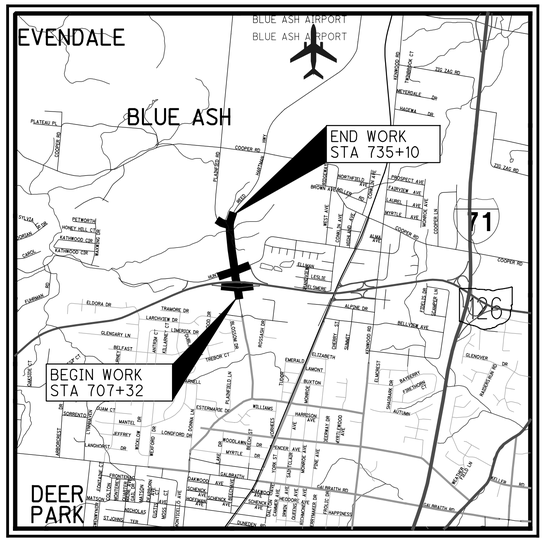
STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

HAM-PLAINFIELD RD ROUNDABOUTS

CITY OF BLUE ASH

HAMILTON COUNTY



LOCATION MAP

LATITUDE: 39° 13′ 36″ LONGITUDE: -84° 23′ 39″

SCALE IN MILES

0 1 2 3 4

N

PORTION TO BE IMPROVED
INTERSTATE HIGHWAY
FEDERAL ROUTES
STATE ROUTES
COUNTY & TOWNSHIP ROADS
OTHER ROADS

DESIGN DESIGNATION

	PLAINFIELD ROAD	REED HARTMAN HWY	HUNT RD	PEPPERMILL LANE	SR 126 ON RAMP
CURRENT ADT (2021)	26,400	21,900	15,400	1,200	9,100
DESIGN YEAR ADT (2041)	27,700	23,000	16,200	1,300	9,600
DESIGN HOURLY VOLUME (2041)	3,050	2,300	1,800	150	1,050
DIRECTIONAL DISTRIBUTION	57%	58%	78%	58%	100%
TRUCKS (24 HOUR B&C)	1%	1%	1%	2%	2%
DESIGN SPEED	30	45	30	30	N/A
LEGAL SPEED	25	40	25	25	N/A
DESIGN FUNCTIONAL CLASSIFICATION:	04 MINOR ARTERIAL (URBAN)	04 MINOR ARTERIAL (URBAN)	07 LOCAL (URBAN)	07 LOCAL (URBAN)	INTERSTATE RAMP
NHS PROJECT	NO	NO	NO	NO	NO

DESIGN EXCEPTIONS

NONE

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PROJECT DESCRIPTION

THIS PROJECT REPLACES THE SIGNALIZED INTERSECTIONS OF PLAINFIELD ROAD AND HUNT ROAD, AND PLAINFIELD ROAD AND PEPPERMILL LANE, AND THE UNSIGNALIZED INTERSECTION OF HUNT ROAD AND THE WEST KROGER ENTRANCE WITH SINGLE AND MULTI-LANE ROUNDABOUTS.

PROJECT EARTH DISTURBED AREA:	9.967 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.125 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	10.092 ACRES

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON SHEET 38, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

APPROVED _____

DATE _____ PUBLIC WORKS DIRECTOR

UNDERGROUND UTILITIES

Contact Two Working Days Before You Dig

OHIO811.org Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

PLAN PREPARED BY:

AMERICAN STRUCTUREPOINT INC.
2550 CORPORATE EXCHANGE DR, STE 300
COLUMBUS, OH 43231
TEL 614.901.2235 FAX 614.901.2236
www.structurepoint.com

ENGINEERS SEAL:

SIGNED: _____

DATE: _____

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-1.1	7/28/00	DM-1.1	7/21/17	TC-41.10	7/19/13	TC-73.20	7/21/17		
BP-3.1	10/18/19	DM-1.2	1/18/13	TC-41.20	10/18/13	TC-81.10	7/15/16		
BP-3.2	1/18/19	DM-3.1	1/18/13	TC-41.30	10/18/13	TC-81.21	1/18/19		
BP-4.1	7/19/13			TC-41.40	10/18/13	TC-82.10	7/19/19		
BP-5.1	1/18/19	RM-1.1	7/18/14	TC-41.41	10/18/13	TC-83.10	1/19/18		
BP-7.1	7/20/18			TC-41.50	10/18/13	TC-83.20	7/21/17		
		HL-10.11	7/19/19	TC-42.10	10/18/13	TC-84.20	10/18/13		
CB-1.1	7/19/19	HL-10.12	1/20/17	TC-42.20	10/18/13	TC-84.21	10/18/13		
CB-1.2	1/15/16	HL-10.13	7/20/18	TC-51.11	1/15/16				
CB-1.3	1/15/16	HL-30.11	7/19/19	TC-51.12	1/15/16				
CB-2.1	7/20/18	HL-40.10	1/20/17	TC-52.10	10/18/13				
CB-2.2	7/20/18	HL-40.20	7/20/18	TC-52.20	7/20/18				
CB-2.3	1/15/16	HL-50.11	1/16/15	TC-61.10	1/17/14				
		HL-60.11	7/21/17	TC-61.30	7/19/19				
MH-1.2	1/15/16	HL-60.12	7/15/16	TC-71.10	1/19/18				
				TC-72.20	7/20/18				

FEDERAL PROJECT NO. E161 (066)

PID NO. 103416

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT NONE

HAM-PLAINFIELD RD ROUNDABOUTS

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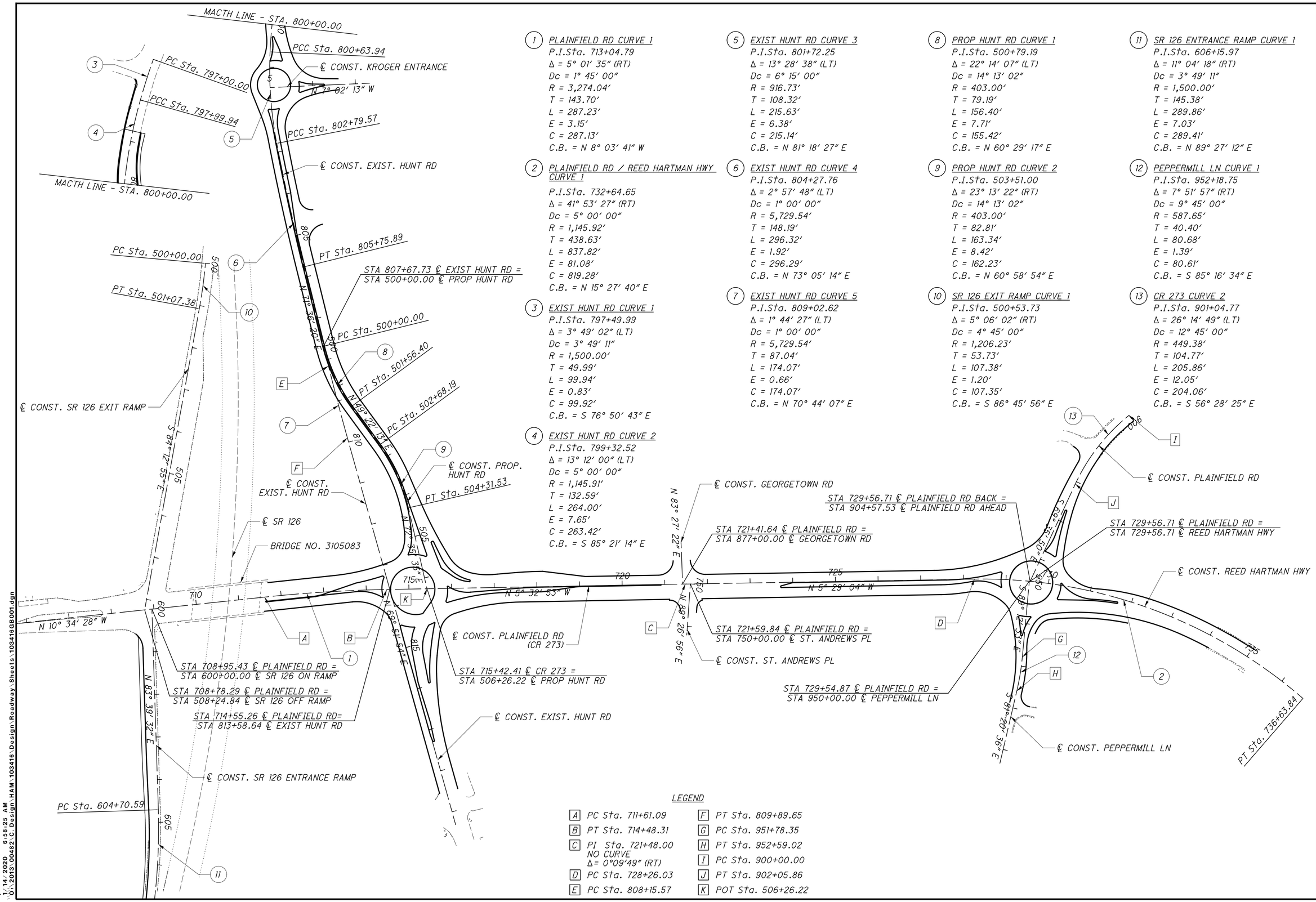

1 PLAINFIELD RD CURVE 1
P.I.Sta. 713+04.79
Δ = 5° 01' 35" (RT)
Dc = 1° 45' 00"
R = 3,274.04'
T = 143.70'
L = 287.23'
E = 3.15'
C = 287.13'
C.B. = N 8° 03' 41" W

2 PLAINFIELD RD / REED HARTMAN HWY CURVE 1
P.I.Sta. 732+64.65
Δ = 41° 53' 27" (RT)
Dc = 5° 00' 00"
R = 1,145.92'
T = 438.63'
L = 837.82'
E = 81.08'
C = 819.28'
C.B. = N 15° 27' 40" E

3 EXIST HUNT RD CURVE 1
P.I.Sta. 797+49.99
Δ = 3° 49' 02" (LT)
Dc = 3° 49' 11"
R = 1,500.00'
T = 49.99'
L = 99.94'
E = 0.83'
C = 99.92'
C.B. = S 76° 50' 43" E

4 EXIST HUNT RD CURVE 2
P.I.Sta. 799+32.52
Δ = 13° 12' 00" (LT)
Dc = 5° 00' 00"
R = 1,145.91'
T = 132.59'
L = 264.00'
E = 7.65'
C = 263.42'
C.B. = S 85° 21' 14" E

5 EXIST HUNT RD CURVE 3
P.I.Sta. 801+72.25
Δ = 13° 28' 38" (LT)
Dc = 6° 15' 00"
R = 916.73'
T = 108.32'
L = 215.63'
E = 6.38'
C = 215.14'
C.B. = N 81° 18' 27" E

6 EXIST HUNT RD CURVE 4
P.I.Sta. 804+27.76
Δ = 2° 57' 48" (LT)
Dc = 1° 00' 00"
R = 5,729.54'
T = 148.19'
L = 296.32'
E = 1.92'
C = 296.29'
C.B. = N 73° 05' 14" E

7 EXIST HUNT RD CURVE 5
P.I.Sta. 809+02.62
Δ = 1° 44' 27" (LT)
Dc = 1° 00' 00"
R = 5,729.54'
T = 87.04'
L = 174.07'
E = 0.66'
C = 174.07'
C.B. = N 70° 44' 07" E

8 PROP HUNT RD CURVE 1
P.I.Sta. 500+79.19
Δ = 22° 14' 07" (LT)
Dc = 14° 13' 02"
R = 403.00'
T = 79.19'
L = 156.40'
E = 7.71'
C = 155.42'
C.B. = N 60° 29' 17" E

9 PROP HUNT RD CURVE 2
P.I.Sta. 503+51.00
Δ = 23° 13' 22" (RT)
Dc = 14° 13' 02"
R = 403.00'
T = 82.81'
L = 163.34'
E = 8.42'
C = 162.23'
C.B. = N 60° 58' 54" E

10 SR 126 EXIT RAMP CURVE 1
P.I.Sta. 500+53.73
Δ = 5° 06' 02" (RT)
Dc = 4° 45' 00"
R = 1,206.23'
T = 53.73'
L = 107.38'
E = 1.20'
C = 107.35'
C.B. = S 86° 45' 56" E

11 SR 126 ENTRANCE RAMP CURVE 1
P.I.Sta. 606+15.97
Δ = 11° 04' 18" (RT)
Dc = 3° 49' 11"
R = 1,500.00'
T = 145.38'
L = 289.86'
E = 7.03'
C = 289.41'
C.B. = N 89° 27' 12" E

12 PEPPERMILL LN CURVE 1
P.I.Sta. 952+18.75
Δ = 7° 51' 57" (RT)
Dc = 9° 45' 00"
R = 587.65'
T = 40.40'
L = 80.68'
E = 1.39'
C = 80.61'
C.B. = S 85° 16' 34" E

13 CR 273 CURVE 2
P.I.Sta. 901+04.77
Δ = 26° 14' 49" (LT)
Dc = 12° 45' 00"
R = 449.38'
T = 104.77'
L = 205.86'
E = 12.05'
C = 204.06'
C.B. = S 56° 28' 25" E

HORIZONTAL SCALE IN FEET
0 50 100 200

CALCULATED CML
CHECKED JS

SCHEMATIC PLAN

HAM-PLAINFIELD RD ROUNDABOUTS

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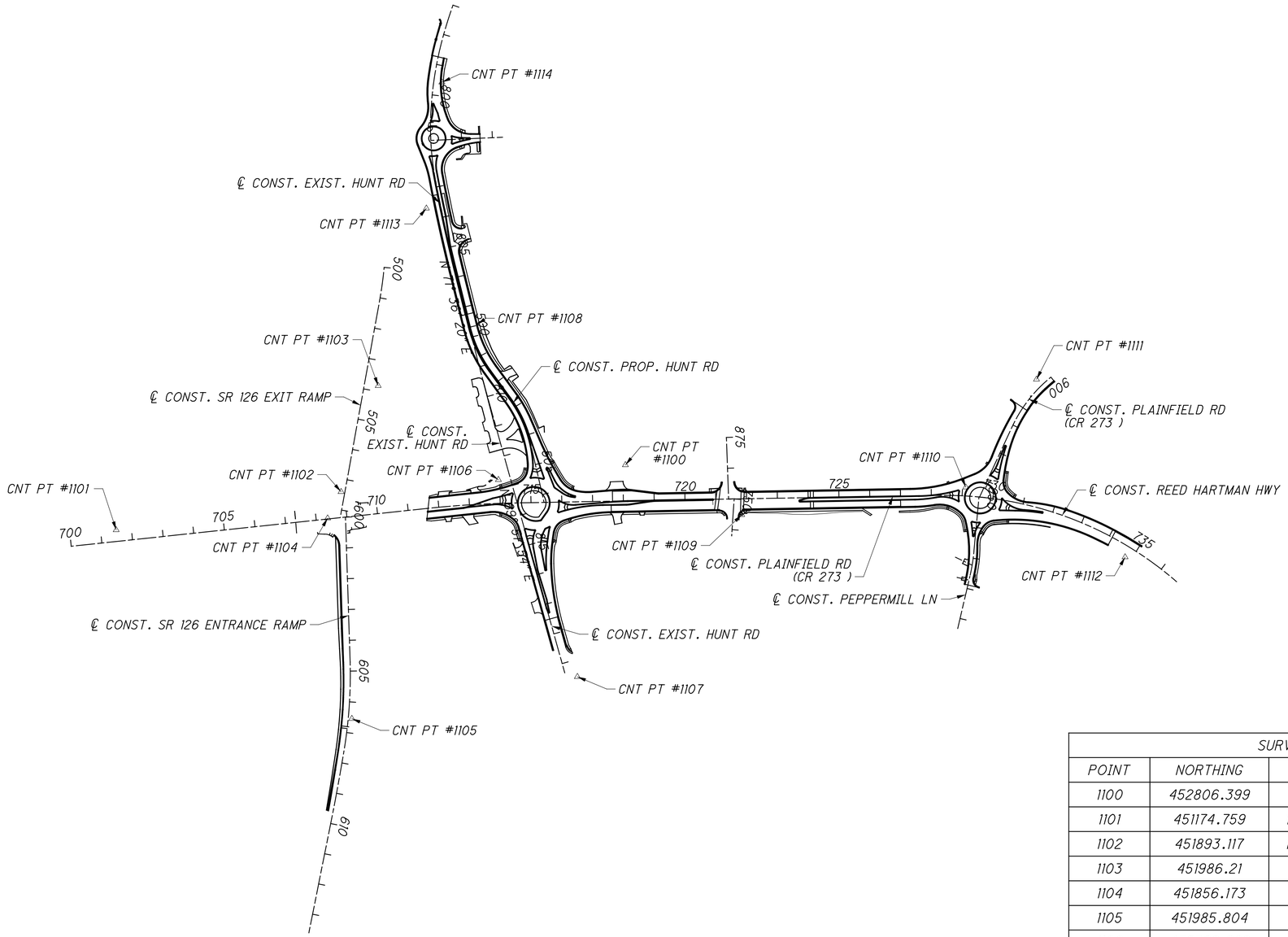

SURVEY CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1100	452806.399	1431924.199	834.14	IPINS
1101	451174.759	1432264.383	851.71	MAGS
1102	451893.117	1432083.423	861.59	IPINS
1103	451986.21	1431731.128	838.1	IPINS
1104	451856.173	1432172.515	864.58	MAGS
1105	451985.804	1432814.82	852.2	IPINS
1106	452399.299	1432004.523	845.31	IPINS
1107	452705.047	1432621.671	831.32	IPINS
1108	452291.84	1431507.302	843.66	IPINS
1109	453195.933	1432055.889	817.81	IPINS
1110	453914.034	1431909.618	806.77	IPINS
1111	454115.438	1431542.528	826.22	MAGS/SPIKE
1112	454447.475	1432094.95	816.42	IPINS
1113	452097.024	1431144.546	820.93	IPINS
1114	452115.215	1430732.546	802.78	MAGS

N

0 100 200 400
HORIZONTAL SCALE IN FEET

CALCULATED LZS
CHECKED JS

SCHEMATIC PLAN - PROJECT CONTROL

HAM-PLAINFIELD RD ROUNDABOUTS

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(A) PLAINFIELD RD. STA 716+97.05, 30.63LT =
REF LINE PH-NW STA 103+33.71, ⅊
NORTHING: 452703.7219
EASTING: 1432020.7578

(B) PLAINFIELD RD. STA 716+86.57, 15.11 LT =
REF LINE PH-BI-2 STA 5+29.68, ⅊
NORTHING: 452694.7914
EASTING: 1432037.2166

(C) PLAINFIELD RD. STA 718+14.02, ℄ =
REF LINE PH-NL STA 32+30.18, ⅊
NORTHING: 452823.1058
EASTING: 1432039.9384

(D) PLAINFIELD RD. STA 718+15.00, 13.00 RT =
REF LINE PH-NR STA 42+40.53, ⅊
NORTHING: 452825.3327
EASTING: 1432052.7833

(E) PLAINFIELD RD. STA 717+59.58, 35.00 RT =
REF LINE PH-NE STA 200+00.00, ⅊
NORTHING: 452772.3047
EASTING: 1432080.0378

(F) PLAINFIELD RD. STA 715+62.83, 75.34 RT =
REF LINE PH-BI-1 STA 5+81.39, ⅊
NORTHING: 452580.3766
EASTING: 1432139.2083

(G) PLAINFIELD RD. STA 715+45.60, 82.74 RT =
REF LINE PH-BI-1 STA 1+00.00, ⅊
NORTHING: 452563.9387
EASTING: 1432148.2429

(H) EX. HUNT RD. STA 817+76.20, 27.50 LT =
REF LINE PH-NE STA 205+12.37, ⅊
NORTHING: 452635.5795
EASTING: 1432457.1982

(I) EX. HUNT RD. STA 816+89.90, 19.37 LT =
REF LINE PH-BI-1 STA 3+38.80, ⅊
NORTHING: 452598.2383
EASTING: 1432378.9696

(J) EX. HUNT RD. STA 816+77.74, 5.50 RT =
REF LINE PH-ER STA 62+42.71, ⅊
NORTHING: 452570.7050
EASTING: 1432376.1212

(K) EX. HUNT RD. STA 815+85.85, 6.13 LT =
REF LINE PH-EL STA 51+32.92, ⅊
NORTHING: 452549.9895
EASTING: 1432285.8419

(L) EX. HUNT RD. STA 814+47.83, 16.50 RT =
REF LINE PH-SE STA 301+25.00, ⅊
NORTHING: 452481.2339
EASTING: 1432164.0480

(M) PLAINFIELD RD. STA 713+66.41, 26.62 RT =
REF LINE PH-SE STA 300+00.00, ⅊
NORTHING: 452380.9268
EASTING: 1432110.6525

(N) PLAINFIELD RD. STA 711+61.09, 11.00 RT =
REF LINE PH-SR STA 70+00.00, ⅊
NORTHING: 452176.8282
EASTING: 1432126.3744

(O) PLAINFIELD RD. STA 711+61.09, 11.00 LT =
REF LINE PH-SL STA 80+00.00, ⅊
NORTHING: 452172.7909
EASTING: 1432104.7481

(P) PLAINFIELD RD. STA 713+27.86, 37.30 LT =
REF LINE PH-SW STA 400+00.00, ⅊
NORTHING: 452334.4907
EASTING: 1432052.1811

(Q) HUNT RD. STA 504+91.40, 22.68 RT =
REF LINE PH-SW STA 402+11.89, ⅊
NORTHING: 452490.7896
EASTING: 1431944.3297

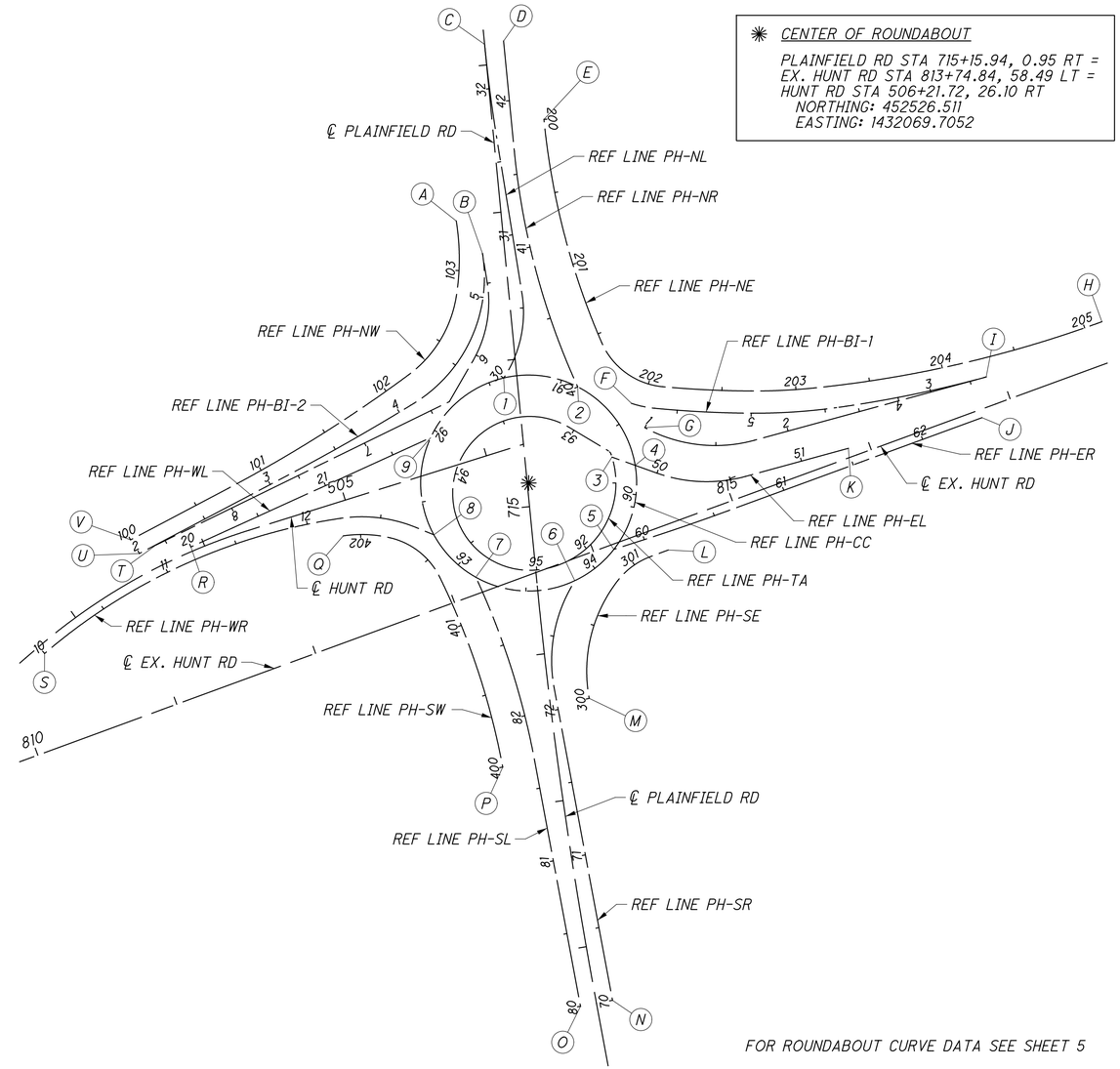
(R) HUNT RD. STA 503+91.19, 3.00 LT =
REF LINE PH-WL STA 20+00.00, ⅊
NORTHING: 452483.3083
EASTING: 1431841.4138

(S) HUNT RD. STA 502+68.19, 6.00 RT =
REF LINE PH-WR STA 10+00.00, ⅊
NORTHING: 452411.2777
EASTING: 1431742.4705

(T) HUNT RD. STA 503+70.68, 14.00 LT =
REF LINE PH-BI-2 STA 8+56.95, ⅊
NORTHING: 452484.5914
EASTING: 1431817.8011

(U) HUNT RD. STA 503+58.48, 14.00 LT =
REF LINE PH-BI-2 STA 2+00.00, ⅊
NORTHING: 452478.8735
EASTING: 1431806.5433

(V) HUNT RD. STA 503+57.60, 24.93 LT =
REF LINE PH-NW STA 100+00.00, ⅊
NORTHING: 452488.1075
EASTING: 1431800.6272



FOR ROUNDABOUT CURVE DATA SEE SHEET 5

INTERSECTIONS WITH ROUNDABOUT CC

(1) PH-CC STA 91+39.54 = PH-NL 30+00.00
NORTHING: 452597.5402
EASTING: 1432052.8577

(2) PH-CC STA 90+88.15 = PH-NR 40+00.00
NORTHING: 452591.5611
EASTING: 1432102.8334

(3) PH-TA STA 91+67.78 = PH-EL 49+67.74
NORTHING: 452544.0292
EASTING: 1432126.0445

(4) PH-CC STA 90+19.87 = PH-EL 49+84.37
NORTHING: 452538.4581
EASTING: 1432141.7210

(5) PH-CC STA 94+18.23 = PH-ER 59+78.40
NORTHING: 452481.6472
EASTING: 1432127.2921

(6) PH-CC STA 93+84.10 = PH-SR 72+90.38
NORTHING: 452460.5098
EASTING: 1432100.8958

(7) PH-CC STA 93+14.60 = PH-SL 82+99.44
NORTHING: 452462.8223
EASTING: 1432034.0295

(8) PH-CC STA 92+73.69 = PH-WR 12+87.94
NORTHING: 452491.5221
EASTING: 1432005.6367

(9) PH-CC STA 92+05.55 = PH-WL 21+78.09
NORTHING: 452557.1839
EASTING: 1432003.4620

N

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED LZS
CHECKED JS

ROUNDABOUT - GEOMETRIC LAYOUT
PLAINFIELD RD & HUNT RD

HAM-PLAINFIELD RD ROUNDABOUTS

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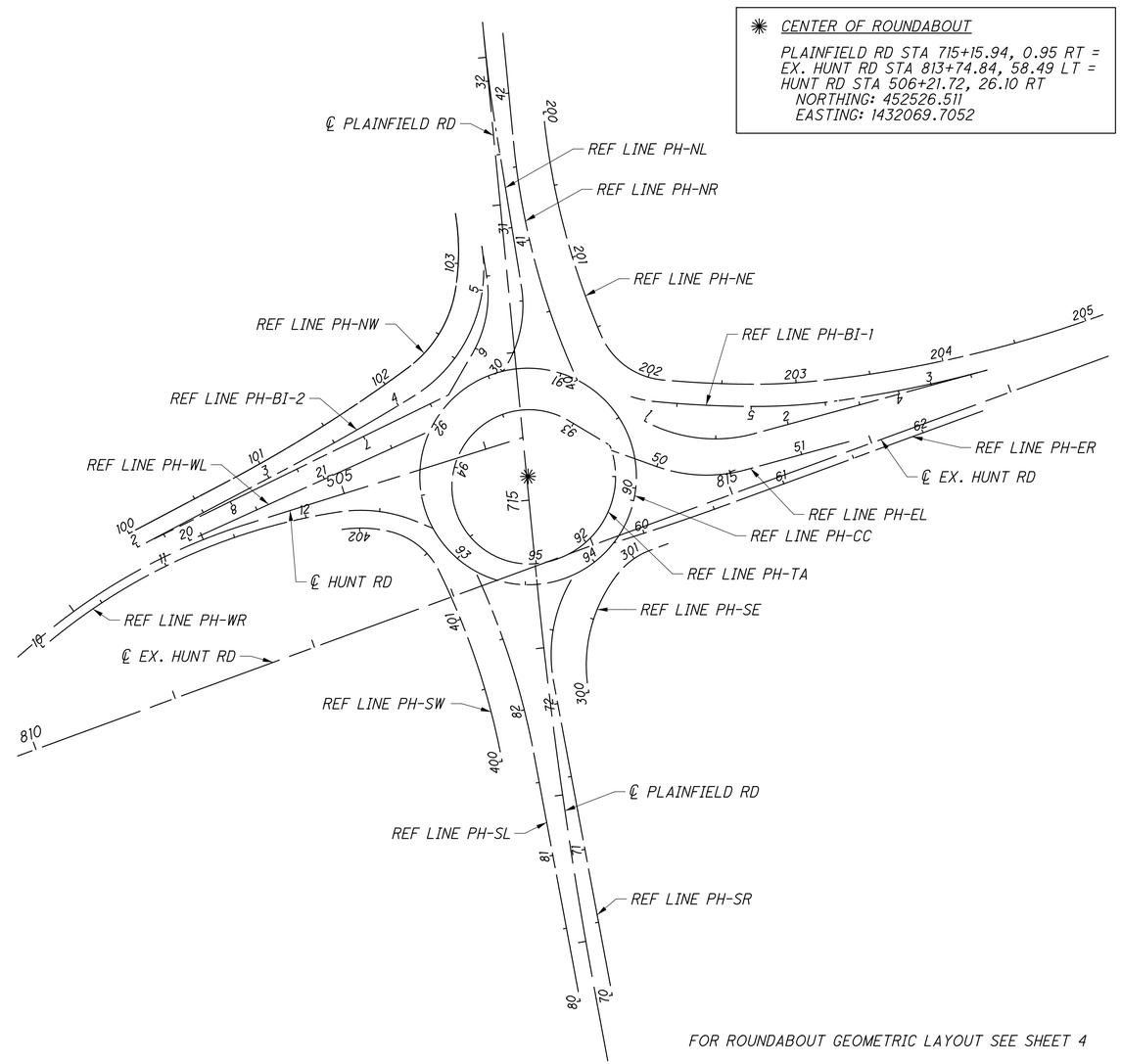
REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	Δ	Δc	TANGENT LENGTH (FT)	ARC LENGTH (FT)	RADIUS (FT)	BEGIN CURVE	END CURVE
PH-CC	90+60.63	452526.51	1432069.71	79° 25′ 19″ (LT)	78° 29′ 15″	60.63	101.19	73.00	90+00.00	91+01.19
	92+10.48	452526.51	1432069.71	112° 31′ 03″ (LT)	78° 29′ 15″	109.29	143.36	73.00	91+01.19	92+44.55
	93+17.01	452526.51	1432069.71	89° 34′ 23″ (LT)	78° 29′ 15″	72.46	114.12	73.00	92+44.55	93+58.67
	94+18.30	452526.51	1432069.71	78° 29′ 15″ (LT)	78° 29′ 15″	59.63	100.00	73.00	93+58.67	94+58.67
PH-NW	101+46.90	453363.05	1431423.08	8° 42′ 18″ (LT)	6° 01′ 52″	72.31	144.33	950.00	100+74.59	102+18.92
	102+52.26	452665.62	1431939.81	44° 14′ 49″ (LT)	69° 52′ 22″	33.34	63.33	82.00	102+18.92	102+82.25
	103+08.20	452678.11	1431862.82	18° 25′ 43″ (LT)	35° 48′ 36″	25.96	51.46	160.00	102+82.25	103+33.71
PH-NL	30+31.36	452641.81	1431986.22	42° 48′ 32″ (LT)	71° 37′ 11″	31.36	59.77	80.00	30+00.00	30+59.77
	31+98.23	452919.79	1433035.25	3° 39′ 45″ (RT)	5° 43′ 46″	31.97	63.92	1000.00	31+66.25	32+30.18
PH-NR	40+83.63	452799.22	1432557.67	18° 59′ 27″ (RT)	11° 27′ 33″	83.63	165.73	500.00	40+00.00	41+65.73
PH-NE	200+78.65	452820.65	1432577.70	17° 55′ 26″ (LT)	11° 27′ 33″	78.85	156.41	500.00	200+00.00	201+56.41
	201+86.06	452641.41	1432164.93	61° 19′ 26″ (LT)	114° 35′ 30″	29.64	53.52	50.00	201+56.41	202+09.93
	202+39.82	453288.73	1432223.89	4° 53′ 25″ (LT)	8° 11′ 06″	29.89	59.75	700.00	202+09.93	202+69.68
	202+91.05	452988.74	1432222.25	6° 06′ 57″ (LT)	14° 19′ 26″	21.37	42.70	400.00	202+69.68	203+12.37
	204+12.96	453386.69	1432181.81	14° 19′ 59″ (LT)	7° 10′ 00″	100.59	200.00	800.00	203+12.37	205+12.37
PH-BI-1	1+40.11	452651.79	1432195.86	43° 42′ 48″ (LT)	57° 17′ 45″	40.11	76.29	100.00	1+00.00	1+76.29
	3+90.55	453369.96	1432168.14	7° 24′ 09″ (RT)	7° 09′ 43″	51.75	103.36	800.00	3+38.80	4+42.16
	4+70.49	452973.73	1432222.96	8° 06′ 12″ (RT)	14° 19′ 26″	28.33	56.57	400.00	4+42.16	4+98.73
	5+32.04	453295.73	1432224.23	5° 17′ 00″ (RT)	7° 56′ 09″	33.31	66.58	722.00	4+98.73	5+65.31
	5+73.38	452648.73	1432161.83	12° 48′ 06″ (RT)	79° 34′ 39″	8.08	16.09	72.00	5+65.31	5+81.39
PH-EL	50+31.39	452627.45	1432189.93	34° 50′ 41″ (LT)	57° 17′ 45″	31.38	60.82	100.00	50+00.00	50+60.82
PH-ER	60+29.79	453915.99	1431687.83	2° 16′ 33″ (LT)	3° 49′ 11″	29.79	59.58	1500.00	60+00.00	60+59.58
PH-SE	300+44.86	452399.28	1432208.95	48° 19′ 35″ (RT)	57° 17′ 45″	44.86	84.35	100.00	300+00.00	300+84.35
	300+98.50	452429.89	1432169.42	31° 36′ 50″ (RT)	114° 35′ 30″	14.16	27.59	50.00	300+84.35	301+11.93
	301+18.47	451072.91	1432680.40	0° 29′ 57″ (RT)	3° 49′ 11″	6.53	13.07	1500.00	301+11.93	301+25.00
PH-SR	72+51.07	4524+06.44	1432185.24	39° 45′ 29″ (RT)	57° 17′ 45″	36.16	69.39	100.00	72+14.91	72+84.30
PH-SL	82+32.00	452242.73	1431560.67	13° 50′ 59″ (LT)	10° 58′ 34″	63.40	126.18	522.00	81+68.60	82+94.78
PH-SW	400+68.23	452242.73	1431560.67	15° 32′ 26″ (LT)	11° 27′ 33″	68.23	135.62	500.00	400+00.00	401+35.62
	401+59.39	452440.81	1431964.73	50° 50′ 54″ (LT)	114° 35′ 30″	23.77	44.37	50.00	401+35.62	401+79.99
	401+96.13	452406.71	1431956.84	21° 29′ 54″ (LT)	67° 24′ 24″	16.14	31.89	85.00	401+79.99	402+11.88
PH-WR	11+14.47	452109.98	1432000.98	32° 10′ 04″ (RT)	14° 25′ 56″	114.47	222.89	397.00	10+00.00	12+22.89
	1+29.65	452406.71	1431956.84	30° 50′ 40″ (RT)	59° 04′ 04″	26.76	52.22	97.00	12+22.89	12+75.11
PH-BI-2	3+62.09	4538+58.28	1431206.63	3° 47′ 14″ (LT)	3° 49′ 11″	49.59	99.15	1500.00	3+12.50	4+11.65
	4+78.63	4526+65.62	1431939.81	67° 37′ 48″ (LT)	57° 17′ 45″	66.98	118.04	100.00	4+11.65	5+29.68
	5+78.11	4526+49.15	1431962.75	39° 12′ 51″ (RT)	71° 37′ 11″	28.50	54.75	80.00	5+49.61	6+04.37



REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	Δ	Δc	TANGENT LENGTH (FT)	ARC LENGTH (FT)	RADIUS (FT)	BEGIN CURVE	END CURVE
PH-TA	92+38.50	452519.54	1432070.36	104° 07′ 29″(LT)	97° 06′ 41″	75.69	107.22	59.00	91+62.81	92+70.03
	94+62.68	452519.54	1432070.36	216° 14′ 08″ (LT)	110° 11′ 03″	158.93	196.25	52.00	93+03.75	95+00.00

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED LZS
CHECKED JS

ROUNDABOUT - GEOMETRIC CURVE DATA
PLAINFIELD RD & HUNT RD

HAM-PLAINFIELD RD ROUNDABOUTS

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(A) REED HARTMAN HWY STA 732+45.93, 21.05 LT =
REF LINE PP-NW STA 105+41.10, ⓟ
NORTHING: 454252.03
EASTING: 1431959.05

(B) REED HARTMAN HWY STA 732+46.48, 2.94 RT =
REF LINE PP-NL STA 32+25.09, ⓟ
NORTHING: 454246.15
EASTING: 1431982.32

(C) REED HARTMAN HWY STA 732+98.82, 4.91 RT =
REF LINE PP-NR STA 42+79.61, ⓟ
NORTHING: 454295.49
EASTING: 1431999.32

(D) REED HARTMAN HWY STA 733+38.04, 28.41 RT =
REF LINE PP-NE STA 205+29.69, ⓟ
NORTHING: 454324.30
EASTING: 1432034.18

(E) PEPPERMILL LN. STA 952+62.90, 12.09 LT =
REF LINE PP-NE STA 200+00.00, ⓟ
NORTHING: 453961.39
EASTING: 1432202.08

(F) PEPPERMILL LN. STA 952+58.43, 1.15 LT =
REF LINE PP-EL STA 51+82.03, ⓟ
NORTHING: 453951.24
EASTING: 1432196.02

(G) PEPPERMILL LN. STA 952+65.45, 1.10 RT =
REF LINE PP-ER STA 61+92.10, ⓟ
NORTHING: 453950.13
EASTING: 1432202.9494

(H) PEPPERMILL LN. STA 952+74.06, 9.97 RT =
REF LINE PP-SE STA 303+70.20, ⓟ
NORTHING: 453937.90
EASTING: 1432209.80

(I) PLAINFIELD RD. STA 727+47.30, 35.00 RT =
REF LINE PP-SE STA 300+00.00, ⓟ
NORTHING: 453755.42
EASTING: 1431985.21

(J) PLAINFIELD RD. STA 727+47.30, 13.00 RT =
REF LINE PP-SR STA 70+00.00, ⓟ
NORTHING: 453753.32
EASTING: 1431963.31

(K) PLAINFIELD RD. STA 727+52.07, ℄ =
REF LINE PP-SL STA 80+00.00, ⓟ
NORTHING: 453756.82
EASTING: 1431949.92

(L) PLAINFIELD RD. STA 727+32.04, 22.00 LT =
REF LINE PP-SW STA 400+00.00, ⓟ
NORTHING: 453734.78
EASTING: 1431929.93

(M) PLAINFIELD RD. STA 901+57.84, 18.01 RT =
REF LINE PP-SW STA 404+64.34, ⓟ
NORTHING: 454051.68
EASTING: 1431649.84

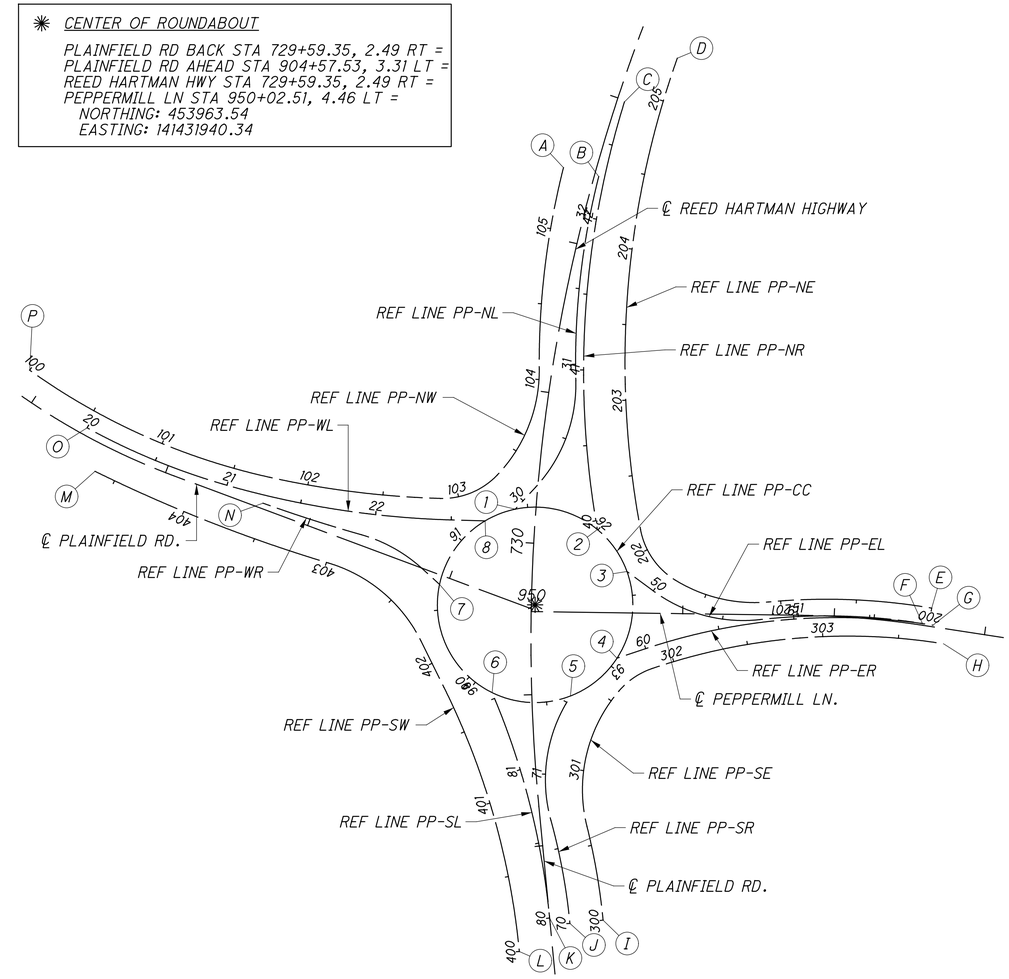
(N) PLAINFIELD RD. STA 902+67.28, 3.60 LT =
REF LINE PP-WR STA 10+00.00, ⓟ
NORTHING: 454030.66
EASTING: 1431760.73

(O) PLAINFIELD RD. STA 901+40.21, 5.00 LT =
REF LINE PP-WL STA 20+00.00, ⓟ
NORTHING: 454080.37
EASTING: 1431644.68

(P) PLAINFIELD RD. STA 900+86.48, 17.00 LT =
REF LINE PP-NW STA 100+00.00, ⓟ
NORTHING: 454118.42
EASTING: 1431606.73

✳ CENTER OF ROUNDABOUT

PLAINFIELD RD BACK STA 729+59.35, 2.49 RT =
PLAINFIELD RD AHEAD STA 904+57.53, 3.31 LT =
REED HARTMAN HWY STA 729+59.35, 2.49 RT =
PEPPERMILL LN STA 950+02.51, 4.46 LT =
NORTHING: 453963.54
EASTING: 141431940.34



FOR ROUNDABOUT CURVE DATA SEE SHEET 7

INTERSECTIONS WITH ROUNDABOUT CC

(1) PP-CC STA 91+41.75 = PP-NL 29+92.39
NORTHING: 454026.70
EASTING: 1431927.24

(2) PP-CC STA 91+99.51 = PP-NR 39+94.12
NORTHING: 454013.24
EASTING: 1431981.45

(3) PP-CC STA 92+33.77 = PP-EL 49+78.45
NORTHING: 453985.57
EASTING: 1432000.96

(4) PP-CC STA 92+93.53 = PP-ER 59+80.02
NORTHING: 453928.31
EASTING: 1431994.36

(5) PP-CC STA 93+33.71 = PP-SR 71+54.84
NORTHING: 453903.40
EASTING: 143196.65

(6) PP-CC STA 93+86.94 = PP-SL 81+54.16
NORTHING: 453905.61
EASTING: 1431911.98

(7) PP-CC STA 90+67.21 = PP-WR 11+30.03
NORTHING: 453977.04
EASTING: 1431877.27

(8) PP-CC STA 91+20.31 = PP-WL 22+72.41
NORTHING: 454018.97
EASTING: 1431907.35

N

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED LZS
CHECKED JS

ROUNDABOUT - GEOMETRIC LAYOUT
PLAINFIELD RD & PEPPERMILL LANE

HAM-PLAINFIELD RD ROUNDABOUTS

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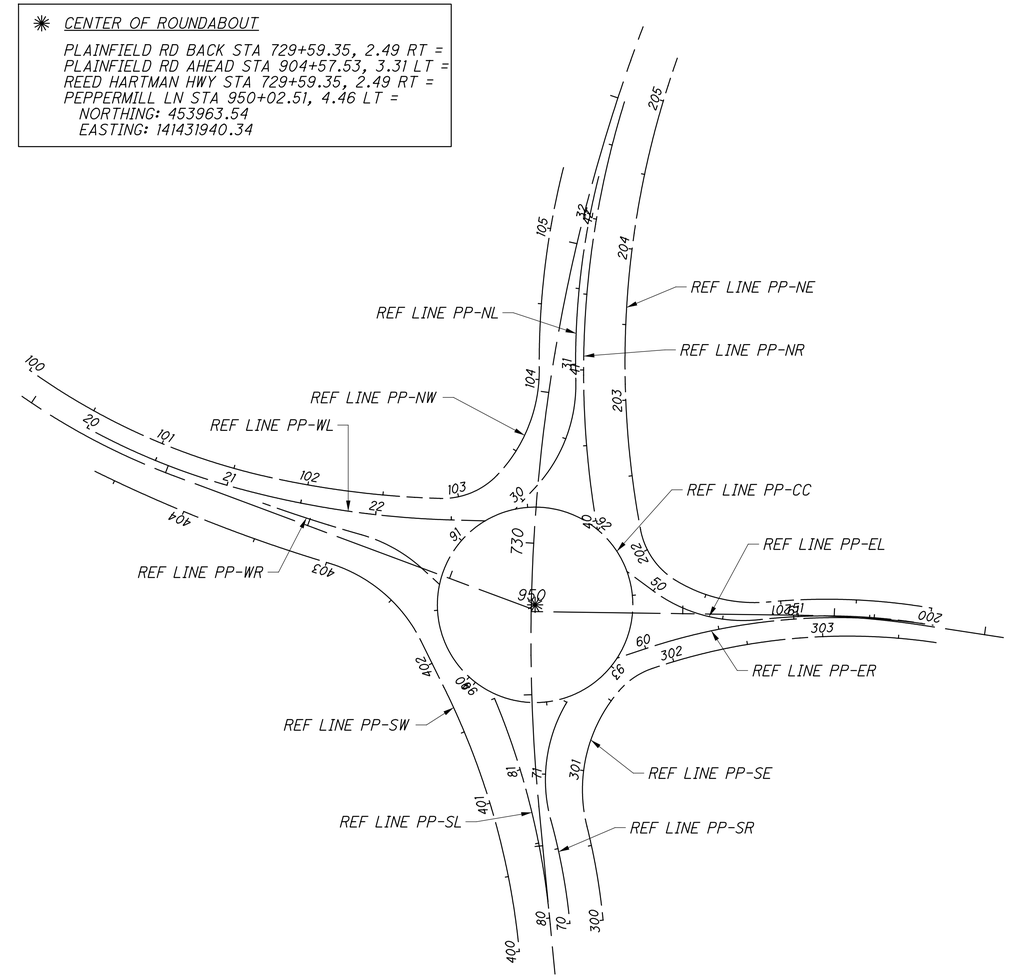
REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	Δ	Δc	TANGENT LENGTH (FT)	ARC LENGTH (FT)	RADIUS (FT)	BEGIN CURVE	END CURVE
PP-CC	90+64.95	454083.77	1431879.22	90° 24′ 05″ (RT)	88° 49′ 50″	64.95	101.77	64.50	90+00.00	91+01.77
	92+60.16	454083.77	1431879.22	135° 41′ 12″ (RT)	88° 49′ 50″	158.39	152.75	64.50	91+01.77	92+54.52
	94+06.11	454083.77	1431879.22	133° 54′ 11″ (RT)	88° 49′ 50″	151.60	150.74	64.50	92+54.52	94+05.26
PP-NW	100+88.59	454469.88	1431858.57	23° 09′ 34″ (LT)	13° 16′ 52″	88.59	174.38	432.38	100+00.00	101+74.38
	102+31.34	454633.55	1431894.75	10° 50′ 48″ (LT)	9° 32′ 57″	56.96	113.59	600.00	101+74.38	102+87.96
	103+10.17	454083.77	1431879.22	47° 53′ 50″ (LT)	114° 35′ 30″	22.21	41.80	50.00	102+87.96	103+29.76
	103+70.37	454118.33	1431843.09	44° 12′ 10″ (LT)	57° 17′ 45″	40.61	77.15	100.00	103+29.76	104+06.91
	104+74.37	454123.58	1432467.06	14° 40′ 20″ (LT)	10° 56′ 04″	67.46	134.18	524.00	104+06.91	105+41.10
PP-NL	30+52.68	454109.09	1431867.24	44° 09′ 13″ (LT)	57° 17′ 45″	40.56	77.06	100.00	30+12.13	30+89.19
	31+57.56	454123.58	1432467.06	15° 34′ 24″ (RT)	11° 27′ 33″	68.37	135.90	500.00	30+89.19	32+25.09
PP-NR	41+42.39	454117.58	1432572.34	26° 42′ 03″ (RT)	9° 32′ 57″	142.39	279.61	600.00	40+00.00	42+79.61
PP-NE	200+54.25	453556.26	1432132.87	15° 02′ 19″ (LT)	13° 56′ 26″	54.25	107.88	411.00	200+00.00	201+07.88
	201+41.30	454065.03	1432085.28	36° 57′ 49″ (RT)	57° 17′ 45″	33.42	64.51	100.00	201+07.88	201+72.39
	201+94.53	454022.46	1432059.06	47° 46′ 18″ (RT)	114° 35′ 30″	22.14	41.69	50.00	201+72.39	202+14.08
	203+75.63	454123.71	1432599.66	30° 08′ 20″ (RT)	9° 32′ 57″	161.55	315.61	600.00	202+14.08	205+29.69
PP-EL	50+39.17	454053.20	1432077.71	42° 47′ 03″ (LT)	57° 17′ 45″	39.17	74.67	100.00	50+00.00	50+74.67
	51+28.82	453556.26	1432132.87	15° 25′ 03″ (RT)	14° 21′ 41″	54.14	107.35	400.00	50+74.67	51+82.03
PP-ER	60+97.94	453555.15	1432139.80	27° 31′ 01″ (RT)	14° 19′ 26″	97.94	192.10	400.00	60+00.00	61+92.10
PP-SE	300+31.51	453715.09	1431565.14	8° 32′ 34″ (LT)	13° 34′ 38″	31.51	62.90	422.00	300+00.00	300+62.90
	301+14.62	453841.59	1432071.58	54° 41′ 41″ (RT)	57° 17′ 45″	51.72	95.46	100.00	300+62.90	301+58.36
	301+71.99	453874.17	1432033.66	30° 29′ 46″ (RT)	180° 00′ 00″	13.63	16.94	50.00	301+58.36	301+75.30
	302+74.73	453542.91	1432146.65	27° 55′ 02″ (RT)	14° 19′ 26″	99.42	194.90	400.00	301+75.30	303+70.20
PP-SR	70+34.77	453715.09	1431565.14	9° 56′ 05″ (LT)	14° 19′ 26″	34.77	69.36	400.00	70+00.00	70+69.36
	71+11.26	453848.03	1432047.15	45° 28′ 07″ (RT)	57° 17′ 45″	41.90	79.36	100.00	70+69.36	71+48.71
PP-SL	80+74.71	453709.03	1431452.21	16° 59′ 49″ (LT)	11° 27′ 33″	74.71	148.33	500.00	80+00.00	81+48.33
PP-SW	400+92.22	453687.00	1431432.22	20° 53′ 59″ (LT)	11° 27′ 33″	92.22	182.38	500.00	400+00.00	401+82.38
	402+59.91	453895.32	1431775.39	46° 55′ 48″ (LT)	57° 17′ 45″	43.41	81.91	100.00	402+16.50	402+98.41
	403+81.57	454949.00	14320914.23	9° 30′ 25″ (RT)	5° 43′ 46″	83.15	165.93	1000.00	402+98.41	404+64.34
PP-WR	10+22.74	453913.62	1431798.36	2° 40′ 09″ (LT)	5° 52′ 23″	22.74	45.45	976.00	10+00.00	10+45.45
	10+56.77	454949.00	1432091.23	1° 19′ 47″ (LT)	5° 52′ 23″	11.33	22.64	976.00	10+45.45	10+68.09
	10+91.61	454949.00	1432091.23	26° 28′ 37″ (RT)	57° 17′ 45″	23.53	46.21	100.00	10+68.09	11+14.30
PP-WL	20+49.09	454469.88	1431858.57	12° 36′ 27″ (LT)	12° 53′ 37″	49.09	97.78	444.38	20+00.00	20+97.78
	21+74.57	454619.35	1431901.90	14° 35′ 10″ (LT)	9° 33′ 37″	76.79	152.57	600.00	20+97.78	22+50.35

✳ CENTER OF ROUNDABOUT

PLAINFIELD RD BACK STA 729+59.35, 2.49 RT =
PLAINFIELD RD AHEAD STA 904+57.53, 3.31 LT =
REED HARTMAN HWY STA 729+59.35, 2.49 RT =
PEPPERMILL LN STA 950+02.51, 4.46 LT =
NORTHING: 453963.54
EASTING: 141431940.34



FOR ROUNDABOUT GEOMETRIC LAYOUT SEE SHEET 6

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED LZS
CHECKED JS

ROUNDABOUT - GEOMETRIC CURVE DATA
PLAINFIELD RD & PEPPERMILL LANE

HAM-PLAINFIELD RD ROUNDABOUTS

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(A) KROGER ENTRANCE STA 6+90.14, 11.98 LT =
REF LINE HK-NW STA 103+96.19, ⅊
NORTHING: 452281.15
EASTING: 1430888.58

(B) KROGER ENTRANCE STA 6+89.51, ℄ =
REF LINE HK-NL STA 31+27.40, ⅊
NORTHING: 452281.98
EASTING: 1430900.55

(C) KROGER ENTRANCE STA 6+65.42, ℄ =
REF LINE HK-NR STA 41+09.83, ⅊
NORTHING: 452258.08
EASTING: 1430903.50

(D) KROGER ENTRANCE STA 6+89.51, 12.00 RT =
REF LINE HK-NE STA 200+00.00, ⅊
NORTHING: 452283.45
EASTING: 1430912.46

(E) EX. HUNT RD. STA 803.55.23, 25.00 LT =
REF LINE HK-NE STA 203+08.27, ⅊
NORTHING: 452164.36
EASTING: 1431118.78

(F) EX. HUNT RD. STA 803+55.23, 10.00 LT =
REF LINE HK-EL STA 51+59.00, ⅊
NORTHING: 452149.96
EASTING: 1431122.96

(G) EX. HUNT RD. STA 803+55.23, 6.00 RT =
REF LINE HK-ER STA 61+66.46, ⅊
NORTHING: 452134.59
EASTING: 1431127.42

(H) EX. HUNT RD. STA 803+55.23, 18.00 RT =
REF LINE HK-WE STA 305+43.64, ⅊
NORTHING: 452123.07
EASTING: 1431130.77

(I) EX. HUNT RD. STA 798+35.11, 19.77 RT =
REF LINE HK-WE STA 300+00.00, ⅊
NORTHING: 452082.74
EASTING: 1430609.08

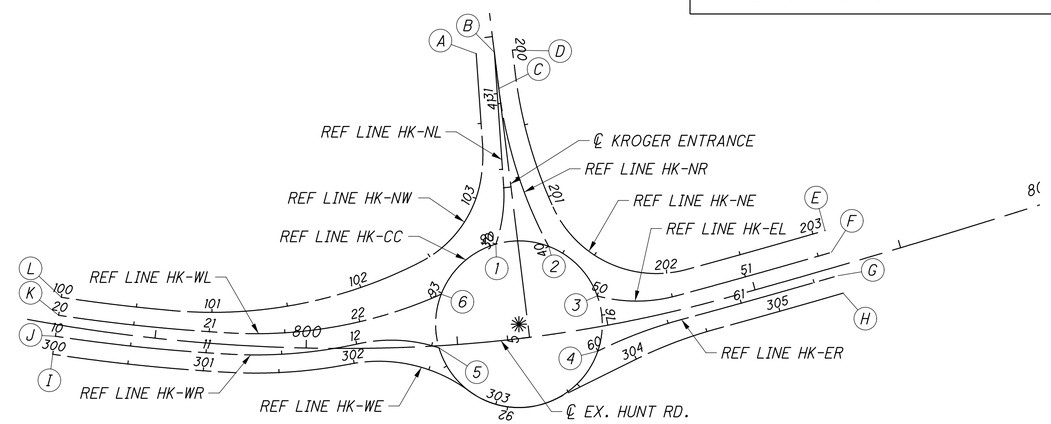
(J) EX. HUNT RD. STA 798+34.92, 7.77 RT =
REF LINE HK-WR STA 10+00.00, ⅊
NORTHING: 452094.60
EASTING: 1430610.87

(K) EX. HUNT RD. STA 798+34.69, 6.22 LT =
REF LINE HK-WL STA 20+00.00, ⅊
NORTHING: 452108.45
EASTING: 1430612.95

(L) EX. HUNT RD. STA 798+34.50, 18.22 LT =
REF LINE HK-NW STA 100+00.00, ⅊
NORTHING: 452120.31
EASTING: 1430614.74

✳ CENTER OF ROUNDABOUT

EX. HUNT RD STA 801+41.81, 9.42 LT =
KROGER ENTRANCE STA 5+09.43, 5.87 LT
NORTHING: 452102.54
EASTING: 1430916.79



FOR ROUNDABOUT CURVE DATA SEE SHEET 9

INTERSECTIONS WITH ROUNDABOUT CC

(1) HK-CC STA 90+04.23 = HK-NL 30+00.00
NORTHING: 452155.39
EASTING: 1430901.55

(2) HK-CC STA 90+39.72 = HK-NR 40+00.00
NORTHING: 452153.93
EASTING: 1430936.39

(3) HK-CC STA 90+87.00 = HK-EL 50+00.00
NORTHING: 452121.23
EASTING: 1430968.52

(4) HK-CC STA 91+21.14 = HK-ER 60+00.00
NORTHING: 452084.79
EASTING: 1430968.85

(5) HK-CC STA 92+63.01 = HK-WR 12+55.11
NORTHING: 452086.92
EASTING: 1430864.06

(6) HK-CC STA 92+99.12 = HK-WL 22+56.85
NORTHING: 452122.35
EASTING: 1430865.48

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED LZS
CHECKED JS

ROUNDABOUT - GEOMETRIC LAYOUT
HUNT RD & KROGER ENTRANCE

HAM-PLAINFIELD RD ROUNDABOUTS

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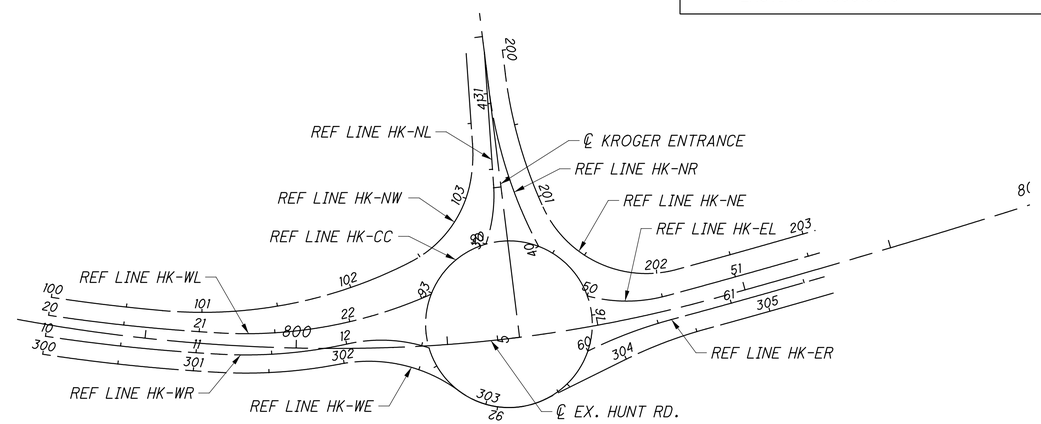
REF. LINE	P.I. STATION	P.I. NORTHING	P.I. EASTING	Δ	Δc	TANGENT LENGTH (FT)	ARC LENGTH (FT)	RADIUS (FT)	BEGIN CURVE	END CURVE
HK-CC	91+08.12	452102.54	1430916.79	180° 00′ 00″ (RT)	104° 10′ 27″	N/A	172.79	55.00	90+00.00	91+72.79
	92+80.90	452102.54	1430916.79	180° 00′ 00″ (RT)	104° 10′ 27″	N/A	172.79	55.00	91+72.79	93+45.58
HK-NW	100+36.98	453306.89	1430793.74	3° 31′ 48″(LT)	4° 46′ 29″	36.98	73.93	1200.00	100+00.00	100+73.93
	101+60.85	452410.38	1430714.54	32° 18′ 57″ (LT)	19° 05′ 55″	86.92	169.21	300.00	100+73.93	102+43.14
	102+80.50	452210.38	1430817.62	52° 57′ 51′ (LT)	76° 23′ 40″	37.36	69.33	75.00	102+43.14	103+12.47
	103+24.54	452214.62	1430792.99	30° 44′ 14″ (LT)	57° 17′ 45″	12.07	24.02	100.00	103+12.47	103+36.49
HK-NL	30+10.84	452187.66	1430806.90	30° 10′ 58″ (LT)	57° 17′ 45″	30.84	59.83	100.00	29+80.00	30+39.83
HK-NR	40+45.95	452294.83	1431104.77	24° 47′ 45″ (RT)	19° 05′ 55″	65.95	129.83	300.00	39+80.00	41+09.83
HK-NE	200+62.02	452304.64	1431212.13	17° 33′ 38″ (LT)	19° 05′ 55″	46.34	91.95	300.00	200+15.69	201+07.63
	201+71.28	452210.98	1431007.54	80° 38′ 06″ (LT)	76°23′ 40″	63.64	105.55	75.00	201+07.63	202+13.19
	202+33.90	457642.74	1429528.44	0° 57′ 18″ (LT)	1° 00′ 16″	47.54	95.08	5704.54	202+13.19	203+08.27
HK-EL	50+18.02	452217.80	1430994.48	41° 37′ 53″ (LT)	57° 17′ 45″	38.02	72.66	100.00	49+80.00	50+52.66
	51+05.83	457642.74	1429528.44	1° 03′ 55″ (LT)	1° 00′ 06″	53.17	106.34	5719.54	50+52.66	51+59.00
HK-ER	60+19.58	451815.90	1431101.89	15° 02′ 01″ (RT)	19° 05′ 55″	39.58	78.72	300.00	59+80.00	60+58.72
	61+12.59	457642.74	1429528.44	1° 04′ 35″ (LT)	0° 59′ 56″	53.87	107.74	5735.54	60+58.72	61+66.46
HK-WE	300+58.39	453306.89	1430793.74	5° 24′ 02″ (LT)	4° 37′ 41″	58.39	116.69	1238.00	300+00.00	301+16.69
	301+57.20	452396.29	1430743.18	14° 09′ 59″ (LT)	17° 34′ 31″	40.51	80.60	326.00	301+16.69	301+97.29
	302+41.27	451978.10	1430824.38	47° 34′ 25″ (RT)	57° 17′ 45″	44.08	83.03	100.00	301+97.29	302+80.32
	303+14.00	452102.60	1430916.79	62° 55′ 03″ (LT)	104° 04′ 43″	33.68	60.45	55.05	302+80.32	303+40.78
	304+27.59	451810.08	1431126.18	11° 00′ 49″ (RT)	19° 05′ 55″	28.92	57.67	300.00	303+98.67	304+56.34
	304+99.90	457643.08	1429528.35	0° 52′ 06″ (LT)	0° 59′ 49″	43.56	87.12	5747.89	304+56.34	305+43.46
HK-WR	10+57.82	453306.89	1430793.74	5° 24′ 02″ (LT)	4° 40′ 24″	57.82	115.56	1226.00	10+00.00	11+15.56
	11+58.66	452396.29	1430743.18	15° 14′ 49″ (LT)	18° 14′ 49″	43.11	85.68	314.00	11+15.56	12+01.24
	12+39.95	451992.03	1430832.48	42° 19′ 28″ (RT)	57′ 17′ 45″	38.71	73.87	100.00	12+01.24	12+75.11
HK-WL	20+57.16	453306.89	1430793.74	5° 24′ 02″ (LT)	4° 43′ 39″	57.16	114.24	1212.00	20+00.00	21+14.24
	21+97.59	452396.29	1430743.18	31° 03′ 20″ (LT)	19° 05′ 55″	83.35	162.61	300.00	21+14.24	22+76.85

✳ CENTER OF ROUNDABOUT

EX. HUNT RD STA 801+41.81, 9.42 LT =
KROGER ENTRANCE STA 5+09.43, 5.87 LT
NORTHING: 452102.54
EASTING: 1430916.79



FOR ROUNDABOUT GEOMETRIC LAYOUT SEE SHEET 8

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED LZS
CHECKED JS

ROUNDABOUT - GEOMETRIC CURVE DATA
HUNT RD & KROGER ENTRANCE

HAM-PLAINFIELD RD ROUNDABOUTS

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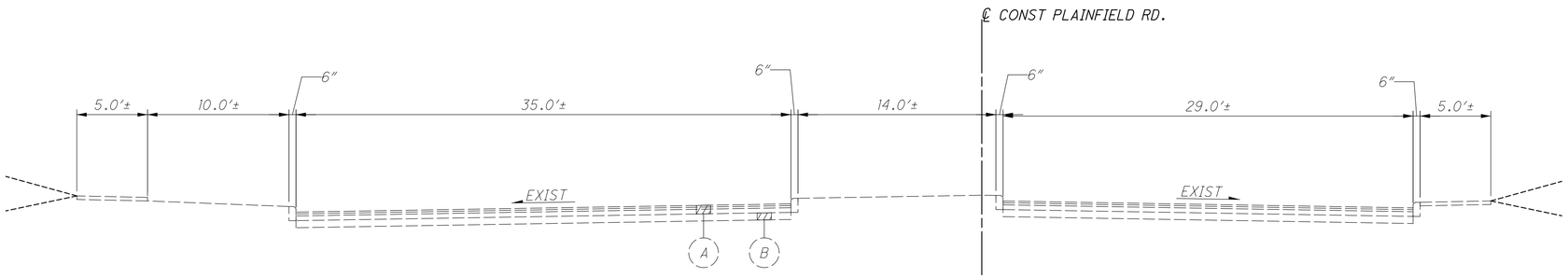
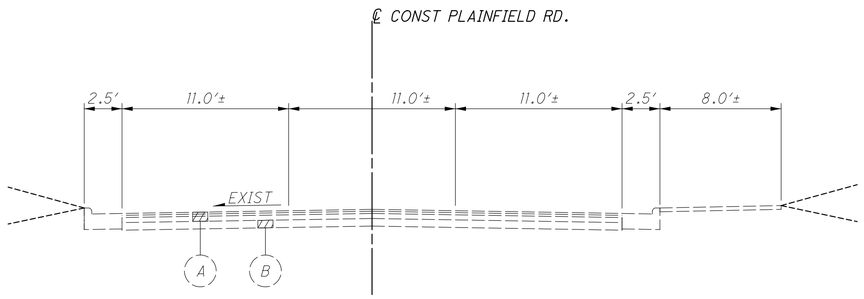


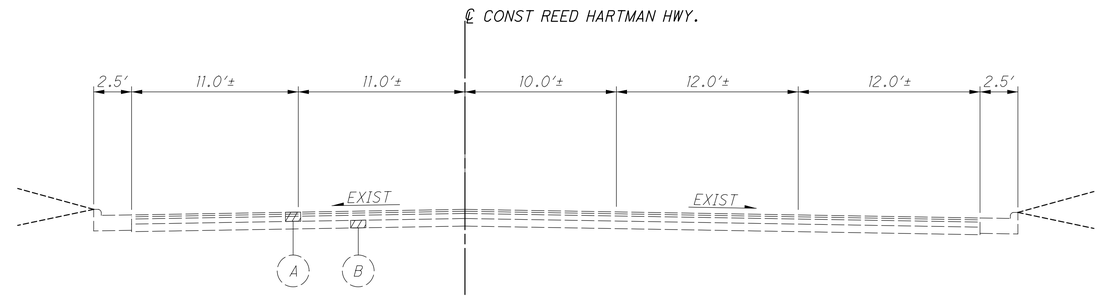
EXISTING PLAINFIELD RD.

STA 707+33.00



EXISTING PLAINFIELD RD.

STA 901+35.00



EXISTING REED HARTMAN HWY.

STA 734+10.00

LEGEND

1. ITEM 441 - 1 ½" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
2. ITEM 407 - TACK COAT
3. ITEM 441 - 1 ¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
4. ITEM 301 - 7" ASPHALT CONCRETE BASE, PG64-22
5. ITEM 304 - 6" AGGREGATE BASE
6. ITEM 206 - LIME STABILIZED SUBGRADE (5%), 14" DEPTH
7. ITEM 204 - PROOF ROLLING
8. ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
9. ITEM 609 - CURB, TYPE 6
10. ITEM 609 - CURB, TYPE 9
11. ITEM 609 - COMBINATION CURB & GUTTER, TYPE 2
12. ITEM SPECIAL - BRICK PAVERS, AS PER PLAN
13. ITEM 659 - SEEDING AND MULCHING, AS PER PLAN
14. ITEM 608 - 4" CONCRETE WALK
15. ITEM 659 - 3" TOPSOIL FURNISHED AND PLACED
16. ITEM 605 - 6" BASE PIPE UNDERDRAINS
17. ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE DEPTH
18. ITEM 204 - SUBGRADE COMPACTION
19. ITEM 609 - CURB, TYPE 8

A. 9"± EX ASPHALT CONCRETE

B. 6"± EX AGGREGATE BASE

CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS

HAM-PLAINFIELD RD ROUNDABOUTS

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1/14/2020 6:59:23 AM
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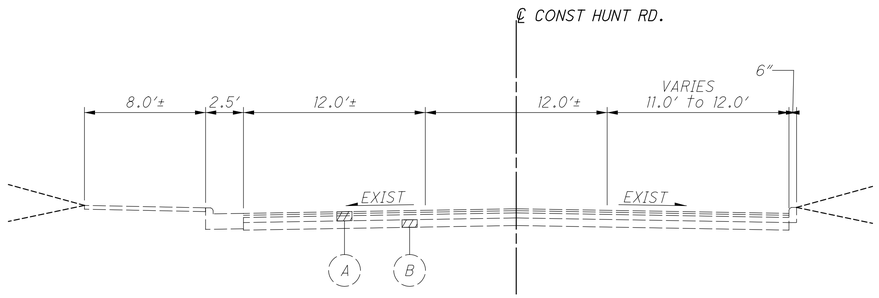
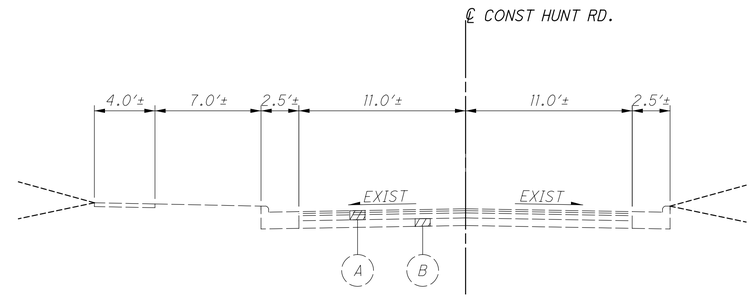


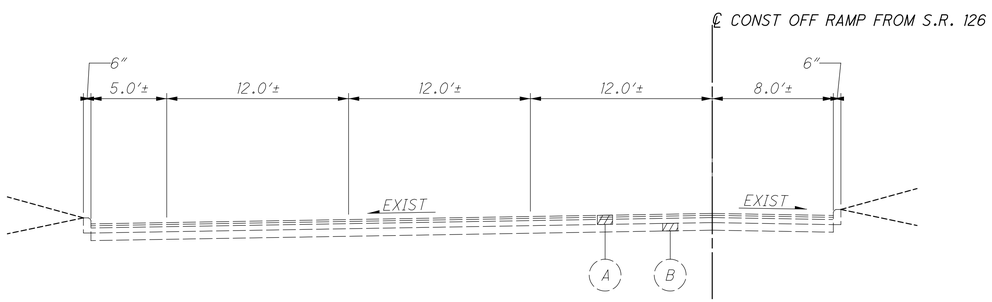
EXISTING HUNT RD.

STA 798+75.00
STA. 818+50.00



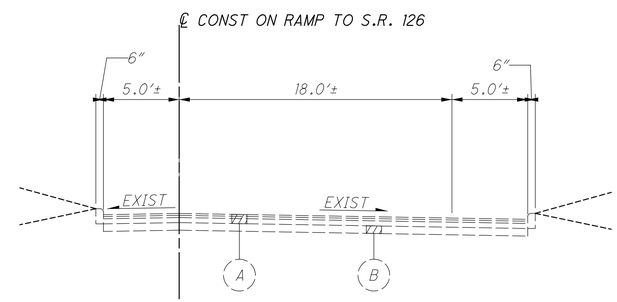
EXISTING PEPPERMILL LN

STA 952+88.00



EXISTING EXIT RAMP FROM S.R. 126

STA 507+44.51



EXISTING ENTRANCE RAMP TO S.R. 126

STA 609+60.00

FOR LEGEND SEE SHEET 10

jschmeltzer
1/14/2020 6:59:24 AM
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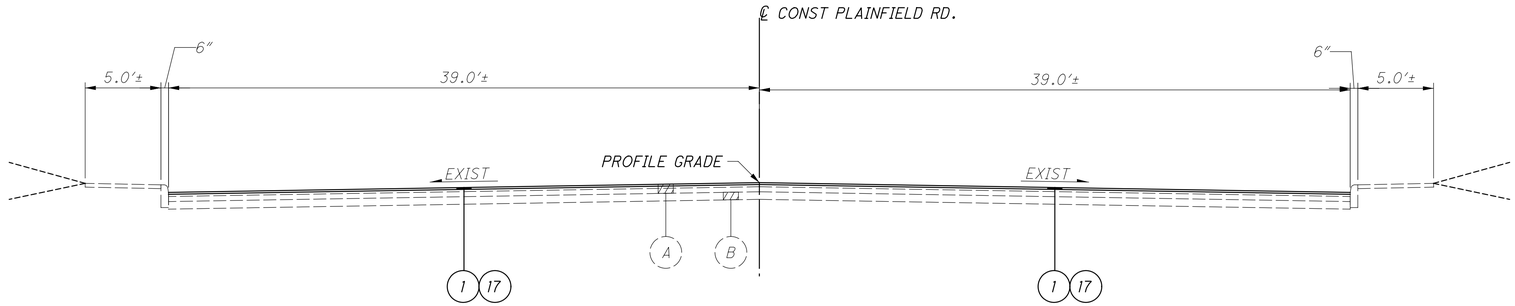
CALCULATED LZS
CHECKED JS

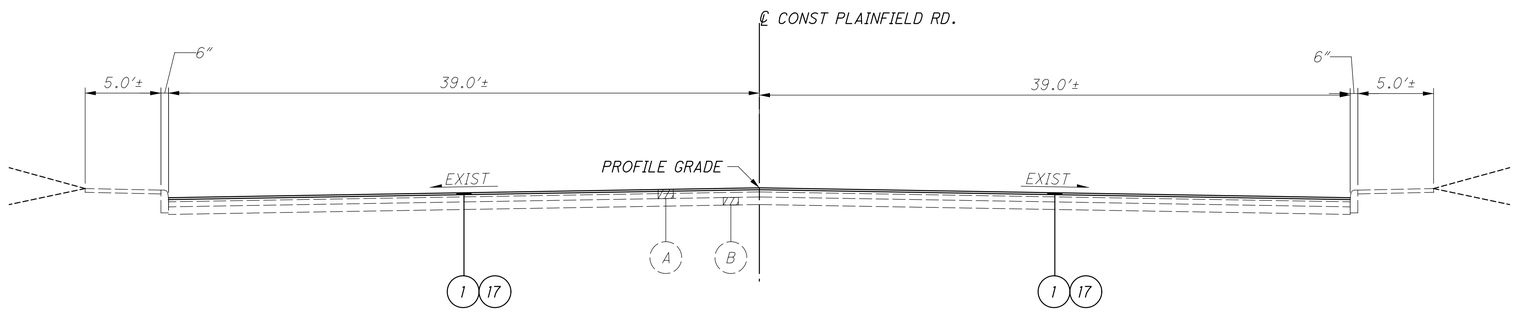
TYPICAL SECTIONS

HAM-PLAINFIELD RD
ROUNDABOUTS



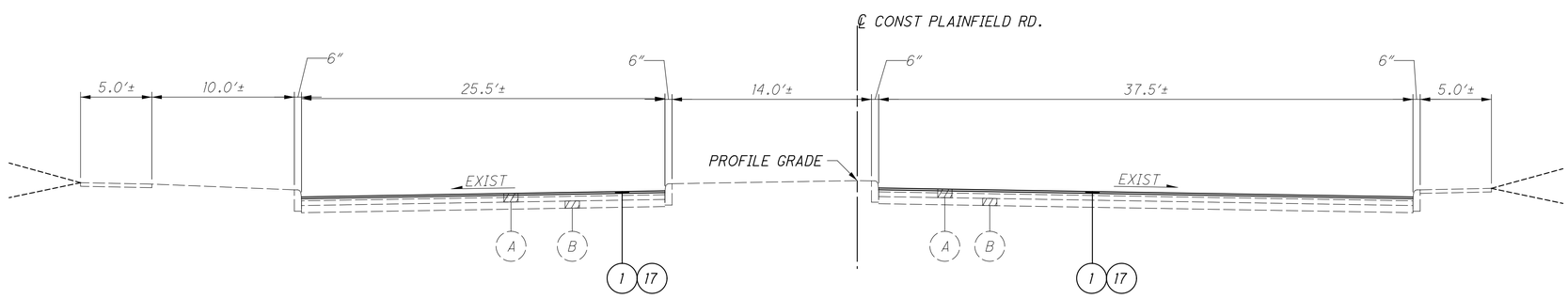
RESURFACING SECTION - PLAINFIELD RD.

STA 708+00.00 TO STA 709+77.67



RESURFACING SECTION - PLAINFIELD RD.

STA 707+79.23 TO STA 708+00.00



RESURFACING SECTION - PLAINFIELD RD.

STA 707+33.00 TO STA STA 707+79.23

FOR LEGEND SEE SHEET 10

jschmeltzer
11/14/2020 6:59:25 AM
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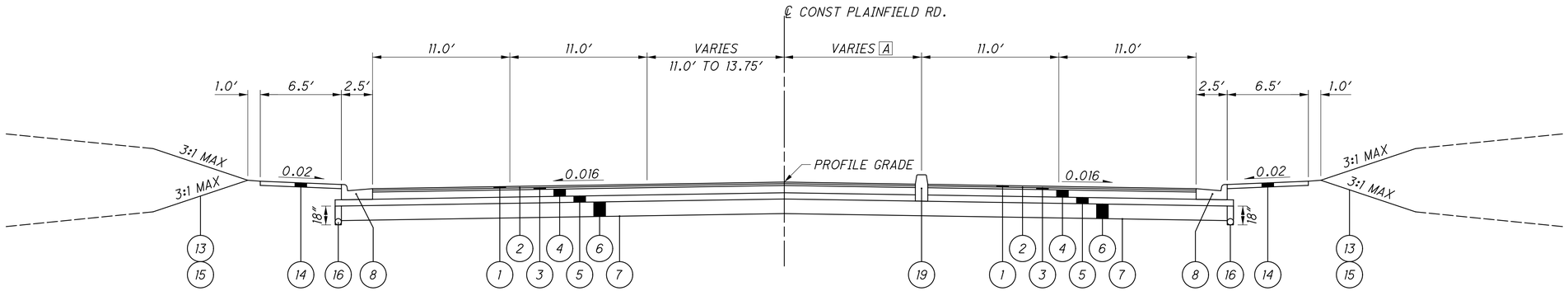
CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS

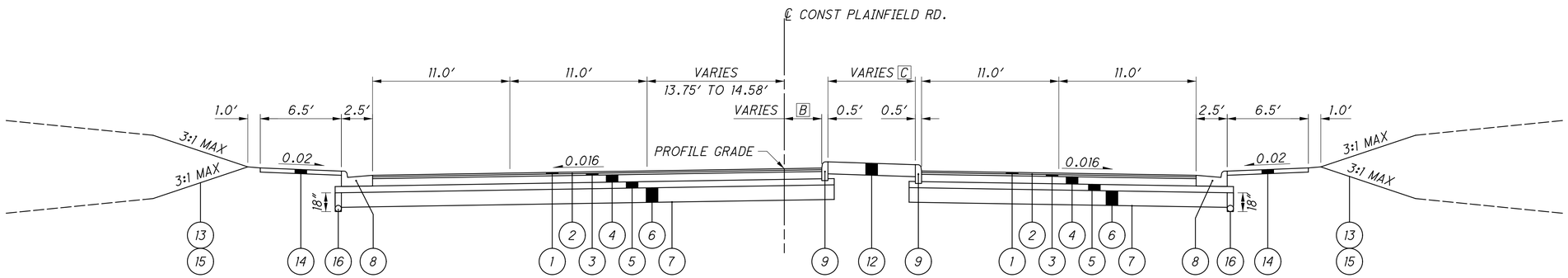
HAM-PLAINFIELD RD
ROUNDABOUTS



NORMAL SECTION - PLAINFIELD RD.

STA 711+65.30 TO STA 712+94.63

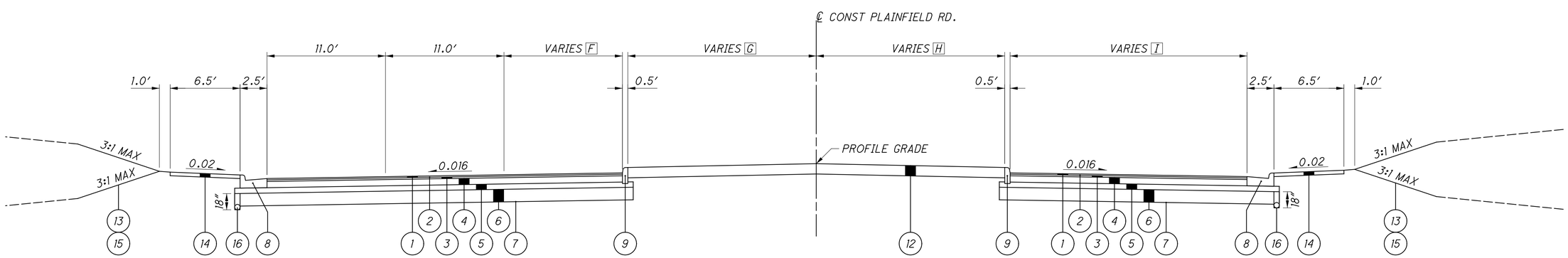
A 11.00′ TO 8.84′, STA 711+65.30 TO STA 712+79.59
8.33′ TO 6.78′, STA 712+79.59 TO STA 712+94.63



NORMAL SECTION - PLAINFIELD RD.

STA 712+94.63 TO STA 713+17.28

B 6.78′ TO 0.0′, STA 712+94.63 TO STA 713+17.28
C 0.0′ TO 5.25′, STA 712+94.63 TO STA 713+17.28



NORMAL SECTION - PLAINFIELD RD.

STA 713+17.28 TO STA 714+36.27

SEE ROUNDABOUT DETAILS - STA. 714+36.27 TO STA. 715+88.93

F 14′-7″ TO 3′-0″, STA 713+17.28 TO STA 713+76.92
3′-0″, STA 713+76.92 TO STA 714+03.27
G 0′-0″ TO 30′-7″, STA 713+17.28 TO STA 714+36.27
H 5′-3″ TO 2′-3″, STA 713+17.28 TO STA 713+81.40
2′-3″ TO 16′-7″, STA 713+81.40 TO STA 714+36.27
I 22.0′, STA 713+17.28 TO STA 713+66.41
22.0′ TO 25.75′, STA 713+66.41 TO STA 714+36.27

FOR LEGEND SEE SHEET 10

jschmeltzer 6:59:26 AM
1/14/2020
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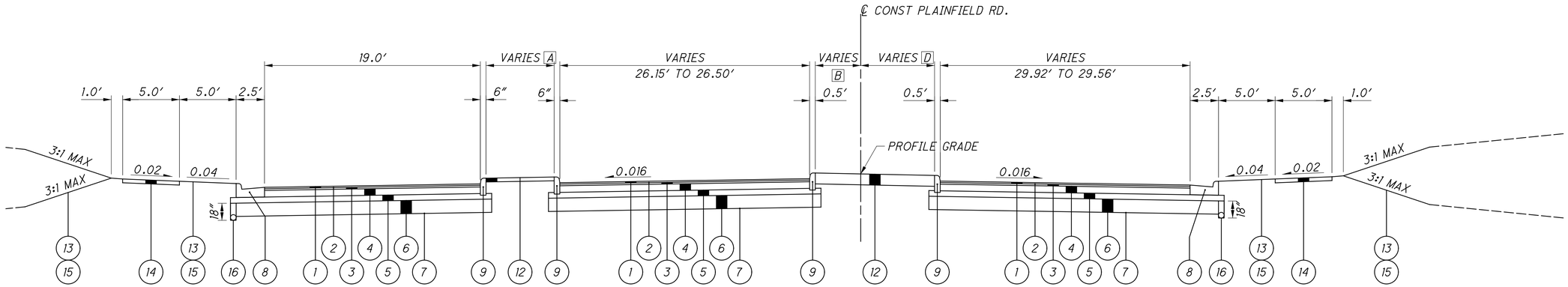
CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS

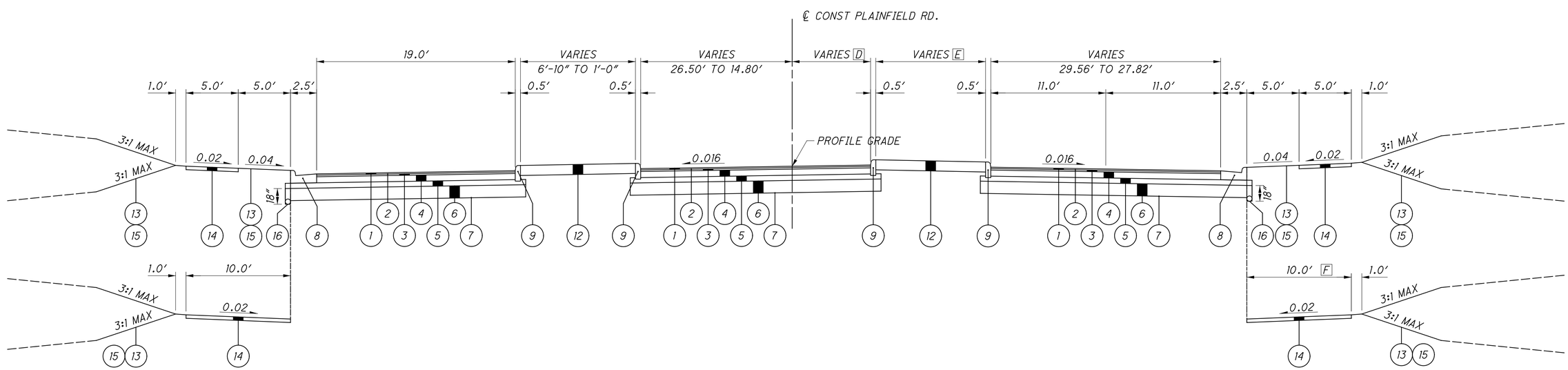
HAM-PLAINFIELD RD ROUNDABOUTS



NORMAL SECTION - PLAINFIELD RD.

STA 715+88.93 TO STA 715+99.71

A 9′-3″ TO 6′-11″
B 4′-8″ TO 0′-0″
C 32′-0″ TO 29′-0″



STA 716+36.54 TO STA 716+43.41

NORMAL SECTION - PLAINFIELD RD.

STA 715+99.71 TO STA 716+43.41

STA 716+26.15 TO STA 716+43.41

D 0′-0″ TO 9′-10″
E 29′-0″ TO 9′-3″
F 10′-0″ TO 6′-6″, STA 716+29.02 TO STA 716+42.24

FOR LEGEND SEE SHEET 10

CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS

HAM-PLAINFIELD RD ROUNDABOUTS

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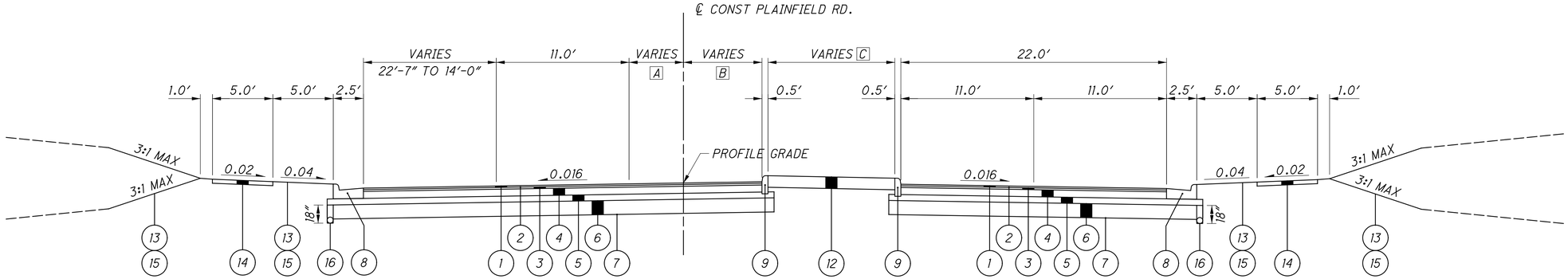


NORMAL SECTION - PLAINFIELD RD.

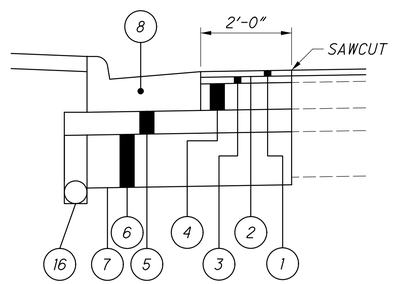
STA 716+43.41 TO STA 717+60.00 RT
STA 716+43.41 TO STA 717+65.00 LT

A 2'-3" TO 9'-10"

B 9'-10" TO 4'-3"

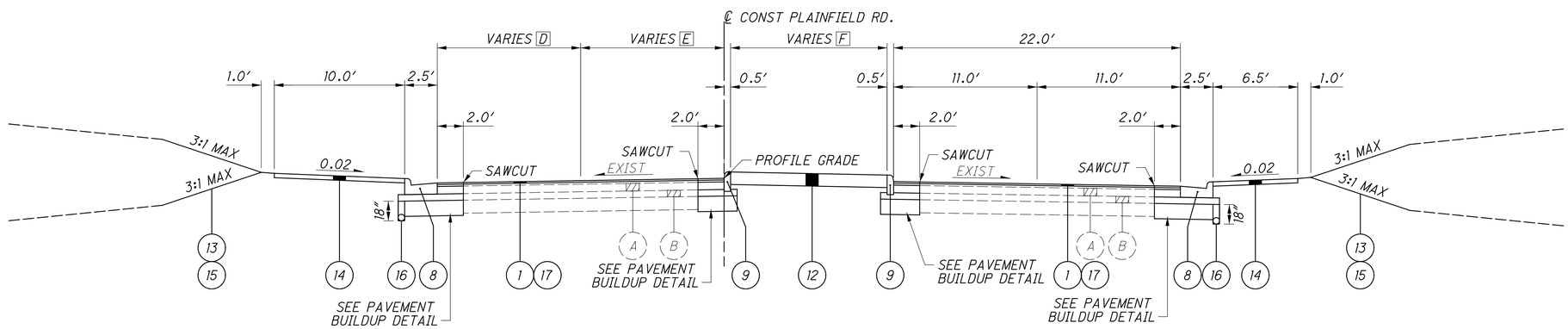
C 9'-3" TO 5'-10", STA 716+43.41 TO STA 717+08.17
5'-10" TO 8'-7", STA 717+08.17 TO STA 717+60 RT
5'-10" TO 8'-10", STA 717+08.17 TO STA 717+6T LT

NOTE:
THE EXISTING PAVEMENT EDGES SHALL BE SAW CUT TO LOCATE A SOUND PAVEMENT EDGE PER SECTION 203.04 OF THE CMS. FOR ESTIMATING PURPOSES, PAVEMENT CALCULATIONS INCLUDED IN THE PLAN INDICATE AN AVERAGE WIDTH OF 2 FT OF EXISTING PAVEMENT BEING REPLACED.



FULL DEPTH PAVEMENT BUILDUP DETAIL

NOT TO SCALE



RESURFACING SECTION - PLAINFIELD RD.

STA 717+60.00 TO STA 718+90.86 RT
STA 717+65.00 TO STA 718+90.86 LT
STA 723+71.48 TO STA 727+00.00

D 25.0', STA 717+60.00 TO STA 718+14.02
25.0' TO 17.17' STA 718+14.02 TO STA 718+70.15
11.0', STA 723+71.48 TO STA 727+00.00

E 10.0' TO 2.92', STA 718+14.90 TO STA 718+70.15
2.92' TO 10.0', STA 723+11.46 TO STA 724+00.19

F 10.0' TO 2.92', STA 718+14.90 TO STA 718+70.15
2.92' TO 10.0', STA 723+11.46 TO STA 724+00.19
10.0', STA 724+00.19 TO STA 727+00.00

FOR LEGEND SEE SHEET 10

CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS

HAM-PLAINFIELD RD ROUNDABOUTS

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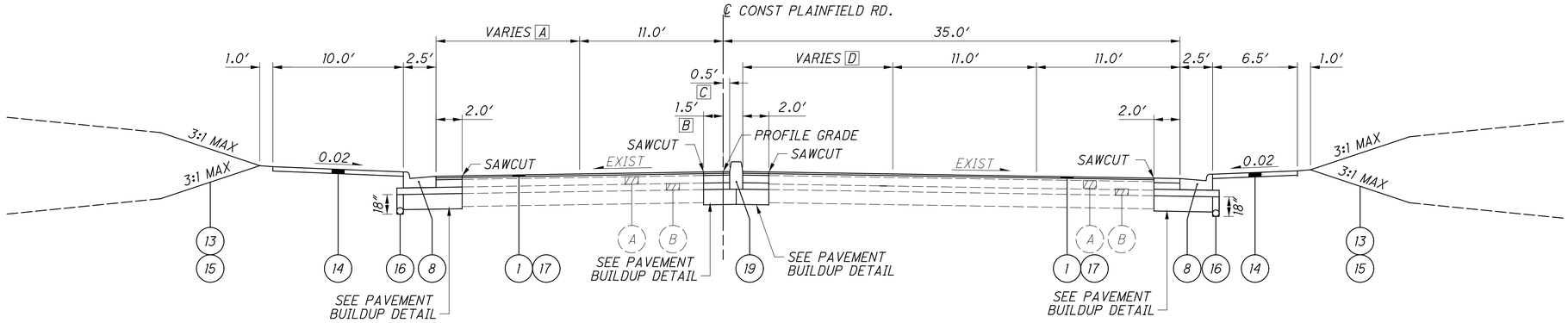


RESURFACING SECTION - PLAINFIELD RD.

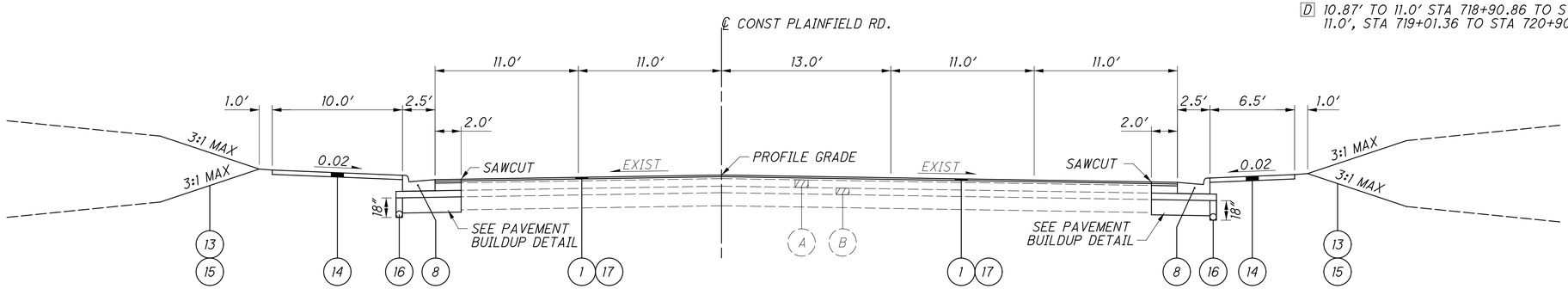
STA 718+90.86 TO STA 720+90.88

A 14.24′ TO 11.0′ STA 718+90.86 TO STA 719+14.02
11.0′, STA 718+90.86 TO STA 720+90.88

B 1.0′, STA 718+90.86 TO STA 718+91.26
1.0′ TO 1.5′, STA 718+91.26 TO STA 719+01.28
1.5′, STA 719+01.28 TO STA 720+90.88

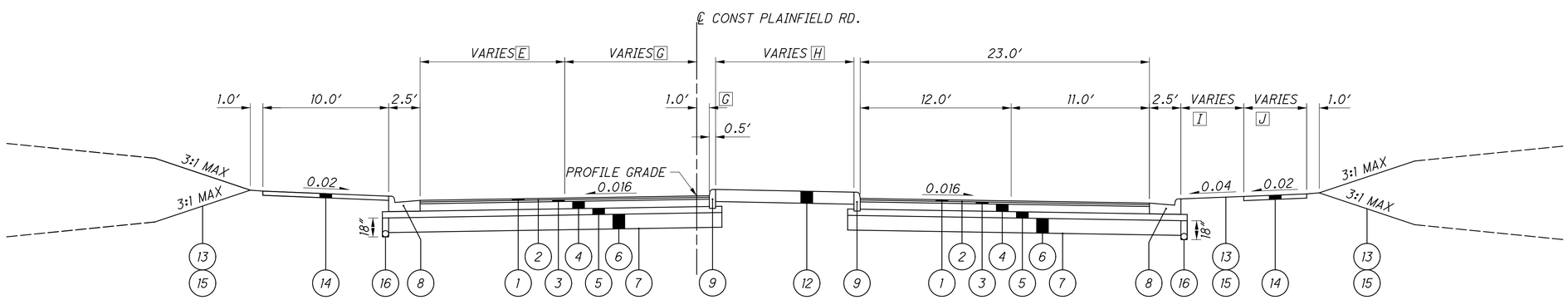
C 1.0′, STA 718+90.86 TO STA 718+91.26
1.0′ TO 0.5′, STA 718+91.26 TO STA 719+01.28
0.5′, STA 719+01.28 TO STA 720+90.88

D 10.87′ TO 11.0′ STA 718+90.86 TO STA 719+01.36
11.0′, STA 719+01.36 TO STA 720+90.88



RESURFACING SECTION - PLAINFIELD RD.

STA 720+90.88 TO STA 723+71.96



NORMAL SECTION - PLAINFIELD RD.

STA 727+00.00 TO STA 727+91.46

E 11.0′, STA 727+00.00 TO STA 727+42.00
11.0′ TO 12.0′, STA 727+42.00 TO STA 727+91.46

F 11.0′, STA 727+00.00 TO STA 727+42.00
11.0′ TO 13.33′, STA 727+42.00 TO STA 727+91.46

G 1.0′ TO 0.0′, STA 727+59.85 TO STA 727+91.46

H 10.0′, STA 727+00.00 TO STA 727+47.30
10.0′ TO 8.58′, STA 727+47.30 TO STA 727+91.46

I 11.08′ TO 10.0′, STA 726+95.42 TO STA 727+29.73
10.0′ TO 6.67′, STA 727+29.73 TO STA 727+91.46

J 3.91′ TO 5.0′, STA 726+95.42 TO STA 727+29.73
5.0′, STA 727+29.73 TO STA 727+91.46

FOR LEGEND SEE SHEET 10
FOR PAVEMENT BUILDUP DETAIL SEE SHEET 15

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1/14/2020 6:59:29 AM
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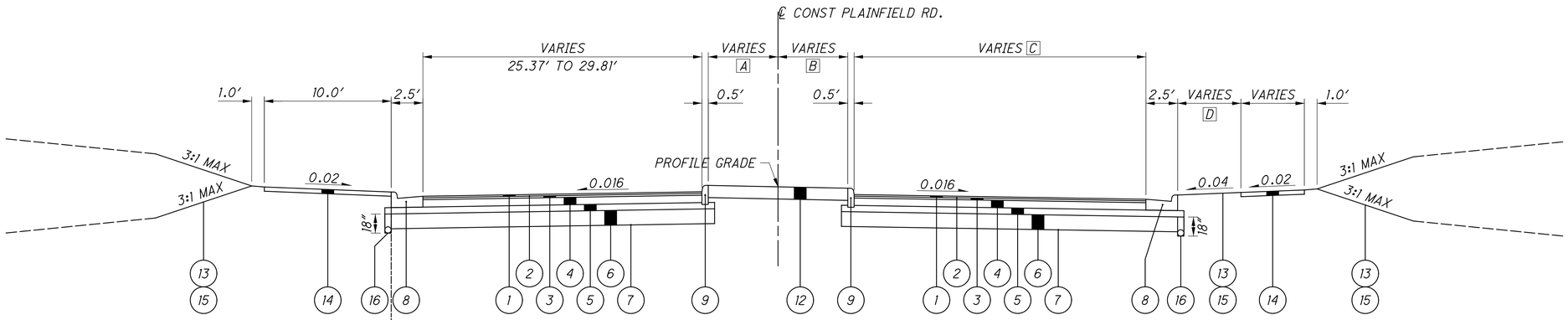
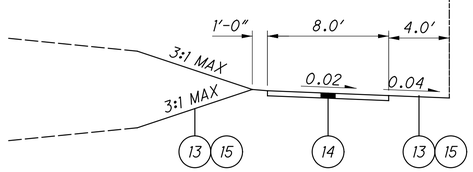
CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS

HAM-PLAINFIELD RD ROUNDABOUTS





STA 728+38.36 TO STA 728+87.92

NORMAL SECTION - PLAINFIELD RD.

STA 727+91.46 TO STA 728+87.92

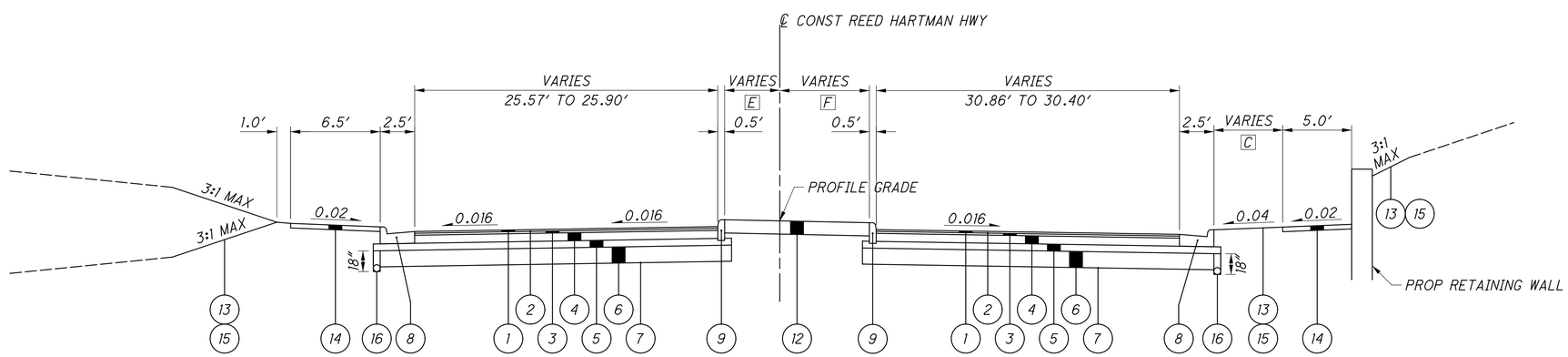
SEE ROUNDABOUT DETAILS - STA. 728+87.92 TO STA. 730+30.51

A 0.0′ TO 16.58′

B 8.58′ TO 4.0′, STA 727+91.46 TO STA 728+34.33
4.0′ TO 17.58′, STA 728+34.33 TO STA 728+87.92

C 23.0′, STA 727+91.46 TO STA 728+13.20
23.0′ TO 25.86′, STA 728+13.20 TO STA 728+87.92

D 6.67′ TO 5.0′, STA 727+91.46 TO STA 728+10.34
5.0′, STA 728+10.34 TO STA 728+87.92



NORMAL SECTION - REED HARTMAN HWY

STA 730+30.51 TO STA 730+36.40

E 4.25′ TO 0.0′

E 33.25′ TO 32.75′

FOR LEGEND SEE SHEET 10
FOR WALL DETAILS SEE SHEETS 168-263

jschmeltzer
1/14/2020 6:59:30 AM
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CALCULATED LZS
CHECKED JS

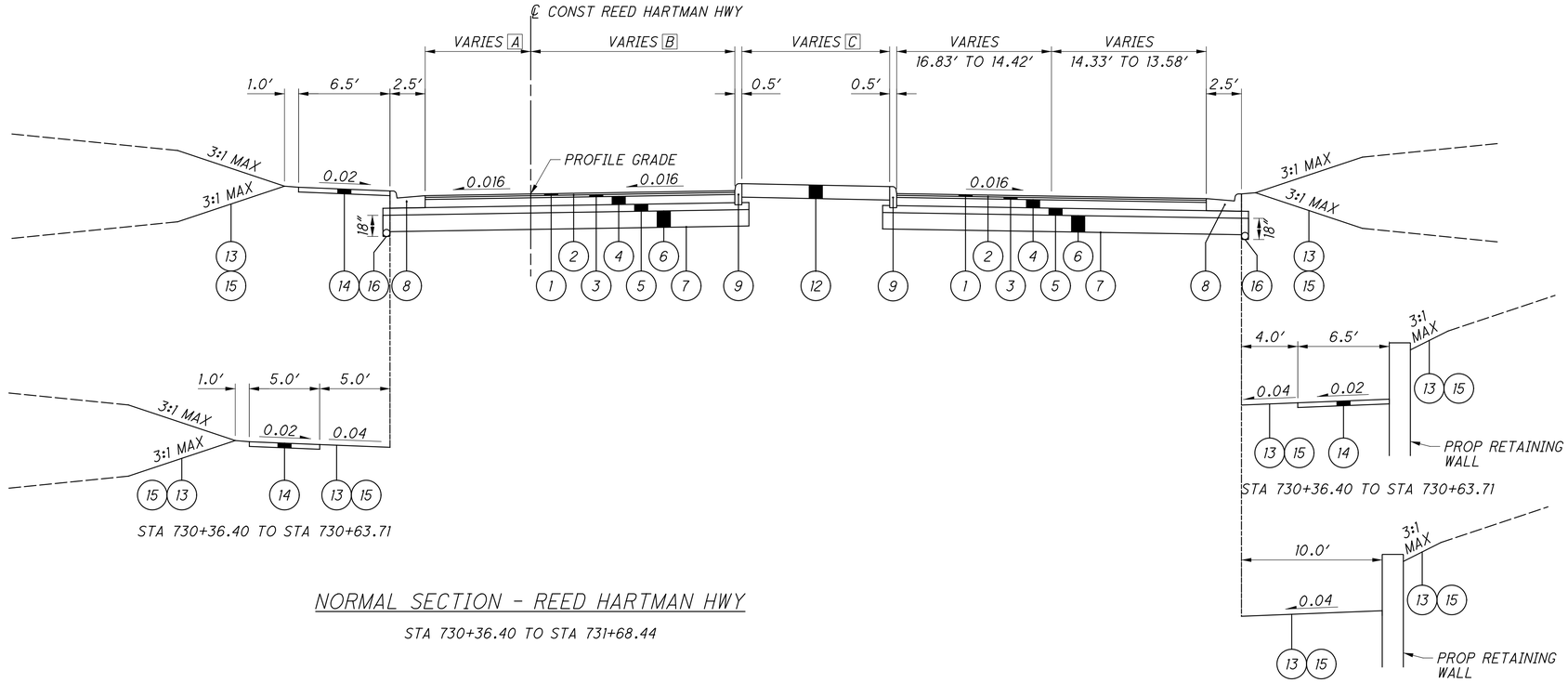
TYPICAL SECTIONS

HAM-PLAINFIELD RD ROUNDABOUTS

A 33.33′ TO 7.25′, STA 730+36.39 TO STA 731+02.02
7.25′ TO 16.0′, STA 731+02.02 TO STA 731+68.44

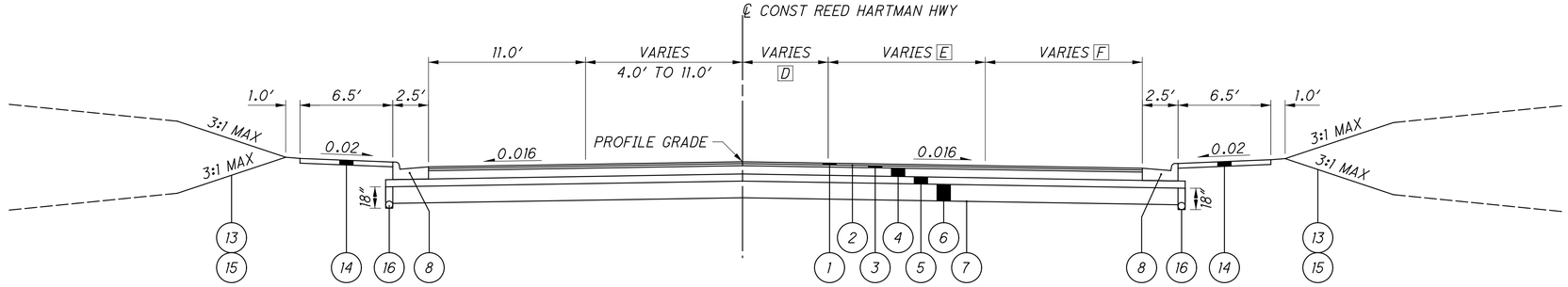
B 0.0′ TO 17.91′, STA 730+36.40 TO STA 730+94.05
17.91′ TO 9.42′ , STA 730+94.05 TO STA 731+68.44

C 32.17′ TO 2.17′, STA 730+36.22 TO STA 731+09.78
2.17′ TO 2.92′, STA 731+09.78 TO STA 731+68.44



NORMAL SECTION - REED HARTMAN HWY

STA 730+36.40 TO STA 731+68.44



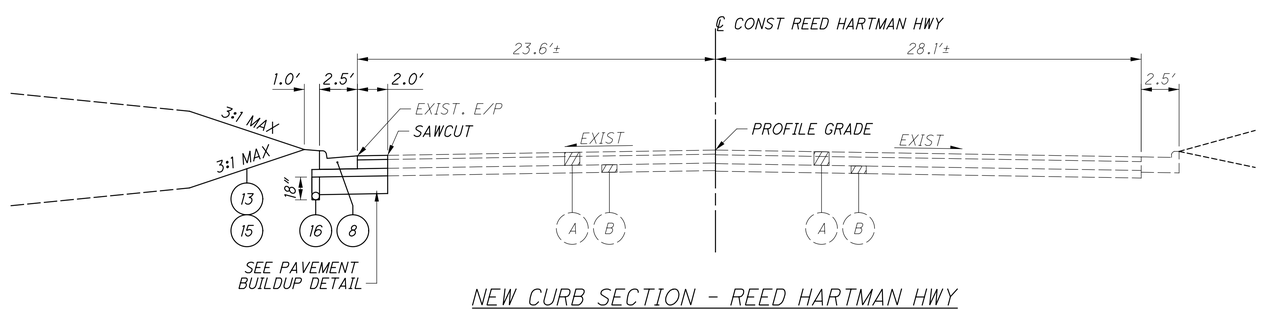
NORMAL SECTION - REED HARTMAN HWY

STA 731+68.44 TO STA 734+10.00

D 13.75′ TO 2.0′, STA 731+68.44 TO STA 734+10.00

E 13.58′ TO 12.17′, STA 731+68.44 TO STA 732+98.82
12.17′ TO 14.0′, STA 732+98.82 TO STA 734+10.00

F 13.58′ TO 12.17′, STA 731+68.44 TO STA 733+18.13
12.17′ TO 13.5′, STA 733+18.13 TO STA 734+10.00



NEW CURB SECTION - REED HARTMAN HWY

STA 734+10.00 TO STA 735+05.91

FOR LEGEND SEE SHEET 10
FOR WALL DETAILS SEE SHEETS 259-248

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1/14/2020 6:59:31 AM
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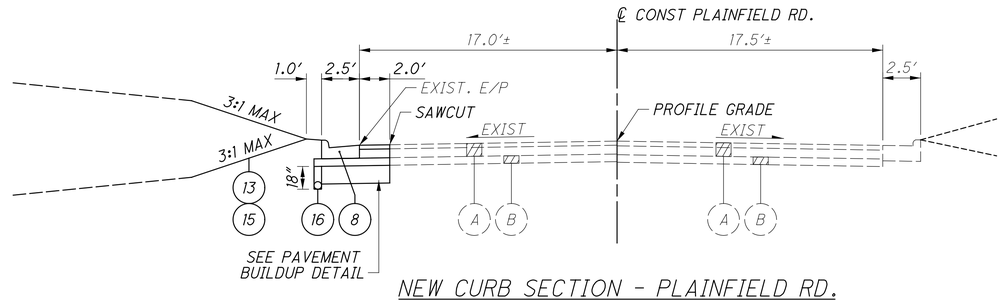
CALCULATED LZS
CHECKED JS

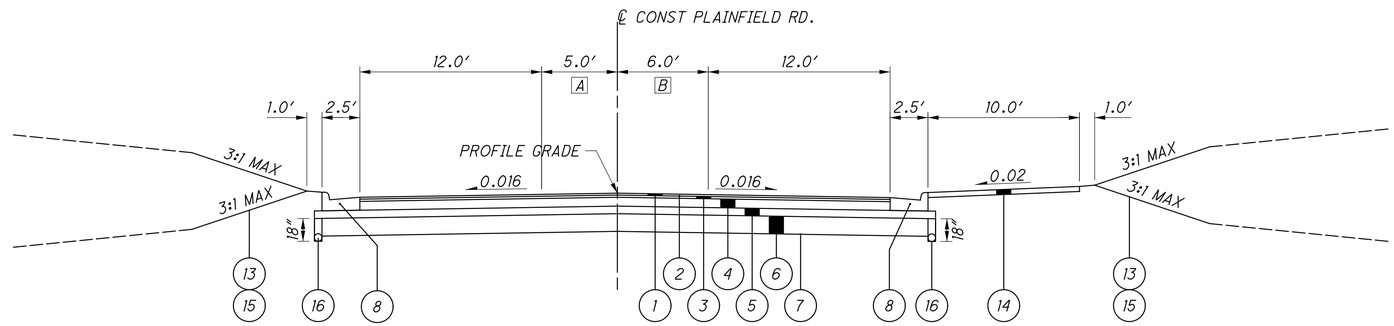
TYPICAL SECTIONS

HAM-PLAINFIELD RD ROUNDABOUTS



NEW CURB SECTION - PLAINFIELD RD.

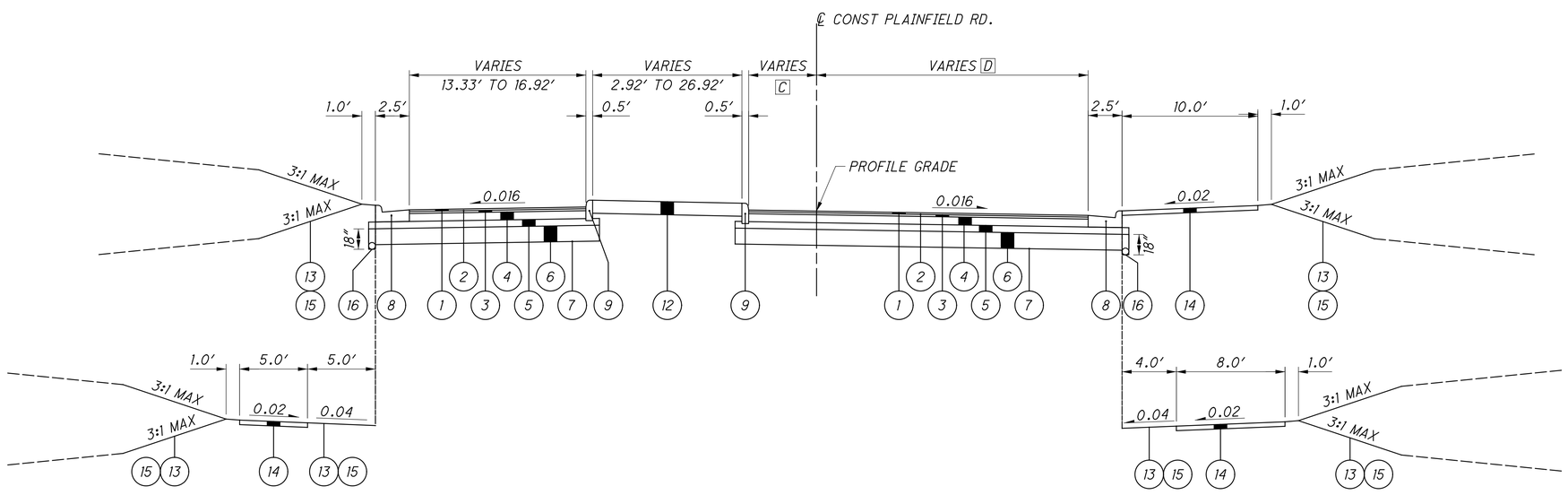
STA 90+00.00 TO STA 901+35.00



NORMAL SECTION - PLAINFIELD RD.

STA 901+35.03 TO STA 902+71.14

A 5.0' TO 9.58', STA 902+05.86 TO STA 902+71.14
B 6.0' TO 8.33', STA 901+93.85 TO STA 902+71.14



STA 903+46.62 TO STA 903+78.22

STA 903+28.95 TO STA 903+78.22

NORMAL SECTION - PLAINFIELD RD.

STA 902+71.14 TO STA 903+78.22

SEE ROUNDABOUT DETAILS - STA. 903+78.22 TO STA. 904+57.73

C 4.67' TO 7.0', STA 902+71.14 TO STA 903+43.36
7.0' TO 2.0', STA 903+43.36 TO STA 903+78.22

D 20.35' TO 18.22', STA 902+71.14 TO STA 903+31.31
18.22' TO 28.0', STA 903+31.31 TO STA 903+78.22

FOR LEGEND SEE SHEET 10

CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS

HAM-PLAINFIELD RD ROUNDABOUTS

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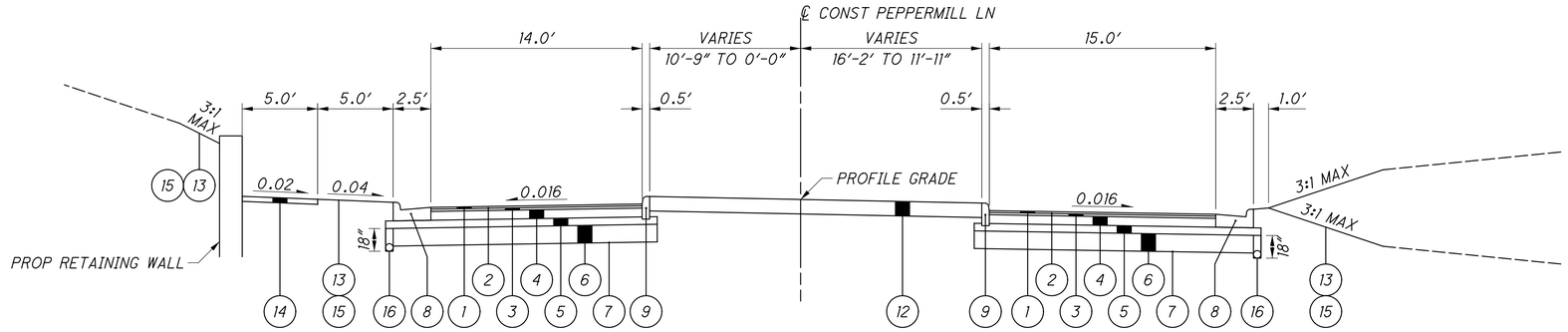
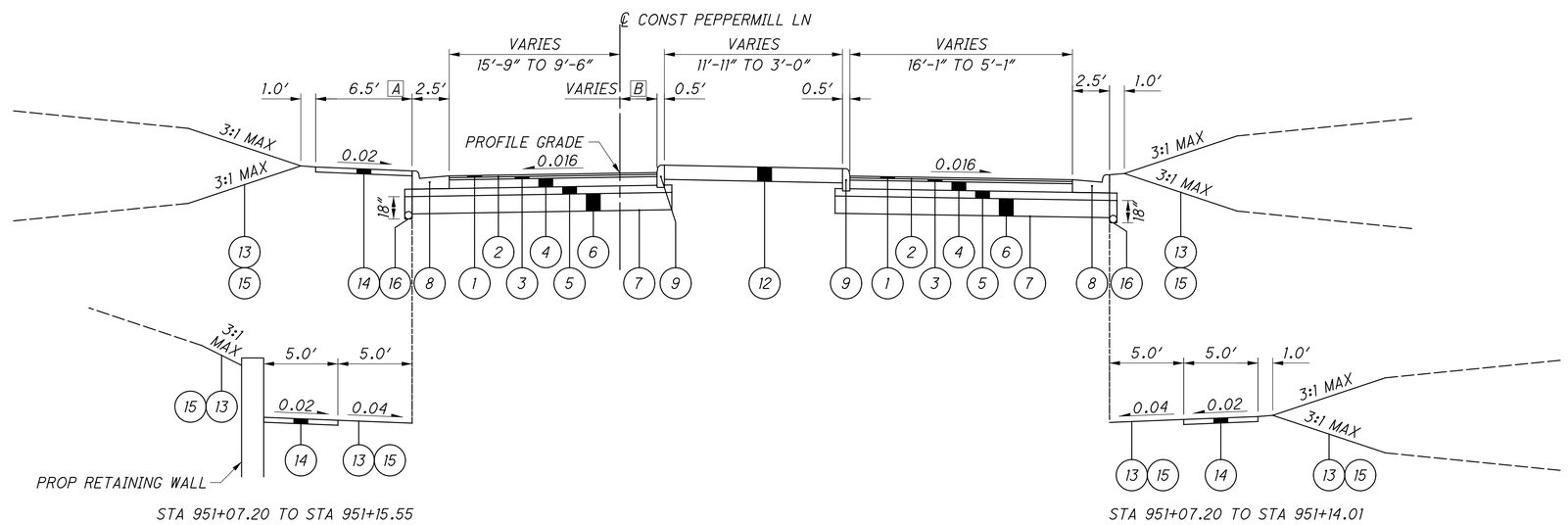


NORMAL SECTION - PEPPERMILL LN

STA 950+83.55 TO STA 951+07.20

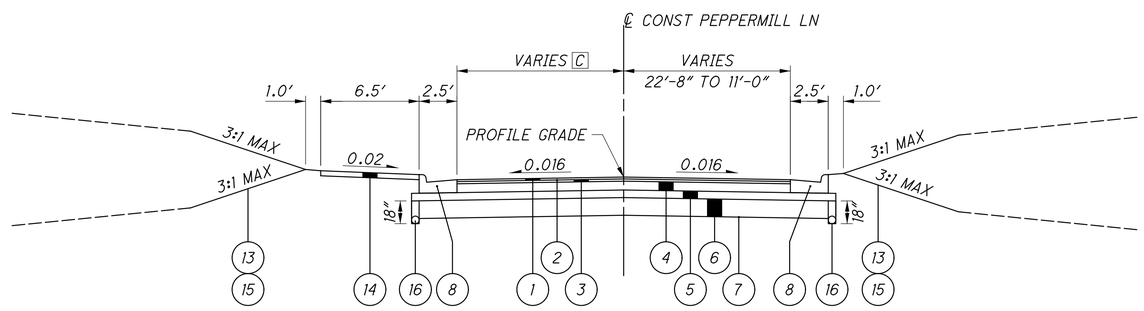
SEE ROUNDABOUT DETAILS - STA. 950+00.00 TO STA. 950+83.55



NORMAL SECTION - PEPPERMILL LN

STA 951+07.20 TO STA 951+28.35

A 10′-0″ TO 6′-6″, STA 951+19.07 TO 951+32.47
B 0′-0″ TO 4′-10″



NORMAL SECTION - PEPPERMILL LN

STA 951+28.35 TO STA 952+88.07

C 9′-7″ TO 7′-11, STA 951+28.35 TO STA 951+46.04
7′-11″ TO 12′-0″, STA 951+46.04 TO STA 951+88.07

FOR LEGEND SEE SHEET 10
FOR WALL DETAILS SEE SHEETS 168-263

jschmeltzer 1/14/2020 6:59:33 AM
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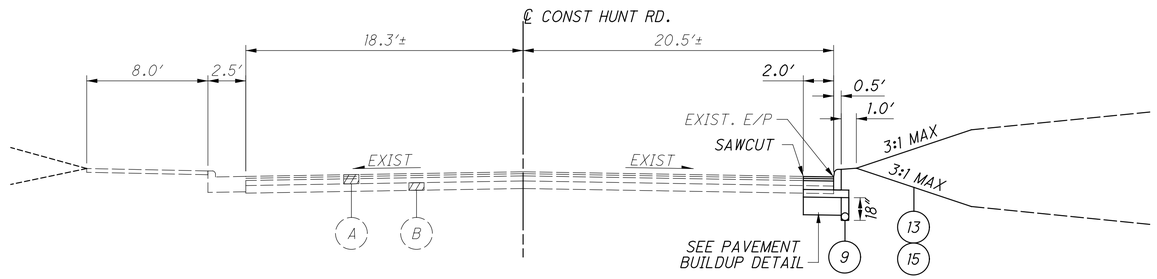
CALCULATED LZS
CHECKED JS

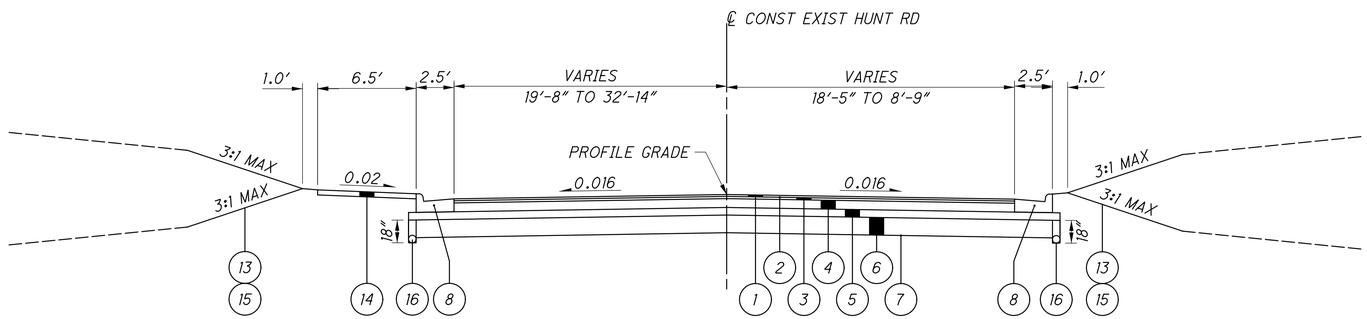
TYPICAL SECTIONS

HAM-PLAINFIELD RD ROUNDABOUTS



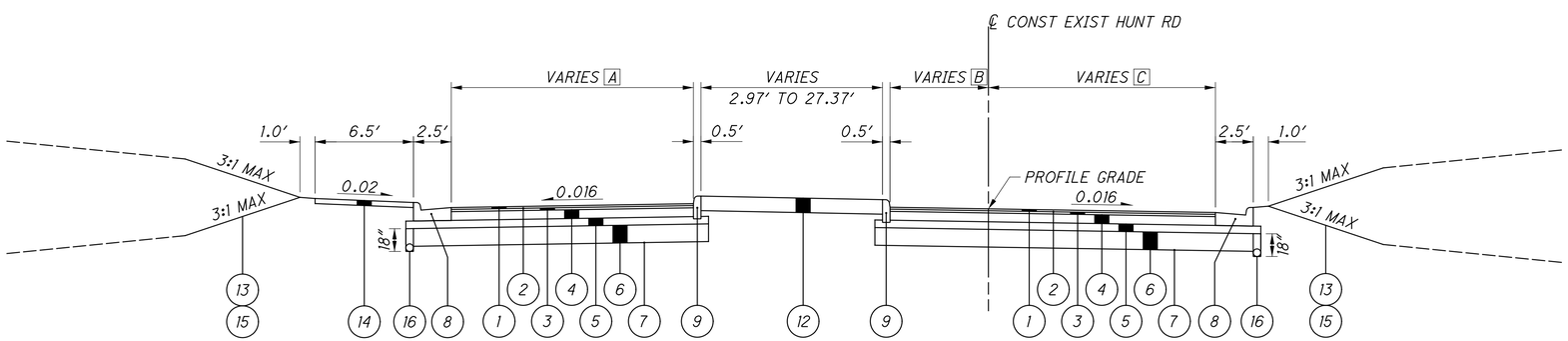
NEW CURB SECTION - EXISTING HUNT RD.

STA. 797+56.30 TO STA. 798+74.40



NORMAL SECTION - EXIST HUNT RD

STA 798+74.40 TO STA 800+28.42



NORMAL SECTION - EXIST HUNT RD

STA 800+28.42 TO STA 800+84.94

SEE ROUNDABOUT DETAILS - STA. 800+84.94 TO STA. 802+01.41

A 29.60' TO 23.93, STA 800+28.42 TO STA 800+58.72
23.93' TO 25.46', STA 800+58.72 TO STA 800+84.94

B 3.20' TO 6.03', STA 800+28.42 TO STA 800+56.22
6.03' TO 1.00', STA 800+56.22 TO STA 800+84.94

C 10.78' TO 9.25', STA 800+28.42 TO STA 800+56.22
9.25' TO 17.01', STA 800+56.22 TO STA 800+84.94

FOR LEGEND SEE SHEET 10

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1/14/2020 6:59:35 AM
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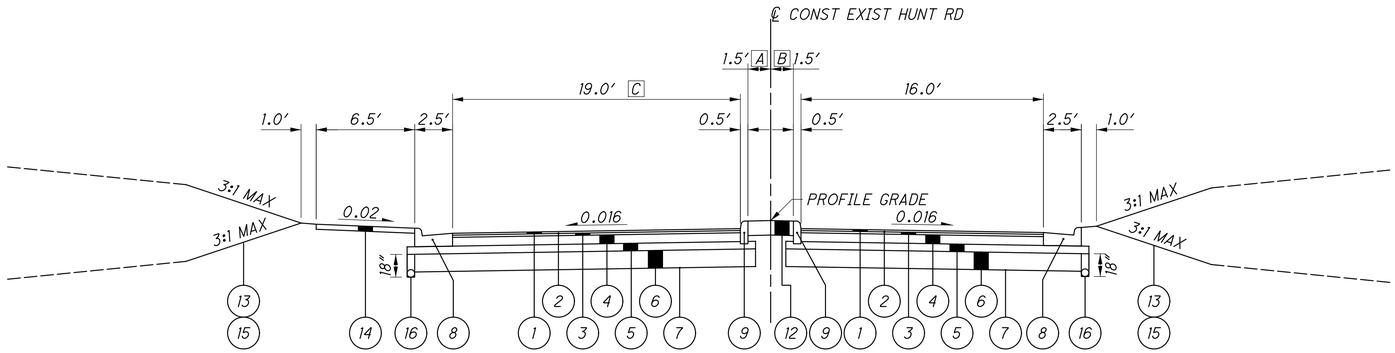
CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS

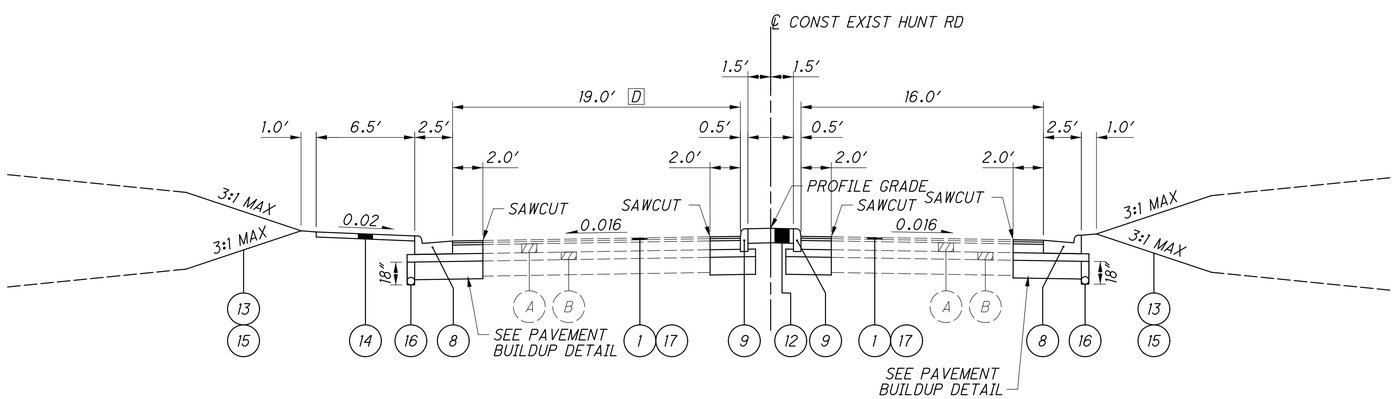
HAM-PLAINFIELD RD ROUNDABOUTS



NORMAL SECTION - EXIST HUNT RD

STA 802+01.41 TO STA 803+25.00
STA 807+25.00 TO STA 807+67.73

A 21′-3″ TO 1′-6″, STA 802+01.41 TO STA 802+79.57
B 6′-1″ TO 1′-6″, STA 802+01.41 TO STA 802+50.44
C 23′-0″, STA 807+25.00 TO 807+67.73



RESURFACING SECTION - EXIST HUNT RD

STA 803+25.00 TO STA 807+25.00

D 19′-0″ TO 16′-0″, STA 804+19.73 TO STA 804+86.25
16′-0″ TO 33′-9″, STA 804+86.25 TO STA 805+01.31
33′-9″ TO 23′-0″, STA 805+01.31 TO STA 805+28.84
23′-0″, STA 805+28.84 TO STA 807+25.00

FOR LEGEND SEE SHEET 10
FOR PAVEMENT BUILDUP DETAIL SEE SHEET 15

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1/14/2020 6:59:36 AM
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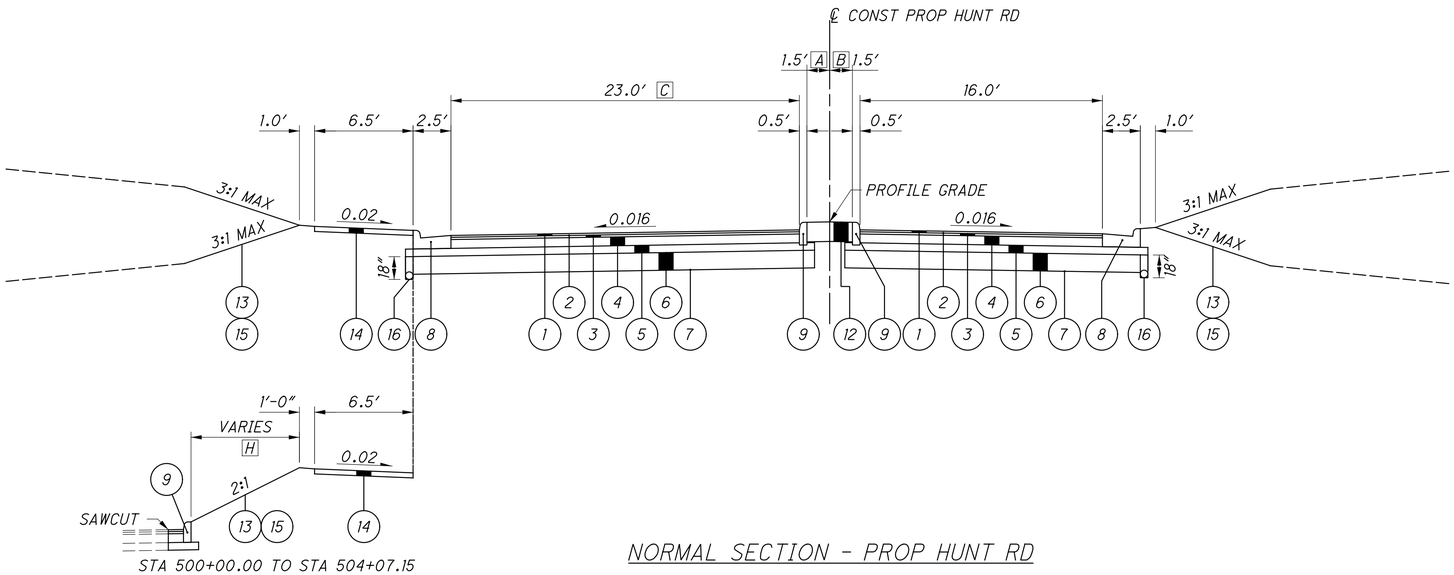
CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS

HAM-PLAINFIELD RD ROUNDABOUTS



STA 500+00.00 TO STA 504+07.15

NORMAL SECTION - PROP HUNT RD

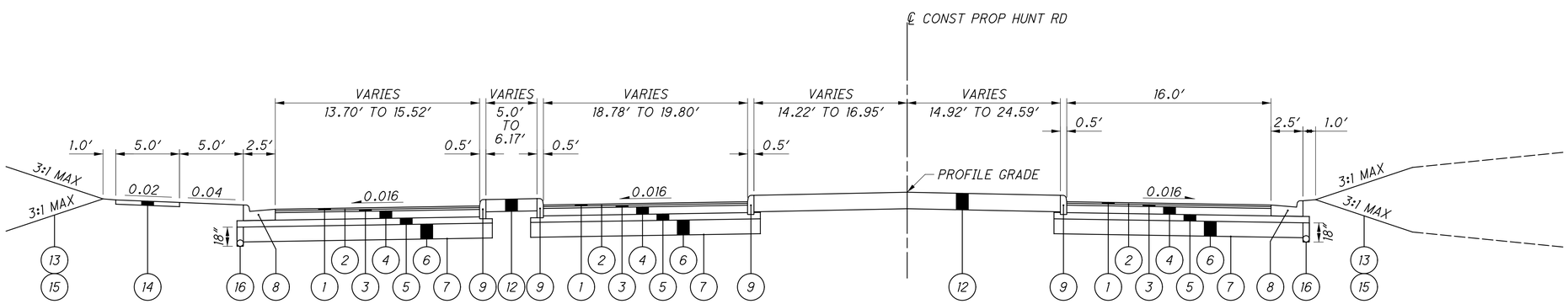
STA 500+00.00 TO STA 505+21.59

A 1′-6″ TO 14′-1″, STA 503+86.75 TO STA 505+21.59

B 1′-6″ TO 15′-1″, STA 504+31.53 TO STA 505+21.59

C 23′-0″ TO 39′-2″, STA 503+64.58 TO STA 505+21.59

D 10′-5″ TO 9′-9″, STA 500+00.00 TO STA 500+50.00
9′-9″ TO 8′-5″, STA 500+50.00 TO STA 501+01.39
8′-5″ TO 6′-2″, STA 501+01.39 TO STA 501+50.00
6′-2″ TO 7′-3″, STA 501+50.00 TO STA 503+00.00
7′-3″ TO 4′-4″, STA 503+00.00 TO STA 503+50.00
4′-4″ TO 3′-10″, STA 503+50.00 TO STA 503+91.48
21′-6″ TO 15′-3″, STA 503+91.48 TO STA 504+07.15



NORMAL SECTION - PROP HUNT RD

STA 505+21.59 TO STA 505+48.72

SEE ROUNDABOUT DETAILS - STA. 505+48.72 TO STA. 506+26.22

FOR LEGEND SEE SHEET 10

CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS

HAM-PLAINFIELD RD ROUNDABOUTS

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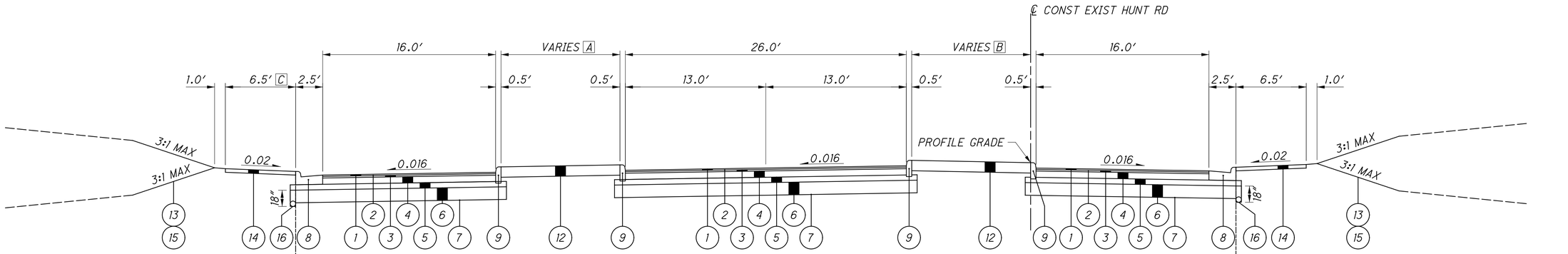
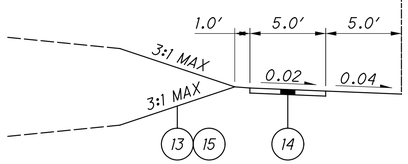
A 10'-0" TO 6'-6", STA 951+19.07 TO 951+32.47
B 0'-0" TO 4'-10"
C 10'-0" TO 6'-6", STA 815+14.56 TO STA 815+26.73



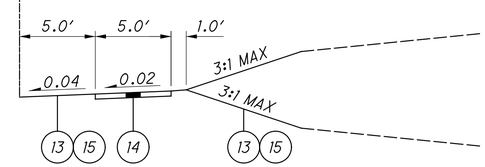
NORMAL SECTION - EXIST HUNT RD

STA 814+47.54 TO STA 815+94.19

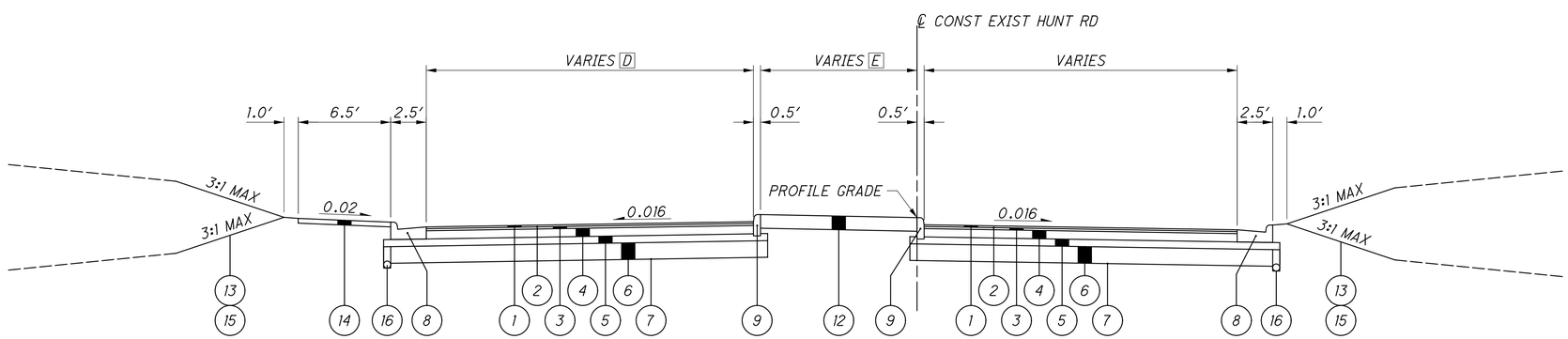
SEE ROUNDABOUT DETAILS - STA. 813+58.64 TO STA. 814+47.54



STA 814+59.69 TO STA 815+14.56



STA 814+59.69 TO STA 814+78.17



NORMAL SECTION - EXIST HUNT RD

STA 815+94.19 TO STA 817+29.45

D 43'-2" TO 24'-11, STA 815+94.19 TO STA 816+86.43
24'-11" TO 24'-4", STA 816+86.43 TO STA 817+29.45

E 4'-10" TO 7'-2", STA 815+94.19 TO STA 816+86.38
7'-2" TO 5'-2, STA 816+86.38 TO STA 817+14.00
5'-2" TO 3'-0", STA 817+14.00 TO STA 817+29.45

FOR LEGEND SEE SHEET 10

jschmeltzer
1/14/2020 6:59:38 AM
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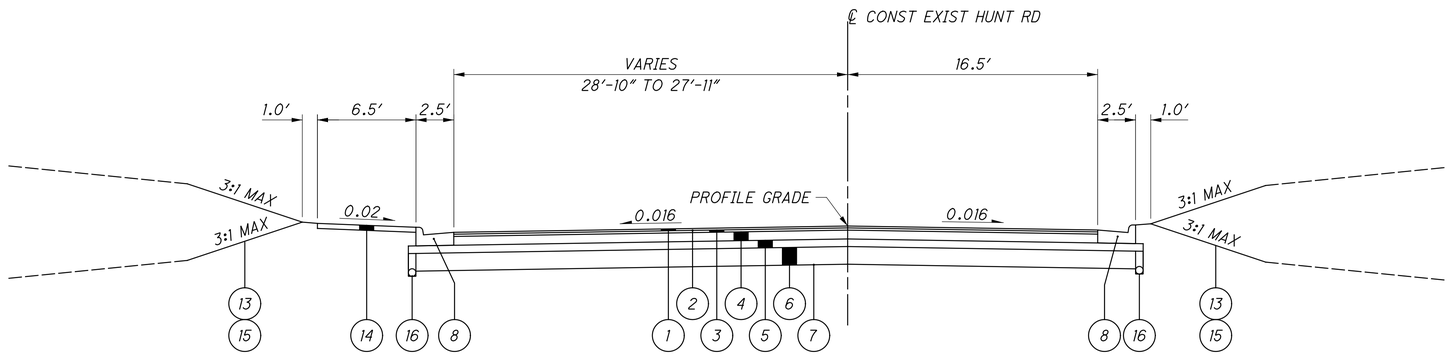
CALCULATED LZS
CHECKED JS

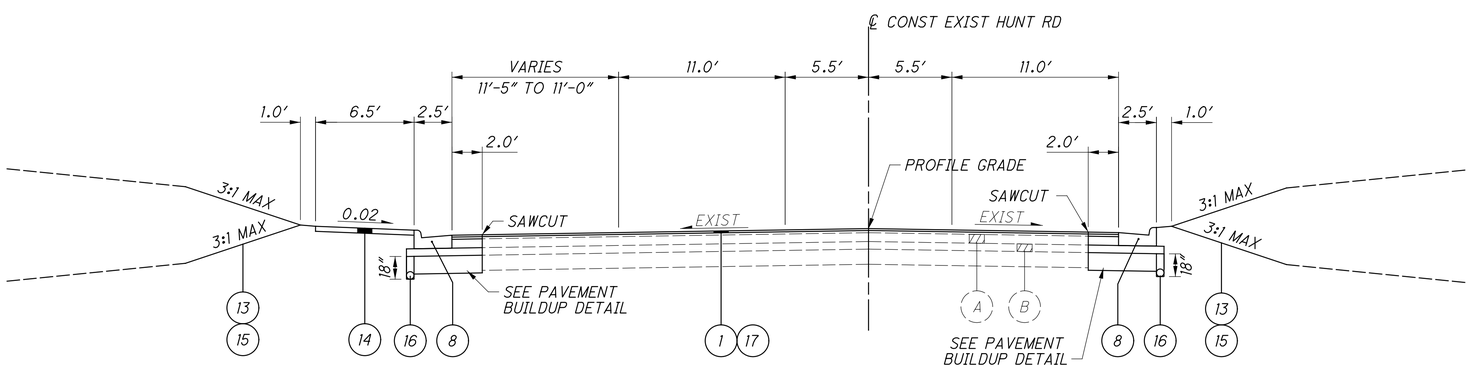
TYPICAL SECTIONS

HAM-PLAINFIELD RD ROUNDABOUTS



NORMAL SECTION - EXIST HUNT RD

STA 817+29.45 TO STA 817+50.00



RESURFACING SECTION - EXIST HUNT RD

STA 817+50.00 TO STA 818+50.00

FOR LEGEND SEE SHEET 10
FOR PAVEMENT BUILDUP DETAIL SEE SHEET 15

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1/14/2020 6:59:39 AM
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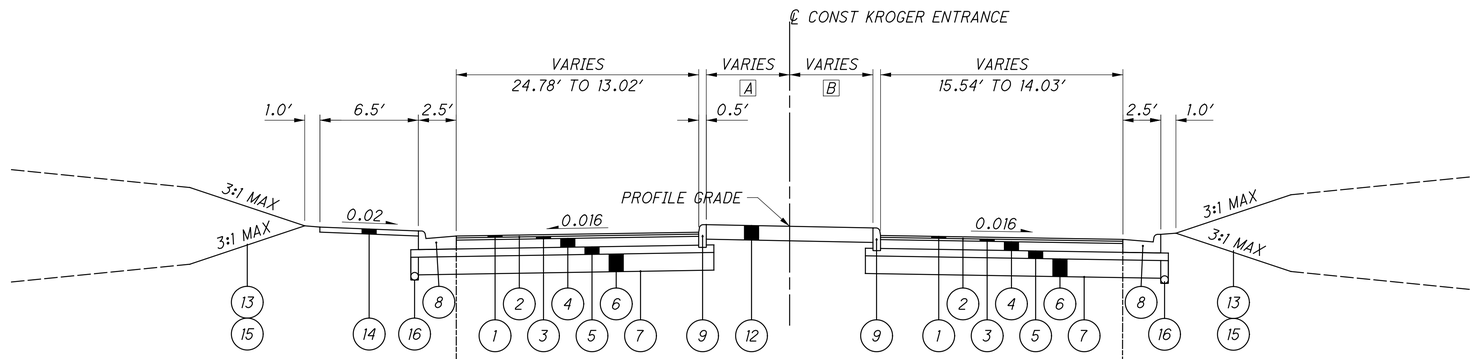
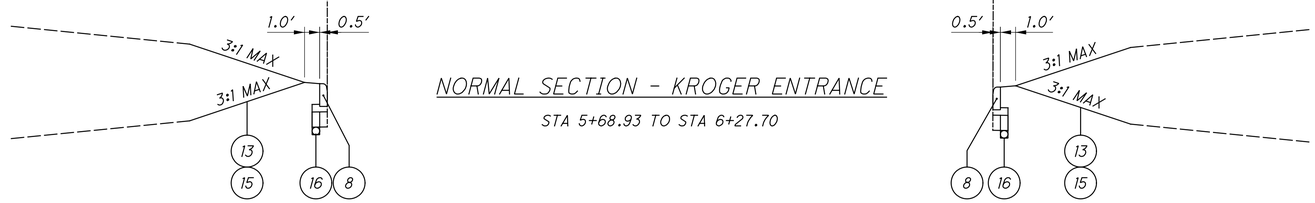
CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS

HAM-PLAINFIELD RD
ROUNDABOUTS



A 10.56′ TO 1.94′
B 13.73′ TO 1.10′

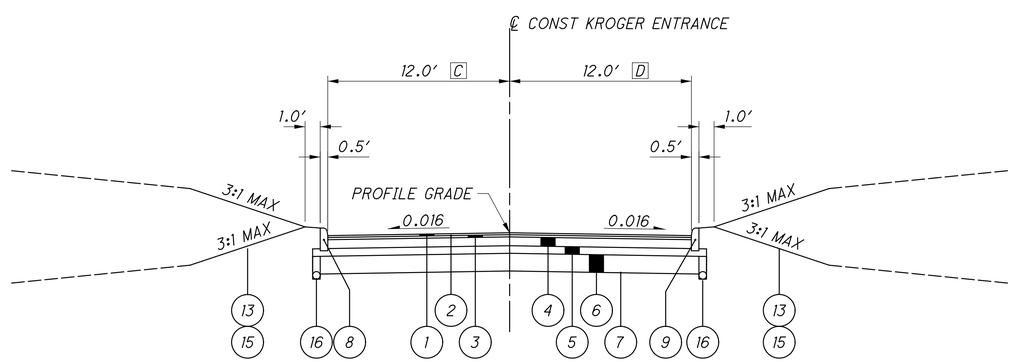


NORMAL SECTION - KROGER ENTRANCE

STA 5+68.93 TO STA 6+27.70

STA 6+00.36 TO STA 6+07.80

STA 5+97.85 TO STA 6+07.80



NORMAL SECTION - KROGER ENTRANCE

STA 6+27.70 TO STA 6+59.96

C 15.30′ TO 13.59′, STA 6+27.70 TO STA 6+59.96
D 15.57′ TO 12.32′, STA 6+27.70 TO STA 6+59.96

FOR LEGEND SEE SHEET 10

CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS

HAM-PLAINFIELD RD ROUNDABOUTS

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1/14/2020 6:59:40 AM
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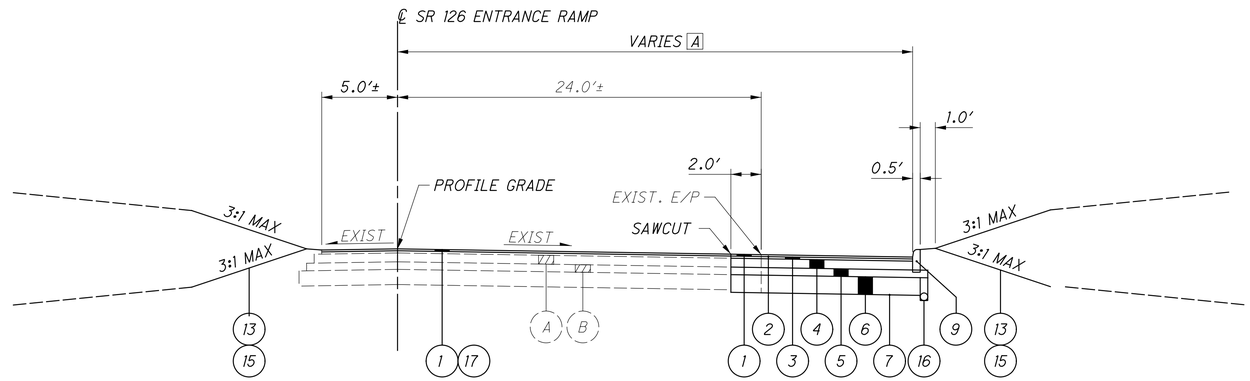
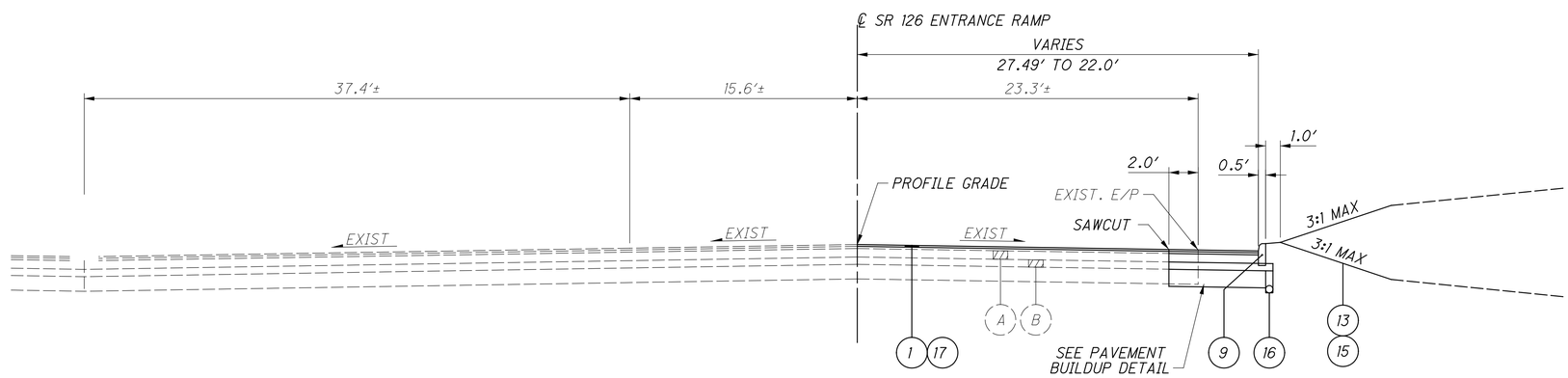


RESURFACING SECTION - SR 126 ENTRANCE RAMP

STA 600+56.92 TO STA 606+86.95

A 34.0', STA 600+56.92 TO STA 603+59.90
34.0' TO 27.49', STA 603+59.90 TO STA 606+86.95



RESURFACING SECTION - SR 126 ENTRANCE RAMP

STA 606+86.95 TO STA 609+59.90

FOR LEGEND SEE SHEET 10
FOR PAVEMENT BUILDUP DETAIL SEE SHEET 15

jschmeltzer
1/14/2020 6:59:41 AM
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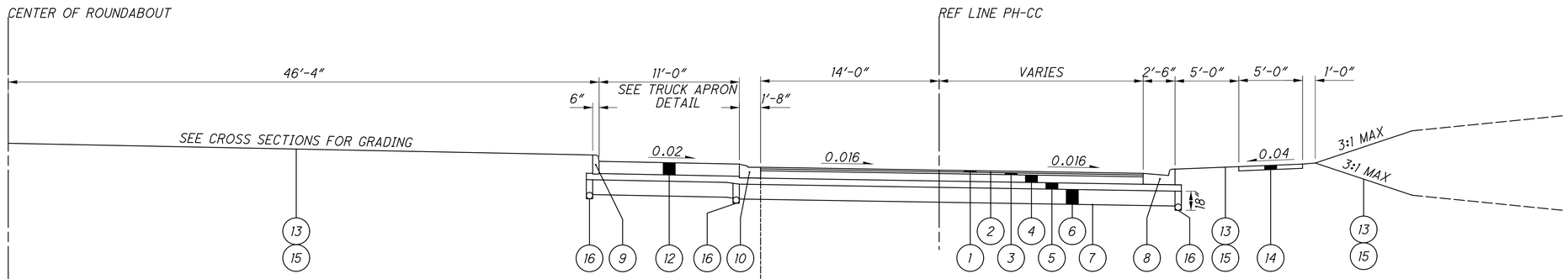
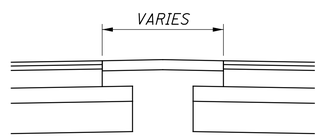
CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS

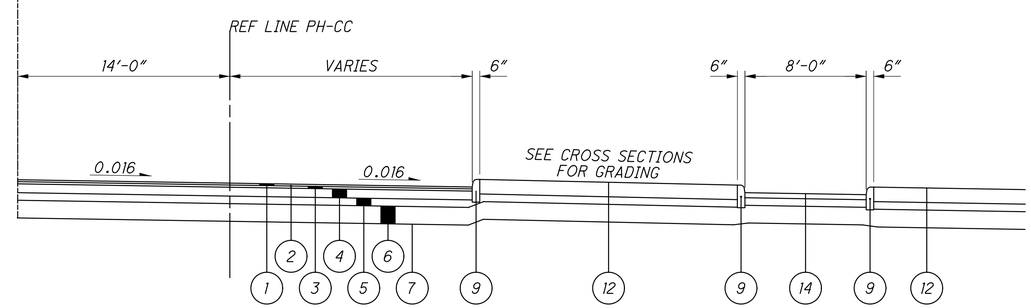
HAM-PLAINFIELD RD
ROUNDABOUTS



ROUNDABOUT SECTION A-A



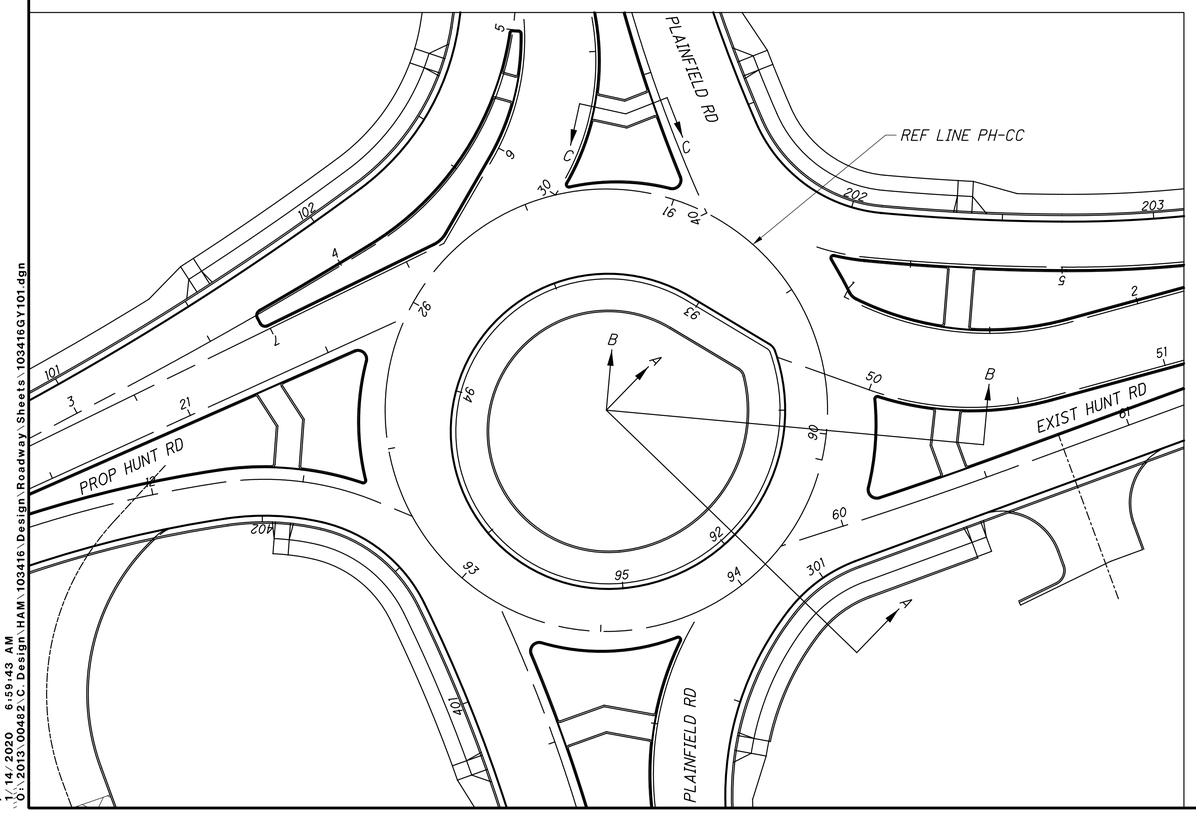
SECTION C-C

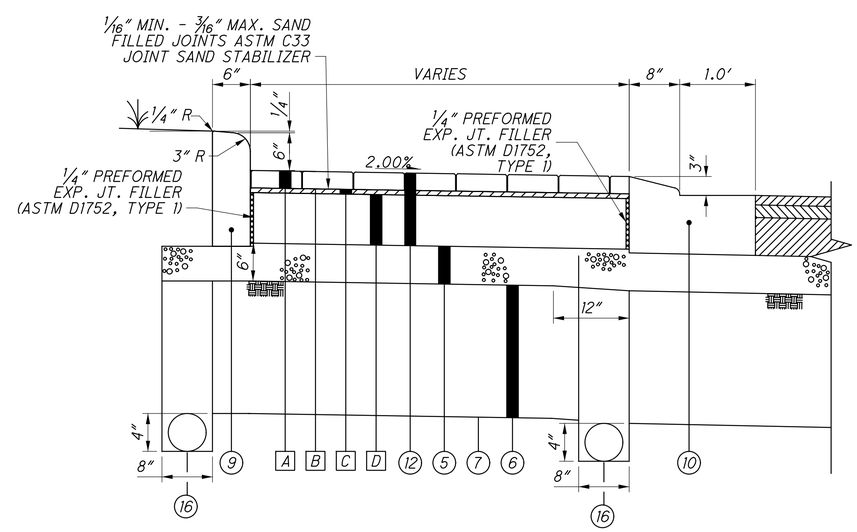


ROUNDABOUT SECTION B-B

FOR LEGEND SEE SHEET 10

FOR ROUNDABOUT DETAIL SEE SHEET 195
FOR SPLITTER ISLAND DETAILS SEE SHEET 198-200





TRUCK APRON PAVEMENT DETAIL WITH BRICK PAVERS

NOT TO SCALE

A 8" x 4" x 2 3/4" BRICK PAVERS (SEE GENERAL NOTES FOR DETAILS)

B NEOPRENE - MODIFIED ASPHALT ADHESIVE

C 3/4" BITUMINOUS ASPHALT SETTING BED (PG64-22)

D ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT

CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS - ROUNDABOUT
PLAINFIELD RD & HUNT RD

HAM-PLAINFIELD RD ROUNDABOUTS

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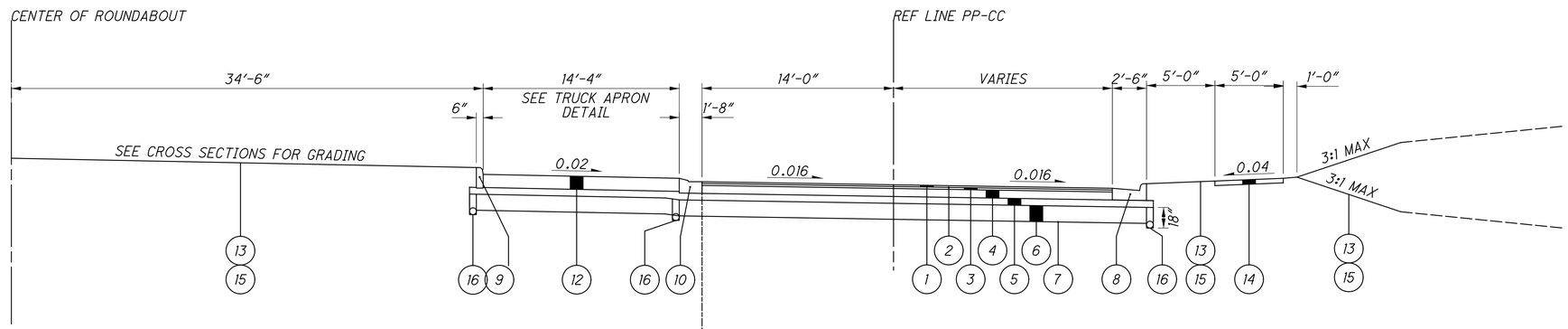
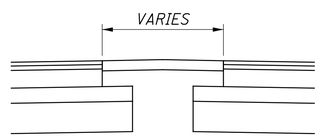
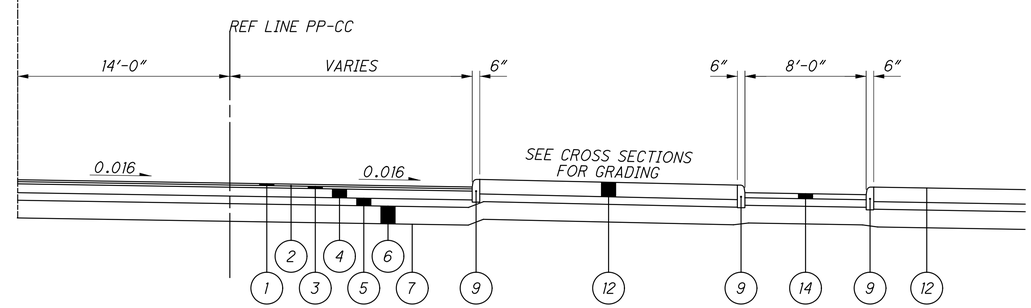


ROUNDABOUT SECTION A-A



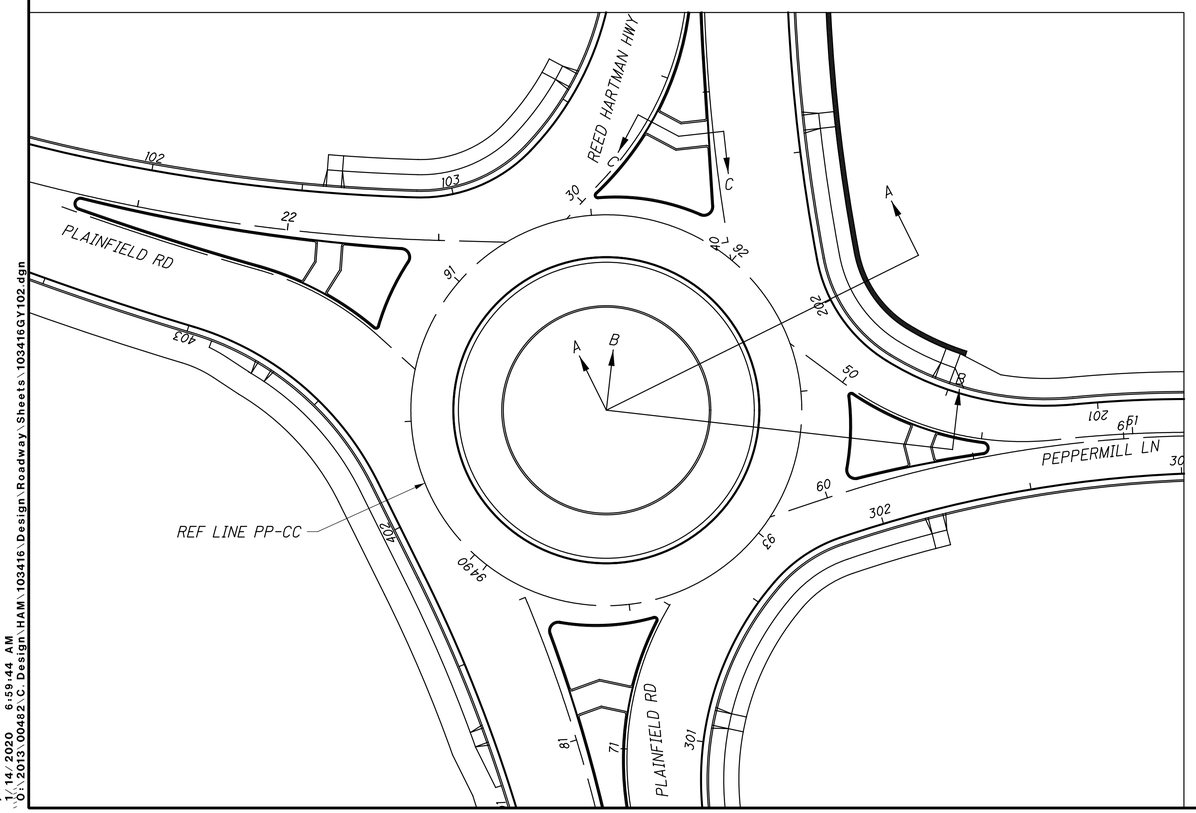
SECTION C-C

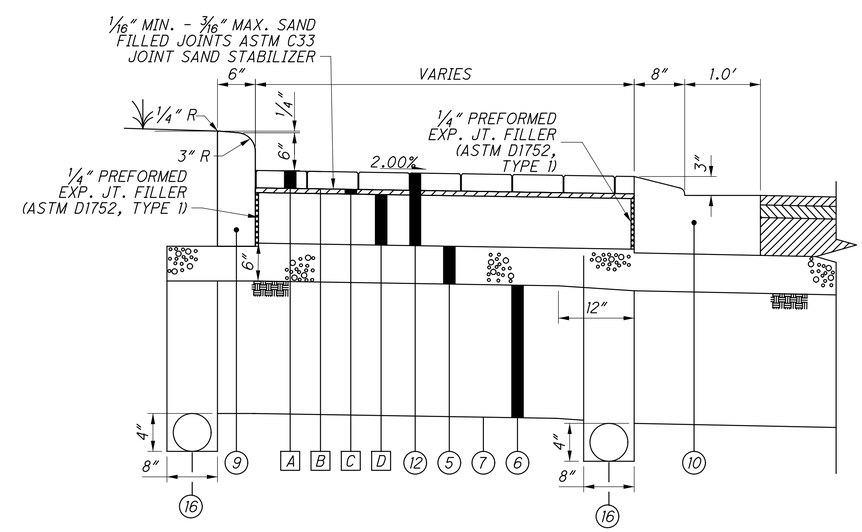


ROUNDABOUT SECTION B-B

FOR LEGEND SEE SHEET 10

FOR ROUNDABOUT DETAIL SEE SHEET 196
FOR SPLITTER ISLAND DETAILS SEE SHEET 201-202





TRUCK APRON PAVEMENT DETAIL WITH BRICK PAVERS

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C 3/4" BITUMINOUS ASPHALT SETTING BED (PG64-22)

D ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT

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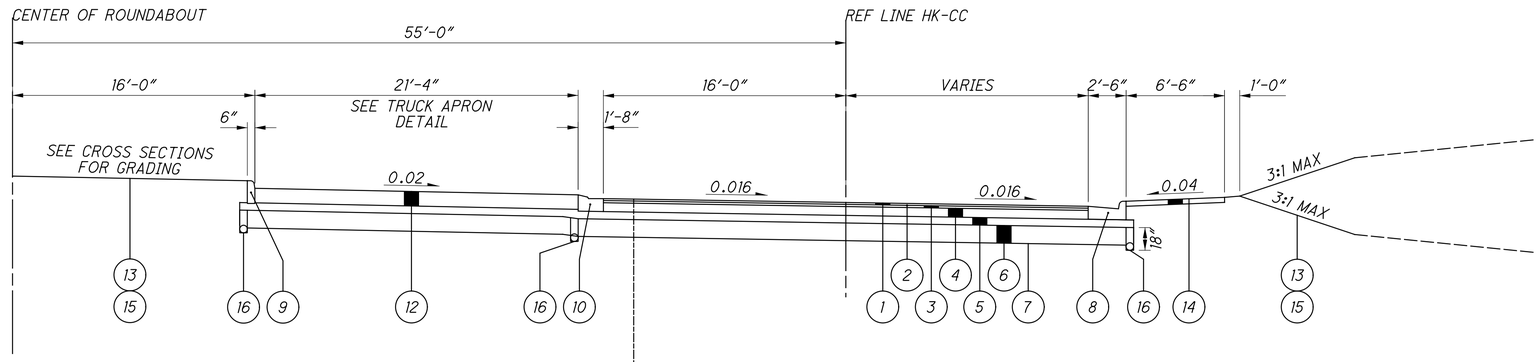
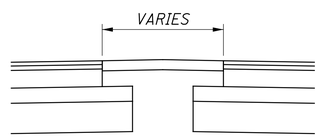
CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS - ROUNDABOUT
PLAINFIELD RD & PEPPERMILL LN

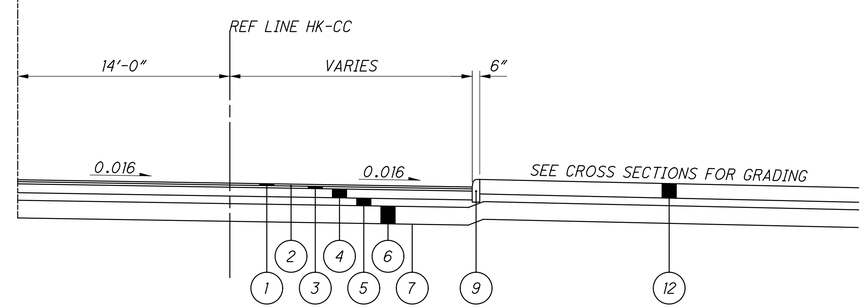
HAM-PLAINFIELD RD ROUNDABOUTS



ROUNDABOUT SECTION A-A



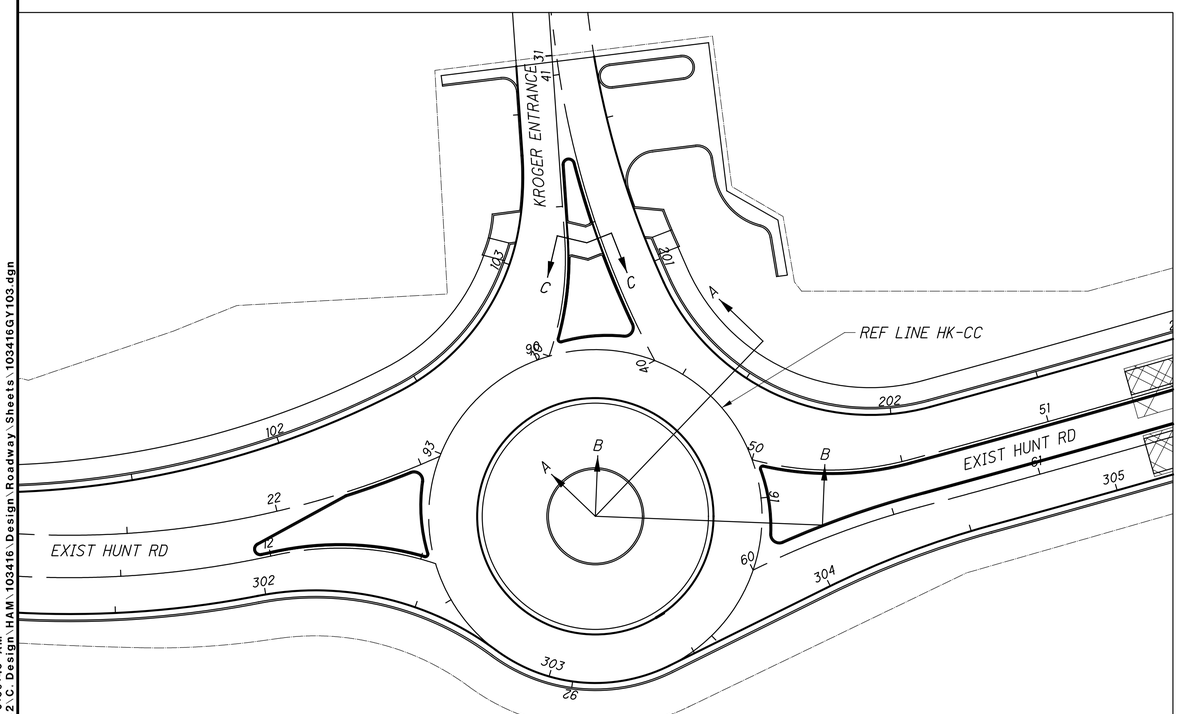
SECTION C-C

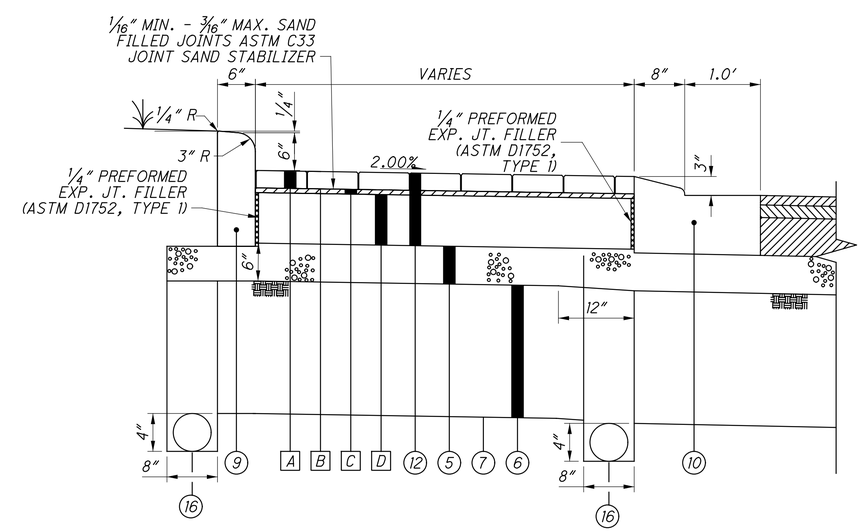


ROUNDABOUT SECTION B-B

FOR LEGEND SEE SHEET 10

FOR ROUNDABOUT DETAIL SEE SHEET 197
FOR SPLITTER ISLAND DETAILS SEE SHEET 203





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C 3/4" BITUMINOUS ASPHALT SETTING BED (PG64-22)

D ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT

CALCULATED LZS
CHECKED JS

TYPICAL SECTIONS - ROUNDABOUT
HUNT RD & KROGER ENTRANCE

HAM-PLAINFIELD RD
ROUNDABOUTS

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UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

CABLE/INTERNET
CINCINNATI BELL
221 E. 4TH STREET
BLDG 121-900
CINCINNATI, OHIO 45201
MARK CONNER
513-565-7043

ELECTRIC
DUKE ENERGY
139 E. 4TH STREET
ROOM 467A
CINCINNATI, OHIO 45202
JACK GARDNER

GAS
DUKE ENERGY
139 E. 4TH STREET
ROOM 467A
CINCINNATI, OHIO 45202
ED PAMER
513-287-2366

CABLE/INTERNET
TIME WARNER CABLE
11252 CORNELL PARK DRIVE
CINCINNATI, OHIO 45242
KENT RIEGER
513-386-5499

WATER
GREATER CINCINNATI WATER WORKS
4747 SPRING GROVE AVE
CINCINNATI, OHIO 45232
MICHAEL COSSINS
513-557-5799

SEWER
METROPOLITAN SEWER DISTRICT
1600 GEST STREET
CINCINNATI, OHIO 45204
ROB FRANKLIN
513-557-7188

CITY OF BLUE ASH
4343 COOPER ROAD
BLUE ASH, OHIO 45242
ZAK BRADLEY
513-745-8536

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 9:00 PM AND 7:00 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

SURVEYING PARAMETERS

USE THE FOLLOWING VERTICAL POSITIONING AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: 12B

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD 83 (2011)
ELLIPSOID: GRS 80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO SOUTH STATE PLANE

COMBINED SCALE FACTOR: 0.99990508

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.28083333 U.S. SURVEY FEET.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT OF WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS) A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRICT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS AS DEFINED ABOVE WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

ITEM 659 - SEEDING AND MULCHING, AS PER PLAN

SEED: CERTIFICATION OF GRASS SEED SHALL BE PROVIDED BY SEED VENDOR FOR EACH GRASS-SEED MIXTURE STATING THE BOTANICAL AND COMMON NAME, PERCENTAGE BY WEIGHT OF EACH SPECIES AND VARIETY; AND PERCENTAGE OF PURITY, GERMINATION, AND WEED SEED. INCLUDE THE YEAR OF PRODUCTION AND DATE OF PACKAGING. FURNISH NATIONAL TURFGRASS EVALUATION PROGRAM (NTEP) DATA FOR EACH SPECIES TO BE USED.

GRASS SEED MUST BE FRESH, CLEAN, DRY, NEW-CROP SEED COMPLYING WITH THE A.O.S.A. "JOURNAL OF SEED TECHNOLOGY" RULES FOR TESTING SEEDS FOR PURITY AND GERMINATION TOLERANCES.

SEED SPECIES SHALL BE AS FOLLOWS, WITH NOT LESS THAN 90 PERCENT GERMINATION, NOT LESS THAN 98 PERCENT PURE SEED, AND NOT MORE THAN 0.5 PERCENT WEED SEED.

TURFGRASS SEED MIX PROPORTIONED BY WEIGHT:

A. 80 PERCENT TALL FESCUE (FESTUCA ARUNDINACEA), WITH A MINIMUM OF 3 IMPROVED TURF-TYPE VARIETIES. KENTUCKY-31 AND ALTA VARIETIES ARE NOT APPROVED.
B. 20 PERCENT PERENNIAL RYEGRASS (LOLIUM PERENNE).

SEEDING: SOW SEED AT A TOTAL RATE OF 7-9 LB. / 1000 S.F. WITH A SPREADER OR SEEDING MACHINE. RAKE SEED LIGHTLY INTO TOP 1/8 INCH OF SOIL, ROLL LIGHTLY, AND WATER WITH FINE SPRAY. THOROUGHLY COVER WITH STRAW AND NETTING. NETTING SHALL BE ADEQUATELY PINNED TO PREVENT THE STRAW FROM BEING BLOWN OR WASHED AWAY.

PROTECT SEEDED AREAS WITH SLOPES EXCEEDING 3:1 WITH EROSION CONTROL BLANKETS AS DIRECTED BY THE ENGINEER. COST OF EROSION CONTROL BLANKETS, MATERIAL, AND LABOR SHALL BE PAID FOR BY THE CITY.

HYDRO-SEEDING: NOT PERMITTED

HYDRO-MULCHING: NOT PERMITTED

TURF MAINTENANCE: MAINTAIN AND ESTABLISH TURF BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING, AND REPLANTING TO ESTABLISH HEALTHY, VIABLE TURF. ROLL, REGRADE, AND REPLANT BARE OR ERODED AREAS AND REMULCH TO PRODUCE A UNIFORMLY SMOOTH TURF. PROVIDE THE SAME MATERIALS AND INSTALLATION AS THOSE USED IN THE ORIGINAL INSTALLATION. WATER TURF WITH FINE SPRAY AT A MINIMUM RATE OF 1 INCH PER WEEK UNLESS RAINFALL PRECIPITATION IS ADEQUATE.

MOW TURFGRASS SEED MIX AREAS AS SOON AS TOP GROWTH IS TALL ENOUGH TO CUT. REPEAT MOWING TO MAINTAIN SPECIFIED HEIGHT WITHOUT CUTTING MORE THAN ⅓ OF GRASS HEIGHT. MOW AREAS TO A HEIGHT OF 2 TO 3 INCHES.

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

ITEM 659 - TOPSOIL, SHREDDED 4"	1735 CU YD
ITEM 659 - SEEDING AND MULCHING	10451 SQ YD
ITEM 659 - COMMERCIAL FERTILIZER	1.39 TON
ITEM 659 - LIME	2.30 ACRES
ITEM 659 - WATER	32 M GAL

ITEM 659 - SEEDING AND MULCHING, AS PER PLAN (CONTINUED)

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS. ALL SEEDING AND MULCHING SHALL BE DONE TO DAMAGED AREAS OUTSIDE THE GRADING LIMITS AT THE EXPENSE OF THE CONTRACTOR.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. (PREVIOUS CONSTRUCTION PLANS, PROJECT NO. _____, SHOWING THE ORIGINAL ALIGNMENT AND PROFILE, ARE AVAILABLE FOR INSPECTION AT THE ODOT DISTRICT __ OFFICE). PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY (WITH A UNIFORM THICKNESS OF ____ INCHES (VARYING IN THICKNESS FROM ____ INCHES AT THE CROWN TO ____ INCHES AT THE PAVEMENT EDGE) (AS SHOWN ON THE TYPICAL SECTIONS).

CLEARING AND GRUBBING

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	-	-	-
30"	-	-	-
48"	-	-	-
60"	-	-	-

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

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BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN 203.05. NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF 203.05.

PAVEMENT RESTORATION FOR DRAINAGE STRUCTURE INSTALLATIONS

THE FOLLOWING QUANTITY IS PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION OF ITEM 604 DRAINAGE STRUCTURES.

ITEM 301 ASPHALT CONCRETE BASE, PG64-22 _____ CU. YDS.

THE ABOVE QUANTITY IS BASED ON A 301 THICKNESS OF ____ INCHES AND A WIDTH OF TWO FEET AROUND THE PERIMETER OF THE DRAINAGE STRUCTURE.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

PAVEMENT RESTORATION FOR PIPE INSTALLATIONS AND/OR REMOVALS

THE FOLLOWING QUANTITY HAS BEEN PROVIDED FOR PAVEMENT RESTORATION FOLLOWING INSTALLATION AND/OR REMOVAL OF PIPES.

ITEM 301 ASPHALT CONCRETE BASE, PG64-22 ____ CU. YDS.

THE ABOVE QUANTITY IS BASED ON A 301 THICKNESS OF ___ INCHES AND A PAVEMENT RESTORATION WIDTH THAT INCLUDES THE TRENCH WIDTH PLUS TWO FEET ON EACH SIDE OF THE TRENCH.

PROVIDE ANY MATERIALS USED OUTSIDE THE LIMITS STATED ABOVE AT NO ADDITIONAL COST.

EXISTING UNDERDRAINS

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE.

UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

601, TIED CONCRETE BLOCK MAT, TYPE 1 ____ SQ. YD.
611 ____" CONDUIT, TYPE F ____ FT.
611, PRECAST REINFORCED CONCRETE OUTLET ____ EACH
605 ____" UNCLASSIFIED PIPE UNDERDRAINS ____ FT.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

ITEM SPECIAL - FILL AND PLUG EXISTING CONDUIT

THIS ITEM SHALL CONSIST OF THE CONSTRUCTION OF BULKHEADS IN AN EXISTING ____ IN DIAMETER CONDUIT AND FILLING THE AREA THUS SEALED OFF WITH ITEM 613, SAND OR OTHER MATERIAL APPROVED BY THE ENGINEER.

BULKHEADS SHALL BE LOCATED AT THE LIMITS OF THE AREA TO BE FILLED AS INDICATED ON THE PLANS. THE BULKHEADS SHALL CONSIST OF BRICK OR CONCRETE MASONRY WITH A MINIMUM THICKNESS OF 12 INCHES.

THE FILL MATERIAL SHALL BE PUMPED INTO PLACE, OR PLACED BY OTHER MEANS APPROVED BY THE ENGINEER, SO THAT, AFTER SETTLEMENT, AT LEAST 90 PERCENT OF THE CROSS-SECTIONAL AREA OF THE CONDUIT, FOR ITS ENTIRE LENGTH, SHALL BE FILLED. THE LENGTH OF FILLED AND PLUGGED CONDUIT TO BE PAID FOR SHALL BE THE ACTUAL NUMBER OF FEET (MEASURED ALONG THE CENTERLINE OF EACH CONDUIT FROM OUTER FACE TO OUTER FACE OF BULKHEADS) FILLED AND PLUGGED AS DESCRIBED ABOVE.

IN LIEU OF FILLING AND PLUGGING THE EXISTING CONDUIT, THE PIPE MAY BE CRUSHED AND BACKFILLED IN ACCORDANCE WITH THE PROVISIONS OF 203, OR IT MAY BE REMOVED. THE LENGTH, MEASURED AS PROVIDED ABOVE, SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR, ITEM SPECIAL, FILL AND PLUG EXISTING CONDUIT.

UNRECORDED UNTREATED NON-STORMWATER DRAINAGE

FURNISH NO CONTINUANCE FOR ANY UNRECORDED UNTREATED NON-STORMWATER DRAINAGE SUCH AS UNTREATED SEPTIC, UNTREATED WASTEWATER, UNTREATED CURTAIN/GRADIENT DRAINS, AND UNTREATED FOUNDATION FLOOR DRAINS DISTURBED BY THE WORK. PLUG ANY UNRECORDED UNTREATED NON-STORMWATER DRAINAGE WITH CONCRETE AT THE RIGHT OF WAY LINE. PAYMENT FOR PLUGGING SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 202 OR 203 ITEM.

UNRECORDED TREATED NON-STORMWATER DRAINAGE

FURNISH A CONTINUANCE FOR ALL UNRECORDED TREATED NON-STORMWATER DRAINAGE, SUCH AS TREATED SEPTIC, TREATED WASTEWATER, TREATED CURTAIN/GRADIENT DRAINS, AND TREATED FOUNDATION FLOOR DRAINS DISTURBED BY THE WORK. FURNISH EITHER AN OPEN CONTINUANCE OR AN UNOBSTRUCTED CONTINUANCE BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEEDED CONDUIT TO REPLACE OR EXTEND AN EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT. A CONTINUANCE MAY ALSO REQUIRE A NPDES PERMIT FROM THE OHIO ENVIRONMENTAL PROTECTION AGENCY. REPORT ALL CONTINUANCE TO THE LOCAL HEALTH DEPARTMENT.

WHERE MAKING A CONNECTION INTO A HIGHWAY DRAINAGE CONDUIT, AN INSPECTION WELL SHALL BE PROVIDED IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING DM-3.1.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER IN MAKING THE ABOVE CONTINUANCE:

611, ____" CONDUIT, TYPE C ____ FT.

611, INSPECTION WELL ____ EACH

CALCULATED CML
CHECKED JS

GENERAL NOTES

HAM-PLAINFIELD RD ROUNDABOUTS

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ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN

A MINIMUM OF __ LANE(S) OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, ITEM 502 STRUCTURE FOR MAINTAINING TRAFFIC, ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, ITEM 615 ROADS FOR MAINTAINING TRAFFIC, AND TEMPORARY SURFACES USING ITEMS 410 AND 614.

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED __ CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET ___. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF $____ PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING
(OTHER HOLIDAY OR EVENT)	

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00AM FRIDAY
THURSDAY	(THANKSGIVING ONLY) 6:00AM WEDNESDAY THROUGH 6:00AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH O WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. [AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.]

ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN (CONTINUED)

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY

BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP &	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
ROAD	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURES < 12 HOURS		2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE A OR B
_____ CU. YD.

ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE C
_____ CU. YD.

ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC
_____ CU. YD.

ITEM 616, WATER _____ M. GAL.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS FOLLOWS:

(LIST THE TYPE AND LOCATIONS.)

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

TRENCH FOR WIDENING

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

OVERNIGHT TRENCH CLOSING

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN ____ INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER _____ M. GAL.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11.

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

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MAINTENANCE OF TRAFFIC GENERAL NOTES

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MAINTENANCE OF TRAFFIC SIGNAL/FLASHER INSTALLATION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC SIGNAL/FLASHER INSTALLATIONS WITHIN THE PROJECT UNDER THE FOLLOWING CONDITIONS:

1. EXISTING SIGNAL/FLASHER INSTALLATIONS WHICH THE PLANS REQUIRE THE CONTRACTOR TO ADJUST, MODIFY, ADD ONTO OR REMOVE, OR WHICH THE CONTRACTOR ACTUALLY ADJUSTS, MODIFIES OR OTHERWISE DISTURBS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENTIRE INSTALLATION (AT AN INTERSECTION) FROM THE TIME HIS OPERATIONS FIRST DISTURB THE INSTALLATION UNTIL THE INSTALLATION HAS BEEN SUBSEQUENTLY REMOVED OR MODIFIED AND THE WORK IS ACCEPTED.

2. NEW OR REUSED SIGNAL/FLASHER INSTALLATIONS OR DEVICES, INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THESE FROM THE TIME OF INSTALLATION UNTIL THE WORK IS ACCEPTED.

THE CONTRACTOR SHALL CORRECT AS QUICKLY AS POSSIBLE ALL OUTAGES OR MALFUNCTIONS. HE SHALL PROVIDE THE MAINTAINING AGENCY AND THE ENGINEER SUCH ADDRESSES AND PHONE NUMBERS WHERE HIS MAINTENANCE FORCES CAN BE CONTACTED. THE CONTRACTOR SHALL PROVIDE ONE OR MORE PERSONS TO RECEIVE ALL CALLS AND DISPATCH THE NECESSARY MAINTENANCE FORCES TO CORRECT OUTAGES. SUCH A PERSON OR PERSONS MAY BE USED TO PERFORM OTHER DUTIES AS LONG AS PROMPT ATTENTION IS GIVEN TO THESE CALLS AND A PERSON IS READILY AVAILABLE CONTINUOUSLY 24 HOURS A DAY, 7 DAYS A WEEK. ALL LAMP OUTAGES, CABLE OUTAGES, ELECTRICAL FAILURES, EQUIPMENT MALFUNCTIONS AND MISALIGNED SIGNAL HEADS SHALL BE CORRECTED TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK TO SERVICE WITHIN FOUR HOURS AFTER THE CONTRACTOR HAS BEEN NOTIFIED OF THE OUTAGE.

IN THE EVENT NEW SIGNALS ARE DAMAGED PRIOR TO ACCEPTANCE, ALL DAMAGED EQUIPMENT EXCEPT POLES AND CONTROL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK IN SERVICE WITHIN 8 HOURS AFTER THE CONTRACTOR'S NOTIFICATION OF THE OUTAGE. THE CONTRACTOR SHALL ARRANGE FOR FULL TRAFFIC CONTROL UNTIL THE SIGNAL IS BACK IN OPERATION.

IF POLES AND/OR CONTROL EQUIPMENT ARE DAMAGED AND MUST BE REPLACED, THE CONTRACTOR SHALL MAKE TEMPORARY REPAIRS AS NECESSARY TO BRING THE SIGNAL BACK INTO FULL OPERATION WITHIN THE ALLOWED 8-HOUR PERIOD, AND SHALL MAKE PERMANENT REPAIRS OR REPLACEMENT AS SOON THEREAFTER AS POSSIBLE.

NONE OF THE ABOVE SHALL BE CONSTRUED AS COLLECTIVE OR CONSECUTIVE OUTAGE TIME PERIODS AT ANY ONE LOCATION. THAT IS, WHERE MORE THAN ONE OUTAGE OCCURS AT ANY ONE LOCATION THEN THE ALLOTTED TIME LIMIT SHALL BE FOR THE WORST SINGLE OUTAGE.

WHERE OUTAGES ARE THE DIRECT RESULT OF A VEHICLE ACCIDENT THE RESPONSE OF THE CONTRACTOR SHALL BE AS OUTLINED ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTION OF ANY COMPENSATION FOR THIS WORK FROM THOSE PARTIES RESPONSIBLE FOR THE DAMAGE.

MAINTENANCE OF TRAFFIC SIGNAL/FLASHER INSTALLATION (CONTINUED)

WHERE THE CONTRACTOR HAS FAILED TO, OR CANNOT RESPOND TO, AN OUTAGE OR SIGNAL EQUIPMENT MALFUNCTION, AT THESE LOCATIONS WITHIN HIS RESPONSIBILITY, WITHIN PERIODS AS SPECIFIED ABOVE, THE ENGINEER MAY INVOKE THE PROVISIONS OF SECTION 105.15 AND ANY SUBSEQUENT BILLINGS TO THE STATE OR THE CITY OF _____ FOR POLICE SERVICES AND MAINTENANCE SERVICES BY CITY FORCES SHALL BE DEDUCTED FROM MONIES DUE OR TO BECOME DUE THE CONTRACTOR IN ACCORDANCE WITH PROVISIONS OF SECTION 105.15.

THE CONTRACTOR SHALL PROVIDE THE MAINTENANCE SERVICE ENTIRELY WITH HIS FORCES OR HE MAY CHOOSE TO ENTER INTO A COOPERATIVE UNDERSTANDING WITH THE LOCAL MAINTAINING AGENCY TO PROVIDE THE MAINTENANCE. THE CONTRACTOR SHALL INFORM THE ENGINEER, IN WRITING, OF THE MAINTENANCE METHOD SELECTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY TRAFFIC SIGNAL COMPONENTS REQUIRED TO BE HANDLED DURING THE RELOCATION OF POLES AND REVISIONS TO THE SIGNAL SYSTEM. WHEN A TRAFFIC SIGNAL MUST BE TAKEN OUT OF SERVICE BY THE CONTRACTOR, DUE TO CONSTRUCTION PROCEDURES, THIS OUTAGE SHALL NOT EXCEED _____ HOURS AND SHALL NOT INCLUDE THE HOURS OF _____ TO _____. ANY SIGNALIZED INTERSECTION, WHERE THE SIGNAL IS OUT OF SERVICE DUE TO CONSTRUCTION PROCEDURES, OR DUE TO AN OUTAGE OR MALFUNCTION OF EQUIPMENT AS DESCRIBED ABOVE, SHALL BE PROTECTED, BY THE CONTRACTOR, BY THE INSTALLATION OF TEMPORARY "STOP" SIGNS, EXCEPT FOR THE FOLLOWING INTERSECTIONS WHICH SHALL BE PROTECTED BY OFF-DUTY CITY OF _____ POLICE, HIRED BY THE CONTRACTOR:

1.

2.

3.

ANY VEHICULAR TRAFFIC SIGNAL HEAD, EITHER NEW OR EXISTING WHICH WILL BE OUT OF OPERATION SHALL BE COVERED IN THE MANNER DESCRIBED IN 632.25.

THE CONTRACTOR SHALL MAINTAIN COMPLETE RECORDS OF MALFUNCTIONS INCLUDING:

1. TIME OF NOTIFICATION OF MALFUNCTION;

2. TIME OF WORK CREWS ARRIVAL TO CORRECT THE MALFUNCTION;

3. ACTIONS TAKEN TO CORRECT THE MALFUNCTION, INCLUDING A LIST OF PARTS REPAIRED OR REPLACED;

4. A DIAGNOSIS OF REASON FOR THE MALFUNCTION AND PROBABILITY OF REOCCURRENCE;

5. TIME OF COMPLETION OF THE REPAIR AND SYSTEM RESTORED TO FULL SERVICE.

A COPY OF THESE RECORDS SHALL BE PROVIDED TO THE ENGINEER WITHIN THREE (3) WORKING DAYS FOLLOWING COMPLETION OF EACH REPAIR.

ALL COSTS RESULTING FROM THE ABOVE REQUIREMENTS SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

ADVANCE WORK ZONE INFORMATION

ADVANCE WORK ZONE INFORMATION SIGNS, AS USED IN THIS NOTE, ARE FIXED MESSAGE TYPES. THE SIGNS ARE TO BE LOCATED AT EXTREME DISTANCE FROM THE WORK AREA, AS SHOWN IN THE PLANS.

THE SIGNS SHALL BE BLACK ON ORANGE (INCLUDING A BLACK BORDER). THE LAYOUT SHALL BE IN CONFORMANCE WITH TEM CHAPTER 211.

WHEN REGULATORY INFORMATION IS PROVIDED, IT SHALL BE DISPLAYED SEPARATELY AS A STANDARD BLACK-ON-WHITE SIGN. MIXING OF BLACK-ON-WHITE REGULATORY INFORMATION ON A BLACK-ON-ORANGE INFORMATION SIGN IS PROHIBITED.

IF THE MOTORIST IS BEING DETOURED OR IF AN ALTERNATE ROUTE IS PROVIDED, THE ROUTE SHOULD BE SIGNED WITH ASSEMBLIES CONSISTING OF THE APPROPRIATE BLACK-ON-ORANGE DETOUR OR ALT MARKER WITH A STANDARD ROUTE MARKER AND ARROW PLATE. IF MORE TARGET VALUE IS DESIRED, THIS TRAIL BLAZER INFORMATION MAY BE SHOWN ON AN ORANGE PANEL (OMUTCD SECTION 2D.32).

ROUTE SIGN ASSEMBLIES SHALL BE SIZED ACCORDING TO THE TYPE OF ROAD ON WHICH THEY ARE LOCATED IN ACCORDANCE WITH THE OMUTCD.

SUPPORTS FOR SIGN INSTALLATIONS SHALL CONFORM TO ALL EXISTING STANDARDS FOR PERMANENT SIGNS. THESE SIGNS SHOULD NOT BE ATTACHED TO EXISTING SUPPORTS.

WHERE THE PLANS CALL FOR AN OVERLAY TO COVER A PORTION OF AN EXISTING SIGN, THE OVERLAY SHALL BE BLACK-ON-ORANGE. LETTER SIZES SHOULD BE THE SAME AS ON THE EXISTING SIGNS. WHEN LANE ARROWS ARE TO BE COVERED, A BLANK OVERLAY SHOULD BE PLACED OVER EACH OF THE AFFECTED ARROWS. WHEN A RAMP IS BEING CLOSED, RATHER THAN USING A BLANK OVERLAY TO COVER THE ENTIRE SIGN, THE LEGEND "EXIT CLOSED" (W20-H15) SHOULD BE USED ON A DIAGONAL OVERLAY (LOWER LEFT TO UPPER RIGHT) ON THE SIGN. THE SIZE OF LETTERING ON OVERLAYS AND THE SIZE OF THE OVERLAY ARE INDICATED IN THE PLANS. THE MINIMUM LETTER SIZE FOR THE DIAGONAL "EXIT CLOSED" (W20-H15) OVERLAY SHALL BE 12" C.

ALL ADVANCE WORK ZONE INFORMATION SIGN INSTALLATIONS LOCATED OUTSIDE OF THE PROJECT WORK LIMITS SHALL BE PAID FOR UNDER APPROPRIATE 630 ITEMS (SIGNS, SUPPORTS, CONCRETE, BREAKAWAY CONNECTION, OVERLAYS, REMOVALS, ETC.).

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN A NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP)

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

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ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS (CONTINUED)

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING THE SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE _____ HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITING OF ALL

TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	4 CALENDAR DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

SEQUENCE OF OPERATIONS:

ORDER OF ROUNDABOUT CONSTRUCTION SHALL BE AS FOLLOWS:
1. HUNT RD AT KROGER ENTRANCE, SEE SHEETS 39 - 53
2. HUNT RD AND PLAINFIELD RD, SEE SHEETS 54 - 69
3. PLAINFIELD RD AND PEPPERMILL LN, SEE SHEETS 70 - 92

NOTE FOR ALL PHASES: ELIMINATE PAVEMENT MARKINGS AND/OR SIGNAGE FROM EXISTING OR PRIOR PHASES THAT CONFLICT WITH PROPOSED WORK OR TRAFFIC PATTERNS.

HUNT RD AT KROGER ENTRANCE ROUNDABOUT SEQUENCE OF OPERATIONS:

PHASE 1, SEE SHEETS 39 - 41. CONSTRUCT TEMPORARY PAVEMENT AND DRAINAGE STRUCTURES ON THE SOUTH SIDE OF HUNT RD.

PHASE 2, SEE SHEETS 42-44. SHIFT TRAFFIC ONTO TEMPORARY PAVEMENT AND CONSTRUCT PAVEMENT, CURB, WALK, AND TEMPORARY PAVEMENT ON THE NORTH SIDE OF HUNT RD. MAINTAIN BUSINESS ACCESS THROUGH THE DRIVE NEAR MCDONALDS.

PHASE 2A, SEE SHEET 45. ADJUST TRAFFIC TO CONSTRUCT THE SHOWN WORK.

PHASE 3, SEE SHEETS 46 - 48. CLOSE BUSINESS ACCESS DRIVE NEAR MCDONALDS. SHIFT TRAFFIC ONTO PAVEMENT CONSTRUCTED IN PHASE 2. CONSTRUCT PAVEMENT AND CURB AND REMOVE TEMPORARY PAVEMENT TO LIMITS SHOWN. CONSTRUCT ACCESS DRIVE AT MCDONALDS, WITHOUT CENTER MEDIAN.

PHASE 3A, SEE SHEETS 49 - 50. OPEN BUSINESS ACCESS DRIVE NEAR MCDONALDS. SHIFT TRAFFIC BETWEEN ROUNDABOUT AND ACCESS DRIVE NORTH TO CONSTRUCT PAVEMENT, CURB, AND DRAINAGE AND REMOVE TEMPORARY PAVEMENT TO LIMITS SHOWN.

PHASE 3B, SEE SHEET 51. ADJUST TRAFFIC TO CONSTRUCT THE SHOWN WORK.

PHASE 4, SEE SHEET 52. OPEN ROUNDABOUT. CONSTRUCT SPLITTER ISLAND FOR EAST AND NORTH LEGS WITH 4' BUFFER UNDER TRAFFIC WITH DRUMS.

PHASE 4A, SEE SHEET 53. CONSTRUCT MEDIAN FOR BUSINESS ACCESS DRIVE NEAR MCDONALDS, REMOVE TEMPORARY PAVEMENT, CONSTRUCT WALK, AND CURB AT ROUNDABOUT WITH 4' BUFFER UNDER TRAFFIC WITH DRUMS.

HUNT RD AND PLAINFIELD RD ROUNDABOUT SEQUENCE OF OPERATIONS:

HUNT RD AND PLAINFIELD RD ROUNDABOUT CONSTRUCTION SHALL BE FORMED DURING OFF-PEAK HOURS, OUTSIDE OF MONDAY THRU FRIDAY 7:00 AM - 6:00 PM HOURS.

PHASE 1, SEE SHEETS 54 - 57. SHIFT TRAFFIC SOUTH ON HUNT RD ON TEMPORARY PAVEMENT RESERVED FROM CONSTRUCTION OF HUNT RD AT KROGER ENTRANCE ROUNDABOUT. CONSTRUCT PAVEMENT, CURB, DRAINAGE, AND TEMPORARY PAVEMENT ON NORTH SIDE OF PROPOSED HUNT RD.

PHASE 2, SEE SHEETS 58 - 61. SET UP TEMPORARY BUSINESS ACCESS DRIVE AS SHOWN FOR BUSINESSES ON THE SOUTH SIDE OF HUNT RD. SHIFT TRAFFIC NORTH ONTO PAVEMENT CONSTRUCTED IN PHASE 1. CONSTRUCT NEW BUSINESS ACCESS DRIVE. REMOVE EXISITNG PAVEMENT ADJACENT TO DRIVE. EXTEND PAVEMENT MARKINGS ON PLAINFIELD RD FOR RELOCATED TRAFFIC SIGNAL.

PHASE 3, SEE SHEETS 0 - 56. SHIFT TRAFFIC ON PLAINFIELD RD WEST TO CONSTRUCT PAVEMENT, CURB, AND TEMPORARY PAVEMENT ON EAST SIDE OF PLAINFIELD RD. OPEN NEW BUSINESS ACCESS DRIVE ON HUNT RD. CONSTRUCT CURB AND REMOVE PAVEMENT AT TEMPORARY BUSINESS ACCESS DRIVE.

PHASE 4, SEE SHEETS 66 - 69. SHIFT TRAFFIC ON PLAINFIELD RD EAST TO CONSTRUCT PAVEMENT AND CURB EAST SIDE OF PLAINFIELD RD.

PHASE 5. CONSTRUCT SPLITTER ISLAND UNDER TRAFFIC FOR EAST AND WEST LEGS WITH 4' BUFFER UNDER TRAFFIC WITH DRUMS.

PHASE 5A. CONSTRUCT SPLITTER ISLAND ON SOUTH AND NORTH LEGS WITH 4' BUFFER UNDER TRAFFIC WITH DRUMS.

PHASE 5B. CONSTRUCT CENTER ISLAND WITH 4' BUFFER UNDER TRAFFIC WITH DRUMS. MAINTAIN ALL DIRECTIONS OF TRAFFIC LIMITING SHORT-TERM CLOSURES TO 15 MINUTE INTERVALS. REMOVE TRAFFIC SIGNAL AND EQUIPMENT. REQUESTS FOR ANY FURTHER ROAD CLOSURES/MOVEMENT RESTRICTIONS SHALL BE SUBMITTED TO ENGINEER AND CITY FOR APPROVAL.

PLAINFIELD RD AND PEPPERMILL LN ROUNDABOUT SEQUENCE OF OPERATIONS:

MAINTAIN PEDESTRIAN ACCESS THROUGH ALL PHASES OF CONSTRUCTION AS SHOWN ON SHEETS 36 - 37.

PHASE 1, SEE SHEETS 70 - 74. SHIFT TRAFFIC EAST ON REED HARTMAN HWY AND SOUTH ON PLAINFIELD RD TO CONSTRUCT TEMPORARY PAVEMENT, DRAINAGE, AND WALK.

PHASE 2, SEE SHEETS 75 - 80. CLOSE PEPPERMILL LN AND ERECT DETOUR SIGNAGE, AS SHOW ON SHEET 38. SHIFT TRAFFIC ONTO TEMPORARY PAVEMENT AND CONSTRUCT EAST SIGN OF REED HARTMAN HWY AND SOUTH SIDE OF PLAINFIELD RD.

PHASE 2A, SEE SHEETS 81 - 83. CONSTRUCT PAVEMENT AND CURB ON THE EAST SIDE OF PLAINFIELD RD.

PHASE 2B, SEE SHEETS 84 - 94. CONSTRUCT PAVEMENT ON PLAINFIELD RD AND REED HARTMAN HWY DURING OFF-PEAK HOURS, OUTSIDE OF MONDAY THRU FRIDAY 7:00 AM - 6:00 PM.

PHASE 3, SEE SHEETS 87 - 92. SHIFT TRAFFIC TO EAST SIDE OF PLAINFIELD RD AND REED HARTMAN HWY TO CONSTRUCT PAVEMENT ON WEST SIDE.

PHASE 3A, SEE SHEETS 93 - 94. SHIFT TRAFFIC ON PLAINFIELD RD SOUTH TO CONSTRUCT PAVEMENT AND CURB ON THE NORTH SIDE.

PHASE 4. CONSTRUCT SPLITTER ISLAND UNDER TRAFFIC FOR EAST AND WEST LEGS WITH 4' BUFFER UNDER TRAFFIC WITH DRUMS.

PHASE 4A. CONSTRUCT SPLITTER ISLAND ON SOUTH AND NORTH LEGS WITH 4' BUFFER UNDER TRAFFIC WITH DRUMS.

PHASE 4B. CONSTRUCT CENTER ISLAND WITH 4' BUFFER UNDER TRAFFIC WITH DRUMS. MAINTAIN ALL DIRECTIONS OF TRAFFIC LIMITING SHORT-TERM CLOSURES TO 15 MINUTE INTERVALS. REQUESTS FOR ANY FURTHER ROAD CLOSURES/MOVEMENT RESTRICTIONS SHALL BE SUBMITTED TO ENGINEER AND CITY FOR APPROVAL. REMOVE TRAFFIC SIGNAL AND EQUIPMENT.

CALCULATED CML CHECKED JS

MAINTENANCE OF TRAFFIC GENERAL NOTES

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 6:59:52 AM
7/14/2020
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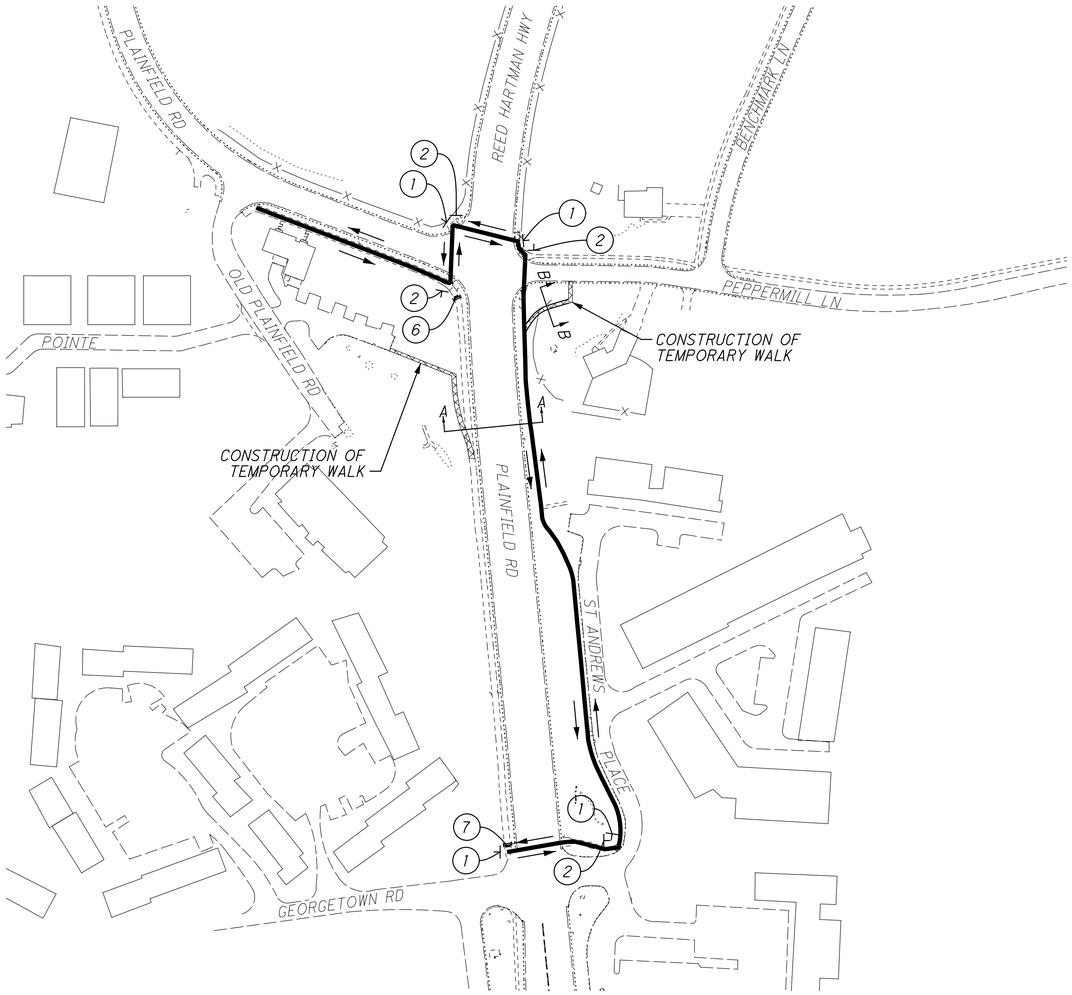
PHASE 1



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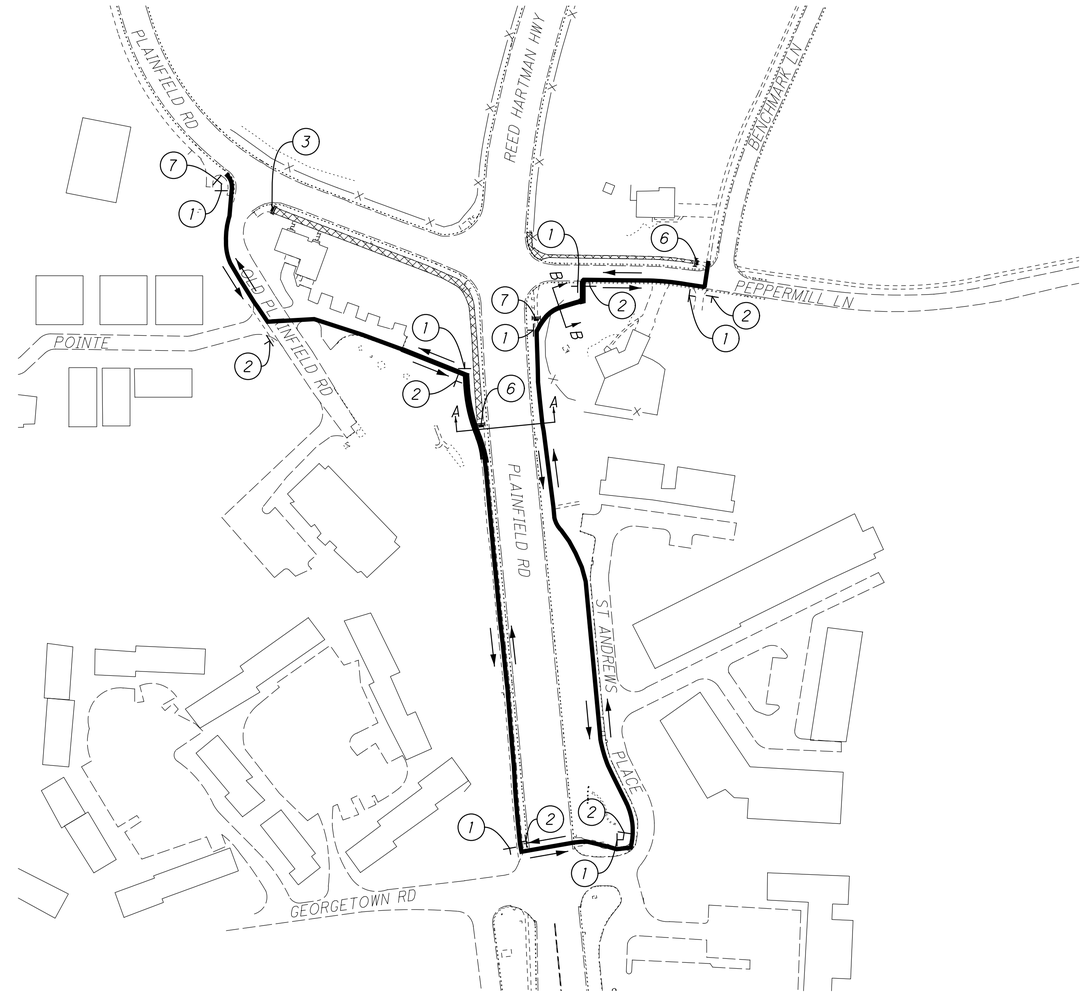
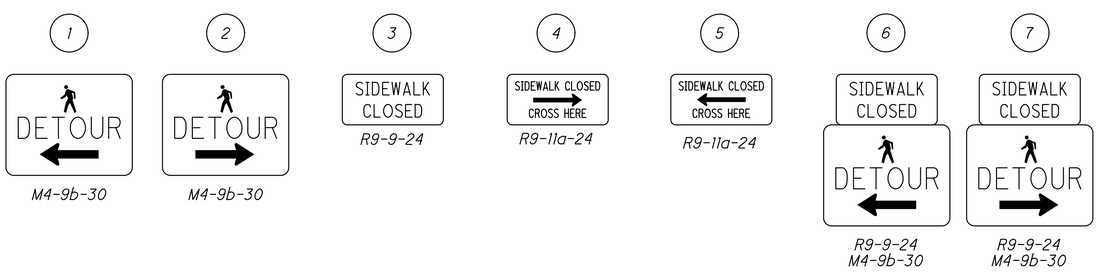
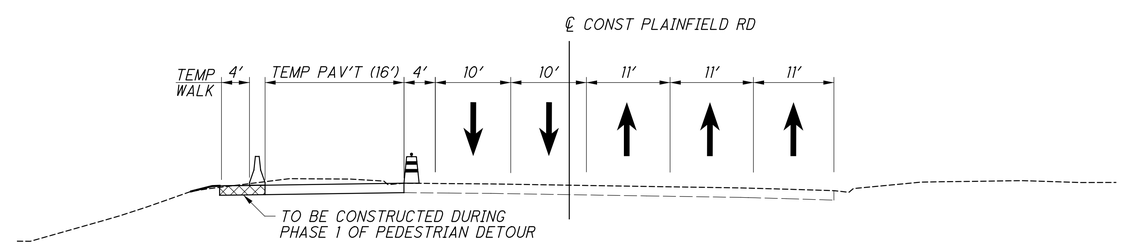
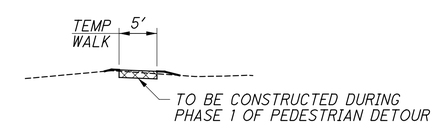


WORK AREA





SECTION A-A



SECTION B-B

HORIZONTAL SCALE IN FEET

CALCULATED LZS
CHECKED JS

MAINTENANCE OF TRAFFIC DETOUR PLAN
PEDESTRIAN DETOUR - PHASES 1 & 2

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 1/14/2020 6:59:56 AM
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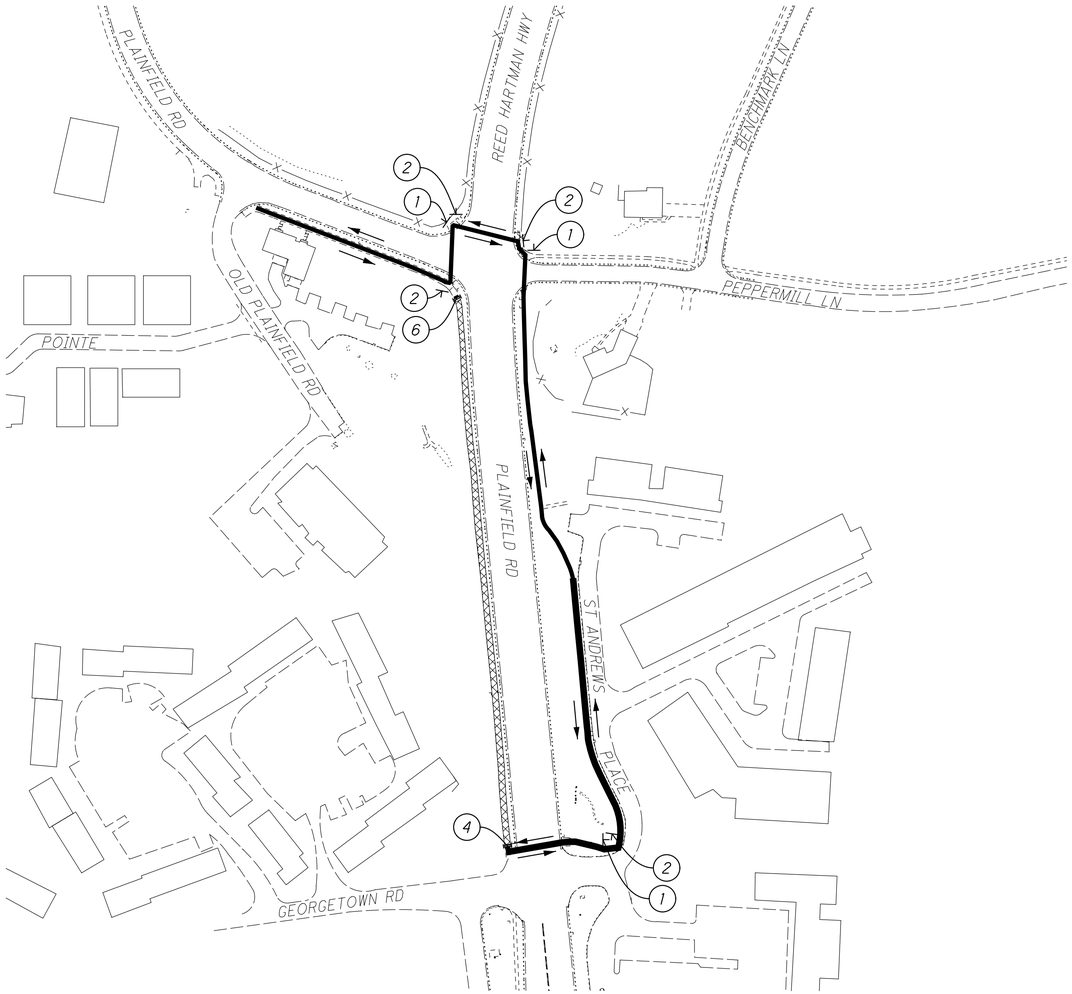
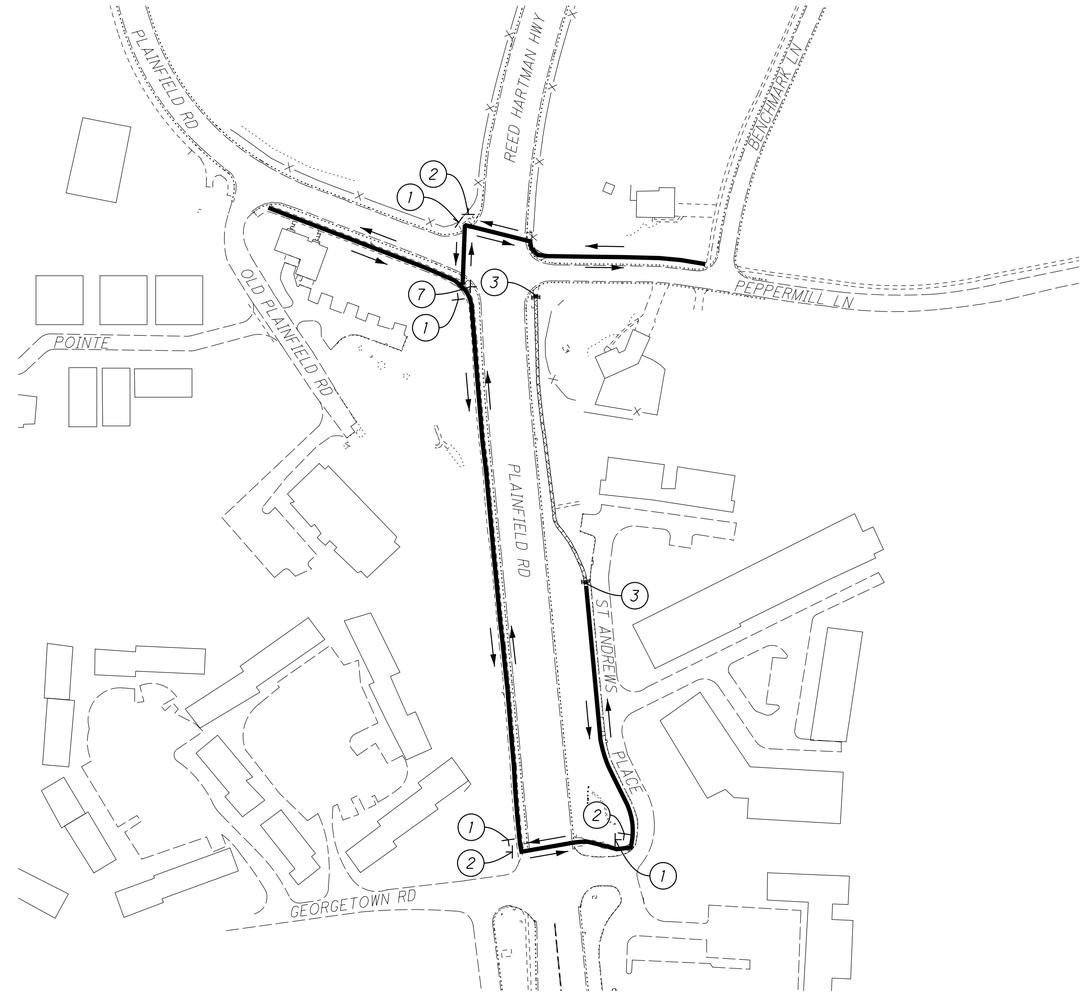
PHASE 3



PHASE 4



WORK AREA

1 — DETOUR — M4-9b-30

2 — DETOUR — M4-9b-30

3 — SIDEWALK CLOSED — R9-9-24

4 — SIDEWALK CLOSED CROSS HERE — R9-11a-24

5 — SIDEWALK CLOSED CROSS HERE — R9-11a-24

6 — SIDEWALK CLOSED / DETOUR — R9-9-24, M4-9b-30

7 — SIDEWALK CLOSED / DETOUR — R9-9-24, M4-9b-30

HORIZONTAL SCALE IN FEET

CALCULATED LZS
CHECKED JS

MAINTENANCE OF TRAFFIC DETOUR PLAN
PEDESTRIAN DETOUR - PHASES 3 & 4

HAM-PLAINFIELD RD ROUNDABOUTS

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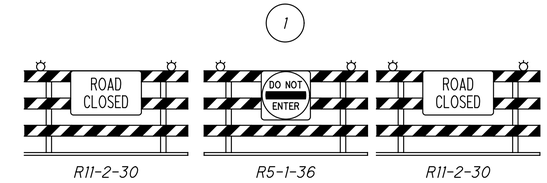
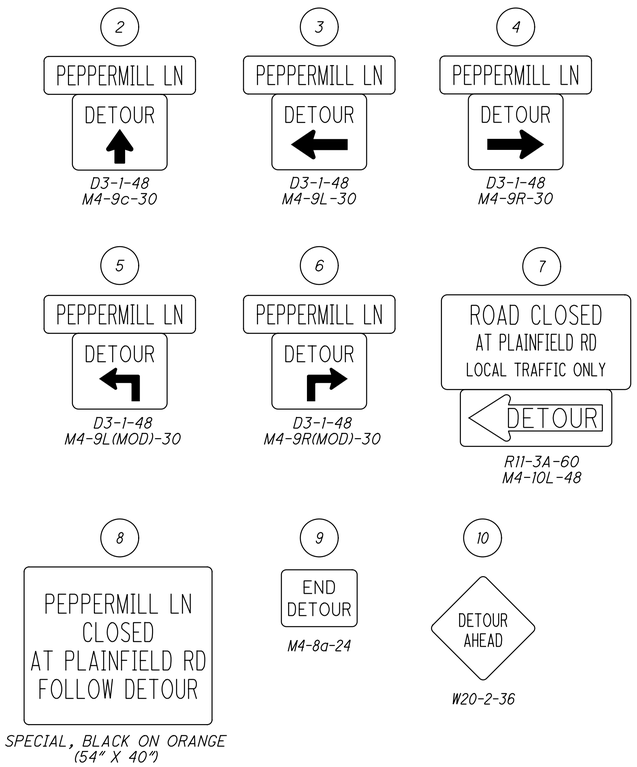


10' TYPE 3 BARRICADES (SOLID ACROSS STREET)



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HORIZONTAL SCALE IN FEET
0 100 200 400

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC DETOUR PLAN
PEPPERMILL LANE

HAM-PLAINFIELD RD ROUNDABOUTS

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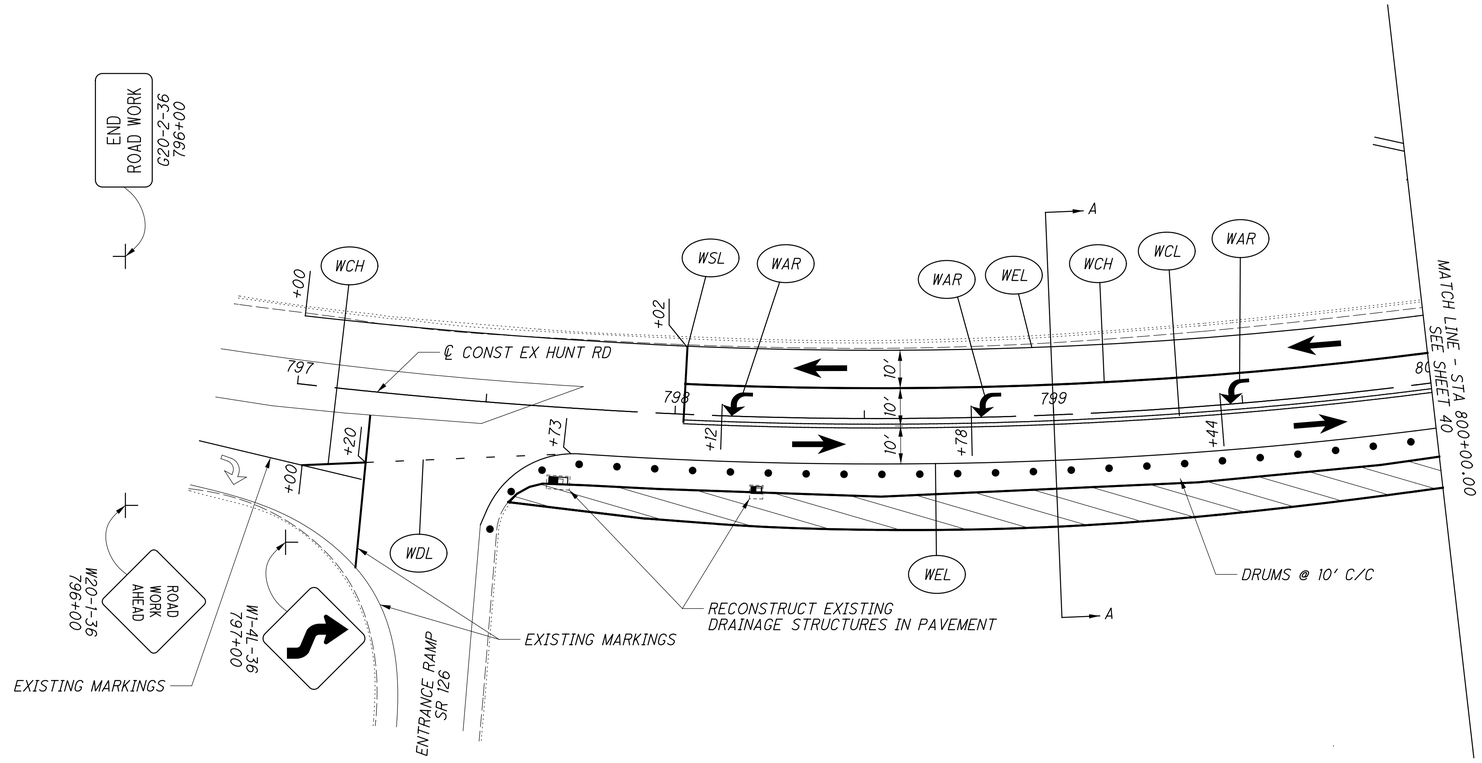

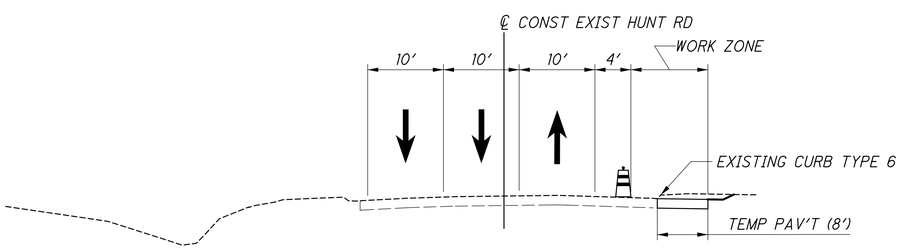

SECTION A-A
STA 799+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE
→	TRAFFIC PATTERN
	WORK AREA
	TEMPORARY PAVEMENT CONSTRUCTION
	TYPE III BARRICADE
SMC ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
• • •	MOT DRUMS

N

0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 1

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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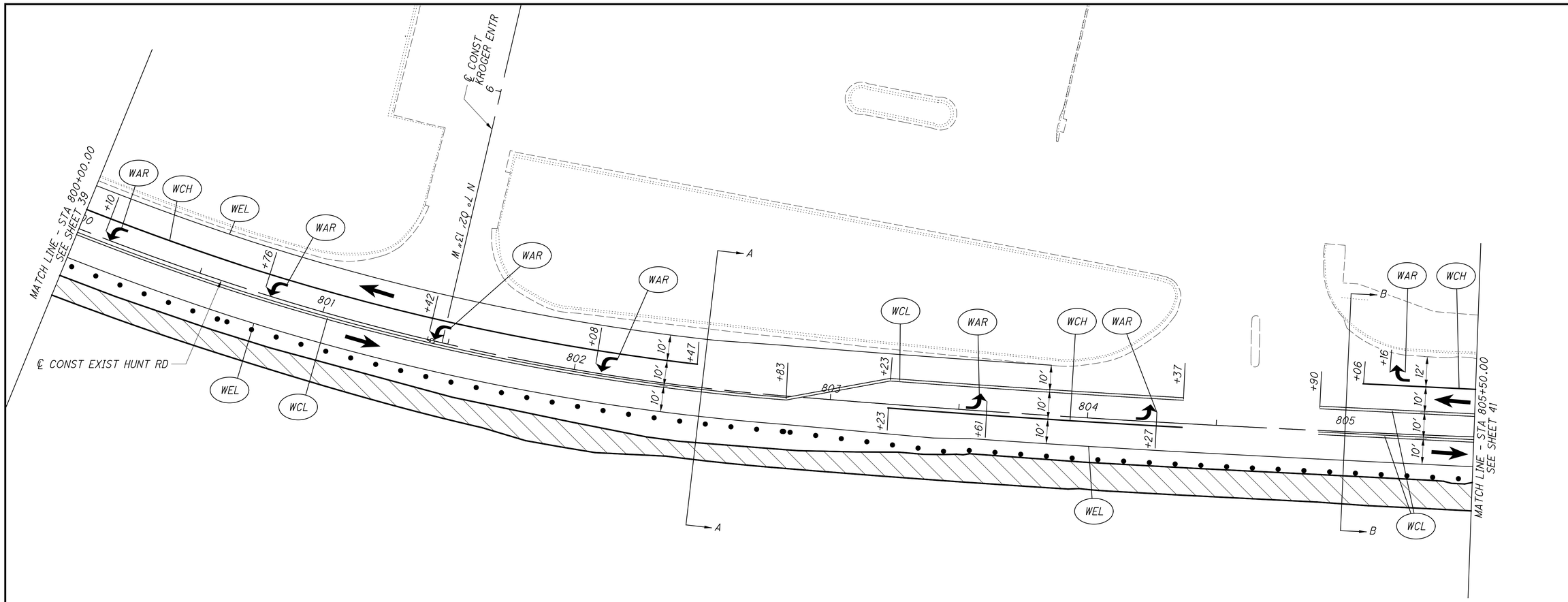
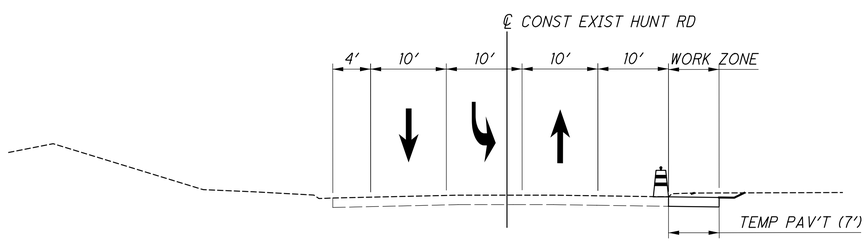
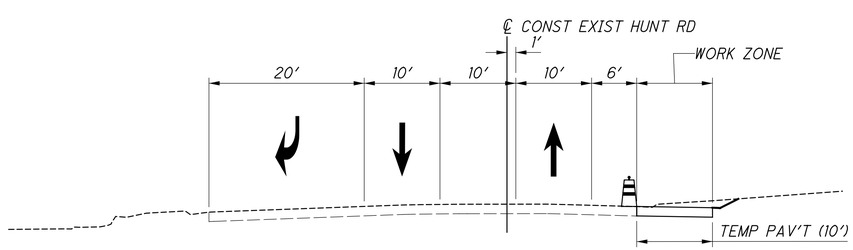




SECTION A-A
STA 802+50.00



SECTION B-B
STA 805+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 1

HAM-PLAINFIELD RD ROUNDABOUTS

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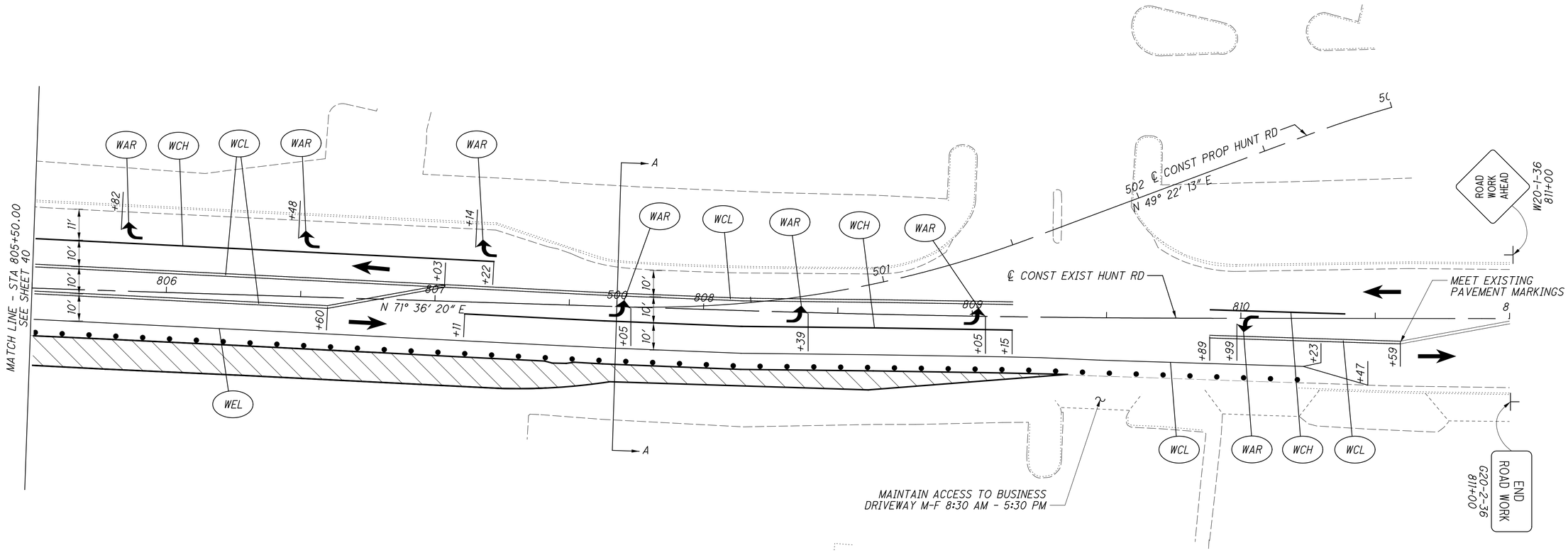

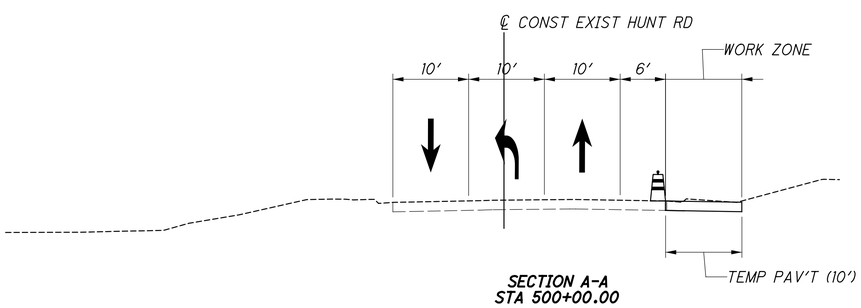

SECTION A-A
STA 500+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 1

HAM-PLAINFIELD RD ROUNDABOUTS

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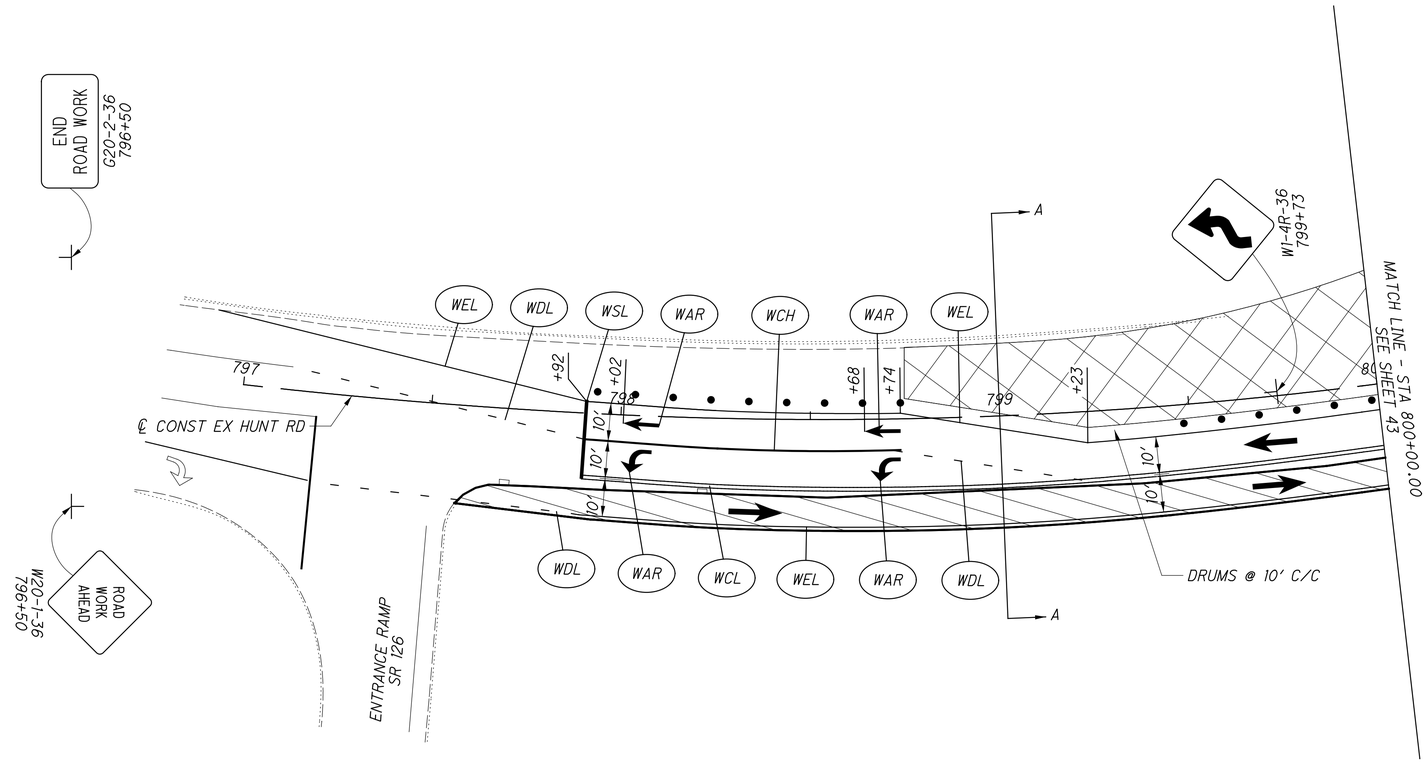

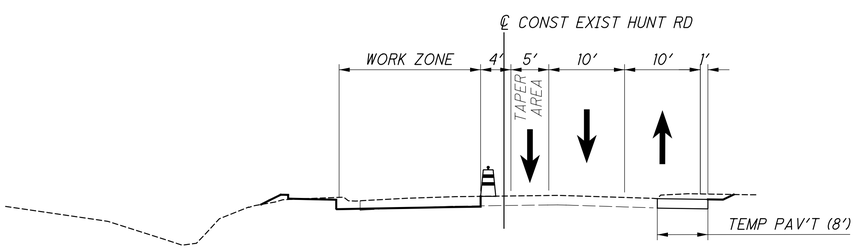

SECTION A-A
STA 799+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 2

HAM-PLAINFIELD RD ROUNDABOUTS

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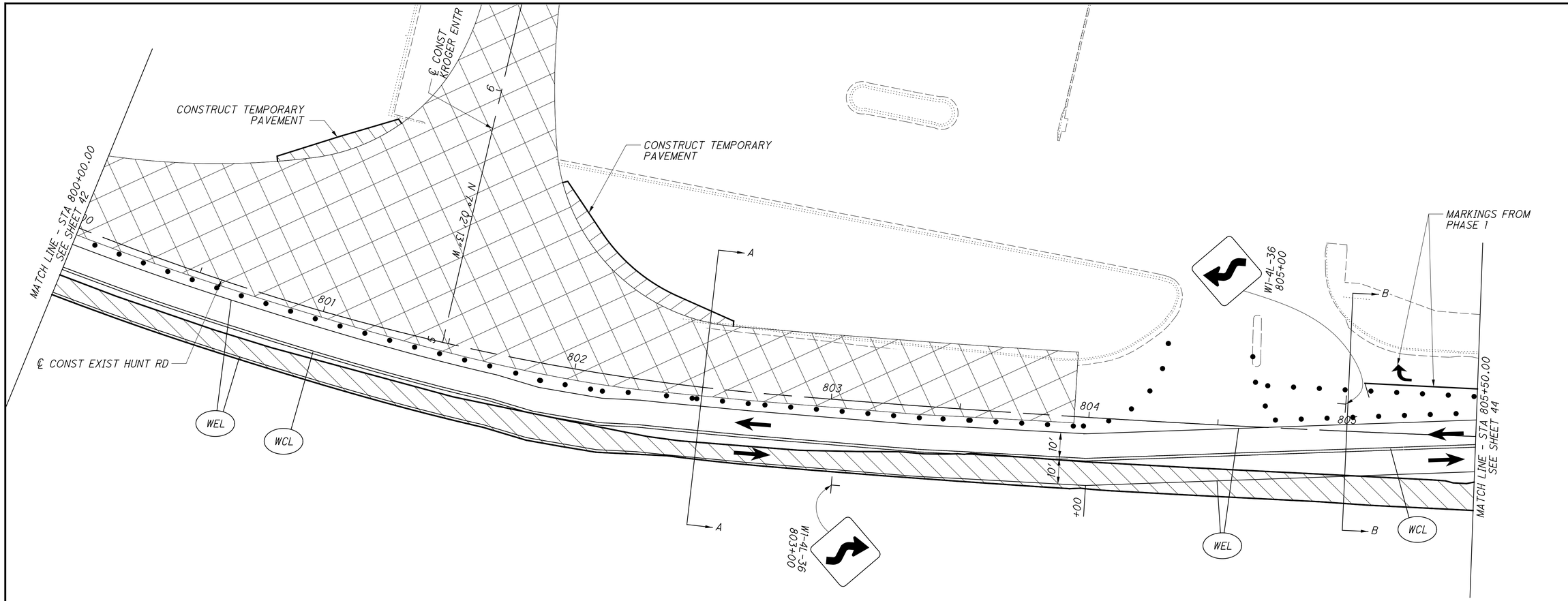
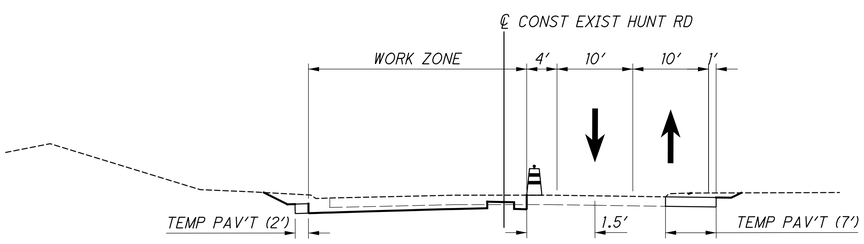
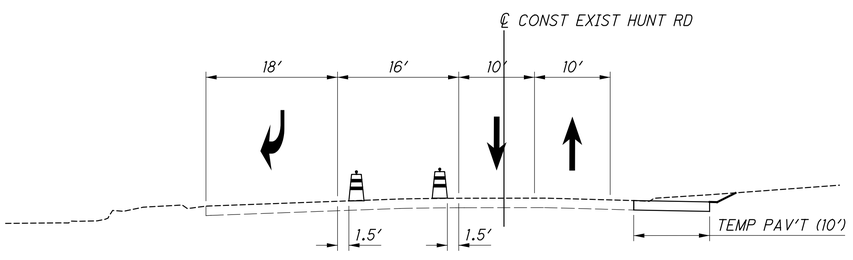




SECTION A-A
STA 802+50.00



SECTION B-B
STA 805+00.00

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE	• • •	MOT DRUMS
WEL	WORK ZONE EDGE LINE		

N

0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 2

HAM-PLAINFIELD RD ROUNDABOUTS

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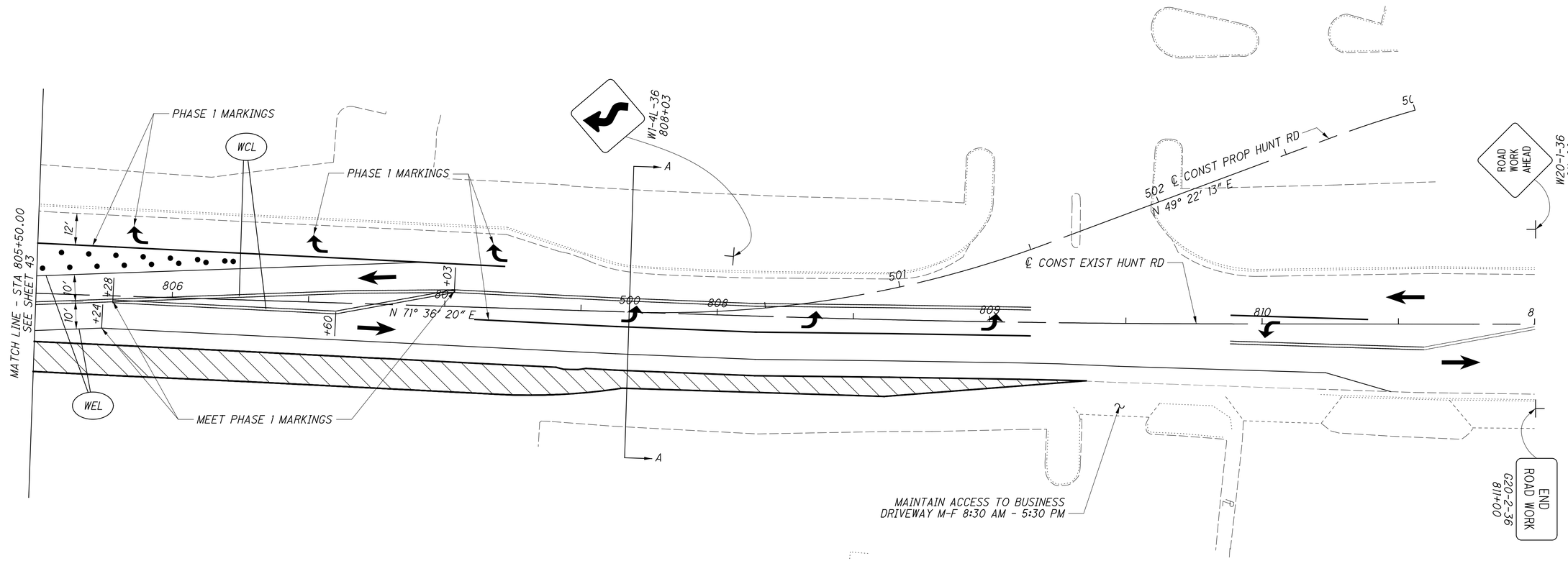

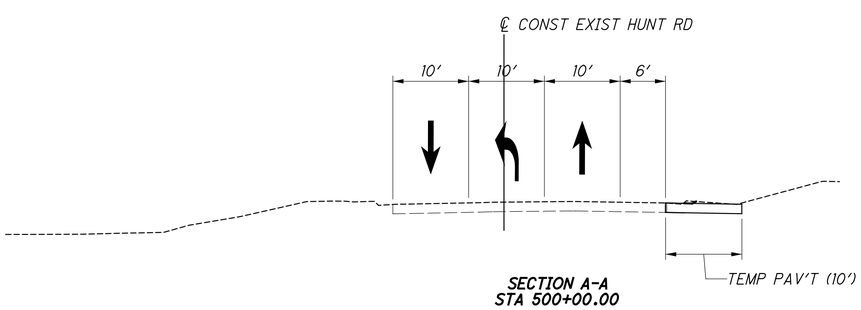

SECTION A-A
STA 500+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 2

HAM-PLAINFIELD RD ROUNDABOUTS

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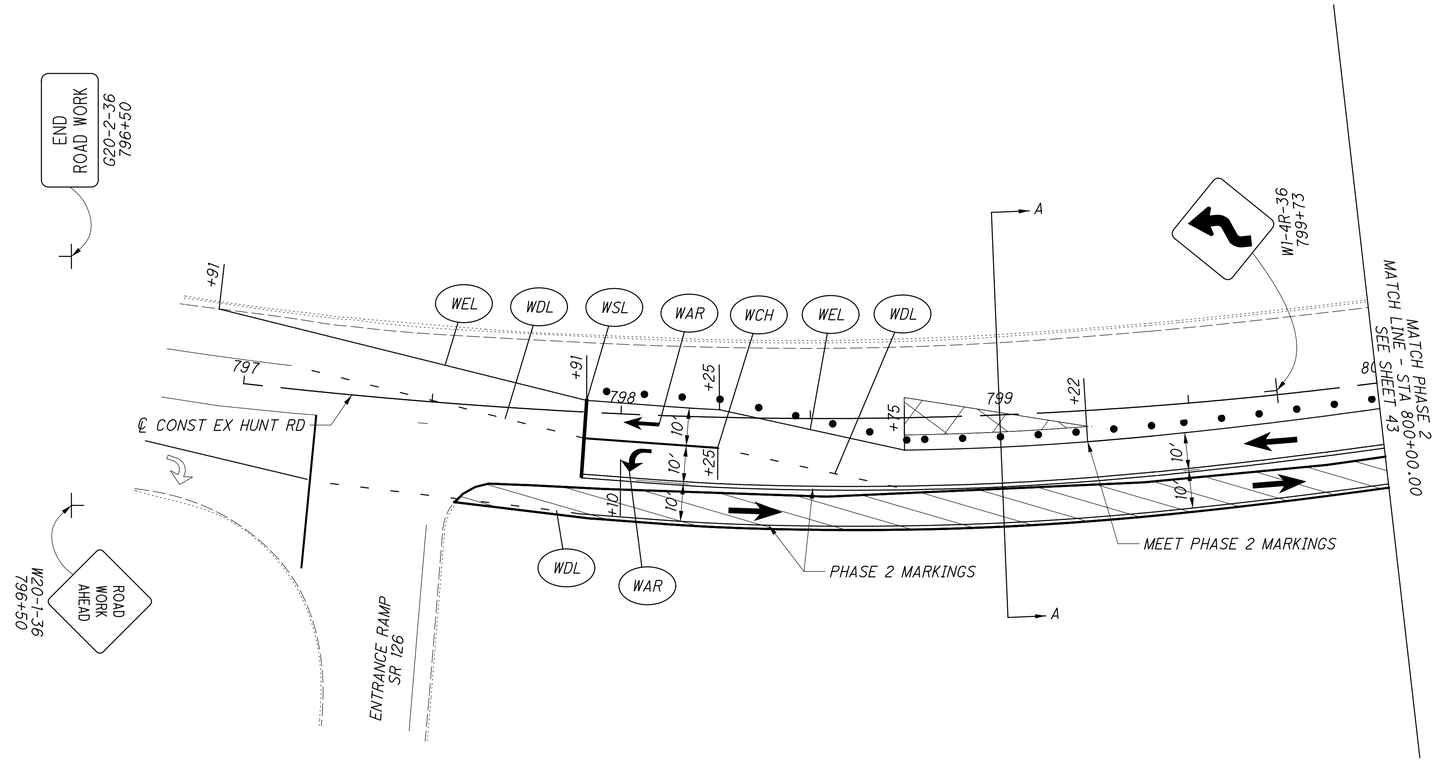

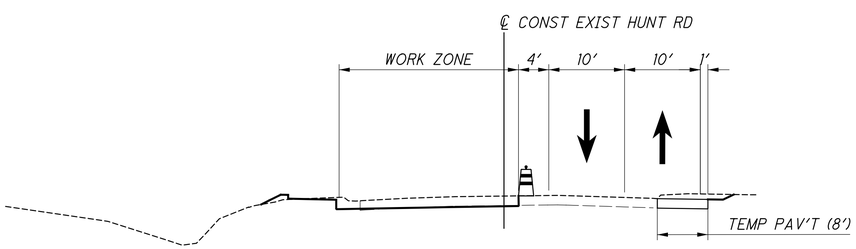

SECTION A-A
STA 799+00.00

NOTE: PHASE 2A WORK TO BE PERFORMED IN DESCRIBED CONFIGURATION TO COMPLETE WORK FROM STATION 798+75 TO 799+22. MATCHLINE AT 800+00 TO PRIOR PHASE 2 WORK.

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	SMC ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE	• • •	MOT DRUMS
WEL	WORK ZONE EDGE LINE		

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 2A

HAM-PLAINFIELD RD ROUNDABOUTS

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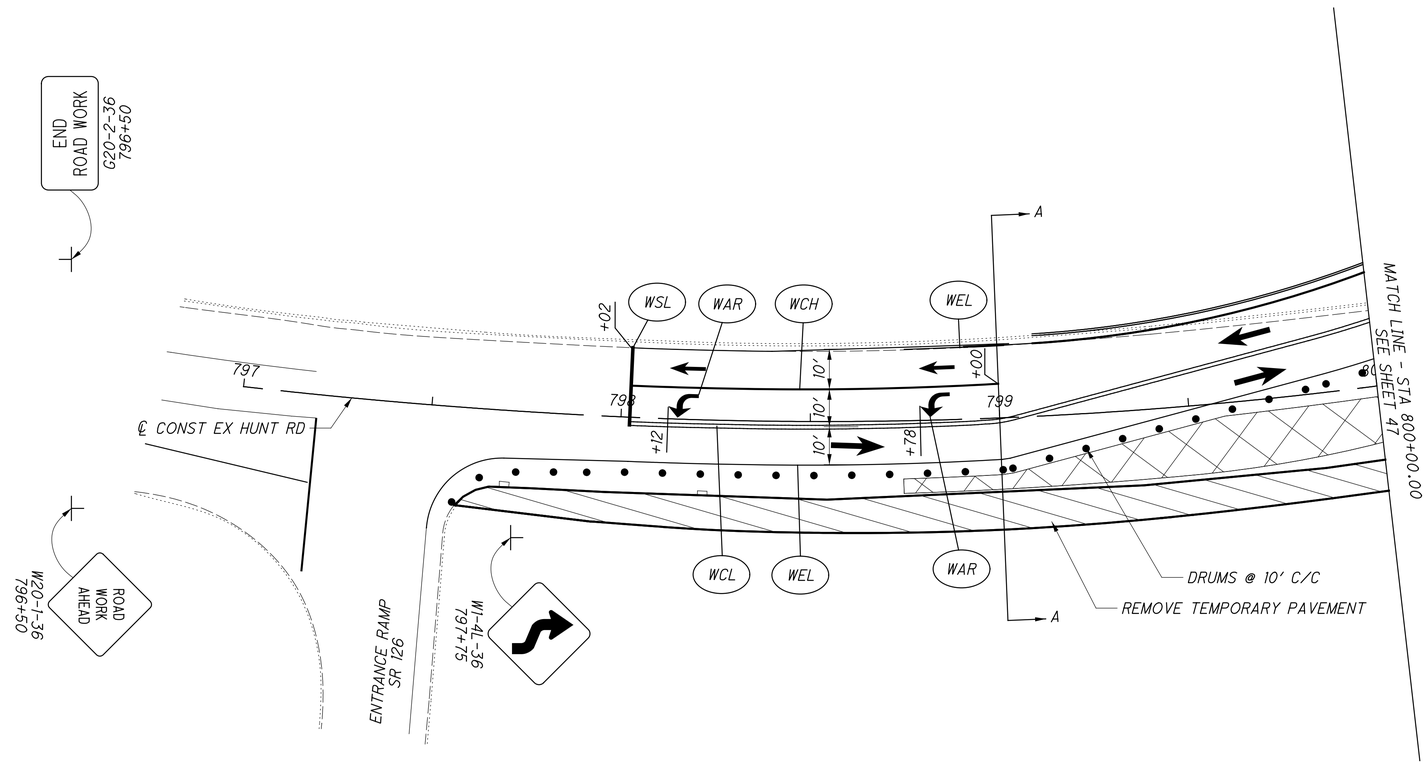

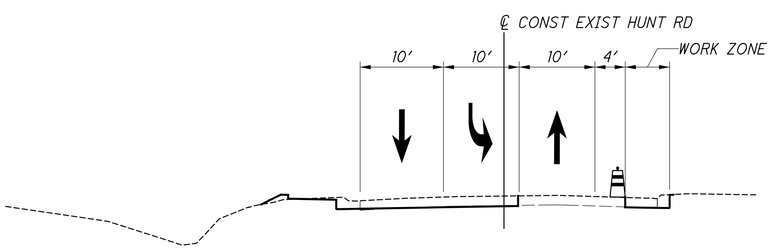

SECTION A-A
STA 799+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 3

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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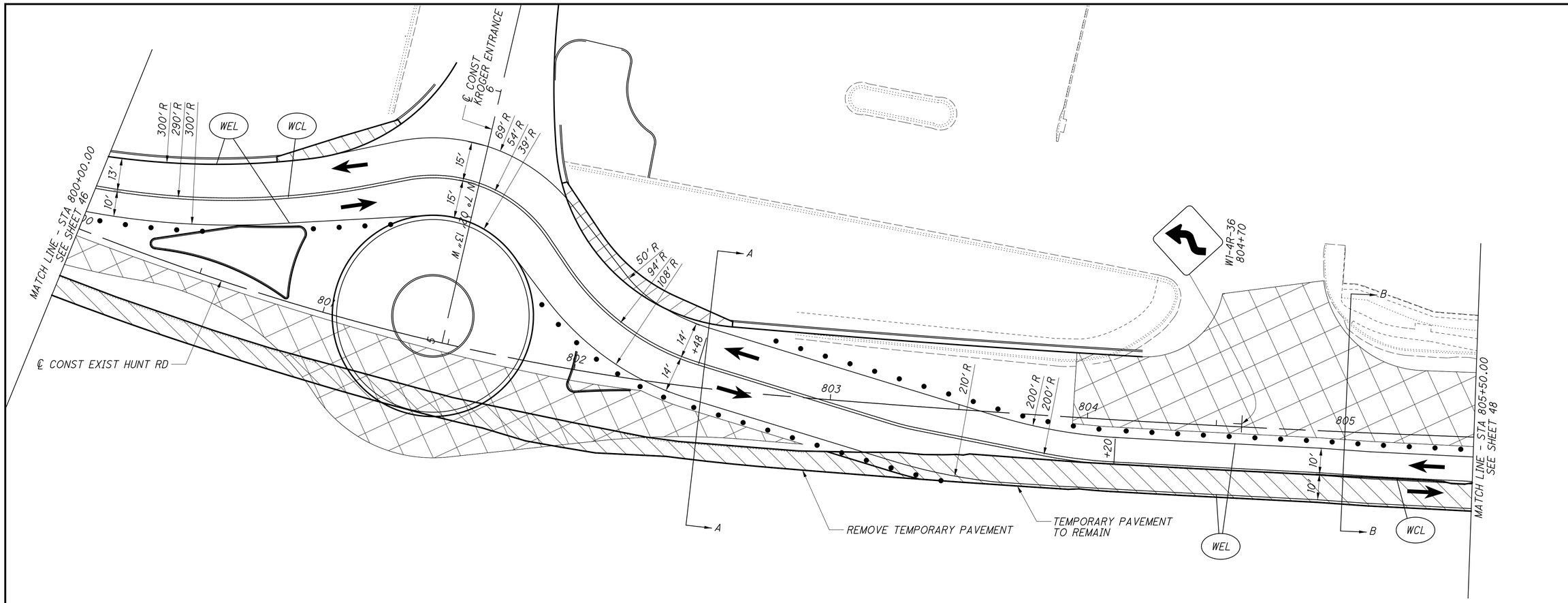
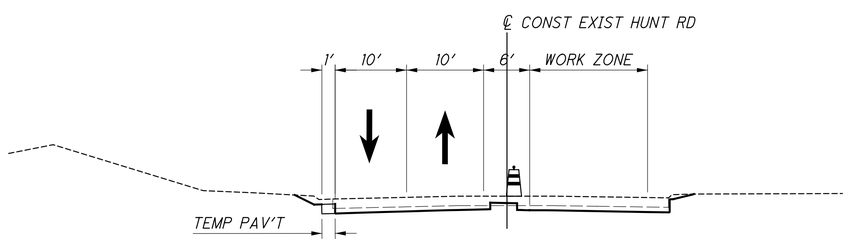
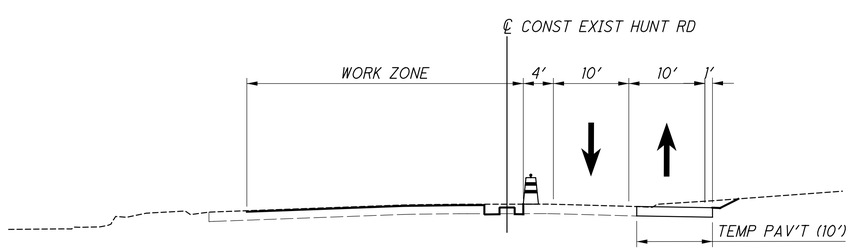




SECTION A-A
STA 802+50.00



SECTION B-B
STA 805+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 3

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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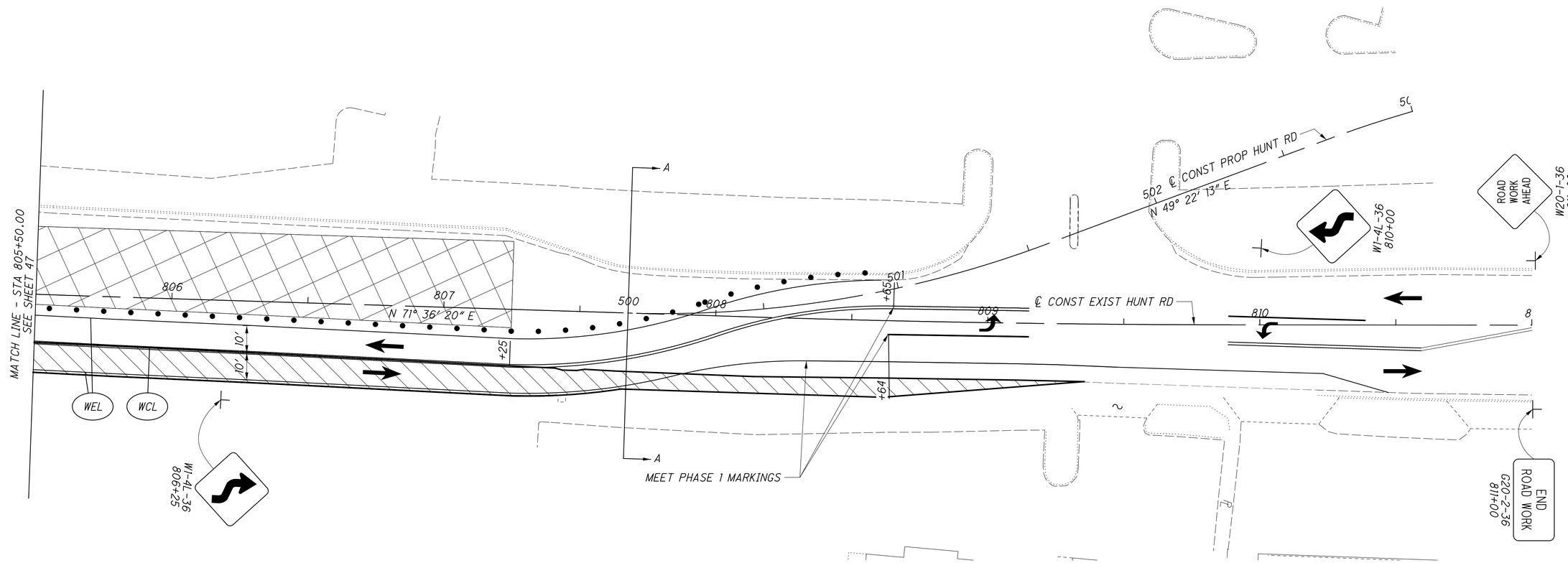

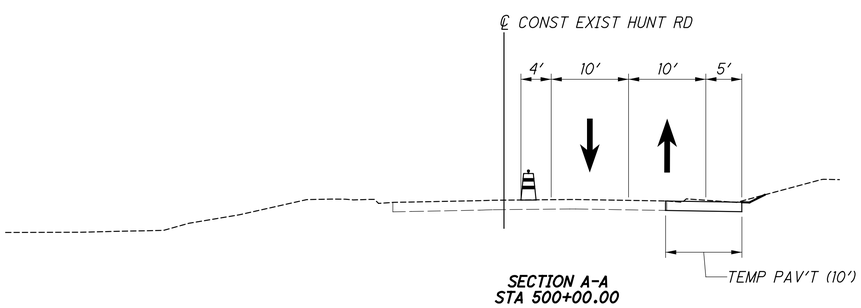

SECTION A-A
STA 500+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 3

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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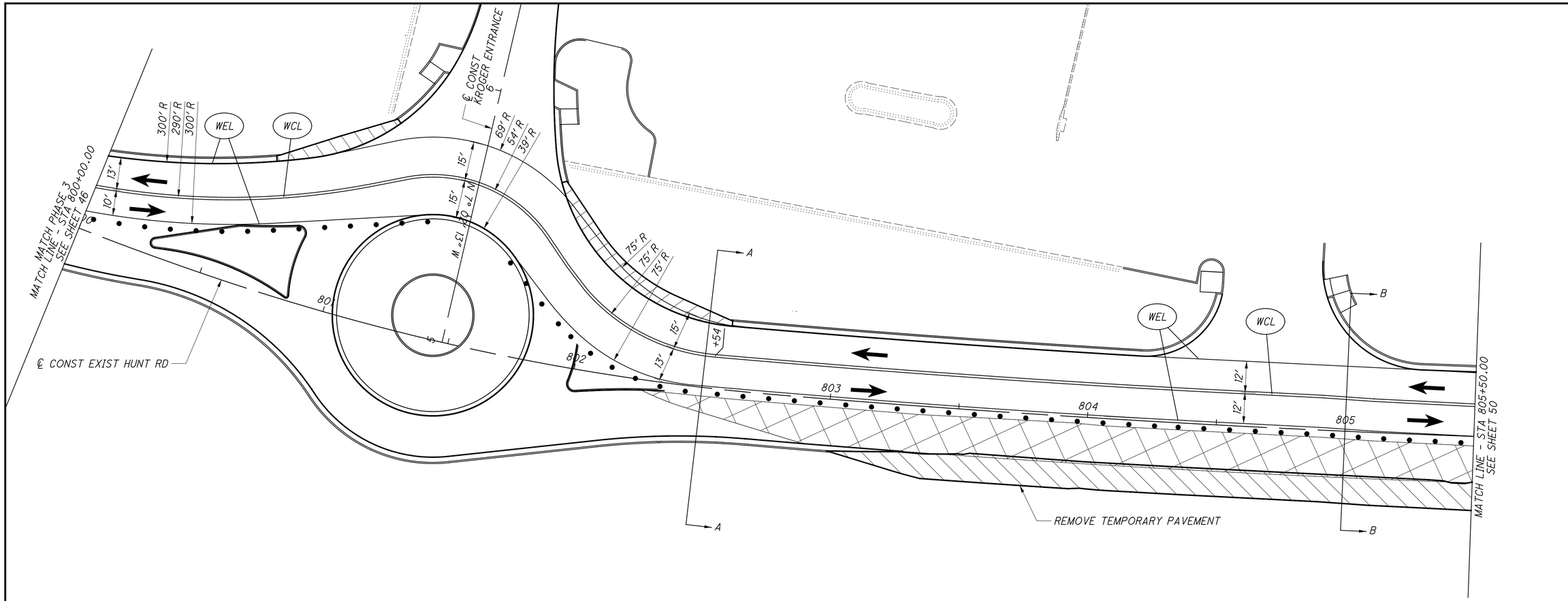
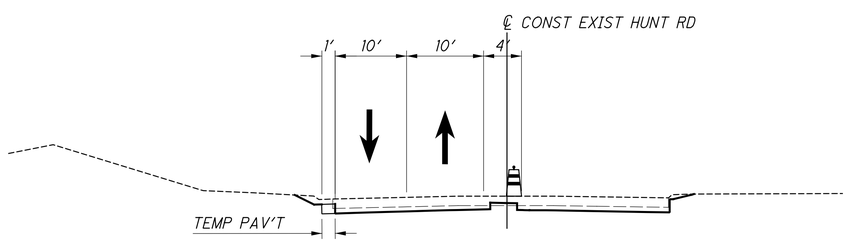
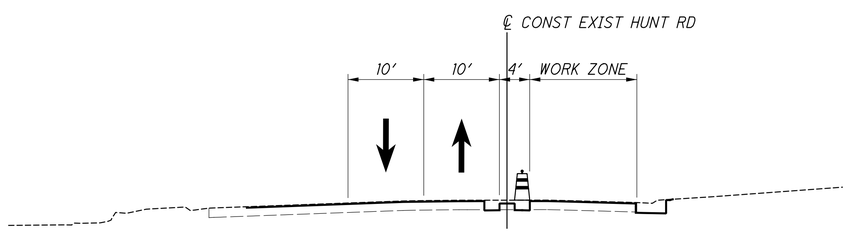




SECTION A-A
STA 802+50.00



SECTION B-B
STA 805+00.00

NOTE: PHASE 3A WORK TO BE PERFORMED IN DESCRIBED CONFIGURATION TO COMPLETE WORK FROM STATION 802+25 TO 807+25. MATCHLINE AT 800+00 TO PRIOR PHASE 3 WORK.

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE	• • •	MOT DRUMS
WEL	WORK ZONE EDGE LINE		

N

0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 3A

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:00:19 AM
10/14/2020
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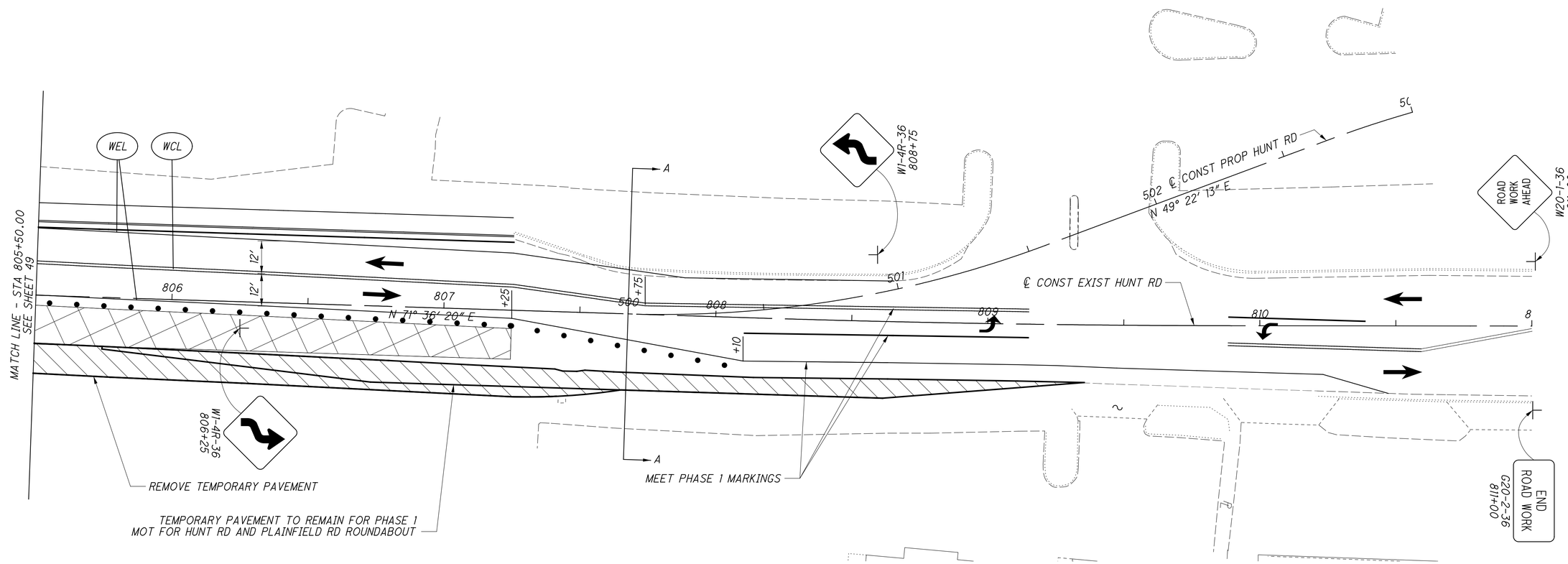

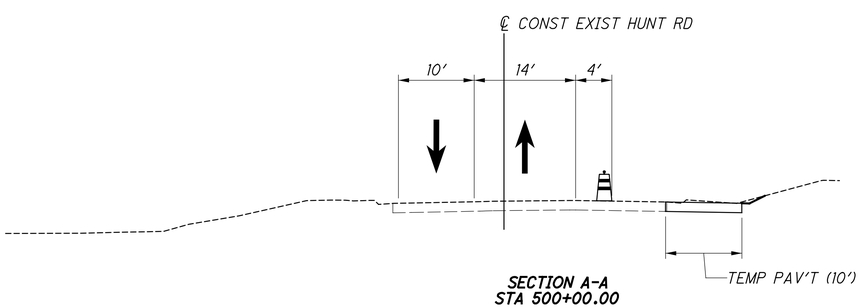

SECTION A-A
STA 500+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 3A

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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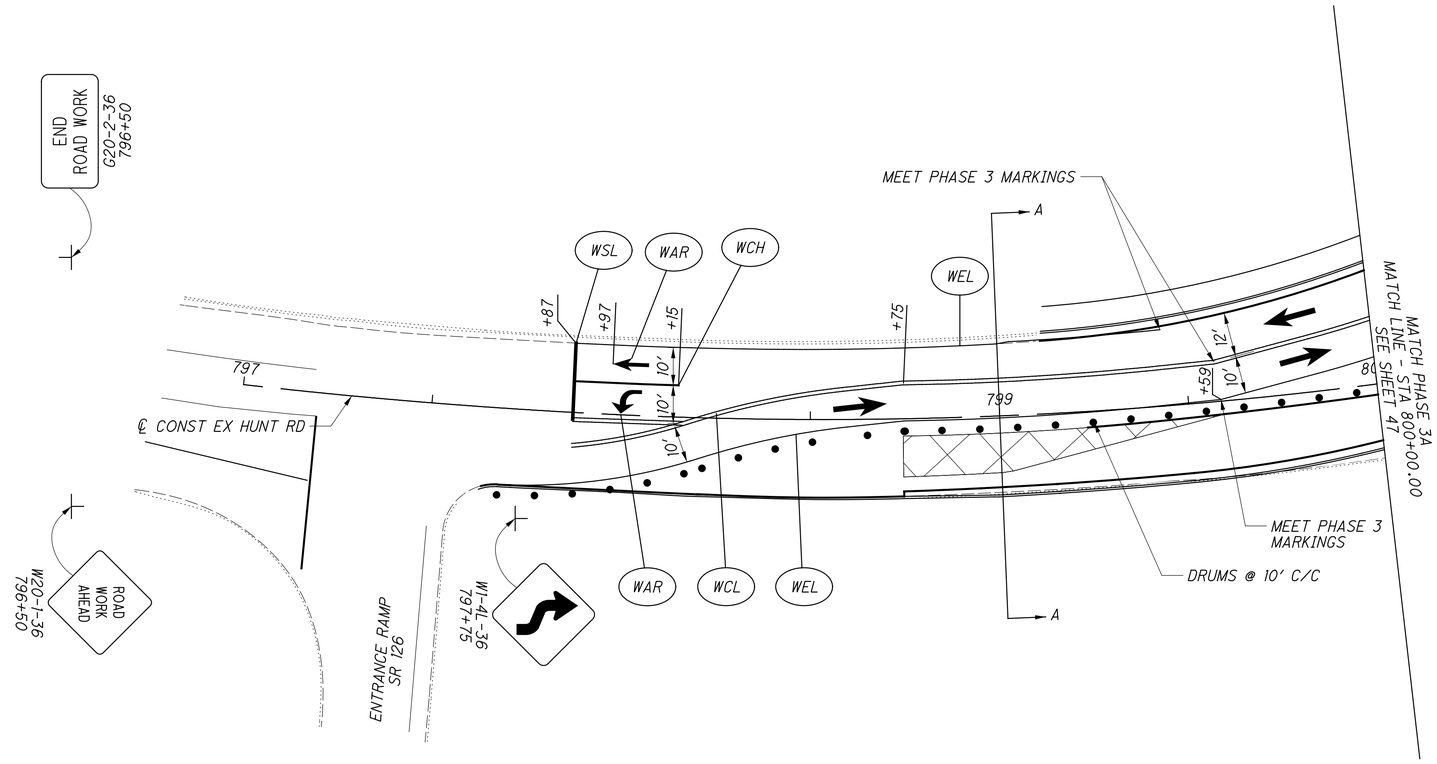
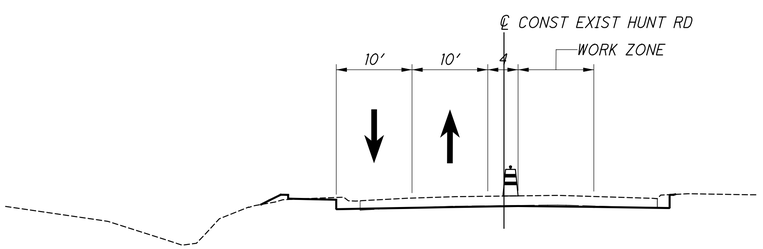


NOTE: PHASE 3B WORK TO BE PERFORMED IN DESCRIBED CONFIGURATION TO COMPLETE WORK FROM STATION 798+75 TO 799+60. MATCHLINE AT 800+00 TO PRIOR PHASE 3A WORK.

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE		COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE		MOT DRUMS
WEL	WORK ZONE EDGE LINE		



SECTION A-A
STA 799+00.00

N

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 3B

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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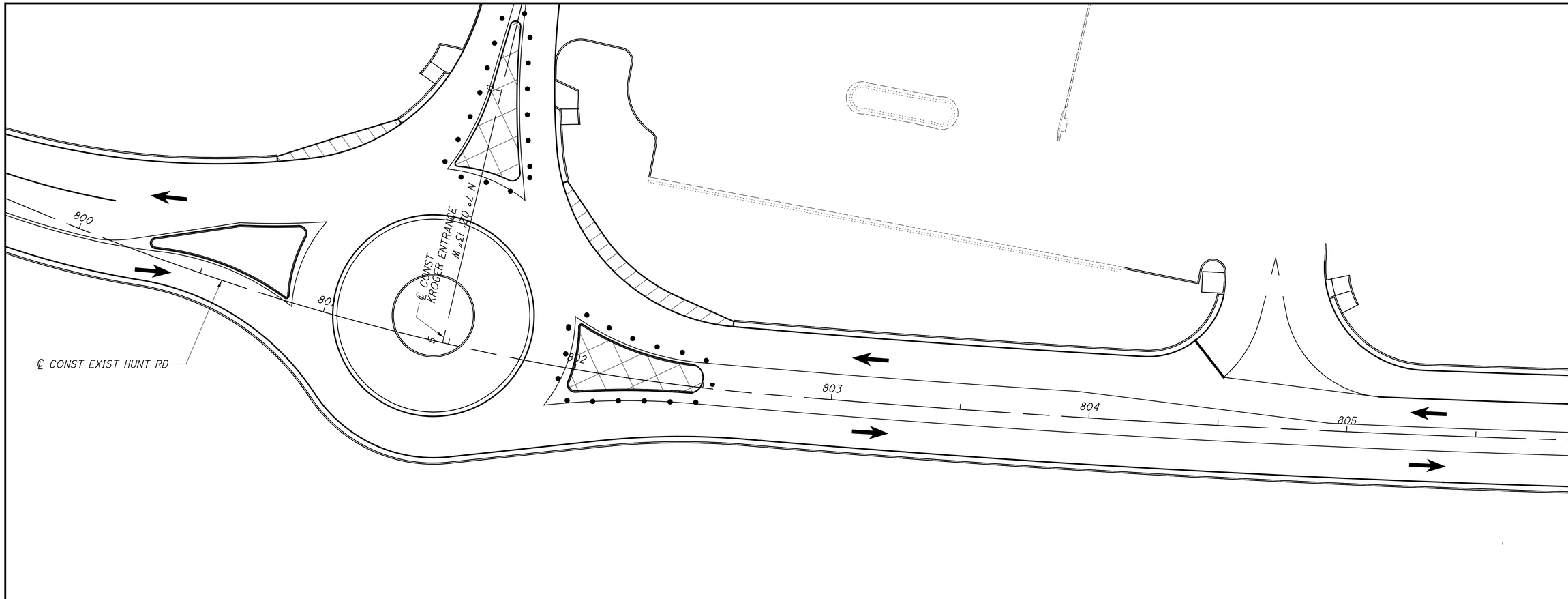

NOTE: ROUNDABOUT FUNCTIONAL AFTER PHASE 3 CONSTRUCTION ACTIVITIES. CONSTRUCT PROPOSED PAVEMENT MARKINGS.

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE	• • •	MOT DRUMS
WEL	WORK ZONE EDGE LINE		

N

0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 4

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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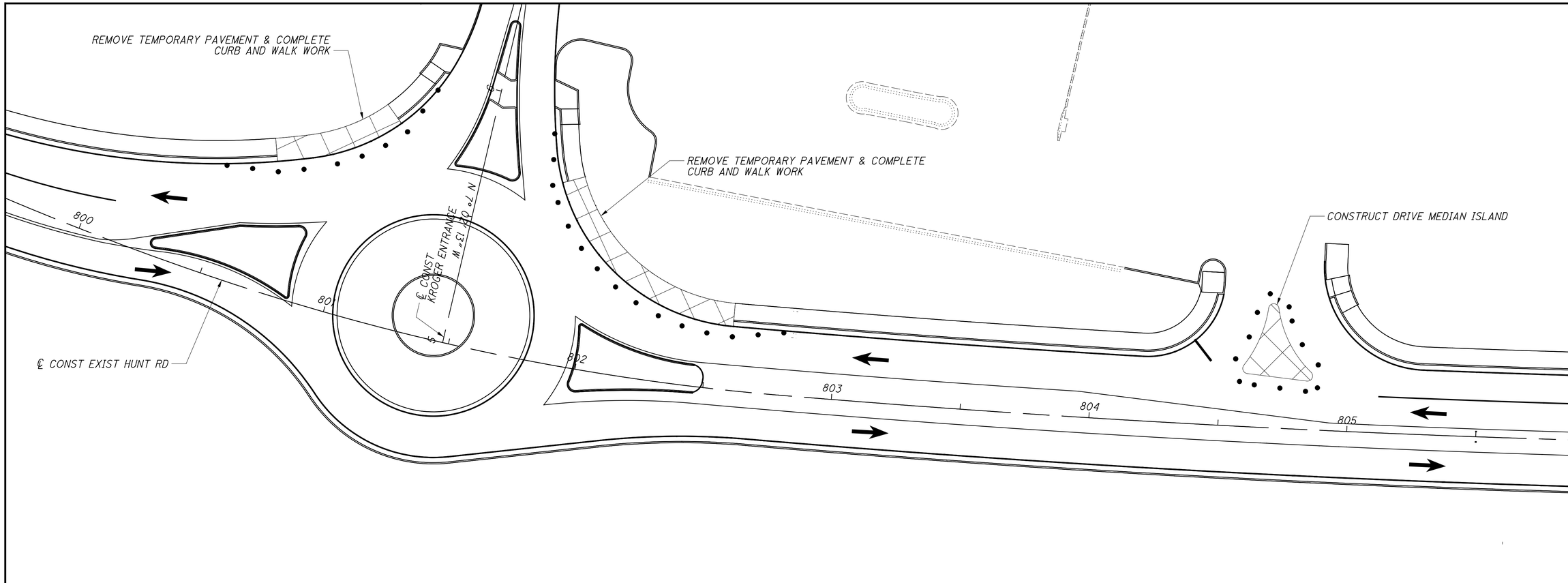

NOTE: ROUNDABOUT FUNCTIONAL AFTER PHASE 3 CONSTRUCTION ACTIVITIES.

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE	• • •	MOT DRUMS
WEL	WORK ZONE EDGE LINE		

N

0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
HUNT RD - PHASE 4A

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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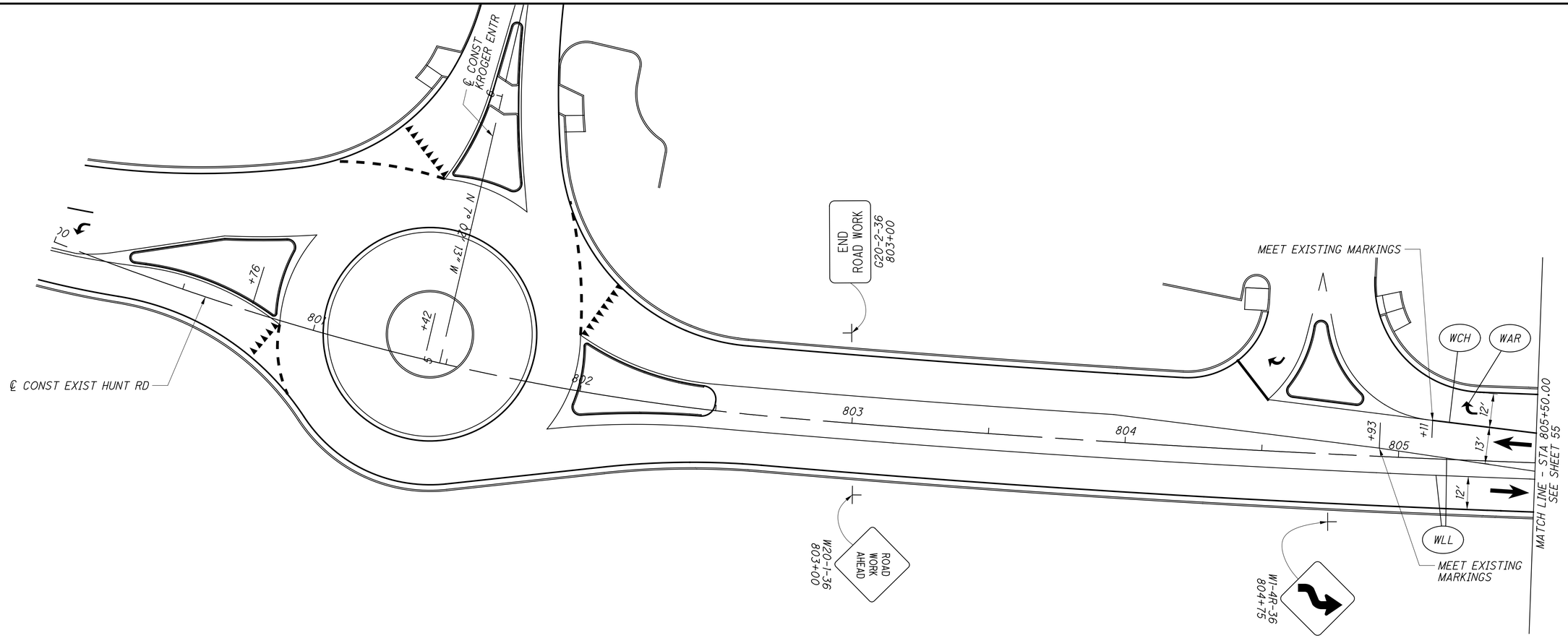

NOTE: HUNT RD ROUNDABOUT AT KROGER ENTRANCE CONSTRUCTION SHALL BE OPERATIONAL PRIOR TO BEGINNING PLAINFIELD RD & HUNT RD ROUNDABOUT CONSTRUCTION ACTIVITIES.

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE		
WEL	WORK ZONE EDGE LINE	• • •	MOT DRUMS

N

0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 1

HAM-PLAINFIELD RD ROUNDABOUTS

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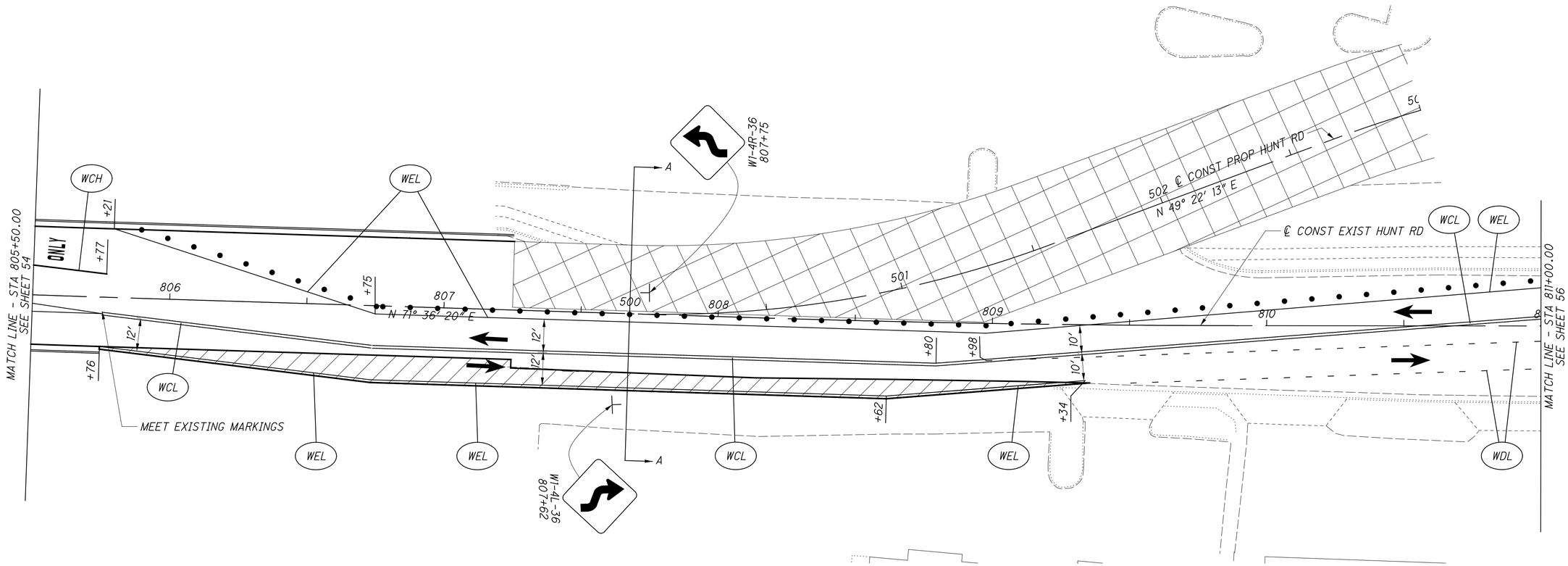

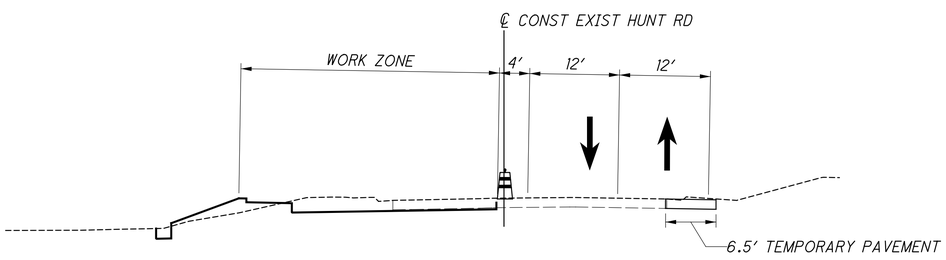

SECTION A-A
STA 500+00.00

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE		MOT DRUMS
WEL	WORK ZONE EDGE LINE		

N

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 1

HAM-PLAINFIELD RD ROUNDABOUTS

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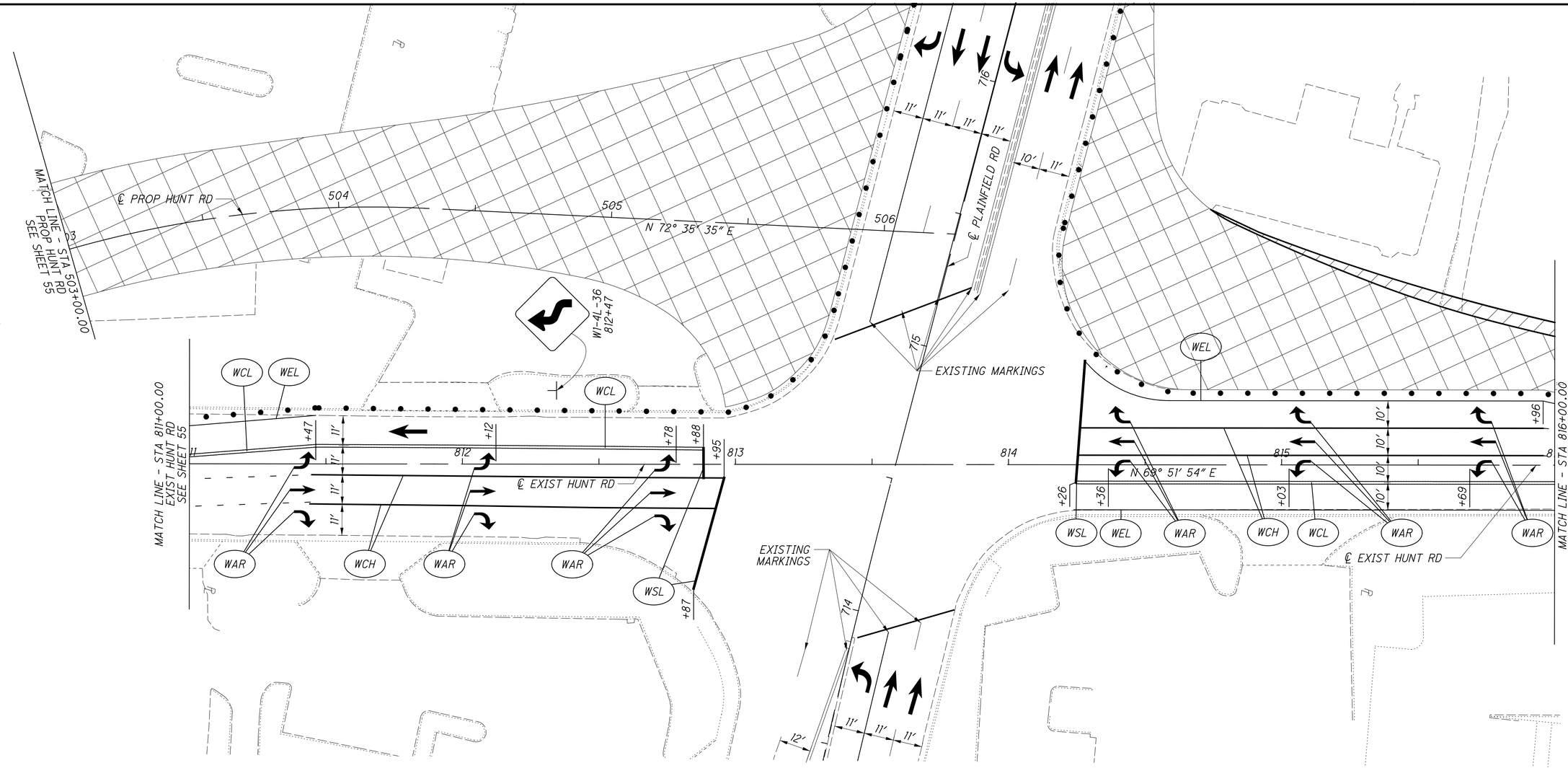

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 1

HAM-PLAINFIELD RD ROUNDABOUTS

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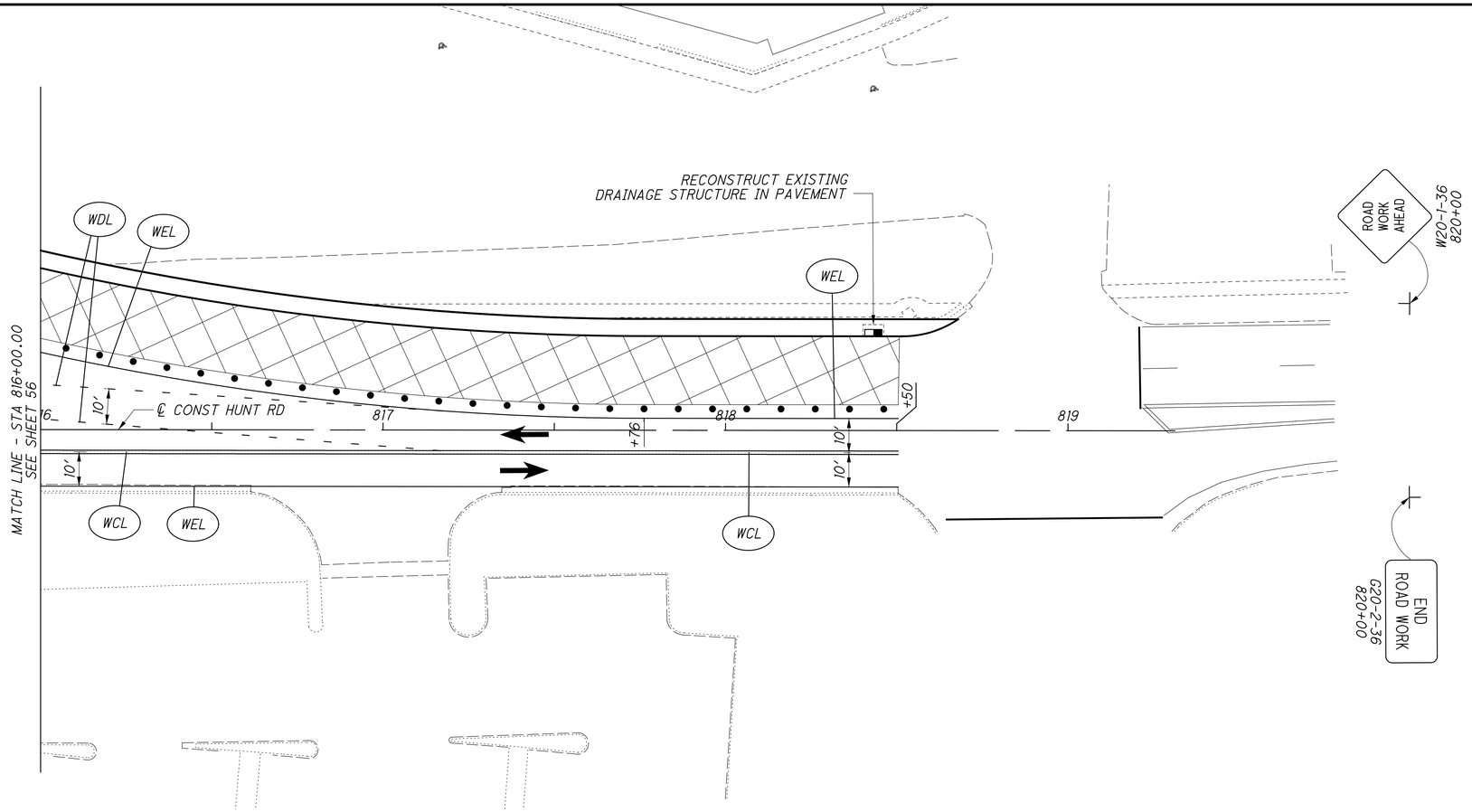

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE	• • •	MOT DRUMS
WEL	WORK ZONE EDGE LINE		

N

0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 1

HAM-PLAINFIELD RD ROUNDABOUTS

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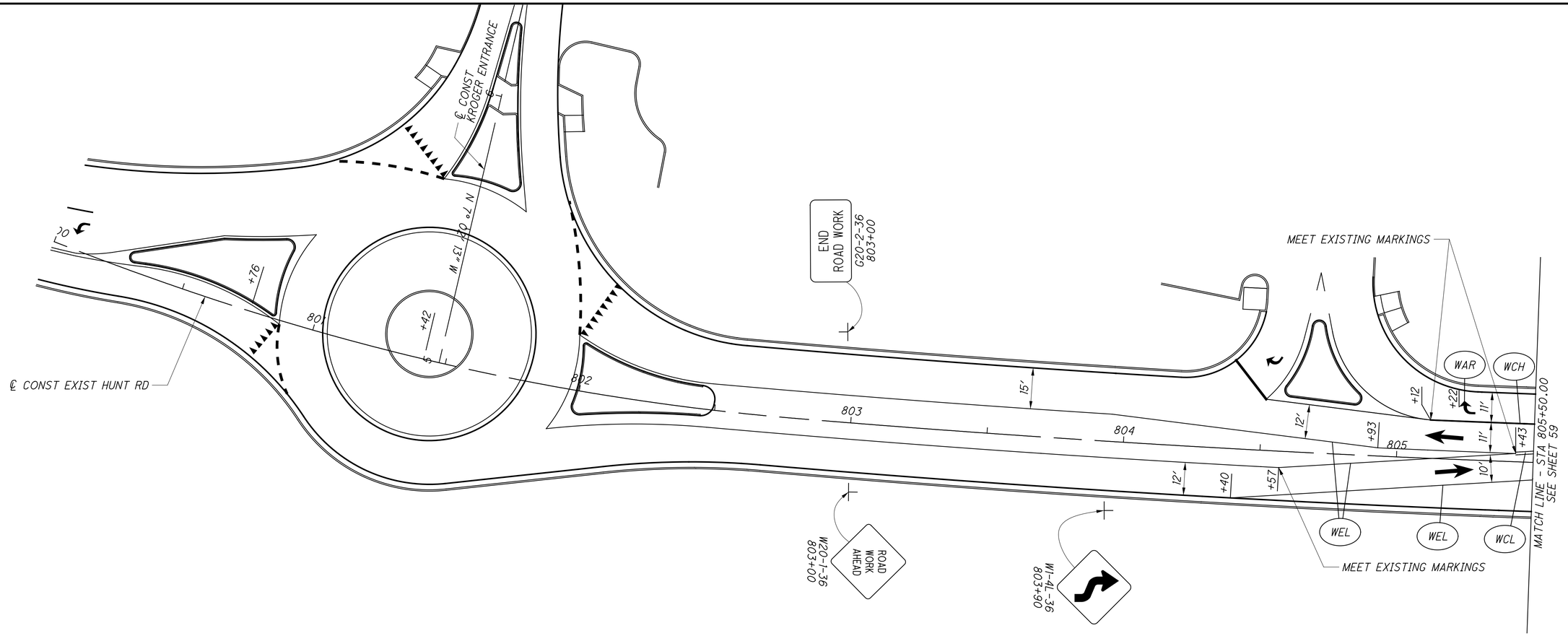

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 2

HAM-PLAINFIELD RD ROUNDABOUTS

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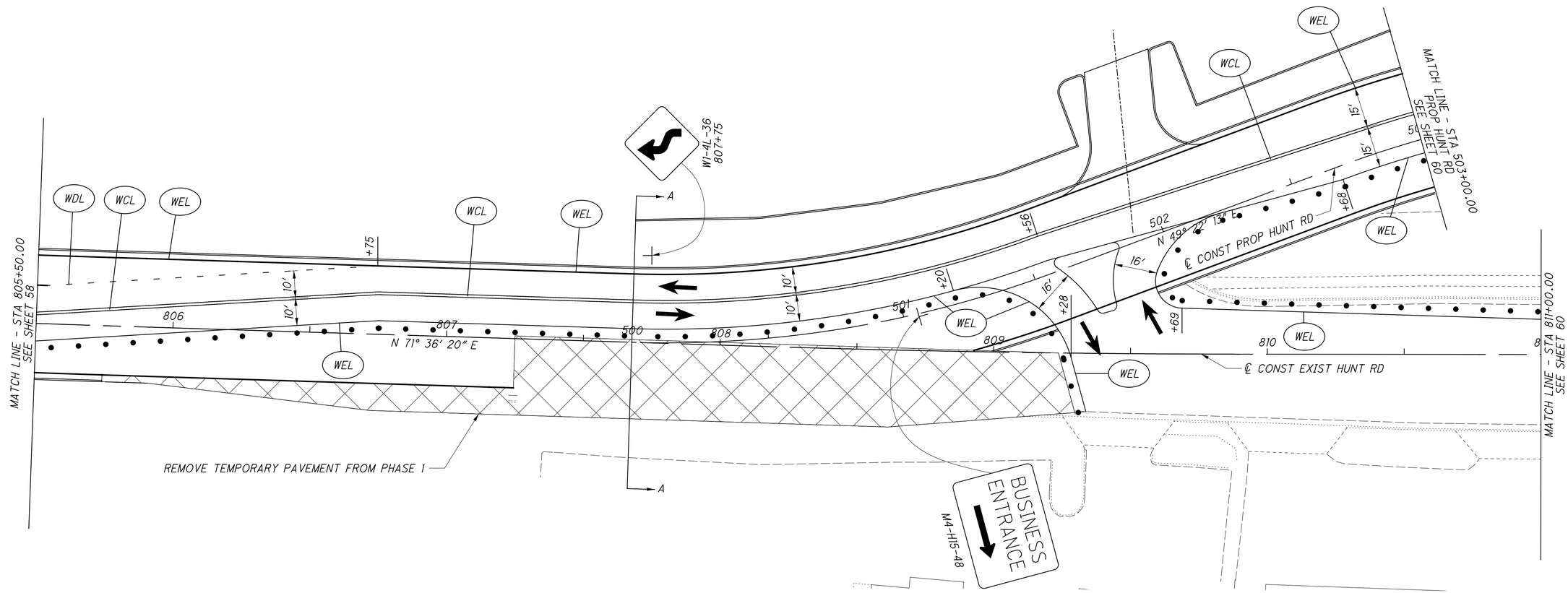

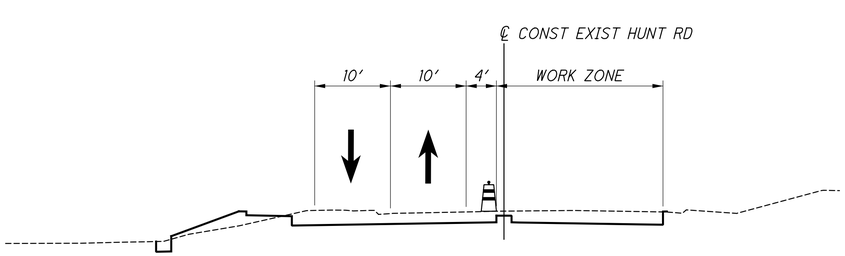

SECTION A-A
STA 500+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 2

HAM-PLAINFIELD RD ROUNDABOUTS

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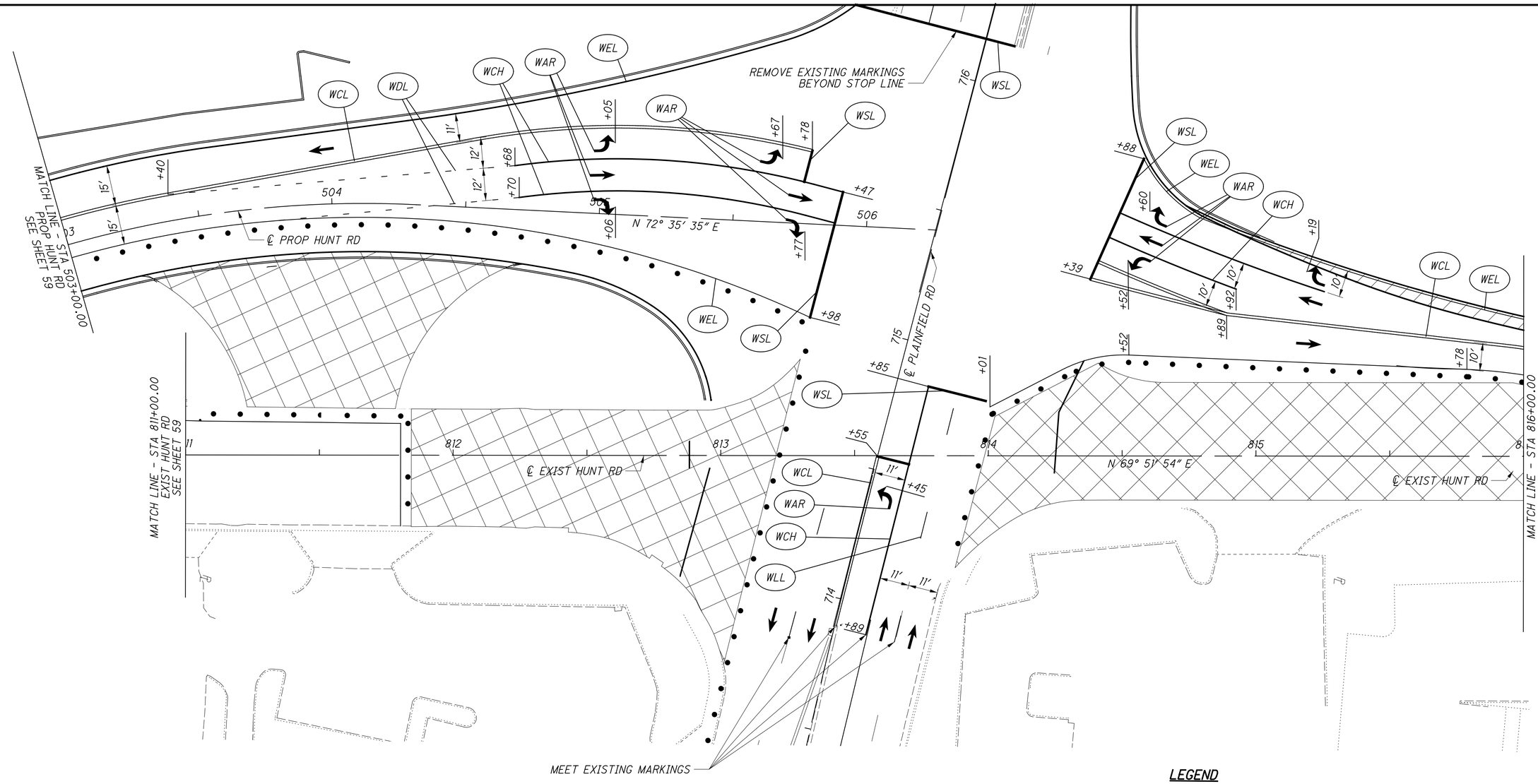

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE	• • •	MOT DRUMS
WEL	WORK ZONE EDGE LINE		

N

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 1

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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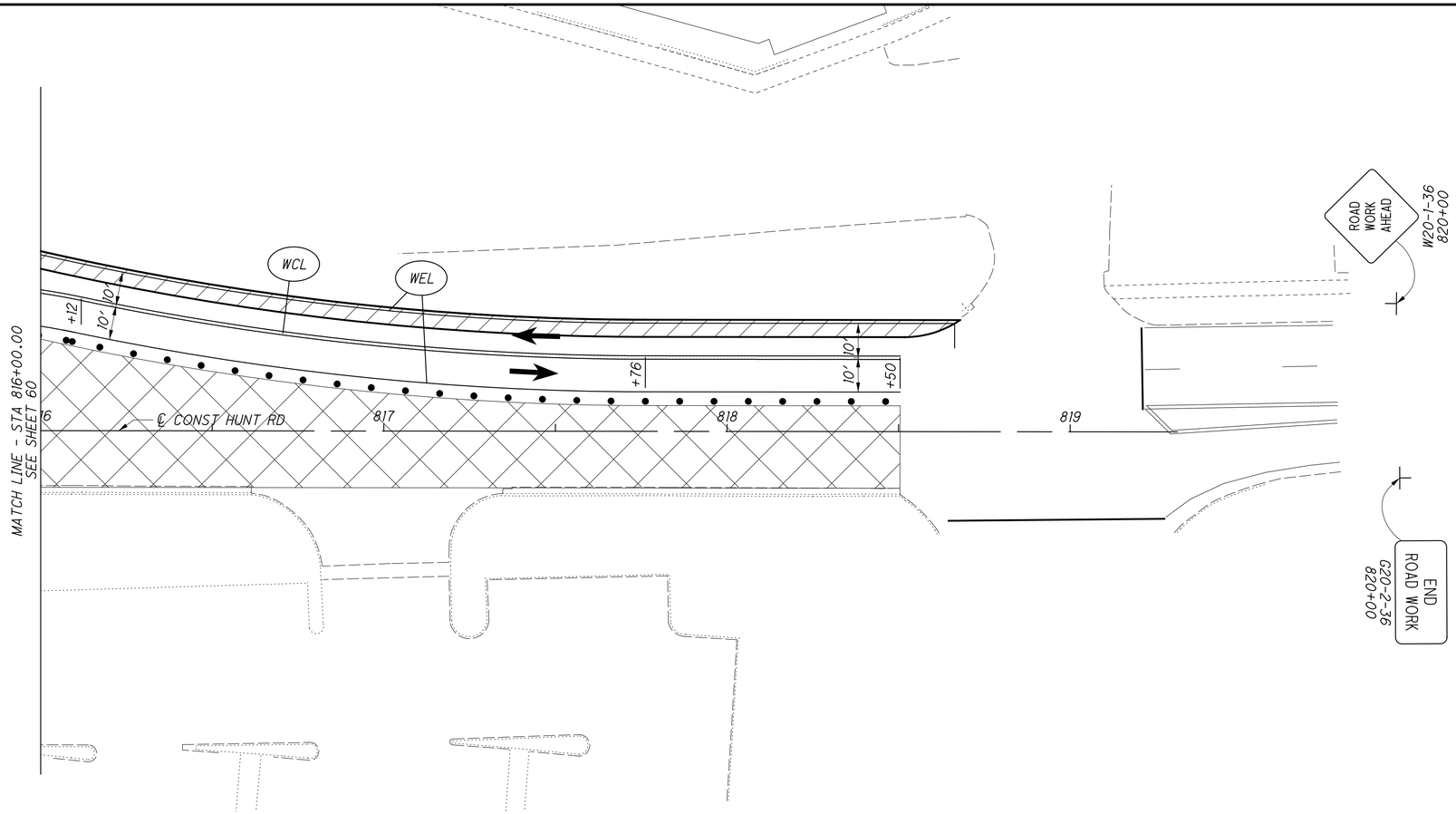

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE	• • •	MOT DRUMS
WEL	WORK ZONE EDGE LINE		

N

0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 2

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:00:43 AM
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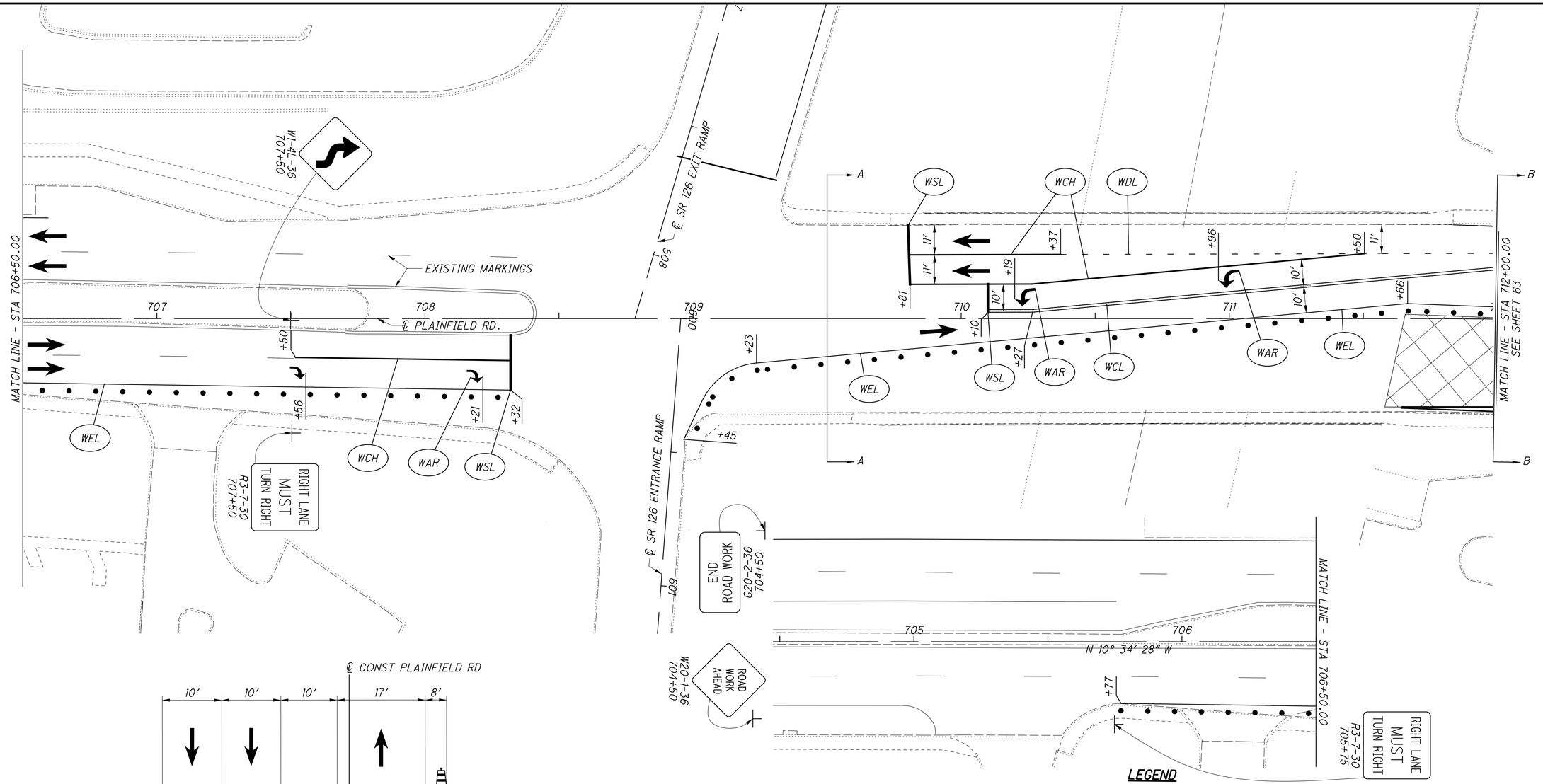
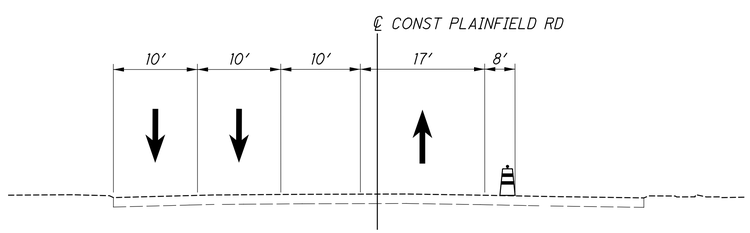
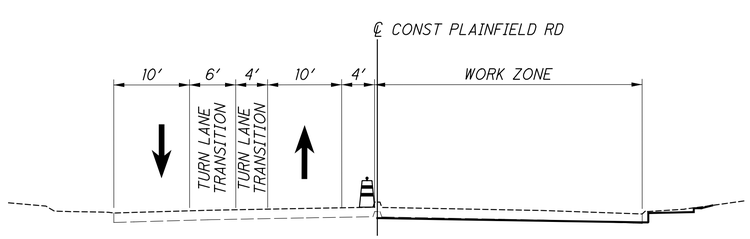




SECTION A-A
STA 709+50.00



SECTION B-B
STA 712+00.00

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE		
WEL	WORK ZONE EDGE LINE	• • •	MOT DRUMS

N

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 3

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:00:47 AM
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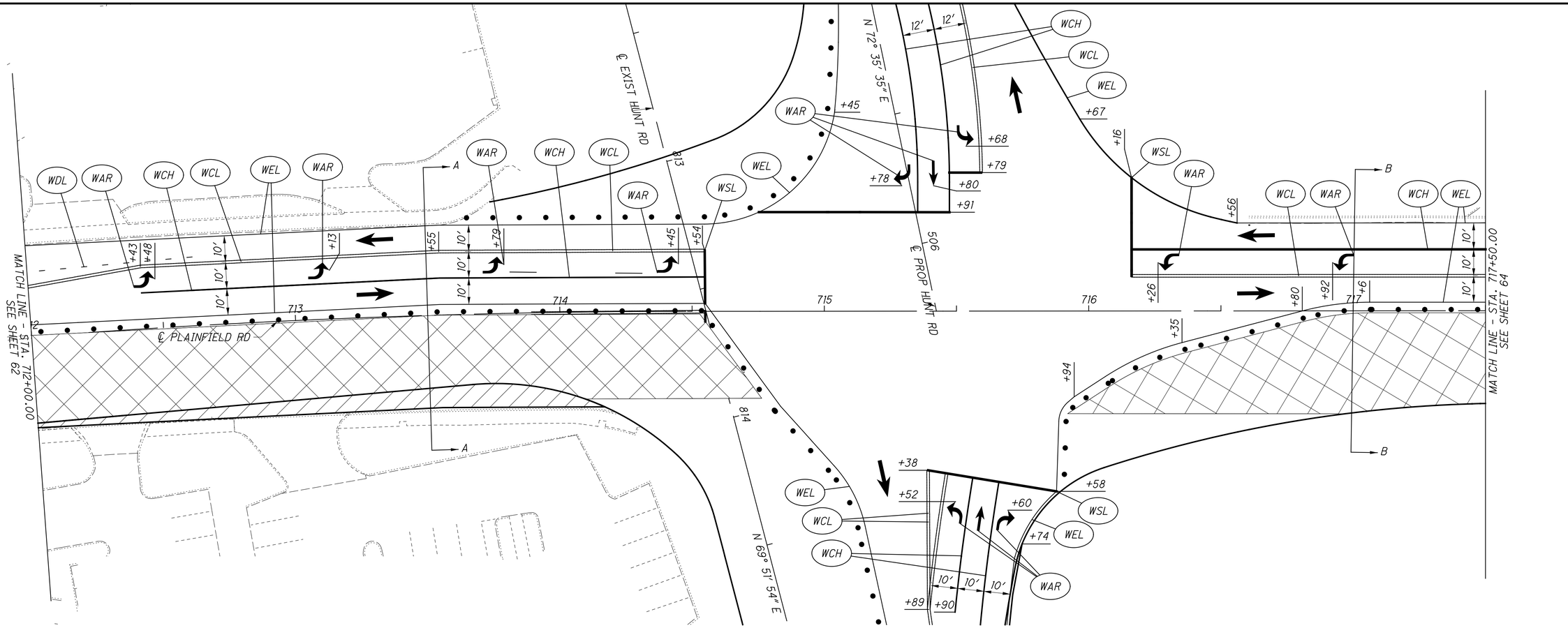
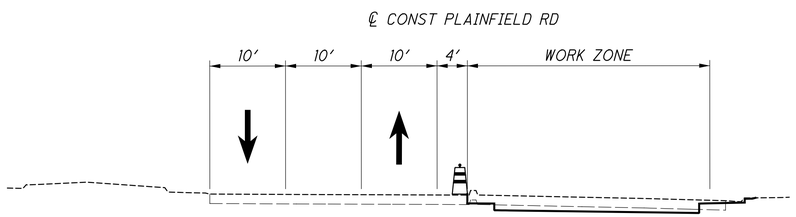
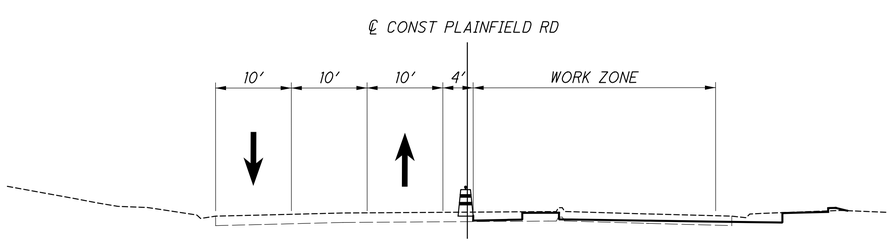




SECTION A-A
STA 713+50.00



SECTION B-B
STA 717+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 3

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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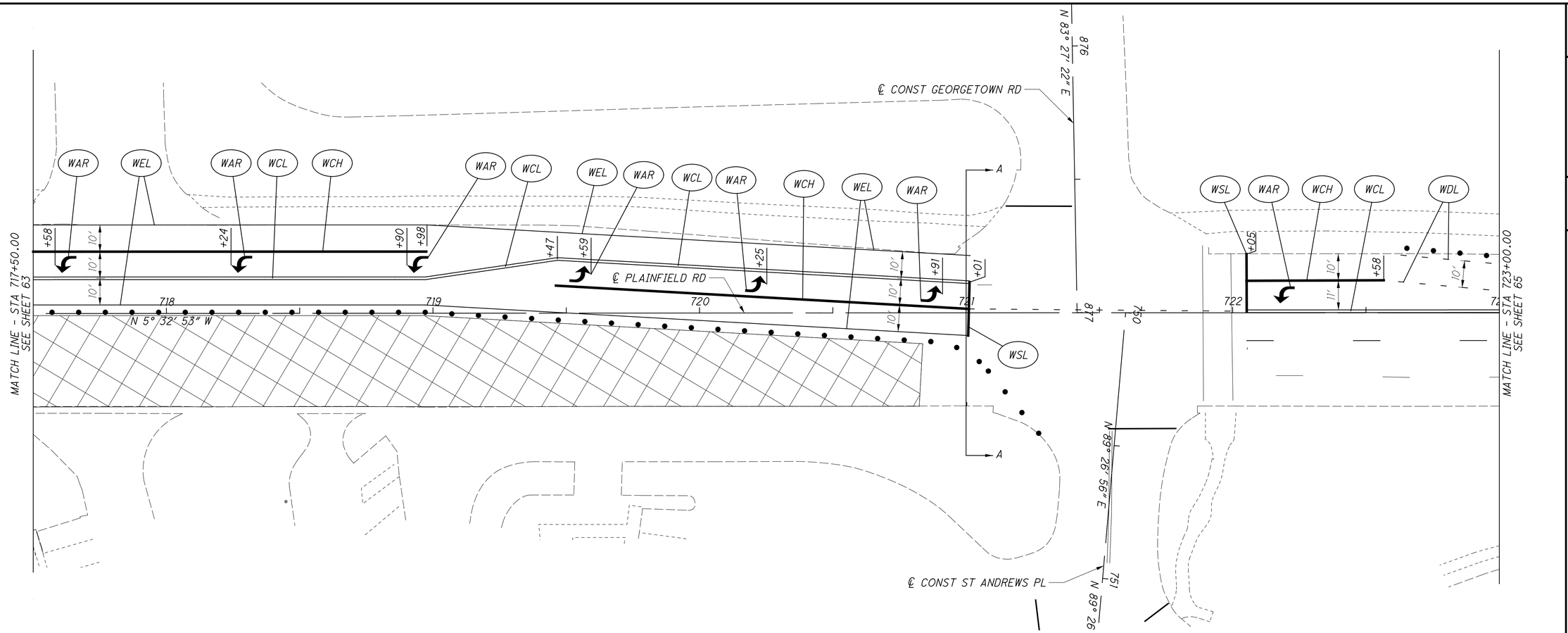

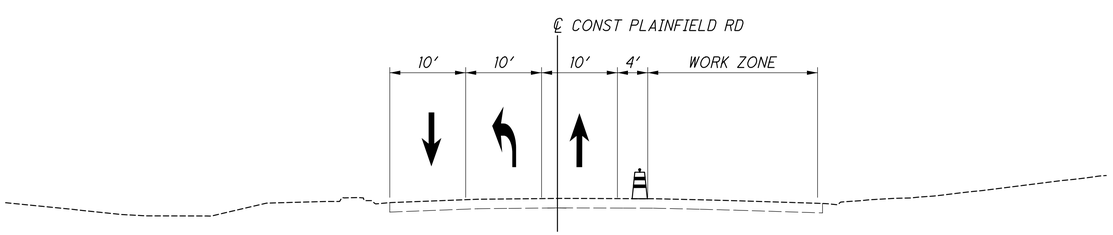

SECTION A-A
STA 721+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 3

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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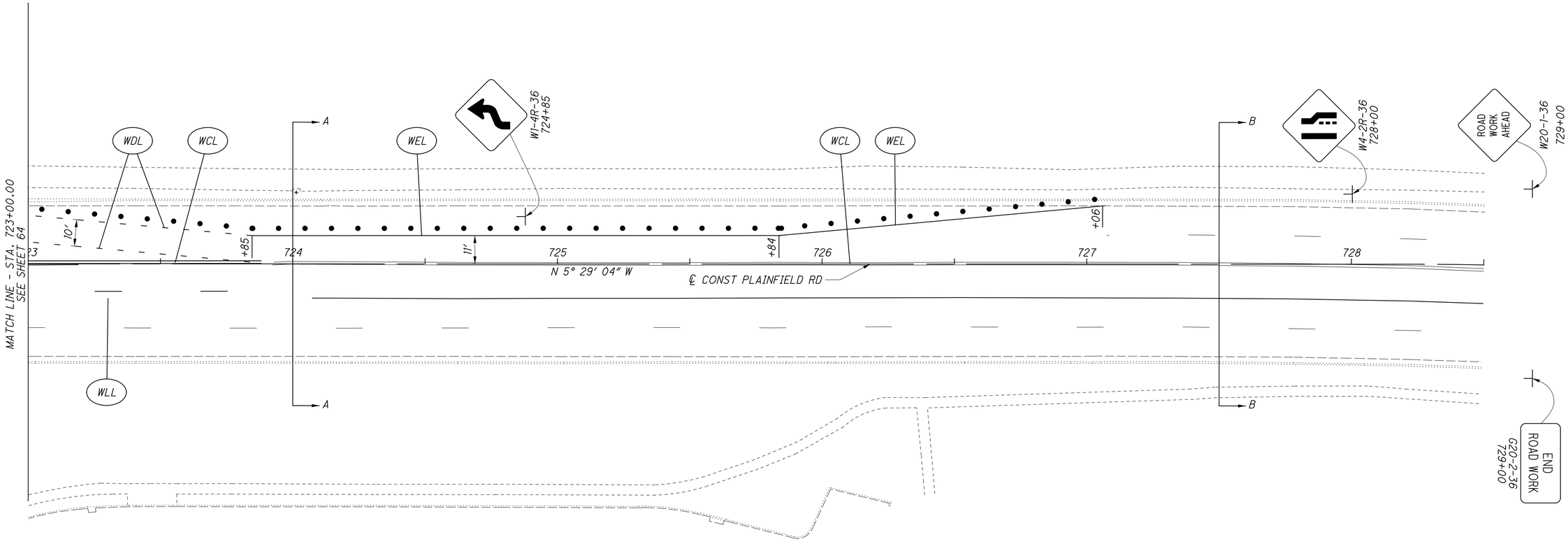
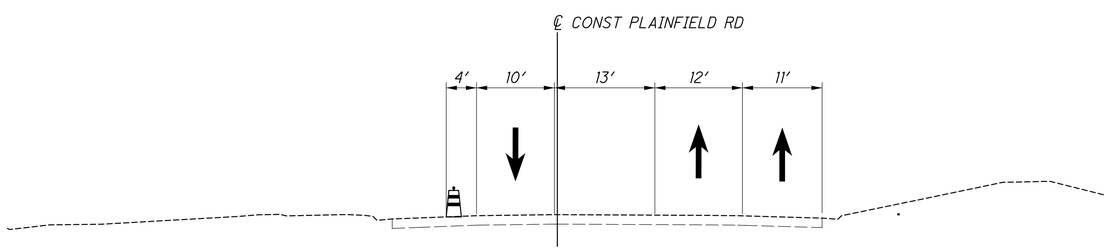
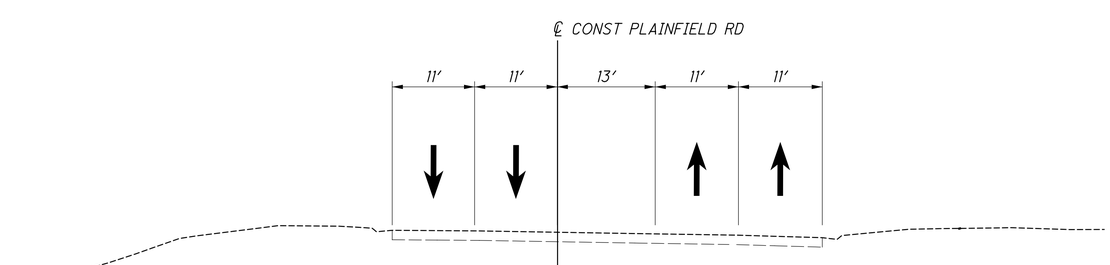




SECTION A-A
STA 724+00.00



SECTION B-B
STA 727+50.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN (NON-PEAK HOURS)

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 3

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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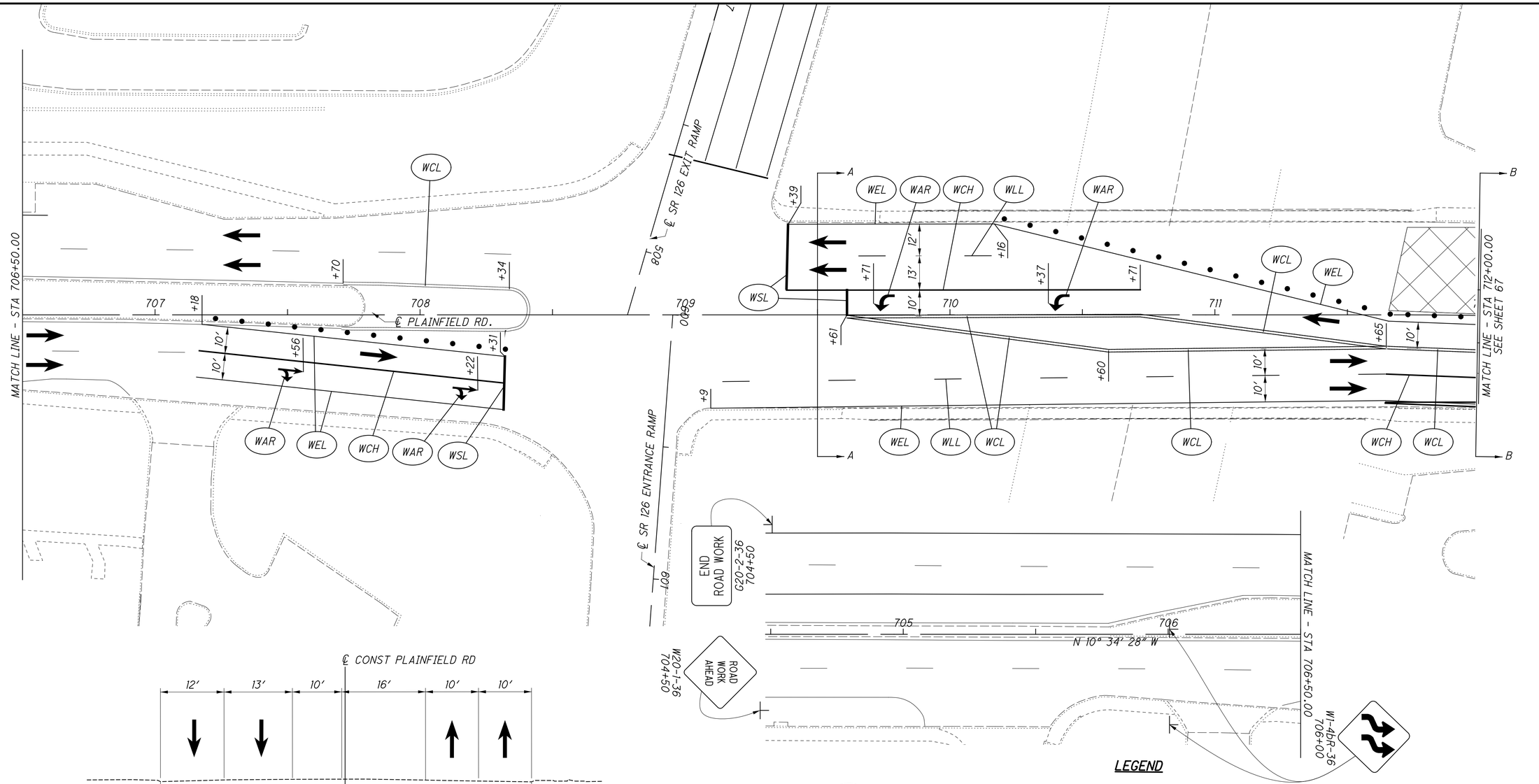
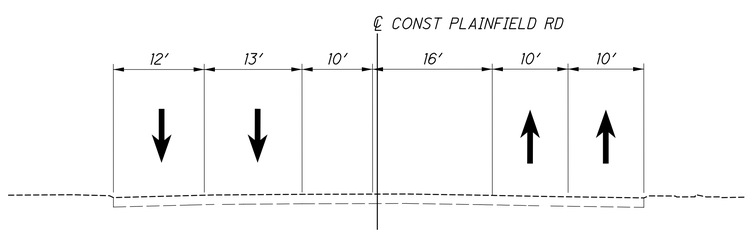
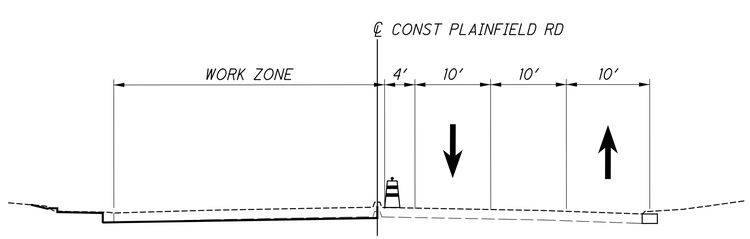




SECTION A-A
STA 709+50.00



SECTION B-B
STA 712+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 4

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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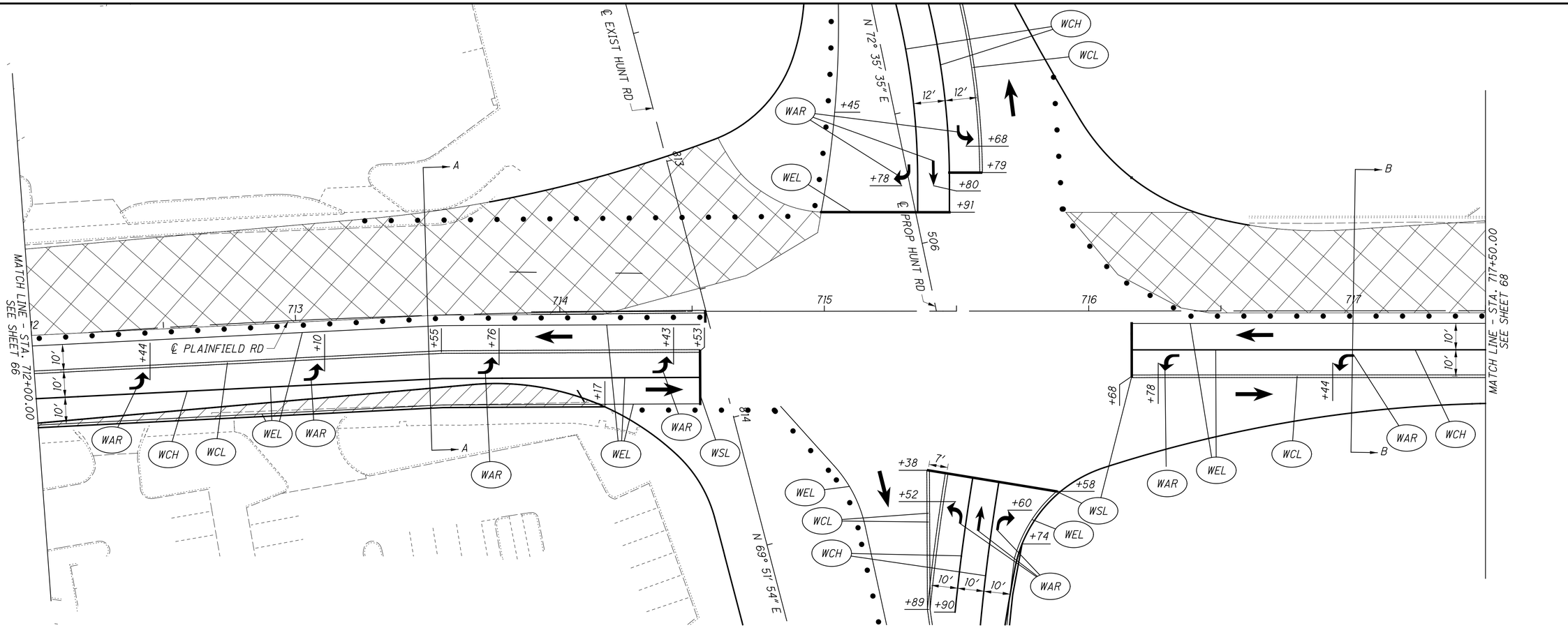
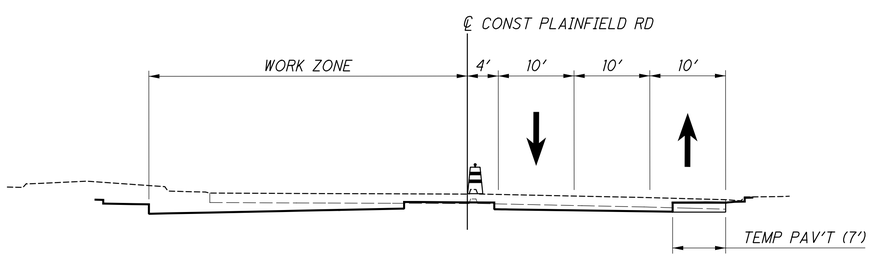
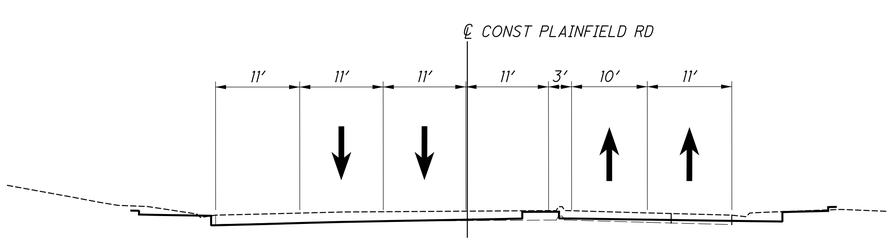




SECTION A-A
STA 713+50.00



SECTION B-B
STA 717+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	TEMPORARY PAVEMENT
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 4

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:00:55 AM
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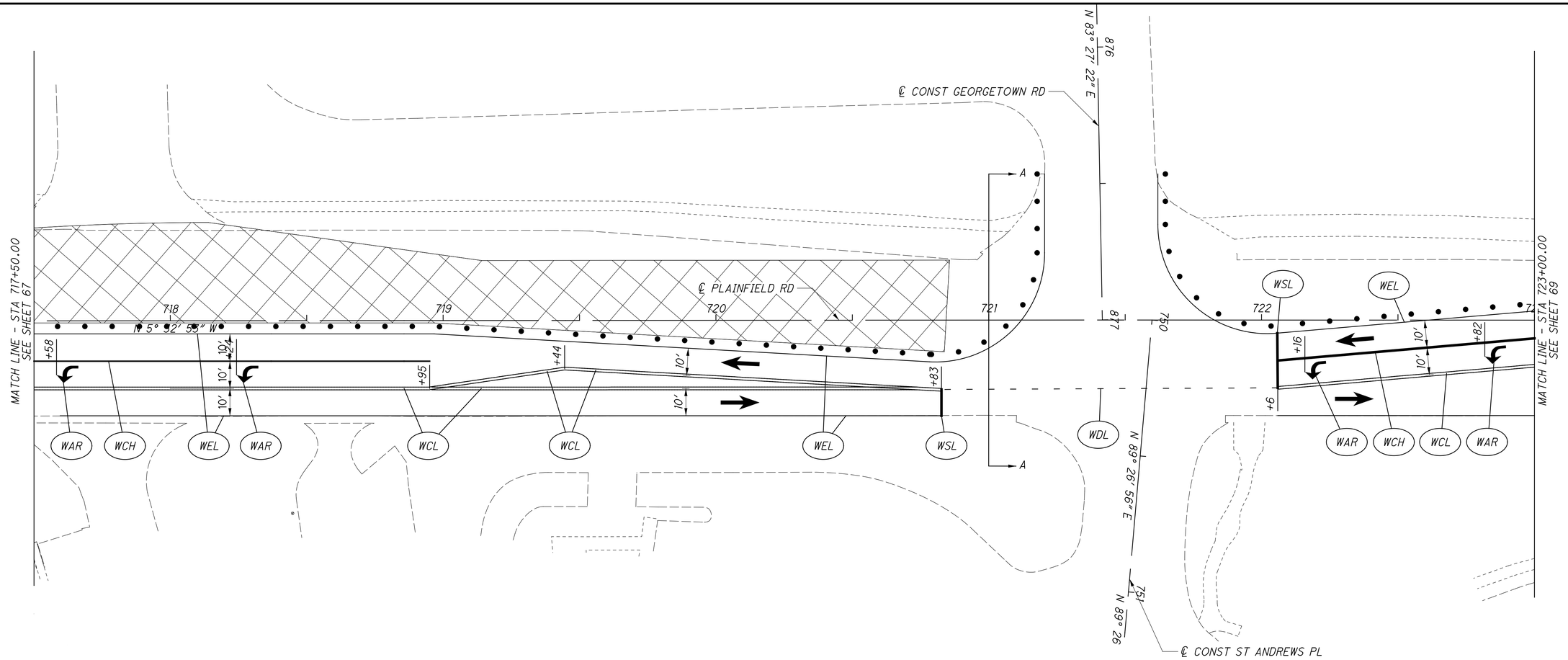

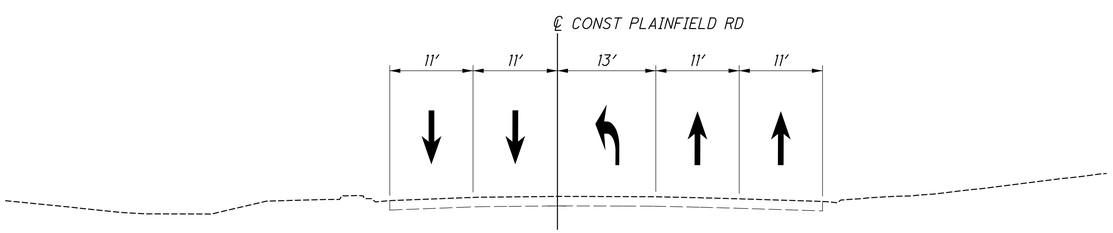

SECTION A-A
STA 721+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 4

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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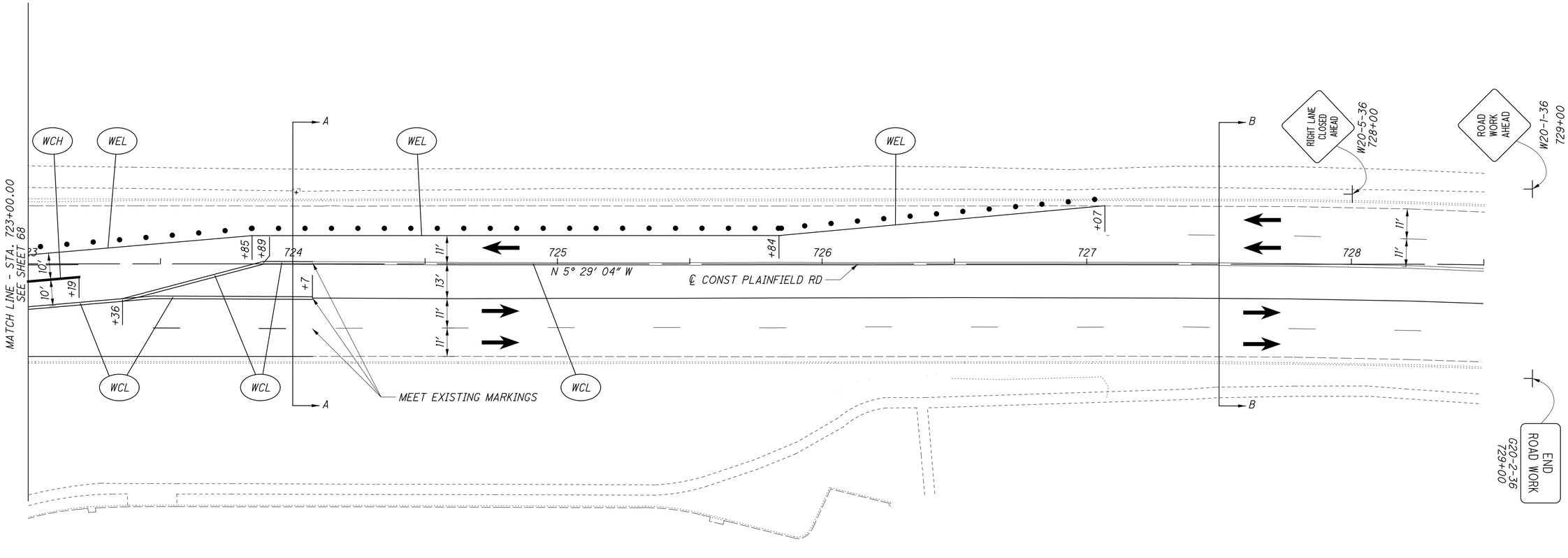
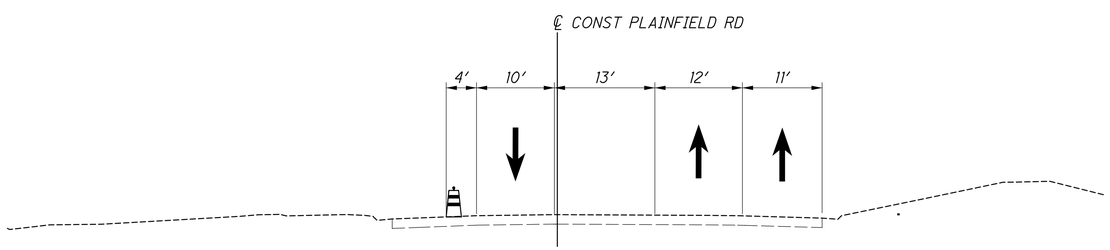
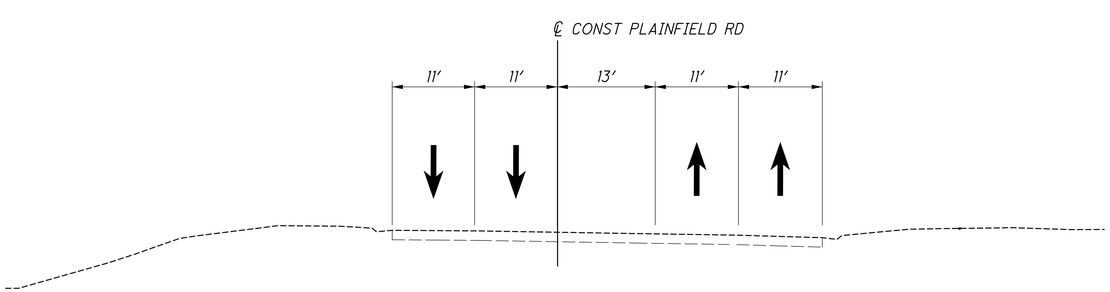




SECTION A-A
STA 724+00.00



SECTION B-B
STA 727+50.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & HUNT RD - PHASE 4

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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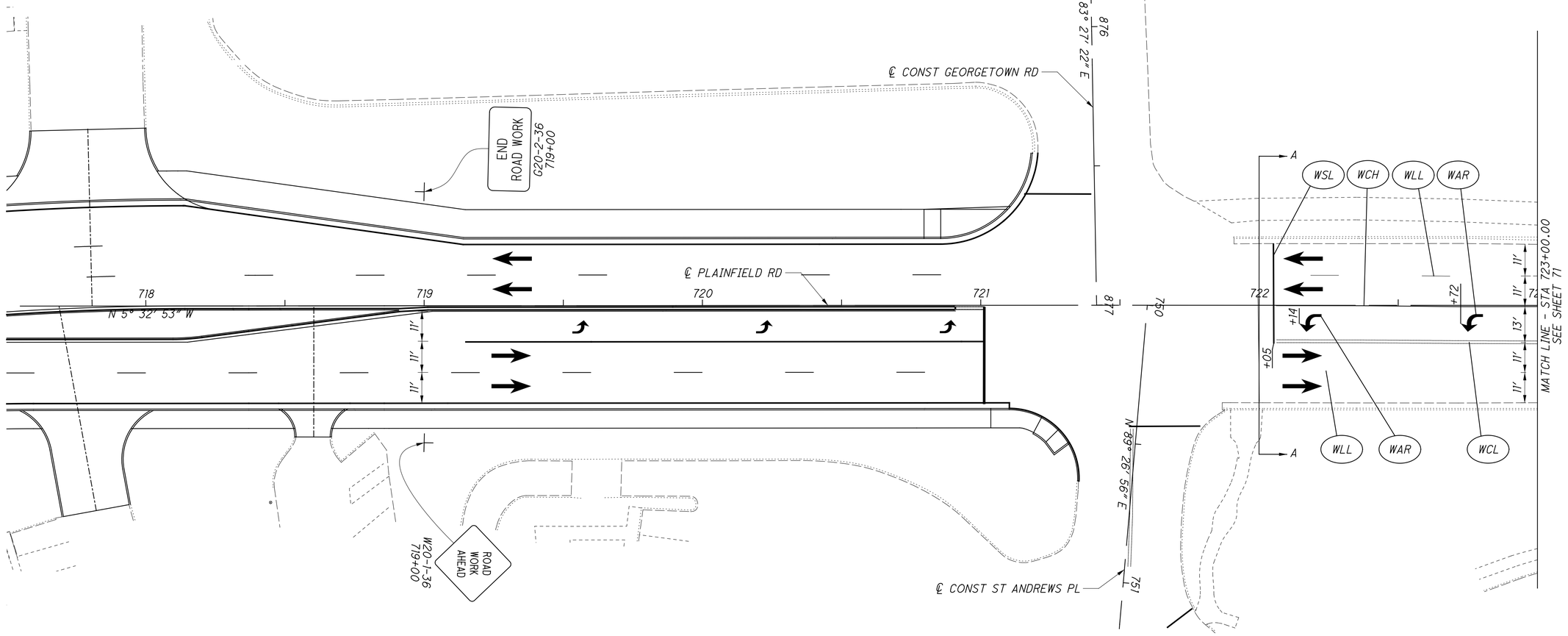

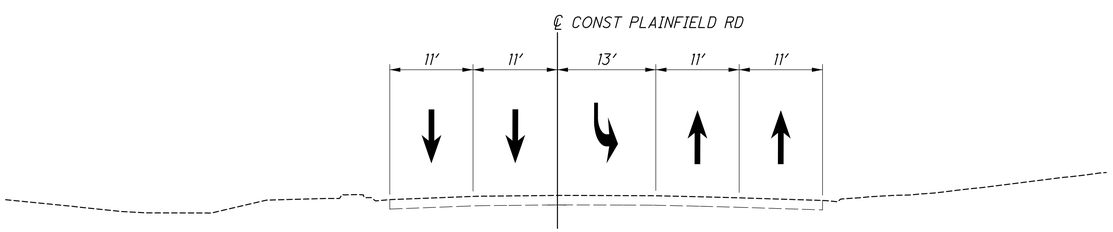

SECTION A-A
STA 722+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 1

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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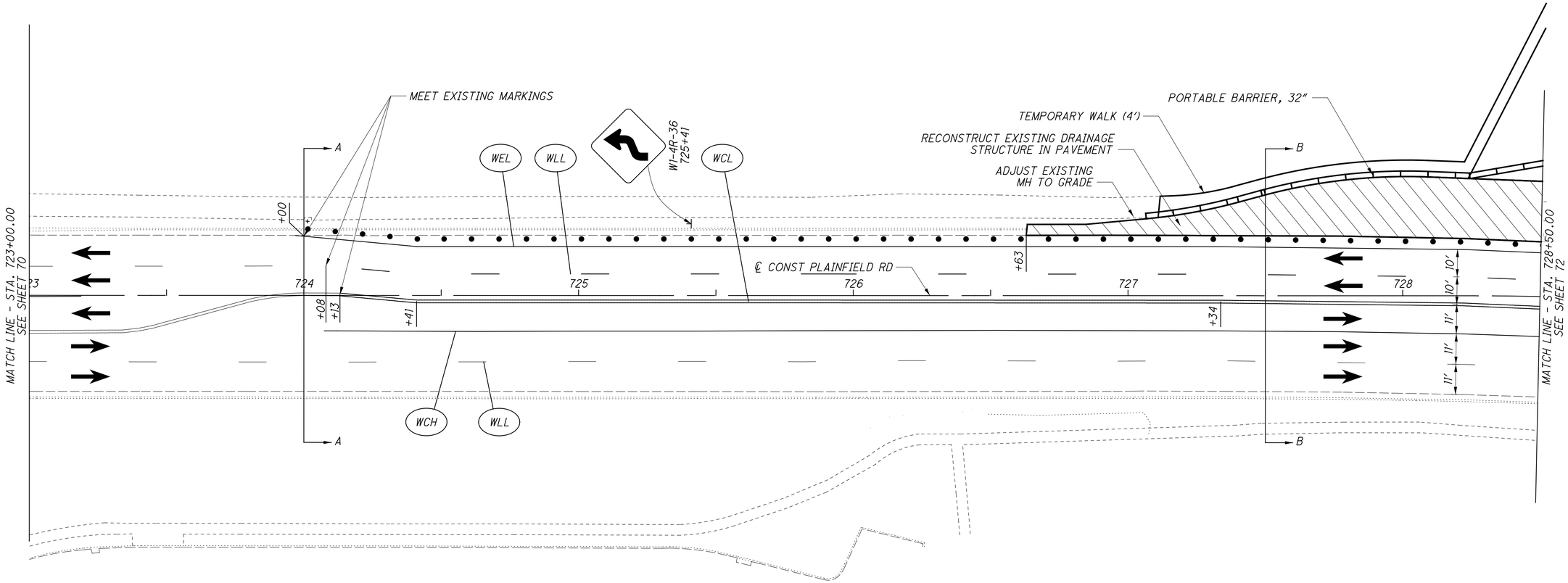
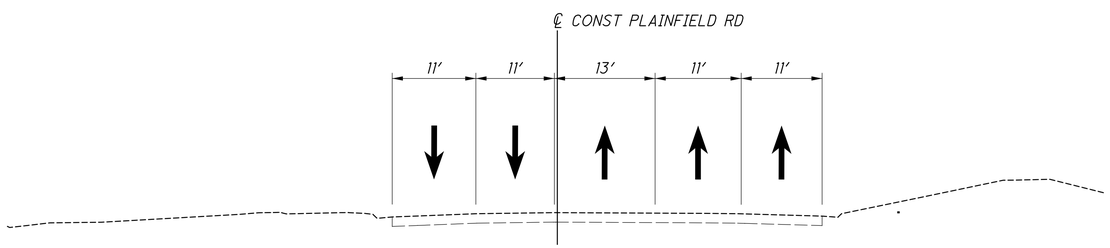
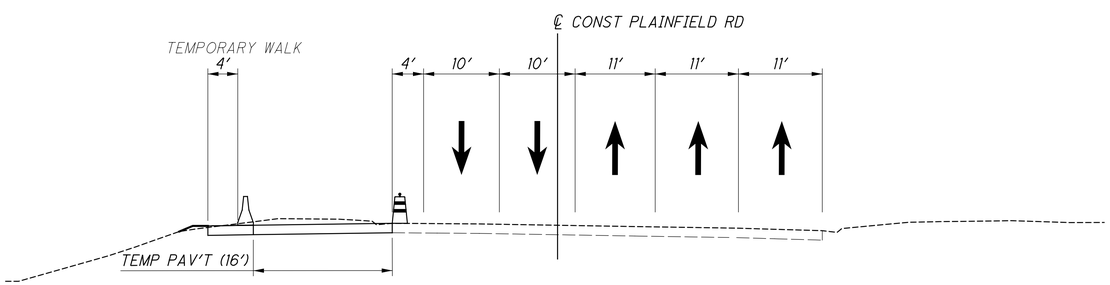




SECTION A-A
STA 724+00.00



SECTION B-B
STA 727+50.00

NOTE: SEE SHEETS 36 - 37 FOR TEMPORARY WALK PHASING AND DETAILS

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE	• • •	MOT DRUMS
WEL	WORK ZONE EDGE LINE		

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 1

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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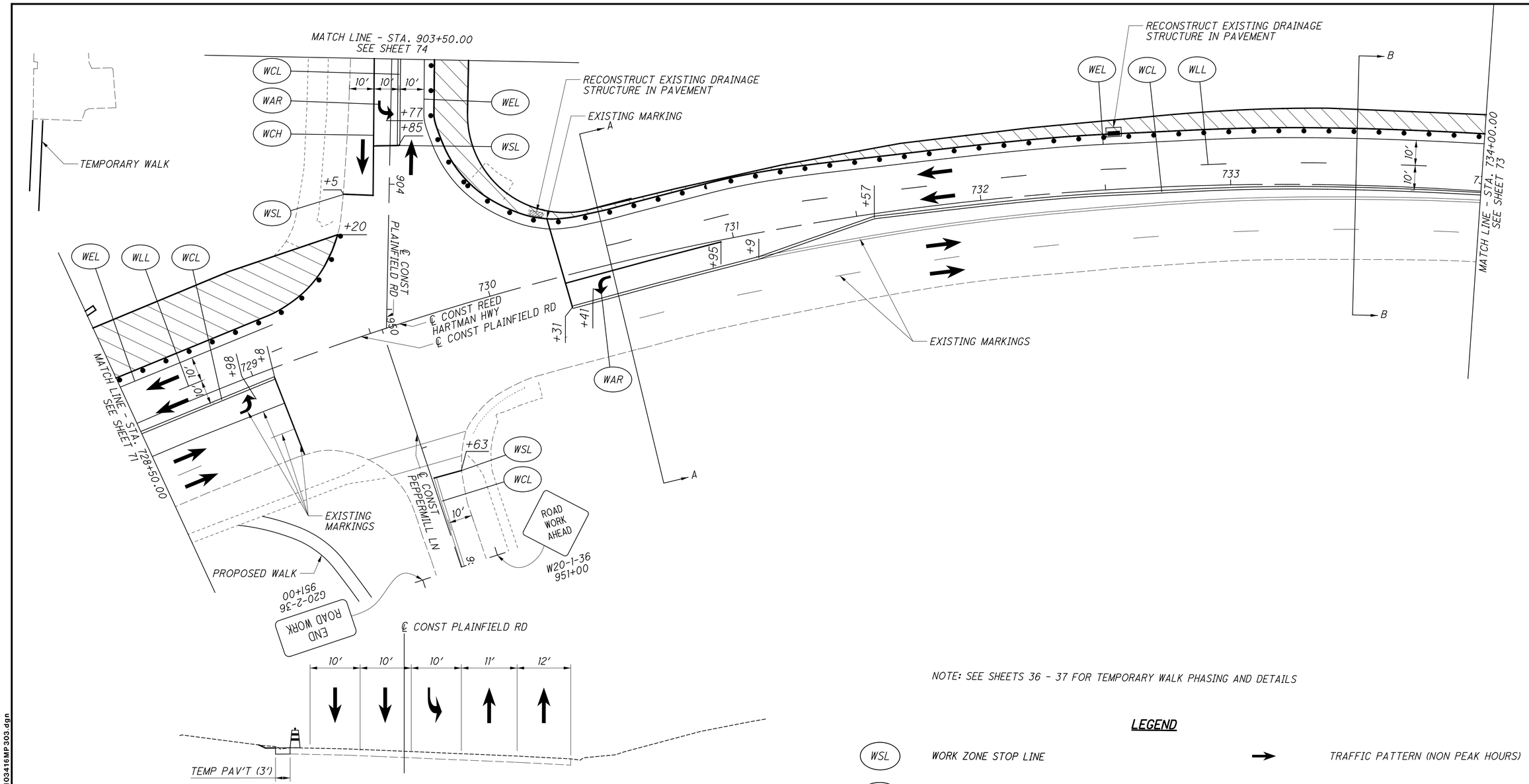
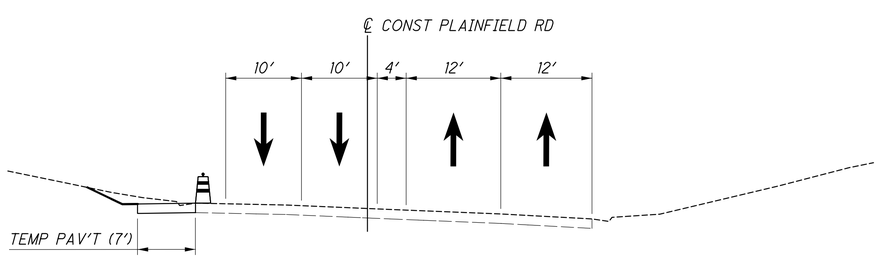


SECTION A-A
STA 730+50.00



SECTION B-B
STA 733+50.00

NOTE: SEE SHEETS 36 - 37 FOR TEMPORARY WALK PHASING AND DETAILS

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN (NON PEAK HOURS)
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE	• • •	MOT DRUMS
WEL	WORK ZONE EDGE LINE		

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 1

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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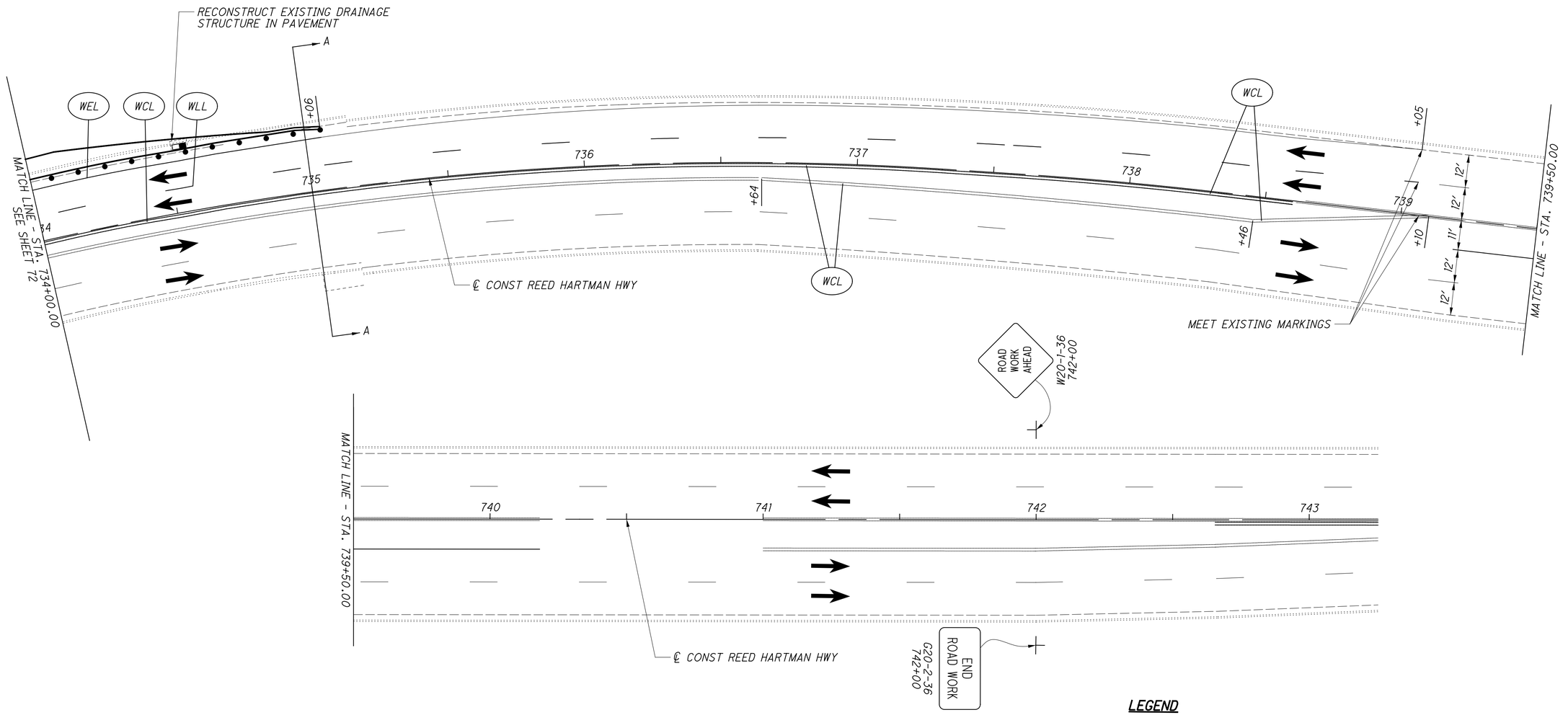

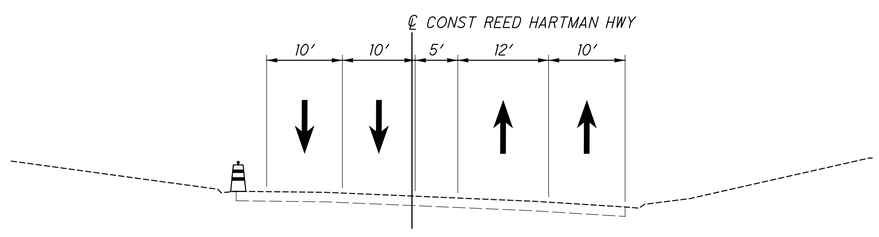

SECTION A-A
STA 735+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 1

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:01:05 AM
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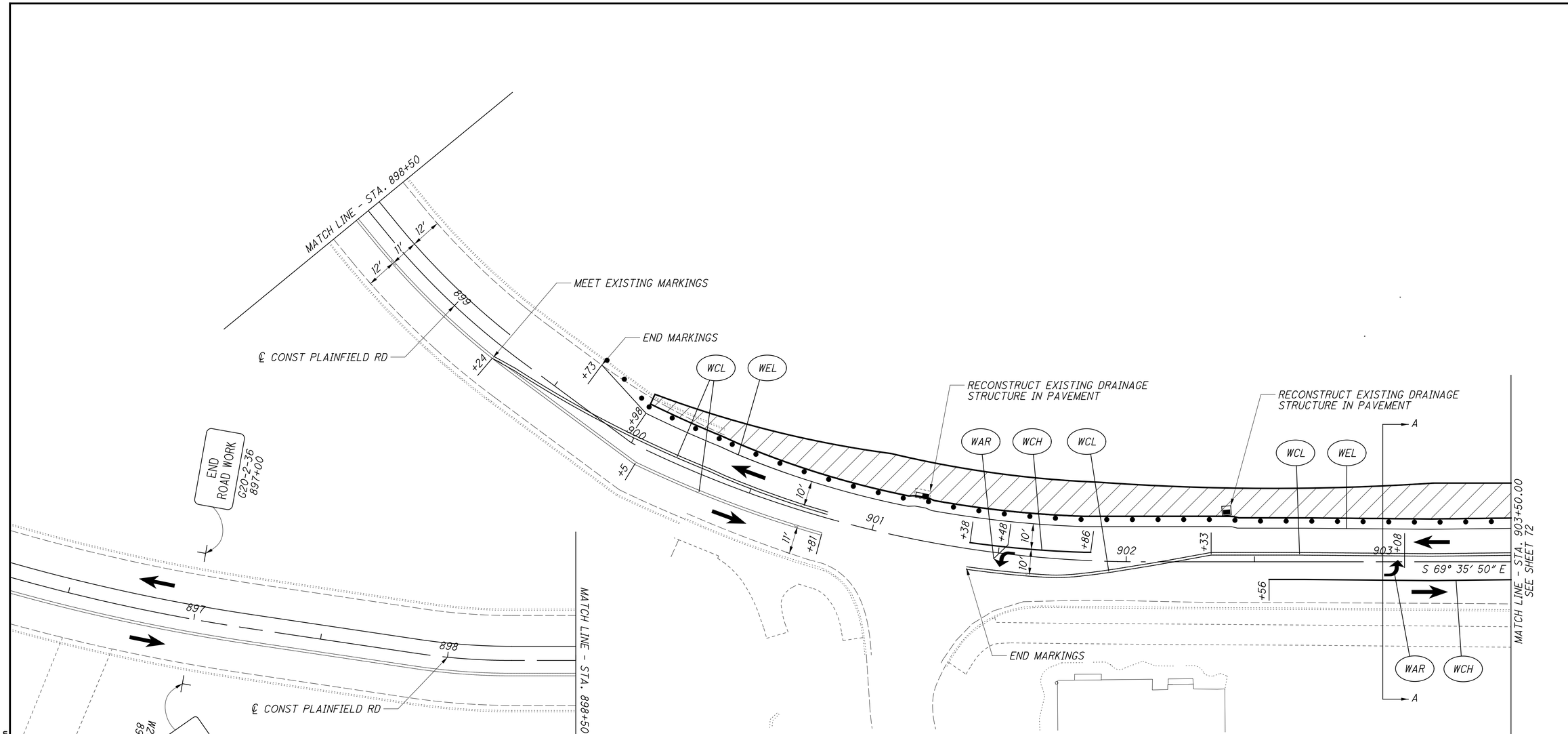

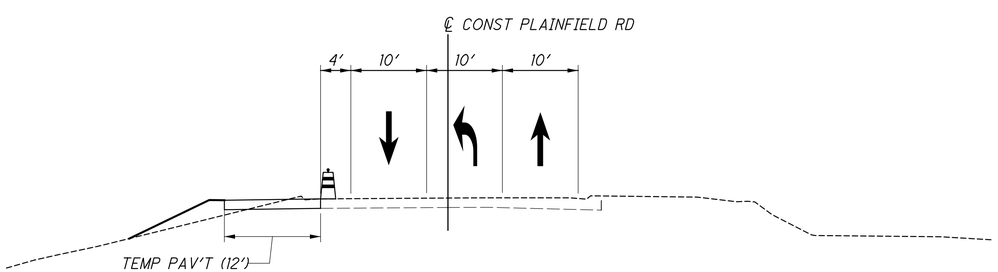

SECTION A-A
STA 903+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 1

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:01:07 AM
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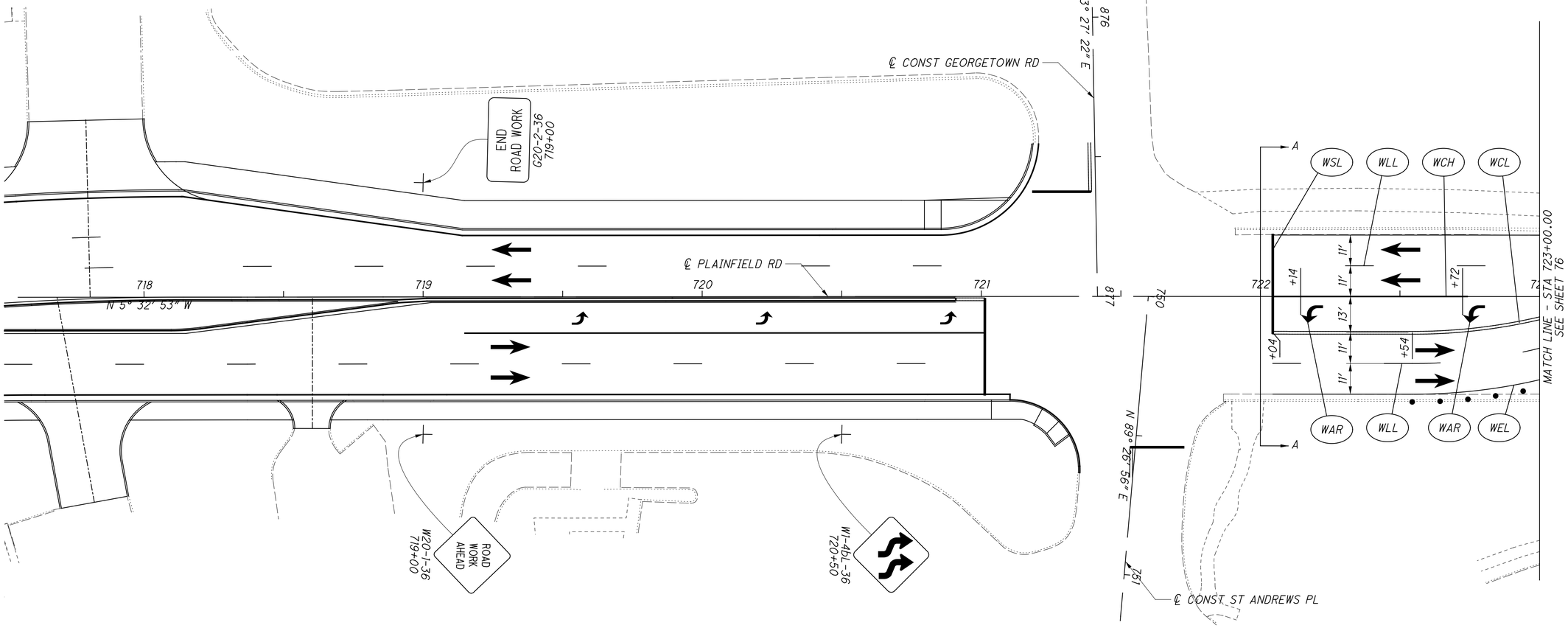

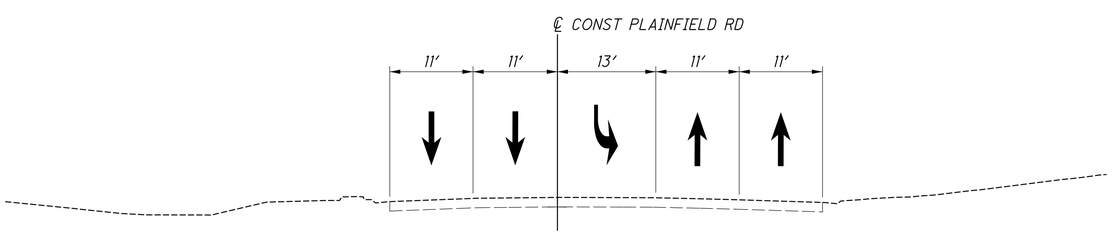

SECTION A-A
STA 722+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 2

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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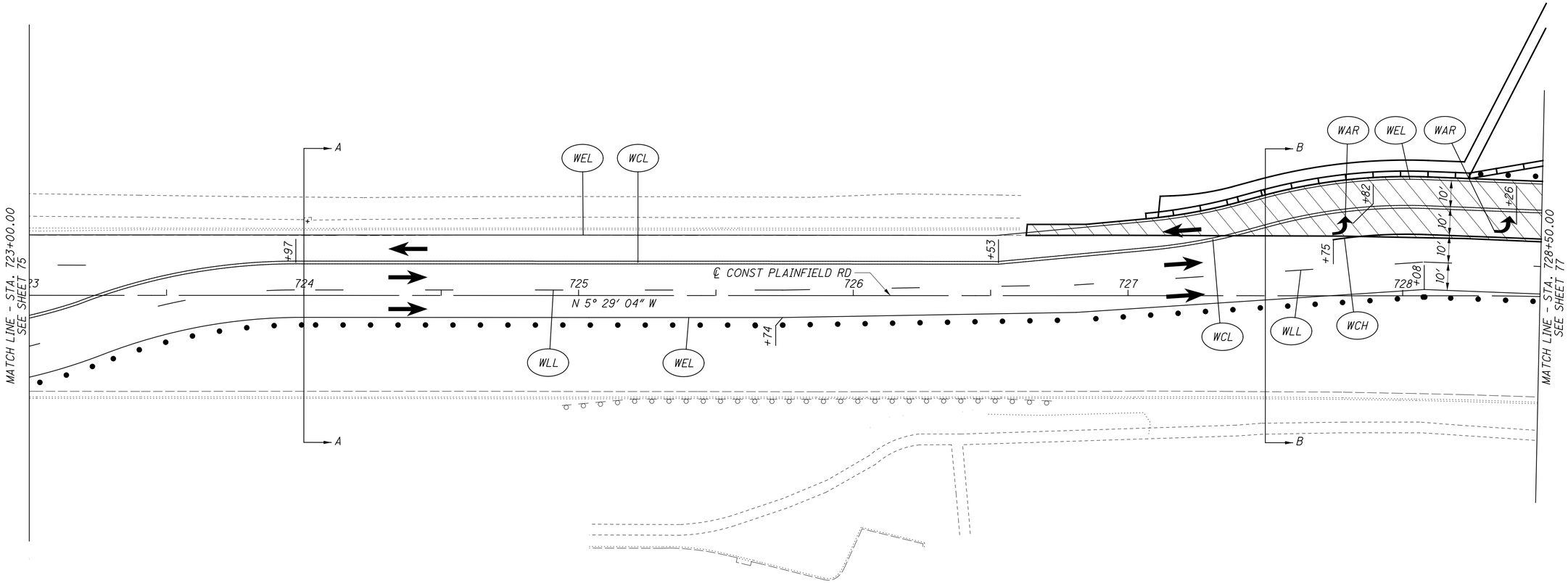
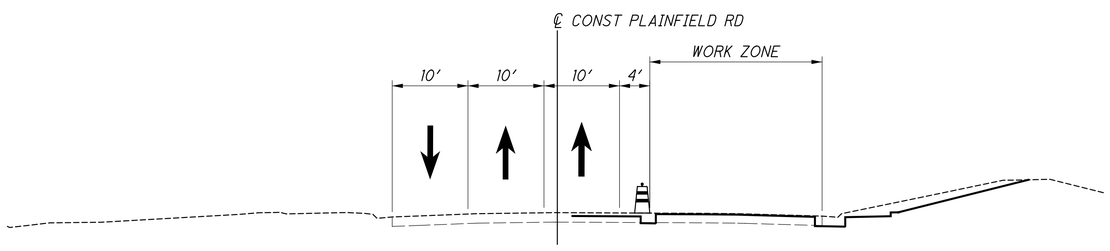
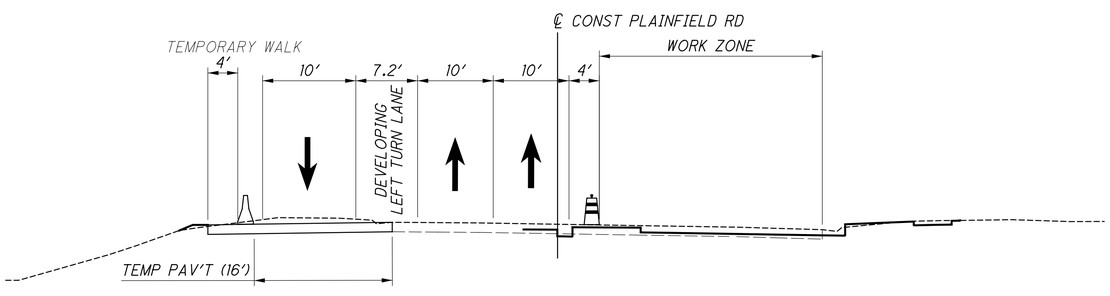




SECTION A-A
STA 724+00.00



SECTION B-B
STA 727+50.00

NOTE: SEE SHEETS 36 - 37 FOR TEMPORARY WALK PHASING AND DETAILS

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE		MOT DRUMS
WEL	WORK ZONE EDGE LINE		

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 2

HAM-PLAINFIELD RD ROUNDABOUTS

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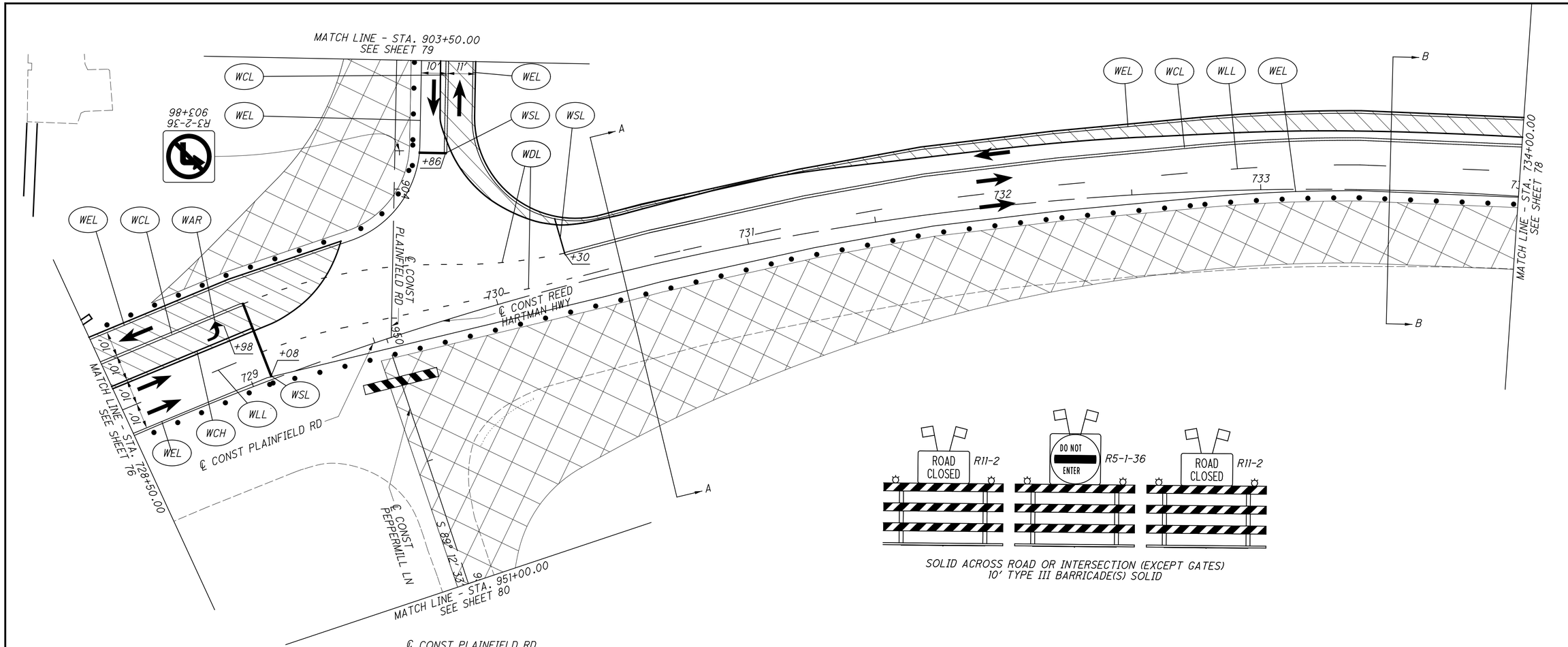
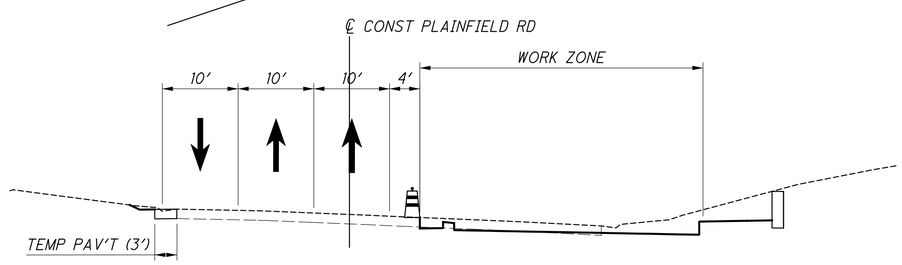


SOLID ACROSS ROAD OR INTERSECTION (EXCEPT GATES)
10' TYPE III BARRICADE(S) SOLID

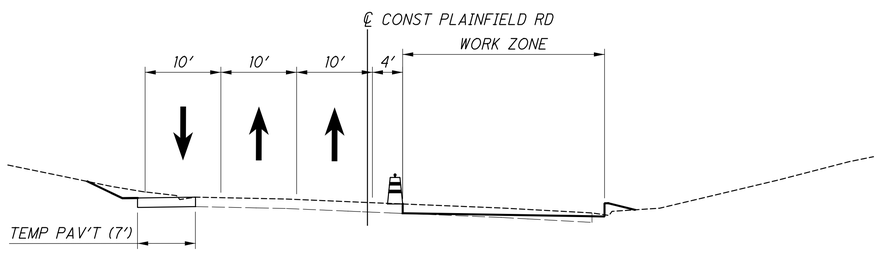
NOTE: RESTRICT LEFT TURN MOVEMENTS FROM EB PLAINFIELD RD TO NB REED HARTMAN HWY

SEE SHEETS 36 - 37 FOR TEMPORARY WALK PHASING AND DETAILS

NOTE: SEE SHEET 38 FOR DETOUR PLAN



SECTION A-A
STA 730+50.00



SECTION B-B
STA 733+50.00

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE		MOT DRUMS
WEL	WORK ZONE EDGE LINE		
WDL	WORK ZONE DOTTED LINE		

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 2

HAM-PLAINFIELD RD ROUNDABOUTS

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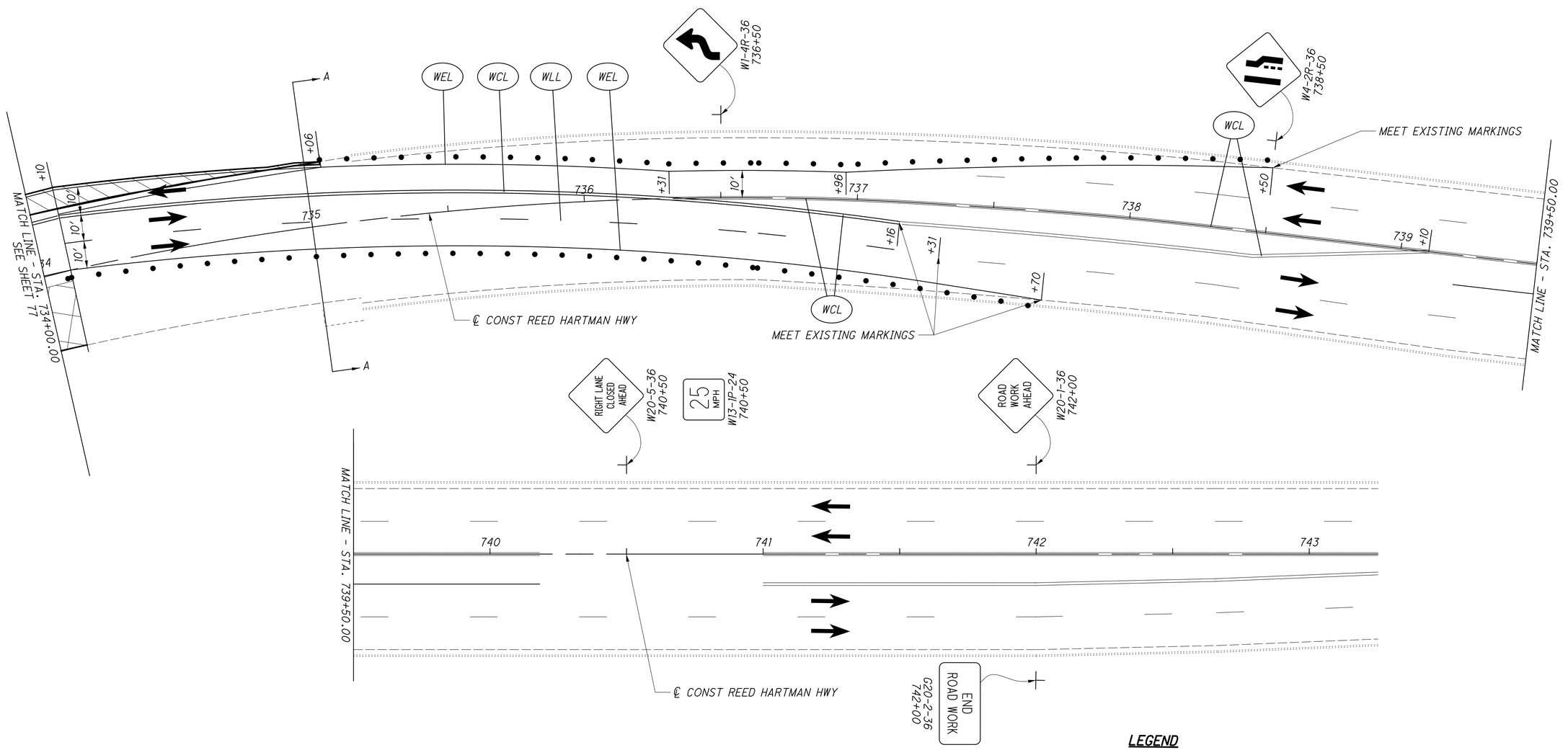

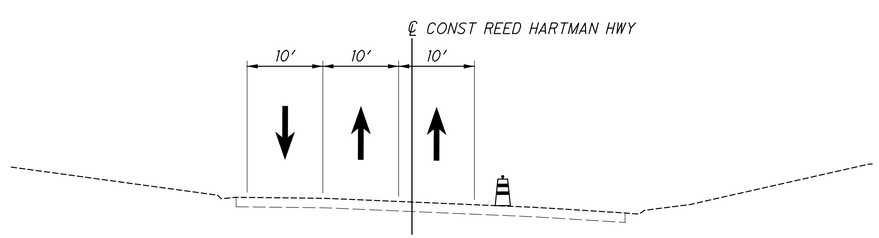

SECTION A-A
STA 735+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 2

HAM-PLAINFIELD RD ROUNDABOUTS

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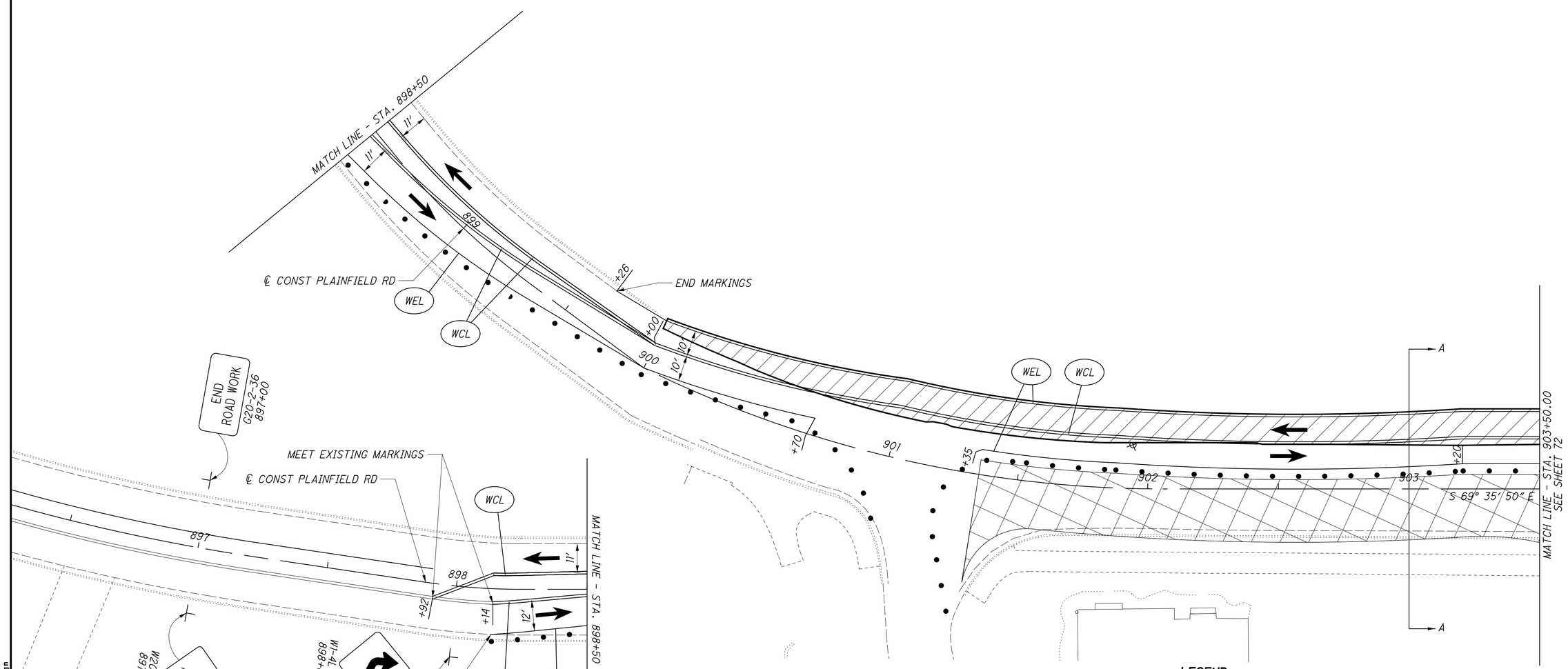

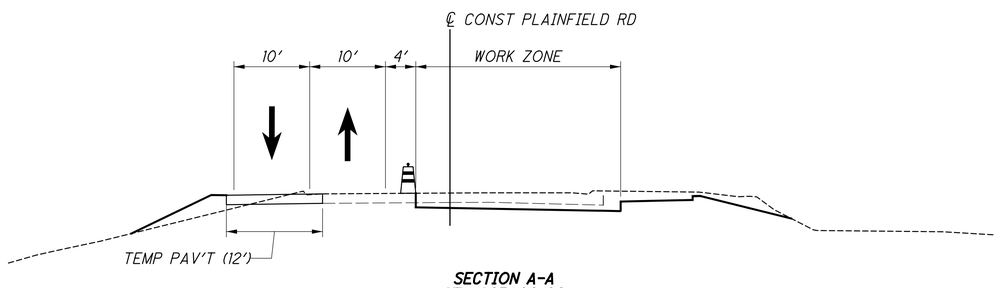

SECTION A-A
STA 903+00.00

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE		MOT DRUMS
WEL	WORK ZONE EDGE LINE		

N

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 2

HAM-PLAINFIELD RD ROUNDABOUTS

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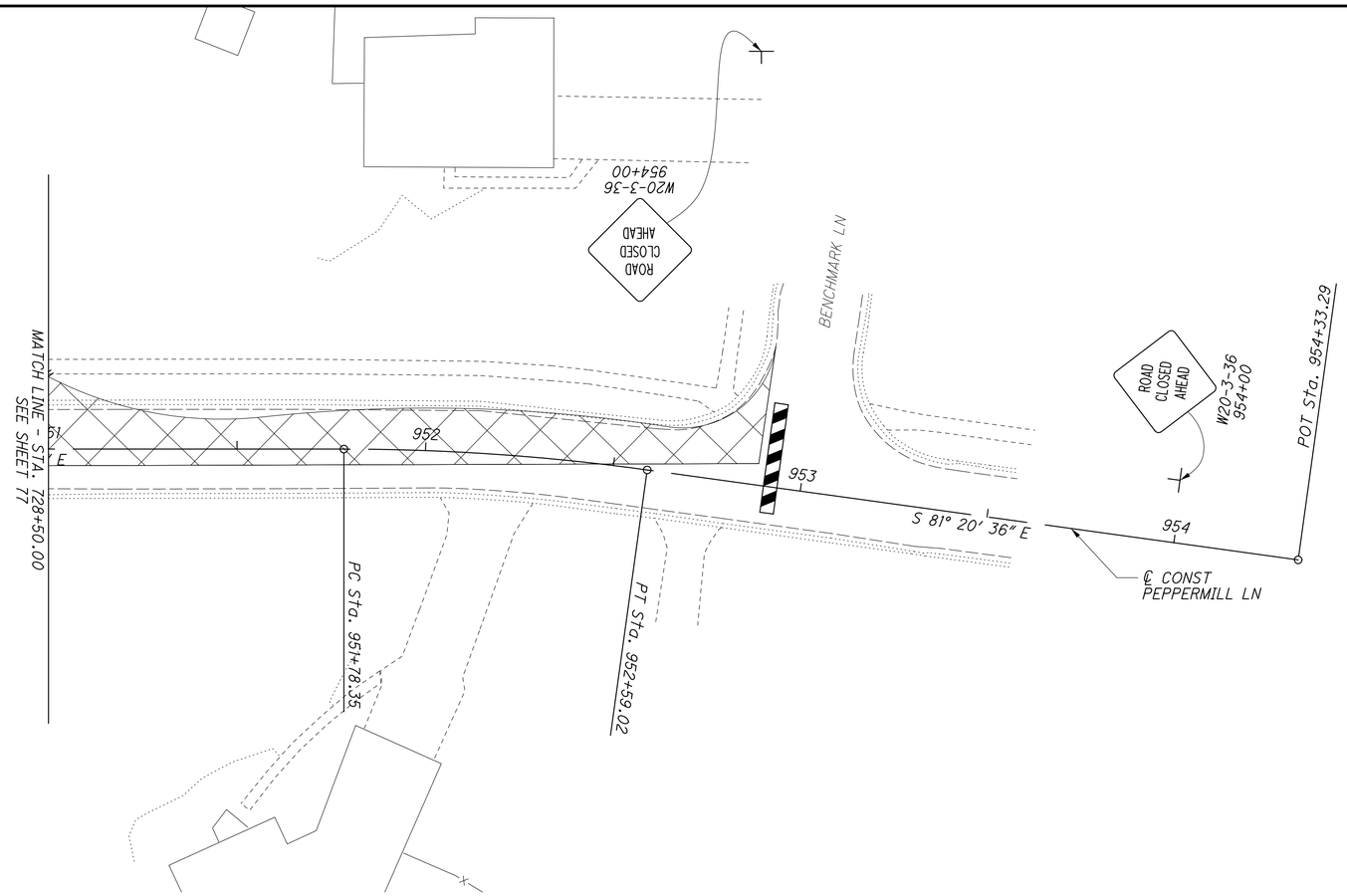
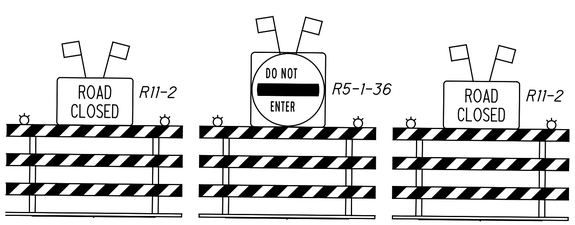


NOTE: SEE SHEETS 36 - 37 FOR TEMPORARY WALK PHASING AND DETAILS

NOTE: SEE SHEET 38 FOR DETOUR PLAN

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE		COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE		MOT DRUMS
WEL	WORK ZONE EDGE LINE		



SOLID ACROSS ROAD OR INTERSECTION (EXCEPT GATES)
10' TYPE III BARRICADE(S) SOLID

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 2

HAM-PLAINFIELD RD ROUNDABOUTS

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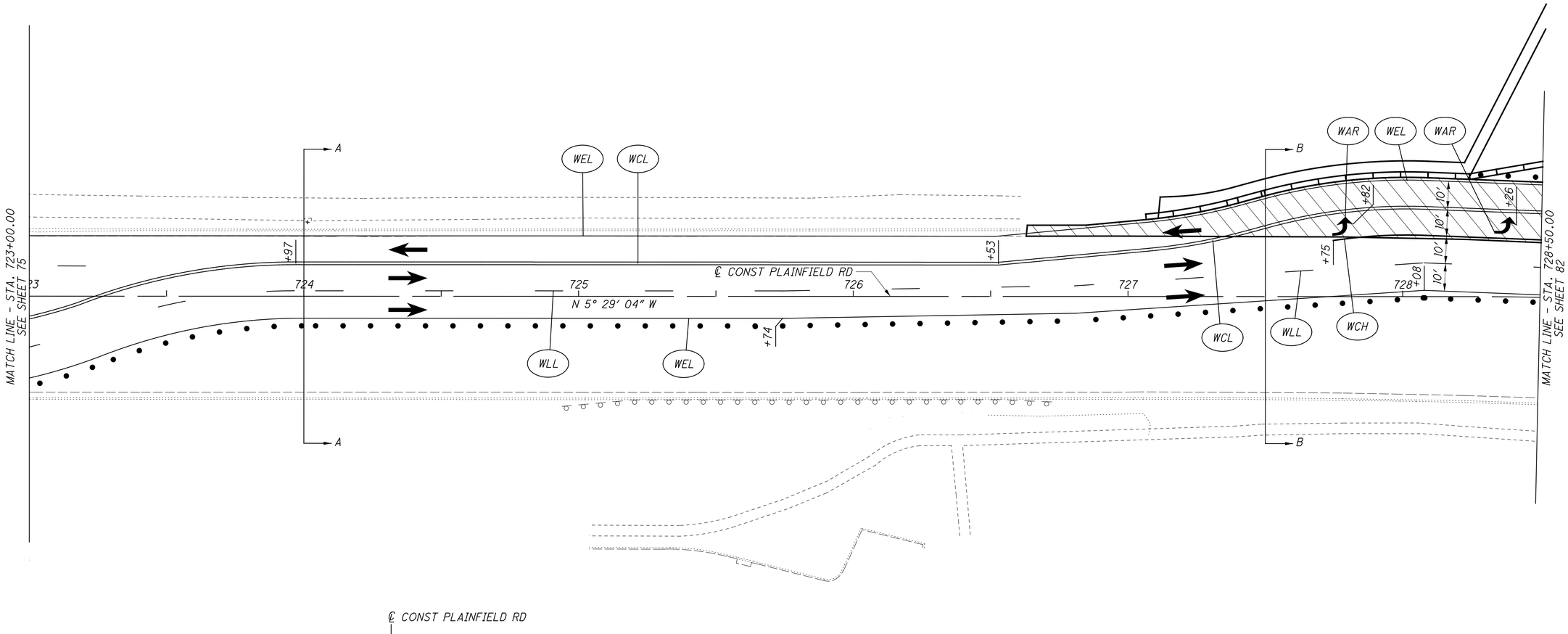
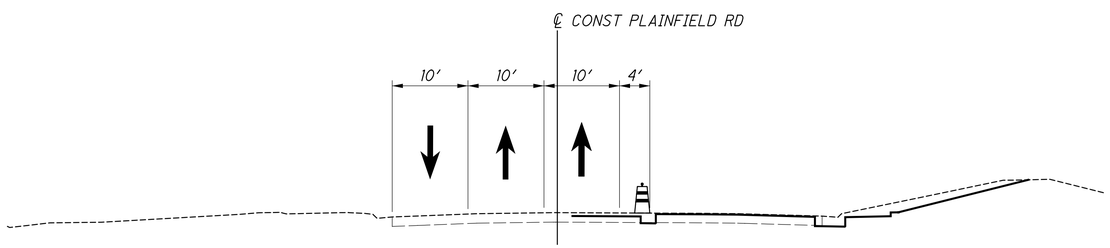
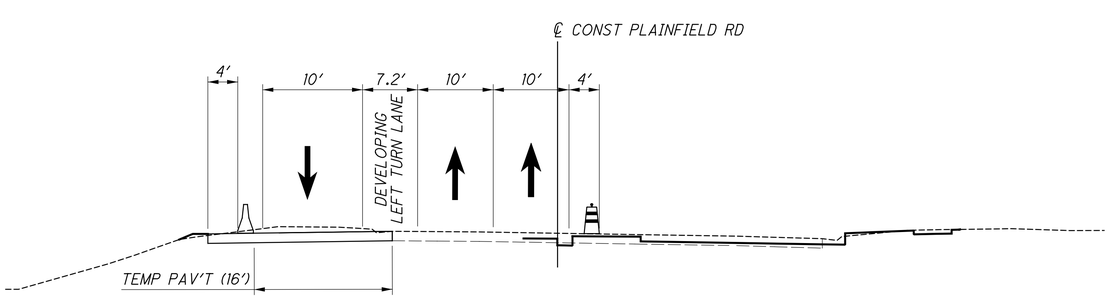




SECTION A-A
STA 724+00.00



SECTION B-B
STA 727+50.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 2A

HAM-PLAINFIELD RD ROUNDABOUTS

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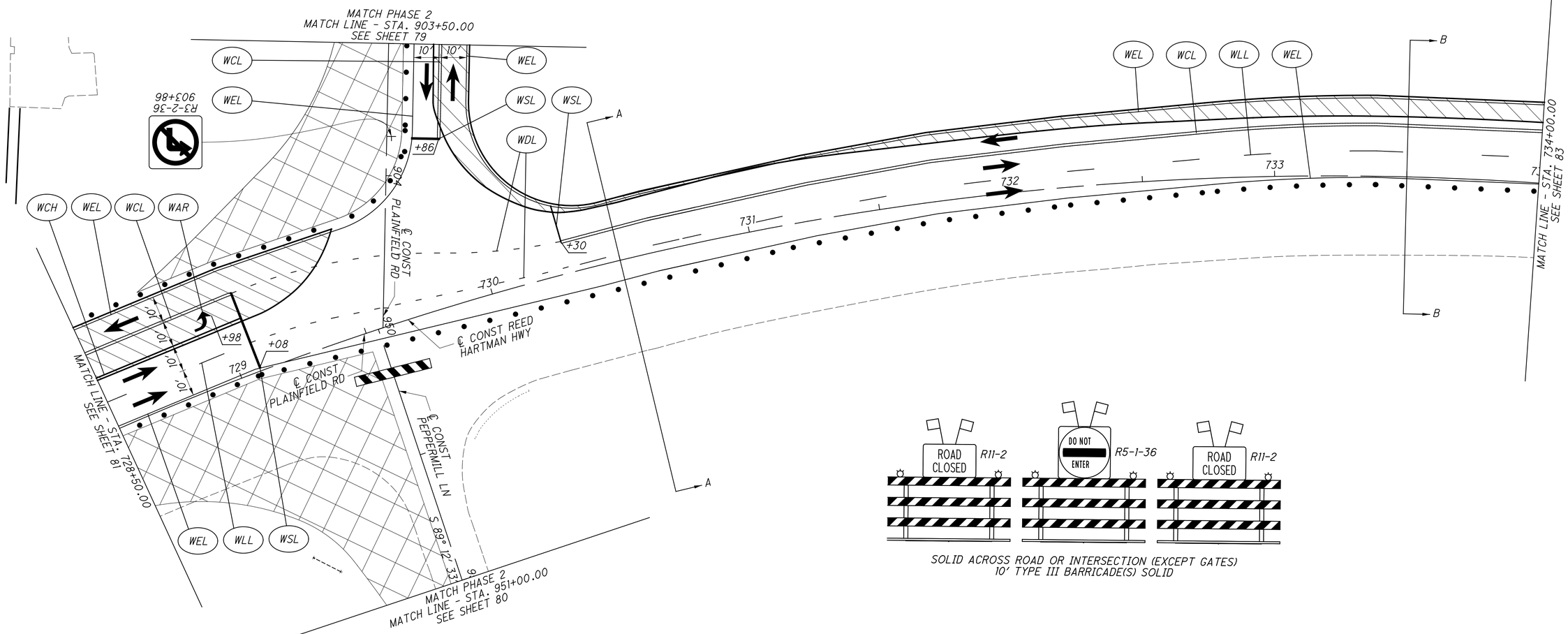
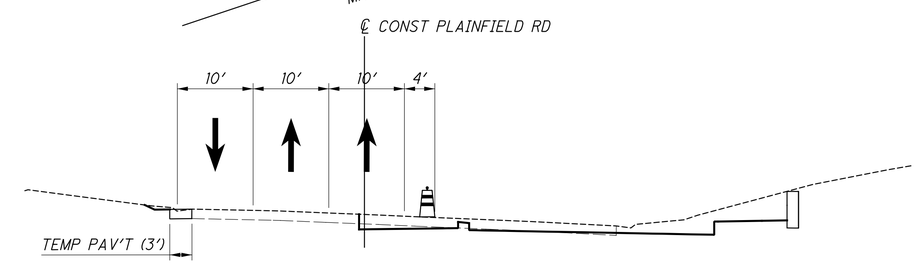


SOLID ACROSS ROAD OR INTERSECTION (EXCEPT GATES)
10' TYPE III BARRICADE(S) SOLID

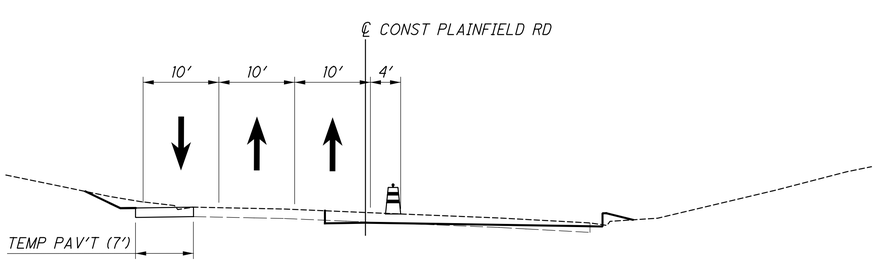
NOTE: RESTRICT LEFT TURN MOVEMENTS FROM EB PLAINFIELD RD TO NB REED HARTMAN HWY

SEE SHEETS 36 - 37 FOR TEMPORARY WALK PHASING AND DETAILS

NOTE: SEE SHEET 38 FOR DETOUR PLAN



SECTION A-A
STA 730+60.00



SECTION A-A
STA 730+60.00

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE		MOT DRUMS
WEL	WORK ZONE EDGE LINE		
WEL	WORK ZONE DOTTED LINE		

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 2A

HAM-PLAINFIELD RD ROUNDABOUTS

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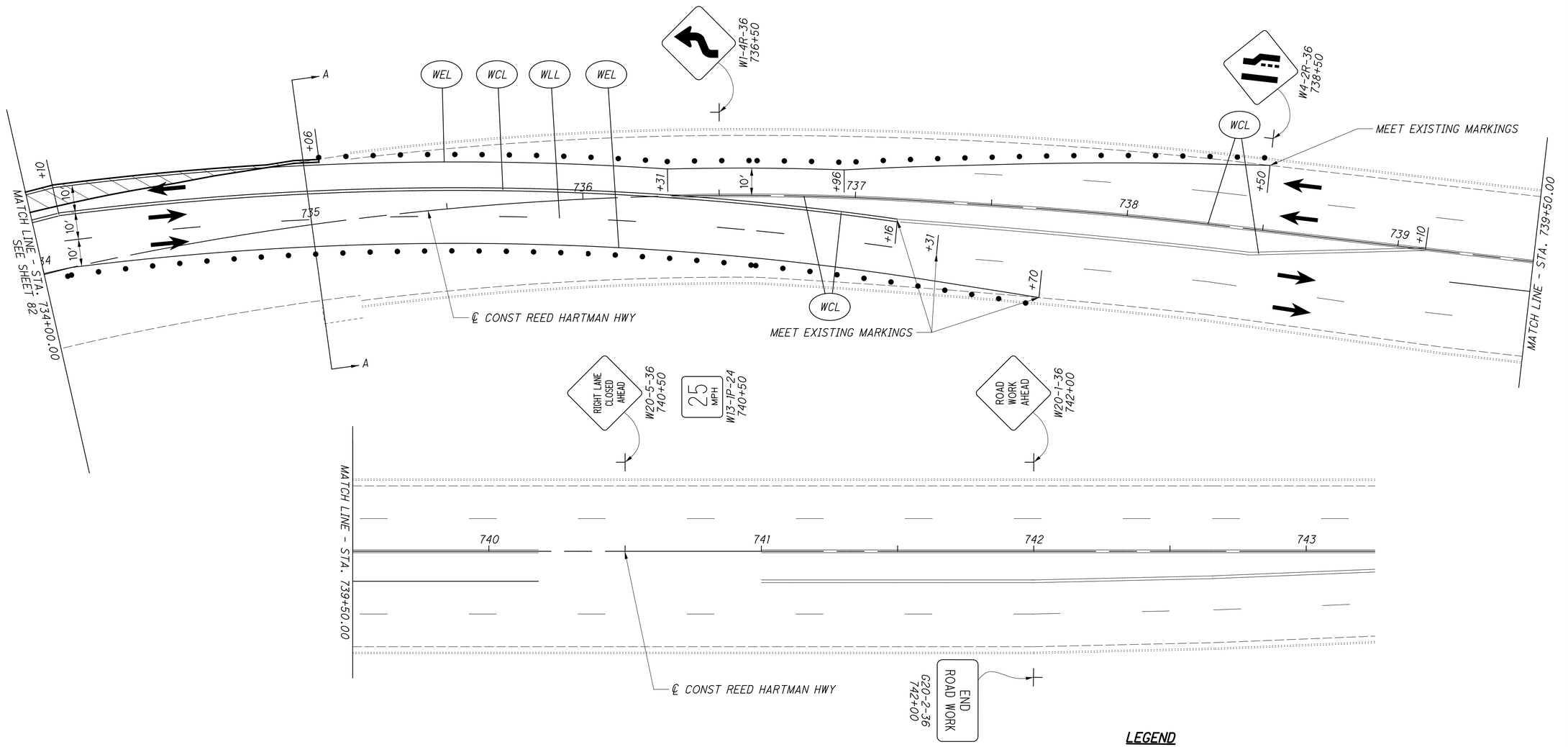

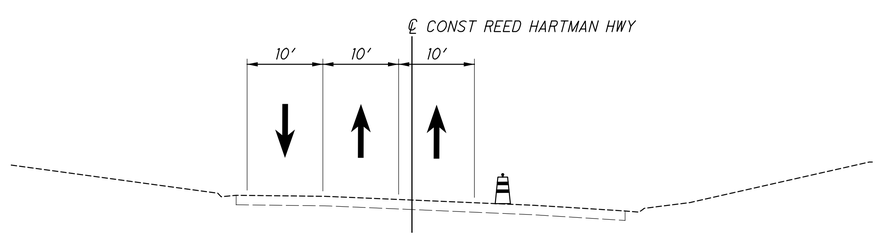

SECTION A-A
STA 735+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 2A

HAM-PLAINFIELD RD ROUNDABOUTS

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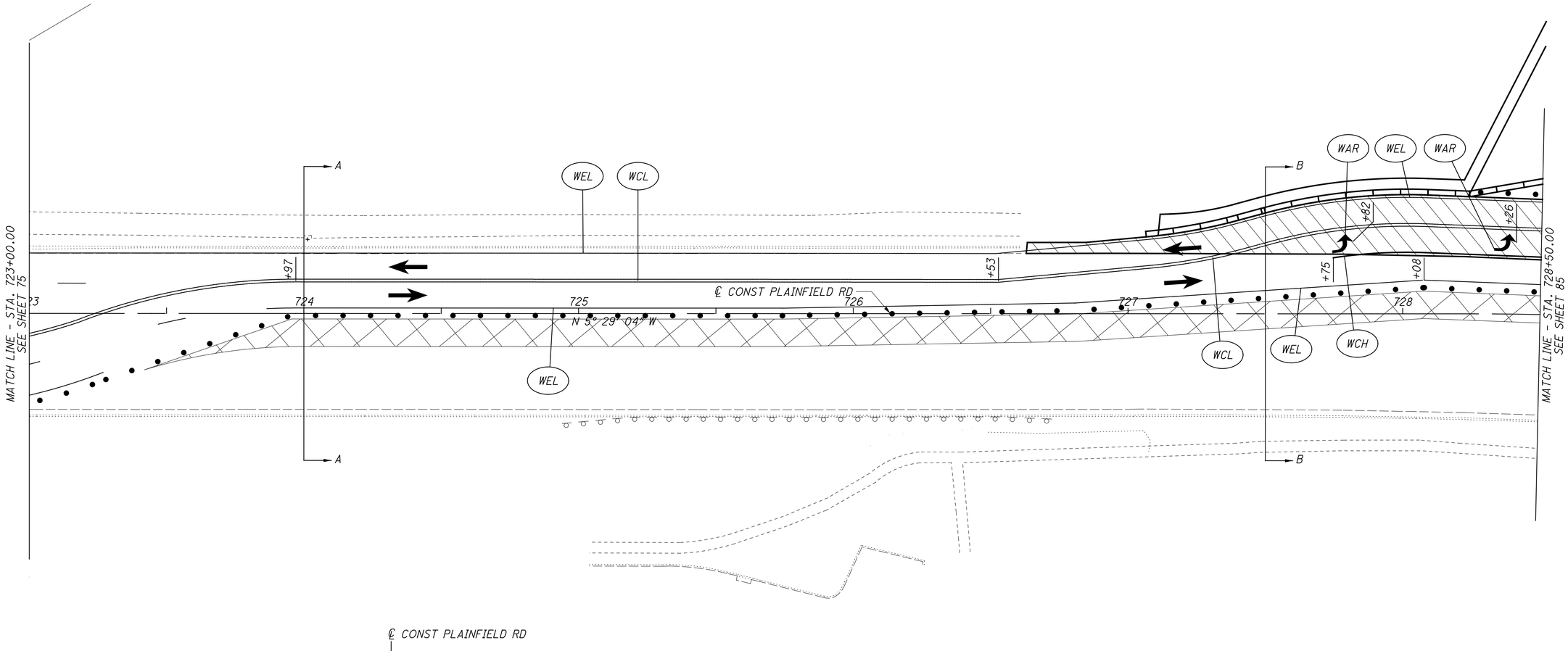
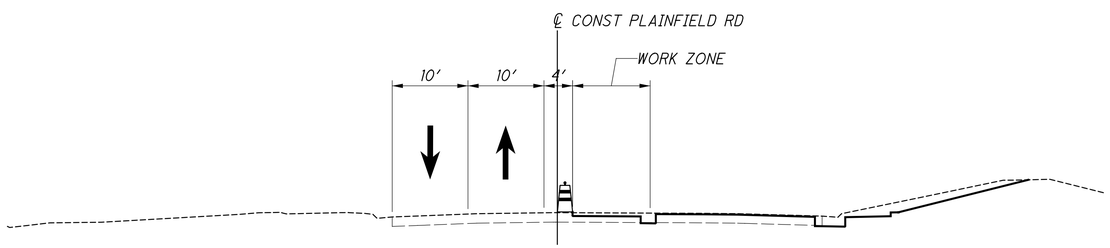
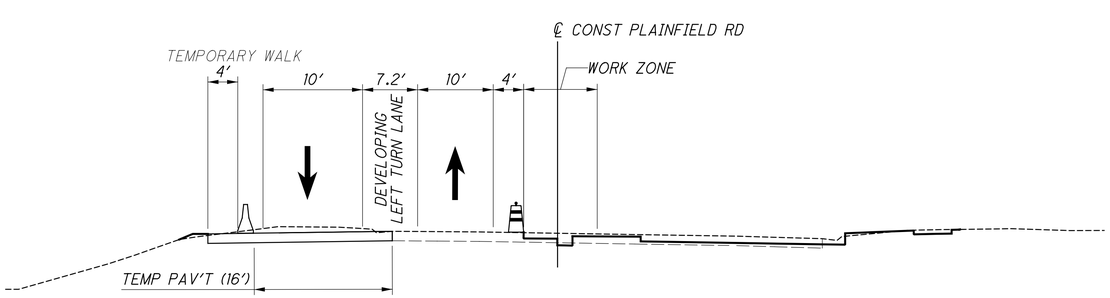




SECTION A-A
STA 724+00.00



SECTION B-B
STA 727+50.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 2B

HAM-PLAINFIELD RD ROUNDABOUTS

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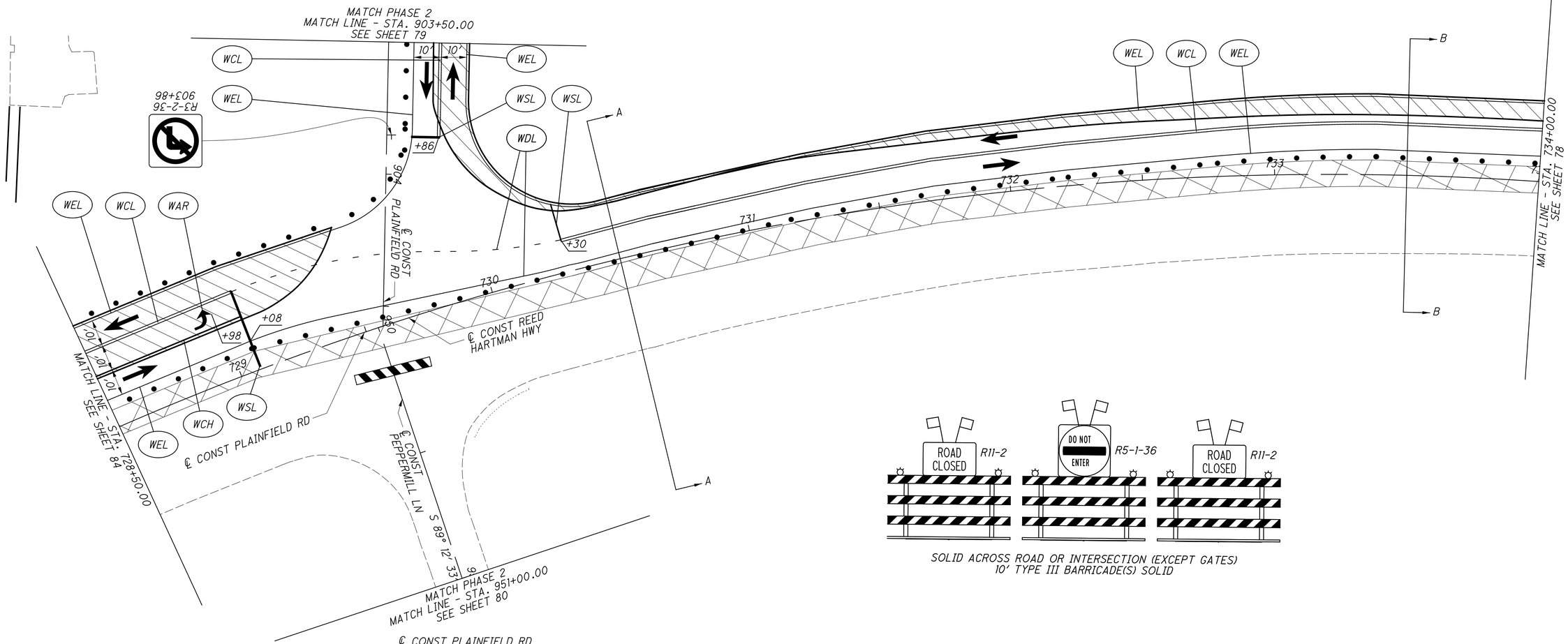
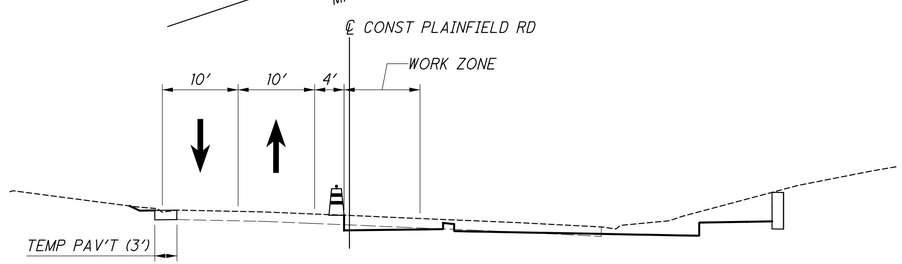


SOLID ACROSS ROAD OR INTERSECTION (EXCEPT GATES)
10' TYPE III BARRICADE(S) SOLID

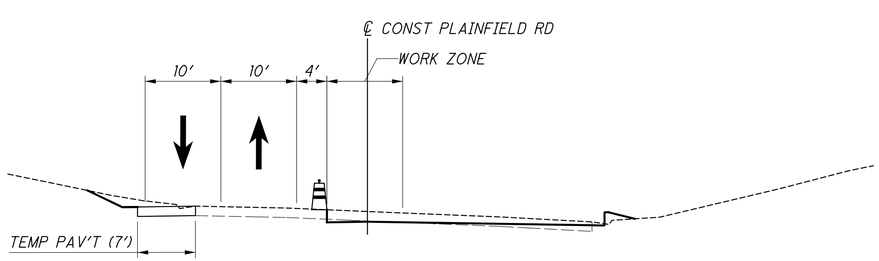
NOTE: RESTRICT LEFT TURN MOVEMENTS FROM EB PLAINFIELD RD TO NB REED HARTMAN HWY

SEE SHEETS 36 - 37 FOR TEMPORARY WALK PHASING AND DETAILS

NOTE: SEE SHEET 38 FOR DETOUR PLAN



SECTION A-A
STA 730+60.00



SECTION A-A
STA 729+60.00

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE		MOT DRUMS
WEL	WORK ZONE EDGE LINE		
WDL	WORK ZONE DOTTED LINE		

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 2B

HAM-PLAINFIELD RD ROUNDABOUTS

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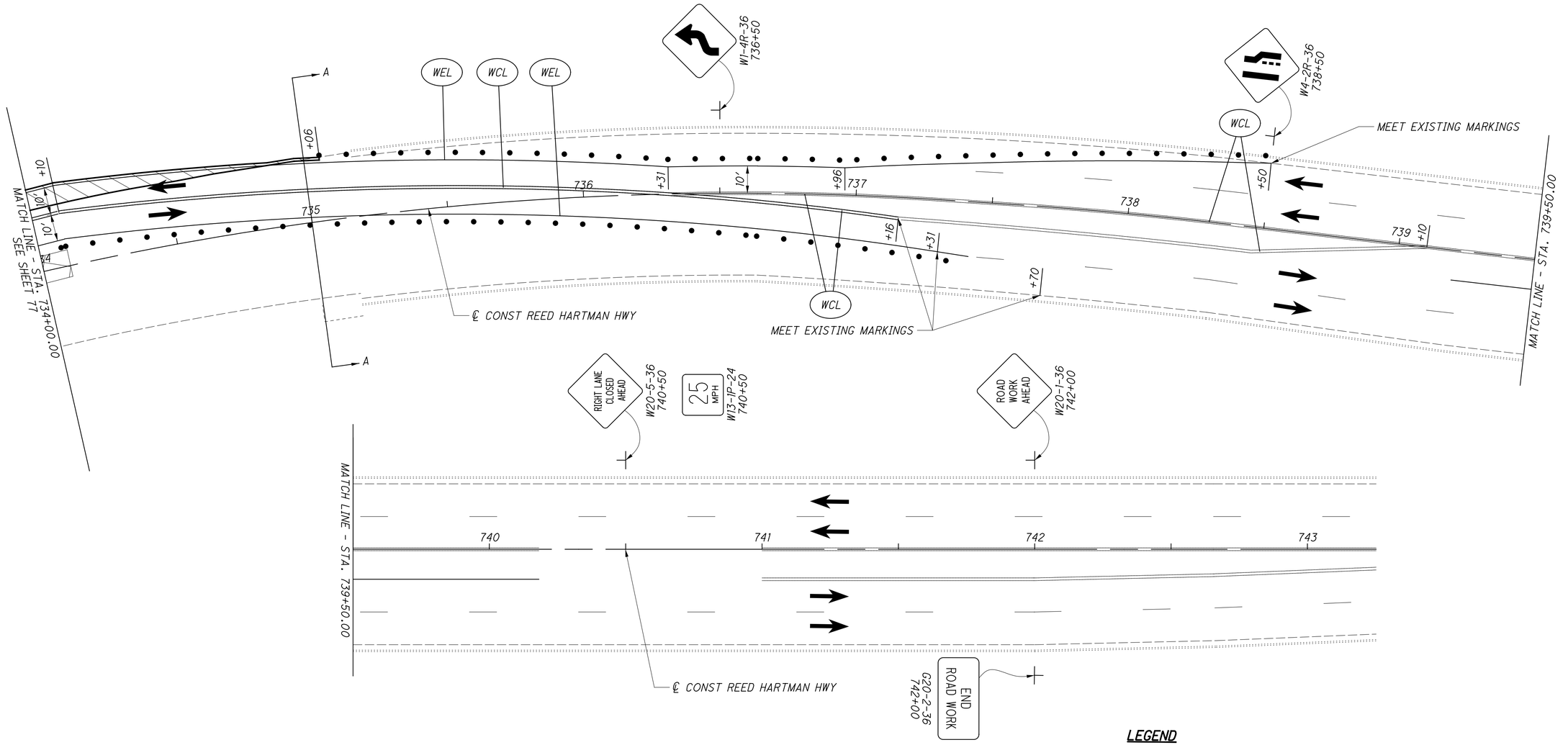

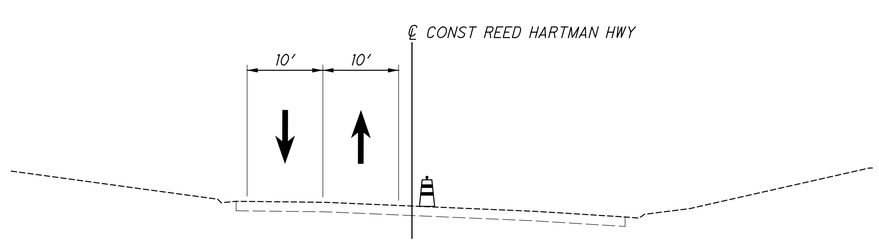

SECTION A-A
STA 735+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 2B

HAM-PLAINFIELD RD ROUNDABOUTS

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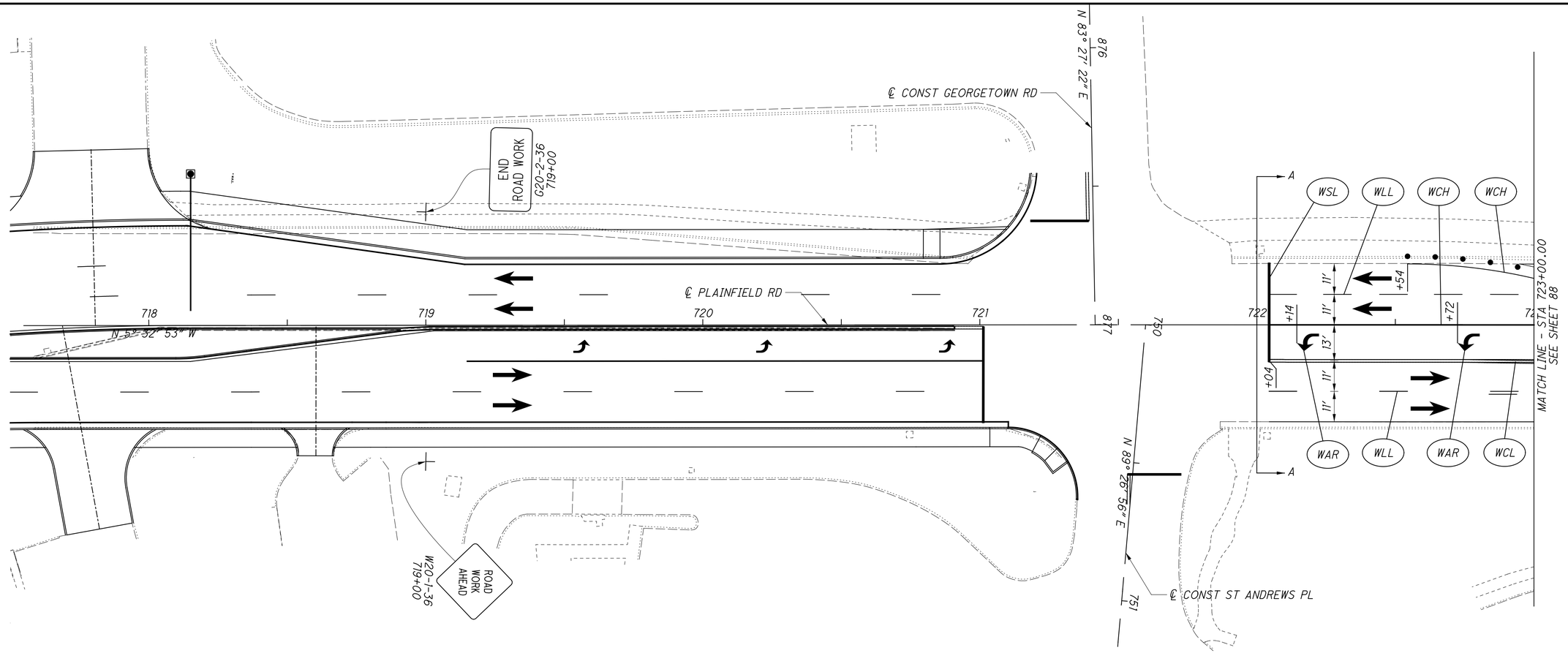

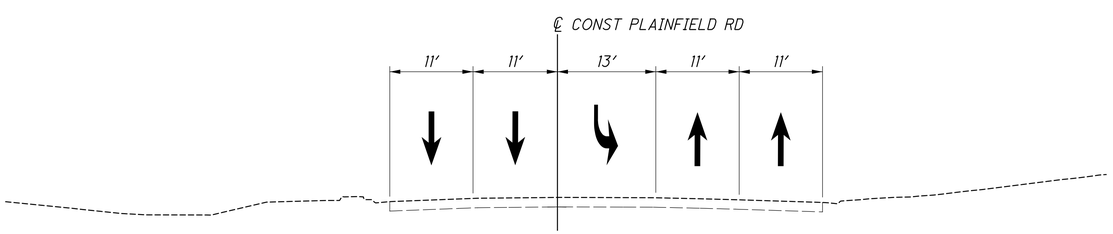

SECTION A-A
STA 722+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 3

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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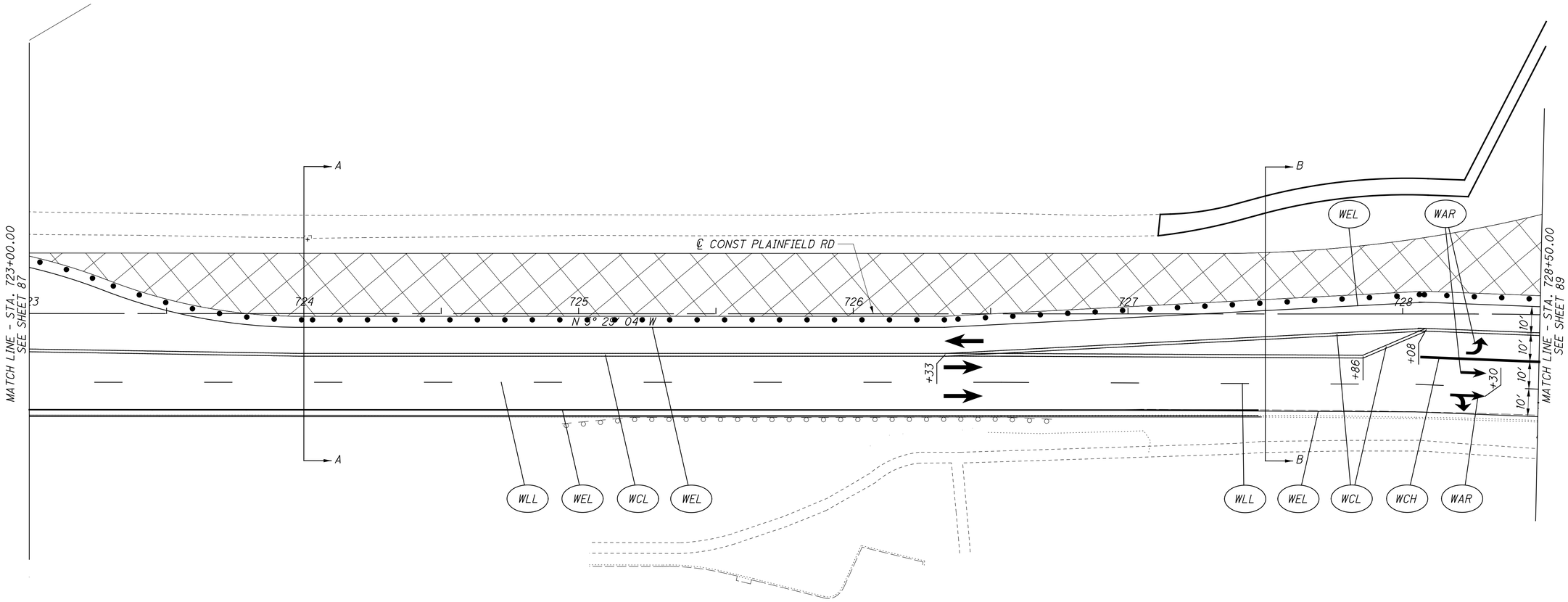
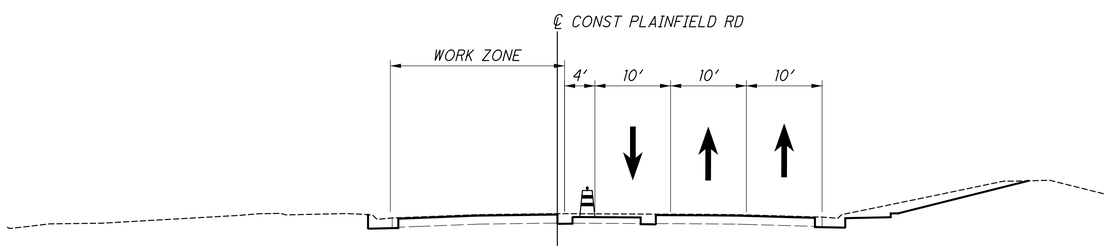
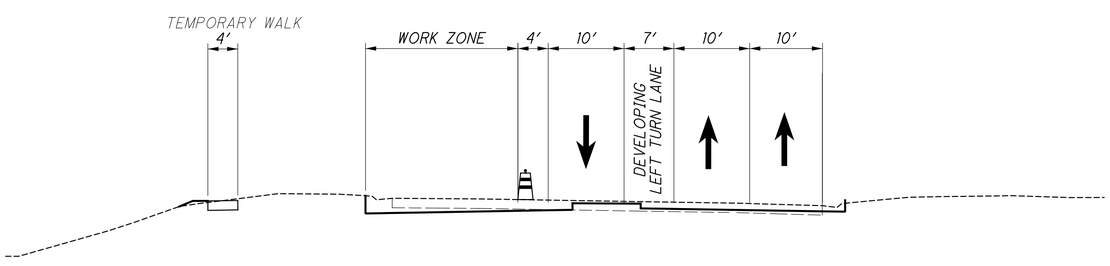




SECTION A-A
STA 724+00.00



SECTION B-B
STA 727+50.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WSL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 3

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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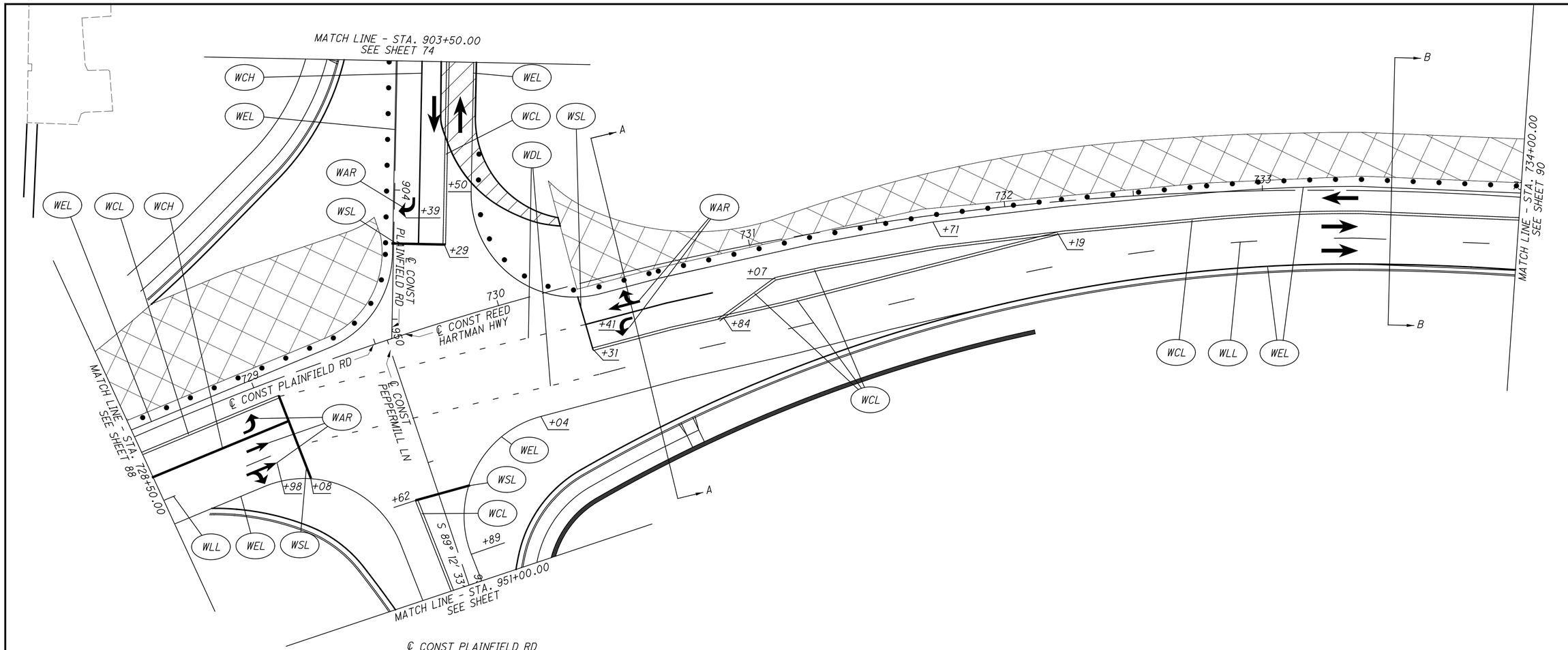

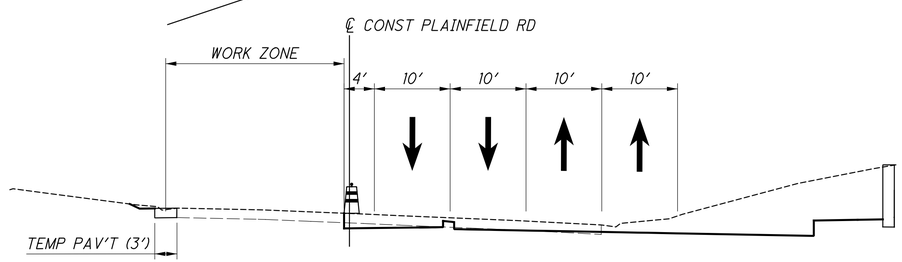

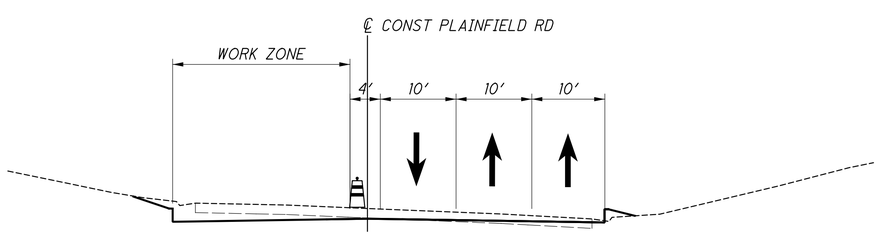

SECTION A-A
STA 733+50.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 3

HAM-PLAINFIELD RD ROUNDABOUTS

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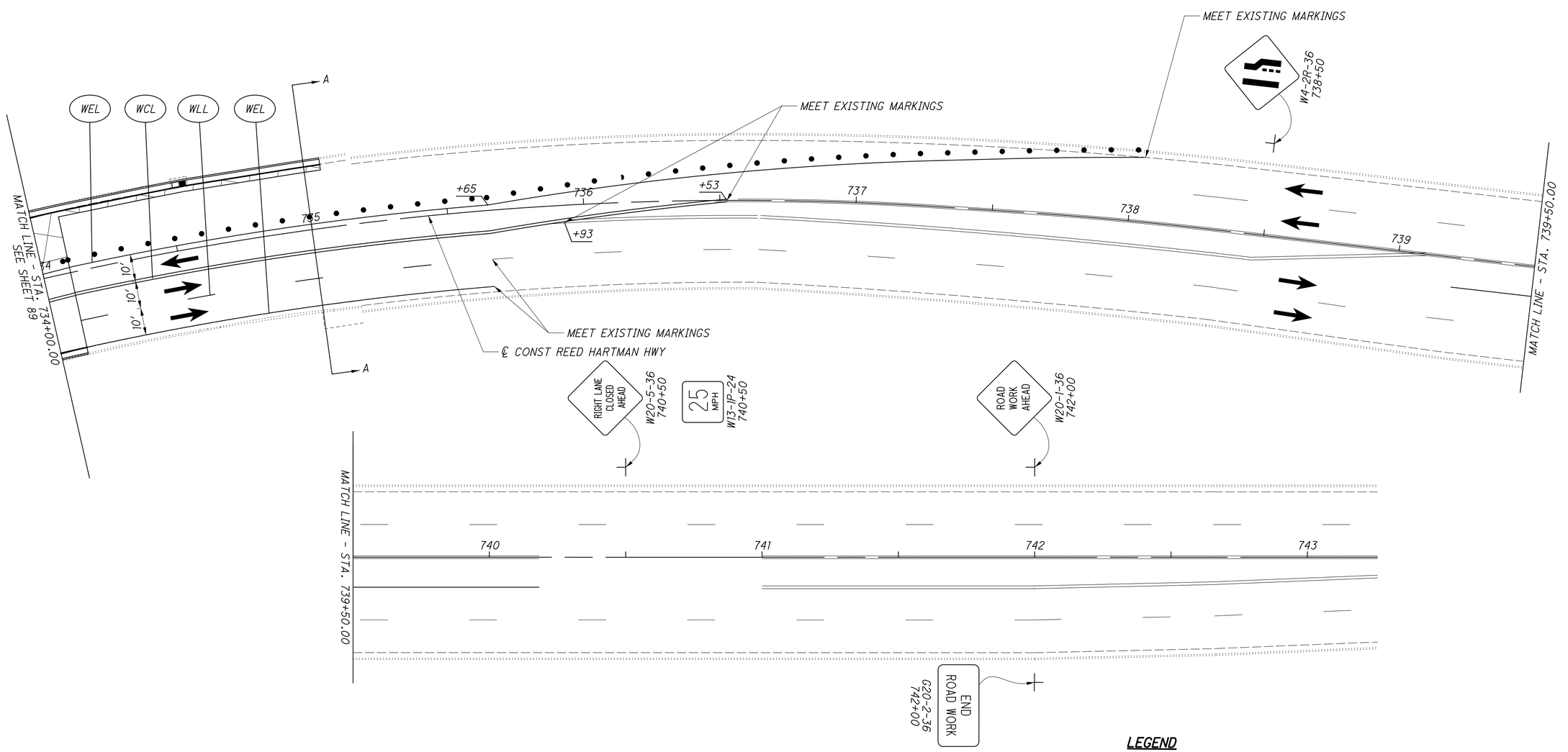

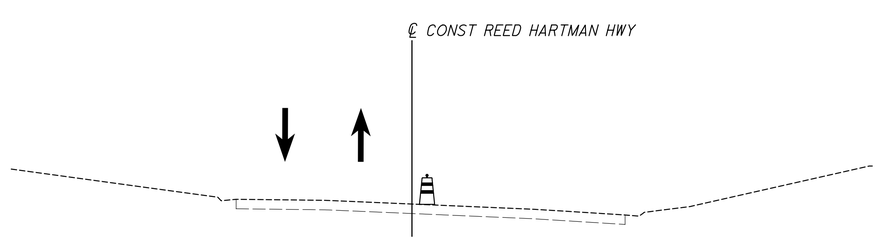

SECTION A-A
STA 738+00.00

LEGEND

WSL	WORK ZONE STOP LINE
WAR	WORK ZONE LANE ARROW
WCH	WORK ZONE CHANNELIZING LINE
WLL	WORK ZONE LANE LINE
WDL	WORK ZONE DOTTED LINE
WCL	WORK ZONE CENTER LINE
WEL	WORK ZONE EDGE LINE

TRAFFIC PATTERN

WORK AREA

TEMPORARY PAVEMENT CONSTRUCTION

TYPE III BARRICADE

COVERED OR PARTIALLY COVERED EXISTING SIGN

MOT DRUMS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 3

HAM-PLAINFIELD RD ROUNDABOUTS

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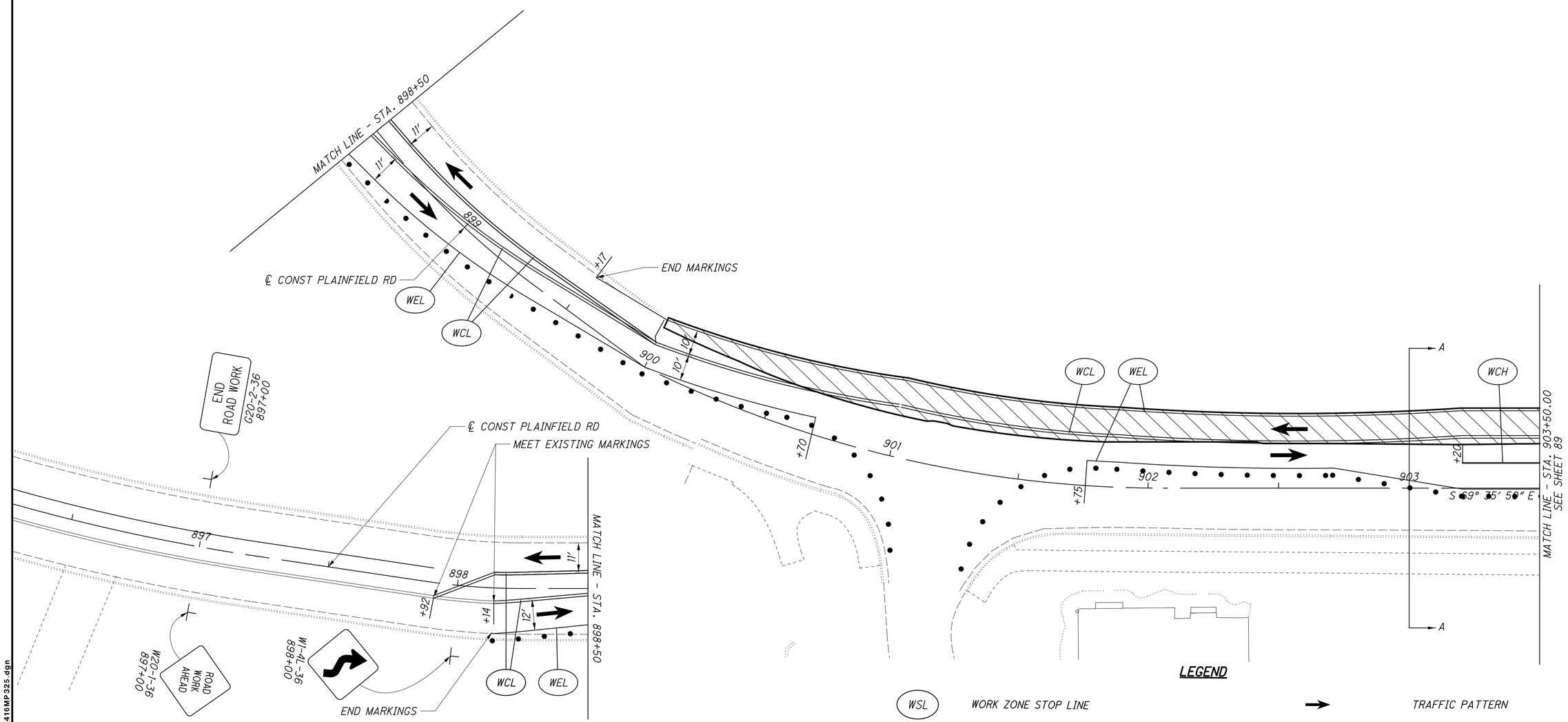

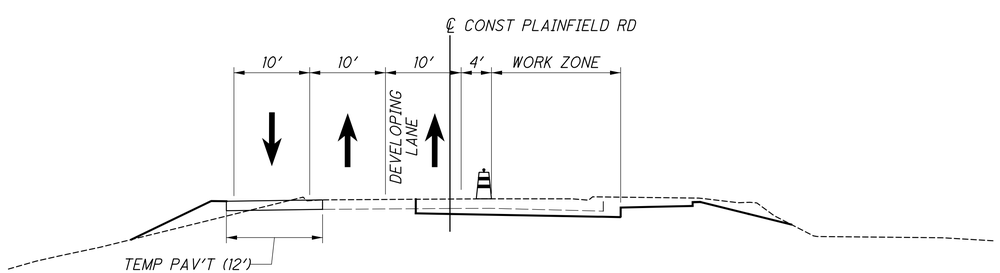

SECTION A-A
STA 903+00.00

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE	• • •	MOT DRUMS
WEL	WORK ZONE EDGE LINE		

N

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 3

HAM-PLAINFIELD RD ROUNDABOUTS

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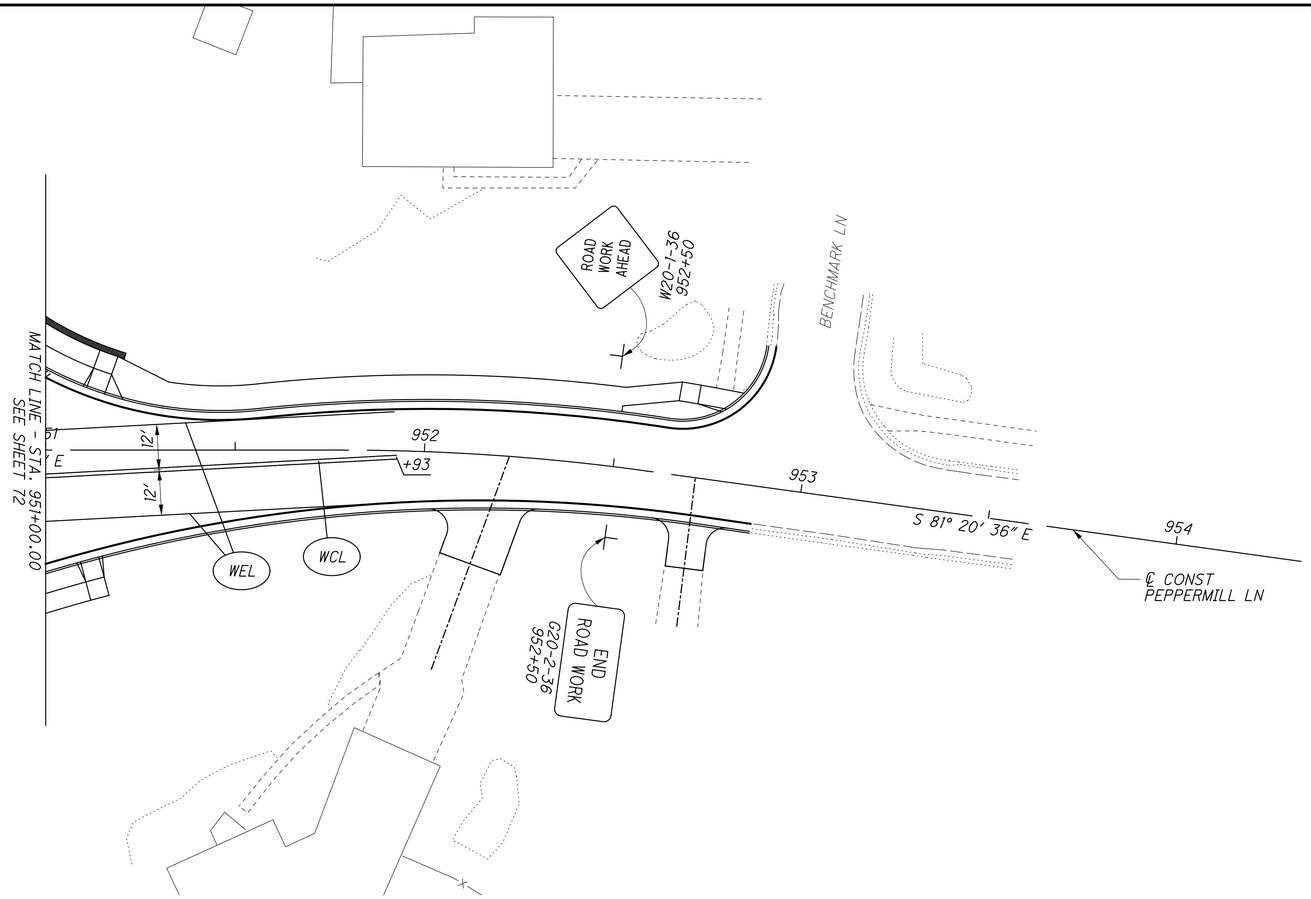

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE		COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE		MOT DRUMS
WEL	WORK ZONE EDGE LINE		

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 3

HAM-PLAINFIELD RD ROUNDABOUTS

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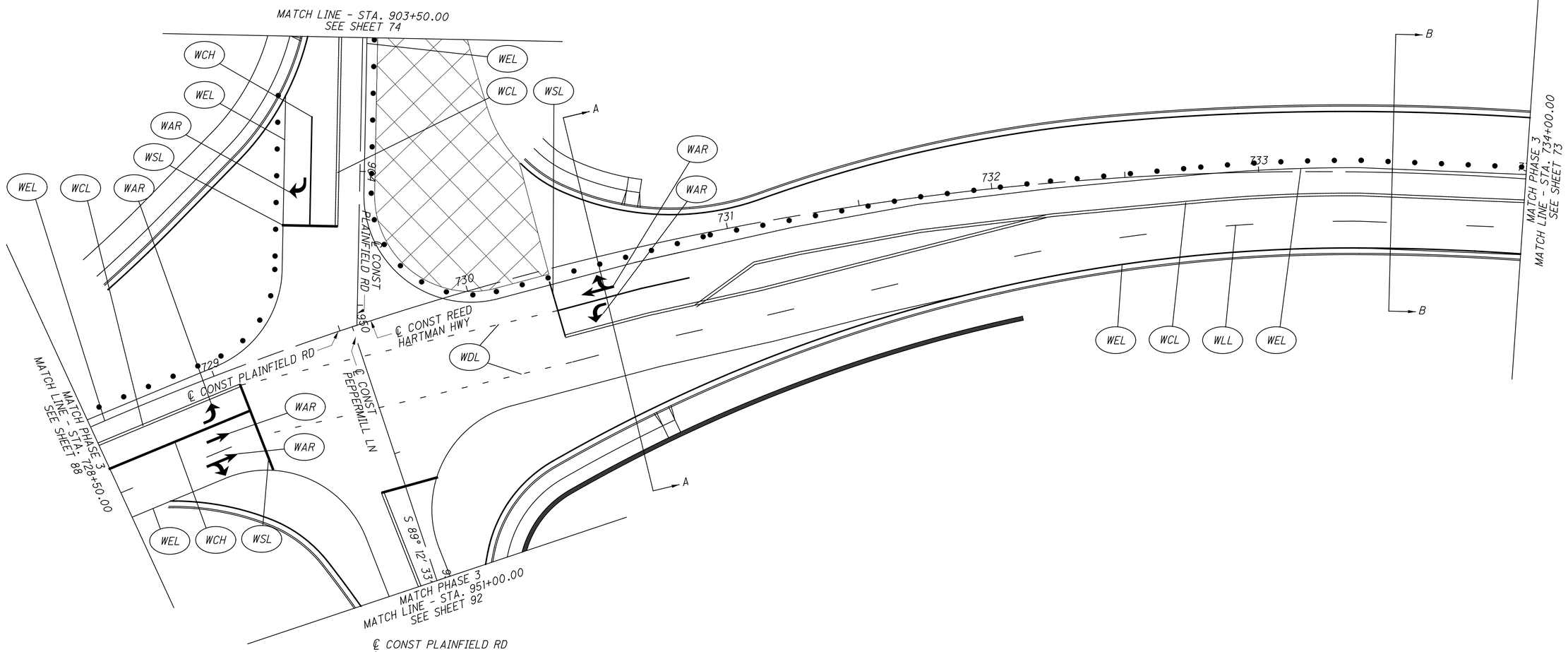

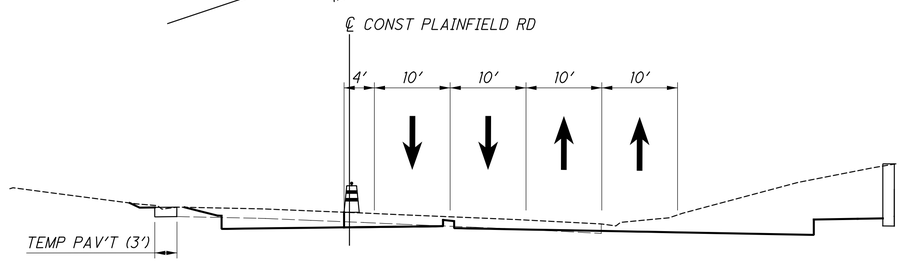

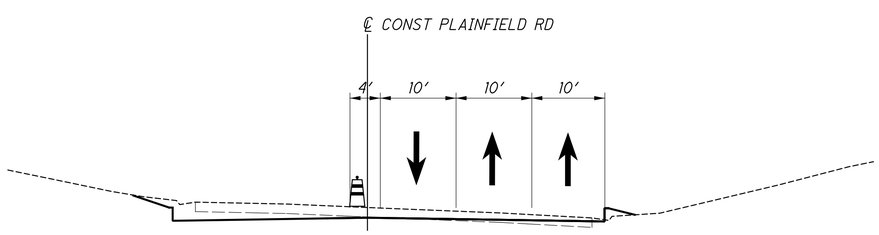

SECTION A-A
STA 733+50.00

NOTE: SEE SHEETS 36 - 37 FOR TEMPORARY WALK PHASING AND DETAILS

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE		MOT DRUMS
WEL	WORK ZONE EDGE LINE		

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 3A

HAM-PLAINFIELD RD ROUNDABOUTS

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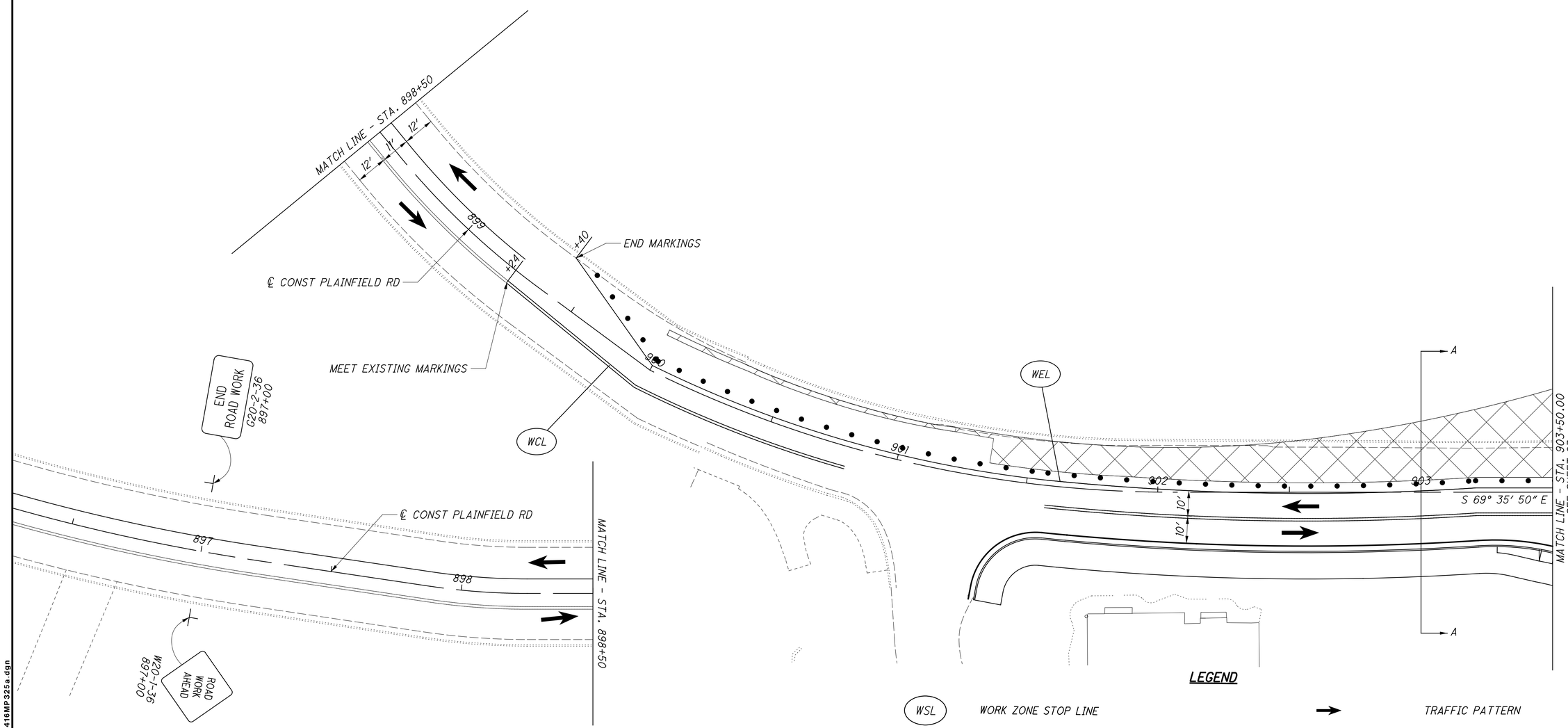

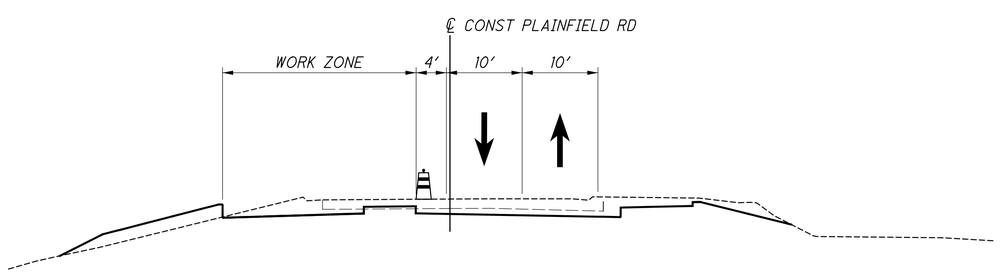

SECTION A-A
STA 903+00.00

LEGEND

WSL	WORK ZONE STOP LINE	→	TRAFFIC PATTERN
WAR	WORK ZONE LANE ARROW		WORK AREA
WCH	WORK ZONE CHANNELIZING LINE		TEMPORARY PAVEMENT CONSTRUCTION
WLL	WORK ZONE LANE LINE		TYPE III BARRICADE
WDL	WORK ZONE DOTTED LINE	ONLY ONLY	COVERED OR PARTIALLY COVERED EXISTING SIGN
WCL	WORK ZONE CENTER LINE	• • •	MOT DRUMS
WEL	WORK ZONE EDGE LINE		

N

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

MAINTENANCE OF TRAFFIC
PLAINFIELD RD & PEPPERMILL LN - PHASE 3A

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:01:41 AM
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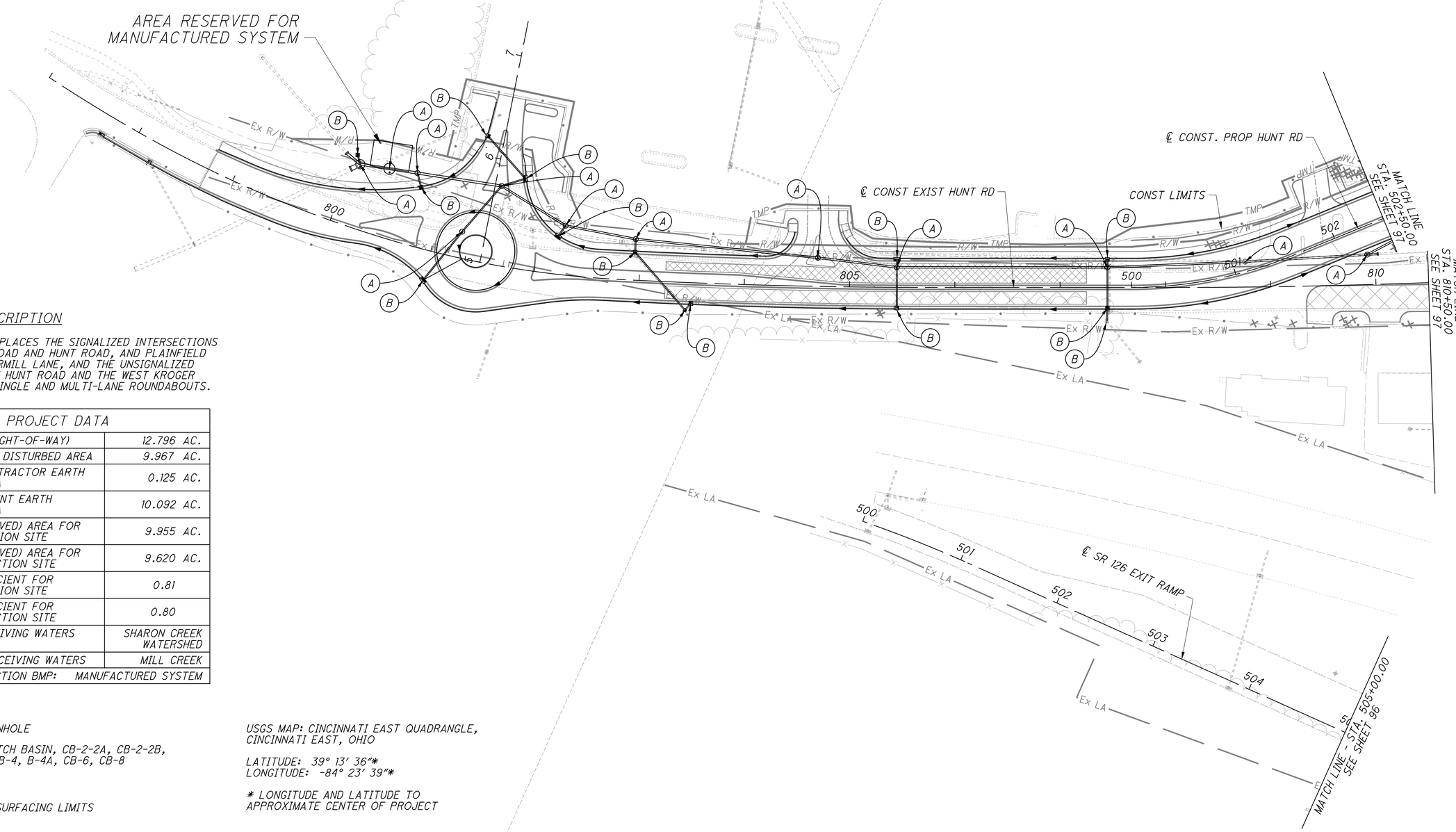
BMP SUMMARY								
BMP TYPE	LOCATION					BMP WIDTH	CONTRIBUTING DRAINAGE AREA	EDA TREATMENT CREDIT
	ALIGNMENT	BEGIN		END				
		STATION	OFFSET	STATION	OFFSET	(FEET)	(ACRES)	(ACRES)
MANUFACTURED SYSTEM	EX HUNT RD	800+41.05	58.40′ LT			N/A	4.46	2.83
						TREATMENT PROVIDED:		2.83
						TREATMENT REQUIRED*		2.77

*CALCULATED PER L&D VOL. 2, SEC 1115.7



PROJECT DESCRIPTION

THIS PROJECT REPLACES THE SIGNALIZED INTERSECTIONS OF PLAINFIELD ROAD AND HUNT ROAD, AND PLAINFIELD ROAD AND PEPPERMILL LANE, AND THE UNSIGNALIZED INTERSECTION OF HUNT ROAD AND THE WEST KROGER ENTRANCE WITH SINGLE AND MULTI-LANE ROUNDABOUTS.

PROJECT DATA	
TOTAL AREA (RIGHT-OF-WAY)	12.796 AC.
PROJECT EARTH DISTURBED AREA	9.967 AC.
ESTIMATED CONTRACTOR EARTH DISTURBED AREA	0.125 AC.
NOTICE OF INTENT EARTH DISTURBED AREA	10.092 AC.
IMPERVIOUS (PAVED) AREA FOR PRE-CONSTRUCTION SITE	9.955 AC.
IMPERVIOUS (PAVED) AREA FOR POST-CONSTRUCTION SITE	9.620 AC.
RUNOFF COEFFICIENT FOR PRE-CONSTRUCTION SITE	0.81
RUNOFF COEFFICIENT FOR POST-CONSTRUCTION SITE	0.80
IMMEDIATE RECEIVING WATERS	SHARON CREEK WATERSHED
SUBSEQUENT RECEIVING WATERS	MILL CREEK
POST CONSTRUCTION BMP:	MANUFACTURED SYSTEM

LEGEND

(A) PROP. MANHOLE

(B) PROP. CATCH BASIN, CB-2-2A, CB-2-2B, CB-2-3, CB-4, B-4A, CB-6, CB-8

PROP. RESURFACING LIMITS

USGS MAP: CINCINNATI EAST QUADRANGLE, CINCINNATI EAST, OHIO

LATITUDE: 39° 13′ 36″*
LONGITUDE: -84° 23′ 39″*

* LONGITUDE AND LATITUDE TO APPROXIMATE CENTER OF PROJECT

N

0 25 50 100
HORIZONTAL SCALE IN FEET

CALCULATED LZS
CHECKED JS

PROJECT SITE PLAN - HUNT RD
STA. 797+00.00 TO STA. 810+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:01:44 AM
01/14/2020
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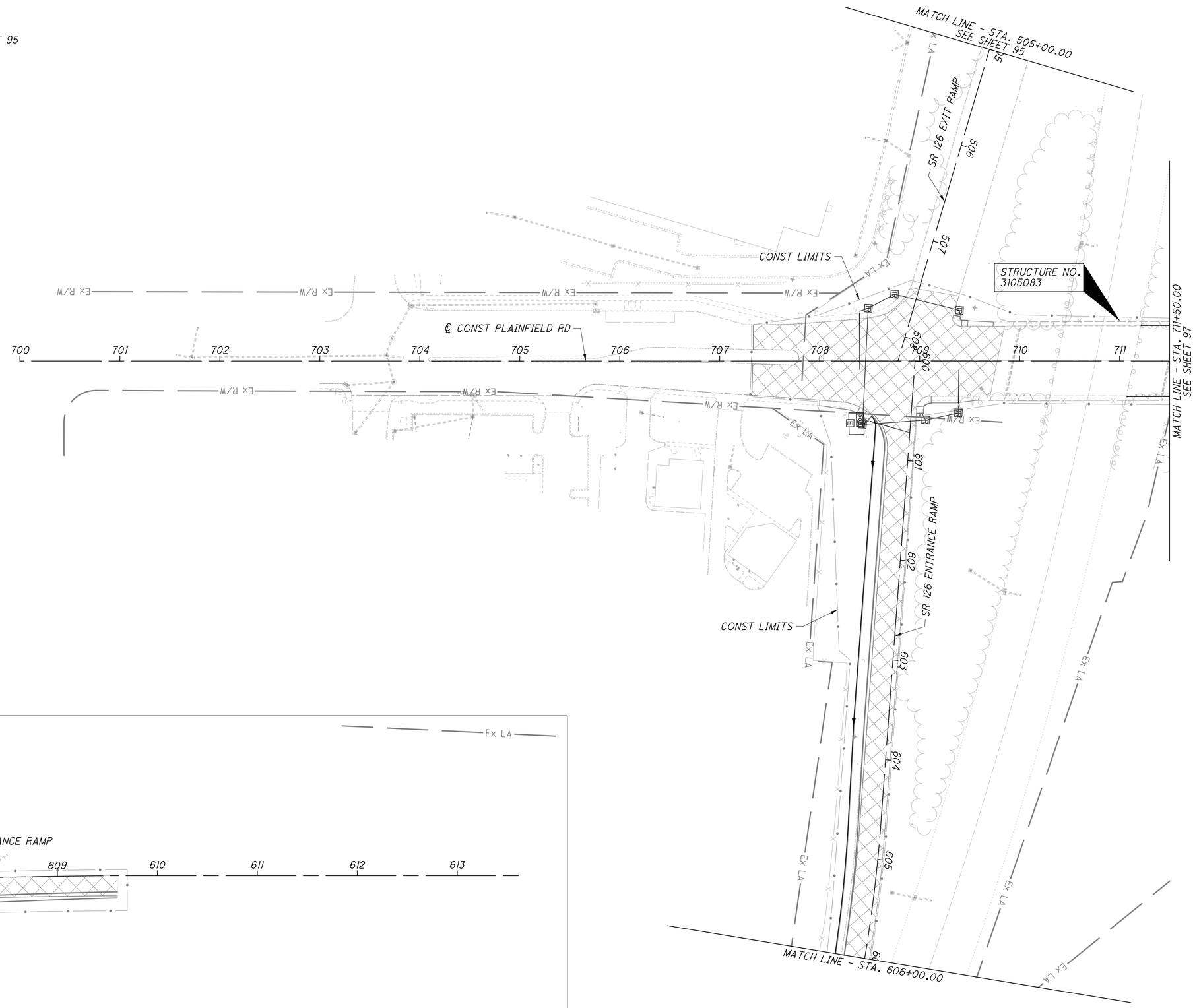
FOR LEGEND AND BMP INFORMATION SEE SHEET 95



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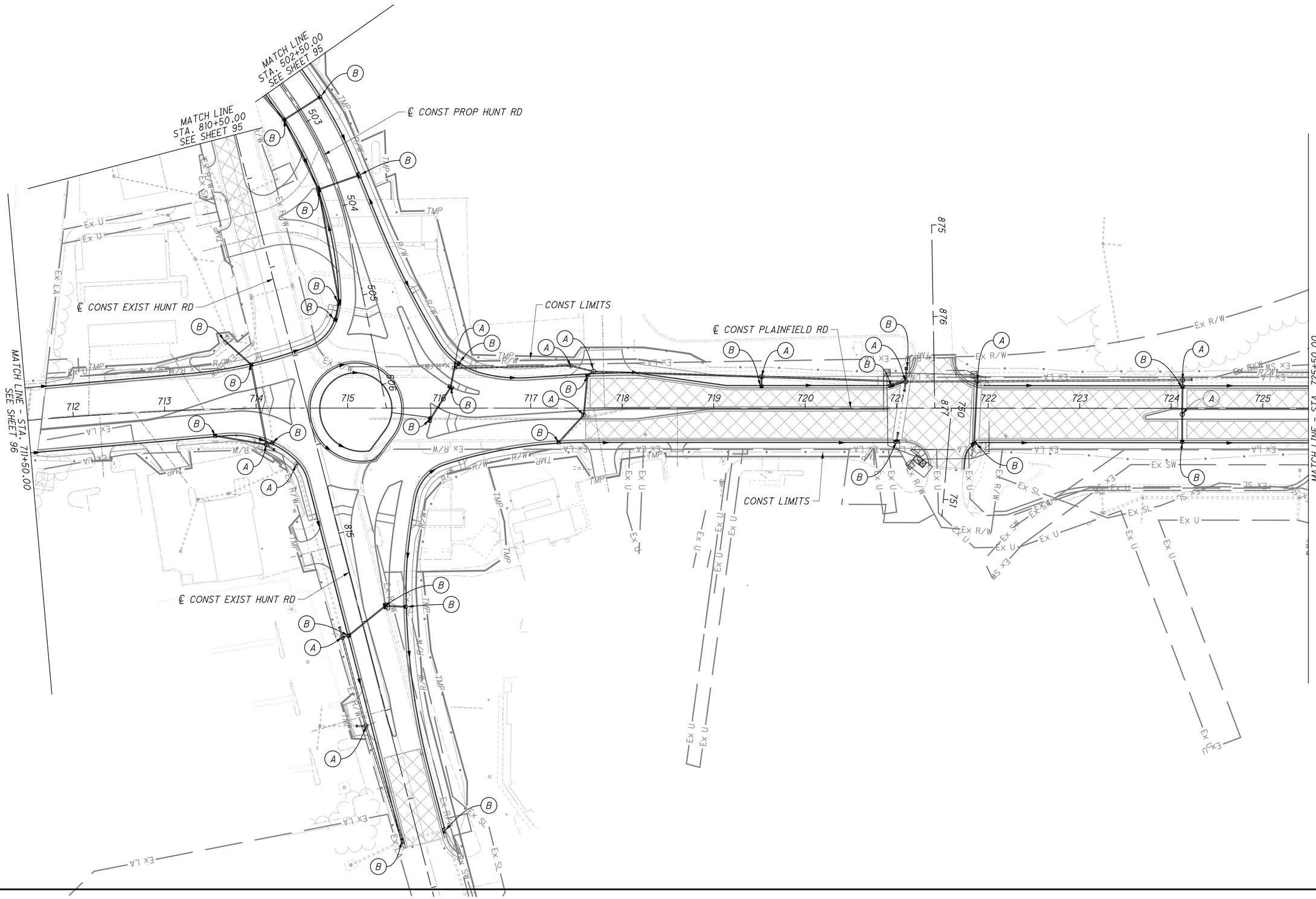
HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED LZS
CHECKED JS

PROJECT SITE PLAN - PLAINFIELD RD
STA. 700+00.00 TO STA. 711+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

FOR LEGEND AND BMP INFORMATION SEE SHEET 95



HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED LZS
CHECKED JS

PROJECT SITE PLAN - PLAINFIELD RD
STA. 711+50.00 TO STA. 725+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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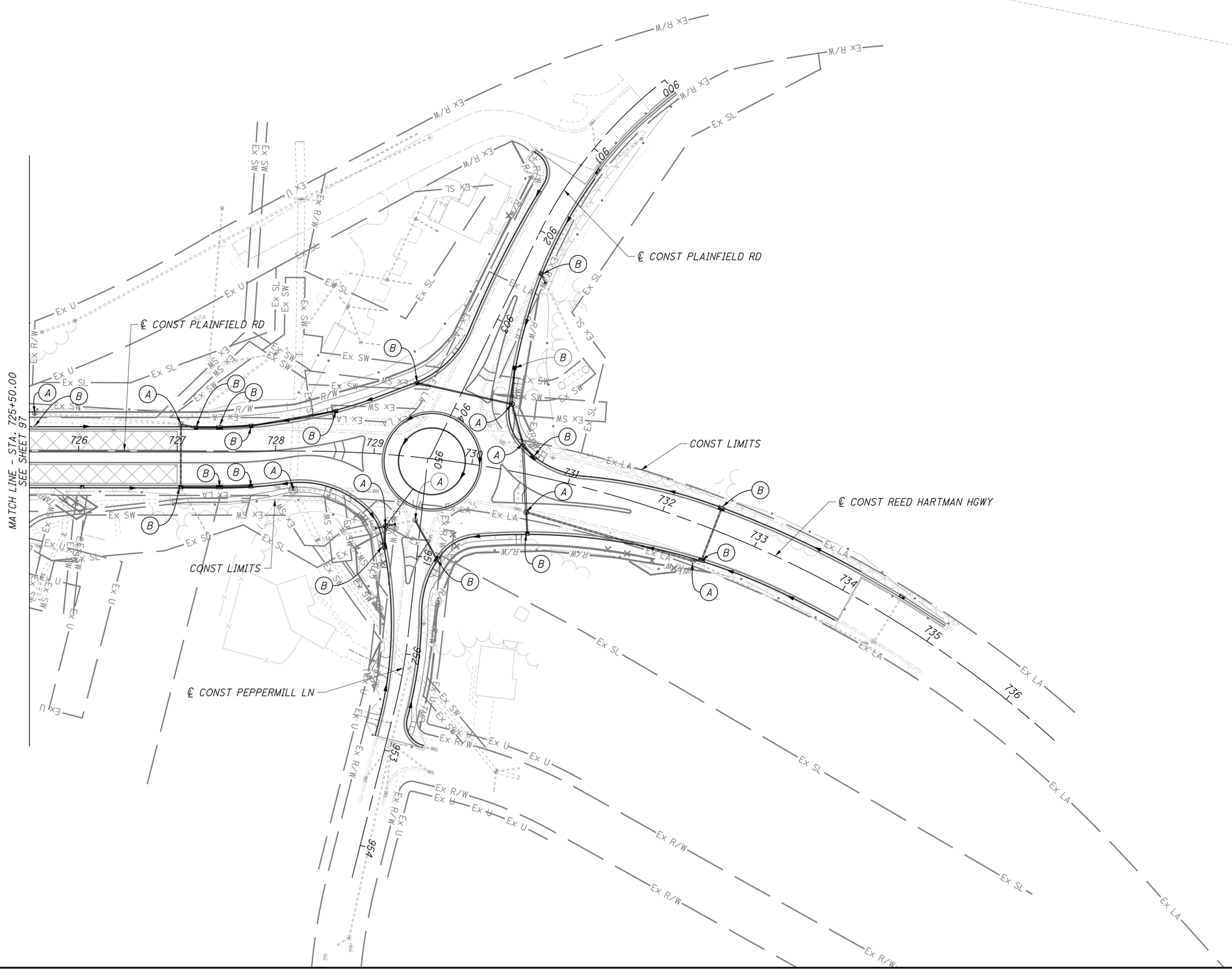
FOR LEGEND AND BMP INFORMATION SEE SHEET 95



HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED LZS
CHECKED JS

PROJECT SITE PLAN - PLAINFIELD RD
STA. 725+50.00 TO STA. 736+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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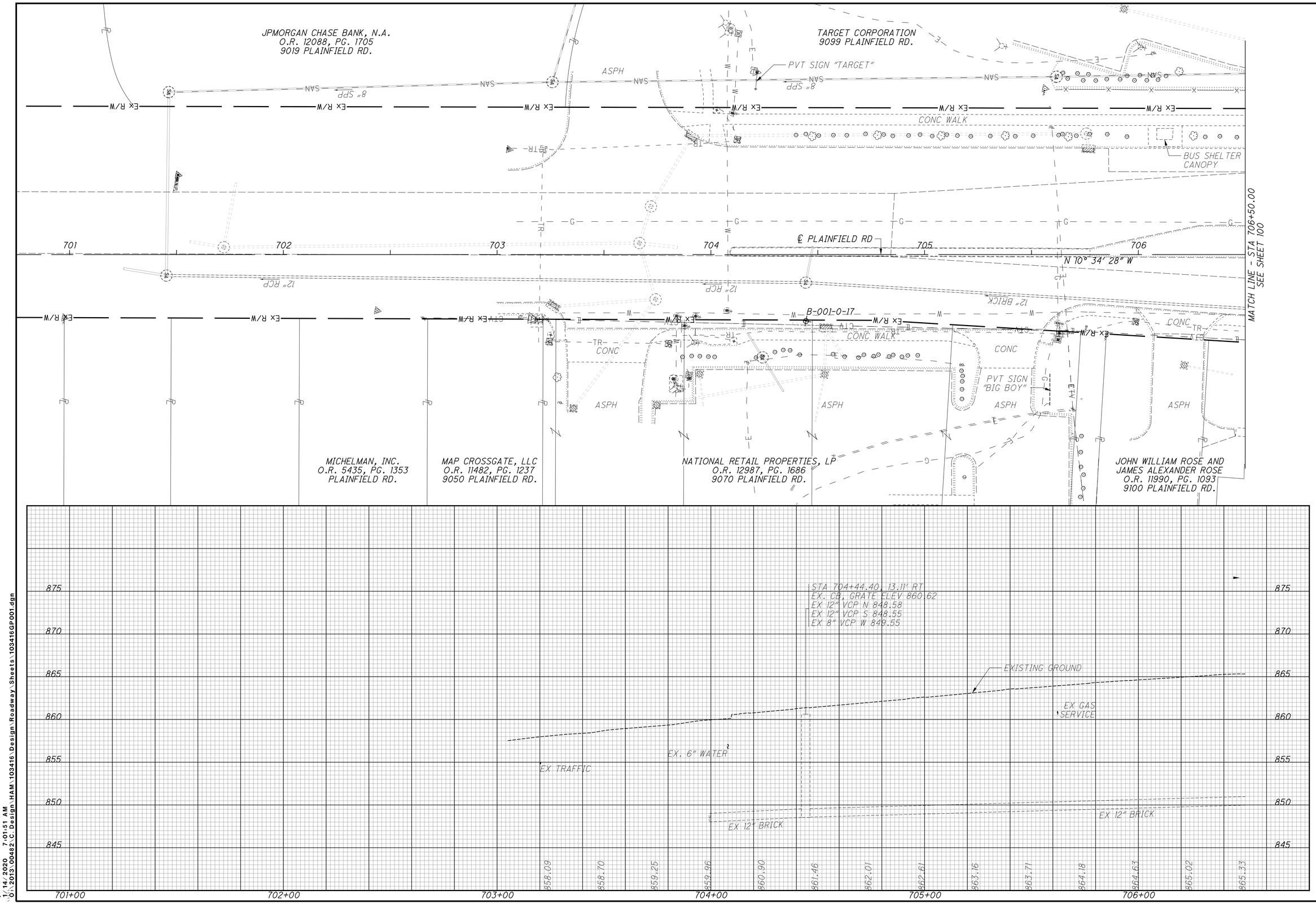

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

PLAN AND PROFILE - PLAINFIELD RD
STA. 701+00.00 TO STA. 706+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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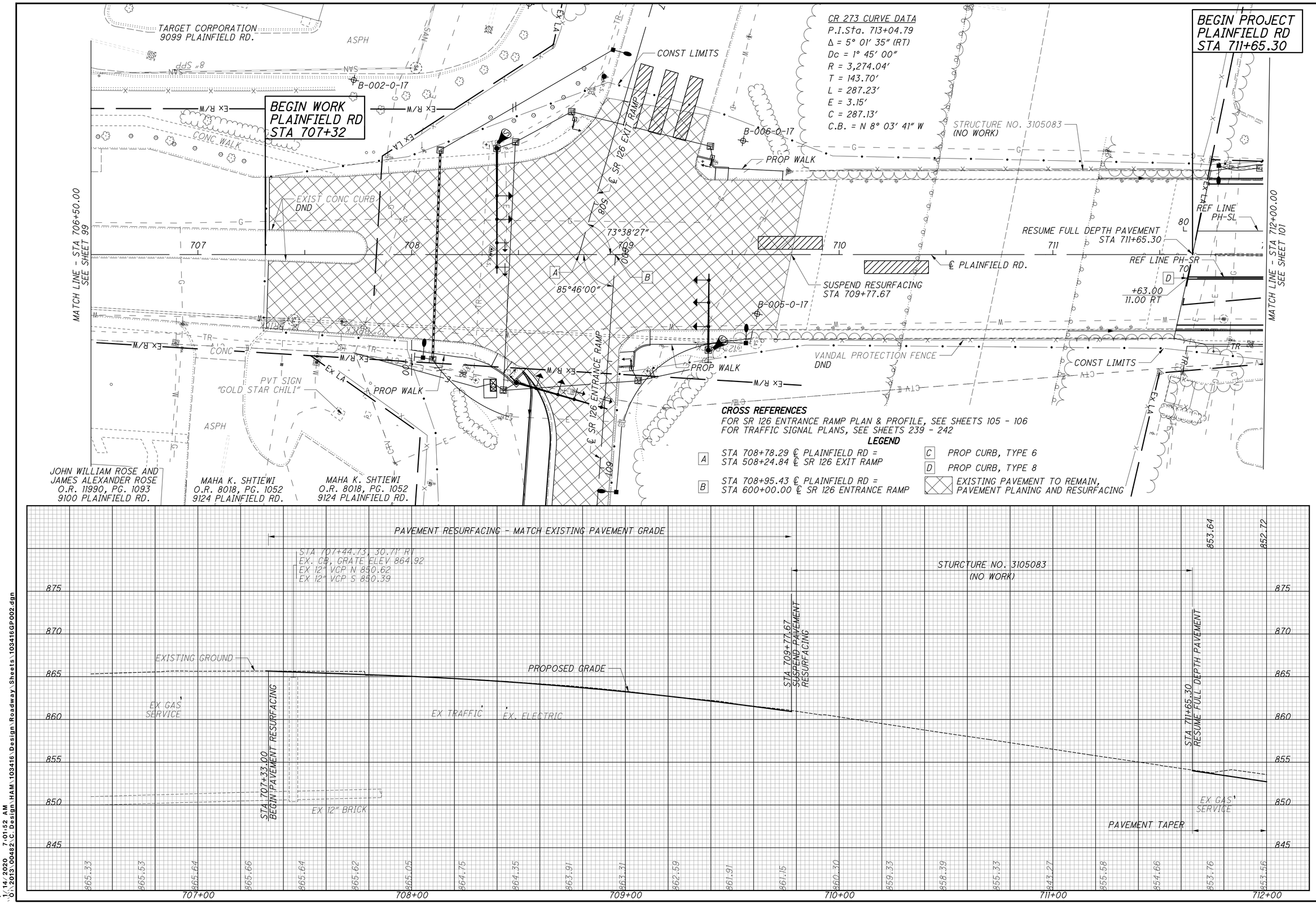

PROFILE - PLAINFIELD RD
STA. 706+50.00 TO STA. 712+00.00

PLAN AND

HAM-PLAINFIELD RD
ROUNDABOUTS

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

jschmeltzer 7/14/2020 7:01:52 AM
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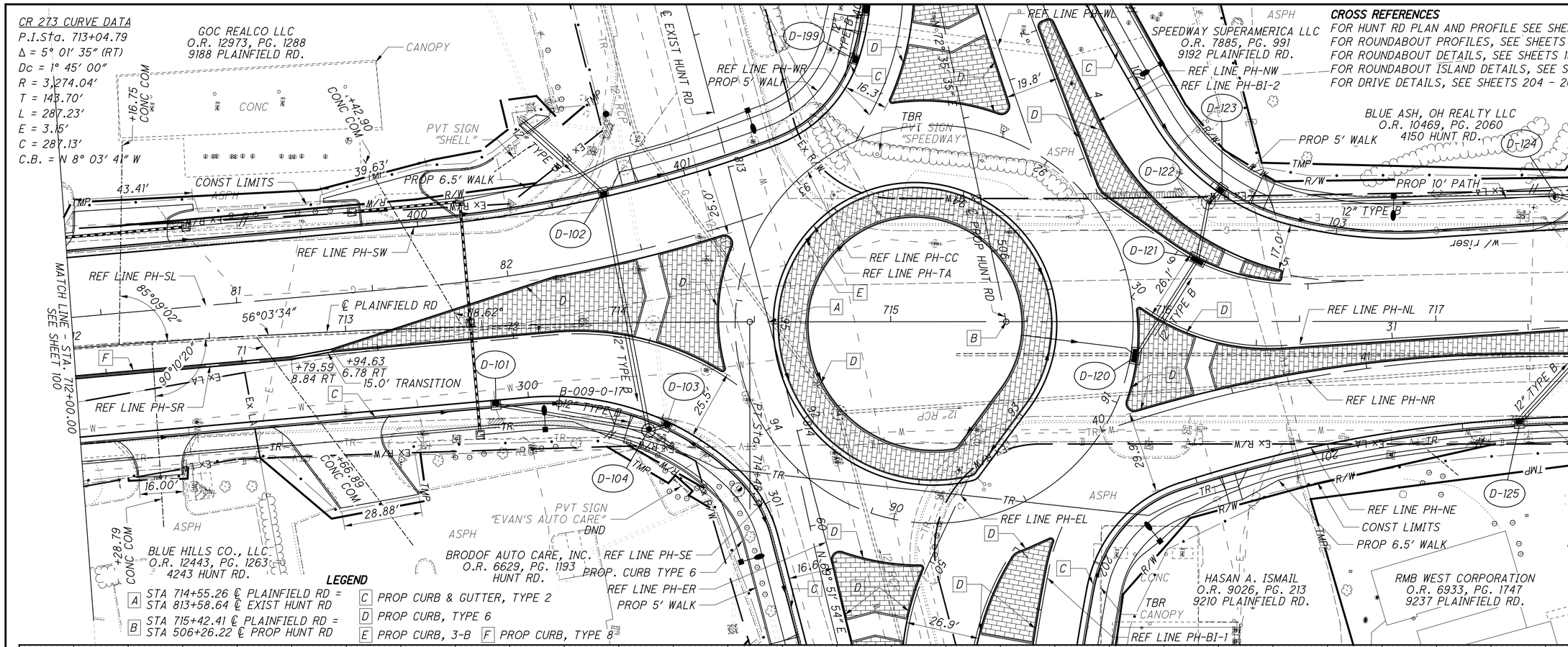
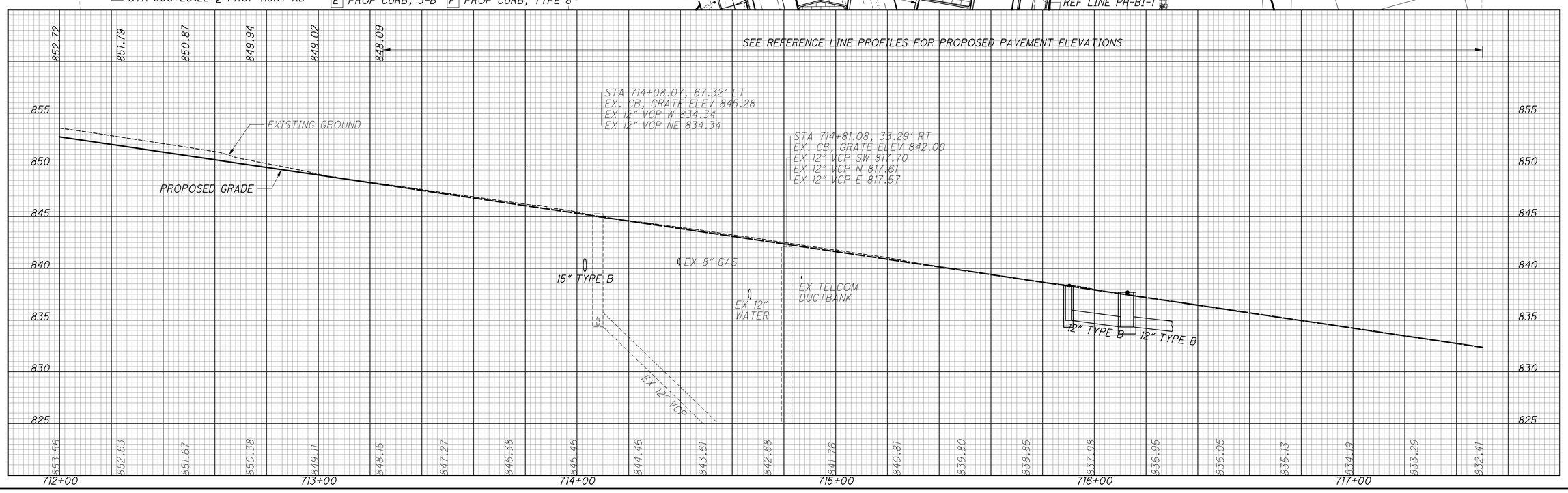
CR 273 CURVE DATA
P.I.Sta. 713+04.79
Δ = 5° 01′ 35″ (RT)
Dc = 1° 45′ 00″
R = 3,274.04′
T = 143.70′
L = 287.23′
E = 3.15′
C = 287.13′
C.B. = N 8° 03′ 41″ W

CROSS REFERENCES
FOR HUNT RD PLAN AND PROFILE SEE SHEET 107 - 111
FOR ROUNDABOUT PROFILES, SEE SHEETS 117 - 132
FOR ROUNDABOUT DETAILS, SEE SHEETS 195 - 197
FOR ROUNDABOUT ISLAND DETAILS, SEE SHEETS 198 - 203
FOR DRIVE DETAILS, SEE SHEETS 204 - 207



LEGEND

A	STA 714+55.26 ℄ PLAINFIELD RD = STA 813+58.64 ℄ EXIST HUNT RD	C	PROP CURB & GUTTER, TYPE 2
B	STA 715+42.41 ℄ PLAINFIELD RD = STA 506+26.22 ℄ PROP HUNT RD	D	PROP CURB, TYPE 6
		E	PROP CURB, 3-B
		F	PROP CURB, TYPE 8



N
HORIZONTAL SCALE IN FEET 0 10 20 40
CALCULATED CML
CHECKED JS

PLAN AND PROFILE
STA. 712+00.00 TO STA. 717+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:07 AM
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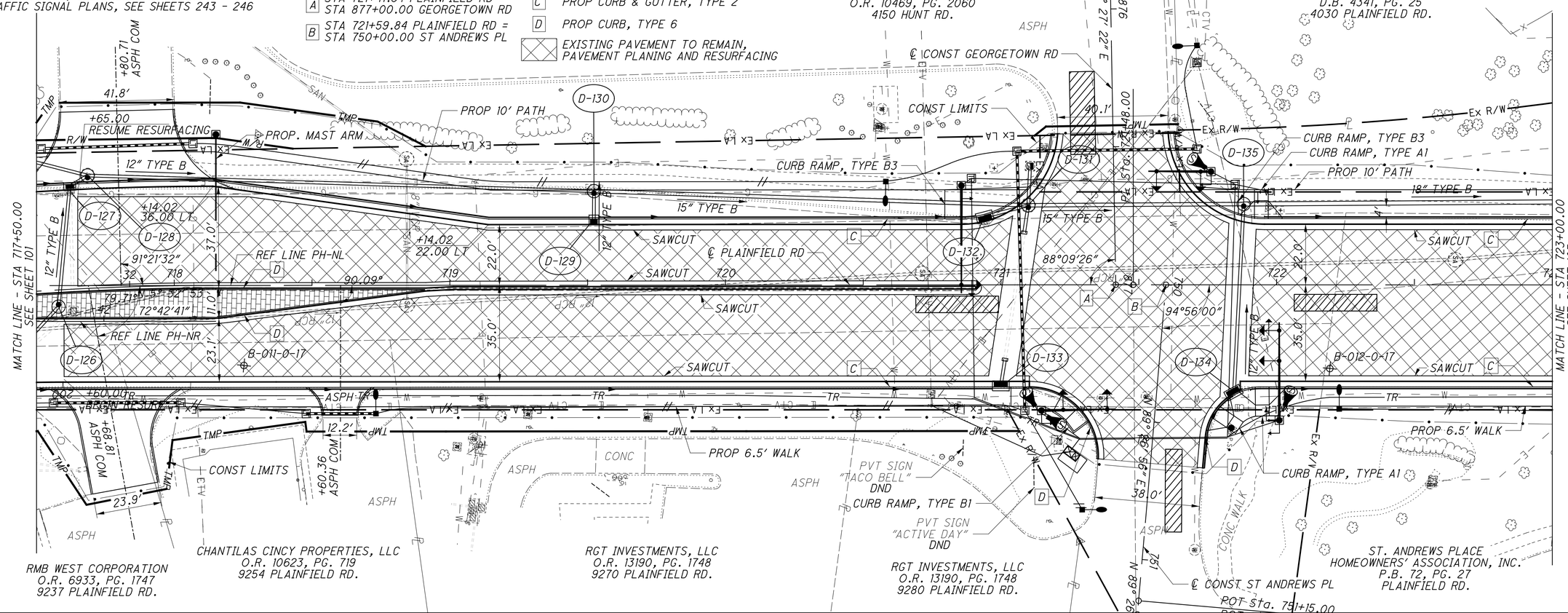
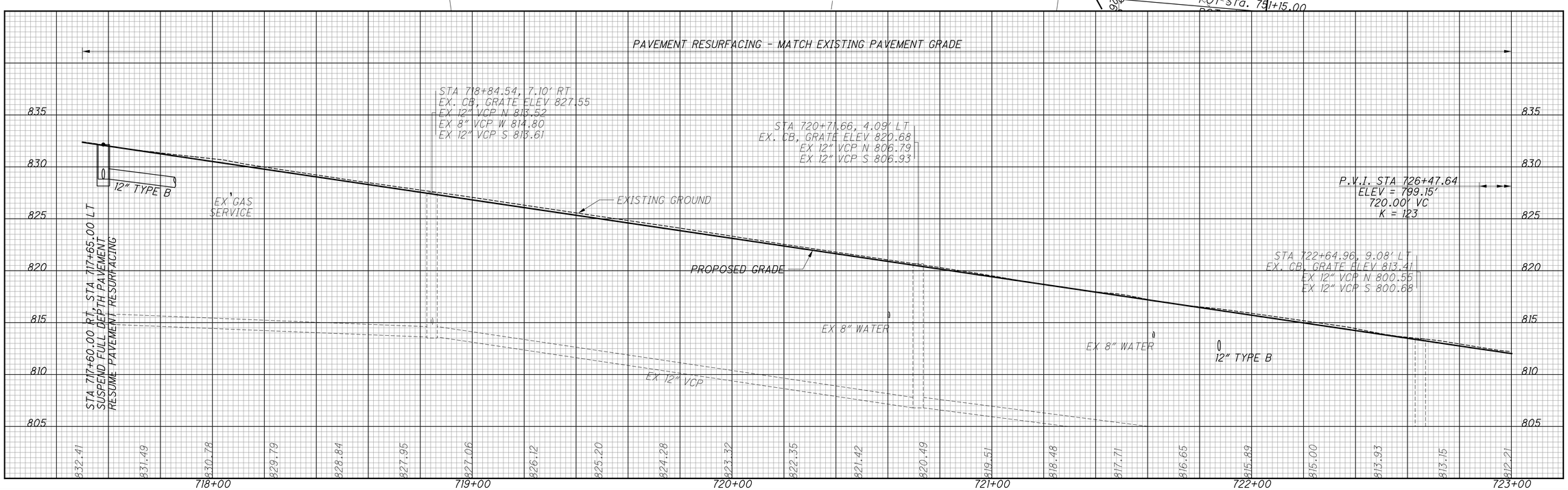
CROSS REFERENCES
FOR DRIVE DETAILS, SEE SHEETS 204 - 211
FOR TRAFFIC SIGNAL PLANS, SEE SHEETS 243 - 246

LEGEND
A STA 721+41.64 PLAINFIELD RD = STA 877+00.00 GEORGETOWN RD
B STA 721+59.84 PLAINFIELD RD = STA 750+00.00 ST ANDREWS PL
C PROP CURB & GUTTER, TYPE 2
D PROP CURB, TYPE 6
EXISTING PAVEMENT TO REMAIN, PAVEMENT PLANING AND RESURFACING





N
HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

PLAN AND PROFILE - PLAINFIELD RD
STA. 717+50.00 TO STA. 723+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:09 AM
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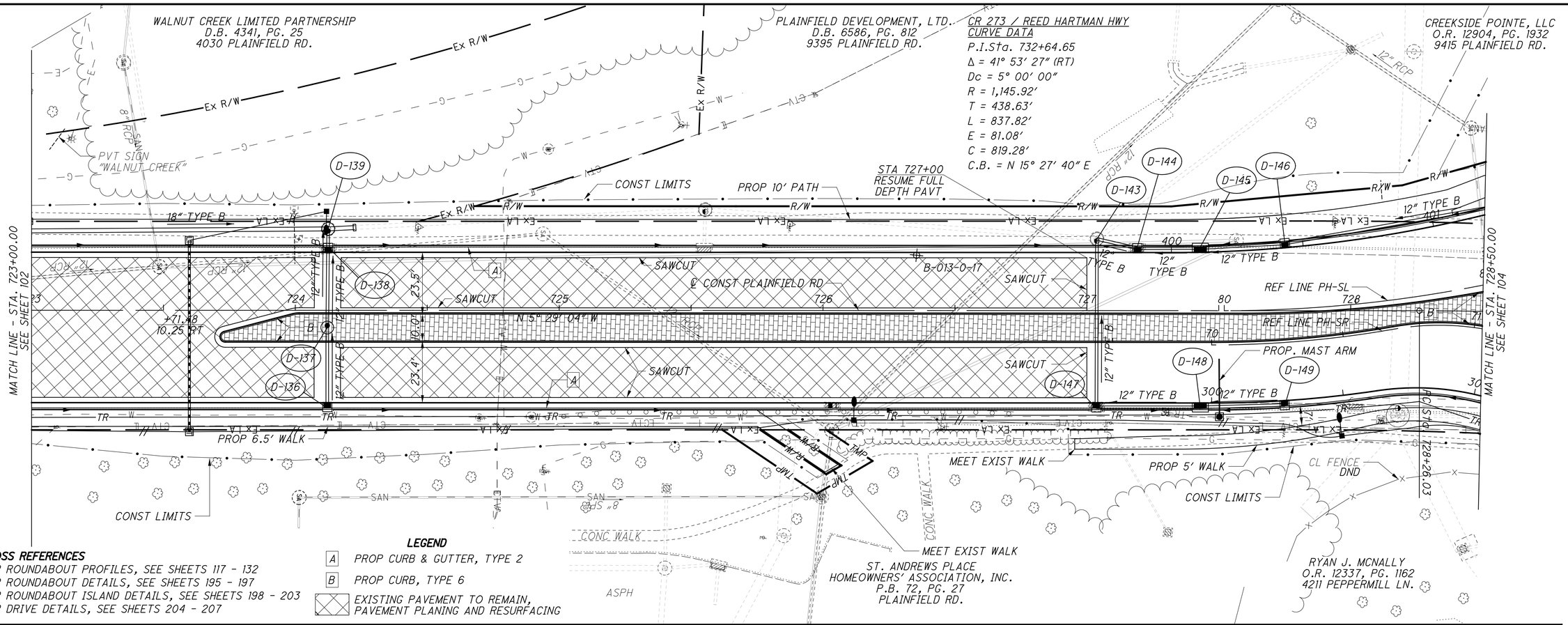
WALNUT CREEK LIMITED PARTNERSHIP
D.B. 4341, PG. 25
4030 PLAINFIELD RD.

PLAINFIELD DEVELOPMENT, LTD.
D.B. 6586, PG. 812
9395 PLAINFIELD RD.

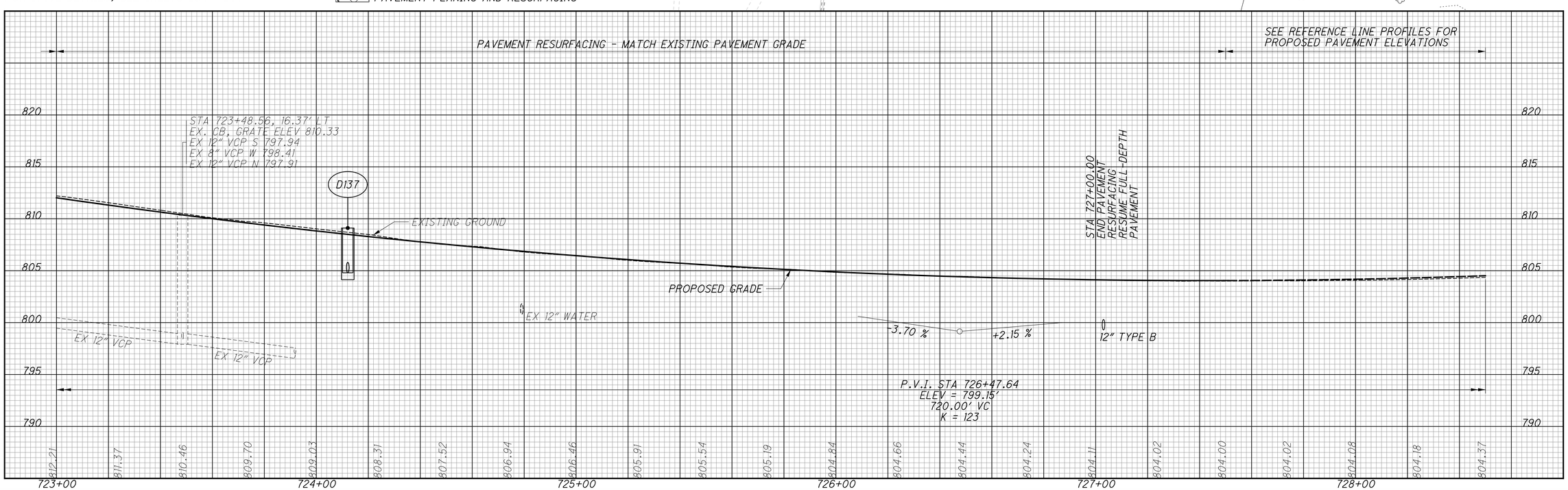
CREEKSIDE POINTE, LLC
O.R. 12904, PG. 1932
9415 PLAINFIELD RD.

CR 273 / REED HARTMAN HWY
CURVE DATA
P.I.Sta. 732+64.65
Δ = 41° 53' 27" (RT)
Dc = 5° 00' 00"
R = 1,145.92'
T = 438.63'
L = 837.82'
E = 81.08'
C = 819.28'
C.B. = N 15° 27' 40" E



CROSS REFERENCES
FOR ROUNDABOUT PROFILES, SEE SHEETS 117 - 132
FOR ROUNDABOUT DETAILS, SEE SHEETS 195 - 197
FOR ROUNDABOUT ISLAND DETAILS, SEE SHEETS 198 - 203
FOR DRIVE DETAILS, SEE SHEETS 204 - 207

LEGEND
A — PROP CURB & GUTTER, TYPE 2
B — PROP CURB, TYPE 6
EXISTING PAVEMENT TO REMAIN, PAVEMENT PLANING AND RESURFACING



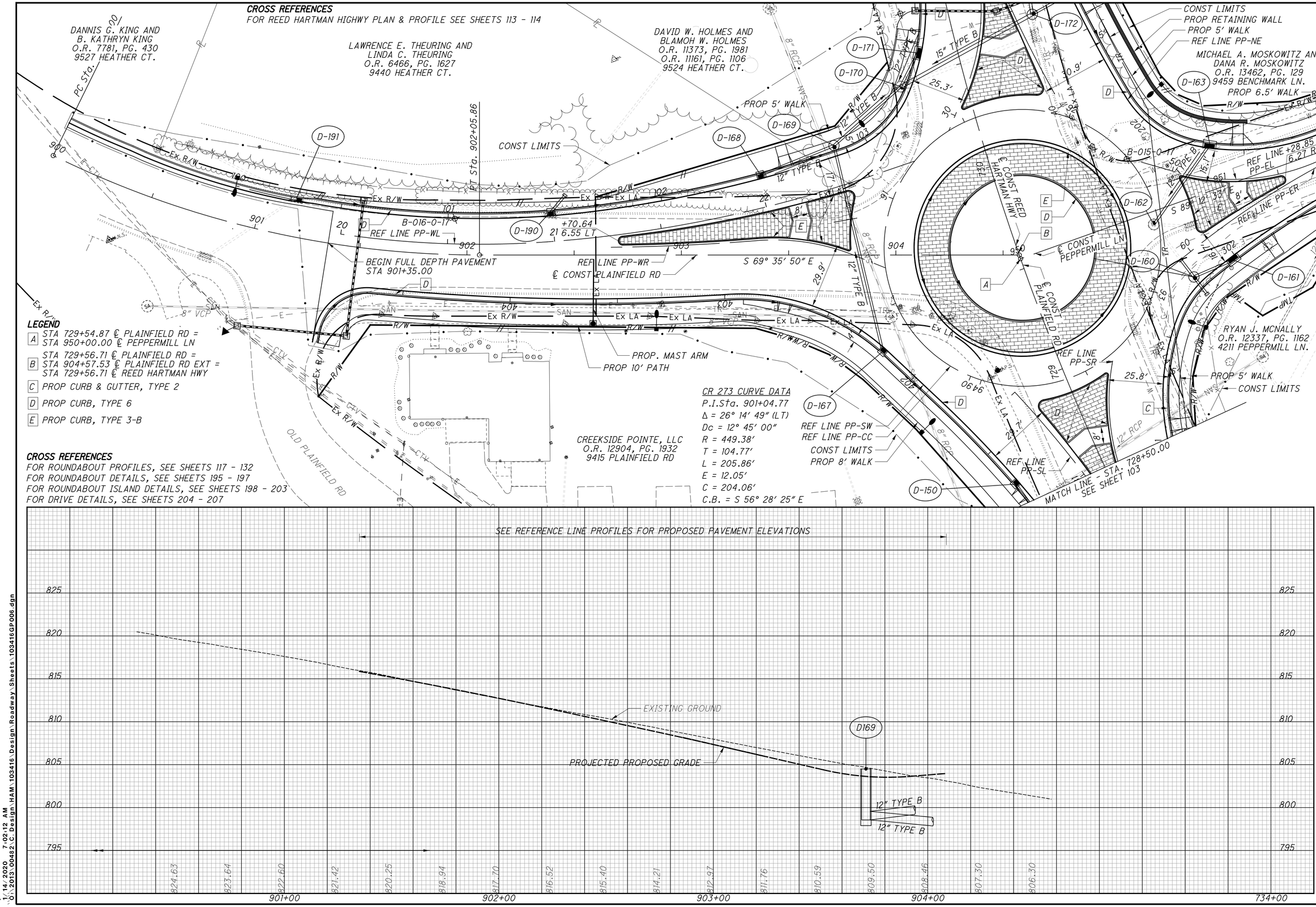
CALCULATED CML
CHECKED JS

HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN AND PROFILE - PLAINFIELD RD
STA. 723+00.00 TO STA. 728+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 1/14/2020 7:02:11 AM
O:\2013\00482\C Design\HAM\103416\Design\Roadway\Sheets\103416GP005.dgn



HORIZONTAL SCALE IN FEET

CALCULATED CML
CHECKED JS

PLAN AND PROFILE - PLAINFIELD RD
STA. 900+00.00 TO STA. 904+57.53

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 1/14/2020 7:02:12 AM
O:\2013\00482\C.Design\HAM\103416\Design\Roadway\Sheets\103416GP006.dgn

FOR TRAFFIC SIGNAL PLANS, SEE SHEETS 239 - 242

END PAVT RESURFACING AT BRIDGE

B-005-0-17

B-006-0-17

POT STA. 600+00.00

+58.83
39.20 RT
PROP WALK
MEET EXISTING

+36.00
42.00 RT
BEGIN WALK TRANSITION

PROP 6.5' WALK

Ex R/W

℄ CONST SR 126 ENTRANCE RAMP

℄ CONST SR 126 EXIT RAMP

℄ CONST PLAINFIELD RD

N 83° 39' 32" E

SAWCUT

ATG

B-003-0-17

MATCH LINE - STA. 605+00.00
SEE SHEET

PC STA. 604+70.59

+60.00
24.00 RT
BEGIN TRANSITION

Ex LA

+21.46
47.90 RT
BEGIN WALK

PROP WALK
MEET EXISTING

+00.00
44.67 RT

MAHA K. SHTIEWI
O.R. 8018, PG. 1052
9124 PLAINFIELD RD.

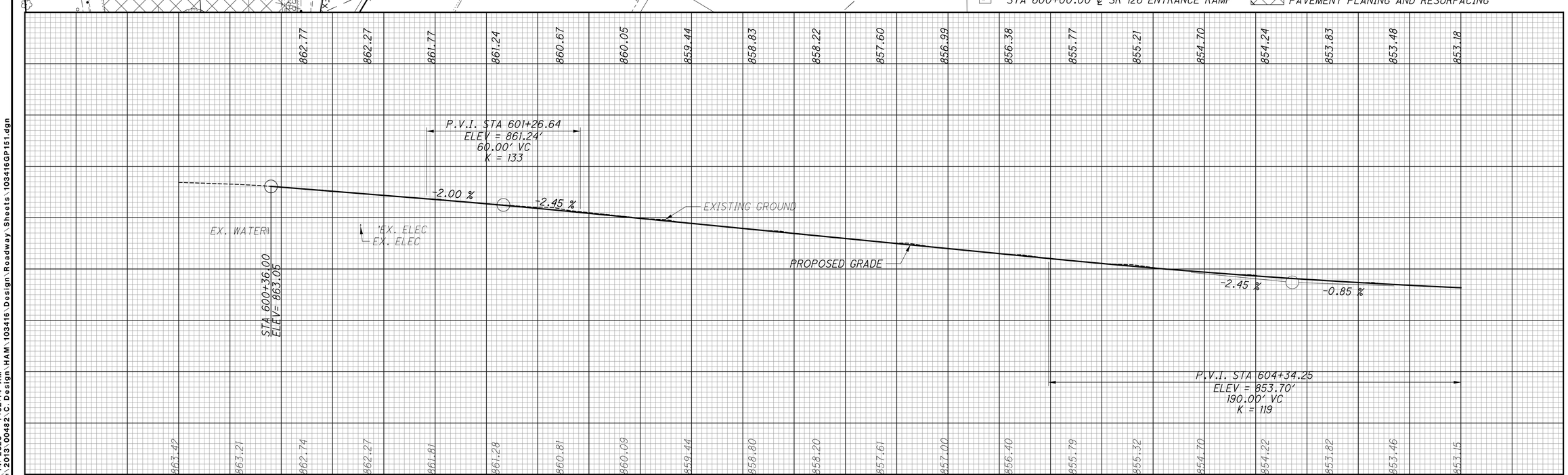
LEGEND

A — STA 708+78.29 ℄ PLAINFIELD RD = STA 508+24.84 ℄ SR EXIT OFF RAMP

B — STA 708+95.43 ℄ PLAINFIELD RD = STA 600+00.00 ℄ SR 126 ENTRANCE RAMP

C — PROP CURB, TYPE 6

EXISTING PAVEMENT TO REMAIN, PAVEMENT PLANING AND RESURFACING



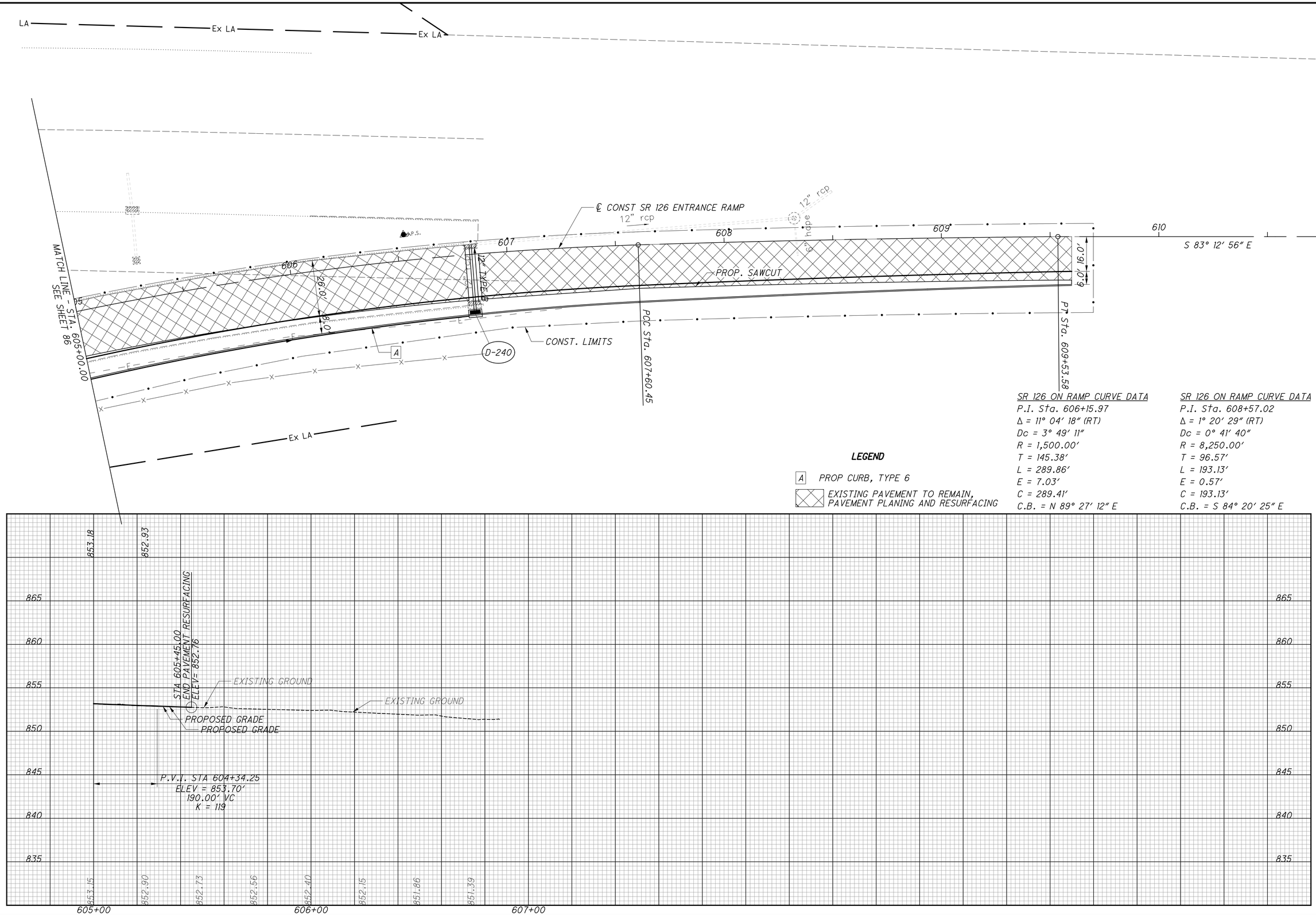
HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

PLAN AND PROFILE - SR 126 ENTRANCE RAMP PLAINFIED RD TO STA. 605+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 1/14/2020 7:02:14 AM
O:\2013\00482\C Design\HAM\103416\Design\Roadway\Sheets\103416GP151.dgn



HORIZONTAL SCALE IN FEET
0 10 20 40

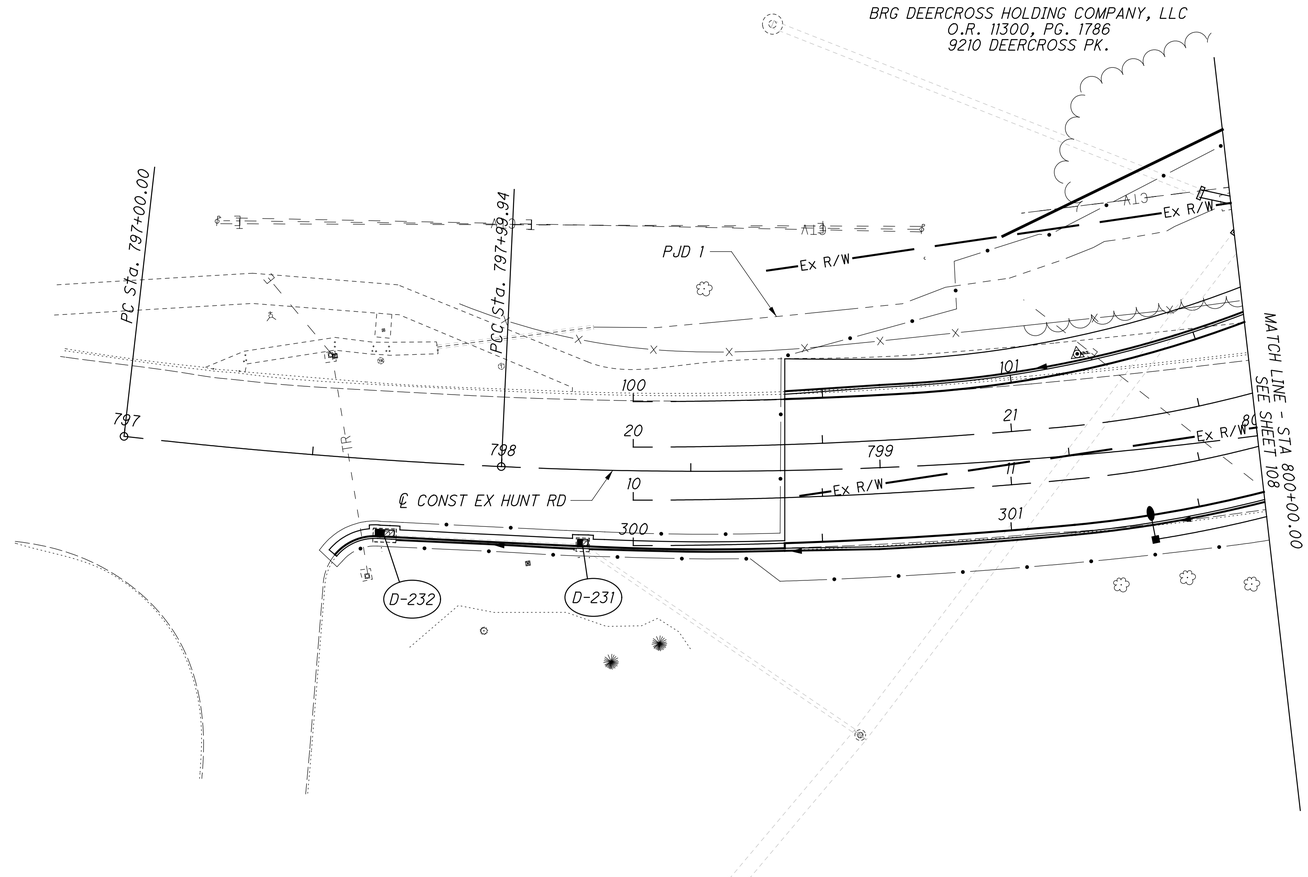
CALCULATED CML
CHECKED JS

PLAN AND PROFILE - SR 126 ENTRANCE RAMP
STA. 605+00.00 TO STA. 610+50.00

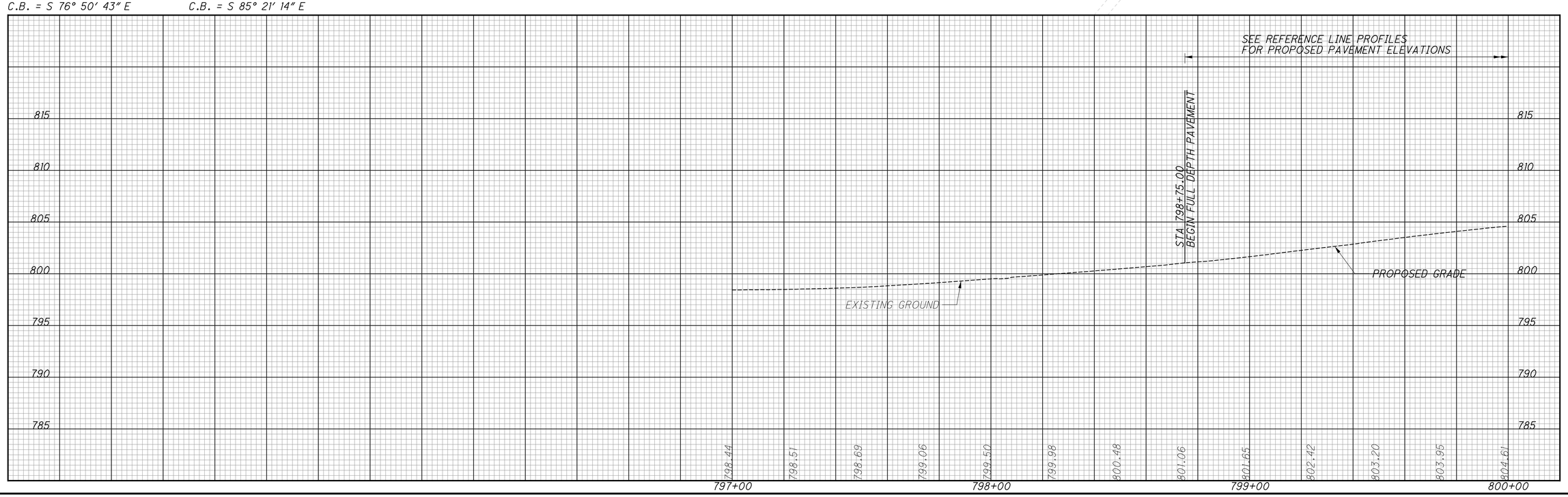
HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:17 AM
O:\2013\00482\C.Design\HAM\103416\Design\Roadway\Sheets\103416GP152.dgn

CROSS REFERENCES
FOR ROUNDABOUT PROFILES, SEE SHEETS 117 - 132
FOR ROUNDABOUT DETAILS, SEE SHEETS 195 - 197
FOR ROUNDABOUT ISLAND DETAILS, SEE SHEETS 198 - 203
FOR DRIVE DETAILS, SEE SHEETS 204 - 207



EXIST HUNT RD CURVE DATA	EXIST HUNT RD CURVE DATA
P.I.Sta. 797+49.99	P.I.Sta. 799+32.52
Δ = 3° 49′ 02″ (LT)	Δ = 13° 12′ 00″ (LT)
Dc = 3° 49′ 11″	Dc = 5° 00′ 00″
R = 1,500.00′	R = 1,145.91′
T = 49.99′	T = 132.59′
L = 99.94′	L = 264.00′
E = 0.83′	E = 7.65′
C = 99.92′	C = 263.42′
C.B. = S 76° 50′ 43″ E	C.B. = S 85° 21′ 14″ E



jschmeltzer
1/14/2020 7:02:18 AM
O:\2013\00482\C Design\HAM\103416\Design\Roadway\Sheets\103416GP200.dgn

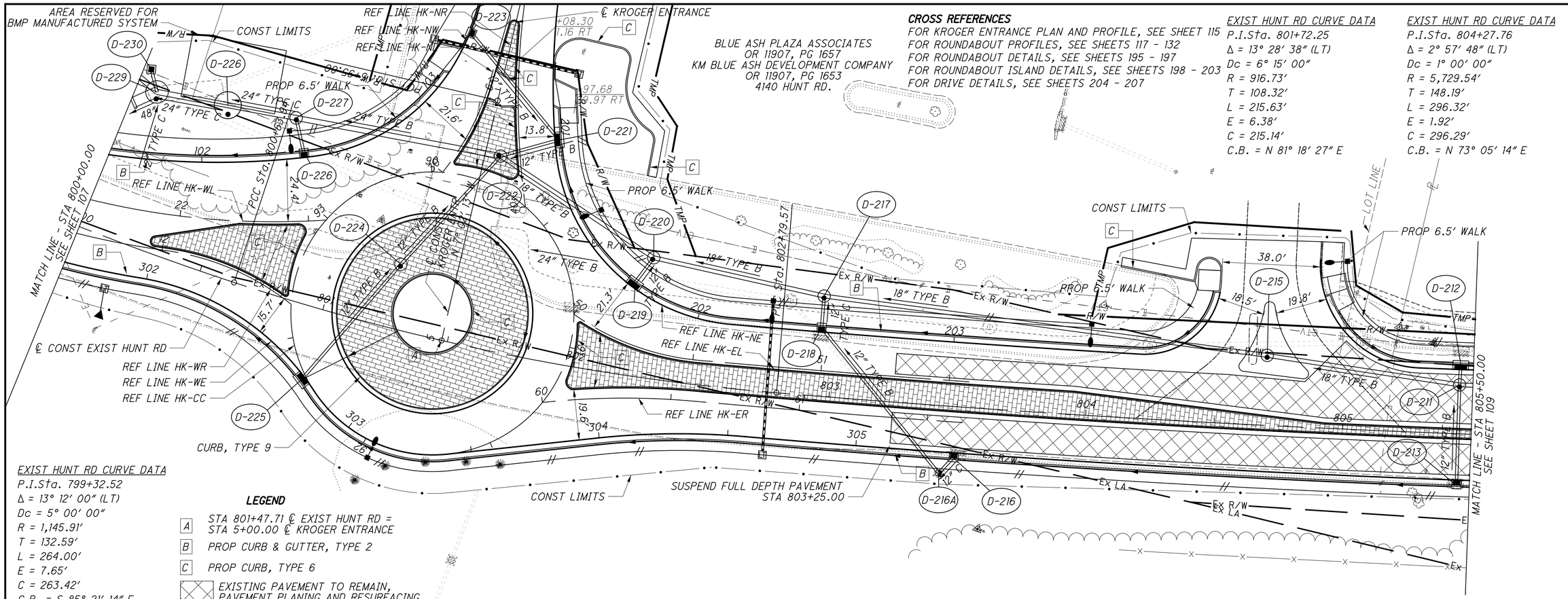
N

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

PLAN AND PROFILE - HUNT RD
STA. 797+00.00 TO STA. 800+00.00

HAM-PLAINFIELD RD ROUNDABOUTS



CROSS REFERENCES

FOR KROGER ENTRANCE PLAN AND PROFILE, SEE SHEET 115
FOR ROUNDABOUT PROFILES, SEE SHEETS 117 - 132
FOR ROUNDABOUT DETAILS, SEE SHEETS 195 - 197
FOR ROUNDABOUT ISLAND DETAILS, SEE SHEETS 198 - 203
FOR DRIVE DETAILS, SEE SHEETS 204 - 207

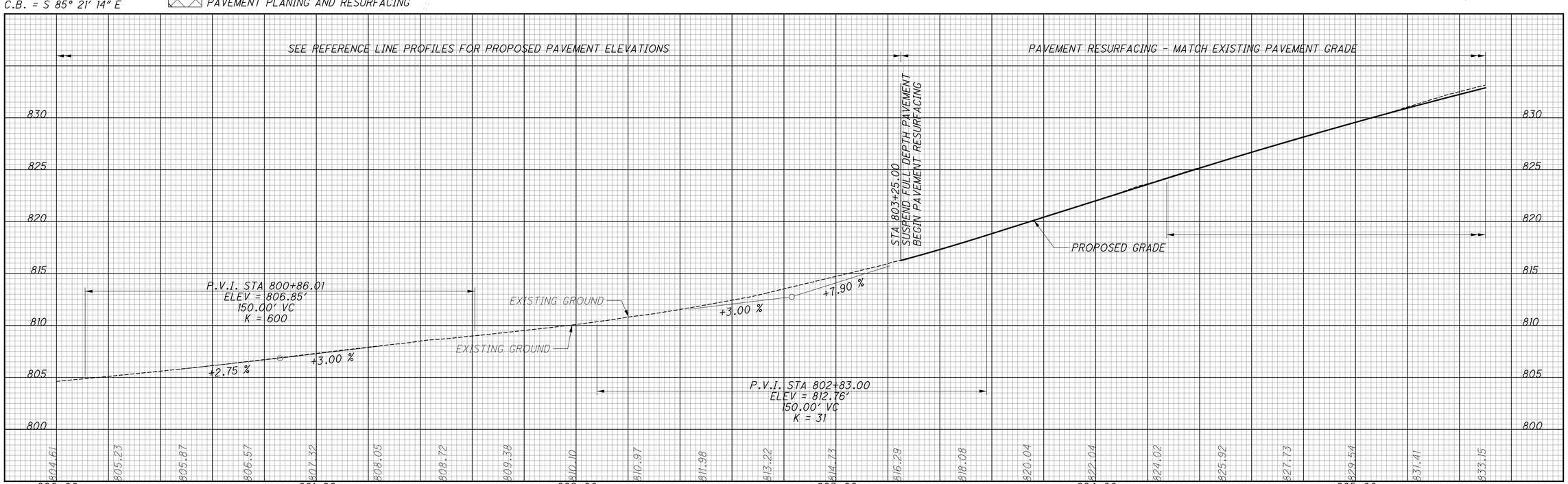
EXIST HUNT RD CURVE DATA
P.I.Sta. 801+72.25
Δ = 13° 28′ 38″ (LT)
Dc = 6° 15′ 00″
R = 916.73′
T = 108.32′
L = 215.63′
E = 6.38′
C = 215.14′
C.B. = N 81° 18′ 27″ E

EXIST HUNT RD CURVE DATA
P.I.Sta. 804+27.76
Δ = 2° 57′ 48″ (LT)
Dc = 1° 00′ 00″
R = 5,729.54′
T = 148.19′
L = 296.32′
E = 1.92′
C = 296.29′
C.B. = N 73° 05′ 14″ E

EXIST HUNT RD CURVE DATA
P.I.Sta. 799+32.52
Δ = 13° 12′ 00″ (LT)
Dc = 5° 00′ 00″
R = 1,145.91′
T = 132.59′
L = 264.00′
E = 7.65′
C = 263.42′
C.B. = S 85° 21′ 14″ E

LEGEND

A	STA 801+47.71 ℄ EXIST HUNT RD = STA 5+00.00 ℄ KROGER ENTRANCE
B	PROP CURB & GUTTER, TYPE 2
C	PROP CURB, TYPE 6
	EXISTING PAVEMENT TO REMAIN, PAVEMENT PLANING AND RESURFACING



CALCULATED CML
CHECKED JS

HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN AND PROFILE - HUNT RD
STA. 800+00.00 TO STA. 805+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

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10/14/2020 7:02:20 AM
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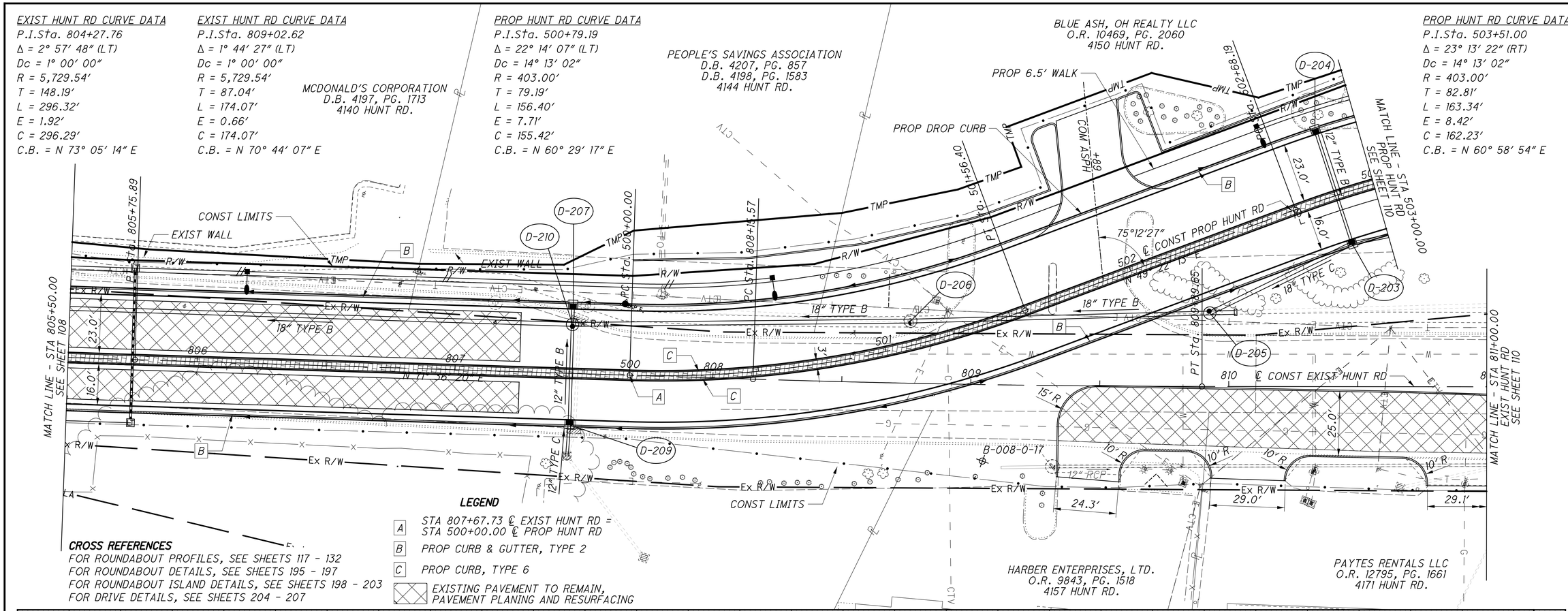
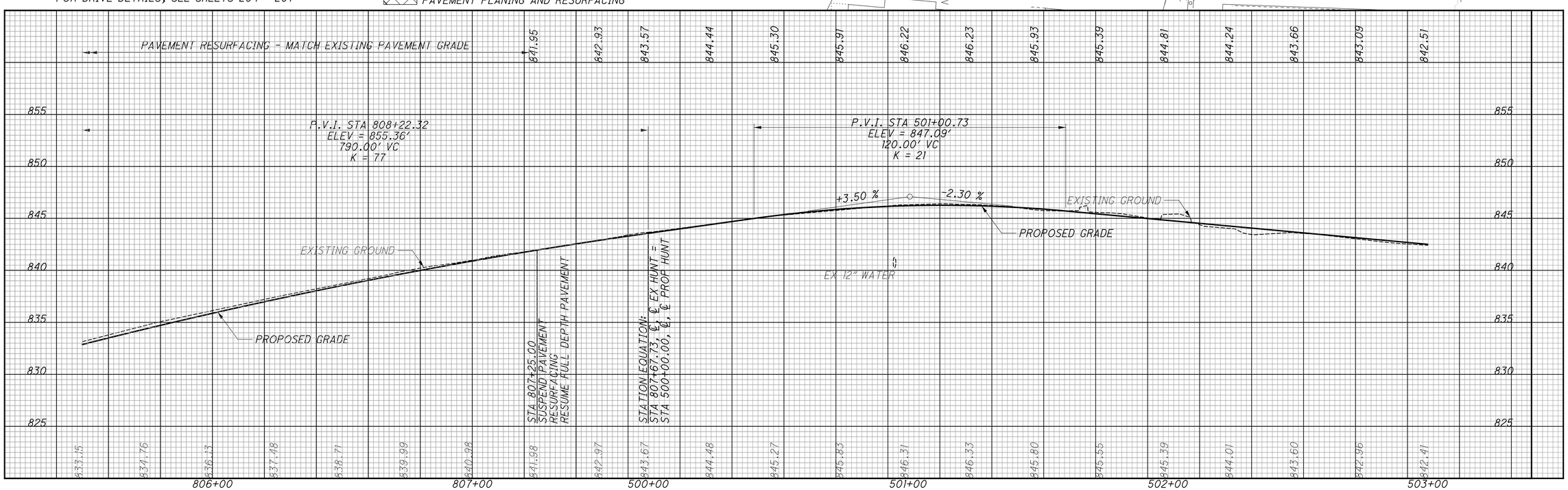
EXIST HUNT RD CURVE DATA
P.I.Sta. 804+27.76
Δ = 2° 57′ 48″ (LT)
Dc = 1° 00′ 00″
R = 5,729.54′
T = 148.19′
L = 296.32′
E = 1.92′
C = 296.29′
C.B. = N 73° 05′ 14″ E

EXIST HUNT RD CURVE DATA
P.I.Sta. 809+02.62
Δ = 1° 44′ 27″ (LT)
Dc = 1° 00′ 00″
R = 5,729.54′
T = 87.04′
L = 174.07′
E = 0.66′
C = 174.07′
C.B. = N 70° 44′ 07″ E

PROP HUNT RD CURVE DATA
P.I.Sta. 500+79.19
Δ = 22° 14′ 07″ (LT)
Dc = 14° 13′ 02″
R = 403.00′
T = 79.19′
L = 156.40′
E = 7.71′
C = 155.42′
C.B. = N 60° 29′ 17″ E

PROP HUNT RD CURVE DATA
P.I.Sta. 503+51.00
Δ = 23° 13′ 22″ (RT)
Dc = 14° 13′ 02″
R = 403.00′
T = 82.81′
L = 163.34′
E = 8.42′
C = 162.23′
C.B. = N 60° 58′ 54″ E





HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

PLAN AND PROFILE - HUNT RD
STA. 805+50.00 TO STA. 503+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:02:21 AM
11/14/2020
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CROSS REFERENCES
FOR ROUNDABOUT PROFILES, SEE SHEETS 117 - 132
FOR ROUNDABOUT DETAILS, SEE SHEETS 195 - 197
FOR ROUNDABOUT ISLAND DETAILS, SEE SHEETS 198 - 203
FOR DRIVE DETAILS, SEE SHEETS 204 - 207

BLUE ASH, OH REALTY LLC
O.R. 10469, PG. 2060
4150 HUNT RD.

SPEEDWAY SUPERAMERICA LLC
O.R. 7885, PG. 991
9192 PLAINFIELD RD.

HASAN A. ISMAIL
O.R. 9026, PG. 2137
9210 PLAINFIELD RD.

ROSE MARY BEDINGHAUS
O.R. 661, PG. 424
4230 HUNT RD.

GOC REALCO LLC
O.R. 12973, PG. 1288
9188 PLAINFIELD RD.

BRODOF AUTO CARE, INC.
O.R. 6629, PG. 1193
HUNT RD.

BLUE HILLS CO., LLC
O.R. 12443, PG. 1263
4243 HUNT RD.

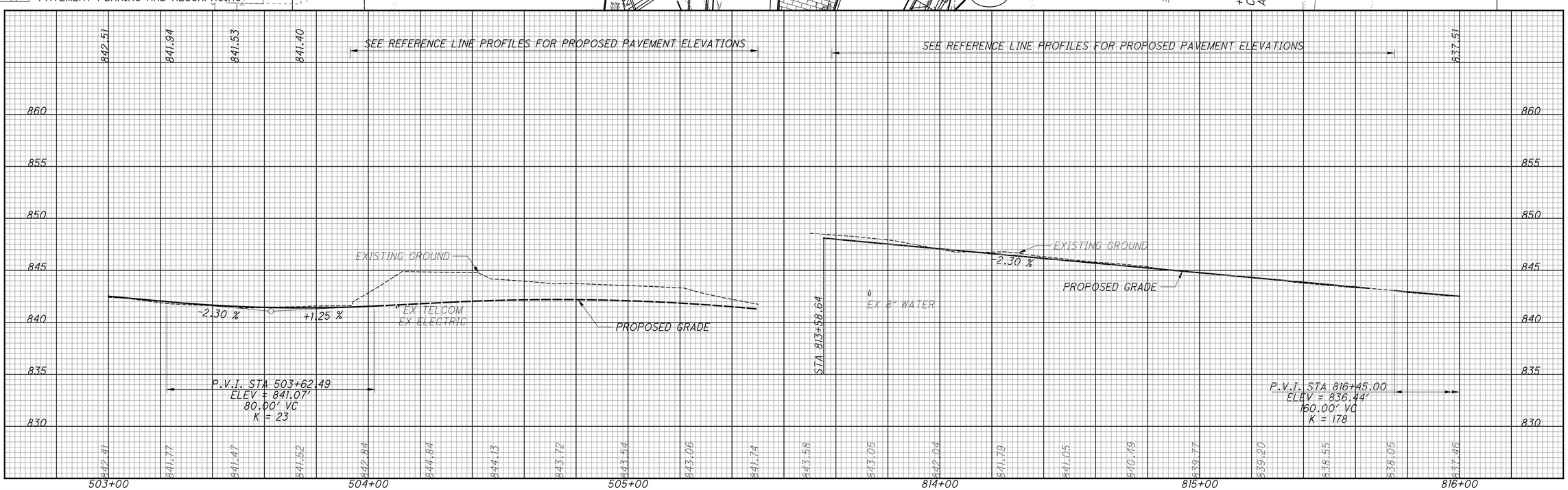
MATCH LINE - STA 503+00.00
PROP HUNT RD
SEE SHEET 109

MATCH LINE - STA 811+00.00
EXIST HUNT RD
SEE SHEET 109

MATCH LINE - STA 816+00.00
SEE SHEET 111

PROP HUNT RD CURVE DATA
P.I.Sta. 503+51.00
Δ = 23° 13′ 22″ (RT)
Dc = 14° 13′ 02″
R = 403.00′
T = 82.81′
L = 163.34′
E = 8.42′
C = 162.23′
C.B. = N 60° 58′ 54″ E

LEGEND
A STA 714+55.26 ℄ PLAINFIELD RD = STA 813+58.64 ℄ EXIST HUNT RD
B STA 715+42.41 ℄ PLAINFIELD RD = STA 506+26.22 ℄ PROP HUNT RD
C PROP CURB & GUTTER, TYPE 2
D PROP CURB, TYPE 6
EXISTING PAVEMENT TO REMAIN, PAVEMENT PLANING AND RESURFACING



HORIZONTAL SCALE IN FEET

CALCULATED CML
CHECKED JS

PLAN AND PROFILE - HUNT RD
STA 503+00.00 TO STA. 816+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:02:23 AM
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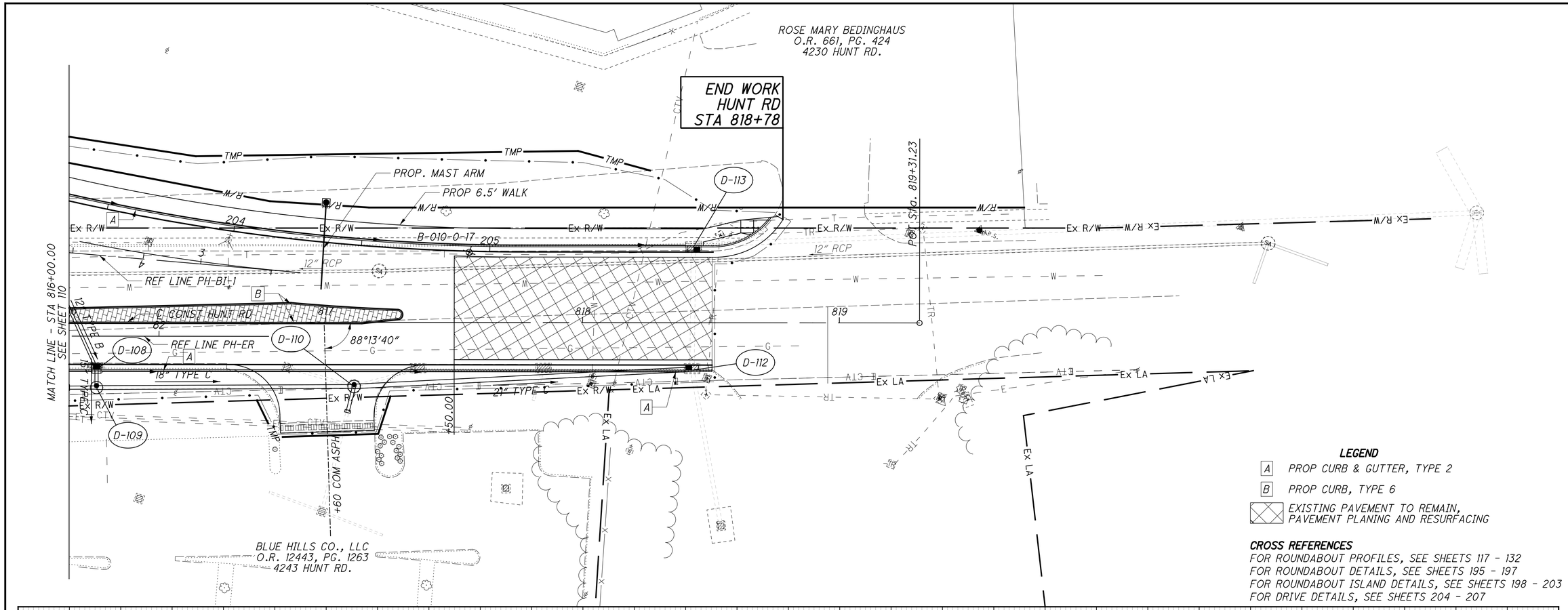
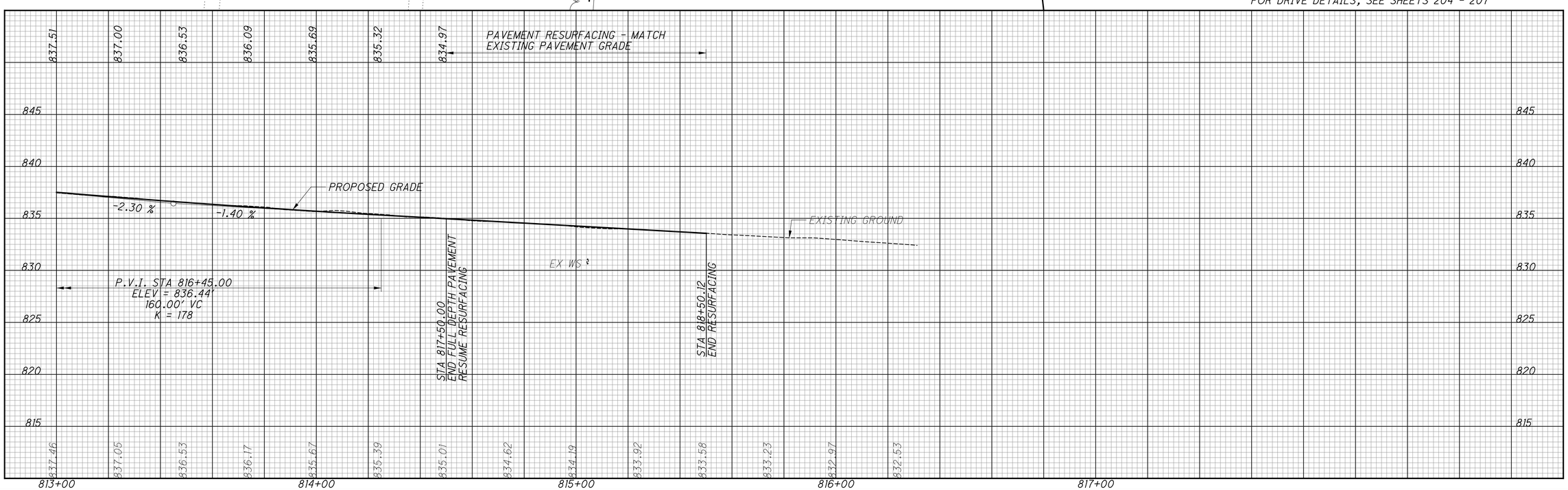




HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

PLAN AND PROFILE - HUNT RD
STA 816+00.00 TO STA. 818+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:02:25 AM
01/14/2020
O:\2013\00482\C Design\HAM\103416\Design\Roadway\Sheets\103416GP204.dgn

CROSS REFERENCES
FOR ROUNDABOUT PROFILES, SEE SHEETS 117 - 132
FOR ROUNDABOUT DETAILS, SEE SHEETS 195 - 197
FOR ROUNDABOUT ISLAND DETAILS, SEE SHEETS 198 - 203
FOR DRIVE DETAILS, SEE SHEETS 204 - 207

END WORK
PEPPERMILL LN
STA 952+90.07

WILLIAM L. MALLORE, JR.
AND WENDY S. KINCAID
O.R. 9449, PG. 1311
9456 BENCHMARK LN.

DONNA FLETCHER AND
ST. JOHN FLETCHER
O.R. 7994, PG. 2006
4223 PEPPERMILL LN.

MATTHEW H. LEE AND
CLAIRE R. LEE
O.R. 6494, PG. 209
4235 PEPPERMILL LN.

RYAN J. MCNALLY
O.R. 12337, PG. 1162
4211 PEPPERMILL LN.

LEGEND

A STA 729+54.87 ℄ PLAINFIELD RD =
STA 950+00.00 ℄ PEPPERMILL LN

B STA 729+56.71 ℄ PLAINFIELD RD BACK=
STA 904+57.53 ℄ PLAINFIELD RD AHEAD=
STA 729+56.71 ℄ REED HARTMAN HWY

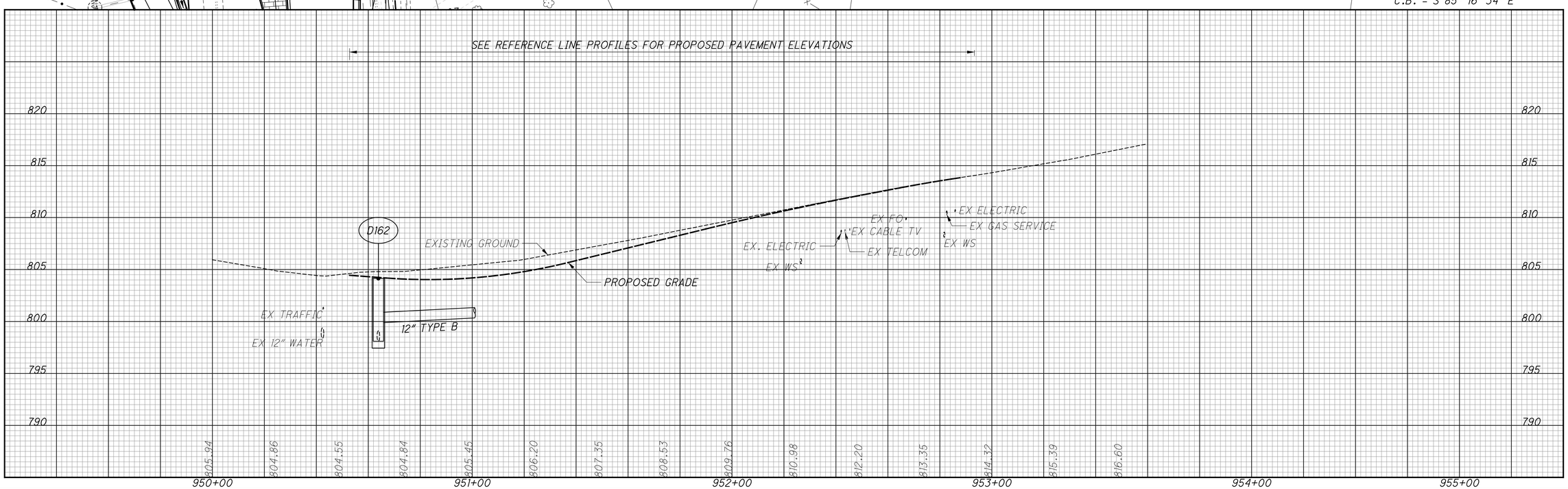
C PROP CURB & GUTTER, TYPE 2

D PROP CURB, TYPE 6

E PROP CURB, TYPE 9

PEPPERMILL LN CURVE DATA
P.I.Sta. 952+18.75
Δ = 7° 51′ 57″ (RT)
Dc = 9° 45′ 00″
R = 587.65′
T = 40.40′
L = 80.68′
E = 1.39′
C = 80.61′
C.B. = S 85° 16′ 34″ E

SEE REFERENCE LINE PROFILES FOR PROPOSED PAVEMENT ELEVATIONS



HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

PLAN AND PROFILE - PEPPERMILL LN
PLAINFIELD RD TO STA. 954+00.00

HAM-PLAINFIELD RD
ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:27 AM
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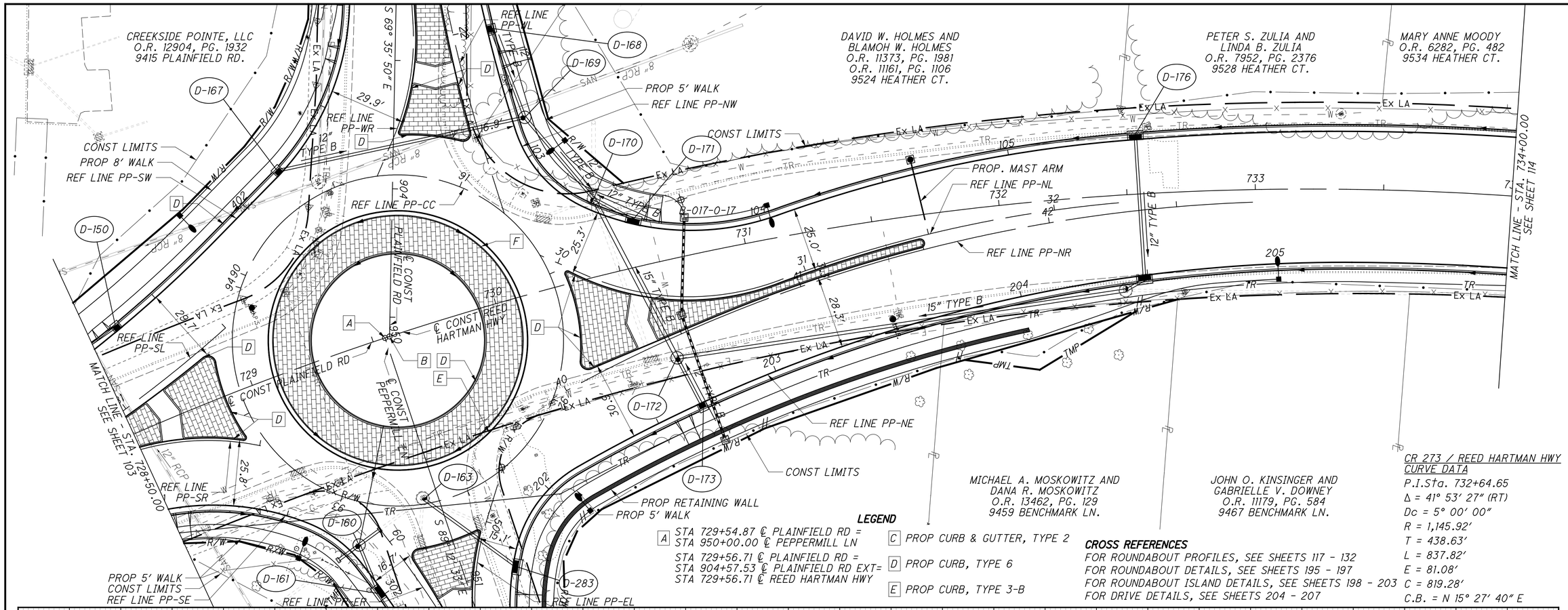


LEGEND

A STA 729+54.87 ℄ PLAINFIELD RD = STA 950+00.00 ℄ PEPPERMILL LN
STA 729+56.71 ℄ PLAINFIELD RD = STA 904+57.53 ℄ PLAINFIELD RD EXT= STA 729+56.71 ℄ REED HARTMAN HWY

C PROP CURB & GUTTER, TYPE 2

D PROP CURB, TYPE 6

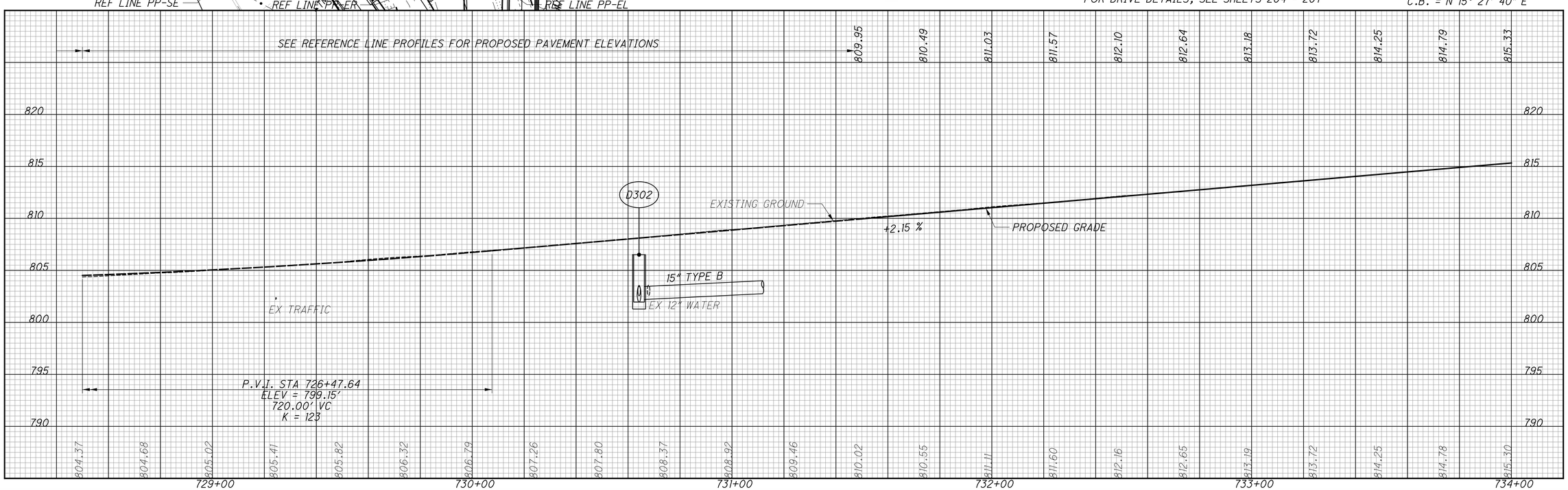
E PROP CURB, TYPE 3-B

CROSS REFERENCES

FOR ROUNDABOUT PROFILES, SEE SHEETS 117 - 132
FOR ROUNDABOUT DETAILS, SEE SHEETS 195 - 197
FOR ROUNDABOUT ISLAND DETAILS, SEE SHEETS 198 - 203
FOR DRIVE DETAILS, SEE SHEETS 204 - 207

CR 273 / REED HARTMAN HWY CURVE DATA

P.I.Sta. 732+64.65
Δ = 41° 53' 27" (RT)
Dc = 5° 00' 00"
R = 1,145.92'
T = 438.63'
L = 837.82'
E = 81.08'
C = 819.28'
C.B. = N 15° 27' 40" E



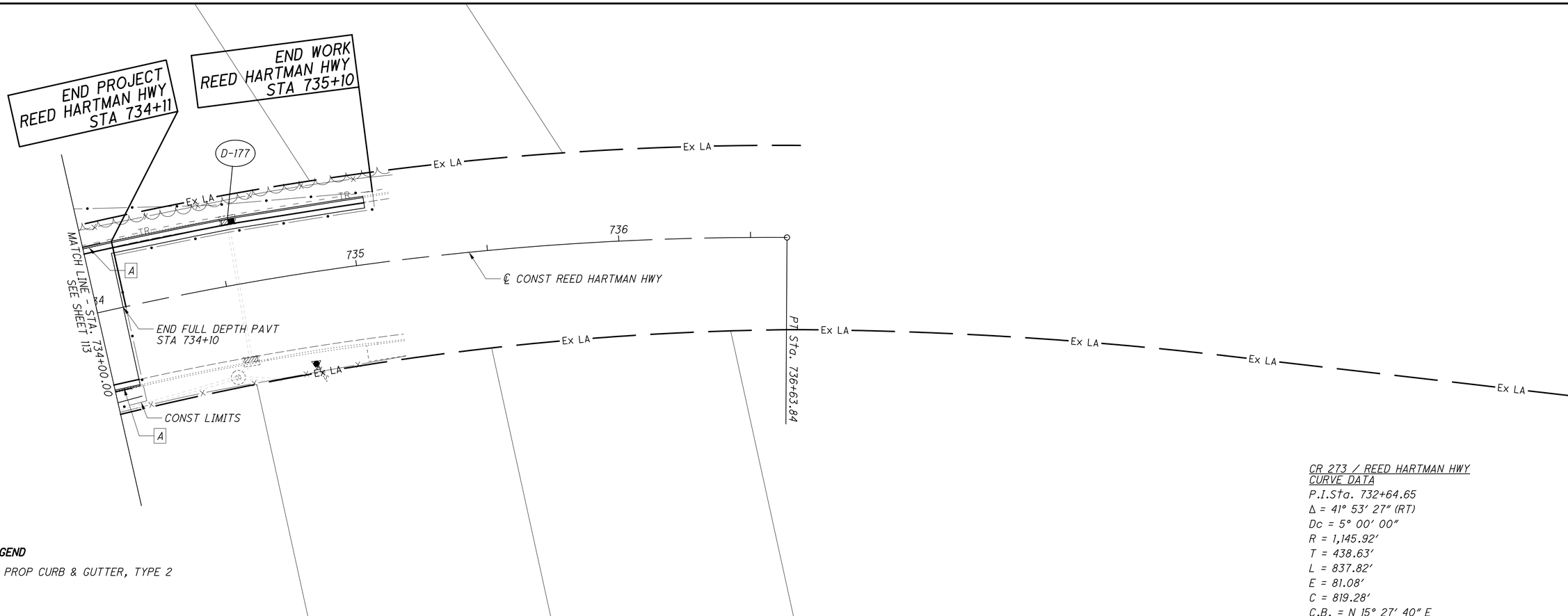
HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML
CHECKED JS

PLAN AND PROFILE - REED HARTMAN HWY STA. 728+50.00 TO STA. 734+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

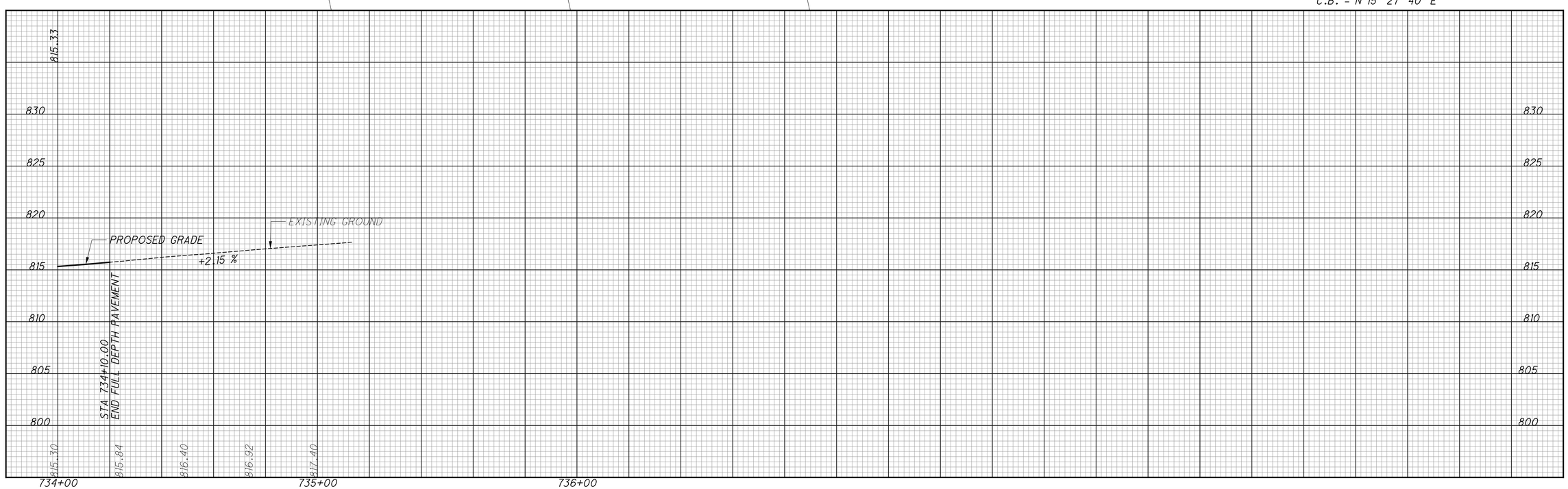
jschmeltzer 7:02:29 AM
1/14/2020
O:\2013\00482\C Design\HAM\103416\Design Roadway\Sheets\103416GP401.dgn



CR 273 / REED HARTMAN HWY
CURVE DATA
P.I.Sta. 732+64.65
Δ = 41° 53′ 27″ (RT)
Dc = 5° 00′ 00″
R = 1,145.92′
T = 438.63′
L = 837.82′
E = 81.08′
C = 819.28′
C.B. = N 15° 27′ 40″ E

LEGEND

A PROP CURB & GUTTER, TYPE 2



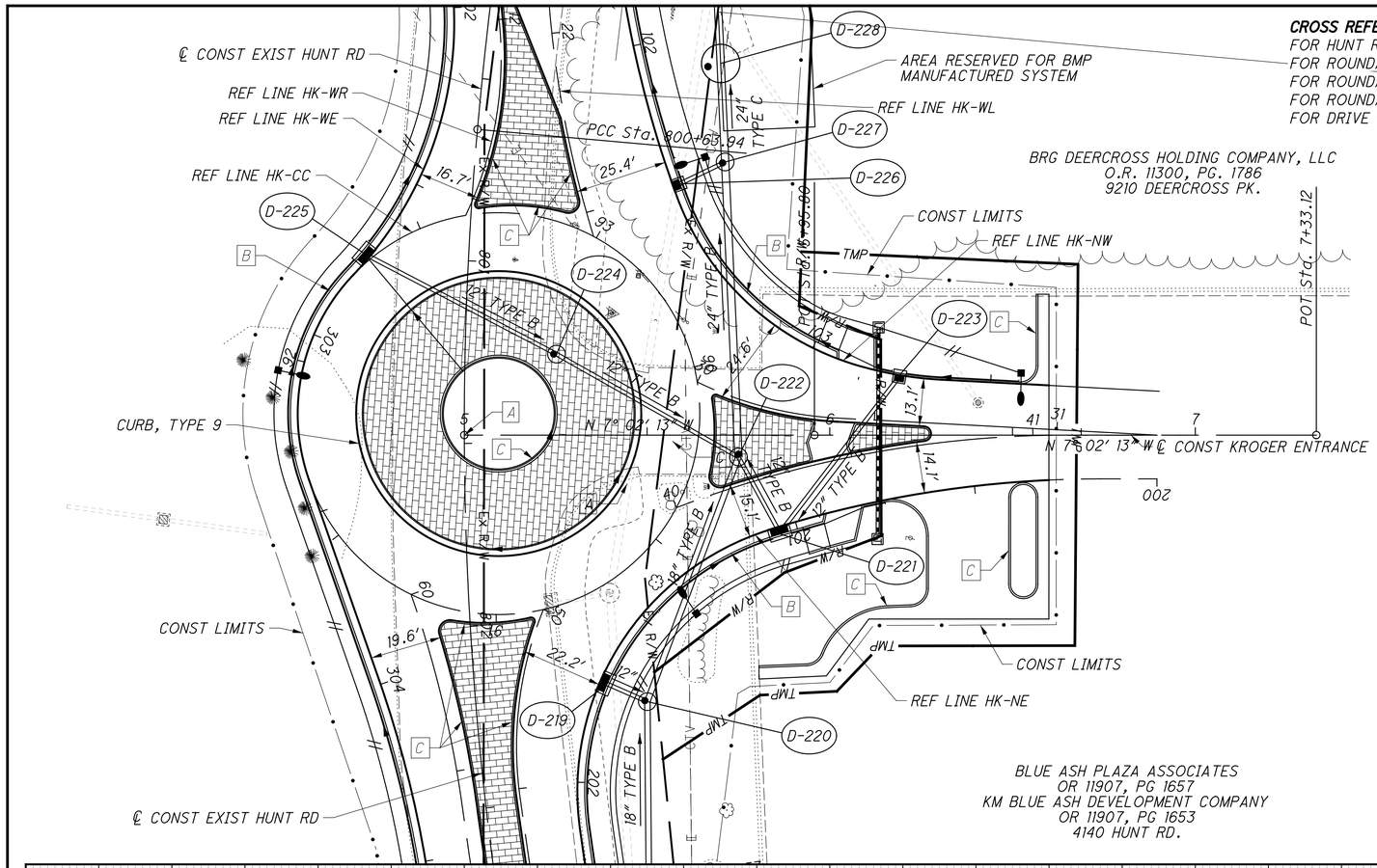
HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED CML
CHECKED JS

PLAN AND PROFILE - REED HARTMAN HWY
STA. 734+00.00 TO STA. 736+63.84

HAM-PLAINFIELD RD
ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:30 AM
O:\2013\00482\C.Design\HAM\103416\Design\Roadway\Sheets\103416GP402.dgn



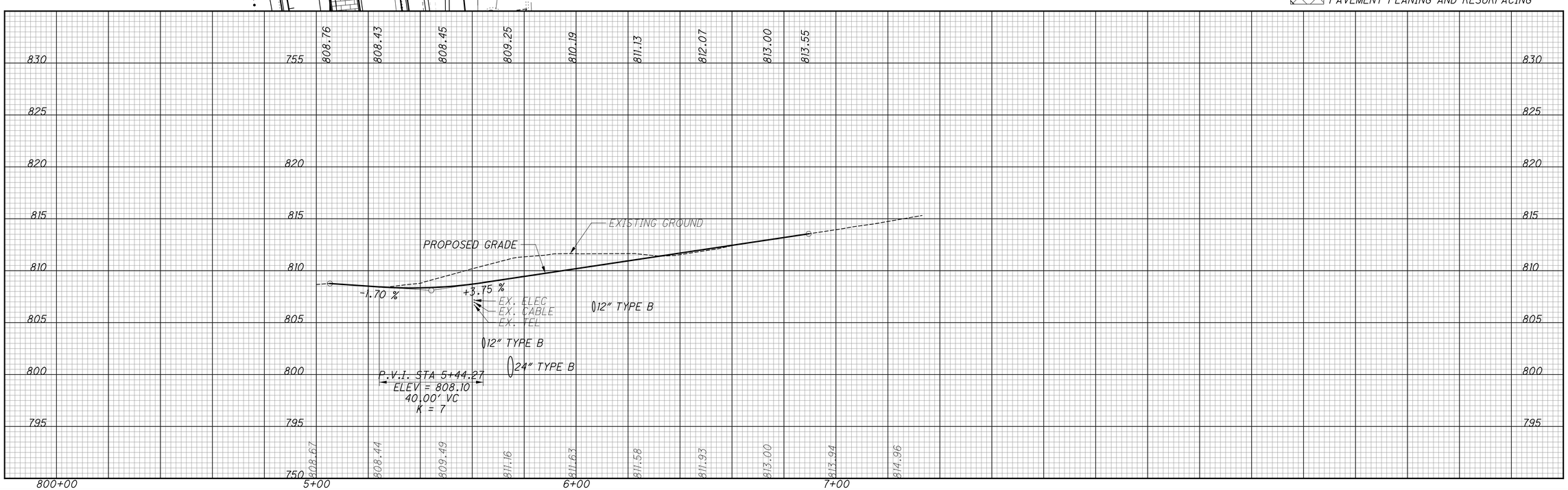
CROSS REFERENCES

FOR HUNT RD PLAN AND PROFILE, SEE SHEETS 107 - 111
FOR ROUNDABOUT PROFILES, SEE SHEETS 117 - 132
FOR ROUNDABOUT DETAILS, SEE SHEETS 195 - 197
FOR ROUNDABOUT ISLAND DETAILS, SEE SHEETS 198 - 203
FOR DRIVE DETAILS, SEE SHEETS 204 - 207

EXIST HUNT RD CURVE DATA	EXIST HUNT RD CURVE DATA
P.I.Sta. 799+32.52	P.I.Sta. 801+72.25
Δ = 13° 12′ 00″ (LT)	Δ = 13° 28′ 38″ (LT)
Dc = 5° 00′ 00″	Dc = 6° 15′ 00″
R = 1,145.91′	R = 916.73′
T = 132.59′	T = 108.32′
L = 264.00′	L = 215.63′
E = 7.65′	E = 6.38′
C = 263.42′	C = 215.14′
C.B. = S 85° 21′ 14″ E	C.B. = N 81° 18′ 27″ E

LEGEND

- A — STA 801+47.71 ℄ EXIST HUNT RD = STA 5+00.00 ℄ KROGER ENTRANCE
- B — PROP CURB & GUTTER, TYPE 2
- C — PROP CURB, TYPE 6
- EXISTING PAVEMENT TO REMAIN, PAVEMENT PLANING AND RESURFACING



HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED CML CHECKED JS

PLAN AND PROFILE - KROGER ENTRANCE STA. 5+00.00 TO STA. 7+33.12

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7/14/2020 7:02:32 AM
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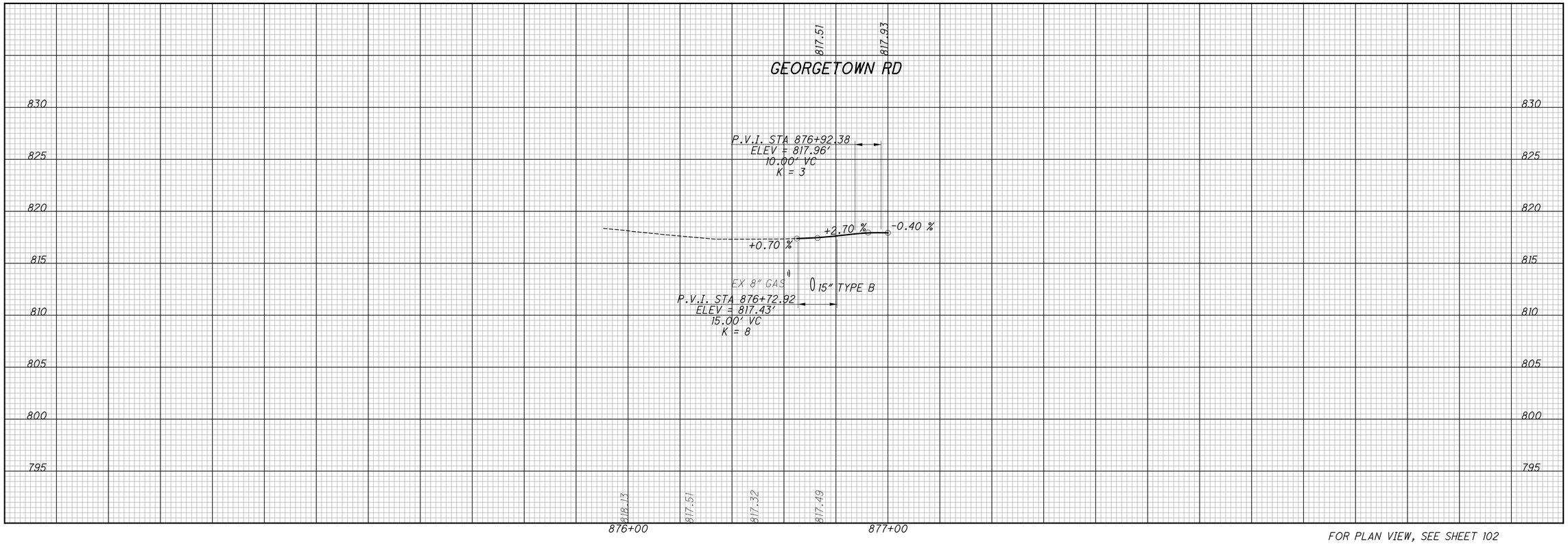
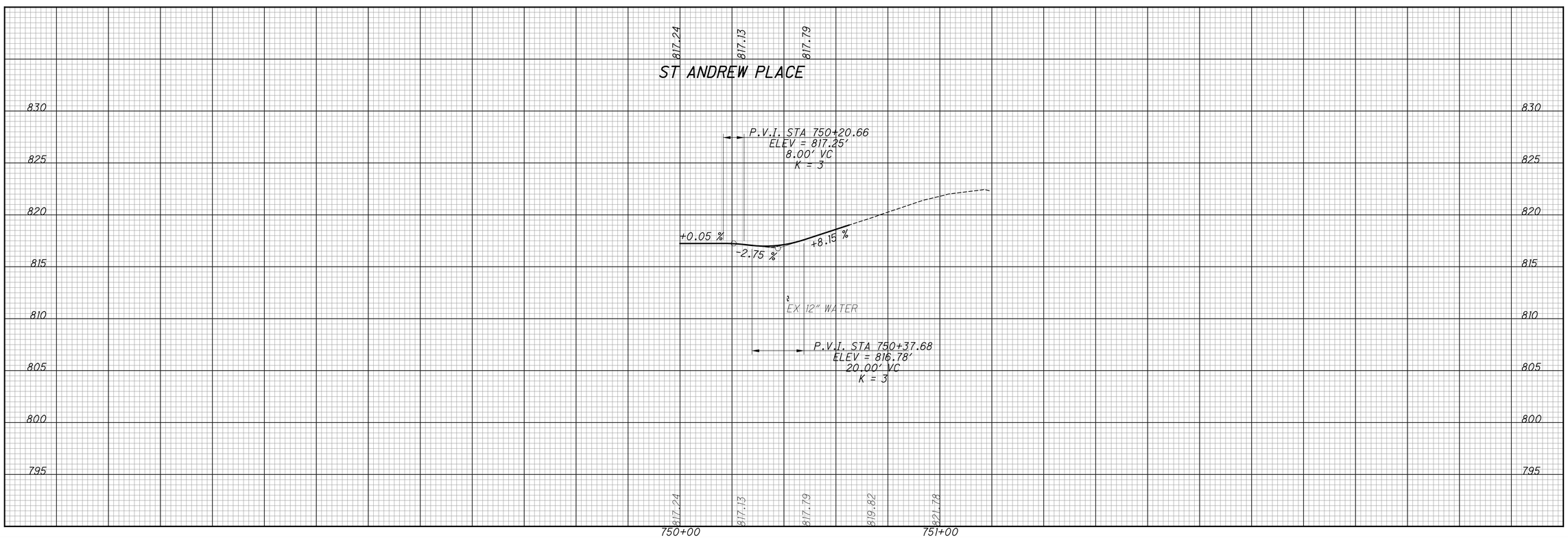


FOR PLAN VIEW, SEE SHEET 102



CALCULATED CML
CHECKED JS

PROFILES - GEORGETOWN ROAD & ST ANDREW PLACE

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:02:35 AM
11/14/2020
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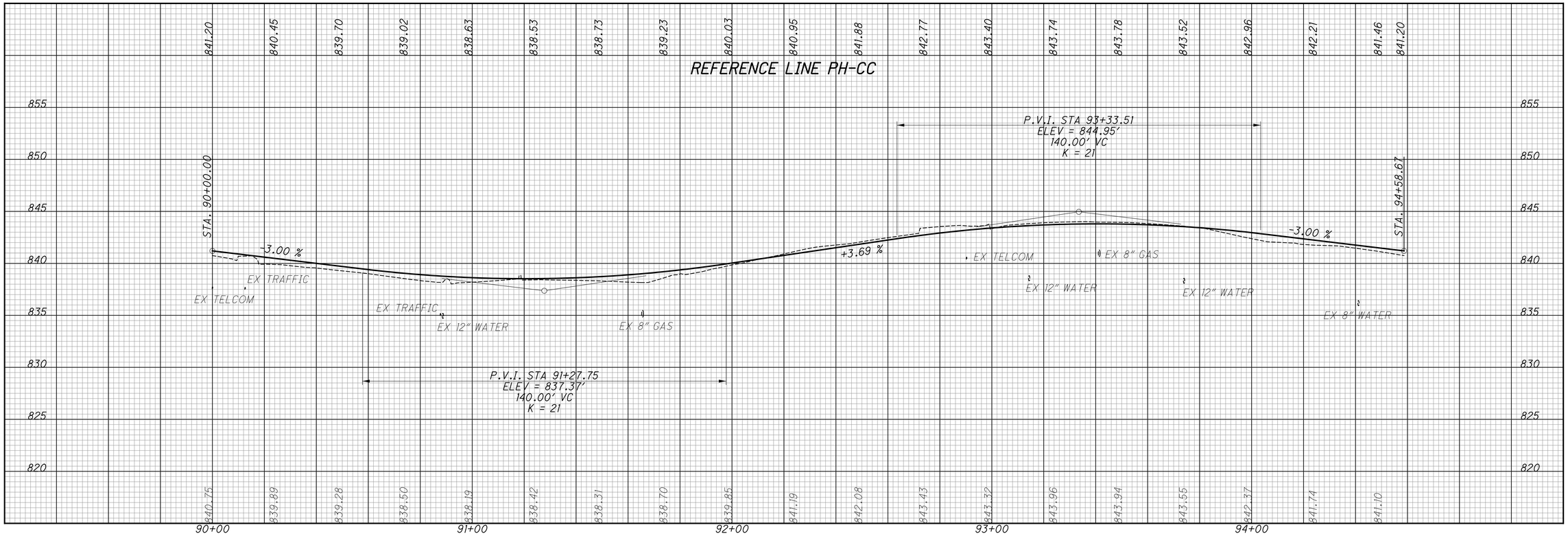

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - PH-CC & PH-NW

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:02:36 AM
1/14/2020
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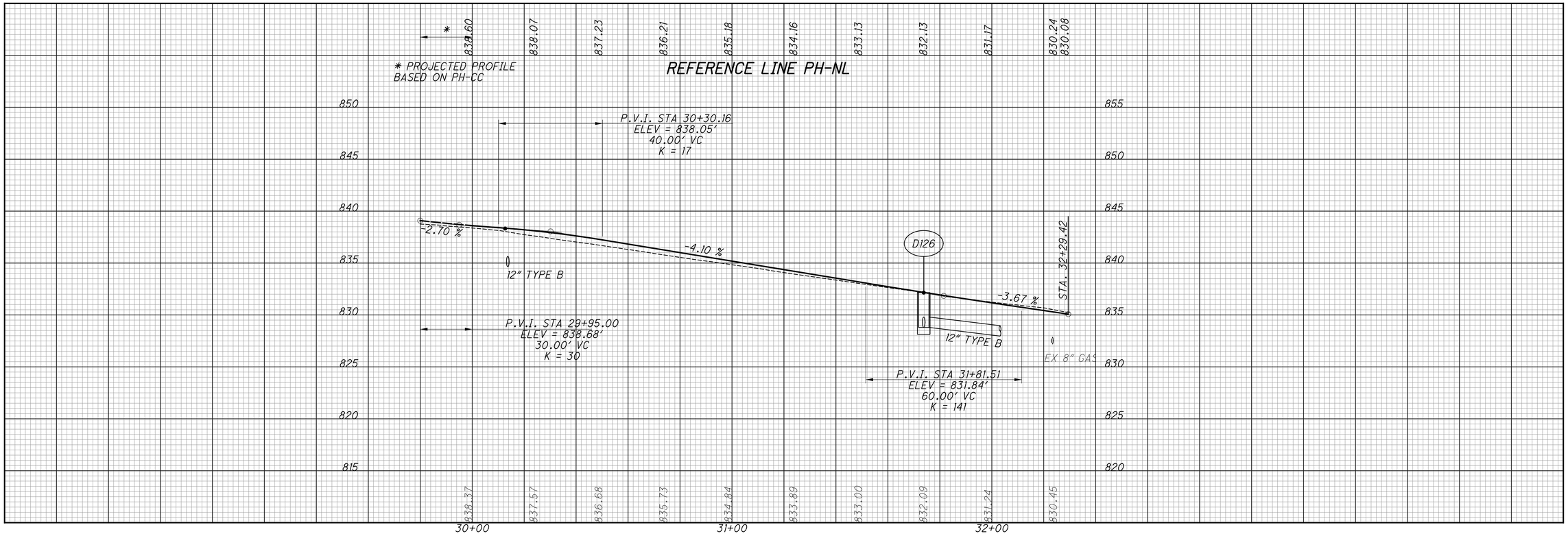

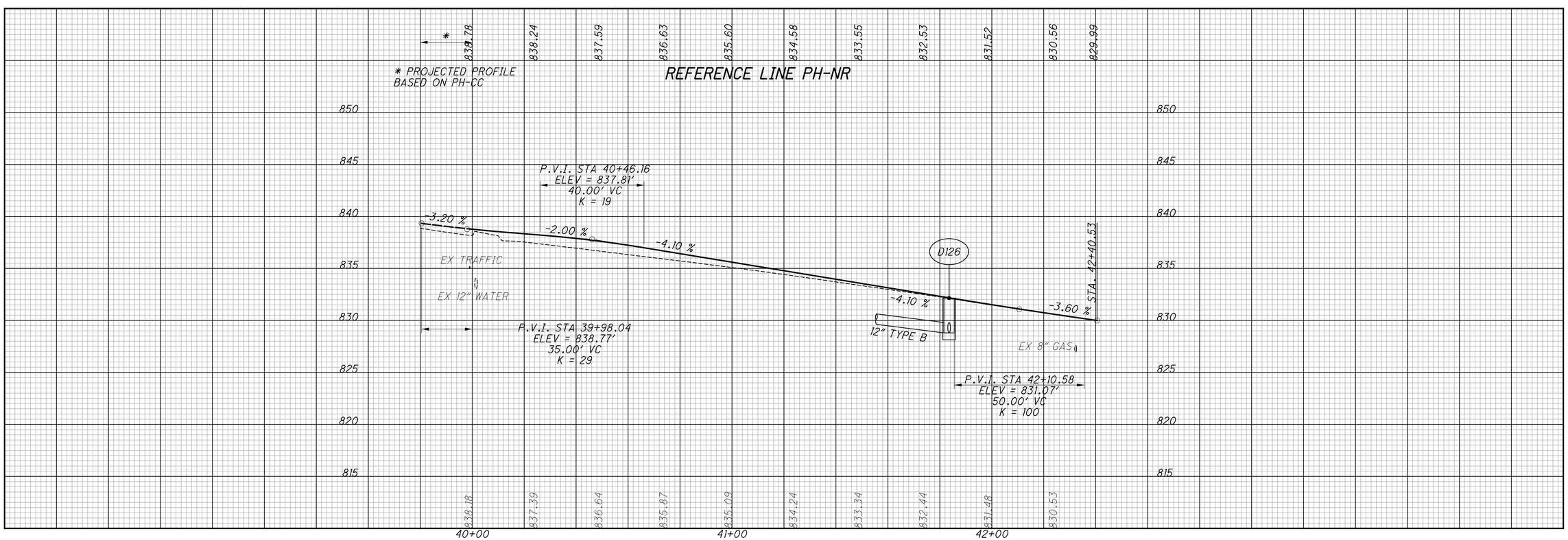

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - PH-NL & PH-NR

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:38 AM
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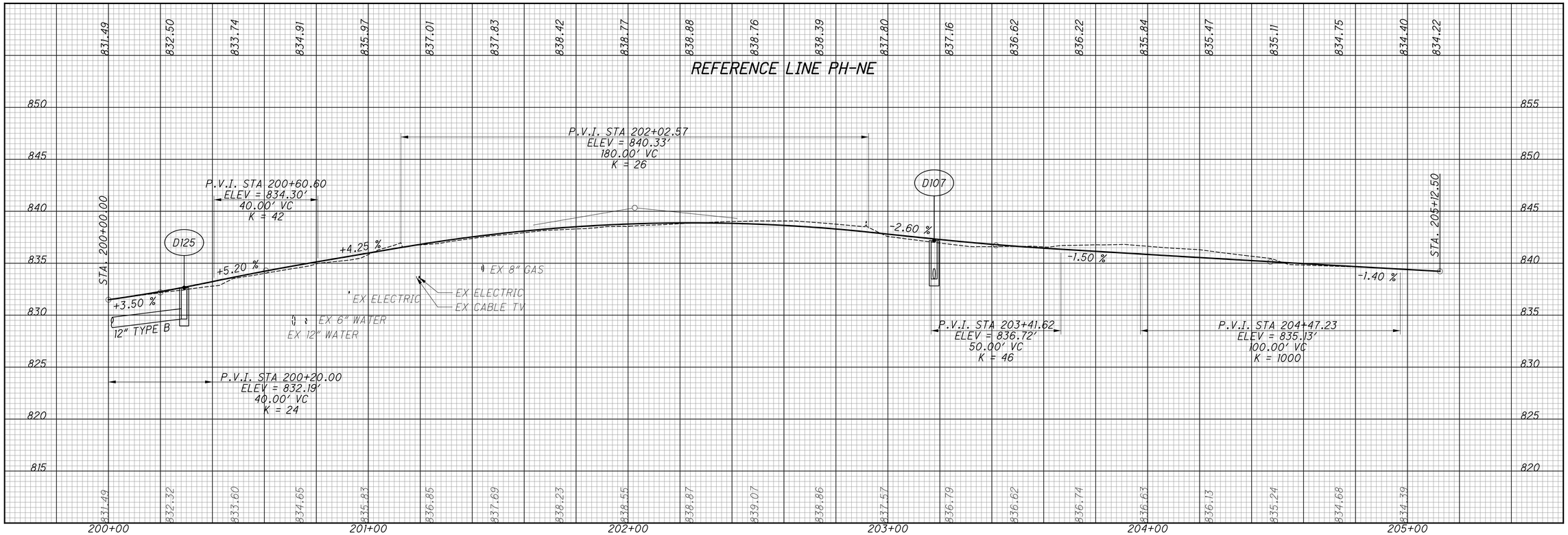

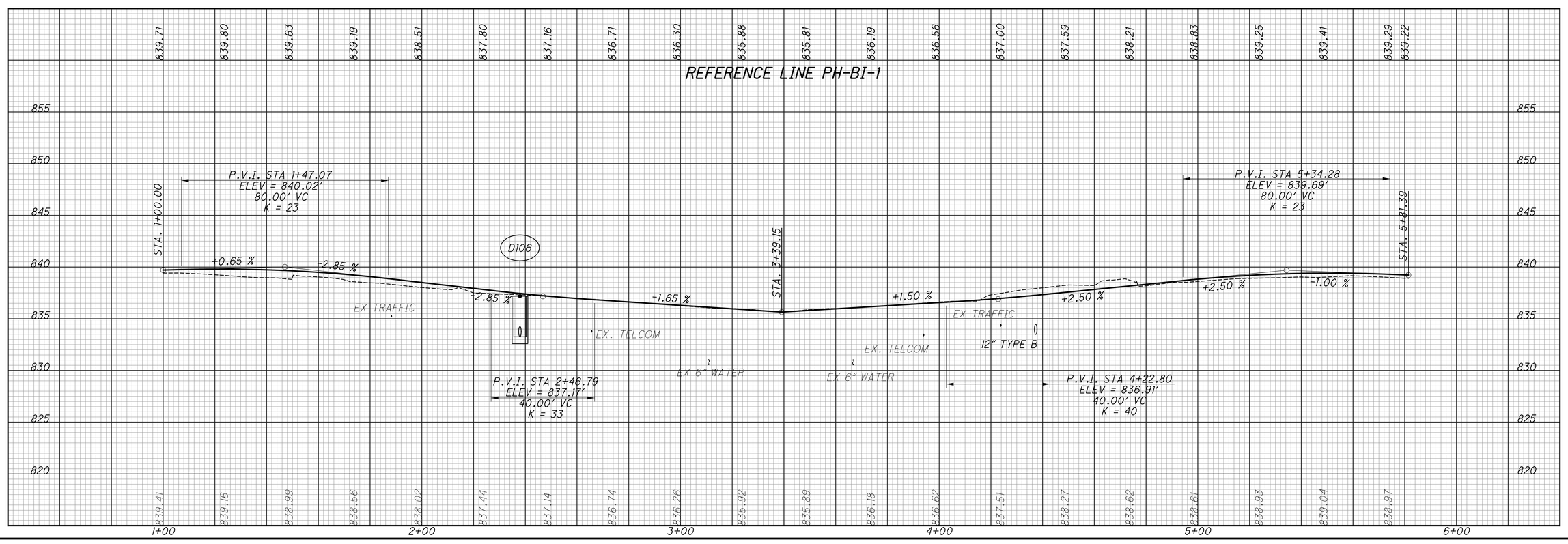

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - PH-NE & PH-BI-1

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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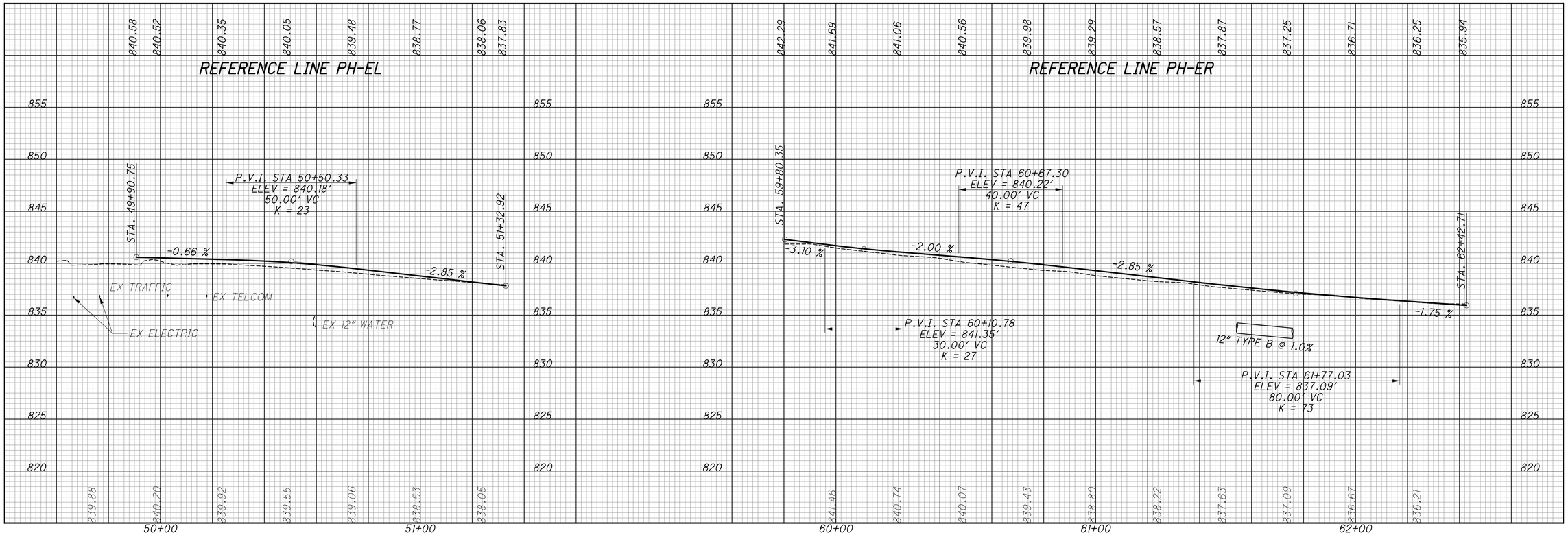

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - PH-EL, PH-ER, PH-SE & PH-SR

HAM-PLAINFIELD RD
ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:41 AM
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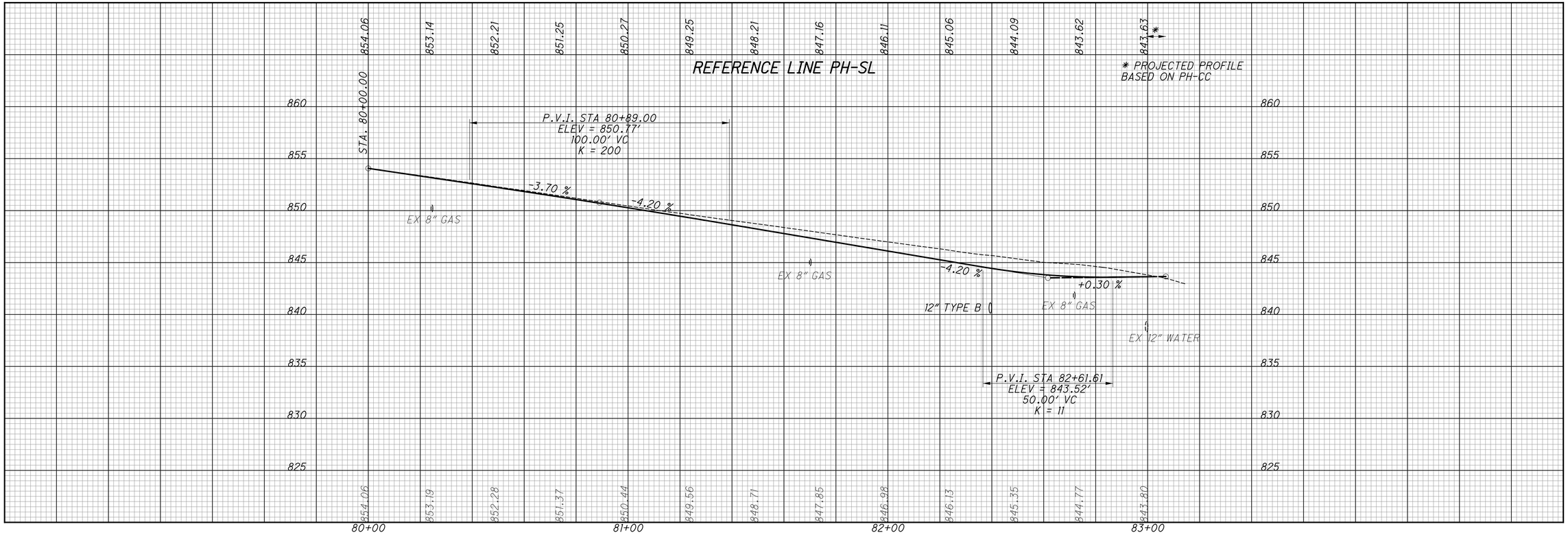
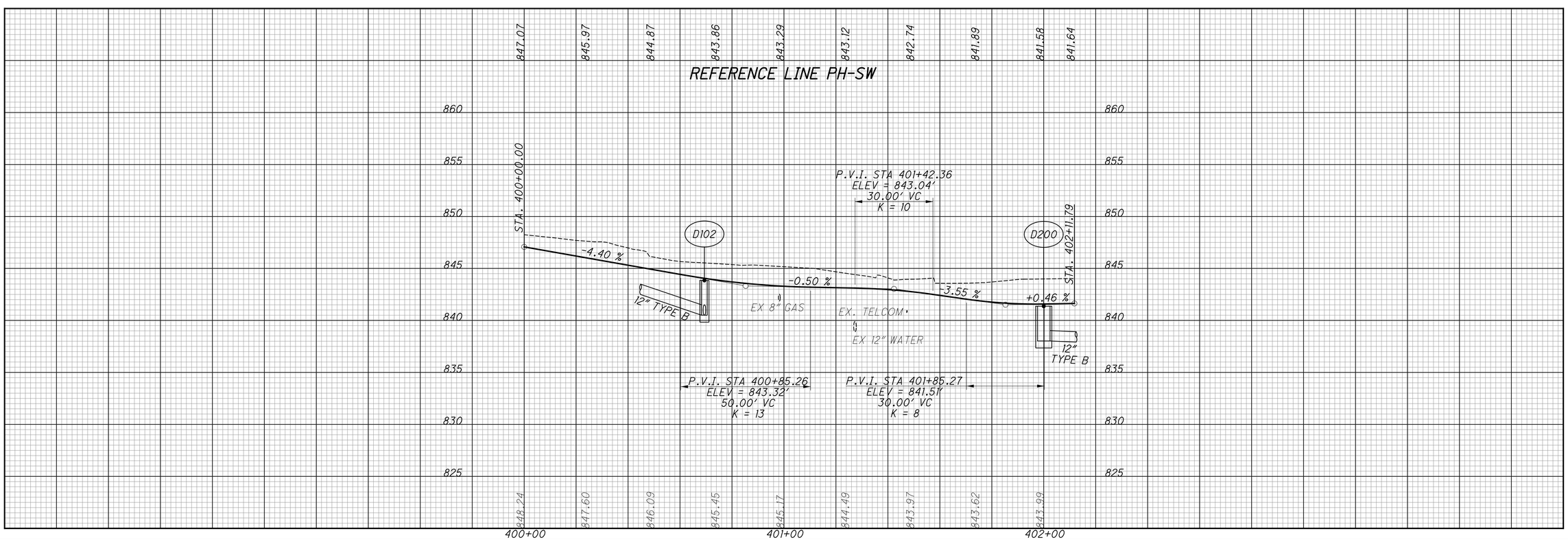


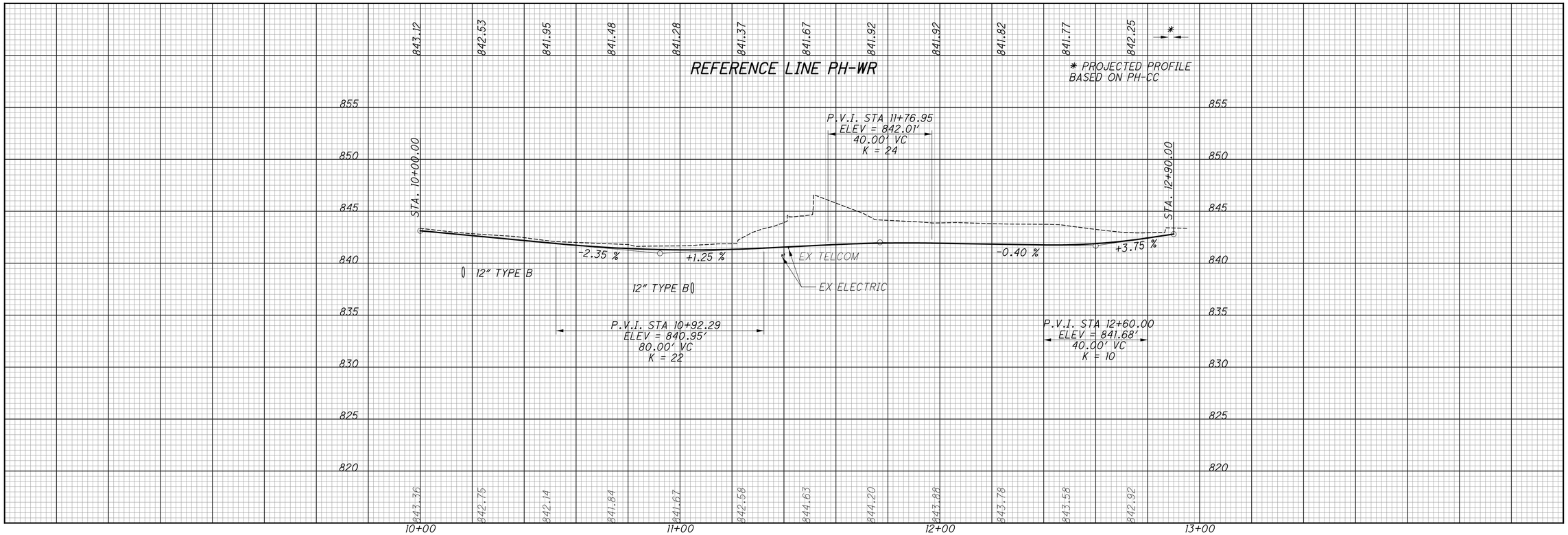


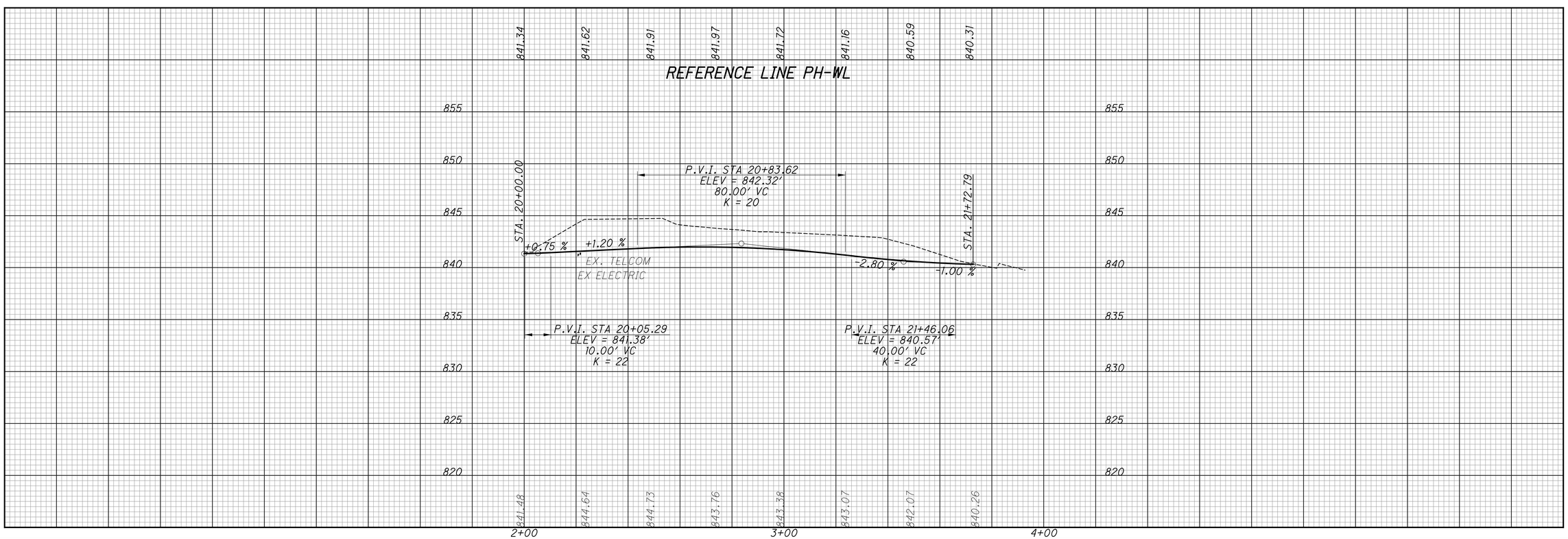
CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - PH-SL & PH-SW

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:42 AM
O:\2013\00482\C Design\HAM\103416\Design\Roadway\Sheets\103416GF105.dgn





CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - PH-WR & PH-WL

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:44 AM
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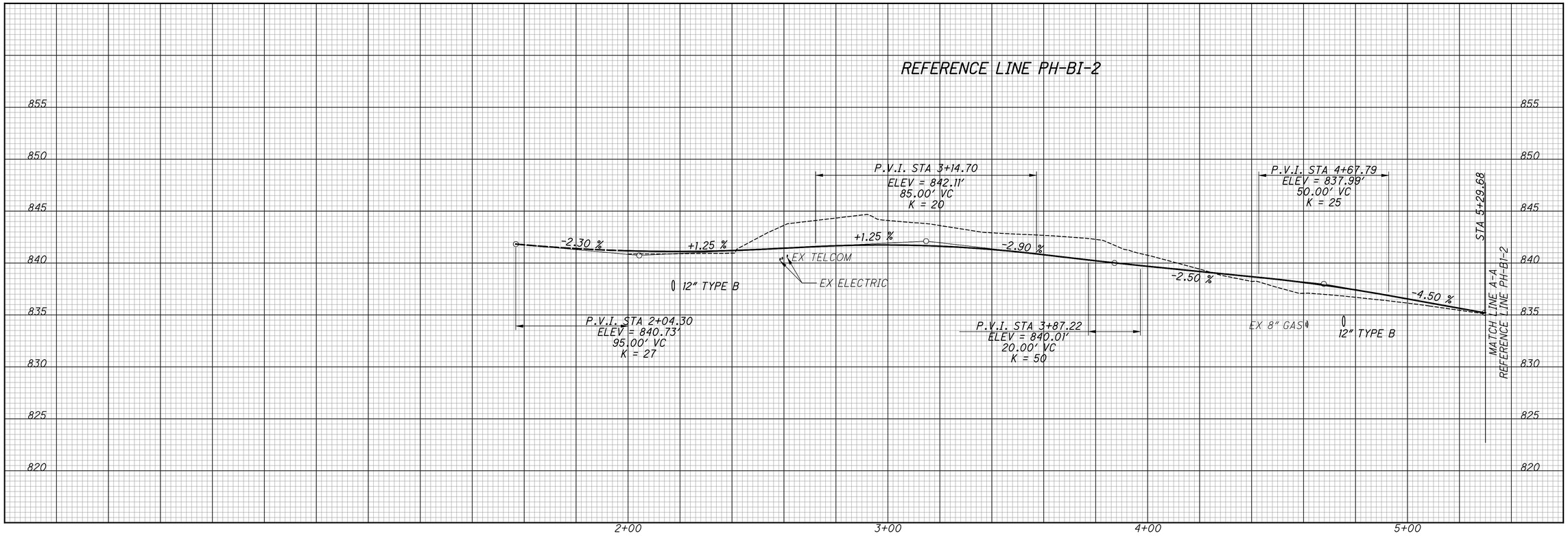

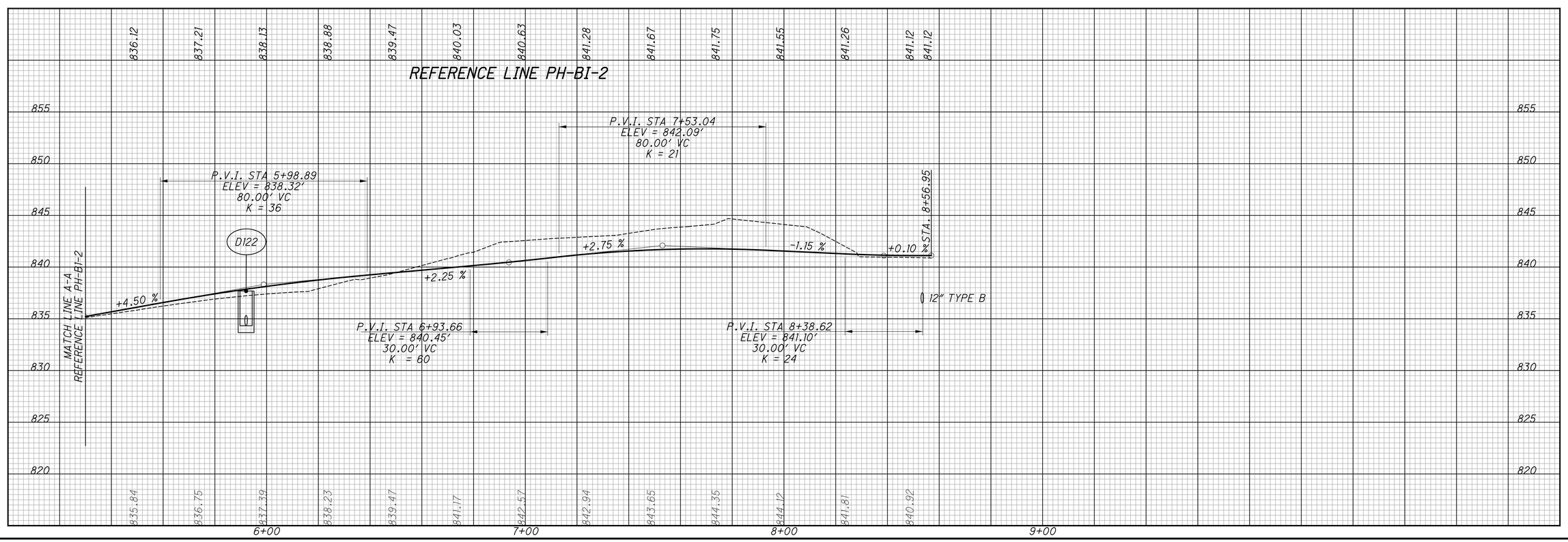

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - PH-BI-2

HAM-PLAINFIELD RD
ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:45 AM
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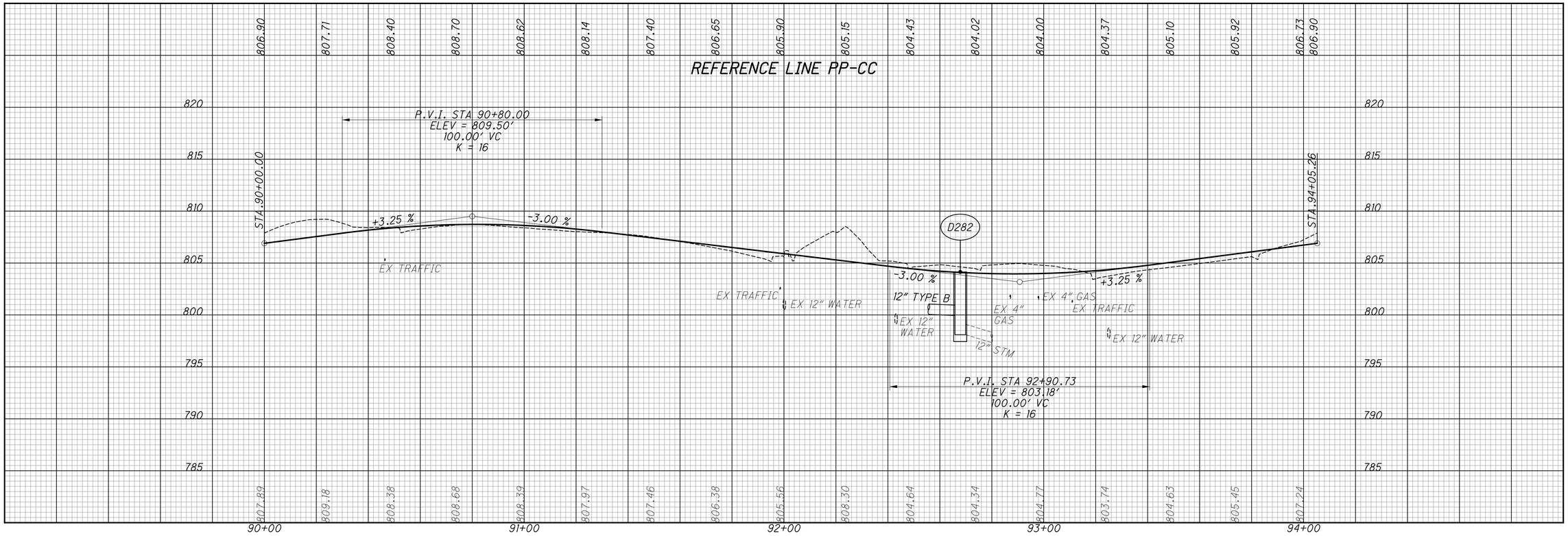

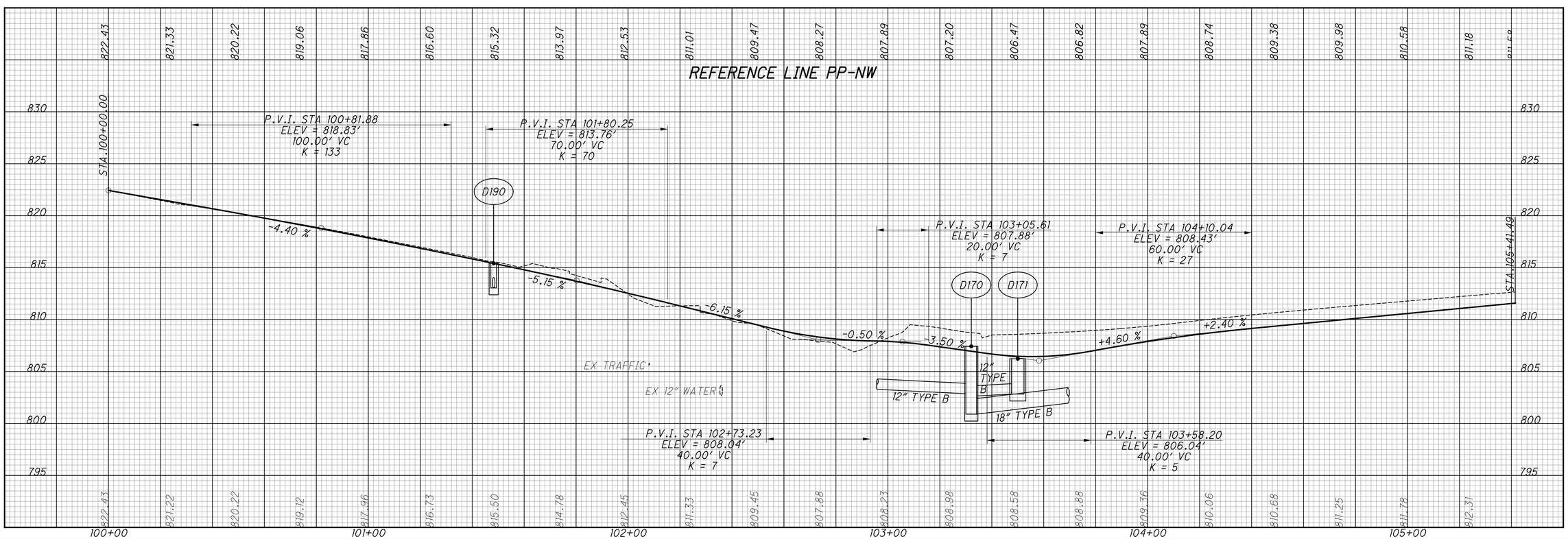

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - PP-CC & PP-NW

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:02:50 AM
11/14/2020
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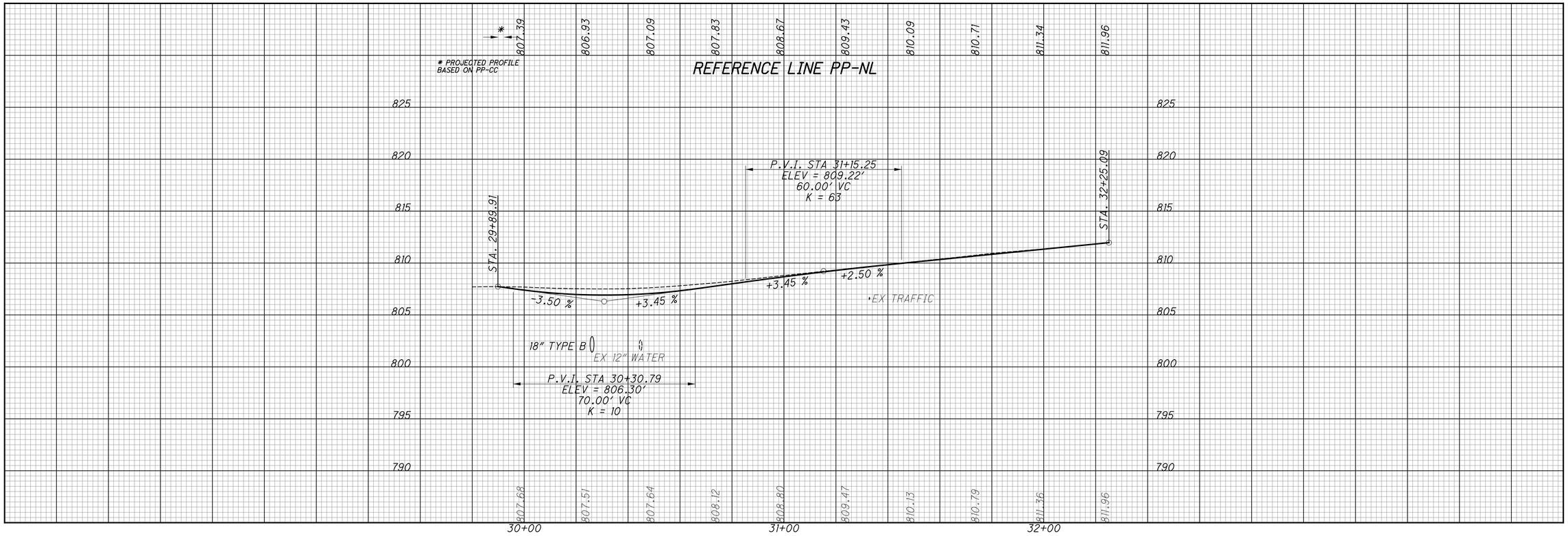

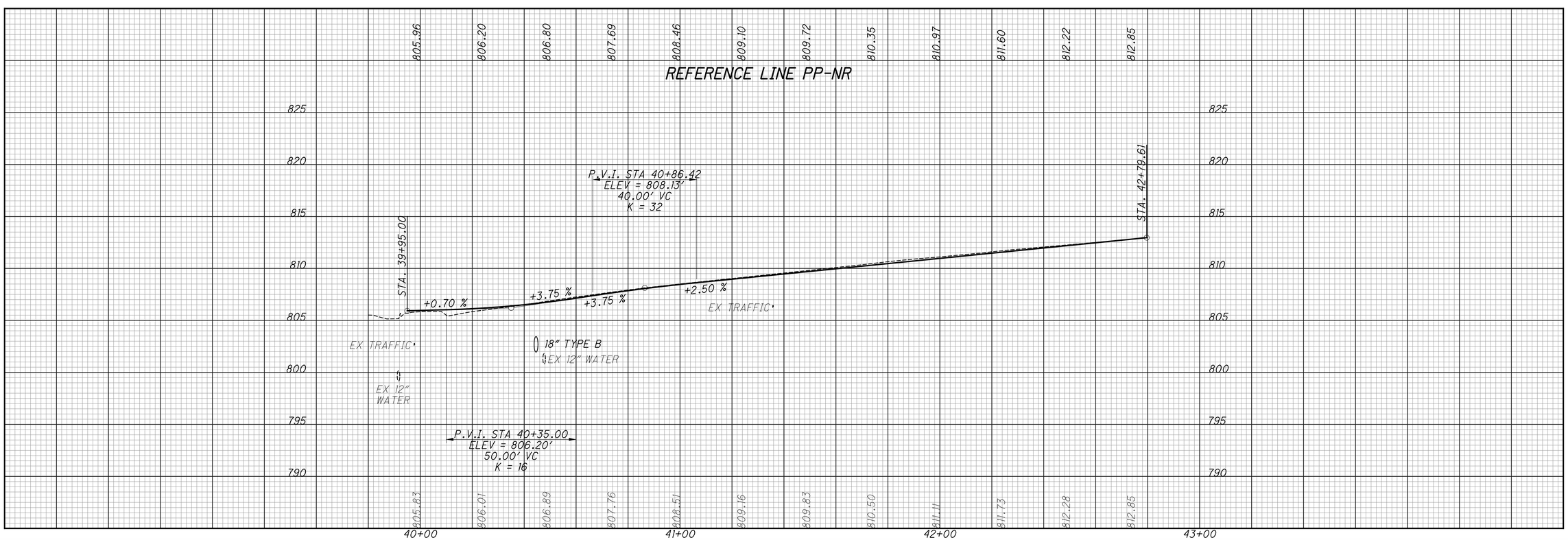

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - PP-NL & PP-NR

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:52 AM
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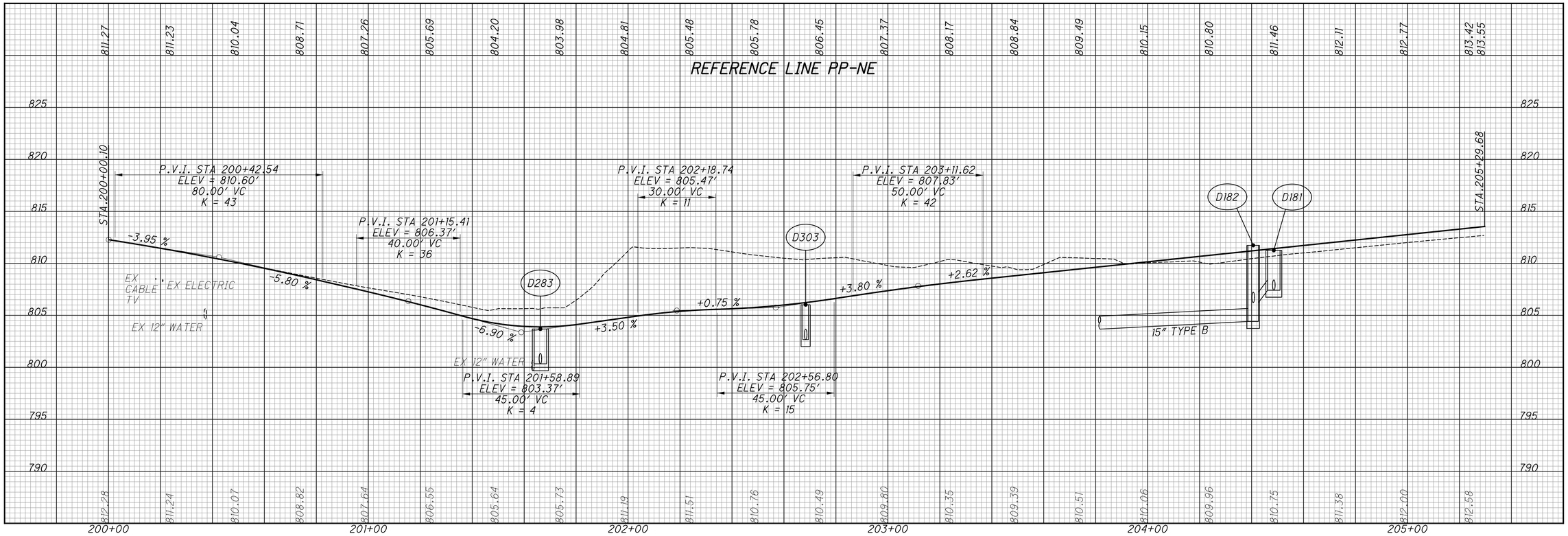

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - PP-NE, PP-EL & PP-ER

HAM-PLAINFIELD RD
ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:53 AM
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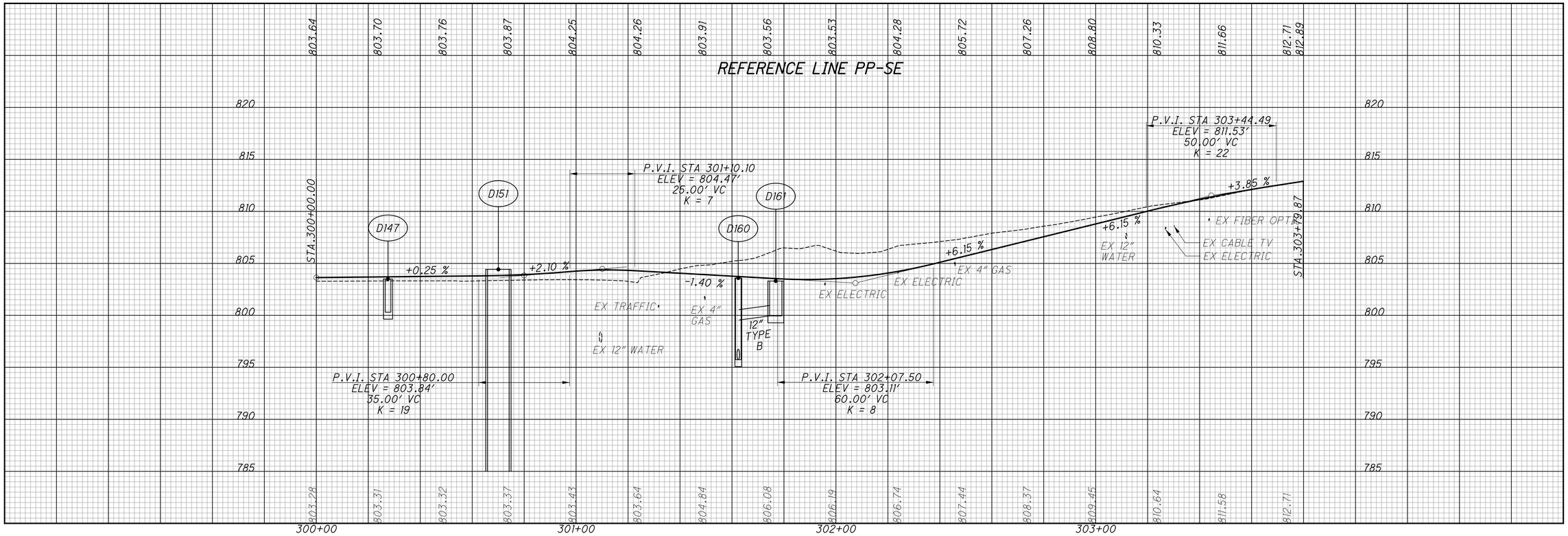

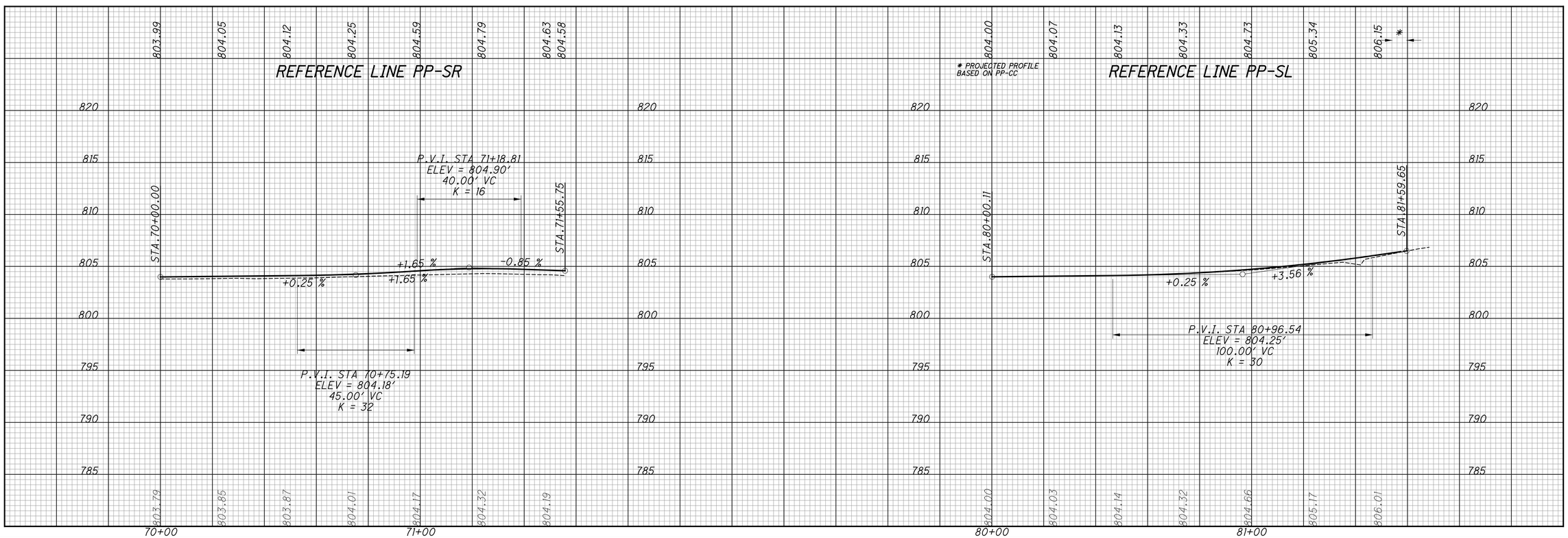

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - PP-SE, PP-SR & PP-SL

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:02:54 AM
01/14/2020
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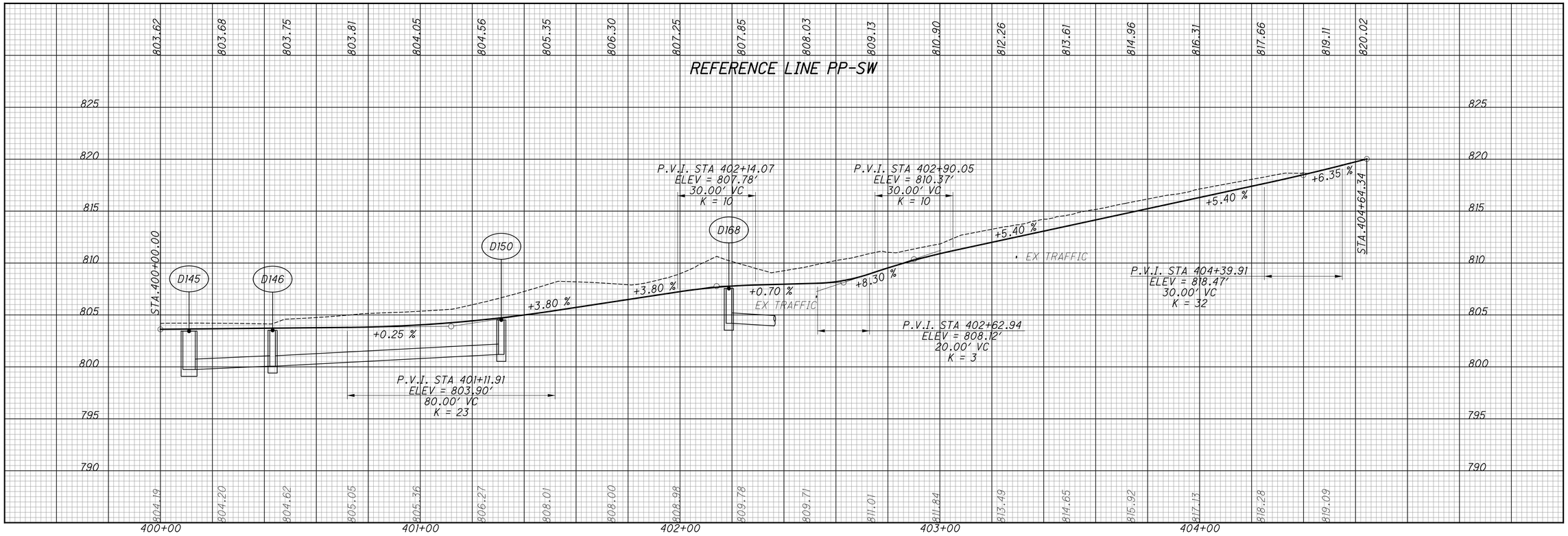

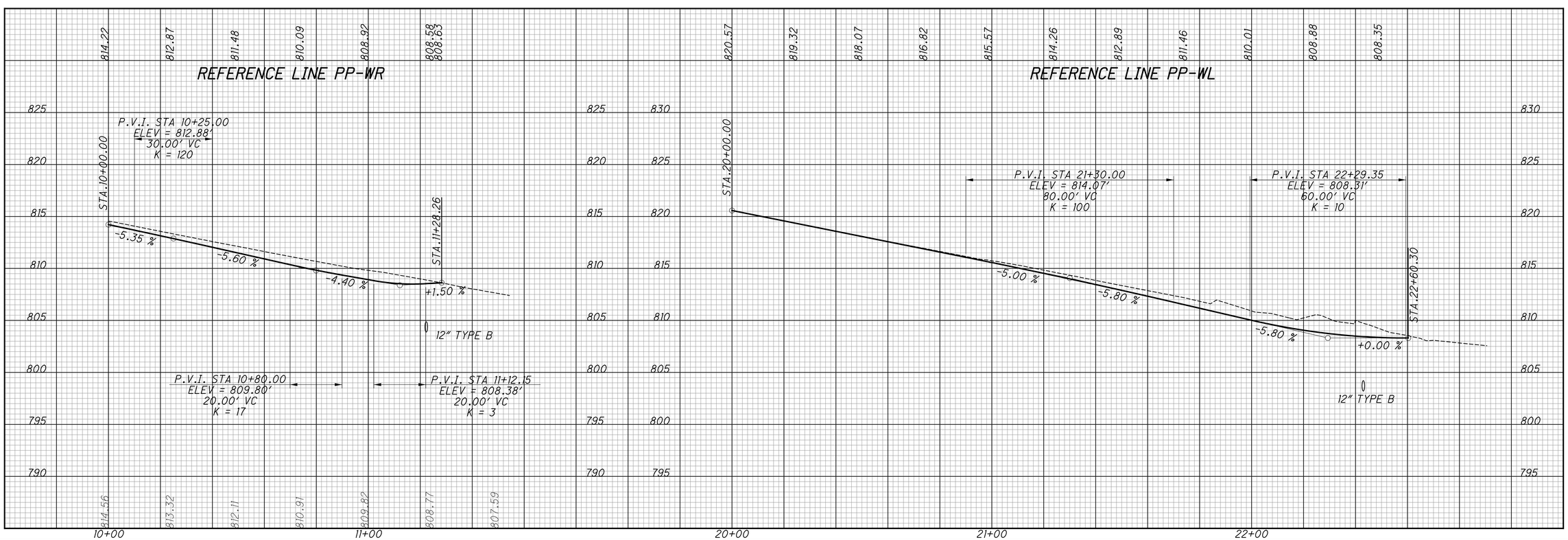

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - PP-SW, PP-WR & PP-WL

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:56 AM
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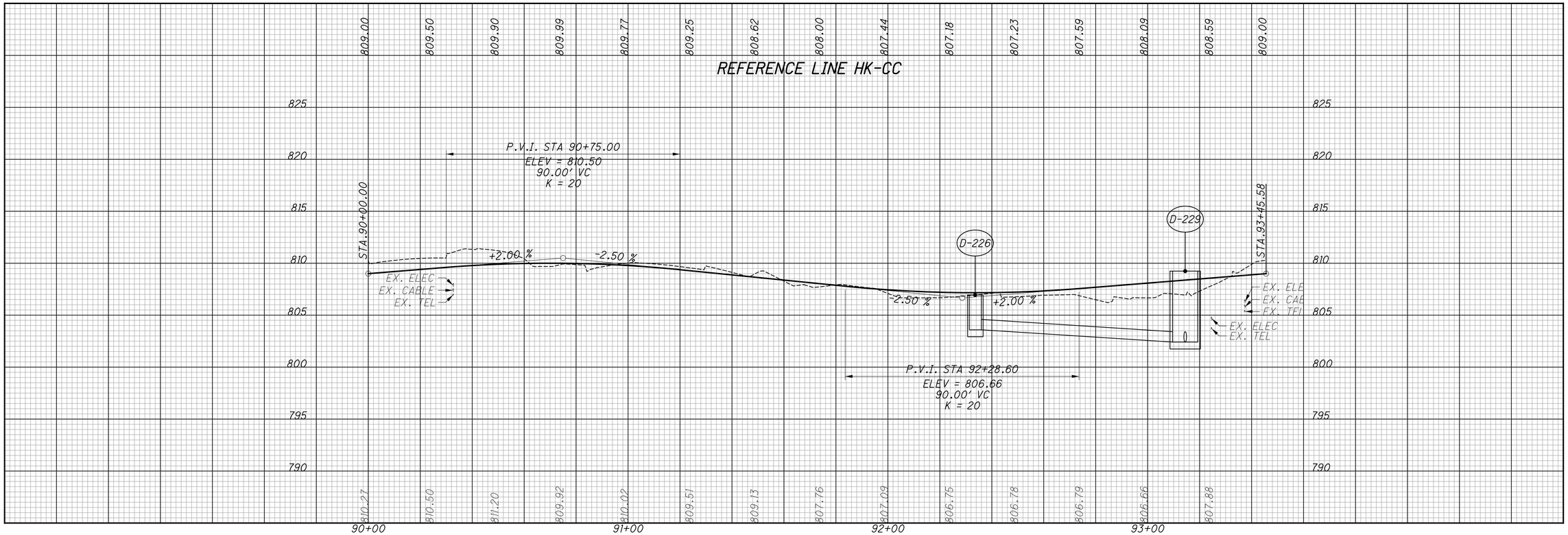

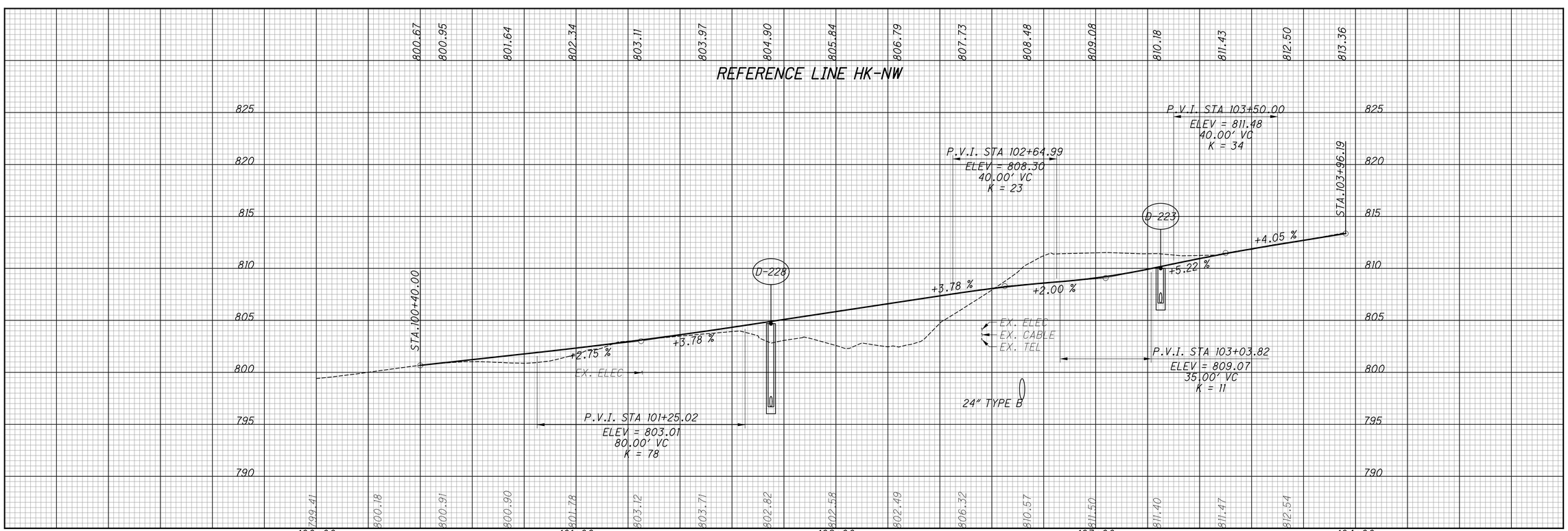

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - HK-CC & HK-NW

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:02:58 AM
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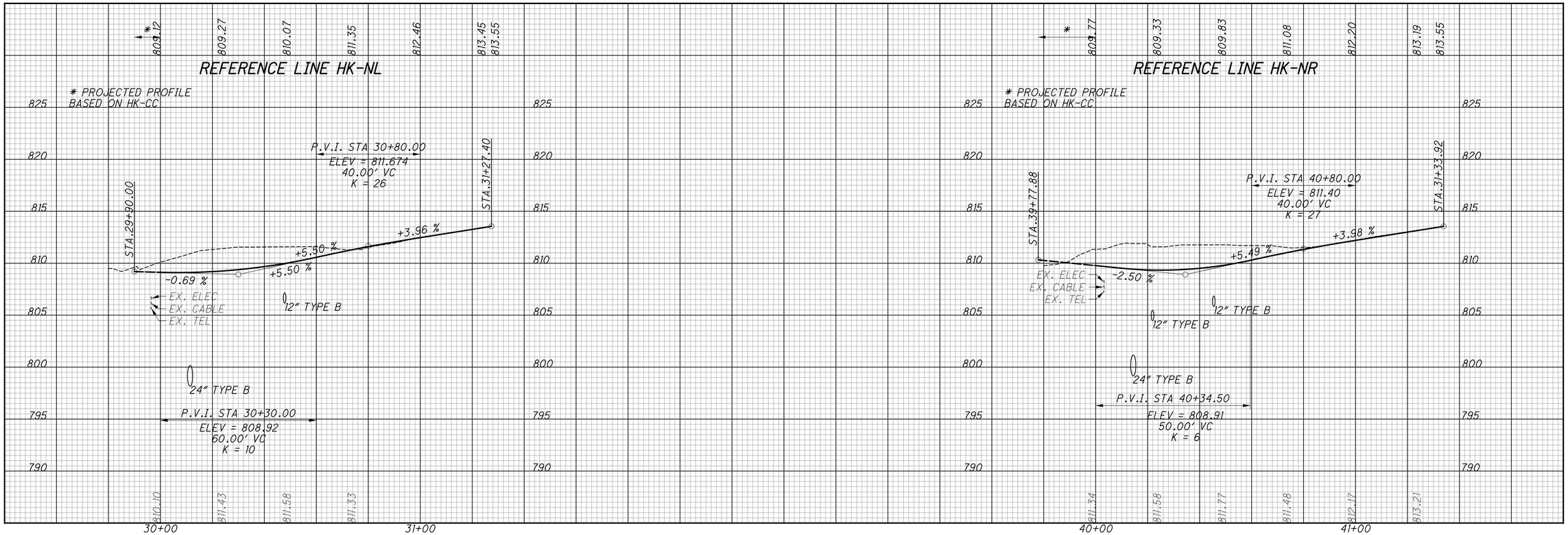

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - HK-NL, HK-NR, HK-NE & HK-EL

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:03:00 AM
1/14/2020
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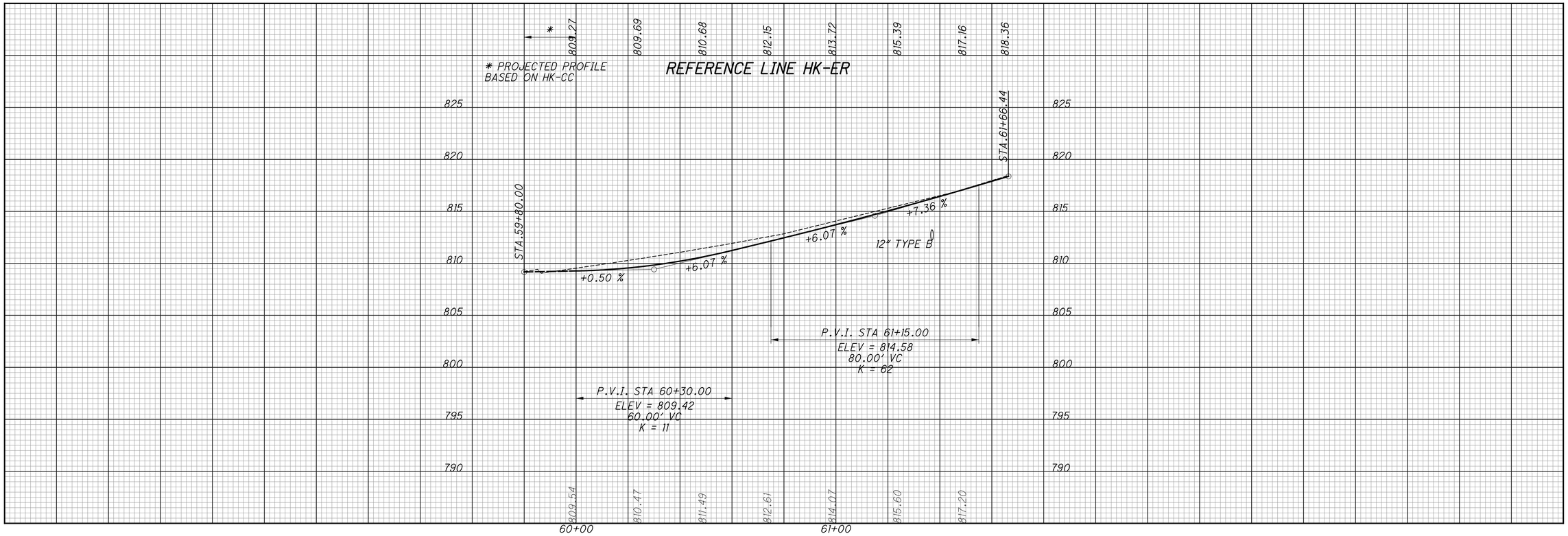

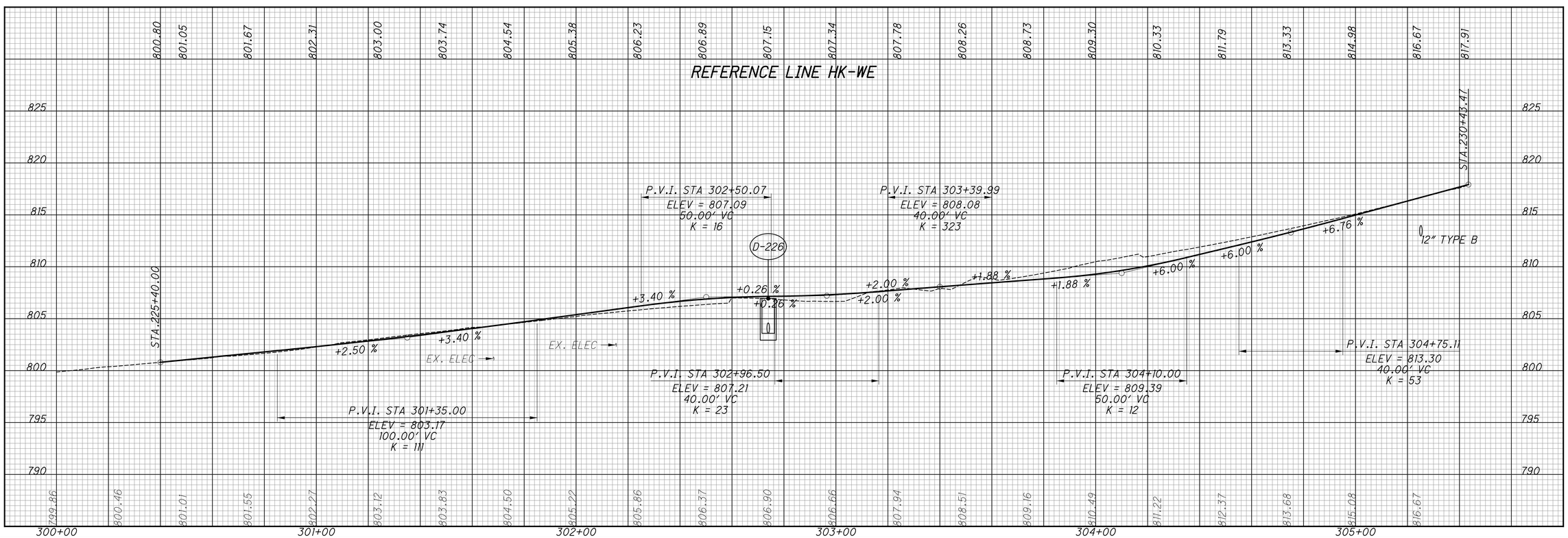

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - HK-ER & HK-WE

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:03:01 AM
10/14/2020
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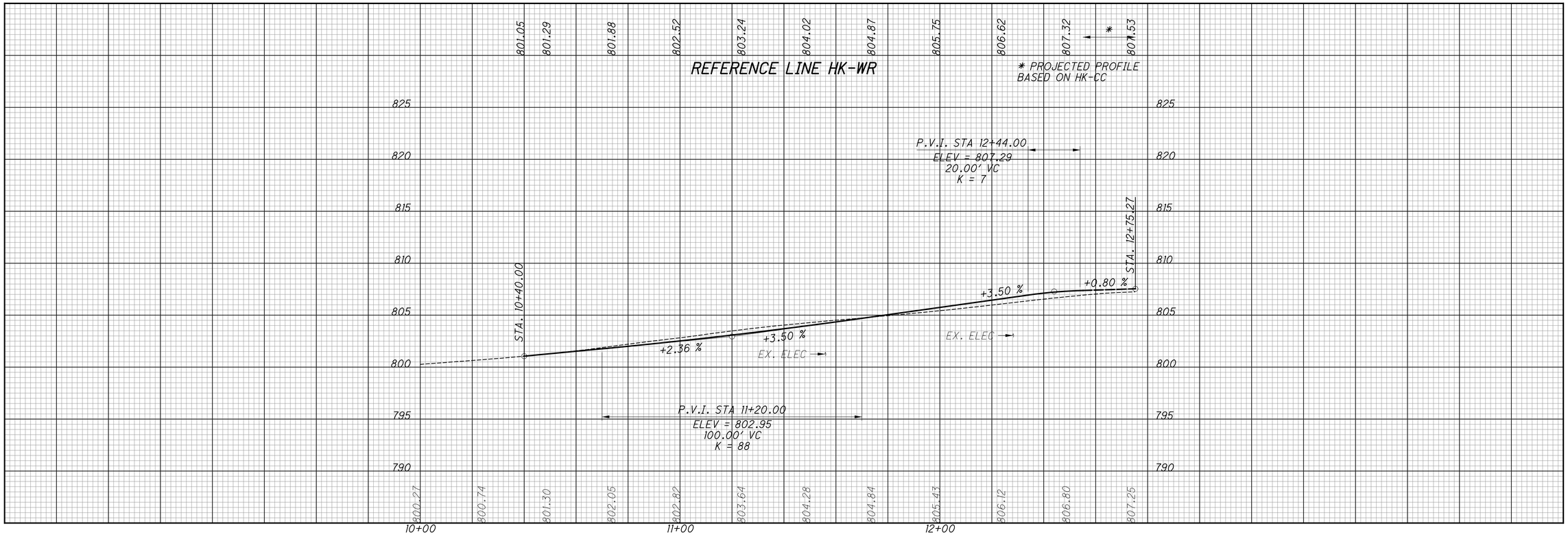

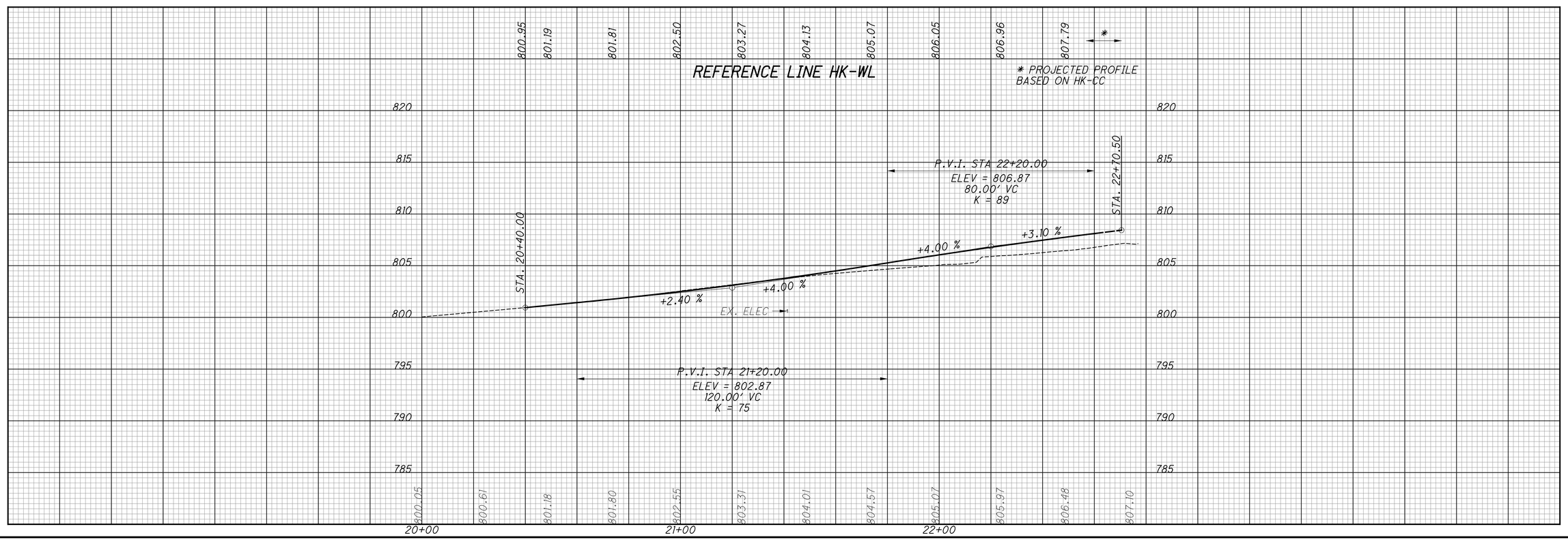

CALCULATED CML
CHECKED JS

REFERENCE LINE PROFILES - HK-WR & HK-WL

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:03:02 AM
01/14/2020
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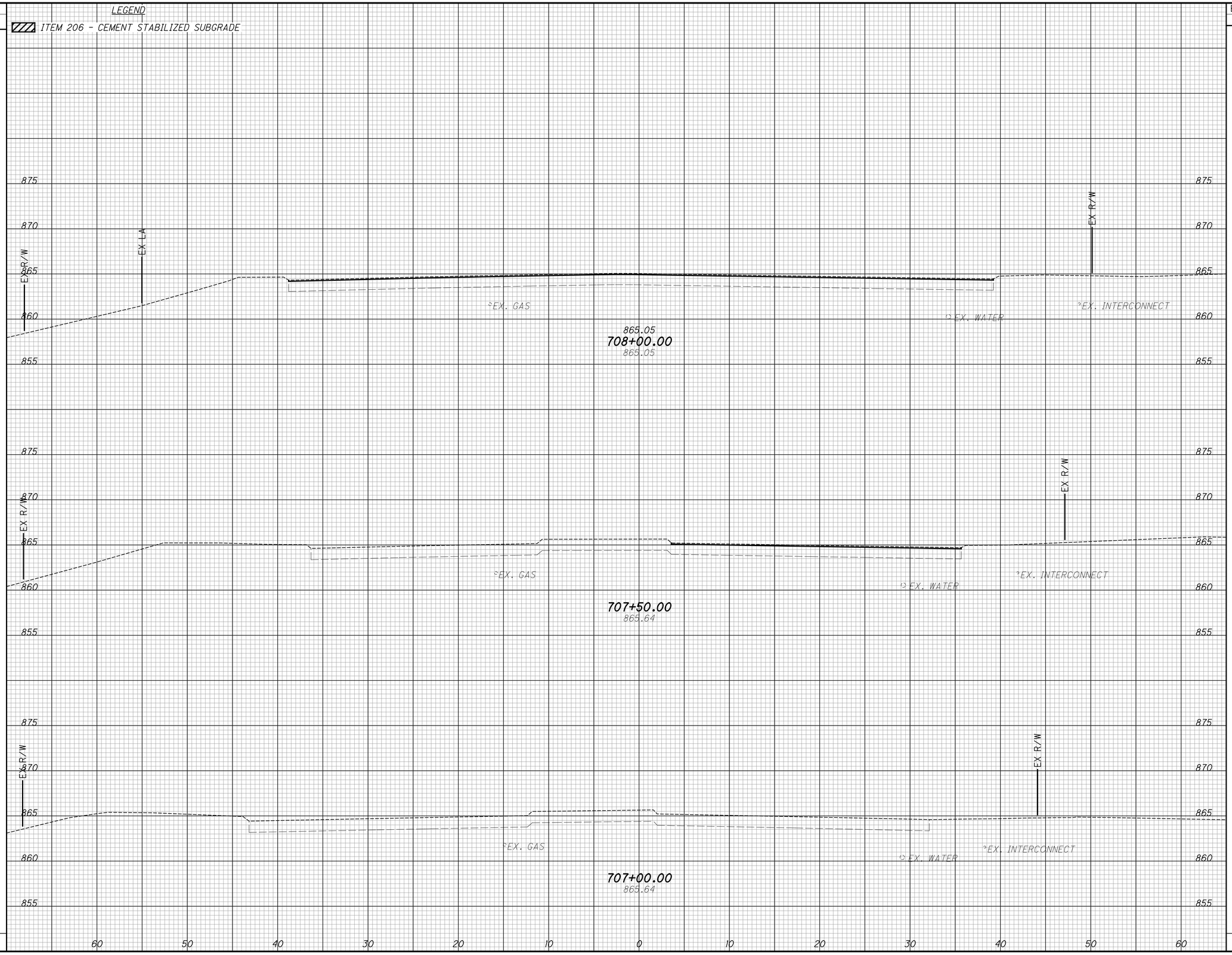
SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

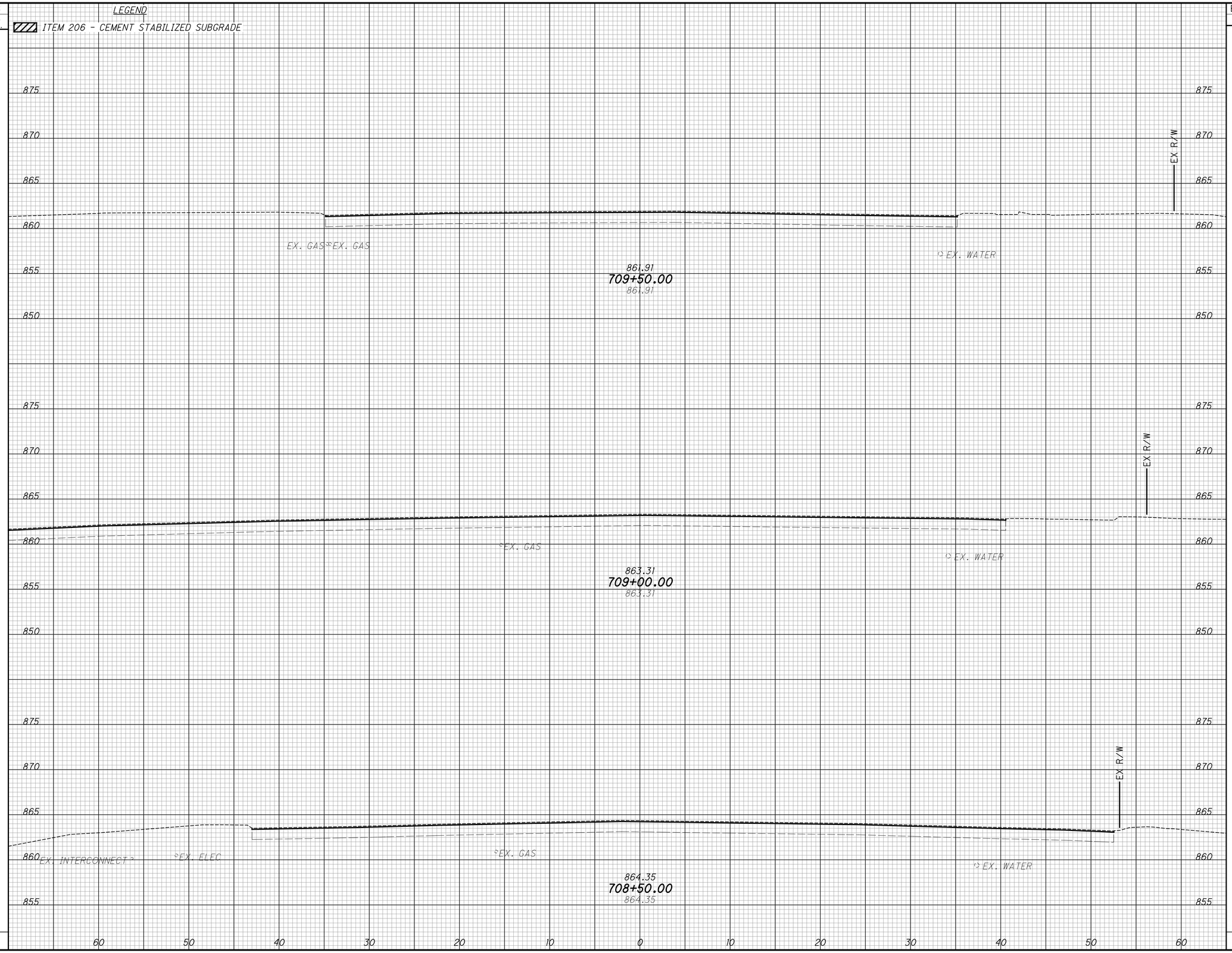
CROSS SECTIONS - PLAINFIELD RD
STA. 707+00.00 TO STA. 708+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

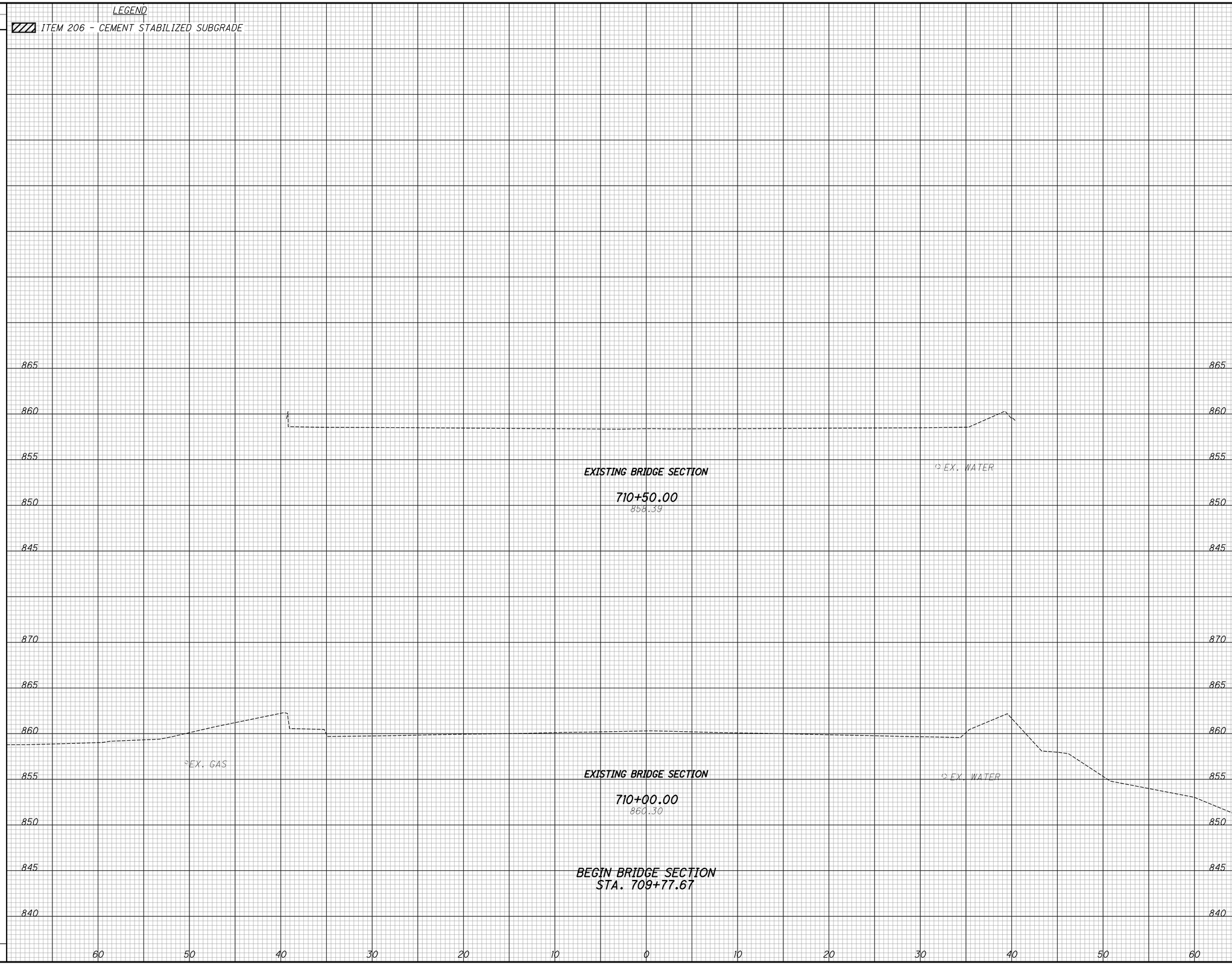
CROSS SECTIONS - PLAINFIELD RD
STA. 708+50.00 TO STA. 709+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

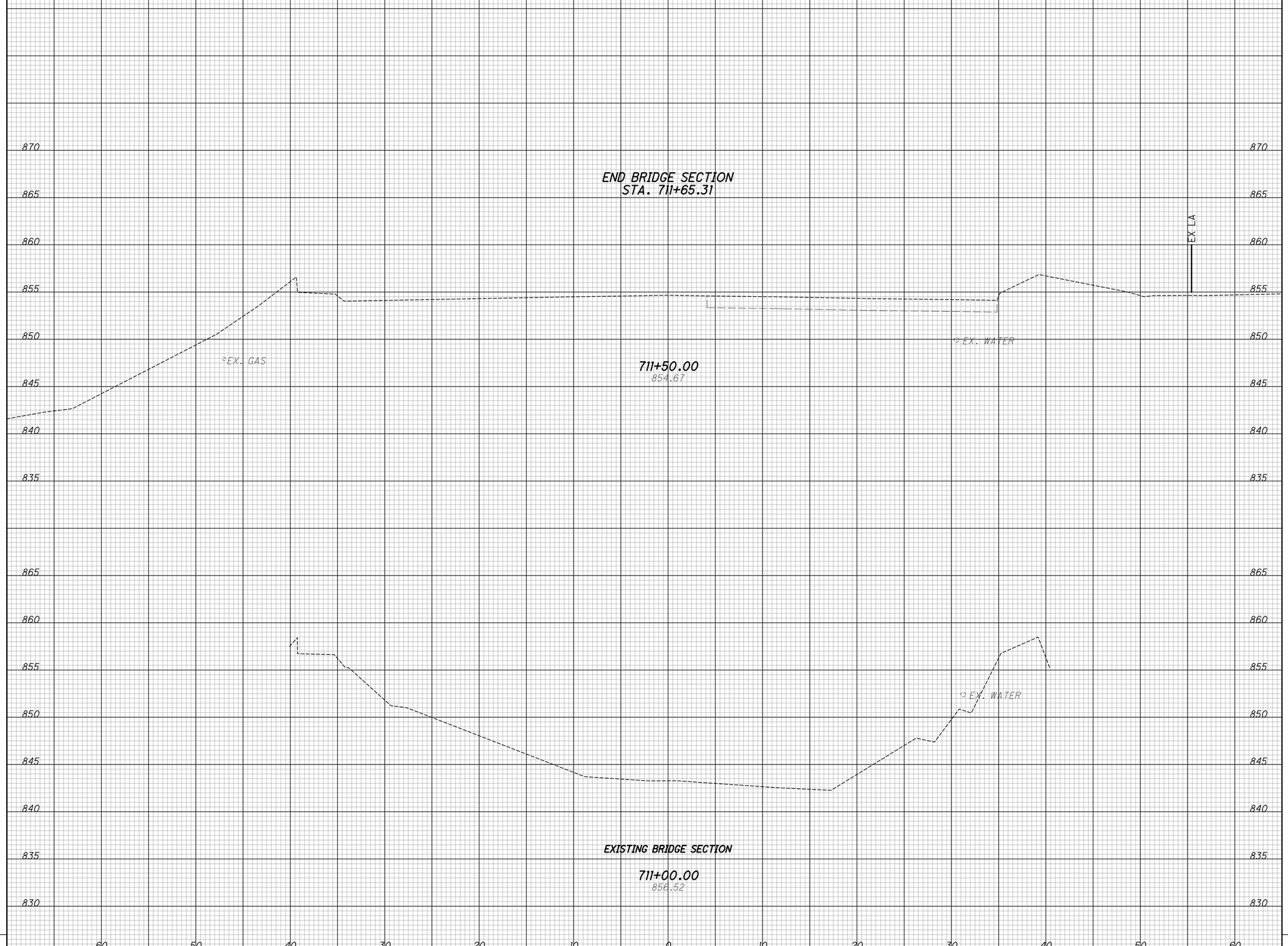
CROSS SECTIONS - PLAINFIELD RD
STA. 709+77.67 TO STA. 710+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

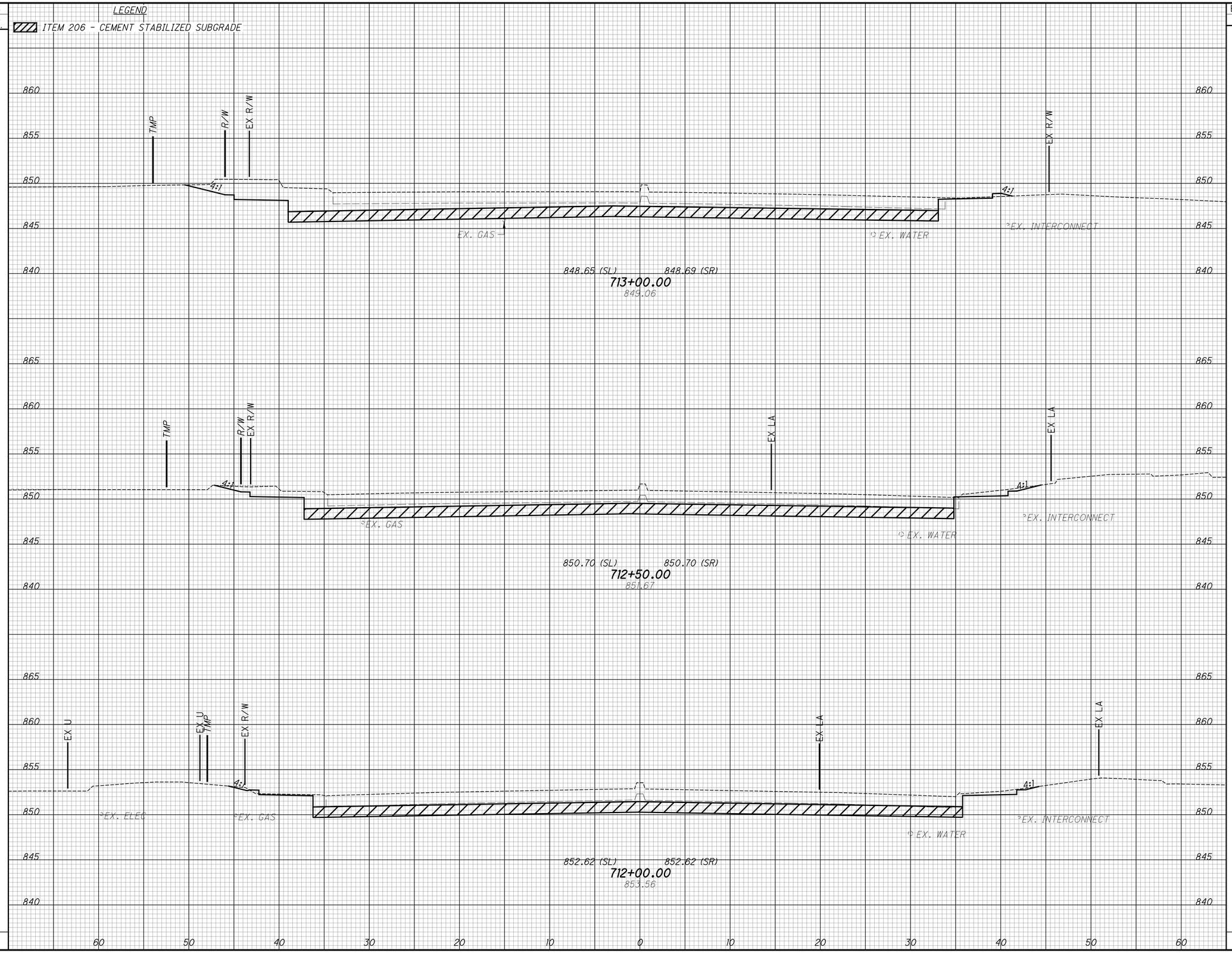
CROSS SECTIONS - PLAINFIELD RD
STA. 711+00.00 TO STA. 711+65.31

HAM-PLAINFIELD RD
ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

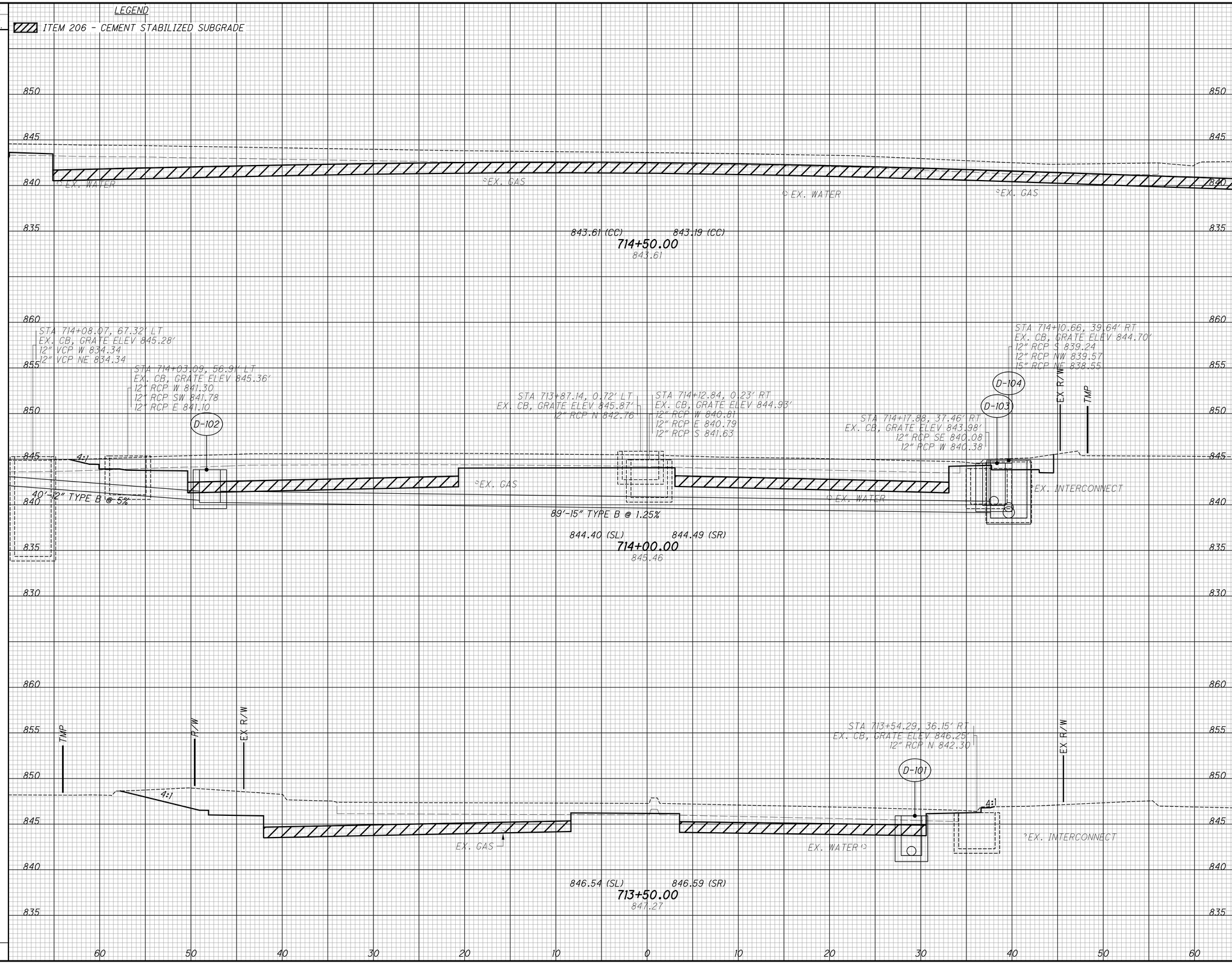
CROSS SECTIONS - PLAINFIELD RD
STA. 712+00.00 TO STA. 713+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS



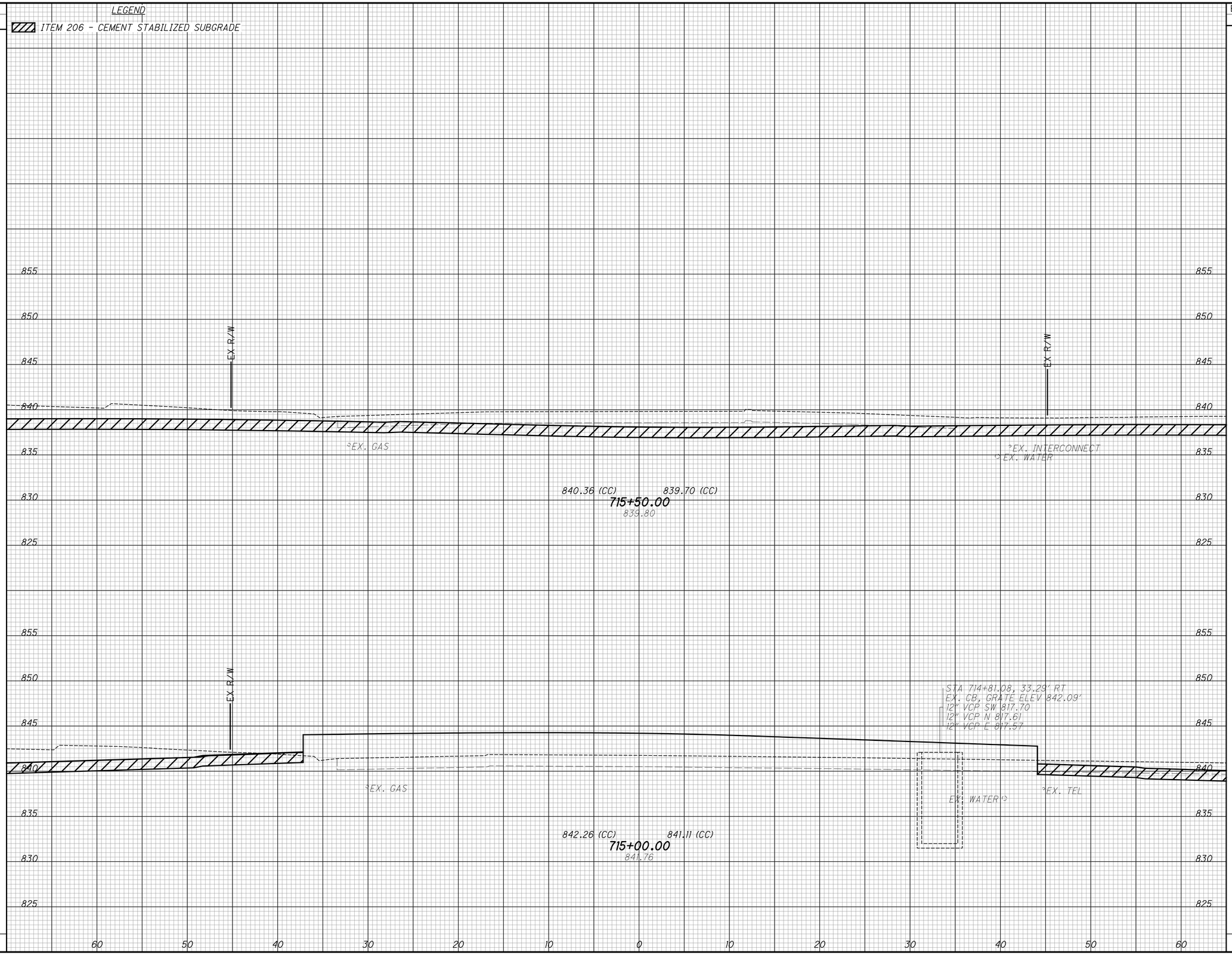
CROSS SECTIONS - PLAINFIELD RD
STA. 713+50.00 TO STA. 714+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

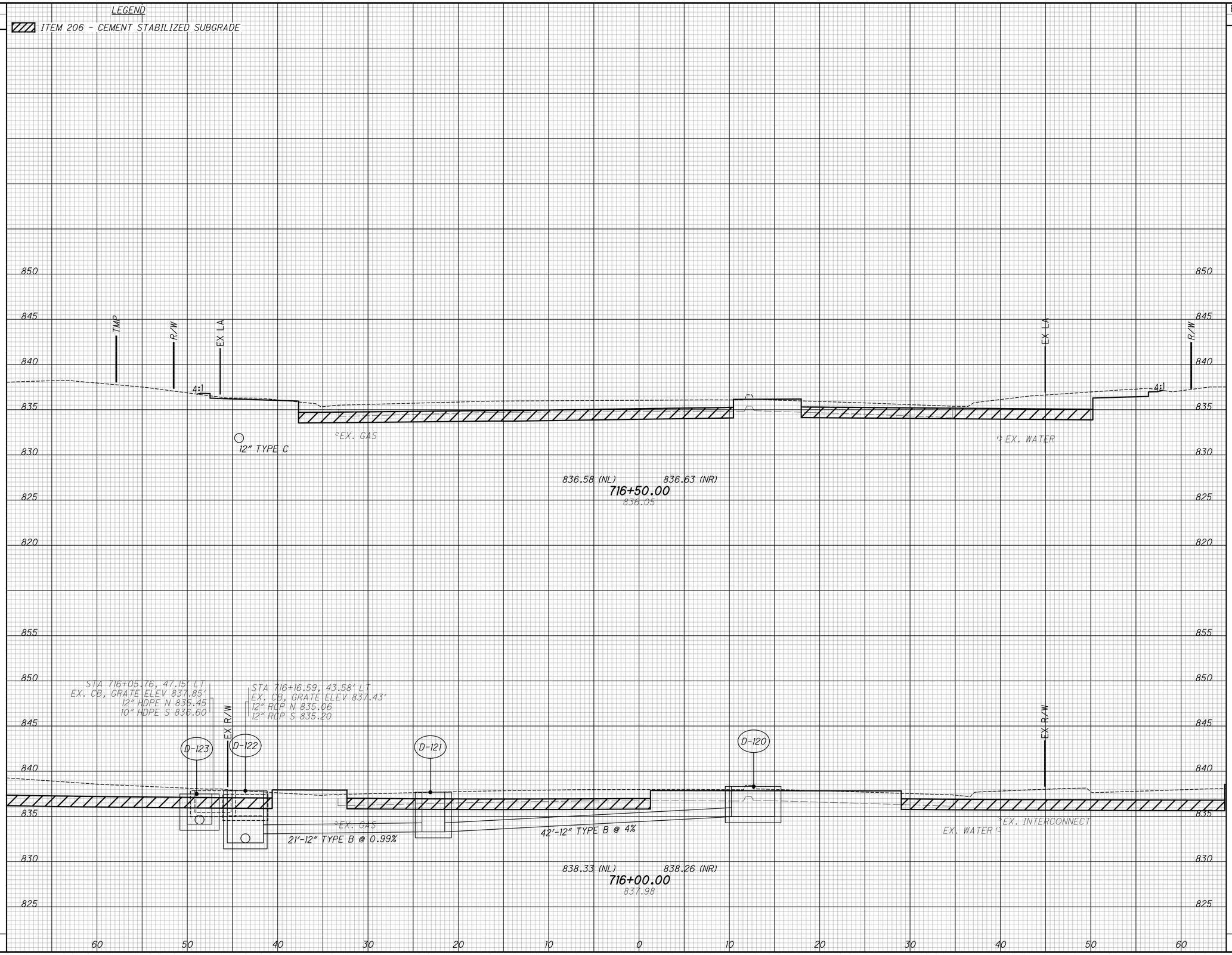
CROSS SECTIONS - PLAINFIELD RD
STA. 715+00.00 TO STA. 715+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

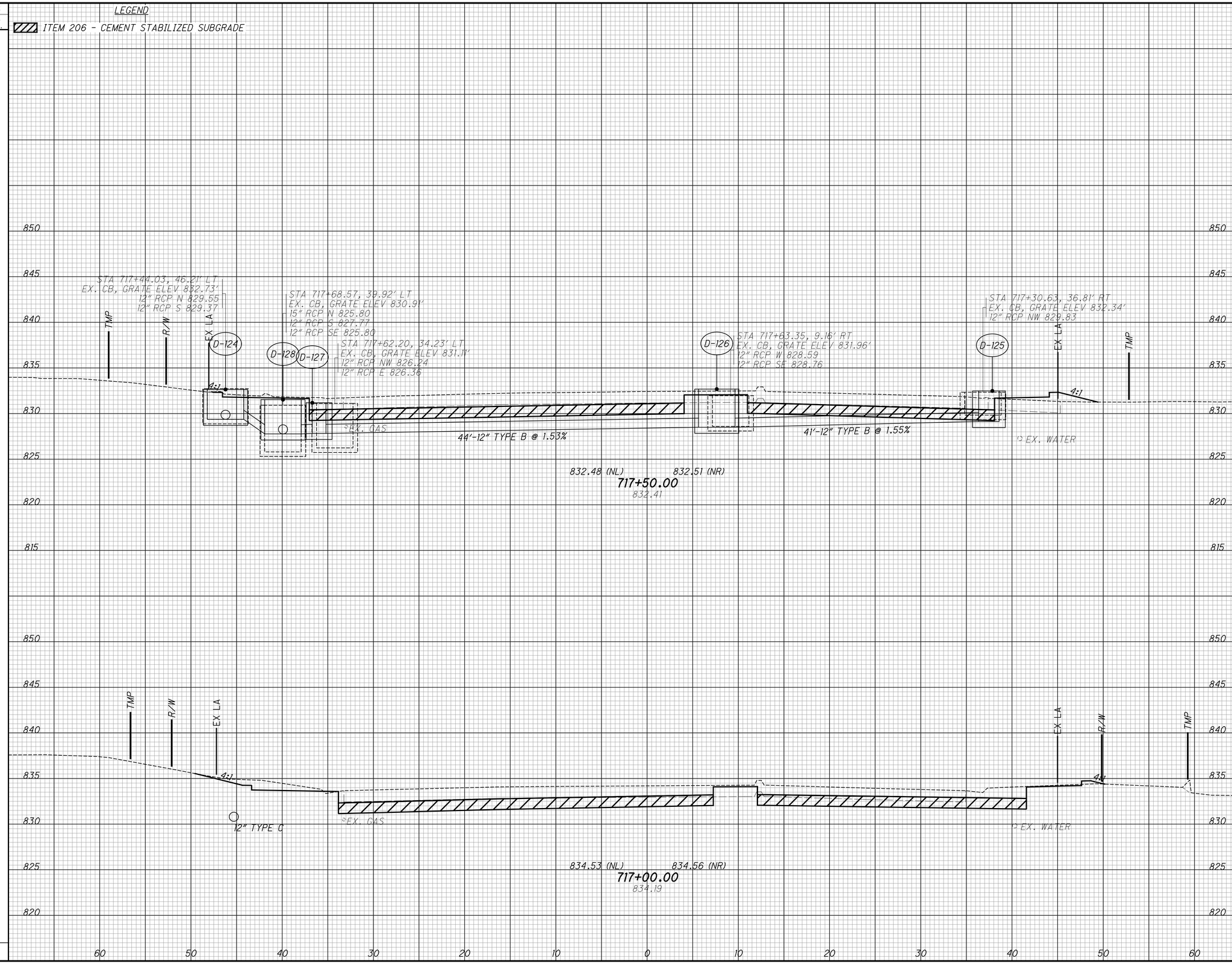
CROSS SECTIONS - PLAINFIELD RD
STA. 716+00.00 TO STA. 716+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

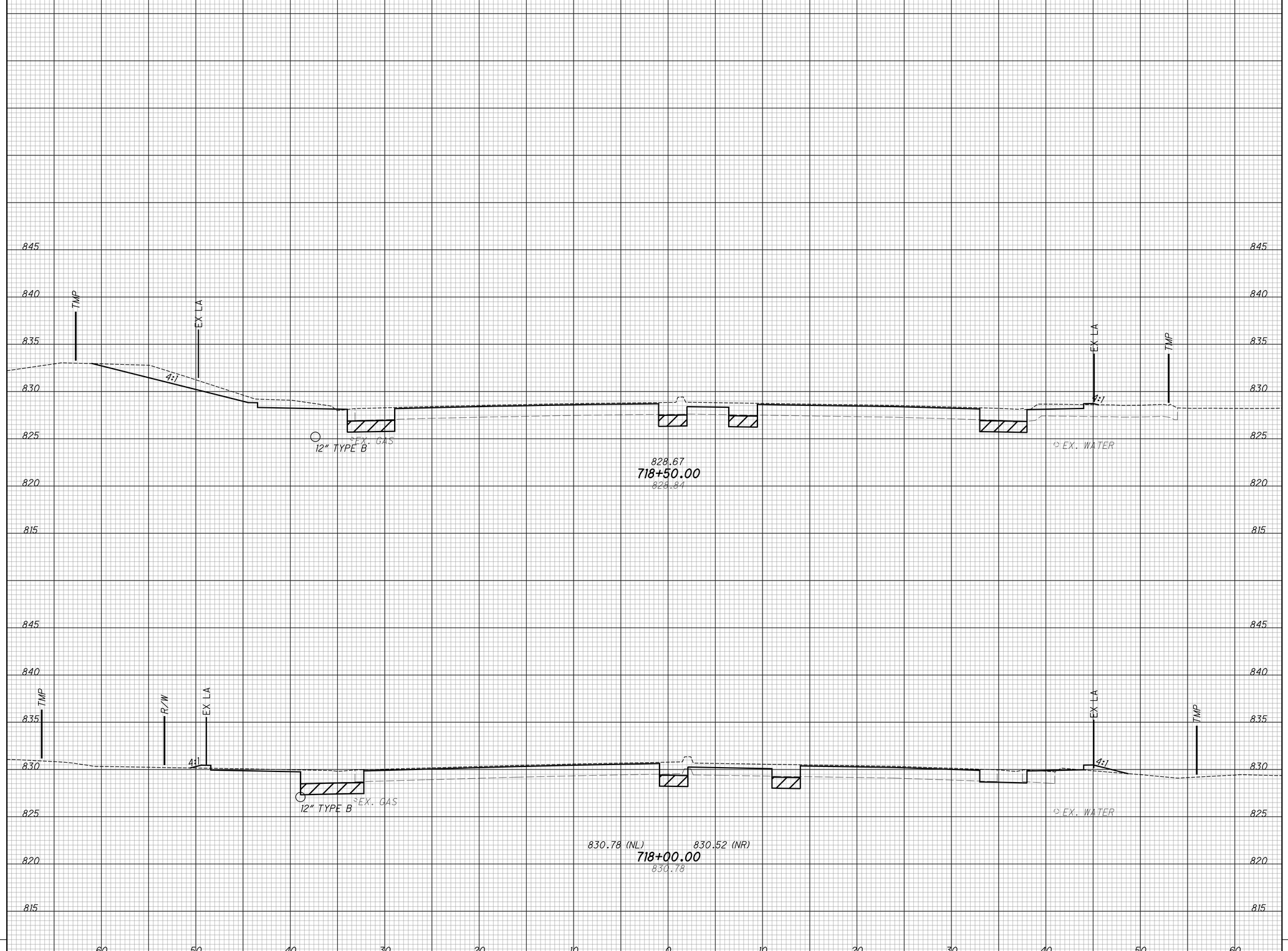
CROSS SECTIONS - PLAINFIELD RD
STA. 717+00.00 TO STA. 717+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

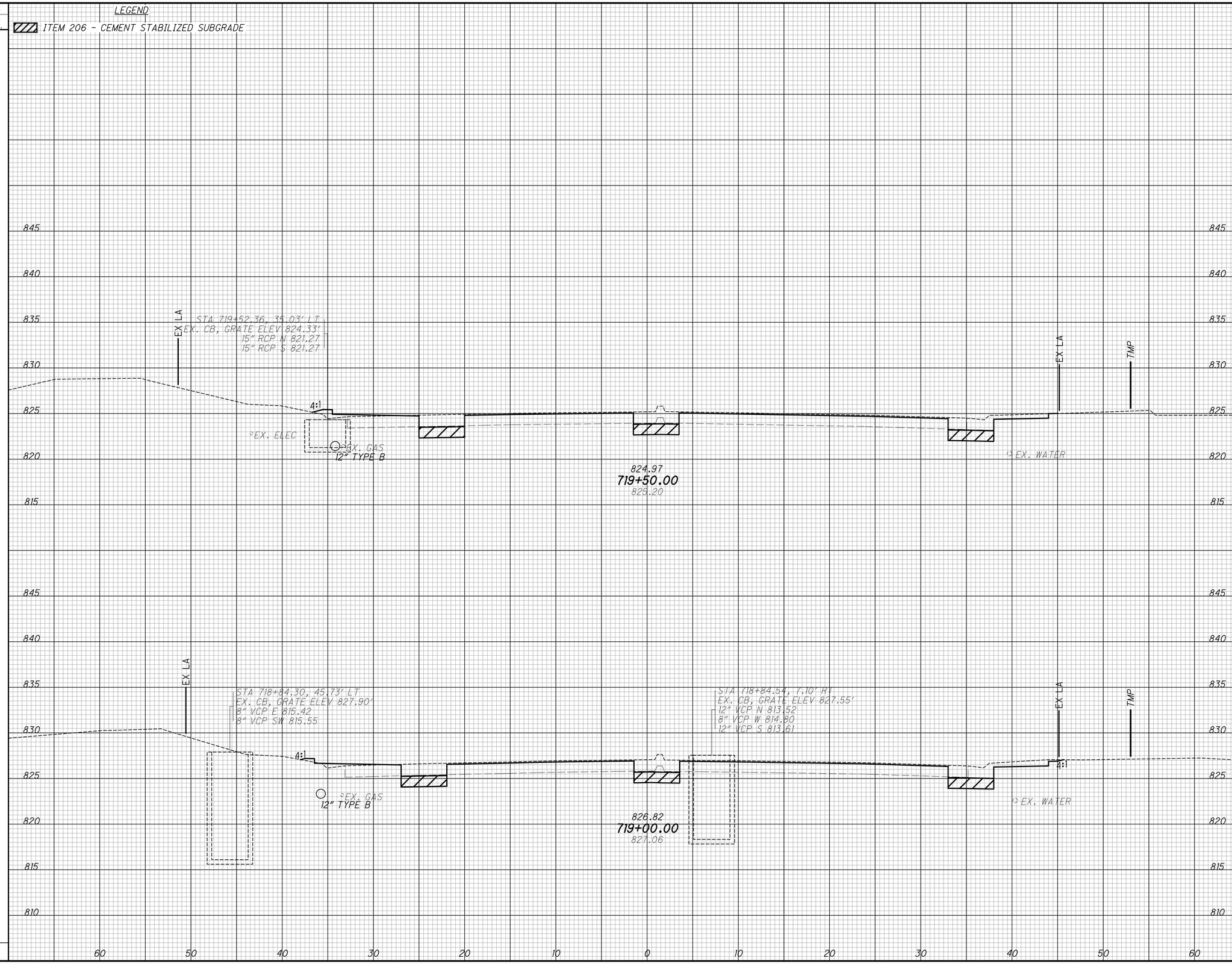
CROSS SECTIONS - PLAINFIELD RD
STA. 718+00.00 TO STA. 718+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

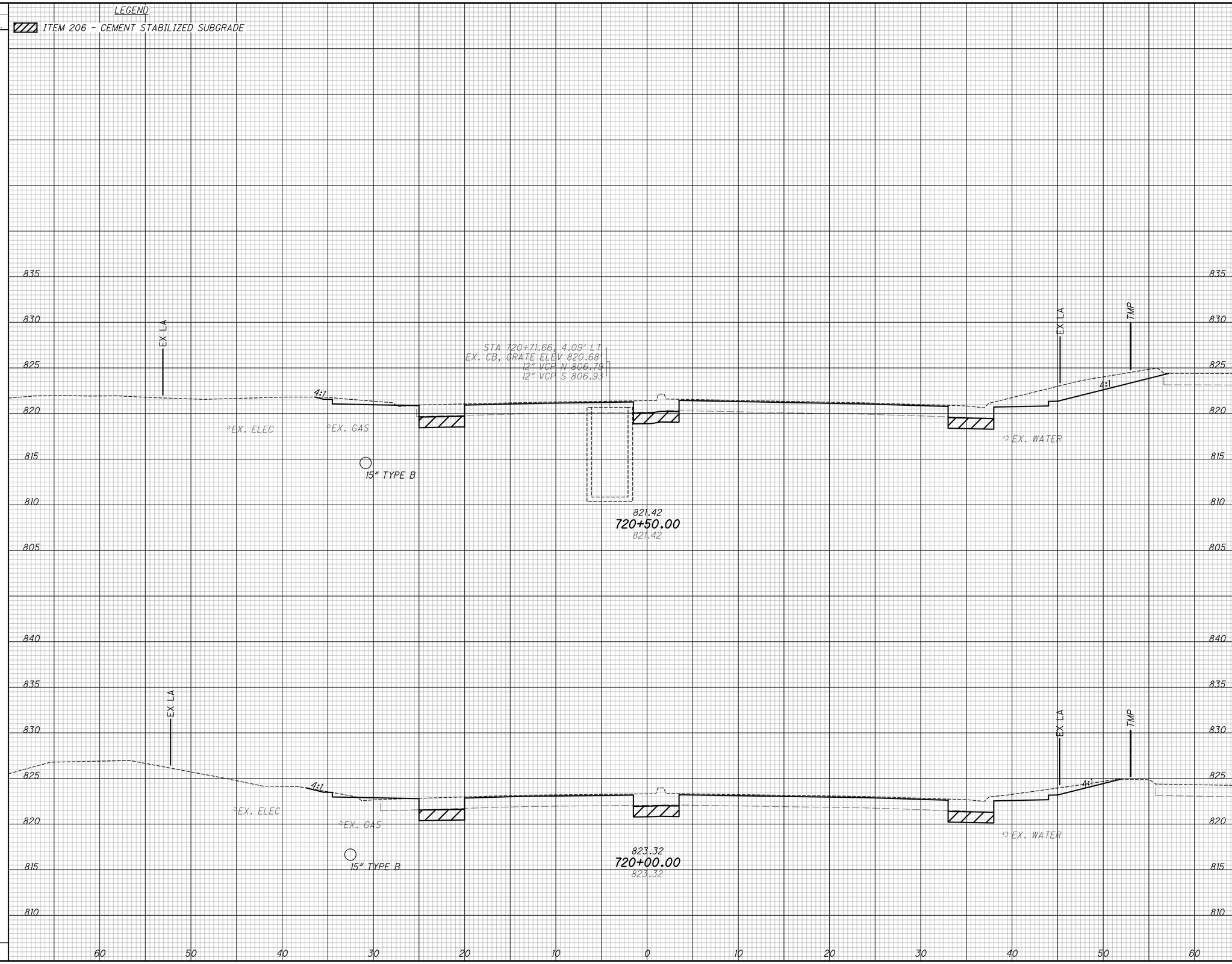
CROSS SECTIONS - PLAINFIELD RD
STA. 719+00.00 TO STA. 719+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

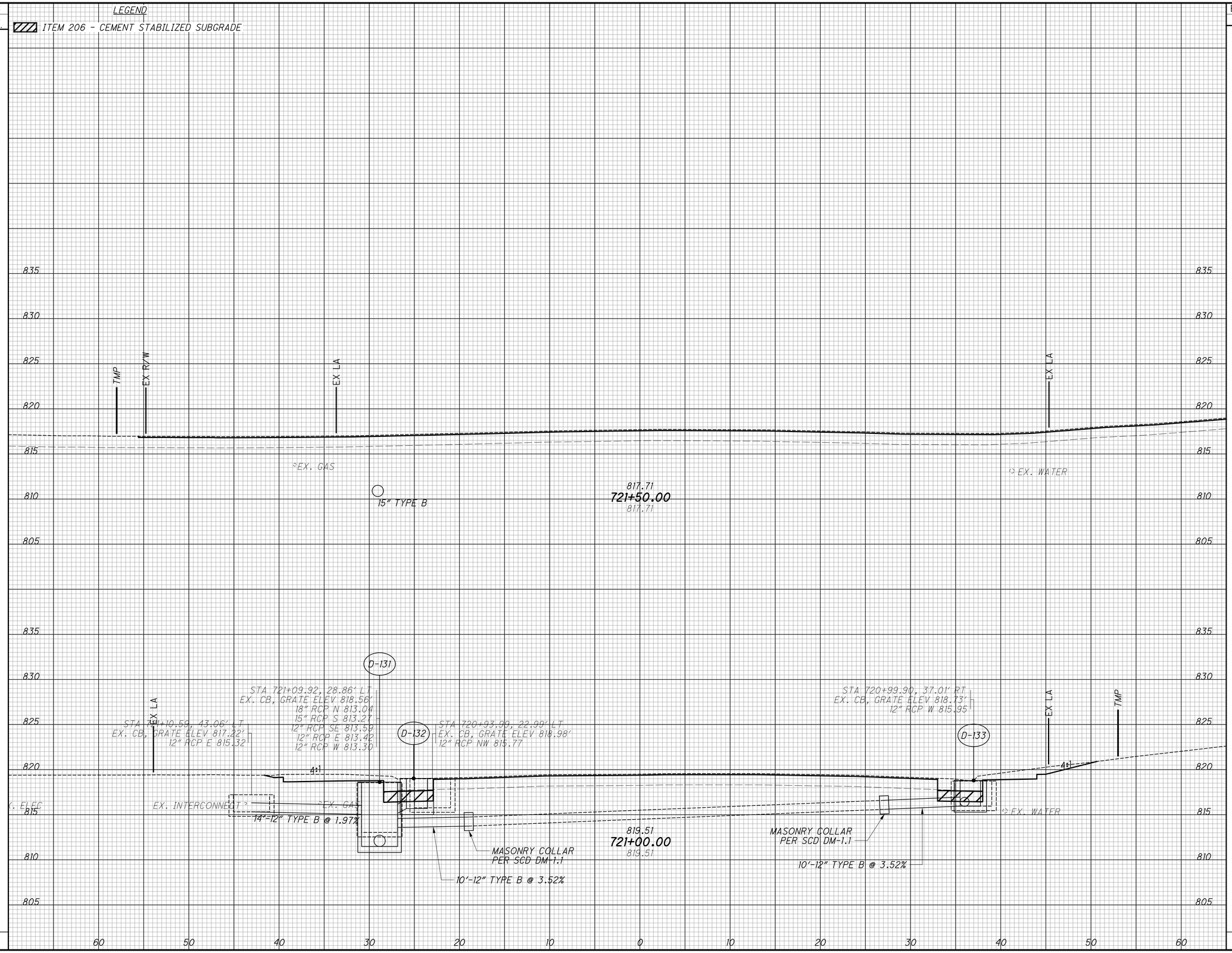
CROSS SECTIONS - PLAINFIELD RD
STA. 720+00.00 TO STA. 720+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

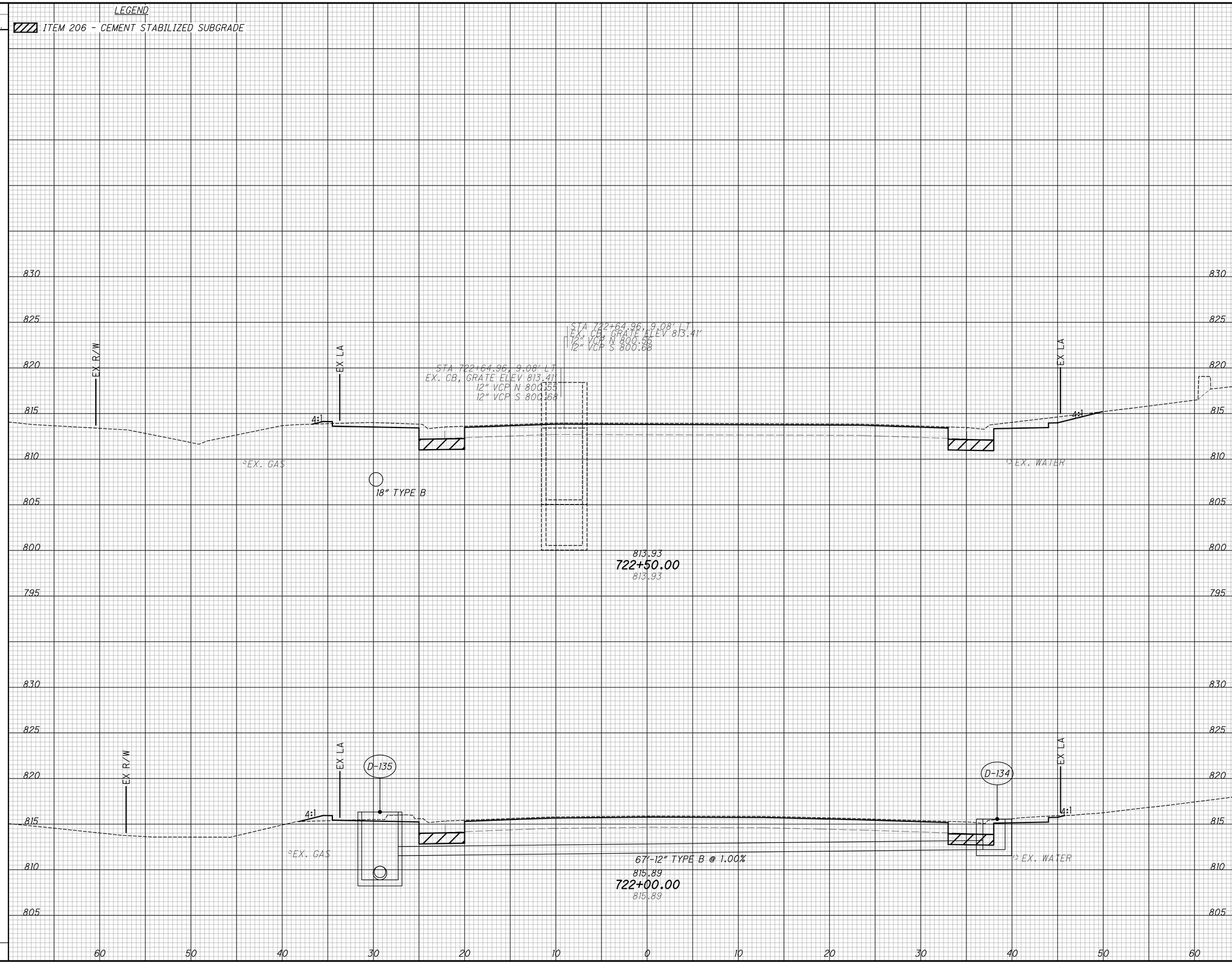
CROSS SECTIONS - PLAINFIELD RD
STA. 721+00.00 TO STA. 721+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

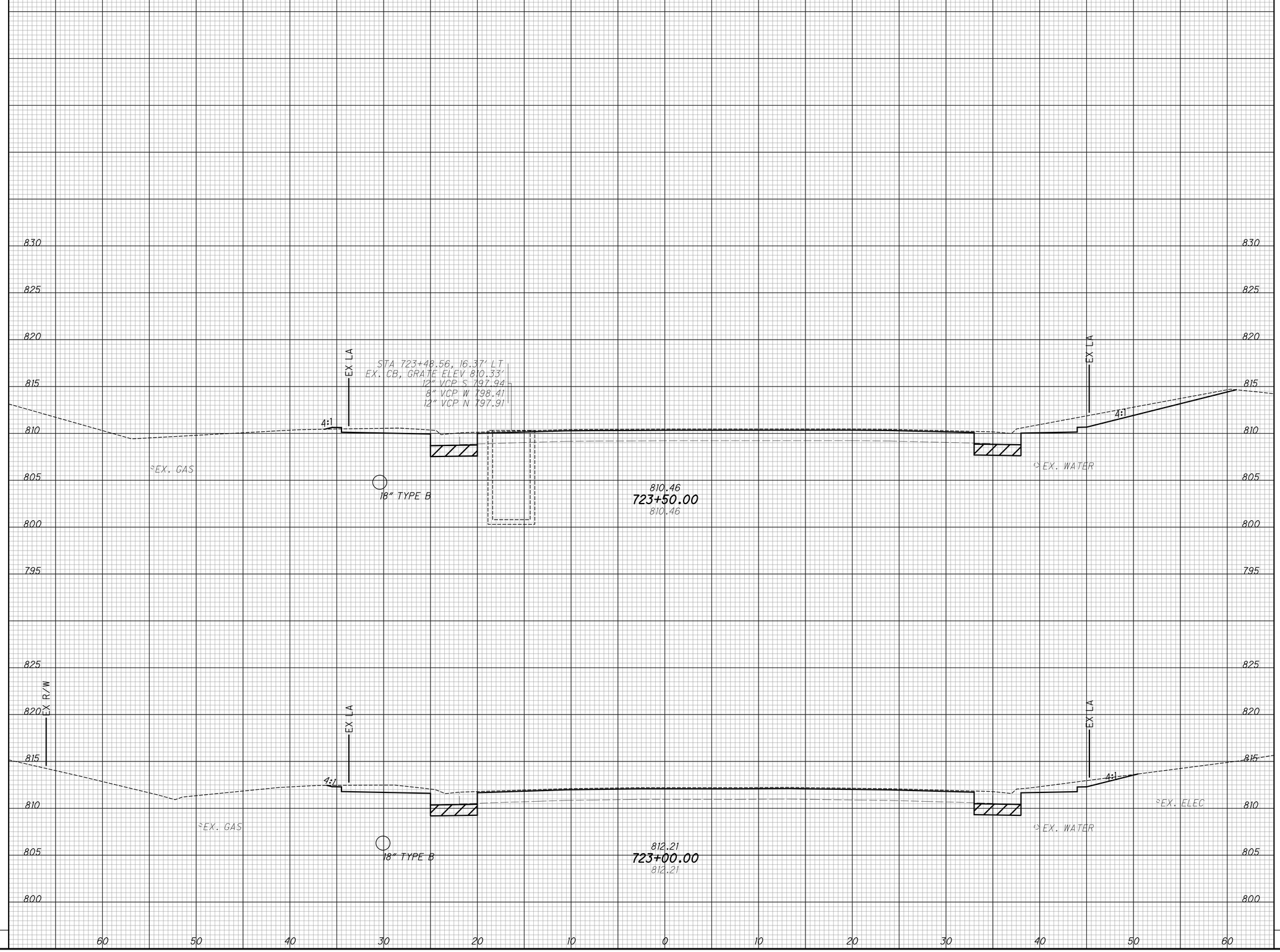
CROSS SECTIONS - PLAINFIELD RD
STA. 722+00.00 TO STA. 722+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

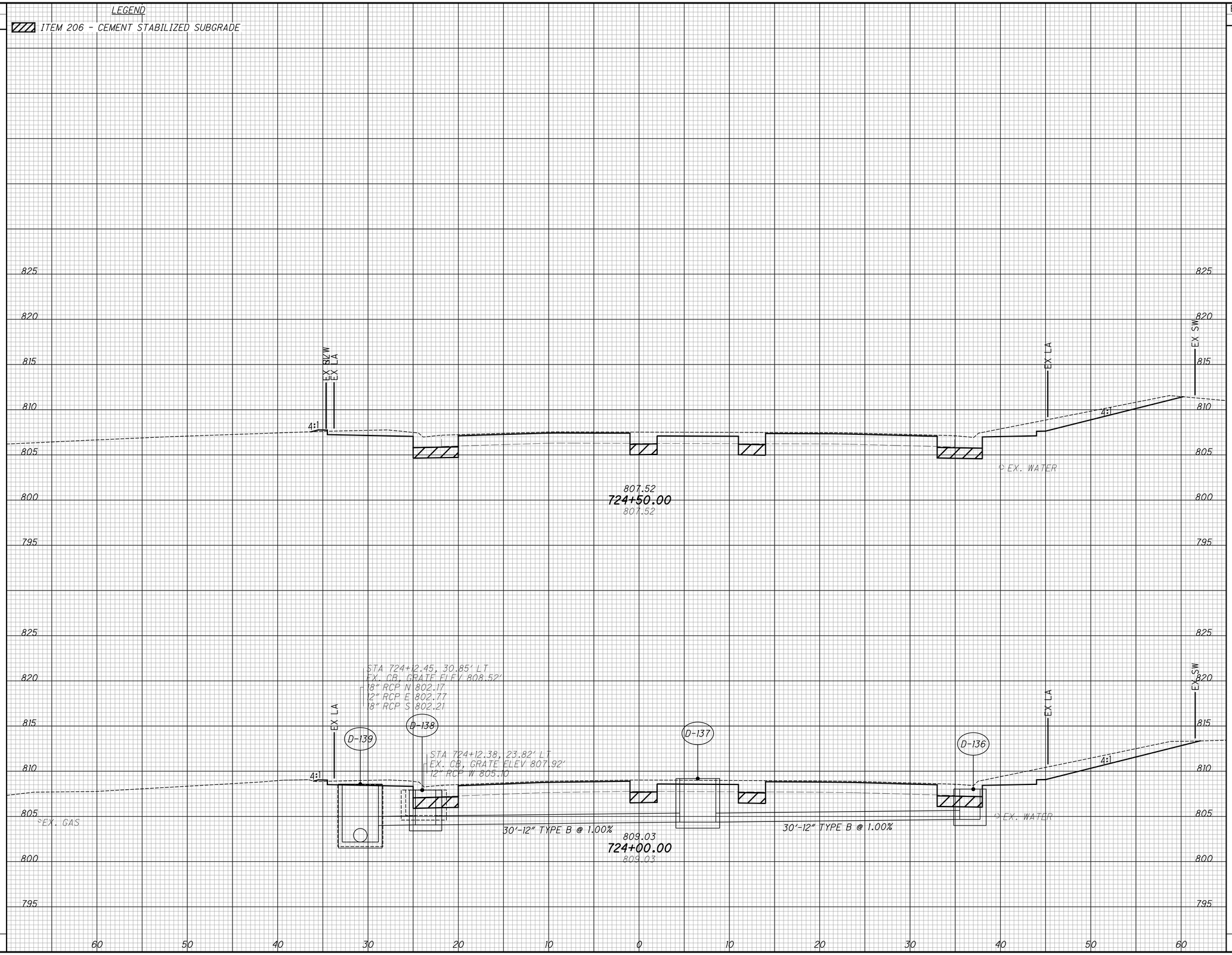
CROSS SECTIONS - PLAINFIELD RD
STA. 723+00.00 TO STA. 723+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

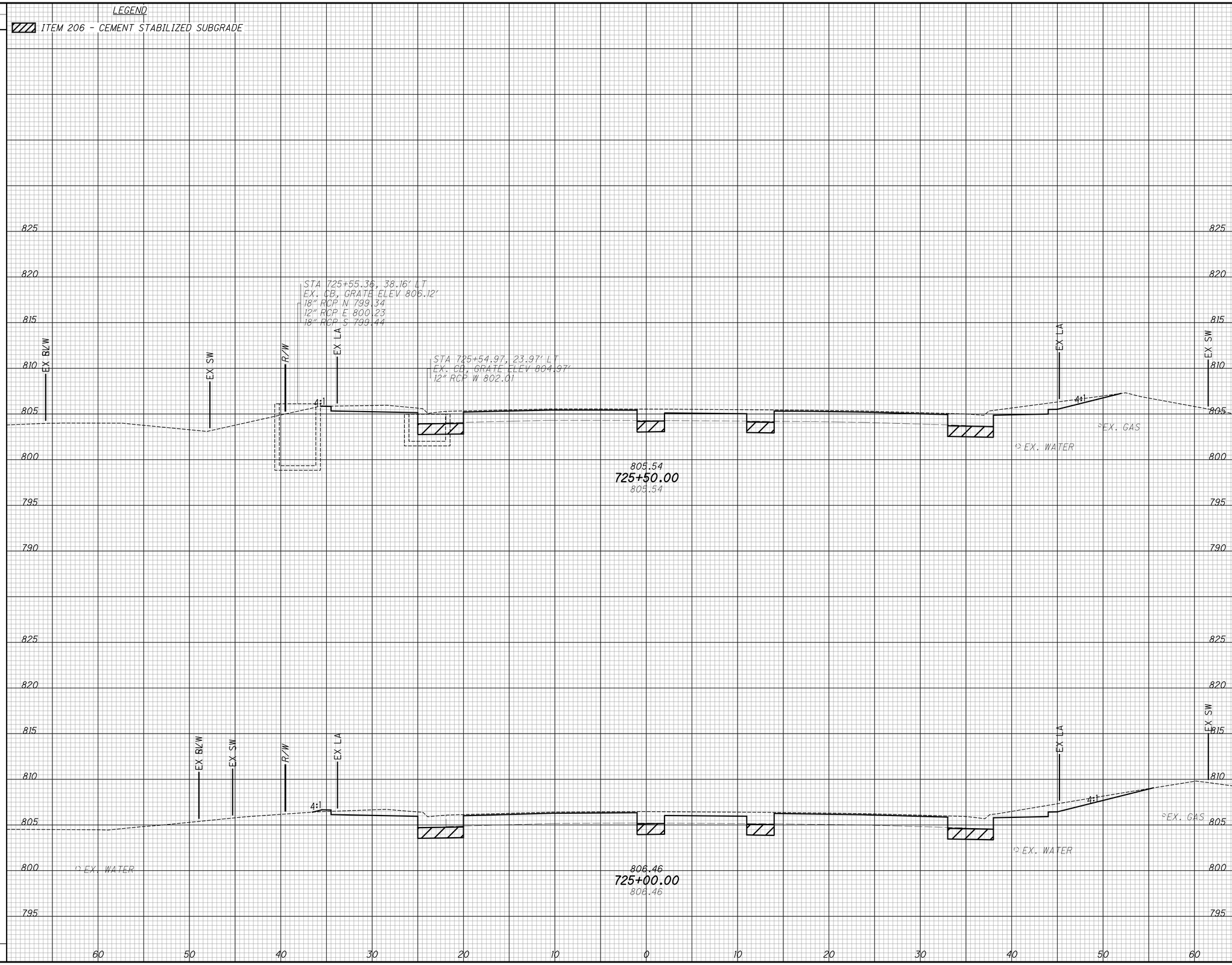
CROSS SECTIONS - PLAINFIELD RD
STA. 724+50.00 TO STA. 724+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

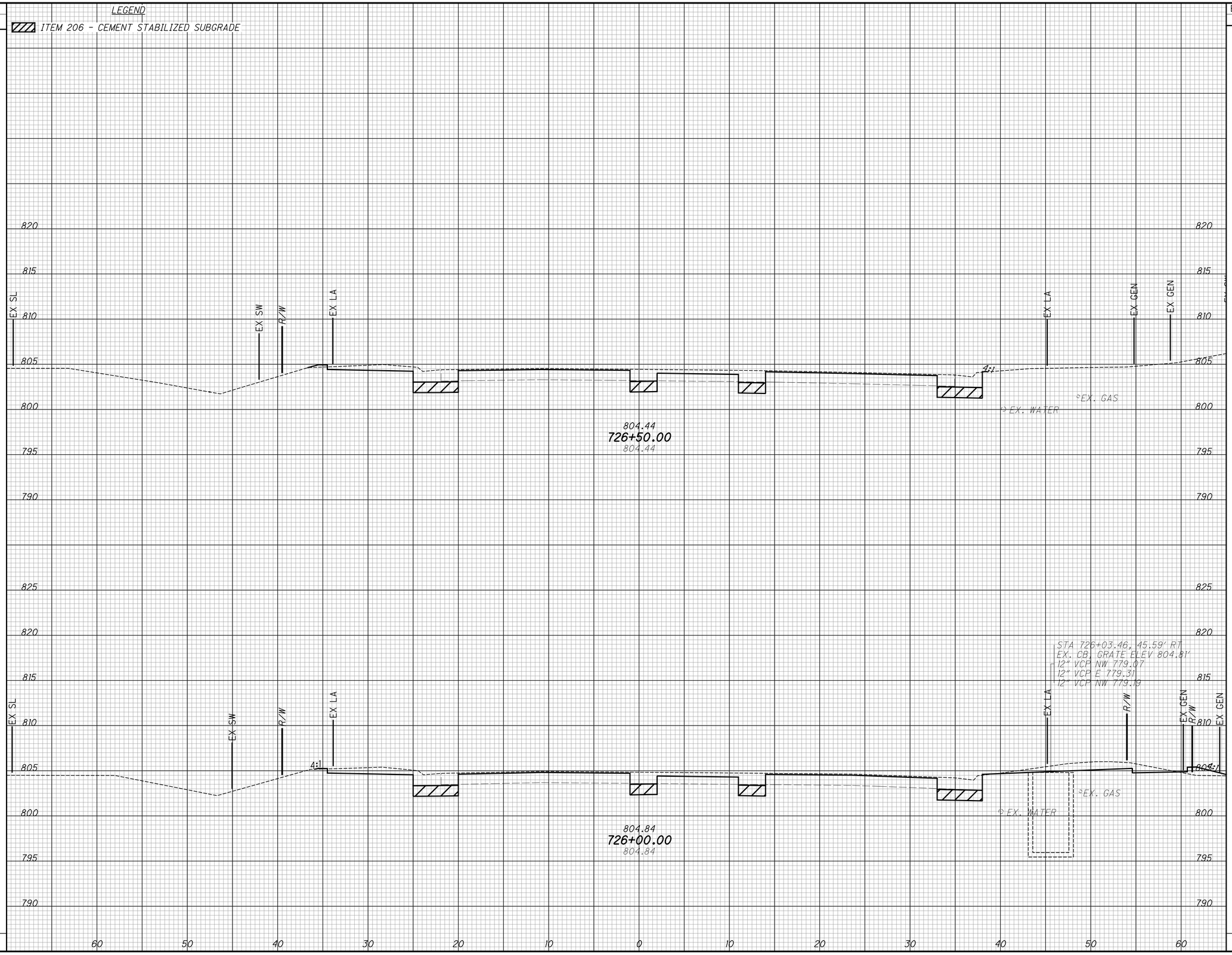
CROSS SECTIONS - PLAINFIELD RD
STA. 725+00.00 TO STA. 725+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

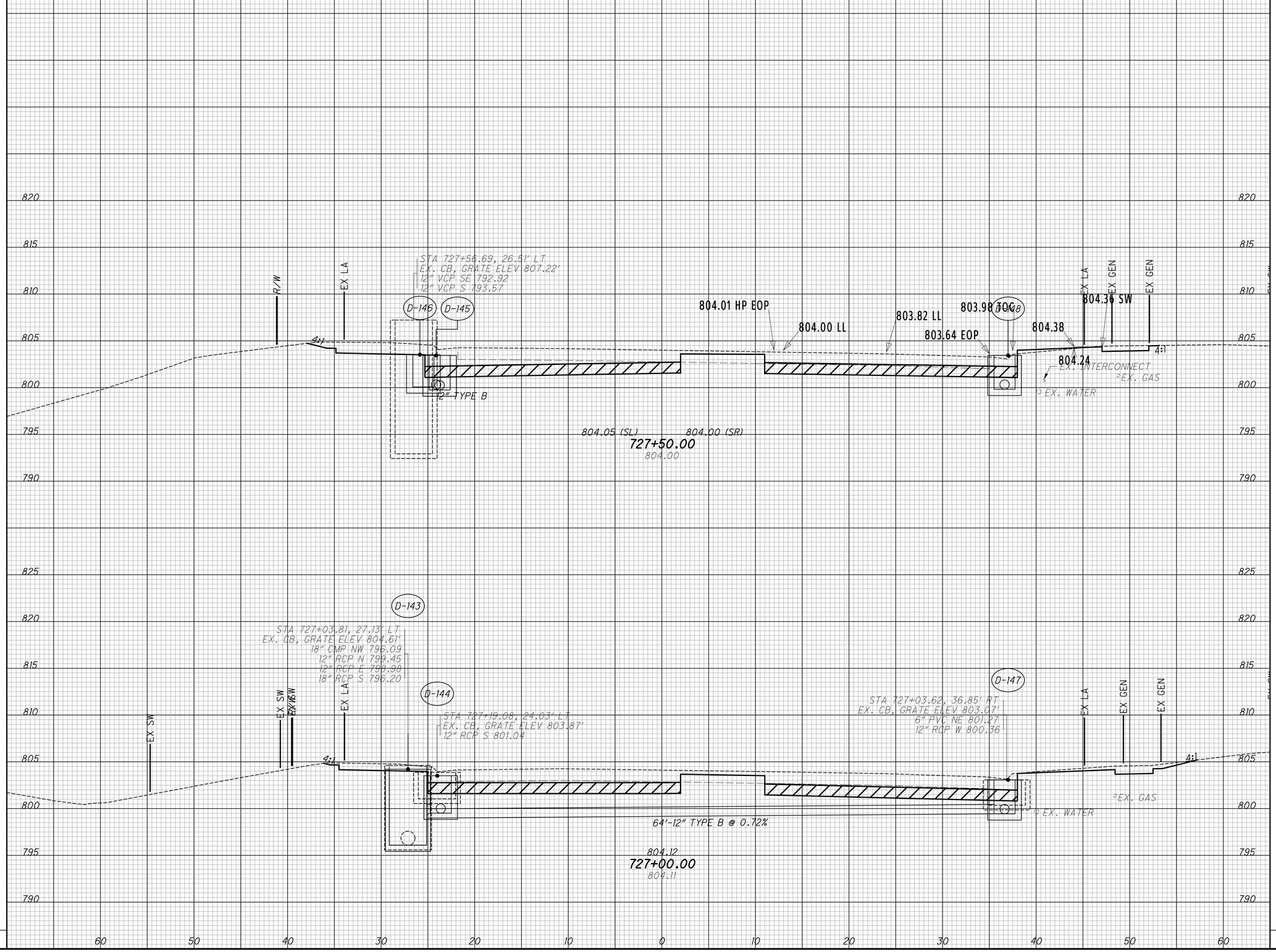
CROSS SECTIONS - PLAINFIELD RD
STA. 726+00.00 TO STA. 726+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

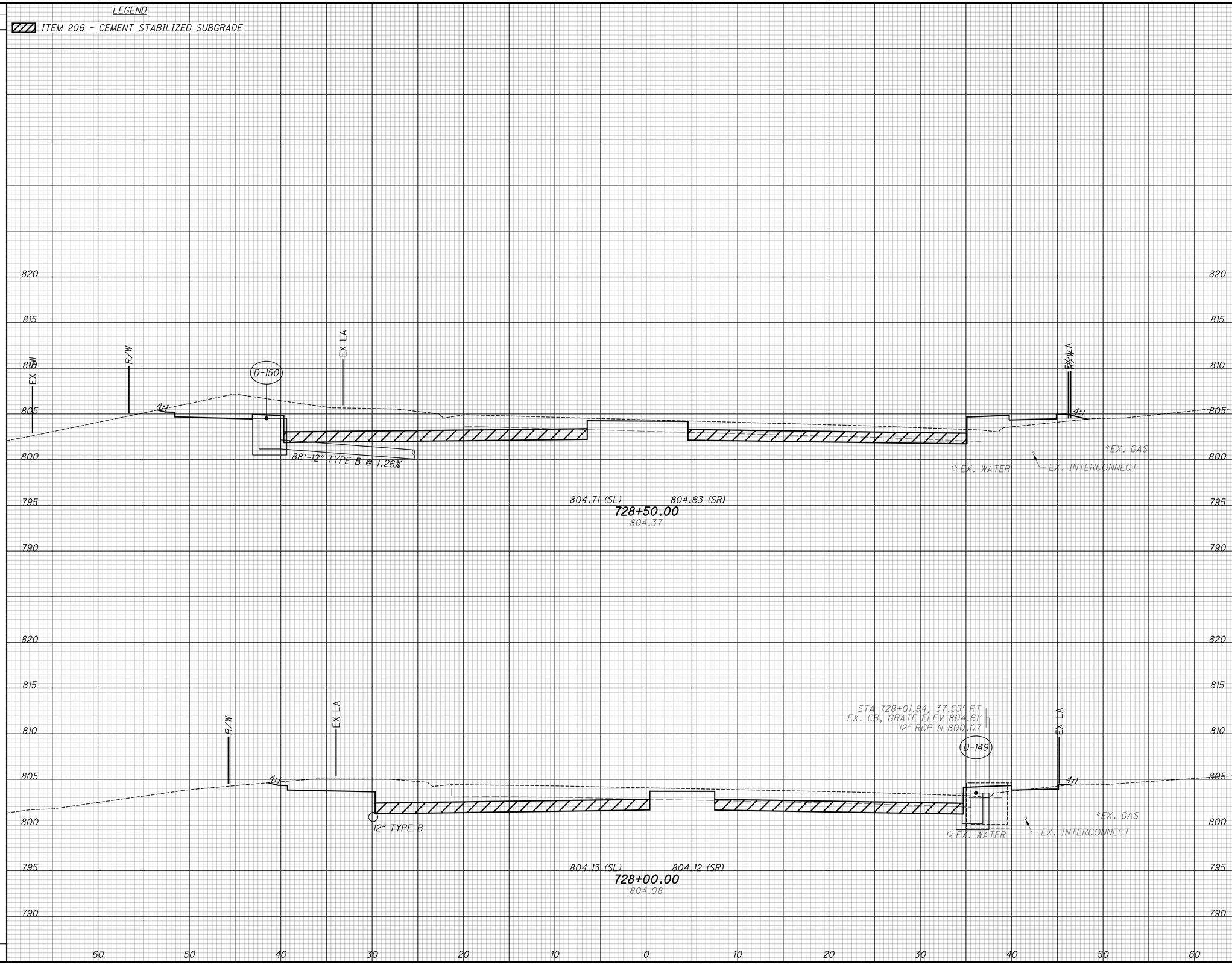
CROSS SECTIONS - PLAINFIELD RD
STA. 727+00.00 TO STA. 727+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

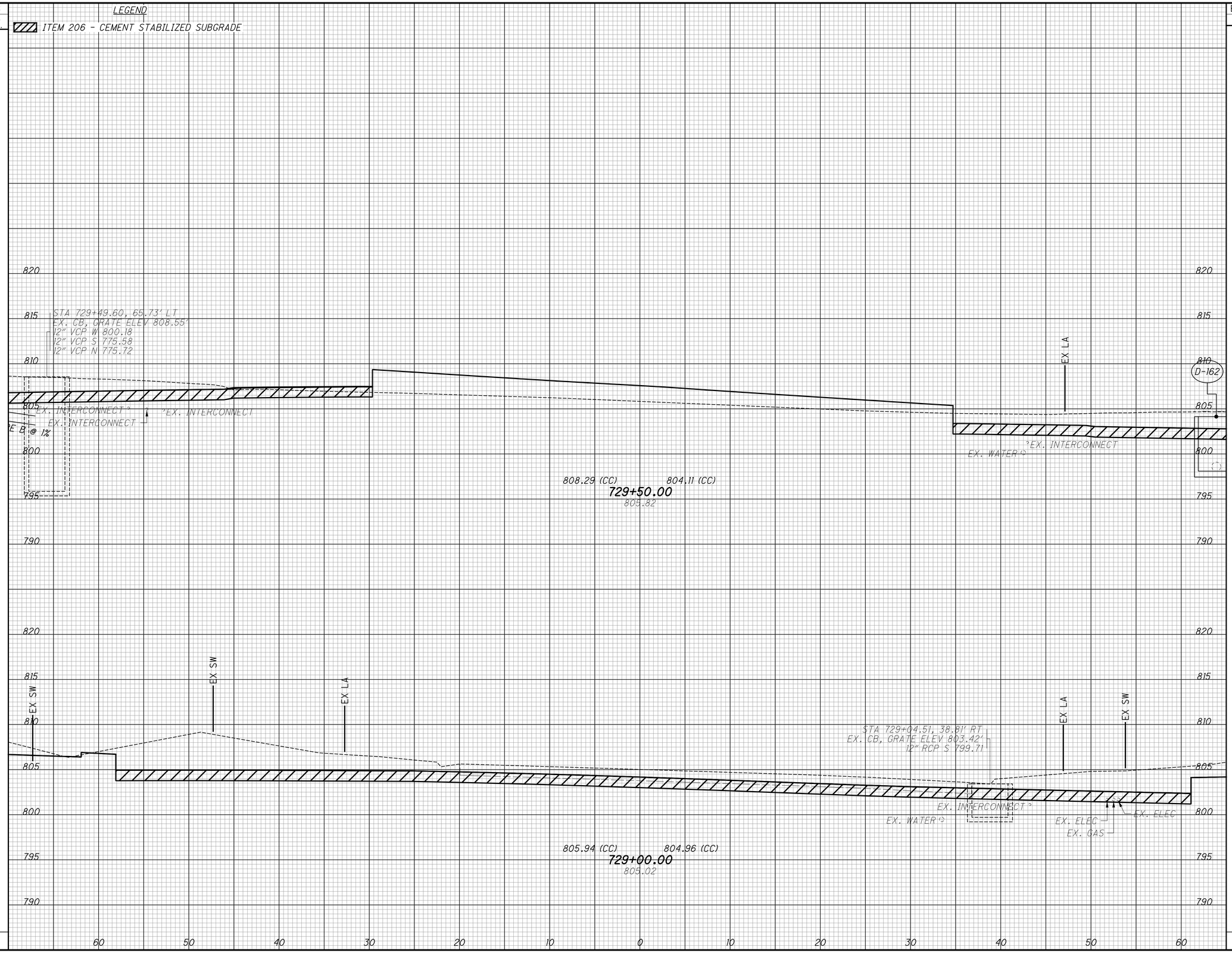
CROSS SECTIONS - PLAINFIELD RD
STA. 728+00.00 TO STA. 728+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

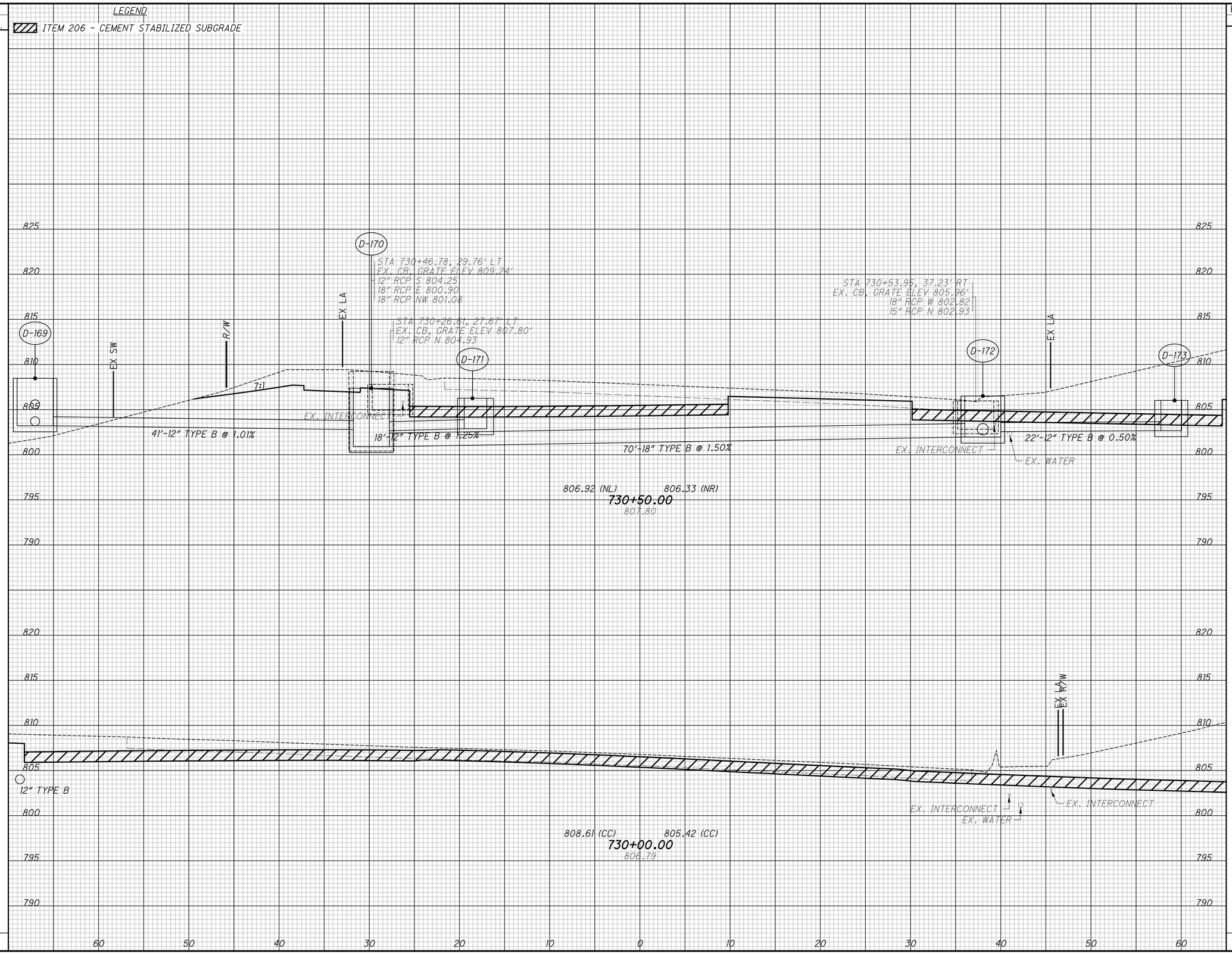
CROSS SECTIONS - PLAINFIELD RD
STA. 729+00.00 TO STA. 729+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS



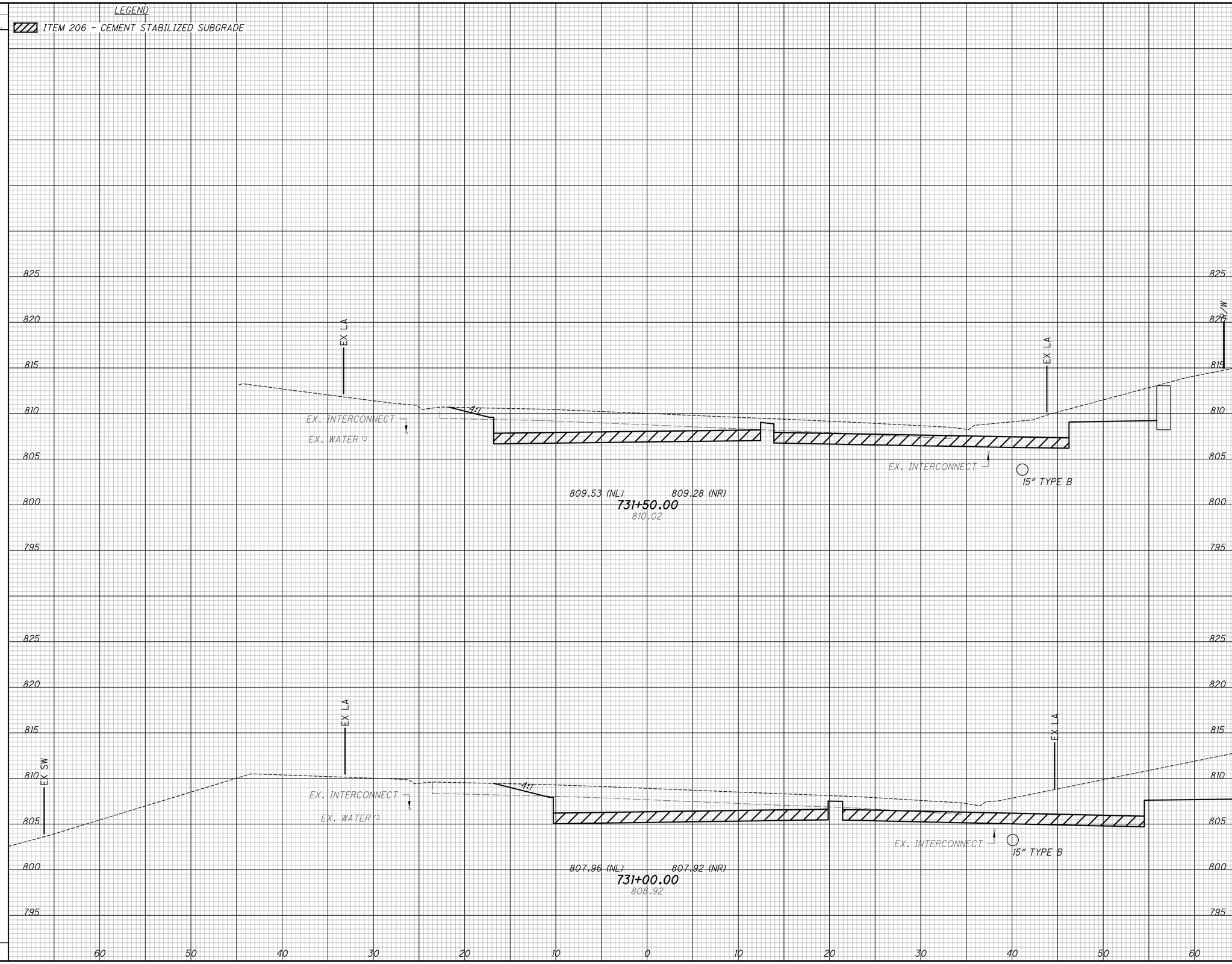
CROSS SECTIONS - PLAINFIELD RD/REED HARTMAN HWY
STA. 730+00.00 TO STA. 730+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

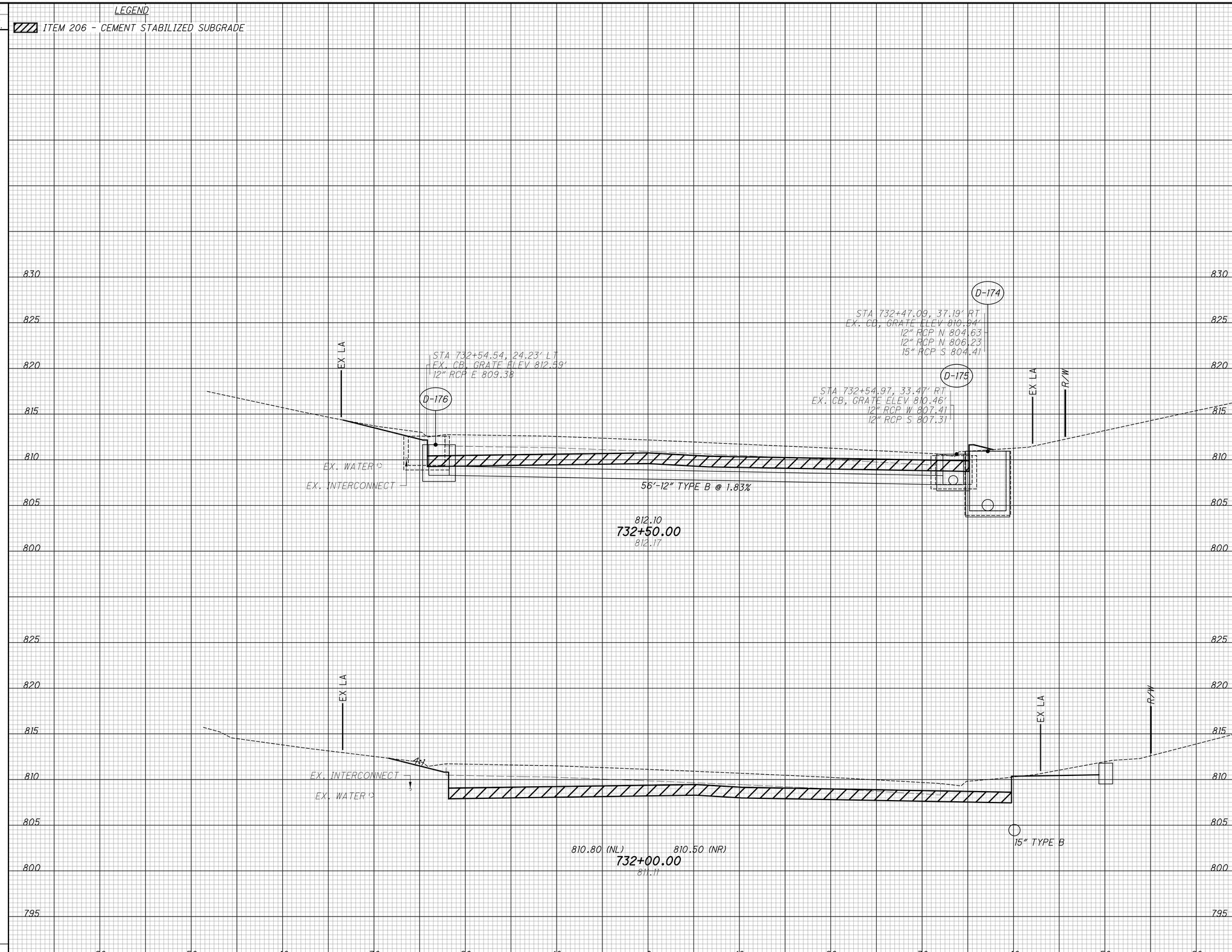
CROSS SECTIONS - REED HARTMAN HWY
STA. 731+00.00 TO STA. 731+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

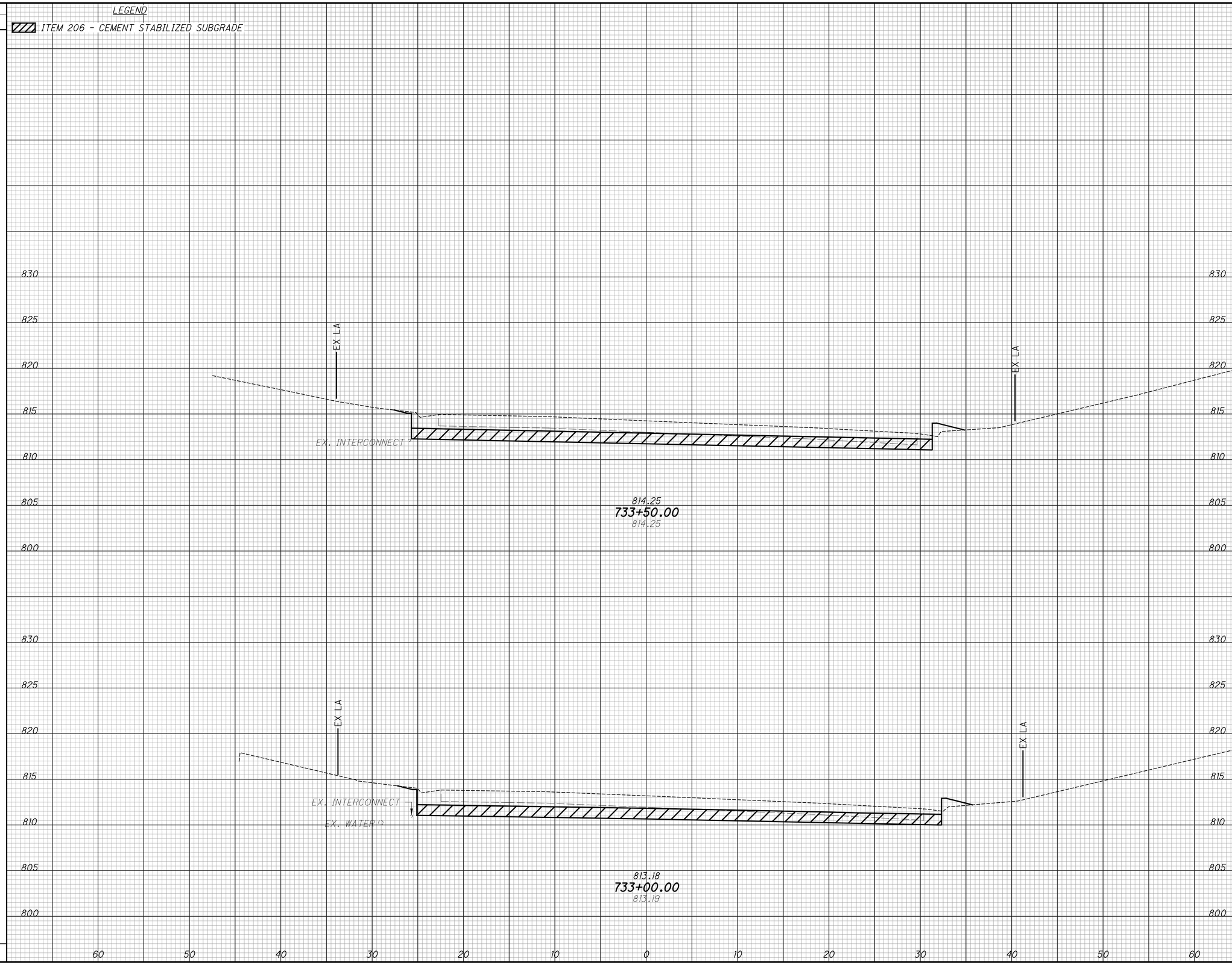
CROSS SECTIONS - REED HARTMAN HWY
STA. 732+00.00 TO STA. 732+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

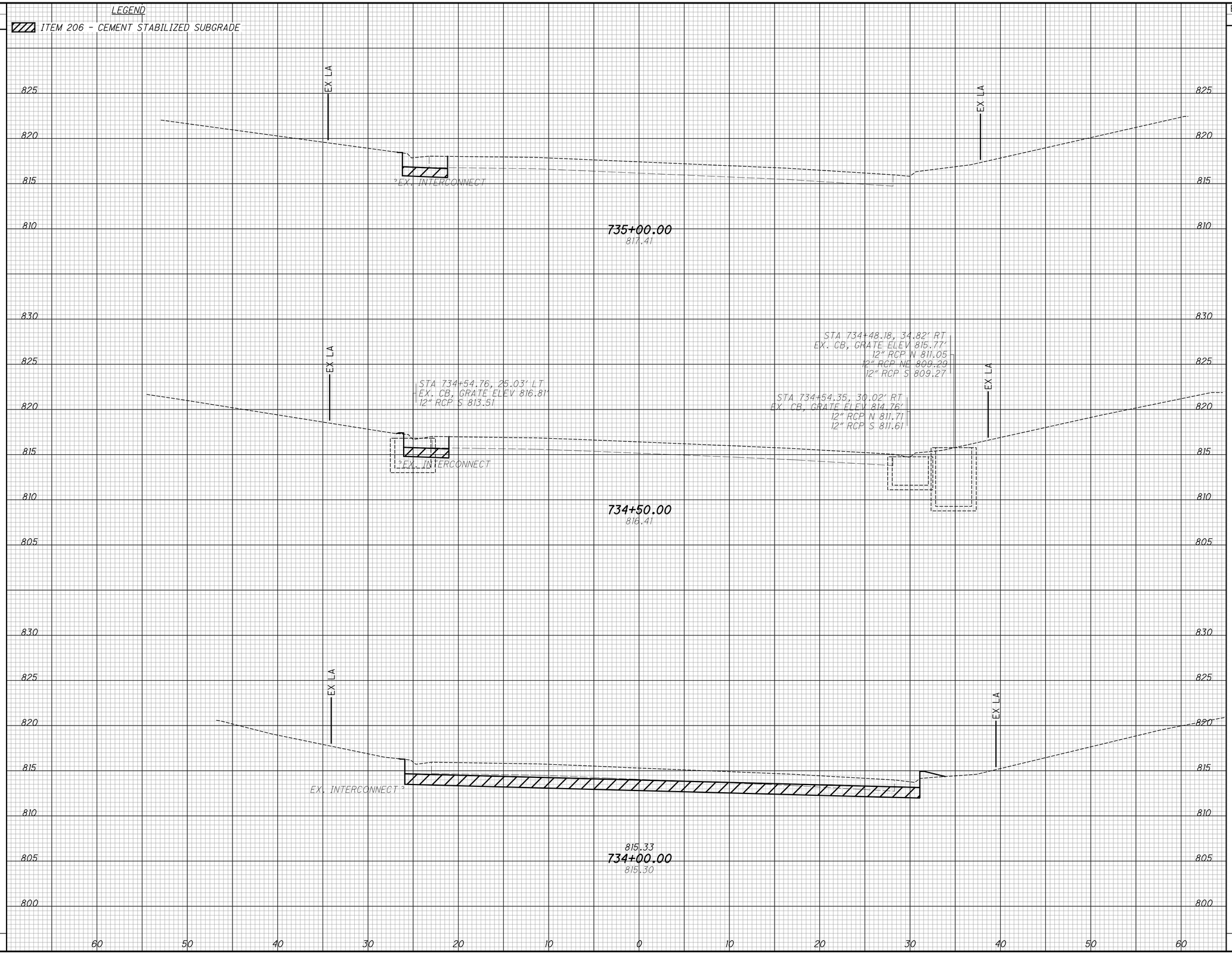
CROSS SECTIONS - REED HARTMAN HWY
STA. 733+00.00 TO STA. 733+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

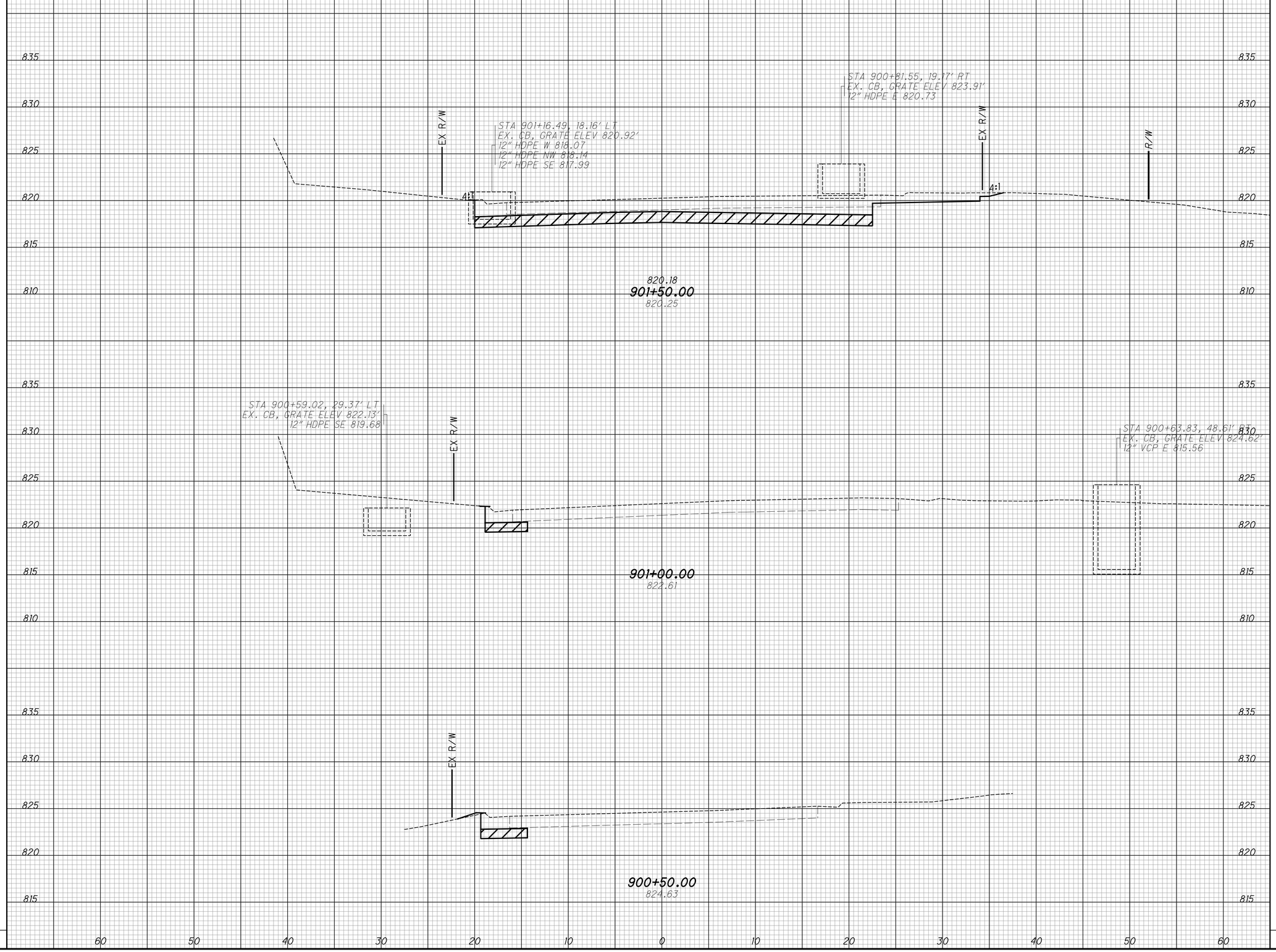
CROSS SECTIONS - REED HARTMAN HWY
STA. 734+00.00 TO STA. 735+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

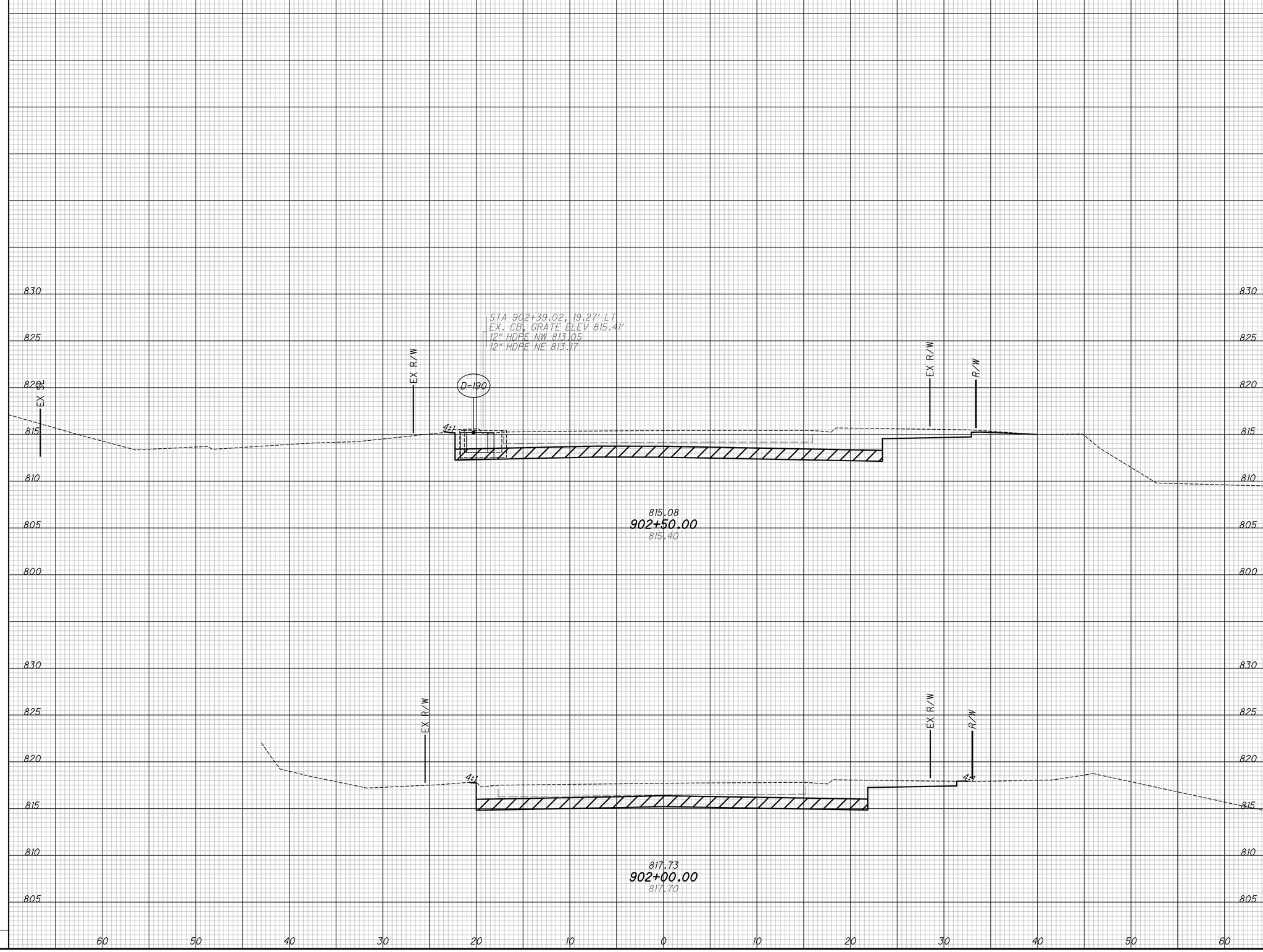
CROSS SECTIONS - PLAINFIELD RD
STA. 900+00.00 TO STA. 901+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

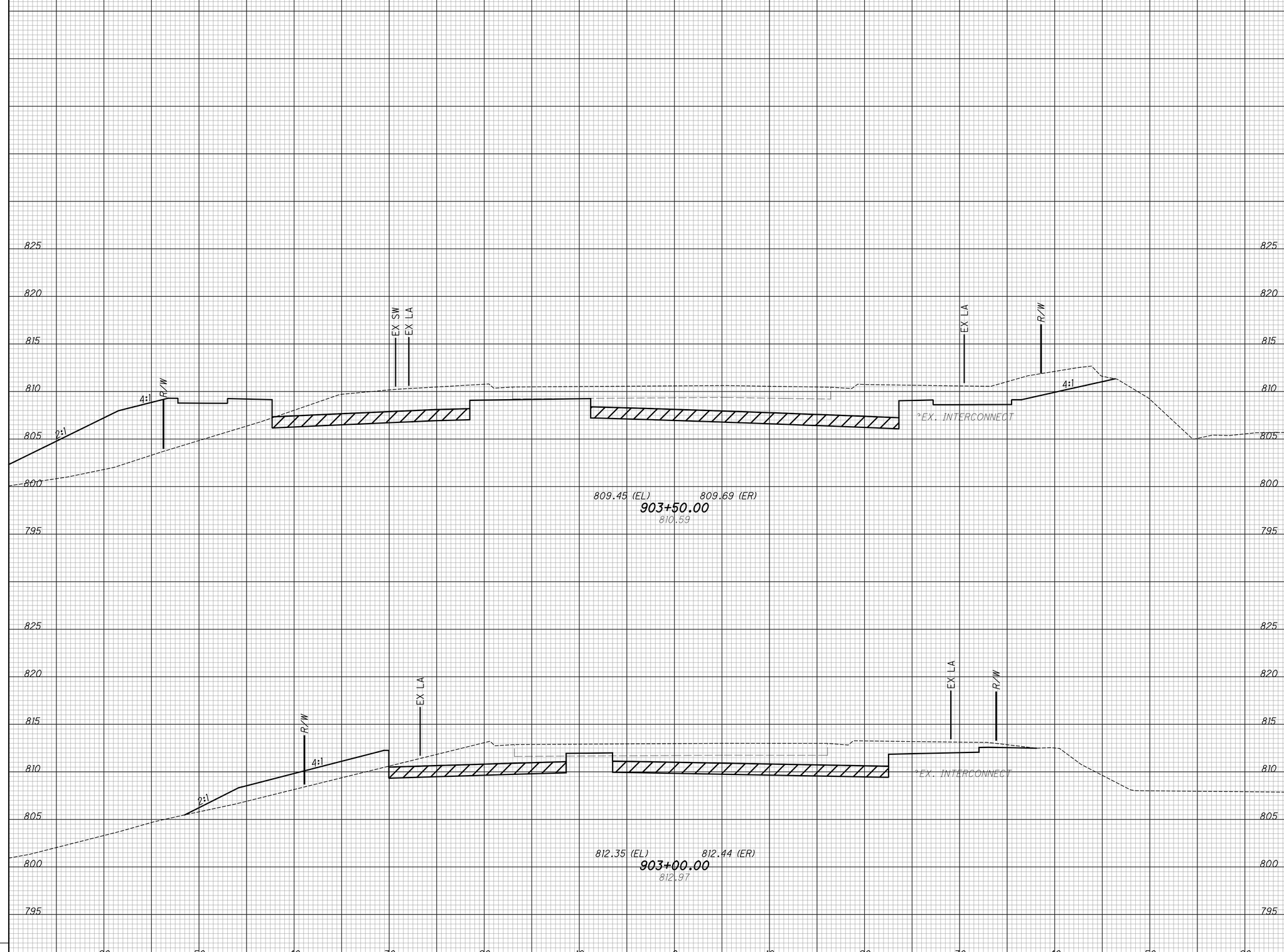
CROSS SECTIONS - PLAINFIELD RD
STA. 902+00.00 TO STA. 902+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

CROSS SECTIONS - PLAINFIELD RD

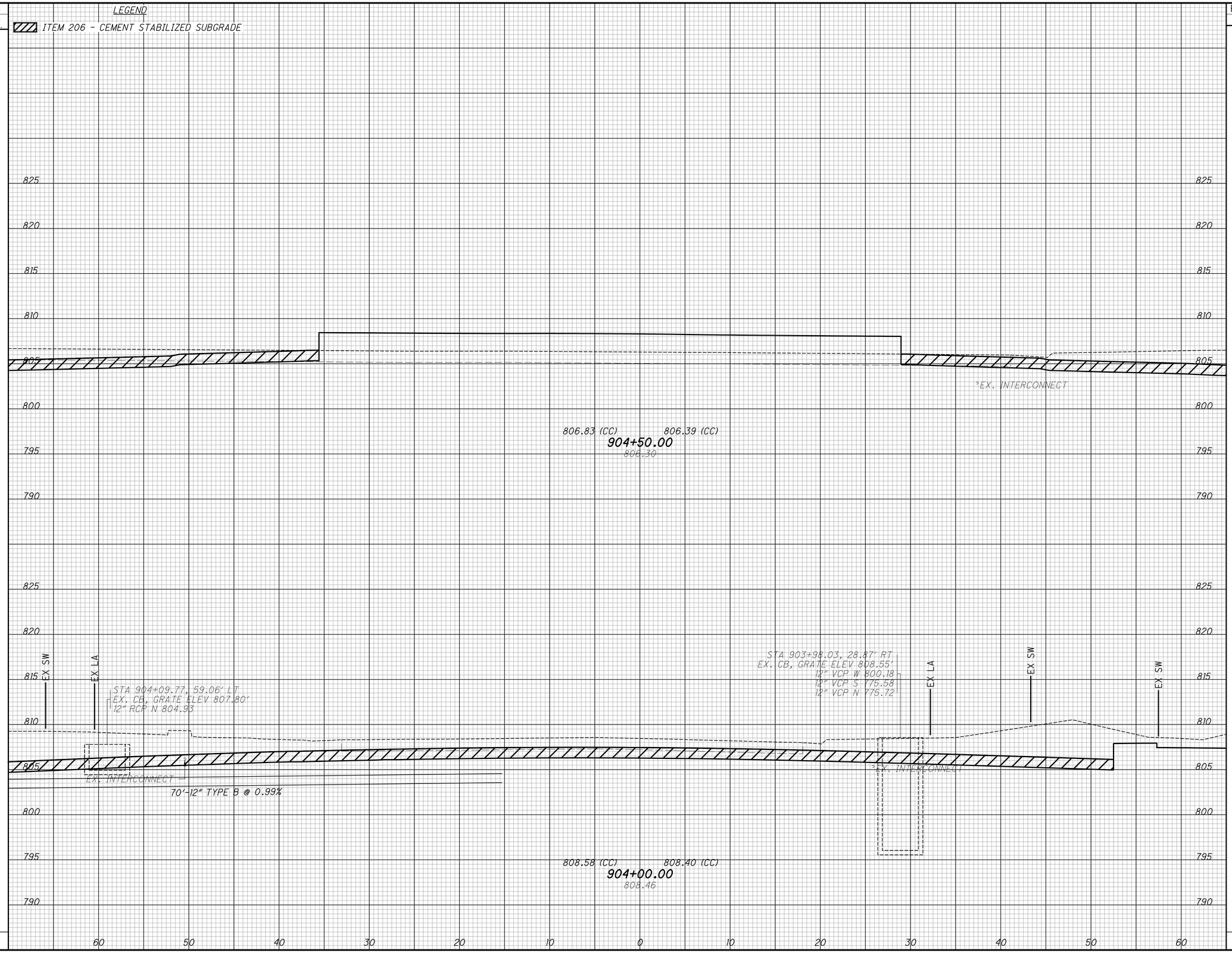
STA. 903+00.00 TO STA. 903+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED	CHECKED
LZS	JS

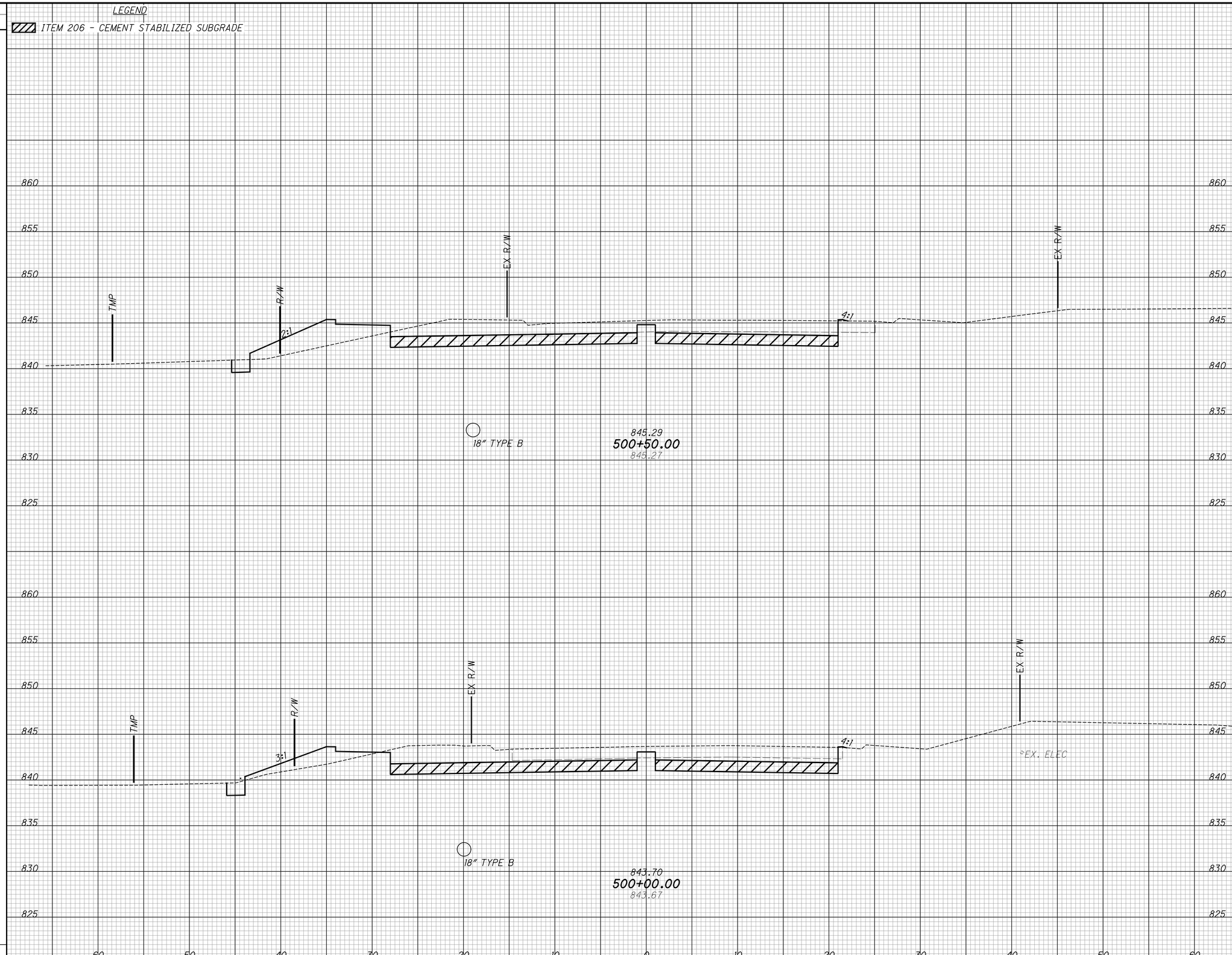
CROSS SECTIONS - PLAINFIELD RD
STA. 904+00.00 TO STA. 904+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

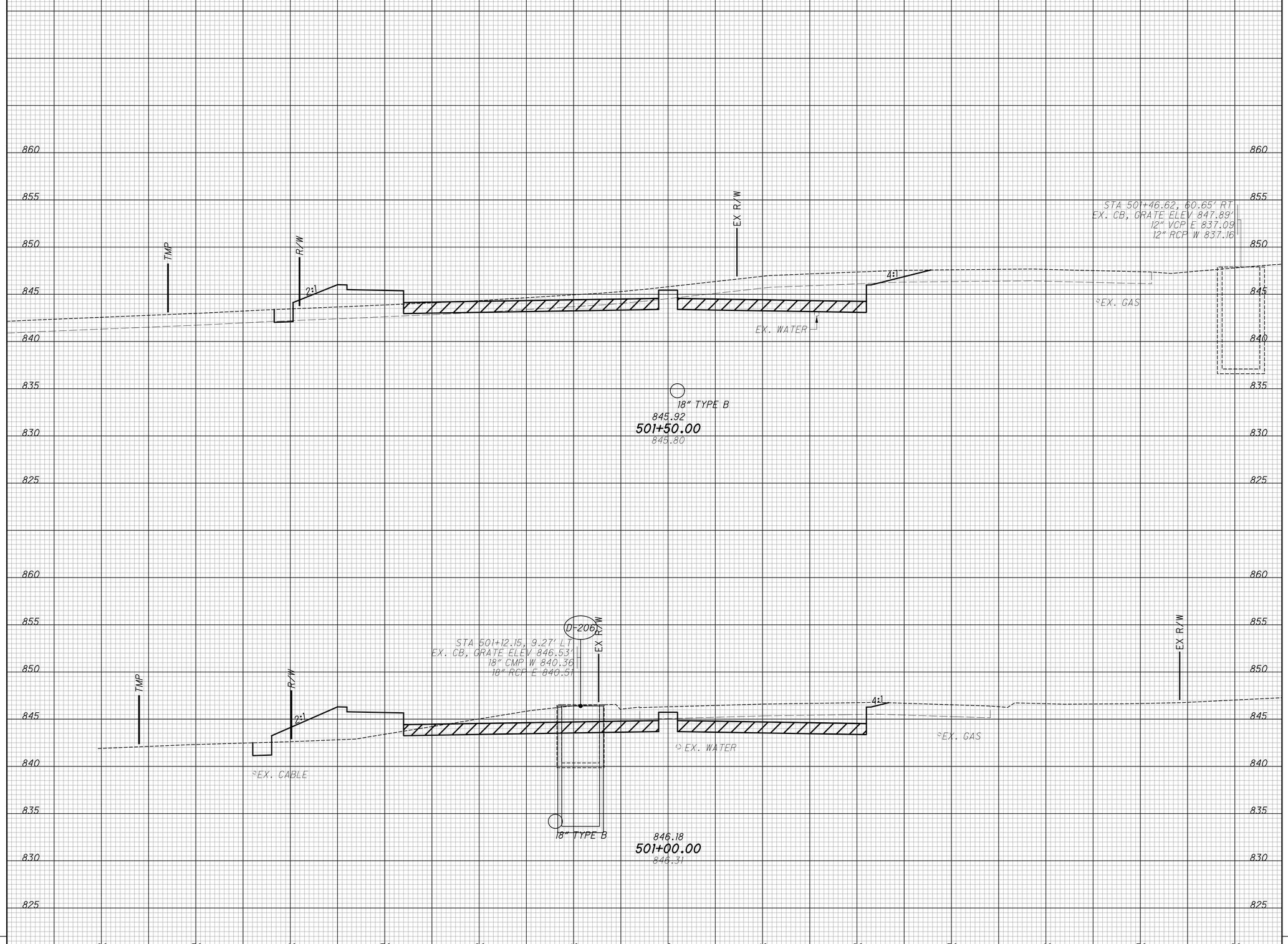
CROSS SECTIONS - PROPOSED HUNT RD
STA. 500+00.00 TO STA. 500+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

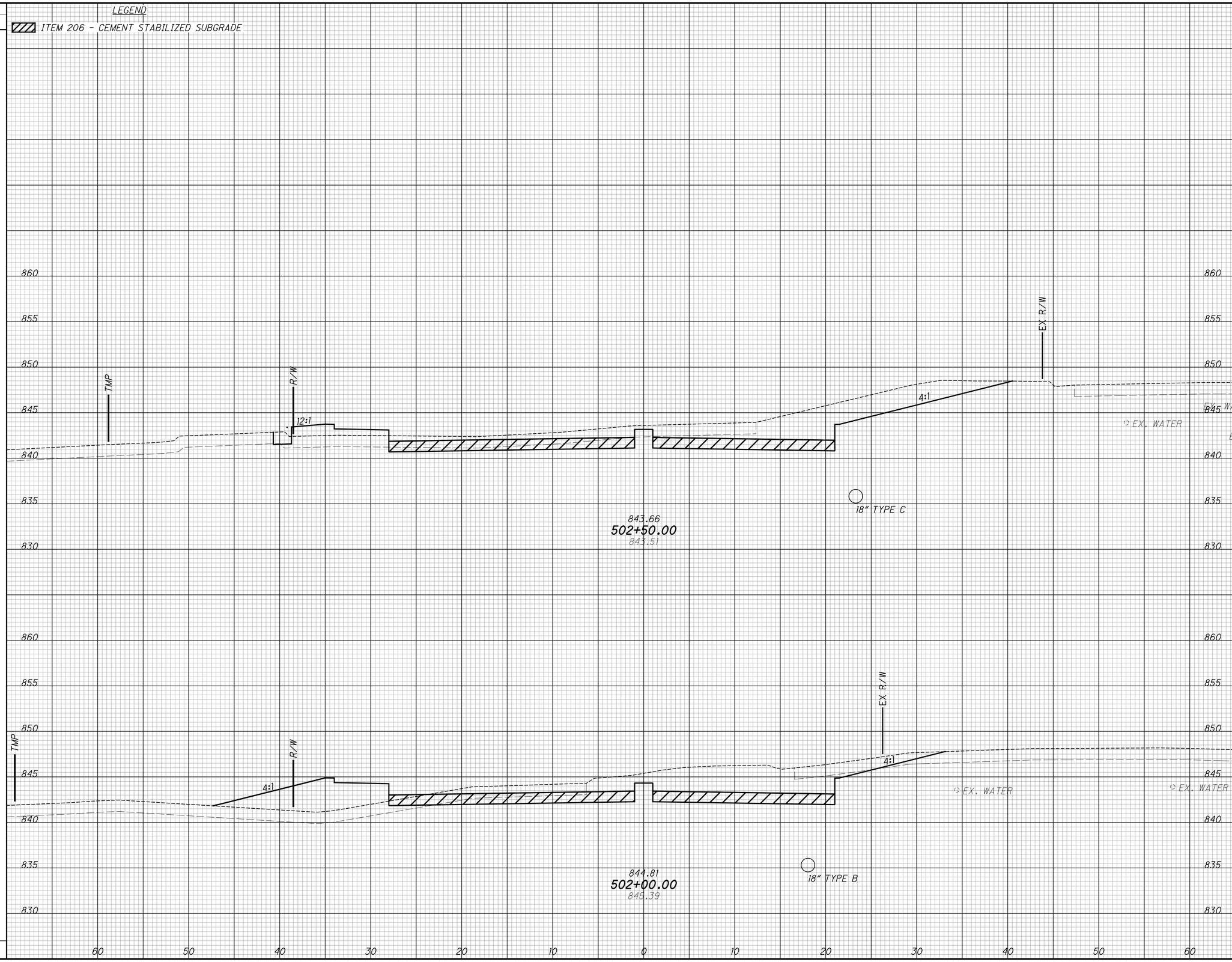
CROSS SECTIONS - PROPOSED HUNT RD
STA. 501+00.00 TO STA. 501+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

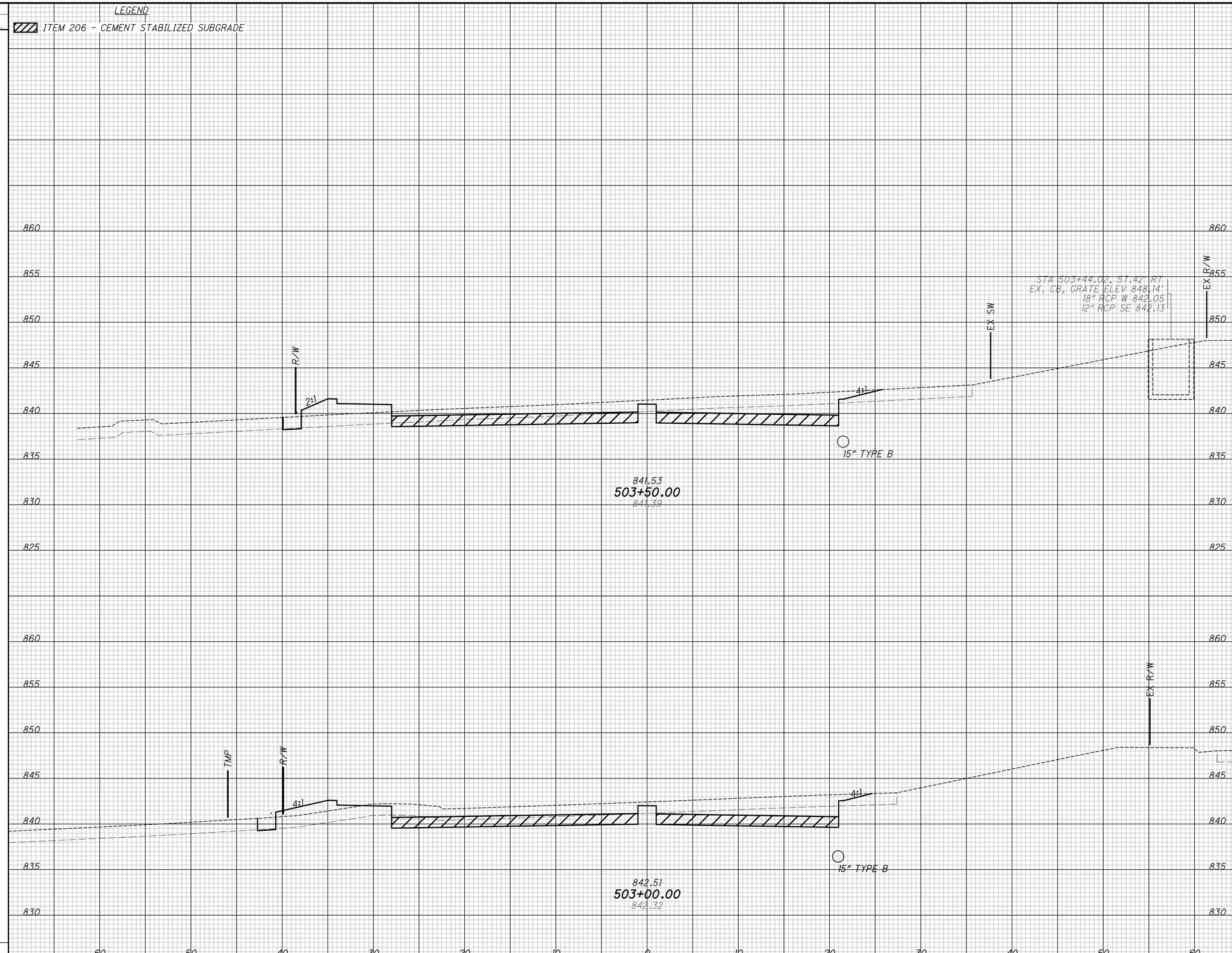
CROSS SECTIONS - PROPOSED HUNT RD
STA. 502+00.00 TO STA. 502+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

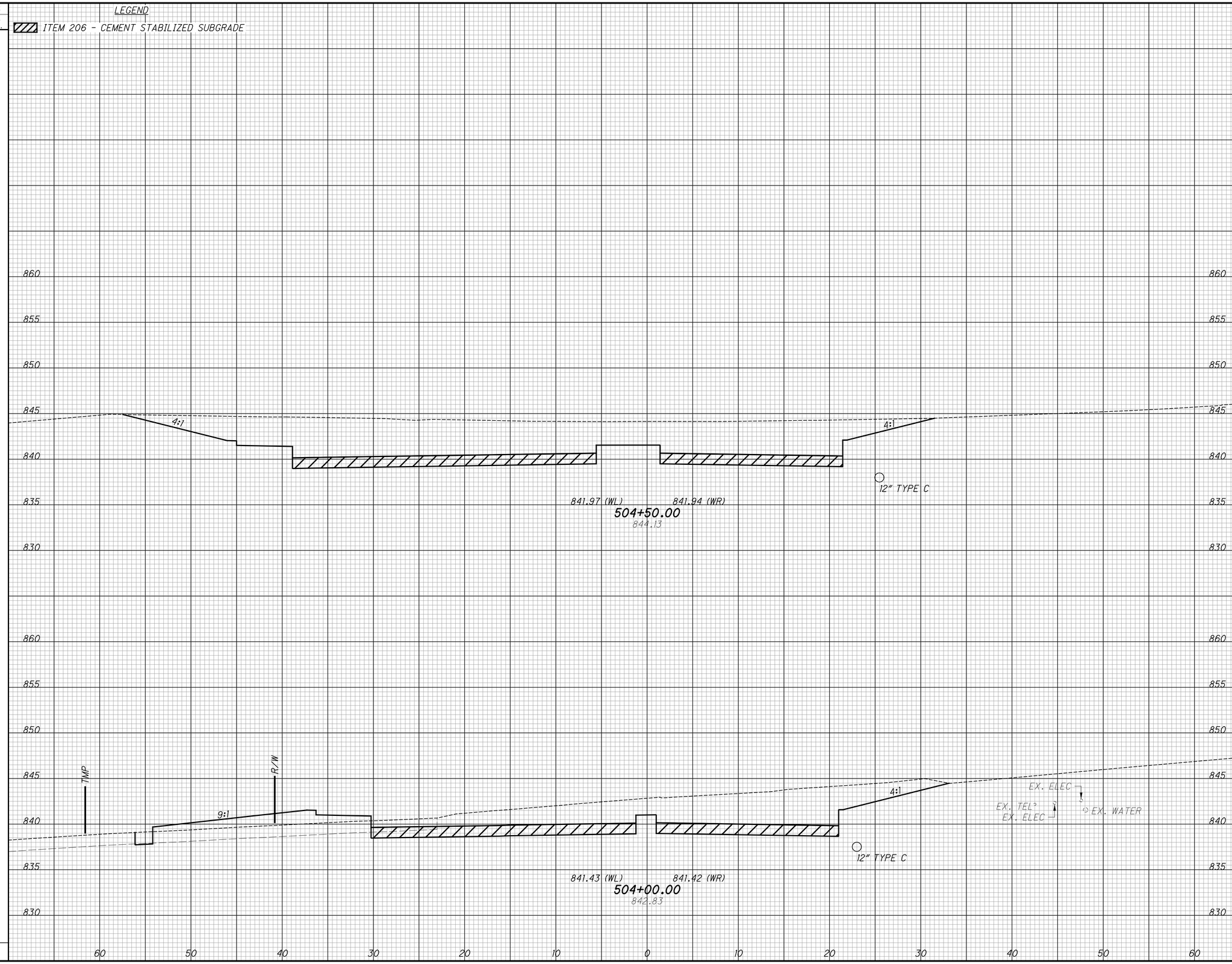
CROSS SECTIONS - PROPOSED HUNT RD
STA. 503+00.00 TO STA. 503+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

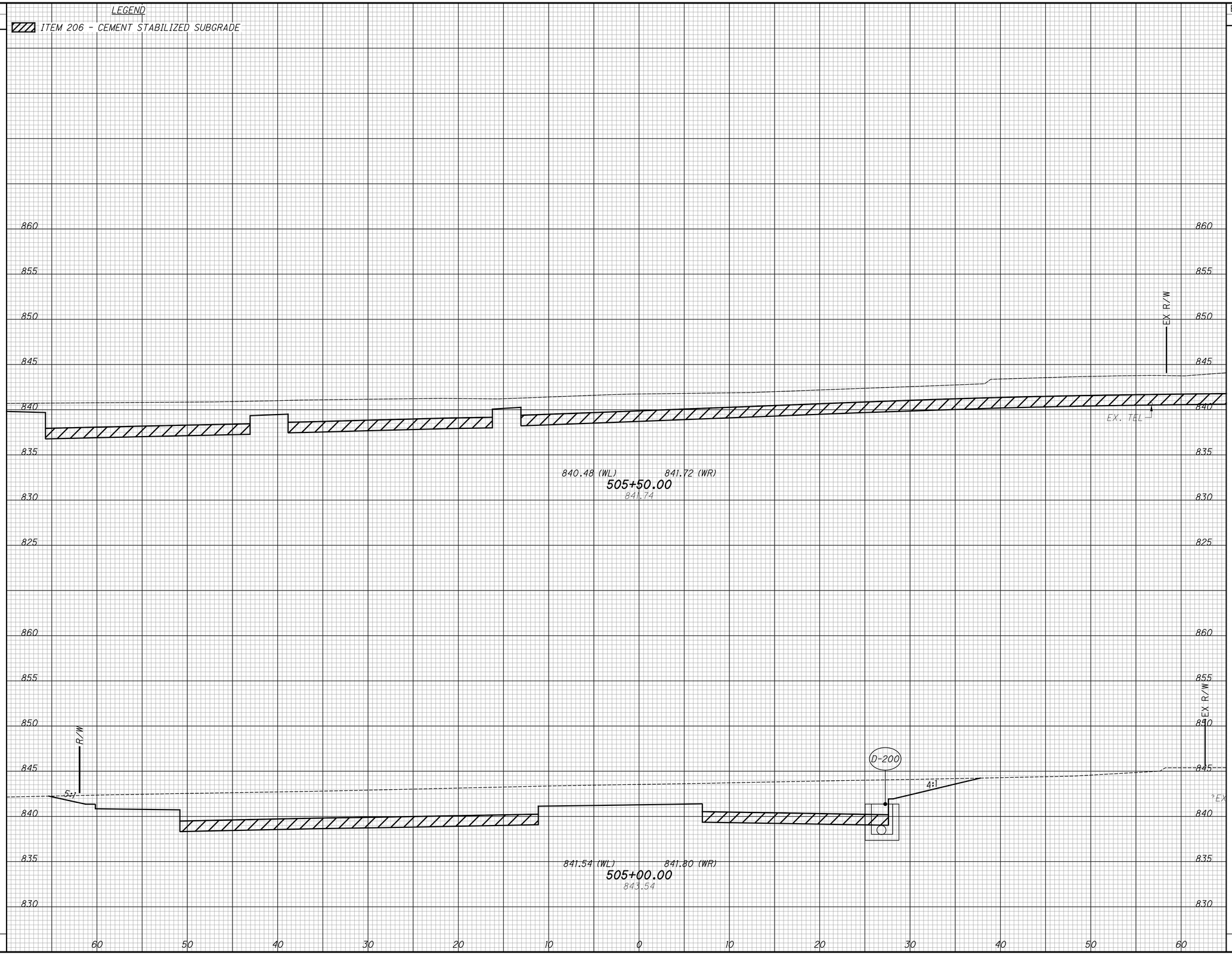
CROSS SECTIONS - PROPOSED HUNT RD
STA. 504+00.00 TO STA. 504+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

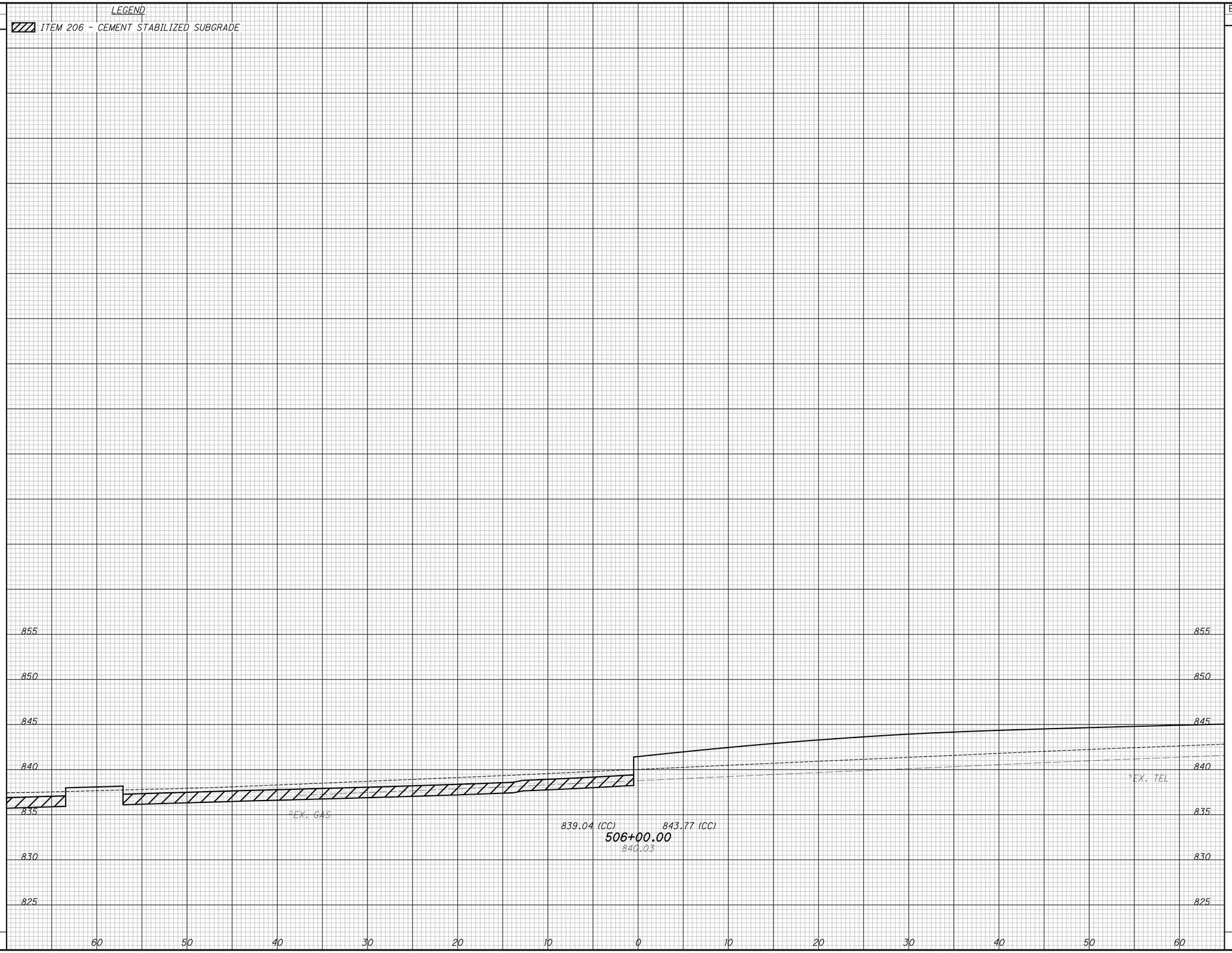
CROSS SECTIONS - PROPOSED HUNT RD
STA. 505+00.00 TO STA. 505+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

CROSS SECTIONS - PROPOSED HUNT RD

STA. 506+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE

END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

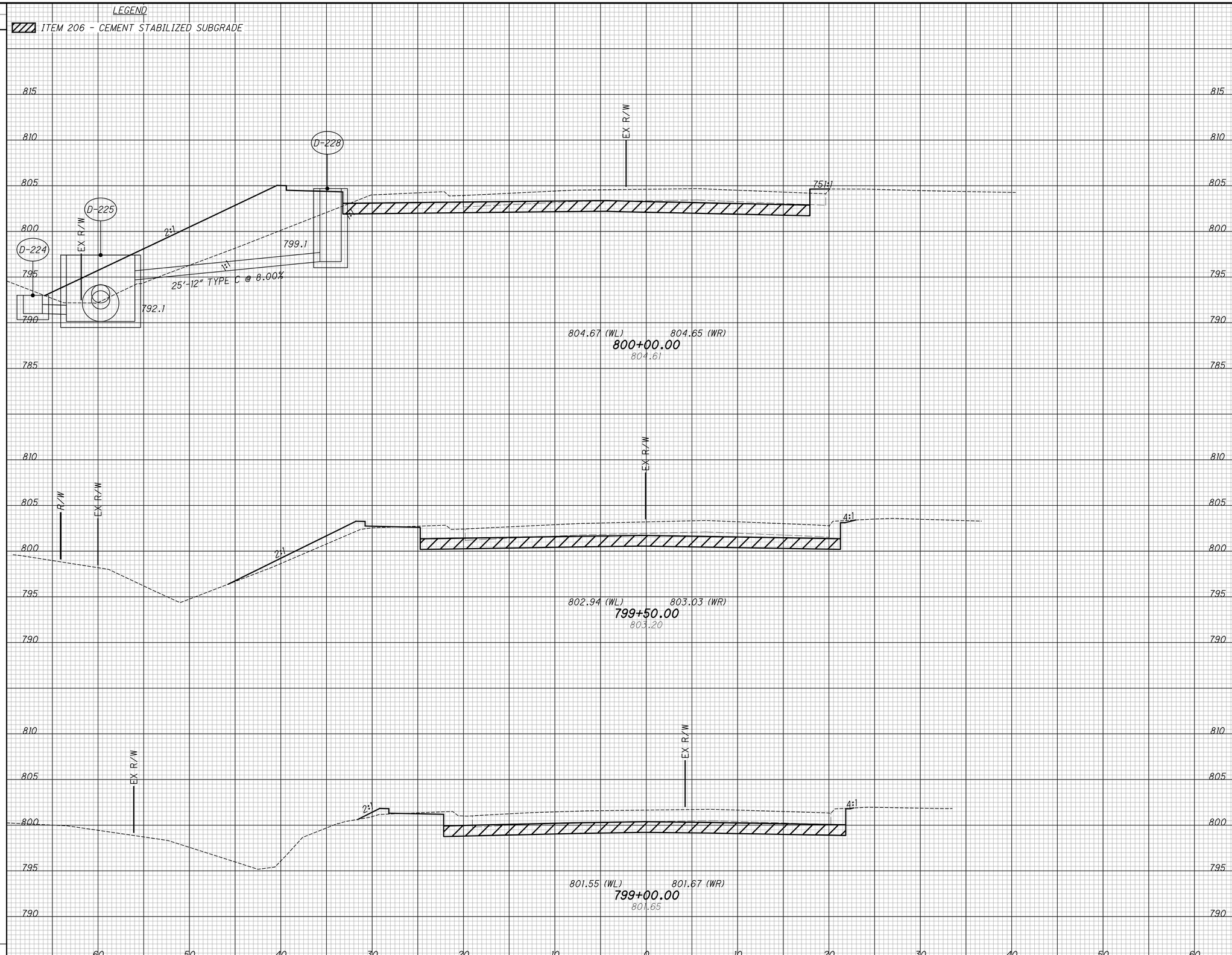
CROSS SECTIONS - EXISTING HUNT RD
STA. 797+00.00 TO STA. 798+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

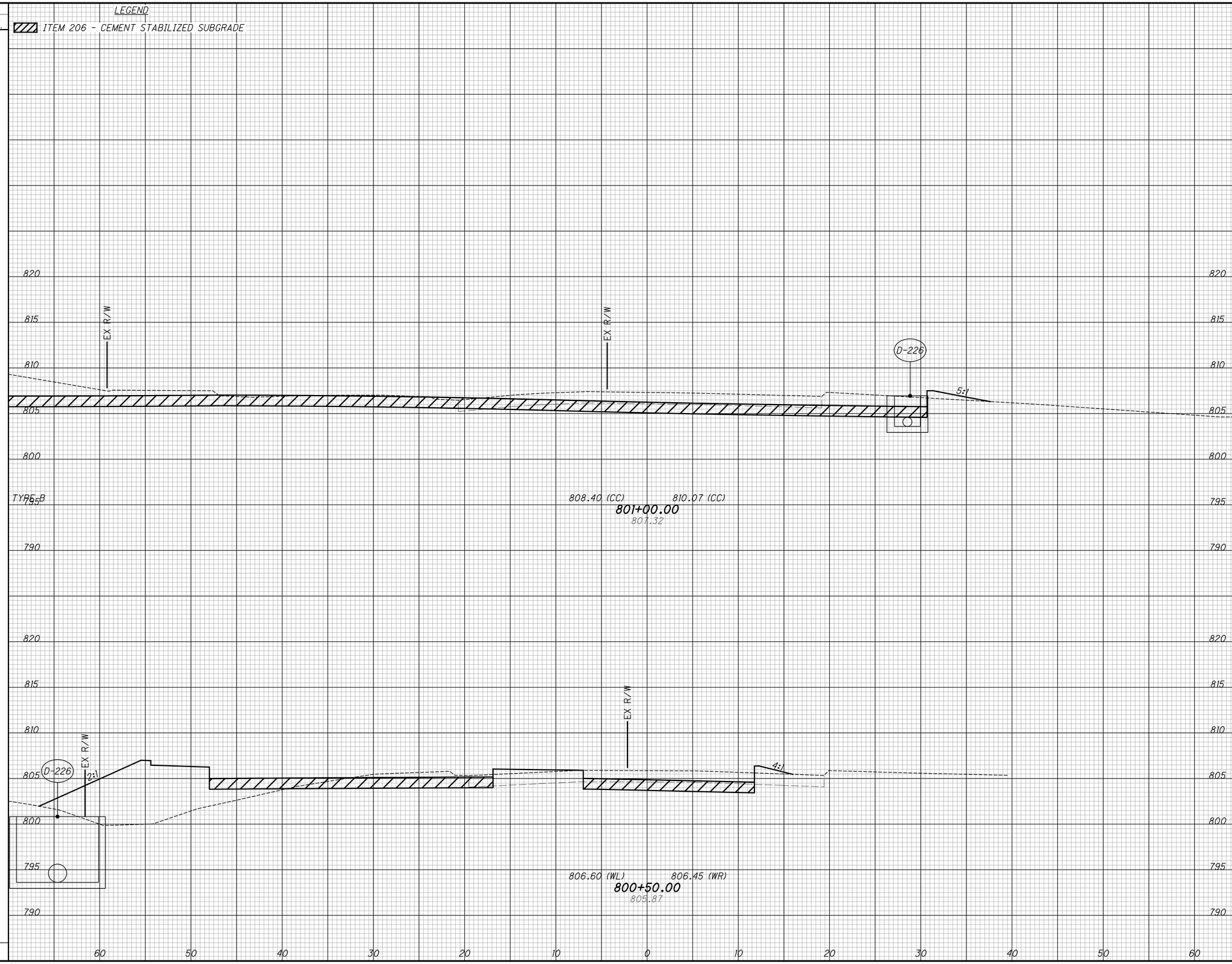
CROSS SECTIONS - EXISTING HUNT RD
STA. 799+00.00 TO STA. 800+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

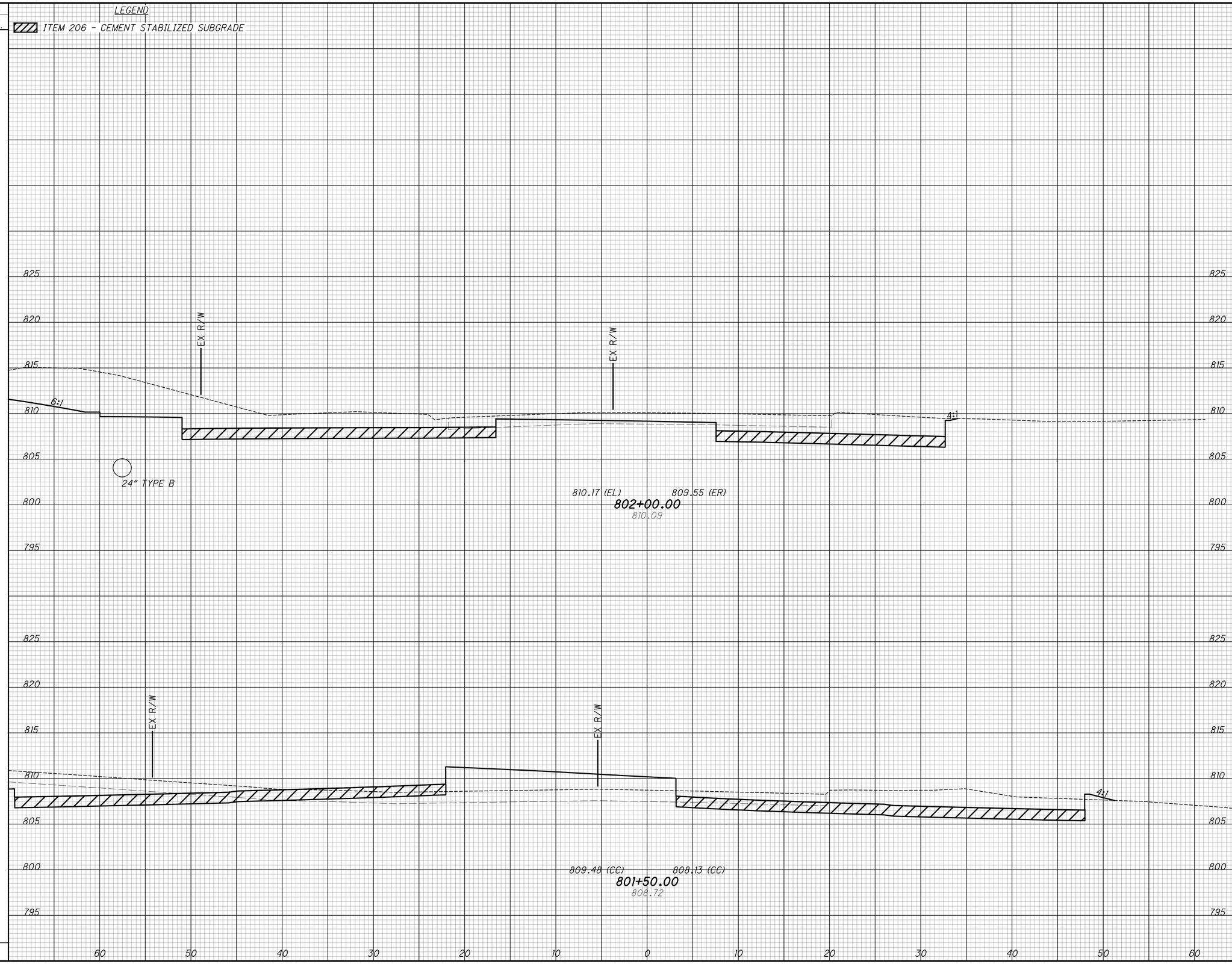
CROSS SECTIONS - EXISTING HUNT RD
STA. 800+50.00 TO STA. 801+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

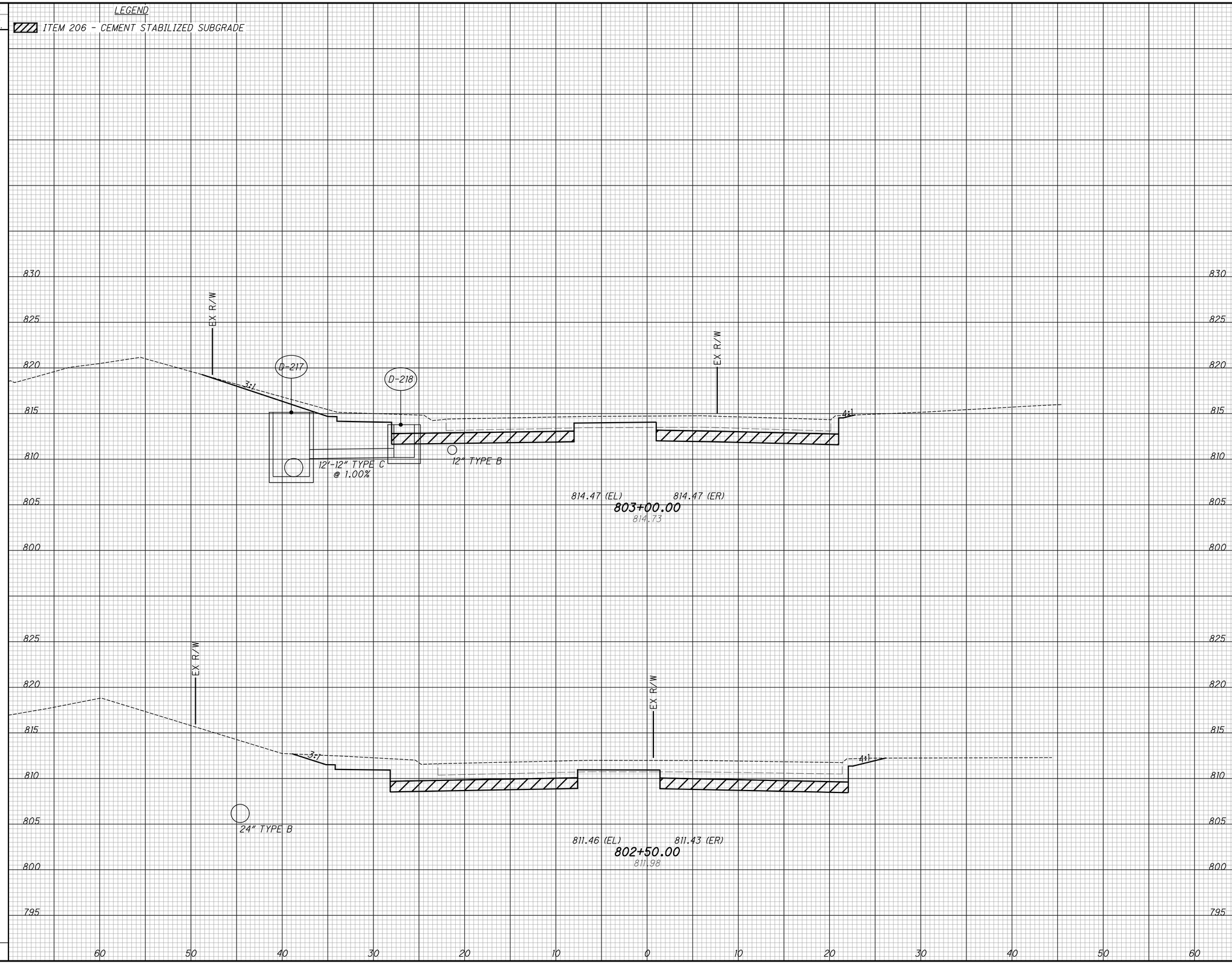
CROSS SECTIONS - EXISTING HUNT RD
STA. 801+50.00 TO STA. 802+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

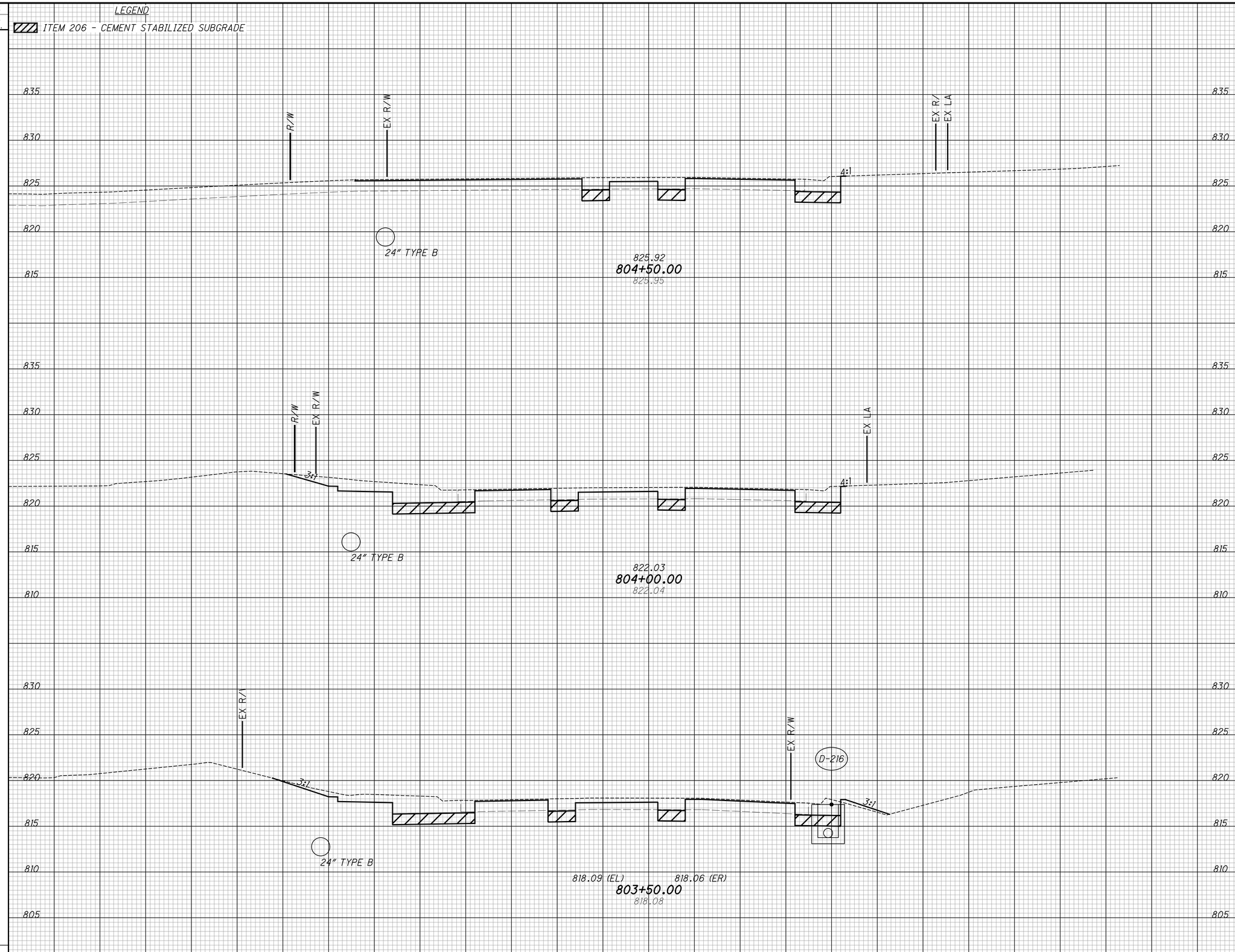
CROSS SECTIONS - EXISTING HUNT RD
STA. 802+50.00 TO STA. 803+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

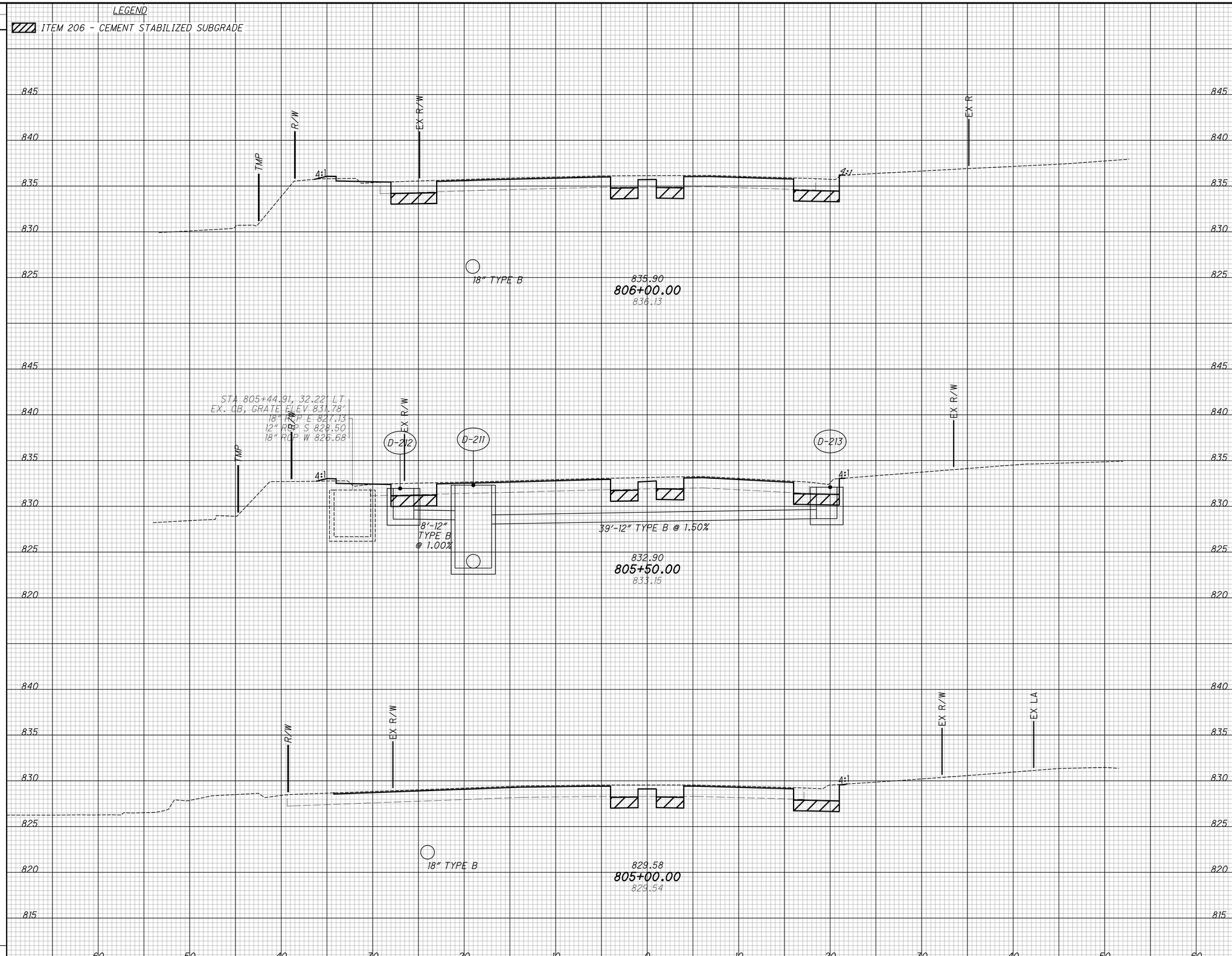
CROSS SECTIONS - EXISTING HUNT RD
STA. 803+50.00 TO STA. 804+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

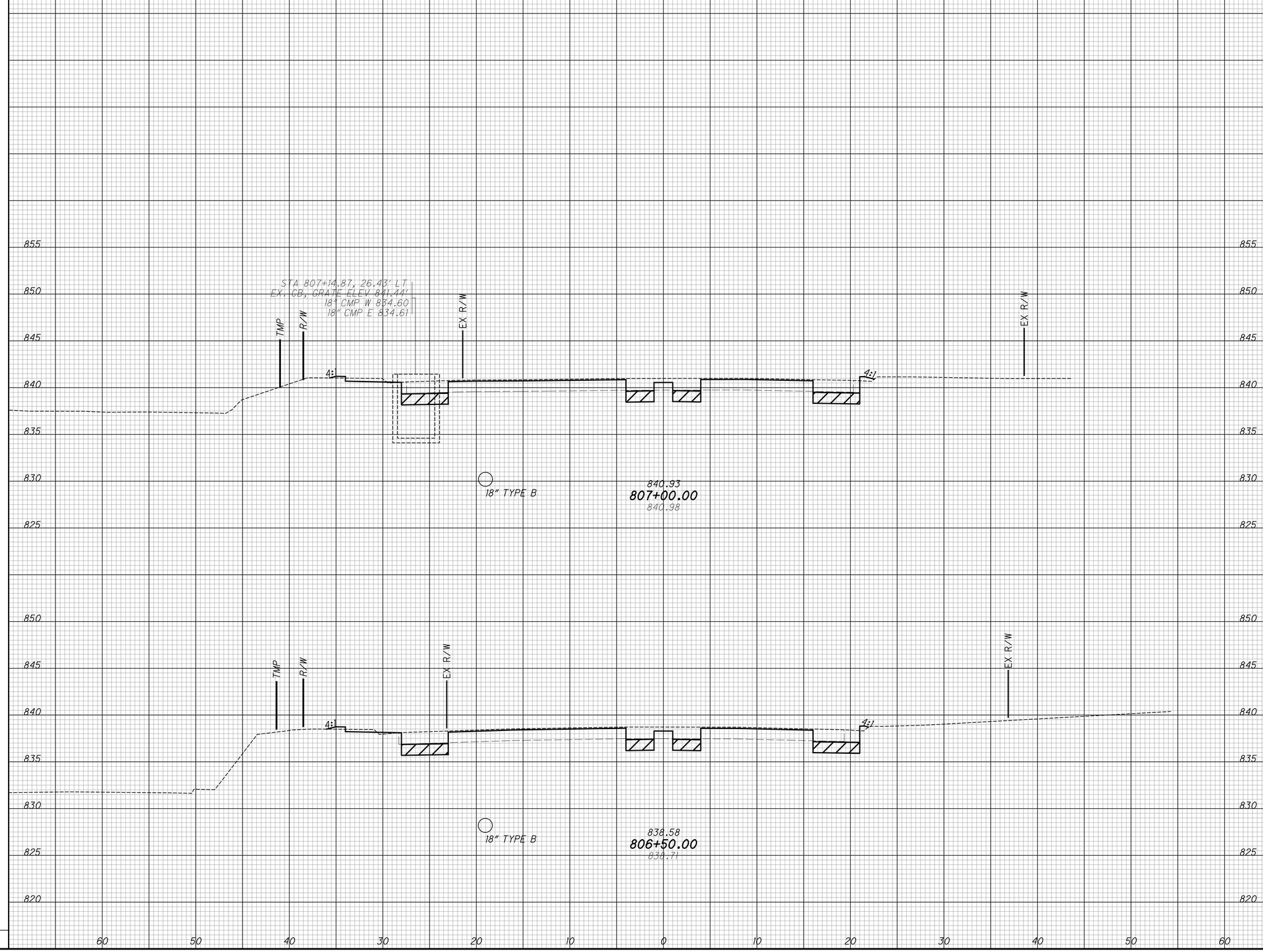
CROSS SECTIONS - EXISTING HUNT RD
STA. 805+00.00 TO STA. 806+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

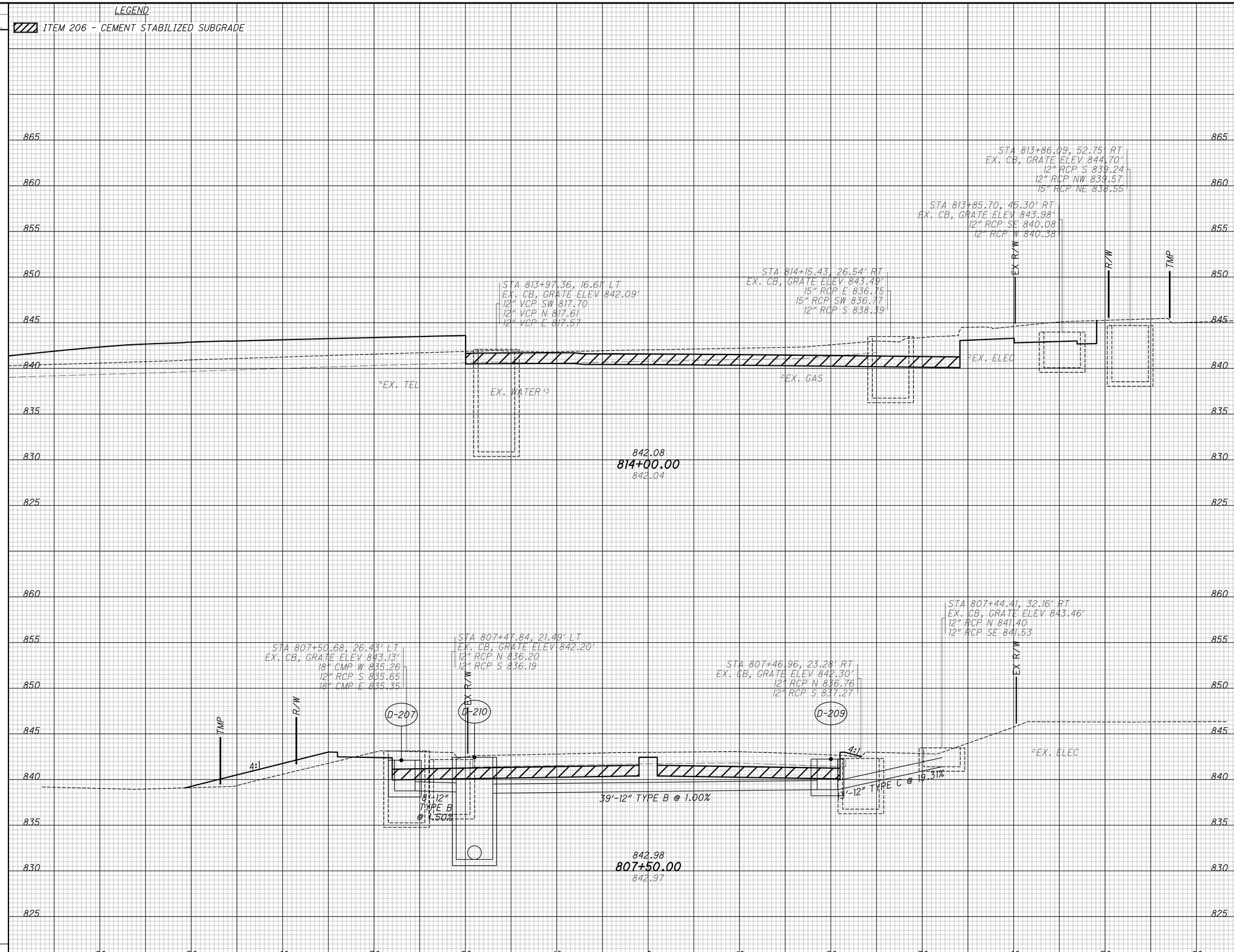
CROSS SECTIONS - EXISTING HUNT RD
STA. 806+50.00 TO STA. 807+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

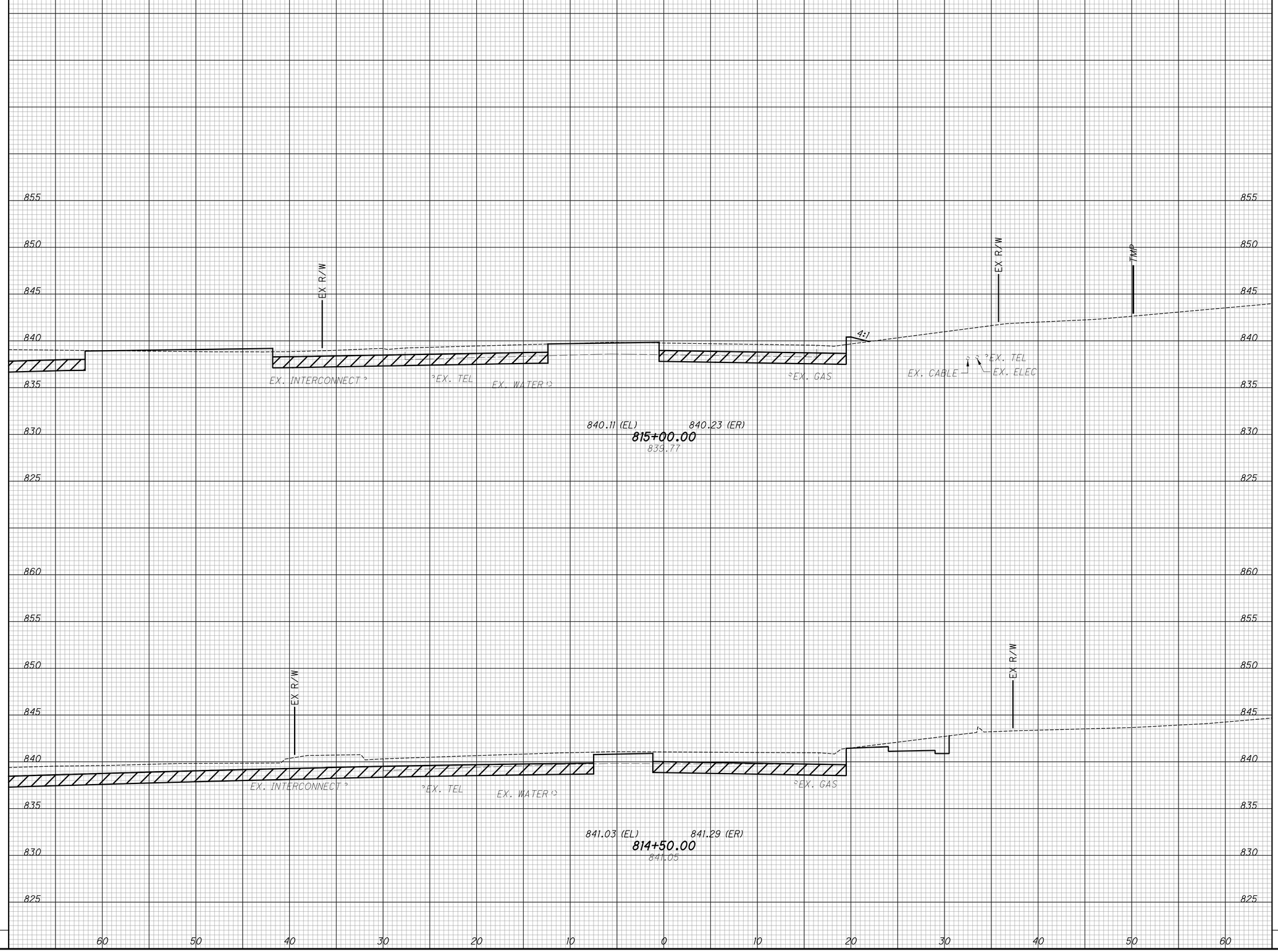
CROSS SECTIONS - EXISTING HUNT RD STA. 807+50.00 AND STA. 814+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

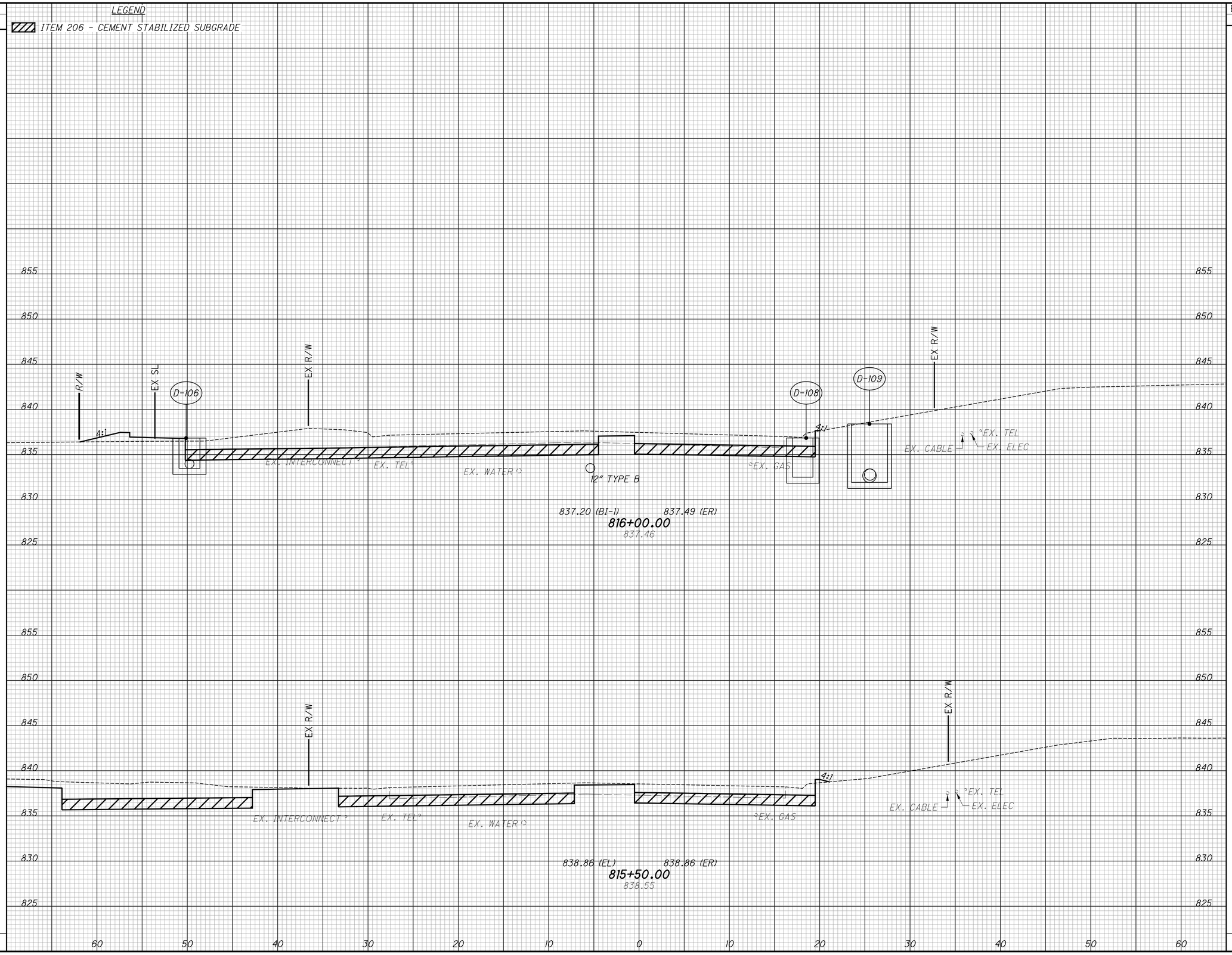
CROSS SECTIONS - EXISTING HUNT RD
STA. 814+50.00 TO STA. 815+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

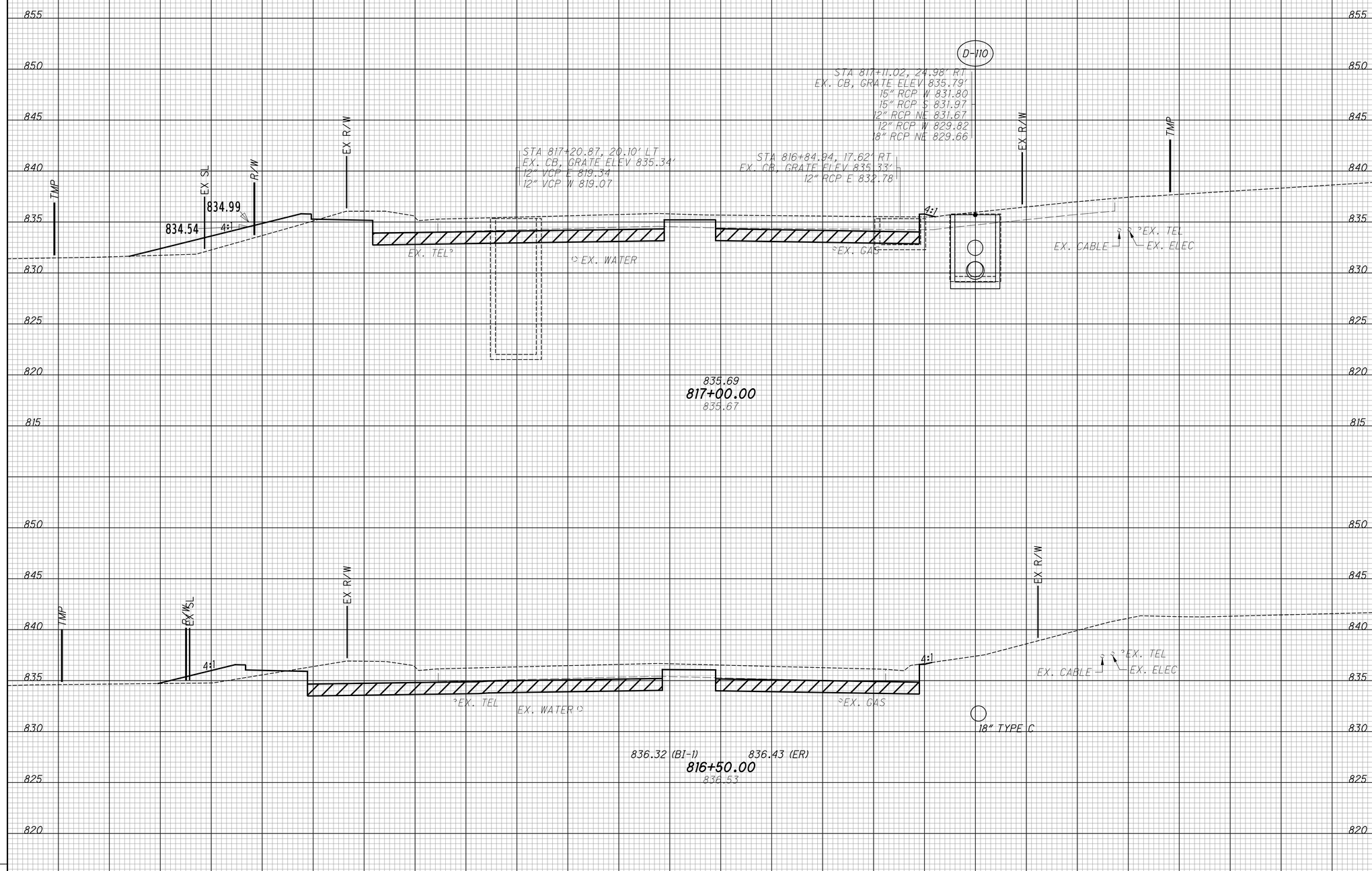
CROSS SECTIONS - EXISTING HUNT RD
STA. 815+50.00 TO STA. 816+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

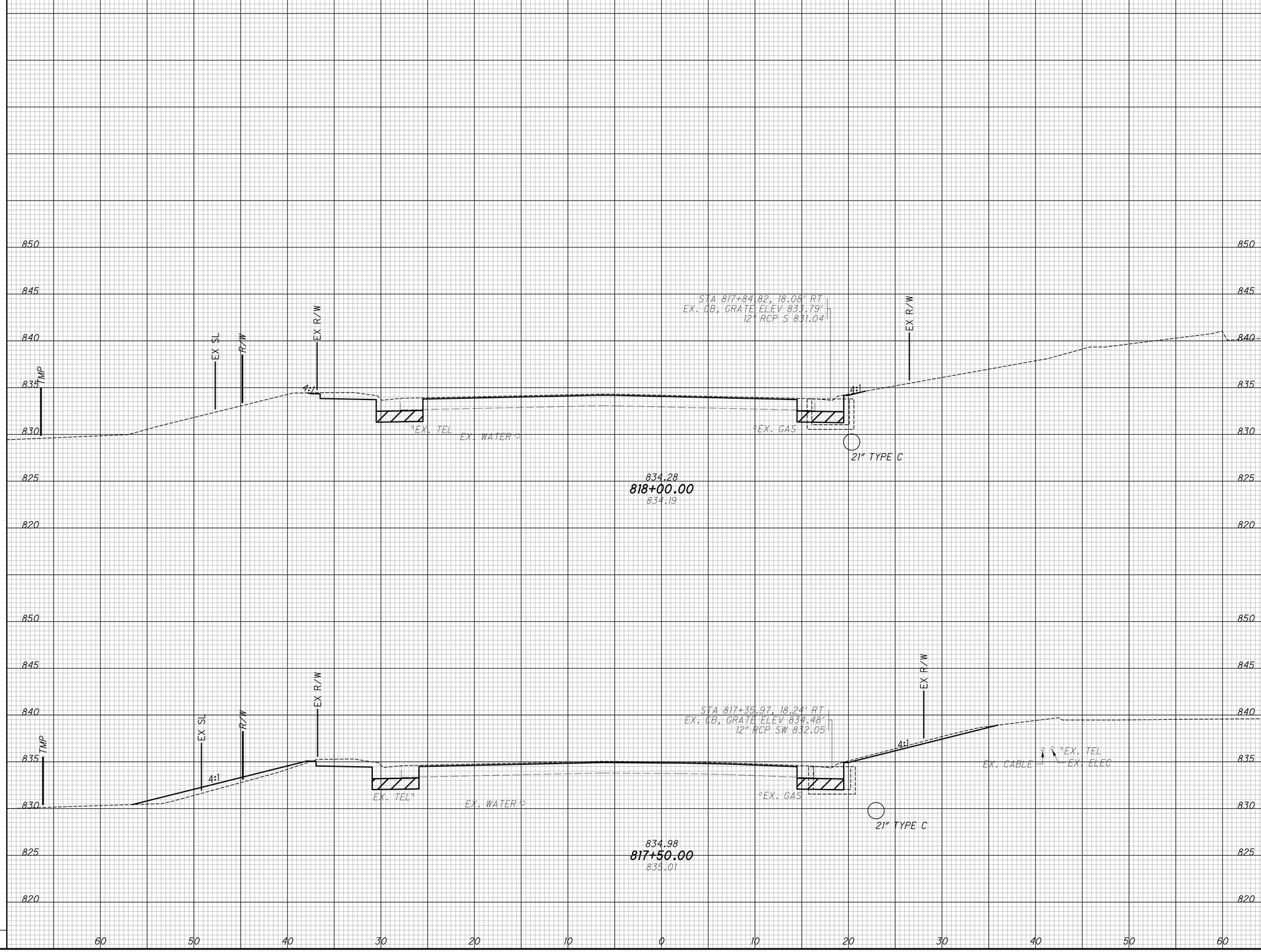
CROSS SECTIONS - EXISTING HUNT RD
STA. 816+50.00 TO STA. 817+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

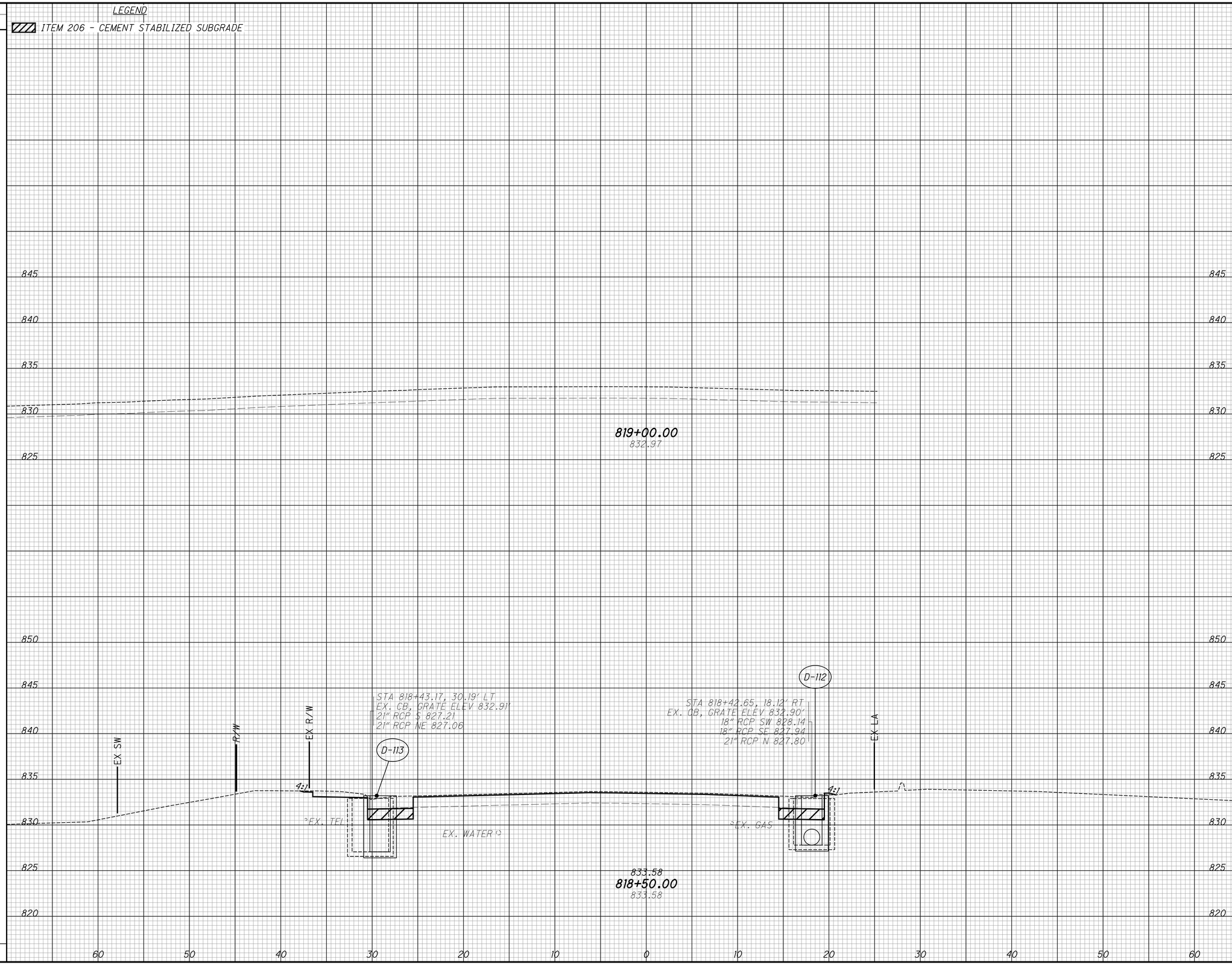
CROSS SECTIONS - EXISTING HUNT RD
STA. 817+50.00 TO STA. 818+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

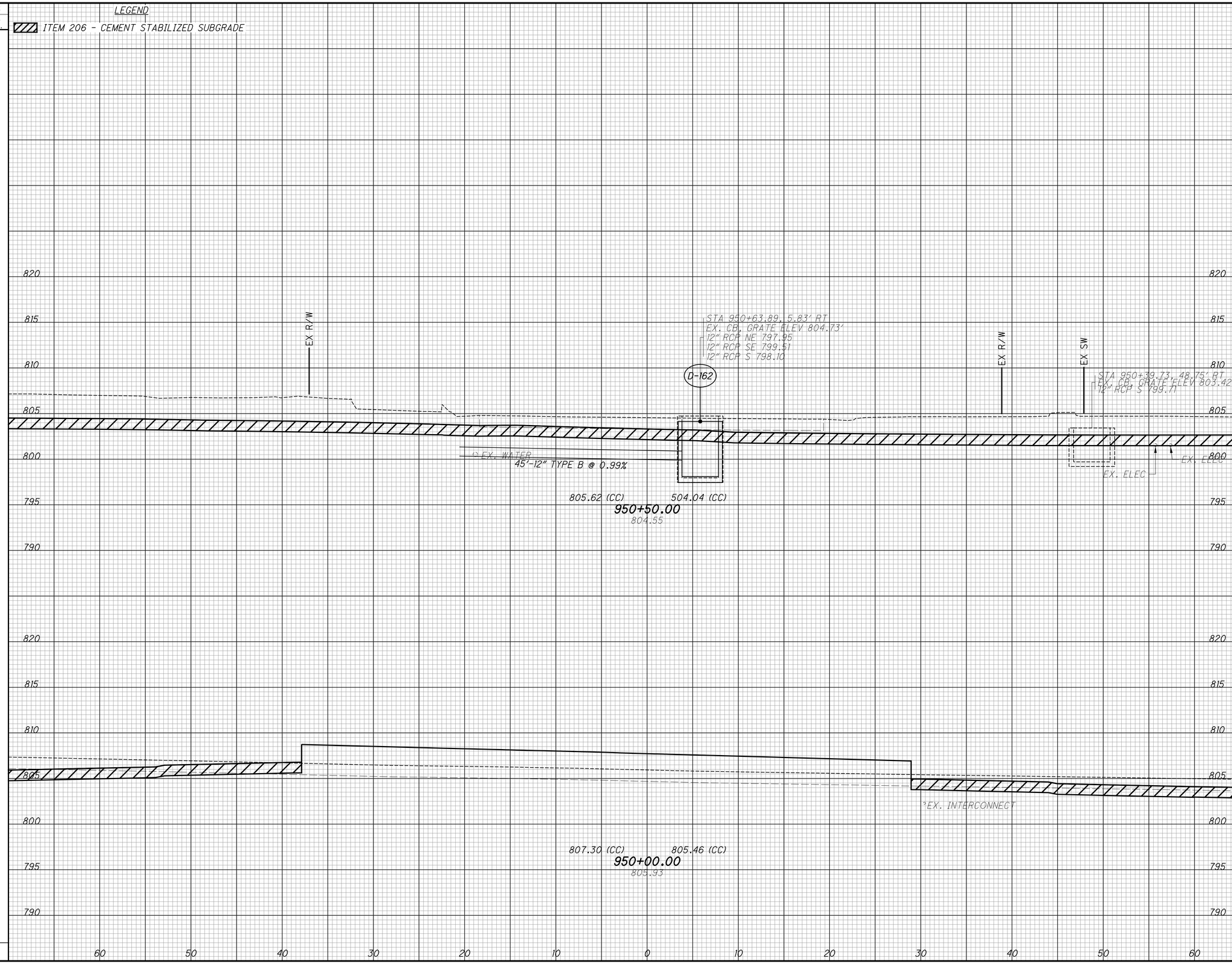
CROSS SECTIONS - EXISTING HUNT RD
STA. 818+50.00 TO STA. 819+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

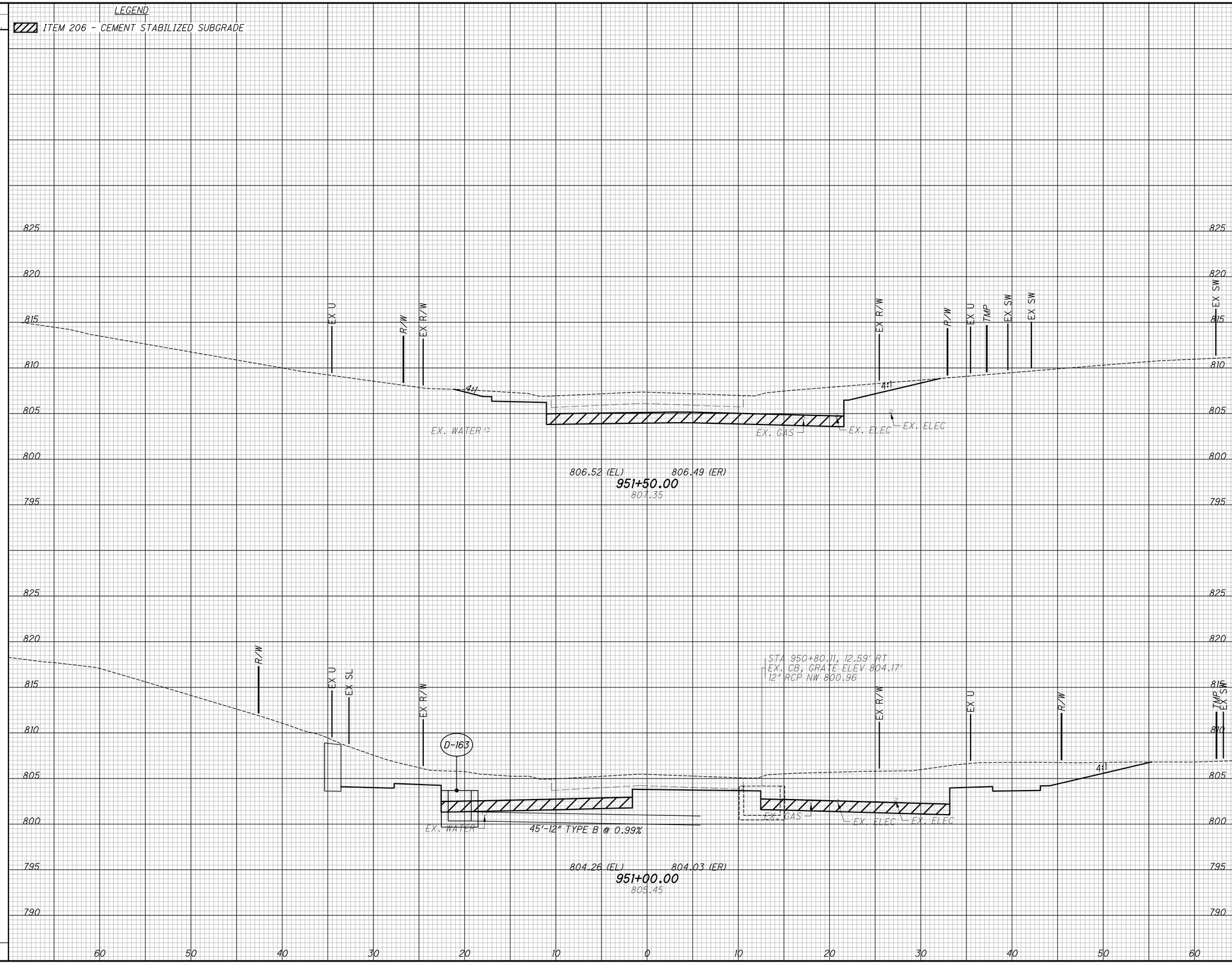
CROSS SECTIONS - PEPPERMILL LN
STA. 950+00.00 TO STA. 950+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

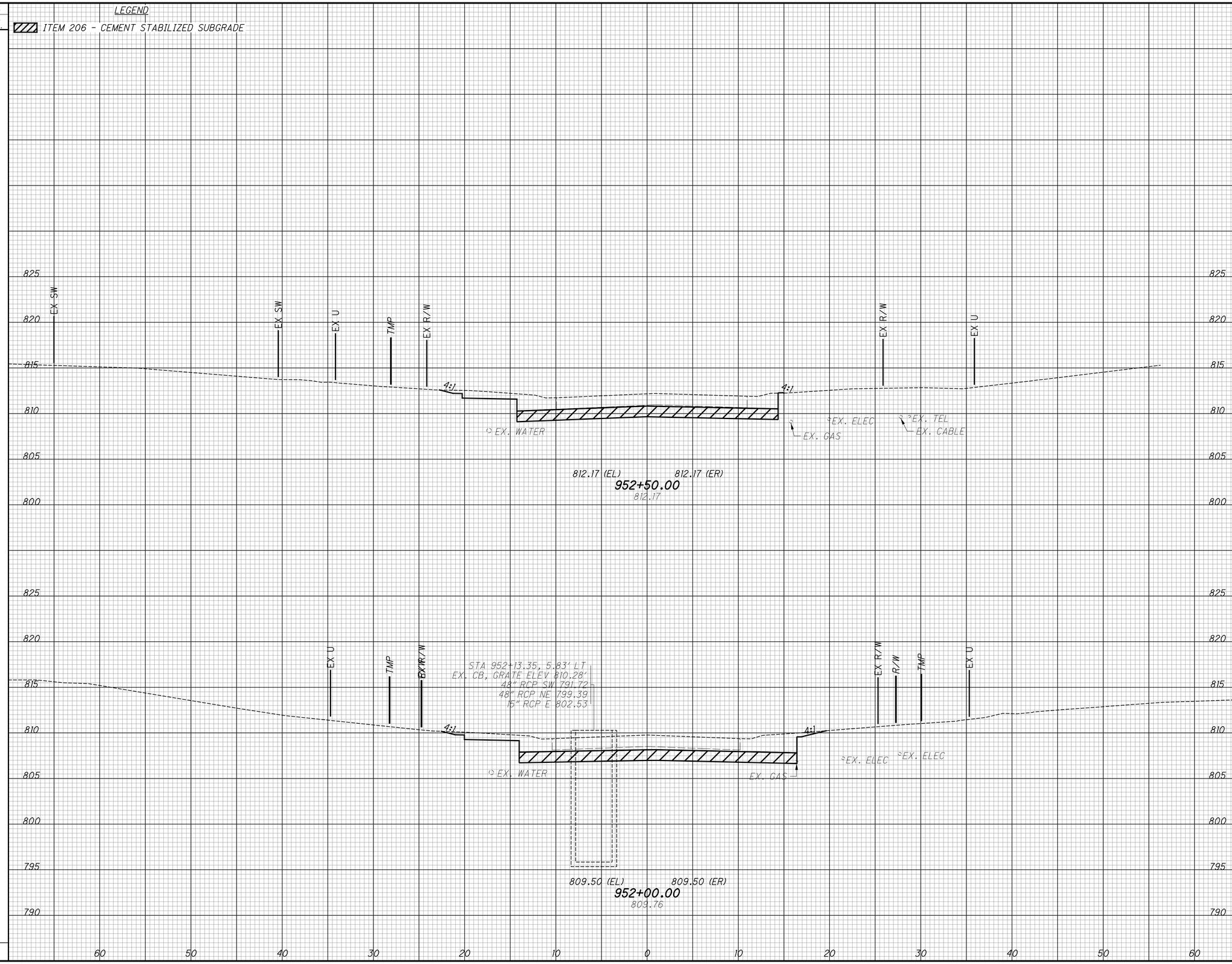
CROSS SECTIONS - PEPPERMILL LN
STA. 951+00.00 TO STA. 951+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

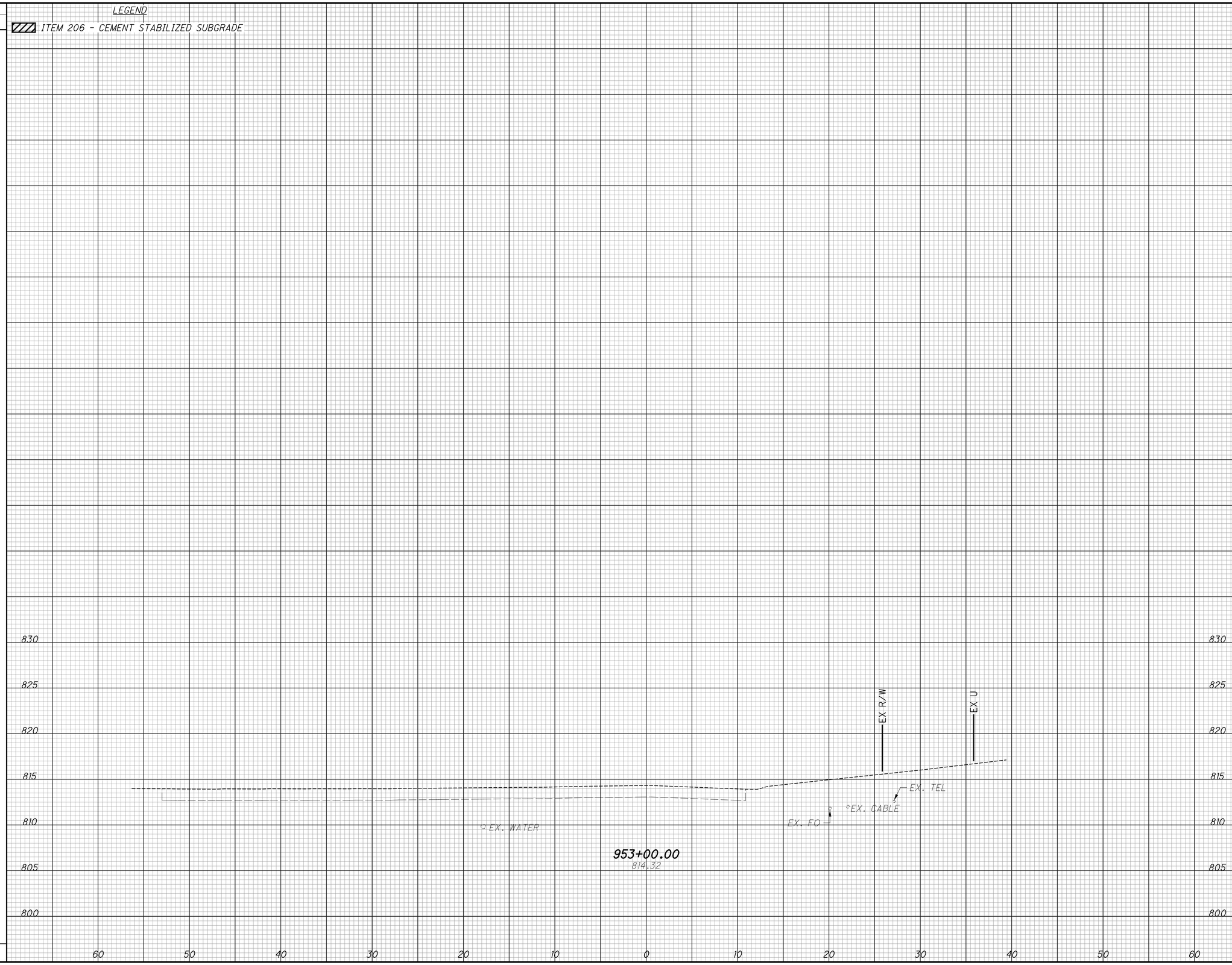
CROSS SECTIONS - PEPPERMILL LN
STA. 952+00.00 TO STA. 952+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

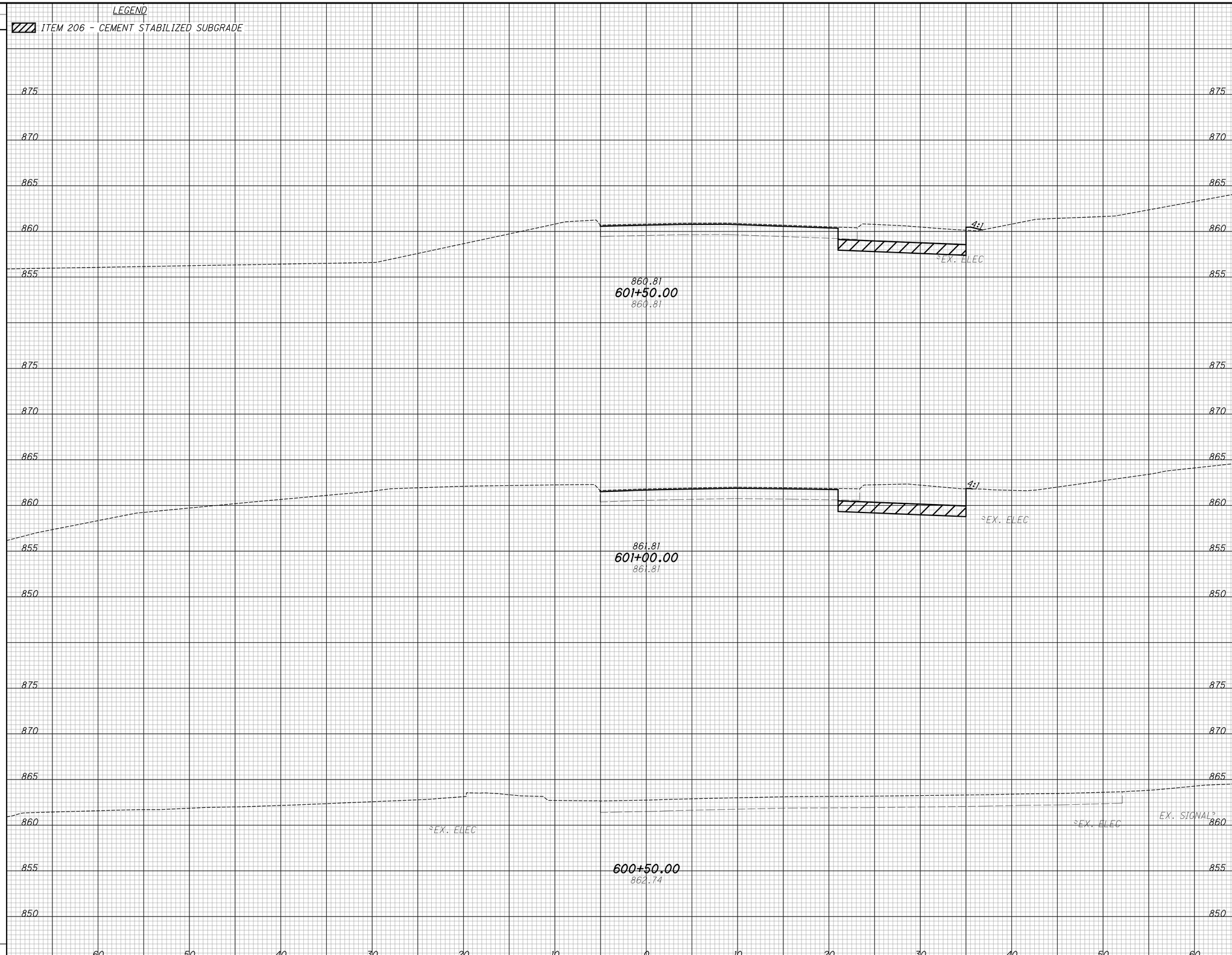
CROSS SECTIONS - PEPPERMILL LN
STA. 953+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

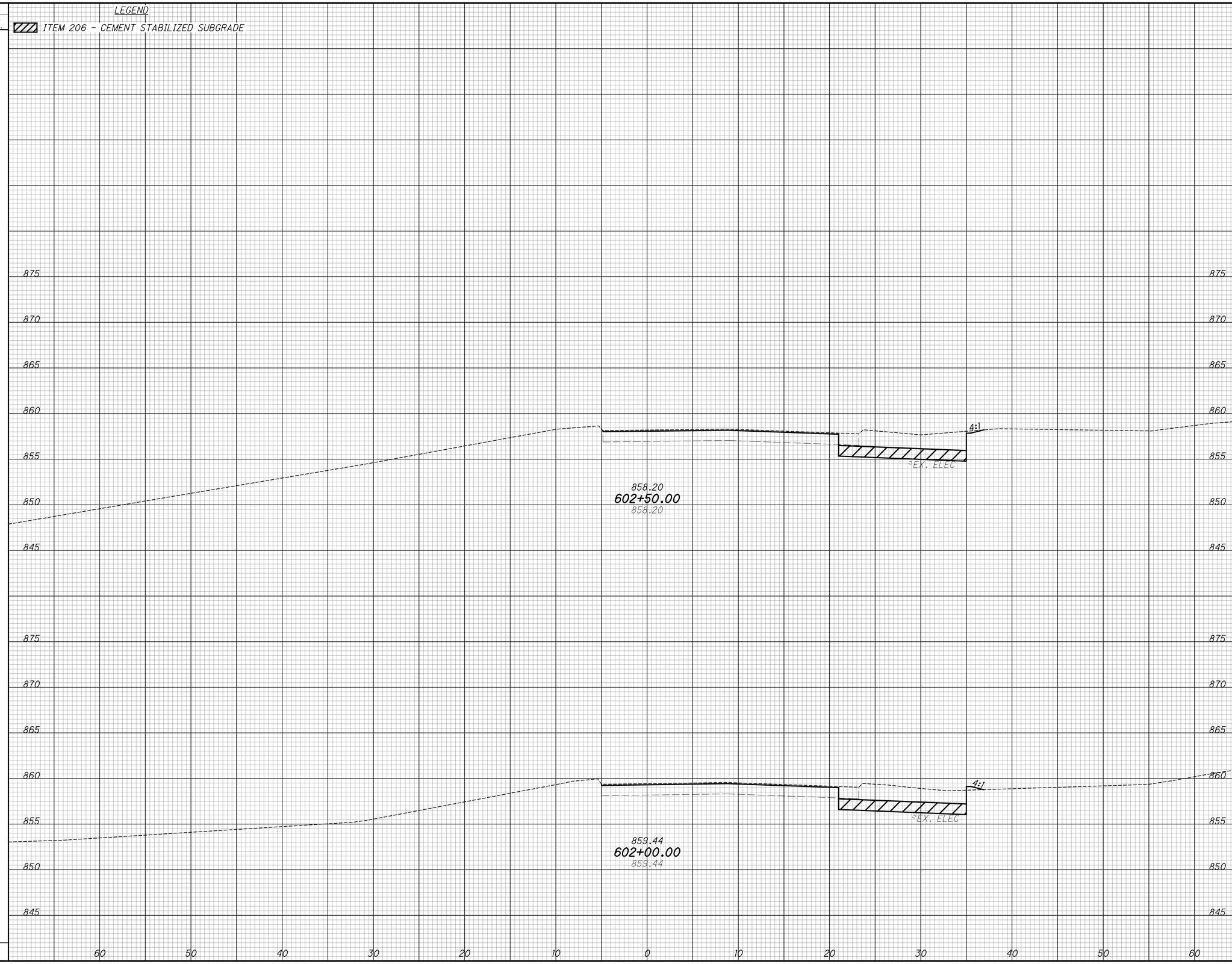
CROSS SECTIONS - SR 126 ENTRANCE RAMP
STA. 600+50.00 TO STA. 601+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

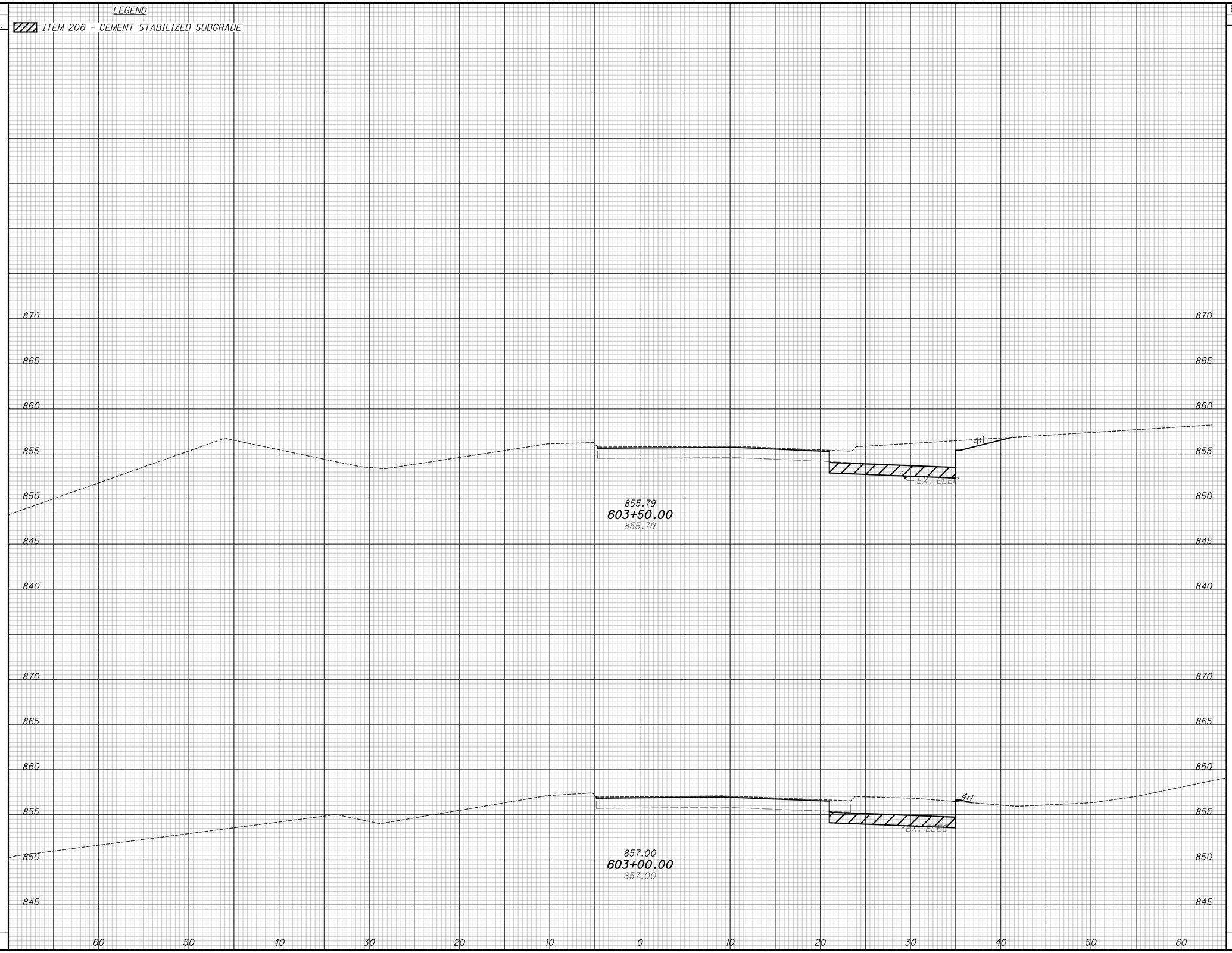
CROSS SECTIONS - SR 126 ENTRANCE RAMP
STA. 602+00.00 TO STA. 602+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

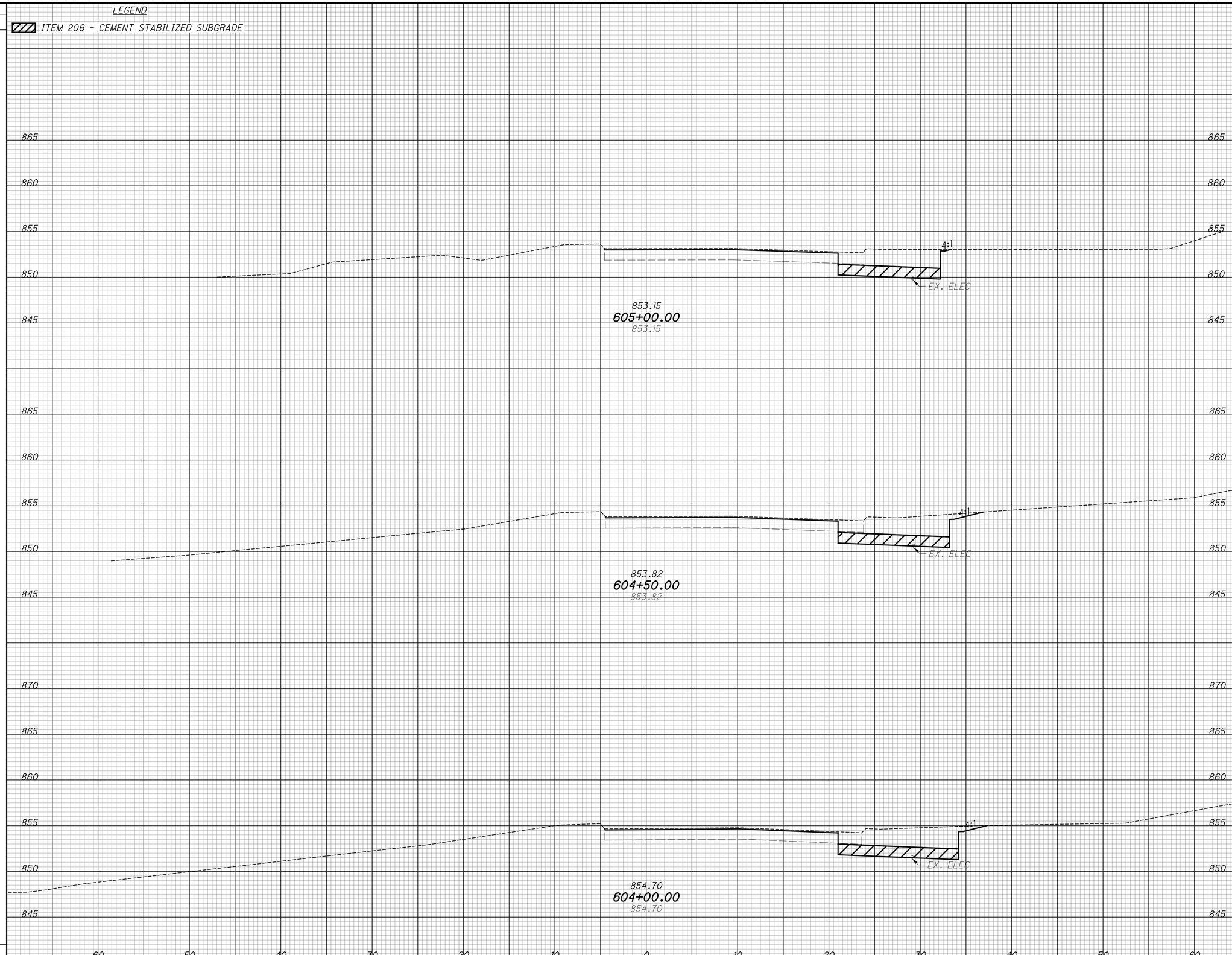
CROSS SECTIONS - SR 126 ENTRANCE RAMP
STA. 603+00.00 TO STA. 603+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

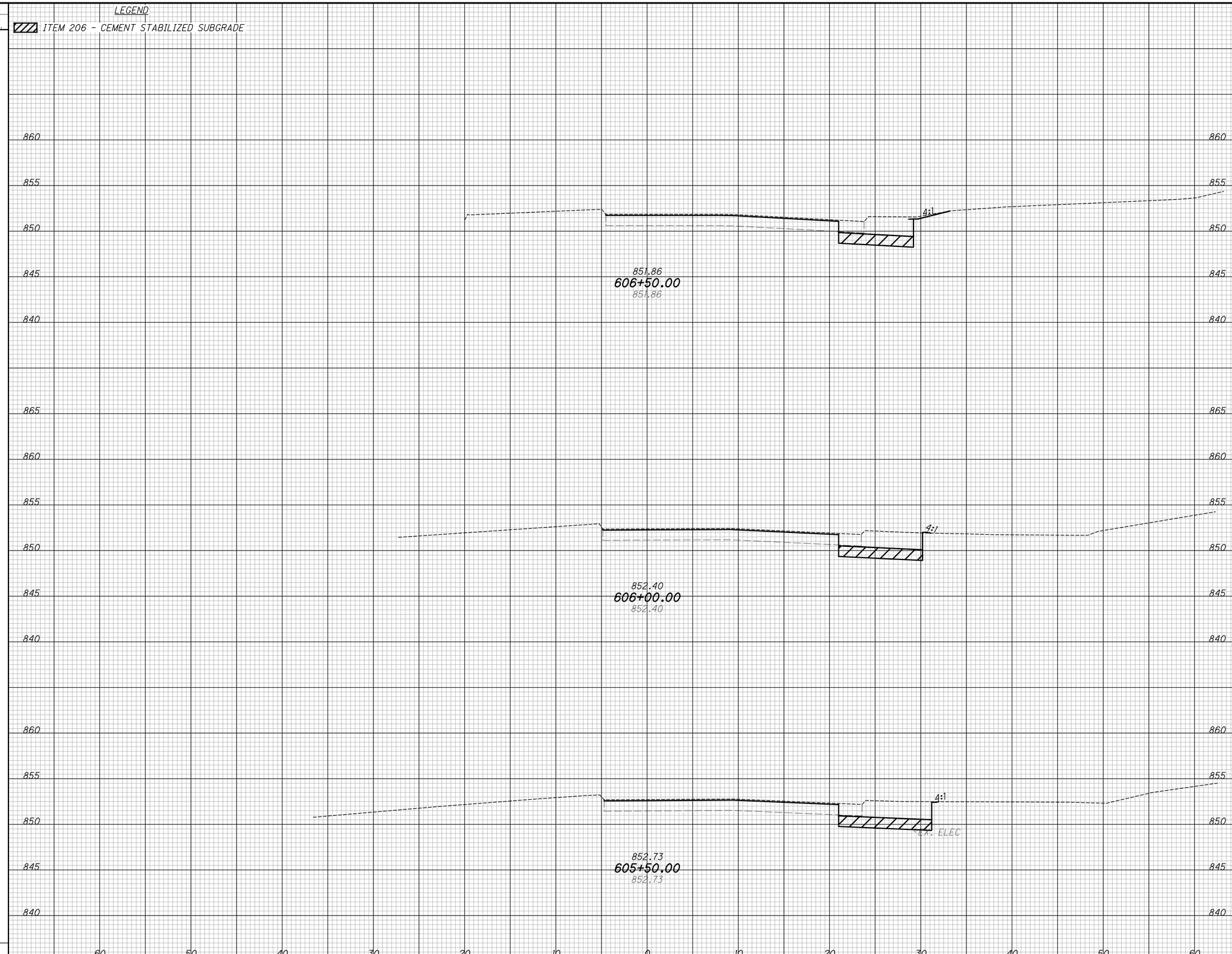
CROSS SECTIONS - SR 126 ENTRANCE RAMP
STA. 604+00.00 TO STA. 605+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS
CHECKED JS

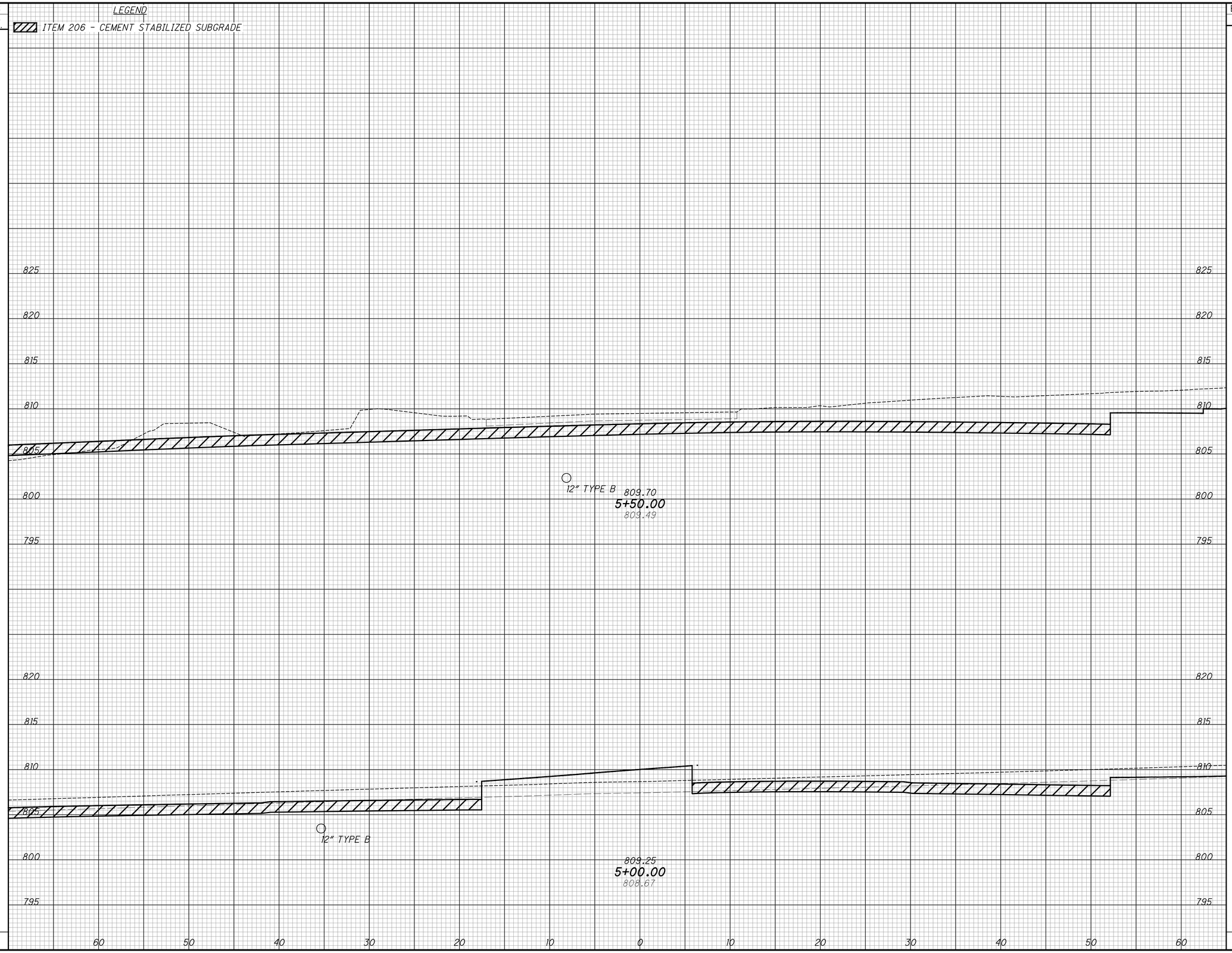
CROSS SECTIONS - SR 126 ENTRANCE RAMP
STA. 605+50.00 TO STA. 606+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

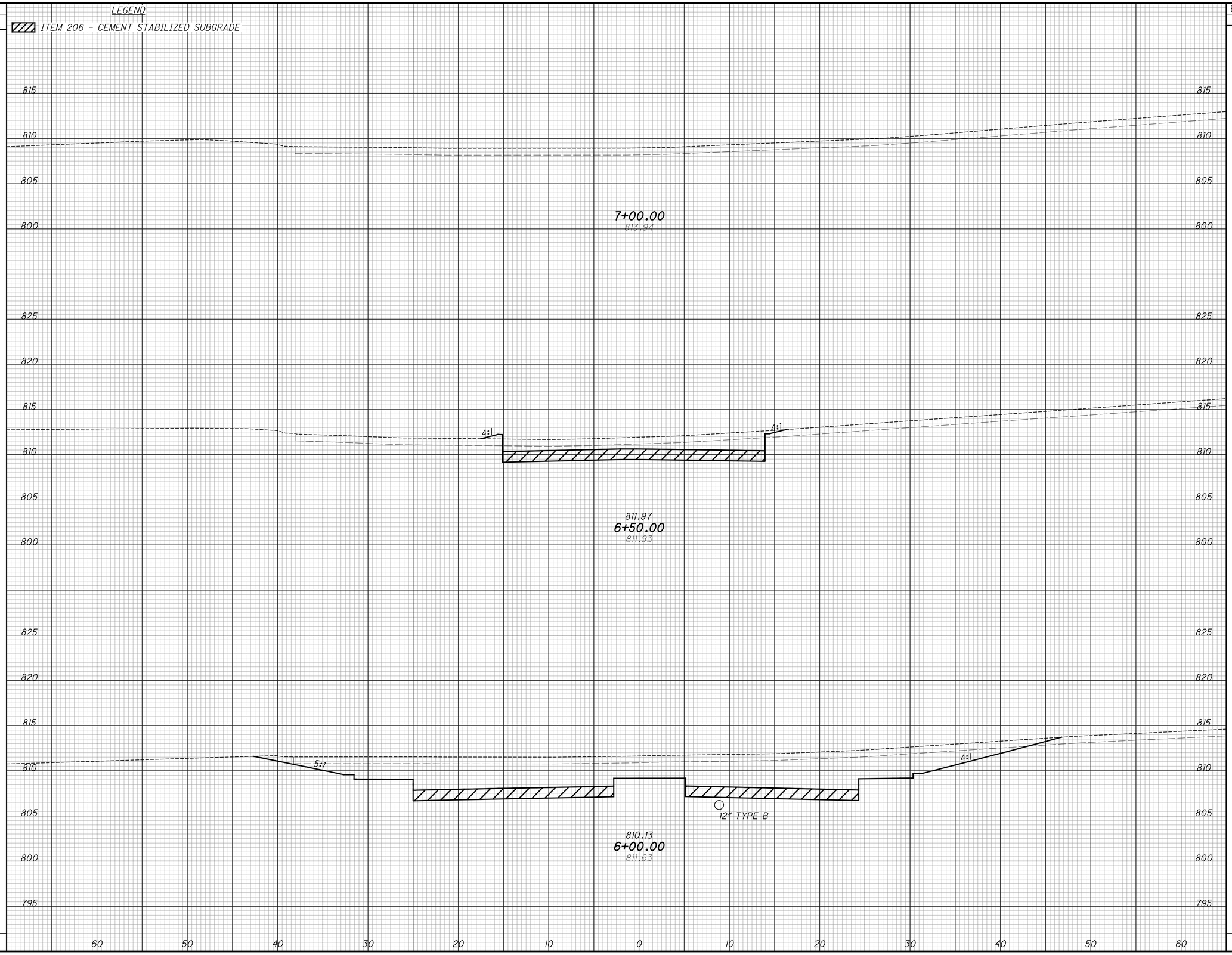
CROSS SECTIONS - KROGER ENTRANCE
STA. 5+00.00 TO STA. 5+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

SEEDING	
END WIDTH	SQ. YDS.

LEGEND

ITEM 206 - CEMENT STABILIZED SUBGRADE



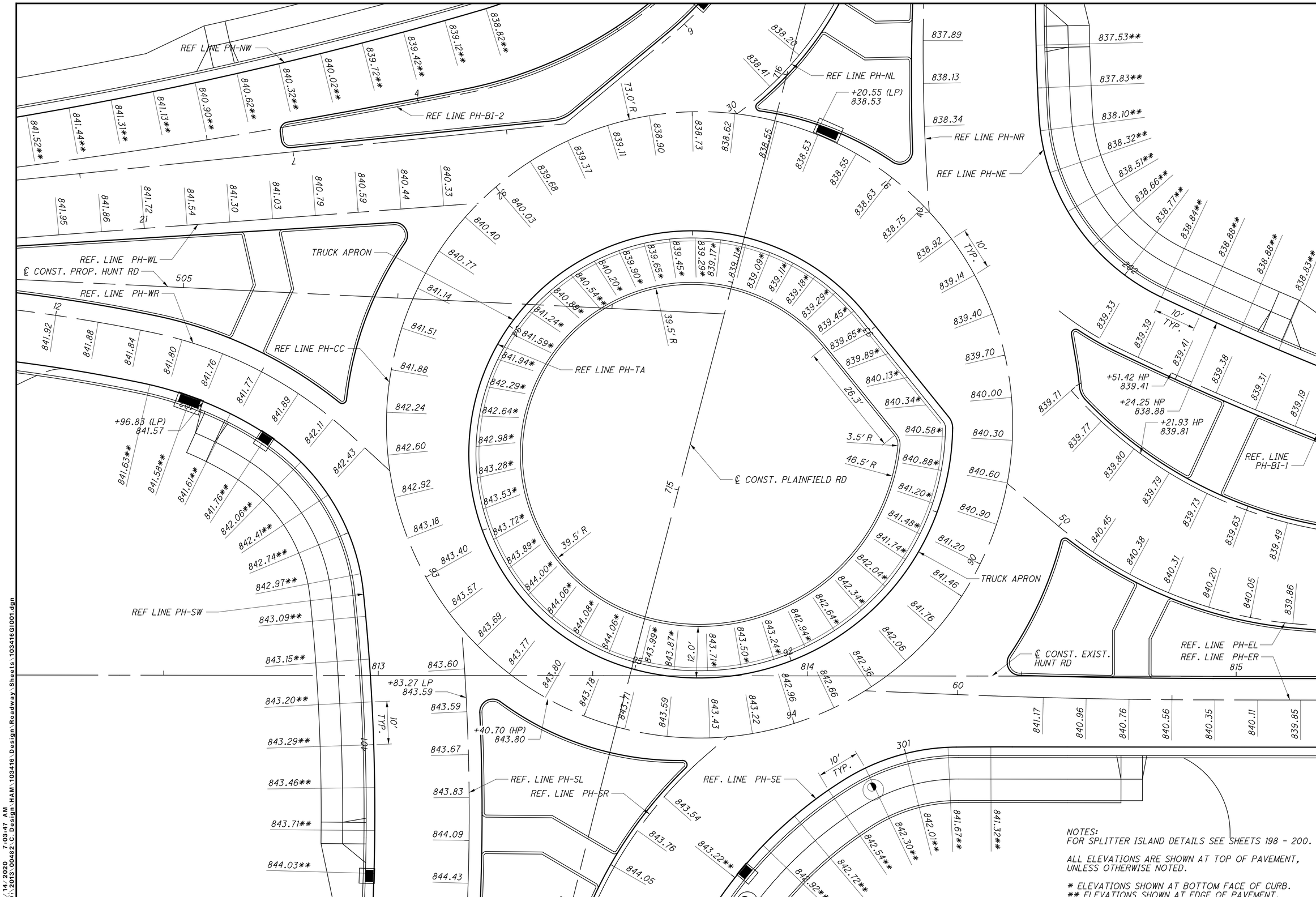
END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED LZS

CHECKED JS

CROSS SECTIONS - KROGER ENTRANCE
STA. 6+00.00 TO STA. 7+00.00

HAM-PLAINFIELD RD ROUNDABOUTS



NOTES:
FOR SPLITTER ISLAND DETAILS SEE SHEETS 198 - 200.

ALL ELEVATIONS ARE SHOWN AT TOP OF PAVEMENT, UNLESS OTHERWISE NOTED.

* ELEVATIONS SHOWN AT BOTTOM FACE OF CURB.
** ELEVATIONS SHOWN AT EDGE OF PAVEMENT.

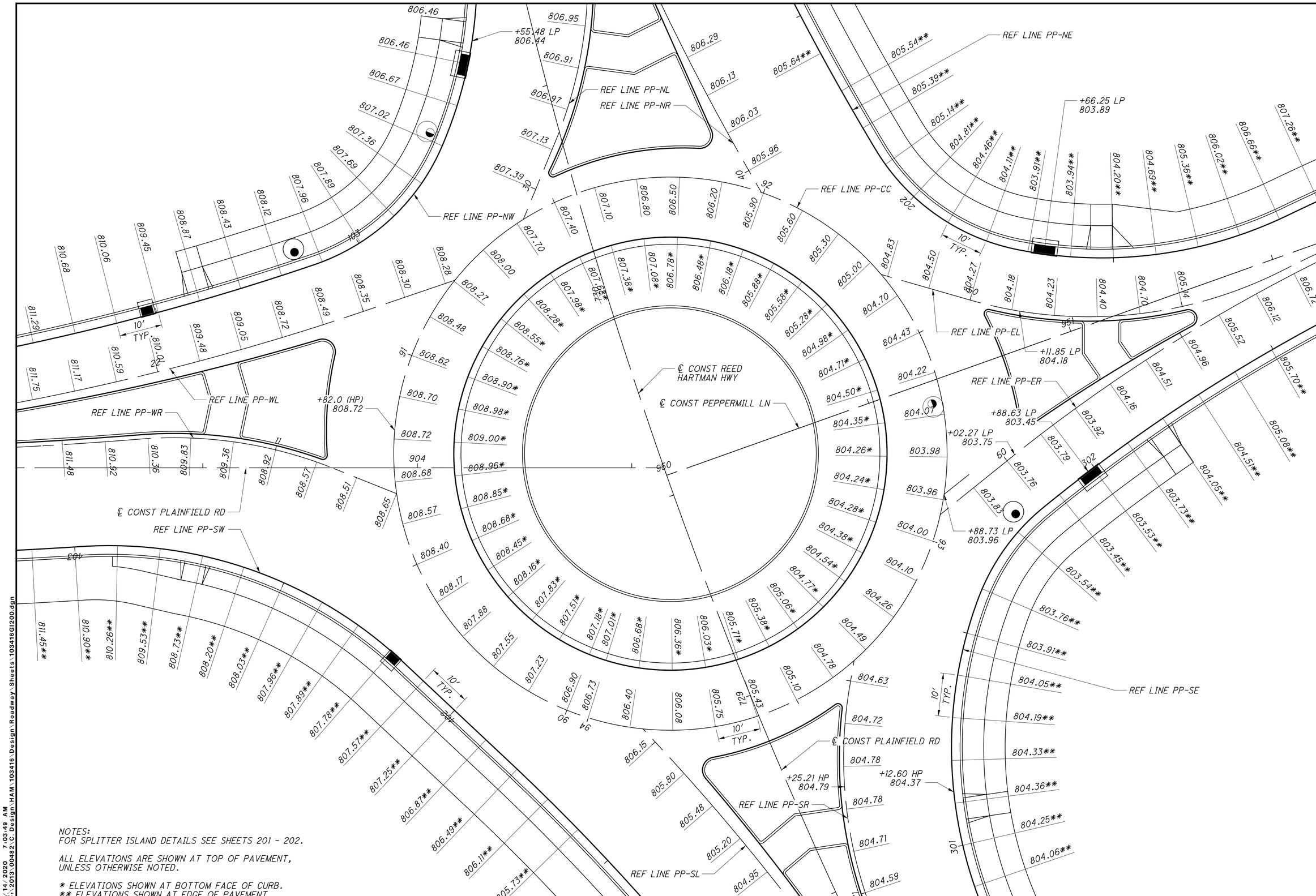
HORIZONTAL SCALE IN FEET 0 5 10 20

CALCULATED CML
CHECKED JS

ROUNDABOUT DETAIL
PLAINFIELD RD & HUNT RD

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:03:47 AM
1/14/2020
O:\2013\00482\C Design\HAM\103416\Design\Roadway\Sheets\103416GI001.dgn



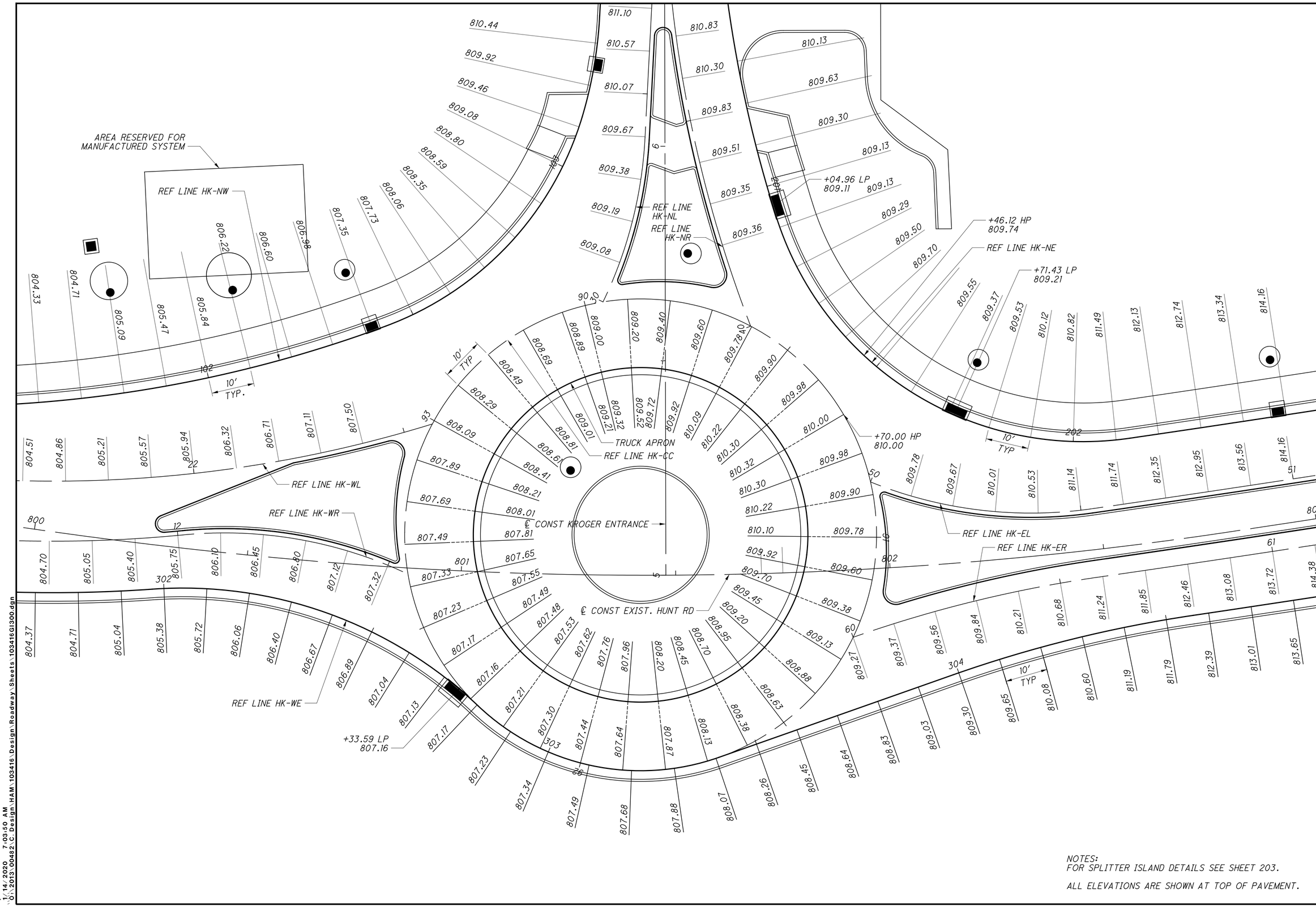
HORIZONTAL SCALE IN FEET 0 5 10 20

CALCULATED CML
CHECKED JS

ROUNDABOUT DETAIL
PLAINFIELD RD & PEPPERMILL LN

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:03:49 AM
1/14/2020
O:\2013\00482.C Design\HAM\103416\Design\Roadway\Sheets\103416GI200.dgn



NOTES:
FOR SPLITTER ISLAND DETAILS SEE SHEET 203.

ALL ELEVATIONS ARE SHOWN AT TOP OF PAVEMENT.

HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED CML
CHECKED JS

ROUNDABOUT DETAIL
HUNT RD & KROGER ENTRANCE

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:03:50 AM
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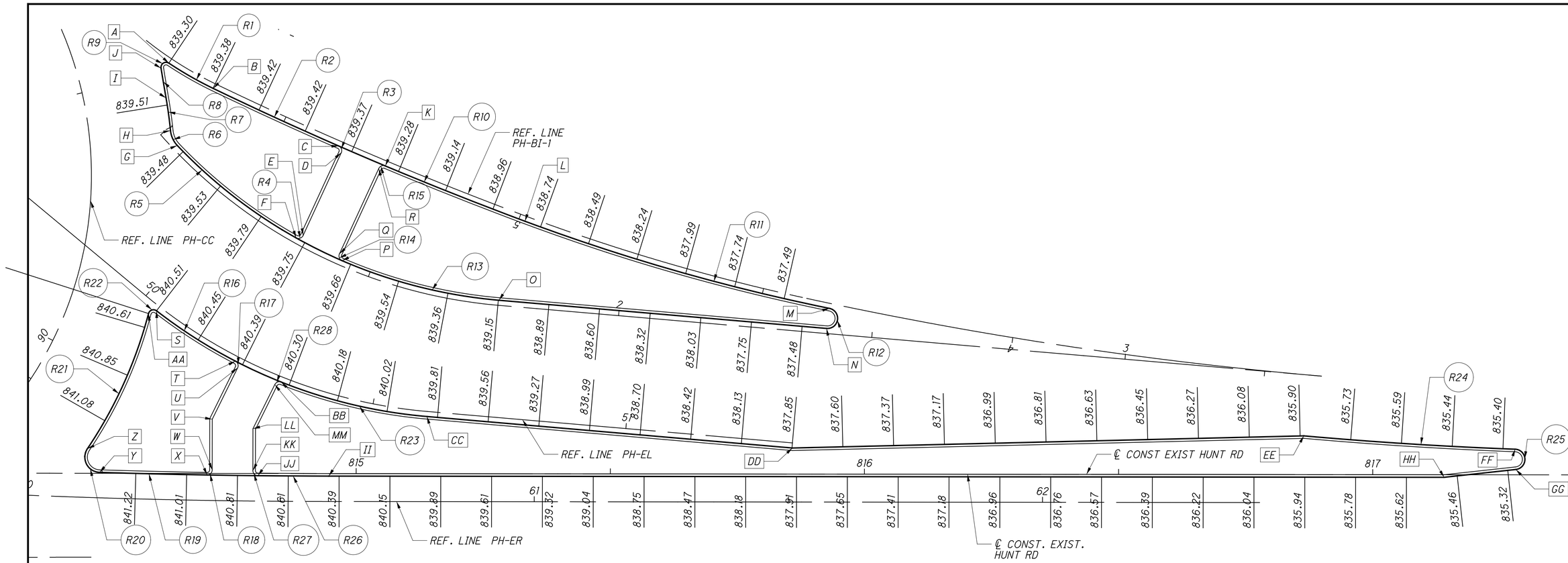

EAST ISLANDS

CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R1	73.00	7° 54′ 40″	5.05	10.08
R2	723.00	2° 08′ 59″	13.57	27.13
R3	1.00	91° 11′ 49″	1.02	1.59
R4	1.00	94° 31′ 41″	1.08	1.65
R5	99.00	17° 10′ 52″	14.96	29.69
R6	5.00	37° 49′ 39″	1.71	3.3
R7	89.00	4° 09′ 51″	3.24	6.47
R8	498.00	0° 40′ 58″	2.97	5.94
R9	1.00	132° 48′ 31″	2.29	2.32
R10	723.00	2° 20′ 31″	14.78	29.55
R11	401.00	8° 54′ 42″	31.25	62.37
R12	2.00	173° 24′ 20″	34.72	6.05
R13	99.00	18° 30′ 54″	16.14	31.99
R14	1.00	91° 19′ 17″	1.02	1.59
R15	1.00	88° 00′ 42″	0.97	1.54

CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R16	101.00	10° 27′ 30″	9.24	18.44
R17	1.00	89° 01′ 48″	0.98	1.55
R18	1.00	90° 55′ 05″	1.02	1.59
R19	1495.00	0° 48′ 37″	10.57	21.14
R20	3.00	122° 11′ 38″	5.43	6.4
R21	87.00	19° 17′ 37″	14.79	29.3
R22	1.00	113° 05′ 02″	1.51	1.97
R23	101.00	16° 46′ 38″	14.89	29.57
R24	812.00	2° 56′ 27″	20.84	41.68
R25	2.00	171° 38′ 06″	27.35	5.99
R26	1495.00	0° 32′ 05″	6.97	13.95
R27	1.00	89° 27′ 55″	0.99	1.56
R28	1.00	85° 20′ 52″	0.92	1.49

A — STA 5+75.25 (BI-1), 1.0′ LT
ELEV = 839.30

B — STA 5+65.31 (BI-1), 1.0′ LT
ELEV = 839.38

C — STA 5+38.22 (BI-1), 1.0′ LT
ELEV = 839.38

D — STA 5+37.22 (BI-1), 2.0′ LT
ELEV = 839.41

E — STA 1+34.79 (BI-1), 2.1′ LT
ELEV = 839.73

F — STA 1+33.77 (BI-1), 1.0′ LT
ELEV = 839.76

G — STA 1+03.78 (BI-1), 1.0′ LT
ELEV = 839.65

H — STA 90+40.88 (CC), 16.0′ RT
ELEV = 839.71

I — STA 90+46.18 (CC), 16.0′ RT
ELEV = 839.47

J — STA 90+51.04 (CC), 16.2′ RT
ELEV = 839.35

K — STA 5+28.24 (BI-1), 1.0′ LT
ELEV = 839.31

L — STA 4+98.73 (BI-1), 1.0′ LT
ELEV = 838.82

M — STA 4+36.51 (BI-1), 1.0′ LT
ELEV = 837.27

N — STA 2+40.98 (BI-1), 1.0′ LT
ELEV = 837.35

O — STA 1+76.29 (BI-1), 1.0′ LT
ELEV = 839.14

P — STA 1+43.98 (BI-1), 1.0′ LT
ELEV = 839.68

Q — STA 1+42.96 (BI-1), 2.0′ LT
ELEV = 839.65

R — STA 5+29.24 (BI-1), 2.0′ LT
ELEV = 839.34

S — STA 50+03.47 (EL), 1.0′ RT
ELEV = 840.51

T — STA 50+21.72 (EL), 1.0′ RT
ELEV = 840.39

U — STA 50+22.70 (EL), 2.0′ RT
ELEV = 840.42

V — STA 60+36.39 (ER), 16.0′ LT
ELEV = 840.67

W — STA 60+36.55 (ER), 6.0′ LT
ELEV = 840.89

X — STA 60+35.54 (ER), 5.0′ LT
ELEV = 840.93

Y — STA 60+14.33 (ER), 5.0′ LT
ELEV = 841.38

Z — STA 94+45.59 (CC), 17.0′ RT
ELEV = 841.25

AA — STA 90+10.84 (CC), 15.5′ RT
ELEV = 840.56

BB — STA 50+31.53 (EL), 1.0′ RT
ELEV = 840.32

CC — STA 50+31.53 (EL), 1.0′ RT
ELEV = 840.32

DD — STA 51+32.92 (EL), 1.0′ RT
ELEV = 837.86

EE — STA 816+86.43 (HUNT), 7.6′ LT
ELEV = 835.89

FF — STA 817+28.02 (HUNT), 5.0′ LT
ELEV = 835.37

GG — STA 817+28.17 (HUNT), 1.1′ LT
ELEV = 835.30

HH — STA 817+14.05 (HUNT), 0.5′ RT
ELEV = 835.50

II — STA 60+59.58 (ER), 5.0′ LT
ELEV = 840.44

JJ — STA 60+45.58 (ER), 5.0′ LT
ELEV = 840.73

KK — STA 60+44.58 (ER), 6.0′ LT
ELEV = 840.70

LL — STA 60+44.50 (ER), 14.2′ LT
ELEV = 840.54

MM — STA 50+30.56 (EL), 1.9′ RT
ELEV = 840.35

HORIZONTAL SCALE IN FEET 0 5 10 20

CALCULATED CML
CHECKED JS

SPLITTER ISLAND DETAILS
HAM-PLAINFIELD RD & HUNT RD
HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:03:52 AM
1/14/2020
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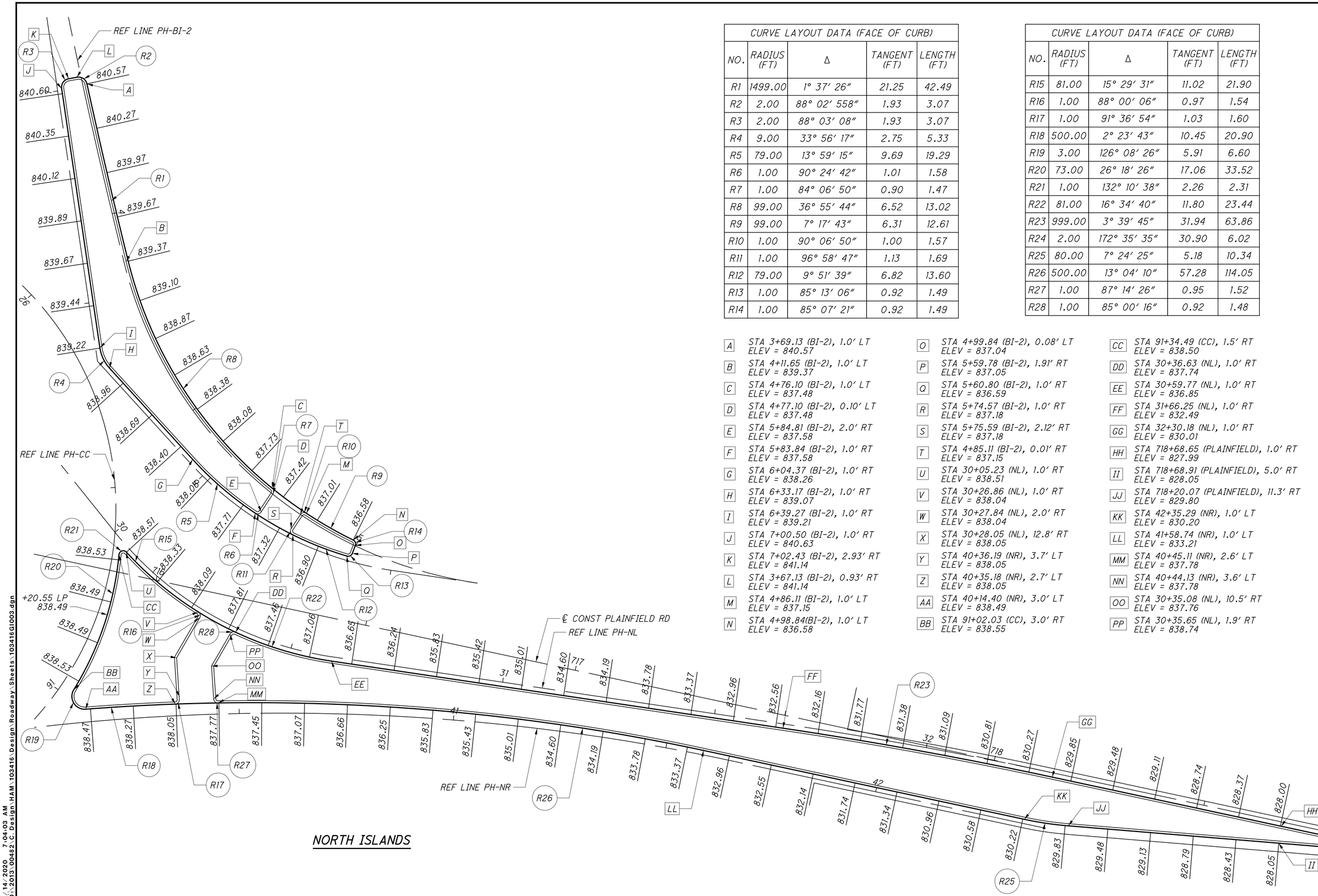

CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R1	1499.00	1° 37′ 26″	21.25	42.49
R2	2.00	88° 02′ 558″	1.93	3.07
R3	2.00	88° 03′ 08″	1.93	3.07
R4	9.00	33° 56′ 17″	2.75	5.33
R5	79.00	13° 59′ 15″	9.69	19.29
R6	1.00	90° 24′ 42″	1.01	1.58
R7	1.00	84° 06′ 50″	0.90	1.47
R8	99.00	36° 55′ 44″	6.52	13.02
R9	99.00	7° 17′ 43″	6.31	12.61
R10	1.00	90° 06′ 50″	1.00	1.57
R11	1.00	96° 58′ 47″	1.13	1.69
R12	79.00	9° 51′ 39″	6.82	13.60
R13	1.00	85° 13′ 06″	0.92	1.49
R14	1.00	85° 07′ 21″	0.92	1.49

CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R15	81.00	15° 29′ 31″	11.02	21.90
R16	1.00	88° 00′ 06″	0.97	1.54
R17	1.00	91° 36′ 54″	1.03	1.60
R18	500.00	2° 23′ 43″	10.45	20.90
R19	3.00	126° 08′ 26″	5.91	6.60
R20	73.00	26° 18′ 26″	17.06	33.52
R21	1.00	132° 10′ 38″	2.26	2.31
R22	81.00	16° 34′ 40″	11.80	23.44
R23	999.00	3° 39′ 45″	31.94	63.86
R24	2.00	172° 35′ 35″	30.90	6.02
R25	80.00	7° 24′ 25″	5.18	10.34
R26	500.00	13° 04′ 10″	57.28	114.05
R27	1.00	87° 14′ 26″	0.95	1.52
R28	1.00	85° 00′ 16″	0.92	1.48

A STA 3+69.13 (BI-2), 1.0′ LT ELEV = 840.57
B STA 4+11.65 (BI-2), 1.0′ LT ELEV = 839.37
C STA 4+76.10 (BI-2), 1.0′ LT ELEV = 837.48
D STA 4+77.10 (BI-2), 0.10′ LT ELEV = 837.48
E STA 5+84.81 (BI-2), 2.0′ RT ELEV = 837.58
F STA 5+83.84 (BI-2), 1.0′ RT ELEV = 837.58
G STA 6+04.37 (BI-2), 1.0′ RT ELEV = 838.26
H STA 6+33.17 (BI-2), 1.0′ RT ELEV = 839.07
I STA 6+39.27 (BI-2), 1.0′ RT ELEV = 839.21
J STA 7+00.50 (BI-2), 1.0′ RT ELEV = 840.63
K STA 7+02.43 (BI-2), 2.93′ RT ELEV = 841.14
L STA 3+67.13 (BI-2), 0.93′ RT ELEV = 841.14
M STA 4+86.11 (BI-2), 1.0′ LT ELEV = 837.15
N STA 4+98.84(BI-2), 1.0′ LT ELEV = 836.58
O STA 4+99.84 (BI-2), 0.08′ LT ELEV = 837.04
P STA 5+59.78 (BI-2), 1.91′ RT ELEV = 837.05
Q STA 5+60.80 (BI-2), 1.0′ RT ELEV = 836.59
R STA 5+74.57 (BI-2), 1.0′ RT ELEV = 837.18
S STA 5+75.59 (BI-2), 2.12′ RT ELEV = 837.18
T STA 4+85.11 (BI-2), 0.01′ RT ELEV = 837.15
U STA 30+05.23 (NL), 1.0′ RT ELEV = 838.51
V STA 30+26.86 (NL), 1.0′ RT ELEV = 838.04
W STA 30+27.84 (NL), 2.0′ RT ELEV = 838.04
X STA 30+28.05 (NL), 12.8′ RT ELEV = 838.05
Y STA 40+36.19 (NR), 3.7′ LT ELEV = 838.05
Z STA 40+35.18 (NR), 2.7′ LT ELEV = 838.05
AA STA 40+14.40 (NR), 3.0′ LT ELEV = 838.49
BB STA 91+02.03 (CC), 3.0′ RT ELEV = 838.55
CC STA 91+34.49 (CC), 1.5′ RT ELEV = 838.50
DD STA 30+36.63 (NL), 1.0′ RT ELEV = 837.74
EE STA 30+59.77 (NL), 1.0′ RT ELEV = 836.85
FF STA 31+66.25 (NL), 1.0′ RT ELEV = 832.49
GG STA 32+30.18 (NL), 1.0′ RT ELEV = 830.01
HH STA 718+68.65 (PLAINFIELD), 1.0′ RT ELEV = 827.99
II STA 718+68.91 (PLAINFIELD), 5.0′ RT ELEV = 828.05
JJ STA 718+20.07 (PLAINFIELD), 11.3′ RT ELEV = 829.80
KK STA 42+35.29 (NR), 1.0′ LT ELEV = 830.20
LL STA 41+58.74 (NR), 1.0′ LT ELEV = 833.21
MM STA 40+45.11 (NR), 2.6′ LT ELEV = 837.78
NN STA 40+44.13 (NR), 3.6′ LT ELEV = 837.78
OO STA 30+35.08 (NL), 10.5′ RT ELEV = 837.76
PP STA 30+35.65 (NL), 1.9′ RT ELEV = 838.74

HORIZONTAL SCALE IN FEET 0 5 10 20

CALCULATED CML
CHECKED JS

SPLITTER ISLAND DETAILS
PLAINFIELD RD & HUNT RD

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:04:03 AM
11/14/2020
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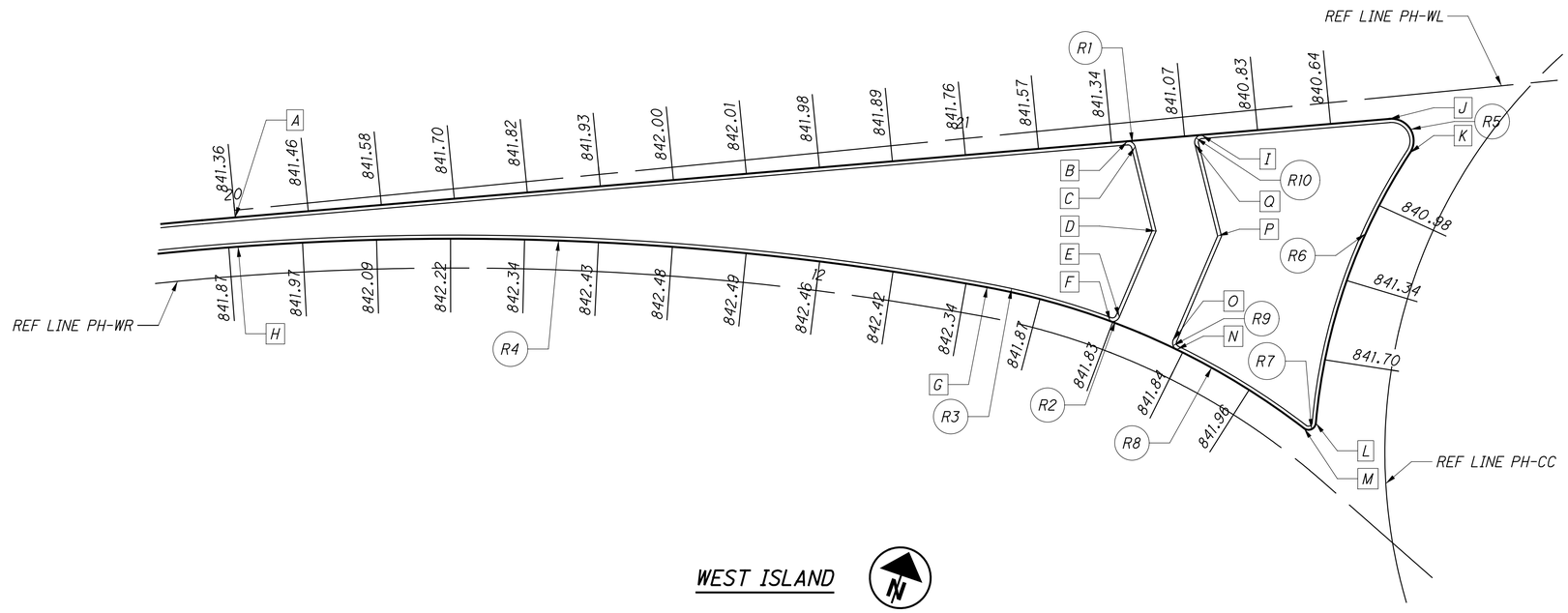
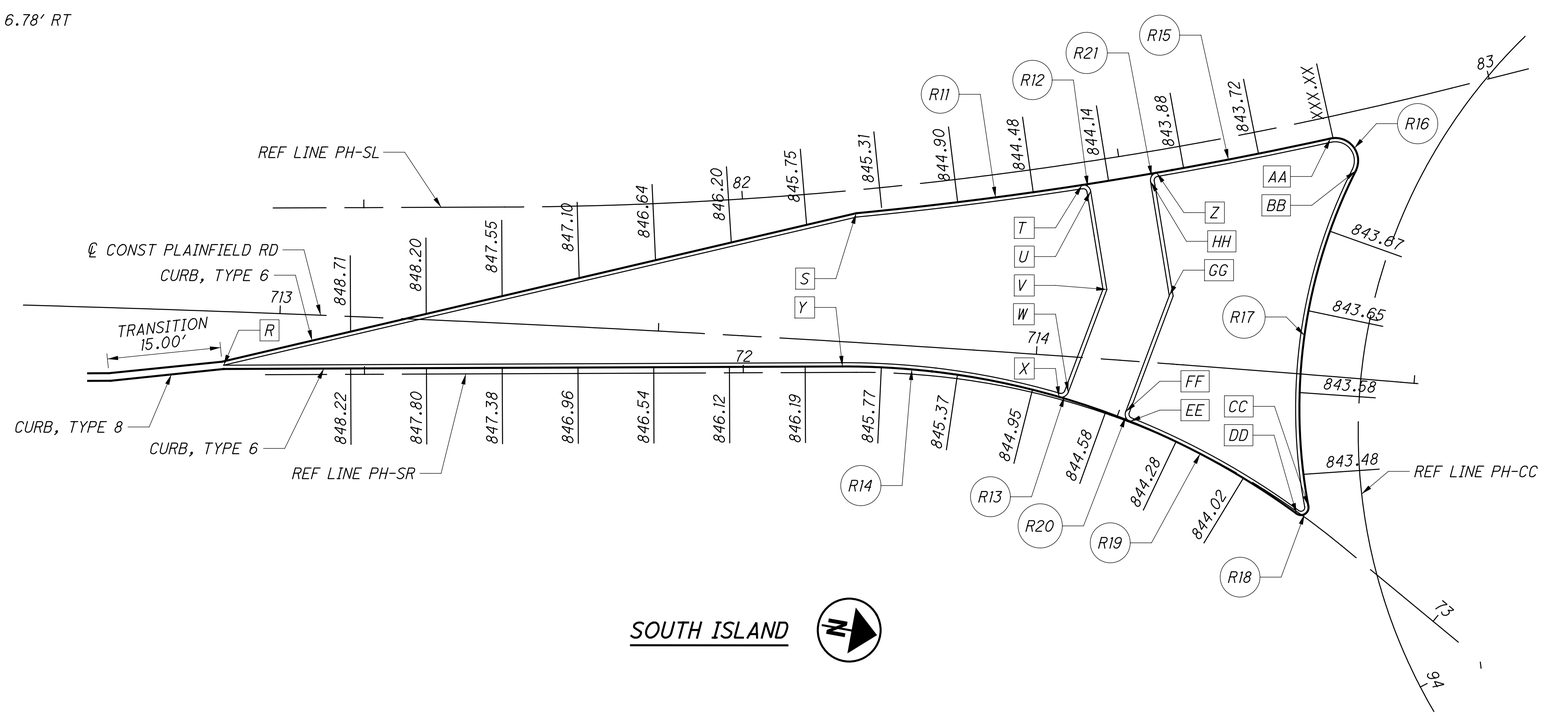
CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R1	1.00	80° 56′ 51″	0.85	1.41
R2	1.00	87° 11′ 25″	0.95	1.52
R3	101.00	9° 52′ 59″	8.73	17.42
R4	401.00	32° 10′ 04″	115.62	225.13
R5	3.00	128° 57′ 24″	6.28	6.75
R6	80.00	28° 16′ 22″	20.15	39.48
R7	1.00	122° 28′ 32″	1.82	2.14
R8	101.00	11° 36′ 41″	10.27	20.47
R9	1.00	87° 11′ 25″	0.95	1.52
R10	1.00	99° 03′ 09″	1.17	1.73

- A — STA 20+00.00 (WL), 1.0′ RT ELEV = 841.36
- B — STA 21+22.18 (WL), 2.5′ RT ELEV = 841.28
- C — STA 21+23.16 (WL), 3.4′ RT ELEV = 841.31
- D — STA 21+24.87 (WL), 15.1′ RT ELEV = 841.54
- E — STA 12+40.57 (WR), 5.0′ LT ELEV = 841.79
- F — STA 12+39.62 (WR), 4.0′ LT ELEV = 841.82
- G — STA 12+22.89 (WR), 4.0′ LT ELEV = 841.89
- H — STA 11+21.28 (WR), 4.0′ LT ELEV = 841.88
- I — STA 21+32.31 (WL), 2.7′ RT ELEV = 841.01
- J — STA 21+58.12 (WL), 3.0′ RT ELEV = 840.47
- K — STA 92+22.48 (CC), 7.7′ RT ELEV = 840.71
- L — STA 92+57.74 (CC), 9.5′ RT ELEV = 841.97
- M — STA 12+68.79 (WR), 4.0′ LT ELEV = 842.13
- N — STA 12+49.13 (WR), 4.0′ LT ELEV = 841.83
- O — STA 12+48.18 (WR), 5.0′ LT ELEV = 841.79
- P — STA 21+33.18 (WL), 16.6′ RT ELEV = 841.39
- Q — STA 21+31.31 (WL), 3.8′ RT ELEV = 841.05



CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R11	525.00	3° 16′ 45″	15.03	30.05
R12	1.00	89° 27′ 19″	0.99	1.56
R13	1.00	85° 36′ 04″	0.93	1.49
R14	101.00	16° 26′ 07″	14.59	28.97
R15	525.00	2° 33′ 10″	11.70	23.39
R16	3.00	129° 03′ 51″	6.30	6.76
R17	70.00	37° 13′ 31″	23.57	45.48
R18	1.00	136° 42′ 11″	2.52	2.39
R19	101.00	14° 17′ 39″	12.66	25.20
R20	1.00	88° 46′ 38″	0.98	1.55
R21	1.00	89° 27′ 19″	0.99	1.56

- R — STA 712+94.63 (PLAINFIELD), 6.78′ RT ELEV = 848.97
- S — STA 82+16.61 (SL), 3.0′ RT ELEV = 845.46
- T — STA 82+46.49 (SL), 3.0′ RT ELEV = 844.25
- U — STA 82+47.48 (SL), 4.0′ RT ELEV = 844.28
- V — STA 82+47.57 (SL), 17.1′ RT ELEV = 844.52
- W — STA 72+44.57 (SR), 1.9′ LT ELEV = 844.78
- X — STA 72+43.60 (SR), 1.0′ LT ELEV = 844.81
- Y — STA 72+14.91 (SR), 1.0′ LT ELEV = 845.98
- Z — STA 82+56.41 (SL), 3.0′ RT ELEV = 843.96
- AA — STA 82+79.67 (SL), 3.0′ RT ELEV = 843.64
- BB — STA 93+32.05 (CC), 6.5′ RT ELEV = 843.65
- CC — STA 93+73.94 (CC), 5.3′ RT ELEV = 843.43
- DD — STA 72+78.36 (SR), 1.0′ RT ELEV = 843.44
- EE — STA 72+53.41 (SR), 1.0′ RT ELEV = 844.47
- FF — STA 72+52.43 (SR), 2.0′ LT ELEV = 844.45
- GG — STA 82+55.31 (SL), 19.3′ RT ELEV = 844.21
- HH — STA 82+55.42 (SL), 4.0′ RT ELEV = 843.98



HORIZONTAL SCALE IN FEET 0 5 10 20

CALCULATED CML
CHECKED JS

SPLITTER ISLAND DETAILS
HAM-PLAINFIELD RD ROUNDABOUTS
PLAINFIELD RD & HUNT RD

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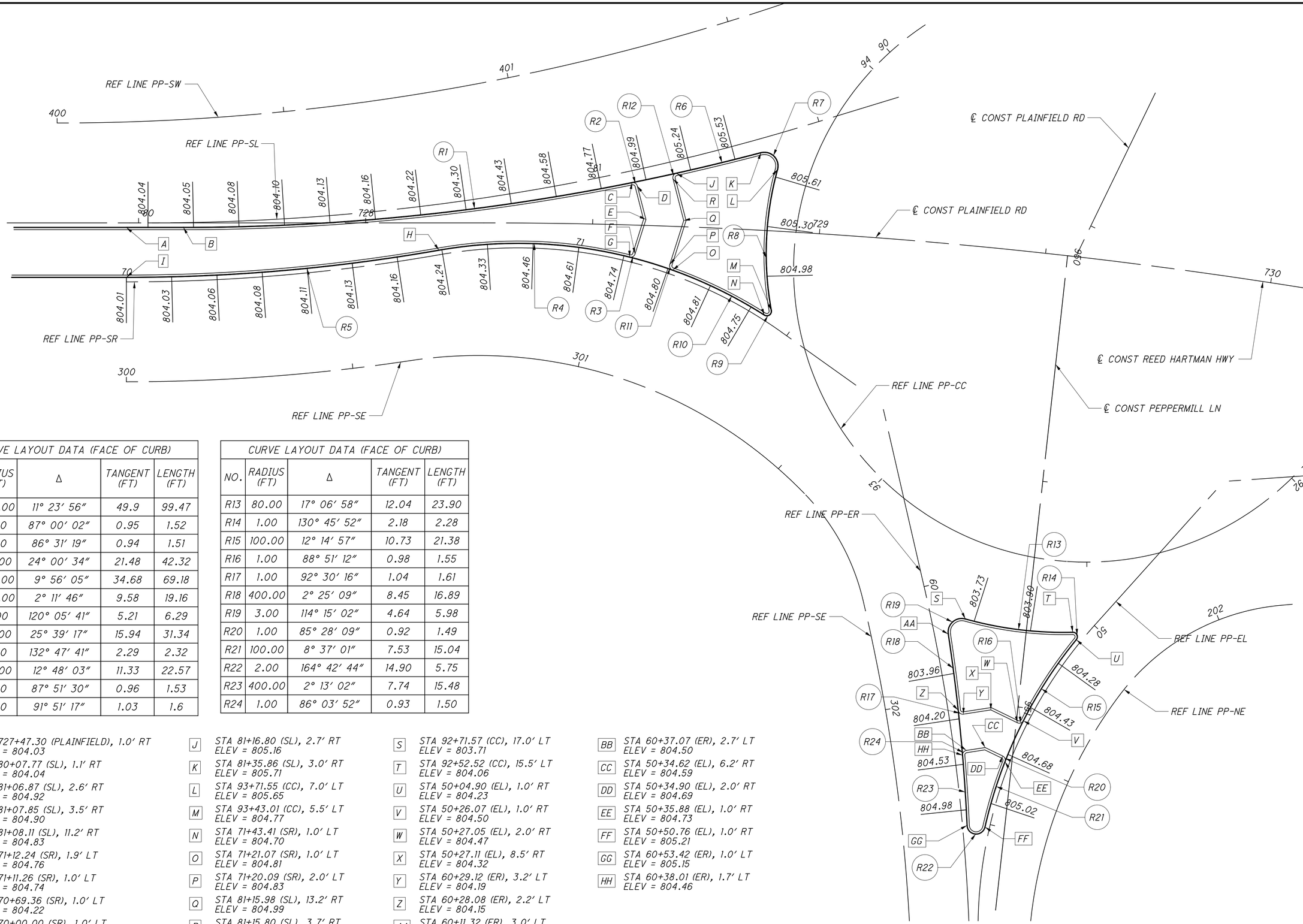

CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R1	500.00	11° 23′ 56″	49.9	99.47
R2	1.00	87° 00′ 02″	0.95	1.52
R3	1.00	86° 31′ 19″	0.94	1.51
R4	101.00	24° 00′ 34″	21.48	42.32
R5	399.00	9° 56′ 05″	34.68	69.18
R6	500.00	2° 11′ 46″	9.58	19.16
R7	3.00	120° 05′ 41″	5.21	6.29
R8	70.00	25° 39′ 17″	15.94	31.34
R9	1.00	132° 47′ 41″	2.29	2.32
R10	101.00	12° 48′ 03″	11.33	22.57
R11	1.00	87° 51′ 30″	0.96	1.53
R12	1.00	91° 51′ 17″	1.03	1.6

CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R13	80.00	17° 06′ 58″	12.04	23.90
R14	1.00	130° 45′ 52″	2.18	2.28
R15	100.00	12° 14′ 57″	10.73	21.38
R16	1.00	88° 51′ 12″	0.98	1.55
R17	1.00	92° 30′ 16″	1.04	1.61
R18	400.00	2° 25′ 09″	8.45	16.89
R19	3.00	114° 15′ 02″	4.64	5.98
R20	1.00	85° 28′ 09″	0.92	1.49
R21	100.00	8° 37′ 01″	7.53	15.04
R22	2.00	164° 42′ 44″	14.90	5.75
R23	400.00	2° 13′ 02″	7.74	15.48
R24	1.00	86° 03′ 52″	0.93	1.50

A STA 727+47.30 (PLAINFIELD), 1.0′ RT
ELEV = 804.03

B STA 80+07.77 (SL), 1.1′ RT
ELEV = 804.04

C STA 81+06.87 (SL), 2.6′ RT
ELEV = 804.92

D STA 81+07.85 (SL), 3.5′ RT
ELEV = 804.90

E STA 81+08.11 (SL), 11.2′ RT
ELEV = 804.83

F STA 71+12.24 (SR), 1.9′ LT
ELEV = 804.76

G STA 71+11.26 (SR), 1.0′ LT
ELEV = 804.74

H STA 70+69.36 (SR), 1.0′ LT
ELEV = 804.22

I STA 70+00.00 (SR), 1.0′ LT
ELEV = 804.01

J STA 81+16.80 (SL), 2.7′ RT
ELEV = 805.16

K STA 81+35.86 (SL), 3.0′ RT
ELEV = 805.71

L STA 93+71.55 (CC), 7.0′ LT
ELEV = 805.65

M STA 93+43.01 (CC), 5.5′ LT
ELEV = 804.77

N STA 71+43.41 (SR), 1.0′ LT
ELEV = 804.70

O STA 71+21.07 (SR), 1.0′ LT
ELEV = 804.81

P STA 71+20.09 (SR), 2.0′ LT
ELEV = 804.83

Q STA 81+15.98 (SL), 13.2′ RT
ELEV = 804.99

R STA 81+15.80 (SL), 3.7′ RT
ELEV = 805.14

S STA 92+71.57 (CC), 17.0′ LT
ELEV = 803.71

T STA 92+52.52 (CC), 15.5′ LT
ELEV = 804.06

U STA 50+04.90 (EL), 1.0′ RT
ELEV = 804.23

V STA 50+26.07 (EL), 1.0′ RT
ELEV = 804.50

W STA 50+27.05 (EL), 2.0′ RT
ELEV = 804.47

X STA 50+27.11 (EL), 8.5′ RT
ELEV = 804.32

Y STA 60+29.12 (ER), 3.2′ LT
ELEV = 804.19

Z STA 60+28.08 (ER), 2.2′ LT
ELEV = 804.15

AA STA 60+11.32 (ER), 3.0′ LT
ELEV = 803.85

BB STA 60+37.07 (ER), 2.7′ LT
ELEV = 804.50

CC STA 50+34.62 (EL), 6.2′ RT
ELEV = 804.59

DD STA 50+34.90 (EL), 2.0′ RT
ELEV = 804.69

EE STA 50+35.88 (EL), 1.0′ RT
ELEV = 804.73

FF STA 50+50.76 (EL), 1.0′ RT
ELEV = 805.21

GG STA 60+53.42 (ER), 1.0′ LT
ELEV = 805.15

HH STA 60+38.01 (ER), 1.7′ LT
ELEV = 804.46

HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED CML
CHECKED JS

SPLITTER ISLAND DETAILS
PLAINFIELD RD & PEPPERMILL LN

HAM-PLAINFIELD RD ROUNDABOUTS

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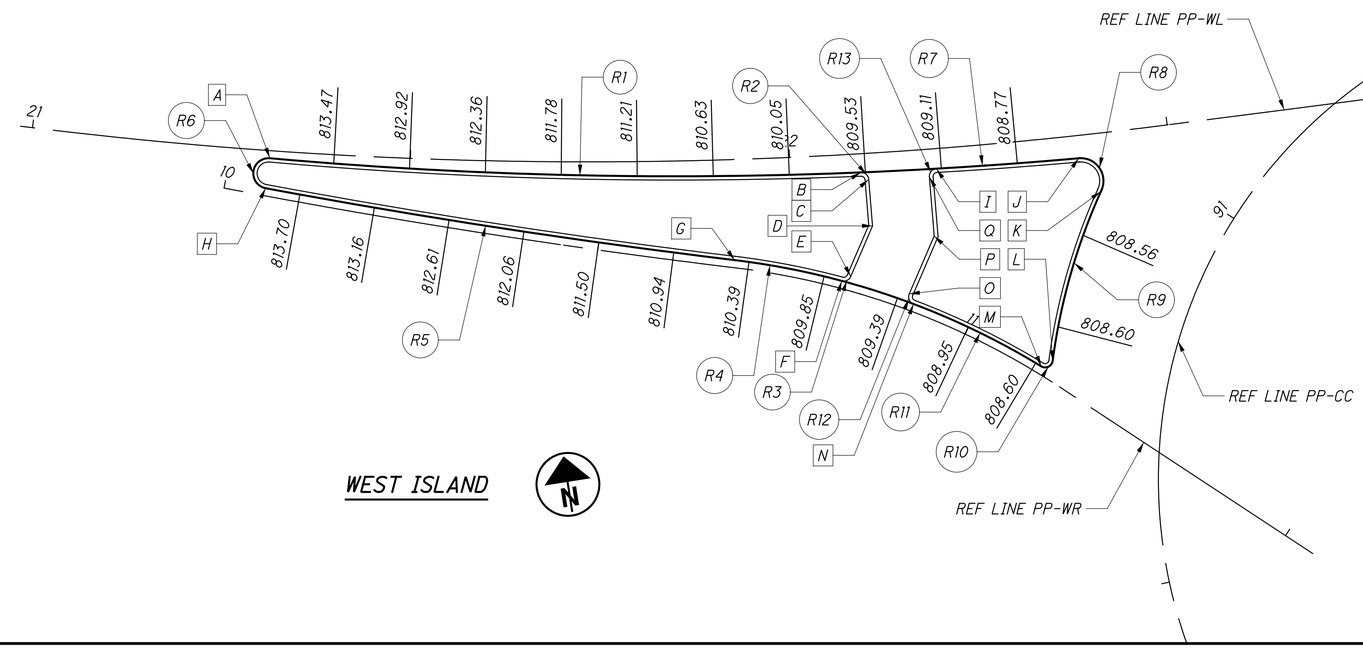
CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R1	600.00	7° 27′ 31″	39.11	78.11
R2	1.00	87° 41′ 10″	0.96	1.53
R3	1.00	81° 44′ 08″	0.87	1.43
R4	101.00	8° 10′ 37″	7.22	14.41
R5	975.00	3° 40′ 52″	31.33	62.64
R6	2.00	174° 33′ 06″	42.03	6.09
R7	600.00	1° 47′ 53″	9.41	18.83
R8	3.00	123° 56′ 31″	5.64	6.49
R9	80.00	16° 50′ 05″	11.84	23.51
R10	1.00	113° 48′ 58″	1.53	1.99
R11	101.00	10° 39′ 30″	9.42	18.79
R12	1.00	92° 37′ 11″	1.05	1.62
R13	1.00	91° 21′ 37″	1.02	1.59

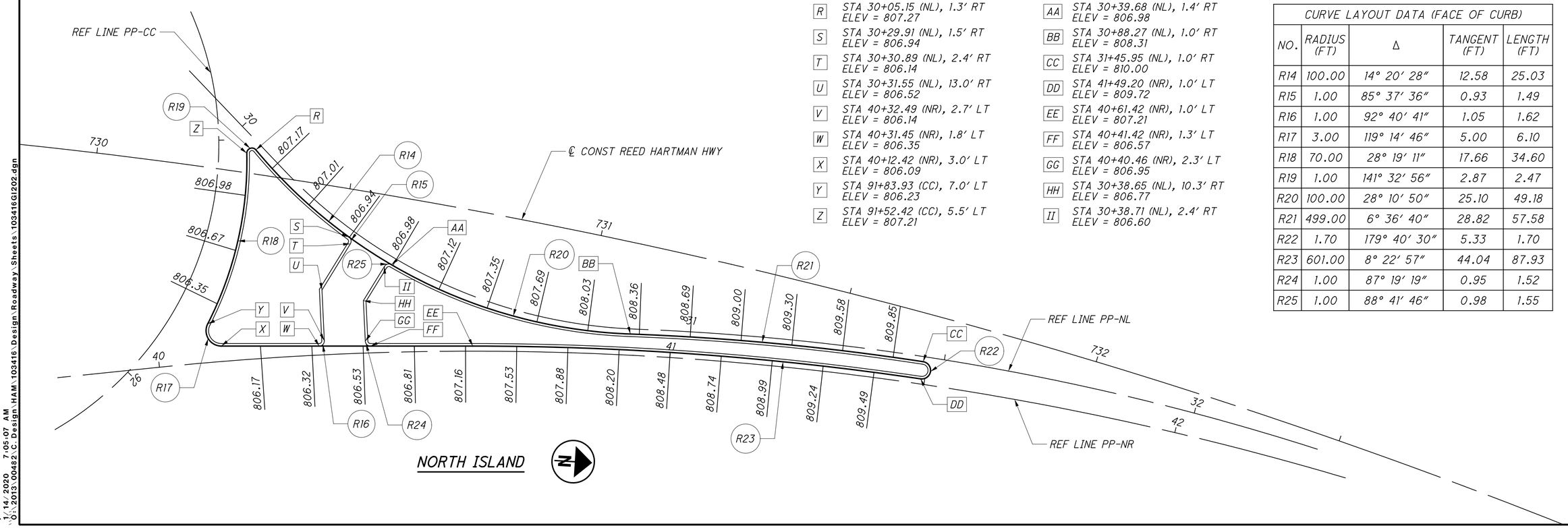
A STA 21+31.51 (WL), 1.0′ RT ELEV = 813.93
B STA 22+09.29 (WL), 2.5′ RT ELEV = 809.56
C STA 22+10.26 (WL), 3.4′ RT ELEV = 809.58
D STA 22+10.39 (WL), 9.6′ RT ELEV = 809.64
E STA 10+83.33 (WR), 1.9′ LT ELEV = 809.72
F STA 10+82.36 (WR), 1.0′ LT ELEV = 809.74
G STA 10+68.09 (WR), 1.0′ LT ELEV = 810.49
H STA 10+05.41 (WR), 1.0′ LT ELEV = 813.94
I STA 22+19.22 (WL), 2.7′ RT ELEV = 809.13
J STA 22+37.94 (WL), 3.0′ RT ELEV = 808.58
K STA 90+94.95 (CC), 17.0′ LT ELEV = 808.31
L STA 90+76.36 (CC), 15.5′ LT ELEV = 808.38
M STA 11+10.81 (WR), 1.0′ LT ELEV = 808.57
N STA 10+92.21 (WR), 1.0′ LT ELEV = 809.29
O STA 10+91.23 (WR), 2.1′ LT ELEV = 808.62
P STA 22+18.26 (WL), 11.5′ RT ELEV = 808.86
Q STA 22+18.21 (WL), 3.7′ RT ELEV = 809.08



R STA 30+05.15 (NL), 1.3′ RT ELEV = 807.27
S STA 30+29.91 (NL), 1.5′ RT ELEV = 806.94
T STA 30+30.89 (NL), 2.4′ RT ELEV = 806.14
U STA 30+31.55 (NL), 13.0′ RT ELEV = 806.52
V STA 40+32.49 (NR), 2.7′ LT ELEV = 806.14
W STA 40+31.45 (NR), 1.8′ LT ELEV = 806.35
X STA 40+12.42 (NR), 3.0′ LT ELEV = 806.09
Y STA 91+83.93 (CC), 7.0′ LT ELEV = 806.23
Z STA 91+52.42 (CC), 5.5′ LT ELEV = 807.21

AA STA 30+39.68 (NL), 1.4′ RT ELEV = 806.98
BB STA 30+88.27 (NL), 1.0′ RT ELEV = 808.31
CC STA 31+45.95 (NL), 1.0′ RT ELEV = 810.00
DD STA 41+49.20 (NR), 1.0′ LT ELEV = 809.72
EE STA 40+61.42 (NR), 1.0′ LT ELEV = 807.21
FF STA 40+41.42 (NR), 1.3′ LT ELEV = 806.57
GG STA 40+40.46 (NR), 2.3′ LT ELEV = 806.95
HH STA 30+38.65 (NL), 10.3′ RT ELEV = 806.77
II STA 30+38.71 (NL), 2.4′ RT ELEV = 806.60

CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R14	100.00	14° 20′ 28″	12.58	25.03
R15	1.00	85° 37′ 36″	0.93	1.49
R16	1.00	92° 40′ 41″	1.05	1.62
R17	3.00	119° 14′ 46″	5.00	6.10
R18	70.00	28° 19′ 11″	17.66	34.60
R19	1.00	141° 32′ 56″	2.87	2.47
R20	100.00	28° 10′ 50″	25.10	49.18
R21	499.00	6° 36′ 40″	28.82	57.58
R22	1.70	179° 40′ 30″	5.33	1.70
R23	601.00	8° 22′ 57″	44.04	87.93
R24	1.00	87° 19′ 19″	0.95	1.52
R25	1.00	88° 41′ 46″	0.98	1.55



SPLITTER ISLAND DETAILS
PLAINFIELD RD & PEPPERMILL LN

HAM-PLAINFIELD RD ROUNDABOUTS

HORIZONTAL SCALE IN FEET 0 5 10 20

CALCULATED CML
CHECKED JS

jschmeltzer
1/14/2020 7:05:07 AM
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CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R8	1.00	121 ° 07′ 51″	1.77	2.11
R9	101.00	15 ° 16′ 58″	13.55	26.94
R10	1.00	103 ° 21′ 49″	1.27	1.8
R11	1.00	90 ° 47′ 11″	1.01	1.59
R12	301.00	4 ° 15′ 05″	11.17	22.34
R13	3.00	120 ° 36′ 25″	5.26	6.32
R14	55.00	21 ° 37′ 04″	10.50	20.75
R15	2.00	169 ° 25′ 36″	21.61	5.91
R16	301.00	3 ° 49′ 41″	10.06	20.11
R17	1.00	86 ° 56′ 07″	0.95	1.52
R18	1.00	72 ° 43′ 48″	0.74	1.27

H STA 90+09.10 (CC), 3.5′ LT ELEV = 809.13

I STA 30+06.34 (NL), 1.0′ RT ELEV = 809.09

J STA 30+33.02 (NL), 1.0′ RT ELEV = 809.48

K STA 30+33.97 (NL), 2.2′ RT ELEV = 809.57

L STA 40+39.34 (NR), 6.3′ LT ELEV = 809.97

M STA 40+39.41 (NR), 2.0′ LT ELEV = 810.01

N STA 40+38.42 (NR), 1.0′ LT ELEV = 809.49

O STA 40+16.15 (NR), 1.0′ LT ELEV = 809.41

P STA 40+14.06 (NR), 1.0′ LT ELEV = 809.45

Q STA 90+28.29 (CC), 5.0′ LT ELEV = 809.49

R STA 30+45.38 (NL), 1.0′ RT ELEV = 809.90

S STA 30+63.67 (NL), 1.0′ RT ELEV = 810.79

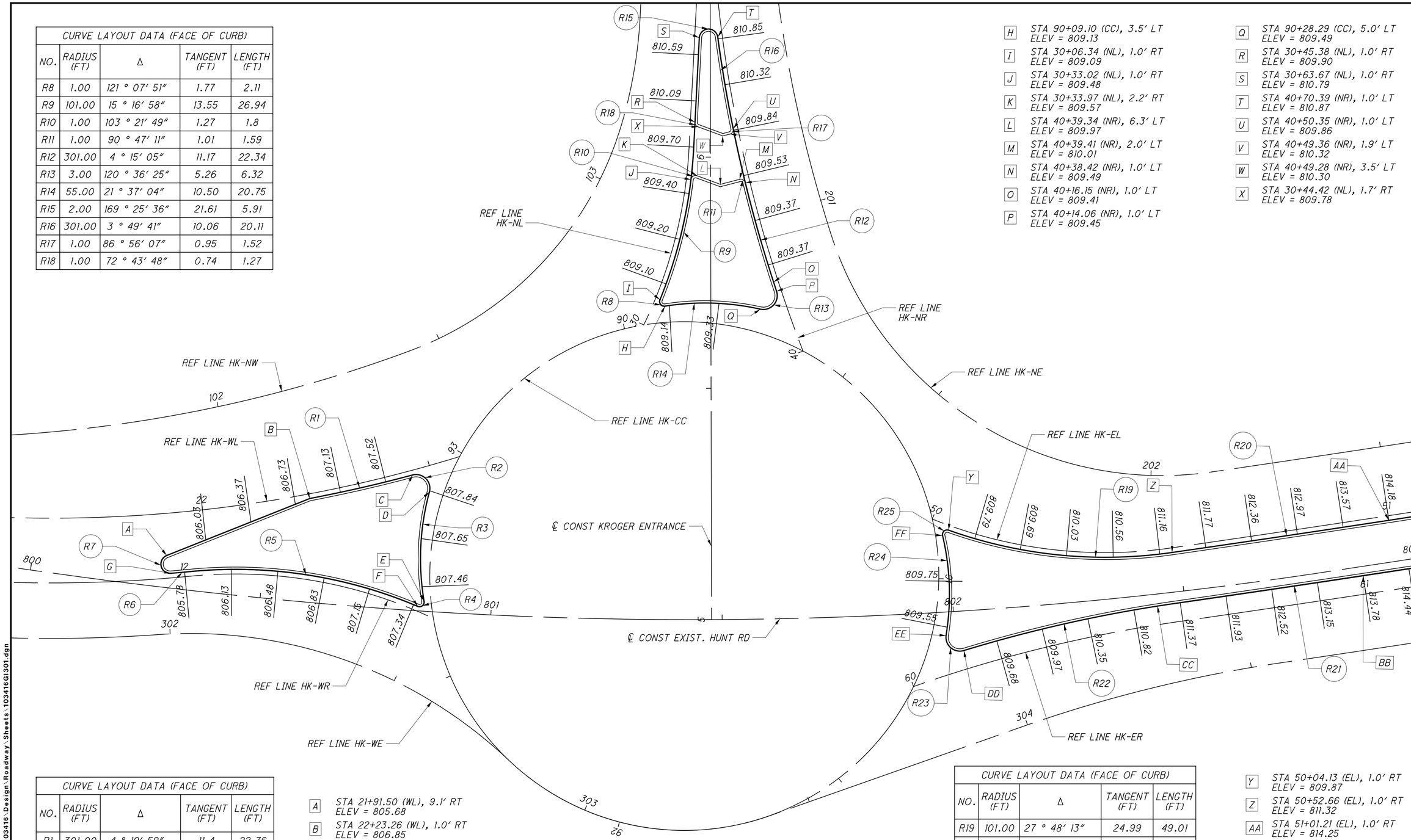
T STA 40+70.39 (NR), 1.0′ LT ELEV = 810.87

U STA 40+50.35 (NR), 1.0′ LT ELEV = 809.86

V STA 40+49.36 (NR), 1.9′ LT ELEV = 810.32

W STA 40+49.28 (NR), 3.5′ LT ELEV = 810.30

X STA 30+44.42 (NL), 1.7′ RT ELEV = 809.78



CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R1	301.00	4 ° 19′ 59″	11.4	22.76
R2	3.00	120 ° 16′ 33″	5.23	6.3
R3	55.00	24 ° 50′ 34″	12.11	23.85
R4	1.00	122 ° 35′ 05″	1.83	2.14
R5	101.00	28 ° 29′ 48″	25.65	50.23
R6	313.00	0 ° 46′ 13″	2.1	4.21
R7	2.00	163 ° 01′ 48″	13.41	5.69

A STA 21+91.50 (WL), 9.1′ RT ELEV = 805.68

B STA 22+23.26 (WL), 1.0′ RT ELEV = 806.85

C STA 22+45.95 (WL), 1.0′ RT ELEV = 807.73

D STA 92+89.74 (CC), 3.0′ LT ELEV = 807.84

E STA 92+66.89 (CC), 1.5′ LT ELEV = 807.41

F STA 12+50.97 (WR), 1.0′ LT ELEV = 807.35

G STA 11+97.02 (WR), 1.0′ LT ELEV = 805.66

CURVE LAYOUT DATA (FACE OF CURB)				
NO.	RADIUS (FT)	Δ	TANGENT (FT)	LENGTH (FT)
R19	101.00	27 ° 48′ 13″	24.99	49.01
R20	5720.54	0 ° 32′ 50″	27.31	54.62
R21	5731.54	0 ° 32′ 28″	27.07	54.14
R22	304.00	8 ° 47′ 27″	23.34	46.60
R23	3.00	116 ° 13′ 36″	4.82	6.09
R24	55.00	22 ° 33′ 08″	10.97	23.99
R25	1.00	122 ° 54′ 31″	1.84	2.15

Y STA 50+04.13 (EL), 1.0′ RT ELEV = 809.87

Z STA 50+52.66 (EL), 1.0′ RT ELEV = 811.32

AA STA 51+01.21 (EL), 1.0′ RT ELEV = 814.25

BB STA 61+00.00 (ER), 4.0′ LT ELEV = 813.78

CC STA 60+58.72 (ER), 4.0′ LT ELEV = 811.30

DD STA 60+12.69 (ER), 4.0′ LT ELEV = 809.50

EE STA 91+11.72 (CC), 3.0′ LT ELEV = 809.52

FF STA 90+90.88 (CC), 1.5′ LT ELEV = 809.87

N

HORIZONTAL SCALE IN FEET 0 5 10 20

CALCULATED CML
CHECKED JS

SPLITTER ISLAND DETAILS
HUNT RD & KROGER ENTRANCE

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:05:10 AM
01/14/2020
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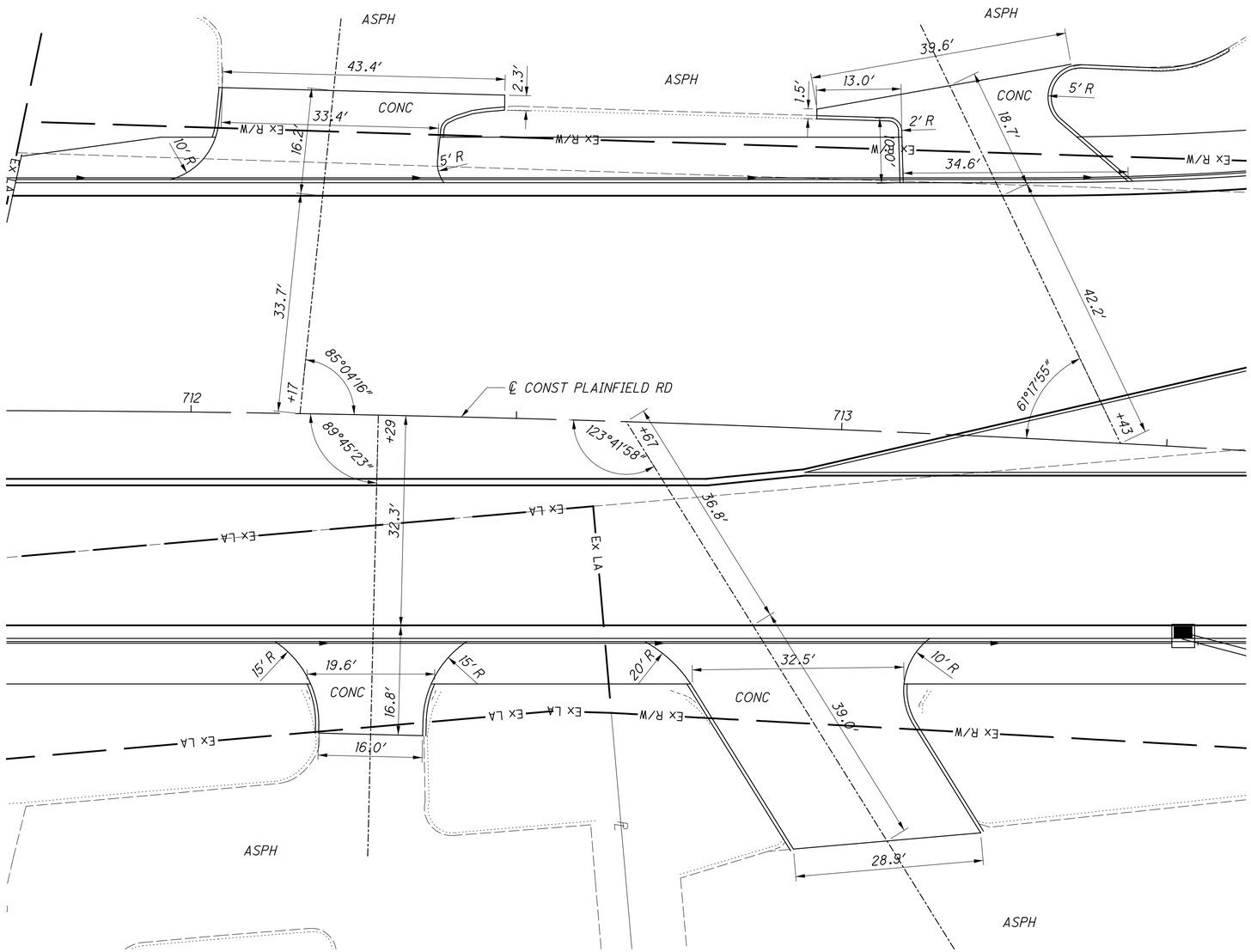
COMMERCIAL DRIVE
PLAINFIELD RD
STA. 712+17 LT - CONCRETE

COMMERCIAL DRIVE
PLAINFIELD RD
STA. 713+43 LT - CONCRETE



COMMERCIAL DRIVE
PLAINFIELD RD
STA. 712+29 RT - CONCRETE

COMMERCIAL DRIVE
PLAINFIELD RD
STA. 712+67 RT - CONCRETE

RESIDENTIAL DRIVE BUILD-UP

EXISTING ASPHALT DRIVE

ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT (APRON)
ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22
ITEM 407 - TACK COAT (0.04 GAL/SY)
ITEM 301 - 3.5" ASPHALT CONCRETE BASE, PG64-22

EXISTING CONCRETE DRIVES

ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT

COMMERCIAL DRIVE BUILD-UP

EXISTING ASPHALT DRIVE

ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG64-22
ITEM 407 - TACK COAT (0.04 GAL/SY)
ITEM 301 - 5" ASPHALT CONCRETE BASE

EXISTING CONCRETE DRIVES

ITEM 452 - 8" NON-REINFORCED CONCRETE PAVEMENT

N

HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED CML
CHECKED JS

DRIVE DETAILS
PLAINFIELD RD

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
10/14/2020 7:05:14 AM
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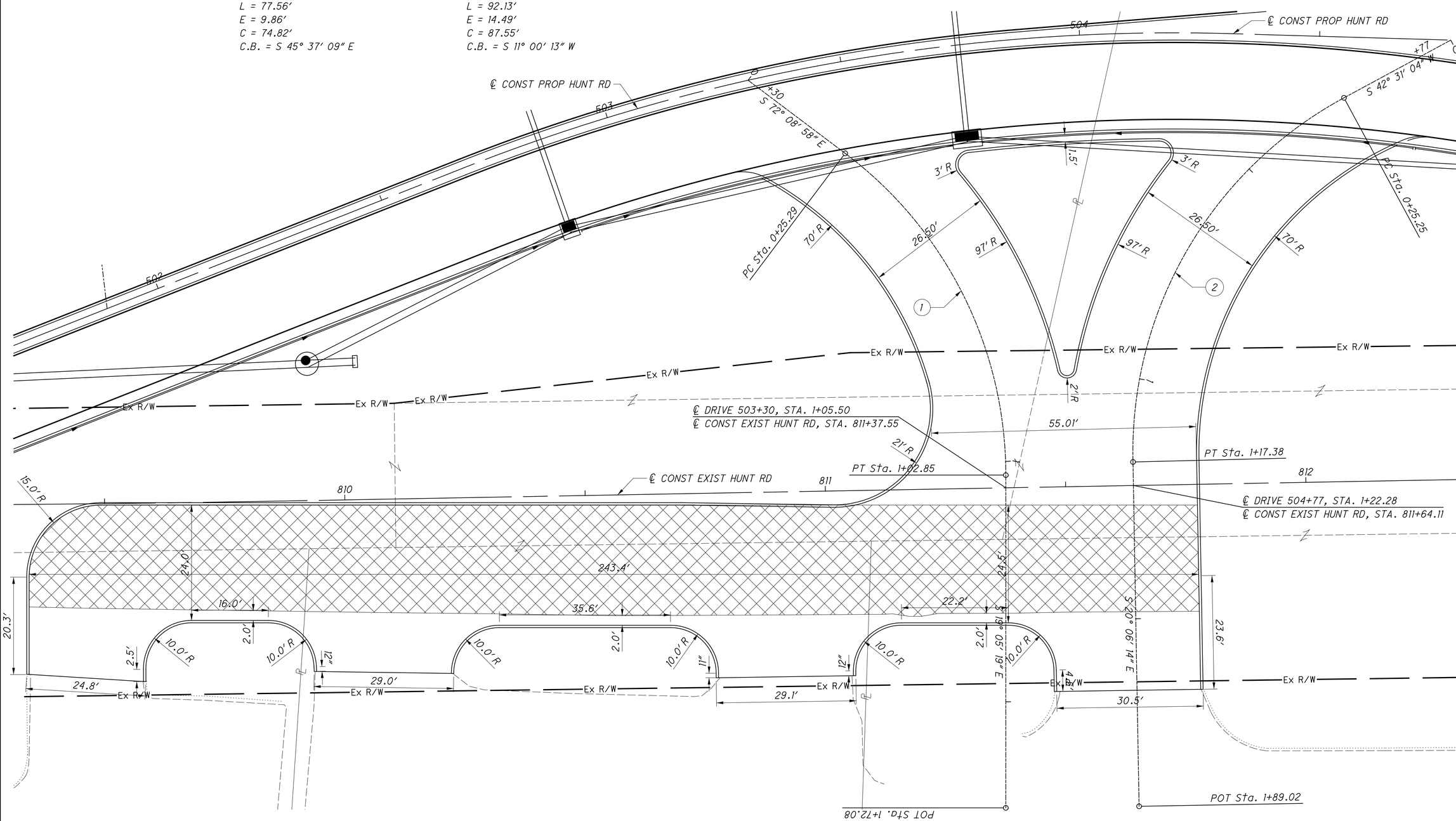
(1) ℄ DRIVE STA. 503+30, CURVE 1
P.I. Sta. 0+67.10
Δ = 53° 03′ 38″ (RT)
Dc = 68° 24′ 46″
R = 83.75′
T = 41.81′
L = 77.56′
E = 9.86′
C = 74.82′
C.B. = S 45° 37′ 09″ E

(2) ℄ DRIVE STA. 504+77, CURVE 1
P.I. Sta. 0+76.60
Δ = 63° 01′ 42″ (LT)
Dc = 68° 24′ 46″
R = 83.75′
T = 51.35′
L = 92.13′
E = 14.49′
C = 87.55′
C.B. = S 11° 00′ 13″ W



COMMERCIAL ACCESS DRIVE

HUNT RD - ASPHALT

EXISTING PAVEMENT TO REMAIN,
PAVEMENT PLANING AND RESURFACING

FOR DRIVE BUILD-UP, SEE SHEET 204

HORIZONTAL SCALE IN FEET 0 5 10 20

CALCULATED CML
CHECKED JS

DRIVE DETAILS
HUNT RD

HAM-PLAINFIELD RD
ROUNDABOUTS

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1/14/2020
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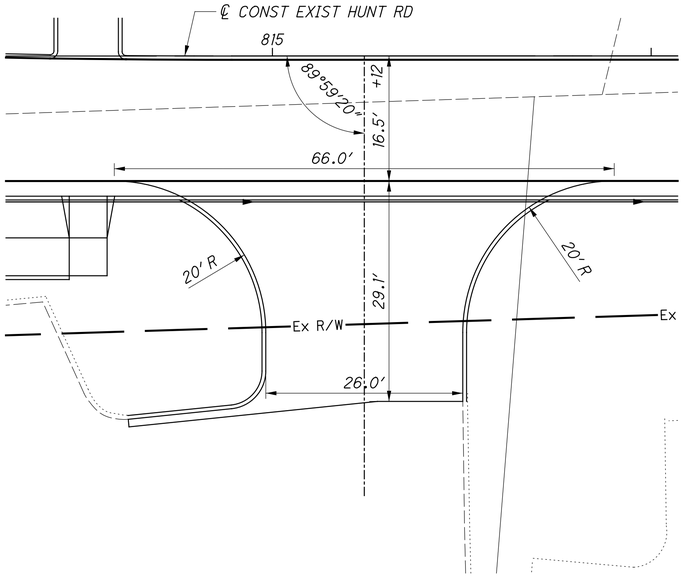
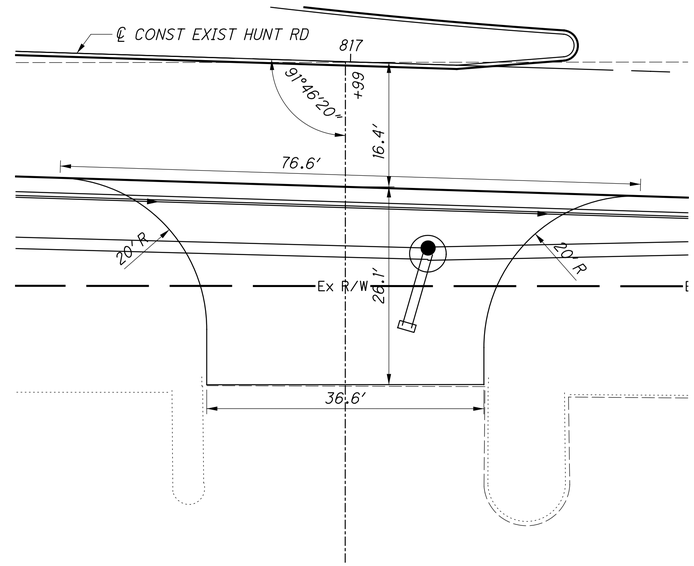
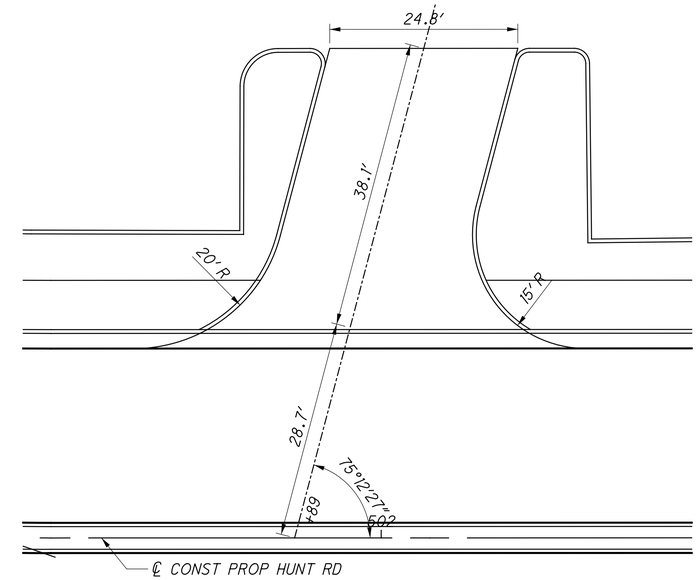


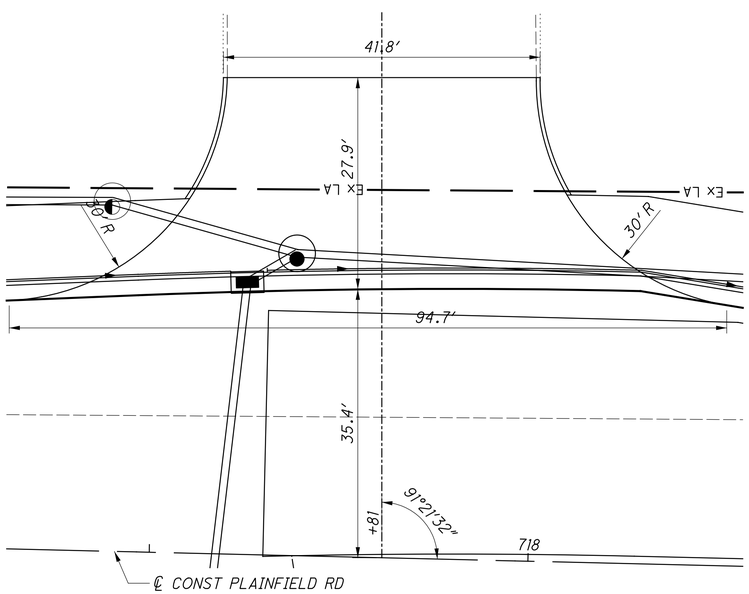
COMMERCIAL DRIVE
HUNT RD
STA. 815+12 RT - CONCRETE



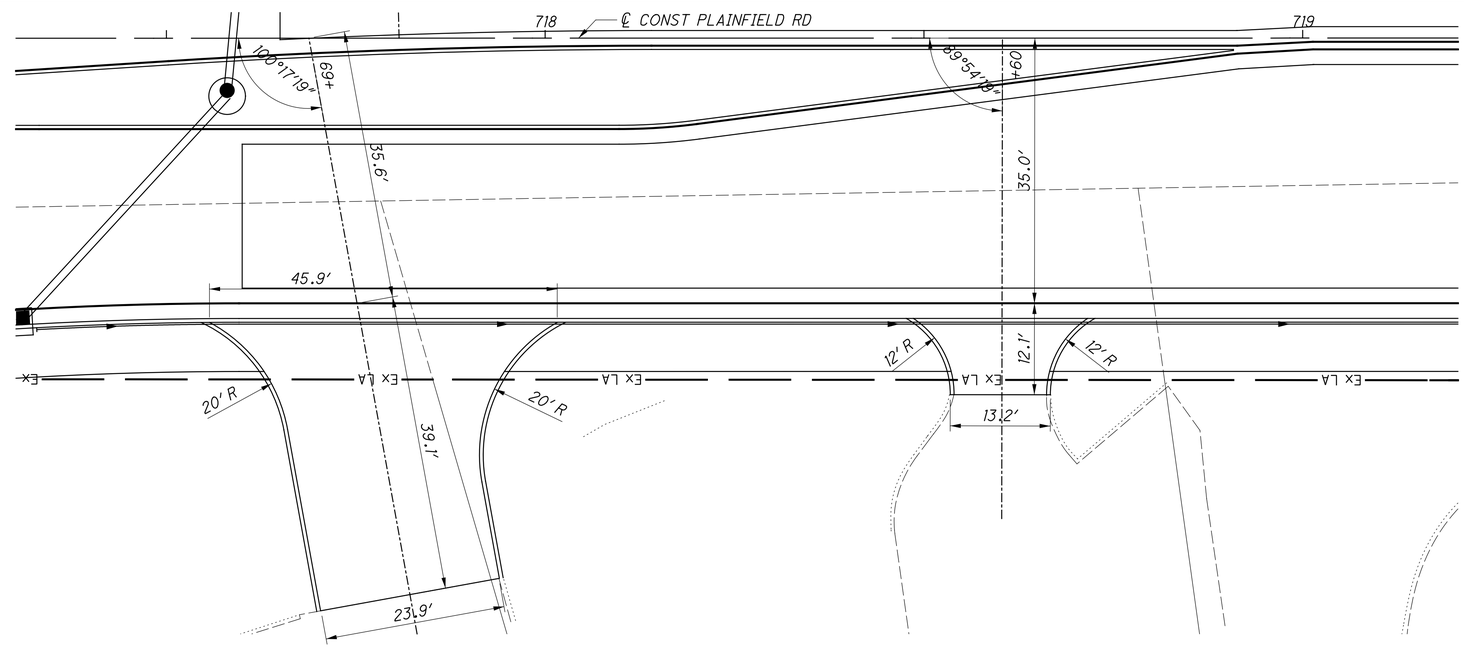
COMMERCIAL DRIVE
HUNT RD
STA. 816+99 RT - ASPHALT



COMMERCIAL DRIVE
HUNT RD
STA. 501+88.57 - ASPHALT



COMMERCIAL DRIVE
PLAINFIELD RD
STA. 717+81 LT - ASPHALT



COMMERCIAL DRIVE
PLAINFIELD RD
STA. 717+69 RT - ASPHALT

RESIDENTIAL DRIVE
PLAINFIELD RD
STA. 718+60 RT - ASPHALT

FOR DRIVE BUILD-UP, SEE SHEET 204

HORIZONTAL SCALE IN FEET
0 5 10 20

CALCULATED CML
CHECKED JS

DRIVE DETAILS
PLAINFIELD RD & HUNT RD

HAM-PLAINFIELD RD ROUNDABOUTS

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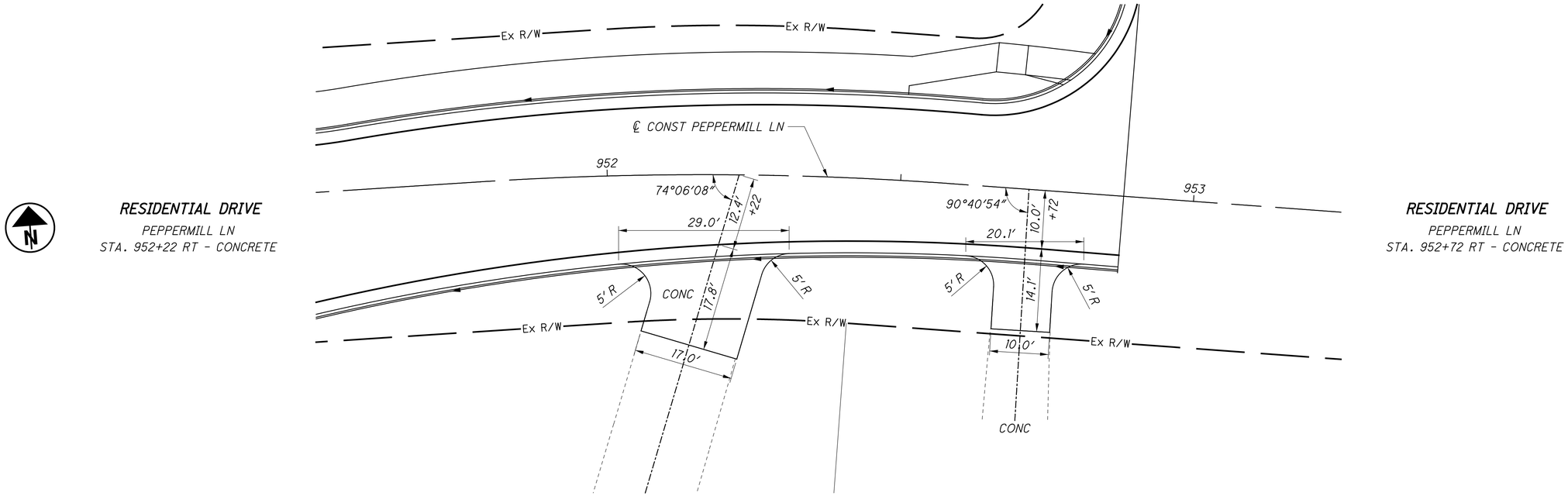
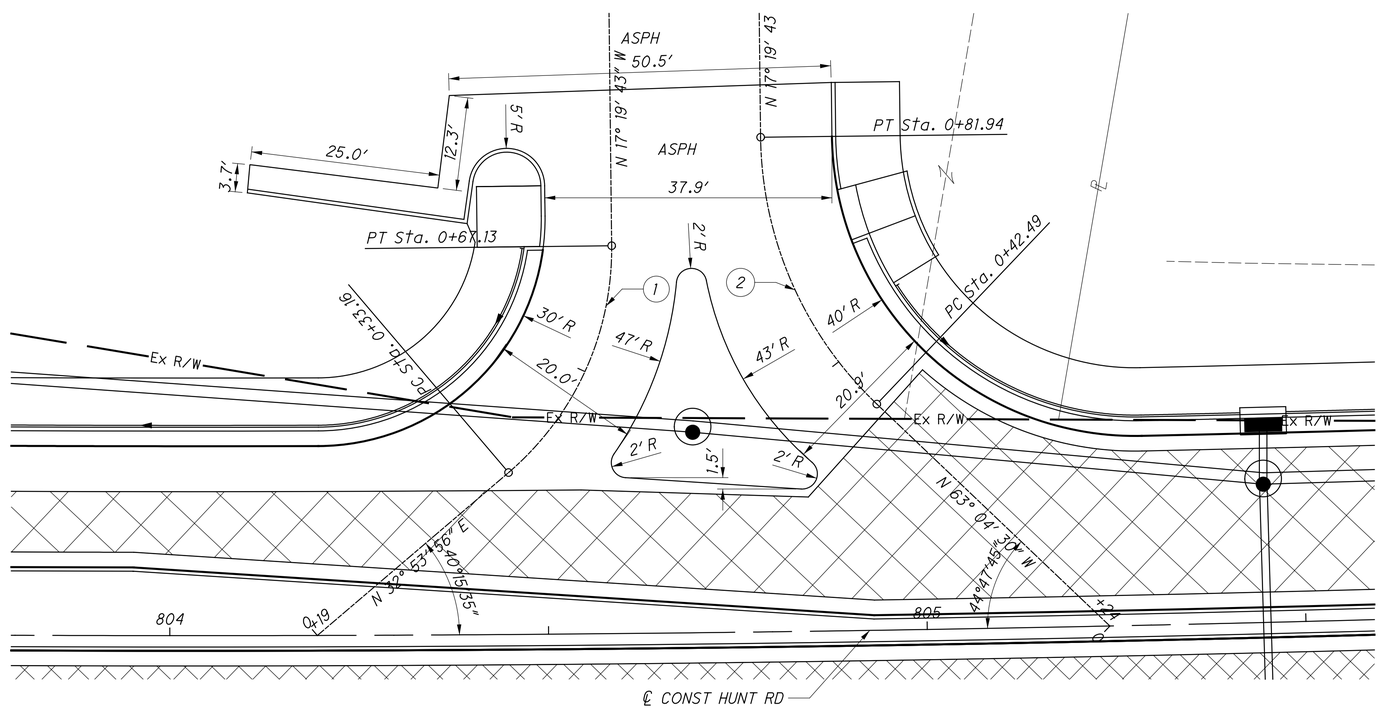


RESIDENTIAL DRIVE
PEPPERMILL LN
STA. 952+22 RT - CONCRETE

RESIDENTIAL DRIVE
PEPPERMILL LN
STA. 952+72 RT - CONCRETE



COMMERCIAL DRIVE
HUNT RD
KROGER ENTRANCE - ASPHALT

EXISTING PAVEMENT TO REMAIN, PAVEMENT PLANING AND RESURFACING

FOR DRIVE BUILD-UP, SEE SHEET 204

1 ℄ DRIVE STA. 804+19, CURVE 1
P.I. Sta. 0+51.32
Δ = 50° 13' 39" (LT)
Dc = 147° 51' 36"
R = 38.75'
T = 18.16'
L = 33.97'
E = 4.05'
C = 32.89'
C.B. = N 7° 47' 06" E

2 ℄ DRIVE STA. 805+24, CURVE 1
P.I. Sta. 0+63.33
Δ = 45° 44' 47" (RT)
Dc = 115° 56' 37"
R = 49.42'
T = 20.85'
L = 39.46'
E = 4.22'
C = 38.42'
C.B. = N 40° 12' 07" W

HORIZONTAL SCALE IN FEET 0 5 10 20

CALCULATED CML
CHECKED JS

DRIVE DETAILS
HUNT RD & PEPPERMILL LANE

HAM-PLAINFIELD RD ROUNDABOUTS

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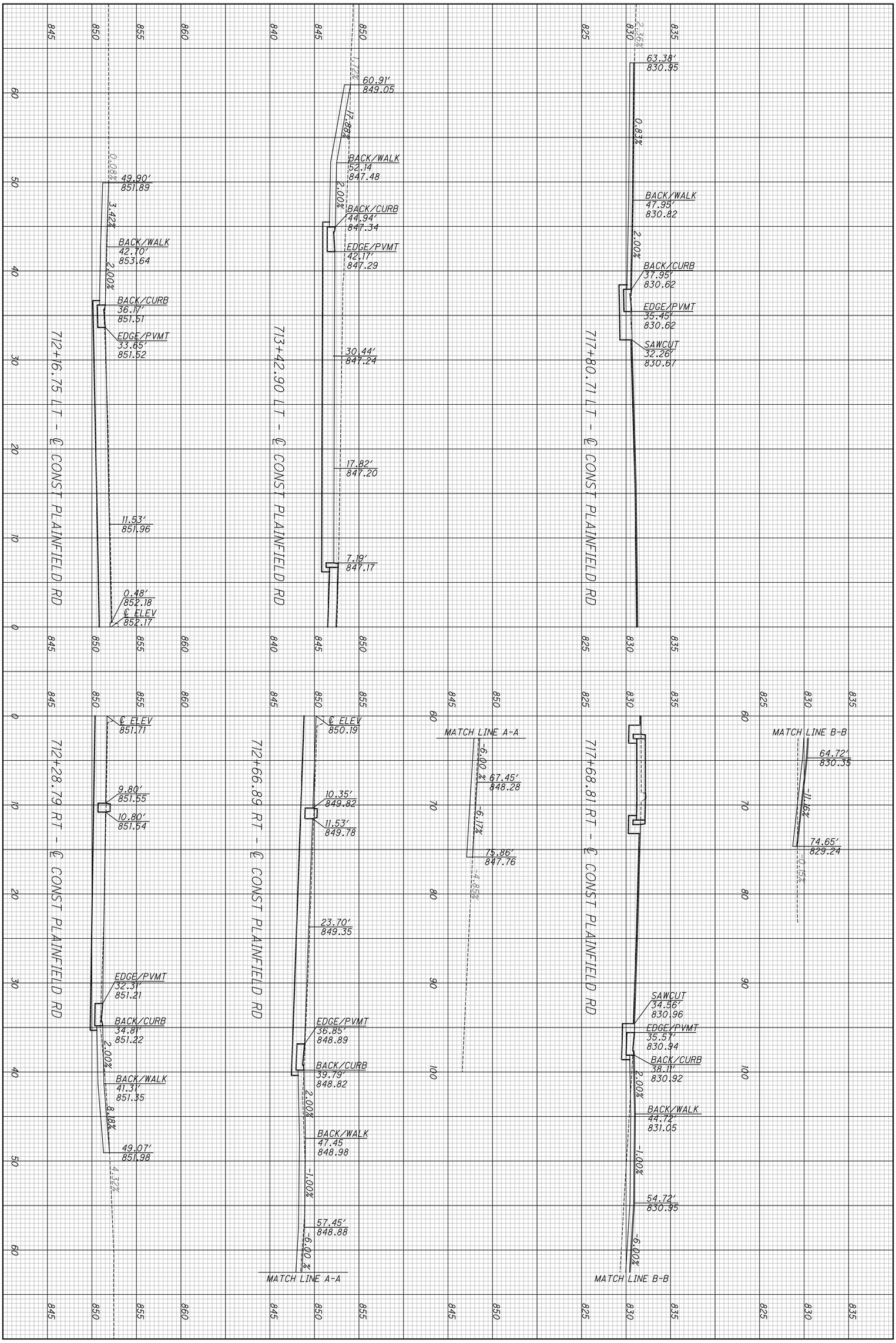
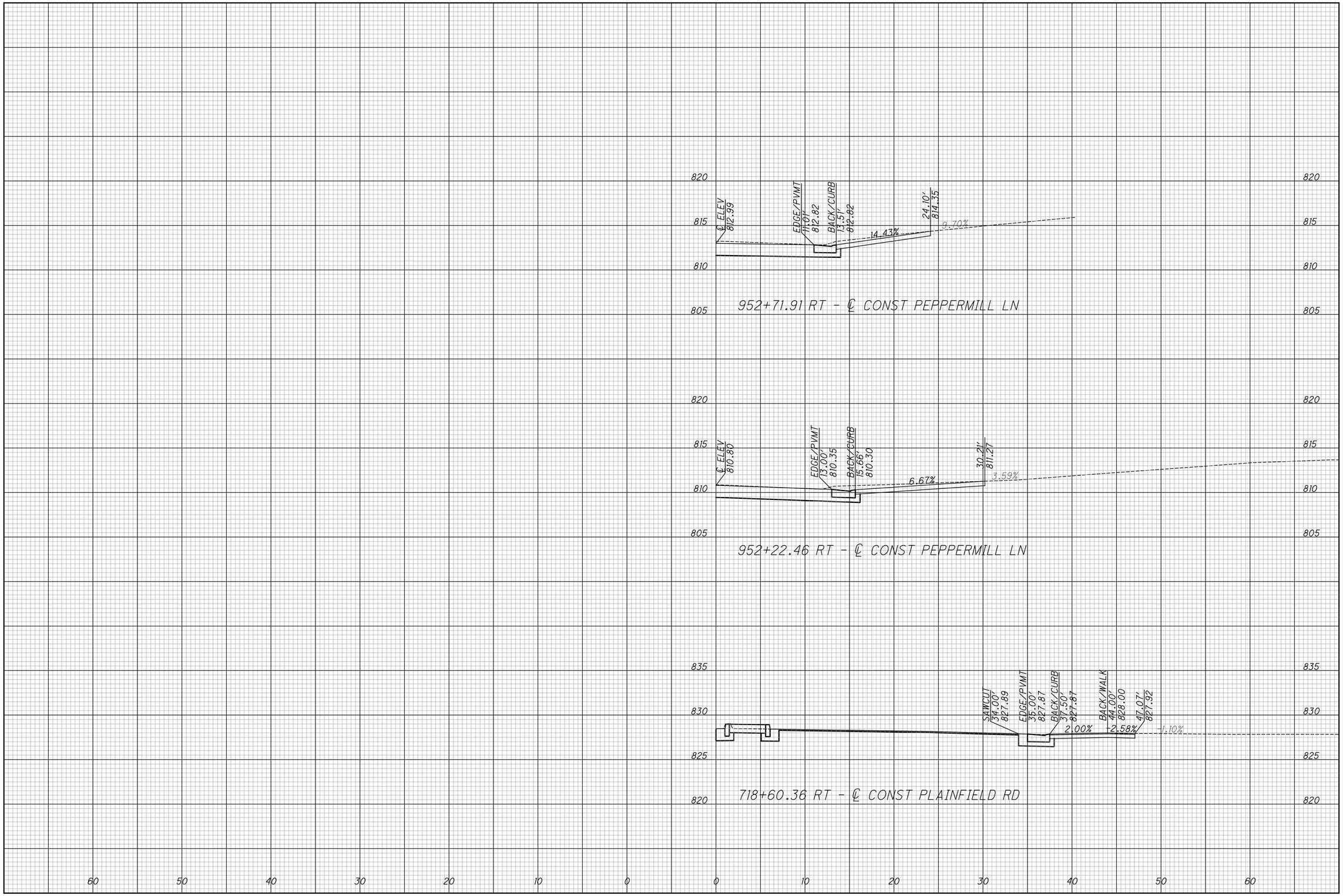


208
266

HAM-PLAINFIED RD ROUNDABOUTS

DRIVE PROFILES - PLAINFIED RD.

CALCULATED LZS
CHECKED JS



CALCULATED LZS
CHECKED JS

DRIVE PROFILES - PLAINFIED RD. & PEPPERMILL LN

HAM-PLAINFIELD RD ROUNDABOUTS

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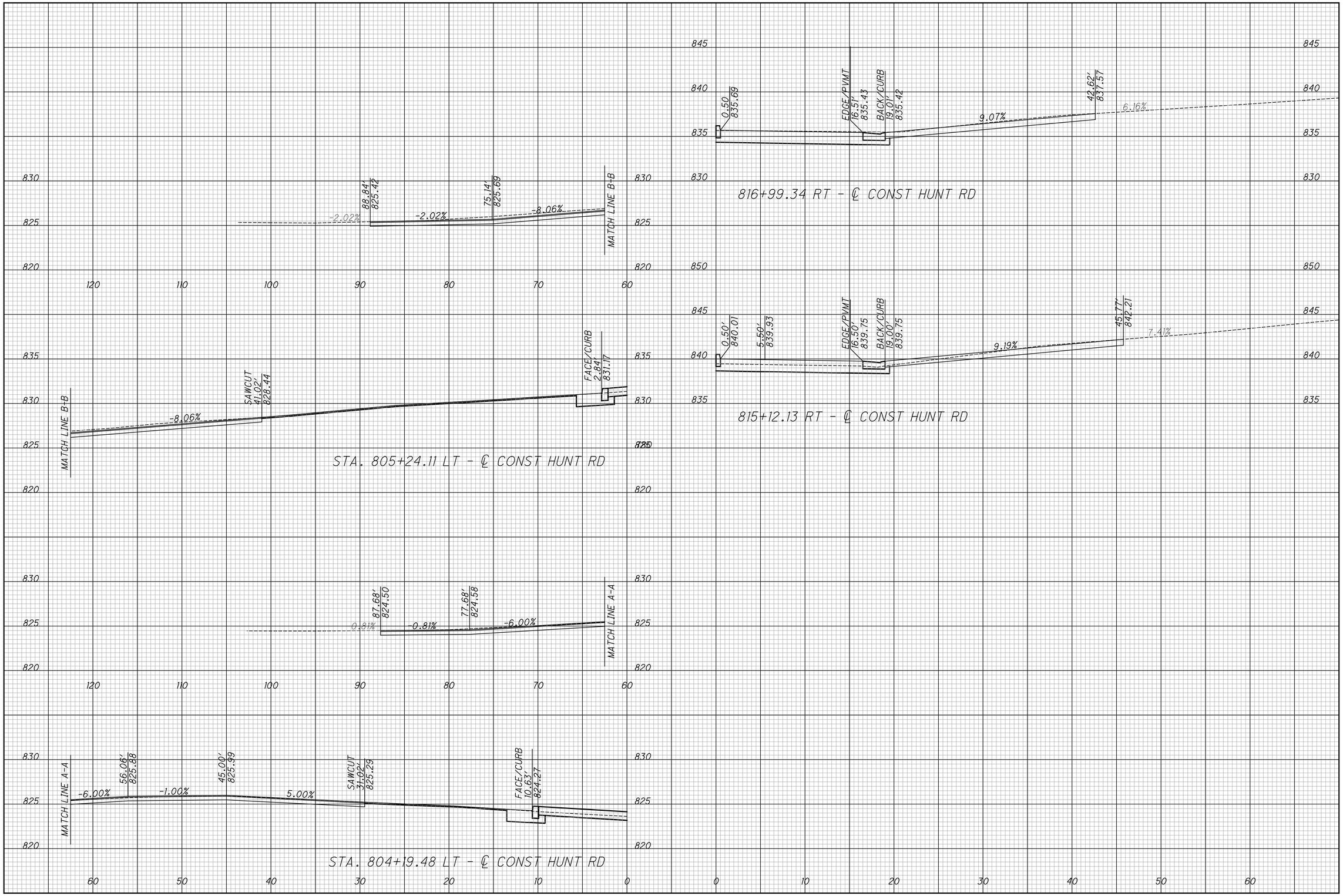

CALCULATED LZS
CHECKED JS

DRIVE PROFILES - HUNT RD

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
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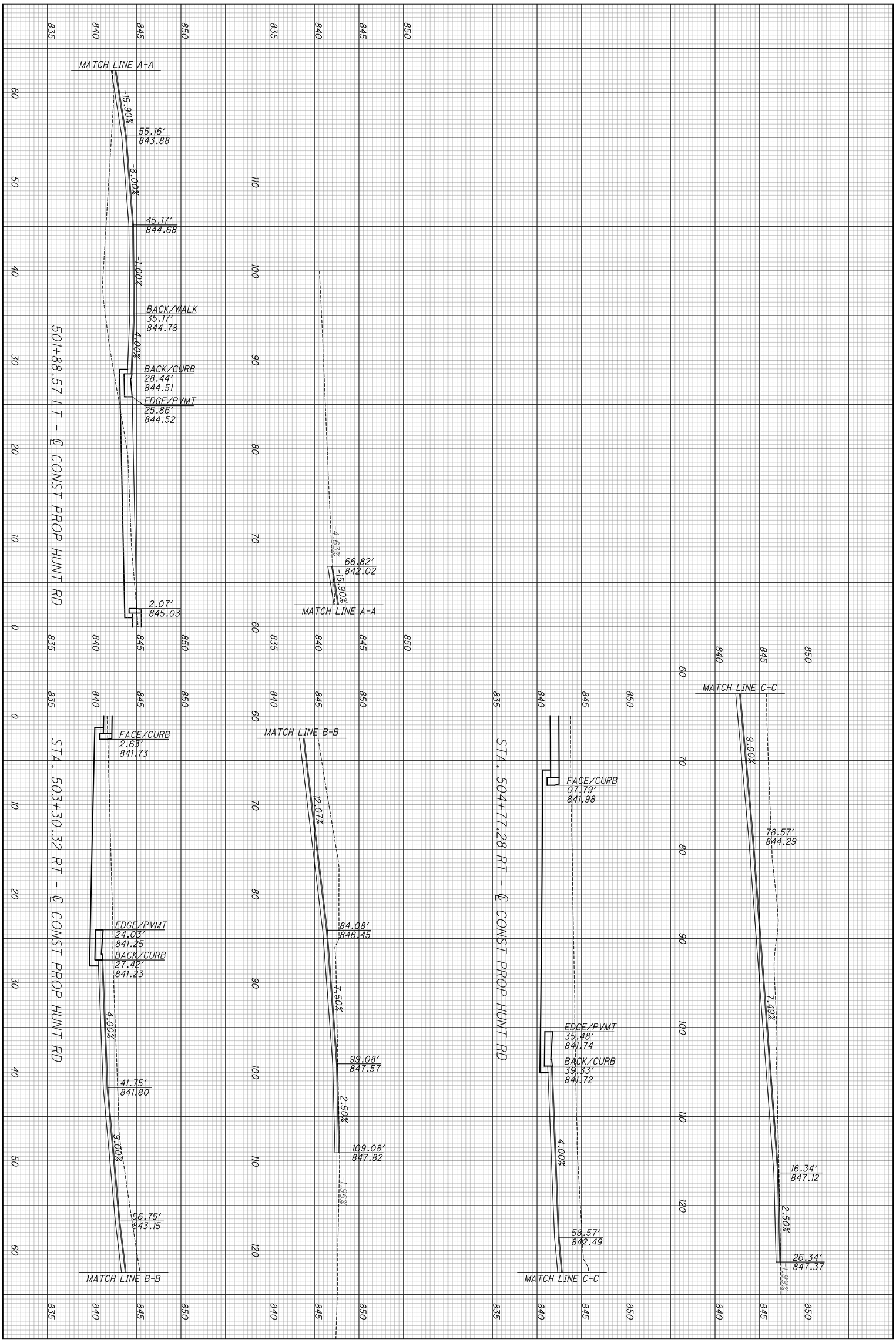
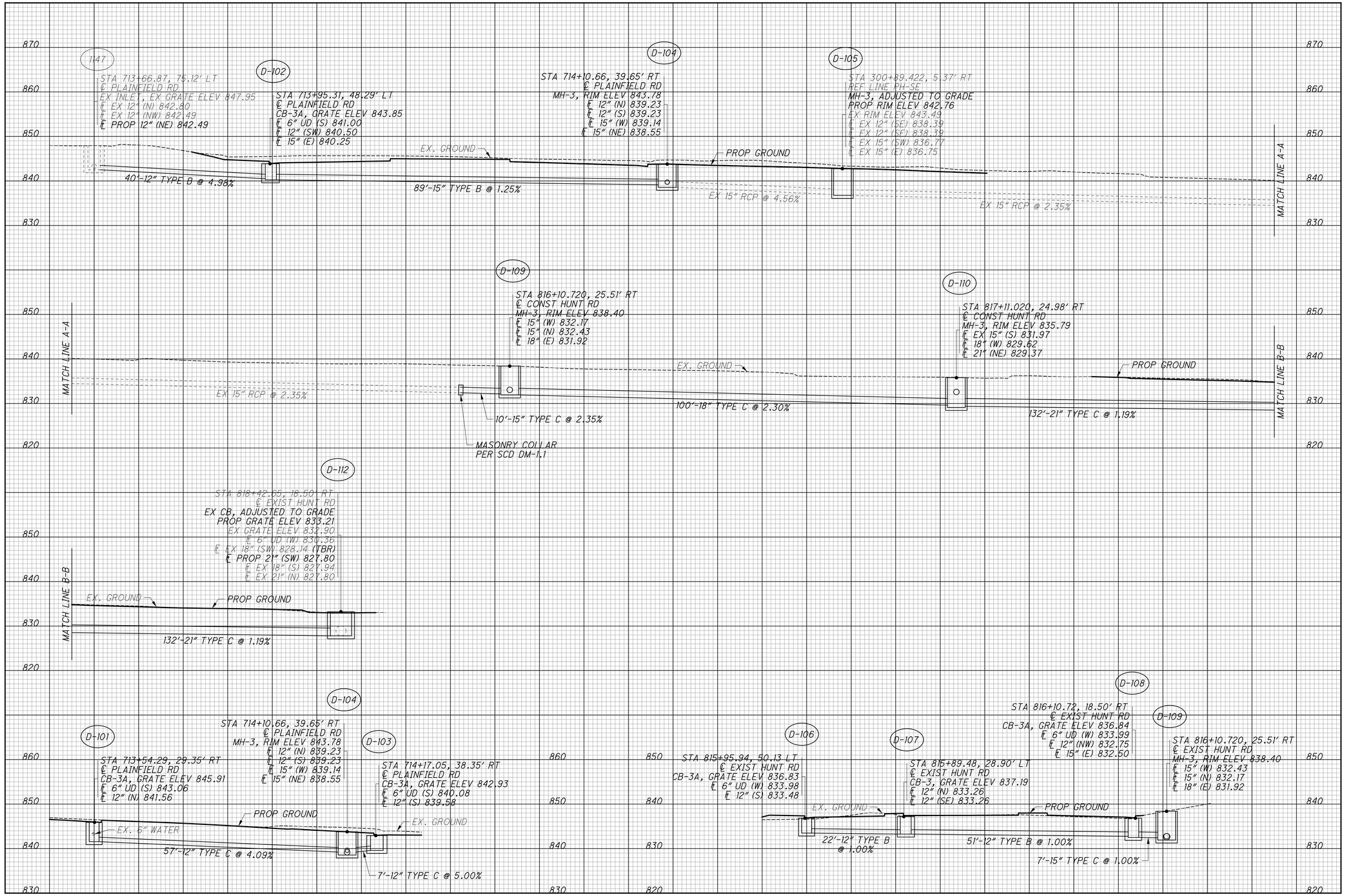


211 / 266	HAM-PLAINFIELD RD ROUNDABOUTS	DRIVE PROFILES - HUNT RD	CALCULATED LZS CHECKED JS



CALCULATED LZS
CHECKED JS

STORM SEWER PROFILES

HAM-PLAINFIELD RD
ROUNDABOUTS

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1/14/2020
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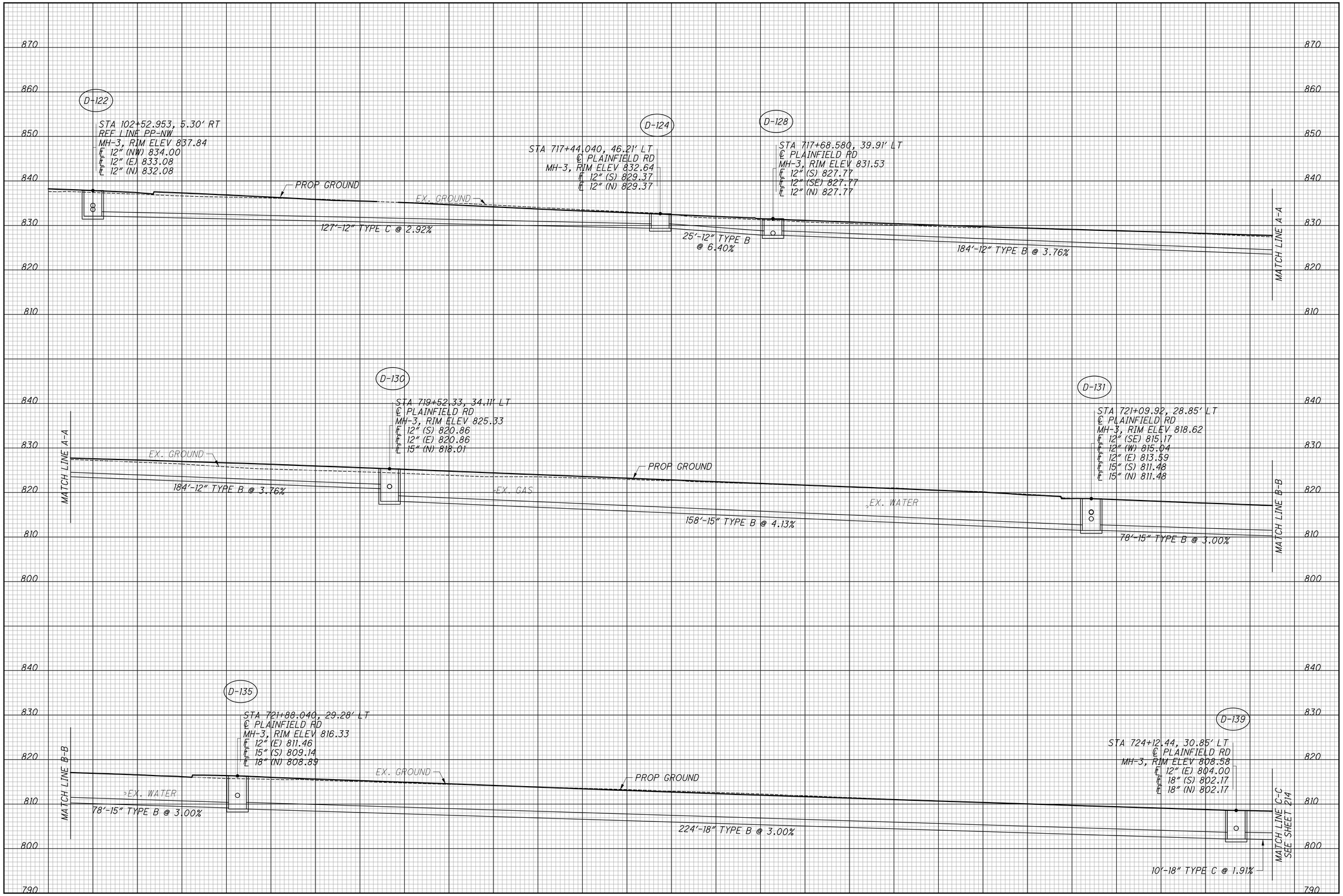

CALCULATED LZS
CHECKED JS

STORM SEWER PROFILES

HAM-PLAINFIELD RD ROUNDABOUTS

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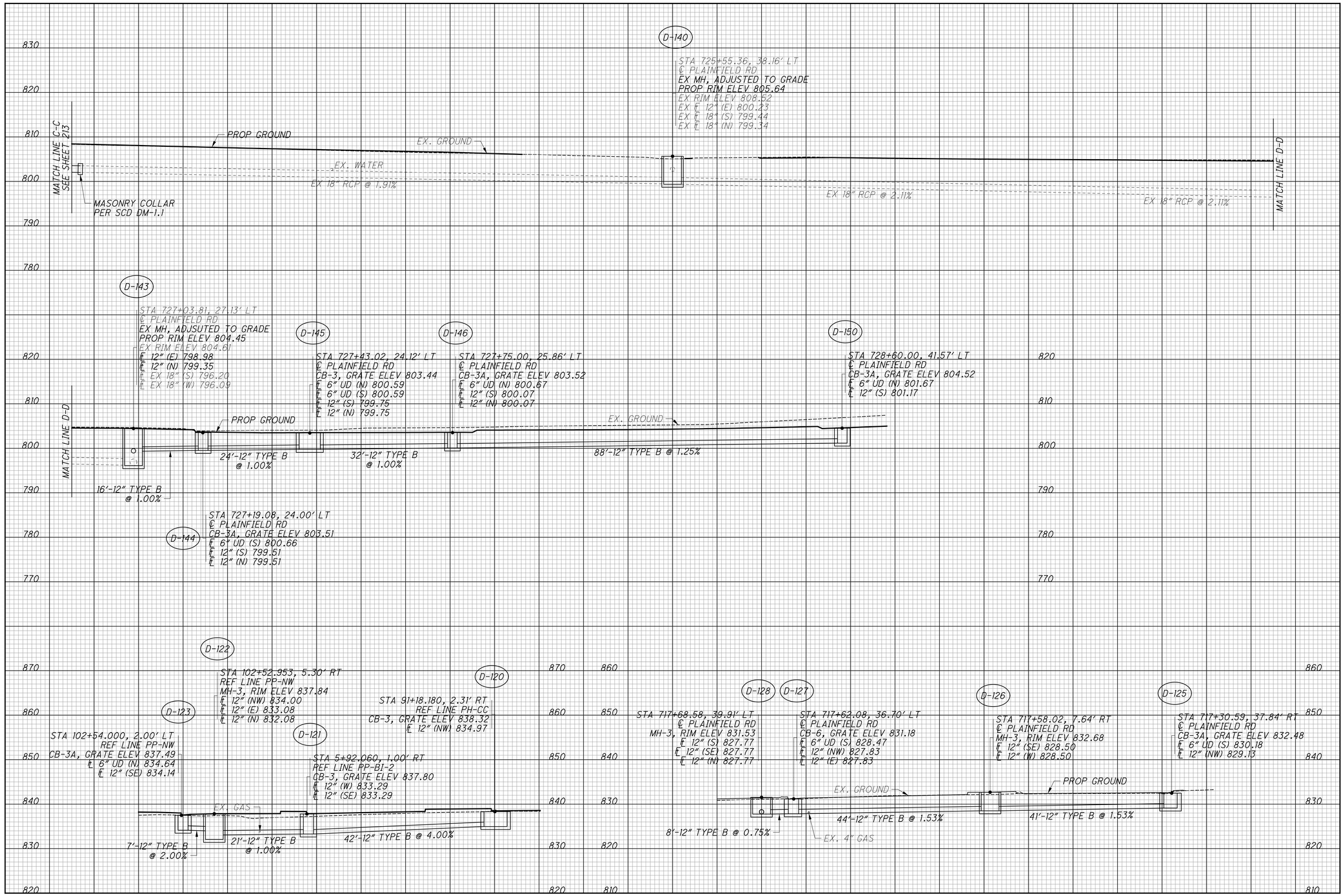

CALCULATED LZS
CHECKED JS

STORM SEWER PROFILES

HAM-PLAINFIELD RD ROUNDABOUTS

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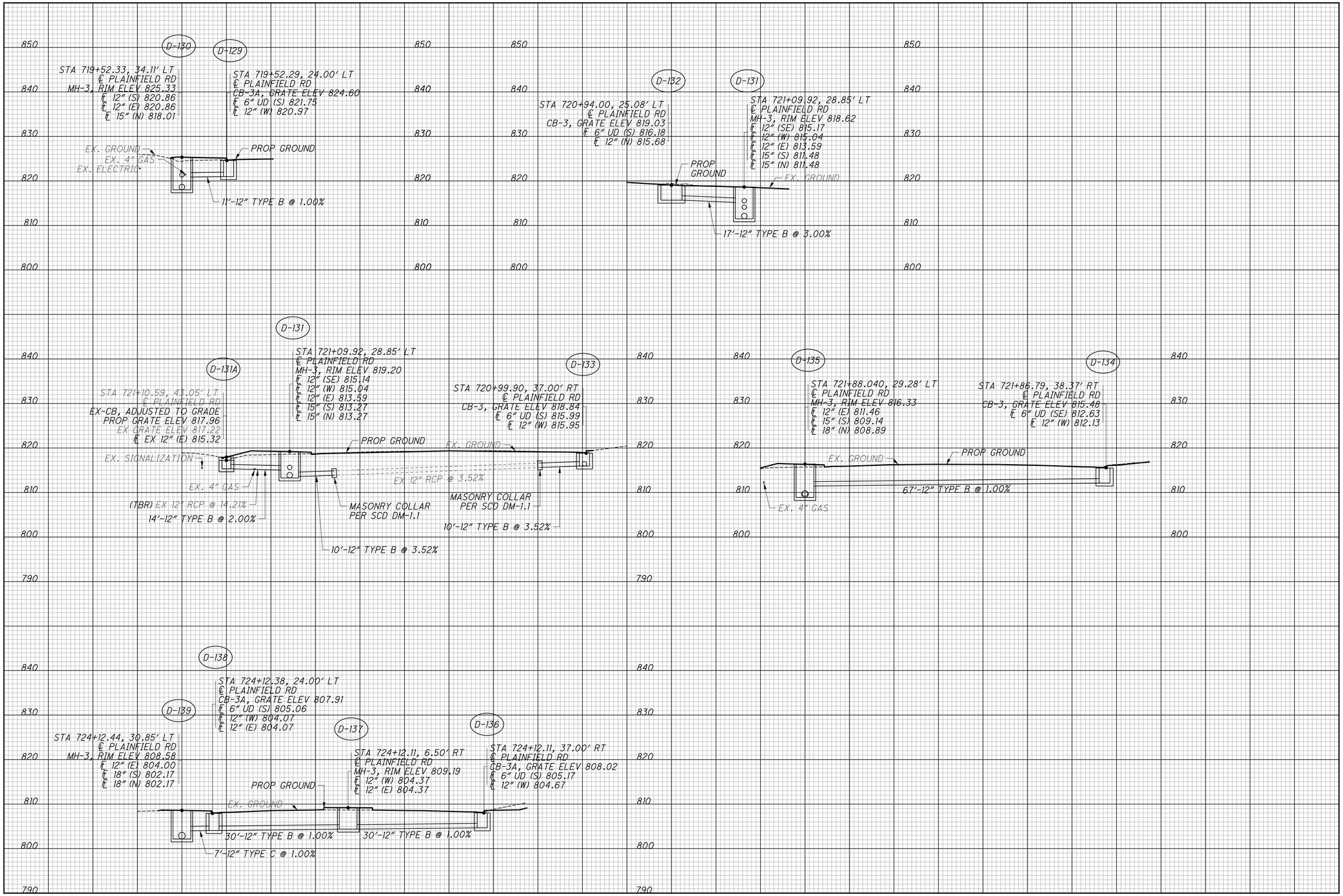

CALCULATED LZS
CHECKED JS

STORM SEWER PROFILES

HAM-PLAINFIELD RD ROUNDABOUTS

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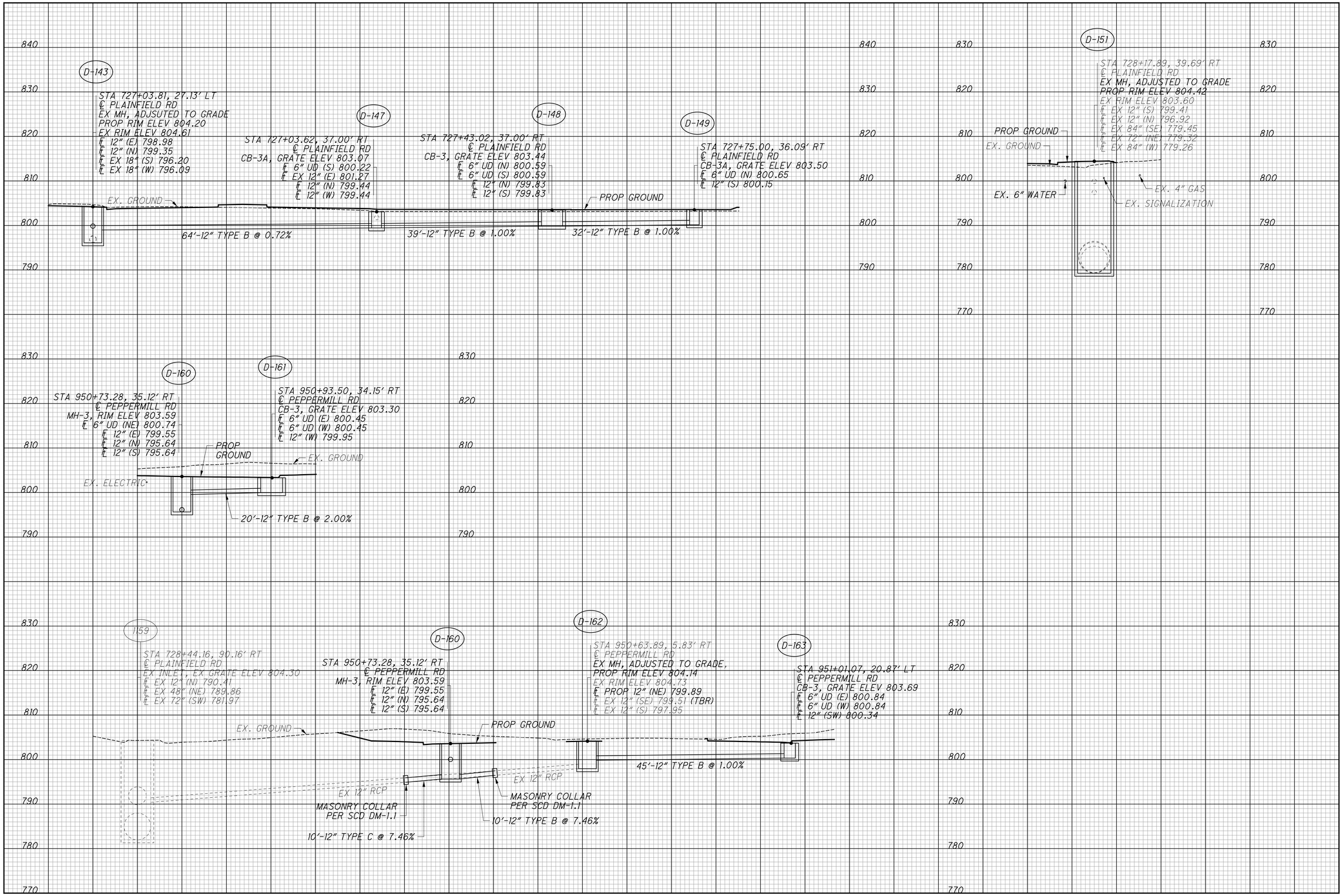

CALCULATED LZS
CHECKED JS

STORM SEWER PROFILES

HAM-PLAINFIELD RD ROUNDABOUTS

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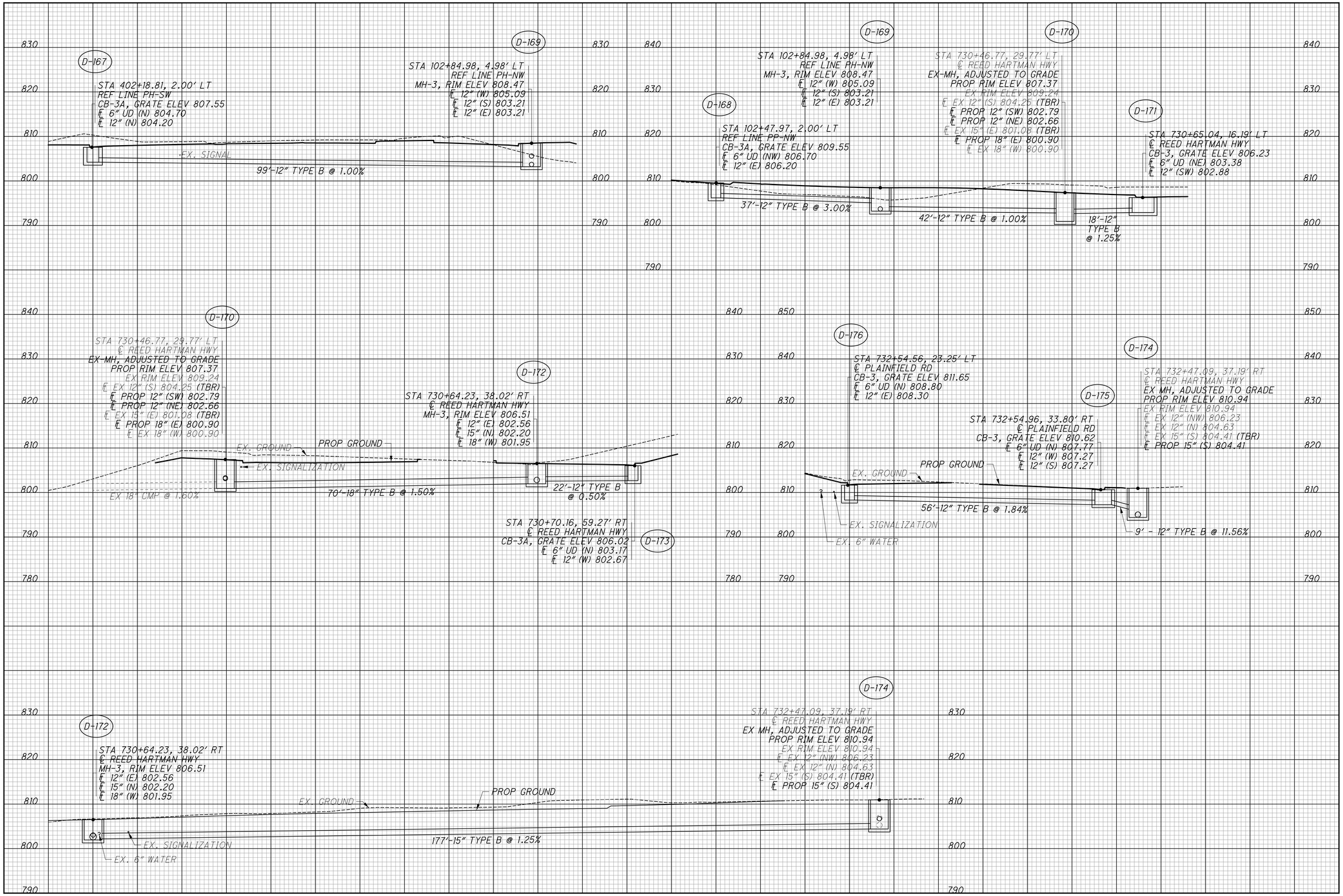

CALCULATED LZS
CHECKED JS

STORM SEWER PROFILES

HAM-PLAINFIELD RD ROUNDABOUTS

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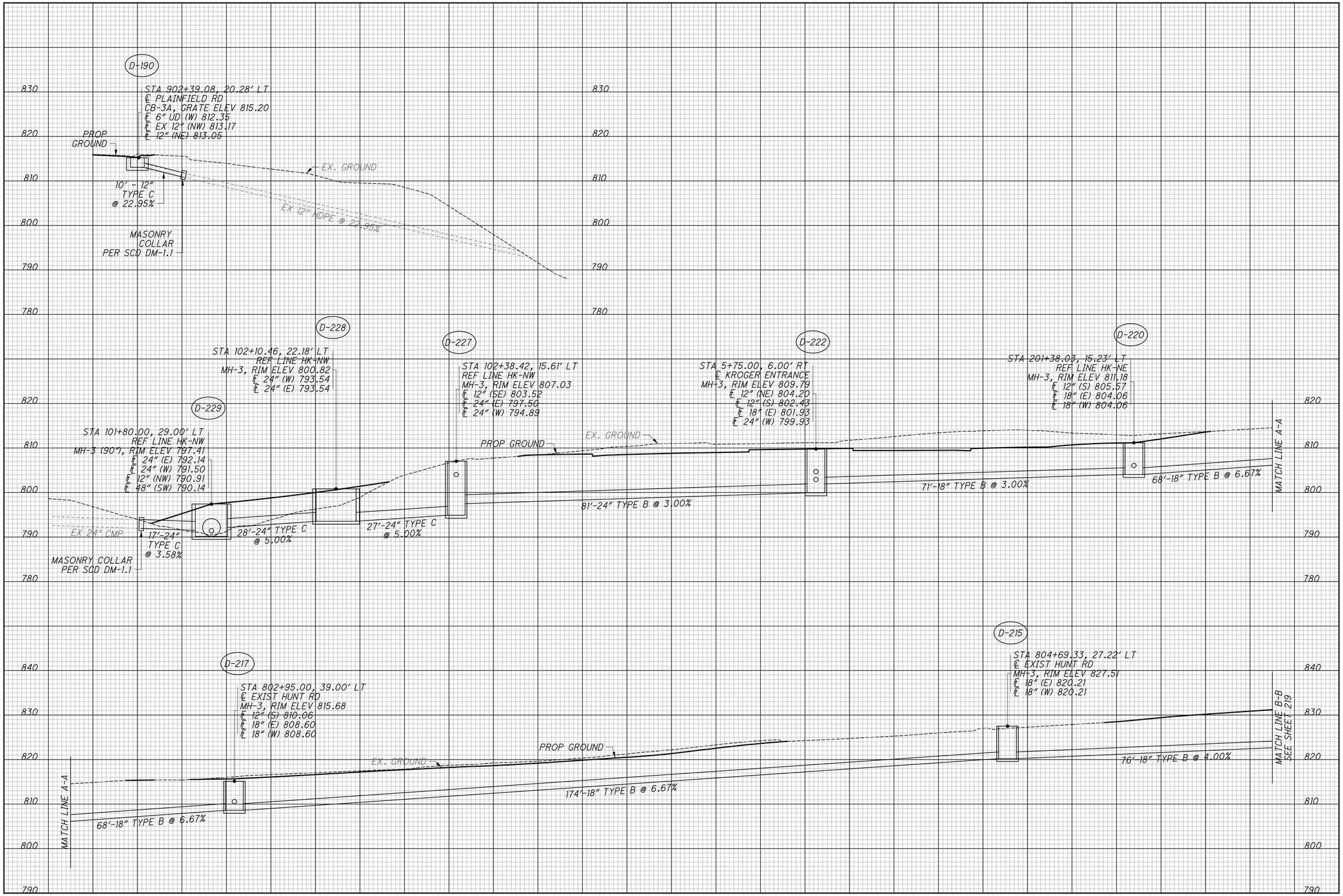

CALCULATED LZS
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STORM SEWER PROFILES

HAM-PLAINFIELD RD ROUNDABOUTS

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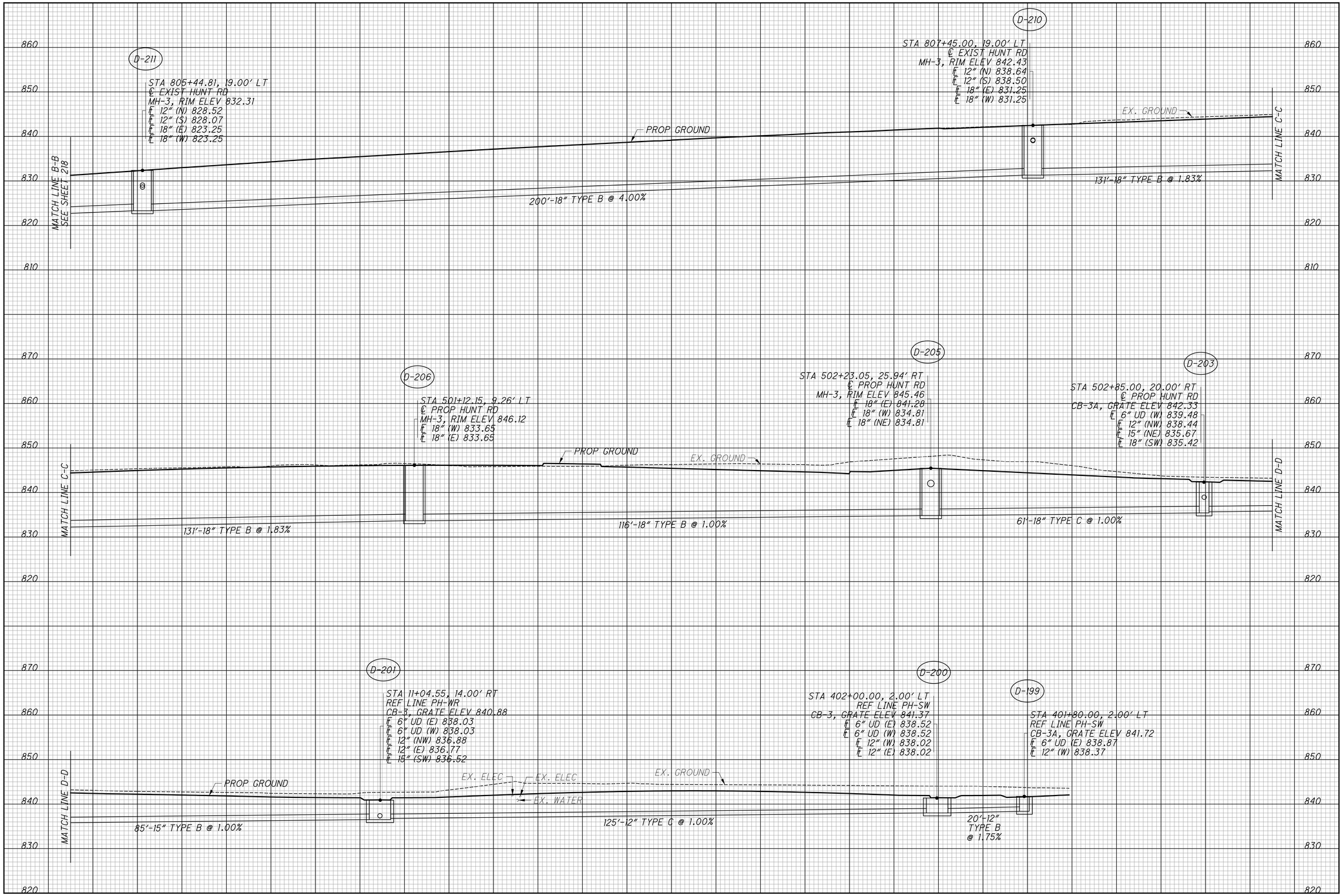
1/14/2020



CALCULATED LZS
CHECKED JS

STORM SEWER PROFILES

HAM-PLAINFIELD RD ROUNDABOUTS

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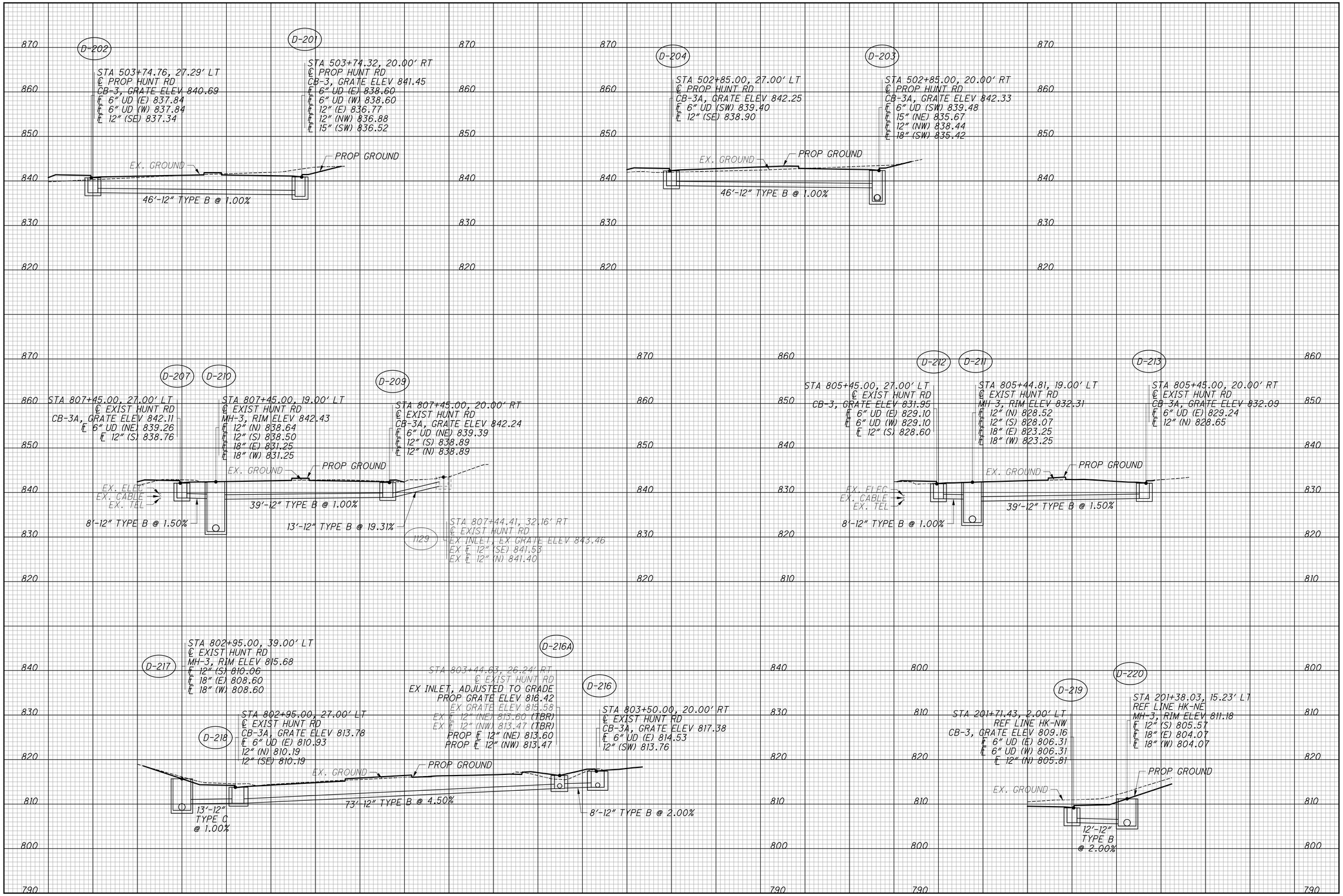

CALCULATED LZS
CHECKED JS

STORM SEWER PROFILES

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:05:38 AM
1/14/2020
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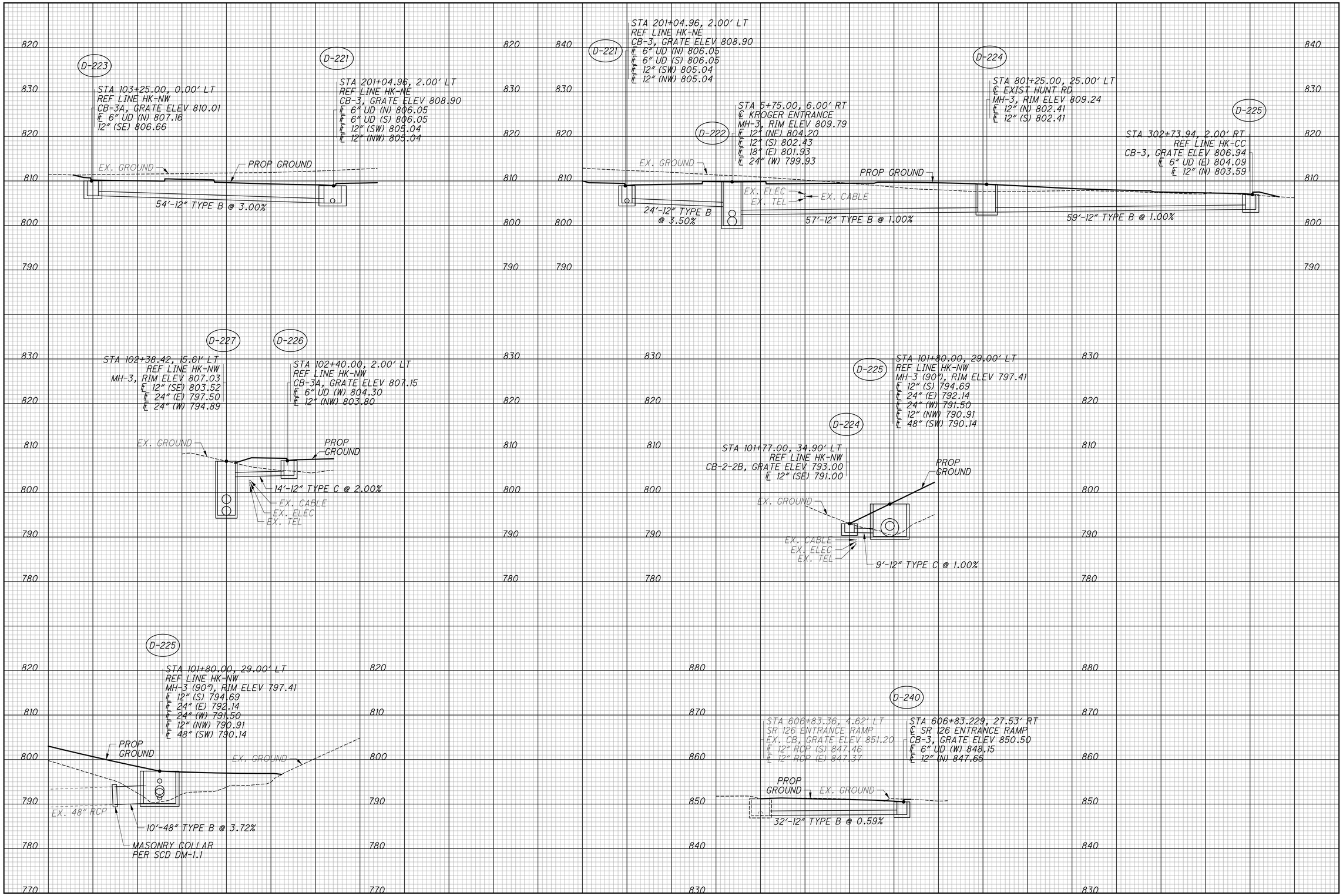


CALCULATED LZS
CHECKED JS

STORM SEWER PROFILES

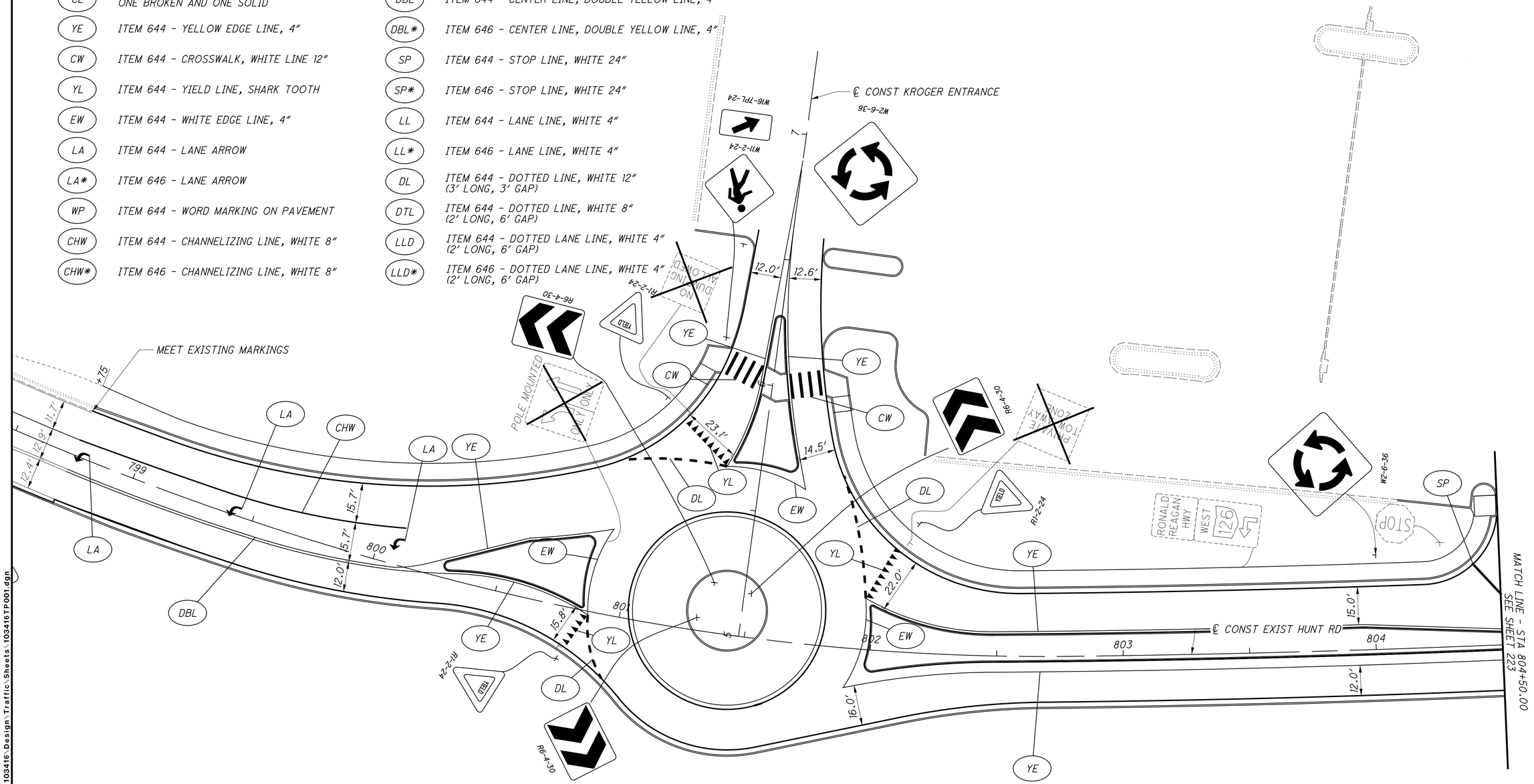
HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:05:39 AM
1/14/2020
O:\2013\00482.C Design\HAM\103416\Design\Drainage\Sheets\103416DF010.dgn

LEGEND

STOP	PROPOSED SIGN
STOP	EXISTING SIGN TO REMAIN
~~STOP~~	EXISTING SIGN TO BE REMOVED
2'-0" 1'-0" 3'-0"	YIELD LINE LAYOUT

CL	ITEM 644 - CENTER LINE, DOUBLE YELLOW LINE; ONE BROKEN AND ONE SOLID	DBL	ITEM 644 - CENTER LINE, DOUBLE YELLOW LINE, 4"
YE	ITEM 644 - YELLOW EDGE LINE, 4"	DBL*	ITEM 646 - CENTER LINE, DOUBLE YELLOW LINE, 4"
CW	ITEM 644 - CROSSWALK, WHITE LINE 12"	SP	ITEM 644 - STOP LINE, WHITE 24"
YL	ITEM 644 - YIELD LINE, SHARK TOOTH	SP*	ITEM 646 - STOP LINE, WHITE 24"
EW	ITEM 644 - WHITE EDGE LINE, 4"	LL	ITEM 644 - LANE LINE, WHITE 4"
LA	ITEM 644 - LANE ARROW	LL*	ITEM 646 - LANE LINE, WHITE 4"
LA*	ITEM 646 - LANE ARROW	DL	ITEM 644 - DOTTED LINE, WHITE 12" (3' LONG, 3' GAP)
WP	ITEM 644 - WORD MARKING ON PAVEMENT	DTL	ITEM 644 - DOTTED LINE, WHITE 8" (2' LONG, 6' GAP)
CHW	ITEM 644 - CHANNELIZING LINE, WHITE 8"	LLD	ITEM 644 - DOTTED LANE LINE, WHITE 4" (2' LONG, 6' GAP)
CHW*	ITEM 646 - CHANNELIZING LINE, WHITE 8"	LLD*	ITEM 646 - DOTTED LANE LINE, WHITE 4" (2' LONG, 6' GAP)



jschmeltzer 7:05:43 AM
01/14/2020
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HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED GAN
CHECKED JS

TRAFFIC CONTROL PLAN - HUNT RD
STA. 798+50.00 TO STA. 804+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:05:44 AM
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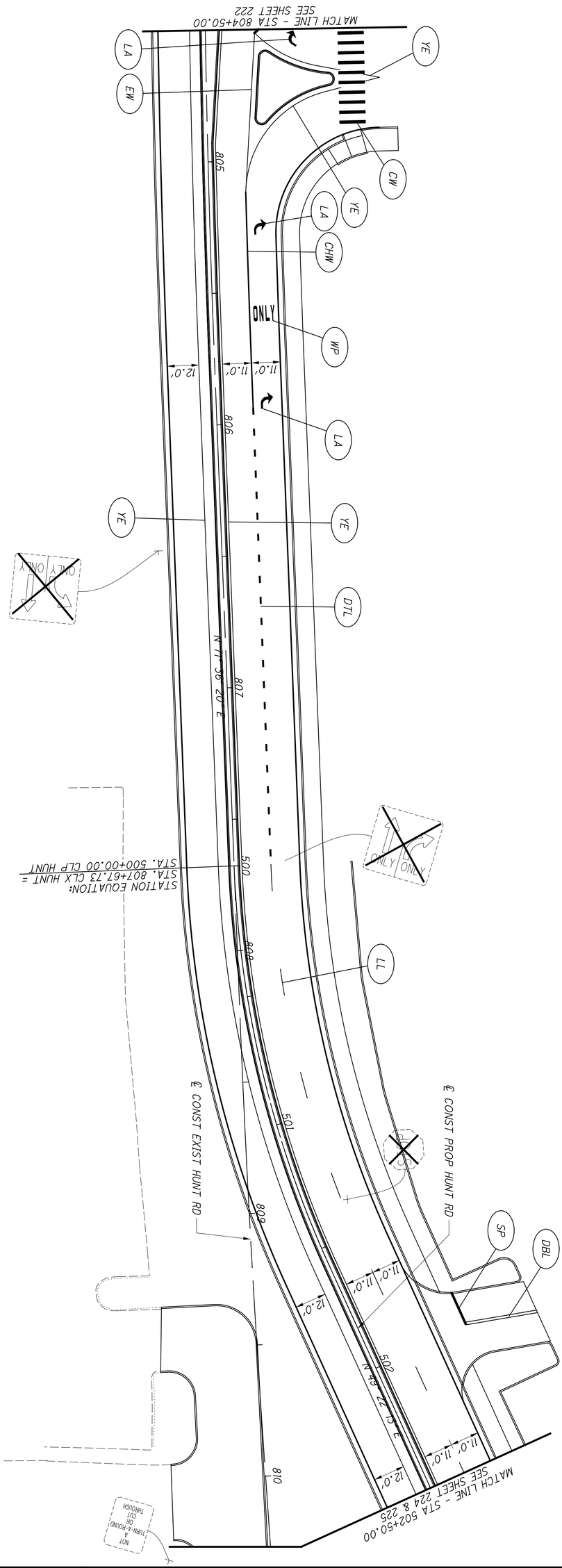

FOR LEGEND SEE SHEET 222

223 / 266	HAM-PLAINFIELD RD ROUNDABOUTS	TRAFFIC CONTROL PLAN - HUNT RD STA. 804+50.00 TO STA. 502+50.00	CALCULATED GAN CHECKED JS	0 10 20 40 HORIZONTAL SCALE IN FEET

jschmeltzer
1/14/2020 7:05:45 AM
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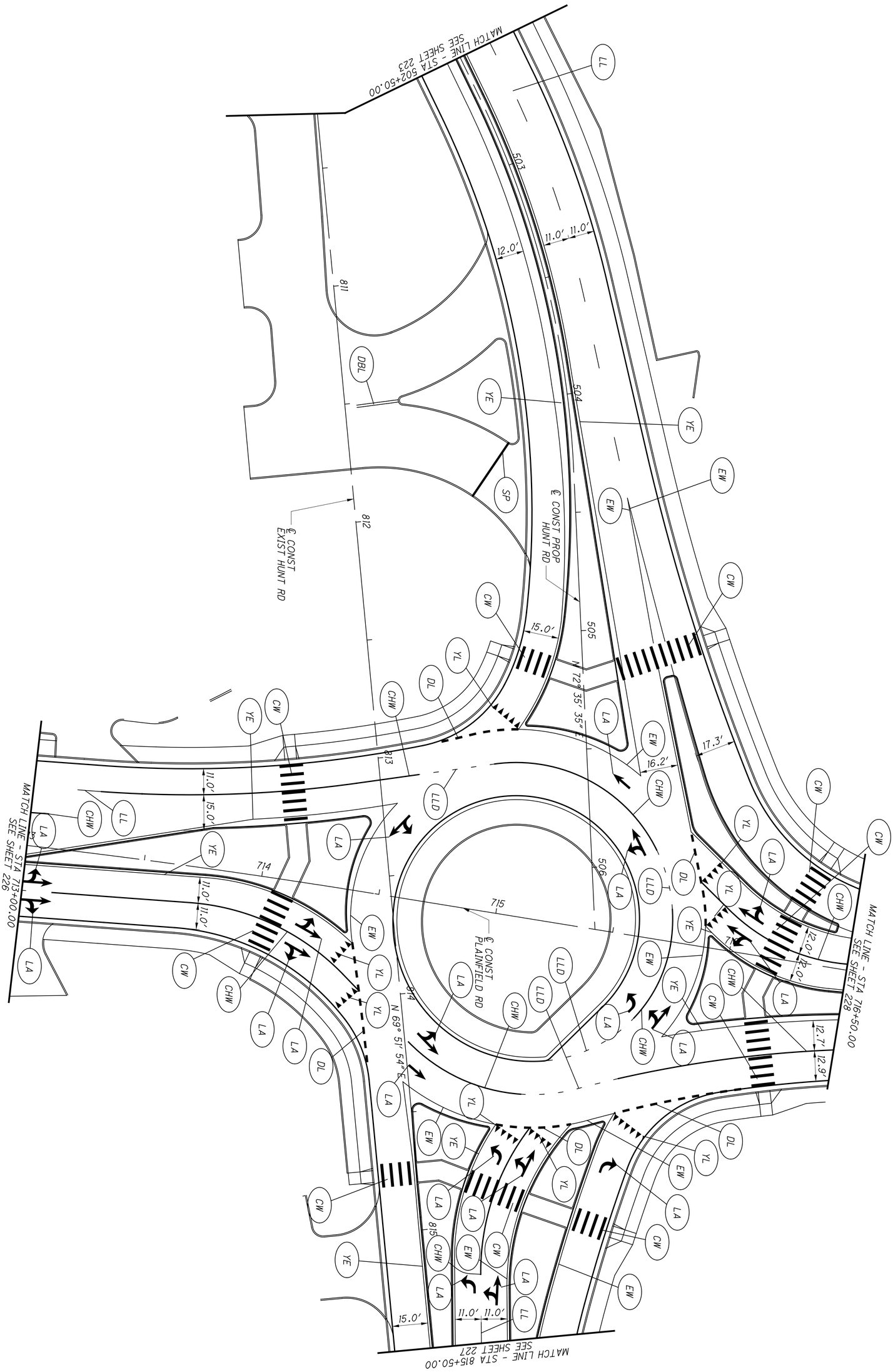
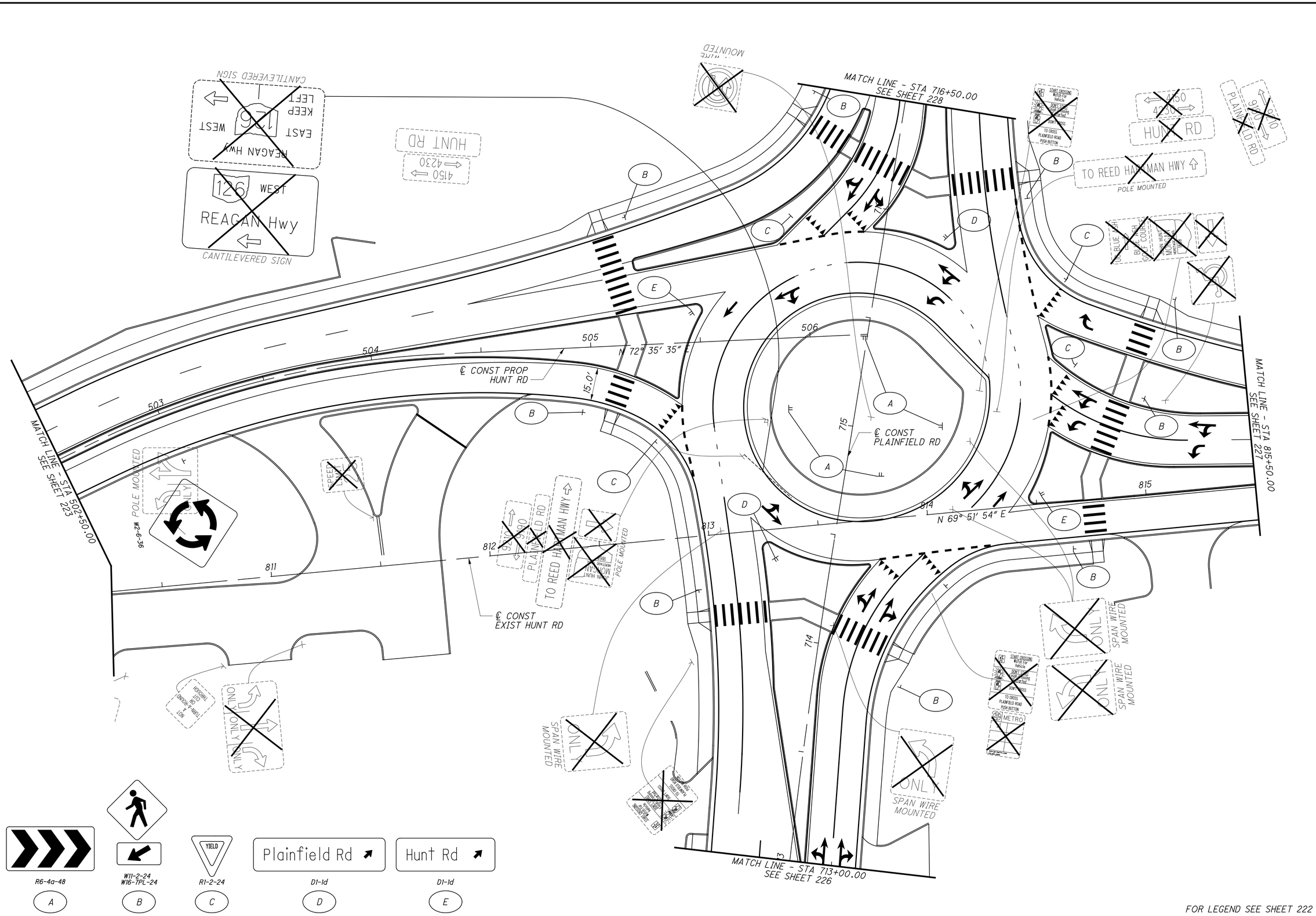


FOR LEGEND SEE SHEET 222

224 / 266	HAM-PLAINFIELD RD ROUNDABOUTS	TRAFFIC CONTROL PLAN - HUNT RD STA. 502+50.00 TO STA. 815+50.00	CALCULATED GAN CHECKED JS	0 10 20 40 HORIZONTAL SCALE IN FEET



FOR LEGEND SEE SHEET 222

TRAFFIC CONTROL PLAN - HUNT RD
STA. 502+50.00 TO STA. 815+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED GAN
CHECKED JS

jschmeltzer
1/14/2020 7:05:47 AM
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jschmeltzer
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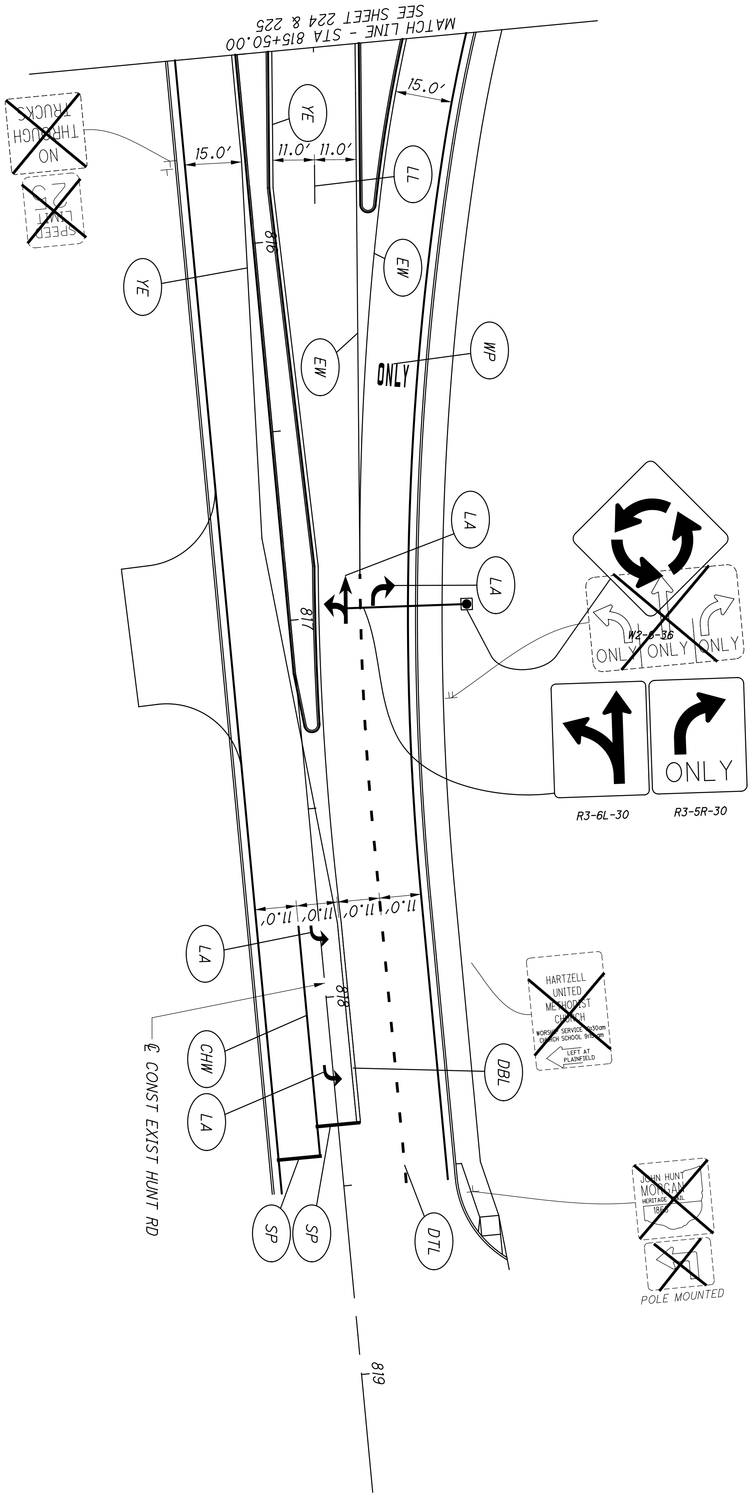

FOR LEGEND SEE SHEET 222

226 / 266	HAM-PLAINFIELD RD ROUNDABOUTS	TRAFFIC CONTROL PLAN - HUNT RD STA. 815+50.00 TO STA. 818+50.00	CALCULATED GAN CHECKED JS	0 10 20 40 HORIZONTAL SCALE IN FEET

jschmeltzer
1/14/2020 7:05:50 AM
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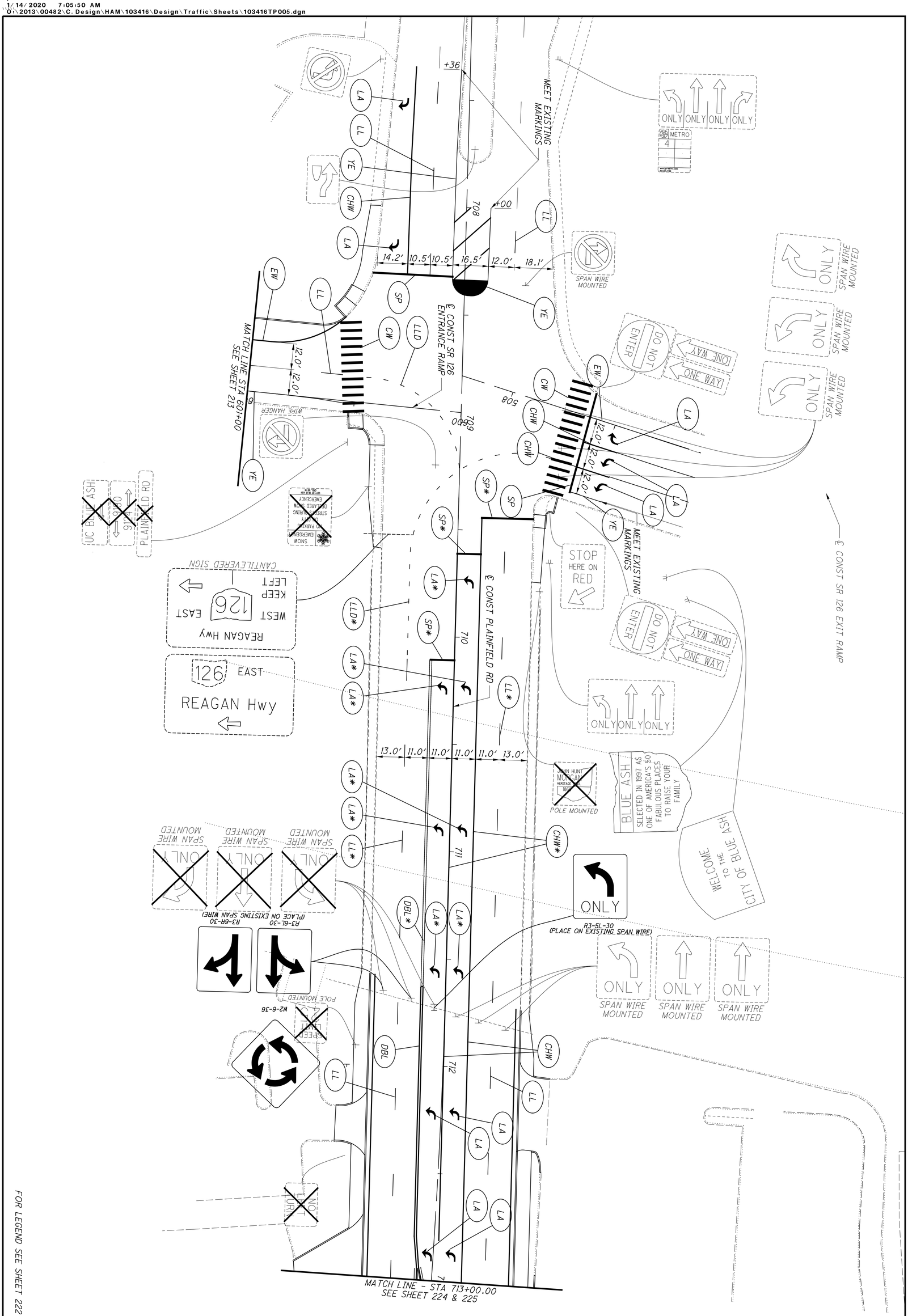

FOR LEGEND SEE SHEET 222

227 / 266	HAM-PLAINFIELD RD ROUNDABOUTS	TRAFFIC CONTROL PLAN - PLAINFIELD RD STA. 708+00.00 TO STA. 713+00.00	CALCULATED GAN / CHECKED JS	0 10 20 40 HORIZONTAL SCALE IN FEET

jschmeltzer
1/14/2020 7:05:51 AM
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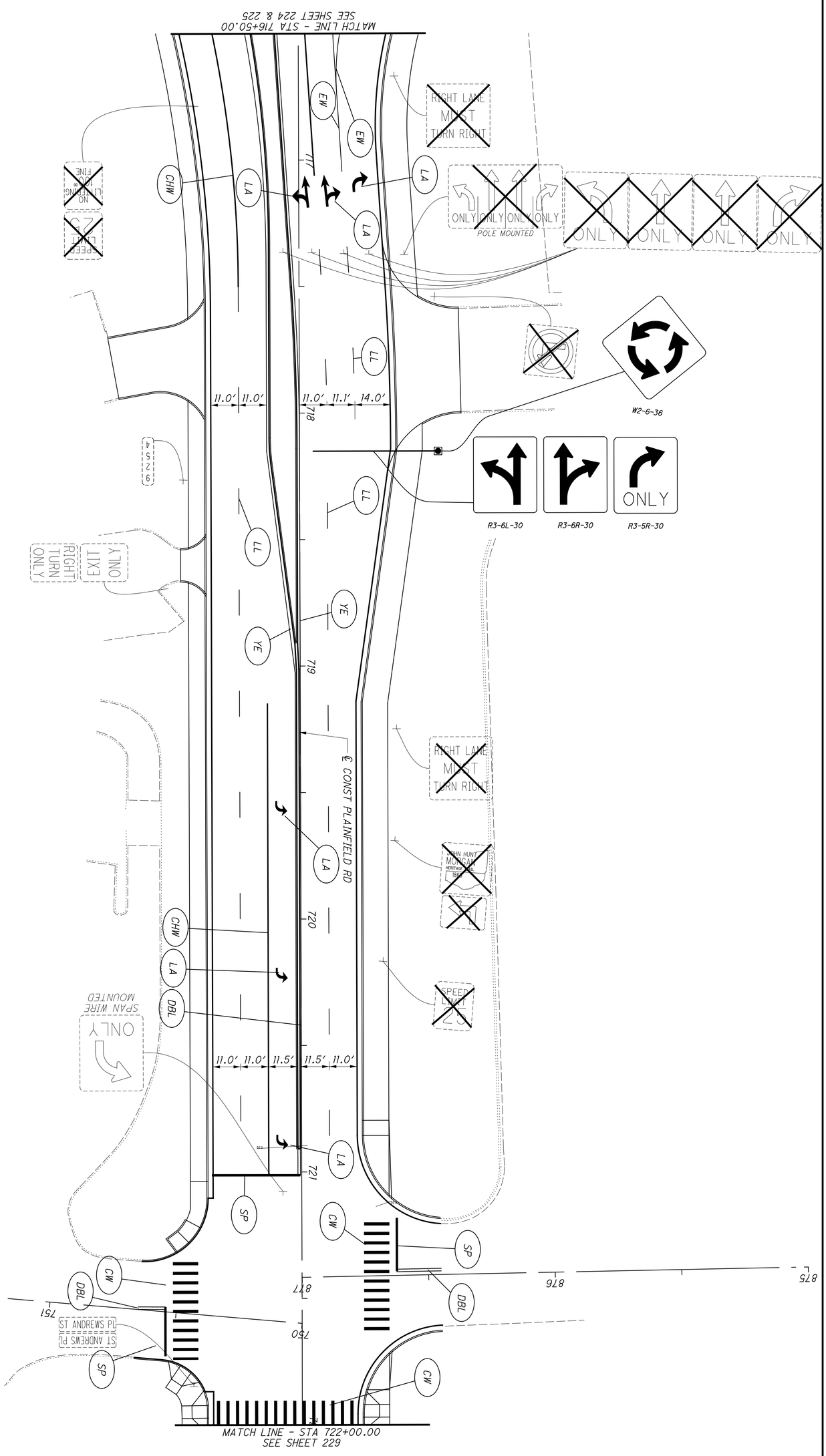

FOR LEGEND SEE SHEET 222

228 / 266	HAM-PLAINFIELD RD ROUNDABOUTS	TRAFFIC CONTROL PLAN - PLAINFIELD RD STA. 716+50.00 TO STA. 722+00.00	CALCULATED GAN / CHECKED JS	0 10 20 40 HORIZONTAL SCALE IN FEET

jschmeltzer
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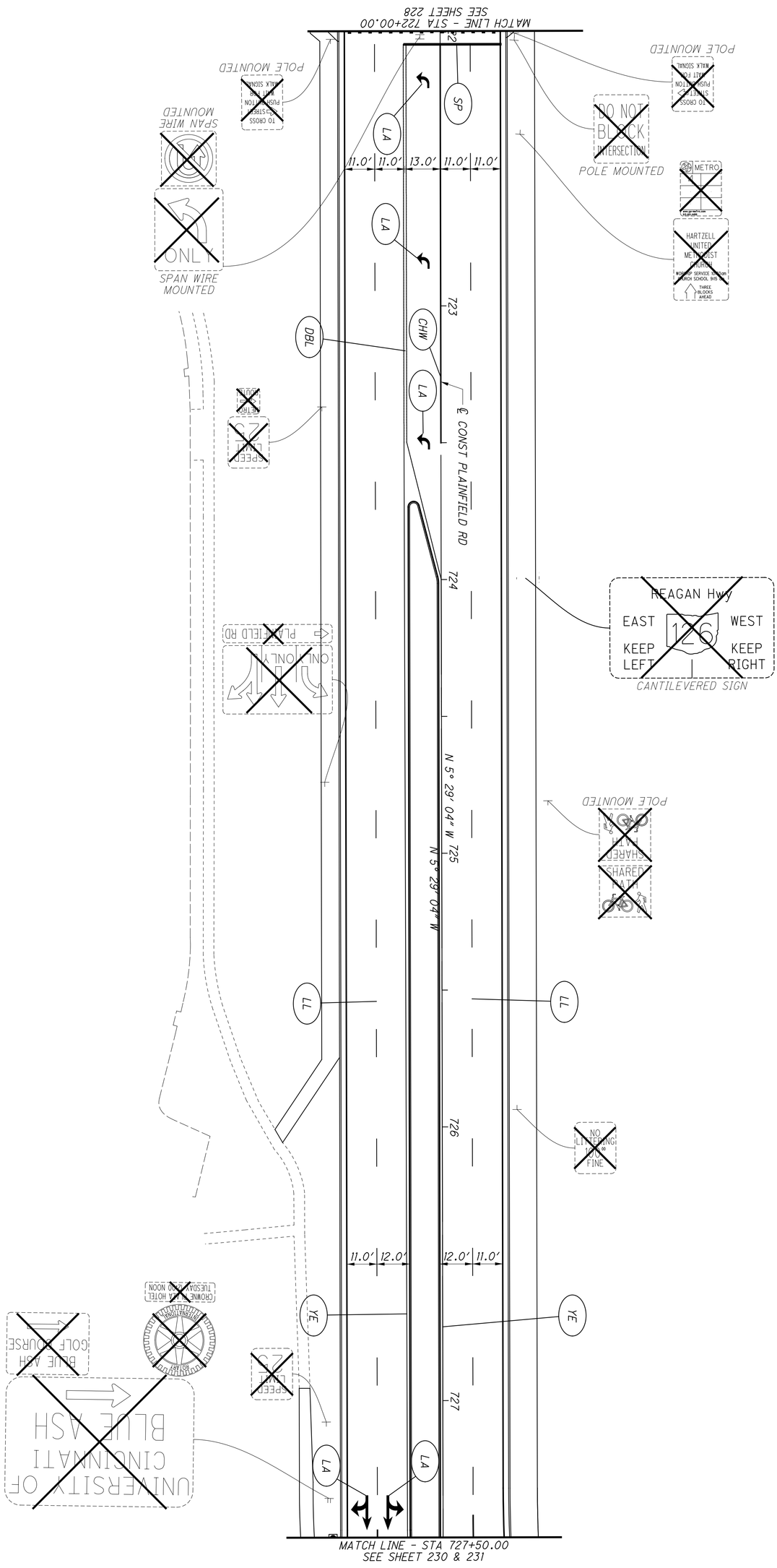
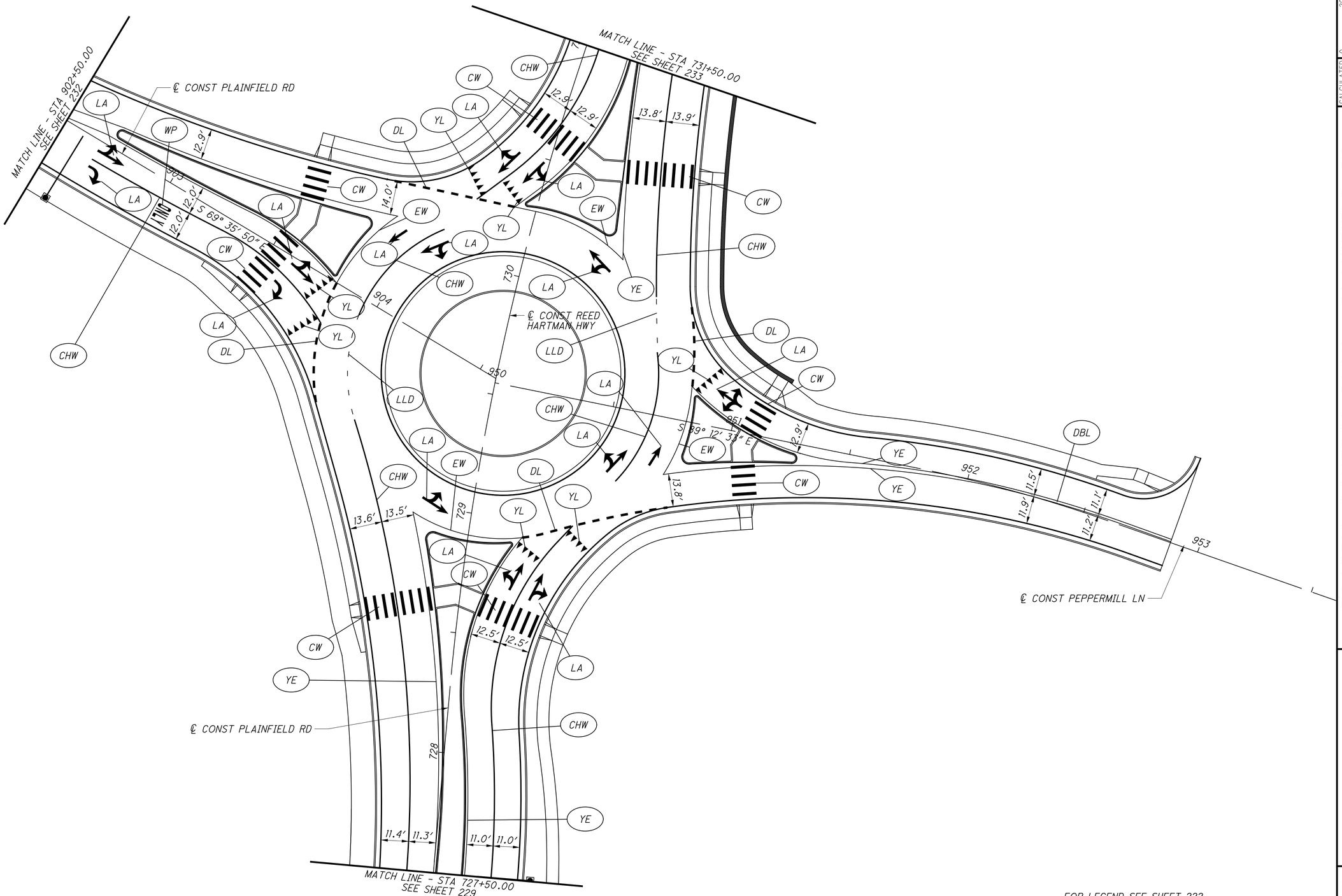


FOR LEGEND SEE SHEET 222

229 / 266	HAM-PLAINFIELD RD ROUNDABOUTS	TRAFFIC CONTROL PLAN - PLAINFIELD RD STA. 722+00.00 TO STA. 727+50.00	CALCULATED GAN / CHECKED JS	0 10 20 40 HORIZONTAL SCALE IN FEET



FOR LEGEND SEE SHEET 222

N

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED GAN
CHECKED JS

TRAFFIC CONTROL PLAN - PLAINFIELD RD
STA. 727+50.00 TO STA. 731+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:05:54 AM
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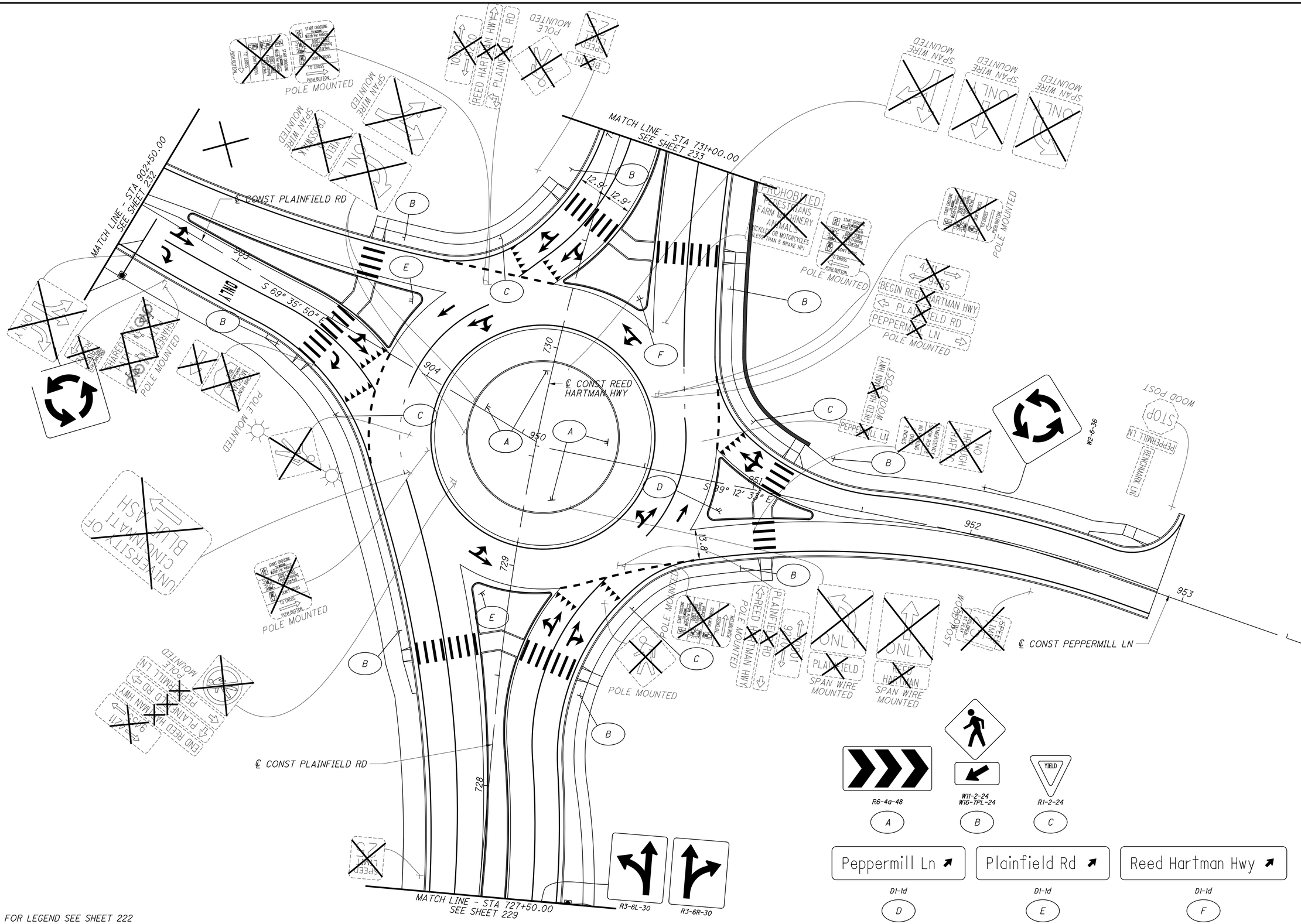

FOR LEGEND SEE SHEET 222

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED GAN
CHECKED JS

TRAFFIC CONTROL PLAN - PLAINFIELD RD
STA. 727+50.00 TO STA. 731+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
11/14/2020 7:05:55 AM
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jschmeltzer
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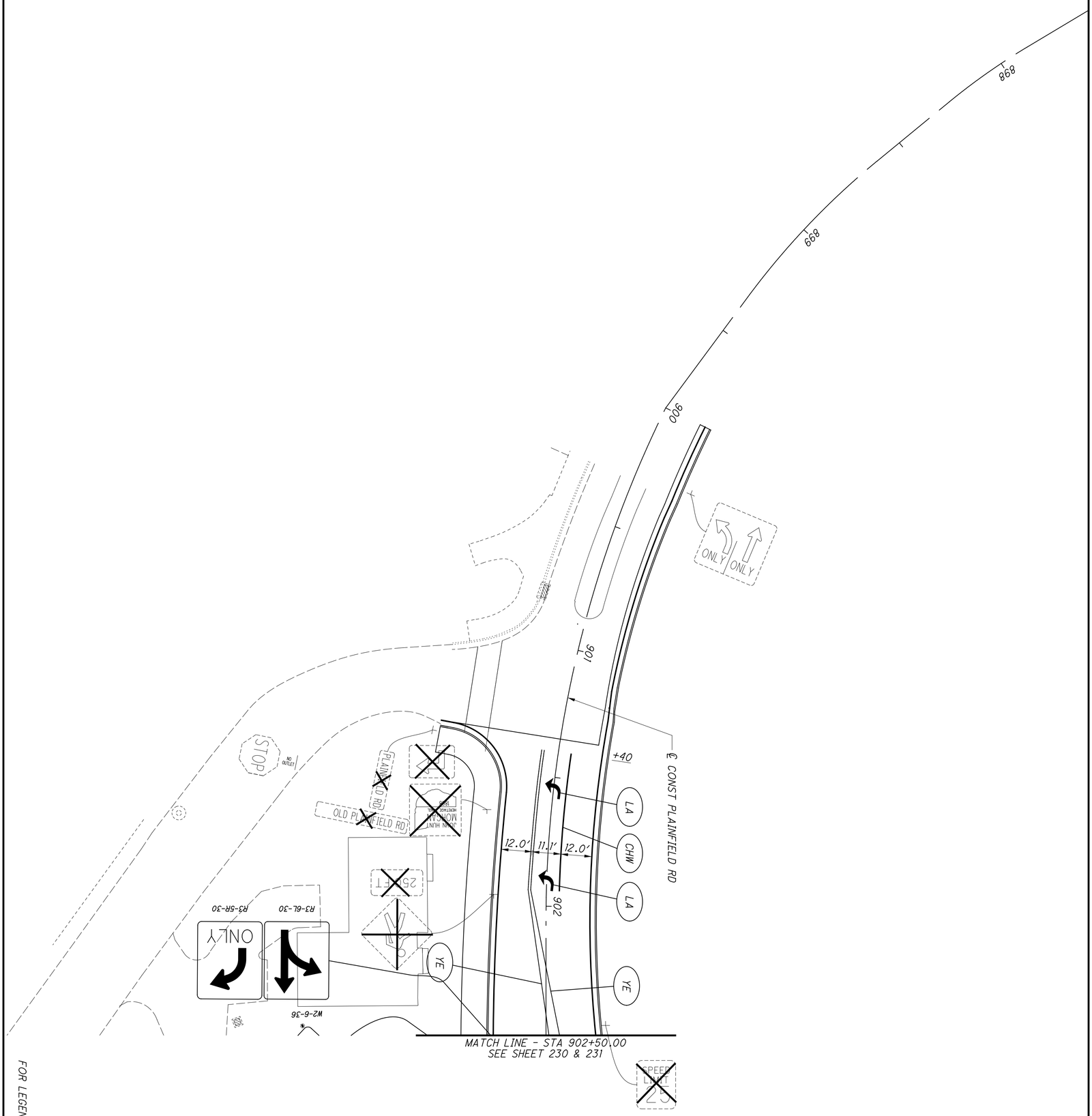

FOR LEGEND SEE SHEET 222

232 / 266	HAM-PLAINFIELD RD ROUNDABOUTS	TRAFFIC CONTROL PLAN - PLAINFIELD RD STA. 898+00.00 TO STA. 902+50.00	CALCULATED GAN / CHECKED JS	0 10 20 40 HORIZONTAL SCALE IN FEET

jschmeltzer
1/14/2020 7:05:58 AM
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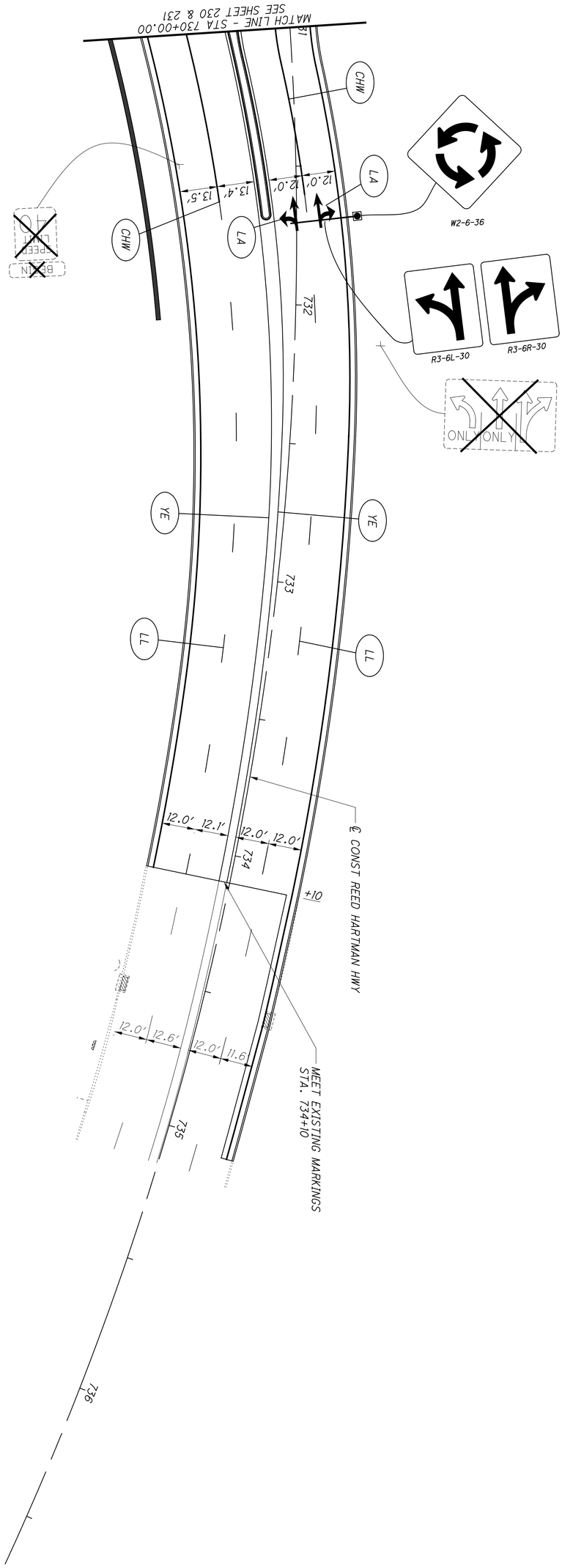
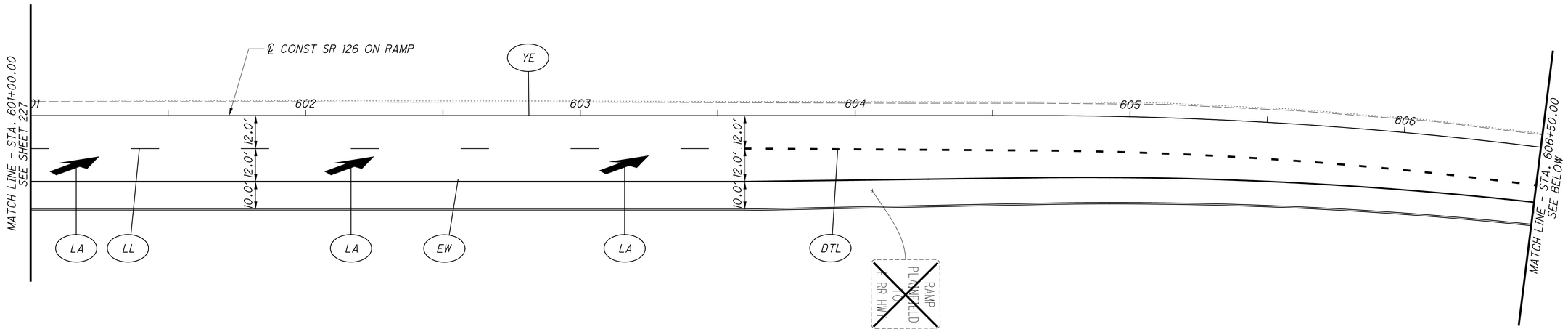
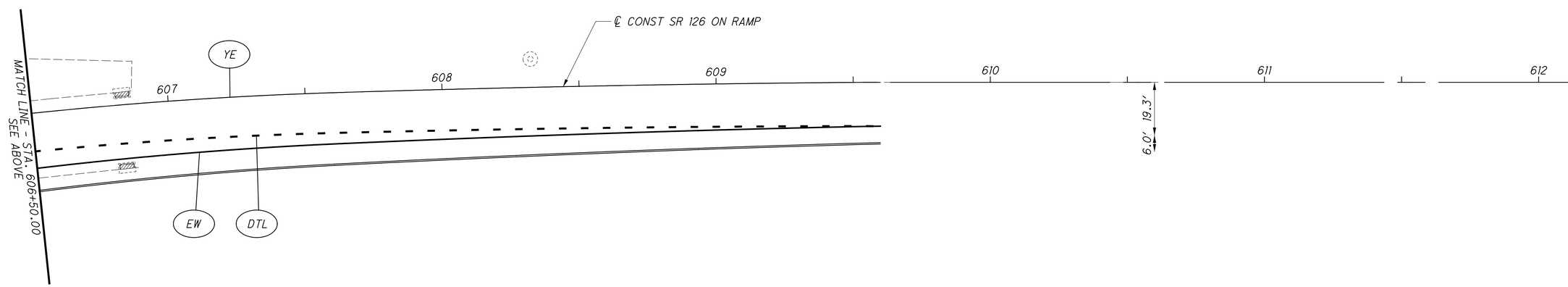


FOR LEGEND SEE SHEET 222

233 / 266	HAM-PLAINFIELD RD ROUNDABOUTS	TRAFFIC CONTROL PLAN - REED HARTMAN HWY STA. 731+50.00 TO STA. 736+00.00	CALCULATED GAN CHECKED JS	0 10 20 40 HORIZONTAL SCALE IN FEET





FOR LEGEND SEE SHEET 222

N

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED GAN
CHECKED JS

TRAFFIC CONTROL PLAN - SR 126 ENTRANCE
STA. 601+00.00 TO STA. 611+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
01/14/2020 7:06:00 AM
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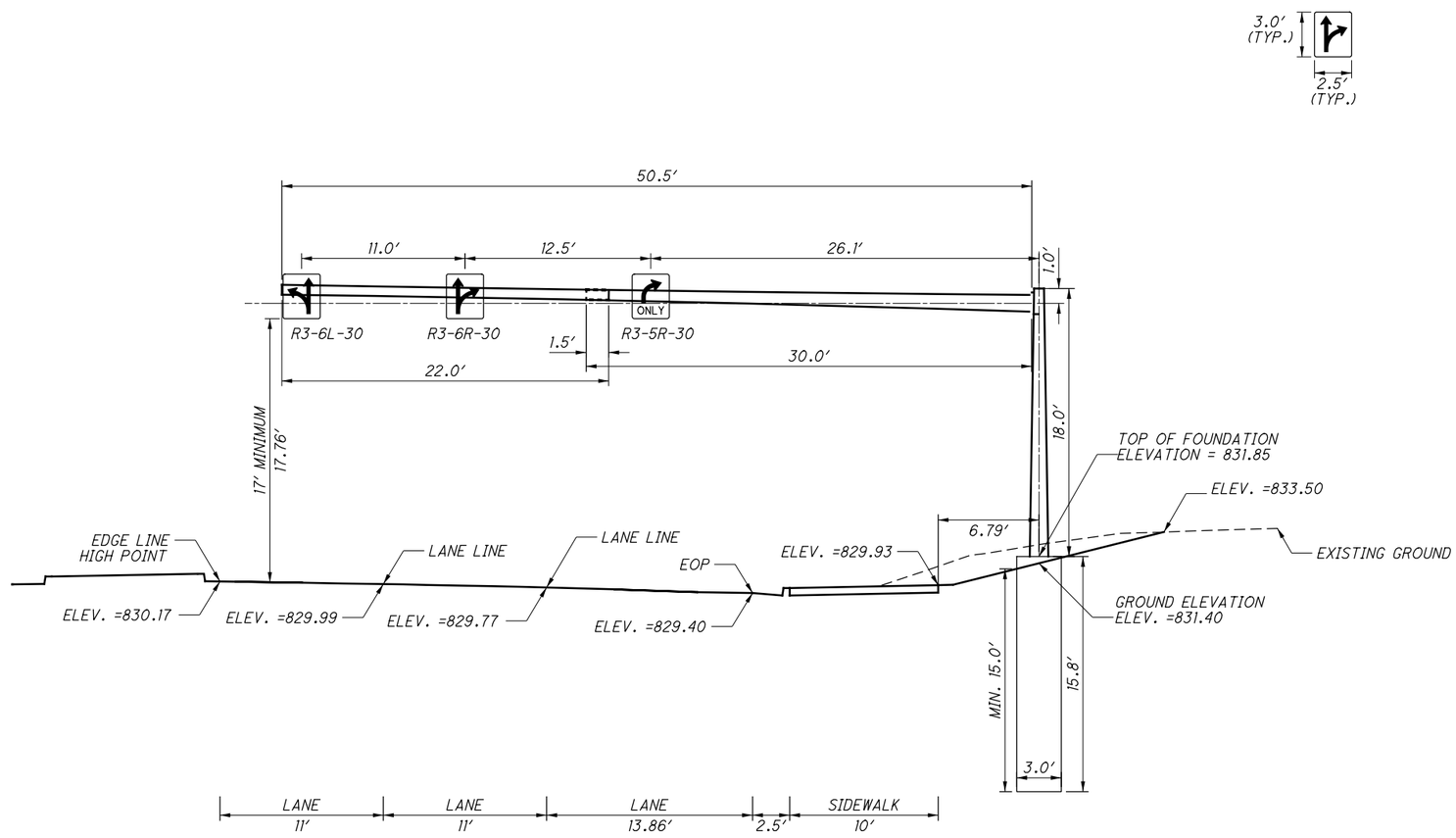

MAST ARM DESIGN

STA. 718+15.00, PLAINFIELD RD. SB
TC-16.21, DESIGN 13
TOTAL ARM = 50.5′
PROPOSED SIGN AREA = 22.5 SF

CALCULATED CDP
CHECKED JS

SIGN ELEVATION DETAILS
PLAINFIELD RD - STA 718+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:06:01 AM
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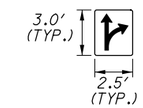

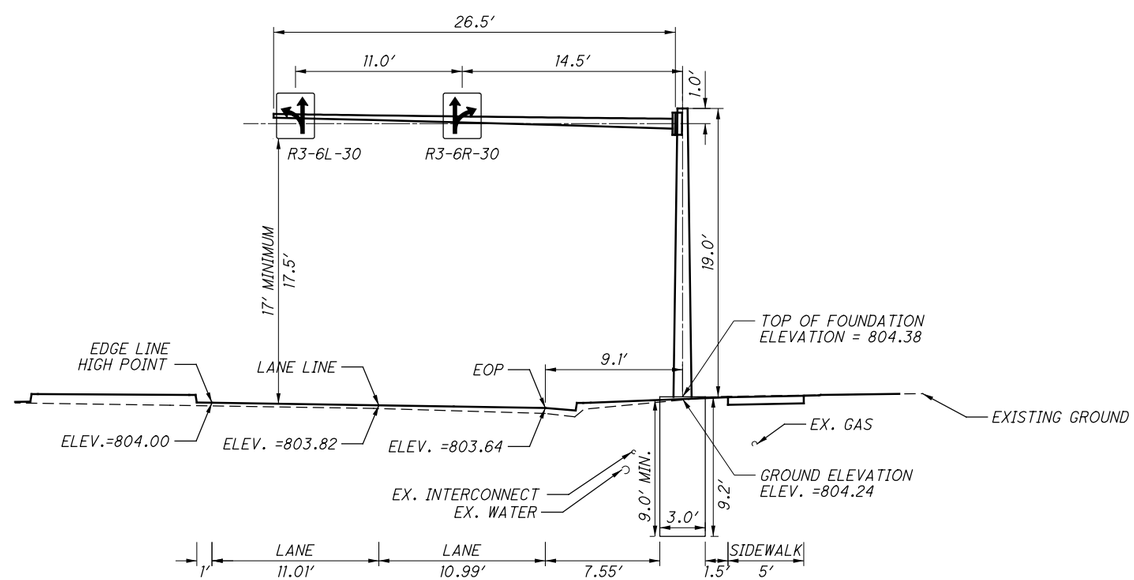

MAST ARM DESIGN

STA. 727+50.00, PLAINFIELD RD. NB
TC-16.21, DESIGN 6
TOTAL ARM = 26.5'
PROPOSED SIGN AREA = 15.0 SF

CALCULATED CDP
CHECKED JS

SIGN ELEVATION DETAILS
PLAINFIELD RD - STA 727+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:06:02 AM
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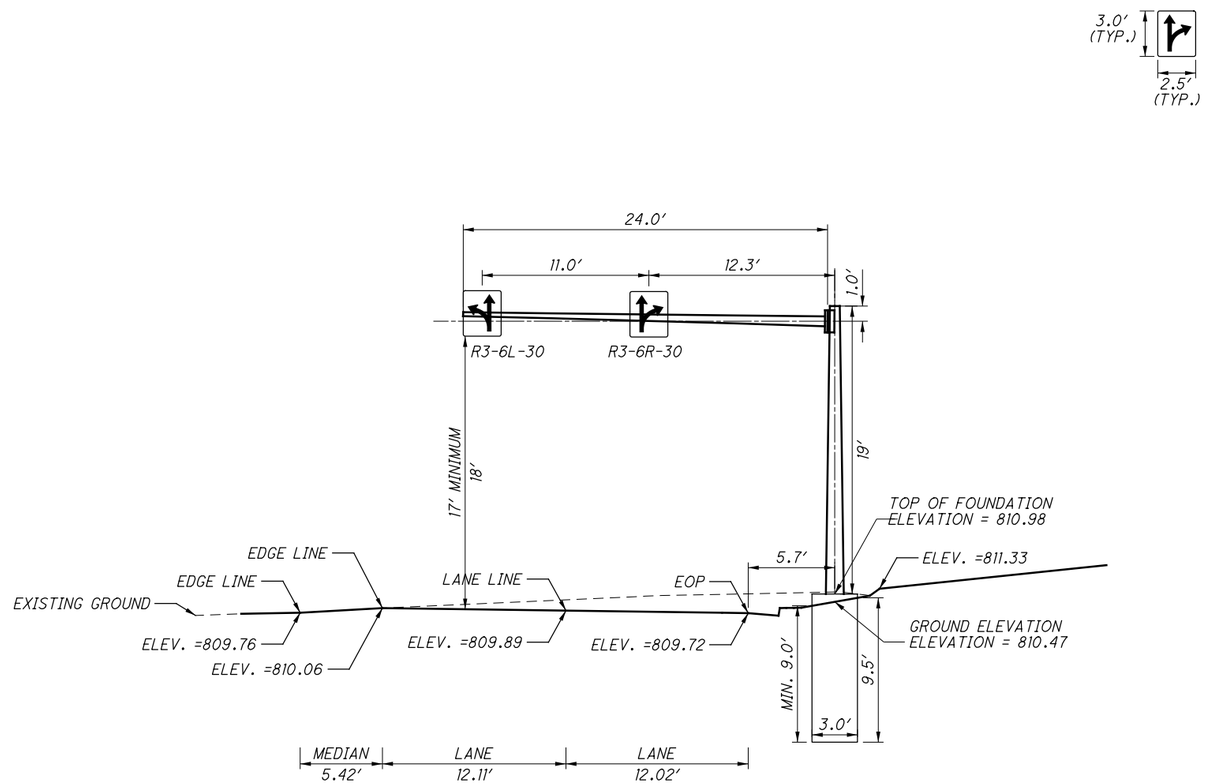

MAST ARM DESIGN

STA. 731+70.00, PLAINFIELD RD. SB
TC-16.21, DESIGN 6
TOTAL ARM = 24.0′
PROPOSED SIGN AREA = 15.0 SF

CALCULATED CDP
CHECKED JS

SIGN ELEVATION DETAILS
PLAINFIELD RD - STA 731+70.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
10/14/2020 7:06:03 AM
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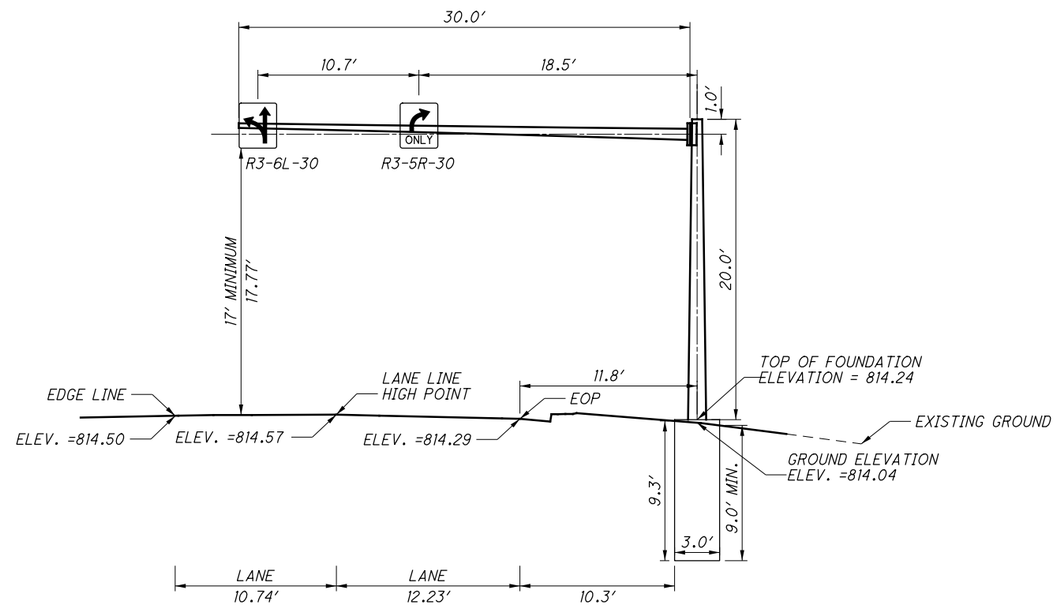

MAST ARM DESIGN

STA. 902+60.00, PLAINFIELD RD. EB
TC-16.21, DESIGN 8
TOTAL ARM = 30.0′
PROPOSED SIGN AREA = 15.0 SF

CALCULATED CDP
CHECKED JS

SIGN ELEVATION DETAILS
PLAINFIELD RD - STA 902+60.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
1/14/2020 7:06:04 AM
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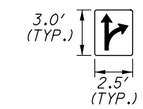

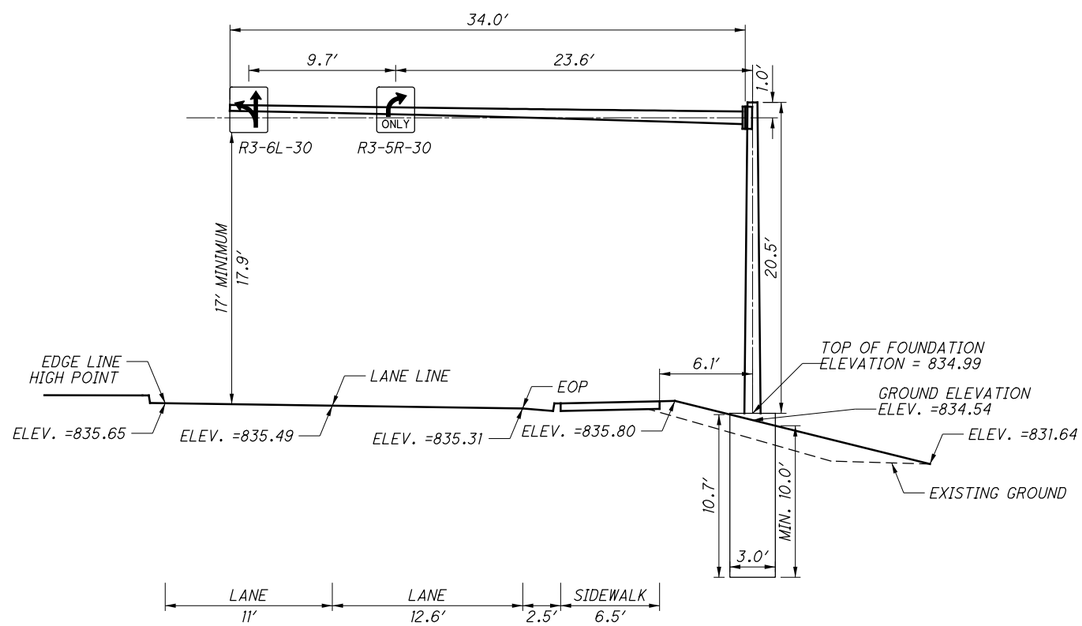

MAST ARM DESIGN

STA. 817+00.00, HUNT RD. WB
TC-16.21, DESIGN 9
TOTAL ARM = 34.0′
PROPOSED SIGN AREA = 15.0 SF

CALCULATED CDP
CHECKED JS

SIGN ELEVATION DETAILS
HUNT RD - STA 817+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer
11/14/2020 7:06:05 AM
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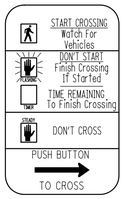
PEDESTRIAN SIGNS



R10-3E-9
2 - LEFT ARROWS
2 - RIGHT ARROWS

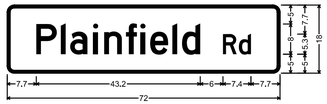
R9-3-18
GROUND MOUTNED
SN3

POLE MOUNTED
SN4
SN5, SN6

R3-1-36
SN1

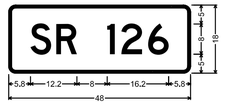
R3-2-36
SN2

STREETNAME SIGNS



1.9" Radius, 0.8" Border, White on, Green;
"Plainfield", D 2K; "Rd", D 2K;

POLE MOUNTED
D3-1
18" X 72"
SN7



1.9" Radius, 0.8" Border, White on, Green;
"SR 126", D 2K;

POLE MOUNTED
D3-1
18" X 48"
SN8, SN9

PULLBOX TABLE

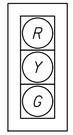
PULL BOX #	STATION	SIDE	OFFSET	SIZE (IN.)
PB-1	708+42.9	RT	63.4'	24"
PB-2	709+05.9	RT	59.1'	18"
PB-3	709+38.7	RT	52.0'	24"
PB-4	708+48.7	LT	52.7'	24"
PB-5	708+74.9	LT	66.8'	18"
PB-6	709+39.8	LT	50.6'	24"

SIGNAL HEADS

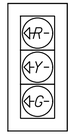
PEDESTRIAN HEADS
(LED, COUNTDOWN,
TYPE D2)

P2A, P2B,
P6A, P6B

VEHICULAR SIGNAL HEADS
(12" LENS, LED, YELLOW,
W/ REFLECTIVE BACKPLATES)



2A, 2B, 2C,
4A, 4B, 6A, 6B

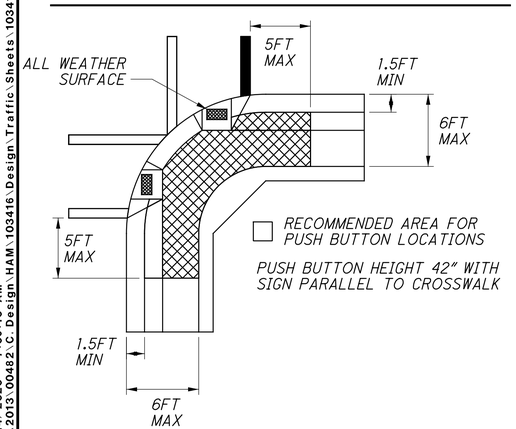


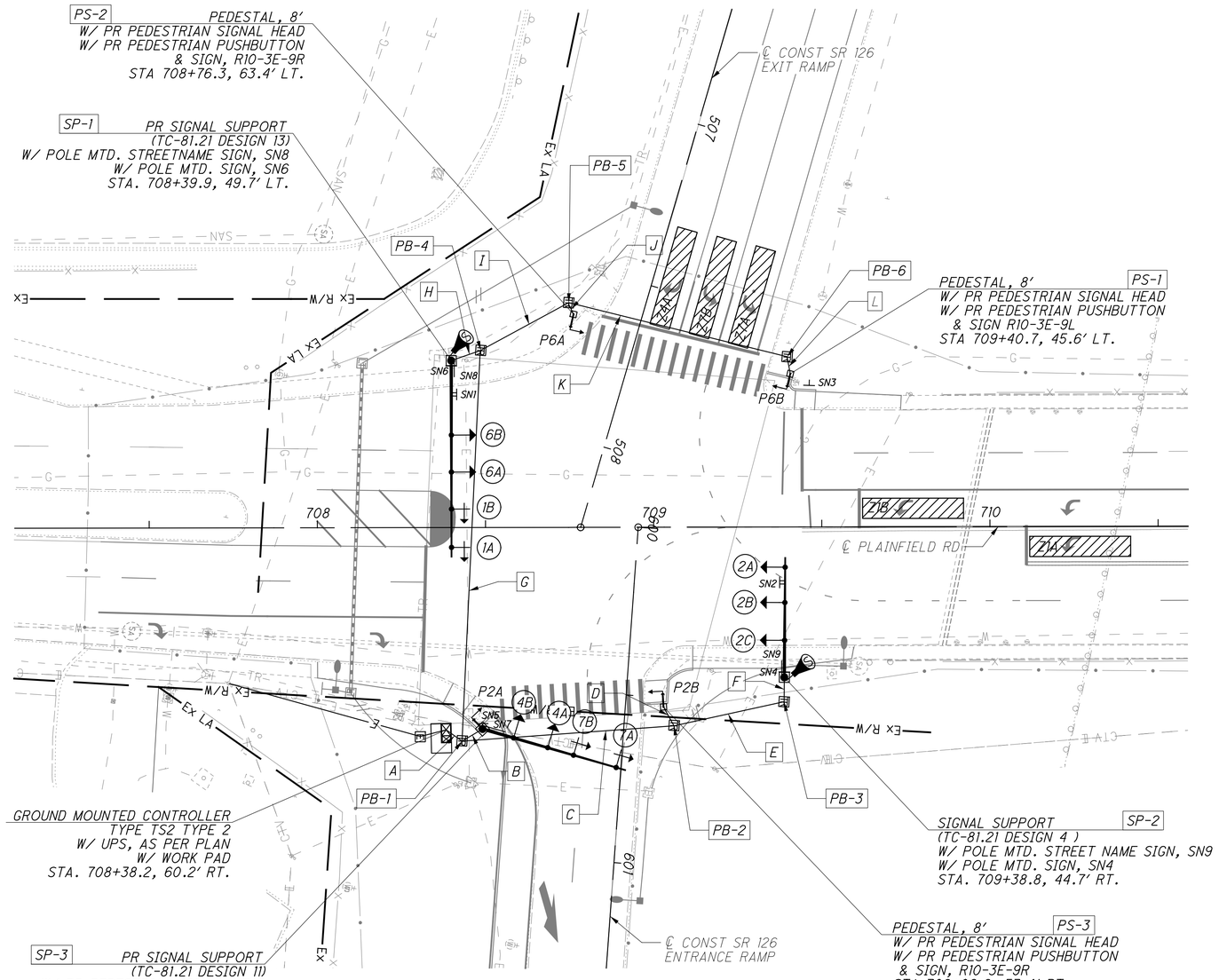
1A, 1B,
7A, 7B

CONDUIT TABLE

A	4" PVC CONDUIT	W/ SIGNAL CABLE W/ DETECTION CABLE IN TRENCH (6')
B	3" PVC CONDUIT	W/ SIGNAL CABLE W/ DETECTION CABLE IN TRENCH (7')
C	4" GALV. CONDUIT	W/ SIGNAL CABLE W/ DETECTION CABLE BORE (63')
D	2" PVC CONDUIT	W/ SIGNAL CABLE IN TRENCH (6')
E	3" PVC CONDUIT	W/ SIGNAL CABLE W/ DETECTION CABLE IN TRENCH (34')
F	3" PVC CONDUIT	W/ SIGNAL CABLE W/ DETECTION CABLE IN TRENCH (7')
G	4" GALV. CONDUIT	W/ SIGNAL CABLE BORE (116')
H	3" PVC CONDUIT	W/ SIGNAL CABLE W/ DETECTION CABLE IN TRENCH (9')
I	3" PVC CONDUIT	W/ SIGNAL CABLE IN TRENCH (30')
J	2" PVC CONDUIT	W/ SIGNAL CABLE IN TRENCH (4')
K	4" GALV. CONDUIT	W/ SIGNAL CABLE BORE (64')
L	2" PVC CONDUIT	W/ SIGNAL CABLE IN TRENCH (5')

ADA PUSHBUTTON & STRUCTURE DIAGRAM





PLAN VIEW

LEGEND

	PROP	EXIST
TRAFFIC SIGNAL, 2 UNIT, 3 UNIT, OR PHB HEAD, 12"		
TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS		
TRAFFIC SIGNAL, 4 OR 5 UNIT HEAD, 12"		
SIGNAL SUPPORT POLE		
PEDESTRIAN HEAD		
PEDESTRIAN PUSH BUTTON		
PEDESTAL SUPPORT		
CONTROLLER CABINET AND WORK PAD (TS-2) W/ UPS		
TRAFFIC PULL BOX, 18", 24"	TR	TR
TRAFFIC PULL BOX, 32", 48"	TR	TR
STOP-LINE RADAR DETECTION UNIT	S	S
DETECTION ZONE		
SIGNAL CONDUIT		
INTERCONNECT CONDUIT (FUTURE)	-TR-	-TR-

N

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED JRB
CHECKED EMS

TRAFFIC SIGNAL PLAN
HAM-PLAINFIELD RD & SR 126 RAMPS
PLAINFIELD RD ROUNDABOUTS

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SIGNAL TIMING CHART

START UP								
START IN: ALL RED	DUAL ENTRY: -			PHASES: -				
TIME FOR FLASH OR ALL RED: -	REST IN RED:			RING 1 -			RING 2 -	
FIRST PHASE(S): -	OVERLAP				A	B	C	D
COLOR DISPLAYED: -	PHASES				-	-	-	-

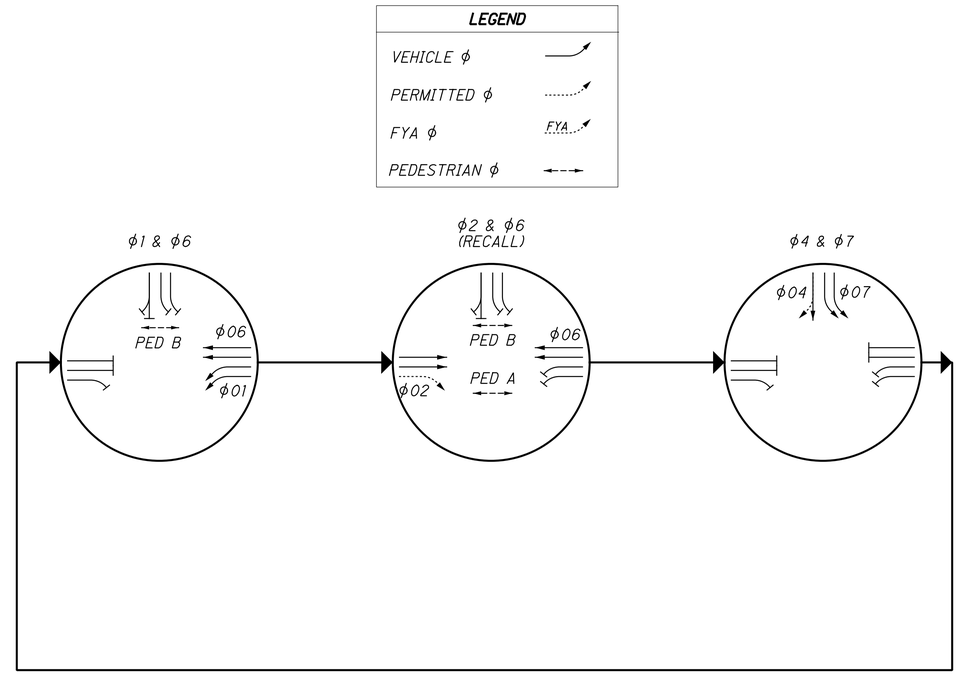
INTERVAL OR FEATURE		CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)		1	2	3	4	5	6	7	8
DIRECTION		-	-	-	-	-	-	-	-
MINIMUM GREEN (INITIAL)	(SEC.)	-	-	-	-	-	-	-	-
ADDED INITIAL	*(SEC./ACTUATION)	-	-	-	-	-	-	-	-
MAXIMUM INITIAL	(SEC.)	-	-	-	-	-	-	-	-
PASSAGE TIME (PRESET GAP)	(SEC.)	-	-	-	-	-	-	-	-
TIME BEFORE REDUCTION	*(SEC.)	-	-	-	-	-	-	-	-
MINIMUM GAP	*(SEC.)	-	-	-	-	-	-	-	-
TIME TO REDUCE	*(SEC.)	-	-	-	-	-	-	-	-
MAXIMUM GREEN I	(SEC.)	-	-	-	-	-	-	-	-
MAXIMUM GREEN II	(SEC.)	-	-	-	-	-	-	-	-
YELLOW CHANGE	(SEC.)	-	-	-	-	-	-	-	-
ALL RED CLEARANCE	(SEC.)	-	-	-	-	-	-	-	-
WALK	(SEC.)	-	-	-	-	-	-	-	-
PEDESTRIAN CLEARANCE	(SEC.)	-	-	-	-	-	-	-	-
RECALL MAXIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
RECALL MINIMUM	(ON/OFF)	-	-	-	-	-	-	-	-
RECALL PEDESTRIAN	(ON/OFF)	-	-	-	-	-	-	-	-
MEMORY	(ON/OFF)	-	-	-	-	-	-	-	-

*VOLUME DENSITY CONTROLS

NOTES:

- ALL MOVEMENTS SHALL BE ACTUATED. THE PRIMARY THRU MOVEMENT SHOULD HAVE MIN RECALL ACTIVE TO REST IN GREEN.
- FOR PROTECTED/PERMISSIVE PHASES, IMPLEMENT CALL OMITS TO AVOID YELLOW BALL TRAP.
- ENABLE ϕ1 DETECTOR SWITCHING TO ALLOW ϕ1 TO EXTEND ϕ6 WHEN ALLOCATED GREEN TIME FOR LEFT TURN PHASES ARE EXHAUSTED.
- COUNTDOWN PEDESTRIAN SIGNALS SHALL GO TO ZERO ON YELLOW PER OMUTCD FIGURE 4E-2.
- ALL DETECTOR DELAYS SHALL BE PLACED IN THE CONTROLLER.

PHASING DIAGRAM



RADAR DETECTION CHART

DETECTION ZONE	MOVEMENT	PULSE OR PRESENCE	ASSOCIATED PHASE	DELAY PROGRAMMED IN CONTROLLER (SEC.)	EXTENSION PROGRAMMED IN CONTROLLER (SEC.)	DELAY INHIBITED PHASE	PURPOSE	DETECTION ZONE LENGTH (FT)
Z1A	SBL	PRESENCE	1	-	-	-	Stop-Line	30
Z1B	SBL	PRESENCE	1	-	-	-	Stop-Line	30
Z4A	EBTR	PRESENCE	4	-	-	-	Stop-Line	30
Z7A	EBL	PRESENCE	7	-	-	-	Stop-Line	30
Z7B	EBL	PRESENCE	7	-	-	-	Stop-Line	30

CALCULATED JRB
CHECKED EMS

TRAFFIC SIGNAL PLAN DETAIL
PLAINFIELD RD & SR 126 RAMPS

HAM-PLAINFIELD RD
ROUNDABOUTS

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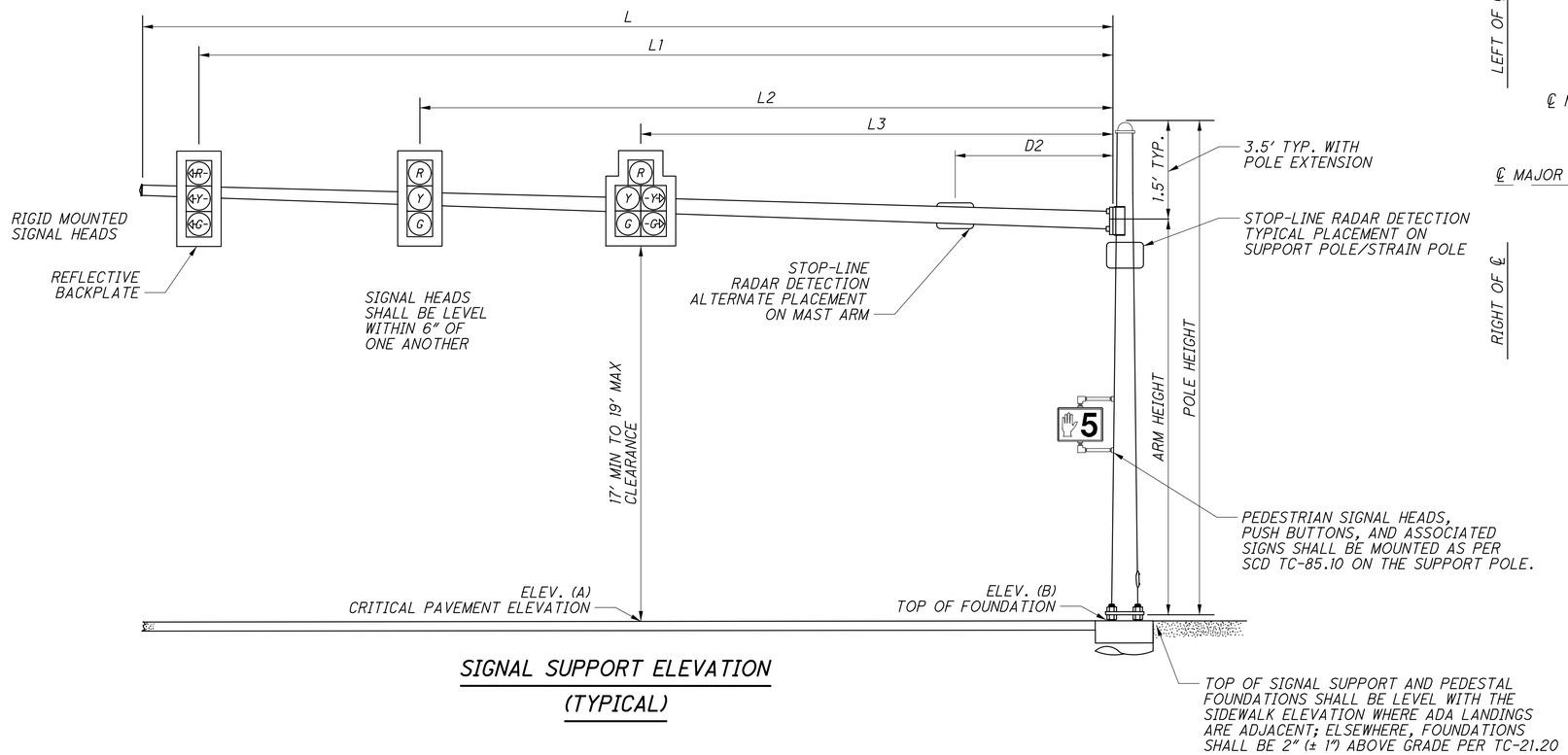
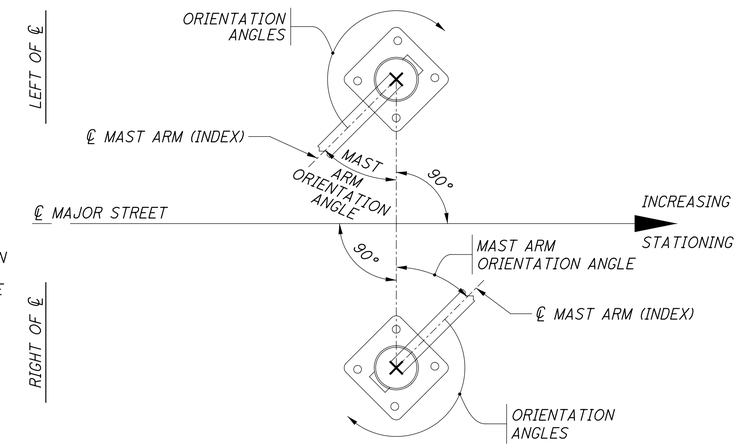


SIGNAL SUPPORT ELEVATION (TYPICAL)



POLE ORIENTATION

MAST ARM TABLE

SUPPORT NO.	STATION	OFFSET	ELEVATION		SIGNAL SUPPORT DETAILS											ORIENTATION ANGLES FROM MAST ARM							
			A (Pavt. Elev.)	B (Top of Found.)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	L4	SN1	X	MAST ARM A ANGLE	PEDESTRIAN SIGNAL	PEDESTRIAN PUSHBUTTON	POWER SERVICE	SIGNAL CABINET	BRACKET ARM	HANDHOLE	CABLE ENTRANCE 12" FROM TOP
							FT	FT	FT	FT	FT	FT	FT	FT	FT	DEG	DEG	DEG	DEG	DEG	DEG	DEG	DEG
SP-1	708+39.9	49.7' LT	864.5	864.19	TC-81.21	13	20.5	19.0	58	55	43.5	32.5	21.5	10	-	0	-	-	-	-	-	180	-
SP-2	709+38.8	44.7' RT	862.1	862.17	TC-81.21	4	20.5	19.0	35	32	21.5	10.5	-	28	-	0	-	-	-	-	-	180	-
SP-3	708+49.0	59.9' RT	862.6	863.67	TC-81.21	11	20.0	18.5	44	41	27.5	19.5	9	-	-	106	150	150	-	-	-	119	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CALCULATED JRB
CHECKED EMS

TRAFFIC SIGNAL PLAN DETAIL
PLAINFIELD RD & SR 126 RAMPS

HAM-PLAINFIELD RD ROUNDABOUTS

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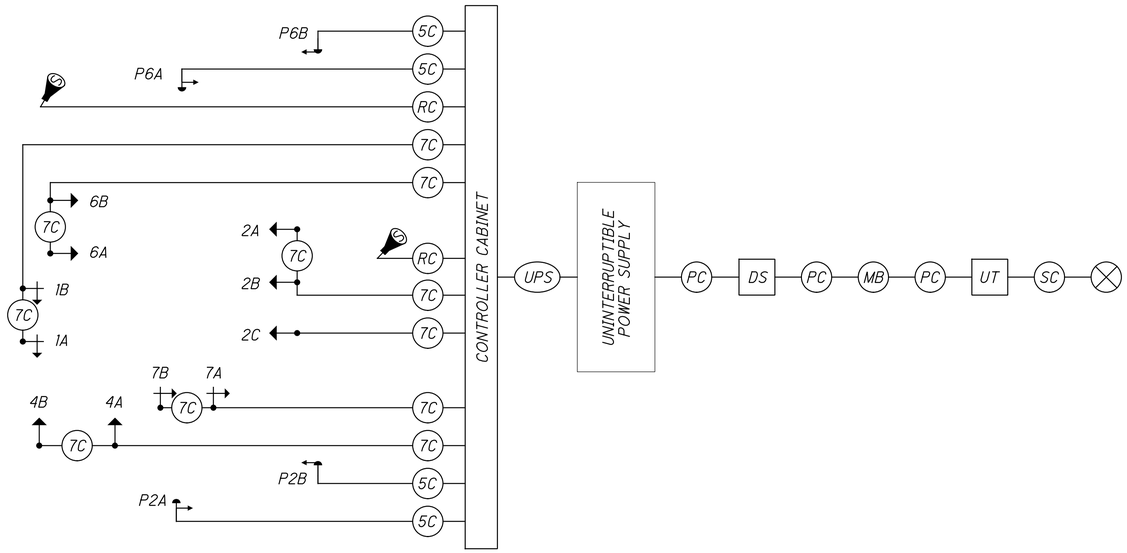
WIRING DIAGRAM



FIELD WIRING HOOK-UP CHART

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH	SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
1A	<--R---	ϕ1 R	R	7A	<--R---	ϕ7 R	R
	<--Y---	ϕ1 Y			<--Y---	ϕ7 Y	
(SB LT)	<--G---	ϕ1 G		(EB LT)	<--G---	ϕ7 G	
1B	<--R---	ϕ1 R	R	7B	<--R---	ϕ7 R	R
	<--Y---	ϕ1 Y			<--Y---	ϕ7 Y	
(SB LT)	<--G---	ϕ1 G		(EB LT)	<--G---	ϕ7 G	
6A	R	ϕ6 R	R	4A	R	ϕ4 R	R
	Y	ϕ6 Y			Y	ϕ4 Y	
(SB)	G	ϕ6 G		(EB)	G	ϕ4 G	
6B	R	ϕ6 R	R	4B	R	ϕ4 R	R
	Y	ϕ6 Y			Y	ϕ4 Y	
(SB)	G	ϕ6 G		(EB)	G	ϕ4 G	
2A	R	ϕ2 R	R	PEDESTRIAN MOVEMENTS			
	Y	ϕ2 Y		PED A	W	ϕ2 PED / LS 2P G	OUT
(NB)	G	ϕ2 G			DW	ϕ2 PED / LS 2P R	
2B	R	ϕ2 R	R	PED B	W	ϕ6 PED / LS 6P G	OUT
	Y	ϕ2 Y			DW	ϕ6 PED / LS 6P R	
(NB)	G	ϕ2 G		OVERLAPS			
2C	R	ϕ2 R	R	-	-	-	-
	Y	ϕ2 Y			-	-	
(NB)	G	ϕ2 G		-	-	-	-
LS = LOAD SWITCH					-	-	

LEGEND

- TRAFFIC SIGNAL, 2 UNIT, 3 UNIT, OR PHB HEAD 12"
- TRAFFIC SIGNAL, 3 UNIT HEAD, 12" WITH ARROWS
- PEDESTRIAN SIGNAL
- PEDESTRIAN PUSH BUTTON
- STOP LINE RADAR DETECTION UNIT
- 5C — SIGNAL CABLE, 5 CONDUCTOR, NO. XX AWG
- 7C — SIGNAL CABLE, 7 CONDUCTOR, NO. XX AWG
- RC — RADAR DETECTION CABLE
- INT — INTERCONNECT CABLE
- SC — SERVICE CABLE, 3 CONDUCTOR, NO. X AWG
- PC — POWER CABLE, 2 CONDUCTOR, NO. X AWG
- POWER SOURCE
- SP 1 — SIGNAL SUPPORT POLE NO. __
- MB — METER BASE
- DS — SIGNAL DISCONNECT SWITCH
- UPS — UNINTERRUPTIBLE POWER SUPPLY CABLE

CALCULATED JRB
CHECKED EMS

TRAFFIC SIGNAL PLAN DETAIL
PLAINFIELD RD & SR 126 RAMPS

HAM-PLAINFIELD RD ROUNDABOUTS

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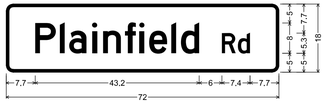
STREETNAME SIGNS

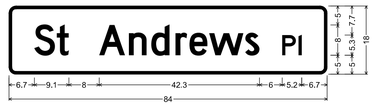


1.9" Radius, 0.8" Border, White on, Green;
"Plainfield", D 2K; "Rd", D 2K;

POLE MOUNTED
D3-1
18" X 72"
SN1, SN3

1.9" Radius, 0.8" Border, White on, Green;
"Georgetown", D 2K; "Rd", D 2K;

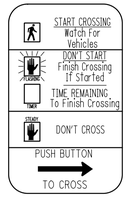
POLE MOUNTED
D3-1
18" X 84"
SN2



1.9" Radius, 0.8" Border, White on, Green;
"St Andrews", D 2K; "Pl", D 2K;

POLE MOUNTED
D3-1
18" X 84"
SN 4

PEDESTRIAN SIGNS



R10-3E-9
2 - LEFT ARROWS
2 - RIGHT ARROWS

R9-3-18

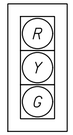
POLE MOUNTED
SN5, SN6

SIGNAL HEADS

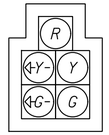
PEDESTRIAN HEADS
(LED, COUNTDOWN,
TYPE D2)

P2A, P2B
P6A, P6B
P8A, P8B

VEHICULAR SIGNAL HEADS
(12" LENS, LED, YELLOW,
W/ REFLECTIVE BACKPLATES)



2B, 4A, 4B,
6B, 8A, 8B



2A, 6A

CONDUIT TABLE

A 3" PVC CONDUIT
W/ SIGNAL CABLE
W/ DETECTION CABLE
IN TRENCH (5')

B 4" GALV. CONDUIT
W/ SIGNAL CABLE
W/ DETECTION CABLE
BORE (80')

C 3" PVC CONDUIT
W/ SIGNAL CABLE
W/ DETECTION CABLE
W/ (2) 4" MULTICELL CONDUIT
W/ TRACER WIRE FOR
FUTURE INTERCONNECT
IN TRENCH (41')

D 3" PVC CONDUIT
W/ SIGNAL CABLE
W/ DETECTION CABLE
W/ (2) 4" MULTICELL CONDUIT
W/ TRACER WIRE FOR
FUTURE INTERCONNECT
IN TRENCH (17')

E 4" GALV. CONDUIT
W/ SIGNAL CABLE
W/ DETECTION CABLE
W/ (2) 4" MULTICELL CONDUIT
W/ TRACER WIRE FOR
FUTURE INTERCONNECT
BORE (54')

F 3" PVC CONDUIT
W/ SIGNAL CABLE
W/ DETECTION CABLE
IN TRENCH (20')

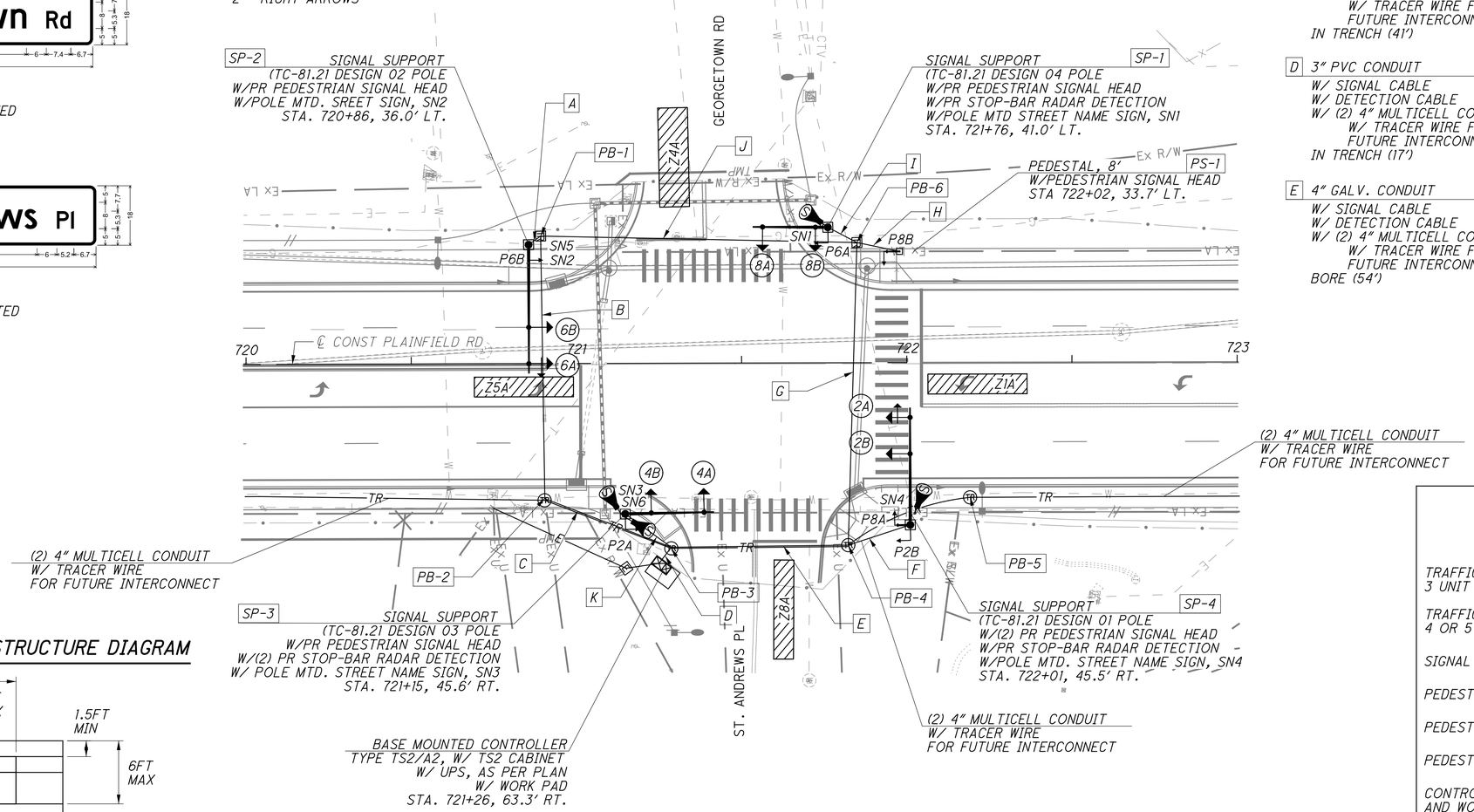
G 4" GALV. CONDUIT
W/ SIGNAL CABLE
BORE (91')

H 3" PVC CONDUIT
W/ SIGNAL CABLE
IN TRENCH (14')

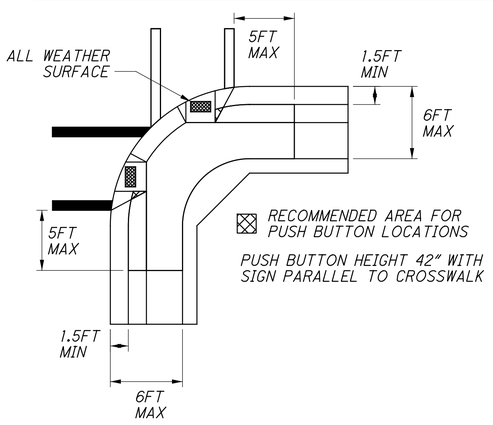
I 3" PVC CONDUIT
W/ SIGNAL CABLE
IN TRENCH (10')

J 4" GALV. CONDUIT
W/ SIGNAL CABLE
W/ DETECTION CABLE
BORE (96')

K 3" PVC CONDUIT
W/ SIGNAL CABLE
W/ DETECTION CABLE
BORE (96')



ADA PUSHBUTTON & STRUCTURE DIAGRAM



NOTE:
1. SEE SHEET -- FOR INTERCONNECT DETAILS

PULLBOX TABLE

PULL BOX#	STATION	SIDE	OFFSET	SIZE (IN.)
PB-1	720+89.3	LT	38.6	24
PB-2	720+90.3	RT	40.9	32
PB-3	721+28.6	RT	56.0	48
PB-4	721+82.2	RT	55.2	32
PB-5	722+19.1	RT	40.8	32
PB-6	721+85.0	LT	36.4	24

LEGEND

	PROP	EXIST
TRAFFIC SIGNAL, 3 UNIT HEAD, 12"		
TRAFFIC SIGNAL, 4 OR 5 UNIT HEAD, 12"		
SIGNAL SUPPORT POLE		
PEDESTRIAN SIGNAL		
PEDESTRIAN PUSH BUTTON		
PEDESTAL SUPPORT		
CONTROLLER CABINET AND WORK PAD (TS-2) W/ UPS		
TRAFFIC PULL BOX , 18", 24"	TR	TR
TRAFFIC PULL BOX, 32", 48"	TR	TR
STOP BAR RADAR DETECTION UNIT	S	S
DETECTION ZONE		
SIGNAL CONDUIT		
INTERCONNECT CONDUIT (FUTURE)	-TR-	-TR-

N

0 10 20 40
HORIZONTAL SCALE IN FEET

CALCULATED JRB
CHECKED EMS

TRAFFIC SIGNAL PLAN
PLAINFIELD RD & GEORGETOWN RD

HAM-PLAINFIELD RD ROUNDABOUTS

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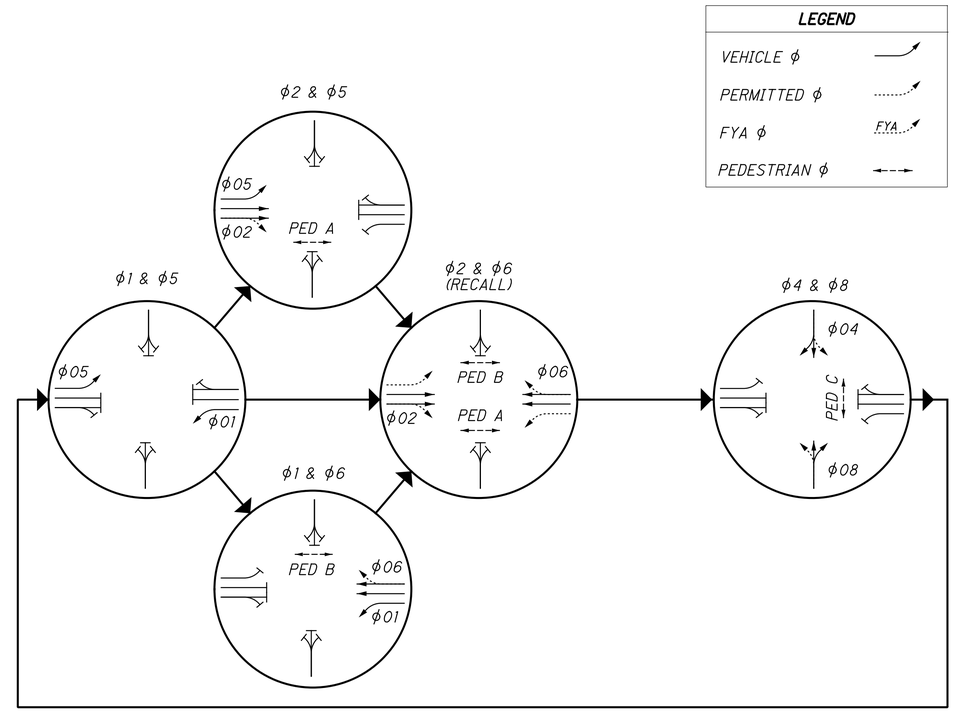
PHASING DIAGRAM (TYPICAL)



RADAR DETECTION CHART

DETECTION ZONE	MOVEMENT	PULSE OR PRESENCE	ASSOCIATED PHASE	DELAY PROGRAMMED IN CONTROLLER (SEC.)	EXTENSION PROGRAMMED IN CONTROLLER (SEC.)	DELAY INHIBITED PHASE	PURPOSE	DETECTION ZONE LENGTH (FT)
Z1A	SB LT	PRESENCE	1				STOP-LINE	30
Z4A	EB LT/RT	PRESENCE	4				STOP-LINE	30
Z5A	NB LT	PRESENCE	5				STOP-LINE	30
Z8A	WB LT/RT	PRESENCE	8				STOP-LINE	30

Purpose: Stop-Line or Advance Detection

NOTES:

- ALL MOVEMENTS SHALL BE ACTUATED. THE PRIMARY THRU MOVEMENT SHOULD HAVE MIN RECALL ACTIVE TO REST IN GREEN.
- FOR PROTECTED/PERMISSIVE PHASES, IMPLEMENT CALL OMITS TO AVOID YELLOW BALL TRAP.
- ENABLE ϕ1, 3 & ϕ5, 7 DETECTOR SWITCHING TO ALLOW ϕ1 & ϕ5 TO EXTEND ϕ2 & ϕ6 OR ϕ3 & ϕ7 TO EXTEND ϕ4 & ϕ8, RESPECTIVELY, WHEN ALLOCATED GREEN TIME FOR LEFT TURN PHASES ARE EXHAUSTED.
- COUNTDOWN PEDESTRIAN SIGNALS SHALL GO TO ZERO ON YELLOW PER OMUTCD FIGURE 4E-2.
- RADAR DETECTION UNITS FOR DILEMMA ZONE DETECTION SHALL PLACE A CONSTANT CALL TO THE CONTROLLER WHEN VEHICLES TRAVEL TIMES TO THE STOP BAR ARE BETWEEN 2.5 AND 6 SECONDS. SPEED TRIGGER SHALL BE SET FOR VEHICLES TRAVELING 35 MPH AND GREATER.
- RADAR SHALL HAVE QUEUE DETECTION CONFIGURED AND A ZONE PLACED AT 100-200 FEET FROM STOP BAR FOR SLOW MOVING VEHICLE EXTENSIONS. SPEED TRIGGER SHALL BE SET AT 1-35 MPH.
- ALL DETECTOR DELAYS SHALL BE PLACED IN THE CONTROLLER.

CALCULATED JRB
CHECKED EMS

TRAFFIC SIGNAL PLAN DETAIL
PLAINFIELD RD & GEORGETOWN RD

HAM-PLAINFIELD RD ROUNDABOUTS

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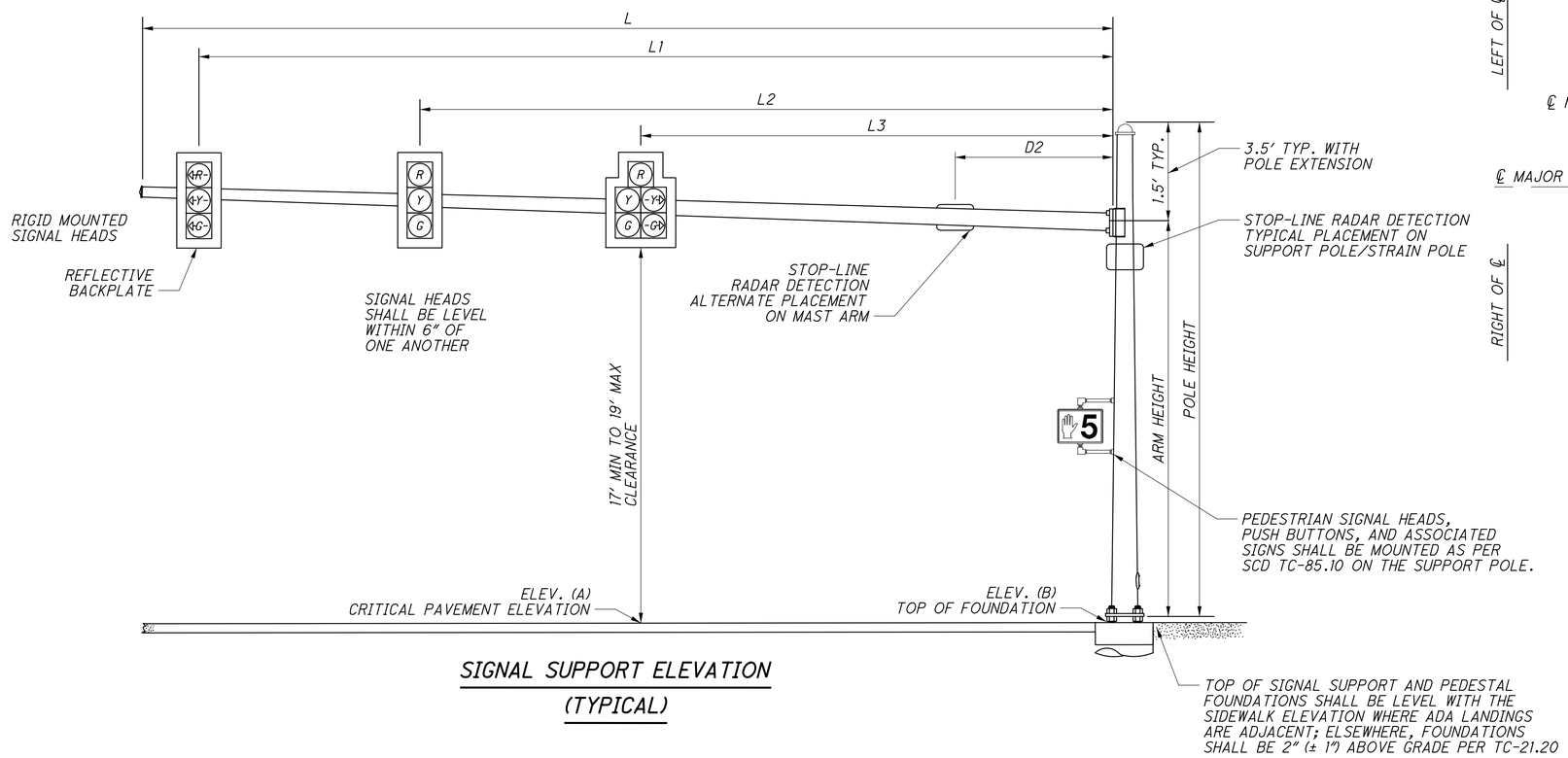
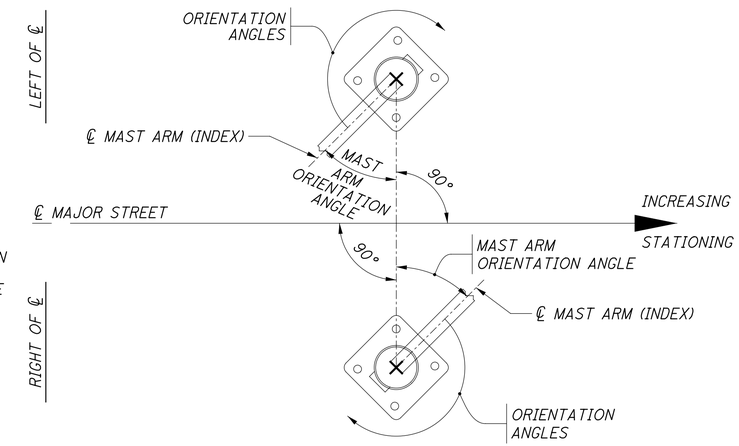


SIGNAL SUPPORT ELEVATION
(TYPICAL)



POLE ORIENTATION

MAST ARM TABLE

SUPPORT NO.	STATION	OFFSET	ELEVATION		SIGNAL SUPPORT DETAILS											ORIENTATION ANGLES FROM MAST ARM								
			A (Pavt. Elev.)	B (Top of Found.)	DESIGN TYPE	DESIGN NO.	POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	D1	D2	X	MAST ARM A ANGLE	MAST ARM B ANGLE	PEDESTRIAN SIGNAL	PEDESTRIAN PUSHBUTTON	POWER SERVICE	SIGNAL CABINET	BRACKET ARM	HANDHOLE	CABLE ENTRANCE 12" FROM TOP
							FT	FT	FT	FT	FT	FT	FT	FT	FT	DEG	DEG	DEG	DEG	DEG	DEG	DEG	DEG	DEG
SP-1	721+76	41	815.33	815.50	TC 81.21	4	25.5	24	38	35	24	-	-	-	-	90	-	270	-	-	-	-	180	-
SP-2	720+86	36	820.32	820.49	TC 81.21	2	19	17.5	26	23	7	-	-	-	-	0	-	0	-	-	-	-	180	-
SP-3	721+15	45.6	819.19	819.36	TC 81.21	3	18	16.5	34.5	31.5	20.5	-	-	-	-	90	-	90	-	-	-	-	90	-
SP-4	722+01	45.5	815.84	816.01	TC 81.21	1	23.5	22	21.5	18.5	2.5	-	-	-	-	0	-	180/270	270	-	-	-	180	-

CALCULATED JRB
CHECKED EMS

TRAFFIC SIGNAL PLAN DETAIL
PLAINFIELD RD & GEORGETOWN RD

HAM-PLAINFIELD RD ROUNDABOUTS

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11/14/2020
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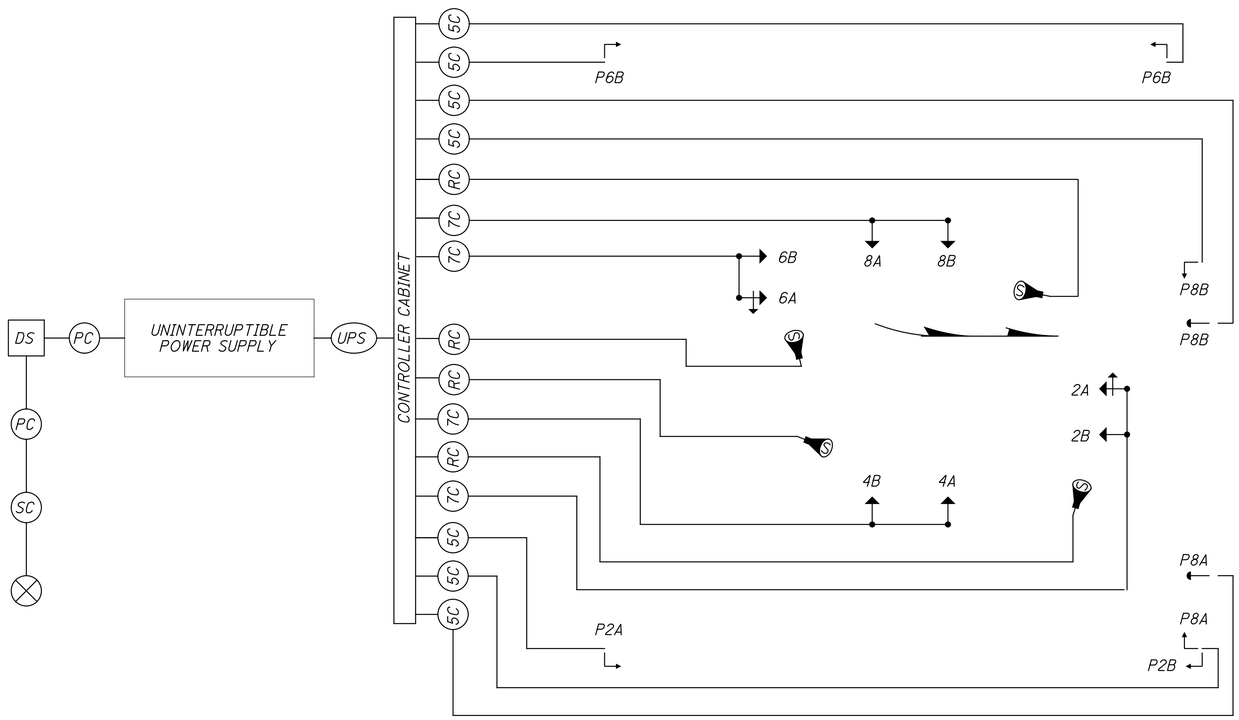
WIRING DIAGRAM



FIELD WIRING HOOK-UP CHART

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
6A	R	6R	-
	Y	6Y	
	G	6G	
(SB)	<--Y---	1Y	
	<--G---	1G	
6B	R	6R	-
	Y	6Y	
	G	6G	
-	-	-	
	-	-	
2A	R	2R	-
	Y	2Y	
	G	2G	
(NB)	-	-	
	-	-	
2B	R	2R	-
	Y	2Y	
(NB)	G	2G	
4A	R	-	-
	Y	4R	
	G	4Y	
(EB)	-	4G	
	-	-	
4B	R	4R	-
	Y	4Y	
(EB)	G	4G	
LS = LOAD SWITCH			

SIGNAL HEAD	INDICATION	FIELD TERMINAL	FLASH
8A	R	8R	-
	Y	8Y	
	G	8G	
(WB)	-	-	
	-	-	
8B	R	8R	-
	Y	8Y	
(WB)	G	8G	
-	-	-	-
	-	-	
-	-	-	
	-	-	
	-	-	
PEDESTRIAN MOVEMENTS			
PED A	W	2 PED/LS 2P G	OUT
EAST	DW	2 PED/LS 2P R	
PED B	W	6 PED/LS 6P G	OUT
WEST	DW	6 PED/LS 6P R	
PED C	W	8 PED/LS 8P G	OUT
NORTH	DW	8 PED/LS 8P G	
-	-	-	-
-	-	-	

LEGEND

	5 SECTION VEHICULAR SIGNAL HEAD, 1-WAY	5C	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
	3 SECTION VEHICULAR SIGNAL HEAD, 1-WAY	7C	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
	PEDESTRIAN SIGNAL HEAD	RC	RADAR DETECTION CABLE
	PEDESTRIAN PUSH BUTTON		POWER SOURCE
S	STOP BAR RADAR DETECTION UNIT	SC	SERVICE CABLE, 3 CONDUCTOR, NO. 6 AWG
UPS	UNINTERRUPTIBLE POWER SUPPLY CABLE	PC	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG

NOTES:

- FOR LOCATIONS WITH LEFT TURN LANES RUN 7C FOR POTENTIAL PT/PM LT PHASE IF INITIAL DESIGN IS FOR PERMITTED ONLY.

CALCULATED JRB
CHECKED EMS

TRAFFIC SIGNAL PLAN DETAIL
PLAINFIELD RD & GEORGETOWN RD

HAM-PLAINFIELD RD ROUNDABOUTS

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7:06:21 AM
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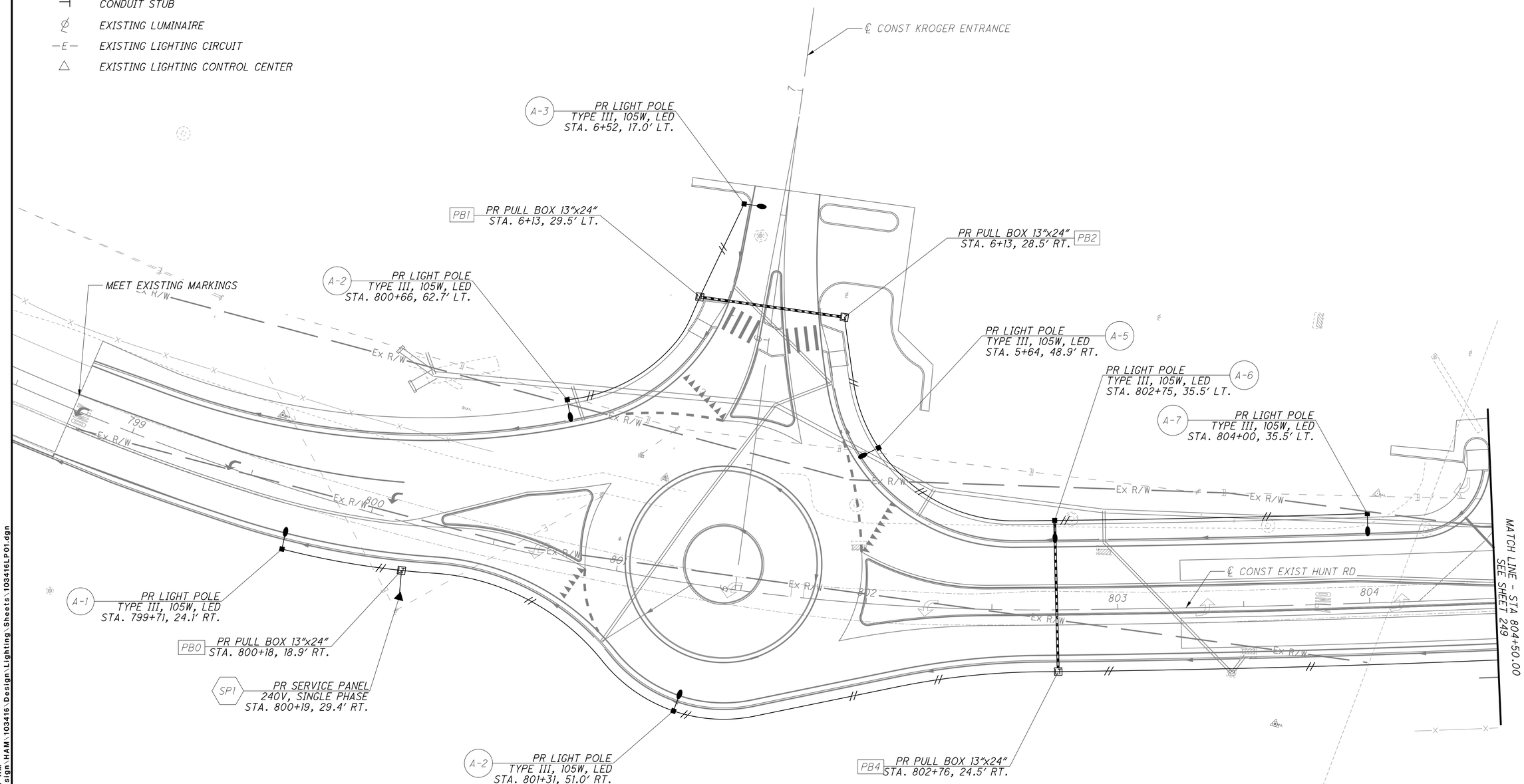
LEGEND

- LUMINAIRE, CONVENTIONAL, LED (TYPE SHOWN IN PLANS)
- LIGHTING CONTROL CENTER (VOLTAGE SPEVIFIED IN PLANS)
- PULL BOX, 13" X 24"
- PROPOSED 2" CONDUIT, IN TRENCH W/ LIGHTING CRICUIT (2-#6 AWG W/ GND)
- PROPOSED 3" CONDUIT SLEEVE UNDER PAVEMENT W/ LIGHTING CIRCUIT (2-#6 AWG W/ GND)
- CONDUIT STUB
- EXISTING LUMINAIRE
- EXISTING LIGHTING CIRCUIT
- EXISTING LIGHTING CONTROL CENTER



HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED GAN
CHECKED JS

LIGHTING PLAN - HUNT RD
STA. 798+00.00 TO STA. 804+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

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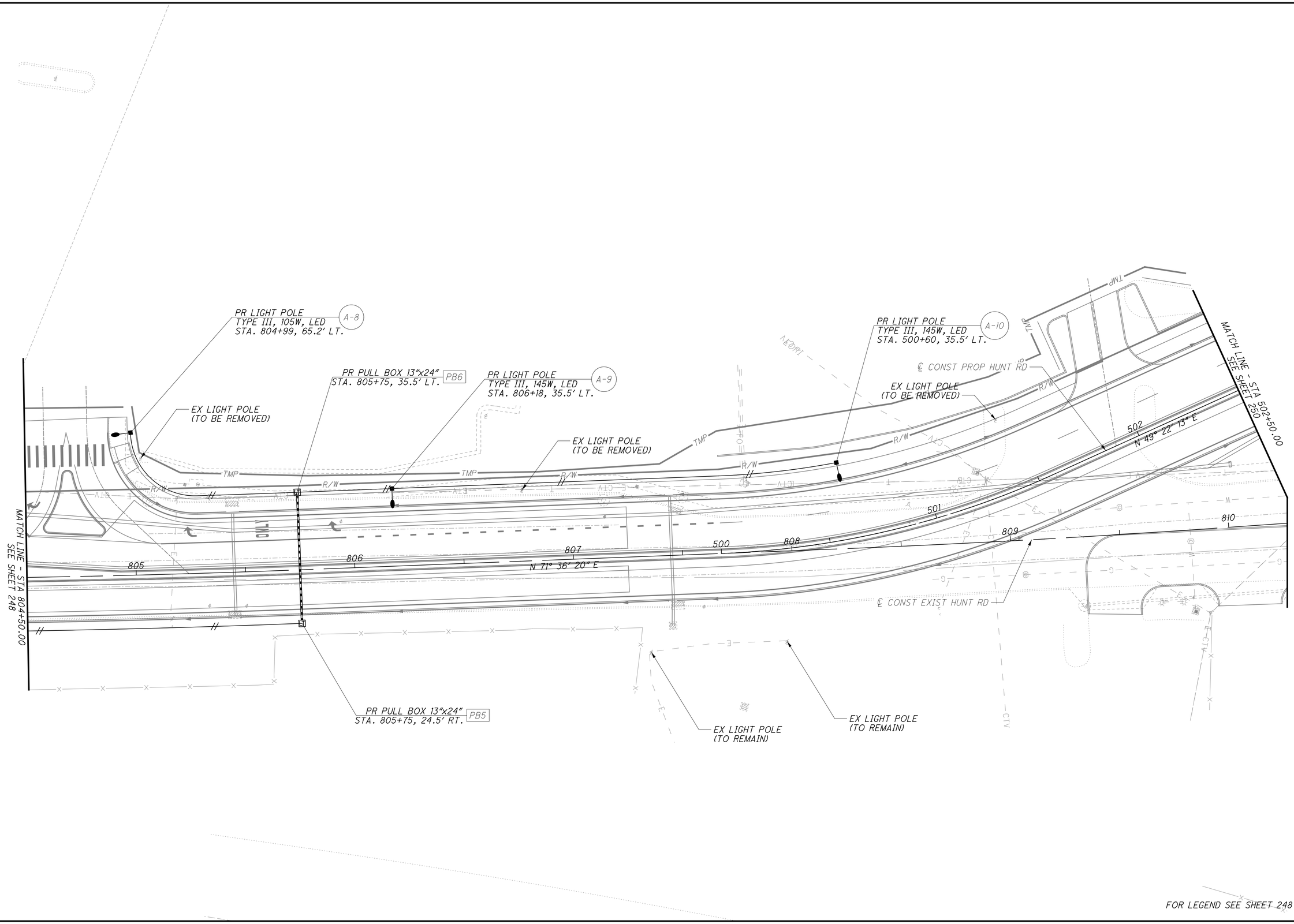

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED GAN
CHECKED

LIGHTING PLAN - HUNT RD
STA. 804+50.00 TO STA. 502+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

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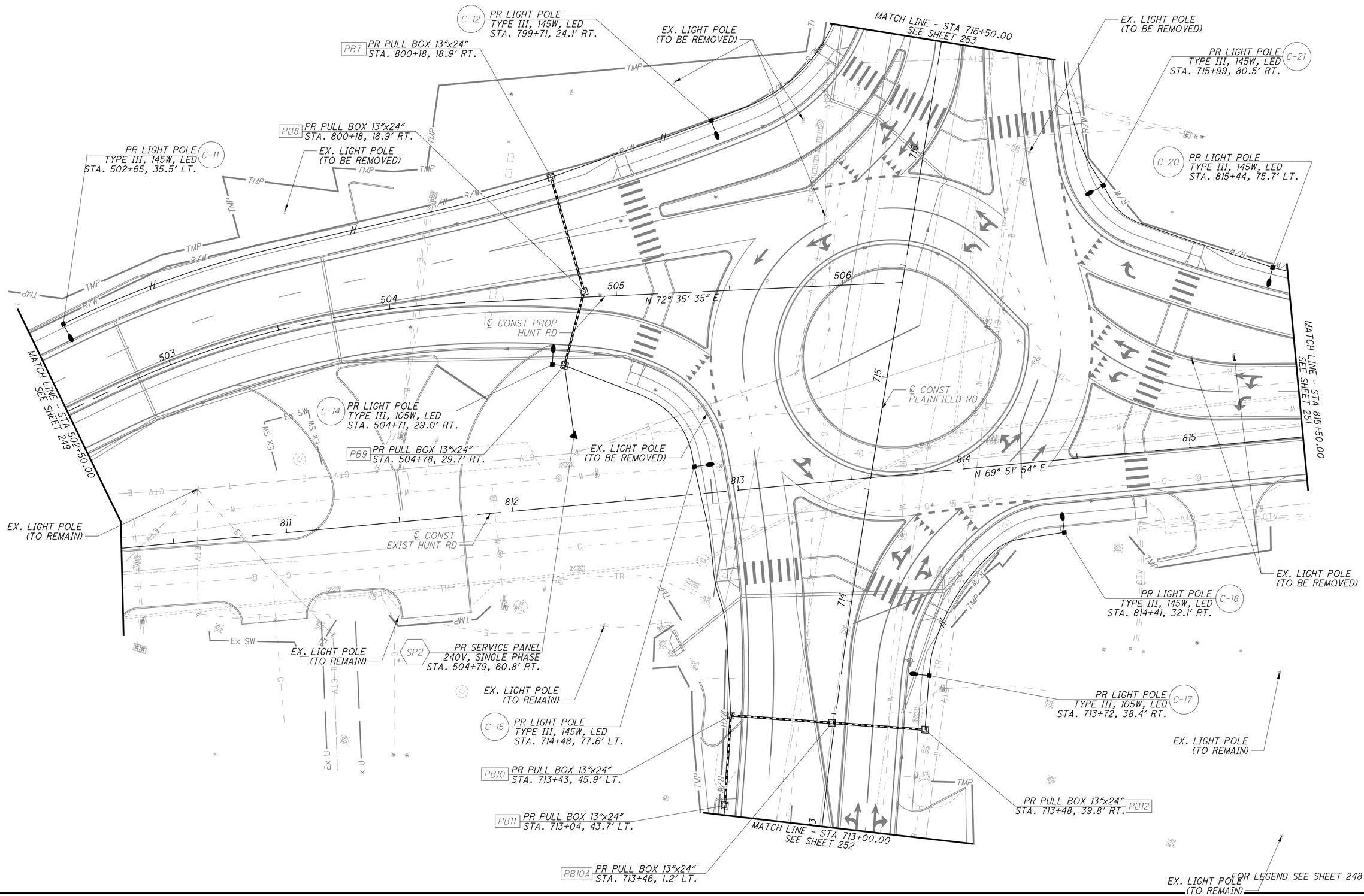

HORIZONTAL SCALE IN FEET
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CALCULATED GAN
CHECKED JS

LIGHTING PLAN - HUNT RD
STA. 502+50.00 TO STA. 815+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

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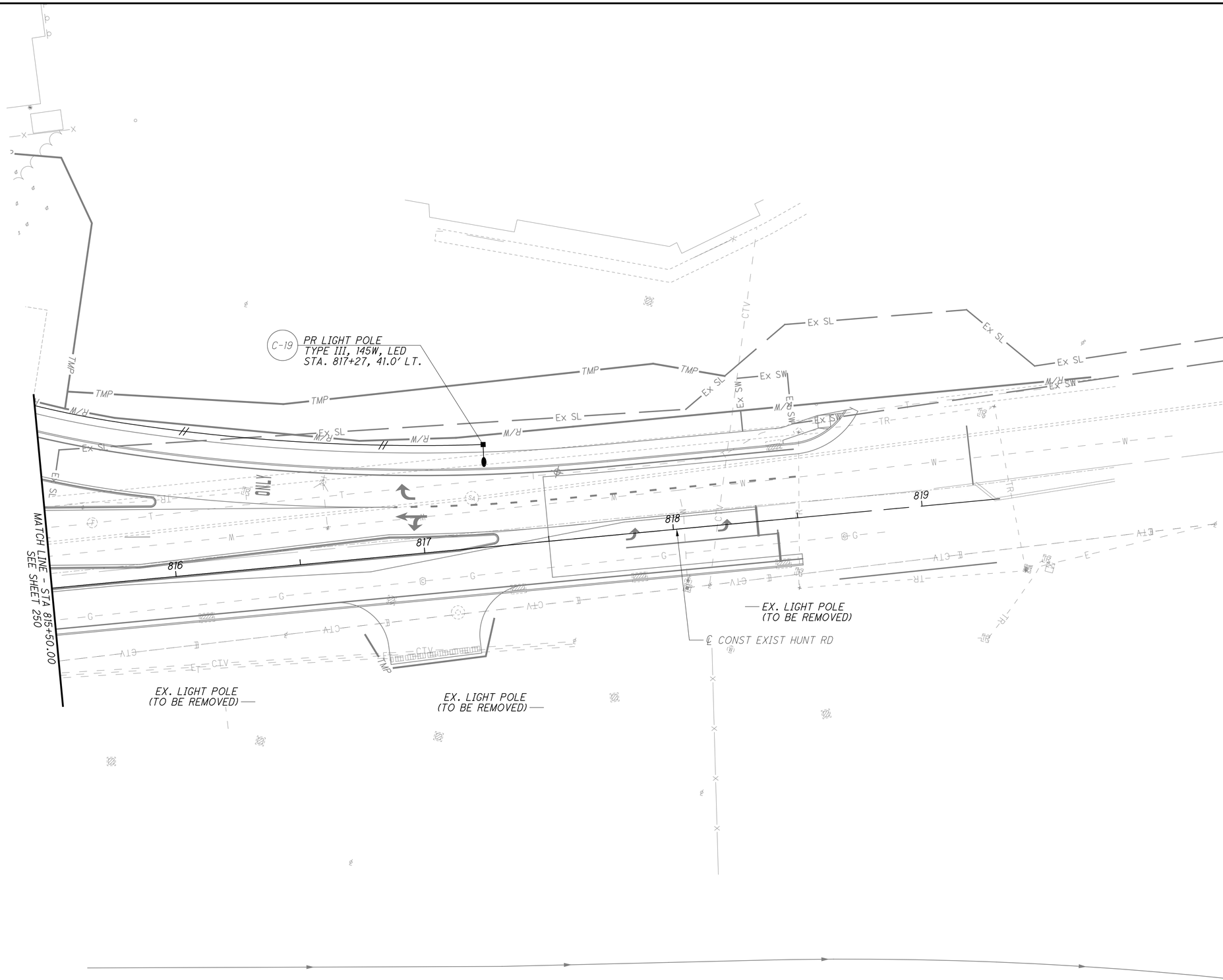

FOR LEGEND SEE SHEET 248

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED GAN
CHECKED JS

LIGHTING PLAN - HUNT RD
STA. 815+50.00 TO STA. 818+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

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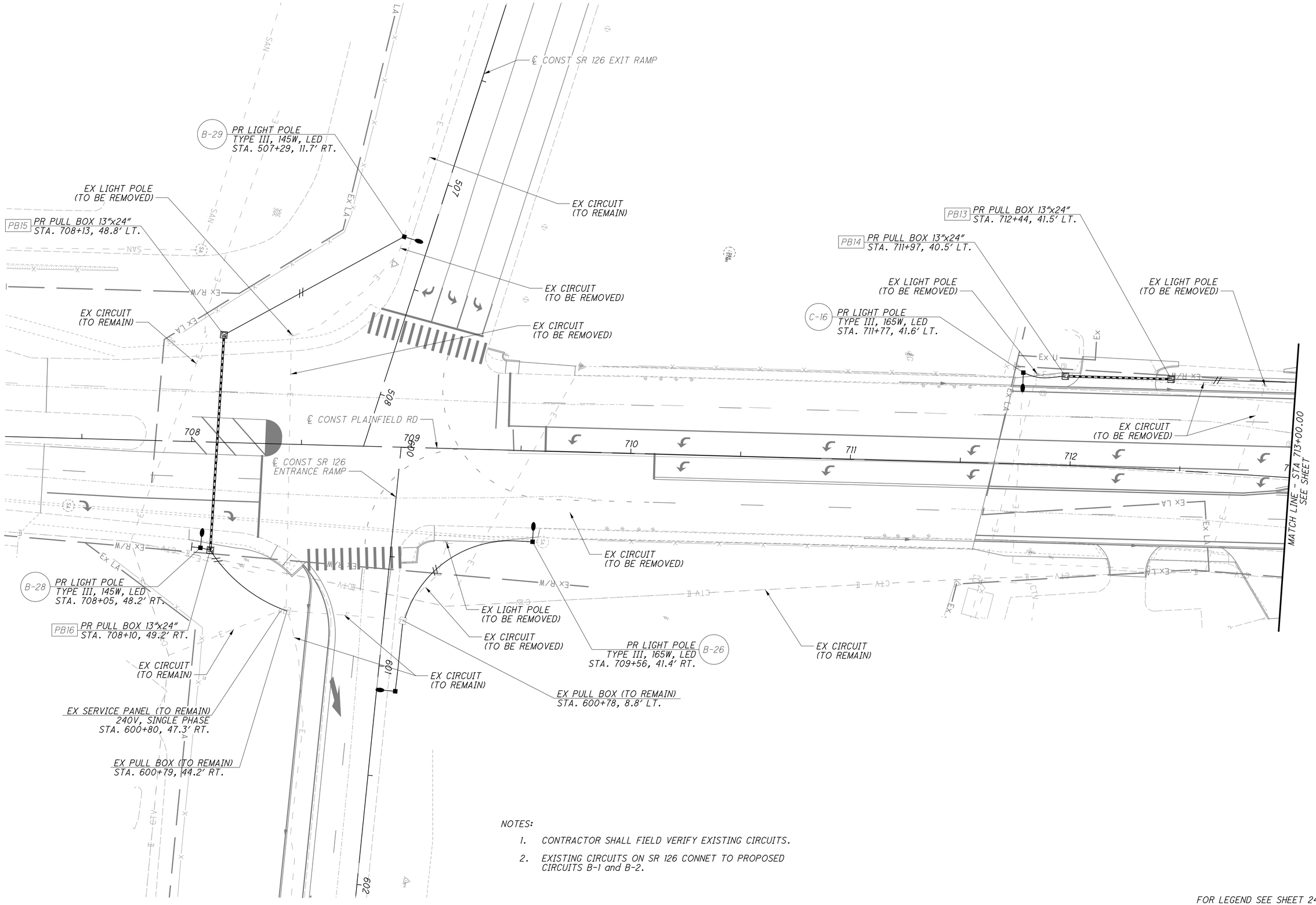

NOTES:

1. CONTRACTOR SHALL FIELD VERIFY EXISTING CIRCUITS.
2. EXISTING CIRCUITS ON SR 126 CONNET TO PROPOSED CIRCUITS B-1 and B-2.

FOR LEGEND SEE SHEET 248

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED GAN
CHECKED JS

LIGHTING PLAN - PLAINFIELD RD
STA. 708+00.00 TO STA. 713+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

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1/14/2020
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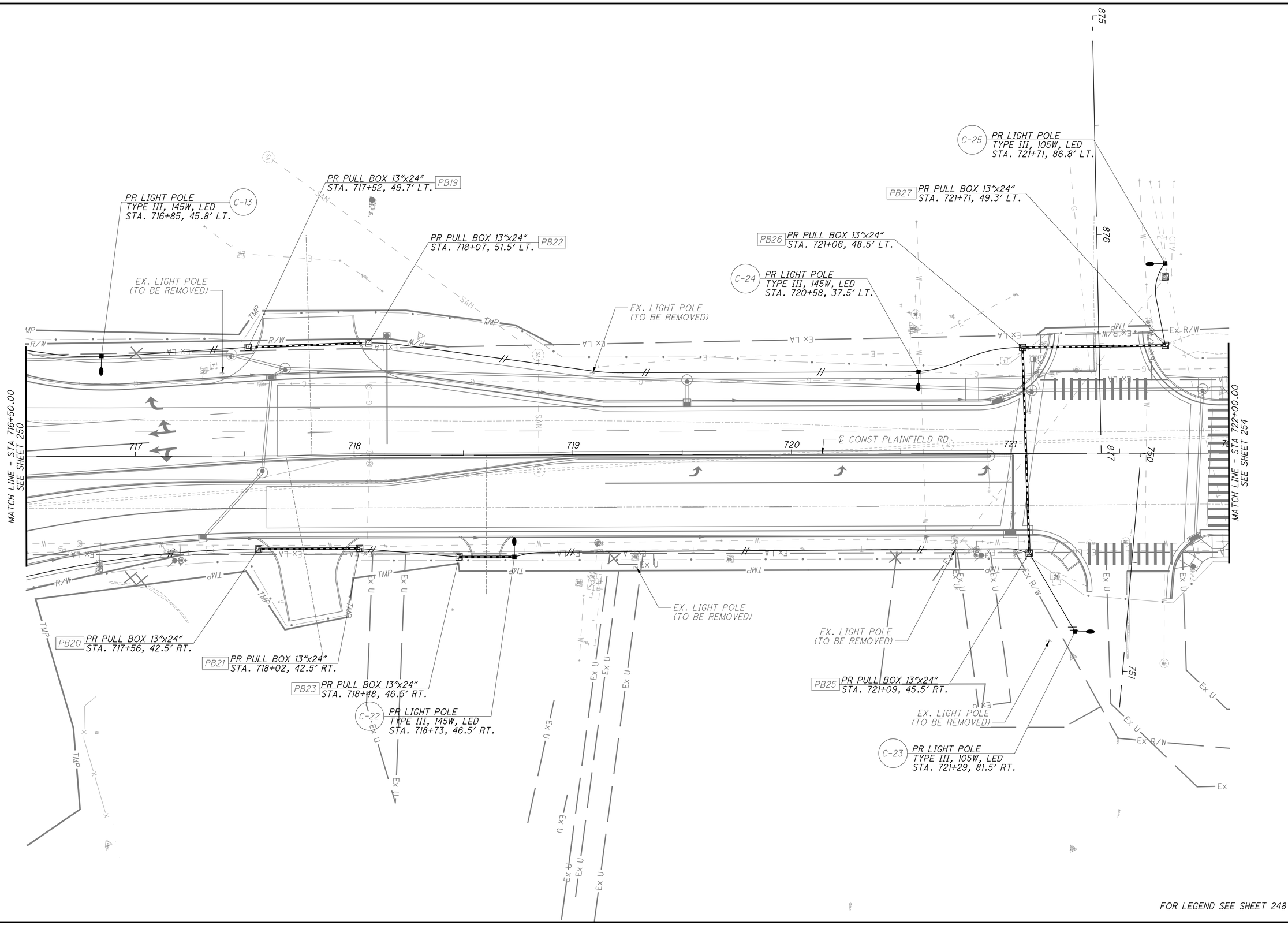

FOR LEGEND SEE SHEET 248

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED GAN
CHECKED JS

LIGHTING PLAN - PLAINFIELD RD
STA. 716+50.00 TO STA. 722+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

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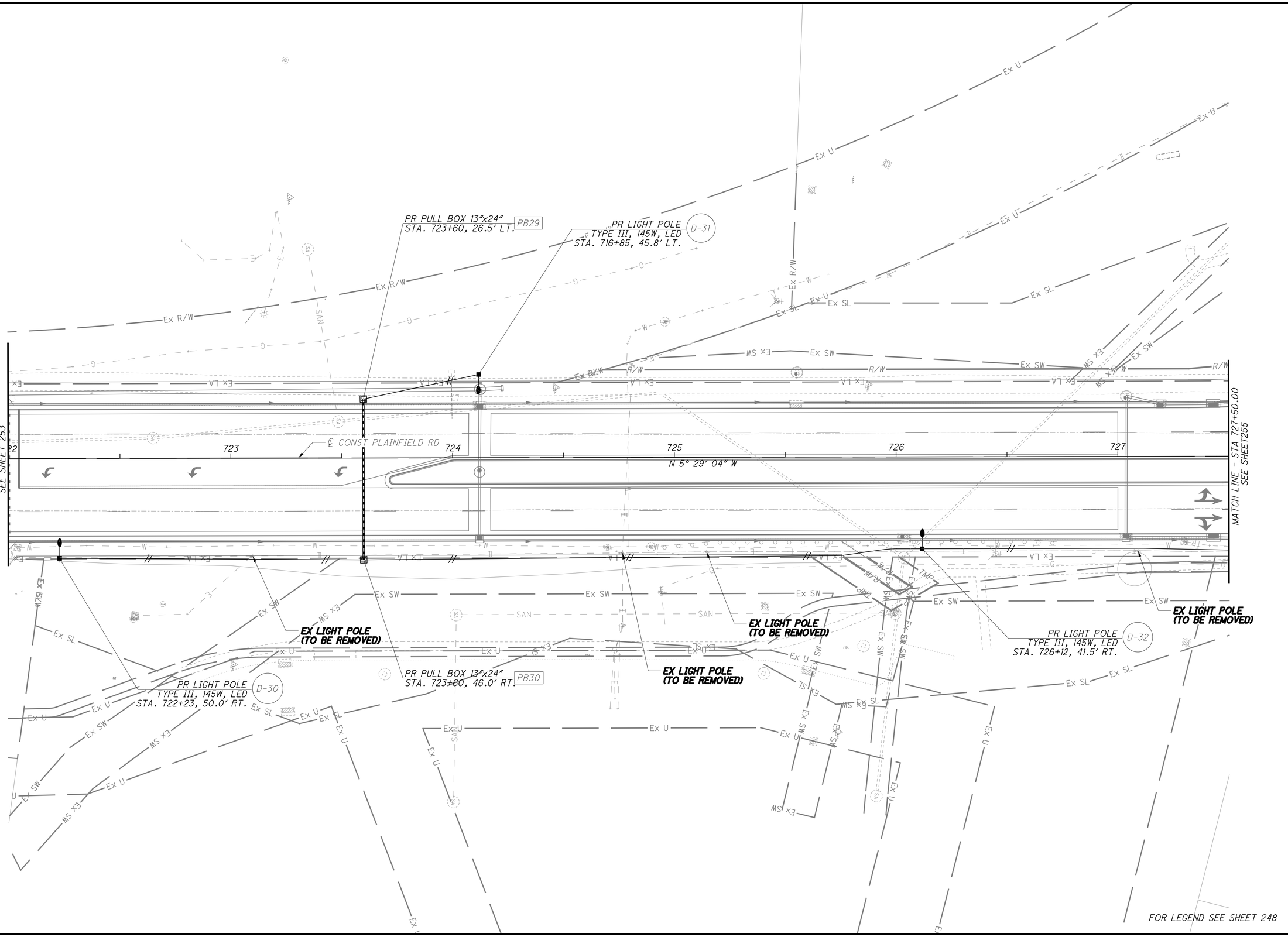

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED GAN
CHECKED JS

LIGHTING PLAN - PLAINFIELD RD
STA. 722+00.00 TO STA. 727+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

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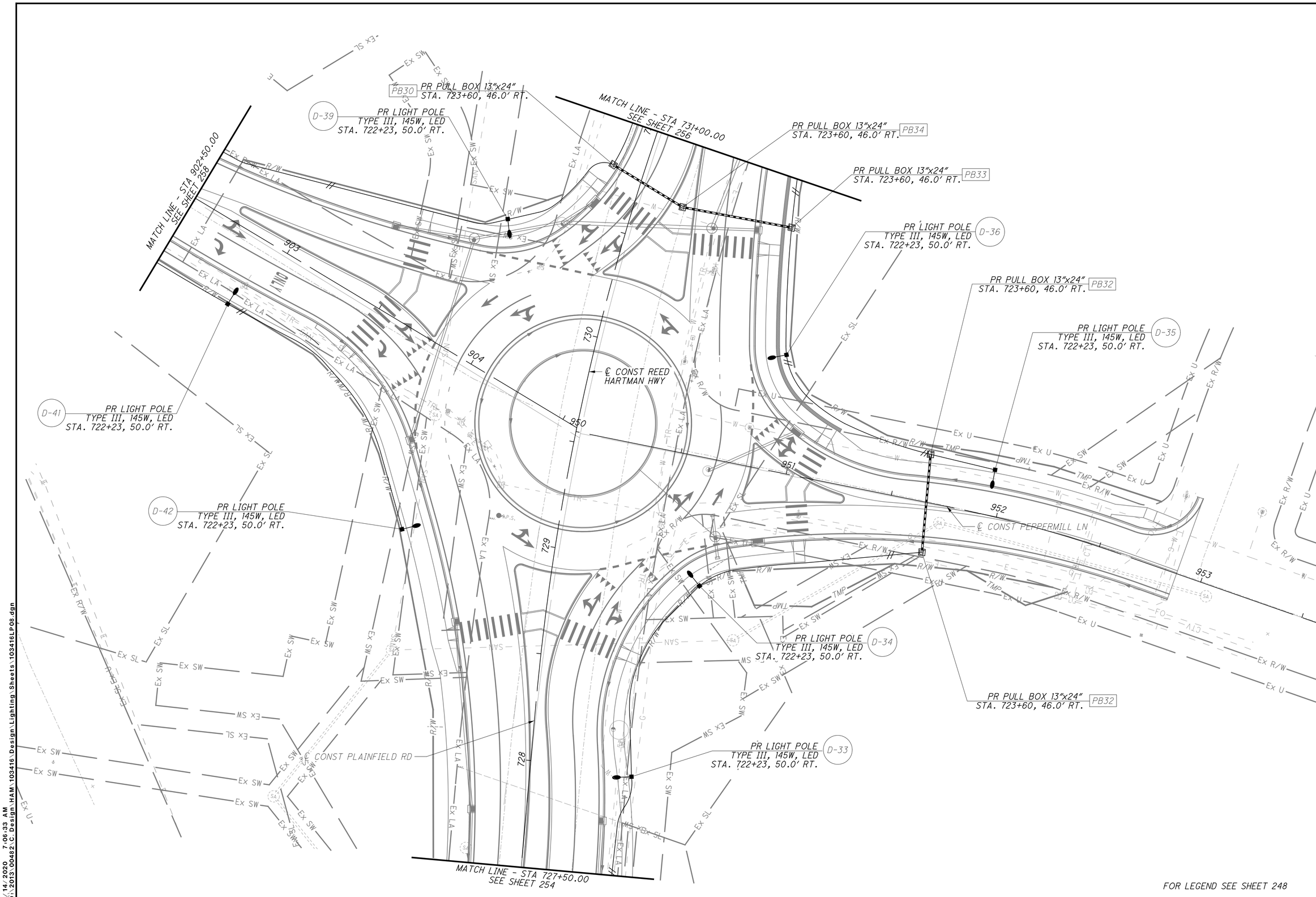

FOR LEGEND SEE SHEET 248

HORIZONTAL SCALE IN FEET 0 10 20 40

CALCULATED GAN
CHECKED JS

LIGHTING PLAN - PLAINFIELD RD
STA. 727+50.00 TO STA. 731+50.00

HAM-PLAINFIELD RD ROUNDABOUTS

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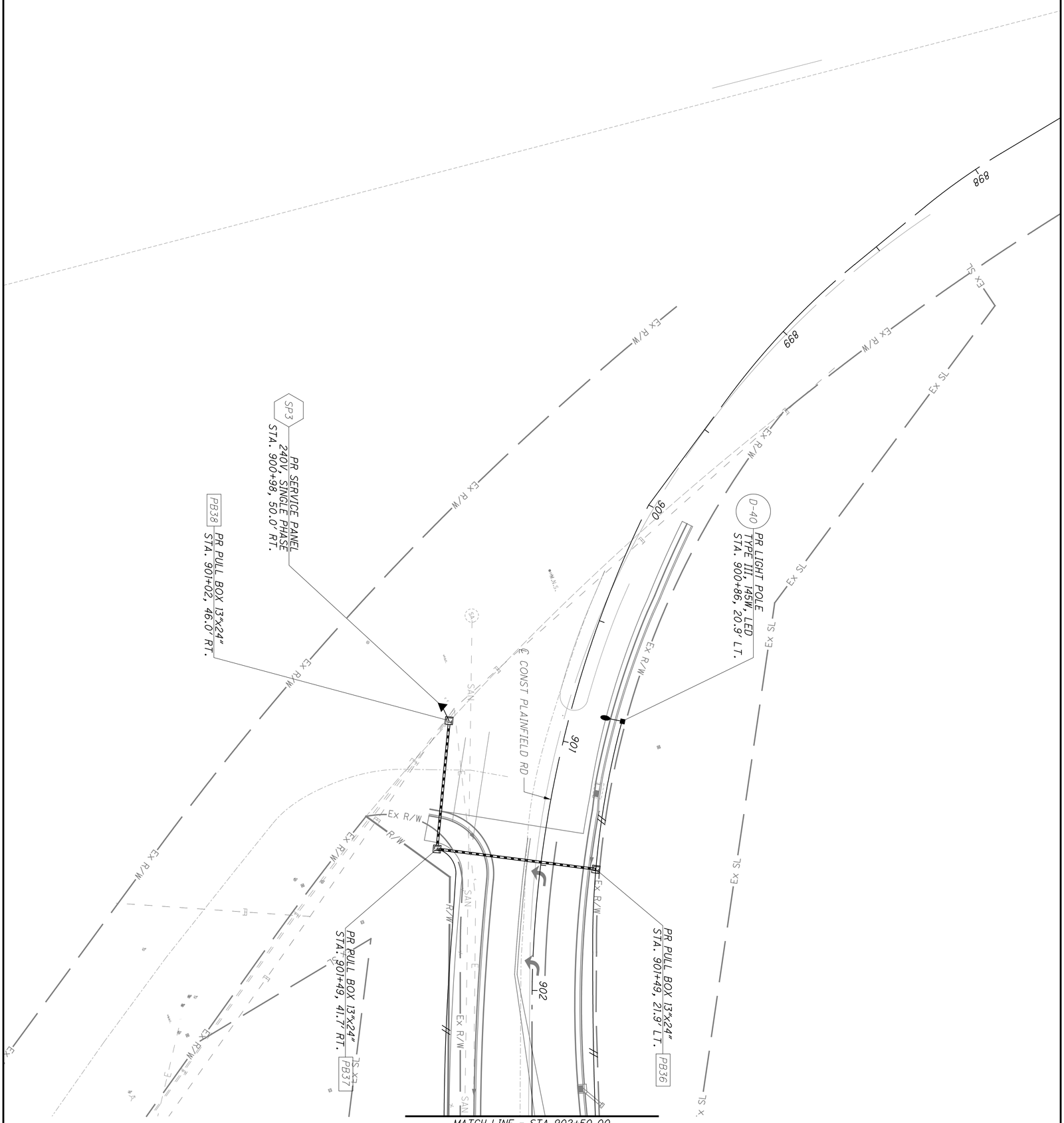
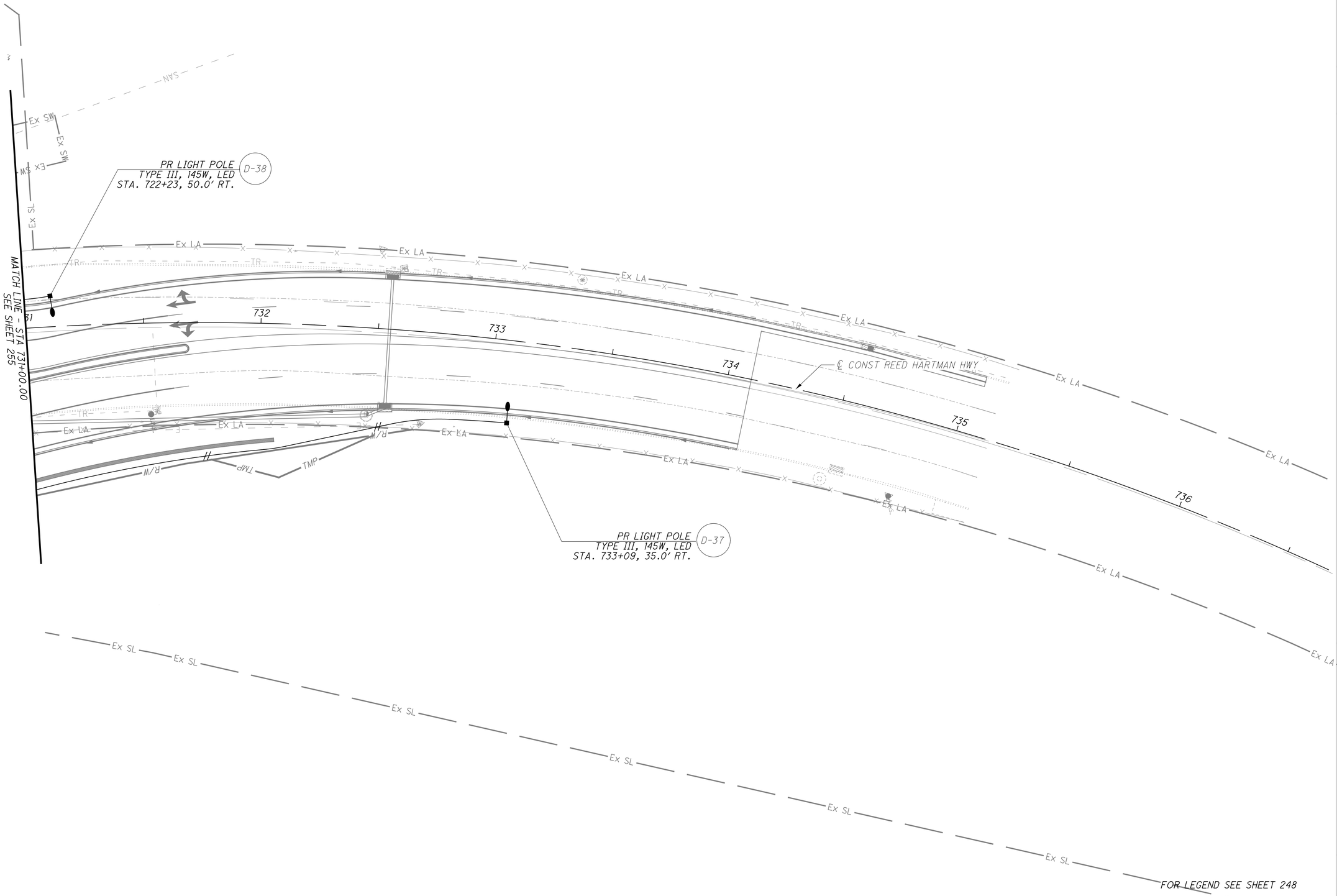


FOR LEGEND SEE SHEET 248

256 / 266	HAM-PLAINFIELD RD ROUNDABOUTS	LIGHTING PLAN - PLAINFIELD RD STA. 898+00.00 TO STA. 902+50.00	CALCULATED GAN CHECKED JS	0 10 20 40 HORIZONTAL SCALE IN FEET



FOR LEGEND SEE SHEET 248

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED GAN
CHECKED JS

LIGHTING PLAN - REED HARTMAN HWY
STA. 731+50.00 TO STA. 737+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

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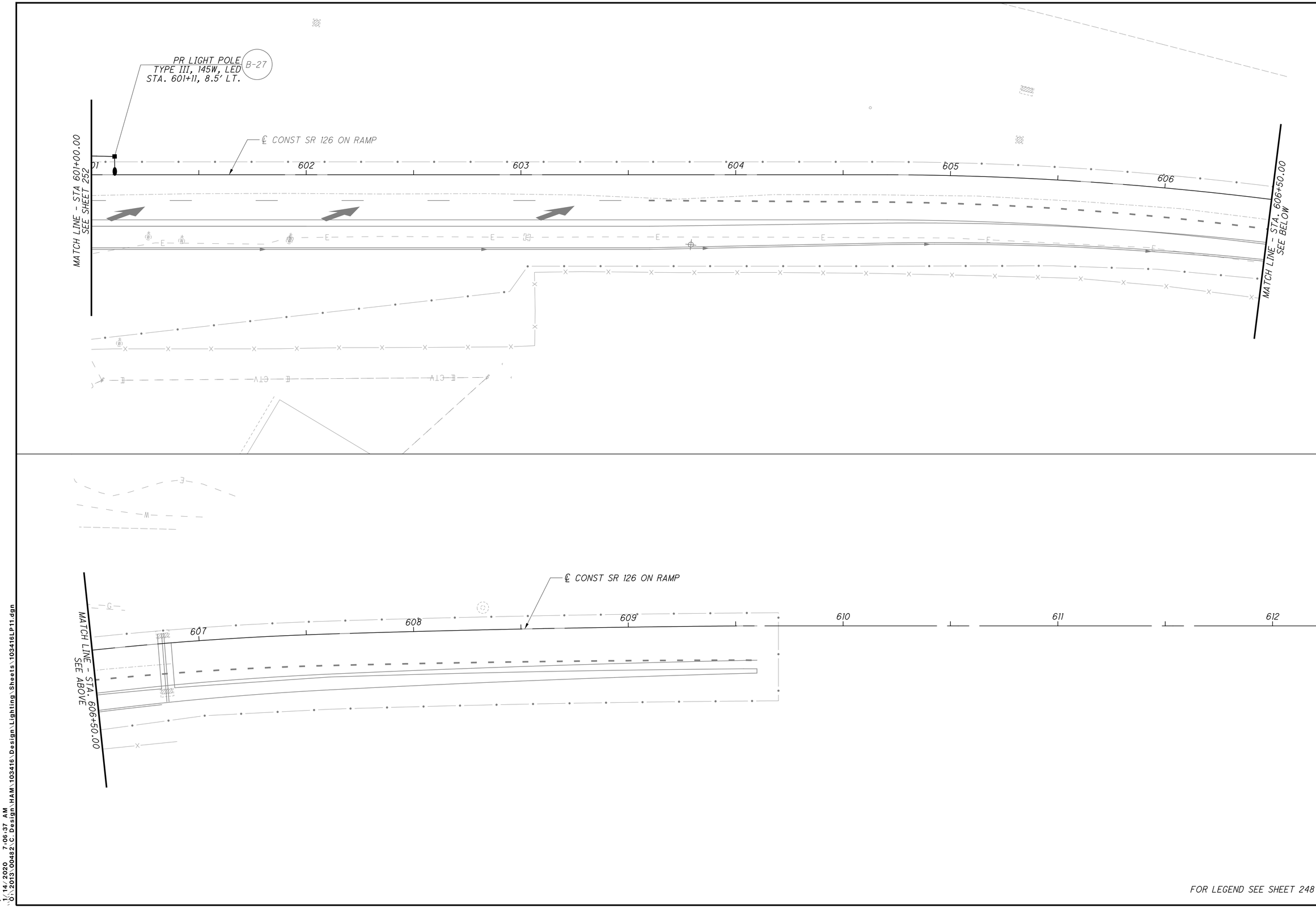

FOR LEGEND SEE SHEET 248

HORIZONTAL SCALE IN FEET
0 10 20 40

CALCULATED GAN
CHECKED JS

LIGHTING PLAN - SR 126 ENTRANCE
STA. 601+00.00 TO STA. 611+00.00

HAM-PLAINFIELD RD ROUNDABOUTS

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GENERAL NOTES - SOLDIER PILE RETAINING WALL

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

REFER TO THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS:
800 REVISED 07-19-19

DESIGN DATA:

CONCRETE, CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (CIP FACING, LEVELING PAD, AND DRILLED SHAFTS)

REINFORCING STEEL - MINIMUM YIELD STRENGTH 60 KSI EPOXY COATED PER CMS 509

STEEL H-PILES - ASTM A572 - YIELD STRENGTH 50 KSI

TIMBER LAGGING - BENDING STRENGTH (Fb) 950 PSI

DESIGN SPECIFICATIONS:

THE STRUCTURE CONFORMS TO THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 8TH EDITION, AND THE ODOT BRIDGE DESIGN MANUAL, 2019.

ITEM 507 - STEEL PILES, MISC.: SOLDIER PILES (HP12x53)

THIS WORK CONSISTS OF FURNISHING AND PLACING STEEL SOLDIER PILES INTO DRILLED HOLES. FURNISH SOLDIER PILES CONSISTING OF STRUCTURAL STEEL MEMBERS THAT MEET THE PLAN REQUIREMENTS AND CONFORM TO ASTM A572, GRADE 50. DO NOT FIELD WELD OR SPLICE STEEL SOLDIER PILES.

THE DEPARTMENT WILL MEASURE SOLDIER PILES ALONG THE AXIS OF THE SOLDIER PILE FROM THE TOP OF WALL ELEVATION TO THE BOTTOM OF THE DRILLED SHAFT, AS DETERMINED BY THE ENGINEER. THE DEPARTMENT WILL PAY FOR SOLDIER PILES AT THE CONTRACT UNIT PRICE PER FOOT FOR ITEM 507, STEEL PILES, MISC.: SOLDIER PILES.

ITEM 512 - SEALING OF CONCRETE SURFACES, AS PER PLAN

APPLY A PERMANENT GRAFFITI COATING QUALIFIED ACCORDING TO SUPPLEMENT 1083 THAT IS COMPATIBLE WITH THE CONCRETE SEALER OVER WHICH IT IS APPLIED. APPLY THE GRAFFITI COATING IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS.

ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE):

THE FINISH COAT COLOR SHALL BE FEDERAL COLOR NO.
TO BE DETERMINED##

ITEM 513 - WELDED STUD SHEAR CONNECTORS:

WELD HEADED STEEL STUDS TO THE FLANGES OF THE SOLDIER PILE IN ORDER TO CONNECT THE CONCRETE WALL FACING TO THE SOLDIER PILE. ATTACH HEADED STUDS ACCORDING TO C&MS 513.22 AND AS SHOWN IN THE PLANS. THE CONTRACTOR MAY ATTACH THE STUDS EITHER BEFORE PLACING THE SOLDIER PILE IN THE DRILLED HOLE OR AFTER EXCAVATING IN FRONT OF THE WALL. PROTECT THE HEADED STUDS FROM DAMAGE UNTIL THE CONCRETE WALL FACING IS POURED. REPAIR OR REPLACE DAMAGED HEADED STUDS AT NO EXPENSE TO THE DEPARTMENT.

ITEM 524 - DRILLED SHAFTS, 24" DIA. ABOVE BEDROCK, AS PER PLAN
ITEM 524 - DRILLED SHAFTS, 24" DIA. INTO BEDROCK, AS PER PLAN:

THIS WORK CONSISTS OF FURNISHING AND INSTALLING DRILLED SHAFTS FOR SOLDIER PILE AND LAGGING WALLS. THE DRILLED SHAFTS ARE REINFORCED WITH SOLDIER PILES INSTEAD OF REINFORCING STEEL CAGES. THE SOLDIER PILES EXTEND ABOVE THE TOP OF THE DRILLED SHAFT. FURNISH AND INSTALL THE DRILLED SHAFTS IN ACCORDANCE WITH CMS 524 EXCEPT AS MODIFIED AND SUPPLEMENTED BELOW.

EXCAVATE THE HOLE FOR THE DRILLED SHAFT WITHIN 3 INCHES OF THE PLAN LOCATION. PLACE THE SOLDIER PILE WITHIN THE HOLE SO IT IS VERTICAL AND NOT INCLINED MORE THAN 1/4 INCH PER FOOT. PLACE THE SOLDIER PILE SO THAT THE FLANGES ARE PARALLEL TO REFERENCE LINE PP-NE. DO NOT ALLOW THE ORIENTATION OF THE FLANGES TO VARY BY MORE THAN 10 DEGREES. SUPPORT THE SOLDIER PILE SO THAT IT DOES NOT MOVE DURING CONCRETE PLACEMENT.

USE CLASS QC1 CONCRETE ACCORDING TO CMS 511. PLACE CONCRETE TO THE ELEVATION FOR THE TOP OF THE DRILLED SHAFT. THE CONTRACTOR MAY PLACE CONCRETE USING THE FREE FALL METHOD PROVIDED THE DEPTH OF WATER IS LESS THAN 6 INCHES AND THE CONCRETE FALLS WITHOUT STRIKING THE SIDES OF THE HOLE. POURING CONCRETE ALONG THE WEB OF THE SOLDIER PILE IS ACCEPTABLE.

CHECK THE POSITION, THE VERTICAL ALIGNMENT AND ORIENTATION OF THE SOLDIER PILE IMMEDIATELY AFTER CONCRETE PLACEMENT. MAKE CORRECTIONS AS NECESSARY TO MEET THE ABOVE TOLERANCES. AS SHOWN ON THE PLANS, FILL THE HOLE ABOVE THE BOTTOM OF THE PROPOSED LAGGING TO THE EXISTING GROUND SURFACE WITH C&MS ITEM 613 LOW STRENGTH MORTAR BACKFILL (LSM).

REMOVE CONCRETE AND LSM AS NECESSARY FROM AROUND THE SOLDIER PILE IN ORDER TO PLACE THE LAGGING. PLACE LAGGING SO THAT THE SOLDIER PILE FLANGE OVERLAPS THE END OF THE LAGGING BY AT LEAST 3 INCHES AT BOTH ENDS OF THE LAGGING. WAIT AT LEAST 12 HOURS AFTER PLACING CONCRETE BEFORE PLACING LAGGING.

METHOD OF MEASUREMENT: THE DEPARTMENT WILL MEASURE DRILLED SHAFTS ABOVE BEDROCK, AS PER PLAN, ALONG THE AXIS OF THE DRILLED SHAFT FROM THE EXISTING GROUND SURFACE TO THE TOP OF BEDROCK, AS DETERMINED BY THE ENGINEER. THE DEPARTMENT WILL MEASURE DRILLED SHAFTS INTO BEDROCK, AS PER PLAN, ALONG THE AXIS OF THE DRILLED SHAFT FROM TOP OF BEDROCK TO THE BOTTOM OF THE DRILLED SHAFT, AS DETERMINED BY THE ENGINEER.

PAYMENT IS FULL COMPENSATION FOR CONSTRUCTING THE DRILLED SHAFTS, INCLUDING FURNISHING AND PLACING CONCRETE AND LSM, REMOVAL OF CONCRETE OR LSM FROM AROUND THE SOLDIER PILE IN ORDER TO PLACE LAGGING.

ITEM 610 - RETAINING WALL MISC.: PREFABRICATED GEOCOMPOSITE DRAIN:

THIS WORK CONSISTS OF FURNISHING AND PLACING PREFABRICATED GEOCOMPOSITE DRAIN (PGD) STRIPS AGAINST TIMBER LAGGING.

FURNISH PGD STRIPS CONSISTING OF A POLYMERIC CORE WRAPPED IN A FABRIC CONFORMING TO C&MS 712.09, TYPE A. USE CORE MATERIAL THAT IS RESISTANT TO PETROLEUM-BASED CHEMICALS, NATURALLY OCCURING SOIL CHEMICALS, AND ROAD DE-ICING SALTS. THE CORE MATERIAL SHALL HAVE SUFFICIENT FLEXIBILITY TO WITHSTAND BENDING AND HANDLING DURING INSTALLATION WITHOUT DAMAGE. THE REQUIRED MINIMUM COMPRESSIVE STRENGTH OF THE CORE IS 40 POUNDS PER SQUARE INCH ACCORDING TO ASTM D 1621 PROCEDURE A. THE MINIMUM (SINGLE SIDE) CORE FLOW CAPACITY IS 10 GALLONS PER MINUTE PER FOOT OF WIDTH FOR A 0.1 GRADIENT AT 10 POUNDS PER SQUARE INCH BLADDER LOAD ACCORDING TO ASTM D 4716. FURNISH THE MANUFACTURER'S CERTIFIED TEST DATA.

PLACE PGD STRIPS BETWEEN THE SOLDIER PILES, FROM EDGE OF SOLDIER PILE TO EDGE OF SOLDIER PILE. PLACE THE SIDE FACED WITH GEOTEXTILE AGAINST THE TIMBER LAGGING, FACING TOWARDS THE RETAINED GROUND, AND SECURE THE DRAIN TO THE LAGGING. USE NAILS AND WASHERS AT LEAST 1-INCH DIAMETER IN SIZE TO SECURE THE PGD ALONG THE EDGES OF THE PGD AND AT A MAXIMUM SPACING OF 3 FEET. REPAIR ANY DAMAGE TO THE GEOTEXTILE FABRIC BY COVERING WITH A PATCH WHICH OVERLAPS THE DAMAGED AREA BY AT LEAST 12 INCHES. IF THE CORE OF THE PGD IS DAMAGED, REPLACE IT WITH A NEW SECTION OF PGD AND SPLICE THE NEW SECTION WITH AT LEAST A 12-INCH OVERLAP SUCH THAT THE FLOW OF WATER IS NOT IMPEDED WITHIN THE DRAIN. TAPE ALL JOINTS IN THE PGD STRIP TO PREVENT CONCRETE INTRUSION DURING PLACEMENT.

INSTALL POROUS BACKFILL AT THE BASE OF THE SOLDIER PILE WALL AS SHOWN IN THE PLANS. ENSURE THE BOTTOM OF EACH PGD STRIP EXTENDS INTO THE POROUS BACKFILL SO THAT WATER FLOW IS NOT INTERRUPTED.

THE DEPARTMENT WILL MEASURE PGD BY THE NUMBER OF SQUARE FEET OF SURFACE AREA OF PGD PLACED. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITY AT THE CONTRACT UNIT PRICE BID PER SQUARE FOOT FOR ITEM 610 - RETAINING WALL, MISC.: PREFABRICATED GEOCOMPOSITE DRAIN.

ITEM SPECIAL - FORM LINER

THE FRONT FACE OF CIP FACING SHALL HAVE A **## TO BE DETERMINED##** FINISH WITH A RELIEF OF 1 1/2" APPLIED TO THE LIMITS SHOWN IN THE PLANS.

ITEM 610 - RETAINING WALL, MISC.: TIMBER LAGGING:

THIS WORK CONSISTS OF FURNISHING AND PLACING TIMBER LAGGING BETWEEN THE SOLDIER PILES AS TEMPORARY SUPPORT FOR THE RETAINED SOIL. FURNISH TIMBER LAGGING CONSISTING OF CONSTRUCTION GRADE, UNTREATED HARDWOOD WITH A MINIMUM THICKNESS OF 3 INCHES. TO PERMIT DRAINAGE, PROVIDE 1/4" TO 1/2" SPACES BETWEEN LAGGING BOARDS USING 3/8" SPACER BLOCKS OR OTHER MEANS ACCEPTABLE TO THE ENGINEER. EXCAVATION FOR PLACEMENT OF THE LAGGING SHALL BE PERFORMED IN SUCH A MANNER THAT THE LAGGING IS TIGHT AGAINST THE EXCAVATION CUT FACE. ANY VOIDS BEHIND THE LAGGING SHALL BE BACKFILLED WITH SUITABLE COMPACTED MATERIAL AS DIRECTED BY THE ENGINEER. THE COST OF ANY SUCH BACKFILLING REQUIRED, INCLUDING MATERIAL, PLACEMENT AND COMPACTION, SHALL BE INCIDENTAL TO THE COST OF LAGGING.

THE DEPARTMENT WILL PAY FOR TIMBER LAGGING AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR ITEM 610 - RETAINING WALL, MISC.: TIMBER LAGGING.

ABBREVIATION LIST:

THE FOLLOWING STANDARD ABBREVIATIONS ARE USED THROUGHOUT THE RETAINING WALL PLANS.

CIP	= CAST-IN-PLACE
C.J.	= CONSTRUCTION JOINT
CLR.	= CLEARANCE
CONST.	= CONSTRUCTION
DIA.	= DIAMETER
E.F.	= EACH FACE
EL.	= ELEVATION
EQ.	= EQUAL
EX.	= EXISTING
EXP.	= EXPANSION
F.F.	= FRONT FACE
INV.	= INVERT
N.P.C.P.P.	= NON-PERFORATED CORRUGATED PLASTIC PIPE
P.C.P.P.	= PERFORATED CORRUGATED PLASTIC PIPE
PEJF	= PREFORMED EXPANSION JOINT FILLER
PGD	= PREFABRICATED GEOCOMPOSITE DRAIN
PROP.	= PROPOSED
REF.	= REFERENCE
R.F.	= REAR FACE
SER.	= SERIES
SPA.	= SPACES
STA.	= STATION
TYP.	= TYPICAL
U.N.	= UNLESS NOTED

DESIGN AGENCY
PRESENTED BY STRUCTUREPOINT LLC
2500 CORPORATE SQUARE DR. STE 200
COLUMBUS, OH 43231
TEL: 614.901.1776 FAX: 614.901.1778
www.structurepoint.com

DESIGNED	DRAWN	REVIEWED	DATE
JCS	BMP	SFJ	12/9/2019
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CLB			

GENERAL NOTES
RETAINING WALL ALONG REFERENCE LINE PP-NE

HAM-PLAINFIELD RD
ROUNDABOUTS
PID No. 103416

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1/14/2020 7:06:38 AM
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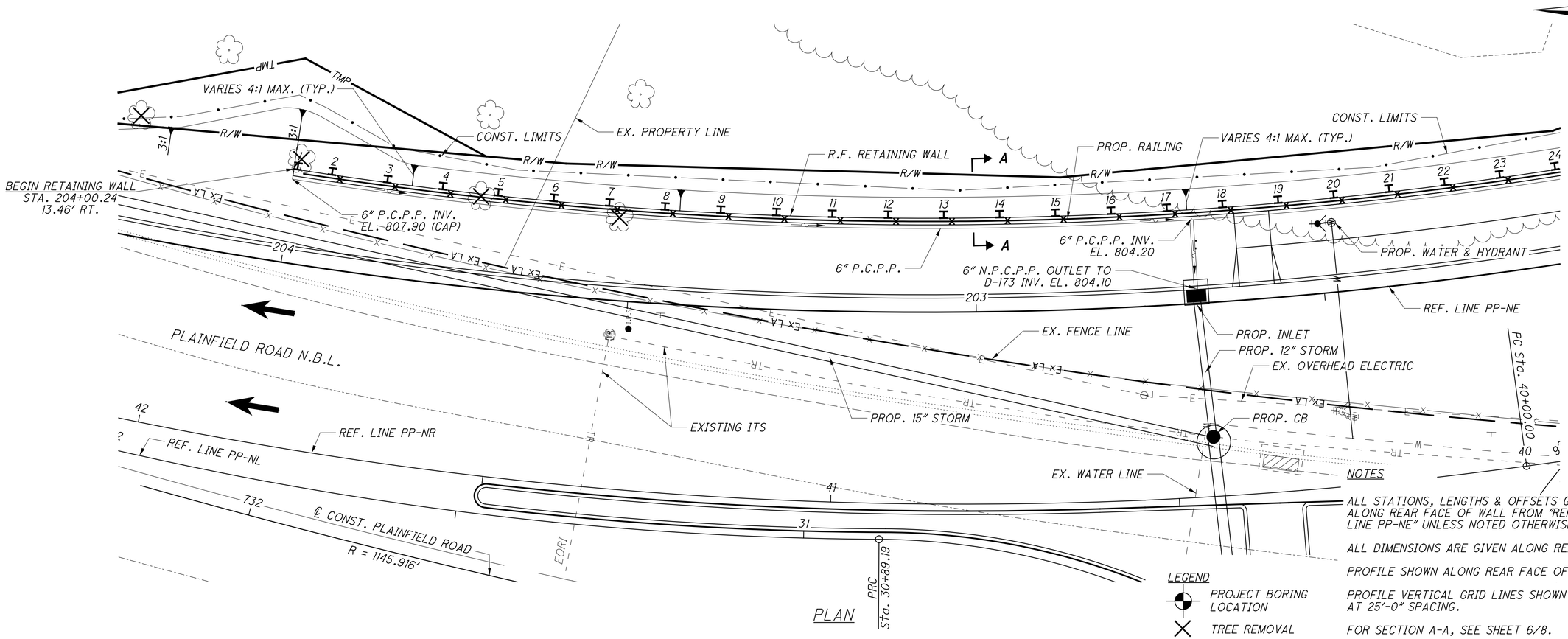


PLAN

NOTES

ALL STATIONS, LENGTHS & OFFSETS GIVEN ALONG REAR FACE OF WALL FROM "REFERENCE LINE PP-NE" UNLESS NOTED OTHERWISE.

ALL DIMENSIONS ARE GIVEN ALONG REAR FACE OF WALL.

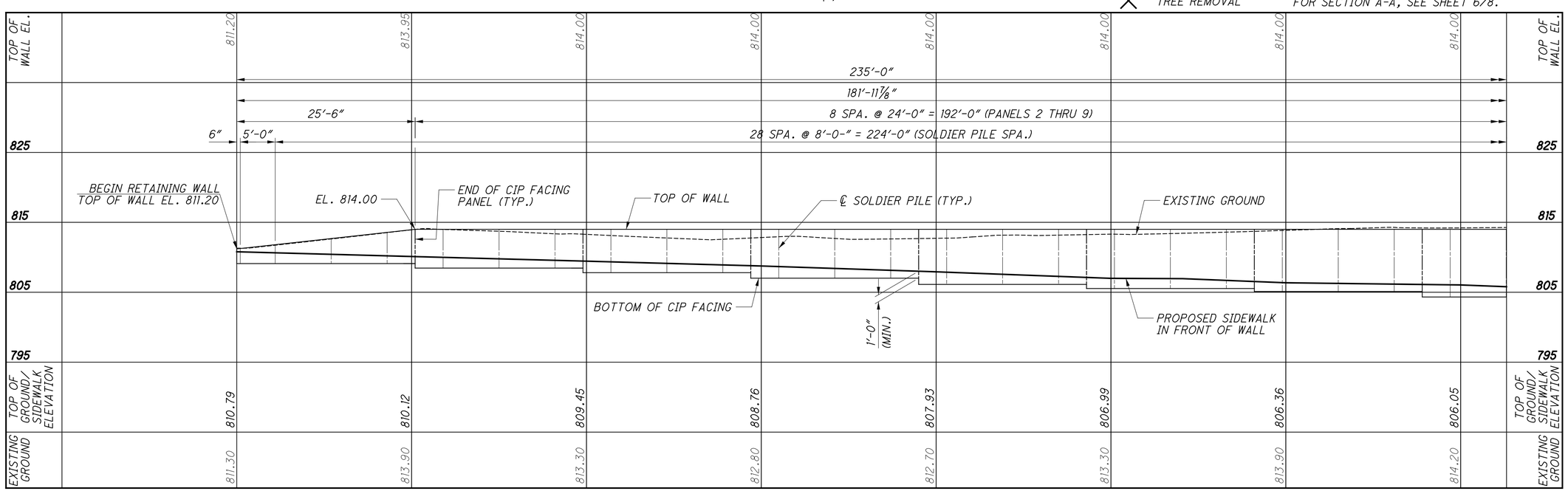
PROFILE SHOWN ALONG REAR FACE OF WALL.

PROFILE VERTICAL GRID LINES SHOWN AT 25'-0" SPACING.

FOR SECTION A-A, SEE SHEET 6/8.

LEGEND

- PROJECT BORING LOCATION
- TREE REMOVAL



PROFILE
ALONG R.F. RETAINING WALL

DESIGN AGENCY
STRUCTUREPOINT LLC
2500 CORPORATE SQUARE DR. STE 200
COLORADO SPRINGS, CO 80908
TEL 719.597.7500 FAX 719.597.7510
www.structurepoint.com

DESIGNED	DRAWN	REVIEWED	DATE
JCS	BMP	SFJ	12/9/2019
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CLB			

PLAN AND PROFILE - 1
RETAINING WALL ALONG REFERENCE LINE PP-NE

HAM-PLAINFIELD RD ROUNDABOUTS
PID No. 103416

2 / 8

260 / 266

jschmeltzer 7:06:45 AM
1/14/2020
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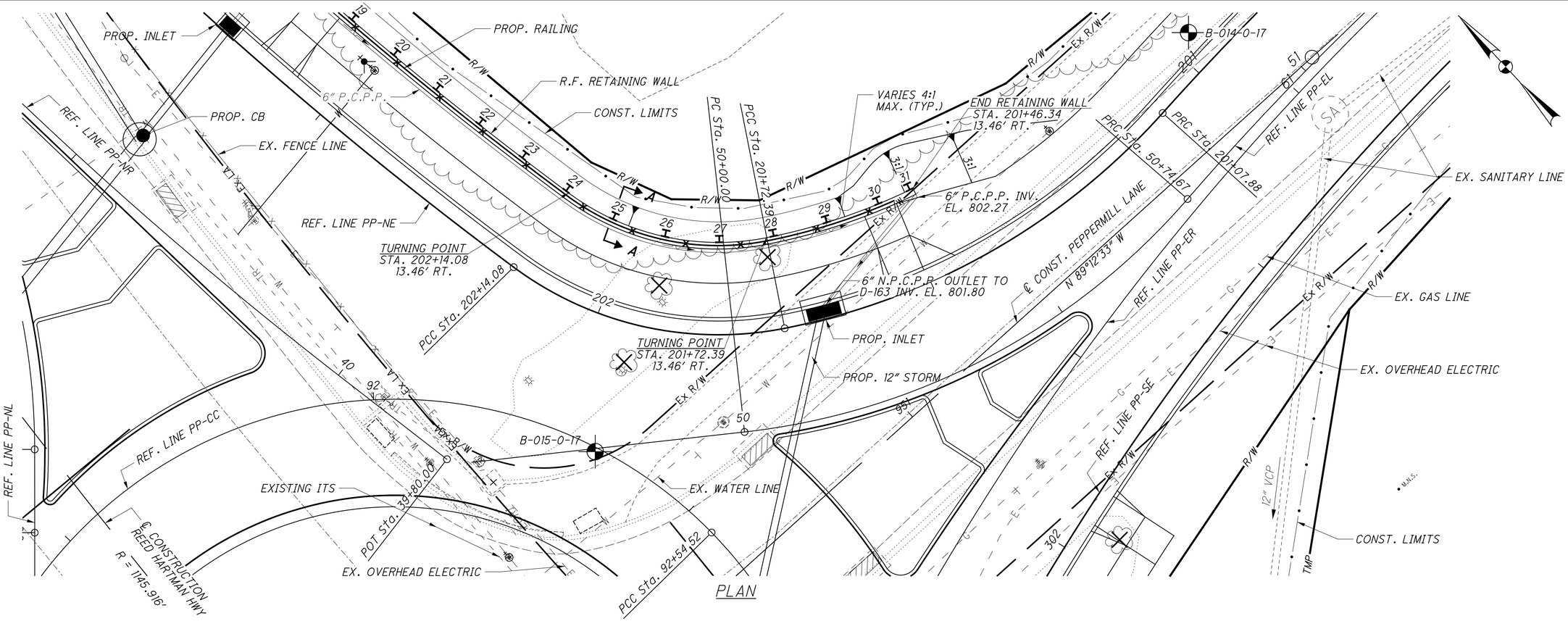
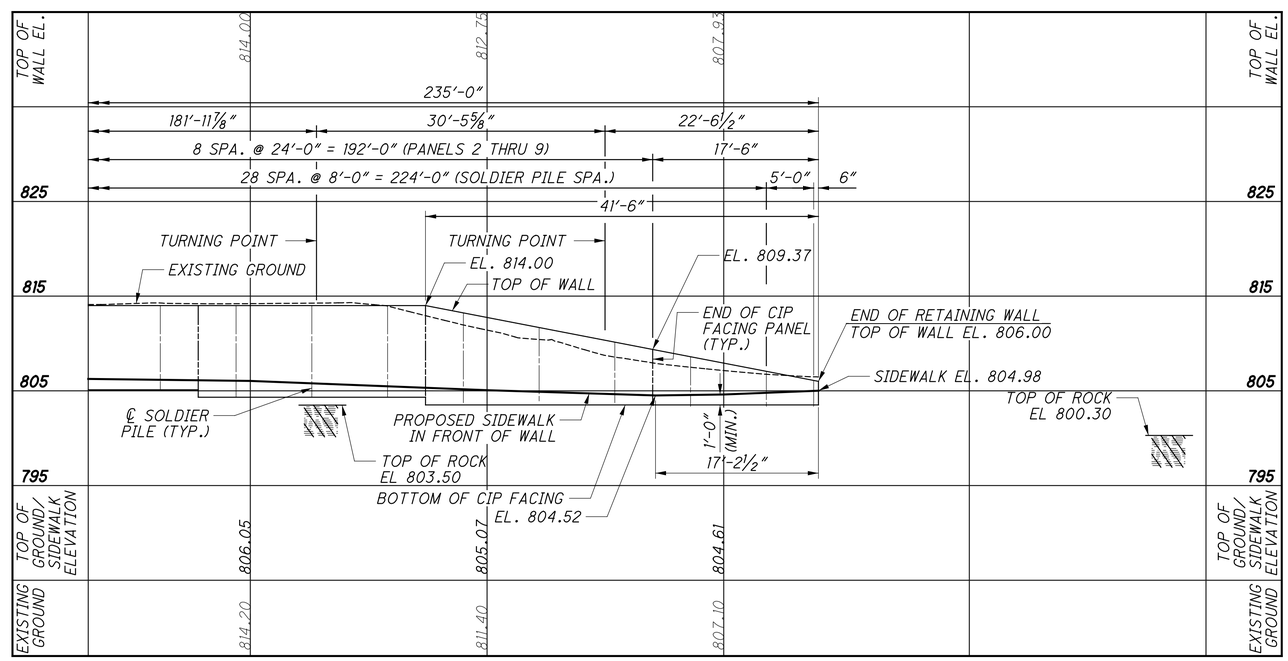


PLAN



PROFILE
ALONG R.F. RETAINING WALL

NOTES

ALL STATIONS, LENGTHS & OFFSETS GIVEN ALONG REAR FACE OF WALL FROM "REFERENCE LINE PP-NE" UNLESS NOTED OTHERWISE.

ALL DIMENSIONS ARE GIVEN ALONG REAR FACE OF WALL.

PROFILE SHOWN ALONG REAR FACE OF WALL.

PROFILE VERTICAL GRID LINES SHOWN AT 25'-0" SPACING.

FOR SECTION A-A, SEE SHEET 6/8.

LEGEND

PROJECT BORING LOCATION

TREE REMOVAL

DESIGN AGENCY
STRUCTUREPOINT LLC
2500 CORPORATE SQUARE BLVD. STE 230
COLUMBIA, SC 29426
TEL 803.771.7250 FAX 803.771.7260
www.structurepoint.com

DESIGNED	DRAWN	REVIEWED	DATE
JCS	BMP	SFJ	12/9/2019
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CLB			

PLAN AND PROFILE - 2
RETAINING WALL ALONG REFERENCE LINE PP-NE

HAM-PLAINFIELD RD
ROUNDABOUTS
PID No. 103416

jschmeltzer 7:06:46 AM
1/14/2020
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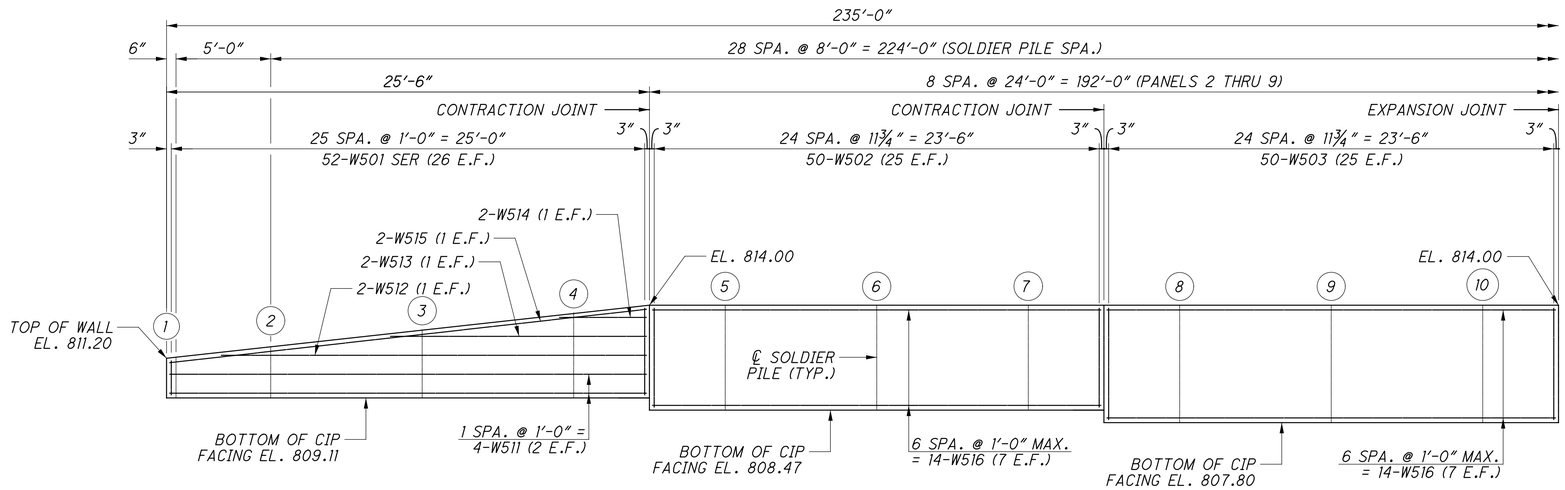
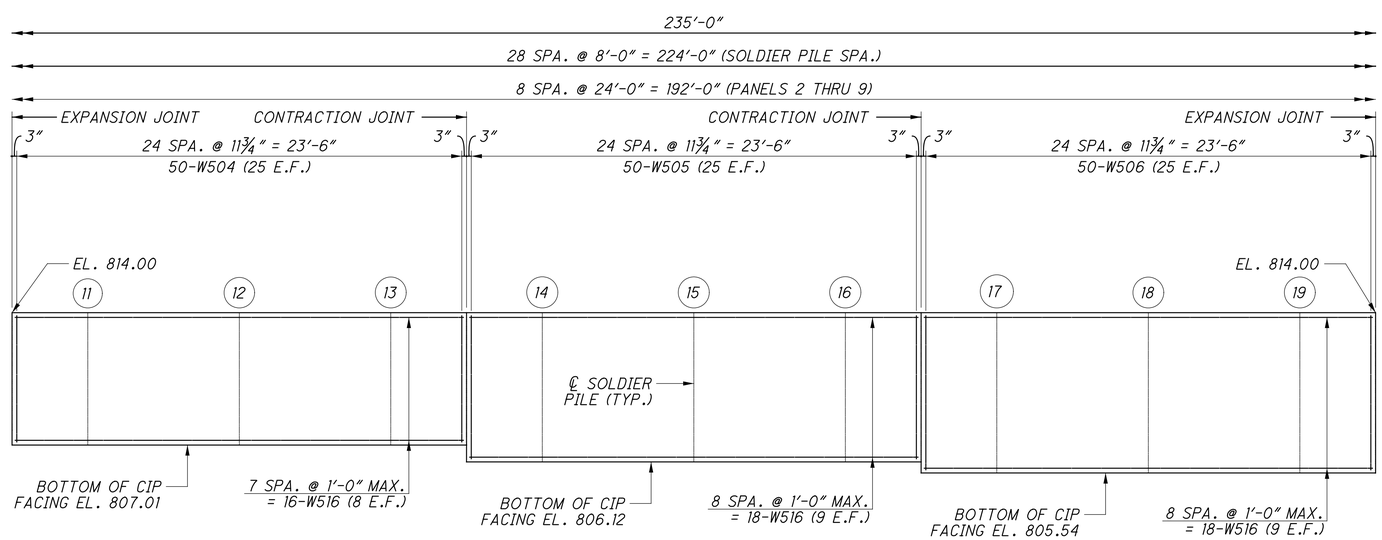


DEVELOPED ELEVATION - SOLDIER PILE LAYOUT



DEVELOPED ELEVATION - SOLDIER PILE LAYOUT

NOTES

ALL DIMENSIONS GIVEN ALONG REAR FACE OF WALL.

FOR ADDITIONAL WALL DETAILS, SEE SHEETS 6 THRU 8.

(X) - SOLDIER PILE NUMBER.

DESIGN AGENCY
STRUCTUREPOINT LLC
2500 CORPORATE SQUARE DR. STE 200
COLORADO SPRINGS, CO 80908
TEL: 719.597.7770 FAX: 719.597.7772
www.structurepoint.com

DESIGNED	DRAWN	REVIEWED	DATE
JCS	BMP	SFJ	12/9/2019
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CLB			

CIP REINFORCING DETAILS - 1
RETAINING WALL ALONG REFERENCE LINE PP-NE

HAM-PLAINFIELD RD
ROUNDABOUTS
PID No. 103416

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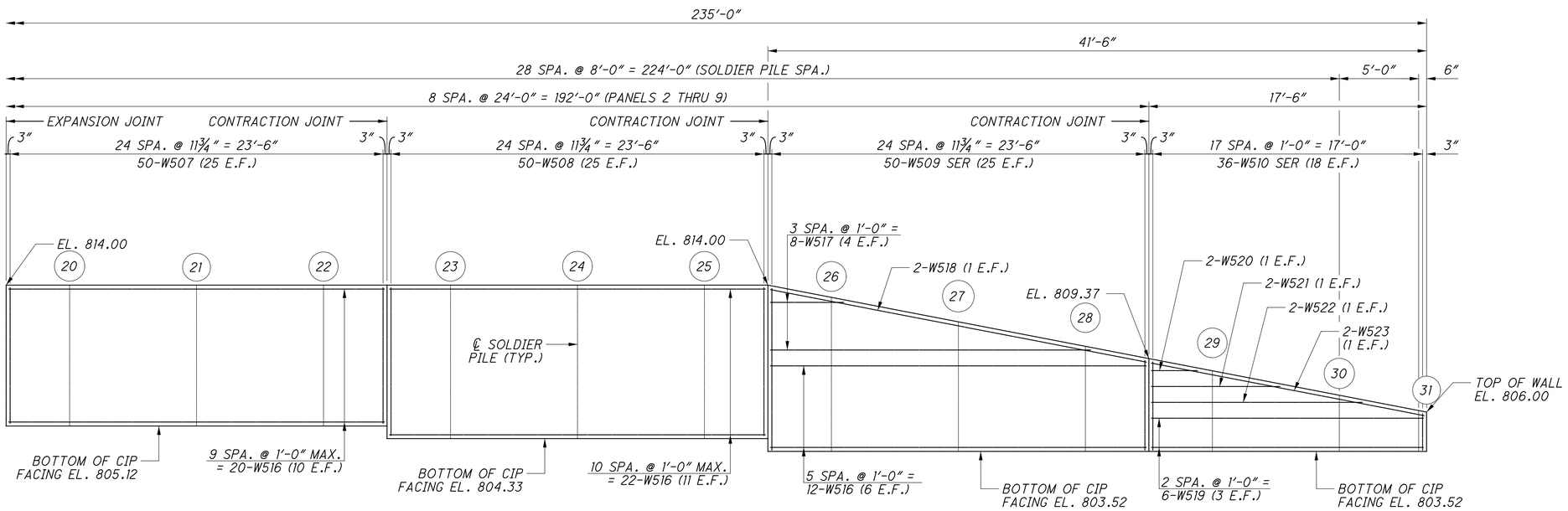

DEVELOPED ELEVATION - SOLDIER PILE LAYOUT

NOTES

ALL DIMENSIONS GIVEN ALONG REAR FACE OF WALL.

FOR ADDITIONAL WALL DETAILS, SEE SHEETS 6 THRU 8.

(X) - SOLDIER PILE NUMBER.

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNED	DRAWN	REVIEWED	DATE
JCS	BMP	SFJ	12/9/2019
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CLB			

CIP REINFORCING DETAILS - 2
RETAINING WALL ALONG REFERENCE LINE PP-NE

HAM-PLAINFIELD RD
ROUNDABOUTS
PID No. 103416

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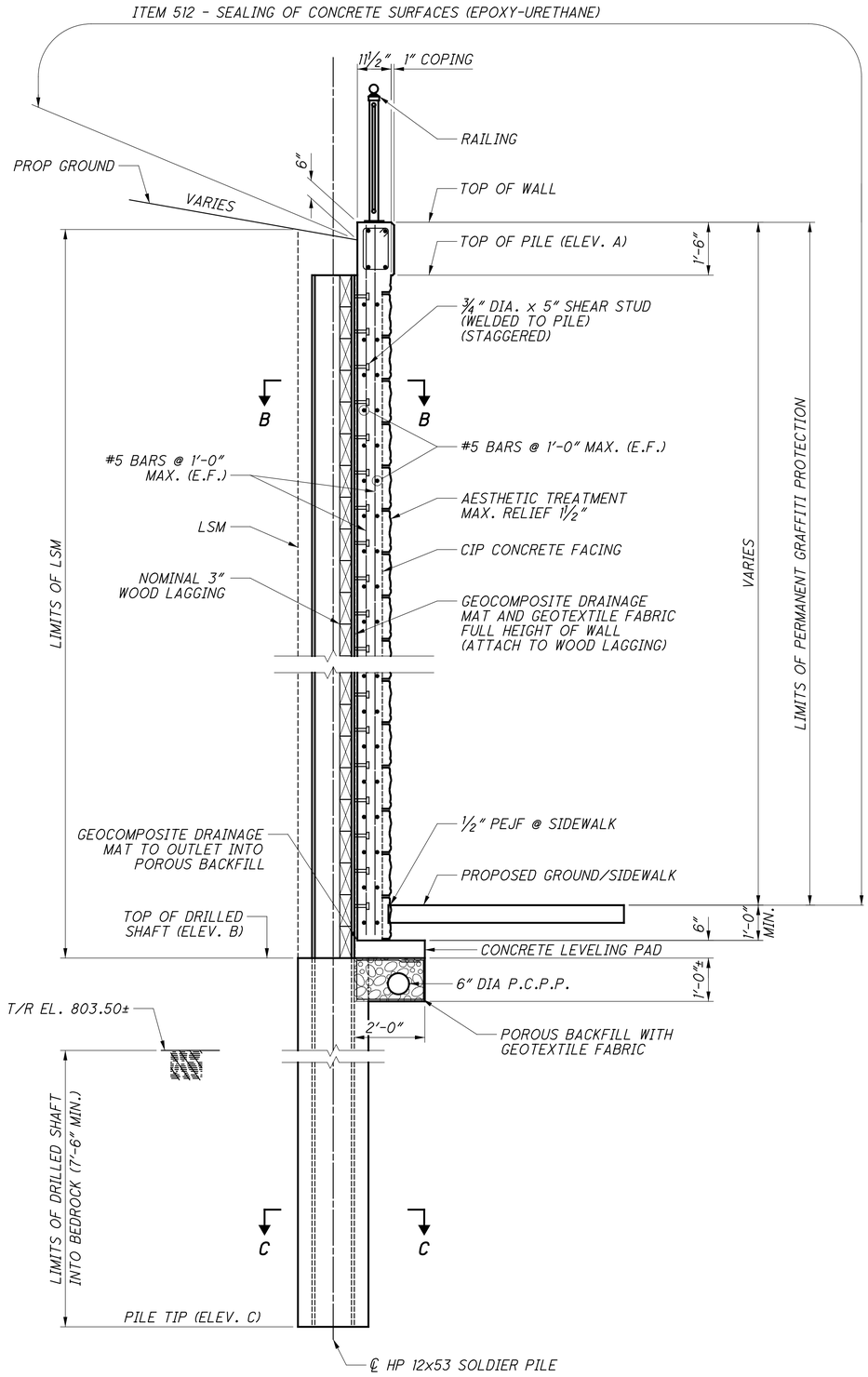
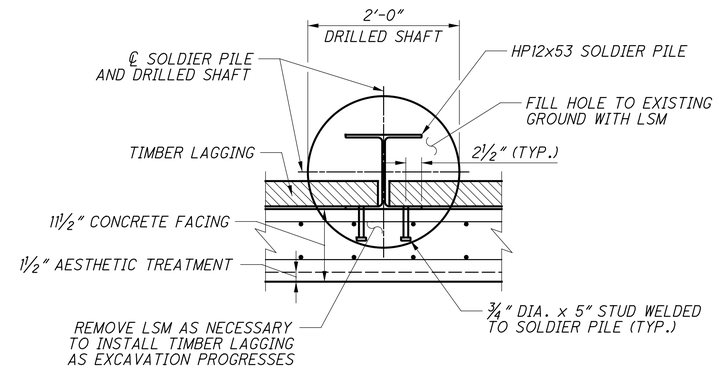
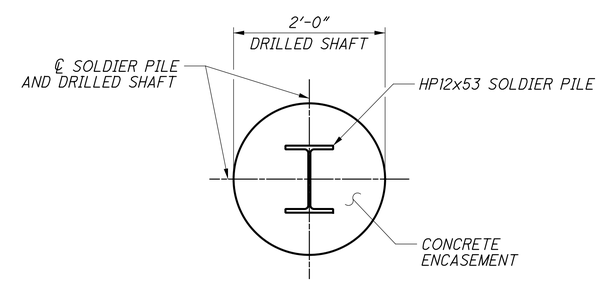


SECTION A-A



SECTION B-B



SECTION C-C

NOTES

TOP OF ROCK ELEVATION IS BASED ON BORING B-015-0-17.

PROVIDE 2" MINIMUM CLEAR COVER TO ALL REINFORCEMENT.

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.
2550 CORPORATE EXCHANGE DR. STE 300
COLUMBUS, OH 43231
TEL: 614.461.1222 FAX: 614.461.2226
www.structurepoint.com

DESIGNED	DRAWN	REVIEWED	DATE
JCS	BMP	SFJ	12/9/2019
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CLB			

RETAINING WALL DETAILS - 1
RETAINING WALL ALONG REFERENCE LINE PP-NE

HAM-PLAINFIELD RD
ROUNDABOUTS
PID No. 103416

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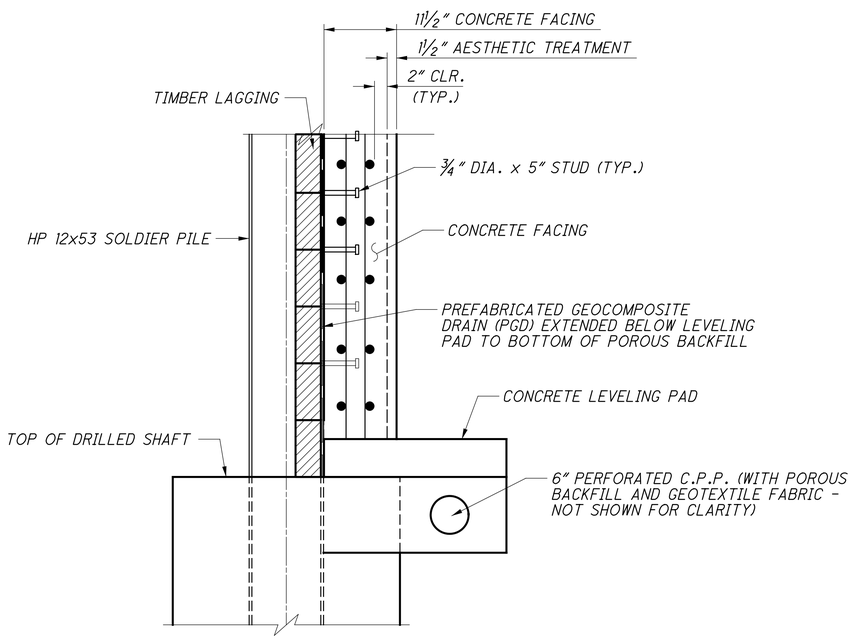
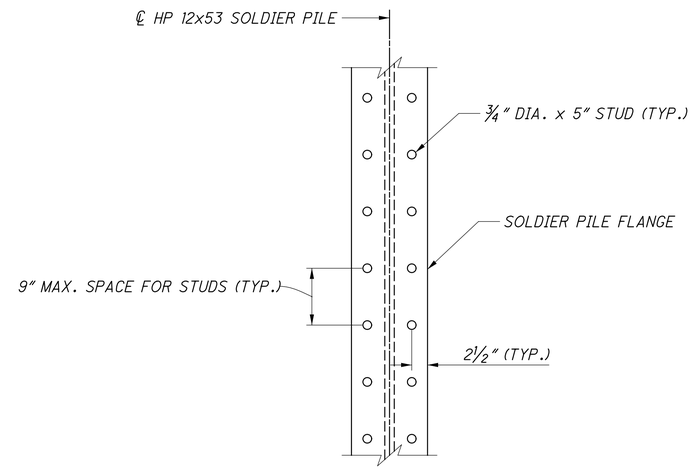
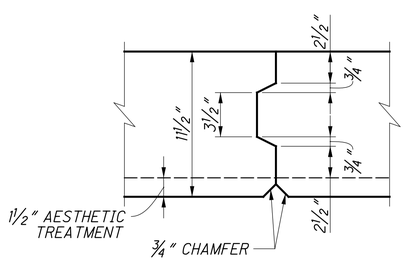


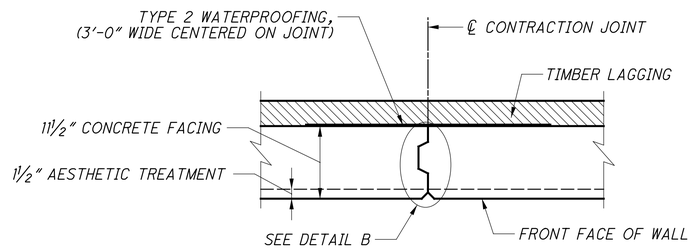
WALL DRAINAGE DETAIL



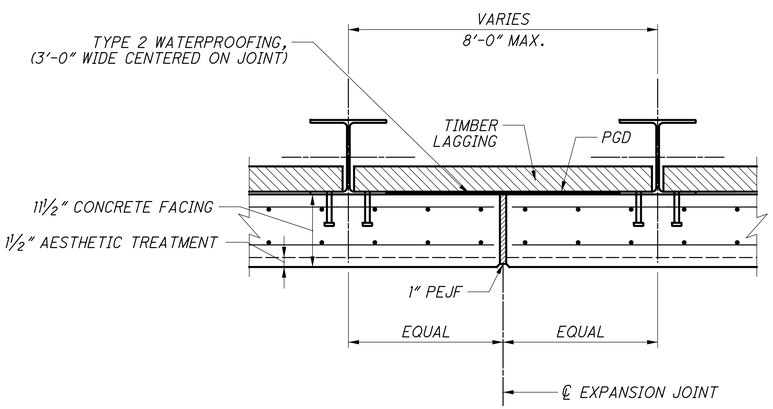
SOLDIER PILE ELEVATION



DETAIL B



CONTRACTION JOINT DETAIL



EXPANSION JOINT DETAIL

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.
2550 CORPORATE EXCHANGE DR. STE 300
COLUMBUS, OH 43231
TEL: (614) 223-7000 FAX: (614) 223-7200
www.structurepoint.com

DESIGNED	DRAWN	REVIEWED	DATE
JCS	BMP	SFJ	12/9/2019
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CLB			

RETAINING WALL DETAILS - 1
RETAINING WALL ALONG REFERENCE LINE PP-NE

HAM-PLAINFIELD RD
ROUNDABOUTS
PID No. 103416

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RETAINING WALL ELEVATION TABLE

SOLDIER PILE NUMBER	PILE STATION	TOP OF PILE EL. A	TOP OF DRILLED SHAFT EL. B	APPROX. PILE TIP EL. C
1	203+99.73	809.75	808.61	796.00
2	203+94.61	810.30	808.61	796.00
3	203+86.43	811.18	808.61	796.00
4	203+78.25	812.06	808.61	796.00
5	203+70.06	812.50	807.97	796.00
6	203+61.88	812.50	807.97	796.00
7	203+53.70	812.50	807.97	796.00
8	203+45.51	812.50	807.30	796.00
9	203+37.33	812.50	807.30	796.00
10	203+29.15	812.50	807.30	796.00
11	203+20.96	812.50	806.51	796.00
12	203+12.78	812.50	806.51	796.00
13	203+04.60	812.50	806.51	796.00
14	202+96.41	812.50	805.62	796.00
15	202+88.23	812.50	805.62	796.00
16	202+80.05	812.50	805.62	796.00
17	202+71.86	812.50	805.04	796.00
18	202+63.68	812.50	805.04	796.00
19	202+55.49	812.50	805.04	796.00
20	202+47.31	812.50	804.62	796.00
21	202+39.13	812.50	804.62	796.00
22	202+30.94	812.50	804.62	796.00
23	202+22.76	812.50	803.83	796.00
24	202+14.58	812.50	803.83	796.00
25	202+03.80	812.50	803.83	796.00
26	201+92.85	811.73	803.02	795.52
27	201+81.91	810.19	803.02	795.52
28	201+71.18	808.64	803.02	795.52
29	201+61.94	807.10	803.02	795.52
30	201+52.69	805.56	803.02	795.52
31	201+46.92	804.60	803.02	795.52

DESIGN AGENCY
MARTIN STRUCTUREPOINT INC.
2500 CORPORATE EXCHANGE DR. STE 300
COLUMBUS, OH 43231
TEL: 614.461.2220 FAX: 614.461.2226
www.structurepoint.com

DESIGNED	DRAWN	REVIEWED	DATE
JCS	BMP	SFJ	12/9/2019
CHECKED	REVISED	STRUCTURE FILE NUMBER	
CLB			

ELEVATION TABLE
RETAINING WALL ALONG REFERENCE LINE PP-NE

HAM-PLAINFIELD RD
ROUNDABOUTS
PID No. 103416

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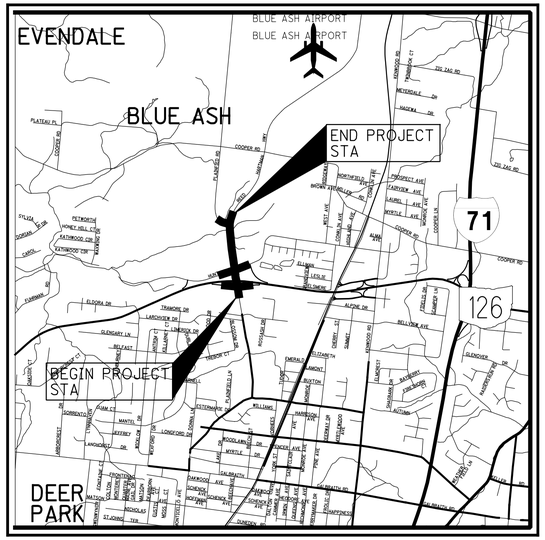
RIGHT OF WAY LEGEND SHEET
HAM-CR273-3.25

HAMILTON COUNTY
CITY OF BLUE ASH
SEC. 15 & 21, TOWNSHIP 4, ENTIRE RANGE 1
SYMMES PURCHASE



LOCATION MAP

LATITUDE: ° ′ ″ *LONGITUDE:* ° ′ ″

SCALE IN MILES

0 1 2 3 4

N

PROJECT DESCRIPTION

THIS PROJECT REPLACES THE SIGNALIZED INTERSECTIONS OF PLAINFIELD ROAD AND THE EASTBOUND SR 126 RAMPS, PLAINFIELD ROAD AND HUNT ROAD, AND PLAINFIELD ROAD AND PEPPERMILL LANE WITH MULTI-LANE ROUNDABOUTS

TYPES OF TITLE LEGEND:
WD = WARRANTY DEED
T = TEMPORARY EASEMENT
SW = SEWER EASEMENT
E = EXCESS LAND PARCEL

INDEX OF SHEETS:

LEGEND SHEET	1
CENTERLINE PLAT	2-4
PROPERTY MAP	5
SUMMARY OF ADDITIONAL R/W	6-8
R/W TOPO SHEETS	9-27 (ODD)
R/W BOUNDARY SHEETS	10-28 (EVEN)

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

CABLE/INTERNET
CINCINNATI BELL
221 E. 4TH STREET
BLDG 121-900
CINCINNATI, OHIO 45201
MARK CONNER
513-565-7043

ELECTRIC
DUKE ENERGY
139 E. 4TH STREET
ROOM 467A
CINCINNATI, OHIO 45202
JACK GARDNER

GAS
DUKE ENERGY
139 E. 4TH STREET
ROOM 467A
CINCINNATI, OHIO 45202
ED PAMER
513-287-2366

CABLE/INTERNET
TIME WARNER CABLE
11252 CORNELL PARK DRIVE
CINCINNATI, OHIO 45242
KENT RIEGER
513-386-5499

WATER
GREATER CINCINNATI WATER WORKS
4747 SPRING GROVE AVE
CINCINNATI, OHIO 45232
MICHAEL COSSINS
513-557-5799

SEWER
METROPOLITAN SEWER DISTRICT
1600 GEST STREET
CINCINNATI, OHIO 45204
ROB FRANKLIN
513-557-7188

CITY OF BLUE ASH
4343 COOPER ROAD
BLUE ASH, OHIO 45242
ZAK BRADLEY
513-745-8536

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

STRUCTURE KEY

- RESIDENTIAL
- COMMERCIAL
- OUT-BUILDING

CONVENTIONAL SYMBOLS

County Line
Township Line
Section Line
Corporation Line or
Fence Line (Ex) (Pr)
Center Line
Right of Way (Ex) Ex R/W
Right of Way (Pr) R/W
Standard Highway Ease.(Ex) Ex SH
Standard Highway Ease.(Pr) SH
Temporary Right of Way TMP
Channel Ease. (Pr) CH
Utility Ease. (Ex) Ex U
Railroad or
Guardrail (Ex) (Pr)
Construction Limits
Edge of Pavement (Ex)
Edge of Pavement (Pr)
Edge of Shoulder (Ex)
Edge of Shoulder (Pr)
Ditch / Creek (Ex)
Ditch / Creek (Pr)
Tree Line (Ex)
Ownership Hook Symbol , Example
Property Line Symbol , Example
Break Line Symbol , Example
Tree (Pr) , Tree (Ex) , Shrub (Ex)
Tree (Remove) , Shrub (Remove)
Evergreen (Ex) , Stump
Evergreen (Remove) , Stump (Remove)
Wetland (Pr) , Grass (Pr) , Aerial Target
Post (Ex) , Mailbox (Ex) MB , Mailbox (Pr) MB
Light (Ex) , Telephone Marker (Ex) TEL
Fire Hydrant (Ex) , Water Meter (Ex) WM
Water Valve (Ex) , Utility Valve Unknown (Ex.)
Telephone Pole (Ex) , Power Pole (Ex)
Light Pole (Ex)

PLANS PREPARED BY:

FIRM NAME : AMERICAN STRUCTUREPOINT, INC.
R/W DESIGNER: JONATHAN B. YOUMANS
R/W REVIEWER: BRIAN P. BINGHAM
FIELD REVIEWER: JONATHAN B. YOUMANS
PRELIMINARY FIELD REVIEW DATE: 5/07/2019
TRACINGS FIELD REVIEW DATE: _____
OWNERSHIP UPDATED BY: JONATHAN B. YOUMANS
DATE COMPLETED: 5/20/2019
PLAN COMPLETION DATE: _____

I, Brian P. Bingham, P. S. have conducted a survey of the existing conditions for the City of Blue Ash, Ohio. The results of that survey are contained herein. The horizontal coordinates expressed herein are based on the Ohio State Plane Coordinates System South Zone on NAD 83 (2011 Adjustment) datum. The Project Coordinates (US Survey Feet) are relative to State Plane Grid Coordinates (Meters or US Survey Feet) by a Project Adjustment Factor of 0.99990508. As a part of this project I have reestablished the locations of the existing property lines and the existing centerline of Right of Way for property takes contained herein. As a part of this project I have established the proposed property lines, calculated the Gross Take, present roadway occupied (PRO), Net Take and Net Residue; as well as prepared the legal descriptions necessary to acquire the parcels as shown herein. As a part of this work I have set right of way monuments at the property corners, property line intersection, points along the right of way and/or angle points on the right of way, Section Corners and other points as shown herein. All of my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "Minimum Standards for Boundary Surveys in the State of Ohio" unless noted. The words I and my as used herein are to mean either myself or someone working under my direct supervision.

Brian P. Bingham, Professional Land Surveyor 8438 Date:

SURVEYORS SEAL

FEDERAL PROJECT NO. 0
PID NO. 103416
CALCULATED JBY CHECKED BPB
RIGHT OF WAY LEGEND SHEET
HAM-PLAINFIELD RD ROUNDABOUTS
1/28
249/266

jschmeltzer 7:06:53 AM
1/14/2020
O:\2013\00482.C.Design\HAM\103416\Design Row\Sheets\103416_RL001.dgn

HAM-CR273-3.25

HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

SETTING OF ALL MONUMENTS SHALL BE PERFORMED BY A SURVEYOR REGISTERED IN THE STATE OF OHIO. THE MONUMENT ASSEMBLIES AND REFERENCE MONUMENTS WILL BE INSTALLED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. THE IRON PIN AND CAP (WHEN REQUIRED) ARE TO BE INSTALLED BY THE CONTRACTOR'S SURVEYOR.

CHANGES OR ALTERATIONS TO THE LOCATION OF ANY MONUMENTS SHOWN IN THIS TABLE, REQUIRE PRIOR APPROVAL FROM THE DISTRICT REAL ESTATE ADMINISTRATOR OF THE OHIO DEPARTMENT OF TRANSPORTATION. IN THE EVENT THAT CHANGES OR ALTERATIONS ARE APPROVED, A REVISED CENTERLINE PLAT WITH THE NEW LOCATIONS SHALL BE RECORDED IN THE APPLICABLE COUNTY RECORDS AND THE OHIO DEPARTMENT OF TRANSPORTATION. SPECIFICATIONS FOR MONUMENT ASSEMBLIES, REFERENCE MONUMENTS AND RIGHT OF WAY MONUMENTS ARE SHOWN ON STANDARD CONSTRUCTION DRAWING RM-1.1.

MONUMENT LEGEND

- M.N.F. EXISTING MAG NAIL
- M.N.S. PROPOSED MAG NAIL
- EXISTING CROSS CUT
- P.K.F. EXISTING P.K. NAIL
- RAILROAD SPIKE FOUND
- RAILROAD SPIKE SET
- I.P.F. IRON PIN FOUND
- I.P.F. IRON PIN FOUND W/ ID CAP
- I.P.S. IRON PIN SET W/ ID CAP
- P.F. IRON PIPE FOUND
- PROPOSED MON. BOX

TAG LEGEND

- ℄ R/W GEOMETRY
- ℄ CONST. GEOMETRY
- ADDTL ℄ INTERSECTIONS

AA PC STA 711+61.09
BB PT STA 714+48.31
CC PI STA 721+48.00
DD PC STA 728+26.03
EE PT STA 902+05.86
FF STA 904+57.53 (℄ CONST OLD PLAINFIELD)= STA 729+56.71 (℄ CONST PLAINFIELD)
GG STA 950+00.00 (℄ CONST PEPPERLANE) = STA XXX+XX.XX (℄ PLAINFIELD)
HH PC STA 951+87.24
II PCC STA 800+63.94
JJ PCC STA 802+79.57
KK PT STA 805+75.89
LL PC STA 500+00.00 = STA 807+67.73
MM PC STA 808+15.57
NN PT STA 501+56.40
OO PT STA 809+89.65
PP PC STA 502+68.19
QQ PT STA 504+31.53
RR STA 506+26.22 (℄ CONST HUNT) = STA 715+42.41 (℄ CONST PLAINFIELD)

1 STA 13+02.40 (℄ R/W PLAINFIELD) = STA 813+58.43 (℄ CONST. HUNT)
2 STA 714+55.26 (℄ CONST. PLAINFIELD) = STA 813+58.64 (℄ CONST. HUNT)
3 STA 20+00.20 (℄ R/W HUNT) = STA 714+59.26 (℄ CONST. PLAINFIELD)
4 STA 13+89.58 (℄ R/W PLAINFIELD) = STA 506+26.09 (℄ CONST. HUNT)
5 STA 15+57.24 (℄ R/W PLAINFIELD) = STA 717+10.05 (℄ CONST. PLAINFIELD)
6 STA 19+97.63 (℄ R/W PLAINFIELD, W OF PEPPERMILL) = STA 729+53.15 (℄ CONST. PLAINFIELD)
7 STA 28+01.86 (℄ R/W PLAINFIELD) = STA 950+02.22 (℄ CONST. PEPPERMILL)
8 STA 10+81.85 (℄ R/W HUNT) = STA 804+37.67 (℄ CONST. HUNT)

A PC STA 10+10.71
B PT STA 12+70.09
C PC STA 26+32.67
D PCC STA 27+99.36 BK (℄ R/W PLAINFIELD) = STA 27+99.33 AH (℄ R/W REED HARTMAN) = STA 20+00.00 (℄ R/W PLAINFIELD, W OF PEPPERMILL)
E PT STA 17+24.80
F STA 40+00.00 (℄ R/W PEPPERMILL) = STA 28+01.39 (℄ R/W REED HARTMAN)
G PC STA 41+99.13
H PI STA 7+11.38
I PI STA 10+89.47
J PI STA 14+48.06
K STA 20+00.00 (℄ R/W HUNT) = STA 12+89.37 (℄ R/W PLAINFIELD)
L STA 20+00.00 (℄ R/W HUNT) = STA 13+06.41 (℄ R/W PLAINFIELD)
M PI STA 25+35.99

BASIS FOR BEARINGS:

ALL BEARINGS SHOWN ARE FOR PROJECT USE ONLY. BEARINGS SHOWN HEREON ARE BASED ON GRID NORTH AS REFERENCED TO THE OHIO STATE PLANE COORDINATE SYSTEM (SOUTH ZONE) AND THE NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT), AS ESTABLISHED UTILIZING A GPS SURVEY AND AN NGS OPUS SOLUTION.

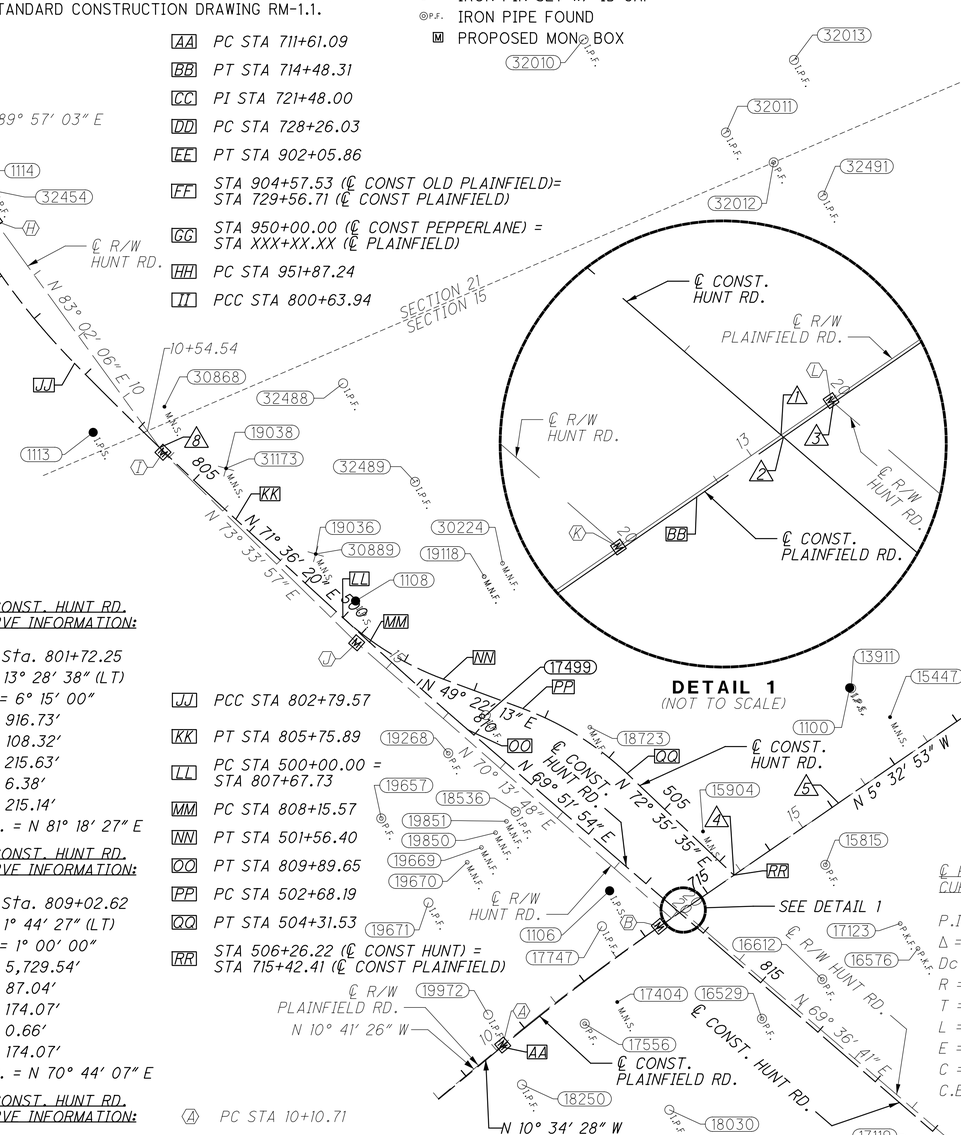
RECEIVED _____, 20__
RECORDED _____, 20__
BOOK _____ PAGE _____
COUNTY RECORDER

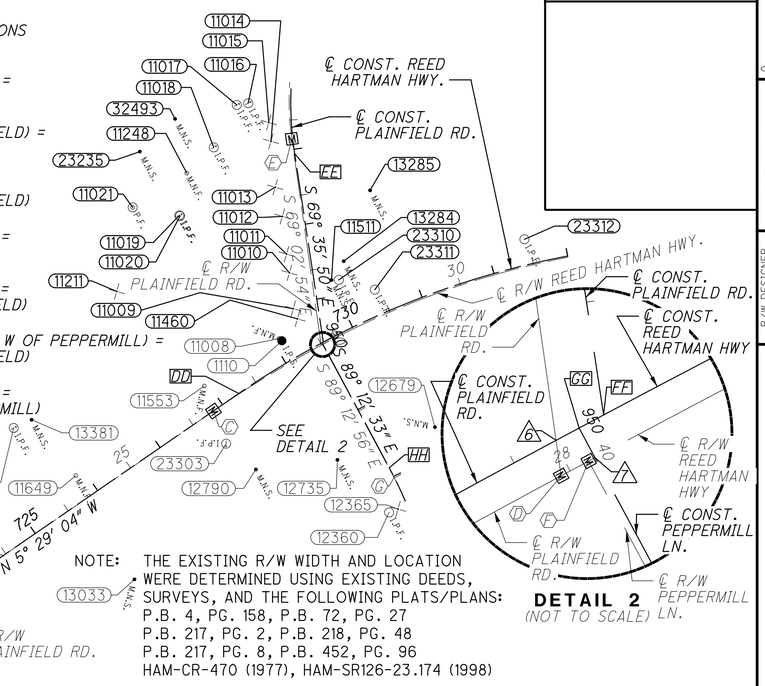
SURVEYORS SEAL

HORIZONTAL SCALE IN FEET

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB





NOTE: THE EXISTING R/W WIDTH AND LOCATION WERE DETERMINED USING EXISTING DEEDS, SURVEYS, AND THE FOLLOWING PLATS/PLANS:
P.B. 4, PG. 158, P.B. 72, PG. 27
P.B. 217, PG. 2, P.B. 218, PG. 48
P.B. 217, PG. 8, P.B. 452, PG. 96
HAM-CR-470 (1977), HAM-SR126-23.174 (1998)

℄ CONST. PLAINFIELD RD.
CURVE INFORMATION:
P.I.Sta. 713+04.79
Δ = 5° 01′ 35″ (RT)
Dc = 1° 45′ 00″
R = 3,274.04′
T = 143.70′
L = 287.23′
E = 3.15′
C = 287.13′
C.B. = N 8° 03′ 41″ W

℄ CONST. PLAINFIELD RD.
CURVE INFORMATION:
P.I.Sta. 732+64.65
Δ = 41° 53′ 27″ (RT)
Dc = 5° 00′ 00″
R = 1,145.92′
T = 438.63′
L = 837.82′
E = 81.08′
C = 819.28′
C.B. = N 15° 27′ 40″ E

℄ CONST. PLAINFIELD RD (W OF PEPPERMILL) CURVE INFORMATION:
P.I.Sta. 901+04.77
Δ = 26° 14′ 49″ (LT)
Dc = 12° 45′ 00″
R = 449.38′
T = 104.77′
L = 205.86′
E = 12.05′
C = 204.06′
C.B. = S 56° 28′ 25″ E

℄ R/W PLAINFIELD RD.
CURVE INFORMATION:
P.I.Sta. 11+40.49
Δ = 5° 11′ 15″ (RT)
Dc = 2° 00′ 00″
R = 2,864.79′
T = 129.78′
L = 259.38′
E = 2.94′
C = 259.29′
C.B. = N 8° 05′ 48″ W

℄ R/W PLAINFIELD RD.
CURVE INFORMATION:
P.I.Sta. 27+16.09
Δ = 6° 15′ 00″ (RT)
Dc = 3° 44′ 58″
R = 1,528.10′
T = 83.43′
L = 166.69′
E = 2.28′
C = 166.61′
C.B. = N 2° 22′ 41″ W

℄ R/W PLAINFIELD RD.
CURVE INFORMATION:
P.I.Sta. 27+99.36
Δ = 0° 00′ 01″ (RT)
Dc = 5° 00′ 00″
R = 1,145.92′
T = 0.00′
L = 0.01′
E = 0.00′
C = 0.01′
C.B. = N 0° 44′ 50″ E

℄ R/W PLAINFIELD RD.
CURVE INFORMATION:
P.I.Sta. 31+67.64
Δ = 35° 38′ 09″ (RT)
Dc = 5° 00′ 00″
R = 1,145.92′
T = 368.31′
L = 712.72′
E = 57.73′
C = 701.29′
C.B. = N 18° 33′ 55″ E

℄ R/W PLAINFIELD RD (W OF PEPPERMILL), CURVE INFORMATION:
P.I.Sta. 15+65.97
Δ = 55° 39′ 34″ (LT)
Dc = 16° 00′ 00″
R = 358.10′
T = 189.04′
L = 347.87′
E = 46.84′
C = 334.35′
C.B. = S 41° 13′ 07″ E

I, Brian P. Bingham, P. S. have conducted a survey of the existing conditions for the Ohio Department of Transportation. The results of that survey are contained herein. The horizontal coordinates expressed herein are based on the Ohio State Plane Coordinate System, South Zone on NAD 83 (2011 Adjustment) datum. The Project Coordinates (US Survey feet) are relative to State Plane Grid Coordinates (meters or US Survey feet) by a Project Adjustment Factor multiplier of 0.99990508. As a part of this project I have reestablished the locations of the existing property lines and centerline of existing Right of Way for property takes contained herein. All of my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "A Minimum Standards for Boundary Surveys in the State of Ohio" unless noted. The words I and my as used herein are to mean either myself or someone working under my direct supervision.

_____
Brian P. Bingham, Professional Land Surveyor No. 8438, Date:

CENTERLINE PLAT

HAM-PLAINFIELD RD ROUNDABOUTS

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SURVEYORS SEAL

HAM-CR273-3.25

HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

RECEIVED _____, 20____
RECORDED _____, 20____
BOOK _____ PAGE _____
COUNTY RECORDER

HORIZONTAL SCALE IN FEET

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

CENTERLINE PLAT

HAM-PLAINFIELD RD ROUNDABOUTS

SURVEY CONTROL POINTS (CL R/W PLAINFIELD)

POINT #	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
1100	452806.399	1431924.199	16+55.69	116.89 LT	5/8" IRON PIN SET W/ "ASI CONTROL POINT" CAP
1109	453195.933	1432055.889	20+30.80	51.55 RT	5/8" IRON PIN SET W/ "ASI CONTROL POINT" CAP
11008	453912.1	1431905.238	27+55.45	34.77 LT	MAG NAIL FND
11553	453795.514	1431912.097	26+41.21	34.11 LT	MAG NAIL FND
11649	453589.915	1431933.099	24+34.74	32.89 LT	MAG NAIL FND
12790	453801.543	1432041.466	26+35.15	95.27 RT	MAG NAIL SET
13033	453591.037	1432090.441	24+20.77	123.83 RT	MAG NAIL SET
13381	453574.531	1431840.28	24+28.33	126.76 LT	MAG NAIL SET
13387	453548.694	1431838.339	24+02.79	131.17 LT	IRON PIN FND W/ "JMA CONSULTANTS" CAP
13830	453316.624	1432085.674	21+48.07	92.77 RT	MAG NAIL SET
13911	452807.773	1431925.697	16+56.91	115.27	IRON PIN FND W/ "WOOLPERT CAP"
14166	453145.005	1432102.002	19+75.68	92.57 RT	RAILROAD SPIKE FND
14167	453201.627	1431975.003	20+44.22	28.42 LT	CROSS CUT FND
14168	453166.836	1431950.137	20+11.97	56.51 LT	1/2" IRON PIN FND
14170	453322.213	1431873.558	21+73.98	117.83 LT	MAG NAIL SET
14622	453114.364	1432057.208	19+49.48	45.04 RT	5/8" IRON PIN FND
14623	453060.423	1432062.331	18+95.29	44.97 RT	5/8" IRON PIN FND W/ "DUANE 4494" CAP
14626	453169.07	1432137.321	19+96.25	130.03 RT	IRON PIN FND W/ "ALS 5854" CAP
14627	453172.603	1432170.151	19+96.62	163.05 RT	IRON PIN FND W/ "ALS 5854" CAP
14629	453140.348	1432227.423	19+58.97	217.07 RT	5/8" IRON PIN FND
14630	453054.324	1432224.236	18.73.70	205.54 RT	IRON PIN FND W/ "DUANE 4494" CAP
15447	452834.186	1431983.891	16+77.62	54.81 LT	MAG NAIL SET
15815	452664.853	1432112.844	14+96.70	57.31 RT	1/2" IRON PIPE FND
15904	452545.097	1431995.959	13+88.71	70.52 LT	MAG NAIL SET
16576	452718.22	1432268.697	15+34.88	217.56 RT	PK NAIL FND
17123	452713.615	1432228.517	15+34.15	177.13 RT	PK NAIL FND
17404	452336.795	1432137.811	11+65.96	48.84 RT	MAG NAIL SET
17556	452285.342	1432141.967	11+13.57	45.70 RT	3/4" IRON PIPE FND
17747	452367.687	1432040.588	12+08.77	43.78 LT	3/8" IRON PIN FND
18030	452327.853	1432295.569	11+34.00	203.88 RT	3/8" IRON PIN FND
18250	452173.995	1432171.917	9+96.94	56.29 RT	3/8" IRON PIN FND
19972	452179.706	1432069.598	10+21.37	43.21 LT	3/8" IRON PIN FND
23303	453783.789	1431992.675	26+22.01	45.00 RT	5/8" IRON PIN FND W/ "JJD ASSOC 7757" CAP
1110	453914.034	1431909.618	27+57.28	30.36 LT	5/8" IRON PIN SET W/ "ASI CONTROL POINT" CAP
32492	453073.629	1431771.517	19+36.33	243.24 LT	IRON PIN FND W/ "TGA 4653" CAP
13552	453449.707	1431947.617	22+93.78	31.89 LT	PK NAIL FND

SURVEY CONTROL POINTS (CL R/W. HUNT)

POINT #	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
1106	452399.299	1432004.523	19+14.89	26.44 RT	5/8" IRON PIN SET W/ "ASI CONTROL POINT" CAP
1114	452115.215	1430732.546	6+06.90	3.86 RT	MAG NAIL SET
16529	452493.149	1432249.777	21+72.81	39.46 RT	3/4" IRON PIPE FND
16612	452587.942	1432242.886	21+99.37	51.79 LT	3/4" IRON PIPE FND
17119	452596.763	1432507.499	24+50.48	32.13 RT	3/4" IRON PIPE FND
17499	452369.003	1431722.464	16+39.20	40.45 LT	IRON PIN FND W/ "WOOLPERT TRAV" CAP
18536	452341.616	1431853.064	17+52.84	29.50 RT	5/8" IRON PIN FND W/ "PS 6364" CAP
18723	452481.327	1431803.175	17+53.15	118.85 LT	MAG NAIL FND
19036	452275.931	1431427.554	13+27.33	45.67 LT	CROSS CUT FND
19038	452227.311	1431271.292	11+63.70	43.24 LT	CROSS CUT FND
19118	452455.877	1431561.569	15+17.18	176.62 LT	MAG NAIL FND
19268	452301.181	1431742.335	16+34.96	30.10 RT	3/4" IRON PIPE FND
19657	452182.124	1431774.694	16+25.14	153.08 RT	3/4" IRON PIPE FND
19669	452279.082	1431872.334	17+49.83	94.86 RT	MAG NAIL FND
19670	452253.141	1431880.317	17+48.56	121.98 RT	MAG NAIL FND
19671	452182.619	1431902.054	17+45.17	195.69 RT	5/8" IRON PIN FND
19850	452304.858	1431864.409	17+51.09	67.93 RT	MAG NAIL FND
19851	452324.71	1431858.25	17+52.00	47.16 RT	MAG NAIL FND
30224	452485.61	1431558.019	15+23.89	205.81 LT	MAG NAIL FND
1108	452291.836	1431507.29	14+08.31	38.36 LT	5/8" IRON PIN SET W/ "ASI CONTROL POINT" CAP
30868	452195.743	1431160.649	10+41.92	36.95 RT	MAG NAIL SET
30889	452275.951	1431427.557	13+27.34	45.69 LT	MAG NAIL SET
31173	452227.326	1431271.305	11+63.72	43.25 LT	MAG NAIL SET
1107	452705.024	1432621.679	25+96.03	27.94 LT	5/8" IRON PIN SET W/ "ASI CONTROL POINT" CAP
32010	452914.792	1431005.382	9+74.99	769.52 LT	1/2" IRON PIN FND W/ "CAPUT" CAP
32011	453019.4	1431204.092	13+23.34	821.98 LT	5/8" IRON PIN FND W/ "CAPUT" CAP
32012	453055.409	1431269.101	13+95.88	838.13 LT	1.5" IRON PIPE FND
32013	453144.481	1431163.976	13+20.25	953.3 LT	1/2" IRON PIN FND W/ "RLS 4494" CAP
32454	452136.325	1430801.145	6+75.48	17.31 LT	1/2" IRON PIN FND W/ "RLS 4494" CAP
32488	452416.933	1431248.151	11+95.15	231.66 LT	5/8" IRON PIN FND
32489	452436.798	1431407.955	13+54.05	205.51 LT	5/8" IRON PIN FND W/ "BAYER BECKER" CAP
32491	453090.773	1431338.958	15+22.44	849.40 LT	IRON PIN FND W/ "TGA 4653" CAP
1113	452097.011	1431144.556	10+13.96	59.09 RT	5/8" IRON PIN SET W/ "ASI CONTROL POINT" CAP
30224	452485.610	1431558.019	15+23.89	205.81 LT	MAG NAIL FND

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HAM-CR273-3.25

HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

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RECORDED _____, 20____
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COUNTY RECORDER

HORIZONTAL SCALE IN FEET

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

CENTERLINE PLAT

HAM-PLAINFIELD RD ROUNDABOUTS

SURVEYORS SEAL

SURVEY CONTROL POINTS (CL R/W PLAINFIELD, WEST OF PEPPERMILL)					
POINT #	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
11009	453947.785	1431879.861	19+47.02	29.67 RT	CROSS CUT FOUND
11010	453966.285	1431836.004	18+99.45	28.08 RT	CROSS CUT FOUND
11011	453974.998	1431812.607	18+74.48	28.30 RT	CROSS CUT FOUND
11012	453994.299	1431766.396	18+24.42	26.80 RT	CROSS CUT FOUND
11013	454004.793	1431728.144	17+84.95	30.68 RT	CROSS CUT FOUND
11014	454029.225	1431672.497	17+24.28	27.76 RT	CROSS CUT FOUND
11015	454038.701	1431649.391	17+01.11	28.02 RT	CROSS CUT FOUND
11016	454027.416	1431613.88	16+77.18	54.05 RT	5/8" IRON PIN FND W/ "CPDLOH ASSOC" CAP
11018	453959.329	1431642.833	17+22.27	103.66 RT	IRON PIN FND W/ "CPDLOH ASSOC" CAP
11019	453876.036	1431699.216	18+03.98	161.27 RT	5/8" IRON PIN FND W/ UNREADABLE CAP
11020	453876.52	1431700.449	18+04.95	160.38 RT	5/8" IRON PIN FND
11021	453827.346	1431660.081	17+84.84	220.73 RT	1/4" IRON PIPE FND
11211	453754.989	1431746.837	18+91.73	257.29 RT	CROSS CUT FOUND
11248	453911.691	1431655.253	17+50.17	143.69 RT	MAG NAIL FND
11460	453946.017	1431894.315	19+61.15	26.15 RT	CROSS CUT FOUND
11511	454010.255	1431871.307	18+06.67	92.71 LT	MAG NAIL SET
13284	454036.446	1431857.413	18+94.35	45.10 LT	MAG NAIL SET
13285	454112.263	1431792.554	18+06.67	92.71 LT	MAG NAIL SET
23235	453871.312	1431600.313	17+17.44	201.17 RT	MAG NAIL SET
23310	454018.709	1431875.893	19+17.95	35.15 LT	1/2" IRON PIN FND
32493	453932.95	1431585.128	16+91.19	151.16 RT	MAG NAIL SET
11017	454013.073	1431608.629	16+79.06	69.17 RT	5/8" IRON PIN FND W/ "CPDLOH ASSOC" CAP

SURVEY CONTROL POINTS (CL R/W REED HARTMAN)					
POINT #	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
23311	454054.043	1431910.183	28+93.65	35.03 LT	1/2" IRON PIN FND
23312	454258.996	1431947.993	30+96.12	35.30 RT	5/8" IRON PIN FND

SURVEY CONTROL POINTS (CL R/W PEPPERMILL)					
POINT #	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
12360	453927.819	1432176.459	42+40.43	24.95 RT	5/8" IRON PIN FND
12365	453940.143	1432178.313	42+40.41	12.49 RT	CROSS CUT FND
12679	454035.325	1432107.394	41+66.35	79.00 LT	MAG NAIL SET
12735	453901.855	1432082.595	41+43.38	54.80 RT	MAG NAIL SET

MONUMENTS SET (CL R/W HUNT)				
NORTHING	EASTING	STATION	DESCRIPTION	PLAN TAG
452118.985	1430837.029	07+11.38	MON BOX ASSEMBLY (PI)	H
452164.833	1431212.325	10+89.47	MON BOX ASSEMBLY (PI)	I
452266.285	1431556.269	14+48.06	MON BOX ASSEMBLY (PI)	J
452452.975	1432075.680	20+00.00	MON BOX ASSEMBLY (INT W/ CL R/W PLAINFIELD)	K
452469.937	1432074.046	20+00.00	MON BOX ASSEMBLY (INT W/ CL R/W PLAINFIELD)	L
452656.668	1432576.455	25+35.99	MON BOX ASSEMBLY (PI)	M

MONUMENTS SET (CL R/W PLAINFIELD)				
NORTHING	EASTING	STATION	DESCRIPTION	PLAN TAG
452177.082	1432114.048	10+10.71	MON BOX ASSEMBLY (PC)	A
452433.784	1432077.529	12+70.09	MON BOX ASSEMBLY (PT)	B
452452.975	1432075.680	12+89.37	MON BOX ASSEMBLY (INT W/ CL R/W HUNT)	K
452469.937	1432074.046	13+06.41	MON BOX ASSEMBLY (INT W/ CL R/W HUNT)	L
453790.084	1431946.860	26+32.67	MON BOX ASSEMBLY (PC)	C
453956.548	1431939.947	27+99.36 BK 27+99.33 AH	MON BOX ASSEMBLY (PCC & INT W/ CL R/W REED HARTMAN)	D

MONUMENTS SET (CL R/W PLAINFIELD W. OF PEPPERMILL)				
NORTHING	EASTING	STATION	DESCRIPTION	PLAN TAG
454054.955	1431682.943	17+24.80	MON BOX ASSEMBLY (PT)	E
453956.548	1431939.947	20+00.00	MON BOX ASSEMBLY(INT W/ CL R/W REED HARTMAN)	D

MONUMENTS SET (CL R/W REED HARTMAN)				
NORTHING	EASTING	STATION	DESCRIPTION	PLAN TAG
453956.548	1431939.947	27+99.33	MON BOX ASSEMBLY (INT W/ CL R/W PLAIN)	D
453958.611	1431939.976	28+01.39	MON BOX ASSEMBLY (INT W/ CL R/W PEPPERMILL)	F

TOTAL NO. OF MONUMNET BOX
ASSEMBLEYS TO BE SET = 12

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HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

(10) PID: 612-0080-0050
GOC REALCO LLC

(11) PID: 612-0070-0004
BLUE HILLS CO., LLC

(12) PID: 612-0070-0207
BRODOF AUTO CARE, INC.

(13) PID: 612-0080-0079
SPEEDWAY SUPERAMERICA LLC

(14) PID: 612-0070-0215
HASAN A. ISMAIL

(15) PID: 612-0070-0213
RMB WEST CORPORATION

(16) PID: 612-0080-0638
BLUE ASH, OH REALTY LLC

(17) PID: 612-0070-0226
CHANTILAS CINCY PROPERTIES, LLC

(18) PID: 612-0070-0410
RG INVESTMENTS, LLC

(19) N/A

(20) MAJID A. QURESHI AND FARHAT N. QURESHI,
CO-TRUSTEES UNDER AN AMENDED AND RESTATED
TRUST AGREEMENT DATED 12/13/936, AS AMENDED
BY THE FIRST AMENDMENT TO AMENDED AND RESTATED
TRUST ARGREEMENT DATED JULY 15, 1994

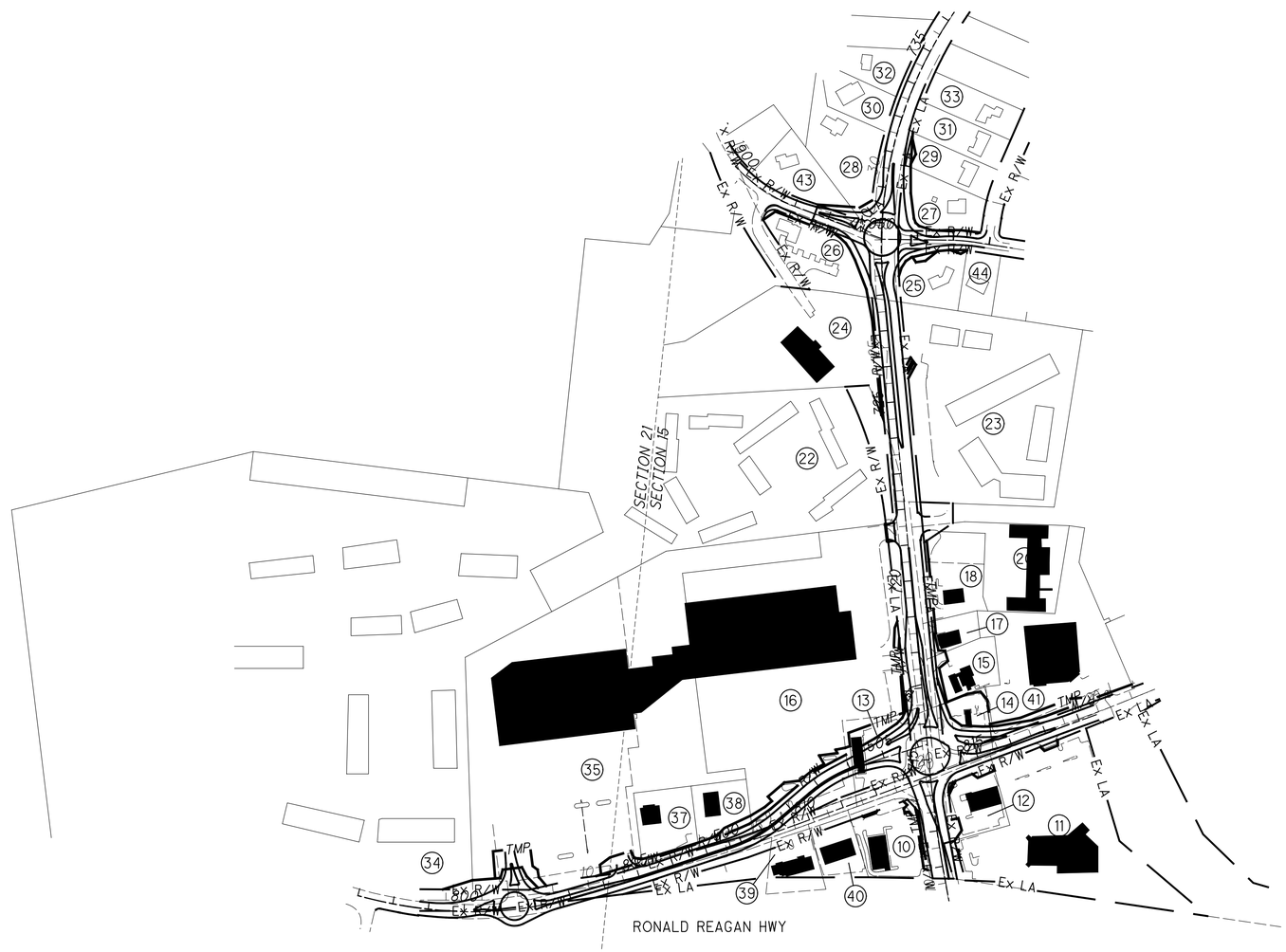
(21) N/A

(22) PID: 612-0080-0739
WALNUT CREEK PARTNERSHIP

(23) PID: 612-0070-0774
ST. ANDREWS PLACE
HOMEOWNERS' ASSOCIATION, INC.

(24) PID: 612-0080-0042
PLAINFIELD DEVELOPMENT, LTD.

(25) PID: 612-0080-0507
RYAN MCNALLY



(26) PID: 612-0080-0037
CREEKSIDE POINTE, LLC

(27) PID: 612-0080-0519
PAUL A. SOLOMON AND
ARLENE L. SOLOMON

(28) PID: 612-0080-0519
DAVID W. HOLMES AND
BLAMOH W. HOLMES

(29) PID: 612-00800543
MICHAEL A. MOSKOWITZ AND
DANA R. MOSKOWITZ

(30) PID: 612-0080-0518
PETER S. ZULIA AND
LINDA B. ZULIA

(31) PID: 612-0080-0544
JOHN O. KINSINGER AND
GABRIELLE V. DOWNEY

(32) PID: 612-0080-0517
MARY ANNE MOODY

(33) PID: 612-0080-0545
LEONARD H. LOEB AND
DEBRA RANDMAN LOEB

(34) PID: 612-0091-0091
BRG DEERCROSS HOLDING COMPANY, LLC

(35) PID: 612-0080-L044, 612-0080-L043
KM BLUE ASH DEVELOPMENT COMPANY
BLUE ASH PLAZA ASSOCIATES

(36) N/A

(37) PID: 612-0080-0635
MCDONALD'S CORPORATION

(38) PID: 612-0080-0635
PEOPLE'S SAVINGS ASSOCIATION

(39) PID: 612-0080-0049
HARBER ENTERPRISES, LTD.

(40) PID: 612-0080-0046
PAYTES RENTALS LLC

(41) PID: 612-0070-0315
ROSE MARY BEDINGHAUS

(42) N/A

(43) PID: 612-0080-0540
DIANNIS G. KING AND
B. KATHRYN KING

(44) PID: 612-0080-0506
DONNA FLETCHER AND
ST. JOHN FLETCHER

REV. BY	DATE	DESCRIPTION

DATE COMPLETED

N

HORIZONTAL SCALE IN FEET
0 100 200 400

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

PROPERTY MAP

HAM-PLAINFIELD RD ROUNDABOUTS

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TOTAL NUMBER OF :

24 OWNERSHIPS 00 TOTAL TAKES

47 PARCELS 02 OWNERSHIPS W/ STRUCTURES INVOLVED

NET TAKE = GROSS TAKE - PRO IN TAKE
NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE
ALL AREA IN ACRES

GRANTEE:

ALL RIGHT OF WAY ACQUIRED IN THE NAME OF CITY OF BLUE ASH, OHIO UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE LEFT	NET RESIDUE RIGHT	TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
1-9	NOT USED												LOCAL		
													FED.		
10-WD	GOC REALCO LLC		OR 12973, PG 1288	612-0080-0050	0.793	0.000	0.009	0.000	0.009		0.784			(+) 6-SHRUBS,	
10-T1							0.055	0.000	0.055					TO GRADE AND RECONSTRUCT DRIVE	
														(+) 6-SHRUBS, 1-SIGN, 1000-SF LANDSCAPING, 1-CAT. BASIN	
														0.001 AC. IN EX. UTILITY EASE.)	
10-T2							0.005	0.000	0.005					TO RECONSTRUCT DRIVE	
11-T1	BLUE HILLS CO., LLC		OR 12443, PG 1263	612-0070-0004	3.996	0.000	0.001	0.000	0.001					TO GRADE AND RECONSTRUCT DRIVE	
11-T2			DB 4184, PG 1836			0.000	0.015	0.000	0.015					TO GRADE AND RECONSTRUCT DRIVE	
														(+) 36 LF TRENCH DRAIN	
12-WD	BRODOF AUTO CARE, INC.		OR 6629, PG 1193	612-0070-0207	0.493	0.000	0.003	0.000	0.003			0.490		(*) 4-TREES, 13-SHRUBS, 6-PARKING STALLS	
														(+) 2-SHRUBS,	
12-T1							0.023	0.000	0.023					TO RECONSTRUCT DRIVE, (+) 1-PARKING STALL	
12-T2							0.004	0.000	0.004					FOR GRADING	
														(+) 3-SHRUBS	
12-T3							0.019	0.000	0.019					TO RECONSTRUCT DRIVE	
13-WD	SPEEDWAY SUPERAMERICA LLC		OR 7885, PG 991	612-0080-0079	0.644 (c)	0.000	0.511	0.000	0.511		0.133			(+) 1-GAS CANOPY, 6-GAS PUMPS, 2734 SF BLDG, 1-A/C UNIT	
														(+) 1-POLE SIGN, 21-LF GUARD RAIL, 34-LF TRENCH DRAIN	
														(+) 19-BOLLARDS, 2-LIGHT POLES, 1-FLAG POLE, 247-LF HEDGE	
13-E							0.133	0.000	0.133			0.000		UNECONOMIC REMNANT	
13-T							0.133	0.000	0.133					FOR GRADING AND DEMOLITION OF EXISTING STRUCTURES	
														(+) 63-LF FENCE, 6-PARKING STALLS, 3-LIGHT POLES	
														(+) 1-SHRUB, 7-BOLLARDS	
14-WD	HASAN A. ISMAIL		OR 9026, PG 213	612-0070-0215	0.433 (c)	0.000	0.215	0.000	0.215			0.218		(+) 1-GAS CANOPY, 1-GAS PUMP, 3-LIGHT POLES, 1-SIGN	
														(+) 3-BOLLARDS, 4-SHRUBS	
14-E							0.218	0.000	0.218			0.000		UNECONOMIC REMNANT	
14-T							0.206	0.000	0.206					FOR GRADING AND DEMOLITION OF EXISTING STRUCTURES	
														(+) 692 SF BLDG, 3-GAS PUMPS, 4-BOLLARDS	
15-WD	RMB WEST CORPORATION		OR 6933, PG 1747	612-0070-0213	0.552	0.000	0.013	0.000	0.130			0.422		(+) 1- SIGN	
15-T							0.044	0.000	0.044					TO GRADE AND RECONSTRUCT DRIVE	
														(+) 1-ROCK, 3-SHRUBS, 1-PARKING STALL	
16-WD1	BLUE ASH, OH REALTY LLC		OR 10469, PG 2060	612-0080-0638	8.351	0.000	0.021	0.000	0.021					(*) 1-TREE	
16-WD2						0.000	0.540	0.000	0.540		7.790			(0.010 AC. IN EX. SEWER EASE.)	
														(+) 29-PARKING STALLS, 7-TREES, 17-SHRUBS, 1-SIGN	
														(+) 2-BOLLARDS, 1-LIGHT POLE, 94-LF HEDGE	
16-T1							0.051	0.000	0.051					TO GRADE AND RECONSTRUCT DRIVE	
														(+) 53 LF HEDGE, 1-SIGN	
16-T2							0.004	0.000	0.004					TO RECONSTRUCT DRIVE	
16-T3							0.138	0.000	0.138					TO GRADE AND RECONSTRUCT DRIVE	
														(+) 2-TREES, 15-SHRUBS, 8-PARKING STALLS	
17-T	CHANTILAS CINCY PROPERTIES, LLC		OR 10623, PG 719	612-0070-0226	0.265	0.000	0.021	0.000	0.021					FOR GRADING	
														(+) 326-SF LANDSCAPING	
18-T	RGT INVESTMENTS, LLC		OR 13190, PG 1748	612-0070-0410	0.515	0.000	0.030	0.000	0.030					FOR GRADING AND TO CONSTRUCT DRIVE	
				612-0070-0223	0.319	0.000	0.010	0.000	0.010					(+) 2- TREES, 71-SF LANDSCAPING	
			TOTAL:		0.834		0.040	0.000	0.040						
19	NOT USED												LOCAL		
													FED.		

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

NOTE: ALL TEMPORARY PARCELS TO BE OF 24 MONTH DURATION.

(c) = CALCULATED AREA

* DENOTES RIGHT OF WAY ENCROACHMENT

TYPES OF TITLE LEGEND:
WD = WARRANTY DEED
T = TEMPORARY EASEMENT
SW = SEWER EASEMENT

+ DENOTES REMOVAL ITEMS SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

REV. BY	DATE	DESCRIPTION

FIELD REVIEW BY DATE:
OWNERSHIP VERIFIED BY DATE:
DATE COMPLETED

FEDERAL PROJECT NO. 0
PID NO. 103416
STATE JOB NO. 0
R/W DESIGNER JBY
R/W REVIEWER BPB

SUMMARY OF ADDITIONAL RIGHT OF WAY

HAM-PLAINFIELD RD ROUNDABOUTs

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NET TAKE = GROSS TAKE - PRO IN TAKE
NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE
ALL AREA IN ACRES

GRANTEE:
ALL RIGHT OF WAY ACQUIRED IN THE NAME OF CITY OF BLUE ASH, OHIO UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE LEFT	NET RESIDUE RIGHT	TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
19	NOT USED												LOCAL		
													FED.		
20	MAJID A. QURESHI AND FARHAT N. QURESHI,		OR 8132, PG 242	612-0070-0403	1.315									NO ADDITIONAL R/W REQUIRED	
	CO-TRUSTEES UNDER AN AMENDED AND														
	RESTATED TRUST AGREEMENT DATED														
	12/13/93, AS AMENDED BY THE FIRST														
	AMENDMENT TO AMEND AND RESTATED														
	TRUST AGREEMENT DATED JULY 15, 1994														
21	NOT USED														
22	WALNUT CREEK LIMITED PARTNERSHIP		DB 4341, PG 25	612-0080-0739										NO ADDITIONAL R/W REQUIRED	
23-WD	ST. ANDREWS PLACE HOMEOWNERS		PB 72, PG 27	612-0070-0774	3.367	0.000	0.004	0.000	0.004			3.363		(0.004 AC. IN EX. SLOPE EASE.)	
	ASSOCIATION, INC.													(0.001 AC. IN EX. SEWER EASE.)	
														(+) 2-TREES	
23-T							0.013	0.000	0.013					TO CONSTRUCT WALK	
														(+) 6-TREES, 17-LF HEDGE	
24-WD	PLAINFIELD DEVELOPMENT, LTD.		DB 6586, PG 812	612-0080-0042	3.000	0.000	0.048	0.000	0.048		2.952			(0.048 AC. IN EX. SLOPE EASE.)	
25-WD	RYAN J. MCNALLY		OR 12337, PG 1162	612-0080-0507	0.647	0.000	0.062	0.000	0.062			0.585		(0.030 AC. IN EX. SLOPE EASE.)	
														(0.022 AC. IN EX. SEWER EASE.)	
														(0.023 AC. IN EX. UTILITY EASE.)	
														(+) 3-TREES, 2-YARD LIGHTS, 18-LF FENCE	
														(+) 833-SF LANDSCAPING	
25-T1							0.020	0.000	0.020					FOR GRADING	
														(0.011 AC. IN EX. SEWER EASE.)	
														(0.001 AC. IN EX. UTILITY EASE.)	
25-T2							0.006	0.000	0.006					TO CONSTRUCT DRIVE	
														(0.006 AC. IN EX. UTILITY EASE.)	
														(+) 1 TREE, 33-LF FENCE	
26-WD	CREEKSIDE POINTE, LLC		OR 12904, PG 1932	612-0080-0037	0.932	0.000	0.150	0.000	0.150		0.782			(0.150 AC. IN EX. SLOPE EASE.)	
														(0.079 AC. IN EX. SEWER EASE.)	
														(+) 1-SIGN, 1-TREE	
27-WD	PAUL A. SOLOMON AND ARLENE L. SOLOMON		DB 4247, PG 1047	612-0080-0494	0.737	0.000	0.142	0.000	0.142			0.595		(0.132AC. IN EX. SLOPE EASE.)	
														(0.016 AC. IN EX. UTILITY EASE.)	
														(+) 3-YARD LIGHTS, 4-TREES, 561-SF LANDSCAPING	
27-T							0.008	0.000	0.008					FOR GRADING	
														(0.002 AC. IN EX. SEWER EASE.)	
														(0.008 AC. IN EX. UTILITY EASE.)	
														(+) 168-LF FENCE	
28-WD	DAVID W. HOLMES AND		OR 11373, PG 1981	612-0080-0519	1.022	0.000	0.030	0.000	0.030					(0.030 AC. IN EX SLOPE EASE.)	
	BLAMOH W. HOMLES		OR 11161, PG 1106											(0.023 AC. IN EX. SEWER EASE.)	
														(+) 52-LF FENCE	
														(*) 209-LF FENCE	
29-WD	MICHAEL A. MOSKOWITZ AND		OR 13462, PG 129	612-0080-0543	0.516	0.000	0.019	0.000	0.019			0.497		(0.019 AC. IN EX. SLOPE EASE.)	
	DANA R. MOSKOWITZ													(+) 3-TREES, 92 LF FENCE	
													LOCAL		
													FED.		

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REV. BY	DATE	DESCRIPTION

FIELD REVIEW BY DATE:
OWNERSHIP VERIFIED BY DATE:
DATE COMPLETED

FEDERAL PROJECT NO. 0
PID NO. 103416
STATE JOB NO. 0
R/W DESIGNER JBY
R/W REVIEWER BPB

SUMMARY OF ADDITIONAL RIGHT OF WAY

HAM-PLAINFIELD RD ROUNDABOUTS

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NET TAKE = GROSS TAKE - PRO IN TAKE
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GRANTEE:
ALL RIGHT OF WAY ACQUIRED IN THE NAME OF CITY OF BLUE ASH, OHIO UNLESS OTHERWISE SHOWN.

PARCEL NO.	OWNER	SHEET NO.	OWNER'S RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC-TURE	NET RESIDUE LEFT	NET RESIDUE RIGHT	TYPE FUND	REMARKS	AS ACQUIRED INST. NO.
													LOCAL		
													FED.		
30	PETER S. ZULIA AND			612-0080-0518	0.432									NO ADDITIONAL R/W REQUIRED	
	LINDA B. ZULIA														
31	JOHN O. KINSINGER AND			612-0080-0544										NO ADDITIONAL R/W REQUIRED	
	GABRIELLE V. DOWNEY														
32	MARY ANNE MOODY			612-0080-0517	0.440									NO ADDITIONAL R/W REQUIRED	
33	LEONARD H. LOEB AND			612-0080-0545										NO ADDITIONAL R/W REQUIRED	
	DEBRA RANDMAN LOEB														
34-WD	BRG DEERCROSS HOLDING COMPANY, LLC		OR 11300, PG 1786	612-0091-0091	29.032	1.077 (d)	0.025	0.000	0.025		29.007				
35-WD1	KM BLUE ASH DEVELOPMENT COMPANY		OR 11907, PG 1657	612-0080-L044	7.703	0.000	0.160	0.000	0.160					(+) S-STUMPS, 5-STONES, 1-TREE, 1-CONC. PILLAR	
35-WD2	BLUE ASH PLAZA ASSOCIATES		OR 11907, PG 1653			0.000	0.020	0.000	0.020		7.523			(+) 5-PARKING STALLS, 30-LF HEDGE, 230-SF PLANTER	
			OR 4243, PG 2133	612-0080-L043	3.503	0.000	0.005	0.000	0.005		3.498				
			OR 4160, PG 1639	TOTAL:	11.206	0.000	0.185	0.000	0.185		11.062				
			612-0080-B781												
35-T1			612-0080-B043	612-0080-L044			0.182	0.000	0.182					TO CONSTRUCT INTERSECTION	
35-T2							0.081	0.000	0.081					(+) 1-CART CORRAL, 1- LIGHT, 17-PARKING STALLS	
				612-0080L043			0.006	0.000	0.006					TO RECONSTRUCT DRIVE	
				TOTAL:			0.087	0.000	0.087					(+) 3-PARKING STALLS	
36	NOT USED														
37-WD	MCDONALD'S CORPORATION		DB 4197, PG 1713	612-0080-0635	0.732	0.000	0.052	0.000	0.052		0.680			(+) 1-LIGHT POLE	
37-T							0.016	0.000	0.016					FOR GRADING	
38-WD	PEOPLE'S SAVINGS ASSOCIATION		DB 4207, PG 857	612-0080-0636	0.613	0.000	0.075	0.000	0.075		0.538			(+) 13 -PARKING STALLS, 1-PARKING SIGN	
			DB 4198, PG 1583												
38-T							0.043	0.000	0.043					TO RECONSTRUCT DRIVE	
39	HARBER ENTERPRISES, LTD.		OR 9843, PG 1518	612-0080-0049										NO ADDITIONAL R/W REQUIRED	
40	PAYTES RENTALS LLC		OR 12795, PG 1661	612-0080-0046										NO ADDITIONAL R/W REQUIRED	
41-WD	ROSE MARY BEDINGHAUS		OR 661, PG 424	612-0070-0315	2.692	0.000	0.116	0.000	0.116		2.587			(0.100 AC. IN EX. SLOPE EASE.)	
														(0.014 AC. IN EX. SEWER EASE.)	
														(+) 10-PARKING STALLS	
41-T							0.082	0.000	0.082					FOR GRADING	
														(+) 16-PARKING STALLS, 2-TREES	
42	NOT USED													NO ADDITIONAL R/W REQUIRED	
43-WD	LAWRENCE E. THEURING AND		OR 6466, PG 1627	612-0080-0541	0.655	0.000	0.036	0.000	0.036			0.619		(0.036 AC. IN EX. SLOPE EASE.)	
	LINDA C. THEURING													(0.010 AC. IN EX. SEWER EASE.)	
														(+) 113 LF-FENCE, (*) 305-LF HEDGE	
44	DONNA FLETCHER AND		OR 7994, PG 2006	612-0080-0506										NO ADDITIONAL R/W REQUIRED	
														(*) 1- TREE	
													LOCAL		
													FED.		

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TYPES OF TITLE LEGEND:
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+ DENOTES REMOVAL ITEMS SEE CORRESPONDING RIGHT OF WAY PLAN SHEET FOR DESCRIPTION

REV. BY	DATE	DESCRIPTION

FIELD REVIEW BY DATE:
OWNERSHIP VERIFIED BY DATE:
DATE COMPLETED

FEDERAL PROJECT NO. 0
PID NO. 103416
STATE JOB NO. 0
R/W DESIGNER JBY
R/W REVIEWER BPB

SUMMARY OF ADDITIONAL RIGHT OF WAY

HAM-PLAINFIELD RD ROUNDABOUTS

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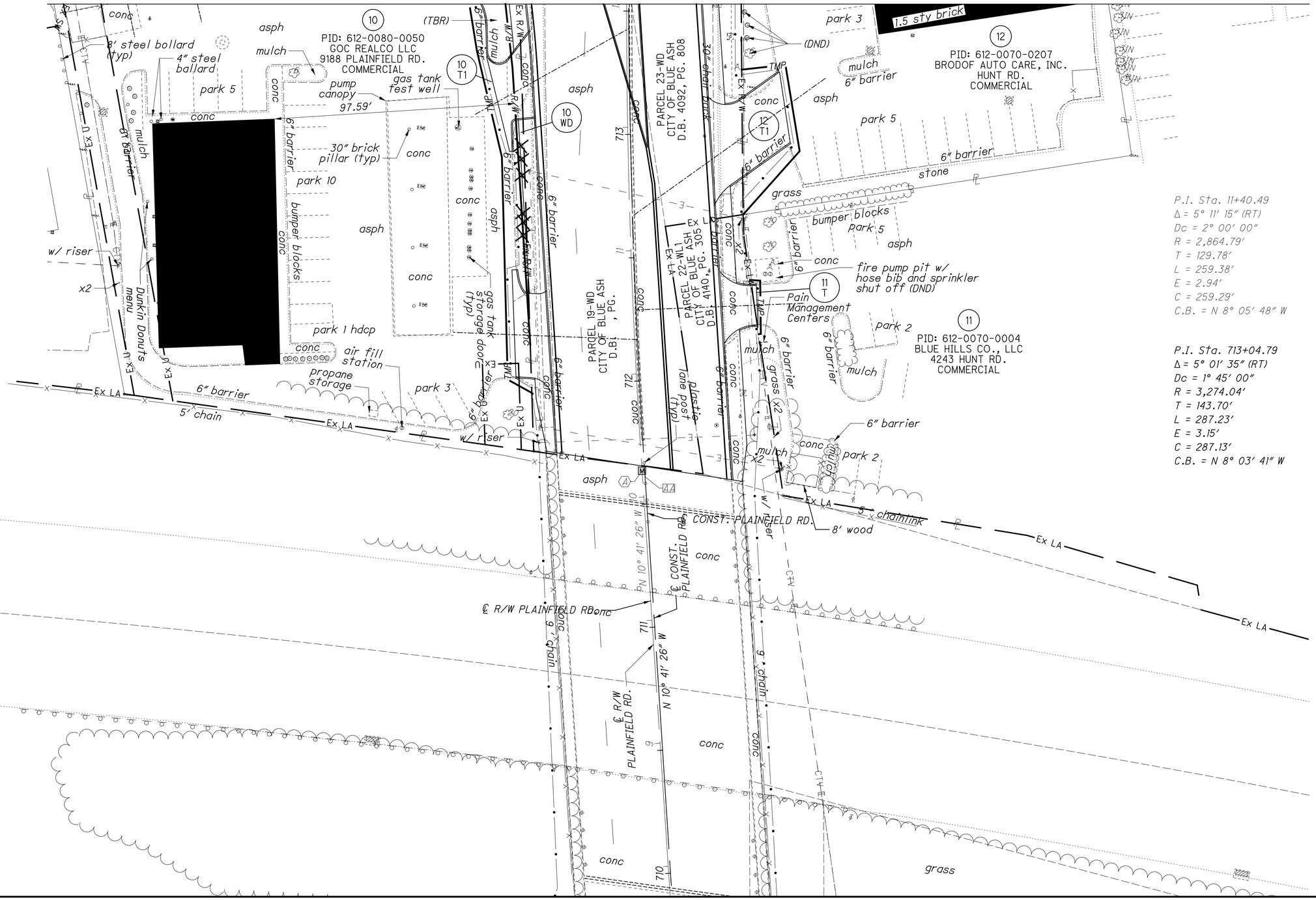
HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

* DENOTES RIGHT OF WAY ENCROACHMENT

(A) PC STA 10+10.71

(AA) PC STA 711+61.09

MATCH LINE - STA. 12+00.00 - SEE SHEET XX



HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY TOPO SHEET
SUB-TITLE

HAM-PLAINFIELD RD
ROUNDABOUTS

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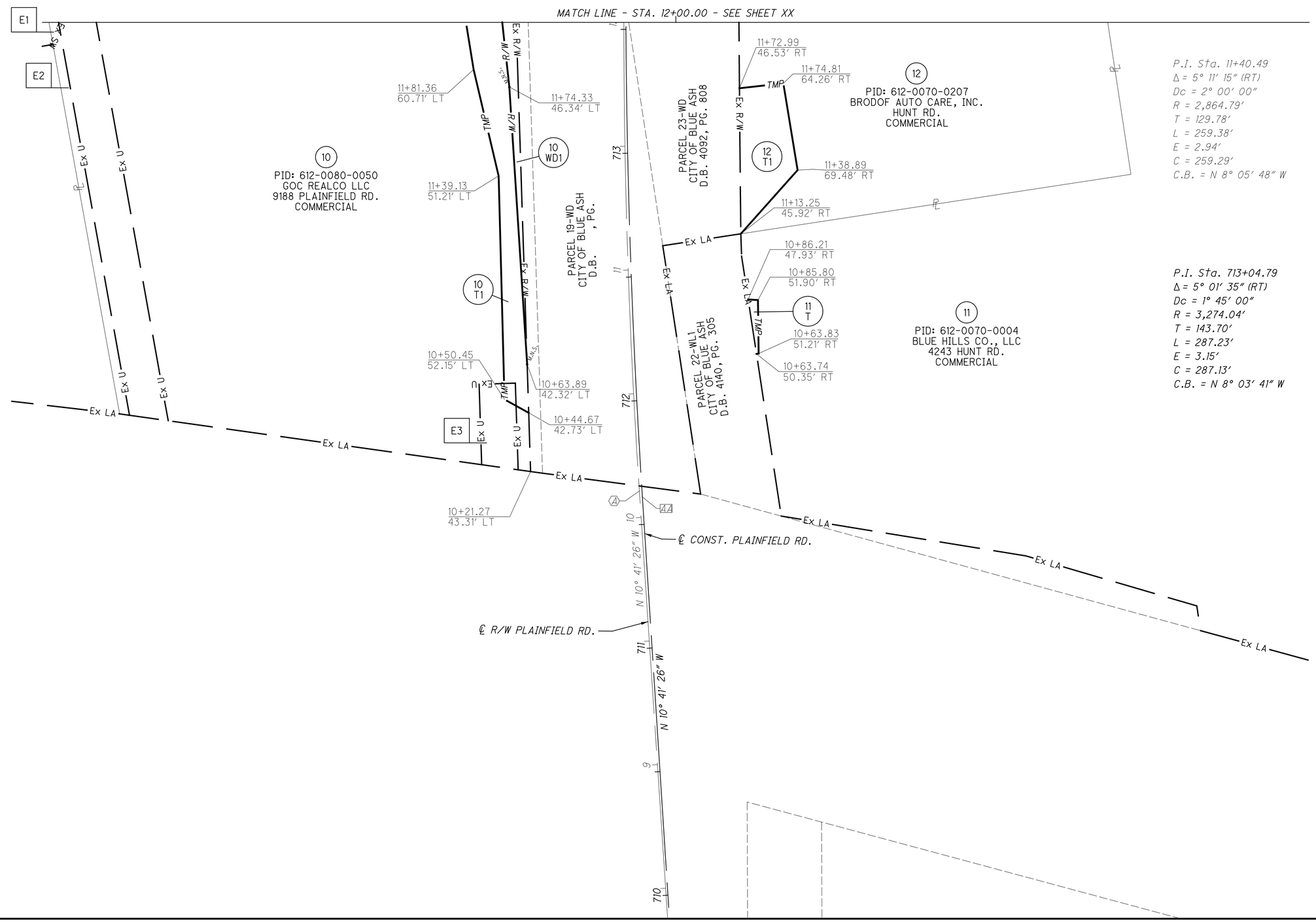
E1 SEWER EASE.
CITY OF BLUE ASH
D.B. 4050, P.G. 943
20-S

E2 15' UTILITY EASE.
CINCINNATI GAS &
ELECTRIC CO.
D.B. 3420, P.G. 700

E3 UTILITY EASE.
CINCINNATI GAS &
ELECTRIC CO.
O.R. 5602, P.G. 1130

HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE



HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY BOUNDARY SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD
ROUNDABOUTS

10/28

258/266

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Ⓑ PT STA 12+70.09

Ⓚ STA 20+00.00 (℄ HUNT) = STA 12+89.37 (℄ R/W PLAINFIELD)

Ⓛ STA 20+00.00 (℄ R/W HUNT) = STA 13+06.41 (℄ R/W PLAINFIELD)

BB PT STA 714+48.31

RR STA 506+26.22 (℄ CONST. HUNT) = STA 715+42.41 (℄ CONST PLAINFIELD)

QQ PT STA 504+31.53

△1 STA 13+02.40 (℄ R/W PLAINFIELD) = STA 813+58.43 (℄ CONST. HUNT)

△2 STA 714+55.26 (℄ CONST. PLAINFIELD) = STA 813+58.64 (℄ CONST. HUNT)

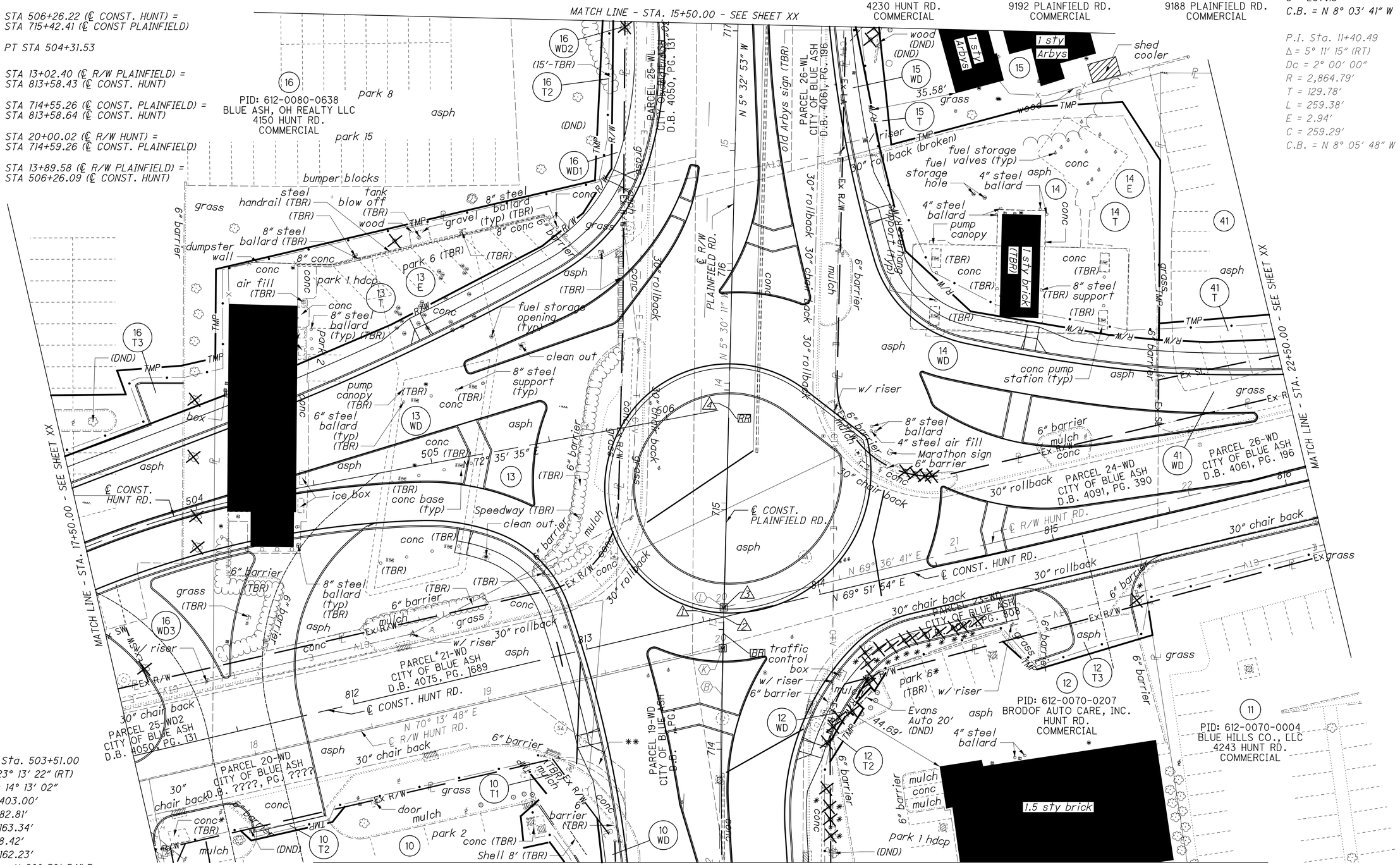
△3 STA 20+00.02 (℄ R/W HUNT) = STA 714+59.26 (℄ CONST. PLAINFIELD)

△4 STA 13+89.58 (℄ R/W PLAINFIELD) = STA 506+26.09 (℄ CONST. HUNT)

* DENOTES RIGHT OF WAY ENCROACHMENT

NOTE: PARCELS 13 & 14 ARE TOTAL TAKES AND ALL FEATURES ARE TBR

HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE



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HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 103416

R/W DESIGNER JBY

R/W REVIEWER BPB

RIGHT OF WAY TOPO SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD ROUNDABOUTS

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HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

(B) PT STA 12+70.09

(K) STA 20+00.00 (℄ HUNT) = STA 12+89.37 (℄ R/W PLAINFIELD)

(L) STA 20+00.00 (℄ R/W HUNT) = STA 13+06.41 (℄ R/W PLAINFIELD)

BB PT STA 714+48.31

RR STA 506+26.22 (℄ CONST. HUNT) = STA 715+42.41 (℄ CONST PLAINFIELD)

QQ PT STA 504+31.53

△1 STA 13+02.40 (℄ R/W PLAINFIELD) = STA 813+58.43 (℄ CONST. HUNT)

△2 STA 714+55.26 (℄ CONST. PLAINFIELD) = STA 813+58.64 (℄ CONST. HUNT)

△3 STA 20+00.02 (℄ R/W HUNT) = STA 714+59.26 (℄ CONST. PLAINFIELD)

△4 STA 13+89.58 (℄ R/W PLAINFIELD) = STA 506+26.09 (℄ CONST. HUNT)

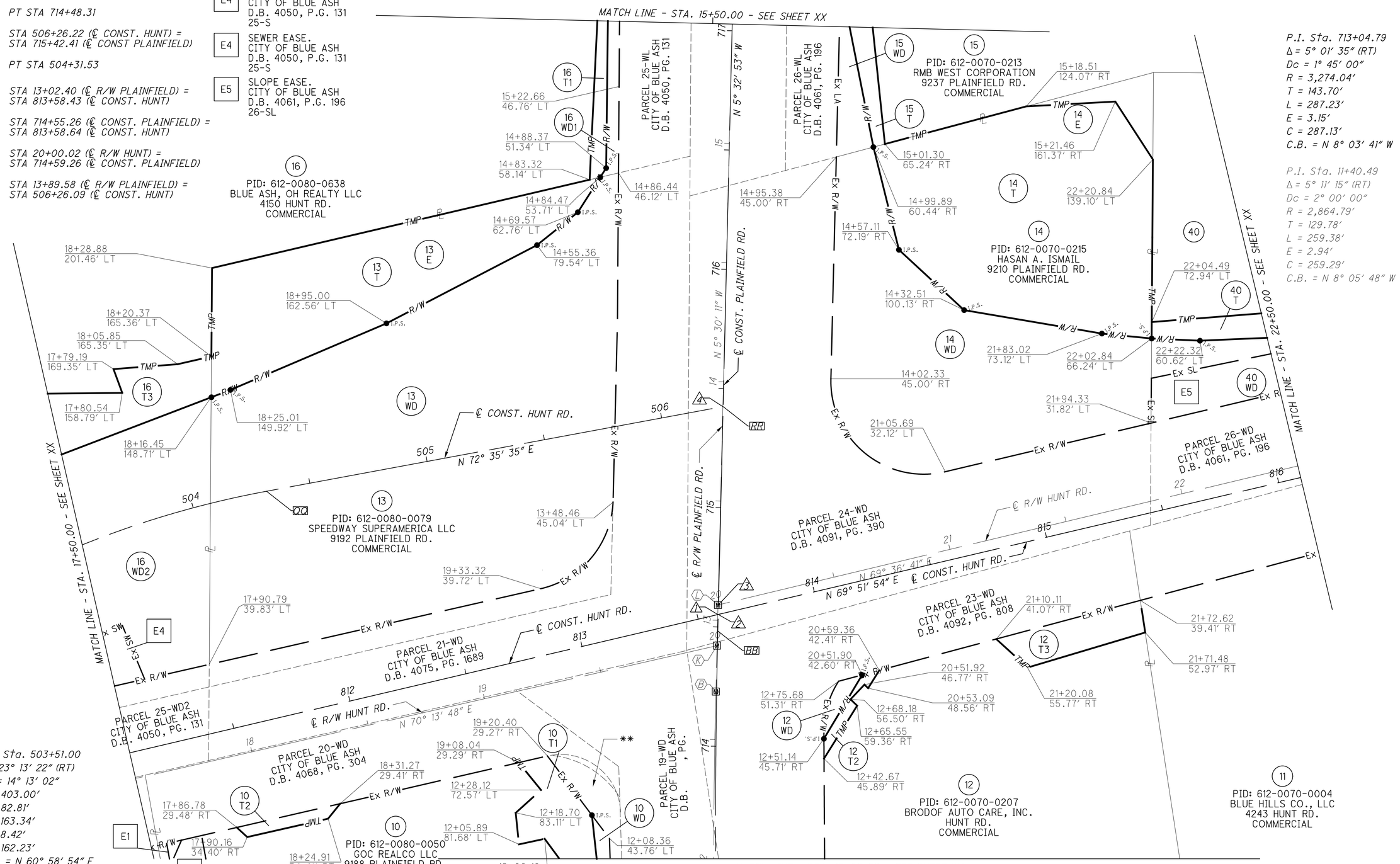
E1 SEWER EASE. CITY OF BLUE ASH D.B. 4050, P.G. 943 20-S

E2 15' UTILITY EASE. CINCINNATI GAS & ELECTRIC CO. D.B. 3420, P.G. 700

E4 SEWER EASE. CITY OF BLUE ASH D.B. 4050, P.G. 131 25-S

E4 SEWER EASE. CITY OF BLUE ASH D.B. 4050, P.G. 131 25-S

E5 SLOPE EASE. CITY OF BLUE ASH D.B. 4061, P.G. 196 26-SL



HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY BOUNDARY SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD ROUNDABOUTS

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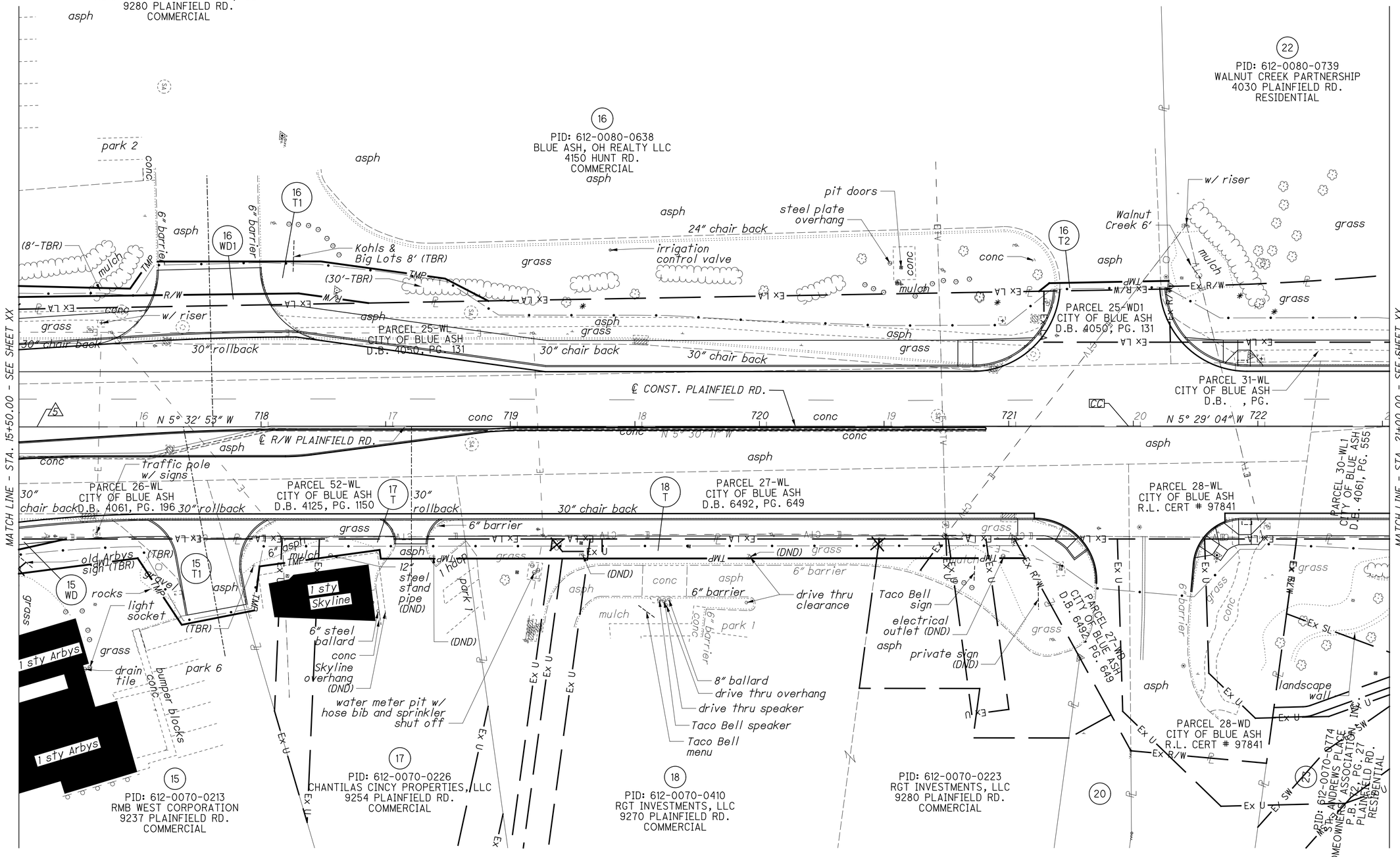
HAMILTON COUNTY
CITYOF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

* DENOTES RIGHT OF WAY ENCROACHMENT

STA 15+57.24 (℄ R/W PLAINFIELD) = STA 717+10.05 (℄ CONST. PLAINFIELD)

CC PI STA 721+48.00



HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY TOPO SHEET
SUB-TITLE

HAM-PLAINFIELD RD
ROUNDABOUTS

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E6 15' UTILITY EASE. CINCINNATI GAS & ELECTRIC CO. D.B. 4023, P.G. 1129

E7 15' UTILITY EASE. CINCINNATI GAS & ELECTRIC CO. D.B. 4023, P.G. 1133

E8 5' WATERLINE EASE. NO REF. FOUND SHOWN ON SURVEY

E9 15' BURIED CALBE EASE. CINCINNATI BELL TELEPHONE D.B. 3855, P.G. 783

E10 INGRESS/EGRESS & SIGNAGE EASE. NO REF. FOUND SHOWN ON SURVEY

E11 ℄ UTILITY EASE. NO WIDTH CINCINNATI GAS & ELECTRIC CO. D.B. 4061, P.G. 289

E12 ℄ UTILITY EASE. NO WIDTH CINCINNATI GAS & ELECTRIC CO. D.B. 4183, P.G. 551

E13 15' UTILITY EASE. CINCINNATI GAS & ELECTRIC CO. D.B. 4023, P.G. 1133

E14 35' WATERMAIN EASE. CITY OF BLUE ASH P.B. 327, P.G. 69

E15 SLOPE EASE. CITY OF BLUE ASH D.B. 4061, P.G. 555 30-SL2

E16 SEWER EASE. CITY OF BLUE ASH D.B. 4061, P.G. 555 30-S2

E17 4' PUBLIC INGRESS/EGRESS EASE. ST. ANDREWS PLACE HOMEOWNERS ASSOCIATION P.B. 72, P.G. 27

E26 ℄ UTILITY EASE. NO WIDTH CINCINNATI GAS & ELECTRIC CO. D.B. 1881, P.G. 127

HAMILTON COUNTY
CITYOF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

(23) ** PID: 612-0070-0774 ST. ANDREWS PLACE HOMEOWNERS' ASSOCIATION, INC. P.B. 72, PG. 27 PLAINFIELD RD. RESIDENTIAL

*** 4' PUBLIC INGRESS/EGRESS EASE. ST ANDREWS PLACE HOMEOWNERS ASSOCIATION P.B. 72, P.G. 27

(20) PID: 612-0070-0403 MAJID A. QURESHI AND FARHAT N. QURESHI, CO-TRUSTEES UNDER AN AMENDED AND RESTATED TRUST AGREEMENT DATED 12/13/93, AS AMENDED BY THE FIRST AMENDMENT TO AMENDED AND RESTATED TRUST AGREEMENT DATED JULY 15, 1994 9280 PLAINFIELD RD. COMMERCIAL

(16) PID: 612-0080-0638 BLUE ASH, OH REALTY LLC 4150 HUNT RD. COMMERCIAL

(22) PID: 612-0080-0739 WALNUT CREEK PARTNERSHIP 4030 PLAINFIELD RD. RESIDENTIAL

STA 15+57.24 (℄ R/W PLAINFIELD) = STA 717+10.05 (℄ CONST. PLAINFIELD)

CC PI STA 721+48.00

16+02.29 66.34' LT
15+94.64 55.48' LT
16 WD1
16+71.10 66.40' LT
16 T1
17+21.02 59.53' LT
17+38.35 50.55' LT
16+62.26 53.58' LT
16+90.14 49.71' LT
PARCEL 25-WL CITY OF BLUE ASH D.B. 4050, PG. 131
19+63.50 57.70' LT
19+59.40 54.44' LT
16 T2
20+10.81 58.59' LT
PARCEL 25-WD1 CITY OF BLUE ASH D.B. 4050, PG. 131
20+11.49 55.35' LT
PARCEL 31-WL CITY OF BLUE ASH REF. NOT FOUND

MATCH LINE - STA. 15+50.00 - SEE SHEET XX

MATCH LINE - STA. 21+00.00 - SEE SHEET XX

℄ CONST. PLAINFIELD RD.

N 5° 32' 53" W

N 5° 30' 11" W

N 5° 29' 04" W

℄ R/W PLAINFIELD RD.

PARCEL 26-WL CITY OF BLUE ASH D.B. 4061, PG. 196

PARCEL 52-WL CITY OF BLUE ASH D.B. 4125, PG. 1150

PARCEL 27-WL CITY OF BLUE ASH D.B. 6492, PG. 649

PARCEL 28-WL CITY OF BLUE ASH R.L. CERT # 97841

PARCEL 30-WL1 CITY OF BLUE ASH D.B. 4061, PG. 555

PARCEL 27-WD CITY OF BLUE ASH D.B. 6492, PG. 649

PARCEL 28-WD CITY OF BLUE ASH R.L. CERT # 97841

16+32.39 45.00' RT
15+68.89 45.00' RT
15 WD
15+97.68 52.73' RT
15 T
16+40.98 74.36' RT
16+15.34 79.46' RT
16+48.64 55.71' RT
16+44.36 73.69' RT
17 T
17+30.08 52.86' RT
16+95.21 52.89' RT
16+94.74 49.38' RT
17+28.99 45.00' RT
18+95.28 45.00' RT
18 T
18+94.24 52.73' RT
19 T
19+49.57 45.00' RT
19+53.79 52.69' RT

(15) PID: 612-0070-0213 RMB WEST CORPORATION 9237 PLAINFIELD RD. COMMERCIAL

(17) PID: 612-0070-0226 CHANTILAS CINCY PROPERTIES, LLC 9254 PLAINFIELD RD. COMMERCIAL

(18) PID: 612-0070-0410 RGT INVESTMENTS, LLC 9270 PLAINFIELD RD. COMMERCIAL

(18) PID: 612-0070-0223 RGT INVESTMENTS, LLC 9280 PLAINFIELD RD. COMMERCIAL

(20)

**

HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY BOUNDARY SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD ROUNDABOUTS

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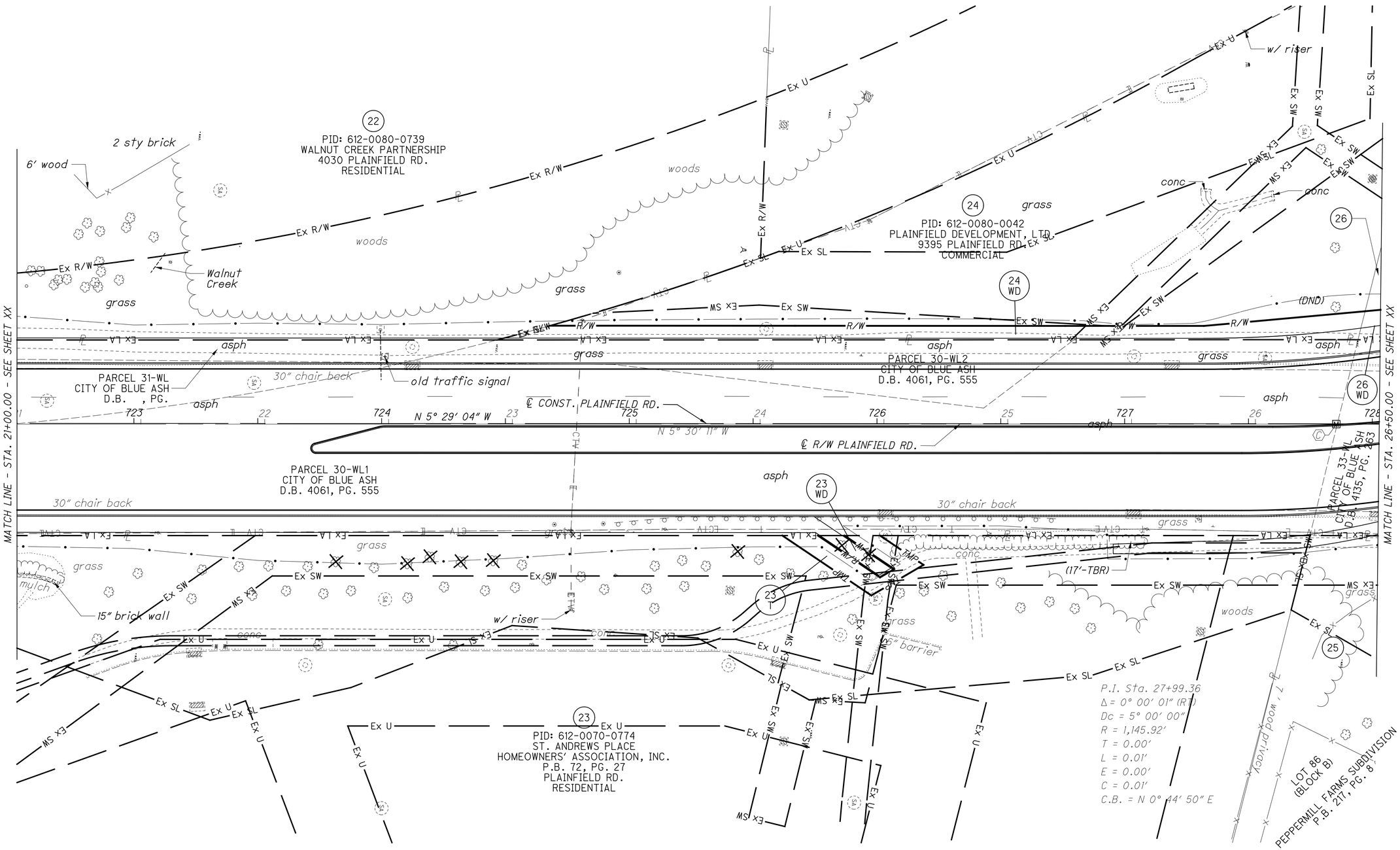
HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

* DENOTES RIGHT OF WAY ENCROACHMENT



HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY TOPO SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD
ROUNDABOUTS

15 / 28

263 / 266

jschmeltzer 7:07:15 AM
1/14/2020
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E14 35′ WATERMAIN EASE.
CITY OF BLUE ASH
P.B. 327, P.G. 69

E15 SLOPE EASE.
CITY OF BLUE ASH
D.B. 4061, P.G. 555
30-SL2

E16 SEWER EASE.
CITY OF BLUE ASH
D.B. 4061, P.G. 555
30-S2

E17 4′ PUBLIC
INGRESS/EGRESS EASE.
ST. ANDREWS PLACE
HOMEOWNERS ASSOCIATION
P.B. 72, P.G. 27

E18 15′ PUBLIC SEWER EASE.
ST. ANDREWS PLACE
HOMEOWNERS ASSOCIATION
P.B. 72, P.G. 27

E19 10′ SEWER EASE.
CITY OF BLUE ASH
P.B. 28, P.G. 40-41
RES. NO. 150-584
03/15/1967

E20 30′ TREE BUFFER EASE.
ST. ANDREWS PLACE
HOMEOWNERS ASSOCIATION
P.B. 72, P.G. 27

E21 SLOPE EASE.
CITY OF BLUE ASH
D.B. 4061, P.G. 555
30-SL1 & 30-SL3

E22 SEWER EASE.
CITY OF BLUE ASH
D.B. 4061, P.G. 555
30-S1, 30-S3, 30-S4

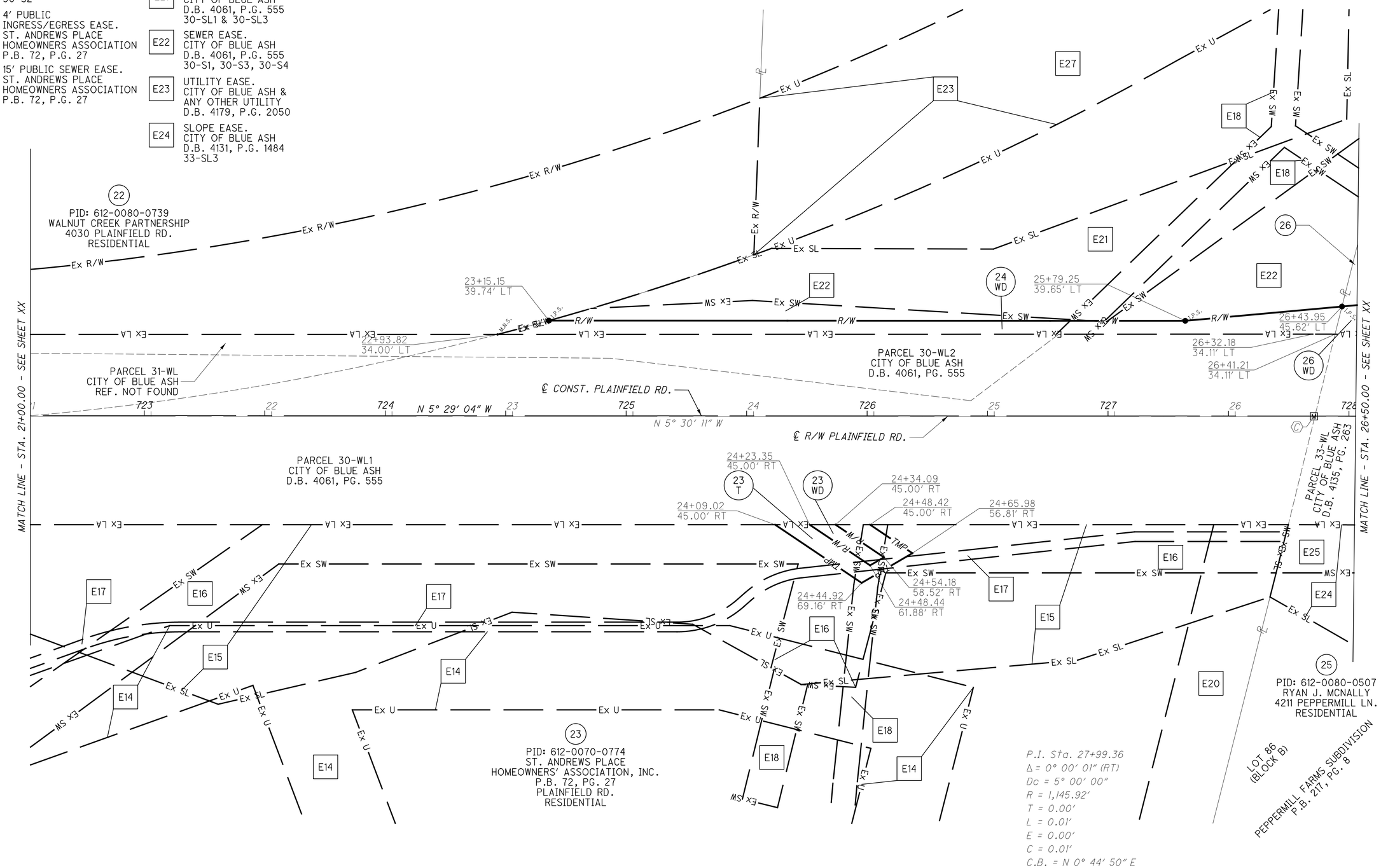
E23 UTILITY EASE.
CITY OF BLUE ASH &
ANY OTHER UTILITY
D.B. 4179, P.G. 2050

E24 SLOPE EASE.
CITY OF BLUE ASH
D.B. 4131, P.G. 1484
33-SL3

E25 SEWER EASE.
CITY OF BLUE ASH
D.B. 4121, P.G. 1256
33-S3

E27 BIKE PATH EASE.
CITY OF BLUE ASH
D.B. 4179, P.G. 2050
LOCATION NOT
SPECIFIED

HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE



HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY BOUNDARY SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD ROUNDABOUTS

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HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

P.I. Sta. 15+65.97
Δ = 55° 39′ 34″ (LT)
Dc = 16° 00′ 00″
R = 358.10′
T = 189.04′
L = 347.87′
E = 46.84′
C = 334.35′
C.B. = S 41° 13′ 07″ E

P.I. Sta. 901+04.77
Δ = 26° 14′ 49″ (LT)
Dc = 12° 45′ 00″
R = 449.38′
T = 104.77′
L = 205.86′
E = 12.05′
C = 204.06′
C.B. = S 56° 28′ 25″ E

(D) PCC STA 27+99.36 BK =
STA 27+99.33 AH =
STA 20+00.00 (℄ R/W OLD PLAINFIELD)

(E) PT STA 17+24.80

(F) STA 40+00.00 (℄ R/W PEPPERMILL) =
STA 28+01.39 (℄ R/W PLAINFIELD)

(G) PI STA 41+99.13

DD PC STA 728+26.03

EE PT STA 902+05.86

FF STA 904+57.53 (℄ CONST OLD PLAINFIELD) =
STA 729+56.71 (℄ CONST PLAINFIELD)

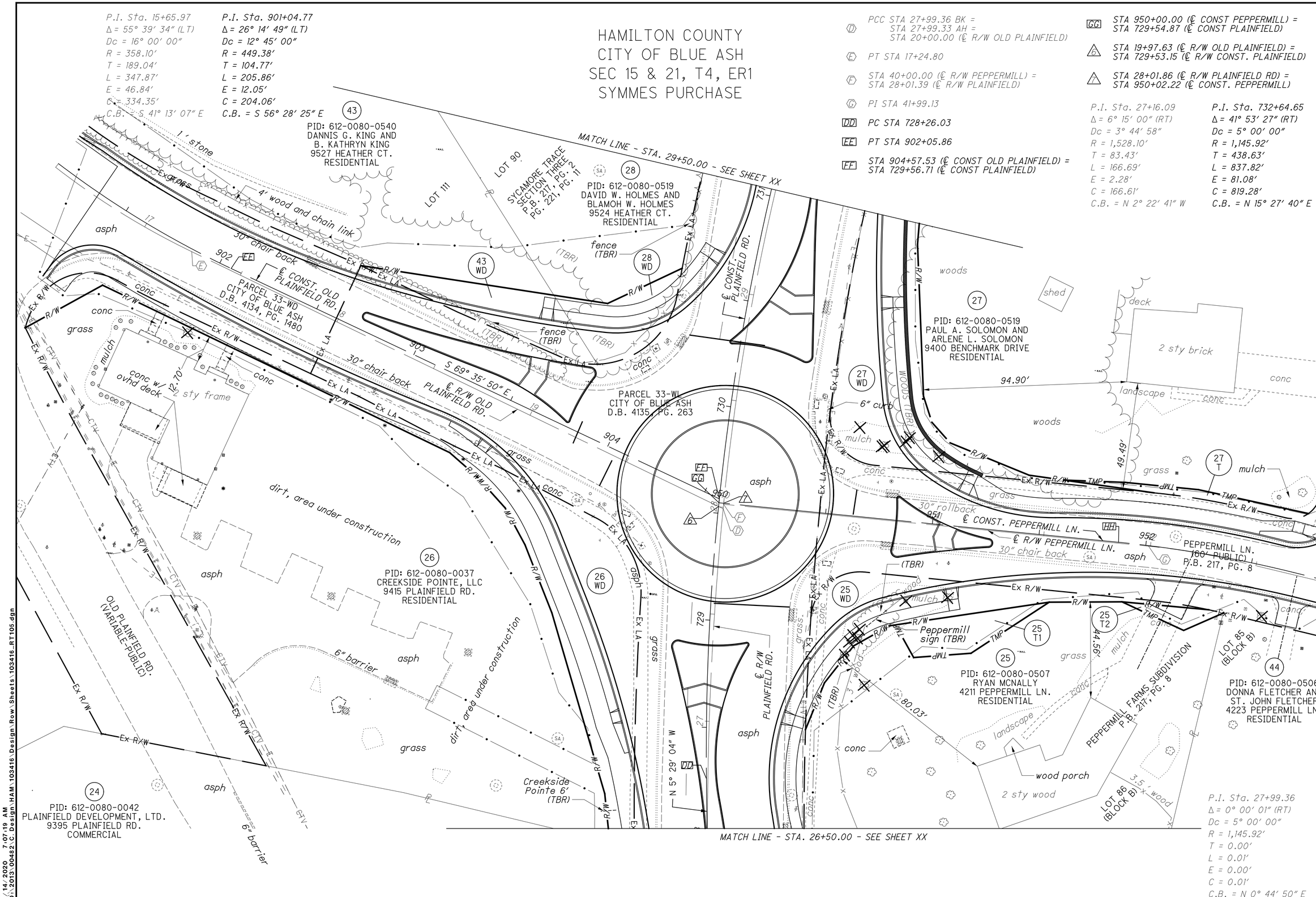
GG STA 950+00.00 (℄ CONST PEPPERMILL) =
STA 729+54.87 (℄ CONST PLAINFIELD)

(6) STA 19+97.63 (℄ R/W OLD PLAINFIELD) =
STA 729+53.15 (℄ R/W CONST. PLAINFIELD)

(7) STA 28+01.86 (℄ R/W PLAINFIELD RD) =
STA 950+02.22 (℄ CONST. PEPPERMILL)

P.I. Sta. 27+16.09
Δ = 6° 15′ 00″ (RT)
Dc = 3° 44′ 58″
R = 1,528.10′
T = 83.43′
L = 166.69′
E = 2.28′
C = 166.61′
C.B. = N 2° 22′ 41″ W

P.I. Sta. 732+64.65
Δ = 41° 53′ 27″ (RT)
Dc = 5° 00′ 00″
R = 1,145.92′
T = 438.63′
L = 837.82′
E = 81.08′
C = 819.28′
C.B. = N 15° 27′ 40″ E



P.I. Sta. 27+99.36
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L = 0.01′
E = 0.00′
C = 0.01′
C.B. = N 0° 44′ 50″ E

HORIZONTAL SCALE IN FEET

PID NO. 0

R/W DESIGNER XXX
R/W REVIEWER XXX

RIGHT OF WAY TOPO SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD
ROUNDABOUTS

jschmeltzer 7:07:19 AM
1/14/2020
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HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

P.I. Sta. 15+65.97
Δ = 55° 39′ 34″ (LT)
Dc = 16° 00′ 00″
R = 358.10′
T = 189.04′
L = 347.87′
E = 46.84′
C = 334.35′
C.B. = S 41° 13′ 07″ E

P.I. Sta. 901+04.77
Δ = 26° 14′ 49″ (LT)
Dc = 12° 45′ 00″
R = 449.38′
T = 104.77′
L = 205.86′
E = 12.05′
C = 204.06′
C.B. = S 56° 28′ 25″ E

P.I. Sta. 27+16.09
Δ = 6° 15′ 00″ (RT)
Dc = 3° 44′ 58″
R = 1,528.10′
T = 83.43′
L = 166.69′
E = 2.28′
C = 166.61′
C.B. = N 2° 22′ 41″ W

P.I. Sta. 732+64.65
Δ = 41° 53′ 27″ (RT)
Dc = 5° 00′ 00″
R = 1,145.92′
T = 438.63′
L = 837.82′
E = 81.08′
C = 819.28′
C.B. = N 15° 27′ 40″ E

P.I. Sta. 27+99.36
Δ = 0° 00′ 01″ (RT)
Dc = 5° 00′ 00″
R = 1,145.92′
T = 0.00′
L = 0.01′
E = 0.00′
C = 0.01′
C.B. = N 0° 44′ 50″ E

E19 10′ SEWER EASE. CITY OF BLUE ASH P.B. 28, P.G. 40-41 RES. NO. 150-584 03/15/1967

E21 SLOPE EASE. CITY OF BLUE ASH D.B. 4061, P.G. 555 30-SL1, 30-SL3, 30-SL4

E22 SEWER EASE. CITY OF BLUE ASH D.B. 4061, P.G. 555 30-S1, 30-S3, 30-S4

E23 UTILITY EASE. CITY OF BLUE ASH & ANY OTHER UTILITY D.B. 4179, P.G. 2050

E24 SLOPE EASE. CITY OF BLUE ASH D.B. 4131, P.G. 1484 33-SL3

E25 SEWER EASE. CITY OF BLUE ASH D.B. 4121, P.G. 1256 33-S3

E27 BIKE PATH EASE. CITY OF BLUE ASH D.B. 4179, P.G. 2050 LOCATION NOT SPECIFIED

E28 SEWER EASE. CITY OF BLUE ASH D.B. 4121, P.G. 1256 33-S13

E29 STORM SEWER EASE. CITY OF BLUE ASH P.B. 217, P.G. 9

E30 SANITARY SEWER EASE. COUNTY OF HAMILTON P.B. 217, P.G. 9

E31 STORM SEWER EASE. CITY OF BLUE ASH P.B. 217, P.G. 9

E32 10′ UTILITY EASE. C.G. & E. CO. AND C.B. INC. P.B. 217, P.G. 9

E33 SLOPE EASE. CITY OF BLUE ASH D.B. 4131, P.G. 1484 33-SL4 & 33-SL14

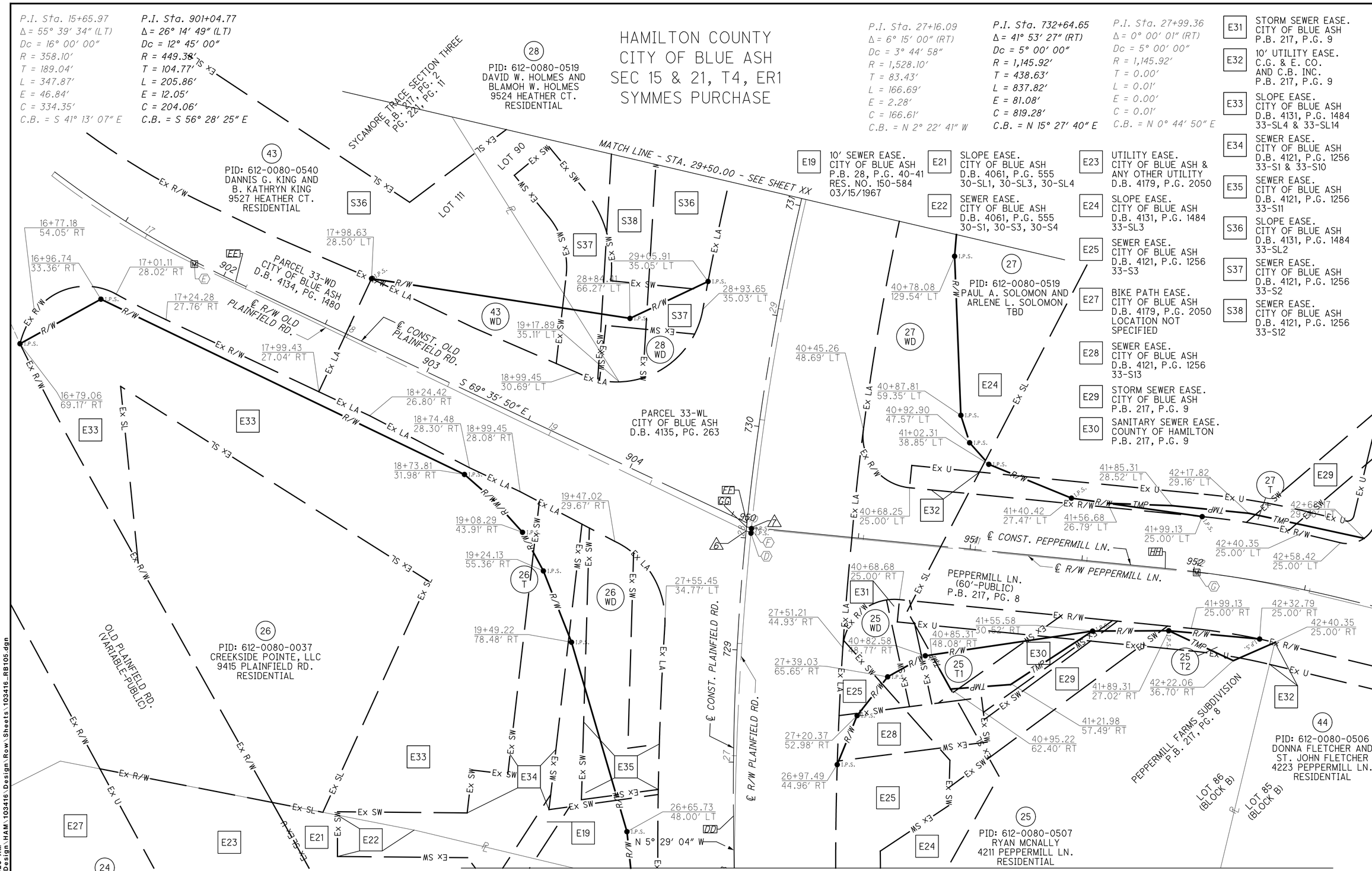
E34 SEWER EASE. CITY OF BLUE ASH D.B. 4121, P.G. 1256 33-S1 & 33-S10

E35 SEWER EASE. CITY OF BLUE ASH D.B. 4121, P.G. 1256 33-S11

S36 SLOPE EASE. CITY OF BLUE ASH D.B. 4131, P.G. 1484 33-SL2

S37 SEWER EASE. CITY OF BLUE ASH D.B. 4121, P.G. 1256 33-S2

S38 SEWER EASE. CITY OF BLUE ASH D.B. 4121, P.G. 1256 33-S12



Ⓓ PCC STA 27+99.36 BK = STA 27+99.33 AH = STA 20+00.00 (℄ R/W OLD PLAINFIELD)

Ⓔ PT STA 17+24.80

Ⓕ STA 40+00.00 (℄ R/W PEPPERMILL) = STA 28+01.39 (℄ R/W PLAINFIELD)

Ⓖ PI STA 41+99.13

DD PC STA 728+26.03

EE PT STA 902+05.86

GG STA 950+00.00 (℄ CONST PEPPERMILL) = STA 729+54.87 (℄ CONST PLAINFIELD)

FF STA 904+57.53 (℄ CONST OLD PLAINFIELD) = STA 729+56.71 (℄ CONST PLAINFIELD)

6 STA 19+97.63 (℄ R/W OLD PLAINFIELD) = STA 729+53.15 (℄ R/W CONST. PLAINFIELD)

7 STA 28+01.86 (℄ R/W PLAINFIELD RD) = STA 950+02.22 (℄ CONST. PEPPERMILL)

HORIZONTAL SCALE IN FEET

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY BOUNDARY SHEET
HAM-PLAINFIELD RD ROUNDABOUTs
SHEET SUB-TITLE

18 / 28

266 / 266

jschmeltzer 7:07:20 AM
1/14/2020
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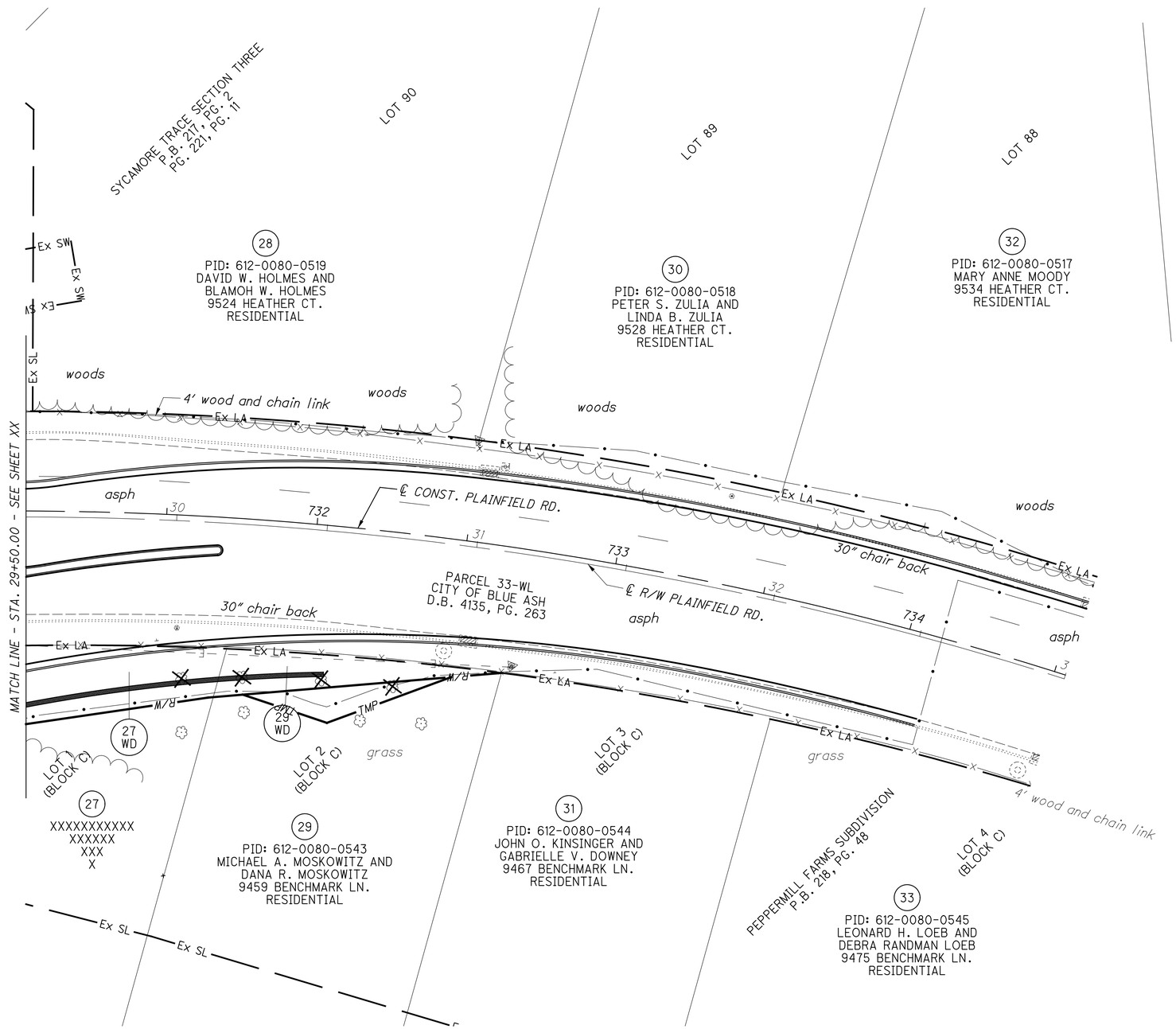
HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE



P.I. Sta. 732+64.65
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R = 1,145.92′
T = 438.63′
L = 837.82′
E = 81.08′
C = 819.28′
C.B. = N 15° 27′ 40″ E

P.I. Sta. 31+67.64
Δ = 35° 38′ 09″ (RT)
Dc = 5° 00′ 00″
R = 1,145.92′
T = 368.31′
L = 712.72′
E = 57.73′
C = 701.29′
C.B. = N 18° 33′ 55″ E

HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY TOPO SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD
ROUNDABOUTs

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1/14/2020
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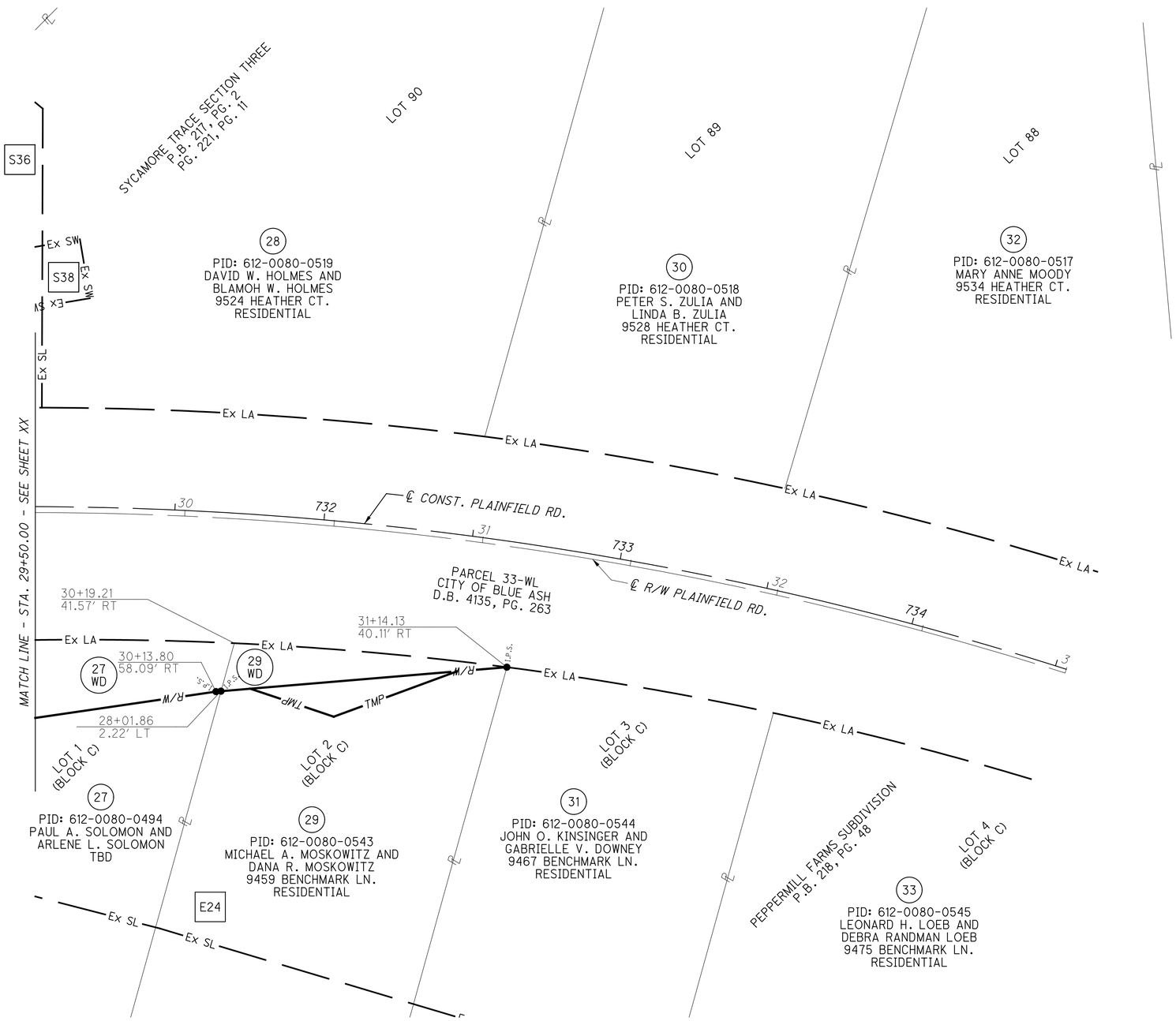
E24 SLOPE EASE.
CITY OF BLUE ASH
D.B. 4131, P.G. 1484
33-SL3

S36 SLOPE EASE.
CITY OF BLUE ASH
D.B. 4131, P.G. 1484
33-SL2

S38 SEWER EASE.
CITY OF BLUE ASH
D.B. 4121, P.G. 1256
33-S12

HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE



P.I. Sta. 732+64.65
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T = 438.63′
L = 837.82′
E = 81.08′
C = 819.28′
C.B. = N 15° 27′ 40″ E

P.I. Sta. 31+67.64
Δ = 35° 38′ 09″ (RT)
Dc = 5° 00′ 00″
R = 1,145.92′
T = 368.31′
L = 712.72′
E = 57.73′
C = 701.29′
C.B. = N 18° 33′ 55″ E

HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY BOUNDARY SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD
ROUNDABOUTS

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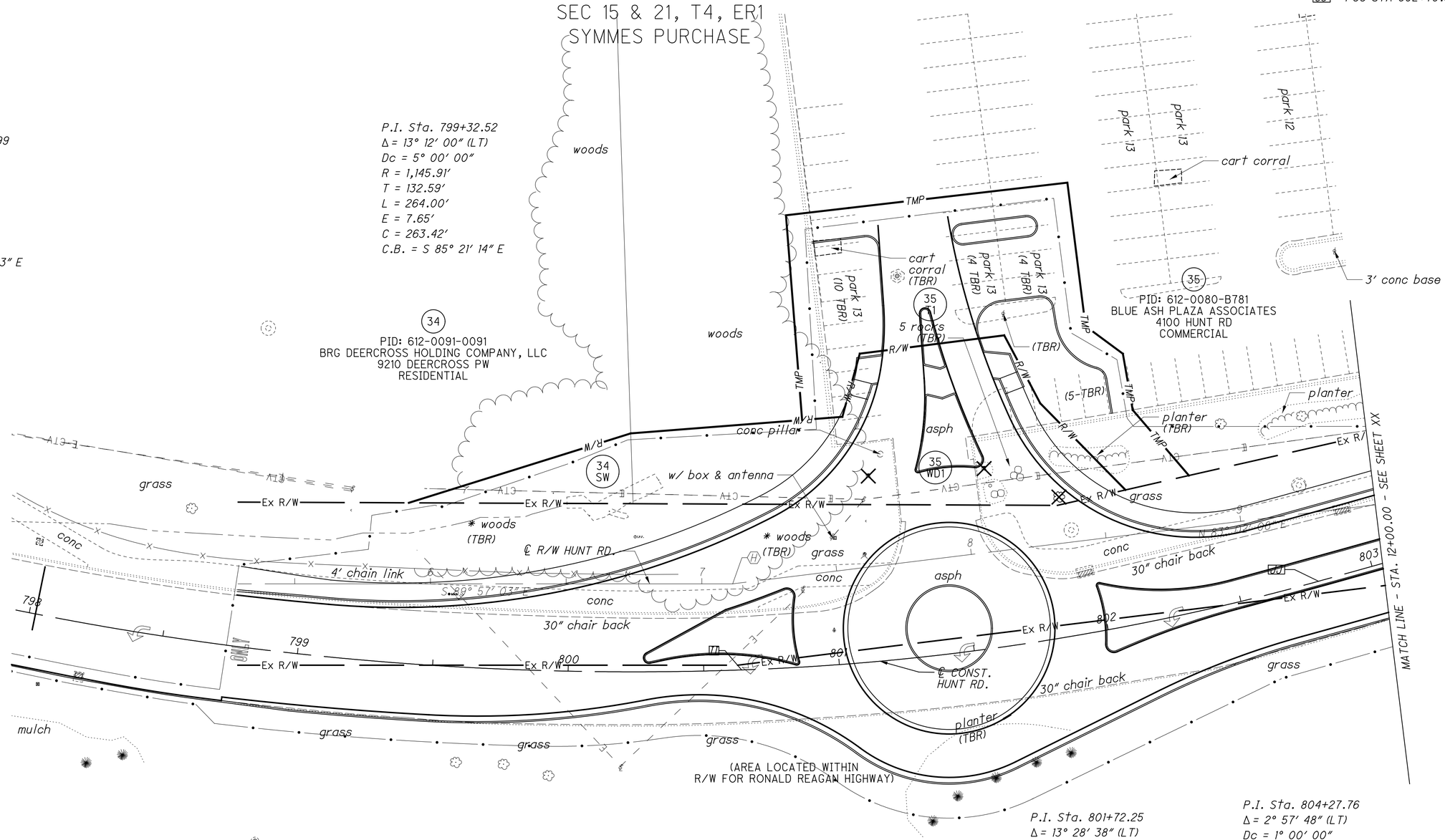
HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE



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E = 6.38′
C = 215.14′
C.B. = N 81° 18′ 27″ E

P.I. Sta. 804+27.76
Δ = 2° 57′ 48″ (LT)
Dc = 1° 00′ 00″
R = 5,729.54′
T = 148.19′
L = 296.32′
E = 1.92′
C = 296.29′
C.B. = N 73° 05′ 14″ E

HORIZONTAL SCALE IN FEET

PID NO. 0

R/W DESIGNER XXX
R/W REVIEWER XXX

RIGHT OF WAY TOPO SHEET
SUB-TITLE

HAM-PLAINFIELD RD
ROUNDABOUTs

jschmeltzer
1/14/2020 7:07:26 AM
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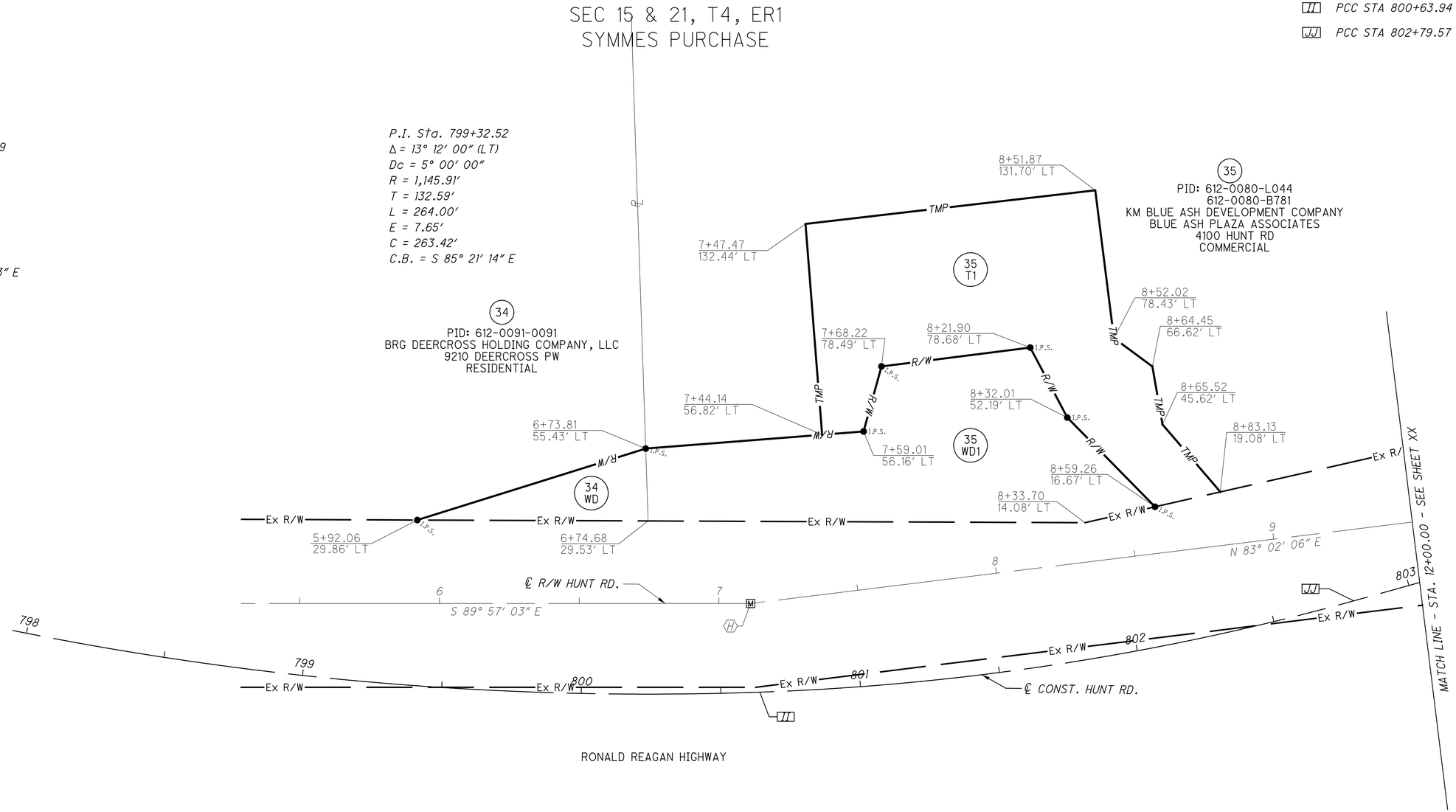
HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE



P.I. Sta. 801+72.25
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Dc = 6° 15′ 00″
R = 916.73′
T = 108.32′
L = 215.63′
E = 6.38′
C = 215.14′
C.B. = N 81° 18′ 27″ E

P.I. Sta. 804+27.76
Δ = 2° 57′ 48″ (LT)
Dc = 1° 00′ 00″
R = 5,729.54′
T = 148.19′
L = 296.32′
E = 1.92′
C = 296.29′
C.B. = N 73° 05′ 14″ E

HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY BOUNDARY SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD
ROUNDABOUTS

jschmeltzer
1/14/2020 7:07:27 AM
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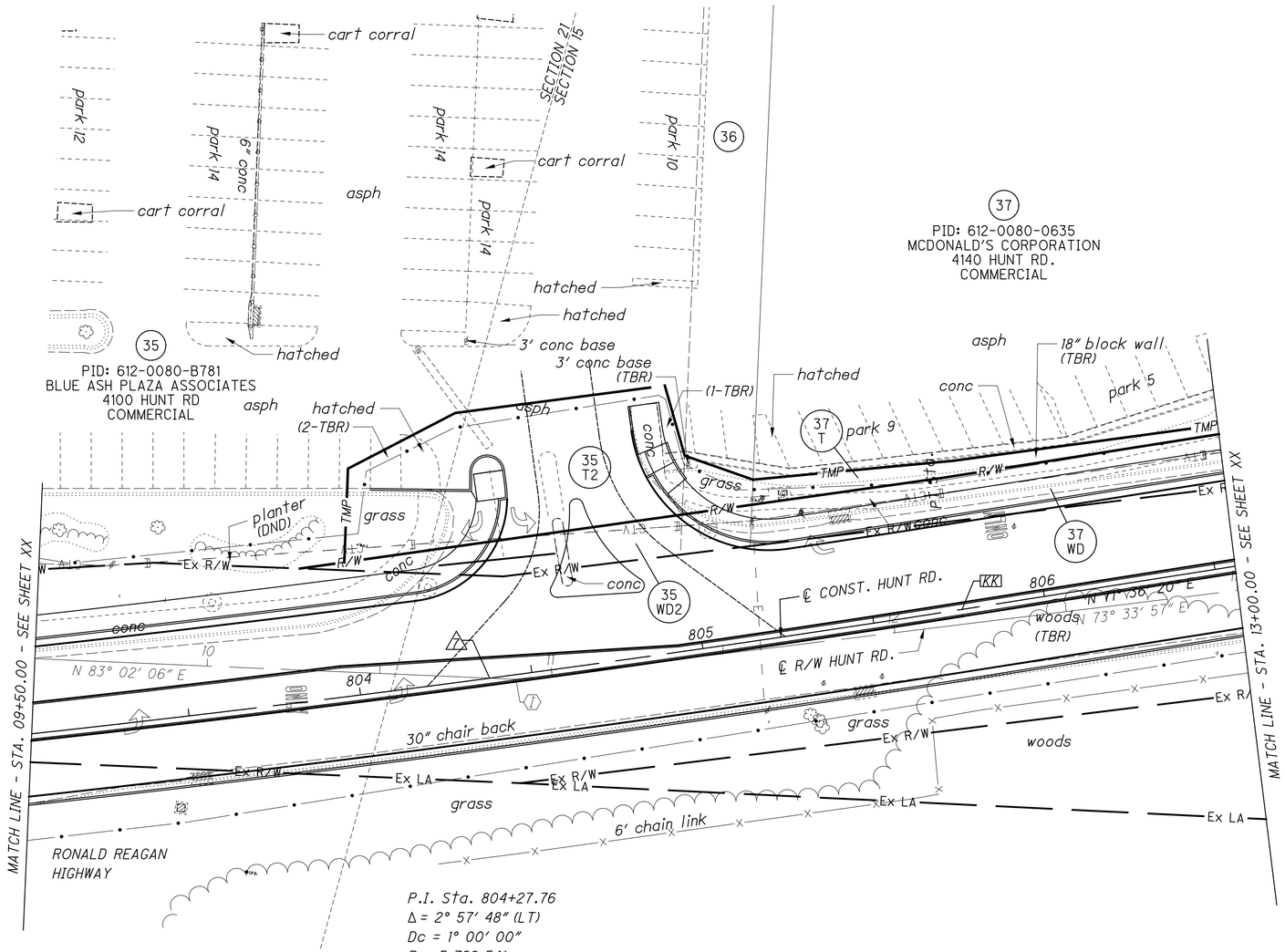
HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

PI STA 10+89.47
PT STA 805+75.89
STA 10+81.85 (℄ R/W HUNT) = STA 804+37.67 (℄ CONST. HUNT)



P.I. Sta. 804+27.76
Δ = 2° 57' 48" (LT)
Dc = 1° 00' 00"
R = 5,729.54'
T = 148.19'
L = 296.32'
E = 1.92'
C = 296.29'
C.B. = N 73° 05' 14" E

HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY TOPO SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD ROUNDABOUTS

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1/14/2020 7:07:29 AM
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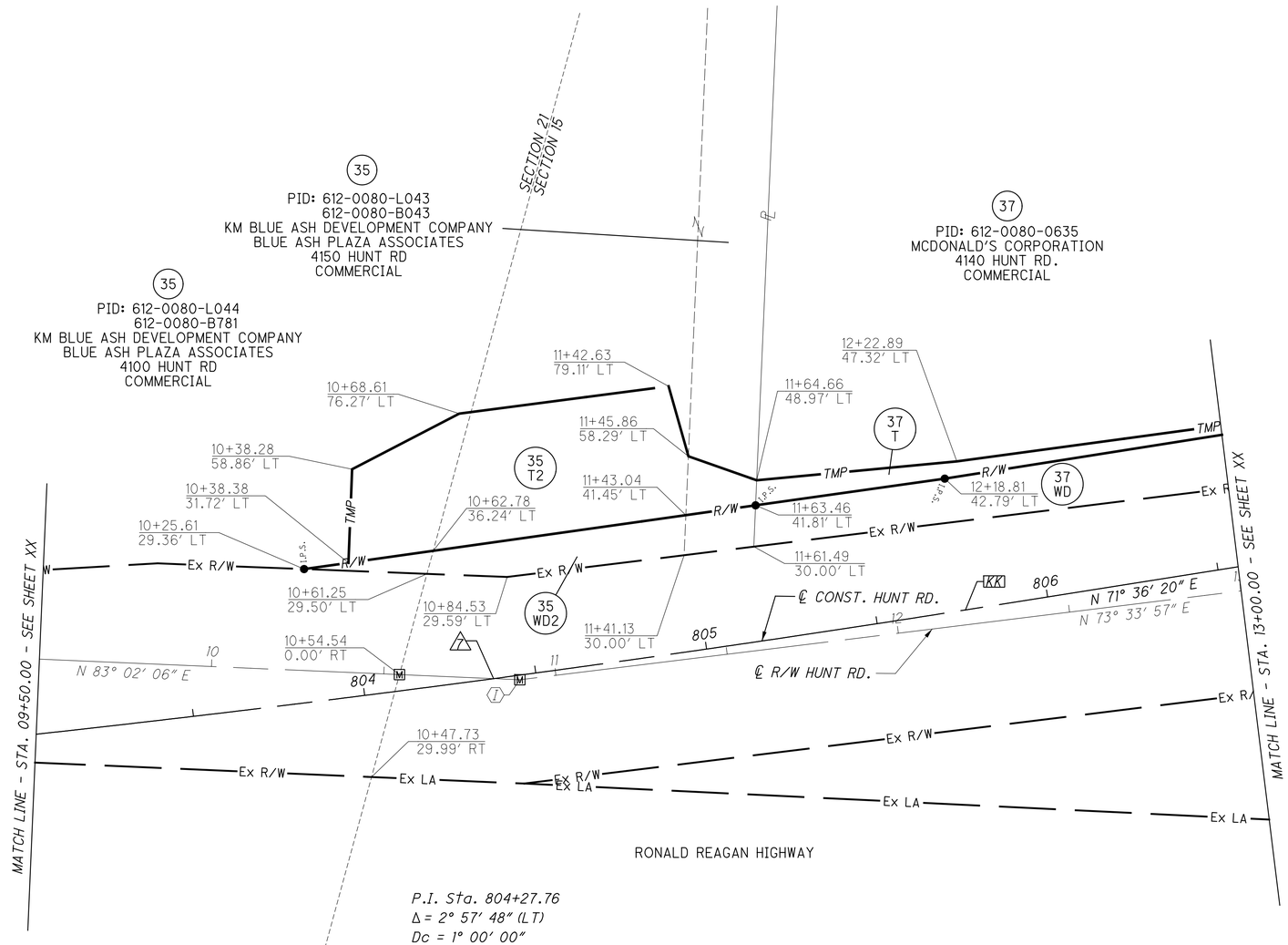
HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

PI STA 10+89.47

KK PT STA 805+75.89

STA 10+81.85 (℄ R/W HUNT) = STA 804+37.67 (℄ CONST. HUNT)



P.I. Sta. 804+27.76
Δ = 2° 57' 48" (LT)
Dc = 1° 00' 00"
R = 5,729.54'
T = 148.19'
L = 296.32'
E = 1.92'
C = 296.29'
C.B. = N 73° 05' 14" E

HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY BOUNDARY SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:07:30 AM
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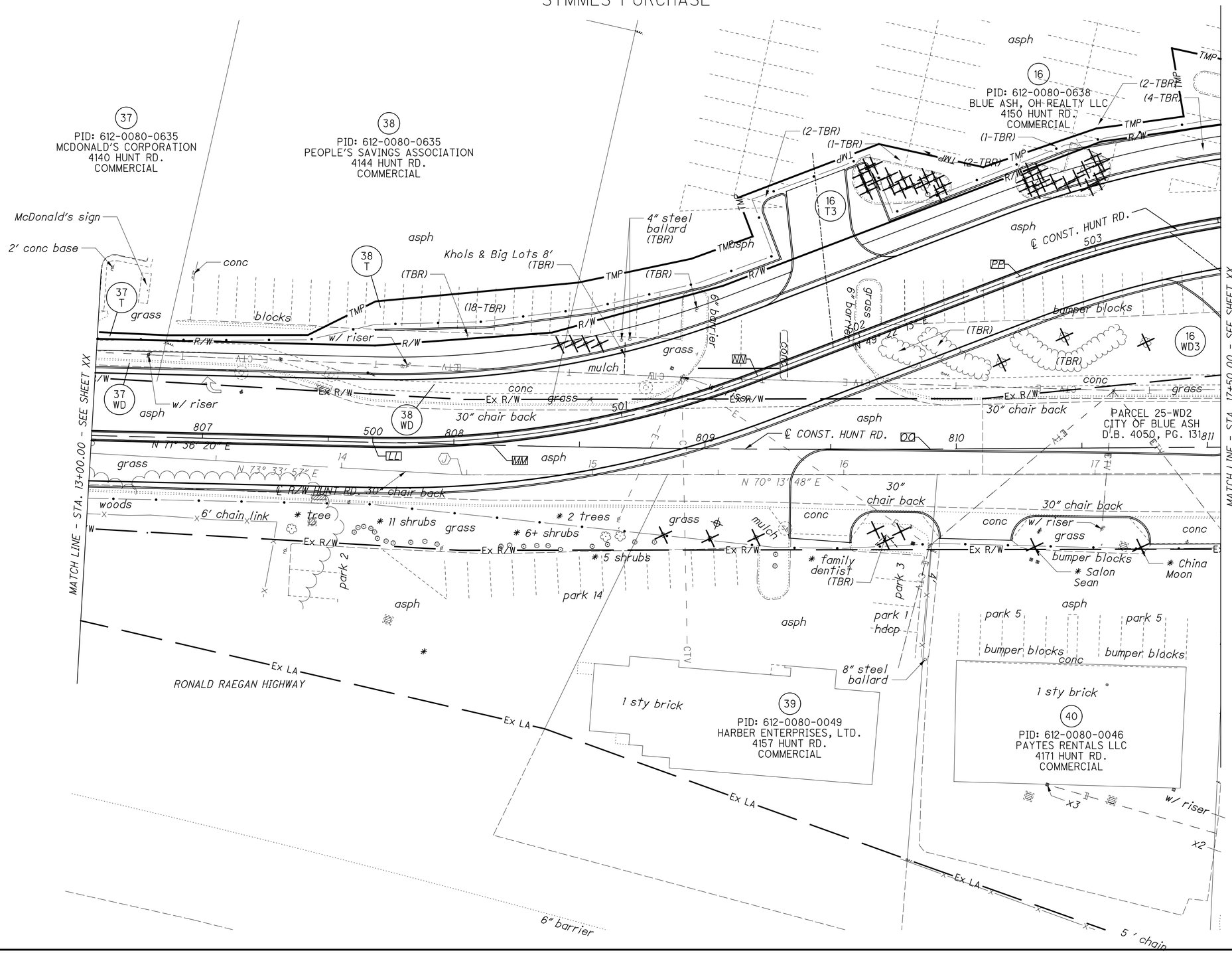
HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

PI STA 14+48.06
PC STA 500+00.00 = STA 807+67.73
PC STA 808+15.57
PT STA 501+56.40
PT STA 809+89.65
PC STA 502+68.19

P.I. Sta. 503+51.00
Δ = 23° 13′ 22″ (RT)
Dc = 14° 13′ 02″
R = 403.00′
T = 82.81′
L = 163.34′
E = 8.42′
C = 162.23′
C.B. = N 60° 58′ 54″ E



P.I. Sta. 500+79.19
Δ = 22° 14′ 07″ (LT)
Dc = 14° 13′ 02″
R = 403.00′
T = 79.19′
L = 156.40′
E = 7.71′
C = 155.42′
C.B. = N 60° 29′ 17″ E

P.I. Sta. 809+02.62
Δ = 1° 44′ 27″ (LT)
Dc = 1° 00′ 00″
R = 5,729.54′
T = 87.04′
L = 174.07′
E = 0.66′
C = 174.07′
C.B. = N 70° 44′ 07″ E

HORIZONTAL SCALE IN FEET

PID NO. 0

R/W DESIGNER XXX
R/W REVIEWER XXX

RIGHT OF WAY TOPO SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD ROUNDABOUTS

jschmeltzer 7:07:32 AM
1/14/2020
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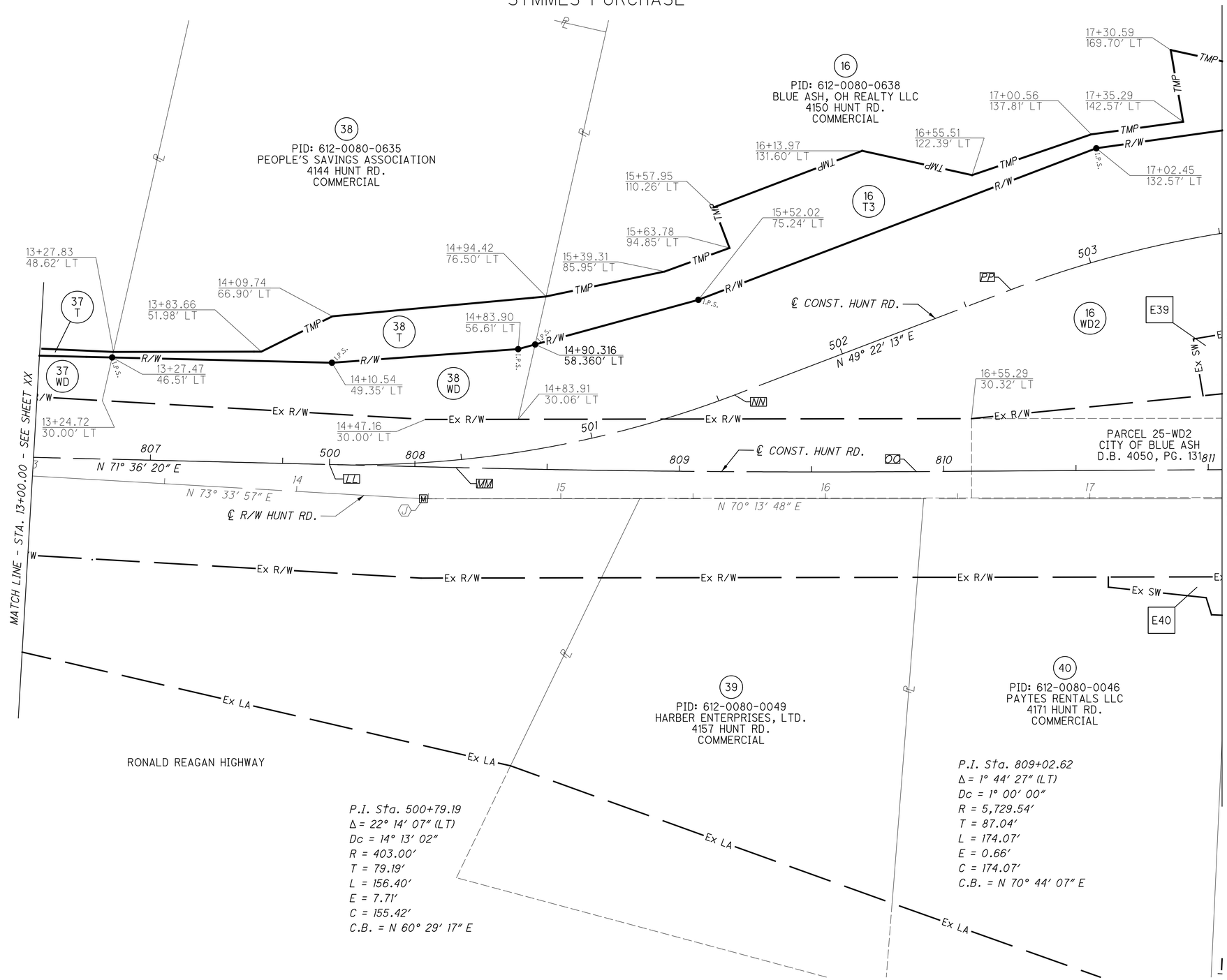
E39 SEWER EASE.
CITY OF BLUE ASH
D.B. 4050, P.G. 131
25-S

E40 SEWER EASE.
CITY OF BLUE ASH
REC. NOT FOUIND
42-S

HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

PI STA 14+48.06
PC STA 500+00.00 = STA 807+67.73
PC STA 808+15.57
PT STA 501+56.40
PT STA 809+89.65
PC STA 502+68.19

P.I. Sta. 503+51.00
Δ = 23° 13′ 22″ (RT)
Dc = 14° 13′ 02″
R = 403.00′
T = 82.81′
L = 163.34′
E = 8.42′
C = 162.23′
C.B. = N 60° 58′ 54″ E



HORIZONTAL SCALE IN FEET 0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY BOUNDARY SHEET
SUB-TITLE

HAM-PLAINFIELD RD ROUNDABOUTS

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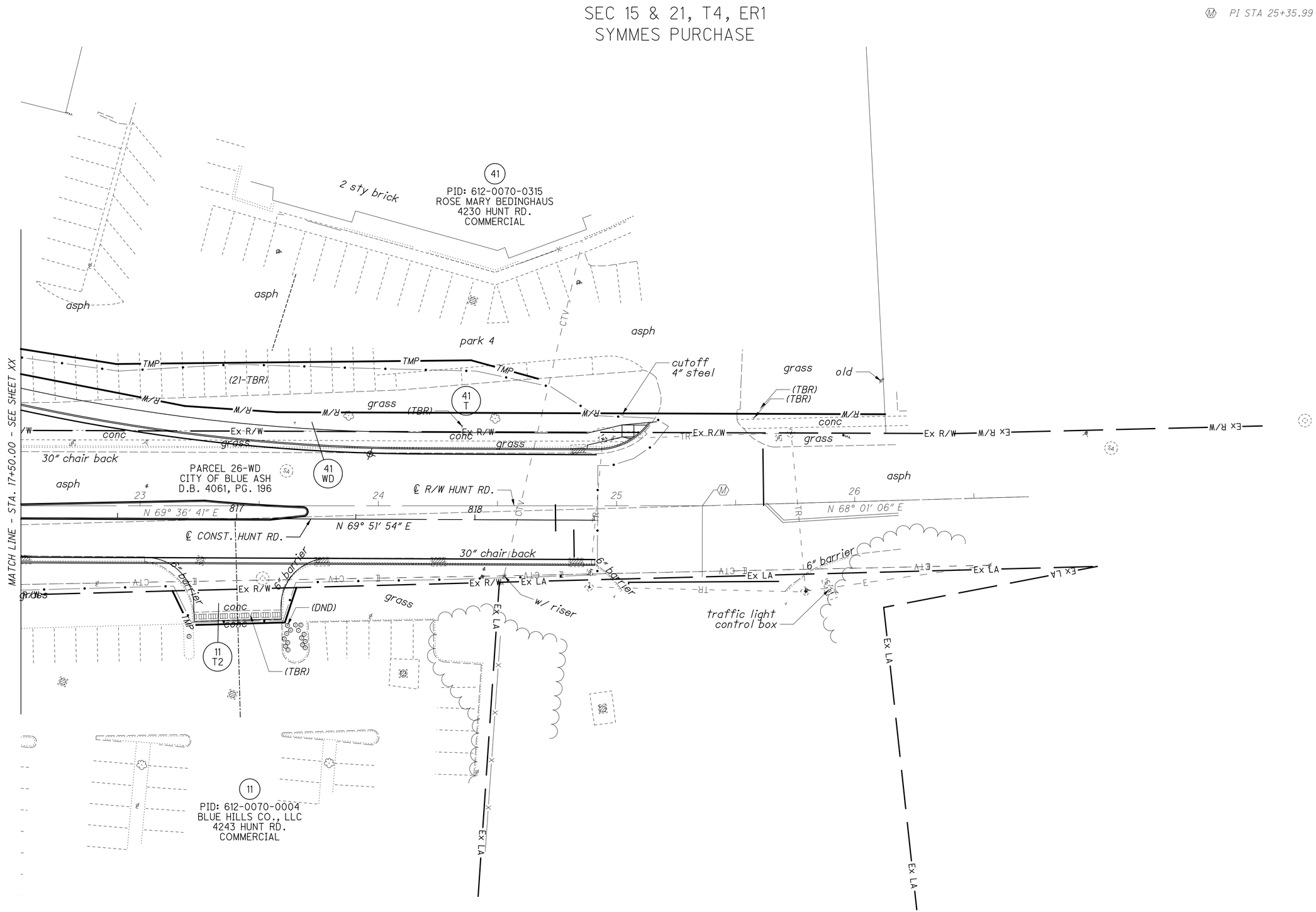
HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE



HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY TOPO SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD
ROUNDABOUTS

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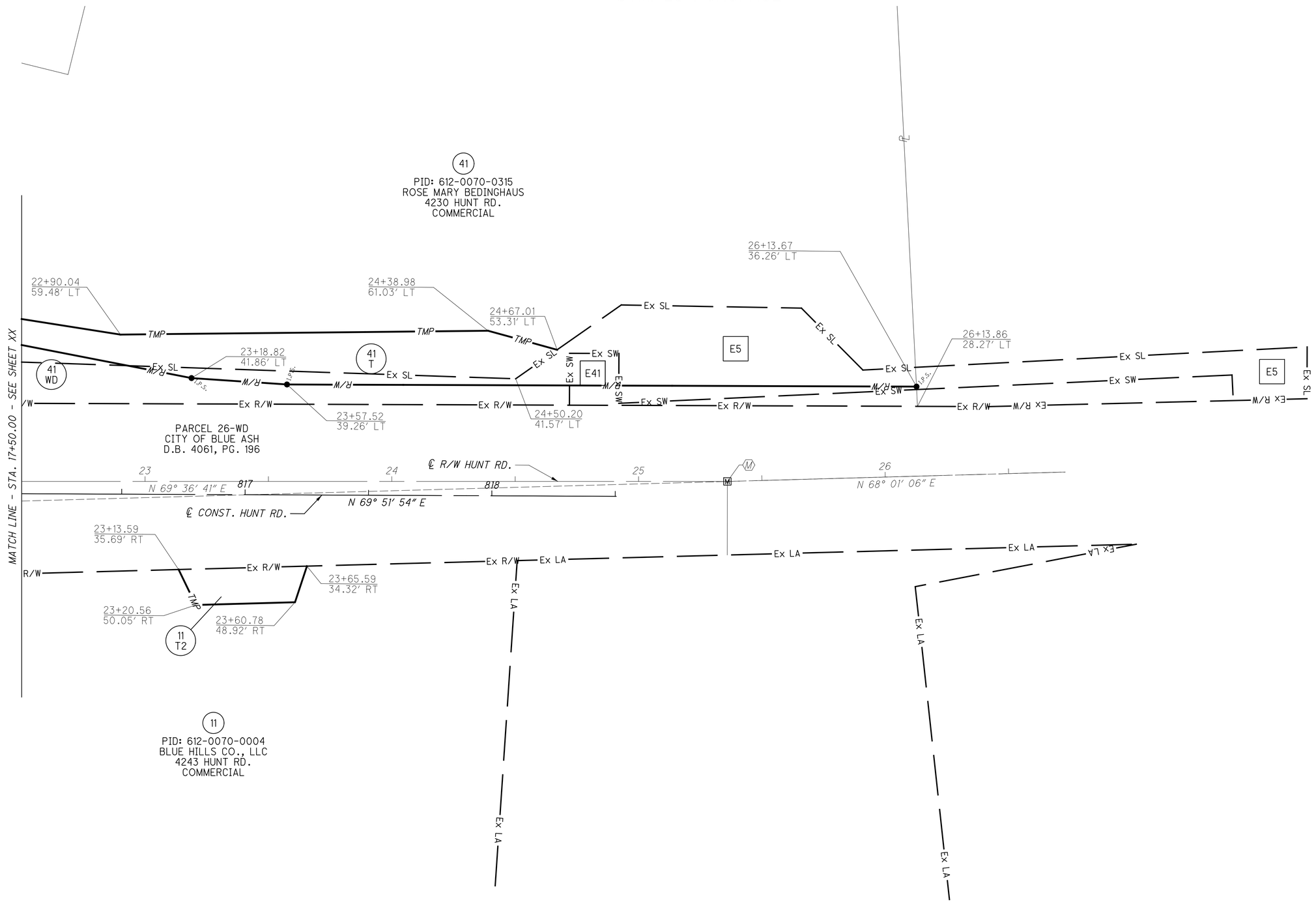
E5 SLOPE EASE.
CITY OF BLUE ASH
D.B. 4061, P.G. 196
26-SL

E41 SEWER EASE.
CITY OF BLUE ASH
D.B. 4061, P.G. 196
26-SW

HAMILTON COUNTY
CITY OF BLUE ASH
SEC 15 & 21, T4, ER1
SYMMES PURCHASE

PI STA 25+35.99



HORIZONTAL SCALE IN FEET
0 10 20 40

PID NO. 103416

R/W DESIGNER JBY
R/W REVIEWER BPB

RIGHT OF WAY BOUNDARY SHEET
SHEET SUB-TITLE

HAM-PLAINFIELD RD
ROUNDABOUTS

jschmeltzer
1/14/2020 7:07:37 AM
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