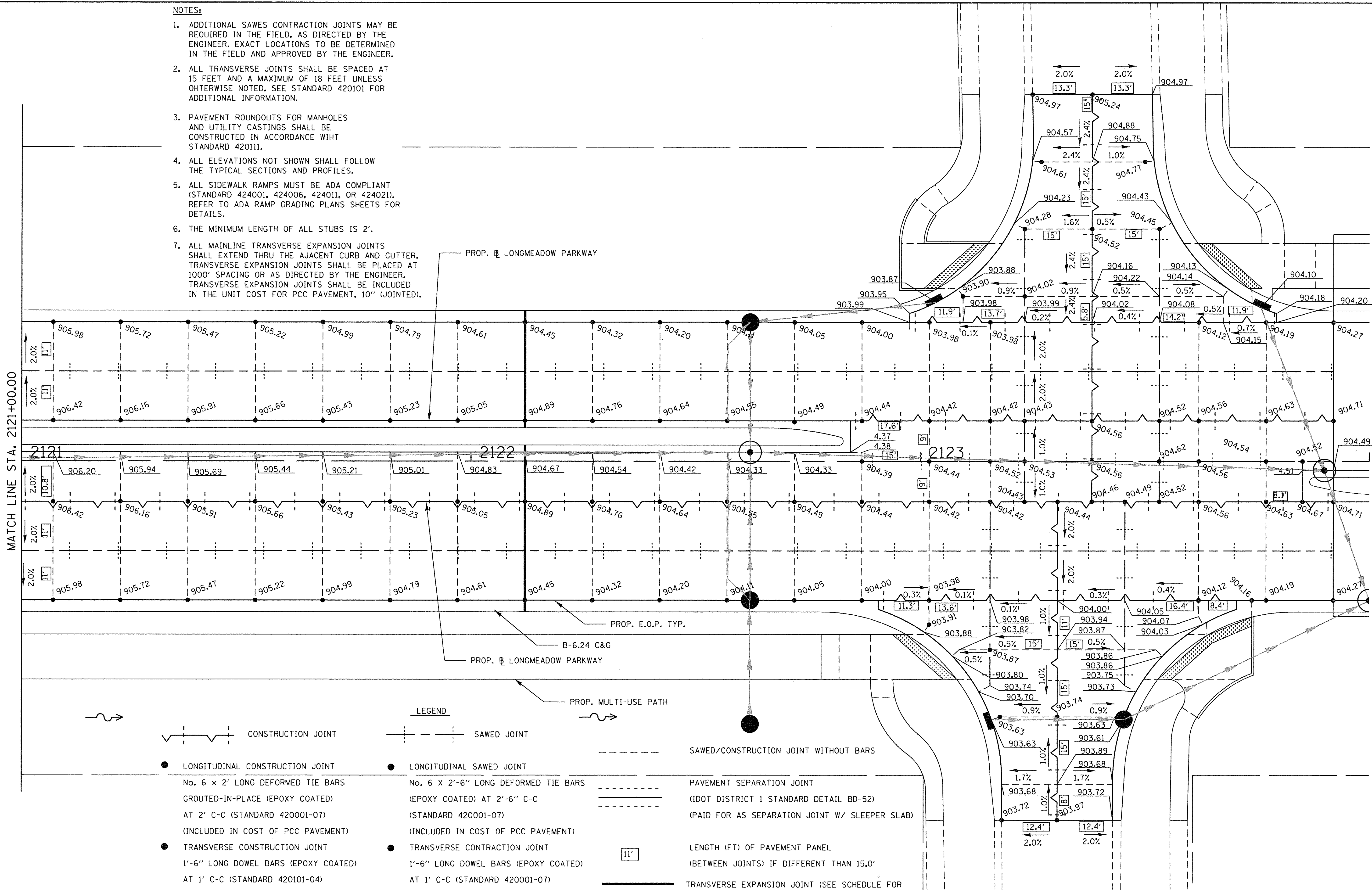


NOTES:

- ADDITIONAL SAWS CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE DETERMINED IN THE FIELD AND APPROVED BY THE ENGINEER.
- ALL TRANSVERSE JOINTS SHALL BE SPACED AT 15 FEET AND A MAXIMUM OF 18 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101 FOR ADDITIONAL INFORMATION.
- PAVEMENT ROUNDOUTS FOR MANHOLES AND UTILITY CASTINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111.
- ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
- ALL SIDEWALK RAMP MUST BE ADA COMPLIANT (STANDARD 424001, 424006, 424011, OR 424021). REFER TO ADA RAMP GRADING PLANS SHEETS FOR DETAILS.
- THE MINIMUM LENGTH OF ALL STUBS IS 2'.
- ALL MAINLINE TRANSVERSE EXPANSION JOINTS SHALL EXTEND THRU THE ADJACENT CURB AND GUTTER. TRANSVERSE EXPANSION JOINTS SHALL BE PLACED AT 1000' SPACING OR AS DIRECTED BY THE ENGINEER. TRANSVERSE EXPANSION JOINTS SHALL BE INCLUDED IN THE UNIT COST FOR PCC PAVEMENT, 10" (JOINTED).



MATCH LINE STA. 2121+00.00

LEGEND	
	CONSTRUCTION JOINT
	SAWED JOINT
	SAWED/CONSTRUCTION JOINT WITHOUT BARS
	LONGITUDINAL CONSTRUCTION JOINT
	LONGITUDINAL SAWED JOINT
	TRANSVERSE CONSTRUCTION JOINT
	TRANSVERSE CONTRACTION JOINT
	PAVEMENT SEPARATION JOINT
	LENGTH (FT) OF PAVEMENT PANEL
	TRANSVERSE EXPANSION JOINT (SEE SCHEDULE FOR LOCATIONS) (SEE HWY STANDARD 42001)

FILE NAME = W:\894-010 KDOT LMP Section B\CADD SHEETS\Section B\210131894_SHT_01.DWG

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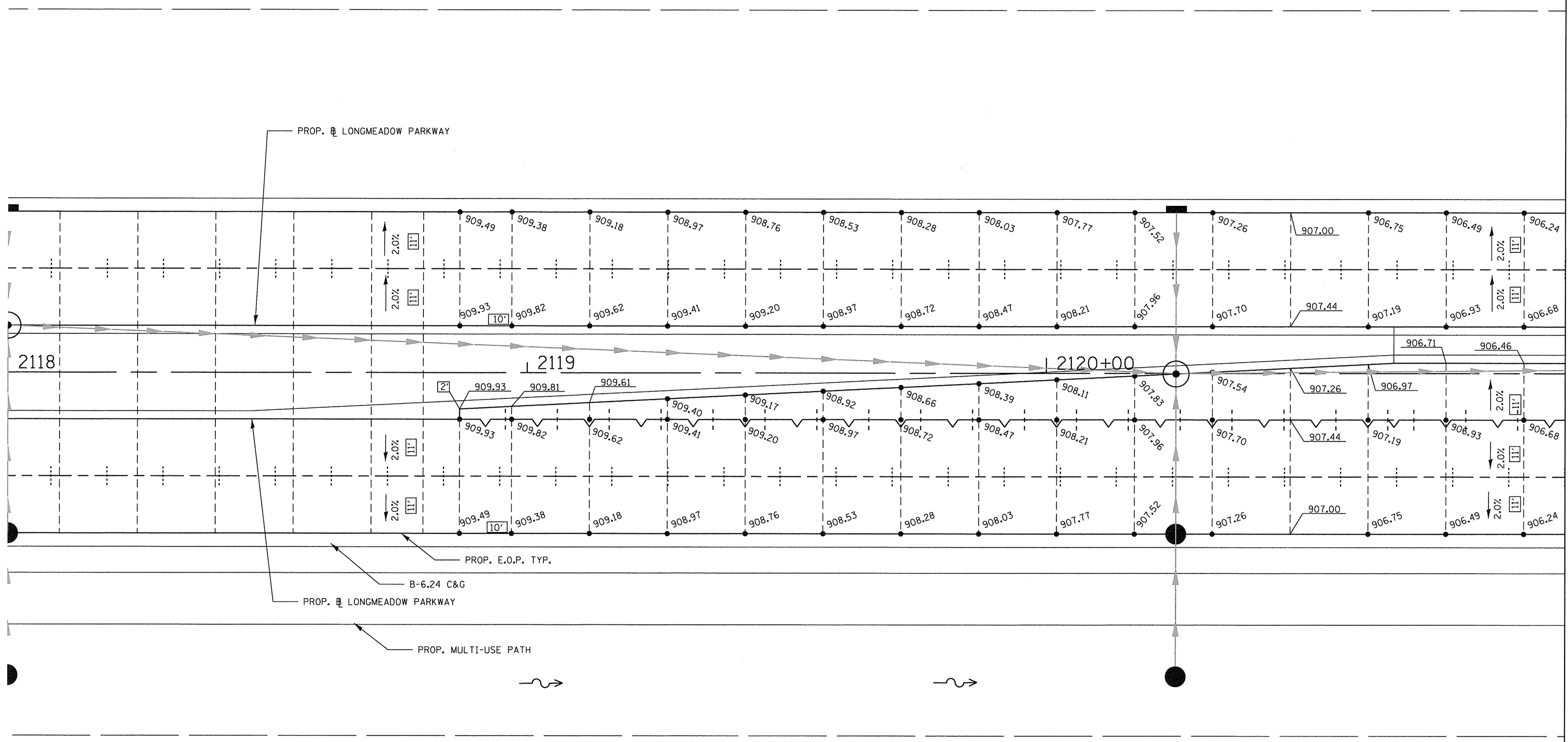
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PLOT SCALE = 10.0000' / 1" =	DRAWN - GJE	REVISED -
PLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION GRADING PLAN
WHITE CHAPEL LANE AND LONGMEADOW PARKWAY**

SCALE: 1"=10' SHEET 261 OF 477 SHEETS STA. TO STA.

F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 261
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



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Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - GJE	REVISED -
PLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

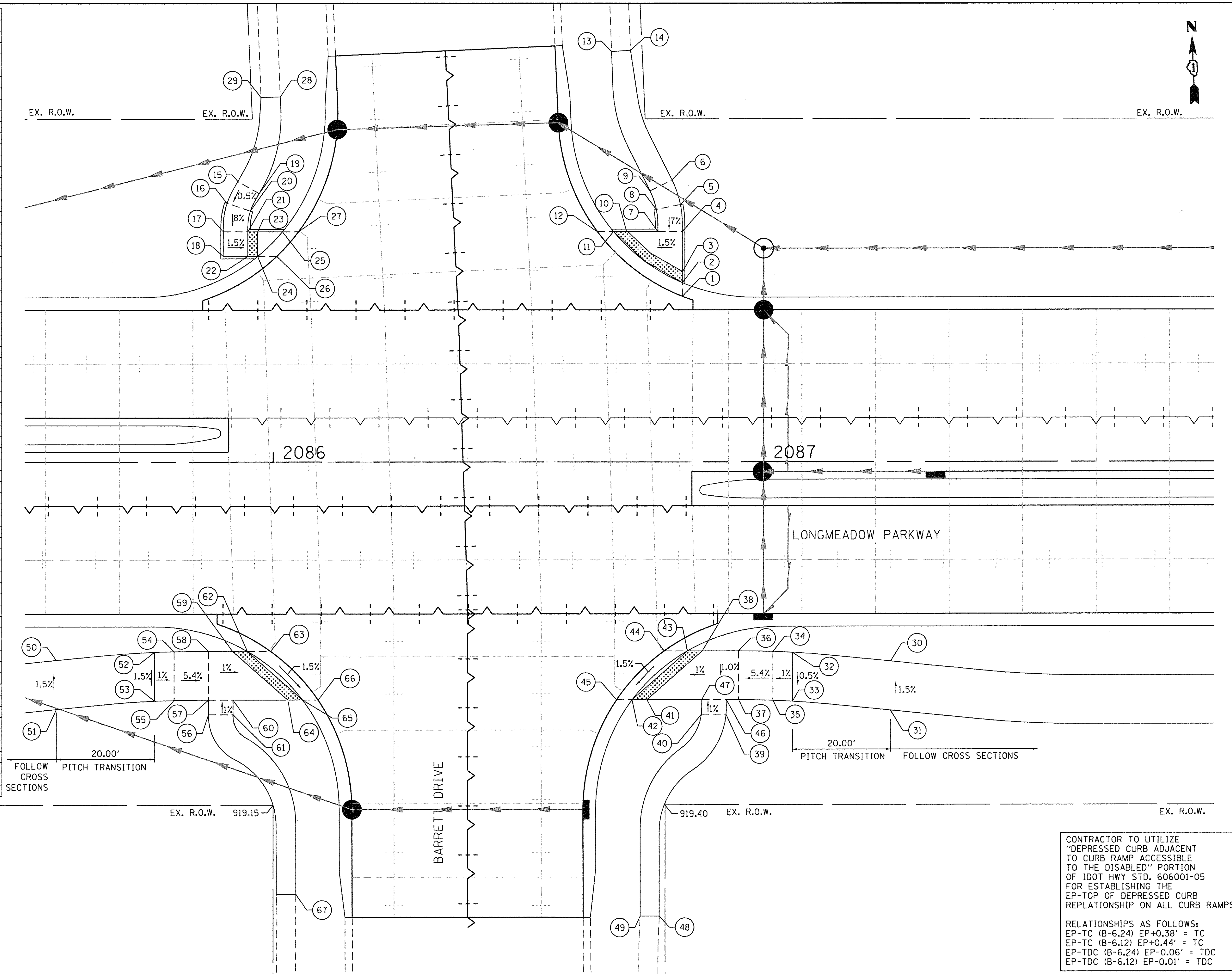
**INTERSECTION GRADING PLAN
WHITE CHAPEL LANE AND LONGMEADOW PARKWAY**

F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 262
CONTRACT NO. 61C41				ILLINOIS FED. AID PROJECT

SCALE: 1"=10' SHEET 262 OF 477 SHEETS STA. TO STA.

MATCH LINE STA. 2121+00.00

INTERSECTION GRADING PLAN				
ELEVATION TABLE				
POINT NO.	CENTERLINE	STATION	OFFSET	ELEV.
1	LONGMEADOW	2086+83.41	33.79 LT	919.22
2	LONGMEADOW	2086+83.41	36.58 LT	919.16
3	LONGMEADOW	2086+83.41	38.77 LT	919.16
4	LONGMEADOW	2086+83.41	47.00 LT	919.14
5	LONGMEADOW	2086+83.02	52.49 LT	919.50
6	LONGMEADOW	2086+81.29	57.52 LT	919.53
7	LONGMEADOW	2086+78.41	47.00 LT	919.07
8	LONGMEADOW	2086+78.12	51.51 LT	919.42
9	LONGMEADOW	2086+76.83	55.27 LT	919.46
10	LONGMEADOW	2086+72.04	47.00 LT	918.96
11	LONGMEADOW	2086+69.38	47.00 LT	918.93
12	LONGMEADOW	2086+66.09	47.00 LT	918.99
13	LONGMEADOW	2086+68.98	83.71 LT	918.47
14	LONGMEADOW	2086+72.84	83.98 LT	918.49
15	LONGMEADOW	2085+92.78	57.24 LT	918.49
16	LONGMEADOW	2085+90.59	52.80 LT	918.48
17	LONGMEADOW	2085+89.82	47.00 LT	918.13
18	LONGMEADOW	2085+89.82	42.00 LT	918.16
19	LONGMEADOW	2085+97.13	54.79 LT	918.42
20	LONGMEADOW	2085+95.33	51.22 LT	918.40
21	LONGMEADOW	2085+94.82	47.00 LT	918.06
22	LONGMEADOW	2085+94.82	42.00 LT	918.13
23	LONGMEADOW	2085+96.82	47.00 LT	918.05
24	LONGMEADOW	2085+96.82	42.00 LT	918.10
25	LONGMEADOW	2086+01.88	47.00 LT	917.96
26	LONGMEADOW	2086+00.73	42.00 LT	918.16
27	LONGMEADOW	2086+05.18	47.00 LT	918.02
28	LONGMEADOW	2086+01.44	74.54 LT	918.55
29	LONGMEADOW	2085+97.51	74.42 LT	918.63
30	LONGMEADOW	2087+25.87	40.73 RT	919.96
31	LONGMEADOW	2087+25.78	50.77 RT	920.11
32	LONGMEADOW	2087+05.84	38.92 RT	919.52
33	LONGMEADOW	2087+05.84	48.93 RT	919.47
34	LONGMEADOW	2087+01.84	38.73 RT	919.48
35	LONGMEADOW	2087+01.84	48.73 RT	919.43
36	LONGMEADOW	2086+94.84	38.58 RT	919.10
37	LONGMEADOW	2086+94.84	48.58 RT	919.00
38	LONGMEADOW	2086+87.43	38.58 RT	919.02
39	LONGMEADOW	2086+92.27	51.58 RT	918.98
40	LONGMEADOW	2086+87.24	51.58 RT	918.93
41	LONGMEADOW	2086+76.16	48.58 RT	918.78
42	LONGMEADOW	2086+73.14	48.58 RT	918.76
43	LONGMEADOW	2086+84.42	38.58 RT	919.00
44	LONGMEADOW	2086+79.67	38.58 RT	919.06
45	LONGMEADOW	2086+69.97	48.60 RT	918.82
46	LONGMEADOW	2086+92.36	48.58 RT	918.95
47	LONGMEADOW	2086+87.32	48.58 RT	918.90
48	LONGMEADOW	2086+78.64	92.73 RT	919.49
49	LONGMEADOW	2086+74.78	92.72 RT	919.37
50	LONGMEADOW	2085+55.80	40.42 RT	919.07
51	LONGMEADOW	2085+55.80	50.47 RT	919.22
52	LONGMEADOW	2085+75.78	38.76 RT	919.17
53	LONGMEADOW	2085+75.79	48.77 RT	919.03
54	LONGMEADOW	2085+79.80	38.63 RT	919.14
55	LONGMEADOW	2085+79.79	48.64 RT	918.99
56	LONGMEADOW	2085+86.79	51.58 RT	918.65
57	LONGMEADOW	2085+86.79	48.58 RT	918.61
58	LONGMEADOW	2085+86.79	48.58 RT	918.72
59	LONGMEADOW	2085+91.68	38.58 RT	918.67
60	LONGMEADOW	2085+91.79	48.58 RT	918.57
61	LONGMEADOW	2085+91.79	51.58 RT	918.60
62	LONGMEADOW	2085+94.70	38.58 RT	918.65
63	LONGMEADOW	2085+99.44	38.58 RT	918.71
64	LONGMEADOW	2086+02.99	48.58 RT	918.45
65	LONGMEADOW	2086+05.97	48.58 RT	918.43
66	LONGMEADOW	2086+09.13	48.58 RT	918.49
67	LONGMEADOW	2086+04.55	88.19 RT	919.36



CONTRACTOR TO UTILIZE "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" PORTION OF IDOT HWY STD. 606001-05 FOR ESTABLISHING THE REPTOP OF DEPRESSED CURB RELATIONSHIP ON ALL CURB RAMPS

RELATIONSHIPS AS FOLLOWS:
 EP-TC (B-6.24) EP+0.38' = TC
 EP-TC (B-6.12) EP+0.44' = TC
 EP-TDC (B-6.24) EP-0.06' = TDC
 EP-TDC (B-6.12) EP-0.01' = TDC

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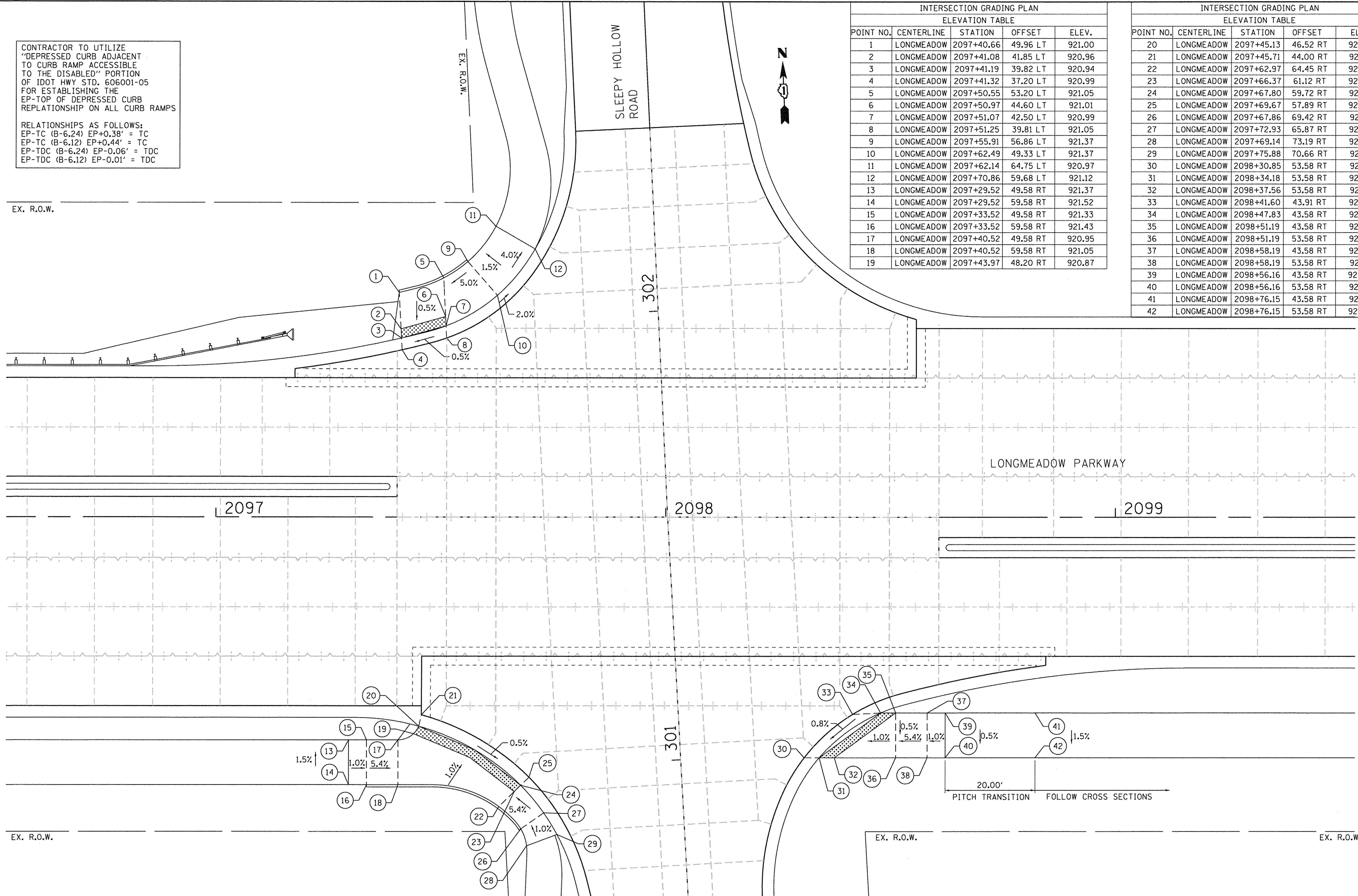
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	PLOT SCALE = 10,0000' / in.	CHECKED - DBB	REVISED -		SCALE: 1"=10'	SHEET 264 OF 477 SHEETS	STA. TO STA.	CONTRACT NO. 61C41				
	PLOT DATE = 10/27/2016	DATE = 10/28/2016	REVISED -		ILLINOIS FED. AID PROJECT							

CONTRACTOR TO UTILIZE "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" PORTION OF IDOT HWY STD. 606001-05 FOR ESTABLISHING THE EP-TOP OF DEPRESSED CURB REPLICATION ON ALL CURB RAMPS

RELATIONSHIPS AS FOLLOWS:
 EP-TC (B-6.24) EP+0.38' = TC
 EP-TC (B-6.12) EP+0.44' = TC
 EP-TDC (B-6.24) EP-0.06' = TDC
 EP-TDC (B-6.12) EP-0.01' = TDC

INTERSECTION GRADING PLAN				
ELEVATION TABLE				
POINT NO.	CENTERLINE	STATION	OFFSET	ELEV.
1	LONGMEADOW	2097+40.66	49.96 LT	921.00
2	LONGMEADOW	2097+41.08	41.85 LT	920.96
3	LONGMEADOW	2097+41.19	39.82 LT	920.94
4	LONGMEADOW	2097+41.32	37.20 LT	920.99
5	LONGMEADOW	2097+50.55	53.20 LT	921.05
6	LONGMEADOW	2097+50.97	44.60 LT	921.01
7	LONGMEADOW	2097+51.07	42.50 LT	920.99
8	LONGMEADOW	2097+51.25	39.81 LT	921.05
9	LONGMEADOW	2097+55.91	56.86 LT	921.37
10	LONGMEADOW	2097+62.49	49.33 LT	921.37
11	LONGMEADOW	2097+62.14	64.75 LT	920.97
12	LONGMEADOW	2097+70.86	59.68 LT	921.12
13	LONGMEADOW	2097+29.52	49.58 RT	921.37
14	LONGMEADOW	2097+29.52	59.58 RT	921.52
15	LONGMEADOW	2097+33.52	49.58 RT	921.33
16	LONGMEADOW	2097+33.52	59.58 RT	921.43
17	LONGMEADOW	2097+40.52	49.58 RT	920.95
18	LONGMEADOW	2097+40.52	59.58 RT	921.05
19	LONGMEADOW	2097+43.97	48.20 RT	920.87

INTERSECTION GRADING PLAN				
ELEVATION TABLE				
POINT NO.	CENTERLINE	STATION	OFFSET	ELEV.
20	LONGMEADOW	2097+45.13	46.52 RT	920.85
21	LONGMEADOW	2097+45.71	44.00 RT	920.91
22	LONGMEADOW	2097+62.97	64.45 RT	920.78
23	LONGMEADOW	2097+66.37	61.12 RT	920.73
24	LONGMEADOW	2097+67.80	59.72 RT	920.71
25	LONGMEADOW	2097+69.67	57.89 RT	920.77
26	LONGMEADOW	2097+67.86	69.42 RT	921.16
27	LONGMEADOW	2097+72.93	65.87 RT	921.09
28	LONGMEADOW	2097+69.14	73.19 RT	921.20
29	LONGMEADOW	2097+75.88	70.66 RT	921.14
30	LONGMEADOW	2098+30.85	53.58 RT	921.41
31	LONGMEADOW	2098+34.18	53.58 RT	921.35
32	LONGMEADOW	2098+37.56	53.58 RT	921.41
33	LONGMEADOW	2098+41.60	43.91 RT	921.50
34	LONGMEADOW	2098+47.83	43.58 RT	921.44
35	LONGMEADOW	2098+51.19	43.58 RT	921.58
36	LONGMEADOW	2098+51.19	53.58 RT	921.53
37	LONGMEADOW	2098+58.19	43.58 RT	921.96
38	LONGMEADOW	2098+58.19	53.58 RT	921.91
39	LONGMEADOW	2098+56.16	43.58 RT	922.00
40	LONGMEADOW	2098+56.16	53.58 RT	921.95
41	LONGMEADOW	2098+76.15	43.58 RT	922.19
42	LONGMEADOW	2098+76.15	53.58 RT	922.04



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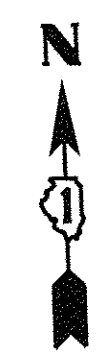
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PLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LONGMEADOW PARKWAY AT SLEEPY HOLLOW ROAD
ADA RAMP GRADING PLAN

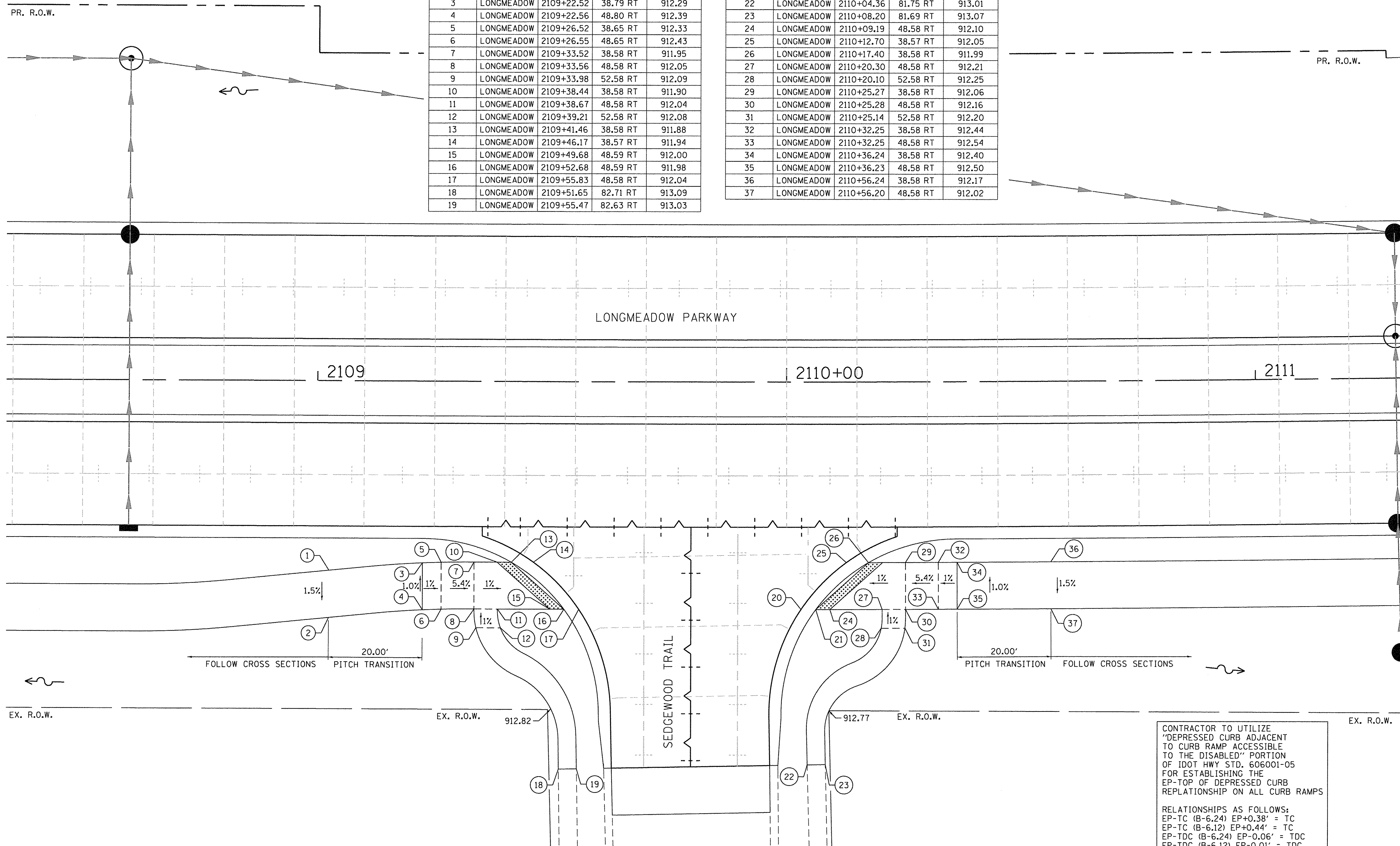
SCALE: 1"=10' SHEET 265 OF 477 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	265
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



INTERSECTION GRADING PLAN				
ELEVATION TABLE				
POINT NO.	CENTERLINE	STATION	OFFSET	ELEV.
1	LONGMEADOW	2109+02.58	40.47 RT	911.80
2	LONGMEADOW	2109+02.55	50.52 RT	911.65
3	LONGMEADOW	2109+22.52	38.79 RT	912.29
4	LONGMEADOW	2109+22.56	48.80 RT	912.39
5	LONGMEADOW	2109+26.52	38.65 RT	912.33
6	LONGMEADOW	2109+26.55	48.65 RT	912.43
7	LONGMEADOW	2109+33.52	38.58 RT	911.95
8	LONGMEADOW	2109+33.56	48.58 RT	912.05
9	LONGMEADOW	2109+33.98	52.58 RT	912.09
10	LONGMEADOW	2109+38.44	38.58 RT	911.90
11	LONGMEADOW	2109+38.67	48.58 RT	912.04
12	LONGMEADOW	2109+39.21	52.58 RT	912.08
13	LONGMEADOW	2109+41.46	38.58 RT	911.88
14	LONGMEADOW	2109+46.17	38.57 RT	911.94
15	LONGMEADOW	2109+49.68	48.59 RT	912.00
16	LONGMEADOW	2109+52.68	48.59 RT	911.98
17	LONGMEADOW	2109+55.83	48.58 RT	912.04
18	LONGMEADOW	2109+51.65	82.71 RT	913.09
19	LONGMEADOW	2109+55.47	82.63 RT	913.03

INTERSECTION GRADING PLAN				
ELEVATION TABLE				
POINT NO.	CENTERLINE	STATION	OFFSET	ELEV.
20	LONGMEADOW	2110+03.05	48.58 RT	912.14
21	LONGMEADOW	2110+06.20	48.58 RT	912.08
22	LONGMEADOW	2110+04.36	81.75 RT	913.01
23	LONGMEADOW	2110+08.20	81.69 RT	913.07
24	LONGMEADOW	2110+09.19	48.58 RT	912.10
25	LONGMEADOW	2110+12.70	38.57 RT	912.05
26	LONGMEADOW	2110+17.40	38.58 RT	911.99
27	LONGMEADOW	2110+20.30	48.58 RT	912.21
28	LONGMEADOW	2110+20.10	52.58 RT	912.25
29	LONGMEADOW	2110+25.27	38.58 RT	912.06
30	LONGMEADOW	2110+25.28	48.58 RT	912.16
31	LONGMEADOW	2110+25.14	52.58 RT	912.20
32	LONGMEADOW	2110+32.25	38.58 RT	912.44
33	LONGMEADOW	2110+32.25	48.58 RT	912.54
34	LONGMEADOW	2110+36.24	38.58 RT	912.40
35	LONGMEADOW	2110+36.23	48.58 RT	912.50
36	LONGMEADOW	2110+56.24	38.58 RT	912.17
37	LONGMEADOW	2110+56.20	48.58 RT	912.02



CONTRACTOR TO UTILIZE "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" PORTION OF IDOT HWY STD. 606001-05 FOR ESTABLISHING THE EP-TOP OF DEPRESSED CURB REPLATIONSHIP ON ALL CURB RAMPS

RELATIONSHIPS AS FOLLOWS:
 EP-TC (B-6.24) EP+0.38' = TC
 EP-TC (B-6.12) EP+0.44' = TC
 EP-TDC (B-6.24) EP-0.06' = TDC
 EP-TDC (B-6.12) EP-0.01' = TDC

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 ITASCA, ILLINOIS

USER NAME = gellwanger
 PLOT SCALE = 10.0000' / 1" =
 PLOT DATE = 10/27/2016

DESIGNED - GJE
 DRAWN - GJE
 CHECKED - DBB
 DATE - 10/28/2016

REVISED -
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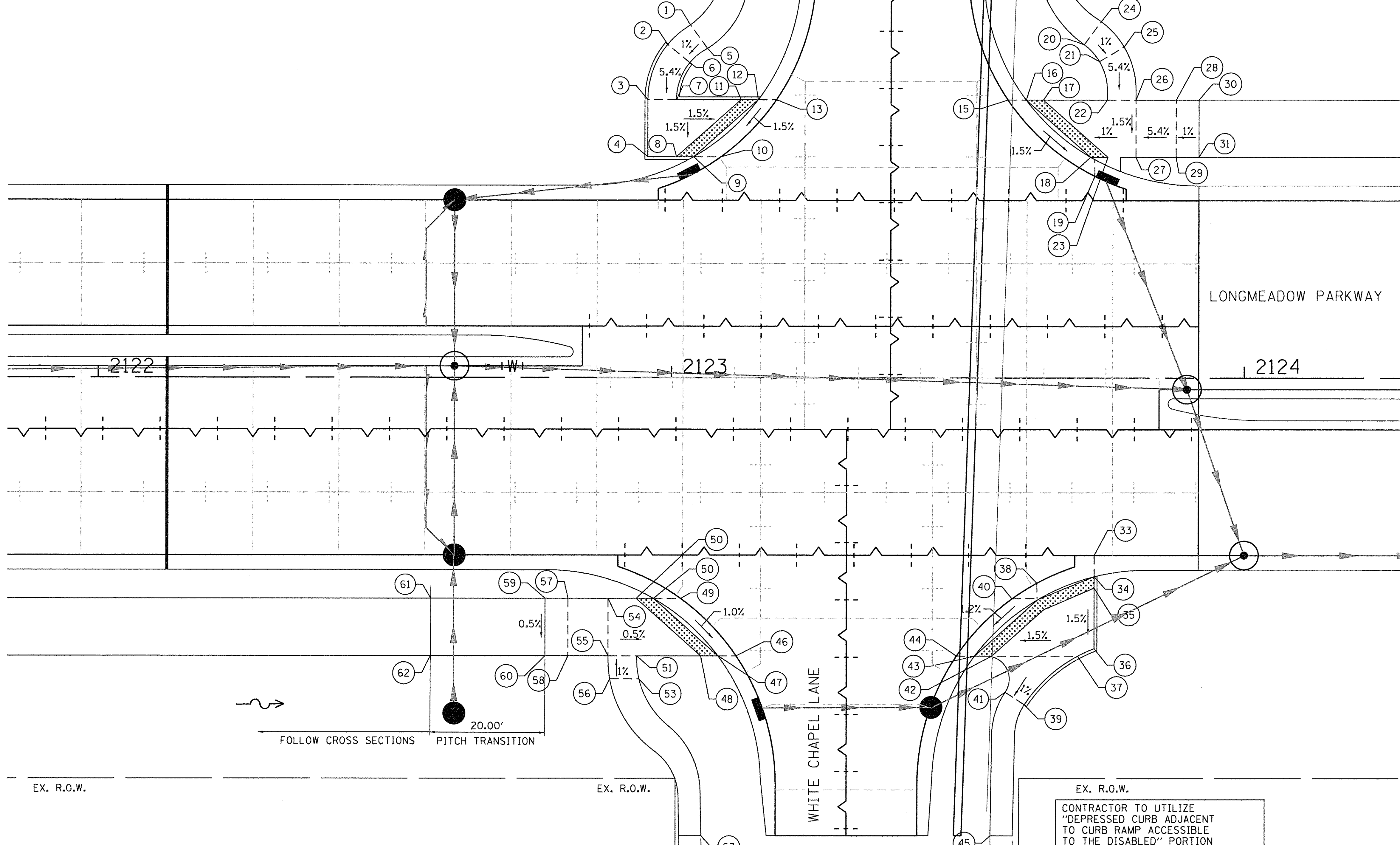
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY AT SEDGEWOOD TRAIL
 ADA RAMP GRADING PLAN**

SCALE: 1"=10' SHEET 266 OF 477 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	266
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				

EX. R.O.W.



EX. R.O.W.

EX. R.O.W.

CONTRACTOR TO UTILIZE "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" PORTION OF IDOT HWY STD. 606001-05 FOR ESTABLISHING THE EP-TOP OF DEPRESSED CURB REPLICATIONSHIP ON ALL CURB RAMPS

RELATIONSHIPS AS FOLLOWS:
 EP-TC (B-6.24) EP+0.38' = TC
 EP-TC (B-6.12) EP+0.44' = TC
 EP-TDC (B-6.24) EP-0.06' = TDC
 EP-TDC (B-6.12) EP-0.01' = TDC

INTERSECTION GRADING PLAN				
ELEVATION TABLE				
POINT NO.	CENTERLINE	STATION	OFFSET	ELEV.
1	LONGMEADOW	2123+03.21	61.63 LT	904.54
2	LONGMEADOW	2122+99.24	58.24 LT	904.50
3	LONGMEADOW	2122+95.80	48.58 LT	904.09
4	LONGMEADOW	2122+95.80	38.58 LT	903.94
5	LONGMEADOW	2123+06.18	57.57 LT	904.49
6	LONGMEADOW	2123+03.09	55.06 LT	904.45
7	LONGMEADOW	2123+00.80	48.58 LT	904.07
8	LONGMEADOW	2123+00.80	38.58 LT	903.89
9	LONGMEADOW	2123+03.81	38.58 LT	903.82
10	LONGMEADOW	2123+08.56	38.58 LT	903.88
11	LONGMEADOW	2123+12.07	48.58 LT	904.02
12	LONGMEADOW	2123+15.09	48.58 LT	904.01
13	LONGMEADOW	2123+18.26	48.58 LT	901.07
14	LONGMEADOW	2123+13.08	81.79 LT	MATCH EX.
15	LONGMEADOW	2123+58.68	48.58 LT	904.35
16	LONGMEADOW	2123+61.85	48.58 LT	904.29
17	LONGMEADOW	2123+64.86	48.58 LT	904.29
18	LONGMEADOW	2123+73.12	38.58 LT	904.04
19	LONGMEADOW	2123+73.86	35.25 LT	904.10
20	LONGMEADOW	2123+71.96	58.29 LT	904.69
21	LONGMEADOW	2123+74.63	55.34 LT	904.65
22	LONGMEADOW	2123+76.02	48.58 LT	904.29
23	LONGMEADOW	2123+76.14	38.58 LT	904.06
24	LONGMEADOW	2123+74.92	62.32 LT	904.72
25	LONGMEADOW	2123+78.93	57.89 LT	904.65
26	LONGMEADOW	2123+81.02	48.58 LT	904.29
27	LONGMEADOW	2123+81.02	38.58 LT	904.12
28	LONGMEADOW	2123+88.02	48.58 LT	904.65
29	LONGMEADOW	2123+88.02	38.58 LT	904.50
30	LONGMEADOW	2123+92.02	48.58 LT	904.69
31	LONGMEADOW	2123+92.02	38.58 LT	904.54
32	LONGMEADOW	2123+63.33	81.79 LT	MATCH EX.
33	LONGMEADOW	2123+73.86	31.00 RT	904.16
34	LONGMEADOW	2123+73.86	34.71 RT	904.10
35	LONGMEADOW	2123+73.86	37.26 RT	904.07
36	LONGMEADOW	2123+73.86	47.27 RT	903.91
37	LONGMEADOW	2123+70.98	48.58 RT	903.91
38	LONGMEADOW	2123+63.86	35.85 RT	904.03
39	LONGMEADOW	2123+61.70	57.06 RT	903.87
40	LONGMEADOW	2123+59.52	38.58 RT	904.00
41	LONGMEADOW	2123+58.36	54.87 RT	903.93
42	LONGMEADOW	2123+56.00	48.58 RT	903.74
43	LONGMEADOW	2123+53.00	48.58 RT	903.71
44	LONGMEADOW	2123+49.83	48.58 RT	903.77
45	LONGMEADOW	2123+55.74	80.00 RT	MATCH EX.
46	LONGMEADOW	2123+11.37	48.58 RT	903.73
47	LONGMEADOW	2123+08.27	48.58 RT	903.67
48	LONGMEADOW	2123+05.18	48.58 RT	903.69
49	LONGMEADOW	2123+01.67	38.58 RT	903.87
50	LONGMEADOW	2123+96.92	38.58 RT	903.87
51	LONGMEADOW	2122+93.91	38.58 RT	903.82
52	LONGMEADOW	2122+94.02	48.58 RT	903.77
53	LONGMEADOW	2122+94.42	52.58 RT	903.81
54	LONGMEADOW	2122+89.02	38.58 RT	903.85
55	LONGMEADOW	2122+89.02	48.58 RT	903.80
56	LONGMEADOW	2122+89.32	52.58 RT	903.84
57	LONGMEADOW	2122+82.02	38.58 RT	904.23
58	LONGMEADOW	2122+82.02	48.58 RT	904.18
59	LONGMEADOW	2122+78.02	38.58 RT	904.27
60	LONGMEADOW	2122+78.02	48.58 RT	904.22
61	LONGMEADOW	2122+58.08	38.58 RT	904.42
62	LONGMEADOW	2122+58.02	48.58 RT	904.22
63	LONGMEADOW	2123+05.27	80.00 RT	MATCH EX.

FILE NAME: W:\914-010 KDOT LMP Section B\CADD SHEETS\Section B\2013\B94_SHT_ADA_04.dgn

Bollinger, Lach & Associates, Inc.
 ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
PLOT SCALE = 10.0000' / 1in.	DRAWN - GJE	REVISED -
PLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

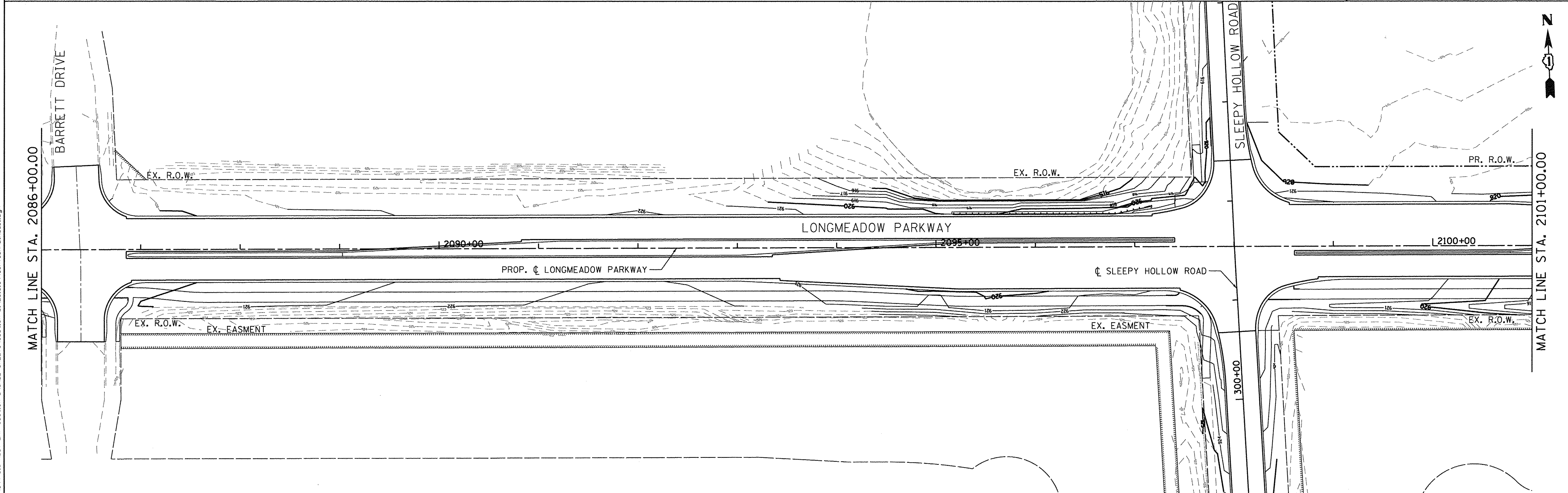
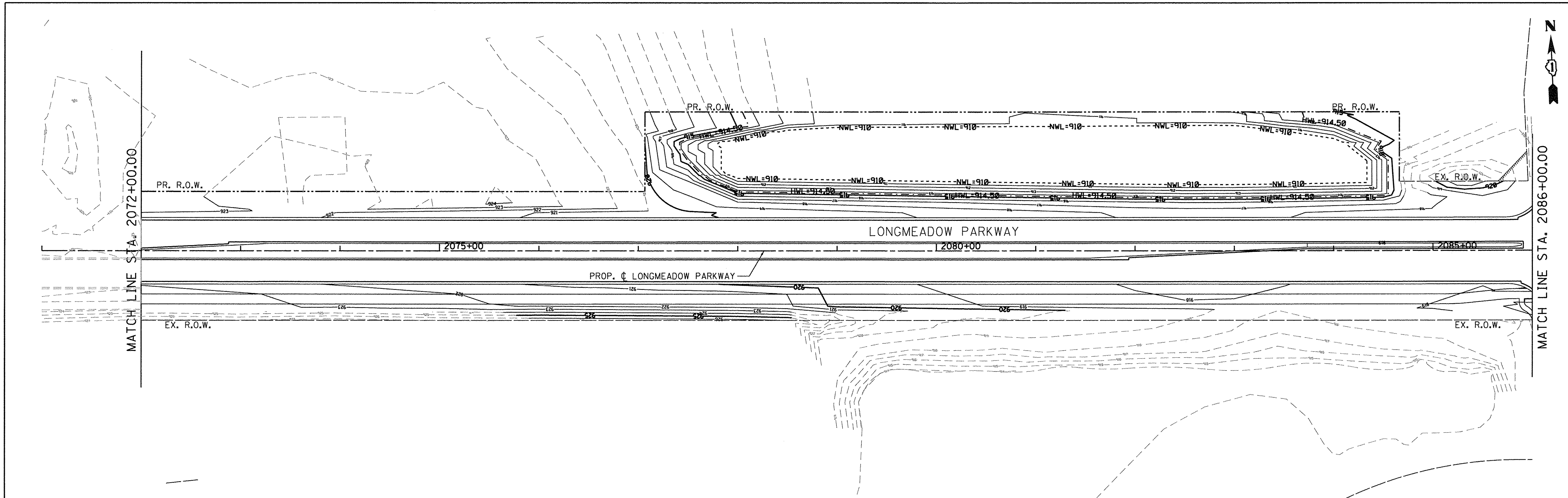
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LONGMEADOW PARKWAY AT WHITE CHAPEL LANE
ADA RAMP GRADING PLAN

SCALE: 1"=10' SHEET 267 OF 477 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	267
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				

FILE NAME : W:\894-010 KDOT LMP Section B\CADD SHEETS\Section B\2013\894_SHT_GRADING_01.dgn



Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN - GJE	REVISED -
PLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

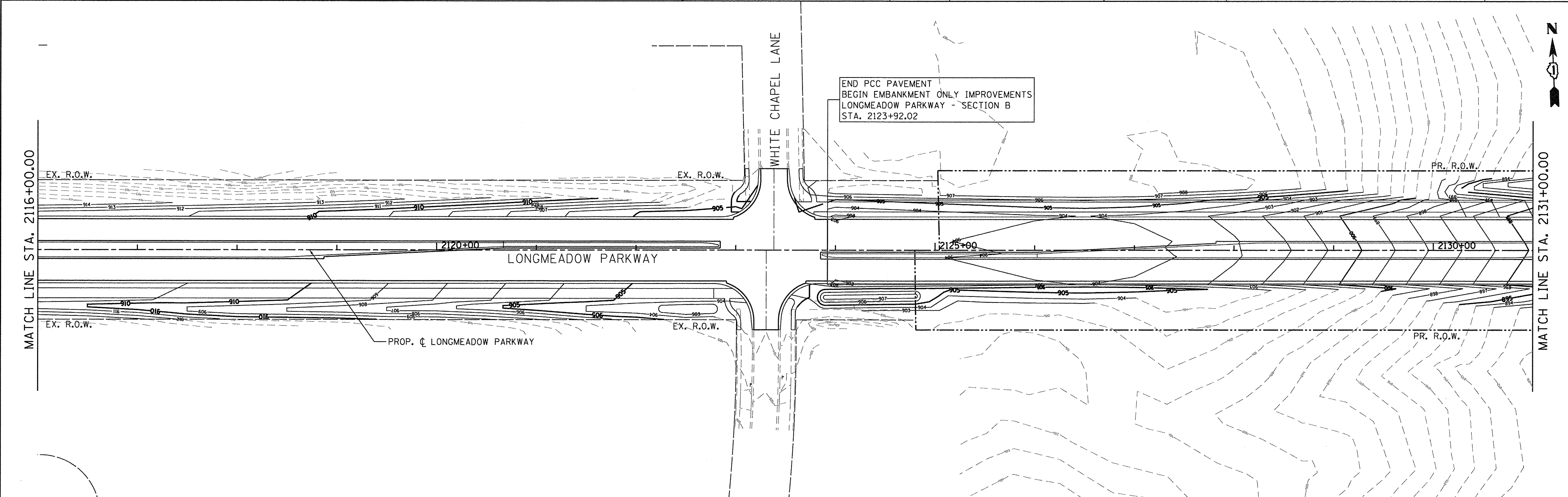
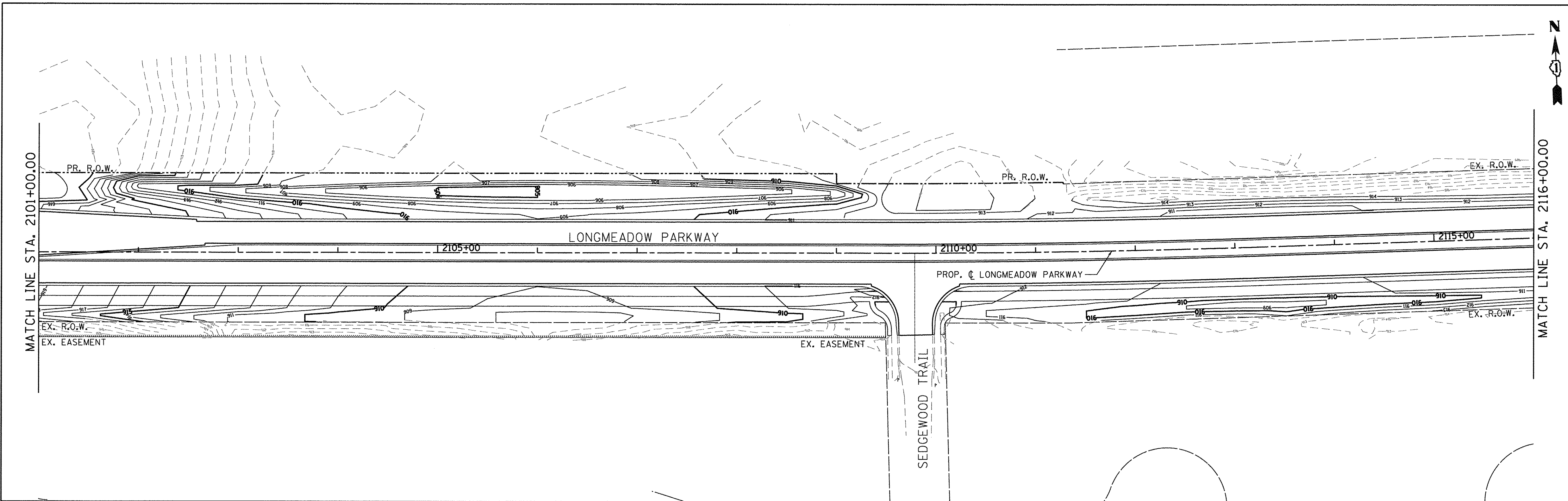
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
GRADING PLAN**

SCALE: 1"=50' SHEET 268 OF 477 SHEETS STA. 2072+00.00 TO STA. 2101+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	268
CONTRACT NO. 61C41			ILLINOIS FED. AID PROJECT	

FILE NAME = W:\894-010-KDOT-LMP-Section-B\CADD-SHEETS\Section-B\13-00215-10-SHT-GRADING-02.dgn



Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
PLOT SCALE = 50,0000' / 1" =	DRAWN - GJE	REVISED -
PLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

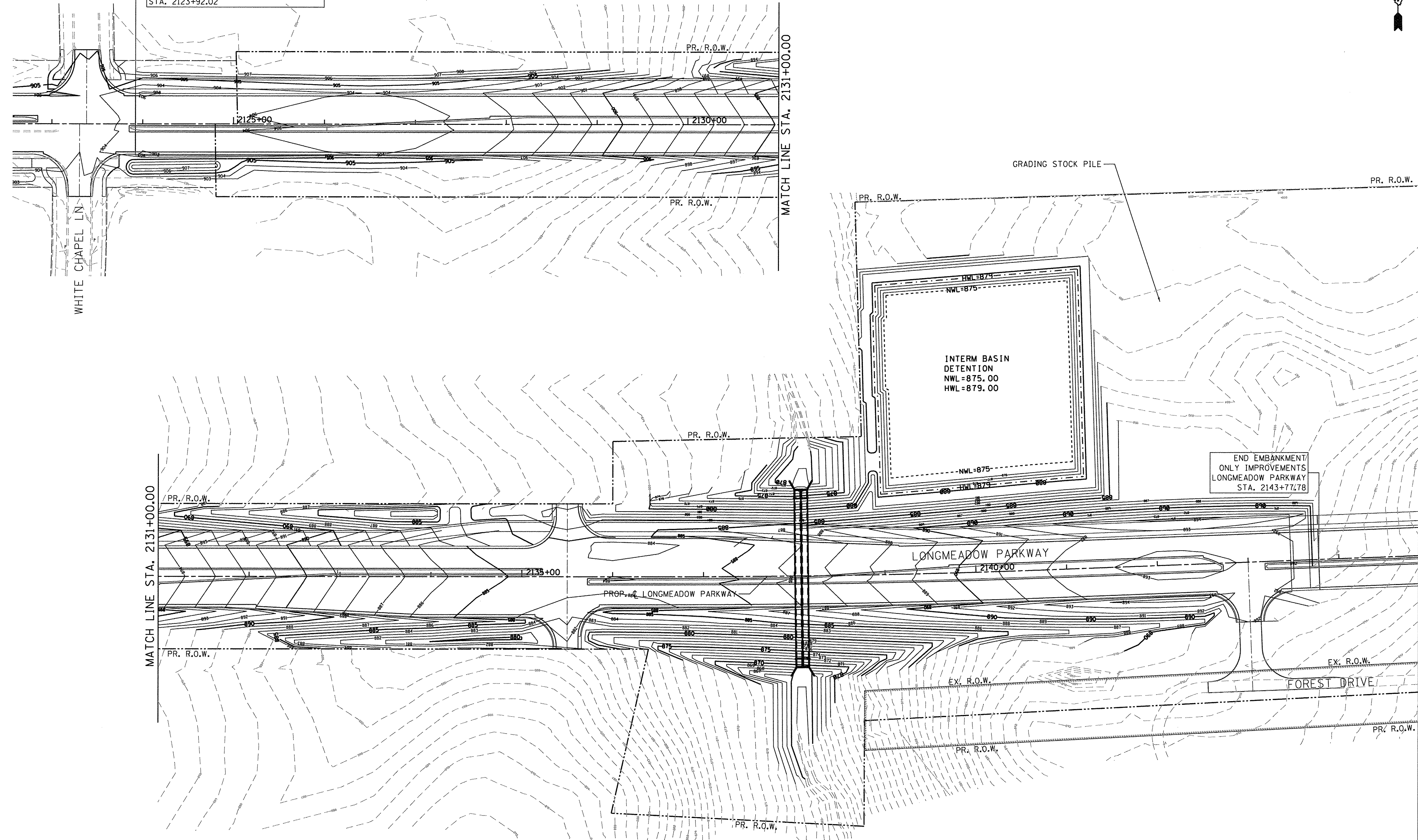
**LONGMEADOW PARKWAY
GRADING PLAN**

SCALE: 1"=50' SHEET 269 OF 477 SHEETS STA. 2101+00.00 TO STA. 2131+00.00

F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 269
				CONTRACT NO. 61C41
ILLINOIS FED. AID PROJECT				



END PCC PAVEMENT
 BEGIN EMBANKMENT ONLY IMPROVEMENTS
 LONGMEADOW PARKWAY - SECTION B
 STA. 2123+92.02



MATCH LINE STA. 2131+00.00

MATCH LINE STA. 2131+00.00

END EMBANKMENT
 ONLY IMPROVEMENTS
 LONGMEADOW PARKWAY
 STA. 2143+77.78

FILE NAME = W:\894-810 KDOT LMP Section B\CADD SHEETS\Section B\20131894_SHT_GRADING_03.dgn

B Bollinger, Lach & Associates, Inc.
 ITASCA, ILLINOIS

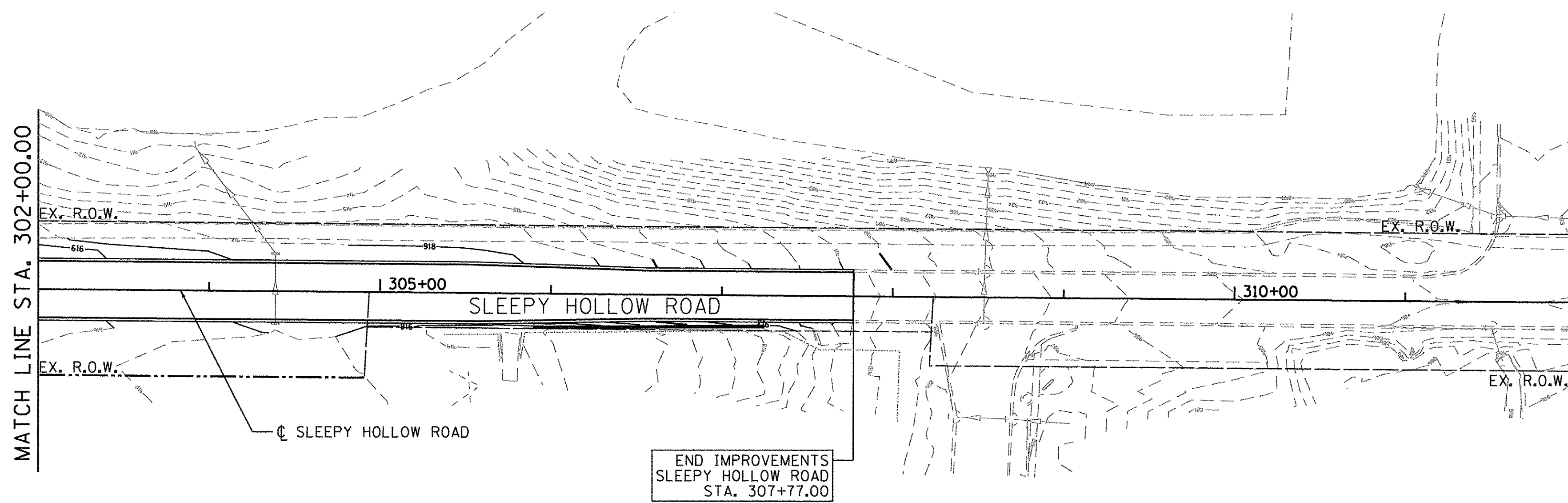
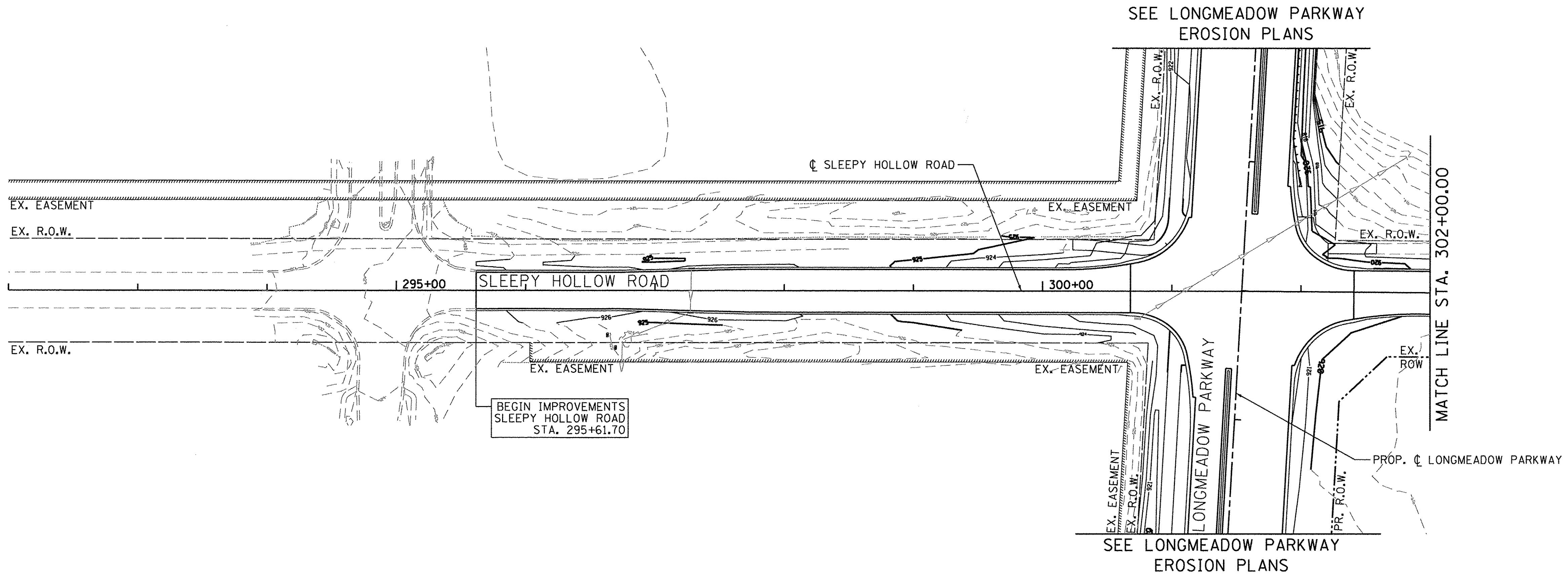
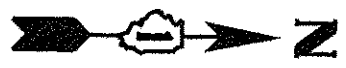
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PLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
 GRADING PLAN**

SCALE: 1"=50' SHEET 270 OF 477 SHEETS STA. 2131+00.00 TO STA. 2146+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	270
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



FILE NAME = W:\B94-010 KDOT LMP Section B\CADD SHEETS\Section B\A\20131894.SHT_GRADING_09.dgn



USER NAME = gellwenger	DESIGNED - GJE	REVISED -
PLOT SCALE = 50,0000' / 1"	DRAWN - GJE	REVISED -
PLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SLEEPY HOLLOW ROAD
GRADING PLAN**

SCALE: 1"=50' SHEET 271 OF 477 SHEETS STA. 295+61.70 TO STA. 307+77.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	271
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING NOTES

1. PAVEMENT MARKING SHALL BE IN CONFORMANCE WITH THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, STANDARD DETAIL 780001, DISTRICT ONE STANDARDS, THE PLAN DETAILS AND THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
2. ALL FINAL PAVEMENT MARKING MATERIALS TO BE USED ON CONCRETE PAVEMENT SHALL BE MODIFIED URETHANE AS SPECIFIED IN THE PROJECT SPECIAL PROVISIONS.
3. ALL FINAL PAVEMENT MARKING SYMBOLS SHALL BE OF LARGE SIZE.
4. ALL 4" EDGE LINES SHALL TERMINATE WHEN THEY MEET BARRIER CURBING EXCEPT WHERE OTHERWISE INDICATED IN THE PLANS.
5. STOP BARS SHALL BE PLACED 4' BEHIND CROSSWALK LINES AS SHOWN.
6. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES SUCH THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

SIGNING NOTES

1. ALL SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. SIGN FACES SHALL BE OF TYPE A REFLECTIVE SHEETING.
2. SIGN LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND FINAL LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
3. PROPOSED SIGNS SHALL BE OF THE SIZE AND TYPE SPECIFIED AND ALL SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORT(S) OR METAL POSTS CONFORMING TO THE STANDARD SIGN PANEL ERECTION DETAILS. ALL SIGNS LOCATED IN CONCRETE OR LANDSCAPED MEDIANS SHALL BE ERECTED ON TELESCOPING STEEL SIGN SUPPORTS. ALL OTHER SIGNS SHALL BE ERECTED ON METAL POSTS.
4. ALL SIGNS ERECTED IN PAVED MEDIANS SHALL HAVE A SLEEVE PLACED IN THE SURFACE AS SHOWN IN THE SIGN PANEL ERECTION STANDARD FOR TELESCOPING STEEL POST ASSEMBLY, PAVEMENT MOUNTING DETAIL.
5. EXISTING SIGNS SHALL BE RELOCATED PER THE ENGINEER'S DIRECTION, AT NO ADDITIONAL COST TO THE CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND STORING THE SIGNS AND POSTS AND REINSTALLING THEM IN GOOD CONDITION. PROPOSED SIGNS SHOWN ARE THOSE REQUIRED IN ADDITION TO THE EXISTING SIGNS OR SIGNS PROVIDED BY IDOT.
6. ALL REMOVED SIGNS WILL BE RETURNED TO THE COUNTY (RANDALL ROAD), OR VILLAGE OF ALGONQUIN (LONGMEADOW PARKWAY, SLEEPY HOLLOW ROAD) AS APPLICABLE TO THE FOLLOWING ADDRESSES:

VILLAGE OF ALGONQUIN	KANE COUNTY DIV. OF TRANS.
PUBLIC WORKS DEPARTMENT	41W011 BURLINGTON RD.
110 MEYER DRIVE	CAMPTON HILLS, IL 60175
ALGONQUIN, IL 60102	

7. STREET SIGNS ATTACHED TO LIGHT POLES TO BE RELOCATED ON NEW FOUNDATION SHALL BE RELOCATED WITH THE LIGHT POLE.

FILE NAME : W:\894-010 KDOT LMP Section B\CADD SHEETS\Section B1\20131814_SHT_PMK_GENNOTES.dgn



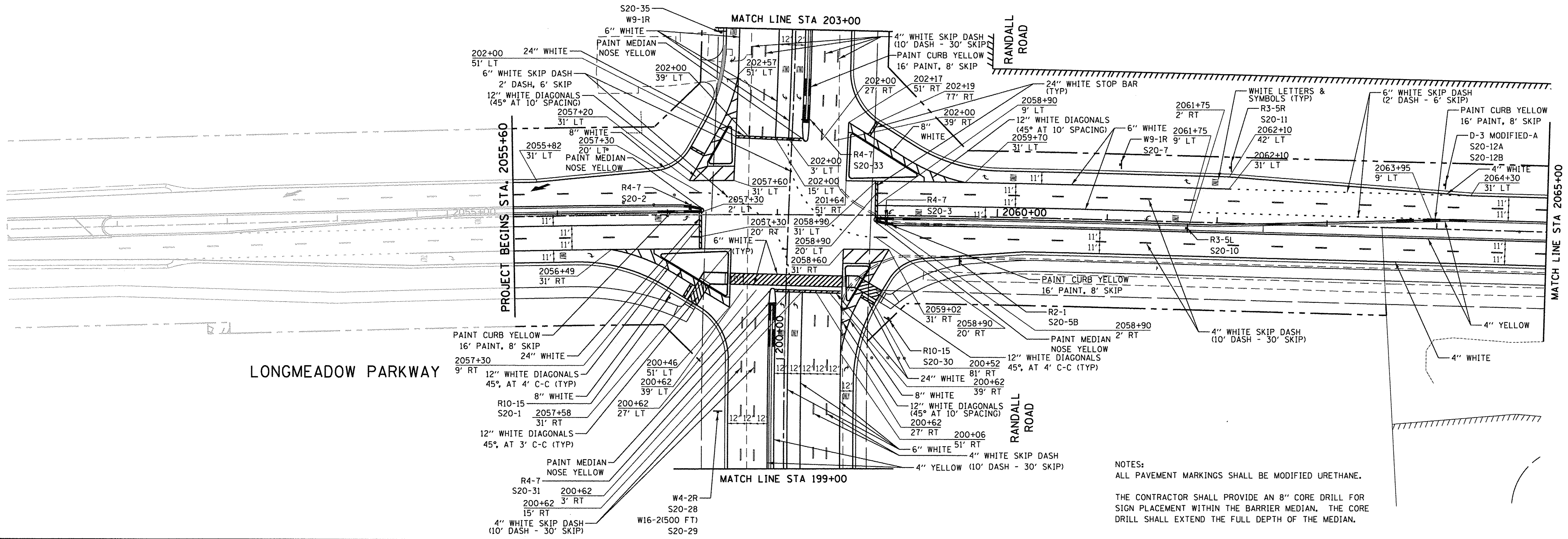
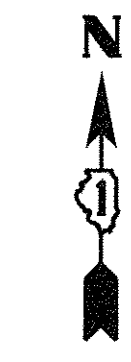
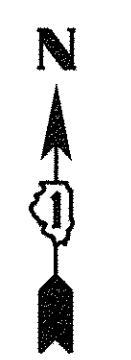
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	DRAWN - GJE	REVISED -
PLOT SCALE = 50,0000 ' / in.	CHECKED - DBB	REVISED -
PLOT DATE = 10/27/2016	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING
GENERAL NOTES**

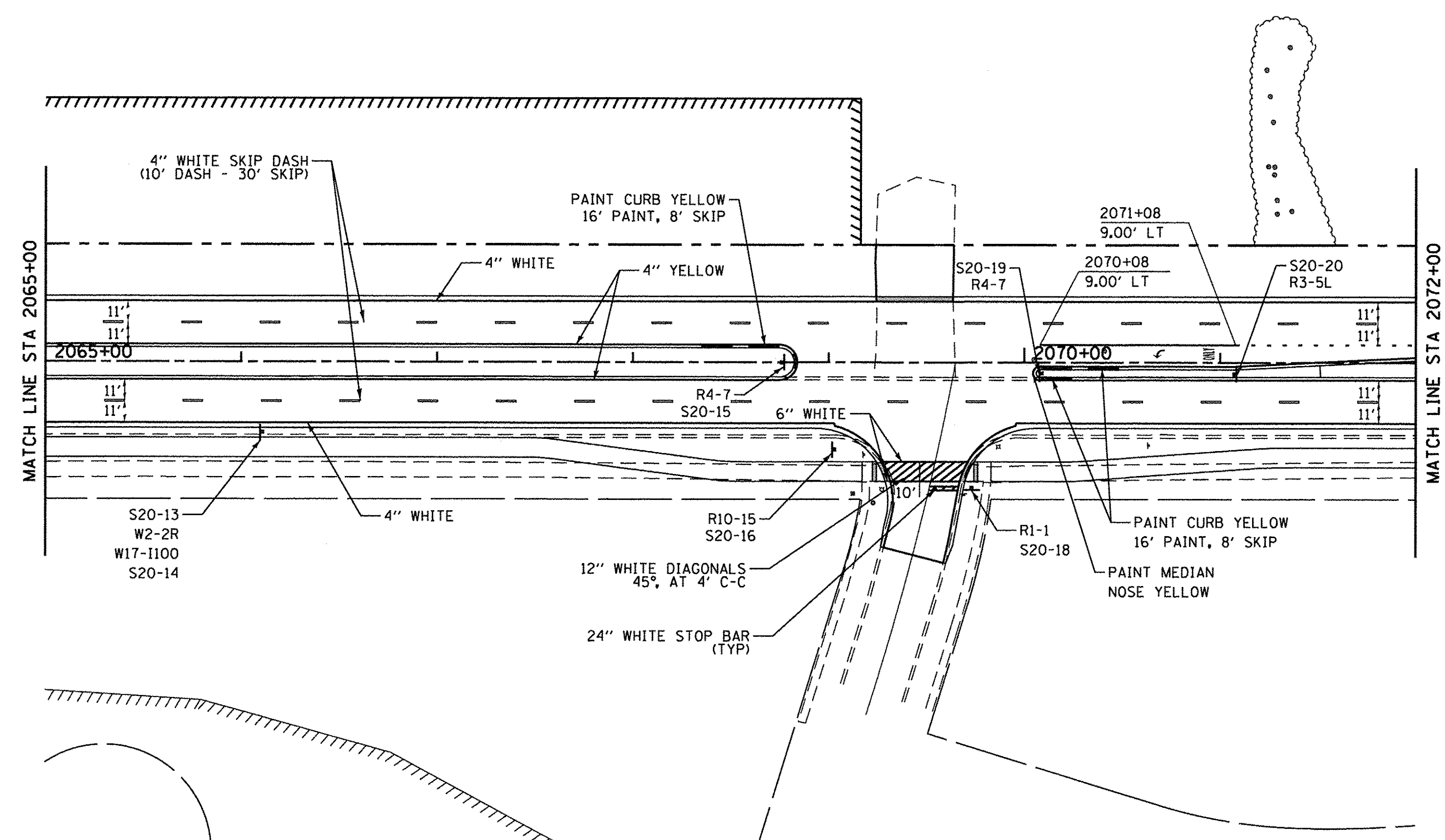
SCALE: 1"=20' SHEET 272 OF 477 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	272
CONTRACT NO. 61C41			ILLINOIS FED. AID PROJECT	



LONGMEADOW PARKWAY

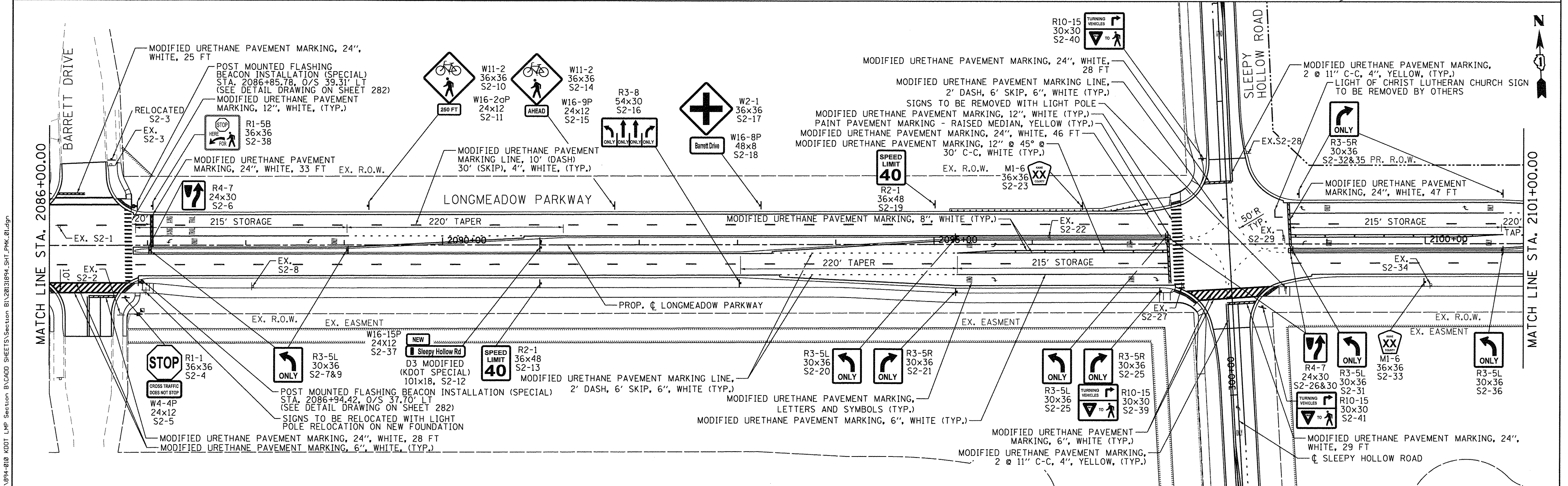
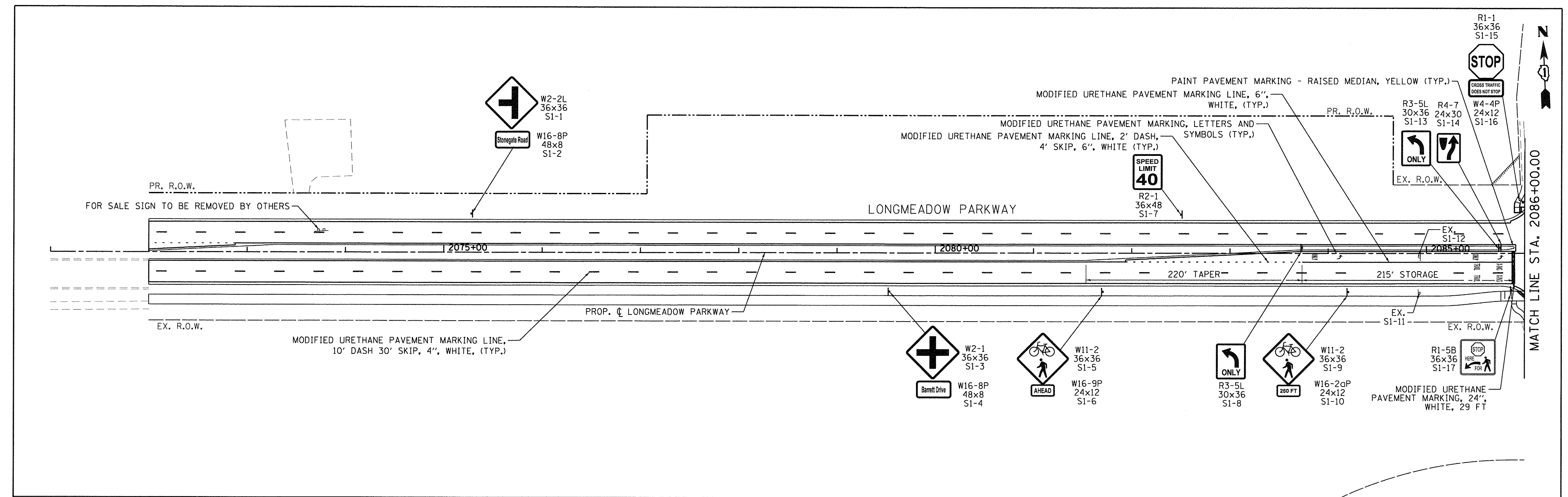
NOTES:
 ALL PAVEMENT MARKINGS SHALL BE MODIFIED URETHANE.
 THE CONTRACTOR SHALL PROVIDE AN 8" CORE DRILL FOR SIGN PLACEMENT WITHIN THE BARRIER MEDIAN. THE CORE DRILL SHALL EXTEND THE FULL DEPTH OF THE MEDIAN.



LEGEND
 + PROPOSED SIGN
 X EXISTING SIGN TO BE REMOVED

NOTES:
 ALL PAVEMENT MARKINGS SHALL BE MODIFIED URETHANE.
 THE CONTRACTOR SHALL PROVIDE AN 8" CORE DRILL FOR SIGN PLACEMENT WITHIN THE BARRIER MEDIAN. THE CORE DRILL SHALL EXTEND THE FULL DEPTH OF THE MEDIAN.

	USER NAME = HLR PowerGEOPAK	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN LONGMEADOW PARKWAY	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / 1" =	DRAWN -	REVISED -			2298	13-00215-10-PV	KANE	477	273
PLOT DATE = 10/26/2016	CHECKED -	REVISED -	REVISED -	SCALE: 1"=50'		SHEET OF SHEETS		STA.	TO STA.	
DATE = 10/25/2016	DATE = 10/25/2016	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT		CONTRACT NO. 61C41		



Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
PLLOT SCALE = 50,0000' / in.	DRAWN - GJE	REVISED -
PLLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

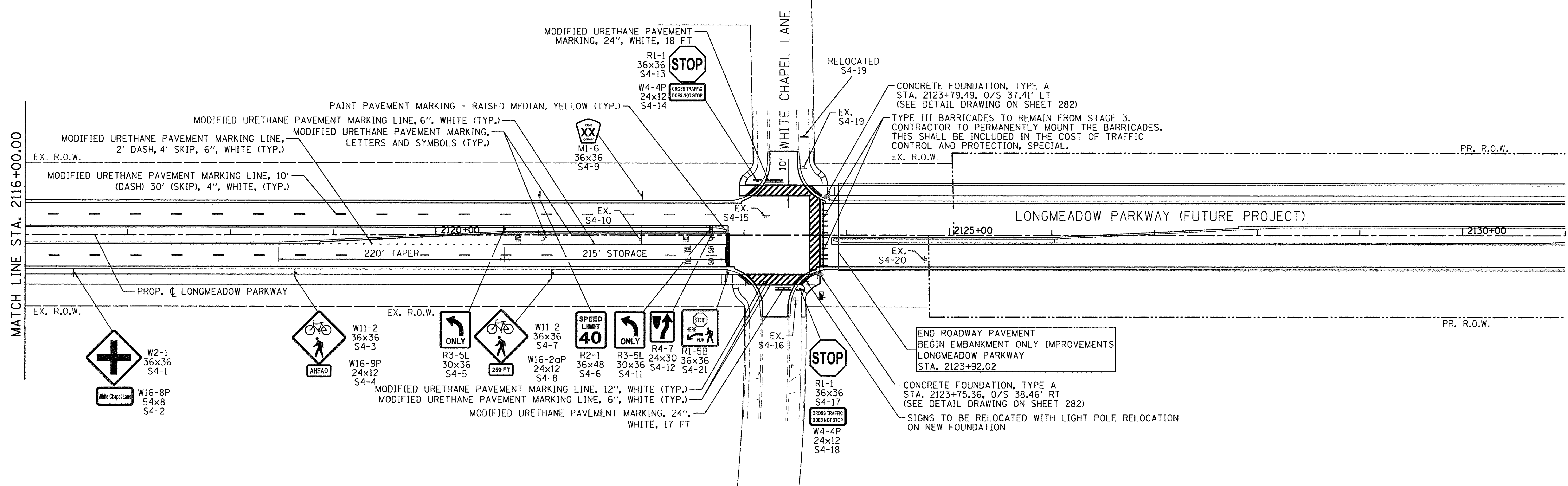
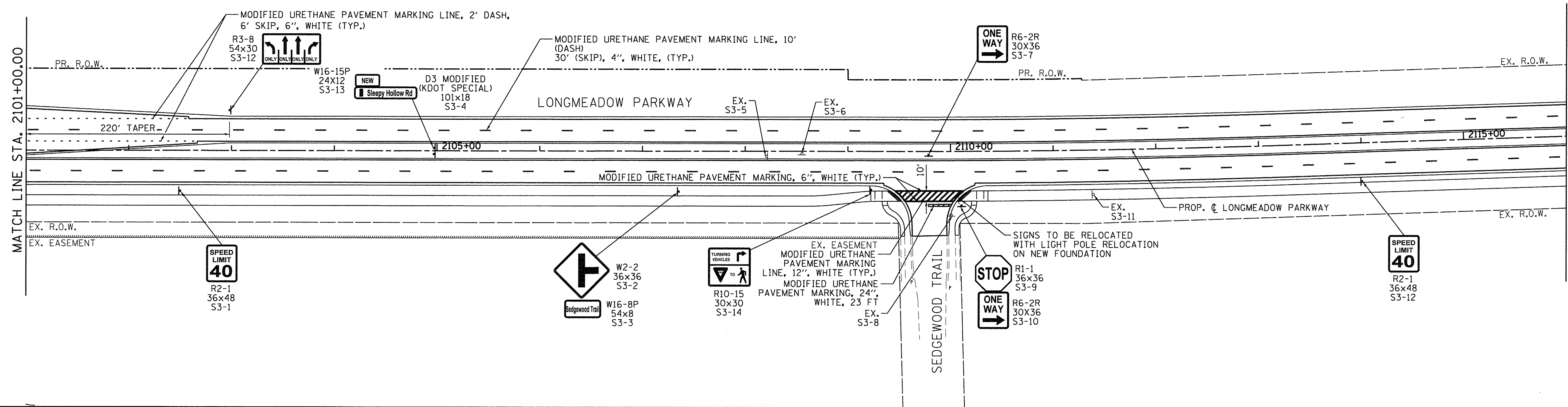
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND SIGNING PLAN
LONGMEADOW PARKWAY**

SCALE: 1"=50' SHEET 274 OF 477 SHEETS STA. 2072+00.00 TO STA. 2101+00.00

F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 274
CONTRACT NO. 61C41				ILLINOIS FED. AID PROJECT

FILE NAME = W:\B94-910 KDOT LMP Section B\CADD SHEETS\Section B\2013\B94_SHT_PMK.dwg



FILE NAME = W:\894-010 KDOT LMP Section B\CADD SHEETS\Section B\120131894_SHT_PMK_02.dgn

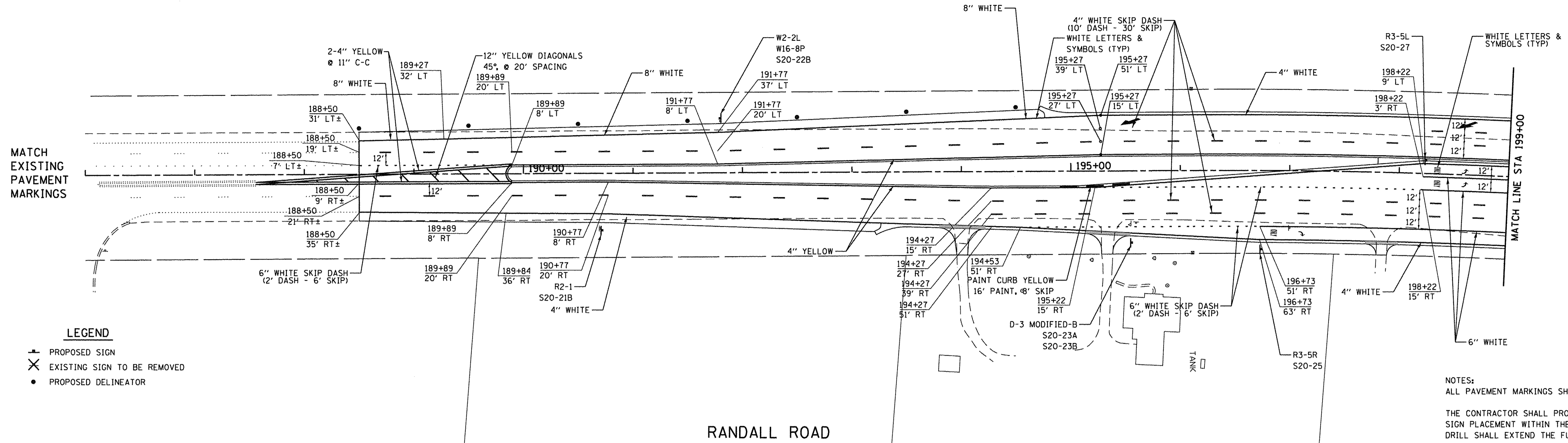
Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger	DESIGNED - GJE	REVISED -
PLLOT SCALE = 50,0000 ' / in.	DRAWN - GJE	REVISED -
PLLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN LONGMEADOW PARKWAY	
SCALE: 1"=50'	SHEET 275 OF 477 SHEETS STA. 2101+00.00 TO STA. 2131+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	275
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



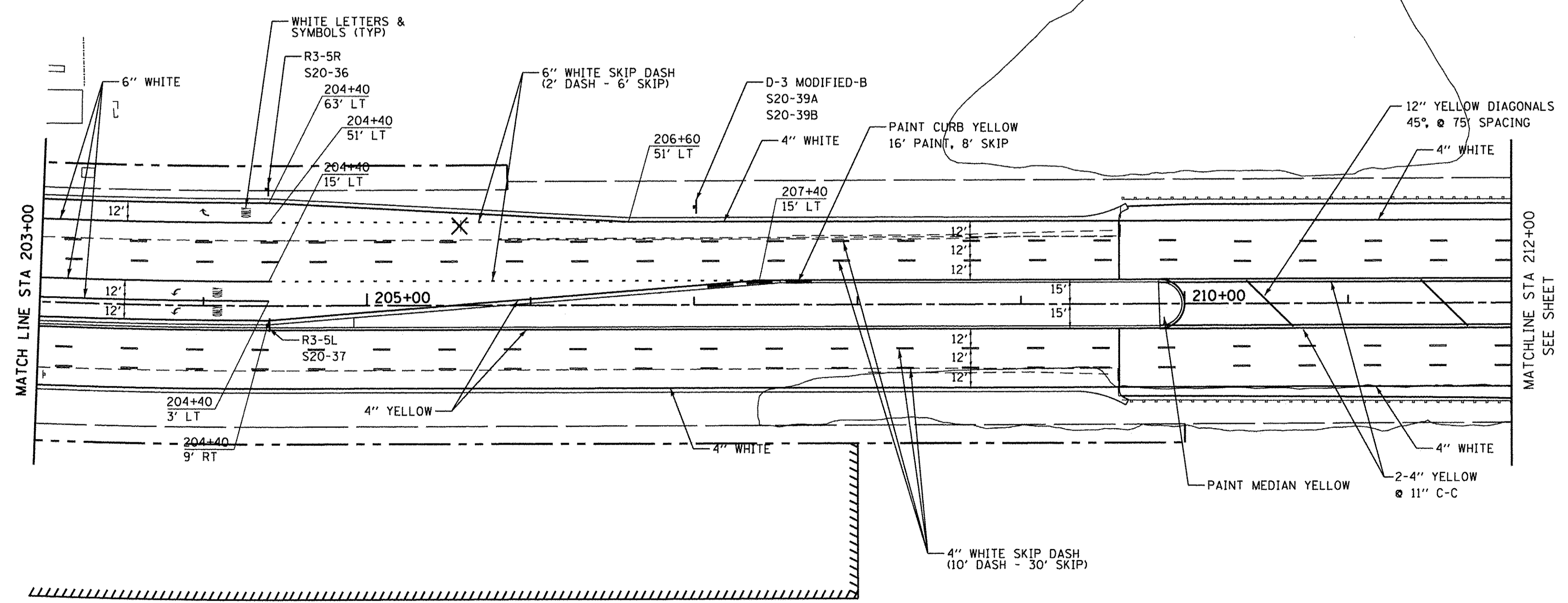
MATCH EXISTING PAVEMENT MARKINGS

MATCH LINE STA 199+00

- LEGEND**
- ⊕ PROPOSED SIGN
 - ⊗ EXISTING SIGN TO BE REMOVED
 - PROPOSED DELINEATOR

NOTES:
 ALL PAVEMENT MARKINGS SHALL BE MODIFIED URETHANE.
 THE CONTRACTOR SHALL PROVIDE AN 8" CORE DRILL FOR SIGN PLACEMENT WITHIN THE BARRIER MEDIAN. THE CORE DRILL SHALL EXTEND THE FULL DEPTH OF THE MEDIAN.

RANDALL ROAD

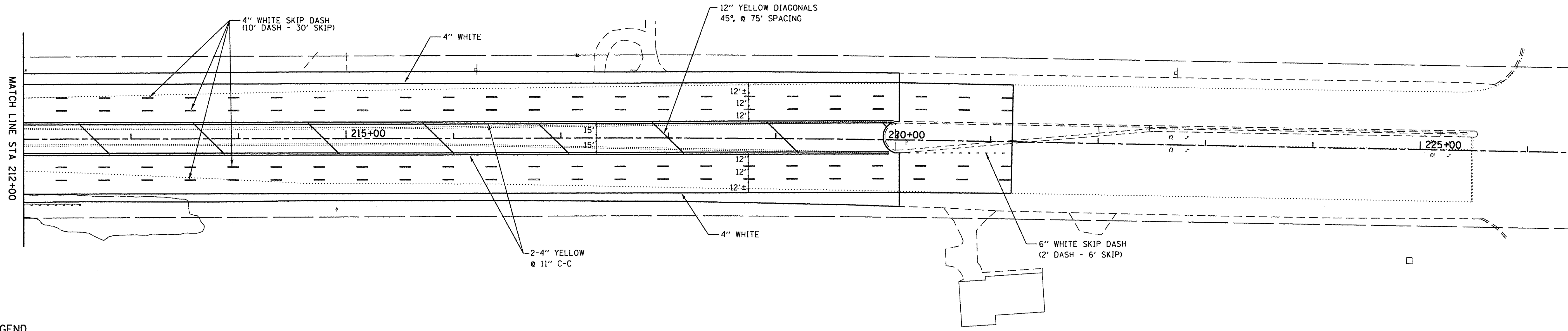


MATCH LINE STA 203+00

MATCHLINE STA 212+00
SEE SHEET

RANDALL ROAD

	USER NAME = HLR PowerGEOPAK	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN RANDALL ROAD			F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 276	
	PLOT SCALE = 50,0000 1" / in.	DRAWN -	REVISED -					SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 61C41 ILLINOIS FED. AID PROJECT		
	PLOT DATE = 10/26/2016	CHECKED -	REVISED -										
	DATE = 10/25/2016	REVISED -	REVISED -										



LEGEND
 + PROPOSED SIGN
 X EXISTING SIGN TO BE REMOVED

NOTES:
 ALL PAVEMENT MARKINGS SHALL BE MODIFIED URETHANE.
 THE CONTRACTOR SHALL PROVIDE AN 8" CORE DRILL FOR SIGN PLACEMENT WITHIN THE BARRIER MEDIAN. THE CORE DRILL SHALL EXTEND THE FULL DEPTH OF THE MEDIAN.

RANDALL ROAD

SIGN	TYPE	SIZE	QUANTITY
	R1-1	36x36	1 EA
	R3-5L	30x36	5 EA
	R3-5R	30x36	4 EA
	R4-7	24x30	6 EA
	R10-15	30x30	3 EA

SIGN	TYPE	SIZE	QUANTITY
	W2-2R	36x36	1 EA
	W16-8P	24x12	1 EA
	W4-2R	36x36	1 EA
	W16-2	24x18	1 EA
	W9-1R	36x36	2 EA
	W16-15P	24x12	3 EA
	D-3 MODIFIED-A	48x24	1 EA
	D-3 MODIFIED-B	60x24	2 EA



USER NAME = HLR Power-GEOPAK	DESIGNED -	REVISED -
PLOT SCALE = 50,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/26/2016	CHECKED -	REVISED -
	DATE = 10/25/2016	REVISED -

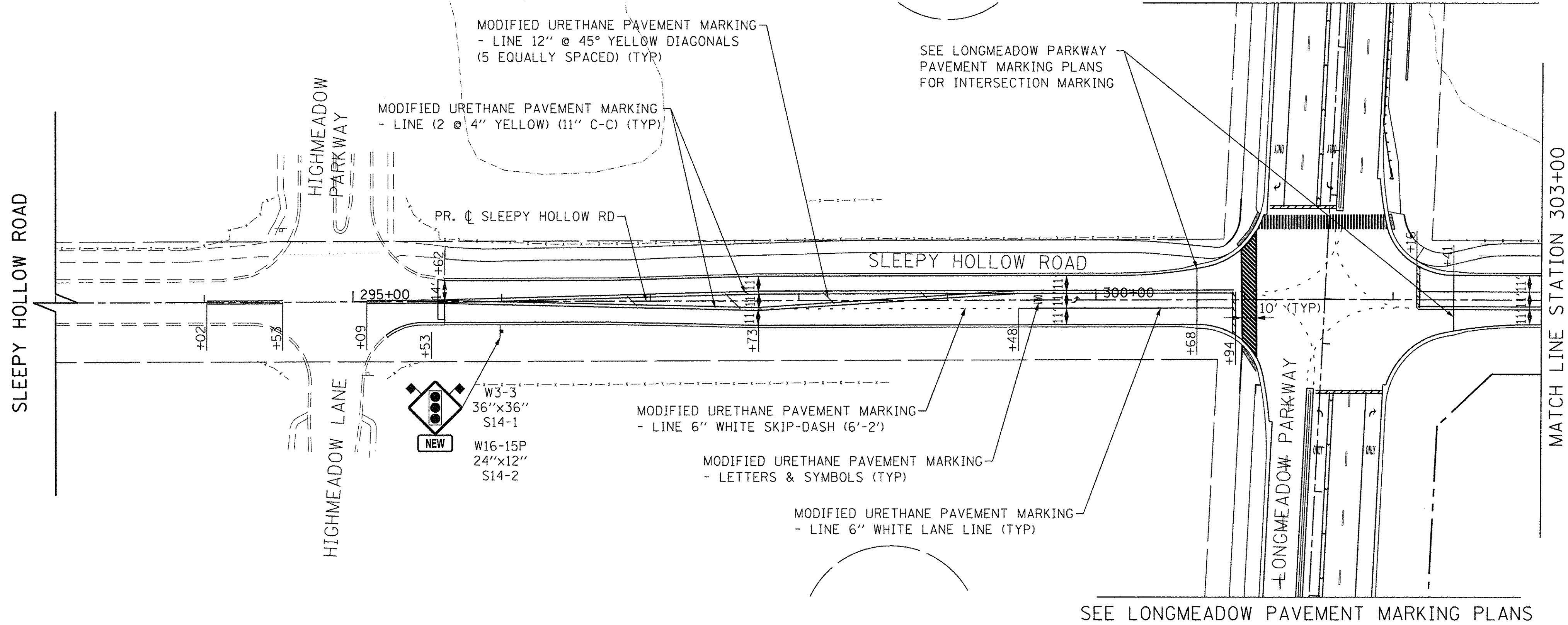
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNING PLAN RANDALL ROAD			
SCALE: 1"=50'	SHEET	OF SHEETS	STA. TO STA.

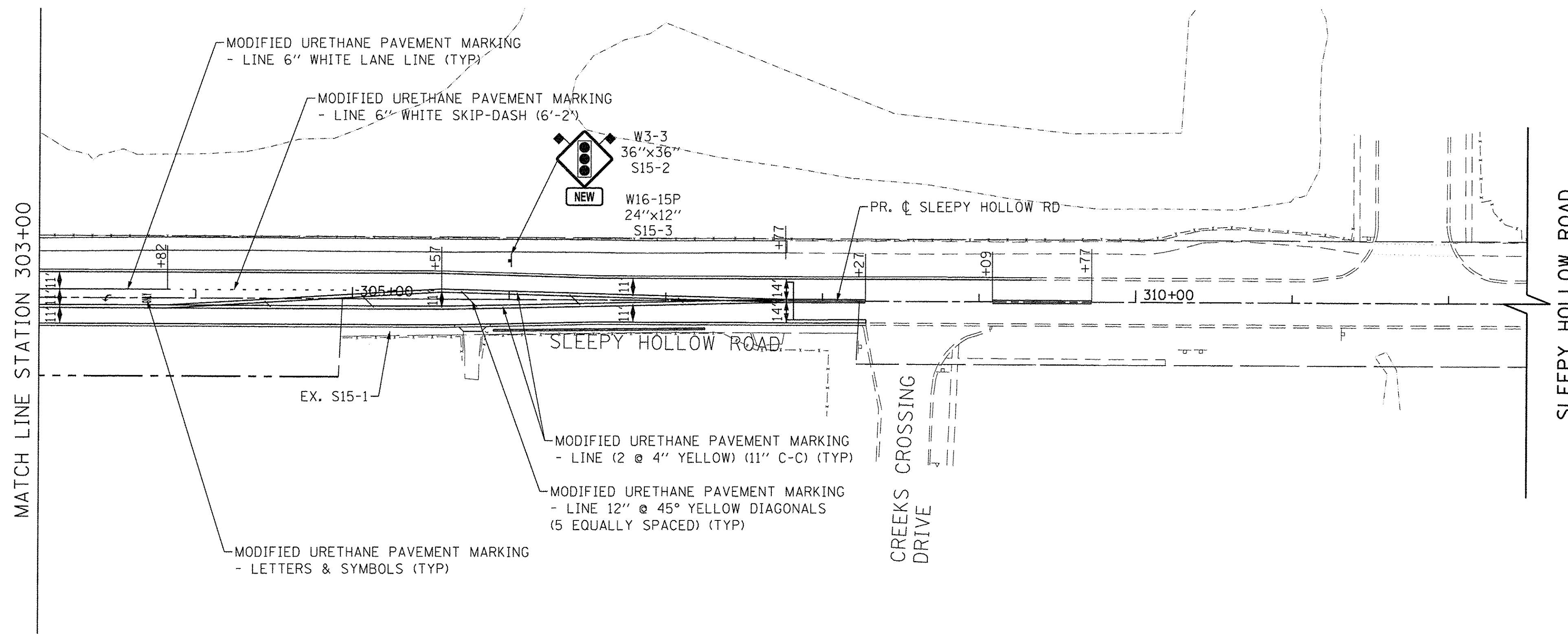
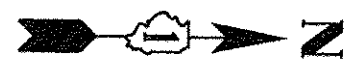
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	277
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



SEE LONGMEADOW PAVEMENT MARKING PLANS



SEE LONGMEADOW PAVEMENT MARKING PLANS



LEGEND

⊥	PROPOSED SIGN
⊗	PROPOSED GUIDE SIGN
S10-1	SIGN DESIGNATION, SEE SIGN SCHEDULE, SHEET 279 TO 281.
◆	STANDARD ORANGE FLAG, COST IS INCLUDED IN THE COST OF THE SIGN PANEL.
◀	ONE-WAY AMBER MARKER
◆	TWO-WAY AMBER MARKER
◀	ONE-WAY CRYSTAL MARKER

NOTES:

1. FOR ADDITIONAL DETAILS SEE DISTRICT ONE DETAILS TYPICAL PAVEMENT MARKINGS TC-13.
2. REMOVE ALL CONFLICTING PAVEMENT MARKINGS.
3. A MINIMUM DISTANCE OF 4 FEET SHALL BE MAINTAINED BETWEEN THE EDGE OF A 6" CROSSWALK LINE AND THE EDGE OF A 24" STOP BAR.
4. FOR STATION, OFFSET, AND SIZE DETAILS, SEE SIGN SCHEDULES, SHEETS 279 TO 281.

FILE NAME = G:\CH\13\010\Road\Sheets\2013\894-SHT-PWK-01.dgn



USER NAME = bshoeffliger	DESIGNED - BSH	REVISED -
PLOT SCALE = 50.0000' / 1" =	DRAWN - MLB	REVISED -
PLOT DATE = 10/27/2016	CHECKED - MFD	REVISED -
	DATE - 10/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN.
SLEEPY HOLLOW ROAD

SCALE: 1" = 50' SHEET NO278 OF 477 SHEETS STA. 292+00 TO STA. 314+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	13-00215-10-PV	KANE	477	278
CONTRACT NO. 61C41				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGN NUMBER	MUTCD CODE	PANEL DESCRIPTION	SIGN SUPPORT	ACTION	EXISTING WIDTH (IN)	EXISTING HEIGHT (IN)	REMOVE SIGN PANEL ASSEMBLY		RELOCATE SIGN PANEL ASSEMBLY		PROPOSED STATION	PROPOSED OFFSET	PROPOSED WIDTH (IN)	PROPOSED HEIGHT (IN)	SIGN PANEL (SO FT)		TELESCOPING SIGN SUPPORT (FT)
							TYPE A (EA)	TYPE B (EA)	TYPE A (EA)	TYPE B (EA)					TYPE 1	TYPE 2	
LONGMEADOW PARKWAY																	
S20-1	R10-15	TURNING VEHICLES YIELD TO	POST MOUNTED(GROUND)	PROPOSED SIGN							2057+00	80 RT	30	30	6.25		14.5
S20-2	R4-7	KEEP RIGHT	POST MOUNTED(MEDIAN)	PROPOSED SIGN							2057+20	5.5 LT	24	30	5.00		14.5
S20-3	R4-7	KEEP RIGHT	POST MOUNTED(MEDIAN)	PROPOSED SIGN							2059+00	5.5 RT	24	30	5.00		14.5
S20-4	R1-1	STOP	POST MOUNTED(GROUND)	TO BE REMOVED	30	30	1.00				2059+00	RT					
S20-5A	R2-1	SPEED LIMIT 30	POST MOUNTED(GROUND)	TO BE REMOVED	24	30	1.00				2059+70	RT					
S20-5B	R2-1	SPEED LIMIT 30	POST MOUNTED (GROUND)	PROPOSED SIGN							2059+70	RT	36	48		12	16
S20-6	N/A	WEIGHT LIMIT/NO THRU TRUCKS	POST MOUNTED(GROUND)	TO BE RELOCATED	24	30			1.00		2060+60	RT					
S20-7	W9-1R	RIGHT LANE ENDS	POST MOUNTED(GROUND)	PROPOSED SIGN							2061+10	50 LT	36	36	9.00		32.4
S20-8	W3-1	STOP AHEAD	POST MOUNTED(GROUND)	TO BE REMOVED	30	30	1.00				2061+45	RT					
S20-9	N/A	WATER USAGE	POST MOUNTED(GROUND)	TO BE RELOCATED	24	30			1.00		2061+45	RT					
S20-10	R3-5L	MANDITORY MOVEMENT	POST MOUNTED(MEDIAN)	PROPOSED SIGN							2061+70	5.5 RT	30	36	7.50		30
S20-11	R3-5R	MANDITORY MOVEMENT	POST MOUNTED(GROUND)	PROPOSED SIGN							2062+10	50 LT	30	36	7.50		30
S20-12A	D-3 MOD	TRAFFIC SIGNAL RANDALL ROAD	POST MOUNTED(GROUND)	PROPOSED SIGN							2064+10	40 LT	48	24	8.00		30
S20-12B	W16-15P	NEW	POST MOUNTED(GROUND)	PROPOSED SIGN							2064+10	40 LT	24	12	2.00		30
S20-13	W2-2R	INTERSECTION WARNING	POST MOUNTED(GROUND)	PROPOSED SIGN							2066+10	35 RT	36	36	9.00		34
S20-14	W16-8P	STONEGATE ROAD	POST MOUNTED(GROUND)	PROPOSED SIGN							2066+10	35 RT	54	8	3.00		34
S20-15	R4-7	KEEP RIGHT	POST MOUNTED(GROUND)	PROPOSED SIGN							2068+80	CL	24	30	5.00		14.5
S20-16	R10-15	TURNING VEHICLES YIELD TO	POST MOUNTED(GROUND)	PROPOSED SIGN							2069+00	40 RT	30	30	6.25		14.5
S20-17	R1-1	STOP	POST MOUNTED(GROUND)	TO BE REMOVED	30	30	1.00				2069+70	RT					
S20-18	R1-1	STOP	POST MOUNTED(GROUND)	PROPOSED SIGN							2069+70	65 RT	36	36	9.00		32.4
S20-19	R4-7	KEEP RIGHT	POST MOUNTED(MEDIAN)	PROPOSED SIGN							2070+10	5.5 RT	24	30	5.00		14.5
S20-20	R3-5L	MANDITORY MOVEMENT	POST MOUNTED(GROUND)	PROPOSED SIGN							2071+10	5.5 RT	30	36	7.50		30
S1-1	W2-2L	INTERSECTION WARNING	POST MOUNTED (GROUND)	PROPOSED SIGN							2075+27.86	32.17 LT	36	36	9.00		15.7
S1-2	W16-8P	STONEGATE ROAD	POST MOUNTED (GROUND)	PROPOSED SIGN							2075+27.86	32.17 LT	48	8	2.67		15.7
S1-3	W2-1	INTERSECTION WARNING	POST MOUNTED (GROUND)	PROPOSED SIGN							2079+53.41	39.58 RT	36	36	9.00		15.7
S1-4	W16-8P	BARRET DRIVE	POST MOUNTED (GROUND)	PROPOSED SIGN							2079+53.41	39.58 RT	48	8	2.67		15.7
S1-5	W11-2	PED/BICYCLE CROSSING	POST MOUNTED (GROUND)	PROPOSED SIGN							2081+70.52	39.58 RT	36	36	9.00		16.0
S1-6	W16-9P	AHEAD	POST MOUNTED (GROUND)	PROPOSED SIGN							2081+70.52	39.58 RT	24	12	2.00		16.0
S1-7	R2-1	SPEED LIMIT 40	POST MOUNTED (GROUND)	PROPOSED SIGN							2082+50.00	39.58 LT	36	48		12.00	16.0
S1-8	R3-5L	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN							2082+73.43	5.50 LT	30	36	7.50		15.0
S1-9	W11-2	PED/BICYCLE CROSSING	POST MOUNTED (GROUND)	PROPOSED SIGN							2084+20.52	39.58 LT	36	36	9.00		16.0
S1-10	W16-2αP	250 FT	POST MOUNTED (GROUND)	PROPOSED SIGN							2084+20.52	39.58 LT	24	12	2.00		16.0
S1-11	R2-1	SPEED LIMIT 30	POST MOUNTED (GROUND)	TO BE REMOVED	24	30	1.00				2084+92.71	40.68 LT					
S1-12	R2-1	SPEED LIMIT 30	POST MOUNTED (GROUND)	TO BE REMOVED	24	30	1.00				2084+92.75	3.59 LT					
S1-13	R3-5L	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN							2085+74.81	5.62 LT	30	36	7.50		17.5
S1-14	R4-7	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN							2085+74.81	5.62 LT	24	30	5.00		17.5
S1-15	R1-1	STOP	POST MOUNTED (GROUND)	PROPOSED SIGN							2085+98.20	52.00 LT	36	36	9.00		16.0
S1-16	W4-4P	CROSS TRAFFIC DOES NOT STOP	POST MOUNTED (GROUND)	PROPOSED SIGN							2085+98.20	52.00 LT	24	12	2.00		16.0
S1-17	R1-5B	STOP FOR PEDS	POST MOUNTED (GROUND)	PROPOSED SIGN							2085+86.66	37.47 RT	36	36	9.00		13.0
S2-1	R1-1	STOP	POST MOUNTED (GROUND)	TO BE REMOVED	30	30	1.00				2086+10.08	19.26 LT					
S2-2	R1-1	STOP	POST MOUNTED (GROUND)	TO BE REMOVED	30	30	1.00				2086+72.92	70.14 RT					
S2-3	R2-1	SPEED LIMIT 25	POST MOUNTED (GROUND)	TO BE RELOCATED	24	30			1.00		2086+63.35	87.45 LT					16.5
S2-3	W9-12	SLOW CHILDREN AT PLAY	POST MOUNTED (GROUND)	TO BE RELOCATED	18	24			1.00		2086+63.35	87.45 LT					16.5
S2-4	R1-1	STOP	POST MOUNTED (GROUND)	PROPOSED SIGN							2086+77.65	52.58 RT	36	36	9.00		16.0
S2-5	W4-4P	CROSS TRAFFIC DOES NOT STOP	POST MOUNTED (GROUND)	PROPOSED SIGN							2086+77.65	52.58 RT	24	12	2.00		16.0
POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)			POST MOUNTED (GROUND)	PROPOSED SIGN							2086+85.78	39.31 LT					
POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)			POST MOUNTED (GROUND)	PROPOSED SIGN							2086+94.42	37.70 LT					
S2-6	R4-7	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN							2087+02.47	5.56 RT	24	30	5.00		17.5
S2-7	R3-5L	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN							2087+02.47	5.56 RT	30	36	7.50		17.5
S2-38	R1-5B	STOP FOR PEDS	POST MOUNTED (GROUND)	PROPOSED SIGN							2087+04.30	39.58 LT	36	36	9.00		13.0
S2-8	R2-1	SPEED LIMIT 30	POST MOUNTED (GROUND)	TO BE REMOVED	24	30	1.00				2088+06.86	42.00 RT					
S2-9	R3-5L	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN							2089+02.80	5.50 RT	30	36	7.50		15.0
S2-10	W11-2	PED/BICYCLE CROSSING	POST MOUNTED (GROUND)	PROPOSED SIGN							2089+23.94	39.58 LT	36	36	9.00		16.0
S2-11	W16-2αP	250 FT	POST MOUNTED (GROUND)	PROPOSED SIGN							2089+23.94	39.58 LT	24	12	2.00		16.0
S2-12	D3 MOD.	SLEEPY HOLLOW RD	POST MOUNTED (GROUND)	PROPOSED SIGN							2091+00.00	0.00 RT	101	18		12.63	29.0
S2-37	W16-15P	NEW	POST MOUNTED (GROUND)	PROPOSED SIGN							2091+00.00	0.00 RT	24	12	2.00		29.0
S2-13	R2-1	SPEED LIMIT 40	POST MOUNTED (GROUND)	PROPOSED SIGN							2091+00.00	39.58 RT	36	48		12.00	16.0
S2-14	W11-2	PED/BICYCLE CROSSING	POST MOUNTED (GROUND)	PROPOSED SIGN							2091+73.94	39.58 LT	36	36	9.00		16.0
S2-15	W16-9P	AHEAD	POST MOUNTED (GROUND)	PROPOSED SIGN							2091+73.94	39.58 LT	24	12	2.00		16.0
S2-16	R3-8	INTERSECTION LANE CONTROL	POST MOUNTED (GROUND)	PROPOSED SIGN							2093+02.96	39.58 RT	54	30		11.25	14.5
S2-17	W2-1	INTERSECTION WARNING	POST MOUNTED (GROUND)	PROPOSED SIGN							2093+22.80	39.58 LT	36	36	9.00		15.7
S2-18	W16-8P	BARRET DRIVE	POST MOUNTED (GROUND)	PROPOSED SIGN							2093+22.80	39.58 LT	48	8	2.67		15.7
S2-19	R2-1	SPEED LIMIT 40	POST MOUNTED (GROUND)	PROPOSED SIGN							2095+00.00	40.58 LT	36	48		12.00	16.0
S2-20	R3-5L	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN							2095+22.96	6.75 LT	30	36	7.50		15.0
S2-21	R3-5R	MANDITORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN							2095+22.96	48.50 RT	30	36	7.50		15.0
S2-22	R2-1	SPEED LIMIT 30	POST MOUNTED (GROUND)	TO BE REMOVED	24	30	1.00				2096+17.04	8.02 LT					

FILE NAME = W:\B94-610 KDOT LMP Section B\LOAD SHEETS\Section B1\20131894_SHT_PMK_SIGN_SCHEDULES.dgn



USER NAME = gellwanger	DESIGNED - GJE	REVISED -
PLLOT SCALE = 50.0000' / in.	DRAWN - GJE	REVISED -
PLLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN SCHEDULES

SCALE: SHEET 279 OF 477 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	279
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				

S2-23	M1-6	COUNTY ROUTE	POST MOUNTED (GROUND)	PROPOSED SIGN								2096+50.00	38.50 LT	36	36	9.00		15.0	
S2-24	R3-5R	MANDATORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN								2097+31.00	48.58 RT	30	36	7.50		15.0	
S2-25	R3-5L	MANDATORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN								2097+36.84	6.75 LT	30	36	7.50		17.5	
S2-26	R4-7	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN										24	30	5.00			
S2-39	R10-15	TURNING VEHICLES YIELD TO PEDESTRIAN	POST MOUNTED (GROUND)	PROPOSED SIGN								2097+31.00	48.58 RT	30	30	6.25		14.5	
S2-27	R1-1	STOP	POST MOUNTED (GROUND)	TO BE REMOVED	30	30	1.00					2097+53.13	43.10 RT						
S2-40	R10-15	TURNING VEHICLES YIELD TO PEDESTRIAN	POST MOUNTED (GROUND)	PROPOSED SIGN								2097+73.26	85.50 LT	30	30	6.25		14.5	
S2-28	W2-1	CAUTION INTERSECTION AHEAD	POST MOUNTED (GROUND)	TO BE REMOVED	42	42		1.00				2098+19.06	93.34 LT						
S2-41	R10-15	TURNING VEHICLES YIELD TO PEDESTRIAN	POST MOUNTED (GROUND)	PROPOSED SIGN								2098+34.25	64.20 RT	30	30	6.25		14.5	
S2-29	R1-1	STOP	POST MOUNTED (GROUND)	TO BE REMOVED	30	30	1.00					2098+55.87	4.58 LT						
S2-30	R4-7	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN								2098+64.27	6.66 RT	24	30	5.00		17.5	
S2-31	R3-5L	MANDATORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN								2098+70.52	50.50 LT	30	36	7.50		15.0	
S2-32	R3-5R	MANDATORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN								2100+00.00	39.58 RT	36	36	9.00		15.0	
S2-33	M1-6	COUNTY ROUTE	POST MOUNTED (GROUND)	PROPOSED SIGN								2100+05.80	41.92 RT						
S2-34	R2-1	SPEED LIMIT 30	POST MOUNTED (GROUND)	TO BE REMOVED	24	30	1.00					2100+78.19	50.50 LT	30	36	7.50		15.0	
S2-35	R3-5R	MANDATORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN								2100+78.04	6.75 RT	30	36	7.50		15.0	
S2-36	R3-5L	MANDATORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN								2102+50.00	39.58 RT	36	48		12.00	16.0	
S3-1	R2-1	SPEED LIMIT 40	POST MOUNTED (GROUND)	PROPOSED SIGN								2107+35.25	39.58 RT	36	36	9.00		15.7	
S3-2	W2-1	INTERSECTION WARNING	POST MOUNTED (GROUND)	PROPOSED SIGN										54	8	3.00			
S3-3	W16-8P	SEDGEWOOD TRAIL	POST MOUNTED (GROUND)	PROPOSED SIGN								2104+98.04	0.00 RT	101	18		12.63	29.0	
S3-4	D3 MOD.	SLEEPY HOLLOW RD	POST MOUNTED (GROUND)	PROPOSED SIGN										24	12	2.00			
S3-13	W16-15P	NEW	POST MOUNTED (GROUND)	PROPOSED SIGN															
S3-5	R2-1	SPEED LIMIT 30	POST MOUNTED (GROUND)	TO BE REMOVED	24	30	1.00					2108+20.74	5.17 RT						
S3-6	C-37	NO TRESPASSING	POST MOUNTED (GROUND)	TO BE REMOVED	18	12	1.00					2108+55.37	2.45 RT						
S3-14	R10-15	TURNING VEHICLES YIELD TO PEDESTRIAN	POST MOUNTED (GROUND)	PROPOSED SIGN								2109+22.77	37.58 RT	30	30	6.25		14.5	
S3-7	R6-2R	ONE WAY (RIGHT)	POST MOUNTED (GROUND)	PROPOSED SIGN								2109+78.67	3.42 RT	30	36	7.50		15.0	
S3-8	R1-1	STOP	POST MOUNTED (GROUND)	TO BE REMOVED	30	30	1.00					2110+00.48	62.06						
S3-9	R1-1	STOP	POST MOUNTED (GROUND)	PROPOSED SIGN								2110+10.68	52.59 RT	36	36	9.00		18.0	
S3-10	R6-2R	ONE WAY (RIGHT)	POST MOUNTED (GROUND)	PROPOSED SIGN										30	36	7.50			
S3-11	R2-1	SPEED LIMIT 30	POST MOUNTED (GROUND)	TO BE REMOVED	24	30	1.00					2111+38.32	43.29 RT						
S3-12	R2-1	SPEED LIMIT 40	POST MOUNTED (GROUND)	PROPOSED SIGN								2114+00.00	37.58 RT	36	48		12.00	16.0	
S4-1	W2-1	INTERSECTION WARNING	POST MOUNTED (GROUND)	PROPOSED SIGN								2116+48.13	37.58 RT	36	36	9.00		15.7	
S4-2	W16-8P	WHITE CHAPEL LANE	POST MOUNTED (GROUND)	PROPOSED SIGN										54	8	3.00			
S4-3	W11-2	PED/BICYCLE CROSSING	POST MOUNTED (GROUND)	PROPOSED SIGN								2118+63.87	37.58 RT	36	36	9.00		16.0	
S4-4	W16-9P	AHEAD	POST MOUNTED (GROUND)	PROPOSED SIGN										24	12	2.00			
S4-5	R3-5L	MANDATORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN								2120+66.97	5.50 LT	30	36	7.50		15.0	
S4-6	R2-1	SPEED LIMIT 40	POST MOUNTED (GROUND)	PROPOSED SIGN								2121+00.00	38.58 LT	36	48		12.00	16.0	
S4-7	W11-2	PED/BICYCLE CROSSING	POST MOUNTED (GROUND)	PROPOSED SIGN								2121+13.99	37.66 RT	36	36	9.00		16.0	
S4-8	W16-2aP	250 FT	POST MOUNTED (GROUND)	PROPOSED SIGN										24	12	2.00			
S4-9	M1-6	COUNTY ROUTE	POST MOUNTED (GROUND)	PROPOSED SIGN								2122+00.00	38.58 LT	36	36	9.00		15.0	
S4-10	R2-1	SPEED LIMIT 30	POST MOUNTED (GROUND)	TO BE REMOVED	24	30	1.00					2121+98.93	4.57 RT						
S4-11	R3-5L	MANDATORY MOVEMENT	POST MOUNTED (GROUND)	PROPOSED SIGN								2122+67.80	5.50 LT	30	36	7.50		17.5	
S4-12	R4-7	KEEP RIGHT	POST MOUNTED (GROUND)	PROPOSED SIGN										24	30	5.00			
S4-21	R1-5B	STOP FOR PEDS	POST MOUNTED (GROUND)	PROPOSED SIGN								2122+84.60	37.58 RT	36	36	9.00		13.0	
S4-13	R1-1	STOP	POST MOUNTED (GROUND)	PROPOSED SIGN								2123+13.01	52.58 LT	36	36	9.00		16.0	
S4-14	W4-4P	CROSS TRAFFIC DOES NOT STOP	POST MOUNTED (GROUND)	PROPOSED SIGN										24	12	2.00			
S4-15	R1-1	STOP	POST MOUNTED (GROUND)	TO BE REMOVED	30	30	1.00					2123+21.07	17.68 LT						
S4-16	R1-1	STOP	POST MOUNTED (GROUND)	TO BE REMOVED	30	30	1.00					2123+49.67	62.49 RT						
S4-17	R1-1	STOP	POST MOUNTED (GROUND)	PROPOSED SIGN								2123+55.07	52.58 RT	36	36	9.00		16.0	
S4-18	W4-4P	CROSS TRAFFIC DOES NOT STOP	POST MOUNTED (GROUND)	PROPOSED SIGN										24	12	2.00			
S4-19	R2-1	SPEED LIMIT 25	POST MOUNTED (GROUND)	TO BE RELOCATED	24	30													
	W9-12	SLOW CHILDREN AT PLAY	POST MOUNTED (GROUND)	TO BE RELOCATED	18	24		1.00				2123+57.28	96.79 LT					18.5	
		NEIGHBORHOOD WATCH	POST MOUNTED (GROUND)	TO BE RELOCATED	18	24													
		CONCRETE FOUNDATION, TYPE A	POST MOUNTED (GROUND)	PROPOSED SIGN								2123+75.36	38.46 RT						
		CONCRETE FOUNDATION, TYPE A	POST MOUNTED (GROUND)	PROPOSED SIGN								2123+79.49	37.41 RT						
S4-20	OM4-1	OBJECT MARKER - END OF ROADWAY	POST MOUNTED (GROUND)	TO BE REMOVED	12	12	1.00					2124+77.09	23.93 RT						
		NO DUMPING	POST MOUNTED (GROUND)	TO BE REMOVED	6	12													
				SUBTOTAL:			21	1	4	0							501	121	1161

FILE NAME = M:\894-018 KDOT LMP Section B\CADD SHEETS\Section B1\20131894_SHT_PWK_STON_SCHEDULES.dgn



USER NAME = gellwanger	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = 50.0000' / 1" =	CHECKED - DBB	REVISED -
PLOT DATE = 10/28/2016	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGN SCHEDULES

SCALE: SHEET 280 OF 477 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	280
			CONTRACT NO. 61C41	
ILLINOIS FED. AID PROJECT				

SIGN NUMBER	MUTCD CODE	PANEL DESCRIPTION	SIGN SUPPORT	ACTION	EXISTING WIDTH (IN)	EXISTING HEIGHT (IN)	REMOVE SIGN PANEL ASSEMBLY		RELOCATE SIGN PANEL ASSEMBLY		PROPOSED STATION	PROPOSED OFFSET	PROPOSED WIDTH (IN)	PROPOSED HEIGHT (IN)	SIGN PANEL (SQ FT)		TELESCOPING SIGN SUPPORT (FT)
							TYPE A	TYPE B	TYPE A	TYPE B					TYPE 1	TYPE 2	
SLEEPY HOLLOW ROAD																	
S14-1	W3-3	SIGNAL AHEAD	POST MOUNTED (GROUND)	PROPOSED SIGN							296+00	20' RT	36	36	9.00		12.5
S14-2	W16-15P	NEW	POST MOUNTED (GROUND)	PROPOSED SIGN							296+00	20' RT	24	12	2.00		
S15-1		HIDDEN INTERSECTION ON RIGHT	POST MOUNTED (GROUND)	TO BE REMOVED	36	36	1				305+25	25.0' RT					
S15-2	W3-3	SIGNAL AHEAD	POST MOUNTED (GROUND)	PROPOSED SIGN							306+00	25' LT	36	36	9.00		12.5
S15-3	W16-15P	NEW	POST MOUNTED (GROUND)	PROPOSED SIGN							306+00	25' LT	24	12	2.00		
SEE DETAIL		NATURAL RESOURCES SIGN	POST MOUNTED (GROUND)	PROPOSED SIGN							20 EA - VARIES		12	18	30.00		160
SEE TRAFFIC SIGNALS															58.00	74	185
SUBTOTAL:							1	0	0	0					110.00	74	185
SIGN NUMBER	MUTCD CODE	PANEL DESCRIPTION	SIGN SUPPORT	ACTION	EXISTING WIDTH (IN)	EXISTING HEIGHT (IN)	REMOVE SIGN PANEL ASSEMBLY		RELOCATE SIGN PANEL ASSEMBLY		PROPOSED STATION	PROPOSED OFFSET	PROPOSED WIDTH (IN)	PROPOSED HEIGHT (IN)	SIGN PANEL (SQ FT)		TELESCOPING SIGN SUPPORT (FT)
							TYPE A	TYPE B	TYPE A	TYPE B					TYPE 1	TYPE 2	
RANDALL ROAD																	
S20-21A	R2-1	SPEED LIMIT 50	POST MOUNTED(GROUND)	TO BE REMOVED	24	30	1.00				190+70	RT					
S20-21B	R2-1	SPEED LIMIT 50	POST MOUNTED (GROUND)	PROPOSED SIGN	36	48					190+70	RT	36	48		12	16
S20-22A	W2-2L	INTERSECTION WARNING	POST MOUNTED(GROUND)	TO BE REMOVED	30	30	1.00				191+80	LT					
	W16-8P	BROADSMORE DRIVE			24	12											
S20-22B	W2-2L	INTERSECTION WARNING	POST MOUNTED (GROUND)	PROPOSED SIGN							191+80	LT	36	36	9.00		34
	W16-8P	BROADSMORE DRIVE											54	8	3.00		
S20-23A	D-3 MOD	TRAFFIC SIGNAL LONGMEADOW PARKWAY	POST MOUNTED(GROUND)	PROPOSED SIGN							195+60	65 RT	60	24		10.00	30
S20-23B	W16-15P	NEW											24	12	2.00		
S20-24	N/A	RURAL ADDRESS	POST MOUNTED(GROUND)	TO BE RELOCATED	12	6			1.00		195+55	RT					
S20-25	R3-5R	MANDITORY MOVEMENT	POST MOUNTED(GROUND)	PROPOSED SIGN							195+75	70 RT	30	36	7.50		30
S20-26	W2-2R	INTERSECTION WARNING	POST MOUNTED(GROUND)	TO BE REMOVED	30	30	1.00				197+00	RT					
	W17-1100	LONGMEADOW PARKWAY			24	12											
S20-27	R3-5L	MANDITORY MOVEMENT	POST MOUNTED(GROUND)	PROPOSED SIGN							198+20	12 LT	30	36	7.50		30
S20-28	W4-2R	RIGHT LANE ENDS	POST MOUNTED(GROUND)	PROPOSED SIGN							199+50	60 LT	30	30	6.25		34
S20-29	W16-2	500 FEET	POST MOUNTED(GROUND)	PROPOSED SIGN									24	18	3.00		
S20-30	R10-15	TURNING VEHICLES YIELD TO	POST MOUNTED(GROUND)	PROPOSED SIGN							200+35	80 RT	30	30	6.25		14.5
S20-31	R4-7	KEEP RIGHT	POST MOUNTED(MEDIAN)	PROPOSED SIGN							200+50	12 LT	24	30	5.00		14.5
S20-32	N/A	RANDALL/LONGMEADOW STREET SIGN	POST MOUNTED(GROUND)	TO BE REMOVED	24	6	1.00				201+45	RT					
S20-33	R4-7	KEEP RIGHT	POST MOUNTED(MEDIAN)	PROPOSED SIGN							202+20	12 RT	24	30	5.00		14.5
S20-34	N/A	ADOPT A HIGHWAY/NAME/CLEANUP CREW	POST MOUNTED(GROUND)	TO BE RELOCATED	30	30			1.00		203+00	RT					
S20-35	W9-1R	RIGHT LANE ENDS	POST MOUNTED(GROUND)	PROPOSED SIGN							203+00	70 LT	36	36	9.00		32.4
S20-36	R3-5R	MANDITORY MOVEMENT	POST MOUNTED(GROUND)	PROPOSED SIGN							204+40	70 LT	30	36	7.50		30
S20-37	R3-5L	MANDITORY MOVEMENT	POST MOUNTED(MEDIAN)	PROPOSED SIGN							204+40	12 RT	30	36	7.50		30
S20-38	W2-2L	INTERSECTION WARNING	POST MOUNTED(GROUND)	TO BE REMOVED	30	30	1.00				205+60	LT					
	W17-1100	LONGMEADOW PARKWAY			24	12											
S20-39A	D-3 MOD	TRAFFIC SIGNAL LONGMEADOW PARKWAY	POST MOUNTED(GROUND)	PROPOSED SIGN							207+00	60 LT	60	24		10.00	30
S20-39B	W16-15P	NEW											24	12	2.00		
S20-40	N/A	MAST ARM STREET NAME SIGNS	MAST ARM MOUNTED ON TRAFFIC SIGNALS	PROPOSED SIGNS							N/A	N/A			60.00	68.00	
SUBTOTAL:							5	0	1	1					141	100	340
TOTAL:							27	1	5	1					752	295	1686

FILE NAME = W:\94-010\KDOT LRP Section\B\CADD SHEETS\Section B\2013094_SHT_PNK_SIGN_SCHEDULES.dgn



USER NAME = gellwenger
 DESIGNED - GJE
 DRAWN - GJE
 CHECKED - DBB
 DATE - 10/28/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

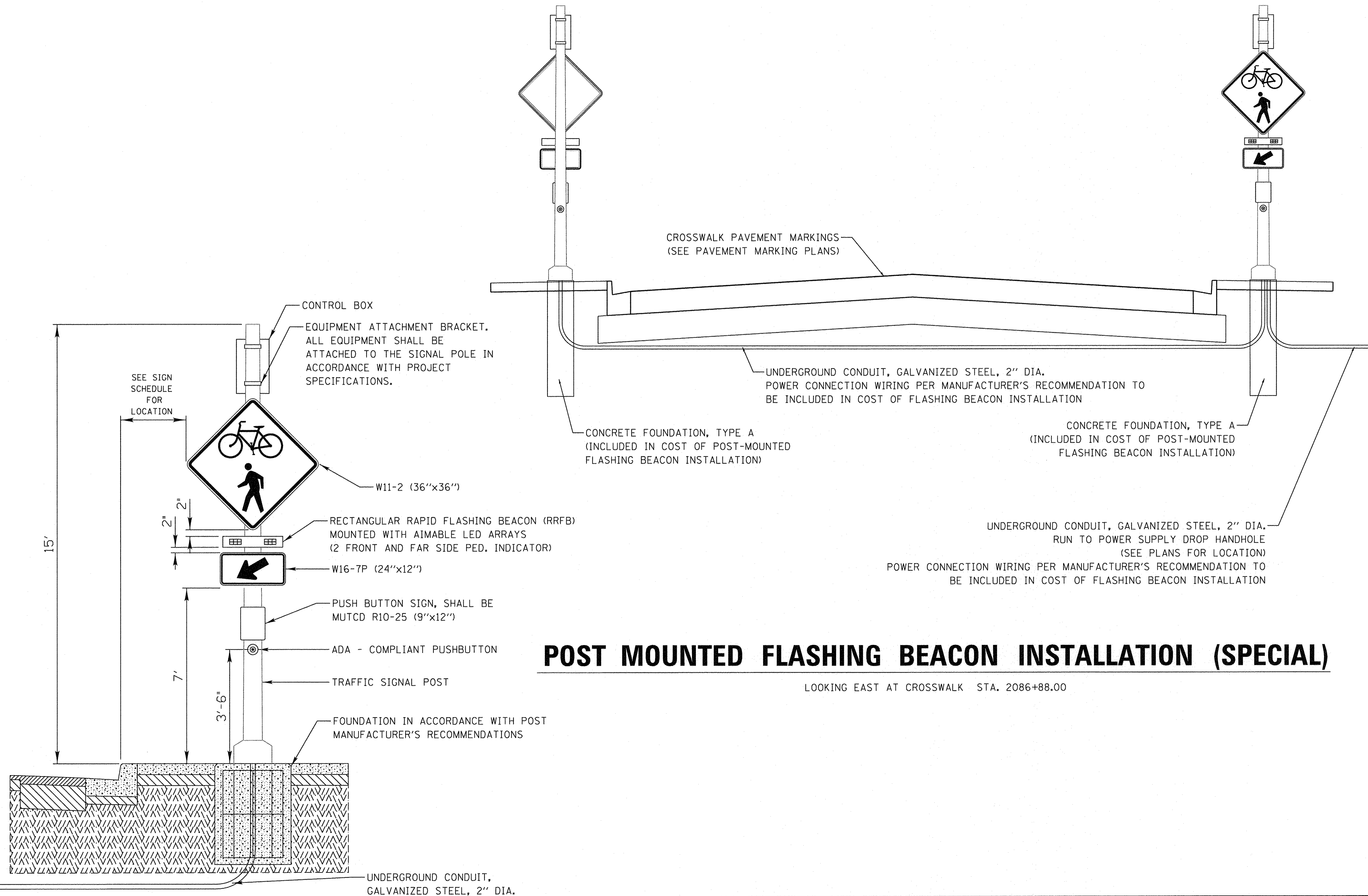
SIGN SCHEDULES

SCALE: SHEET 281 OF 477 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	281
CONTRACT NO. 61C41				

ILLINOIS FED. AID PROJECT

FILE NAME = W:\94-010 KDOT LMP Section B\CADD SHEETS\Section B\A\2013\894_SHT_PMK_Ped_Xing_Detail_01.dgn



POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)

LOOKING EAST AT CROSSWALK STA. 2086+88.00

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

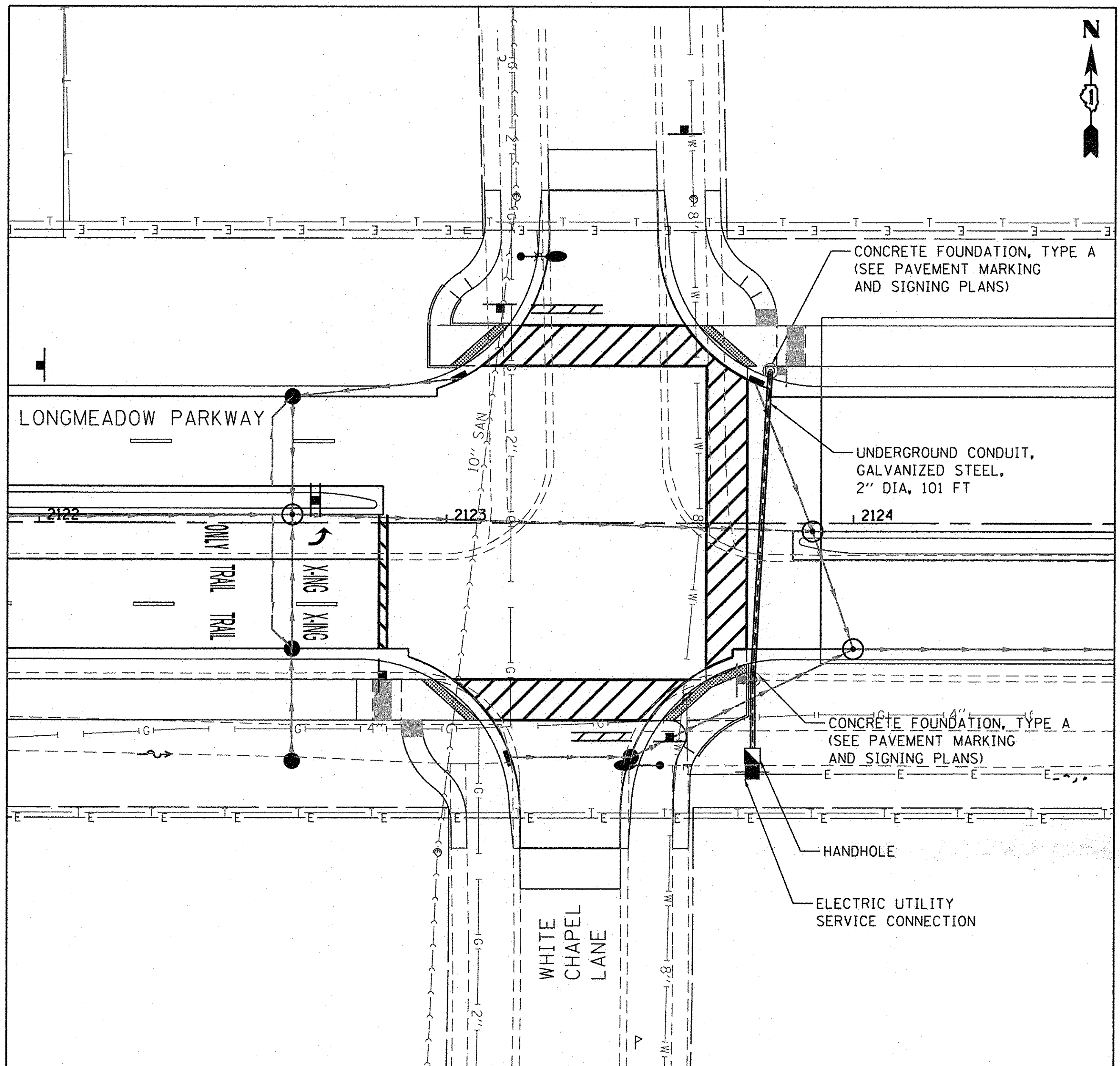
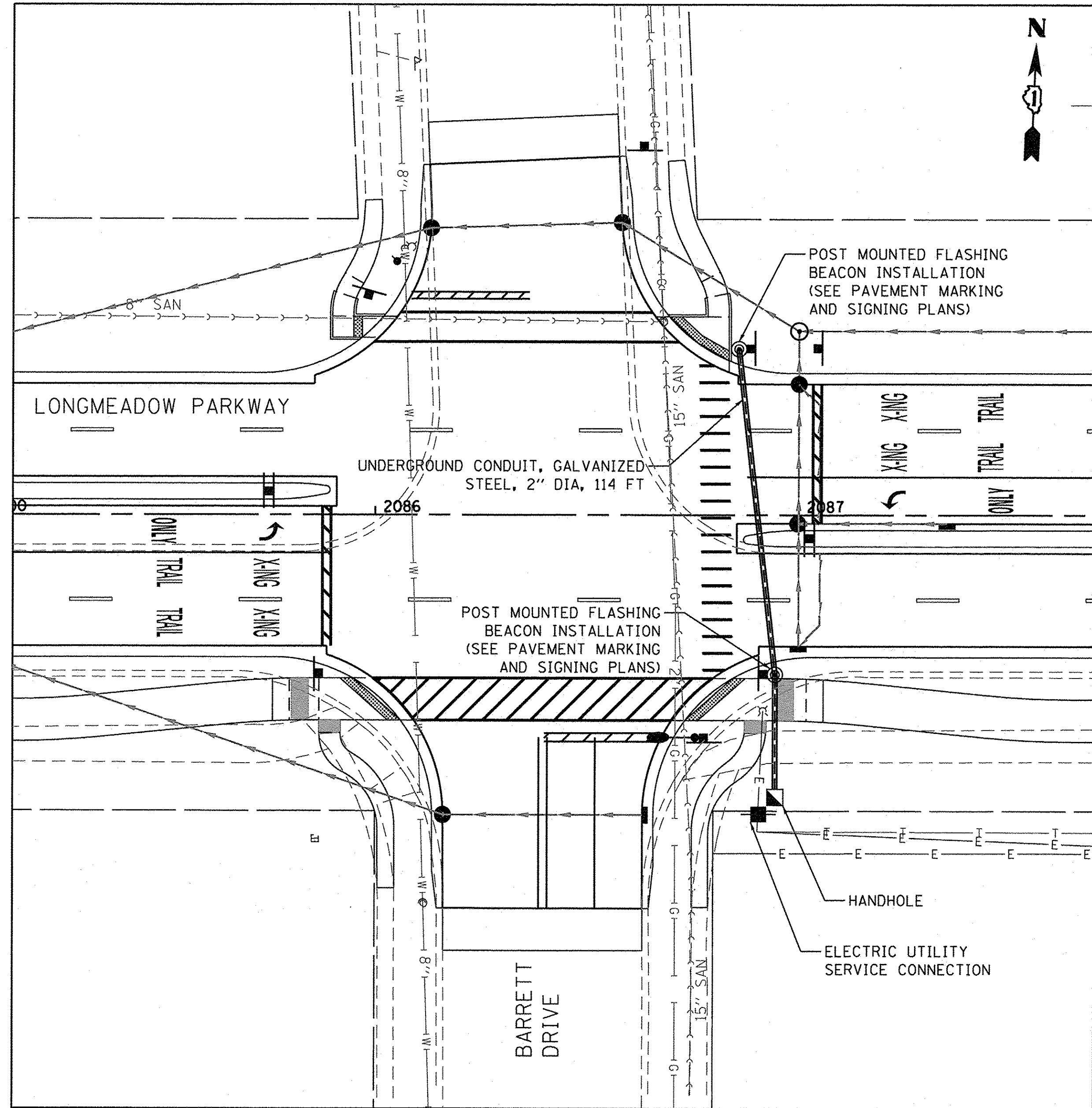
USER NAME = gellwenger	DESIGNED - GJE	REVISED -
PLOT SCALE = 10.0000' / 1"	DRAWN - GJE	REVISED -
PLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LONGMEADOW PARKWAY
POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL) DETAIL**

SCALE: NTS SHEET 282 OF 477 SHEETS STA. TO STA.

F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 282
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



FILE NAME = W:\994-010_KDOT_LMP_Section_B\CADD_SHEETS\Section_B\A\2013\894_SHT_PWK_Ped_Xing_Detail_02.dgn

Bollinger, Loch & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwenger
PLOT SCALE = 20.0000' / 1" =
PLOT DATE = 10/27/2016

DESIGNED - GJE
DRAWN - GJE
CHECKED - DBB
DATE - 10/28/2016

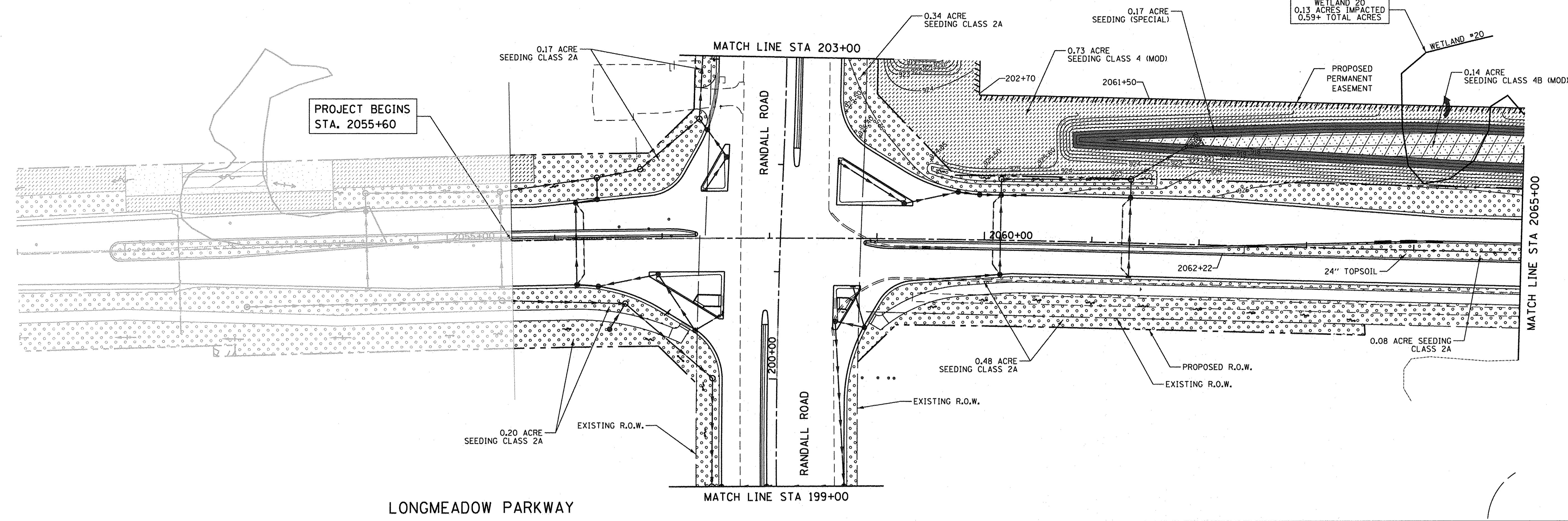
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

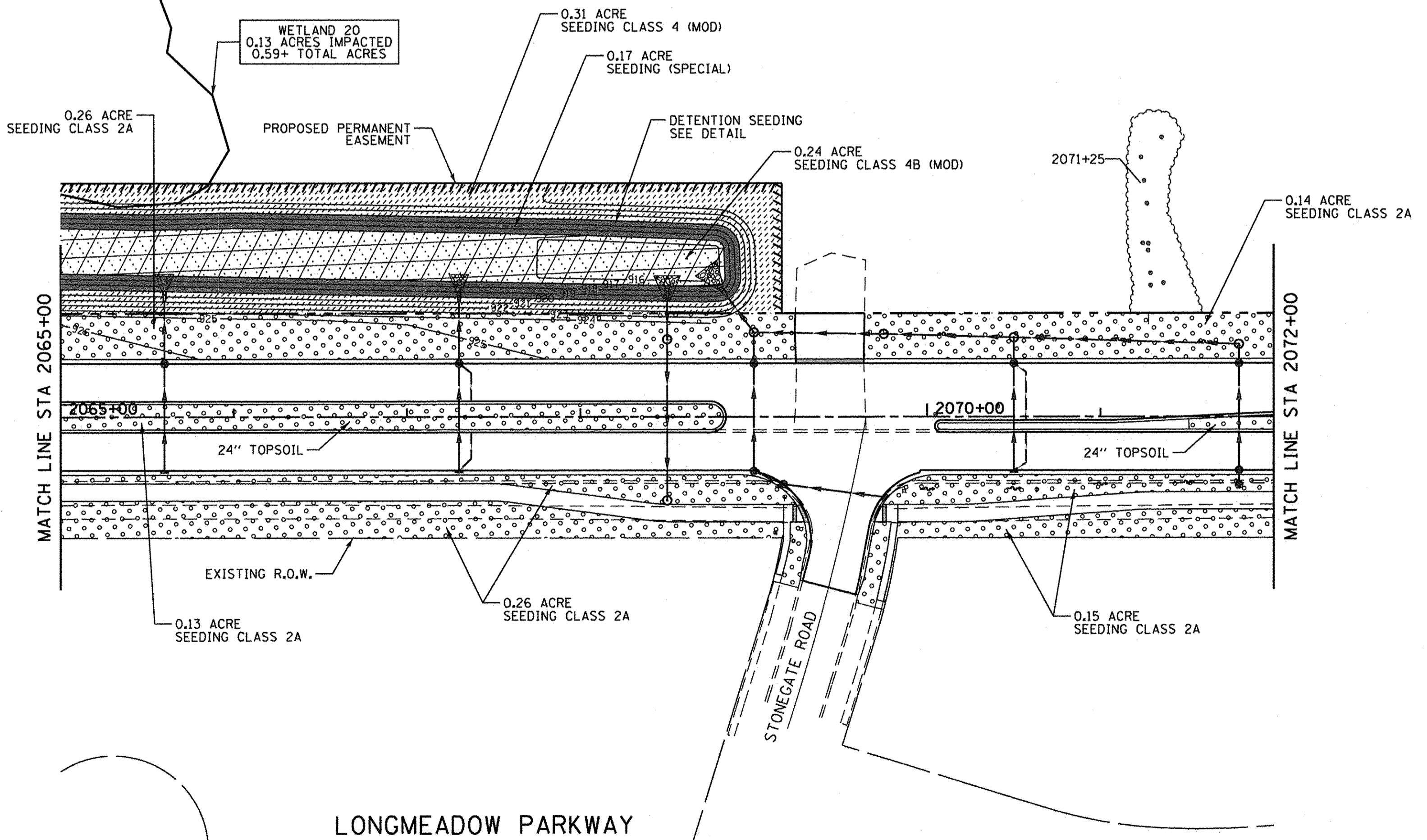
**LONGMEADOW PARKWAY
POST MOUNTED FLASHING BEACON INSTALLTION (SPECIAL) DETAIL**

SCALE: 1"=20' SHEET 283 OF 477 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	283
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



LONGMEADOW PARKWAY



LONGMEADOW PARKWAY

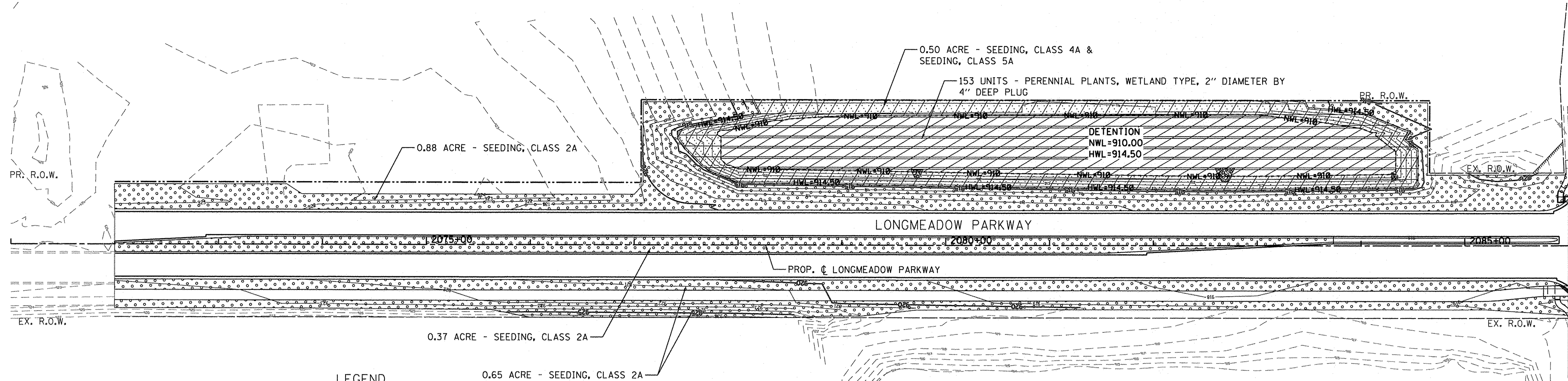
NOTES:
 ALL AREAS TO RECEIVE 6" TOPSOIL UNLESS OTHERWISE LABELED.
 SEE DETAIL FOR DETENTION BASIN, WETLAND, AND WETLAND BUFFER SEEDING.
 THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 15 AND FROM AUGUST 1 TO NOVEMBER 1.
 THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURES CLASS 4 (MOD), CLASS 4B (MOD), AND SEEDING (SPECIAL) SHALL BE NOVEMBER 15 TO JUNE 1, AND IT SHALL NOT BE RAINING AND THE GROUND SHALL NOT BE COVERED WITH SNOW.
 ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATES SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.

LEGEND	
	SEEDING CLASS 2A (25000210)
	SEEDING CLASS 4 (MOD) X2501800
	SEEDING CLASS 4B (MOD) X2502024
	SEEDING (SPECIAL) K1005421
	RIPRAP

	USER NAME = HLR PowerGEOPAK	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPING PLAN LONGMEADOW PARKWAY		F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 284
	PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -				CONTRACT NO. 61C41				
	PLOT DATE = 10/26/2016	CHECKED -	REVISED -				ILLINOIS FED. AID PROJECT				
	DATE = 10/25/2016	REVISED -		SCALE: 1"=50'	SHEET OF SHEETS	STA. TO STA.					



MATCH LINE STA. 2086+00.00



LEGEND

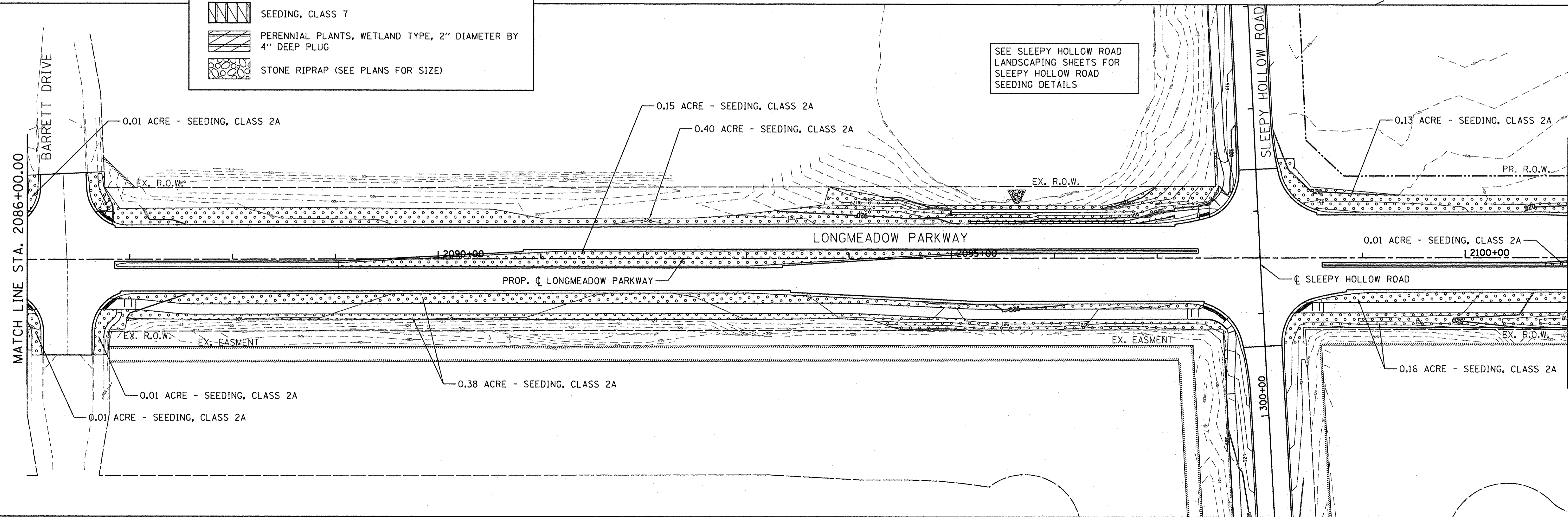
	SEEDING, CLASS 2A
	SEEDING, CLASS 4A
	SEEDING, CLASS 4A SEEDING, CLASS 5A
	SEEDING, CLASS 4B
	SEEDING, CLASS 7
	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG
	STONE RIPRAP (SEE PLANS FOR SIZE)

NOTES:

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 15 AND FROM AUGUST 1 TO NOVEMBER 1.
2. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4 (MOD)/4B (MOD), 4A/5A (IF USE) AND SPECIAL SHALL BE FROM NOVEMBER 15 TO JUNE 1, BUT IT CANNOT BE RAINING AND THERE CANNOT BE SNOW ON THE GROUND.
3. ALL SEEDING NOT SHOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT THEIR EXPENSE.



MATCH LINE STA. 2101+00.00



FILE NAME = M:\894-010\DOT LMP Section B\CADD SHEETS\Section B\20131894_SHT.LANDSCAPING_01.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME = gellwanger
PLOT SCALE = 50.0000' / 1" =
PLOT DATE = 10/27/2016

DESIGNED - GJE	REVISIONS -
DRAWN - GJE	REVISIONS -
CHECKED - DBB	REVISIONS -
DATE - 10/28/2016	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN
LONGMEADOW PARKWAY**

SCALE: 1"=50' SHEET 285 OF 477 SHEETS STA. 2072+00.00 TO STA. 2101+00.00

F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 285
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				

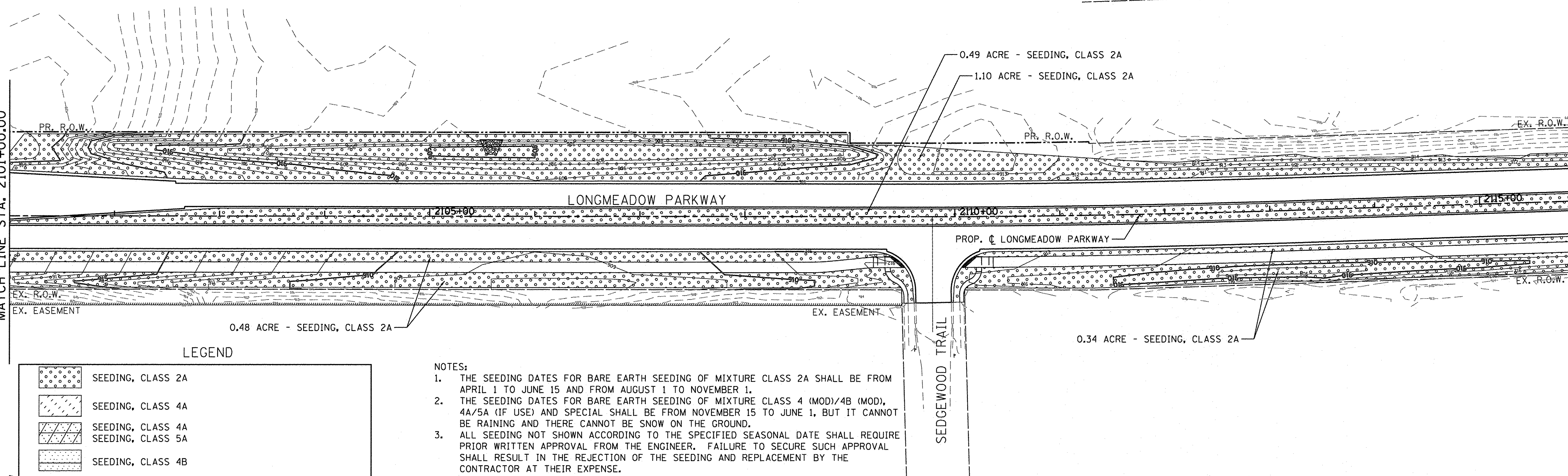
FILE NAME = WAB94-010 KDOT LMP Section B\CADD SHEETS\Section B1\20131814_SHT_1.LANDSCAPING.02.dgn

MATCH LINE STA. 2101+00.00

MATCH LINE STA. 2116+00.00

MATCH LINE STA. 2116+00.00

MATCH LINE STA. 2131+00.00



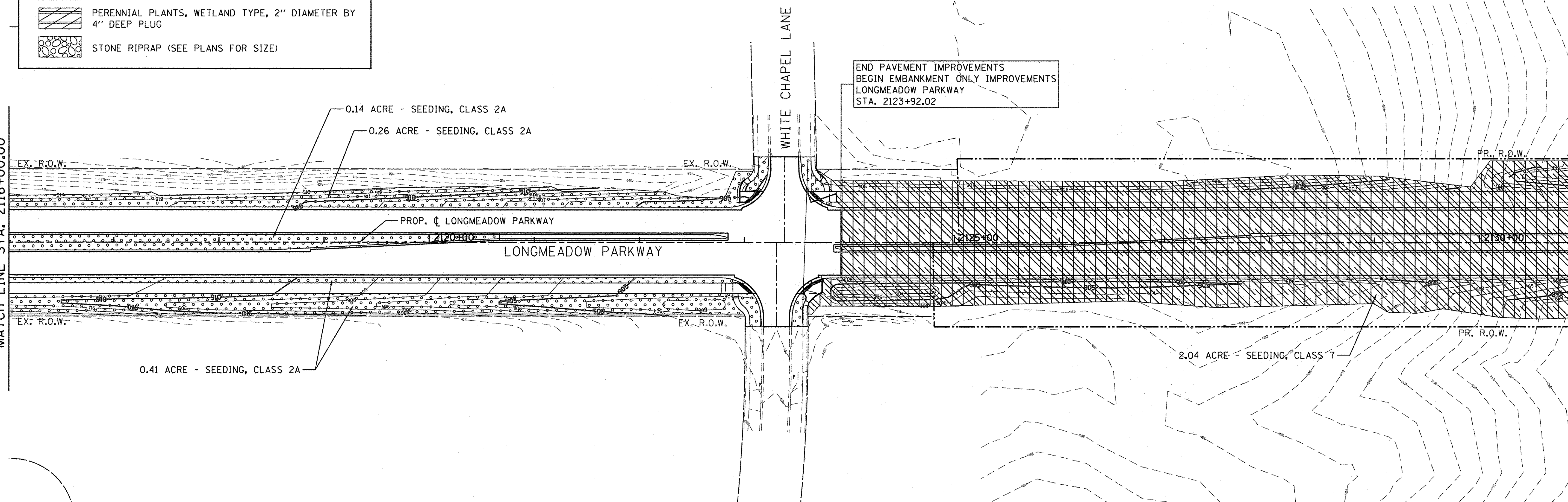
LEGEND

	SEEDING, CLASS 2A
	SEEDING, CLASS 4A
	SEEDING, CLASS 4A
	SEEDING, CLASS 5A
	SEEDING, CLASS 4B
	SEEDING, CLASS 7
	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG
	STONE RIPRAP (SEE PLANS FOR SIZE)

NOTES:

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 15 AND FROM AUGUST 1 TO NOVEMBER 1.
2. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4 (MOD)/4B (MOD), 4A/5A (IF USE) AND SPECIAL SHALL BE FROM NOVEMBER 15 TO JUNE 1, BUT IT CANNOT BE RAINING AND THERE CANNOT BE SNOW ON THE GROUND.
3. ALL SEEDING NOT SHOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT THEIR EXPENSE.

END PAVEMENT IMPROVEMENTS
BEGIN EMBANKMENT ONLY IMPROVEMENTS
LONGMEADOW PARKWAY
STA. 2123+92.02



Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

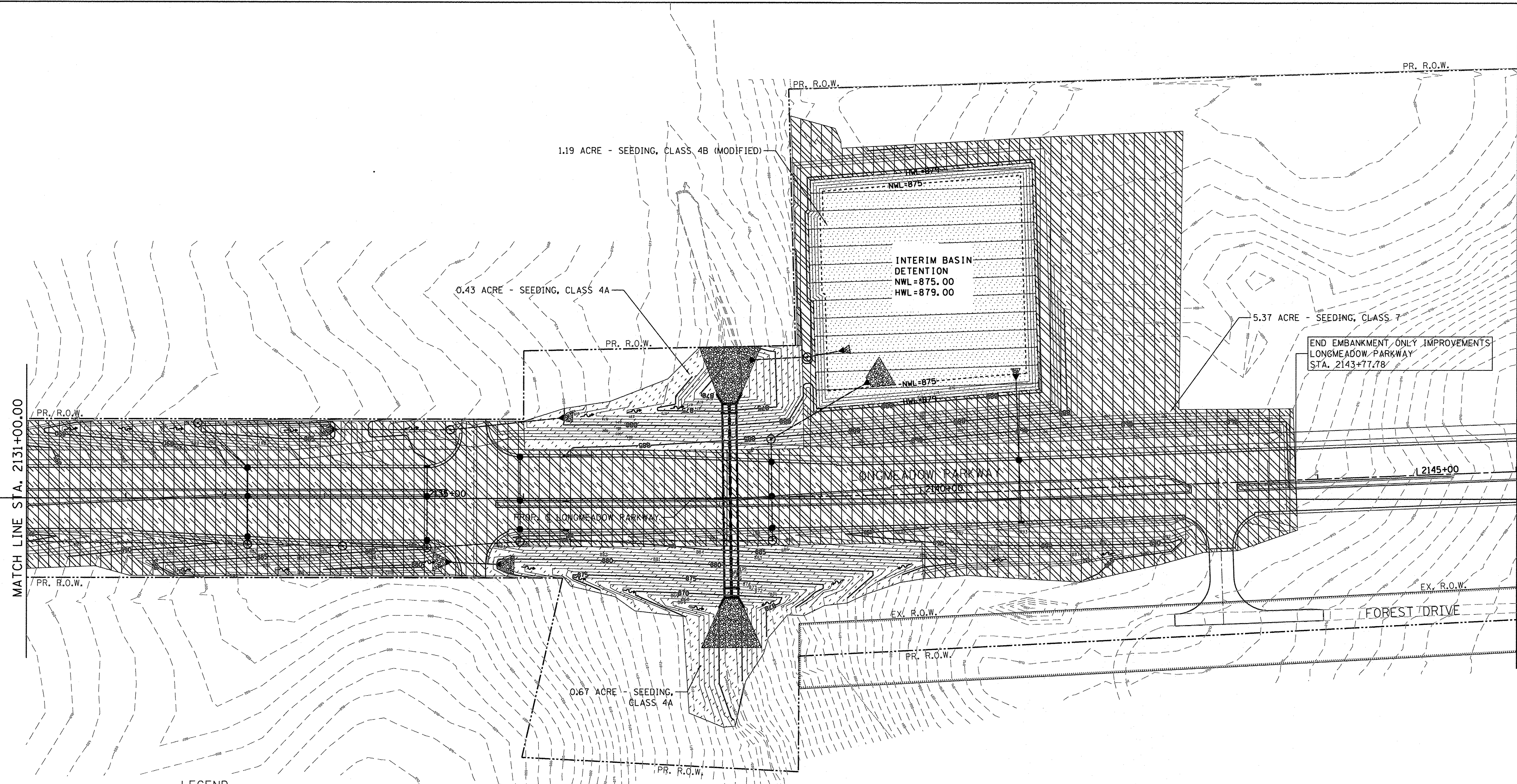
USER NAME = gellwanger	DESIGNED - GJE	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN - GJE	REVISED -
PLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN
LONGMEADOW PARKWAY**

SCALE: 1"=50' SHEET 286 OF 477 SHEETS STA. 2101+00.00 TO STA. 2131+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	286
				CONTRACT NO. 61C41
ILLINOIS FED. AID PROJECT				



LEGEND

	SEEDING, CLASS 2A
	SEEDING, CLASS 4A
	SEEDING, CLASS 4A
	SEEDING, CLASS 5A
	SEEDING, CLASS 4B
	SEEDING, CLASS 7
	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG
	STONE RIPRAP (SEE PLANS FOR SIZE)

NOTES:

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 15 AND FROM AUGUST 1 TO NOVEMBER 1.
2. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4 (MOD)/4B (MOD), 4A/5A (IF USE) AND SPECIAL SHALL BE FROM NOVEMBER 15 TO JUNE 1, BUT IT CANNOT BE RAINING AND THERE CANNOT BE SNOW ON THE GROUND.
3. ALL SEEDING NOT SHOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT THEIR EXPENSE.

FILE NAME = M:\B94-010 KDOT LMP Section B\CADD SHEETS\Section B1\20131894_SHT_LANDSCAPING_03.dgn



USER NAME = gellwanger	DESIGNED - GJE	REVISED -
PLOT SCALE = 50,0000' / 1" =	DRAWN - GJE	REVISED -
PLOT DATE = 10/27/2016	CHECKED - DBB	REVISED -
	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN
LONGMEADOW PARKWAY**

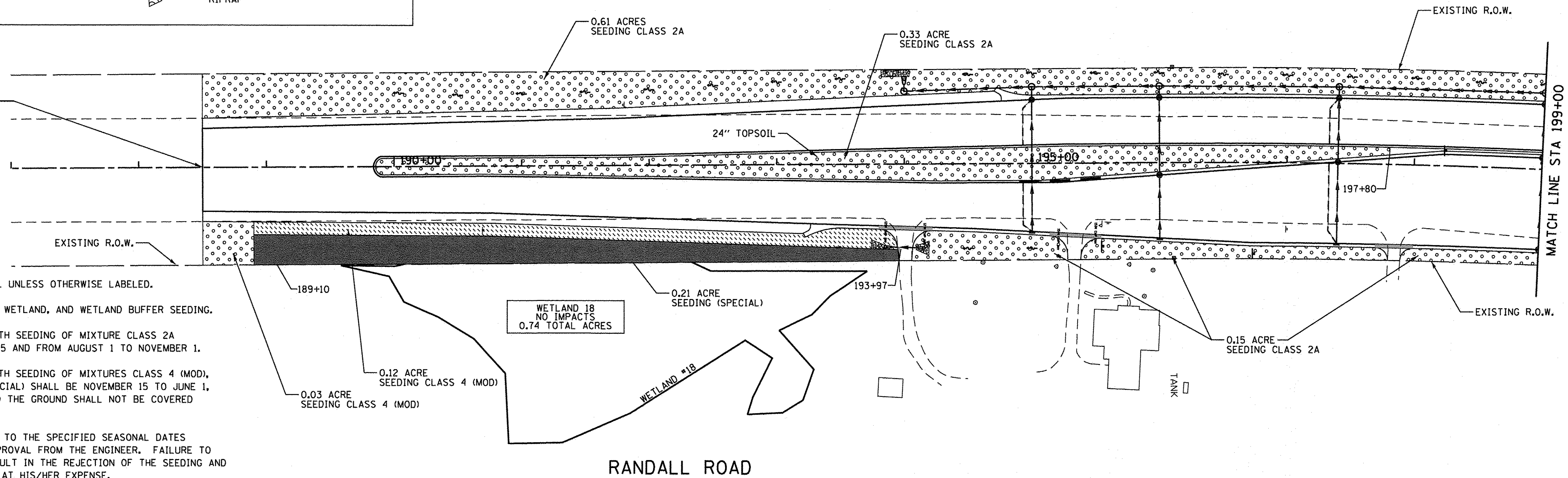
SCALE: 1"=50' SHEET 287 OF 477 SHEETS STA. 2131+00.00 TO STA. 2146+00.00

F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 287
			CONTRACT NO. 61C41	
ILLINOIS FED. AID PROJECT				



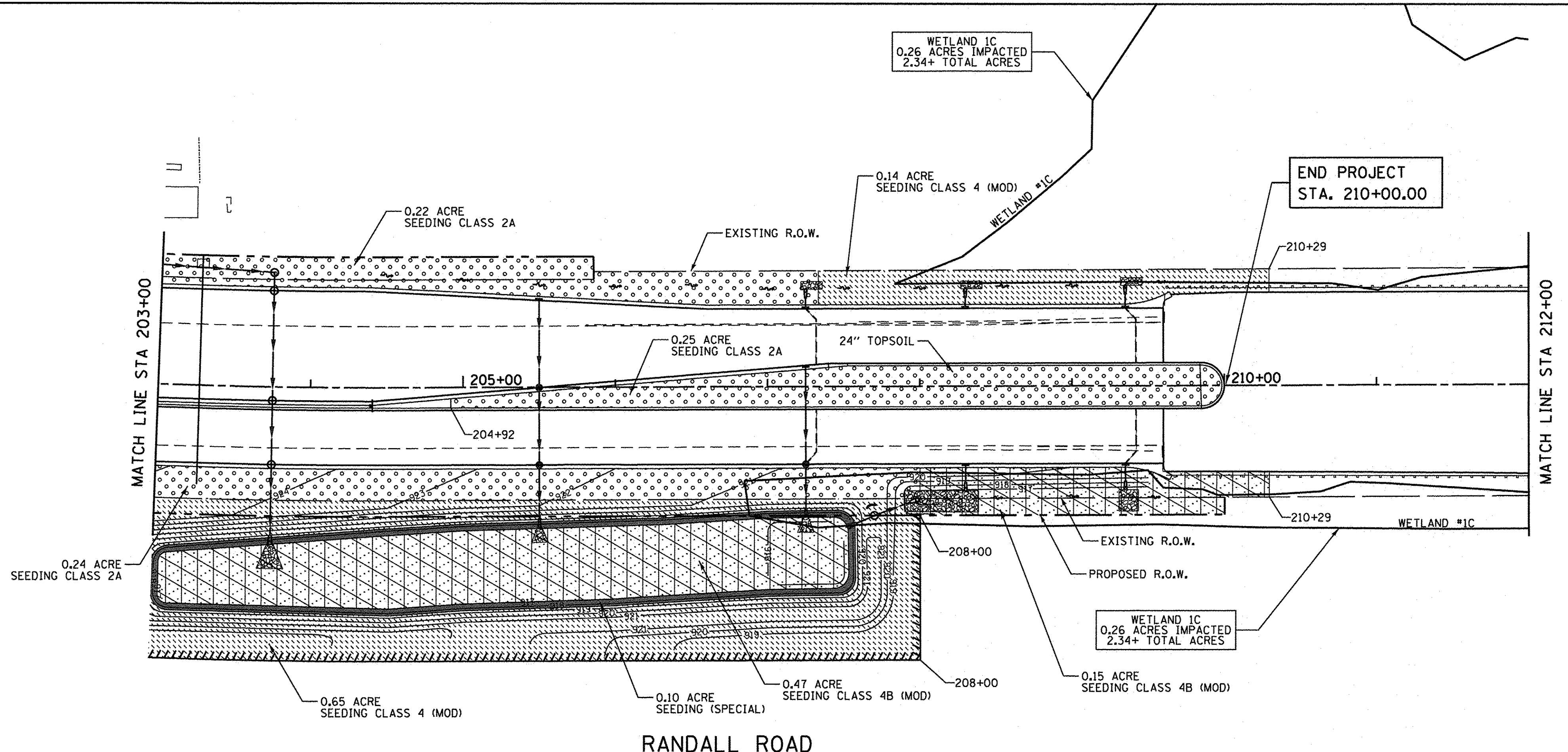
LEGEND			
	SEEDING CLASS 2A (25000210)		SEEDING CLASS 4B (MOD) (X2502024)
	SEEDING CLASS 4 (MOD) X2501800		SEEDING (SPECIAL) K1005421
			RIPRAP

BEGIN PROJECT
STA. 188+46



NOTES:
 ALL AREAS TO RECEIVE 6" TOPSOIL UNLESS OTHERWISE LABELED.
 SEE DETAIL FOR DETENTION BASIN, WETLAND, AND WETLAND BUFFER SEEDING.
 THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 15 AND FROM AUGUST 1 TO NOVEMBER 1.
 THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURES CLASS 4 (MOD), CLASS 4B (MOD), AND SEEDING (SPECIAL) SHALL BE NOVEMBER 15 TO JUNE 1, AND IT SHALL NOT BE RAINING AND THE GROUND SHALL NOT BE COVERED WITH SNOW.
 ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATES SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.

RANDALL ROAD



RANDALL ROAD

END PROJECT
STA. 210+00.00



USER NAME = HLR PowerGEOPAK	DESIGNED -	REVISED -
PLOT SCALE = 50,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/26/2016	CHECKED -	REVISED -
	DATE = 10/25/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

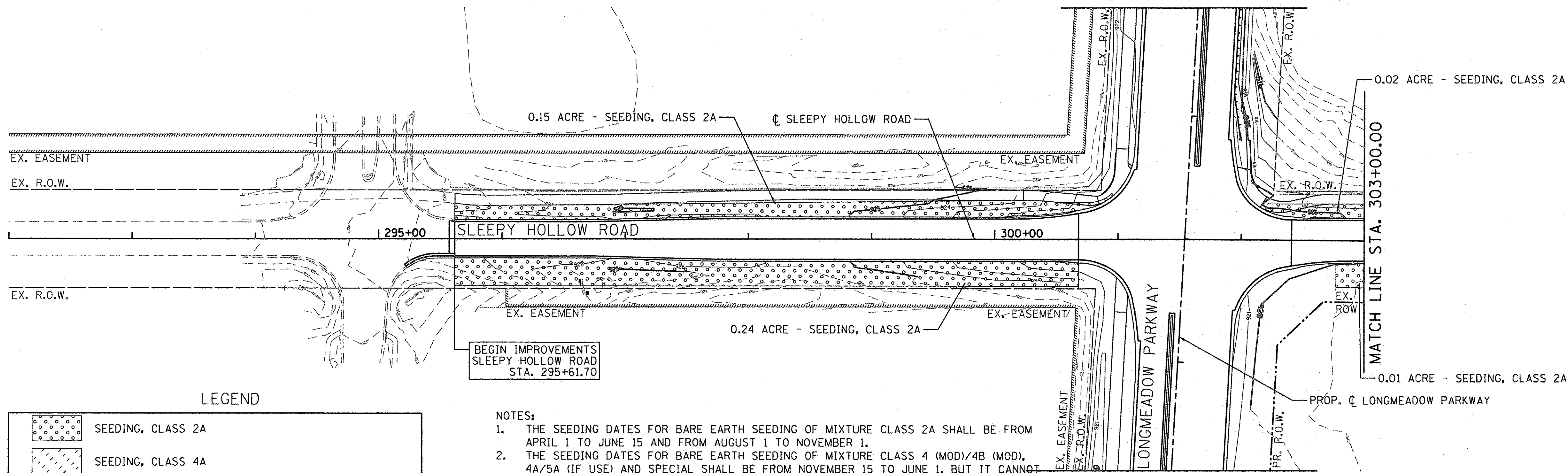
LANDSCAPING PLAN
RANDALL ROAD

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	288
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



SEE LONGMEADOW PARKWAY
LANDSCAPING PLANS



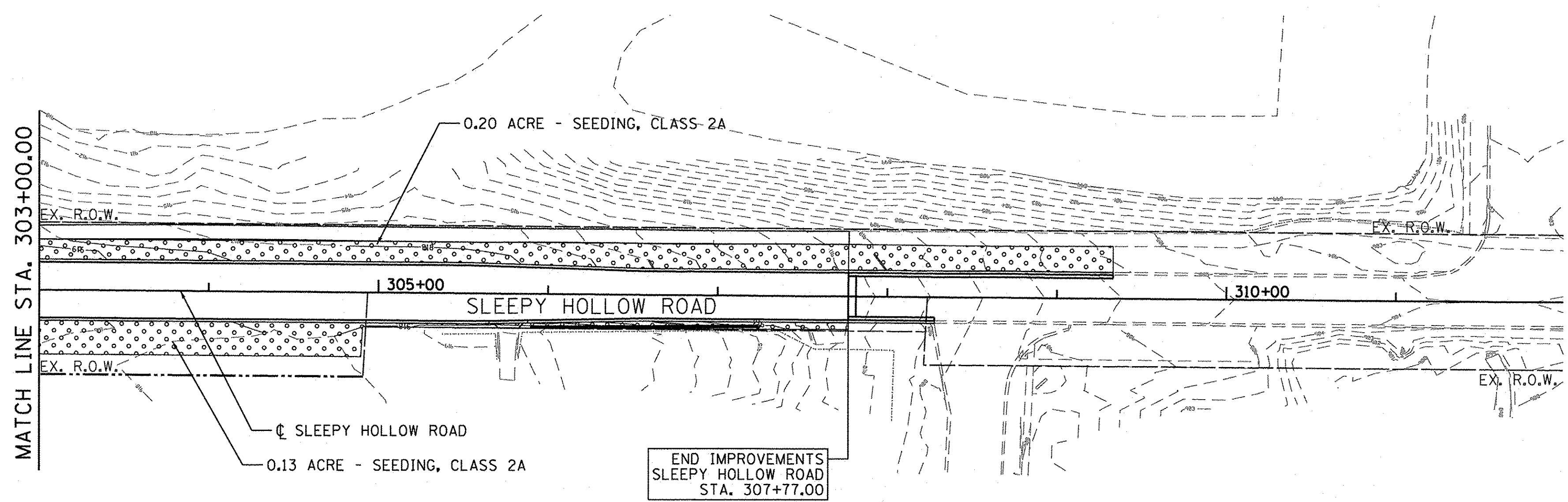
LEGEND

	SEEDING, CLASS 2A
	SEEDING, CLASS 4A
	SEEDING, CLASS 4A
	SEEDING, CLASS 5A
	SEEDING, CLASS 4B
	SEEDING, CLASS 7
	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG
	STONE RIPRAP (SEE PLANS FOR SIZE)

NOTES:

1. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 2A SHALL BE FROM APRIL 1 TO JUNE 15 AND FROM AUGUST 1 TO NOVEMBER 1.
2. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4 (MOD)/4B (MOD), 4A/5A (IF USE) AND SPECIAL SHALL BE FROM NOVEMBER 15 TO JUNE 1, BUT IT CANNOT BE RAINING AND THERE CANNOT BE SNOW ON THE GROUND.
3. ALL SEEDING NOT SHOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT THEIR EXPENSE.

SEE LONGMEADOW PARKWAY
LANDSCAPING PLANS



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
SLEEPY HOLLOW ROAD

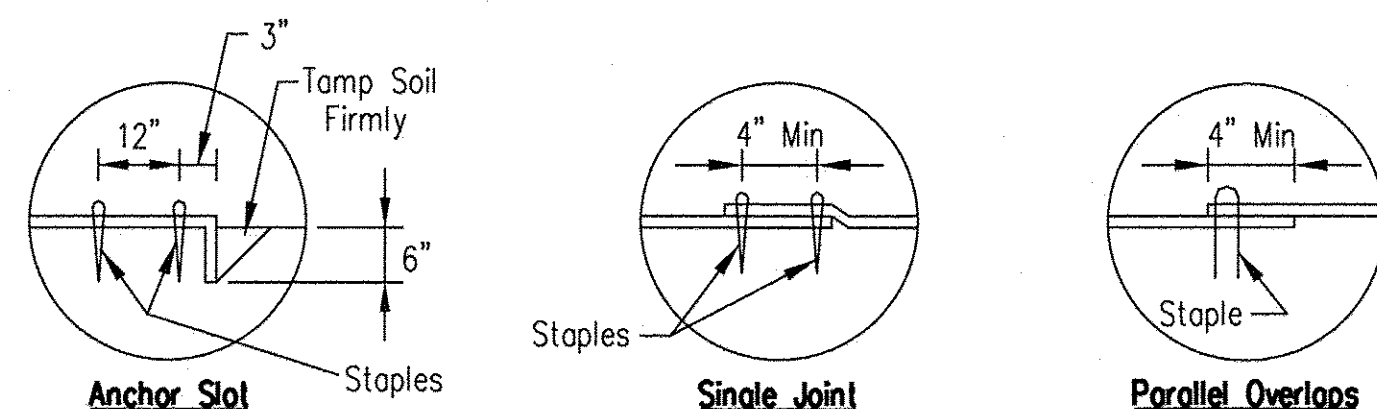
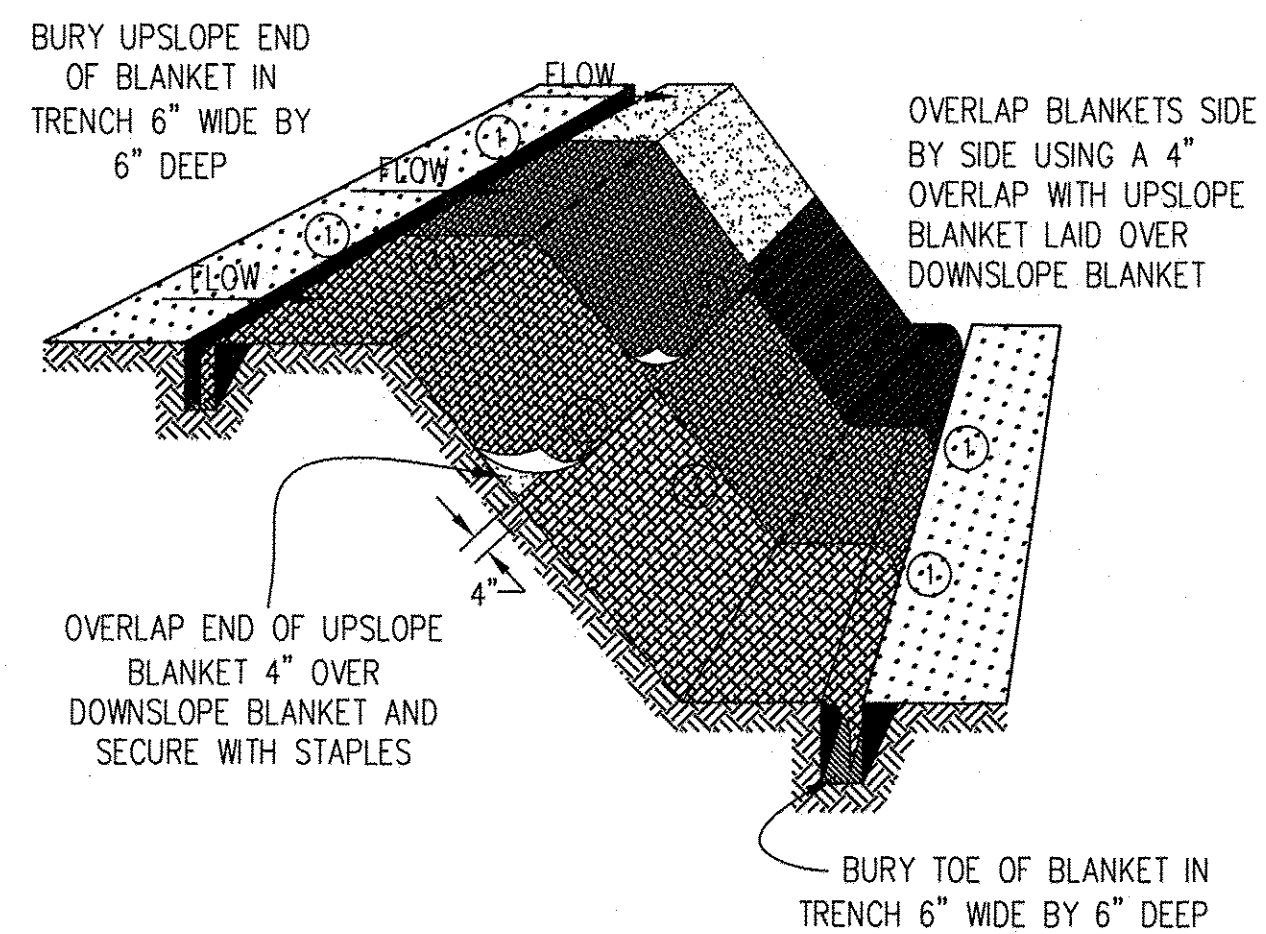
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	289
				CONTRACT NO. 61C41
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET 289 OF 477 SHEETS STA. 295+61.70 TO STA. 307+77.00

FILE NAME = WAB94-010 KDOT LMP Section B\CADD SHEETS\Section B1\20131814_SHT_LANDSCAPING_09.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

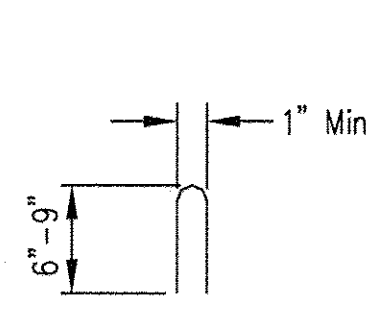
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	DRAWN - GJE	REVISED -
PLOT SCALE = 50,0000' / 1" =	CHECKED - DBB	REVISED -
PLOT DATE = 10/27/2016	DATE - 10/28/2016	REVISED -



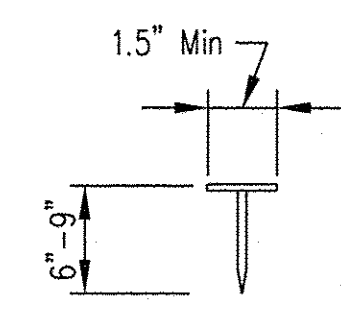
DETAIL 1

DETAIL 2

DETAIL 3



STAPLE DETAIL



PUSH PIN DETAIL

NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 staples with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

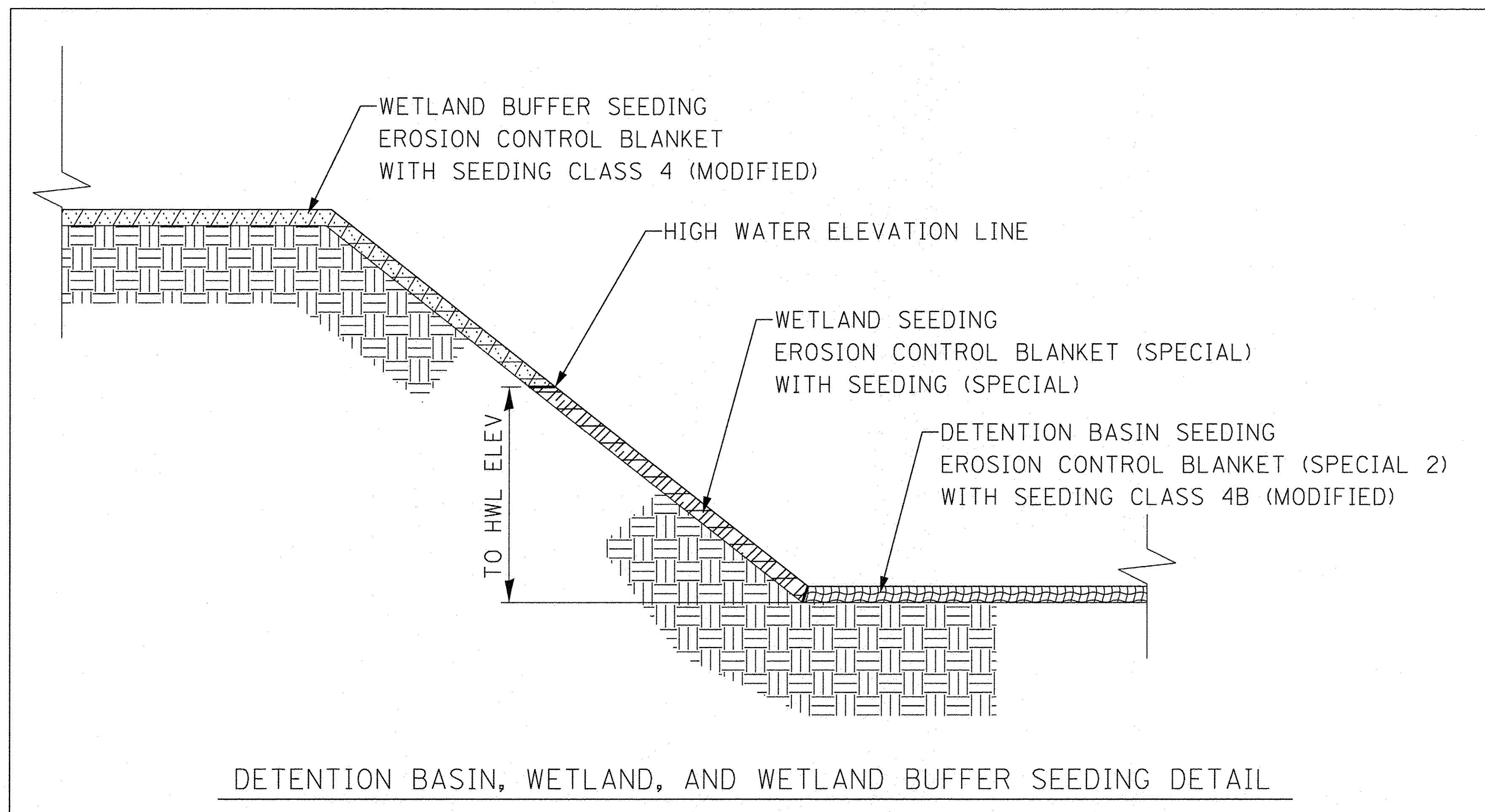
**EROSION CONTROL
BLANKET INSTALLATION DETAILS**

Designed	_____	Date	_____
Drawn	B. JOHNSON		11/20/16
Checked	_____		_____
Approved	_____		_____

NOTE:

EROSION CONTROL BLANKET (SPECIAL) CONSISTS OF A DOUBLE NET STRAW-COCONUT BLANKET.

EROSION CONTROL BLANKET (MODIFIED) CONSISTS OF A SINGLE NET STRAW BLANKET.



DETENTION BASIN, WETLAND, AND WETLAND BUFFER SEEDING DETAIL



USER NAME = HLR Power-GEDPAK
 PLOT SCALE = 50,0000 / in.
 PLOT DATE = 10/26/2016

DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 10/25/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
 MODIFIED SEED MIXES AND DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	290
CONTRACT NO. 61C41			ILLINOIS FED. AID PROJECT	

TREE PLANTING BILL OF MATERIALS

TREE PLANTING GENERAL NOTES:

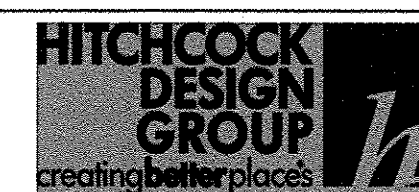
1. THE CONTRACTOR SHALL COORDINATE THE PLANTING, LANDSCAPING AND RESTORATION WORK WITH WORK BY THE GRADING CONTRACTOR AND OTHER UTILITY CONTRACTORS. THE RESTORATION AND PLANTING WORK SHALL BE COMPLETED AS DIRECTED BY THE ENGINEER, NOTWITHSTANDING THE PLANTING RESTRICTIONS AS DESCRIBED IN THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.
2. ALL PLANT MATERIAL NOT PLANTED ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL WILL RESULT IN THE REJECTION OF THE PLANT MATERIAL AND THE REPLACEMENT SHALL BE AT NO ADDITIONAL COST TO THE CONTRACT.
3. ALL WORK SHALL BE IN ACCORDANCE WITH SECTIONS 253 AND 254 OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS AND THE DETAILS SHOWN ON THE PLANS. THE CONTRACTOR SHALL FURNISH THE INITIAL WATERING AND ALL ADDITIONAL WATERING DURING THE PERIOD OF ESTABLISHMENT.
4. THE INTENT OF THE PLANTING PLAN IS TO LOOK NATURAL AND PLEASANT. THE CONTRACTOR SHALL GROUP THE TREES AND SHRUBS AS SHOWN IN PLANS.
5. THE CONTRACTOR SHALL BE CAREFUL WHEN PLANTING TREES AND SHRUBS NEAR AN INTERSECTION TO AVOID THE NECESSARY SIGHT TRIANGLE OF APPROACHING TRAFFIC. IF IN DOUBT, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER REGARDING CLEAR DISTANCE OF THE SIGHT TRIANGLE.
6. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTH OF ANY UNDERGROUND UTILITIES PRIOR TO EXCAVATION OR CONSTRUCTION.
7. THE CONTRACTOR SHALL FOLLOW THE PLANTING PLANS AND MAY ADJUST LOCATIONS TO FIT FIELD CONDITIONS, BUT SHALL NOT INSTALL TREES DIRECTLY ABOVE ANY MAJOR DRAINAGE CULVERTS.
8. THE CONTRACTOR SHALL SCHEDULE PLANT MATERIAL TO KEEP UP WITH THE PLANTING OPERATION. IF PLANTINGS ARE NOT PLANTED IMMEDIATELY AFTER DELIVERY TO THE JOB SITE, THE CONTRACTOR SHALL HARBOR THE PLANTINGS AS DESCRIBED IN ARTICLE 253.06 OF THE STANDARD SPECIFICATIONS FOR TEMPORARY STORAGE.

ITEM NUMBER	PLAN LABEL	ITEM NAME	SIZE	UNIT	QTY
SHADE TREES					
A2000220	AFM2.5	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE)	2 1/2" C	EACH	45
A2002020	AGL2.5	TREE, AESCULUS GLABRA (OHIO BUCKEYE)	2 1/2" C	EACH	7
A2002820	CSP2.5	TREE, CATALPA SPECIOSA (NORTHERN CATALPA)	2 1/2" C	EACH	1
A2002884	CCH2.5	TREE, CELTIS OCCIDENTALIS CHICAGOLAND, (CHICAGOLAND HACKBERRY)	3" C	EACH	18
A2003120	COW2.5	TREE, CELTIS OCCIDENTALIS WINDY CITY (WINDY CITY HACKBERRY)	2 1/2" C	EACH	15
A2004514	GBA2.5	TREE, GINKGO BILOBA AUTUMN GOLD (AUTUMN GOLD GINKGO)	2 1/2" C	EACH	14
A2004720	GTS2.5	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST)	2 1/2" C	EACH	29
A2005050	GDP2.5	TREE, GYMNOCLADUS DIOICUS PRAIRIE TITAN, (PRAIRIE TITAN KENTUCKY COFFEETREE)	2 1/2" C	EACH	31
A2005520	NSY2.5	TREE, NYSSA SYLVATICA (BLACK TUPELO)	2 1/2" C	EACH	3
A2005920	PLB2.5	TREE, PLATANUS X ACERIFOLIA BLOODGOOD (BLOODGOOD LONDON PLANETREE)	2 1/2" C	EACH	12
A2005960	PMT2.5	TREE, PLATANUS X ACERIFOLIA MORTON CIRCLE (EXCLAMATIONΔ LONDON PLANETREE)	2 1/2" C	EACH	57
A2006520	QBI2.5	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK)	2 1/2" C	EACH	70
A2006606	QCI2.5	TREE, QUERCUS COCCINEA (SCARLET OAK)	2 1/2" C	EACH	5
A2006720	QMA2.5	TREE, QUERCUS MACROCARPA (BUR OAK)	2 1/2" C	EACH	9
A2007120	QRU2.5	TREE, QUERCUS RUBRA (RED OAK)	2 1/2" C	EACH	95
A2007132	QSC2.5	TREE, QUERCUS SCHUETTI (SWAMP BUR OAK)	2" C	EACH	7
A2007820	TAM2.5	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD)	2 1/2" C	EACH	67
A2007920	TAR2.5	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN)	2 1/2" C	EACH	5
A2008470	UMS2.5	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM)	2 1/2" C	EACH	30
A2008517	ULM2.5	TREE, ULMUS JAPONICA X WILSONIANA MORTON (ACCOLADE ELM)	2 1/2" C	EACH	53
A2008519	UMG2.5	TREE, ULMUS MORTON GLOSSY (TRIUMPH ELM)	2 1/2" C	EACH	80
INTERMEDIATE TREES					
B2001167	CCD.08	TREE, CERCIS CANADENSIS (EASTERN REDBUD)	8' HT	EACH	3
B2001266	COA.08	TREE, CORNUS ALTERNIFOLIA (PAGODA DOG WOOD)	6' HT	EACH	3
B2001770	CCI.08	TREE, CRATAEGUS CRUSGALLI VAR. INERMIS (THORNLESS COCKSPUR HAWTHORN)	8' HT	EACH	24
B2004576	MRP.08	TREE, MALUS RED PEACOCK, (RED PEACOCK CRABAPPLE)	2 1/2" C	EACH	32
B2005068	MSN.08	TREE, MALUS SNOWDRIFT (SNOWDRIFT CRABAPPLE)	7' HT	EACH	3
B2006168	SPM.08	TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC)	7' HT	EACH	14
EVERGREEN TREES					
D2001988	PAD.08	EVERGREEN, PICEA GLAUCA DENSATA (BLACK HILLS SPRUCE)	8' HT	EACH	12
D2002188	PAP.08	EVERGREEN, PICEA PUNGENS (COLORADO SPRUCE)	8' HT	EACH	12
D2002788	PNI.08	EVERGREEN, PINUS NIGRA (AUSTRIAN PINE)	8' HT	EACH	14

TREE PLANTING LEGEND

- SHADE TREE
- ◐ ORNAMENTAL TREE
- ◑ EVERGREEN TREE

FILE NAME = G:\CH13\0109\Road\Sheets\20131814-SH1-LANDSCAPING NOTES AND SCHEDULE.dgn



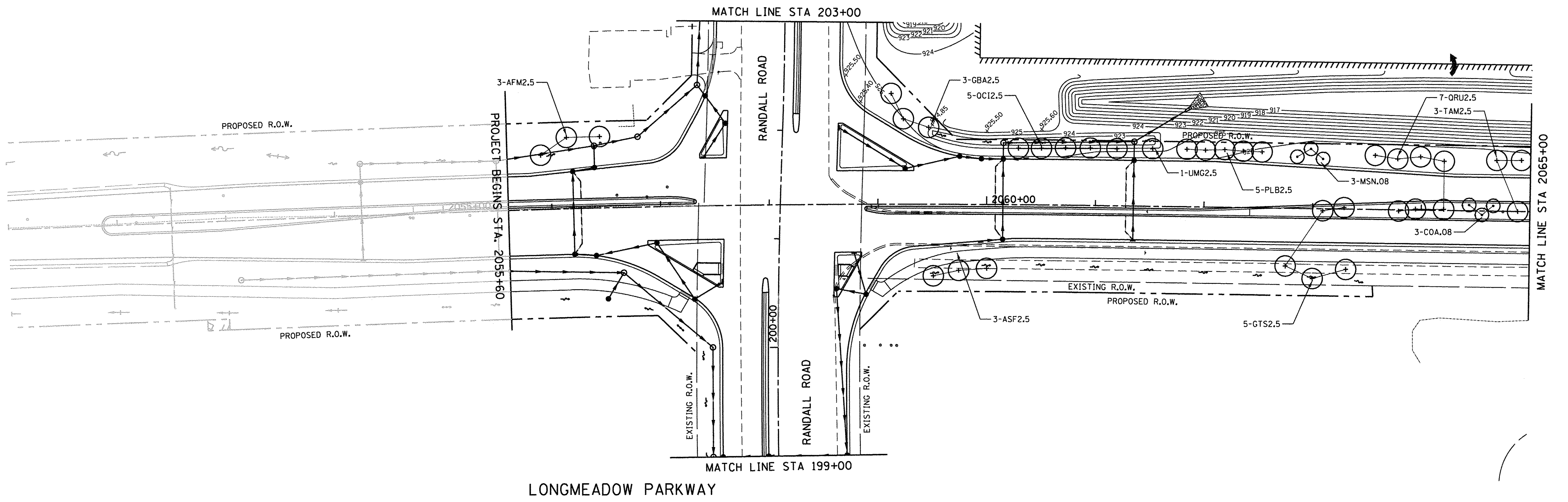
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PLOT DATE = 10/26/2016	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

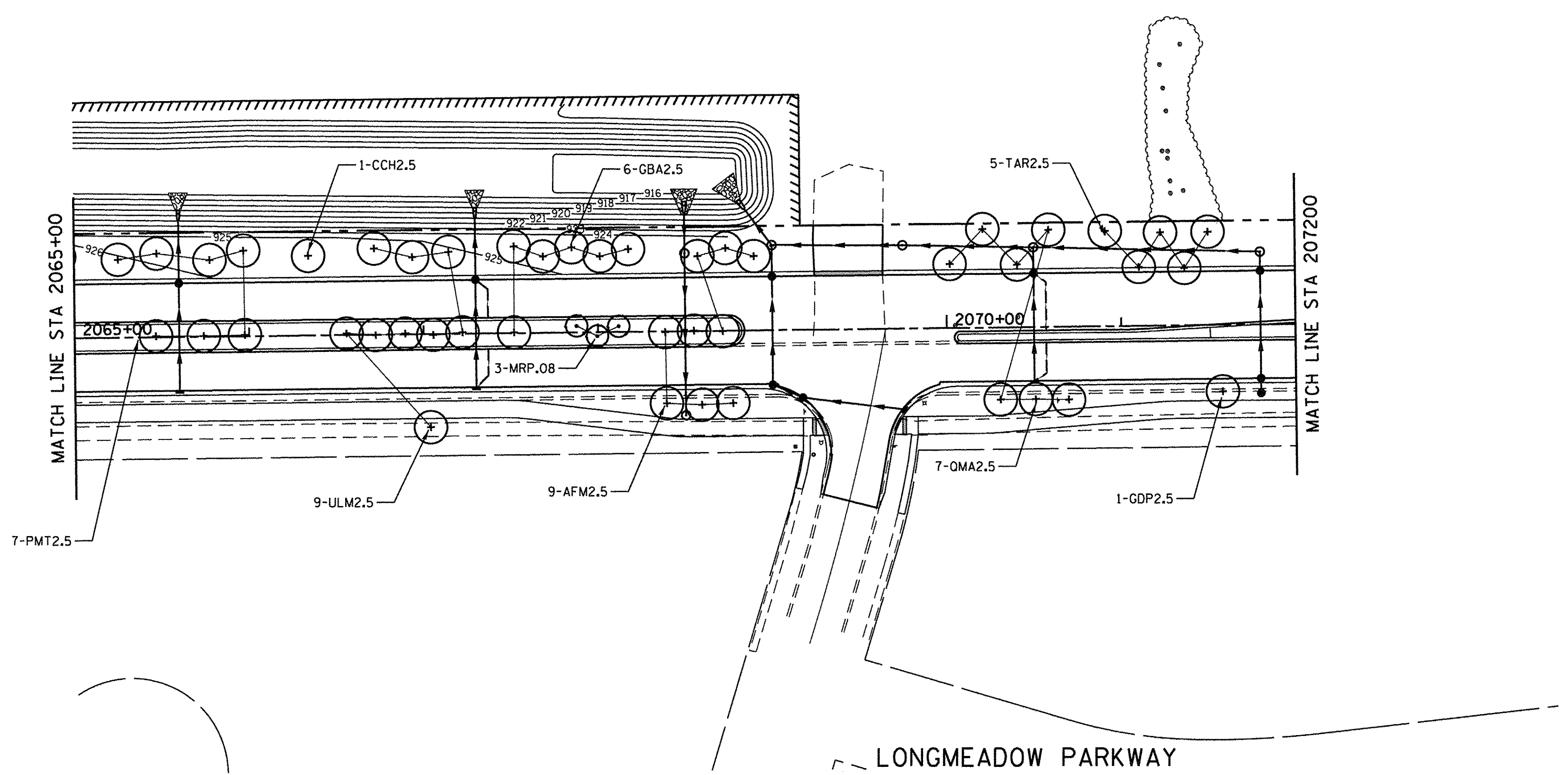
TREE PLANTING NOTES AND BILL OF MATERIALS

SCALE: N.T.S. SHEET NO. 291 OF 477 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	13-00215-10-PV	KANE	477	291
CONTRACT NO. 61C41				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LONGMEADOW PARKWAY



LONGMEADOW PARKWAY



USER NAME = HLR PowerGEOPAK	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/26/2016	CHECKED -	REVISED -
	DATE - 10/25/2016	REVISED -

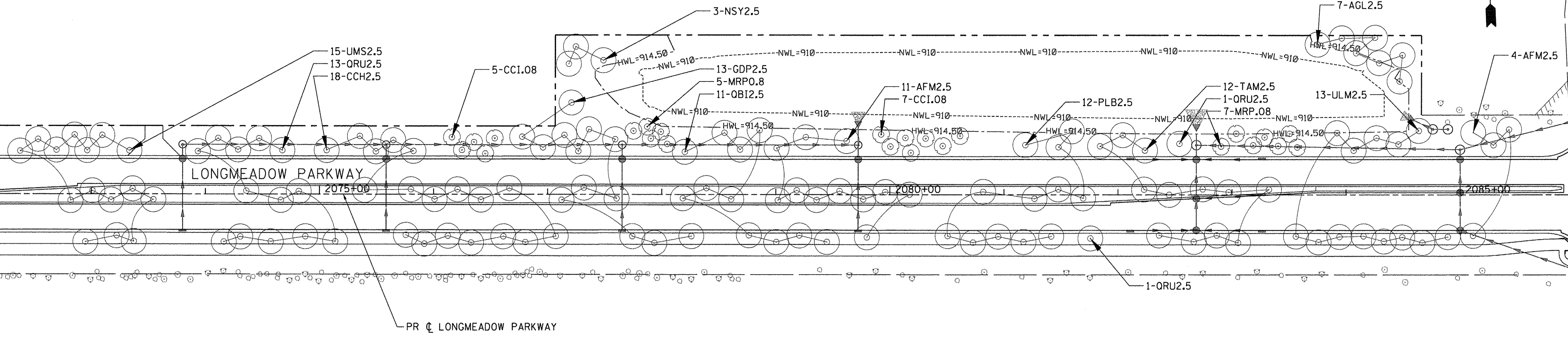
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TREE PLANTING PLAN
LONGMEADOW PARKWAY

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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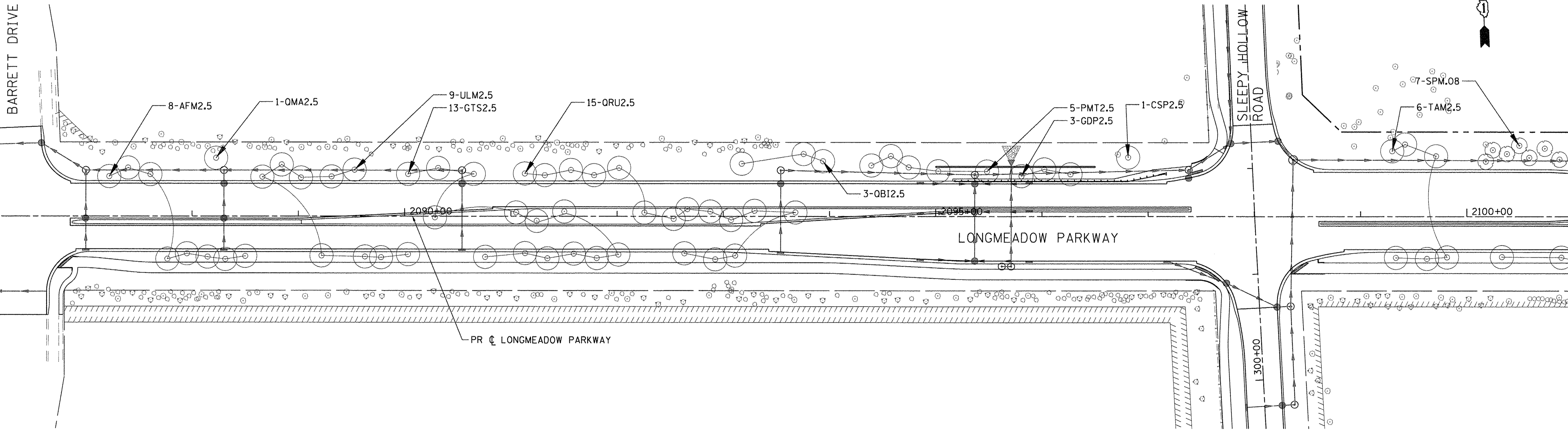
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	292
			CONTRACT NO. 61C41	
ILLINOIS FED. AID PROJECT				

MATCH LINE STATION 2072+00



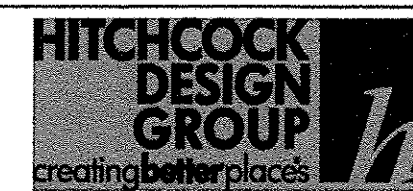
MATCH LINE STATION 2086+00

MATCH LINE STATION 2086+00



MATCH LINE STATION 2101+00

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USER NAME = bshoeffliger
 PLOT SCALE = 50.0000' / 1" = 50'
 PLOT DATE = 10/26/2016

DESIGNED - MW
 DRAWN - AT
 CHECKED - TK
 DATE - 10/28/2016

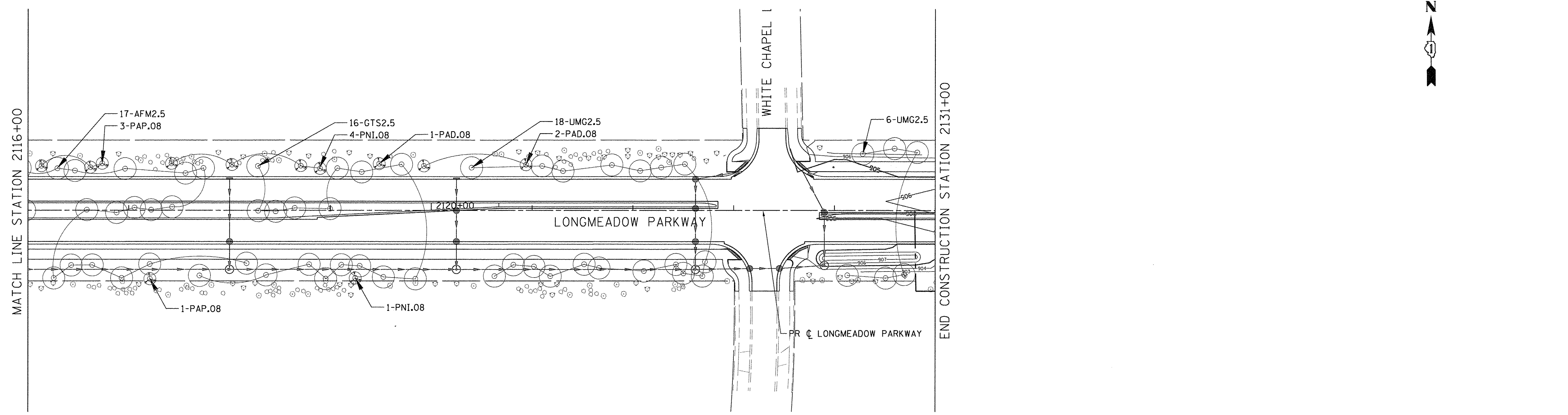
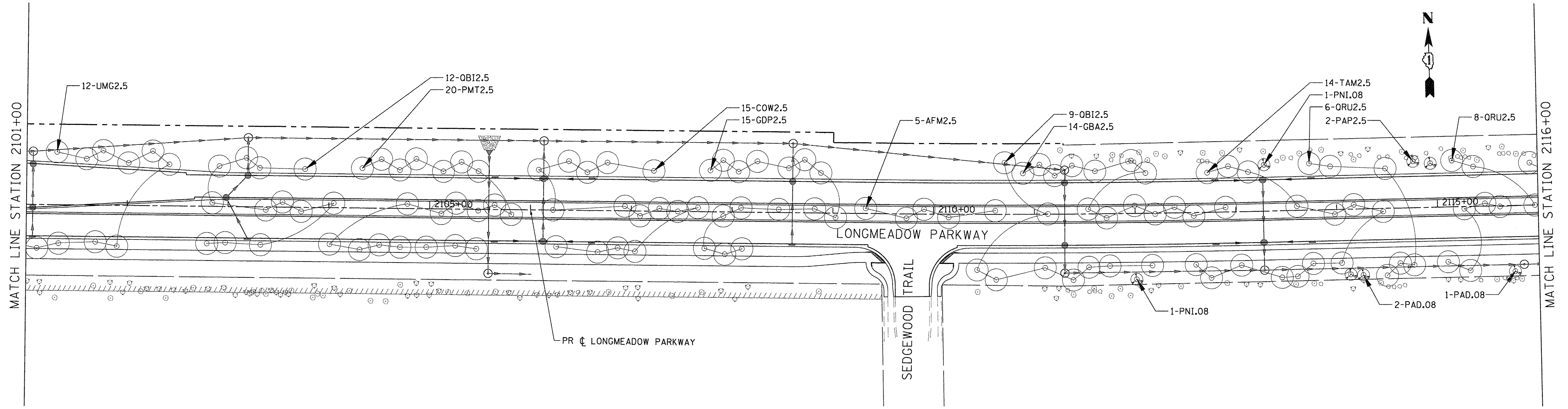
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

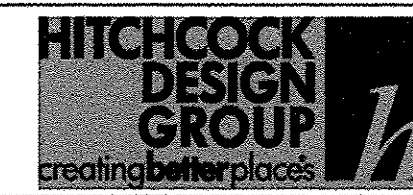
TREE PLANTING PLAN
 LONGMEADOW PARKWAY

SCALE: 1" = 50' SHEET NO. 293 OF 477 SHEETS STA. 2071+00 TO STA. 2101+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	13-00215-10-PV	KANE	477	293
CONTRACT NO. 61C41				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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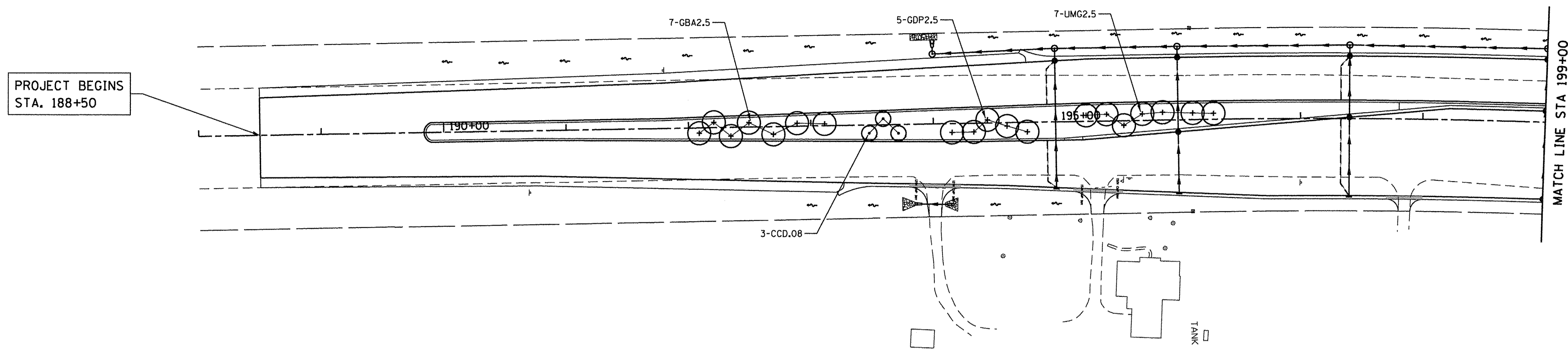
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PLOT DATE = 10/26/2016	CHECKED - TK	REVISED -
	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

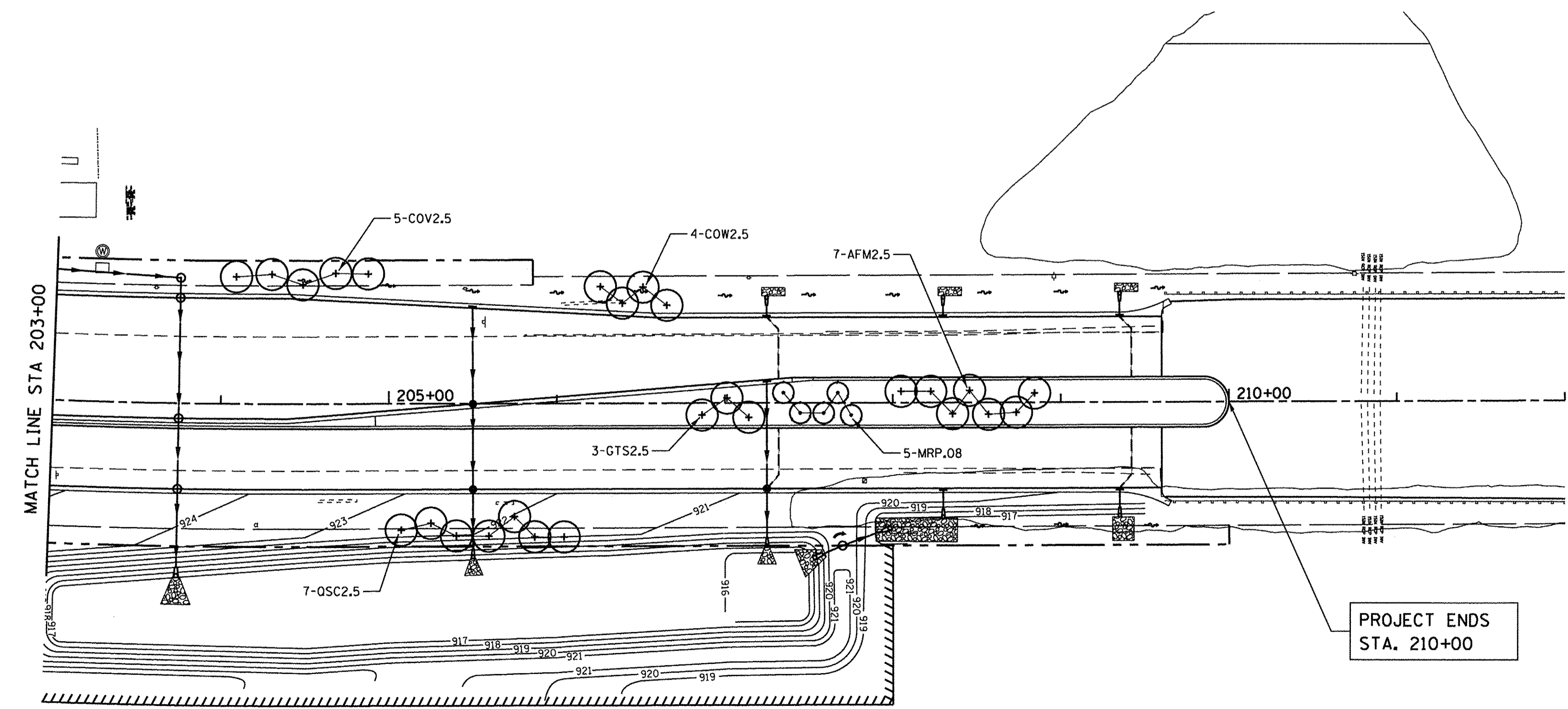
**TREE PLANTING PLAN
LONGMEADOW PARKWAY**

SCALE: 1" = 50' SHEET NO.294 OF 477 SHEETS STA. 2101+00 TO STA. 2131+00

F.A.P. RTE. 361	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 294
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 61C41				



RANDALL ROAD



RANDALL ROAD



USER NAME = HLR Power-GEOPAK	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/26/2016	CHECKED -	REVISED -
	DATE - 10/25/2016	REVISED -

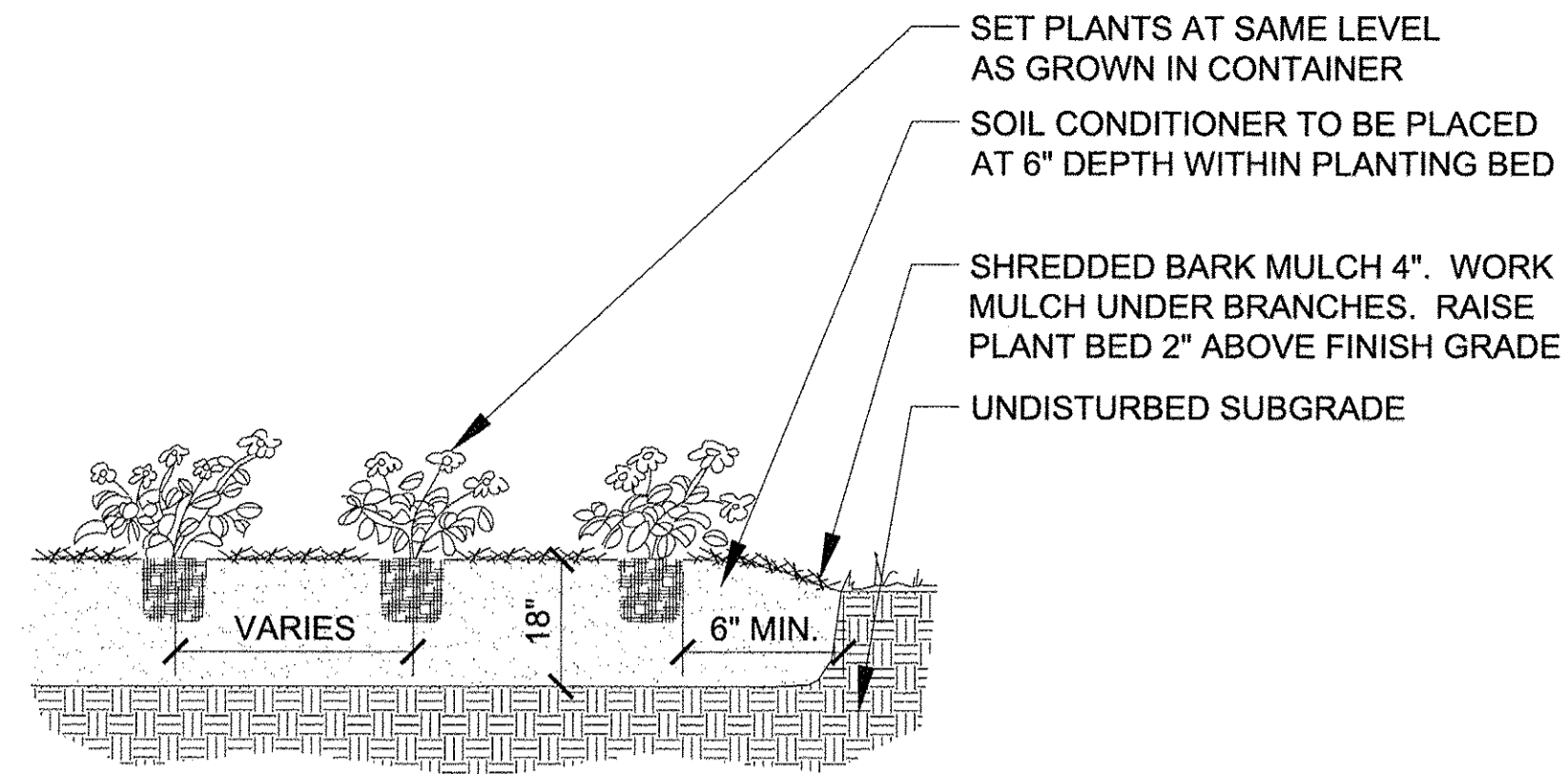
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TREE PLANTING PLAN RANDALL ROAD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

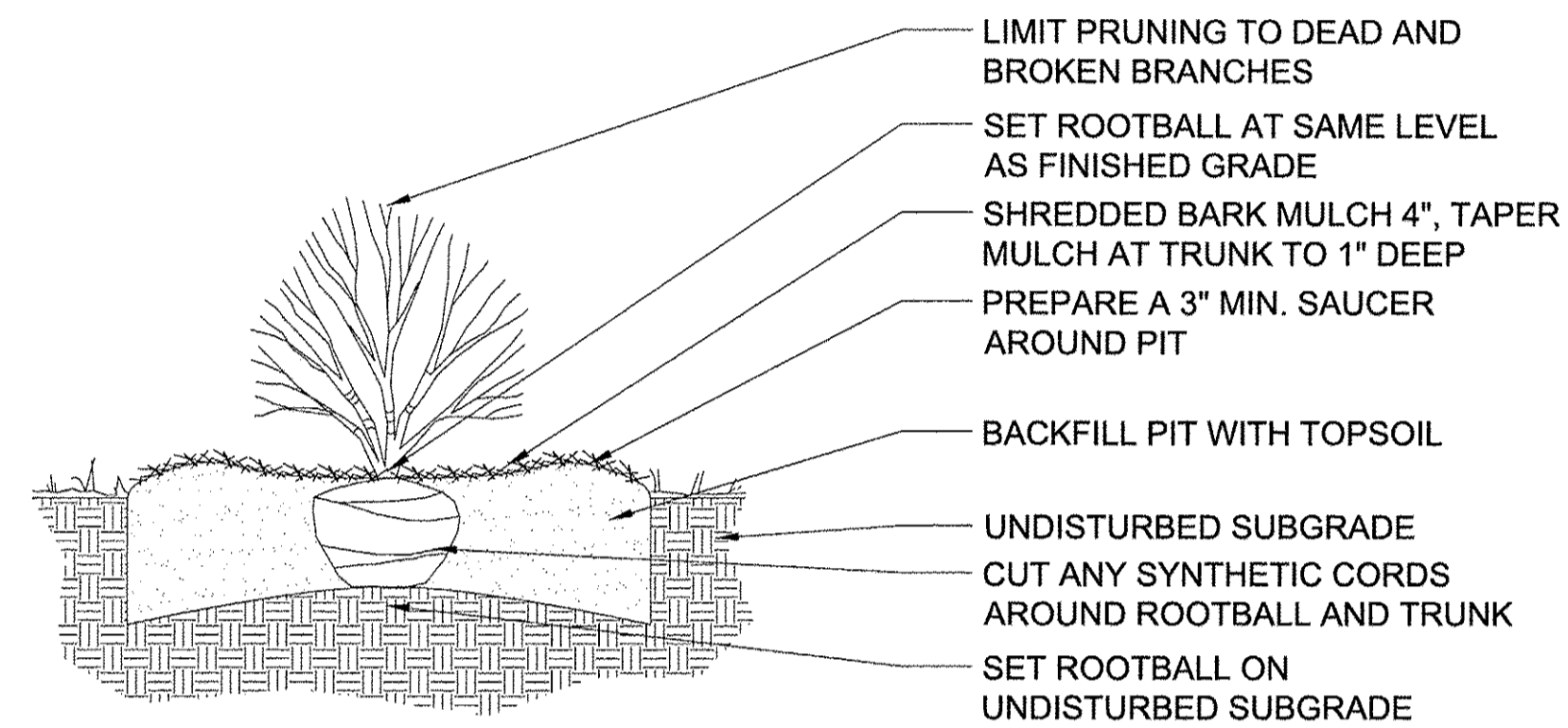
F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 295
CONTRACT NO. 61C41				
[ILLINOIS] FED. AID PROJECT				

GENERAL NOTES:

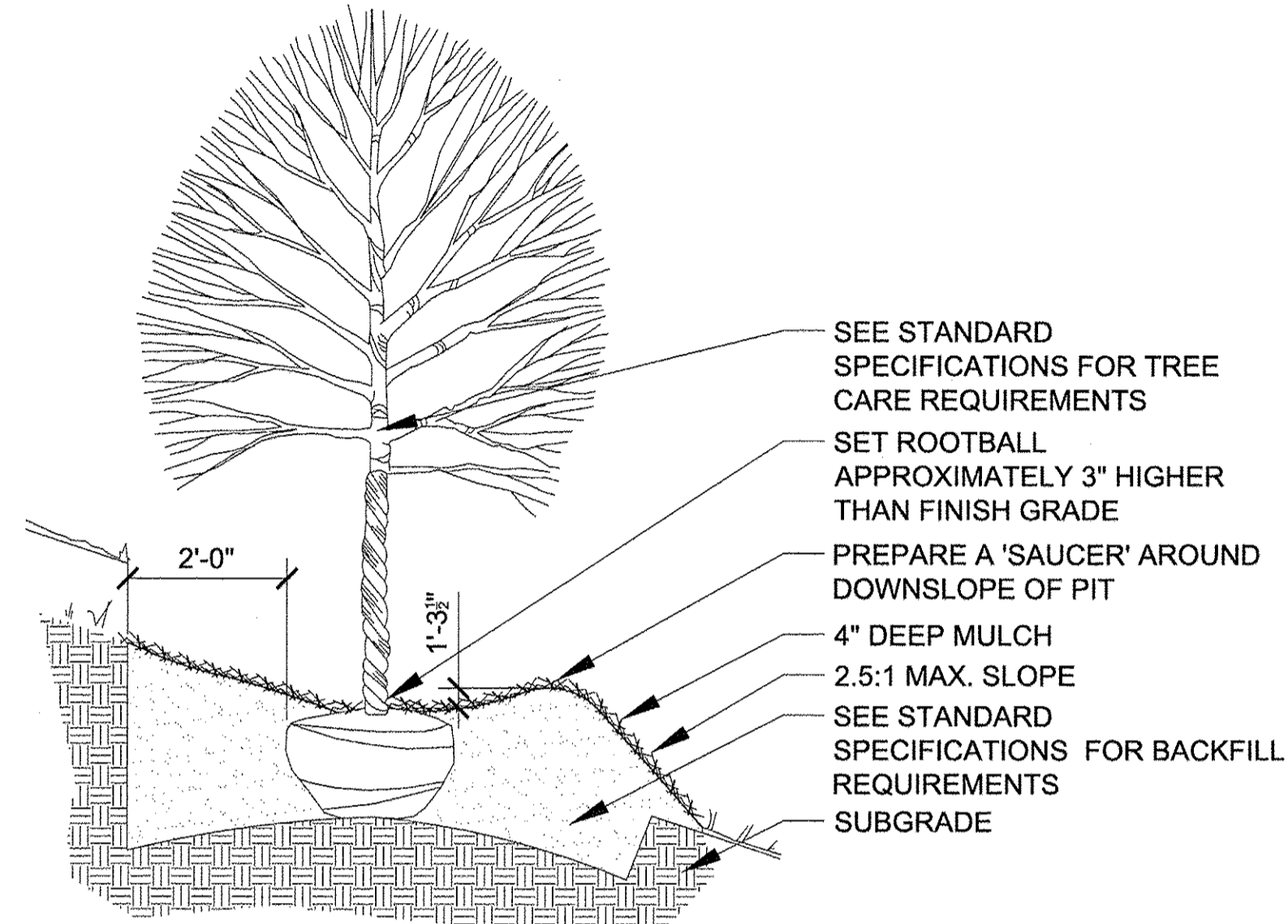
1. ALL TREES SHALL RECEIVE A MINIMUM 5' DIAMETER MULCH RING.



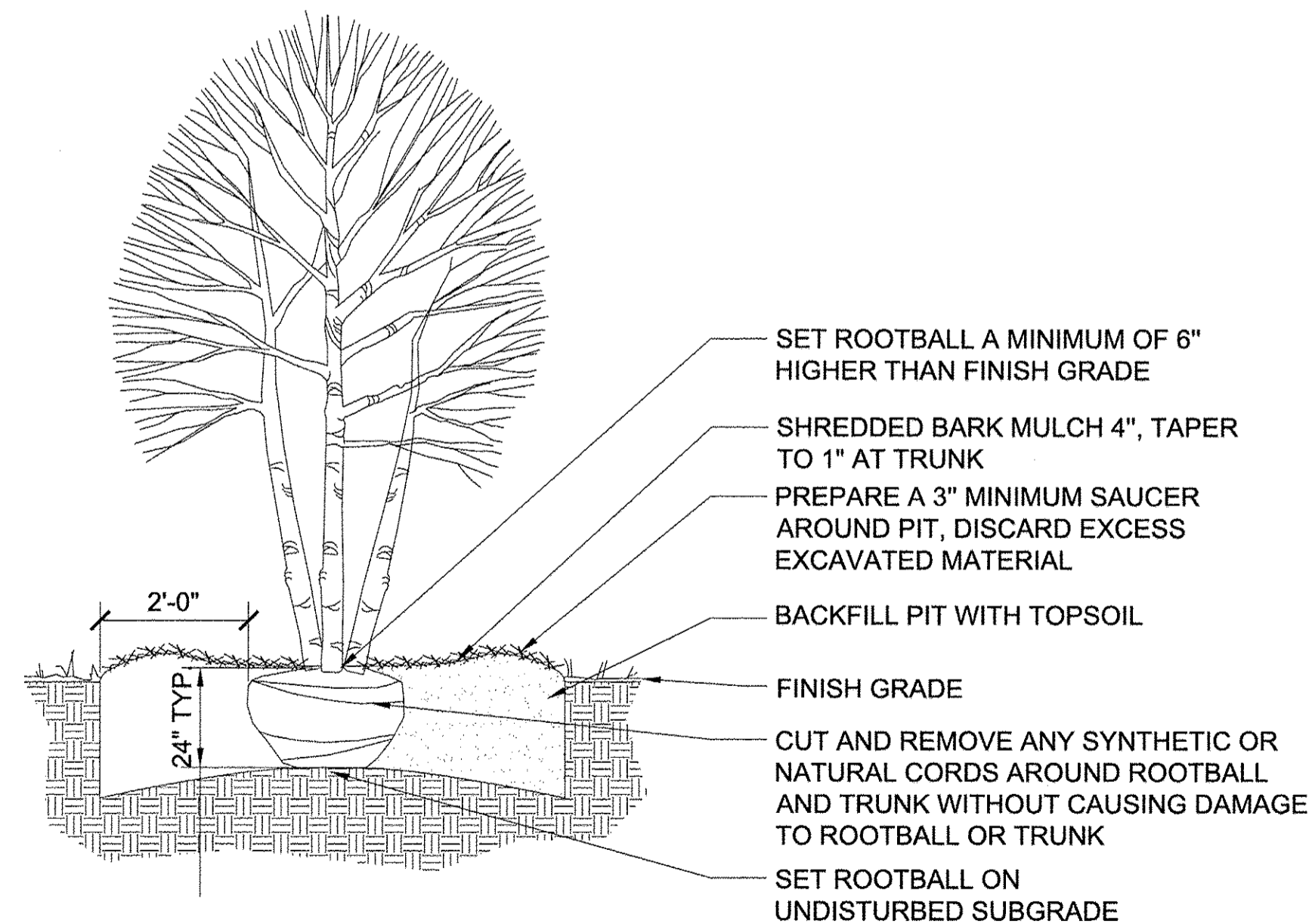
1 PERENNIAL AND GROUNDCOVER PLANTING



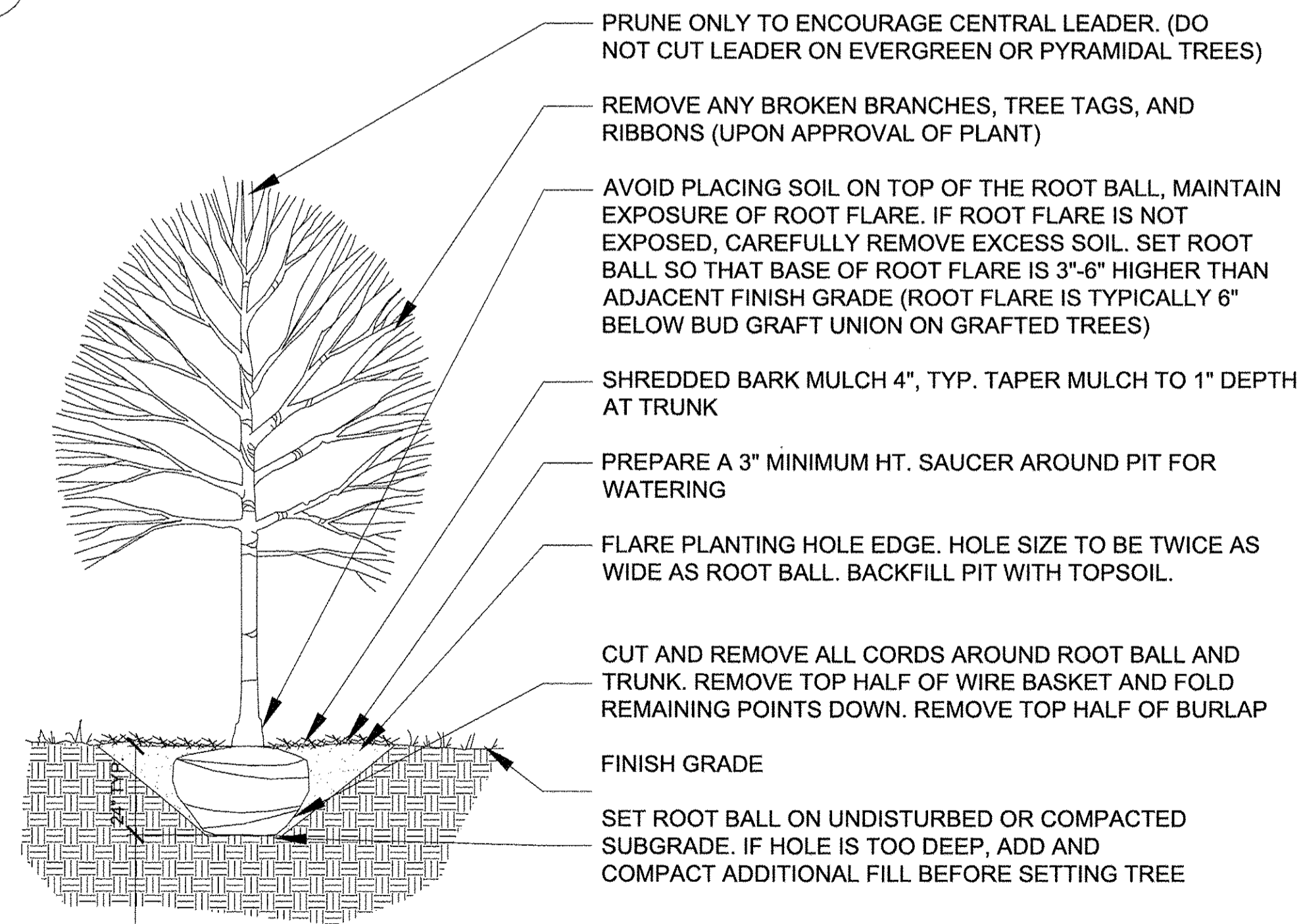
2 SHRUB PLANTING



4 SHADE TREE PLANTING - SLOPE

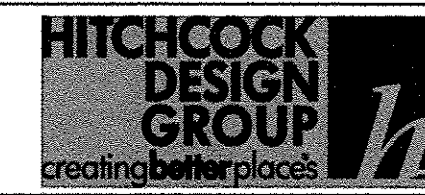


3 ORNAMENTAL TREE PLANTING



5 SHADE TREE PLANTING

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USER NAME = bshoefliger	DESIGNED - MW	REVISED -
	DRAWN - AT	REVISED -
PLOT SCALE = 10.0000' / 1\"/>		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TREE PLANTING DETAILS

SCALE: N.T.S. SHEET NO. 296 OF 477 SHEETS

F.A.P. RTE. 361	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 296
CONTRACT NO. 61C41				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

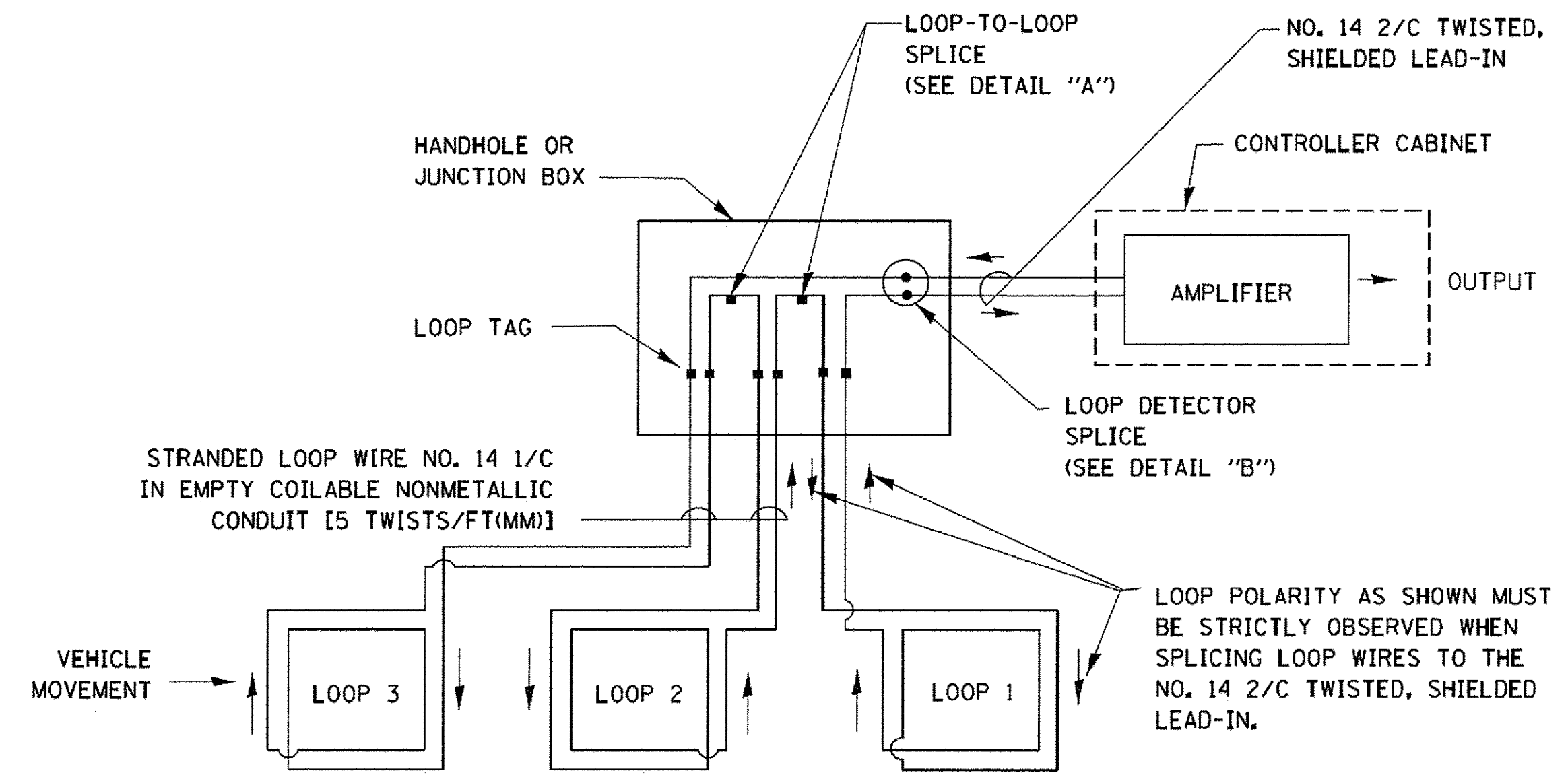
ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			SIGNAL POST AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
GUY WIRE				ABANDON ITEM	A			SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				QUEUE DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				PREFORMED QUEUE DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE							
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL							
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT							
DETECTOR LOOP, TYPE I				RADIO REPEATER							
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

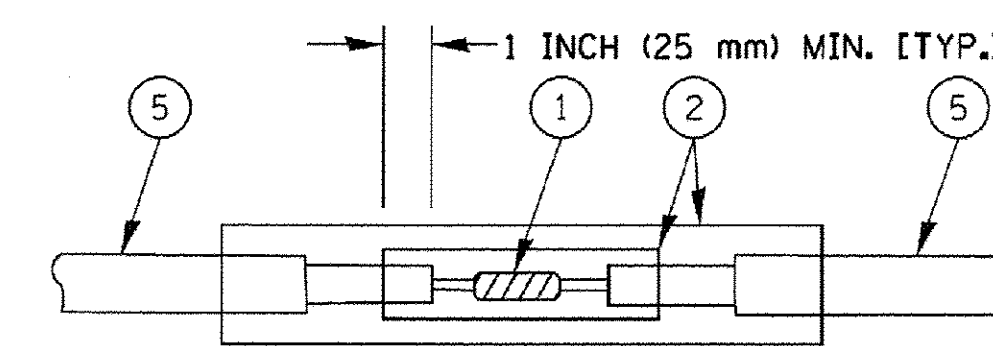
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

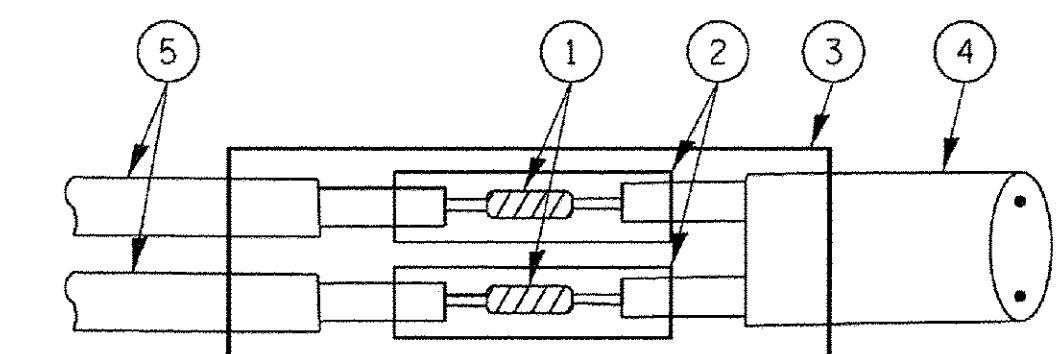


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm), IF IN CONCRETE. THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



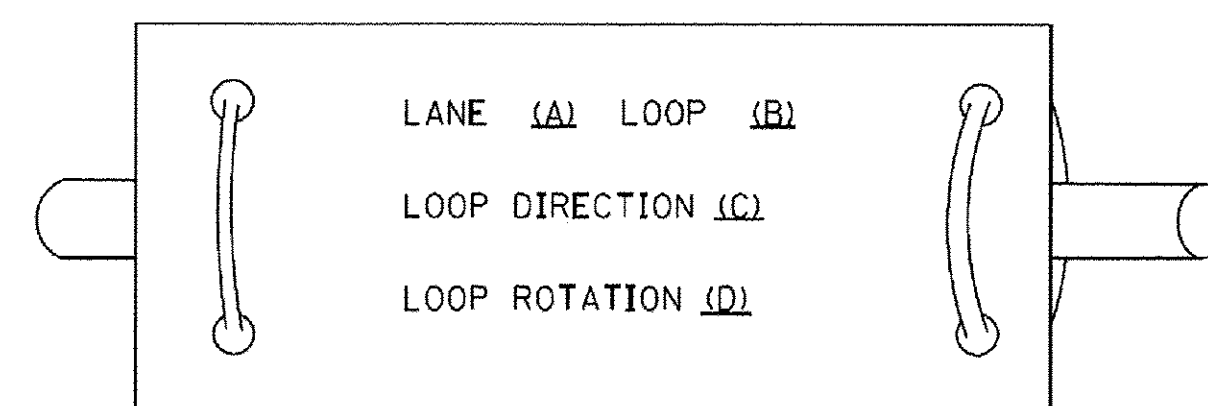
DETAIL "A"
LOOP-TO-LOOP SPLICE



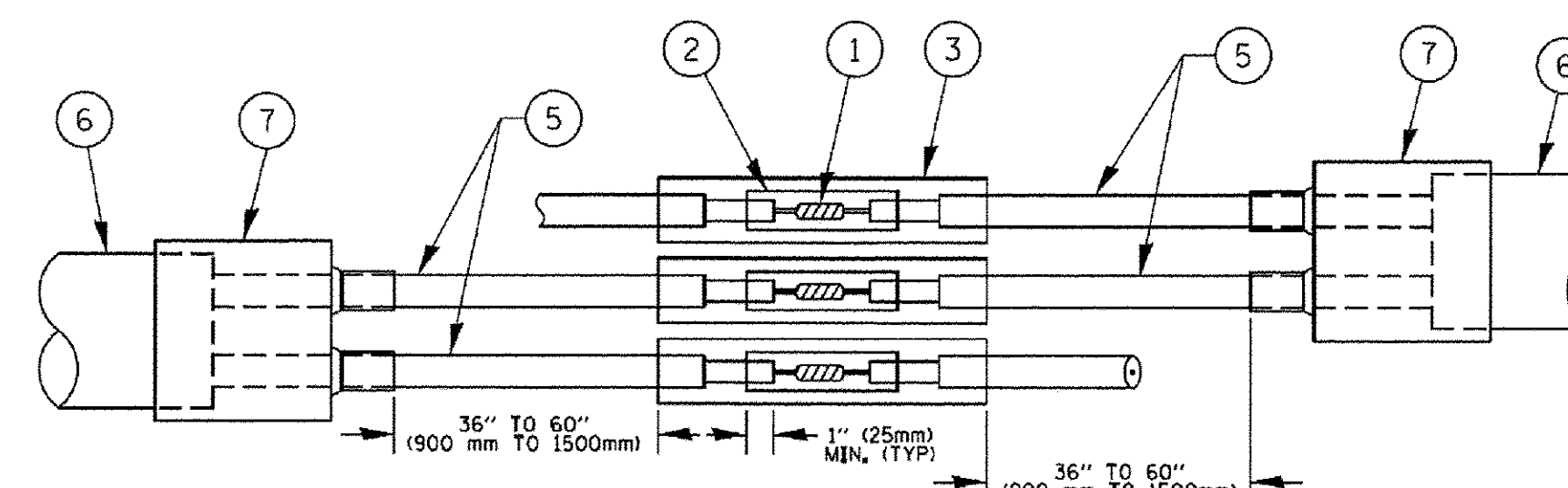
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP

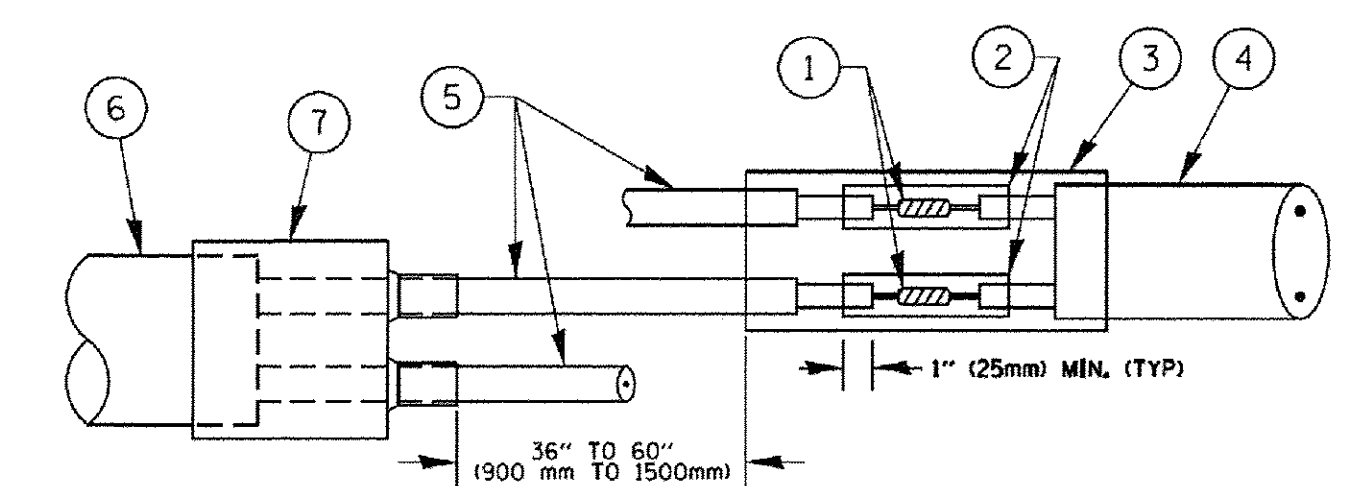
LOOP LEAD-IN CABLE TAG



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



DETAIL "A"
LOOP-TO-LOOP SPLICE



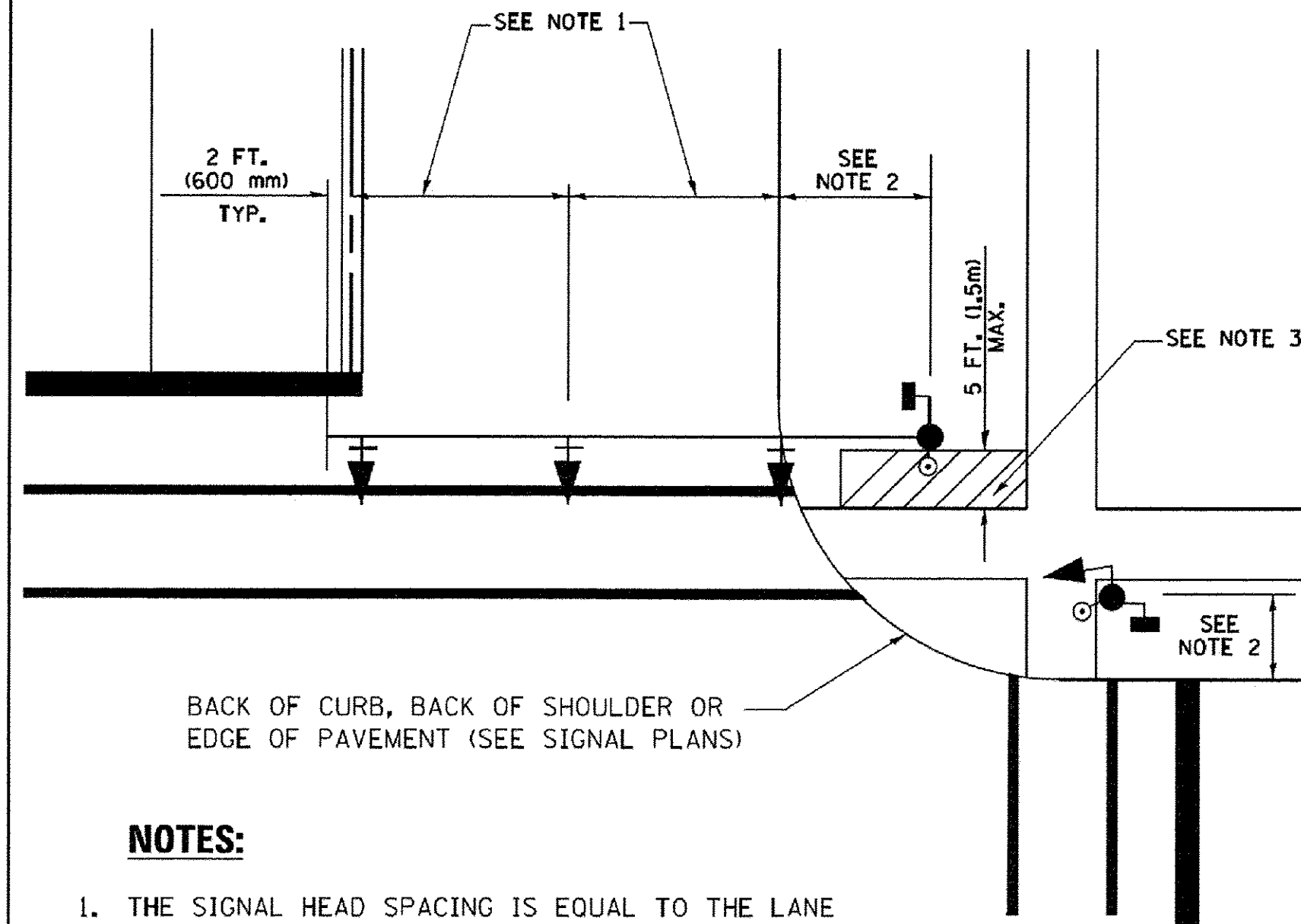
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PREFORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

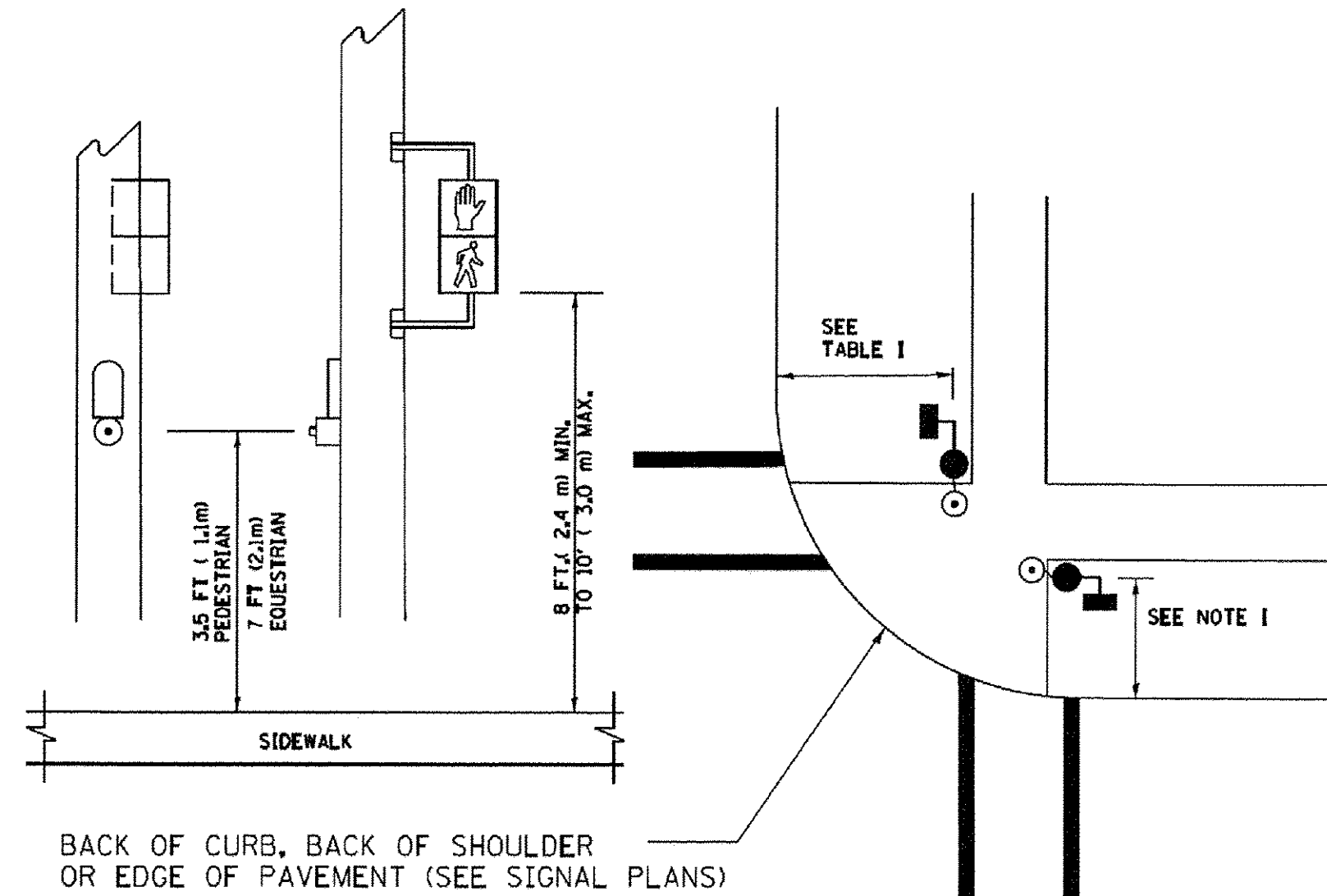
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

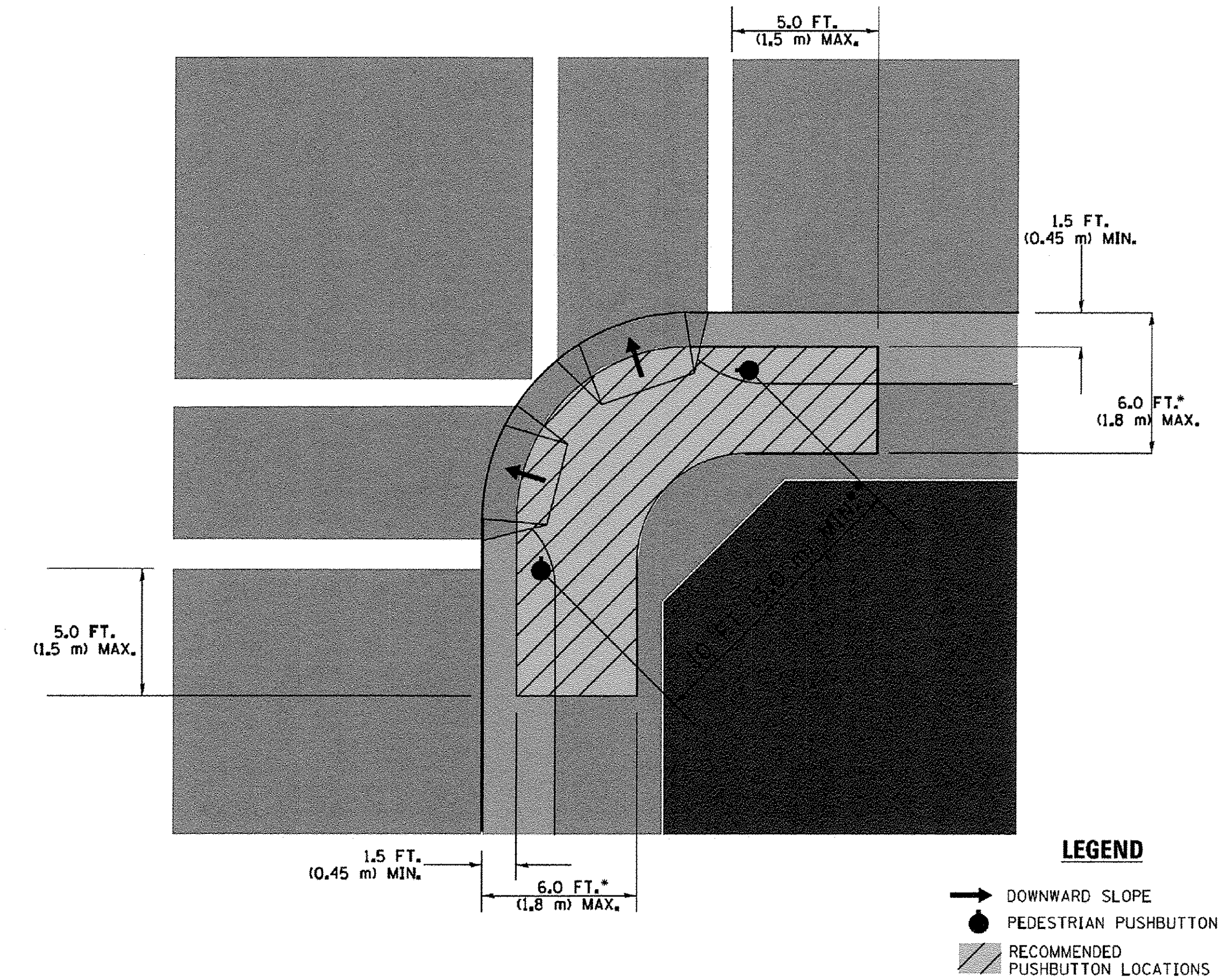
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

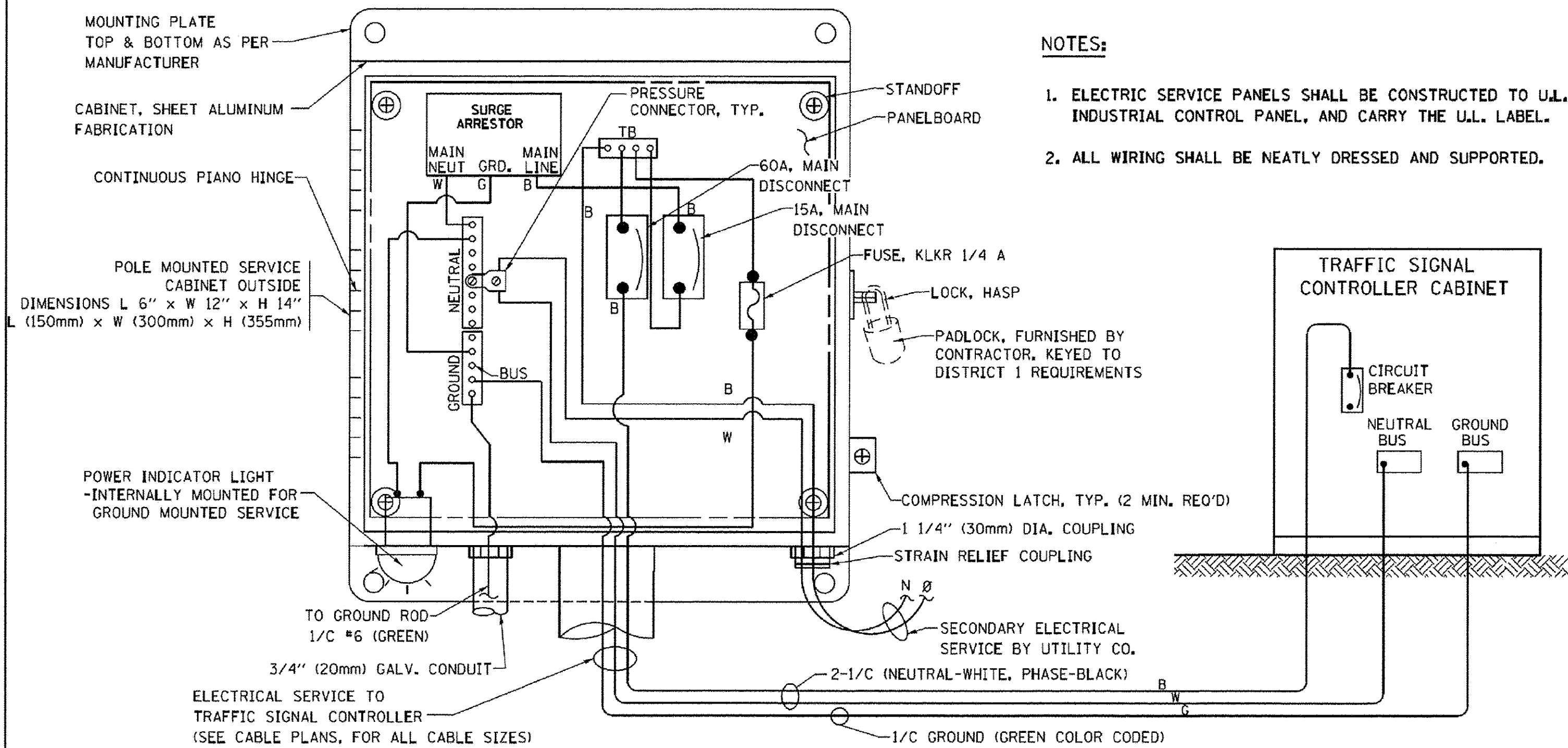
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

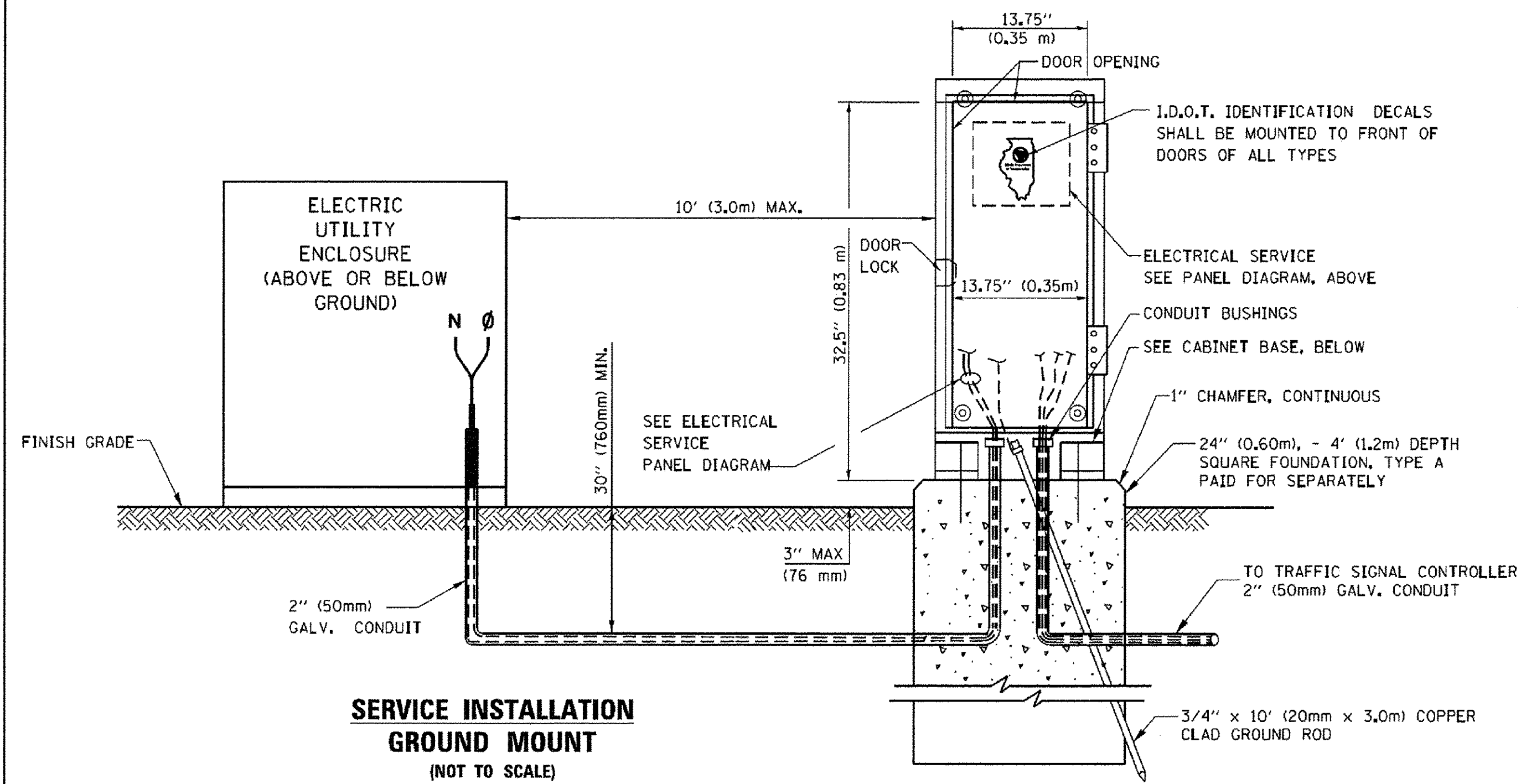
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD AFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

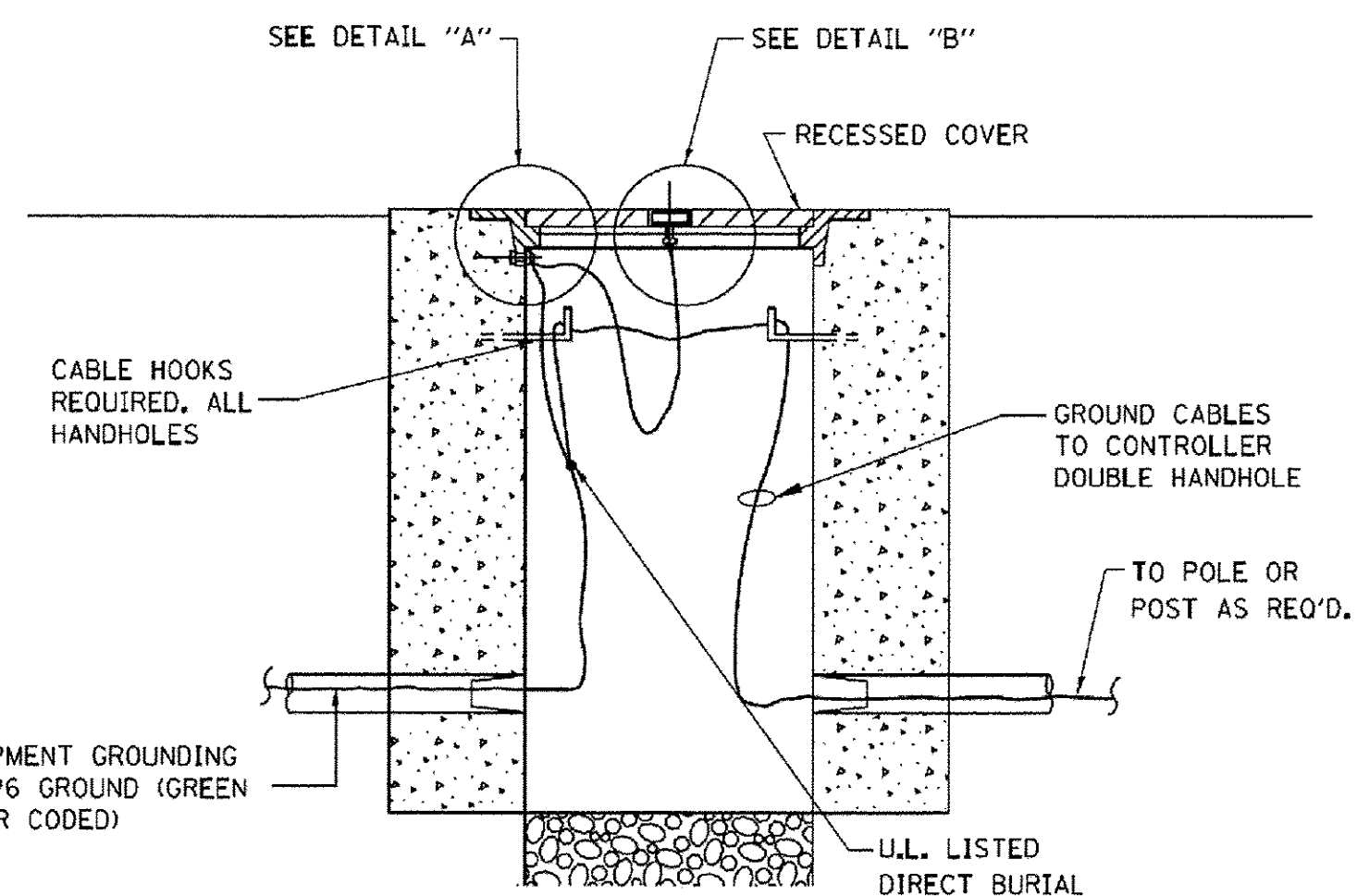
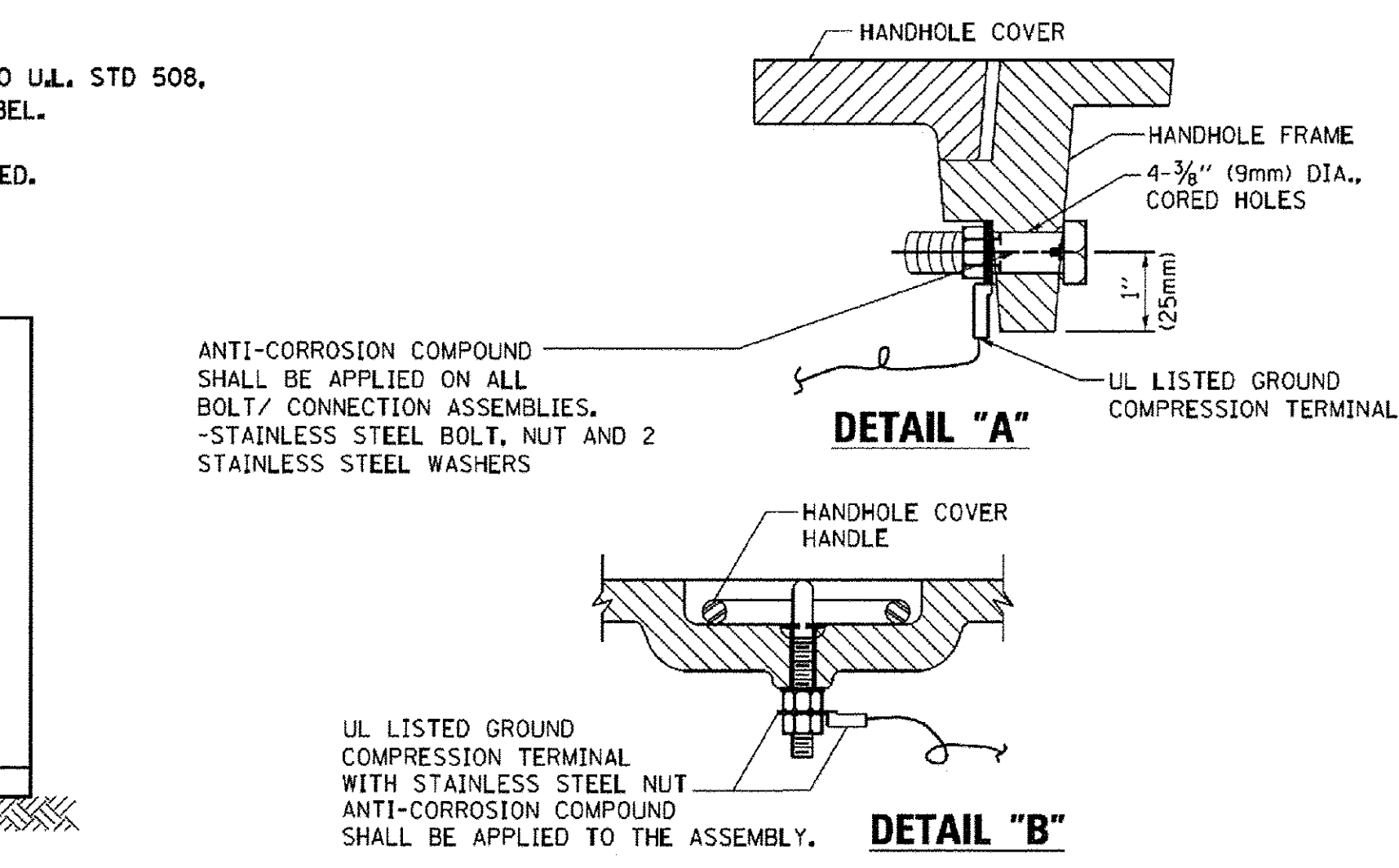
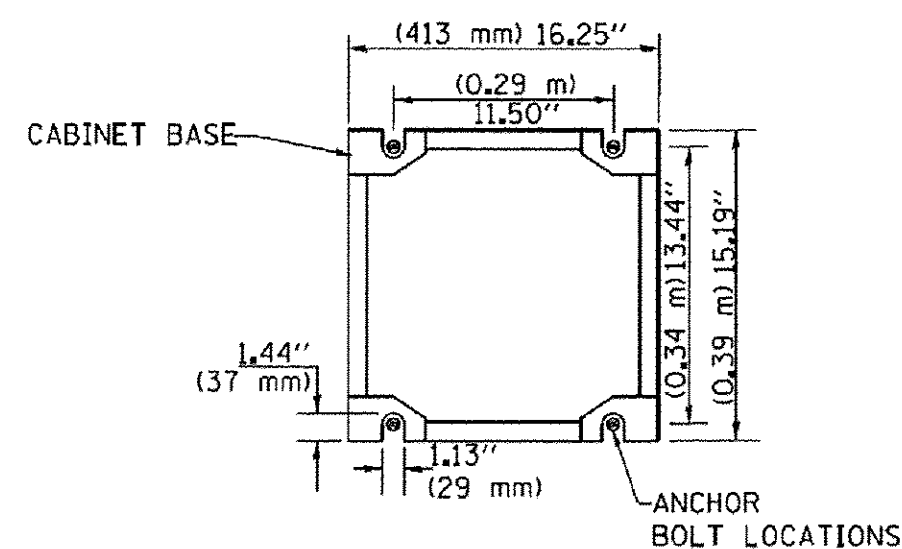


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)

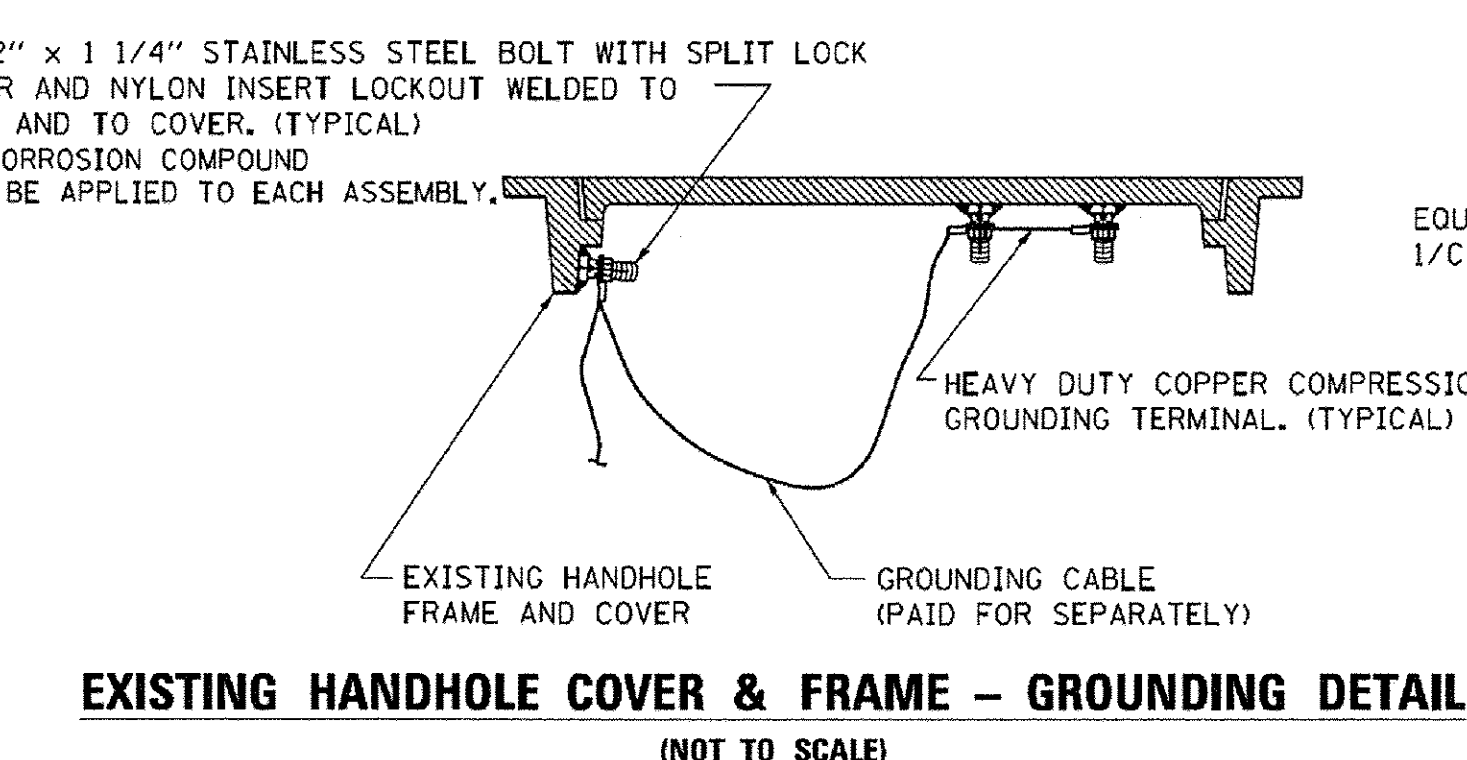


SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)

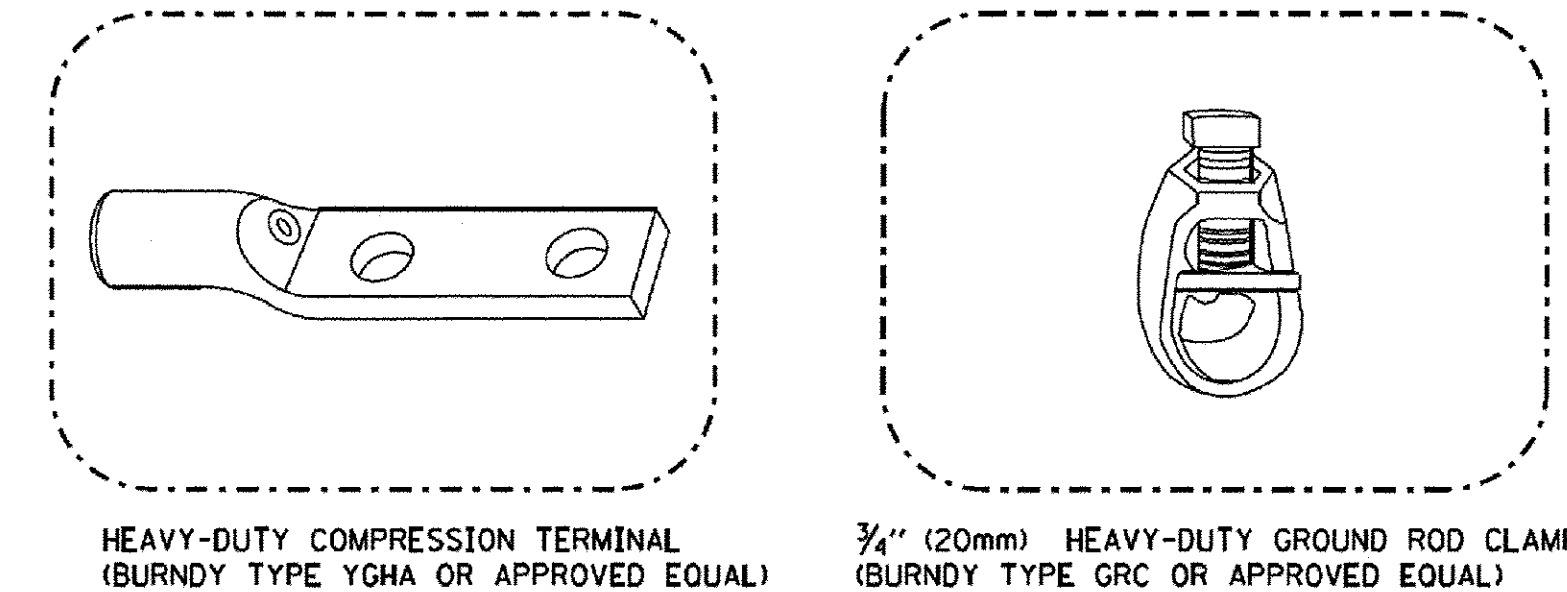
CABINET - BASE BOLT PATTERN (NOT TO SCALE)



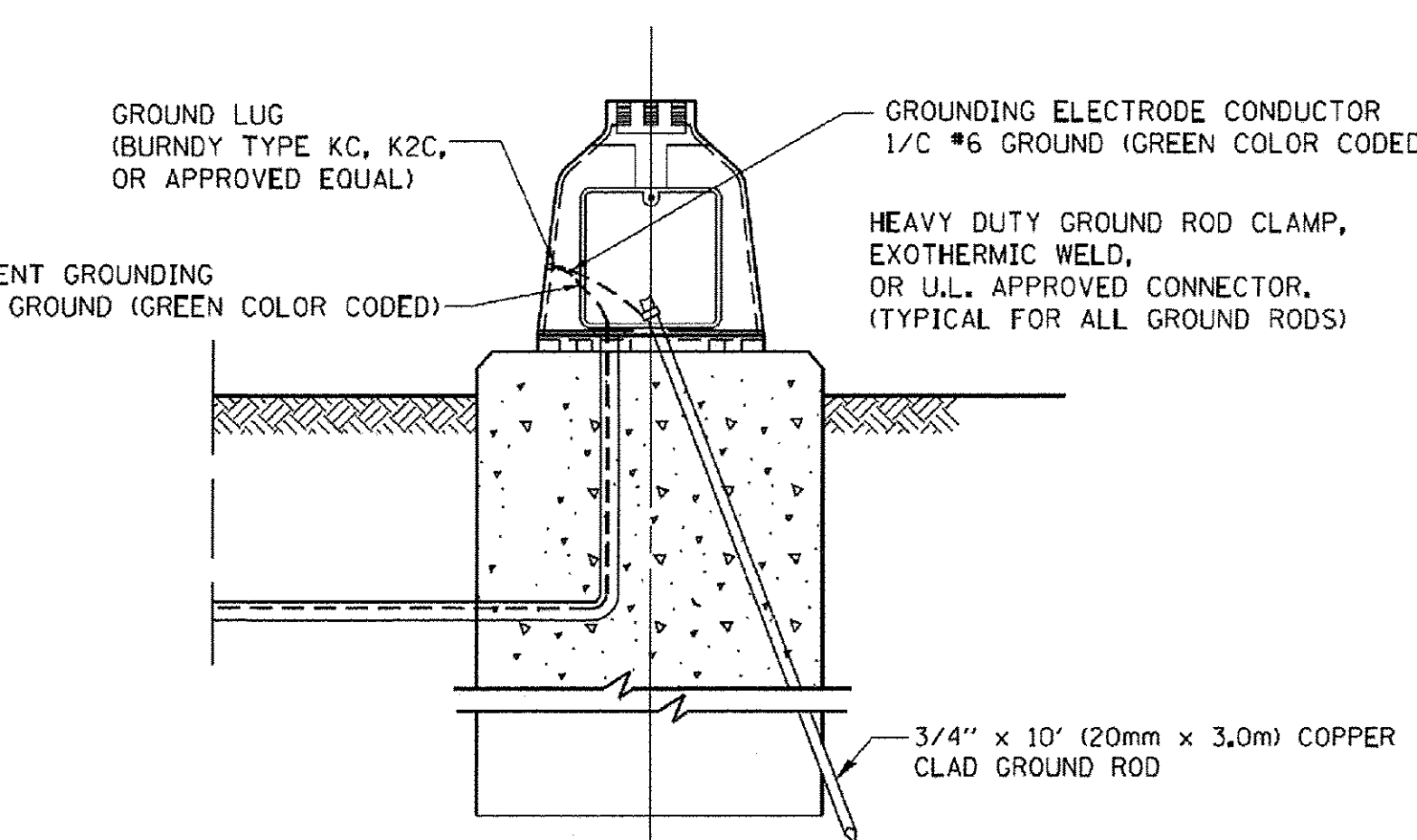
HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)

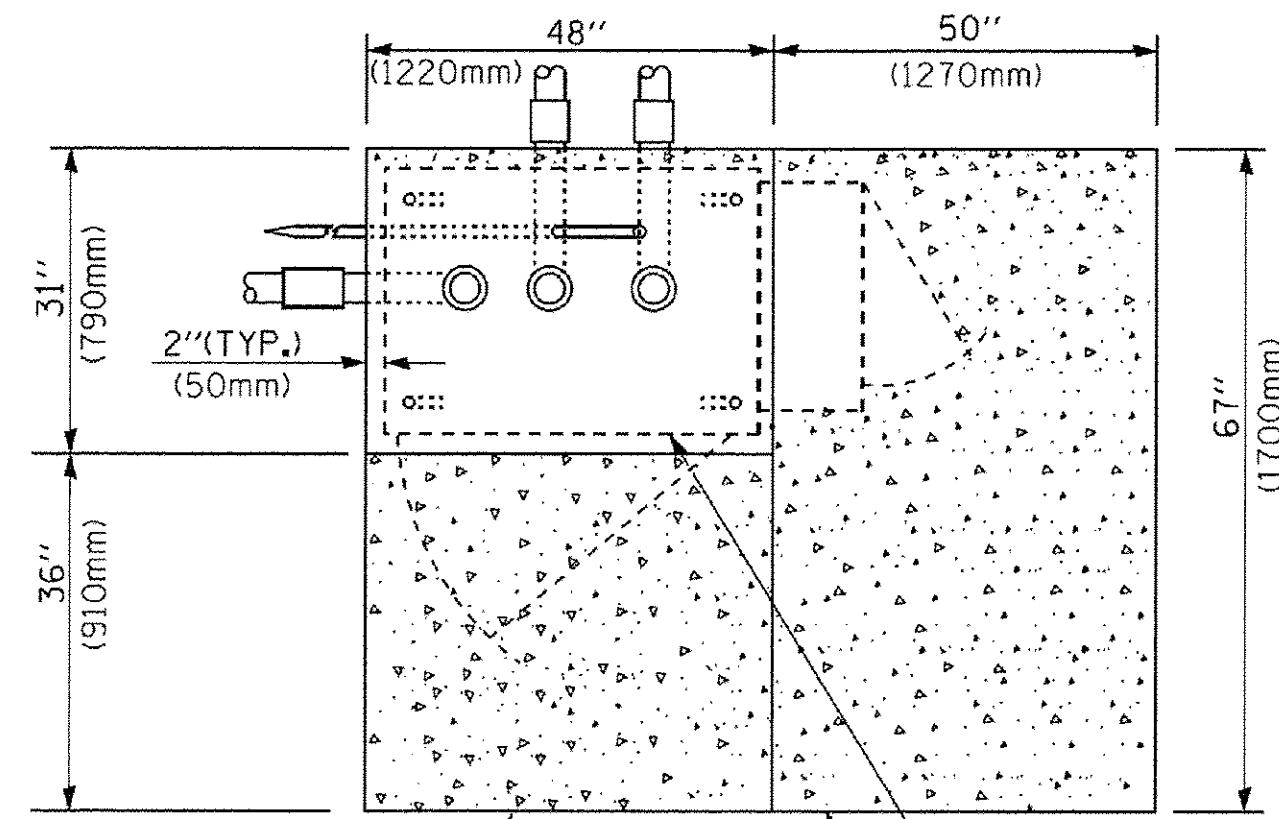


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

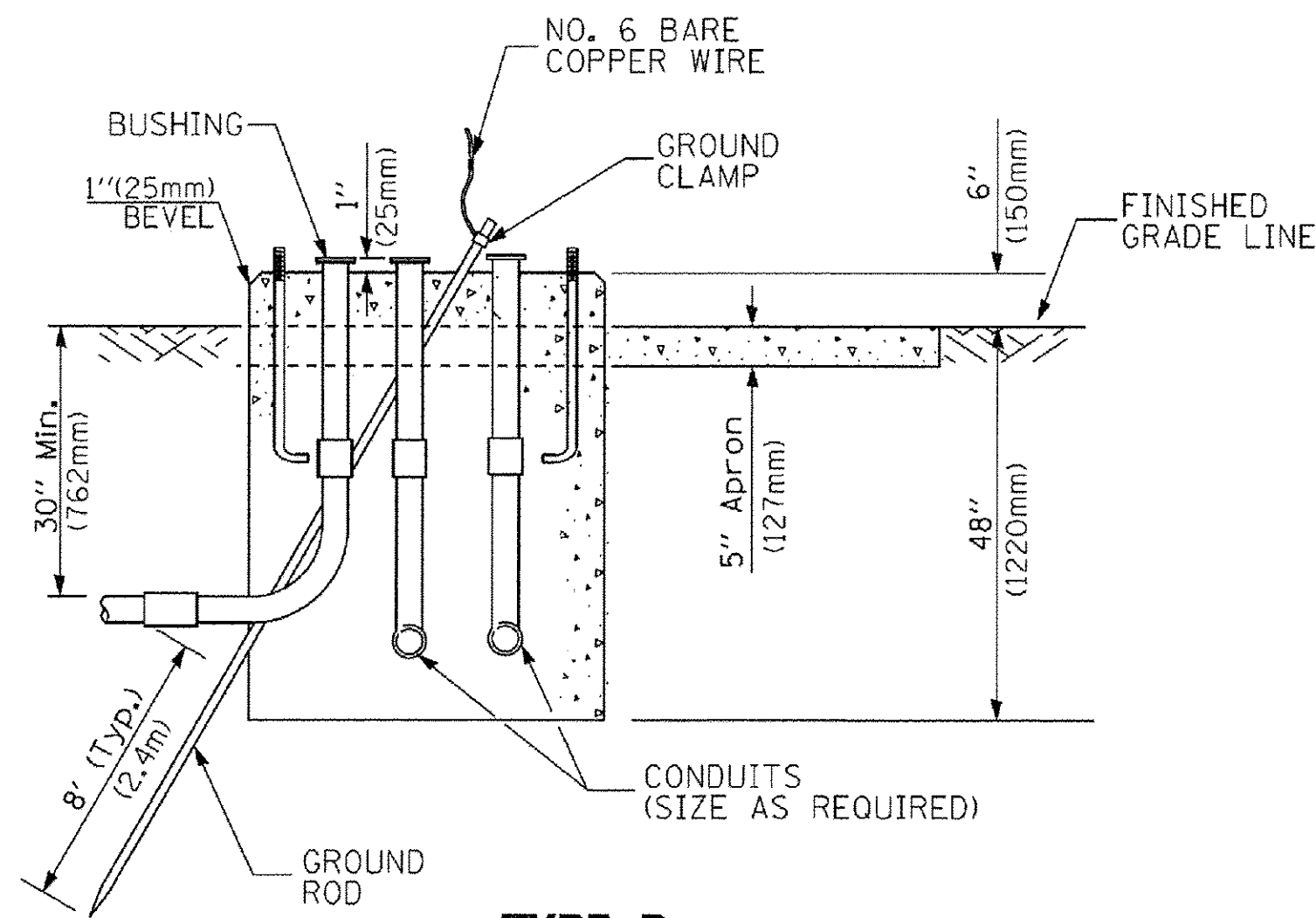


MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)

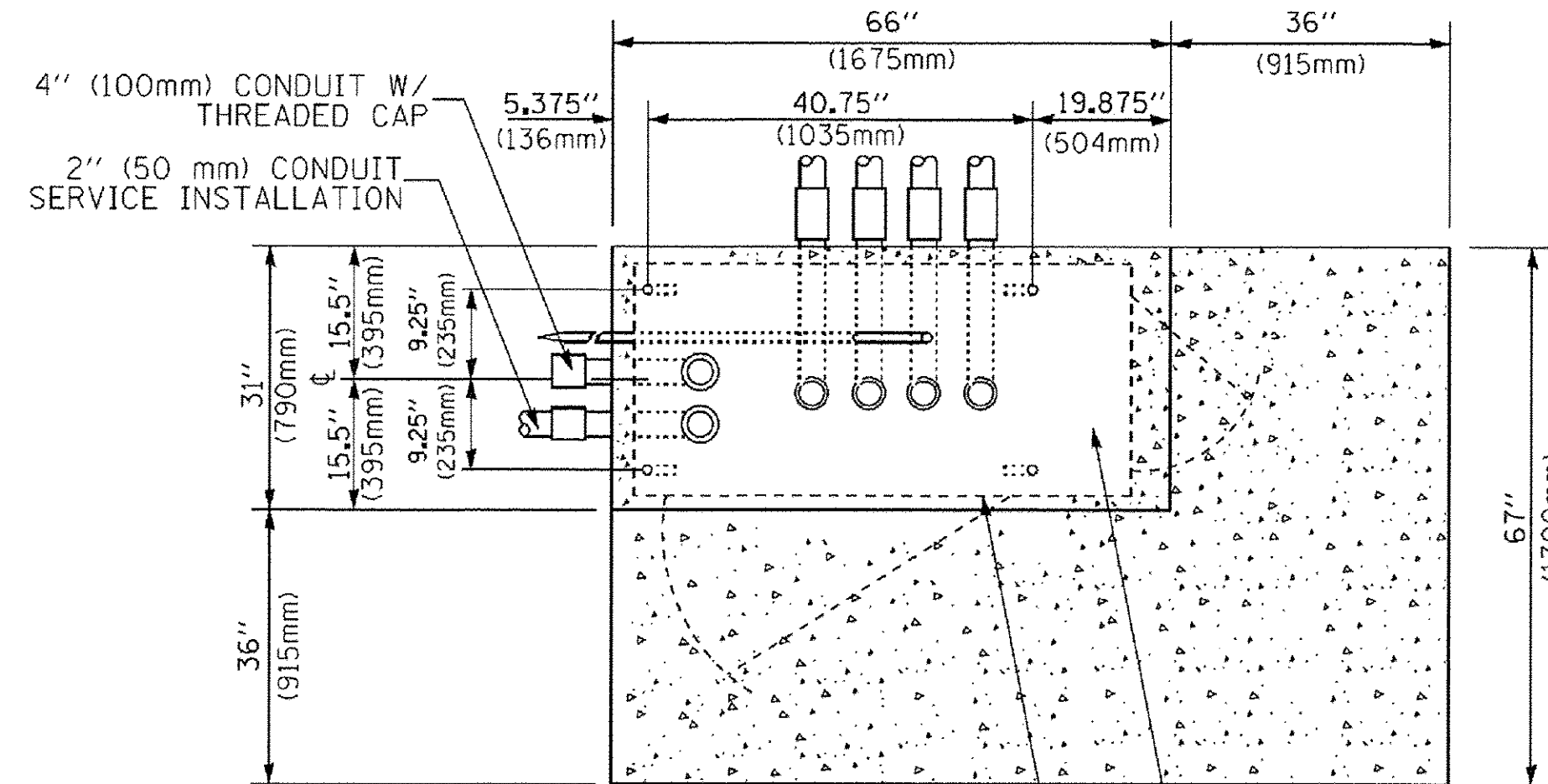
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PLOT DATE = 1/13/2014	DATE - 10-28-09	DATE - 10-28-09	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
SCALE: NONE		SHEET NO. 4 OF 7 SHEETS		STA. TO STA.						



TOP VIEW

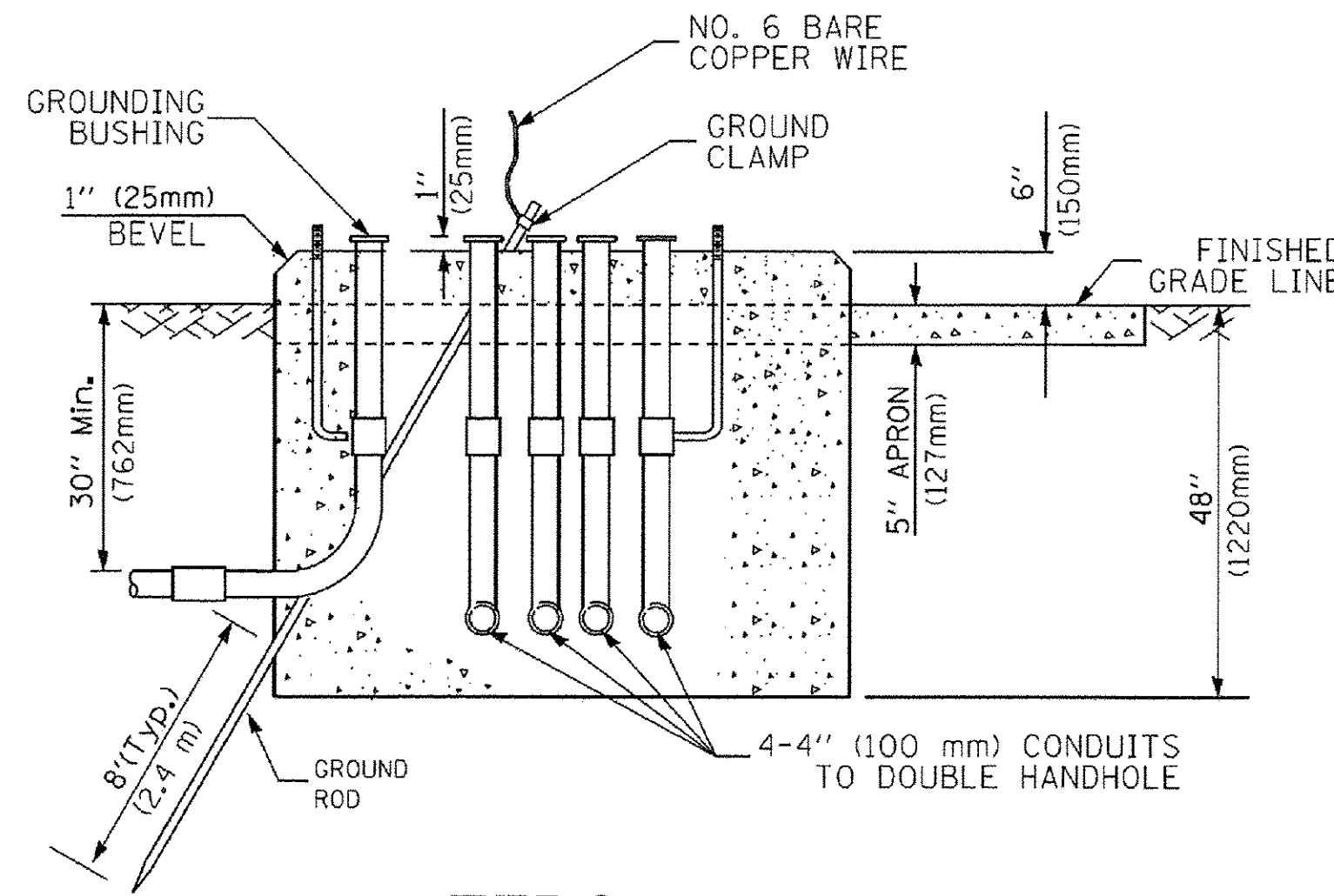


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

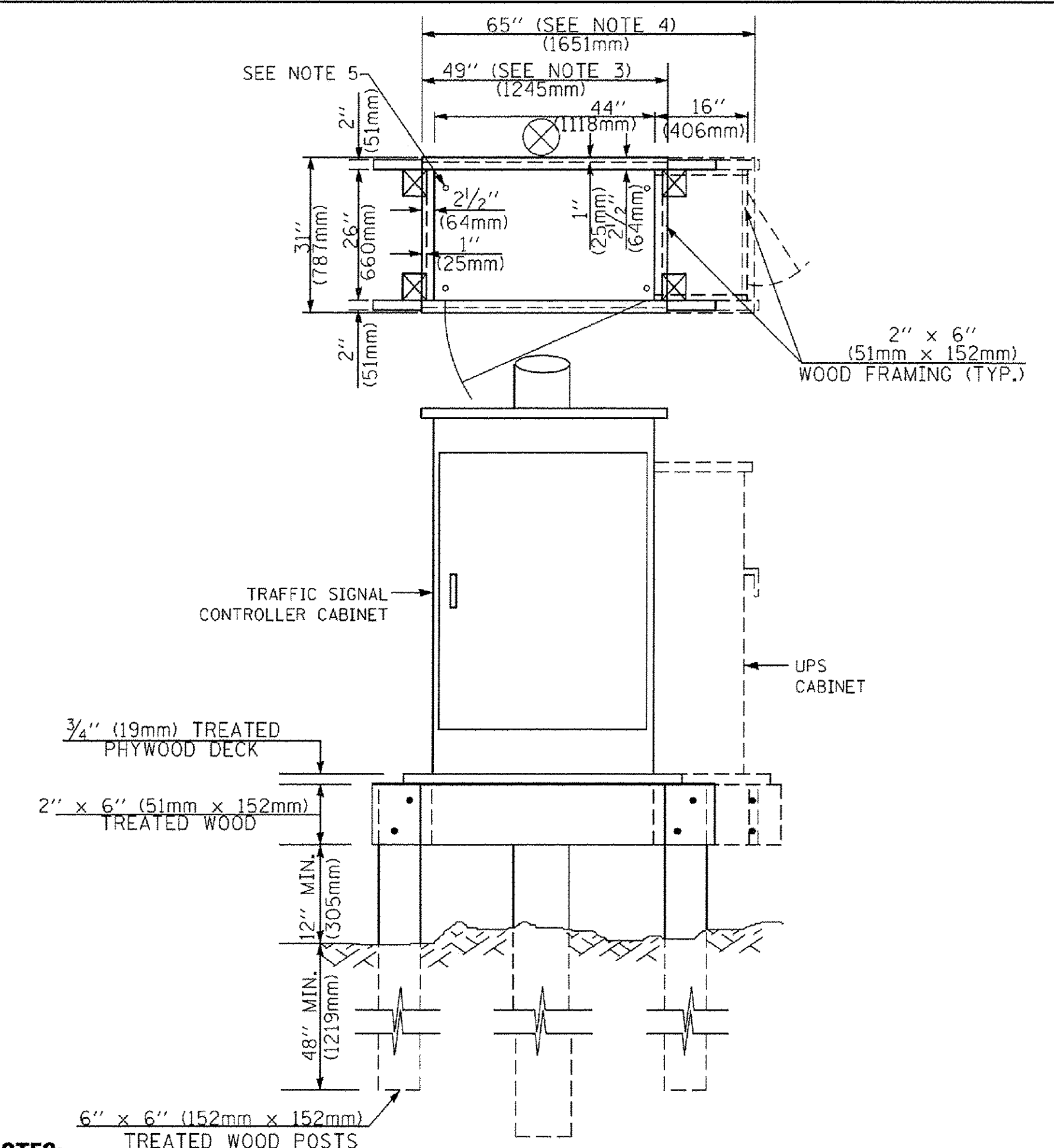


TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL
BE HIGHER THAN TOP OF
DOUBLE HANDHOLE



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

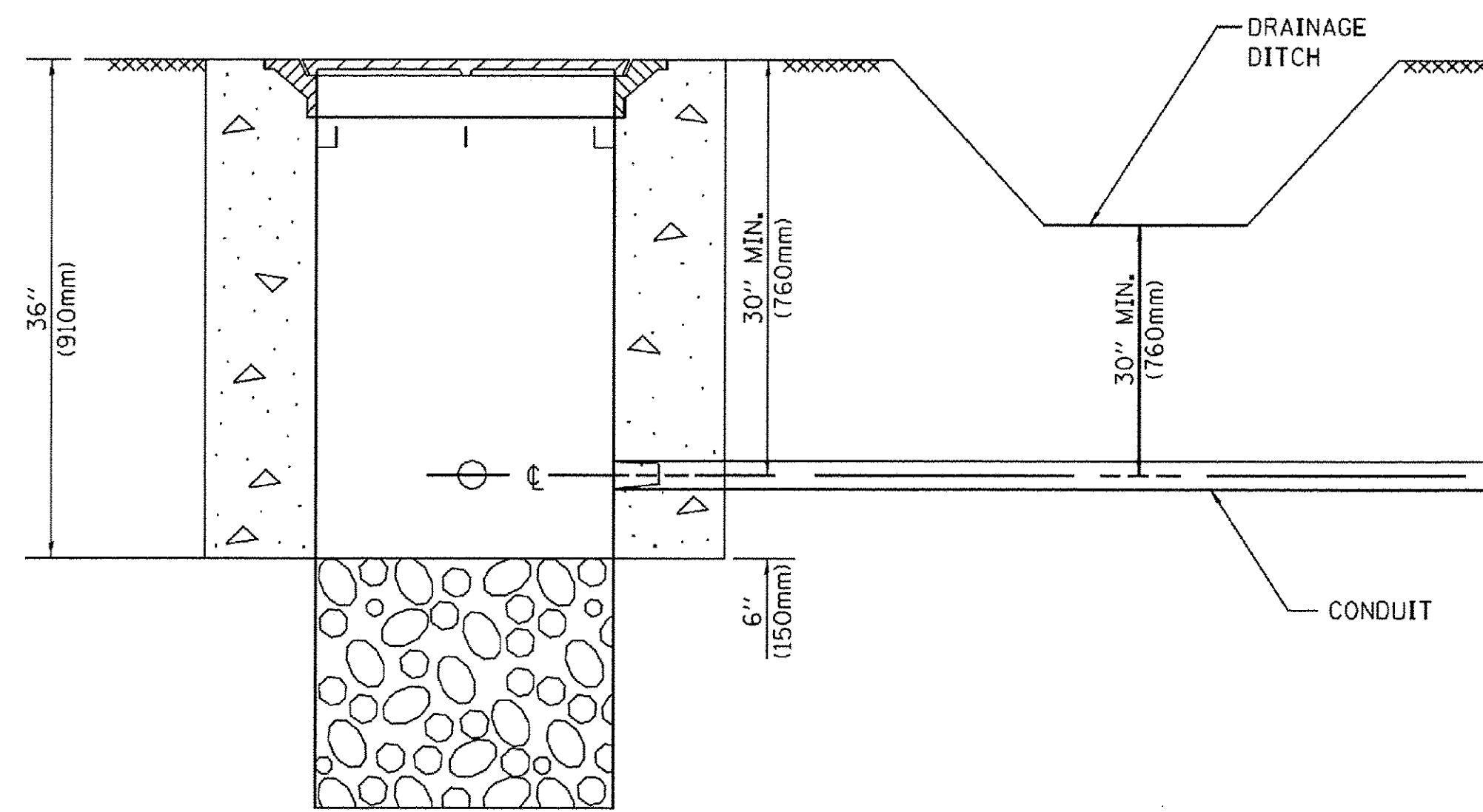
DEPTH OF FOUNDATION

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001..

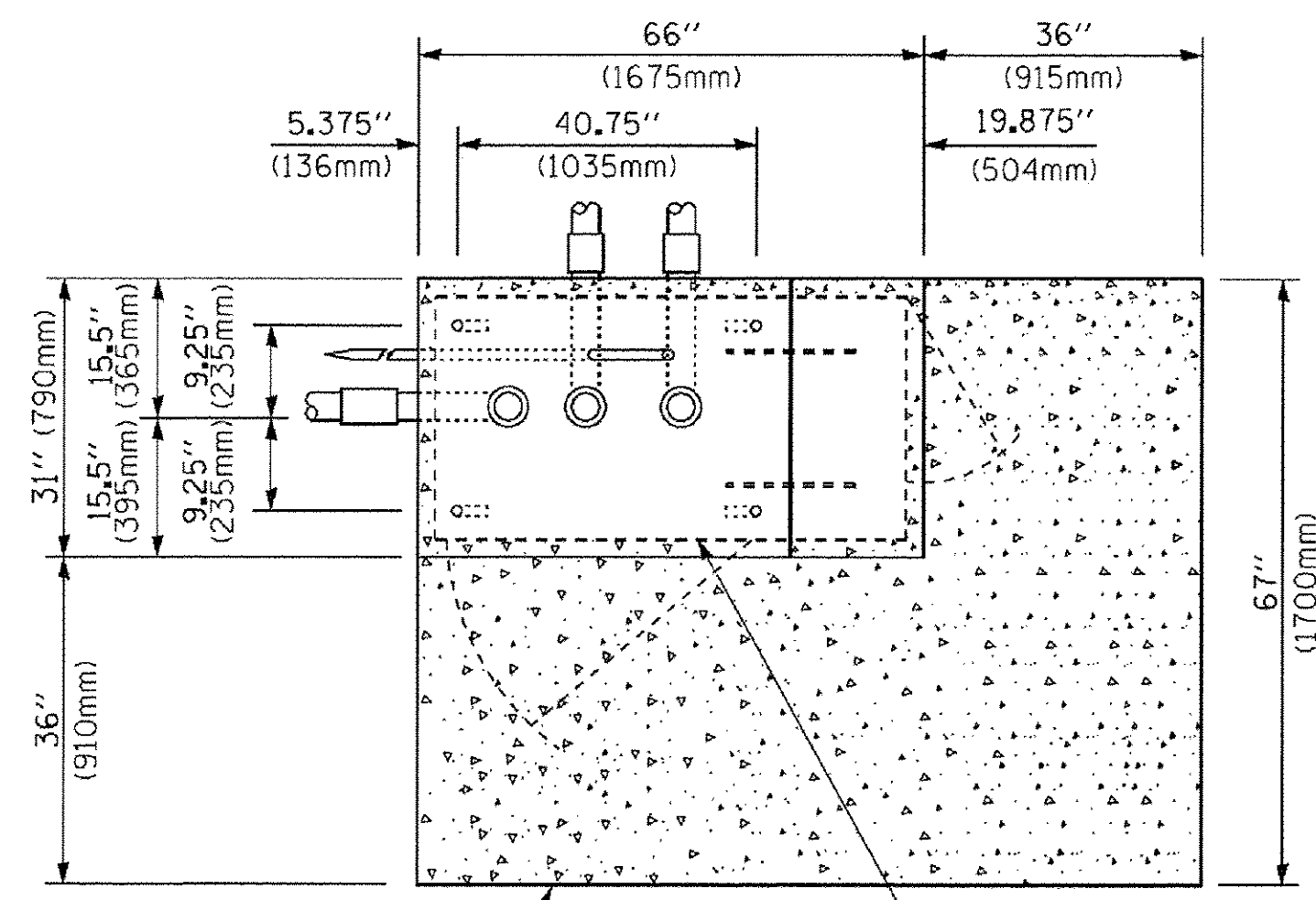
DEPTH OF MAST ARM FOUNDATIONS, TYPE E



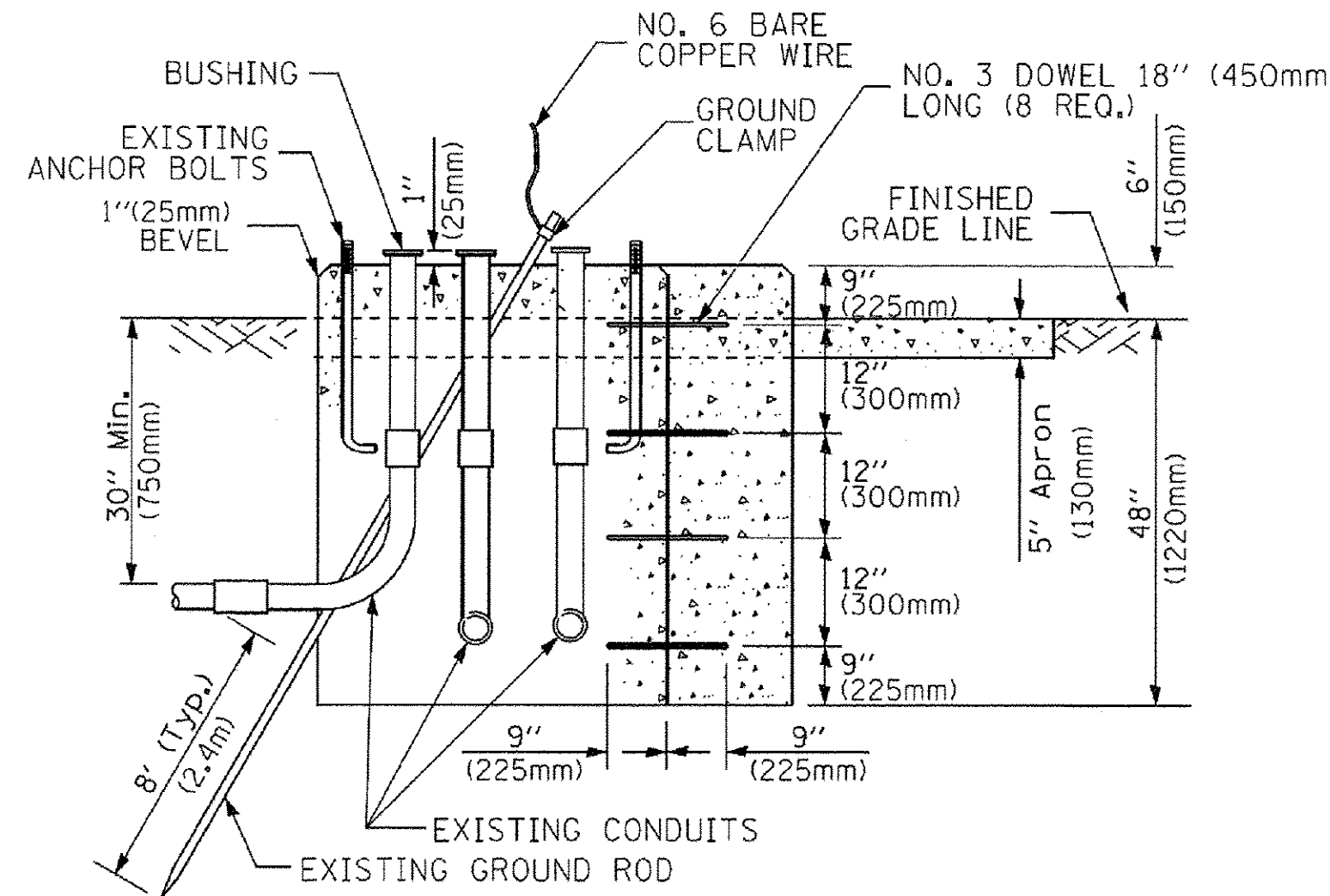
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

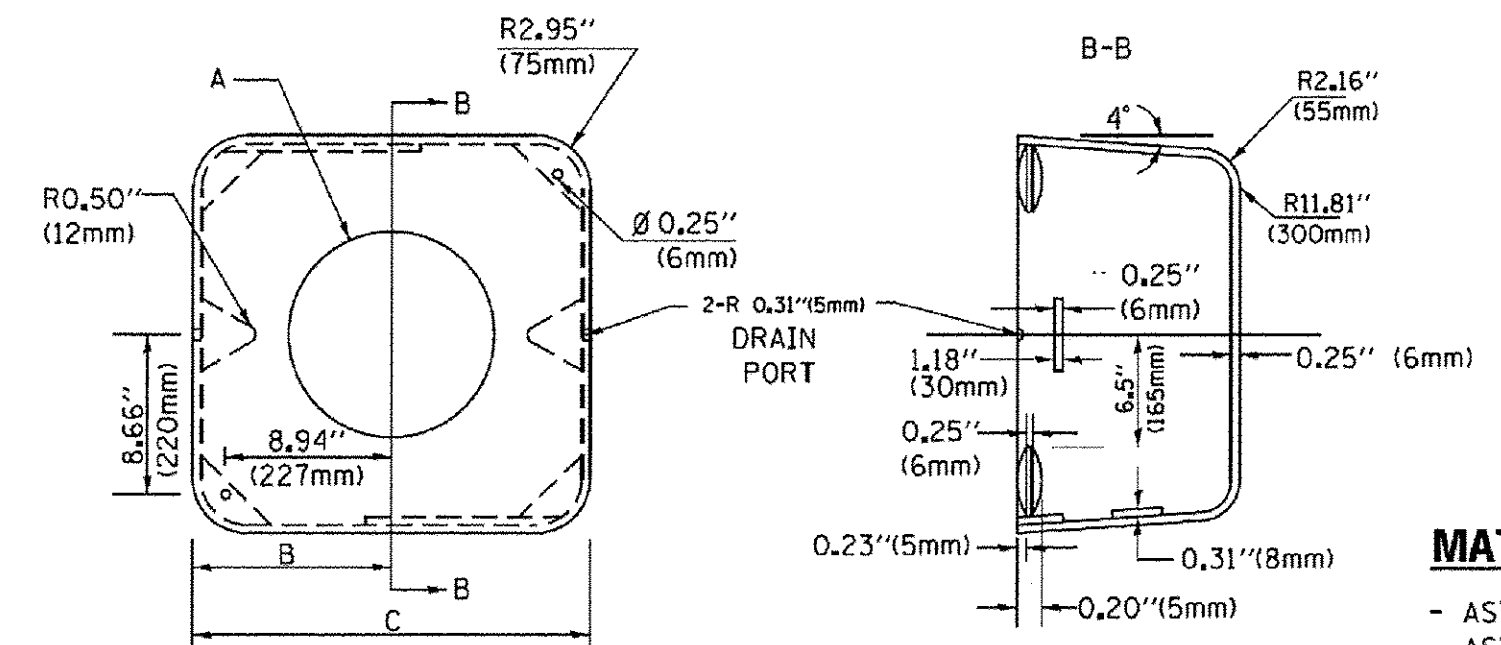
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIABLES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIABLES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIABLES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

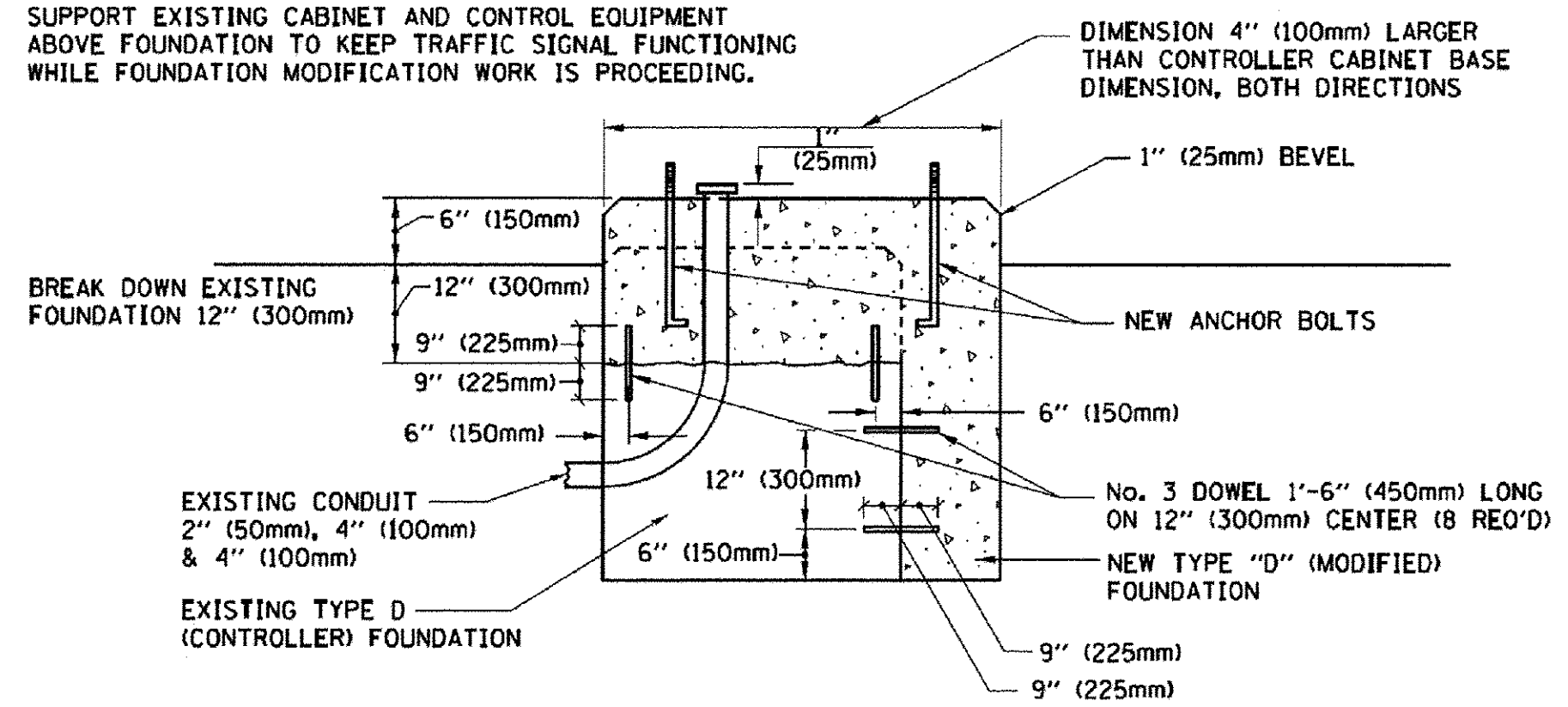
SHROUD

NOTES:

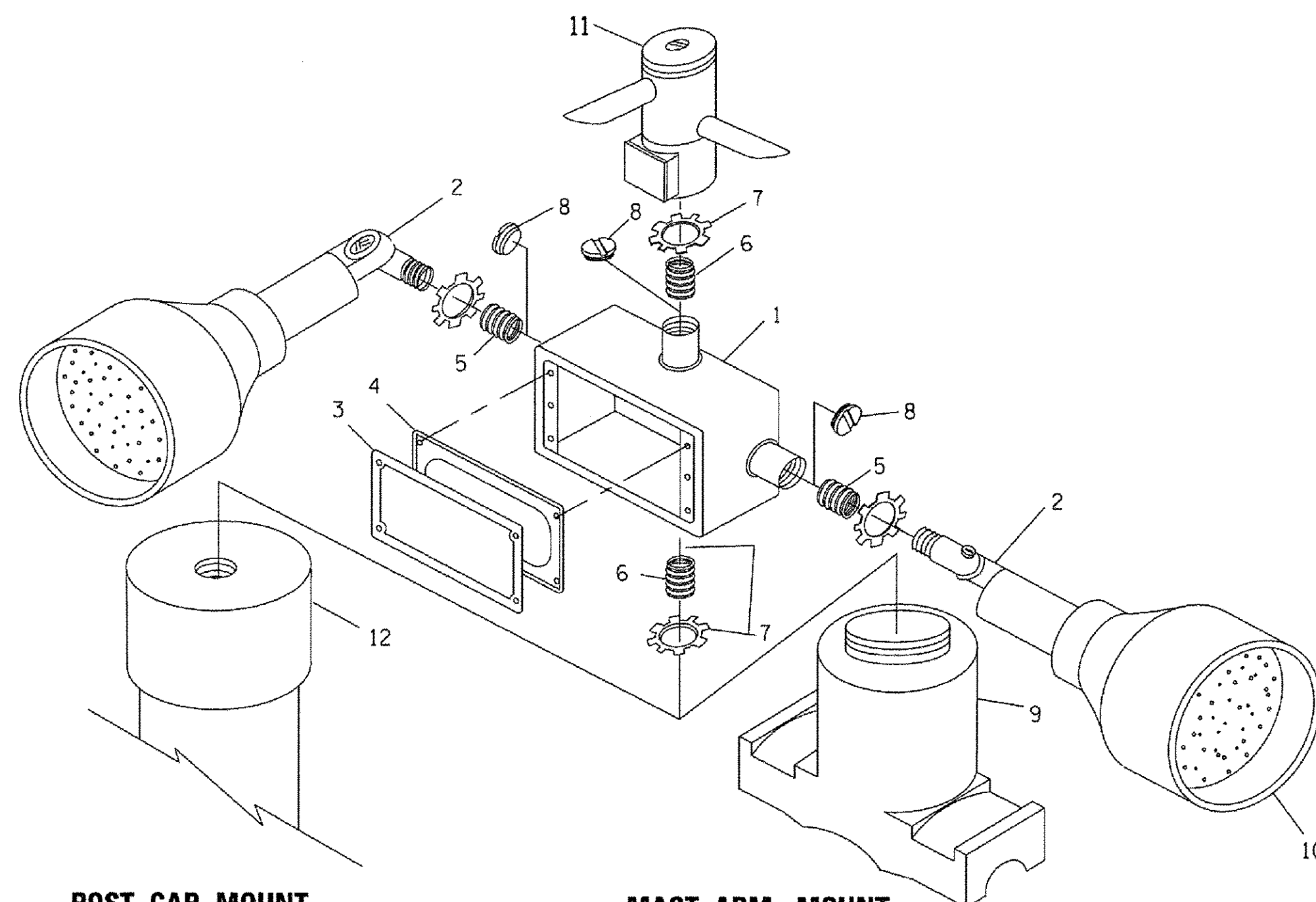
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



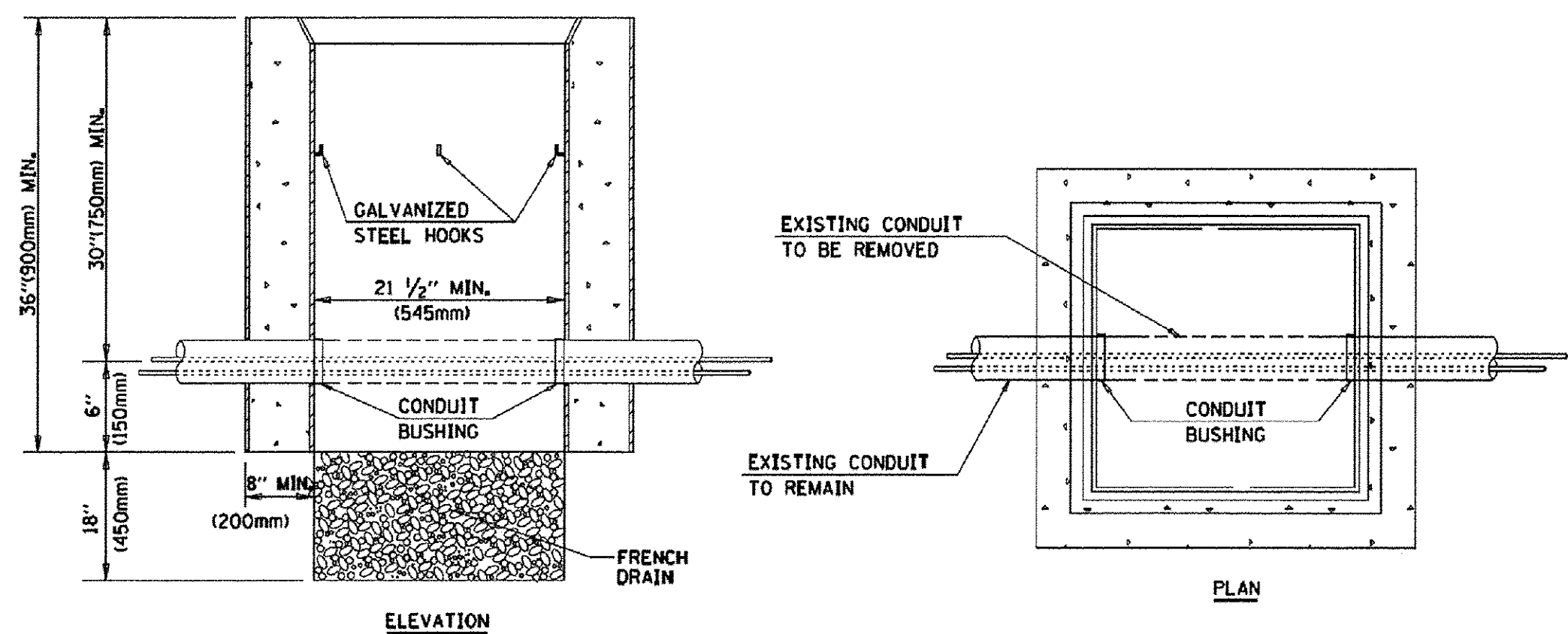
MODIFY EXISTING TYPE "D" FOUNDATION



ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

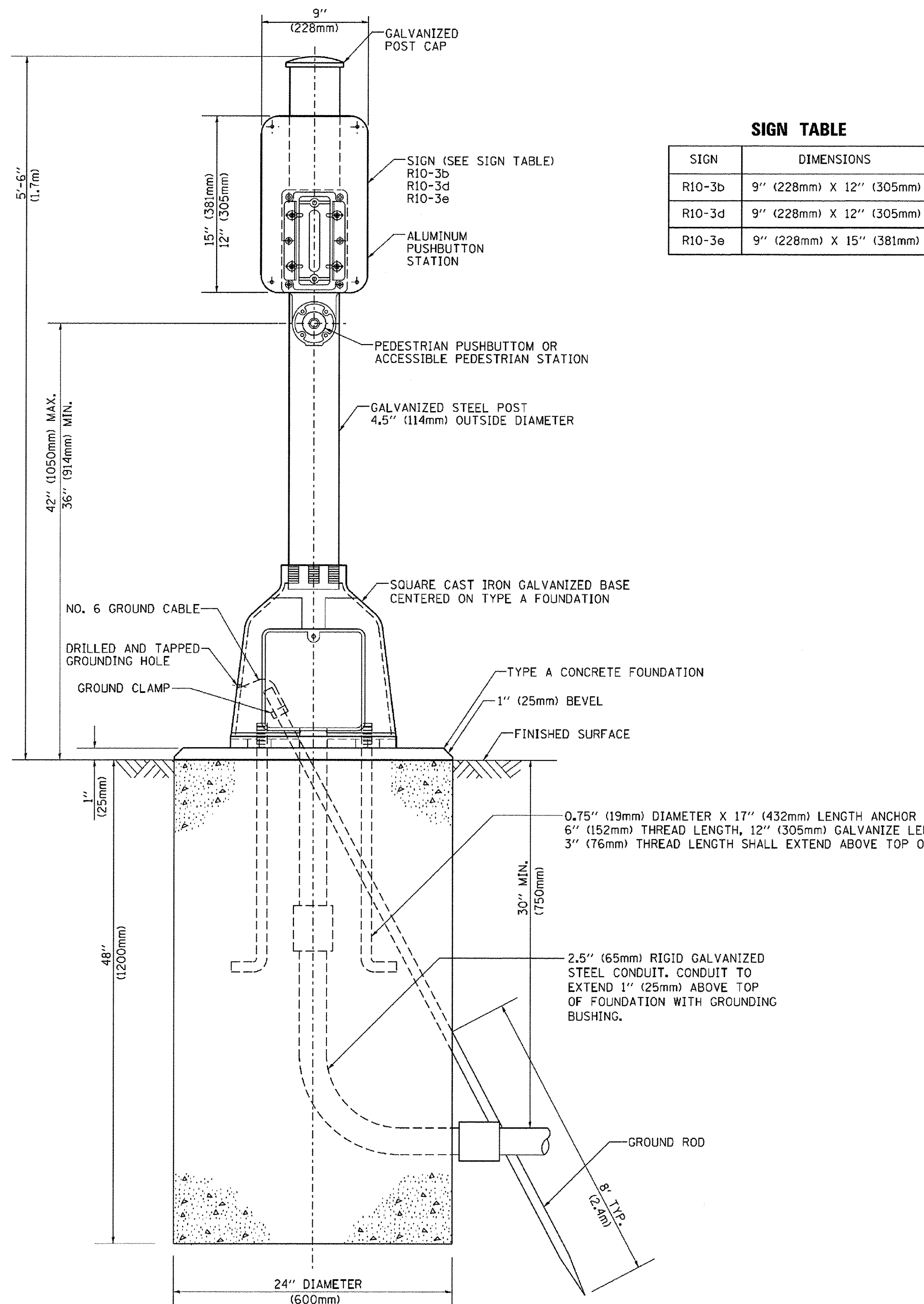
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

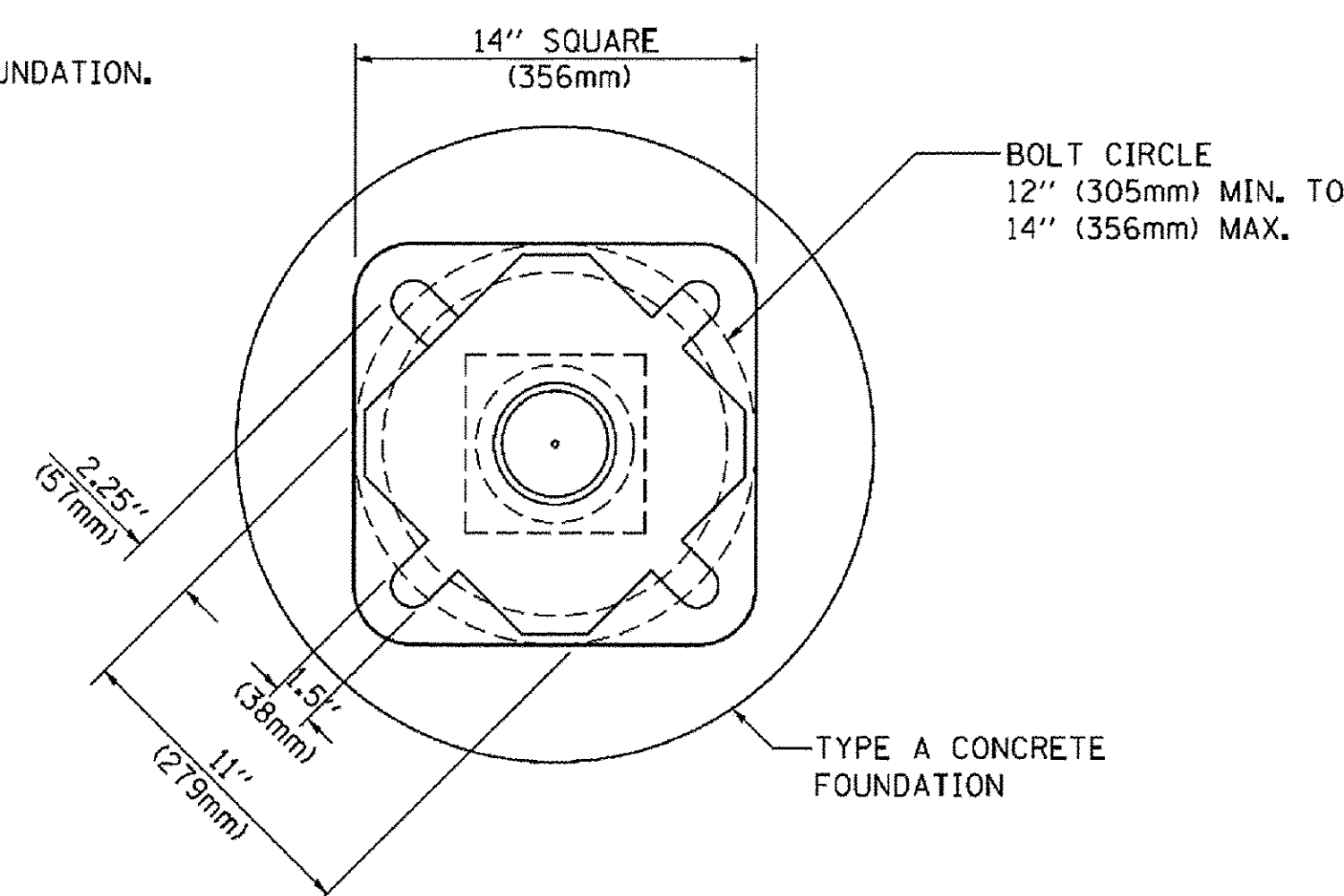
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TS-05		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 6 OF 7 SHEETS STA. TO STA.



SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN
PEDESTRIAN PUSH BUTTON POST, TYPE A

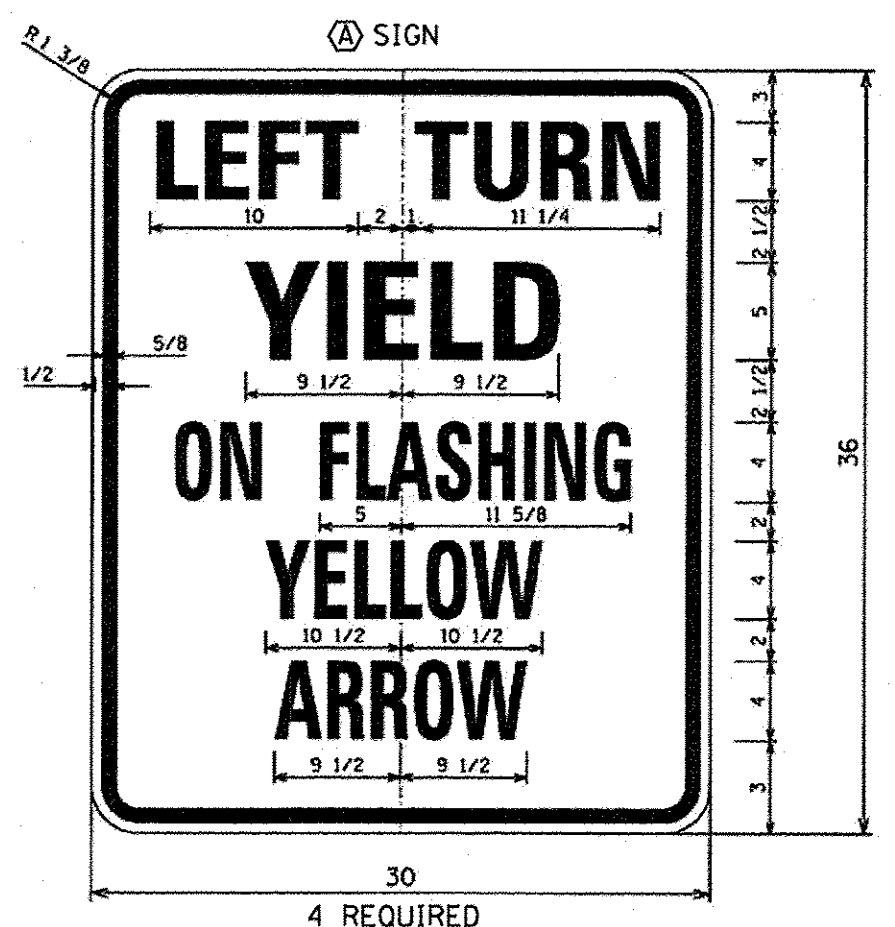
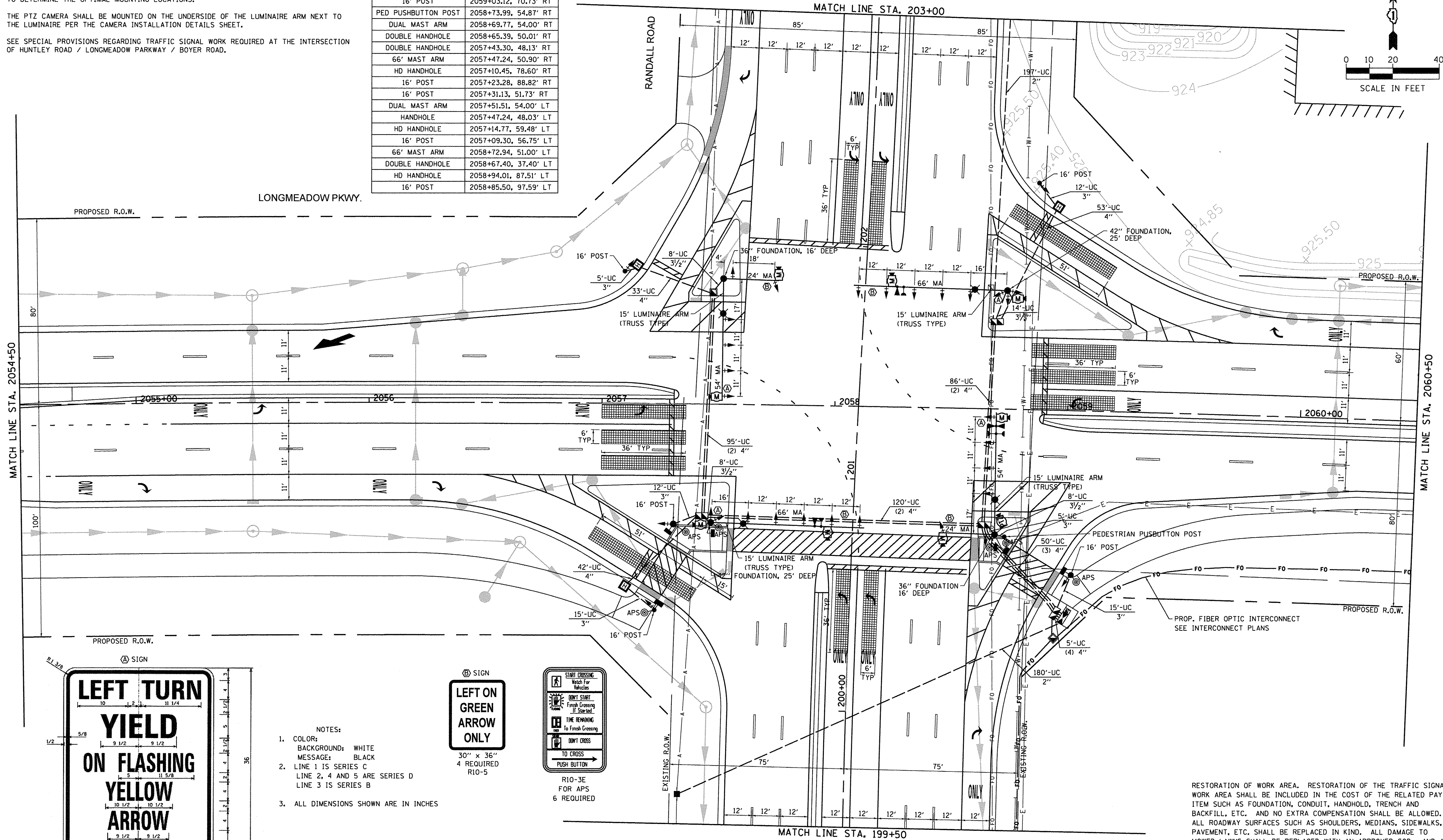
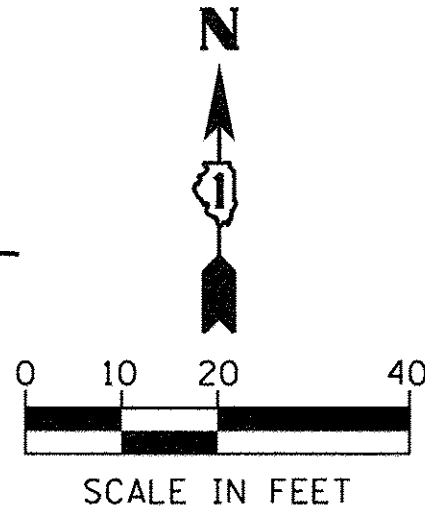
NOTES

RADAR VEHICLE DETECTION UNITS ARE SHOWN ON THIS PLAN AT SAMPLE MOUNTING LOCATIONS. THE CONTRACTOR SHALL COORDINATE WITH THE MANUFACTURER/VENDOR OF THE EQUIPMENT TO DETERMINE THE OPTIMAL MOUNTING LOCATIONS.

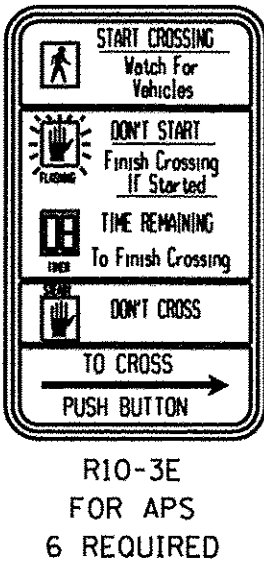
THE PTZ CAMERA SHALL BE MOUNTED ON THE UNDERSIDE OF THE LUMINAIRE ARM NEXT TO THE LUMINAIRE PER THE CAMERA INSTALLATION DETAILS SHEET.

SEE SPECIAL PROVISIONS REGARDING TRAFFIC SIGNAL WORK REQUIRED AT THE INTERSECTION OF HUNTLEY ROAD / LONGMEADOW PARKWAY / BOYER ROAD.

ITEM	LOCATION
CONTROLLER	2059+00.10, 89.40' RT
DOUBLE HANDHOLE	2058+96.70, 87.43' RT
16' POST	2059+03.12, 70.73' RT
PED PUSHBUTTON POST	2058+73.99, 54.87' RT
DUAL MAST ARM	2058+69.77, 54.00' RT
DOUBLE HANDHOLE	2058+65.39, 50.01' RT
DOUBLE HANDHOLE	2057+43.30, 48.13' RT
66' MAST ARM	2057+47.24, 50.90' RT
HD HANDHOLE	2057+10.45, 78.60' RT
16' POST	2057+23.28, 88.82' RT
16' POST	2057+31.13, 51.73' RT
DUAL MAST ARM	2057+51.51, 54.00' LT
HANDHOLE	2057+47.24, 48.03' LT
HD HANDHOLE	2057+14.77, 59.48' LT
16' POST	2057+09.30, 56.75' LT
66' MAST ARM	2058+72.94, 51.00' LT
DOUBLE HANDHOLE	2058+67.40, 37.40' LT
HD HANDHOLE	2058+94.01, 87.51' LT
16' POST	2058+85.50, 97.59' LT



- NOTES:
- COLOR:
BACKGROUND: WHITE
MESSAGE: BLACK
 - LINE 1 IS SERIES C
LINE 2, 4 AND 5 ARE SERIES D
LINE 3 IS SERIES B
 - ALL DIMENSIONS SHOWN ARE IN INCHES



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLD, TRENCH AND BACKFILL, ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD. AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



USER NAME = HLR PowerGEOPAK
 DESIGNED -
 DRAWN -
 PLOT SCALE = 20,0000' / 1"
 PLOT DATE = 10/26/2016

REVISOR -
 CHECKED -
 DATE - 10/25/2016

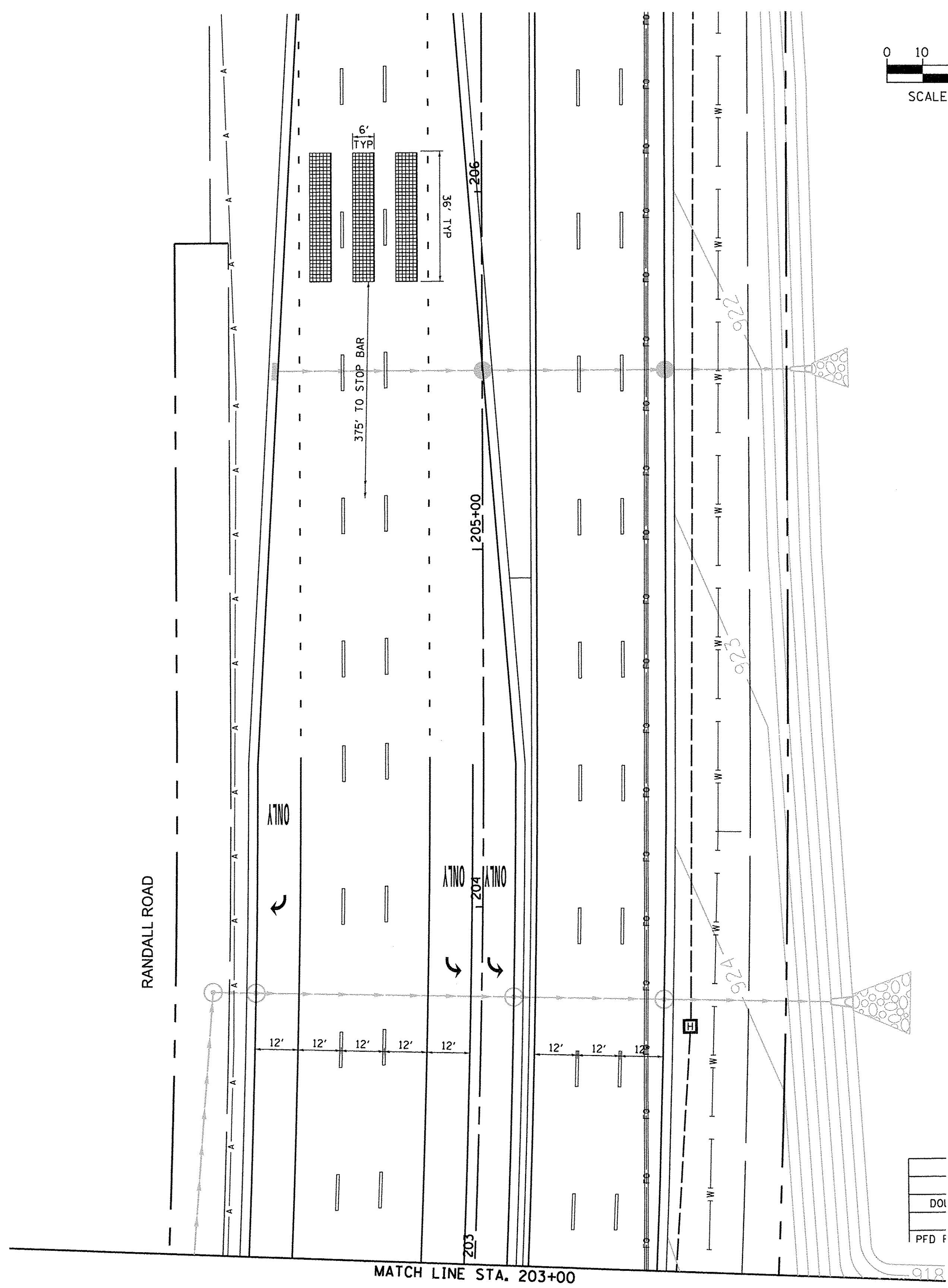
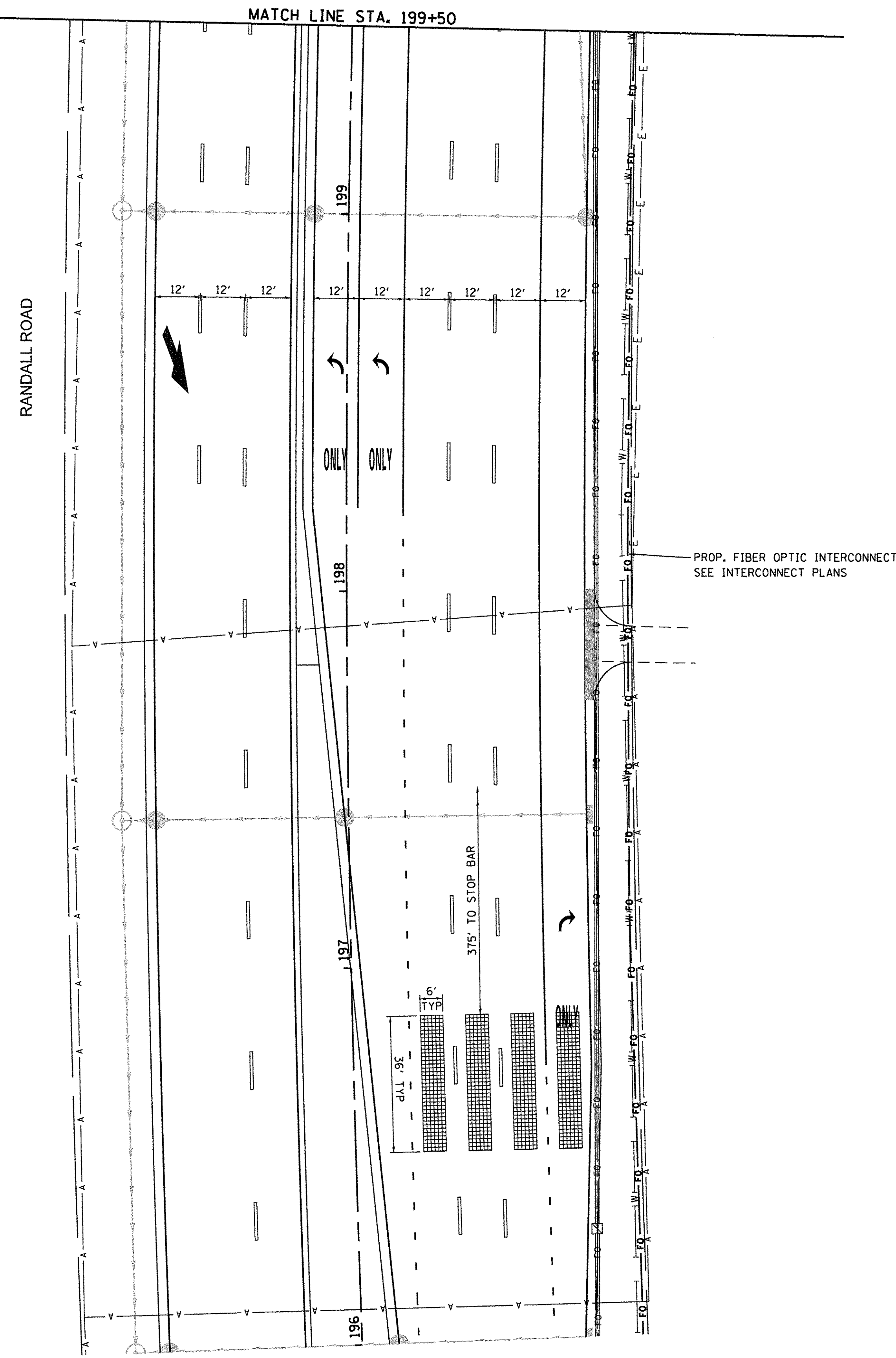
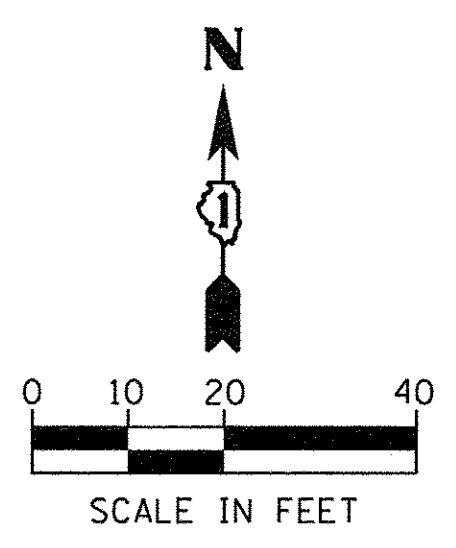
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
 LONGMEADOW PARKWAY AT RANDALL ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	304
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
LONGMEADOW PARKWAY AT RANDALL ROAD

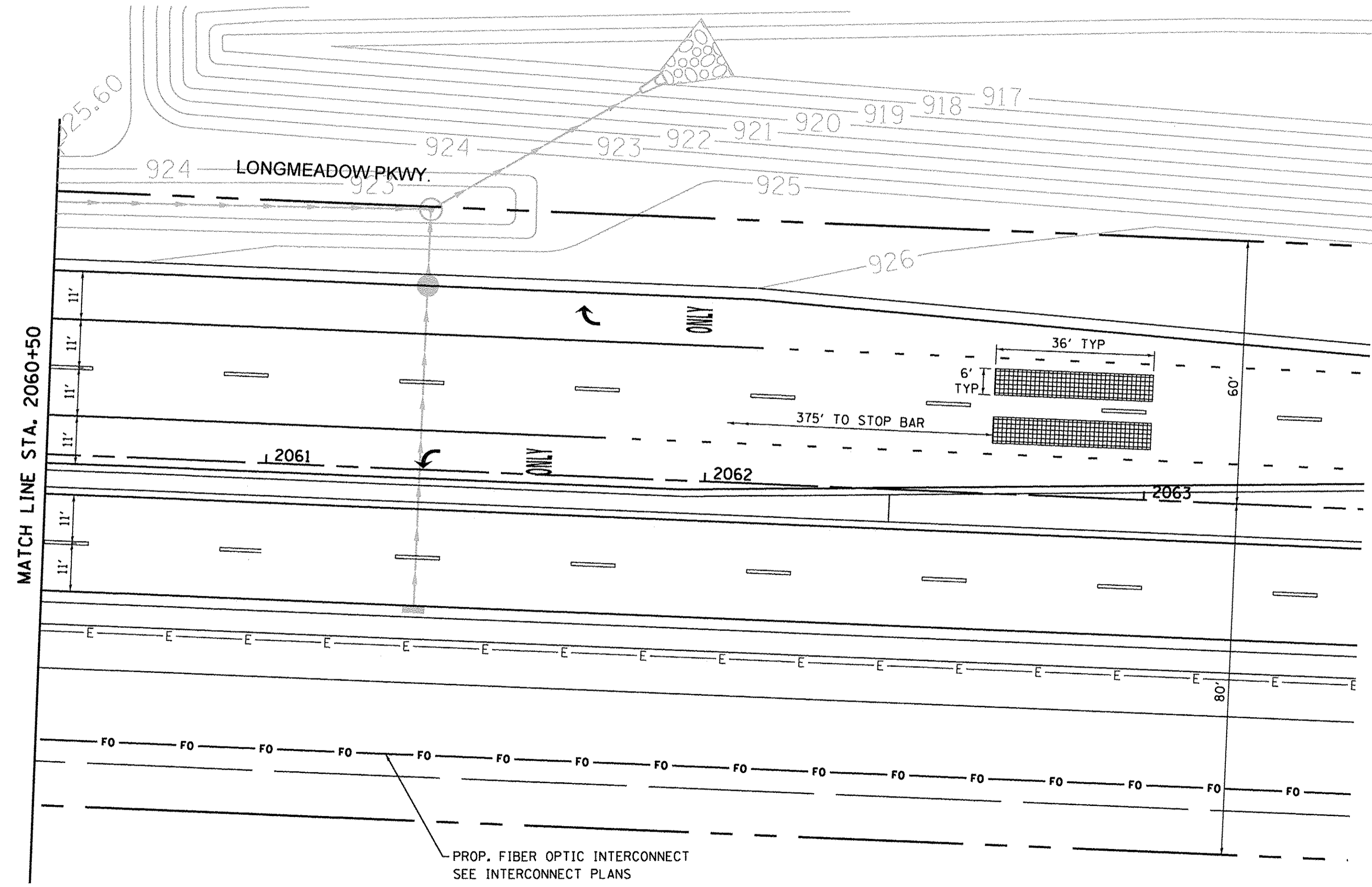
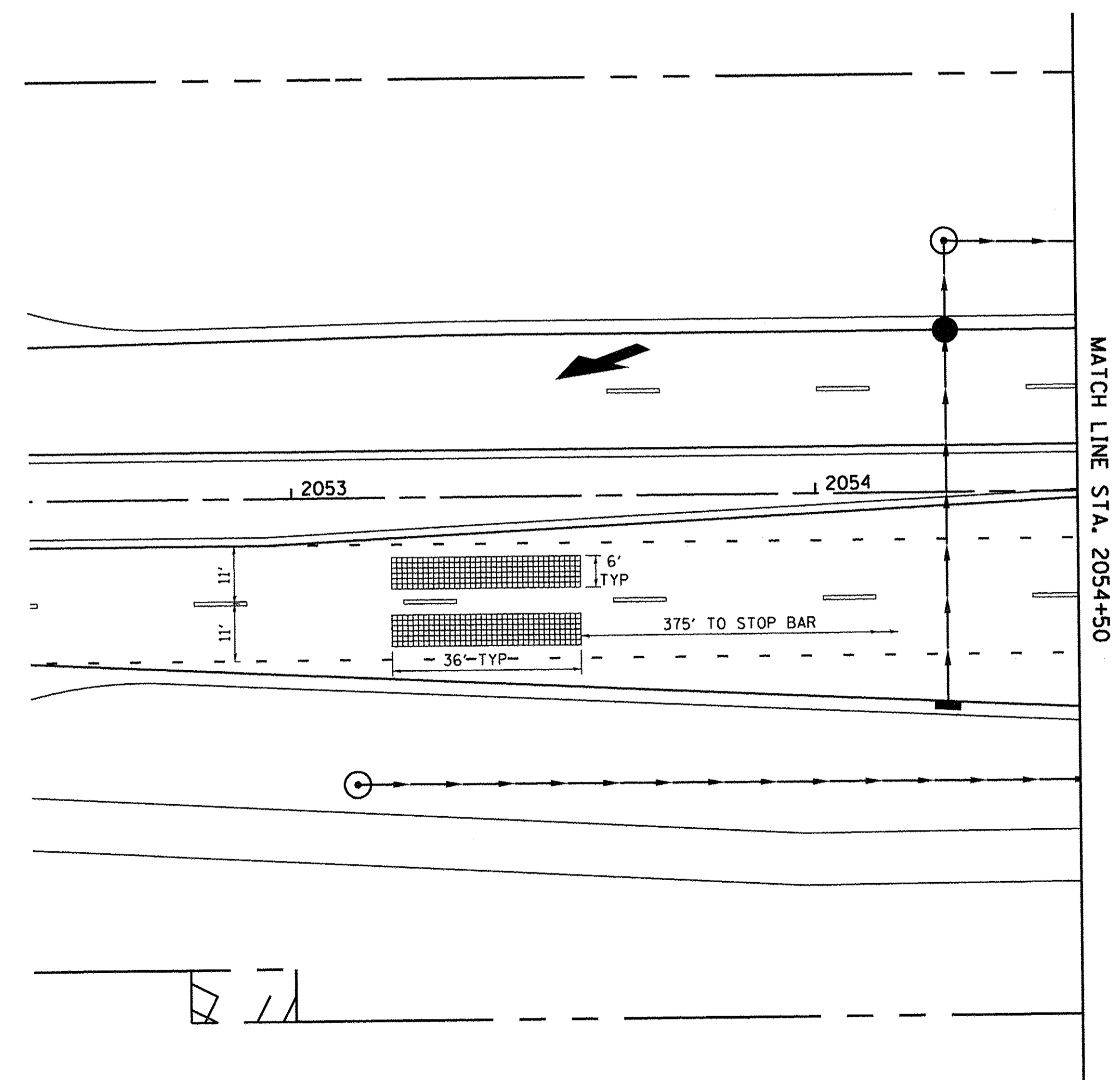
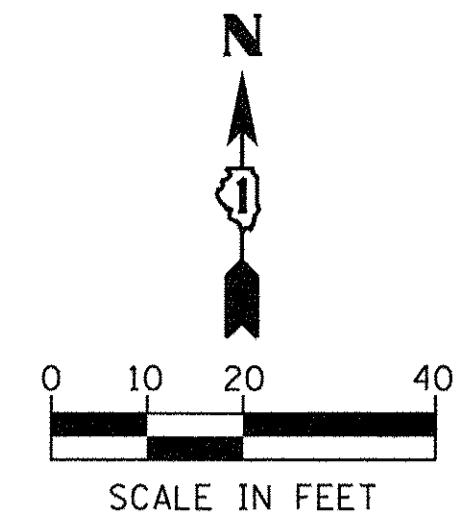
F.A.J. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 305
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



USER NAME = HLR Power-GEOPAK	DESIGNED -	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/26/2016	CHECKED -	REVISED -
	DATE = 10/25/2016	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

DOI
PFD F



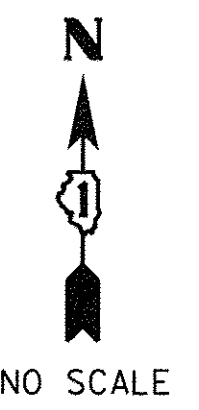
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PLOT SCALE = 20.0000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 10/26/2016	CHECKED -	REVISED -
	DATE - 10/25/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

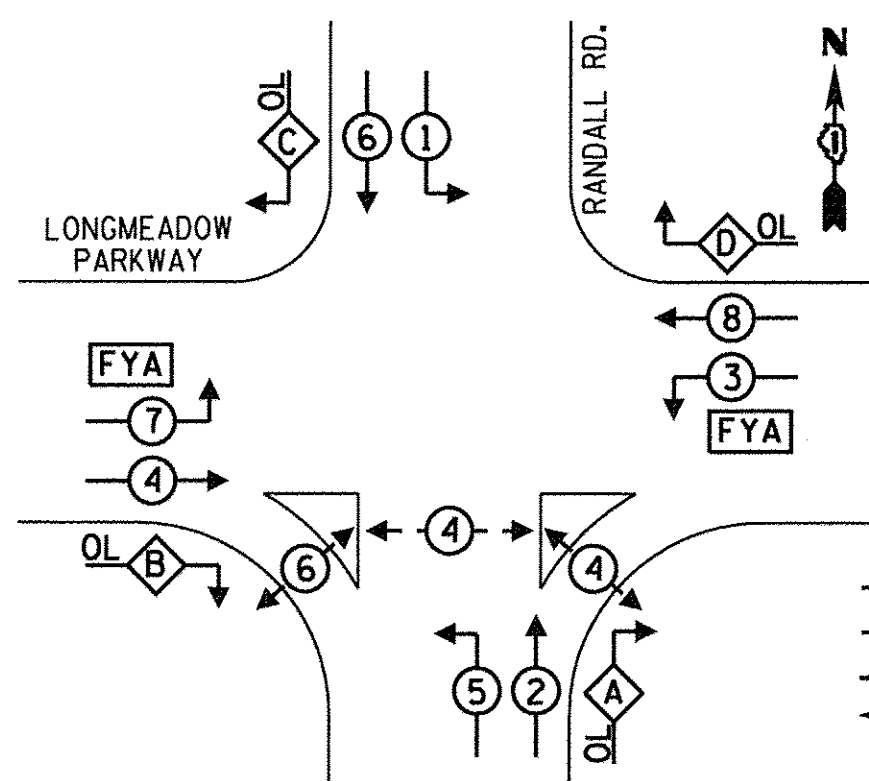
TRAFFIC SIGNAL PLAN
LONGMEADOW PARKWAY AT RANDALL ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 306
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



CONTROLLER SEQUENCE

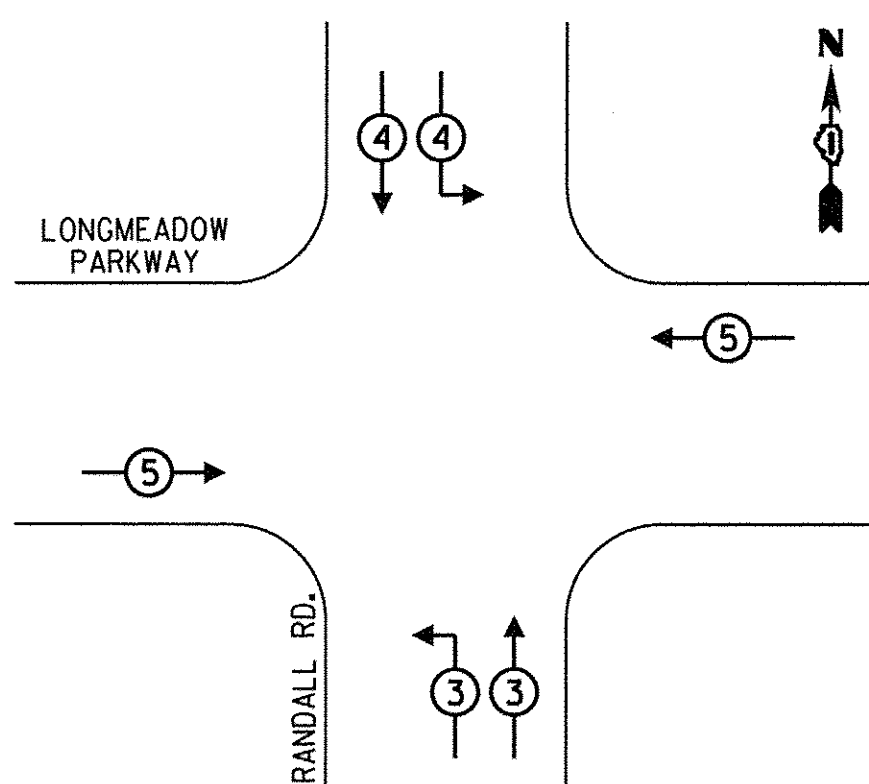


- LEGEND**
- SINGLE ENTRY PHASE
 - DUAL ENTRY PHASE
 - OVERLAP
 - PEDESTRIAN PHASE
 - * NUMBER REFERS TO ASSOCIATED PHASE
 - FYA FLASHING YELLOW ARROW

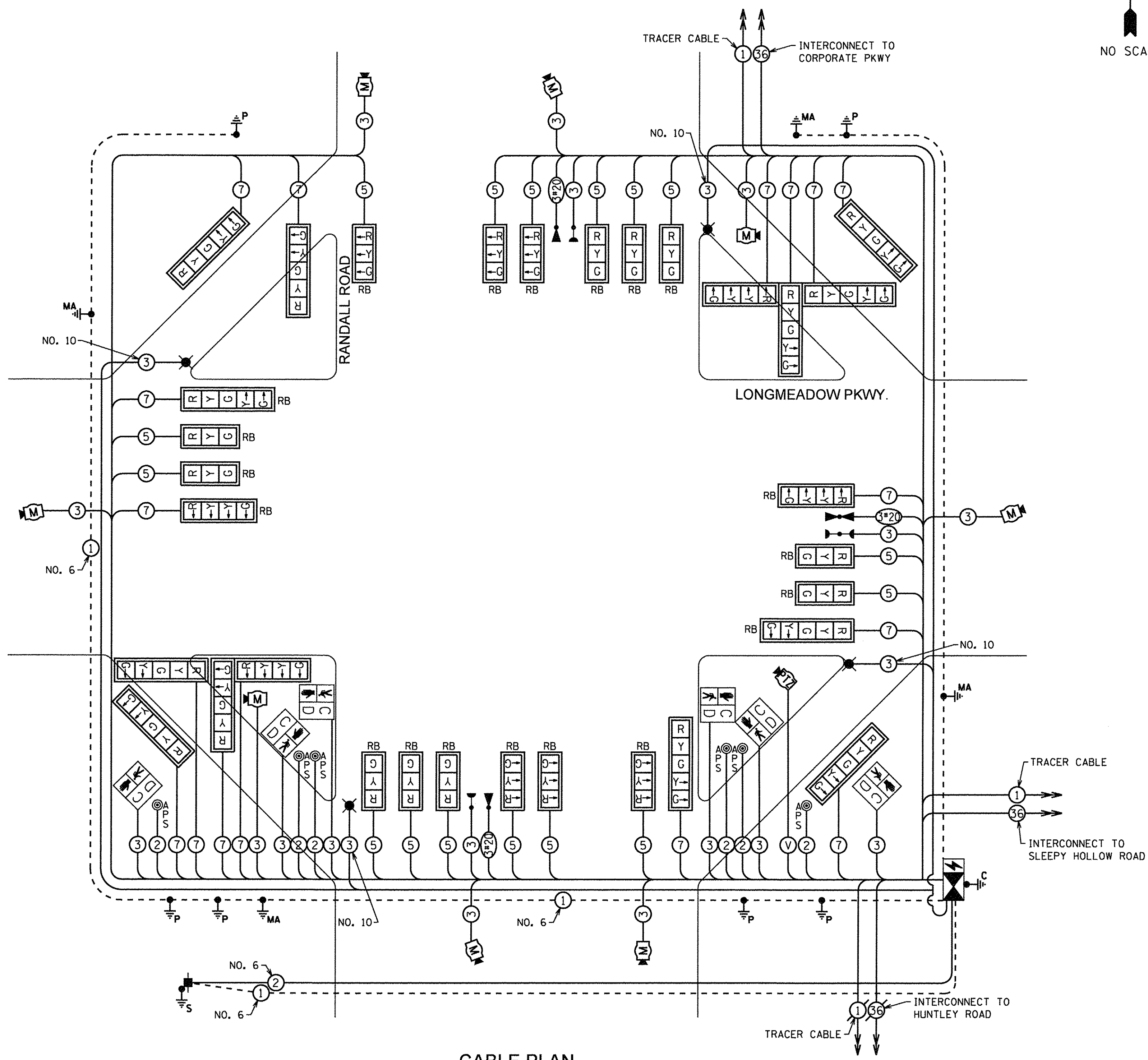
PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A =	2 +	3
B =	4 +	5
C =	6 +	7
D =	8 +	1

EMERGENCY VEHICLE PREEMPTION SEQUENCE



EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	↔	↕	↔



CABLE PLAN

NOTES

THE CONTRACTOR SHALL COORDINATE WITH THE RADAR VEHICLE DETECTION MANUFACTURER/VENDOR REGARDING THE REQUIRED CABLE TYPES AND LOCATION OF EQUIPMENT.

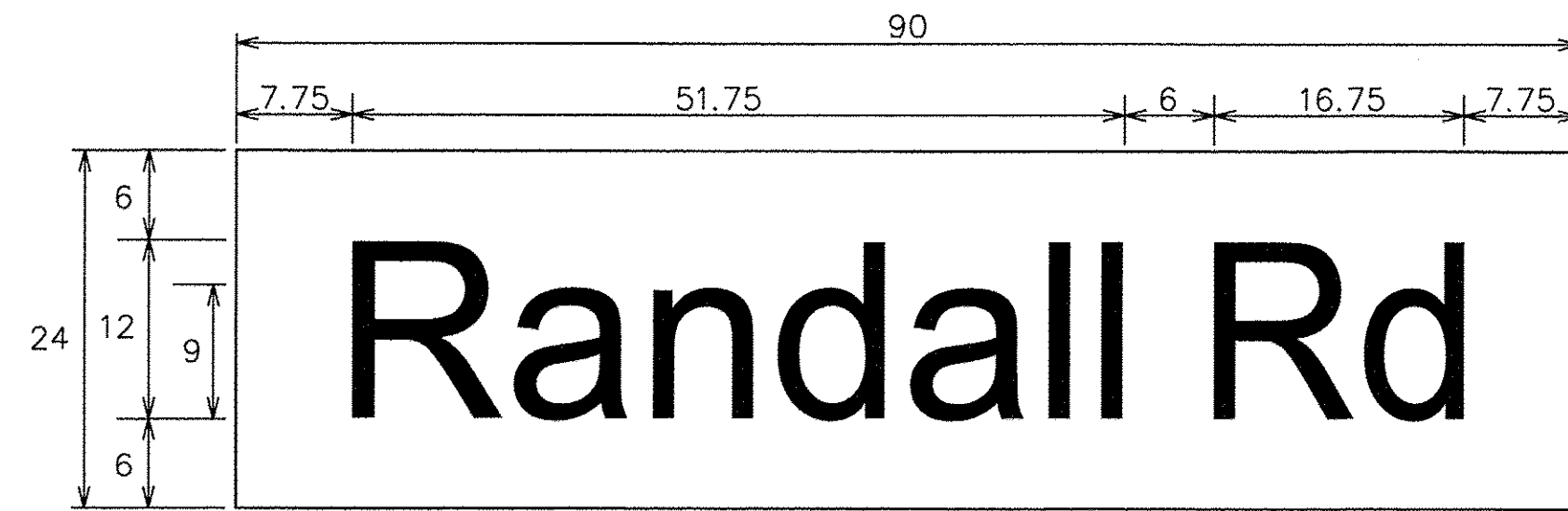
RETROREFLECTIVE BACKPLATES "RB" SHALL CONSIST OF A 1" WIDE YELLOW RETRO REFLECTIVE STRIP AROUND THE OUTSIDE PERIMETER OF THE LOUVERED BACKPLATES.

K.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. OF LAMPS X	WATTAGE	PERCENT X (%) OPERATIONS	
SIGNAL (RED)	32	11	50	176.0
(YELLOW)	28	20	5	28.0
(GREEN)	28	12	45	151.2
ARROW	32	10	10	32.0
FYA SECTION	4	12	30	14.4
PED. SIGNAL	6	20	100	120.0
CONTROLLER	1	100	100	100.0
LUMINAIRE	4	190	50	380.0
DETECT. SYSTEM	1	150	100	150.0
UPS	1	25	100	25.0
PTZ CAMERA	1	100	100	100.0
ENERGY COSTS TO:				TOTAL = 1276.6

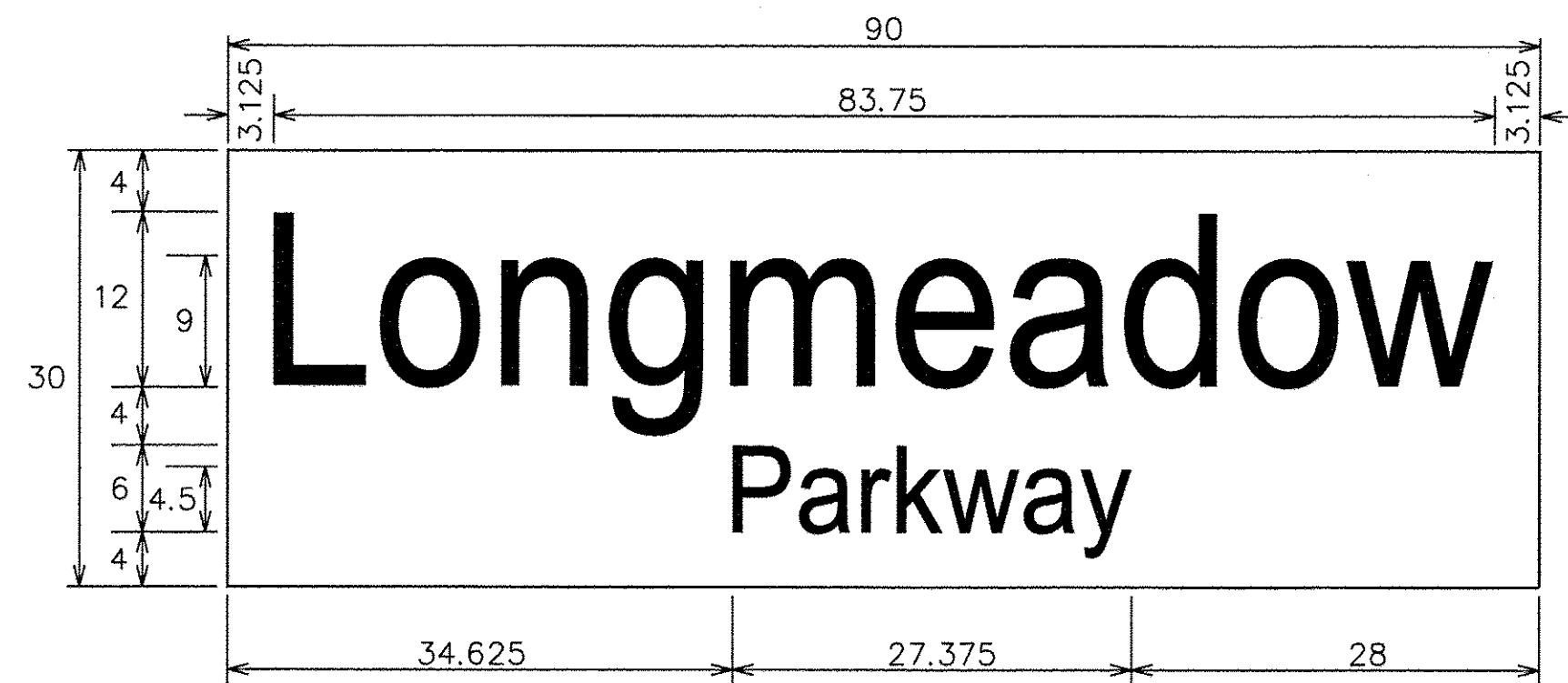
KANE COUNTY DIVISION OF TRANSPORTATION
41W011 BURLINGTON ROAD
SAINT CHARLES, ILLINOIS 60175

ENERGY SUPPLY - CONTACT: JOE STACHO
PHONE: (630) 424-5704
COMPANY: COMED

PANEL SIGN DESIGN TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	15	2	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	18.75	2	ZZ	2

STYLE (e) PER STD. 720016-03

SCHEDULE OF QUANTITIES

TOTAL	UNIT	ITEM
60	SQ FT	SIGN PANEL - TYPE 1
67.5	SQ FT	SIGN PANEL - TYPE 2
1	L SUM	ELECTRIC UTILITY SERVICE CONNECTION
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
180	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
52	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
38	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.
900	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
1	EACH	HANDHOLE
3	EACH	HEAVY-DUTY HANDHOLE
4	EACH	DOUBLE HANDHOLE
2	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION (SPECIAL)
1,059	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1,779	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
4,276	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
3,883	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
220	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
635	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
5	EACH	TRAFFIC SIGNAL POST, 16 FT.
1	EACH	PEDESTRIAN PUSH-BUTTON POST
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 66 FT.
2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT. AND 54 FT.
20	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
32	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
50	FOOT	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER
16	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED
8	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
6	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
12	EACH	TRAFFIC SIGNAL BACKPLATE
20	EACH	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
4	EACH	REMOVE EXISTING HANDHOLE
710	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	RADAR VEHICLE DETECTION SYSTEM
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)
4	EACH	LUMINAIRE, LED, HORIZONTAL MOUNT, 190 WATT (SPECIAL)
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
6	EACH	ACCESSIBLE PEDESTRIAN SIGNALS
1	EACH	INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA
1	L SUM	NETWORK CONFIGURATION
120	FOOT	OUTDOOR RATED NETWORK CABLE
1	EACH	ETHERNET SWITCH, TYPE 2



USER NAME = HLR Power-GEOPAK
 PLOT SCALE = 20.0000 / 1 in.
 PLOT DATE = 10/26/2016

DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 10/25/2016

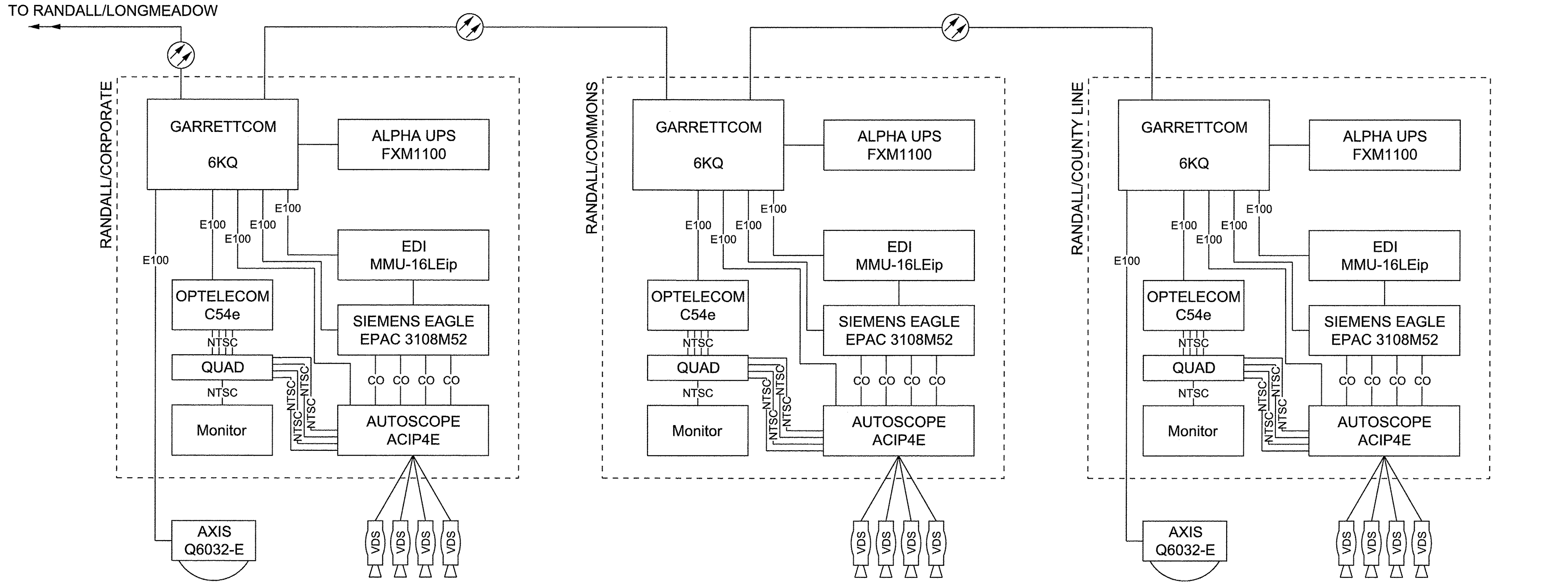
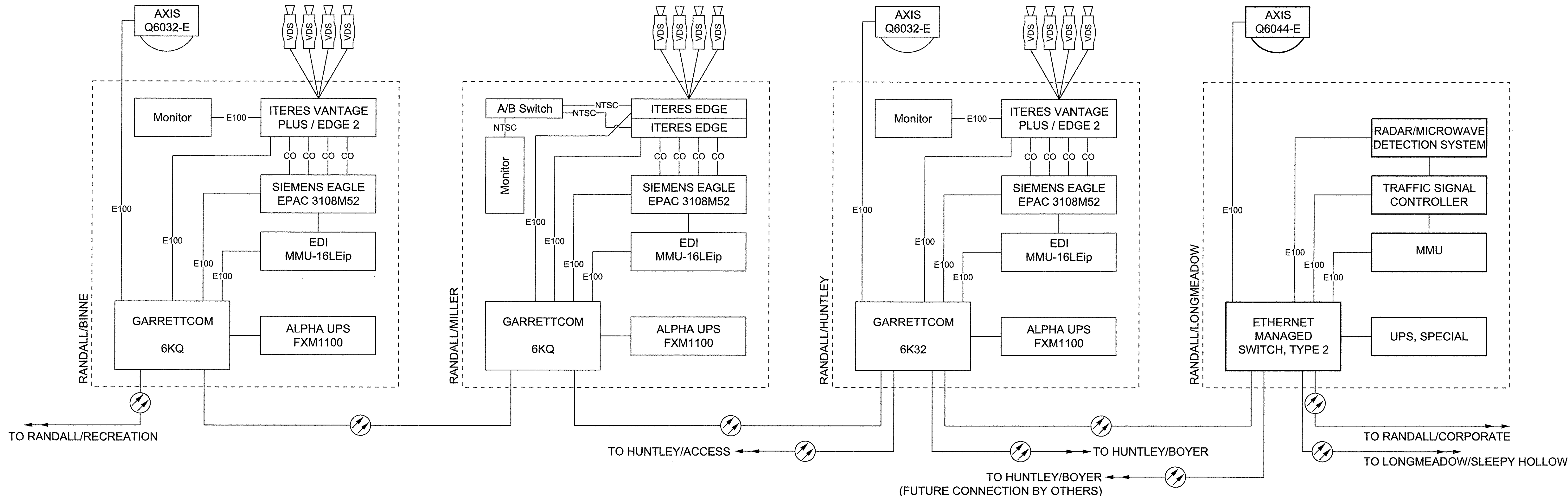
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS AND
 SCHEDULE OF QUANTITIES
 LONGMEADOW PARKWAY AT RANDALL ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	308
CONTRACT NO. 61C41			ILLINOIS FED. AID PROJECT	



SCHEMATIC FOR REFERENCE ONLY. VERIFY IN FIELD.



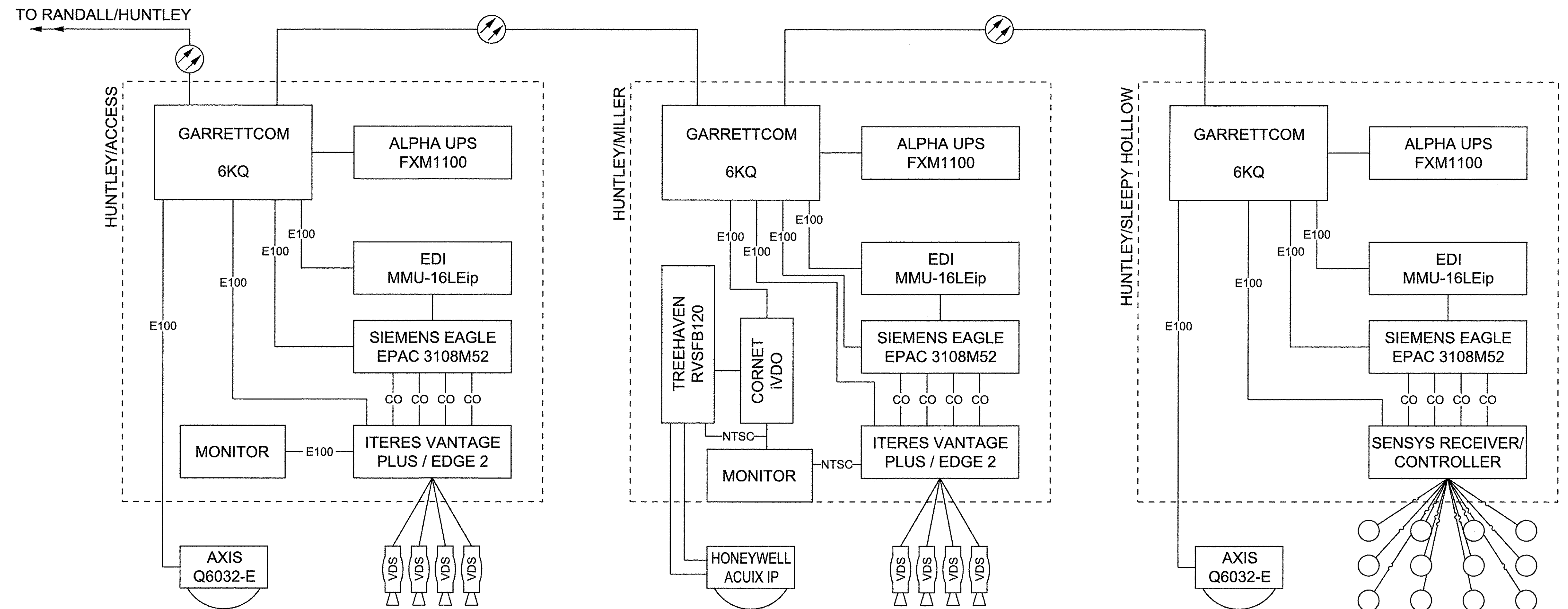
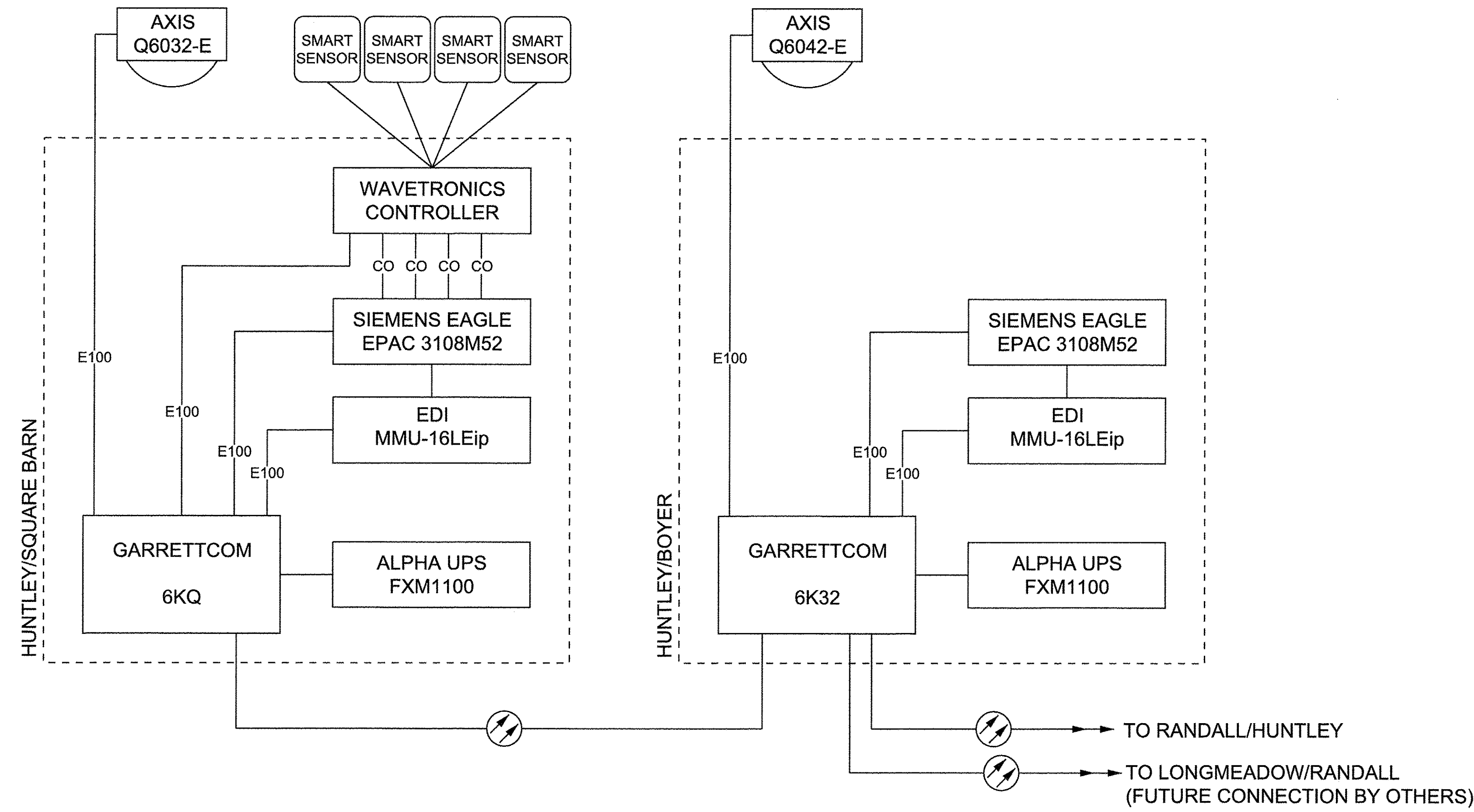
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PLOT DATE = 10/26/2016	CHECKED -	REVISED -
	DATE - 10/25/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABINET DETAIL 1
LONGMEADOW PARKWAY AT RANDALL ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 309
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



SCHEMATIC FOR REFERENCE ONLY. VERIFY IN FIELD.



USER NAME = HLR PowerGEOPAK
 PLOT SCALE = 20.0000' / 1" =
 PLOT DATE = 10/26/2016

DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 10/25/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

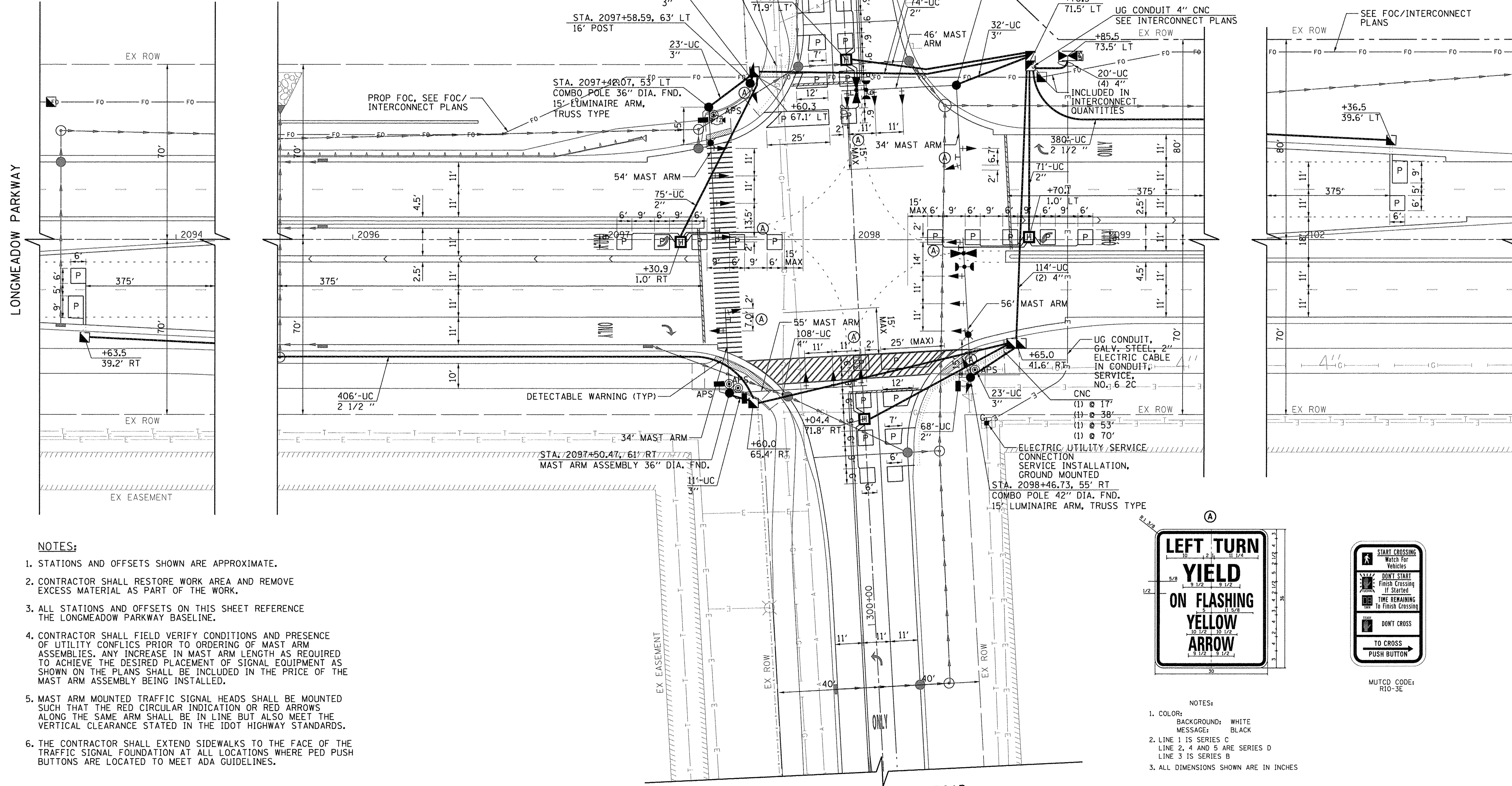
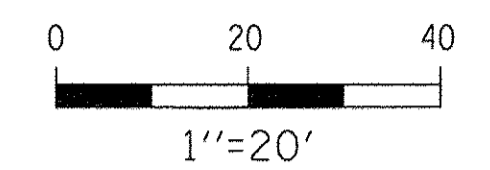
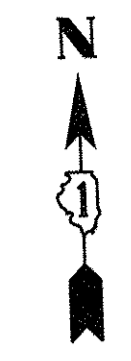
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABINET DETAIL 2
 LONGMEADOW PARKWAY AT RANDALL ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

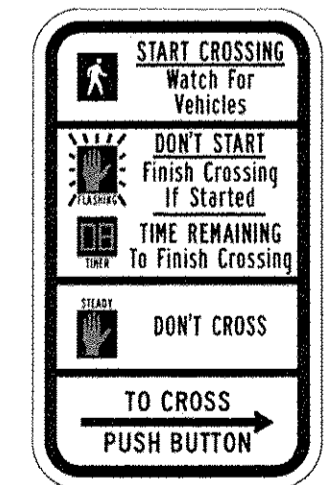
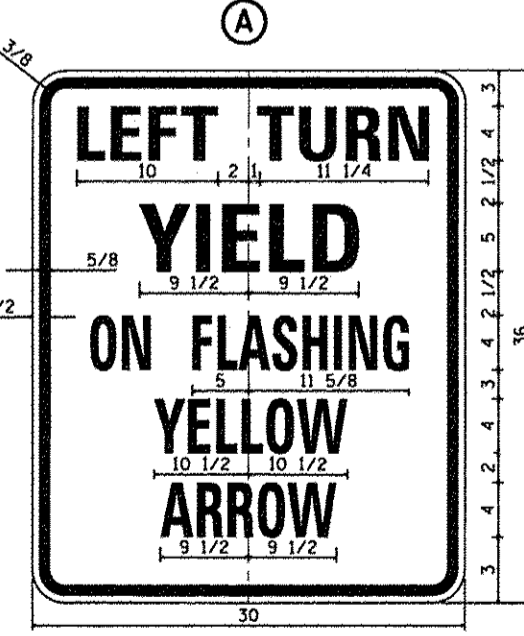
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	310
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				

SLEEPY HOLLOW ROAD



NOTES:

1. STATIONS AND OFFSETS SHOWN ARE APPROXIMATE.
2. CONTRACTOR SHALL RESTORE WORK AREA AND REMOVE EXCESS MATERIAL AS PART OF THE WORK.
3. ALL STATIONS AND OFFSETS ON THIS SHEET REFERENCE THE LONGMEADOW PARKWAY BASELINE.
4. CONTRACTOR SHALL FIELD VERIFY CONDITIONS AND PRESENCE OF UTILITY CONFLICTS PRIOR TO ORDERING OF MAST ARM ASSEMBLIES. ANY INCREASE IN MAST ARM LENGTH AS REQUIRED TO ACHIEVE THE DESIRED PLACEMENT OF SIGNAL EQUIPMENT AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE PRICE OF THE MAST ARM ASSEMBLY BEING INSTALLED.
5. MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED SUCH THAT THE RED CIRCULAR INDICATION OR RED ARROWS ALONG THE SAME ARM SHALL BE IN LINE BUT ALSO MEET THE VERTICAL CLEARANCE STATED IN THE IDOT HIGHWAY STANDARDS.
6. THE CONTRACTOR SHALL EXTEND SIDEWALKS TO THE FACE OF THE TRAFFIC SIGNAL FOUNDATION AT ALL LOCATIONS WHERE PED PUSH BUTTONS ARE LOCATED TO MEET ADA GUIDELINES.



MUTCD CODE: R10-3E

NOTES:

1. COLOR: BACKGROUND: WHITE MESSAGE: BLACK
2. LINE 1 IS SERIES C LINE 2, 4 AND 5 ARE SERIES D LINE 3 IS SERIES B
3. ALL DIMENSIONS SHOWN ARE IN INCHES

FILE NAME = G:\CH13\00093\Road\Sheets\2013\0894-SHT-Signals-Install-Sleepy.dgn



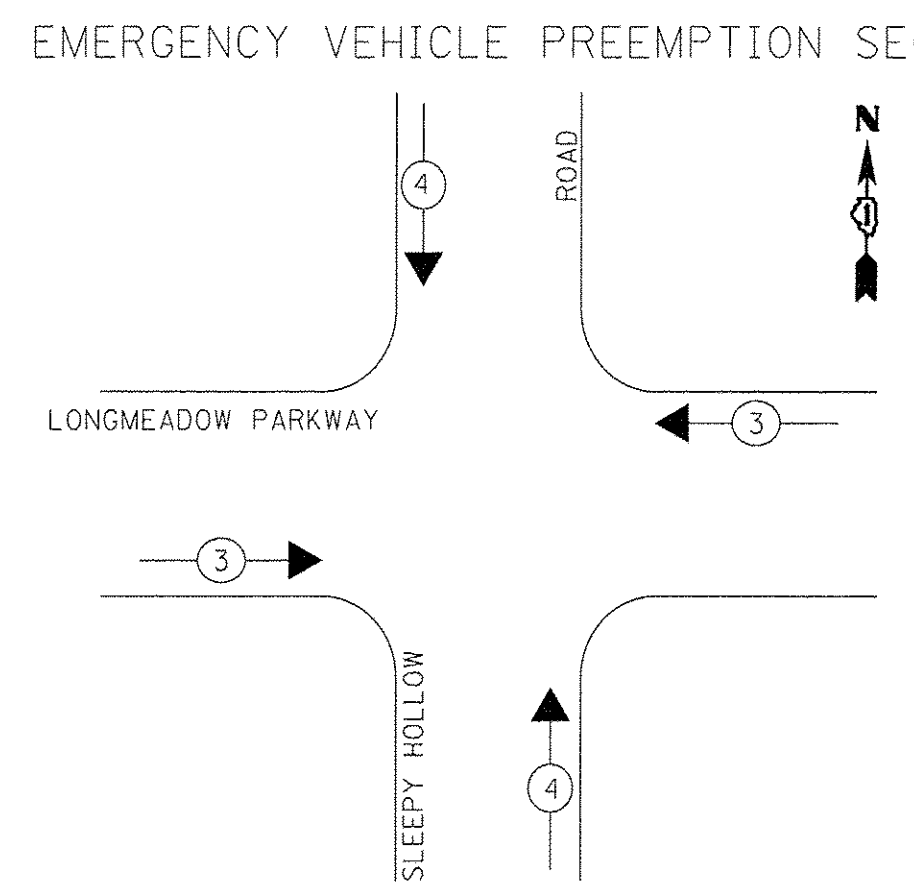
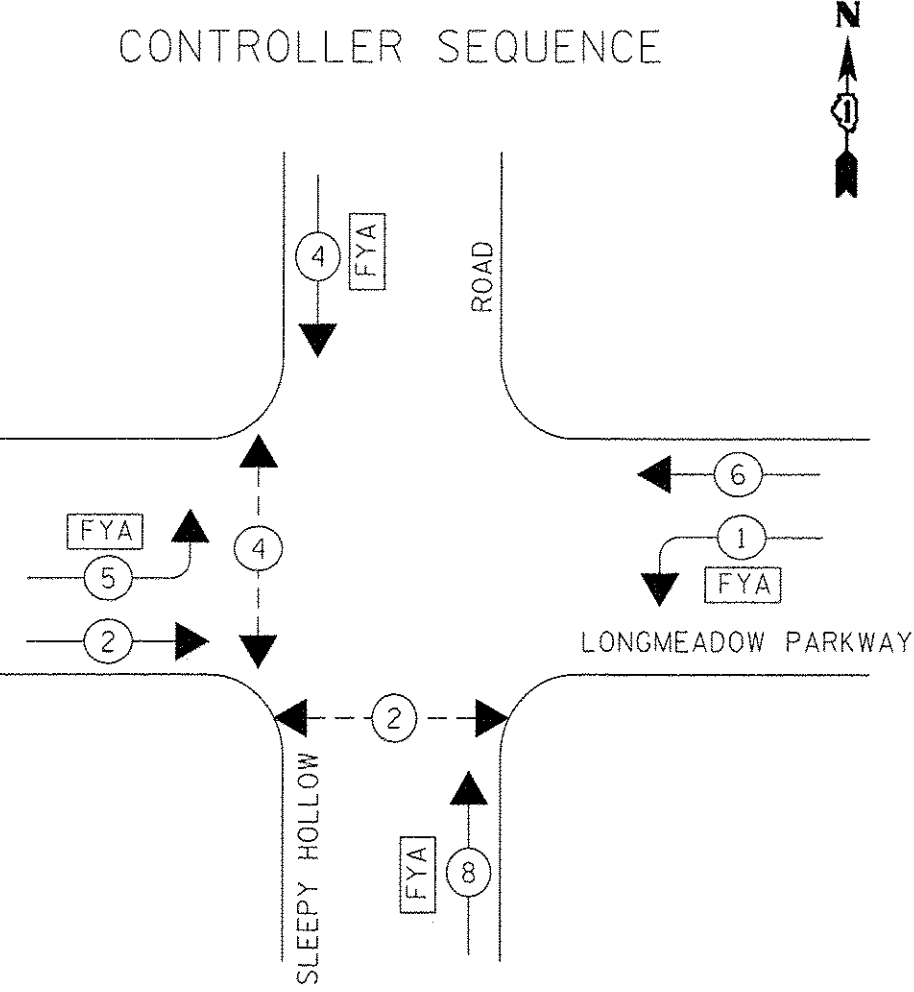
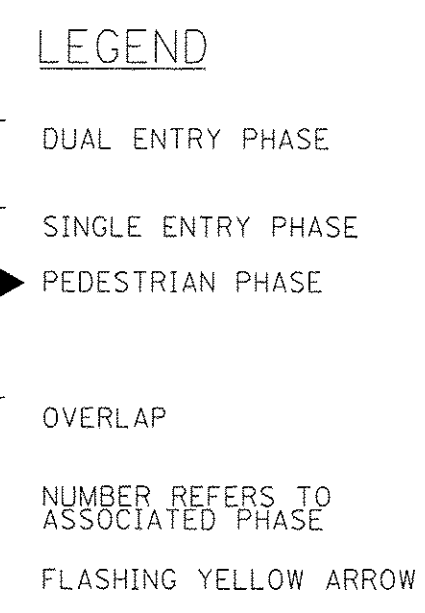
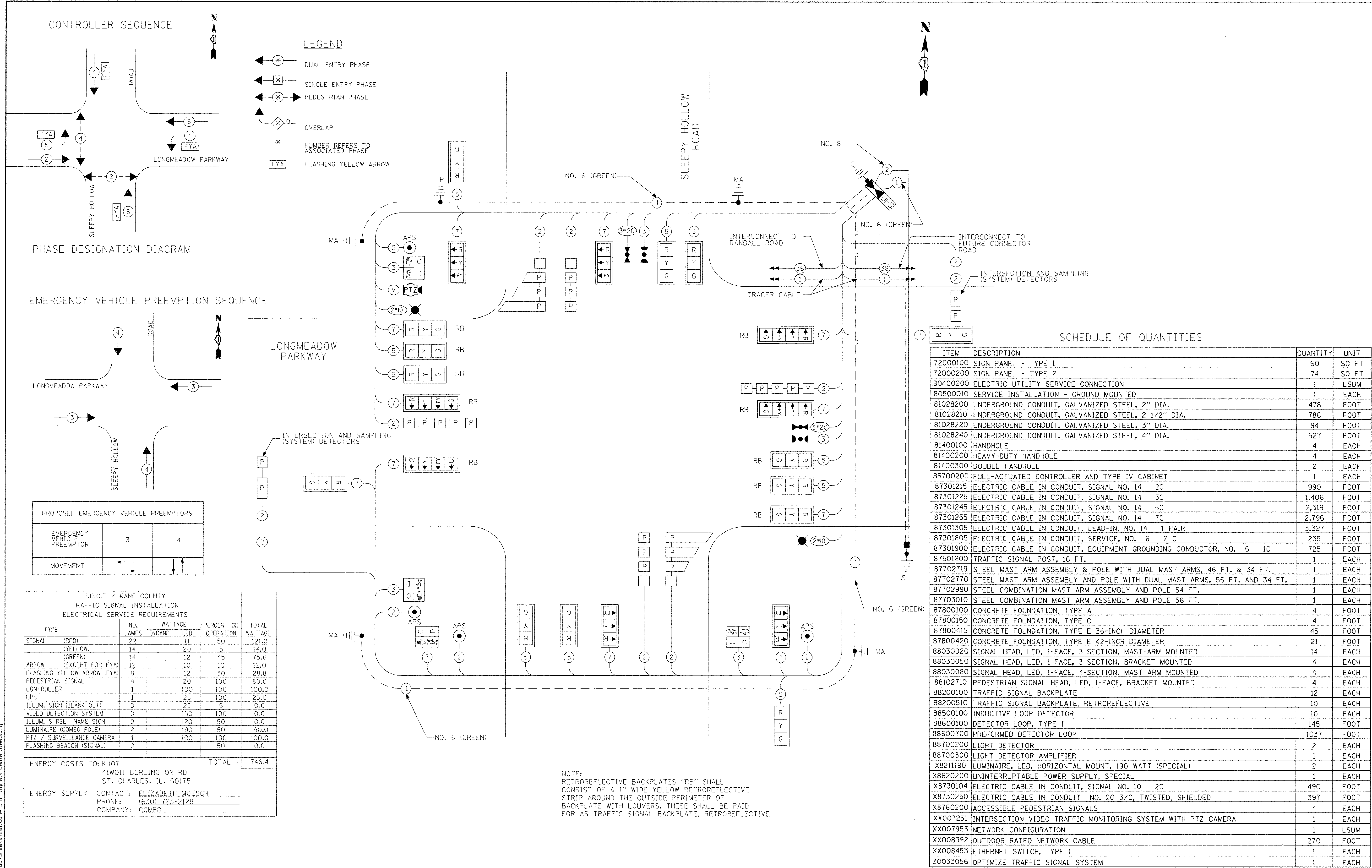
USER NAME = bshae1iger	DESIGNED - BSH	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - MLB	REVISED -
PLOT DATE = 10/26/2016	CHECKED - MFD	REVISED -
	DATE - 10/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
LONGMEADOW PARKWAY AT SLEEPY HOLLOW ROAD

SCALE: 1"=20' SHEET 311 OF 477 SHEETS

F.A.P. RTE. 361	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 311
CONTRACT NO. 61C41				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

I.D.O.T / KANE COUNTY TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		PERCENT (%) OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	22	11	50	121.0	
(YELLOW)	14	20	5	14.0	
(GREEN)	14	12	45	75.6	
ARROW (EXCEPT FOR FYA)	12	10	10	12.0	
FLASHING YELLOW ARROW (FYA)	8	12	30	28.8	
PEDESTRIAN SIGNAL	4	20	100	80.0	
CONTROLLER	1	100	100	100.0	
UPS	1	25	100	25.0	
ILLUM. SIGN (BLANK OUT)	0	25	5	0.0	
VIDEO DETECTION SYSTEM	0	150	100	0.0	
ILLUM. STREET NAME SIGN	0	120	50	0.0	
LUMINAIRE (COMBO POLE)	2	190	50	190.0	
PTZ / SURVEILLANCE CAMERA	1	100	100	100.0	
FLASHING BEACON (SIGNAL)	0		50	0.0	

ENERGY COSTS TO: KDOT TOTAL = 746.4
 41W011 BURLINGTON RD
 ST. CHARLES, IL. 60175
 ENERGY SUPPLY CONTACT: ELIZABETH MOESCH
 PHONE: (630) 723-2128
 COMPANY: COMED

SCHEDULE OF QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT
72000100	SIGN PANEL - TYPE 1	60	SQ FT
72000200	SIGN PANEL - TYPE 2	74	SQ FT
80400200	ELECTRIC UTILITY SERVICE CONNECTION	1	LSUM
80500010	SERVICE INSTALLATION - GROUND MOUNTED	1	EACH
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	478	FOOT
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	786	FOOT
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	94	FOOT
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	527	FOOT
81400100	HANDHOLE	4	EACH
81400200	HEAVY-DUTY HANDHOLE	4	EACH
81400300	DOUBLE HANDHOLE	2	EACH
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	1	EACH
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	990	FOOT
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	1,406	FOOT
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	2,319	FOOT
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	2,796	FOOT
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	3,327	FOOT
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	235	FOOT
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	725	FOOT
87501200	TRAFFIC SIGNAL POST, 16 FT.	1	EACH
87702719	STEEL MAST ARM ASSEMBLY & POLE WITH DUAL MAST ARMS, 46 FT. & 34 FT.	1	EACH
87702770	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 55 FT. AND 34 FT.	1	EACH
87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	1	EACH
87703010	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 56 FT.	1	EACH
87800100	CONCRETE FOUNDATION, TYPE A	4	FOOT
87800150	CONCRETE FOUNDATION, TYPE C	4	FOOT
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	45	FOOT
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	21	FOOT
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	14	EACH
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	4	EACH
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	4	EACH
88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	4	EACH
88200100	TRAFFIC SIGNAL BACKPLATE	12	EACH
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	10	EACH
88500100	INDUCTIVE LOOP DETECTOR	10	EACH
88600100	DETECTOR LOOP, TYPE I	145	FOOT
88600700	PREFORMED DETECTOR LOOP	1037	FOOT
88700200	LIGHT DETECTOR	2	EACH
88700300	LIGHT DETECTOR AMPLIFIER	1	EACH
X8211190	LUMINAIRE, LED, HORIZONTAL MOUNT, 190 WATT (SPECIAL)	2	EACH
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	1	EACH
X8730104	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 10 2C	490	FOOT
X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	397	FOOT
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	4	EACH
XX007251	INTERSECTION VIDEO TRAFFIC MONITORING SYSTEM WITH PTZ CAMERA	1	EACH
XX007953	NETWORK CONFIGURATION	1	LSUM
XX008392	OUTDOOR RATED NETWORK CABLE	270	FOOT
XX008453	ETHERNET SWITCH, TYPE I	1	EACH
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	1	EACH

NOTE:
 RETROREFLECTIVE BACKPLATES "RB" SHALL CONSIST OF A 1" WIDE YELLOW RETROREFLECTIVE STRIP AROUND THE OUTSIDE PERIMETER OF BACKPLATE WITH LOUVERS. THESE SHALL BE PAID FOR AS TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE

FILE NAME = G:\CH13\01095\Road\Sheets\20131854-SHT-Signals-Cables-Sleepy.dgn



USER NAME = bsheefliger	DESIGNED - BSH	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - MLB	REVISED -
PLOT DATE = 10/27/2016	CHECKED - MFD	REVISED -
	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION AND SCHEDULE OF QUANTITIES
 LONGMEADOW PARKWAY AT SLEEPY HOLLOW ROAD**
 SCALE: 1"=20' SHEET 312 OF 477 SHEETS

F.A.P. RTE. 361	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 312
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C41	

GENERAL NOTES (KDOT)

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 8770011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 4'-0" X 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING).
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 10'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 4" WHEN SPACING IS CRITICAL. A MINIMUM OF 2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 24" IN HEIGHT AND A MAXIMUM OF 10'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 10'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 10'-0" SIGN, A 48" HIGH TWO-LINE SIGN CAN BE USED WITH A MAXIMUM WIDTH OF 8'-0". THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THERE IS SPACE AVAILABLE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

* J.O. HERBERT COMPANY, INC.
MIDLOTHIAN, VA

* WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

SIGN CHANNEL
SIGN SCREWS

BRACKETS

PART #HPN053 (MED. CHANNEL)

1/4" x 14 x 1" H.W.H. #3

SELF TAPPING WITH NEOPRENE WASHER

PART #HPN034 (UNIVERSAL)

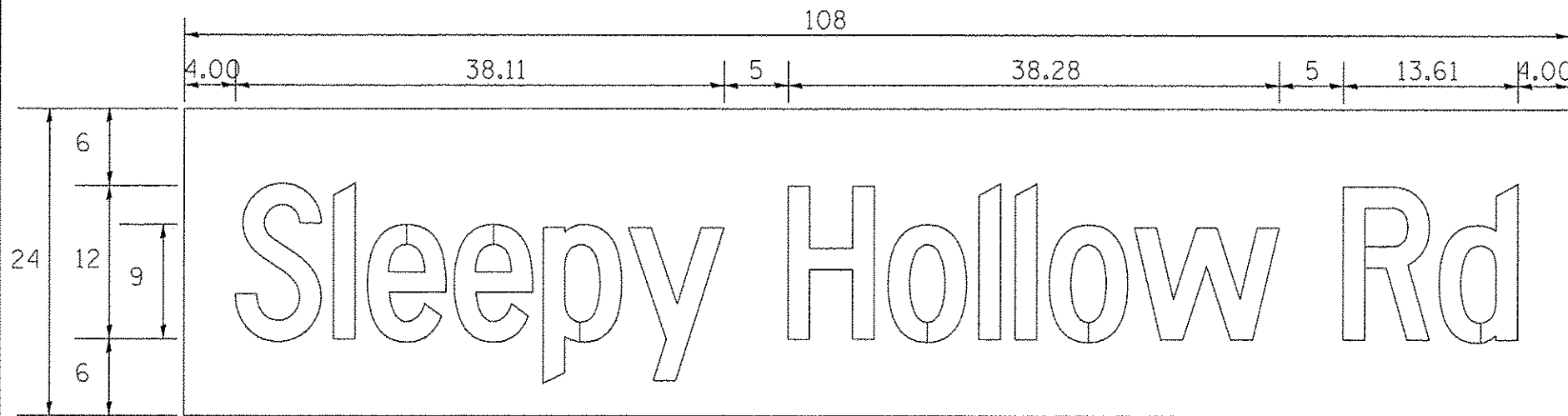
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE
(8" & 6" NOT USED)

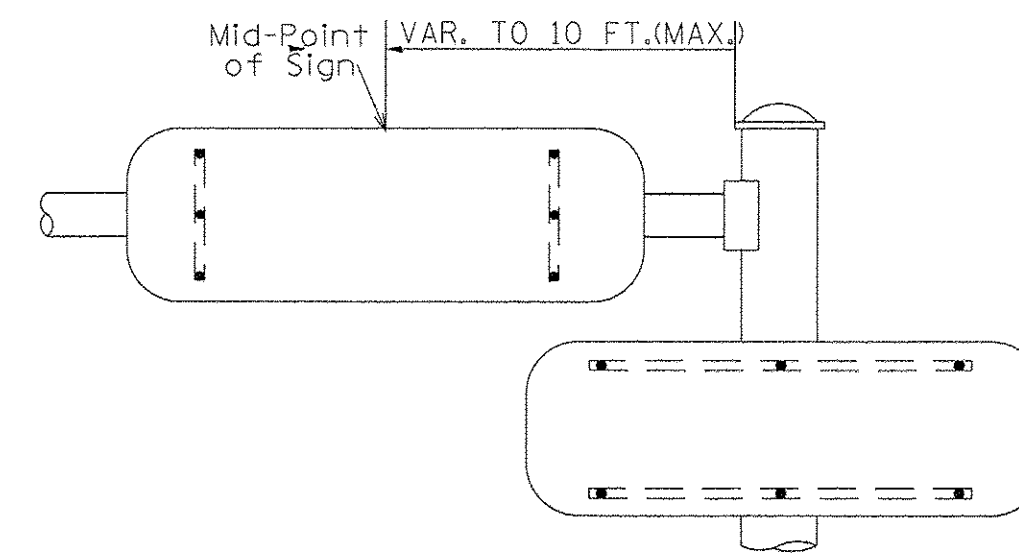
CHARACTER	FHWA SERIES "C"			FHWA SERIES "D"			
	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
C	18	2	ZZ	2

MOUNTING LOCATION

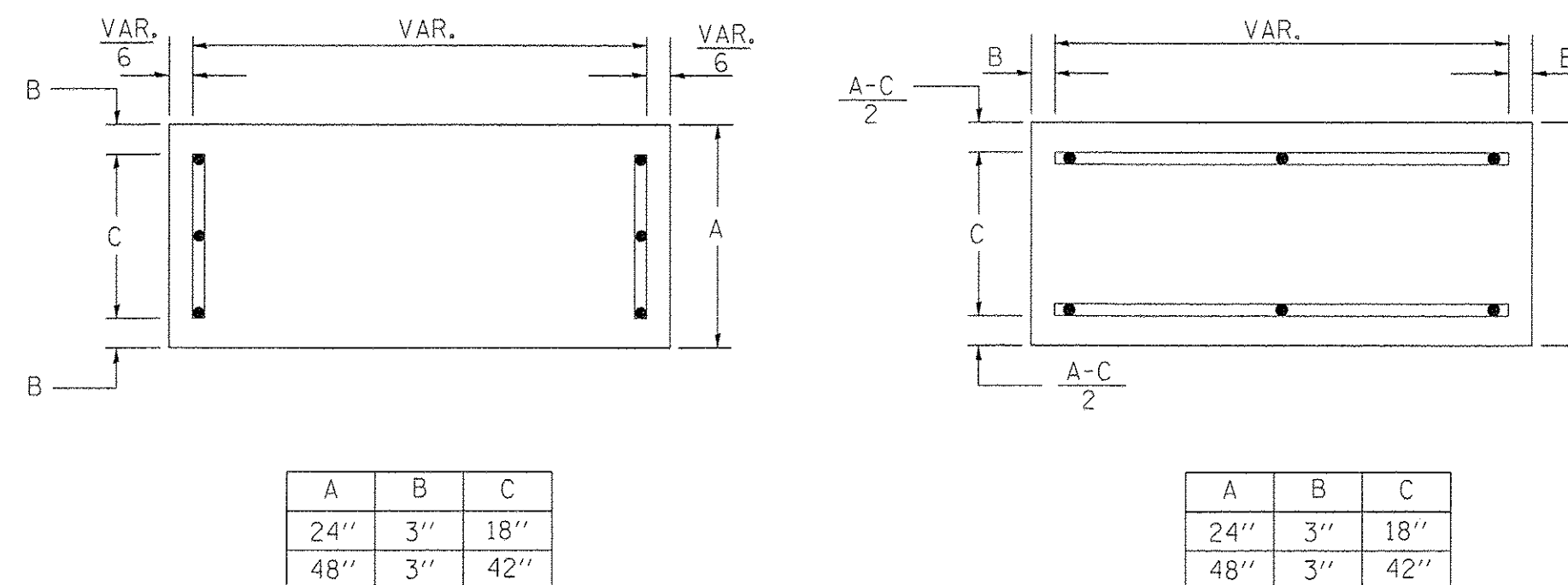
ARM OR POLE MOUNTED



COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCHES)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.25	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

SUPPORTING CHANNELS



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USER NAME = bsheefliger
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PLOT DATE = 10/26/2016

DESIGNED - BSH
DRAWN - MLB
CHECKED - MFD
DATE - 10/28/2016

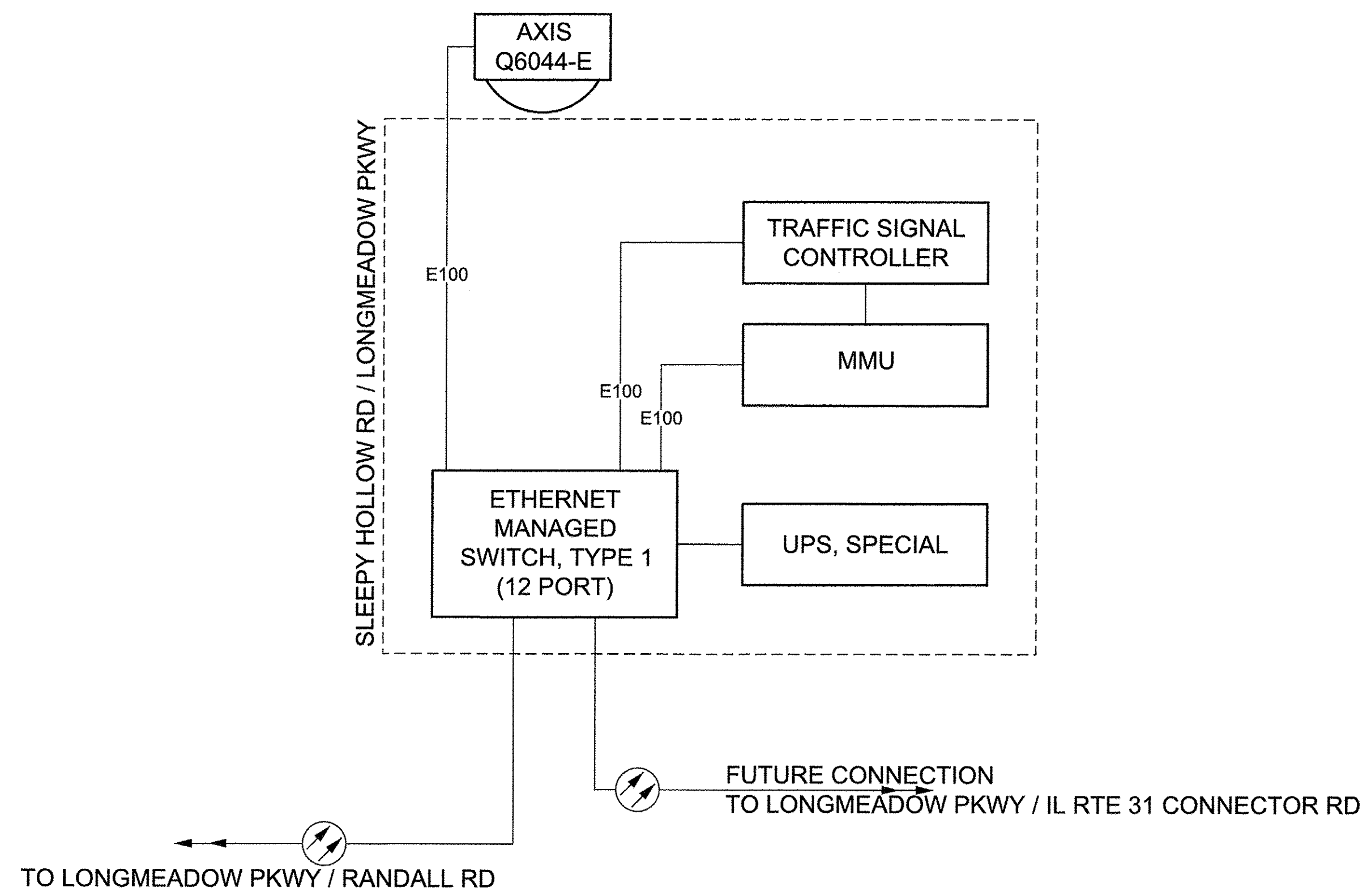
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAME SIGNS

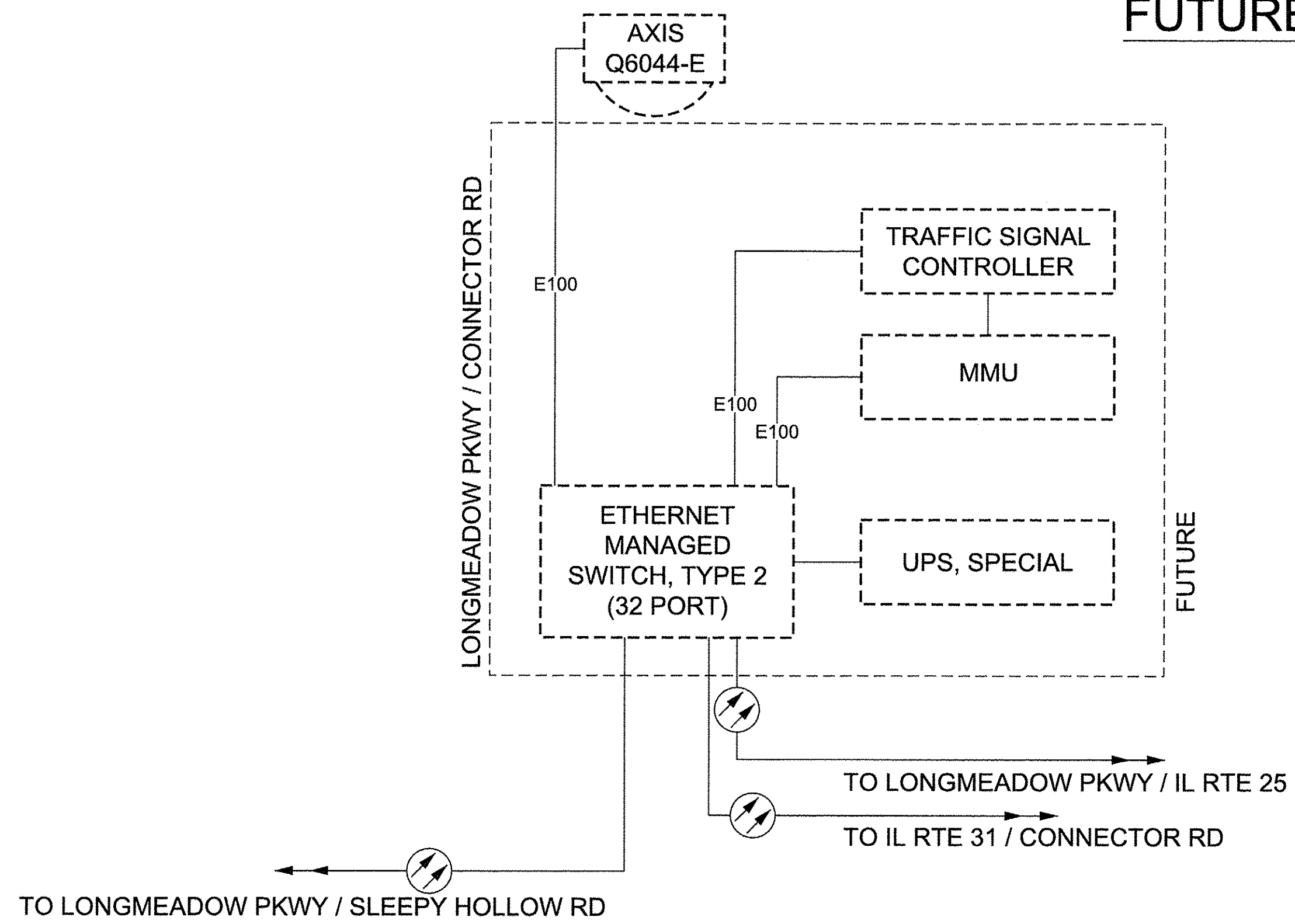
SCALE: SHEET 313 OF 477 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	13-00215-10-PV	KANE	477	313
CONTRACT NO. 61C41				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

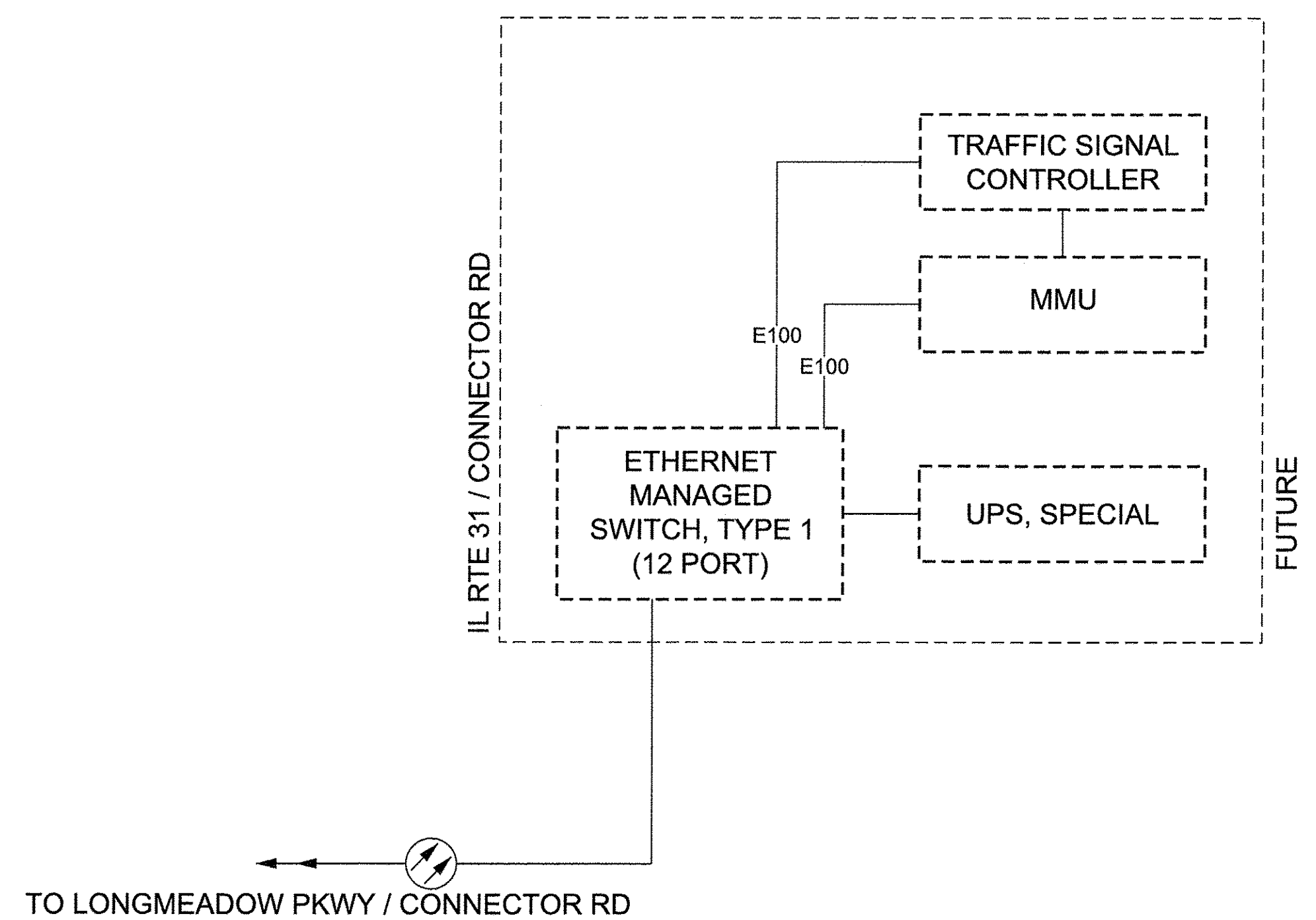


LONGMEADOW PARKWAY AT SLEEPY HOLLOW ROAD

FUTURE CONTROLLERS, NOT IN CONTRACT



LONGMEADOW PARKWAY AT CONNECTOR ROAD (N.I.C.)



CONNECTOR ROAD AT IL RTE 31 (N.I.C.)

FILE NAME = G:\CH13\01099\Road\Sheets\20131894-SHT-Signals\Cabinet_Detail-01.dgn



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PLOT DATE = 10/26/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CABINET DETAIL 1
LONGMEADOW PARKWAY AT SLEEPY HOLLOW ROAD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	13-00215-10-PV	KANE	477	314
CONTRACT NO. 61C41				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

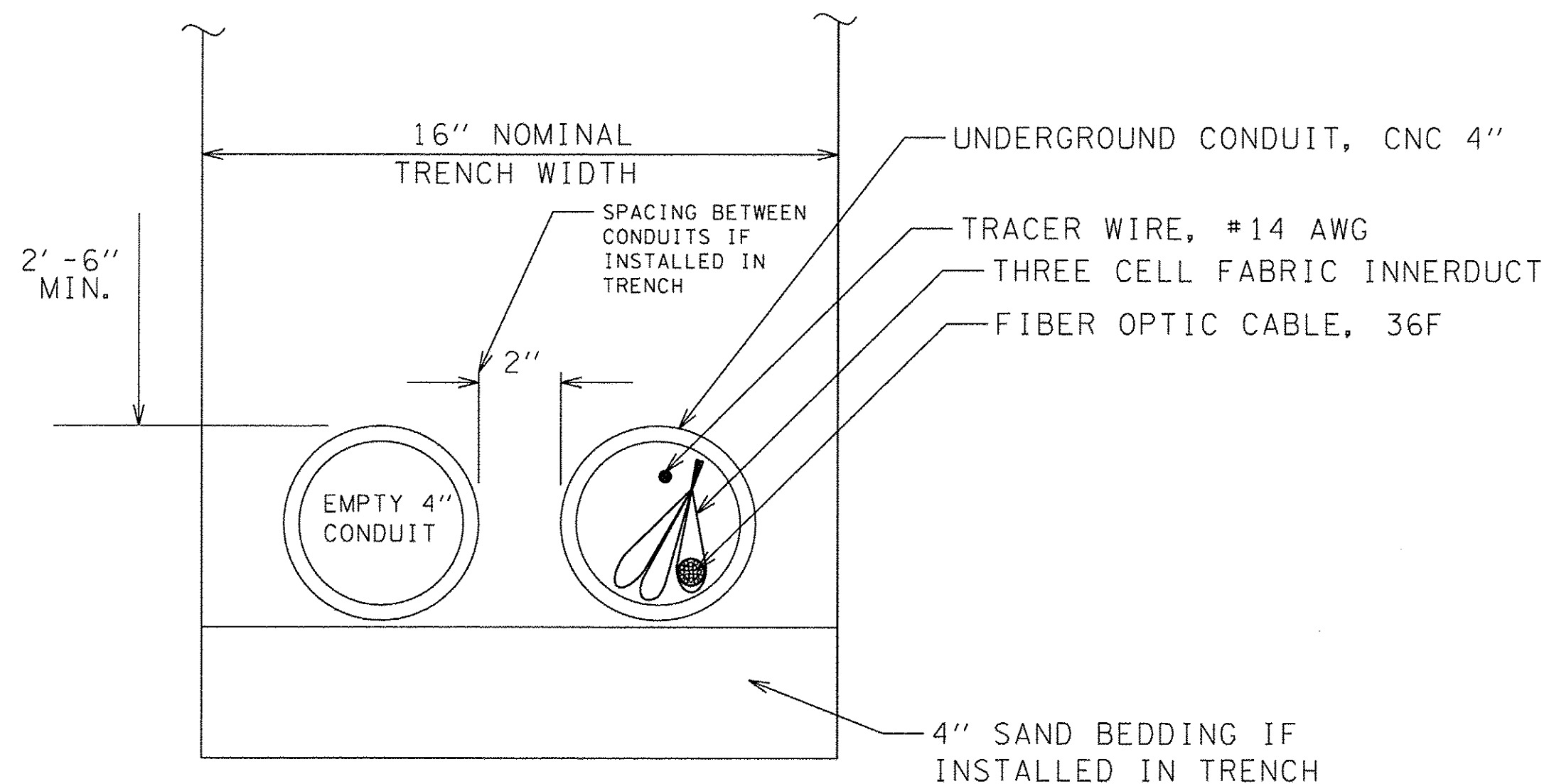
SCALE: SHEET 314 OF 477 SHEETS

ITS BILL OF MATERIALS

ITS NOTES

1. ALL UNDERGROUND CONDUITS USED FOR FIBER SHALL BE COILABLE NONMETALLIC HDPE CONDUIT, SCHEDULE 80 AND SHALL BE BLACK IN COLOR.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:
 - A. STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION IN ILLINOIS, AS PREPARED BY IDOT.
 - B. THE NATIONAL ELECTRICAL CODE
 - C. MUNICIPAL CODES & STANDARDS.
 - D. ILLINOIS MUNICIPAL SIGNAL ASSOCIATION (IMSA)
3. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
4. THE ELECTRICAL CONTRACTOR SHALL FURNISH ONE SET OF RECORD DRAWINGS TO THE OWNERS REPRESENTATIVE UPON COMPLETION OF THE ELECTRICAL AND ITS IMPROVEMENTS. THE DRAWINGS SHALL SHOW THE INSTALLED LOCATION OF ALL EQUIPMENT, UNDERGROUND WIRING & CONTROLLER CABINETS.
5. ALL FIBER OPTIC CABLE SPLICES SHALL BE LOCATED AT TRAFFIC SIGNAL CONTROLLER CABINETS. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND THE ADJACENT CONTRACTS TO ELIMINATE SPLICES AT THE CONTRACT LIMITS.
6. ALL INTERCONNECTED DEVICES SHALL BE CONFIGURED AND ASSIGNED RESPECTIVE IP ADDRESSES AS OUTLINED BY KANE COUNTY'S IP NAMING CONVENTION SCHEME AND ASSIGNED LOCATION ID AS INSTRUCTED BY KANE COUNTY TRAFFIC (630-208-3139). THIS WORK ALONG WITH ALL REQUIRED COMMUNICATION WILL BE PAID FOR AS PART OF "NETWORK CONFIGURATION".
7. ALL COSTS ASSOCIATED WITH THE COORDINATION OF FIBER OPTIC CABLE TERMINATION POINTS SHALL BE INCLUDED IN THE PRICE OF THE FIBER OPTIC CABLE BEING PLACED. IF THE CONTRACTOR IS REQUESTED, BY THE ENGINEER, TO RUN FIBER OPTIC CABLE BEYOND THE CONTRACT LIMITS IN ORDER TO TERMINATE AT THE CLOSEST TRAFFIC SIGNAL CABINET, THE COST ASSOCIATED FOR THIS ADDITIONAL WORK SHALL BE AT THE AGREED UPON UNIT PRICE FOR THE FIBER OPTIC CABLE BEING INSTALLED AND THE ASSOCIATED COST FOR FIBER OPTIC CABLE TERMINATIONS (IF ALSO REQUESTED BY THE ENGINEER).

CODE NO.	DESCRIPTION	UNIT	QUANTITY
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	805
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	250
81028790	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	15,482
81400100	HANDHOLE	EACH	10
81400200	HEAVY-DUTY HANDHOLE	EACH	2
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	8,053
87900200	DRILL EXISTING HANDHOLE	EACH	2
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2,600
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1,100
X8140105	HANDHOLE (SPECIAL)	EACH	2
X8710031	FIBER OPTIC CABLE 36 FIBERS, SINGLE MODE	FOOT	7,445
Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	3
XX008963	THREE-CELL FABRIC INNERDUCT	FOOT	5,201



ITS FOC /INTERCONNECT TRENCH DETAIL
N.T.S.

TRAFFIC SIGNAL AND ITS LEGEND

	PROPOSED	EXISTING		PROPOSED	EXISTING
CONTROLLER			PEDESTRIAN PUSHBUTTON DETECTOR		
SERVICE INSTALLATION			DETECTOR LOOP		
SIGNAL HEAD			CAST IRON JUNCTION BOX		
SIGNAL HEAD WITH BACKPLATE			EMERGENCY VEHICLE DETECTOR		
SIGNAL HEAD, PEDESTRIAN			CONFIRMATION BEACON		
UNIT DUCT	UD		CONDUIT SPLICE		
COMMON TRENCH	CT		WOOD POLE		
HANDHOLE			RAILROAD CONTROL CABINET		
HEAVY DUTY HANDHOLE			UNINTERRUPTIBLE POWER SUPPLY		
DOUBLE HANDHOLE			MAST ARM ASSEMBLY AND POLE, STEEL		
UNDERGROUND UG CONDUIT			ITS CAMERA		
FIBER OPTIC CABLE					

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USER NAME = bsheef1iger	DESIGNED - BSH	REVISED -
DRAWN - MLB	CHECKED - MFD	REVISED -
PLOT SCALE = 10,0000 " / in.	DATE - 10/28/2016	REVISED -
PLOT DATE = 10/26/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

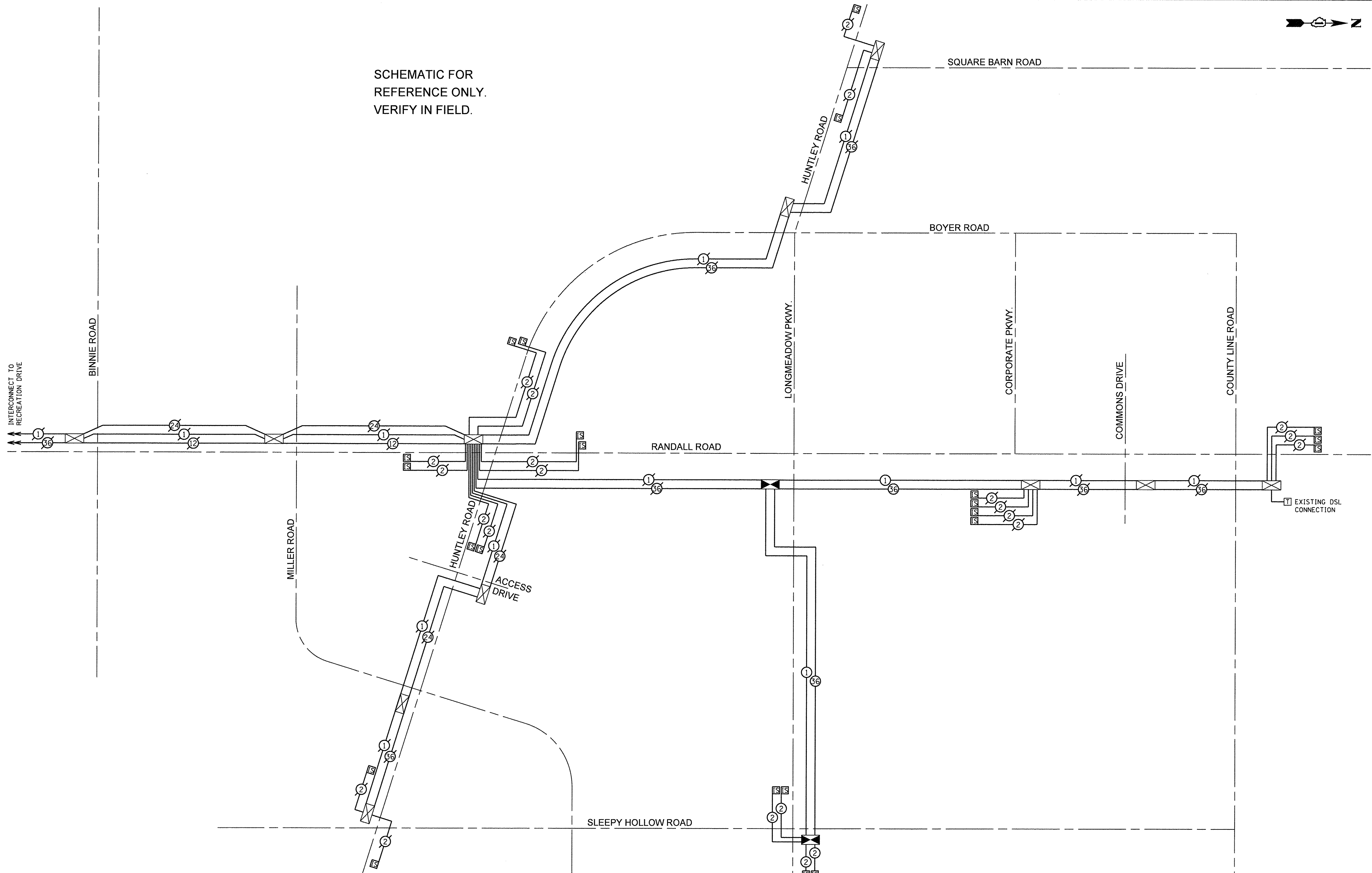
INTERCONNECT GENERAL NOTES AND BILL OF MATERIALS

SCALE: N.T.S. SHEET 2 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	13-00215-10-PV	KANE	477	315
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C41	



SCHEMATIC FOR
REFERENCE ONLY.
VERIFY IN FIELD.

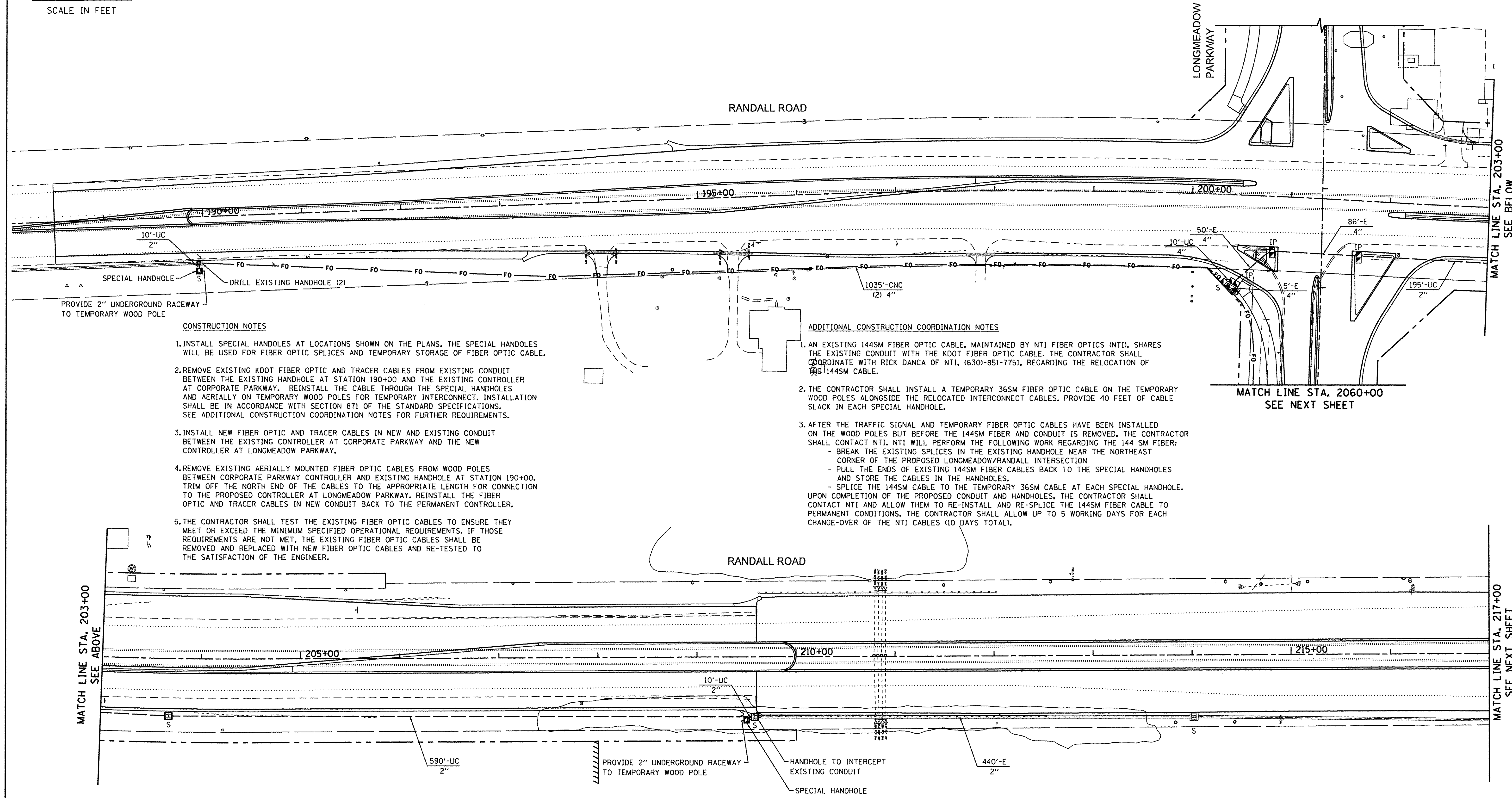
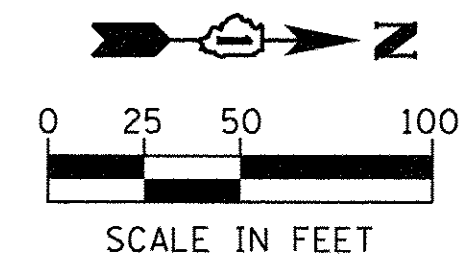


USER NAME = HLR PowerGEOPAK	DESIGNED -	REVISED -
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PLOT DATE = 10/26/2016	CHECKED -	REVISED -
	DATE - 10/25/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 316
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



CONSTRUCTION NOTES

1. INSTALL SPECIAL HANDHOLES AT LOCATIONS SHOWN ON THE PLANS. THE SPECIAL HANDHOLES WILL BE USED FOR FIBER OPTIC SPLICES AND TEMPORARY STORAGE OF FIBER OPTIC CABLE.
2. REMOVE EXISTING KDOT FIBER OPTIC AND TRACER CABLES FROM EXISTING CONDUIT BETWEEN THE EXISTING HANDHOLE AT STATION 190+00 AND THE EXISTING CONTROLLER AT CORPORATE PARKWAY. REINSTALL THE CABLE THROUGH THE SPECIAL HANDHOLES AND AERIALY ON TEMPORARY WOOD POLES FOR TEMPORARY INTERCONNECT. INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 871 OF THE STANDARD SPECIFICATIONS. SEE ADDITIONAL CONSTRUCTION COORDINATION NOTES FOR FURTHER REQUIREMENTS.
3. INSTALL NEW FIBER OPTIC AND TRACER CABLES IN NEW AND EXISTING CONDUIT BETWEEN THE EXISTING CONTROLLER AT CORPORATE PARKWAY AND THE NEW CONTROLLER AT LONGMEADOW PARKWAY.
4. REMOVE EXISTING AERIALY MOUNTED FIBER OPTIC CABLES FROM WOOD POLES BETWEEN CORPORATE PARKWAY CONTROLLER AND EXISTING HANDHOLE AT STATION 190+00. TRIM OFF THE NORTH END OF THE CABLES TO THE APPROPRIATE LENGTH FOR CONNECTION TO THE PROPOSED CONTROLLER AT LONGMEADOW PARKWAY. REINSTALL THE FIBER OPTIC AND TRACER CABLES IN NEW CONDUIT BACK TO THE PERMANENT CONTROLLER.
5. THE CONTRACTOR SHALL TEST THE EXISTING FIBER OPTIC CABLES TO ENSURE THEY MEET OR EXCEED THE MINIMUM SPECIFIED OPERATIONAL REQUIREMENTS. IF THOSE REQUIREMENTS ARE NOT MET, THE EXISTING FIBER OPTIC CABLES SHALL BE REMOVED AND REPLACED WITH NEW FIBER OPTIC CABLES AND RE-TESTED TO THE SATISFACTION OF THE ENGINEER.

ADDITIONAL CONSTRUCTION COORDINATION NOTES

1. AN EXISTING 144SM FIBER OPTIC CABLE, MAINTAINED BY NTI FIBER OPTICS (NTI), SHARES THE EXISTING CONDUIT WITH THE KDOT FIBER OPTIC CABLE. THE CONTRACTOR SHALL COORDINATE WITH RICK DANCA OF NTI, (630)-851-7751, REGARDING THE RELOCATION OF THE 144SM CABLE.
2. THE CONTRACTOR SHALL INSTALL A TEMPORARY 36SM FIBER OPTIC CABLE ON THE TEMPORARY WOOD POLES ALONGSIDE THE RELOCATED INTERCONNECT CABLES. PROVIDE 40 FEET OF CABLE SLACK IN EACH SPECIAL HANDHOLE.
3. AFTER THE TRAFFIC SIGNAL AND TEMPORARY FIBER OPTIC CABLES HAVE BEEN INSTALLED ON THE WOOD POLES BUT BEFORE THE 144SM FIBER AND CONDUIT IS REMOVED, THE CONTRACTOR SHALL CONTACT NTI. NTI WILL PERFORM THE FOLLOWING WORK REGARDING THE 144 SM FIBER:
 - BREAK THE EXISTING SPLICES IN THE EXISTING HANDHOLE NEAR THE NORTHEAST CORNER OF THE PROPOSED LONGMEADOW/RANDALL INTERSECTION
 - PULL THE ENDS OF EXISTING 144SM FIBER CABLES BACK TO THE SPECIAL HANDHOLES AND STORE THE CABLES IN THE HANDHOLES.
 - SPLICE THE 144SM CABLE TO THE TEMPORARY 36SM CABLE AT EACH SPECIAL HANDHOLE.
 UPON COMPLETION OF THE PROPOSED CONDUIT AND HANDHOLES, THE CONTRACTOR SHALL CONTACT NTI AND ALLOW THEM TO RE-INSTALL AND RE-SPLICE THE 144SM FIBER CABLE TO PERMANENT CONDITIONS. THE CONTRACTOR SHALL ALLOW UP TO 5 WORKING DAYS FOR EACH CHANGE-OVER OF THE NTI CABLES (10 DAYS TOTAL).

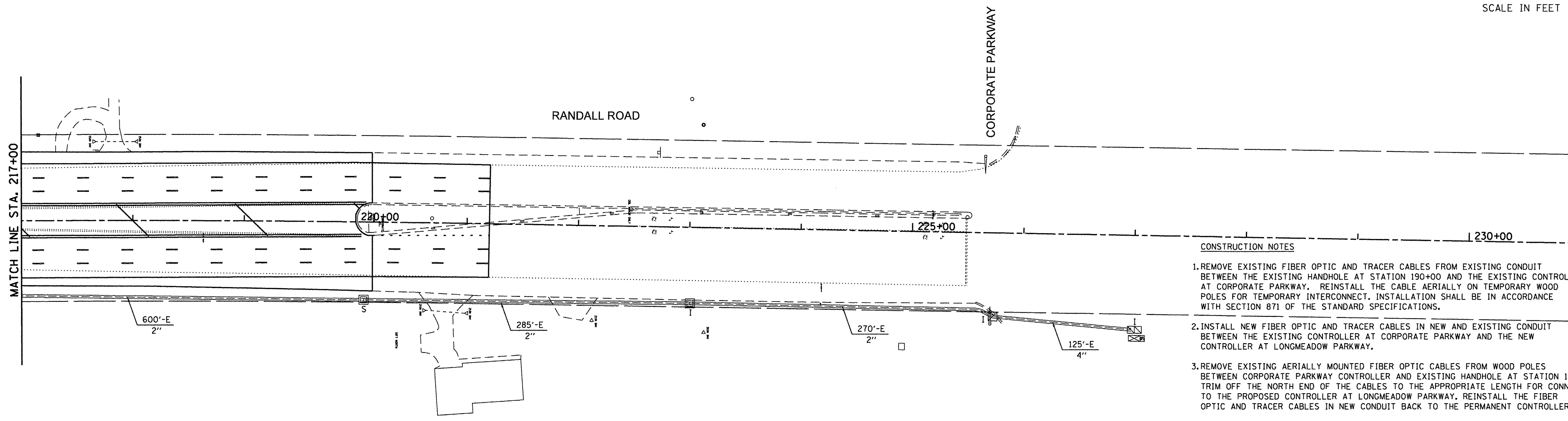
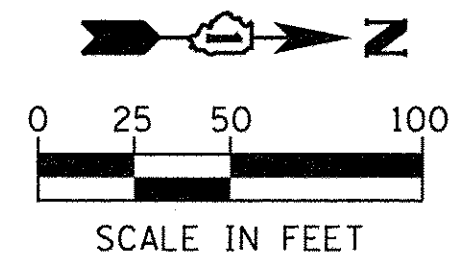
MATCH LINE STA. 206+00
SEE NEXT SHEET

MATCH LINE STA. 203+00
SEE BELOW

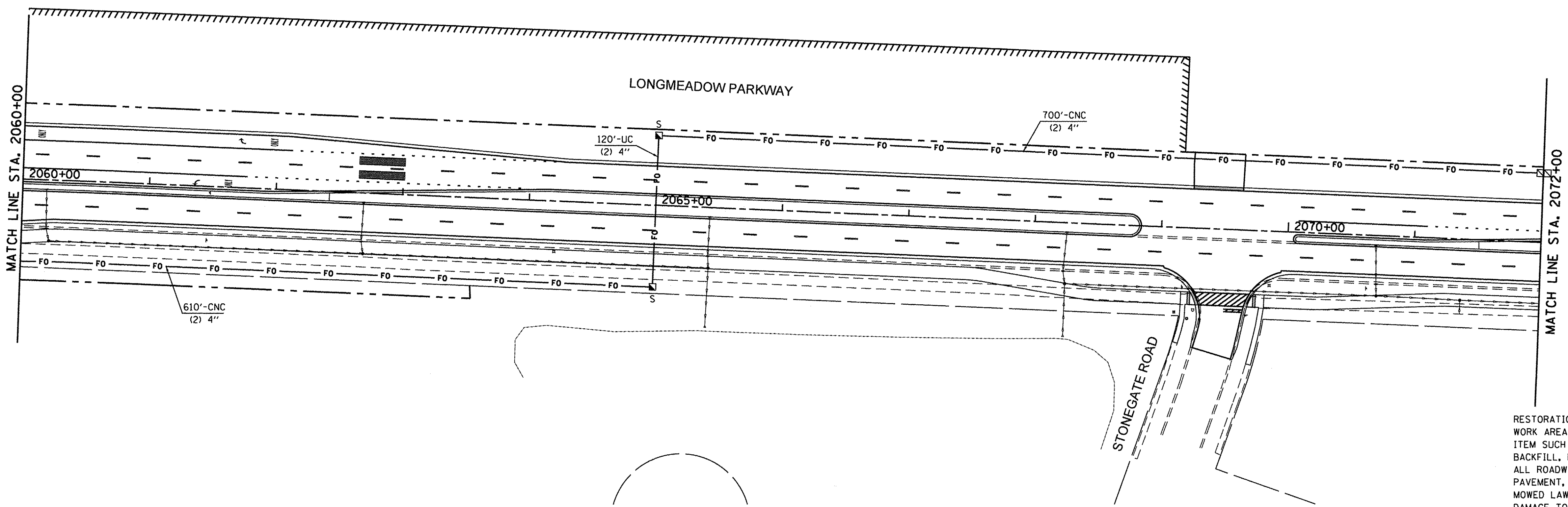
MATCH LINE STA. 217+00
SEE NEXT SHEET

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLD, TRENCH AND BACKFILL, ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD. AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

	USER NAME = HLR Power-GEOPAK	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT PLAN			F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 317	
	PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 61C41	
	PLOT DATE = 10/26/2016	DATE = 10/25/2016	REVISED -										ILLINOIS FED. AID PROJECT



- CONSTRUCTION NOTES**
1. REMOVE EXISTING FIBER OPTIC AND TRACER CABLES FROM EXISTING CONDUIT BETWEEN THE EXISTING HANDHOLE AT STATION 190+00 AND THE EXISTING CONTROLLER AT CORPORATE PARKWAY. REINSTALL THE CABLE AERIALLY ON TEMPORARY WOOD POLES FOR TEMPORARY INTERCONNECT. INSTALLATION SHALL BE IN ACCORDANCE WITH SECTION 871 OF THE STANDARD SPECIFICATIONS.
 2. INSTALL NEW FIBER OPTIC AND TRACER CABLES IN NEW AND EXISTING CONDUIT BETWEEN THE EXISTING CONTROLLER AT CORPORATE PARKWAY AND THE NEW CONTROLLER AT LONGMEADOW PARKWAY.
 3. REMOVE EXISTING AERIALLY MOUNTED FIBER OPTIC CABLES FROM WOOD POLES BETWEEN CORPORATE PARKWAY CONTROLLER AND EXISTING HANDHOLE AT STATION 190+00. TRIM OFF THE NORTH END OF THE CABLES TO THE APPROPRIATE LENGTH FOR CONNECTION TO THE PROPOSED CONTROLLER AT LONGMEADOW PARKWAY. REINSTALL THE FIBER OPTIC AND TRACER CABLES IN NEW CONDUIT BACK TO THE PERMANENT CONTROLLER.
 4. THE CONTRACTOR SHALL TEST THE EXISTING FIBER OPTIC CABLES TO ENSURE THEY MEET OR EXCEED THE MINIMUM SPECIFIED OPERATIONAL REQUIREMENTS. IF THOSE REQUIREMENTS ARE NOT MET, THE EXISTING FIBER OPTIC CABLES SHALL BE REMOVED AND REPLACED WITH NEW FIBER OPTIC CABLES AND RE-TESTED TO THE SATISFACTION OF THE ENGINEER.



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLD, TRENCH AND BACKFILL, ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



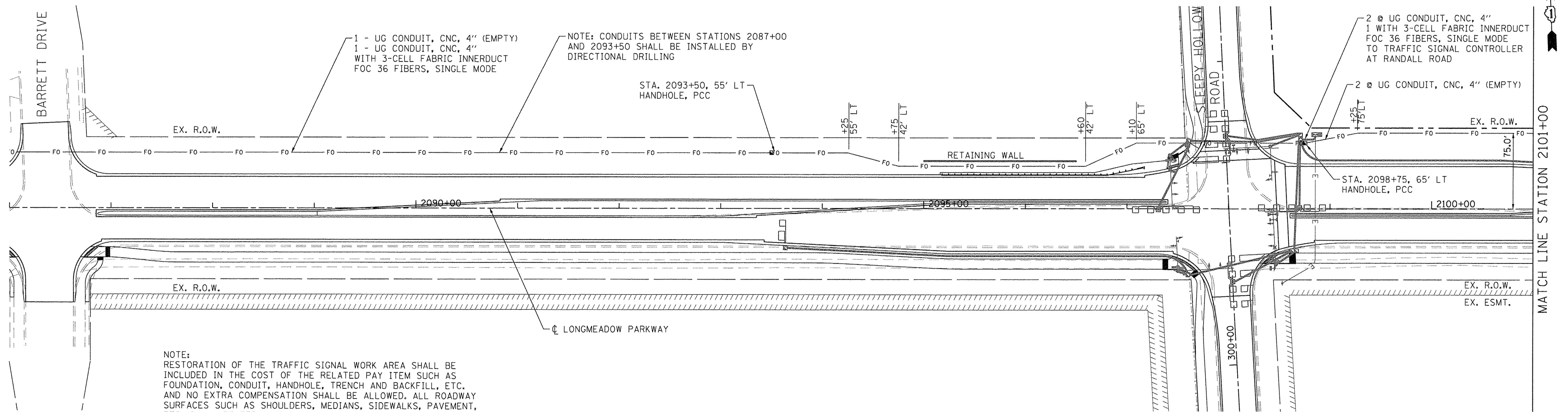
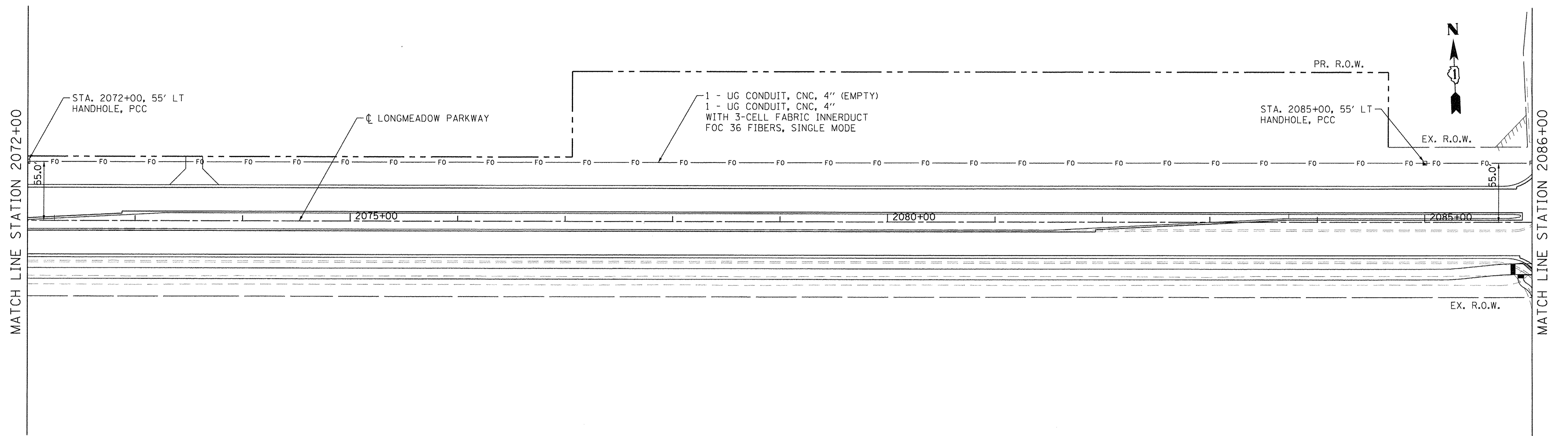
USER NAME = HLR Power-GEOPAK	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/26/2016	CHECKED -	REVISED -
	DATE = 10/25/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERCONNECT PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	318
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



NOTE:
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD. AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250, RESPECTIVELY.

FILE NAME = G:\CH13\00299\Road\Sheets\20131894-SHT-FDC-01.dgn



USER NAME = bshaeftiger	DESIGNED - M50	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN - M50	REVISED -
PLOT DATE = 10/26/2016	CHECKED - MFD	REVISED -
	DATE - 10/28/2016	REVISED -

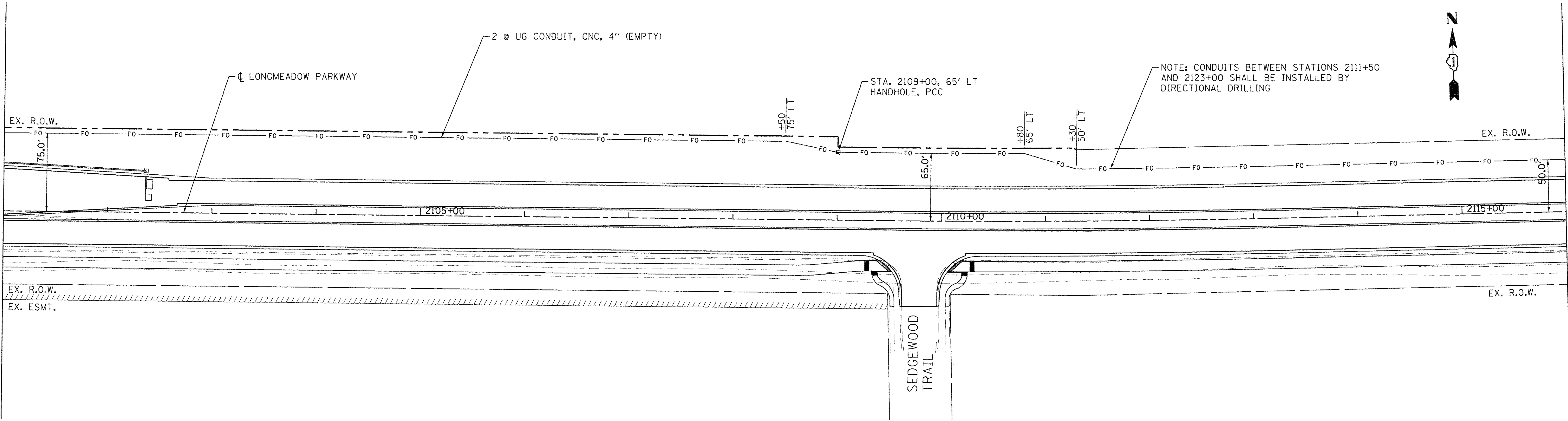
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

INTERCONNECT PLAN
 SCALE: 1" = 50' SHEET NO.319 OF 477 SHEETS STA. 2071+00 TO STA. 2101+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	13-00215-10-PV	KANE	477	319
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61C41	

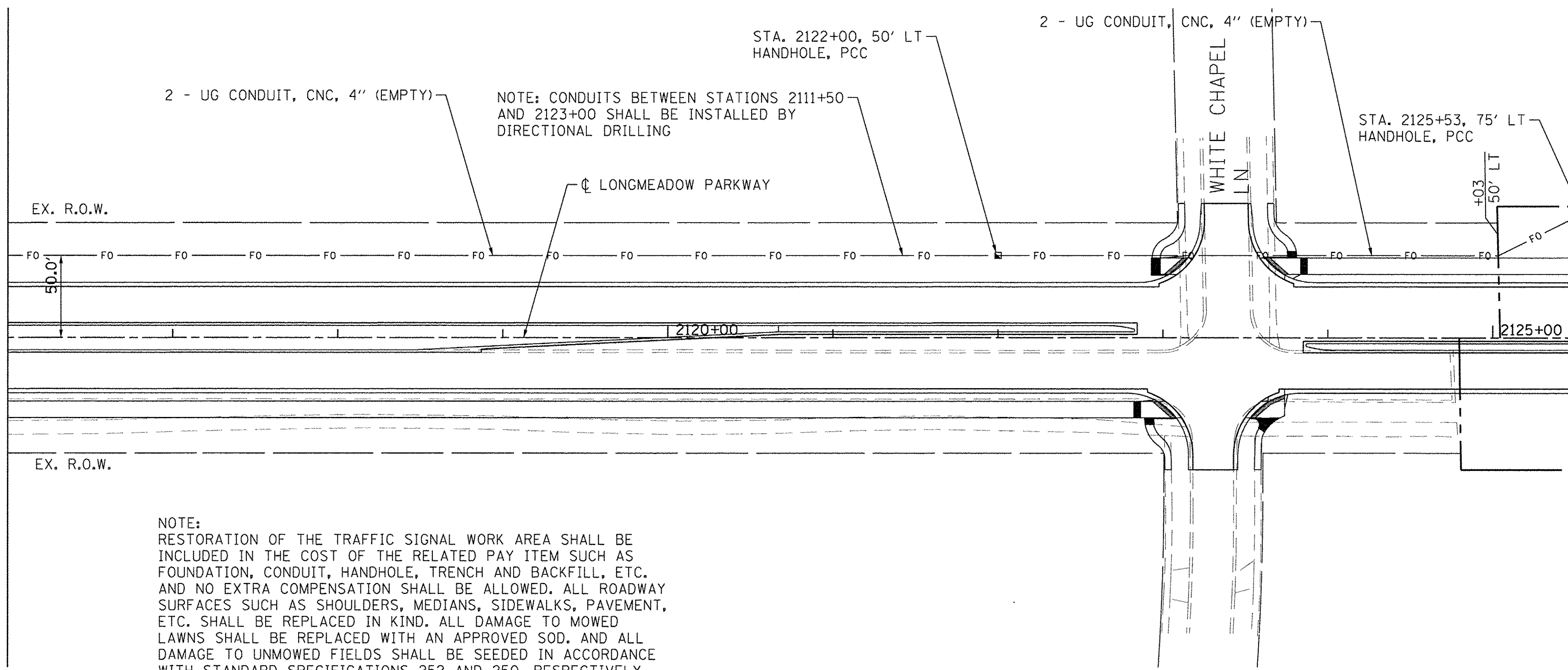
MATCH LINE STATION 2101+00

MATCH LINE STATION 2116+00



MATCH LINE STATION 2116+00

END CONSTRUCTION STATION 2125+53



NOTE:
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD. AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250, RESPECTIVELY.

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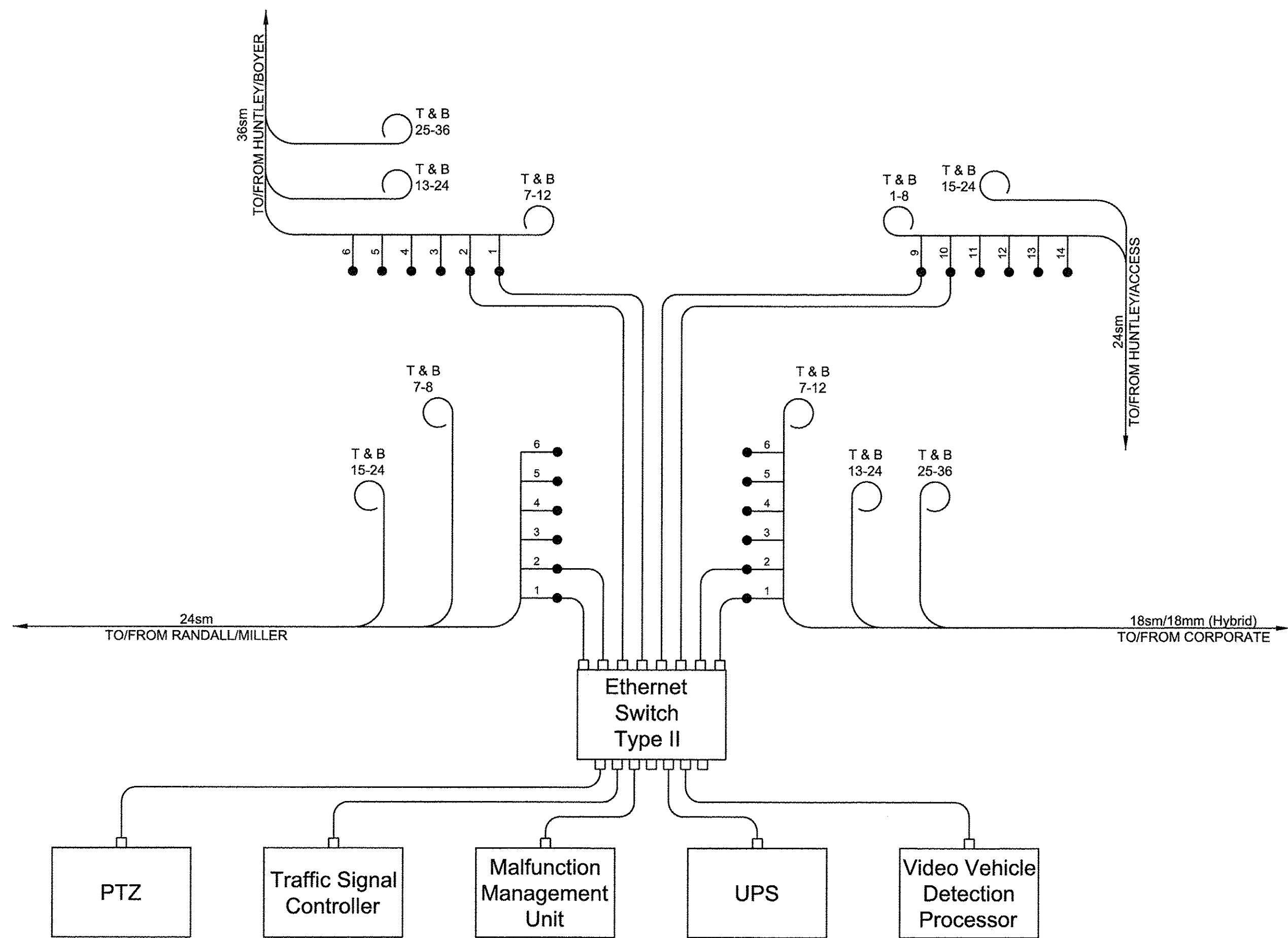
USER NAME = bshaefliger	DESIGNED - MEB	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - MEB	REVISED -
PLOT DATE = 10/26/2016	CHECKED - MFD	REVISED -
	DATE - 10/28/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

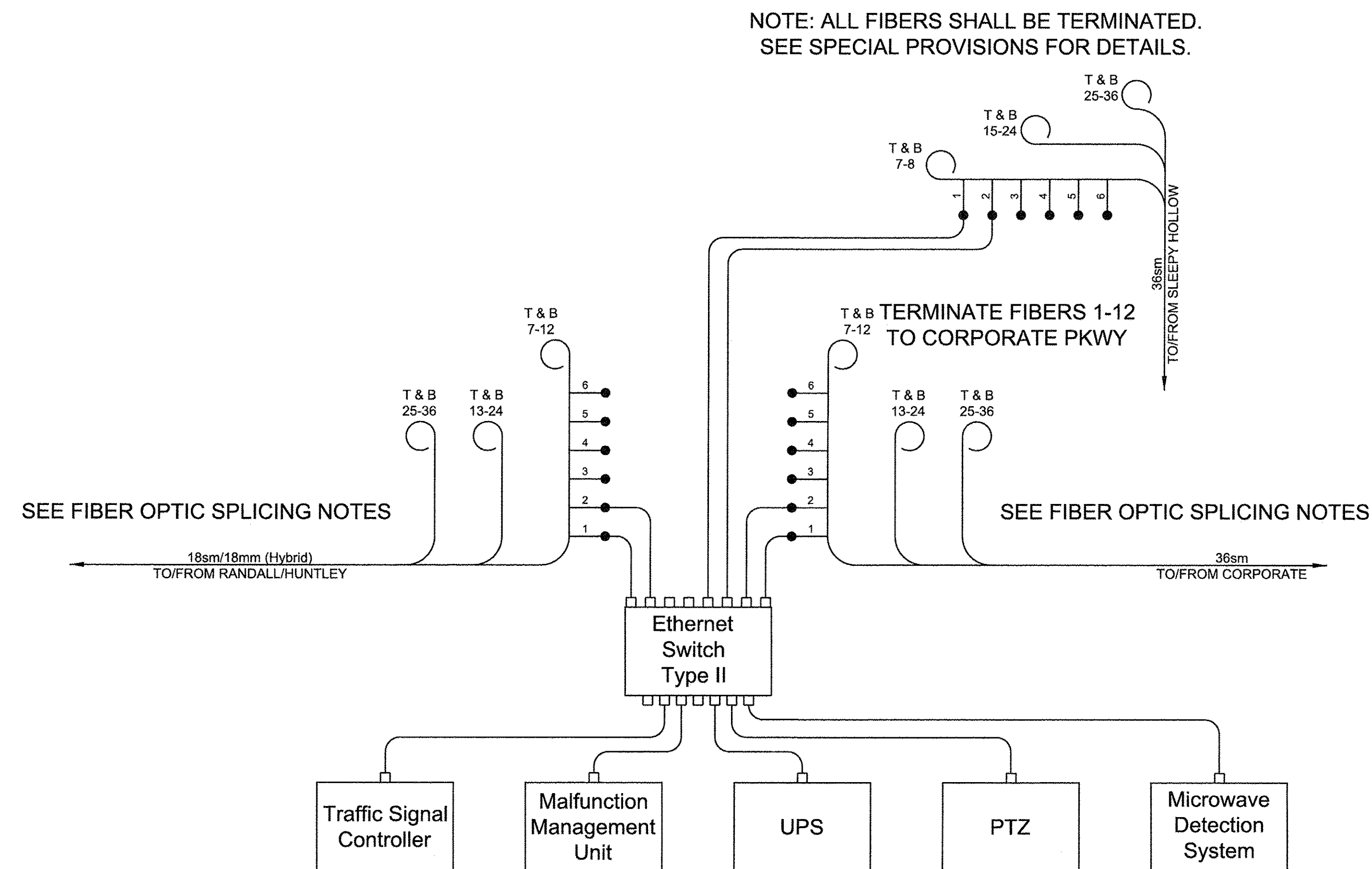
INTERCONNECT PLAN

SCALE: 1" = 50' SHEET NO.320 OF 477 SHEETS STA. 2101+00 TO STA. 2131+00

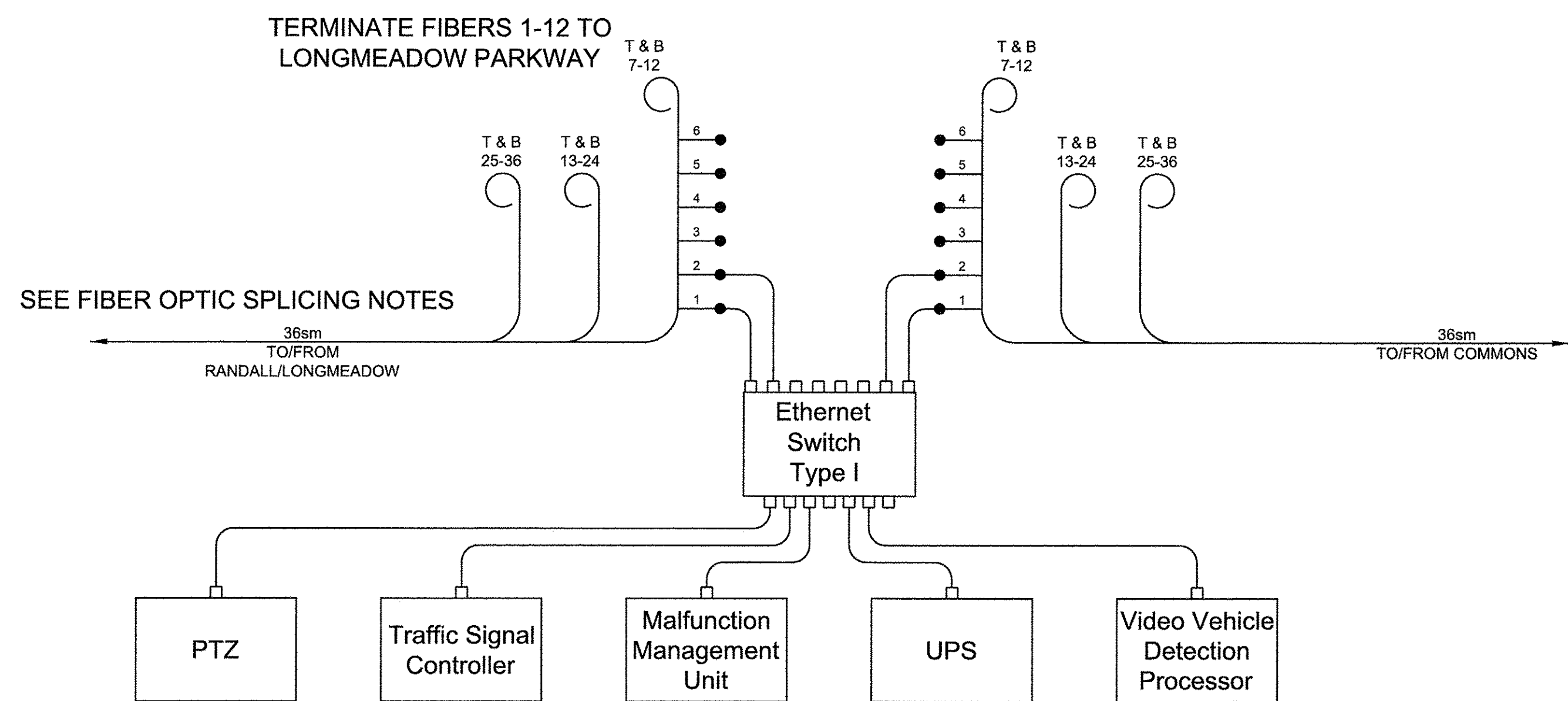
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	13-00215-10-PV	KANE	477	320
				CONTRACT NO. 61C41
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



RANDALL ROAD & HUNTLEY ROAD
VERIFY IN FIELD



RANDALL ROAD & LONGMEADOW PARKWAY



RANDALL ROAD & CORPORATE PARKWAY
VERIFY IN FIELD

NOTE: ALL FIBERS SHALL BE TERMINATED.
SEE SPECIAL PROVISIONS FOR DETAILS.

SEE FIBER OPTIC SPLICING NOTES

SEE FIBER OPTIC SPLICING NOTES

FIBER OPTIC SPLICING NOTES

THE EXISTING 18SM/18MM (HYBRID) FIBER OPTIC CABLE BETWEEN THE RANDALL/HUNTLEY ROAD INTERSECTION AND THE RANDALL ROAD/CORPORATE PARKWAY INTERSECTION CONTAINS A SPLICE-THROUGH ON FIBERS 1-6. THE PROPOSED WORK SHALL INCLUDE THE RE-ESTABLISHMENT OF THE SPLICE-THROUGHS ON EXISTING AND NEW CABLES AT RANDALL/LONGMEADOW AND AT RANDALL/CORPORATE TO MAINTAIN THE EXISTING FIBER CIRCUIT. COORDINATE WITH KDOT TRAFFIC, 630-208-3139, TO VERIFY FIBER ASSIGNMENTS. COST OF THE SPLICES AND RELATED ITEMS REQUIRED TO RE-ESTABLISH THE CIRCUIT, SHALL BE INCLUDED IN THE COST OF THE NEW FIBER OPTIC CABLE.



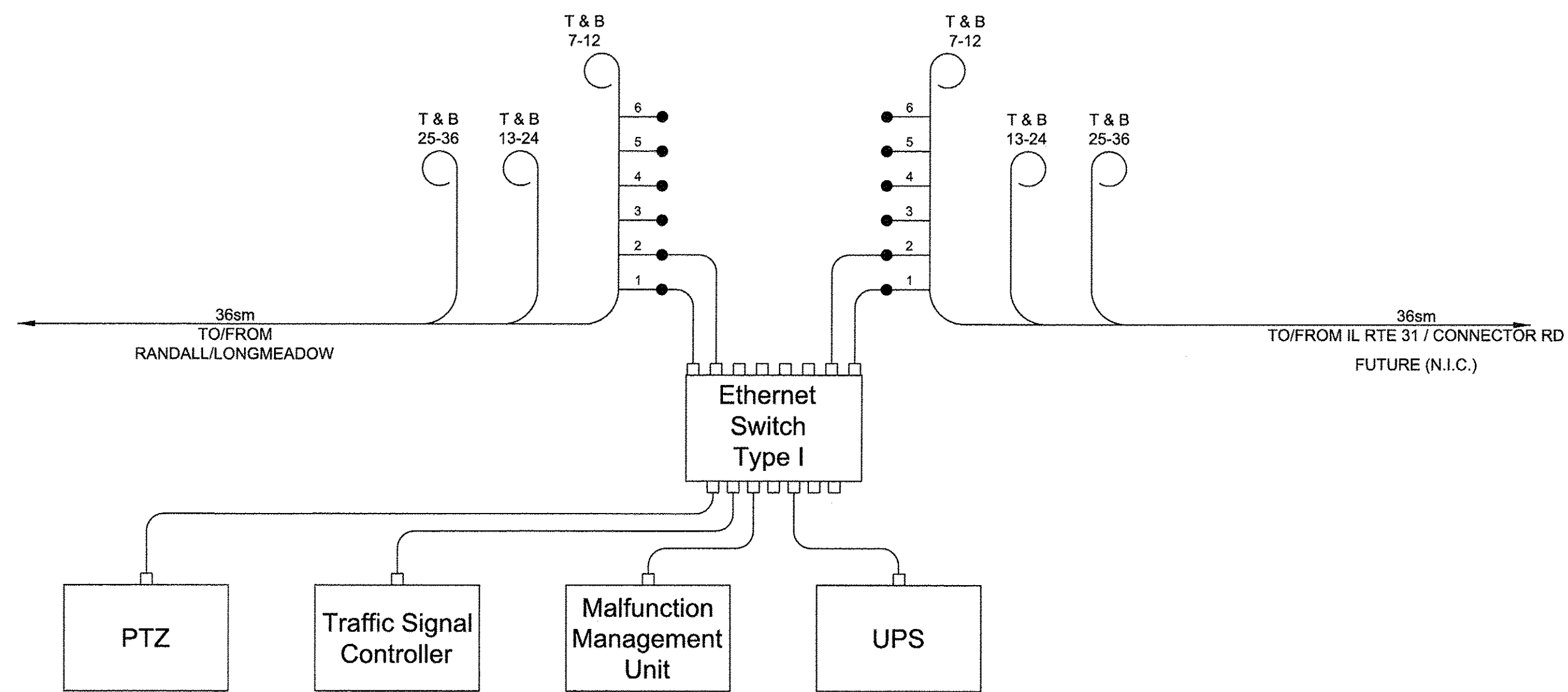
USER NAME = HLR PowerGEOPAK	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/26/2016	CHECKED -	REVISED -
	DATE = 10/25/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FIBER SPLICING DIAGRAM

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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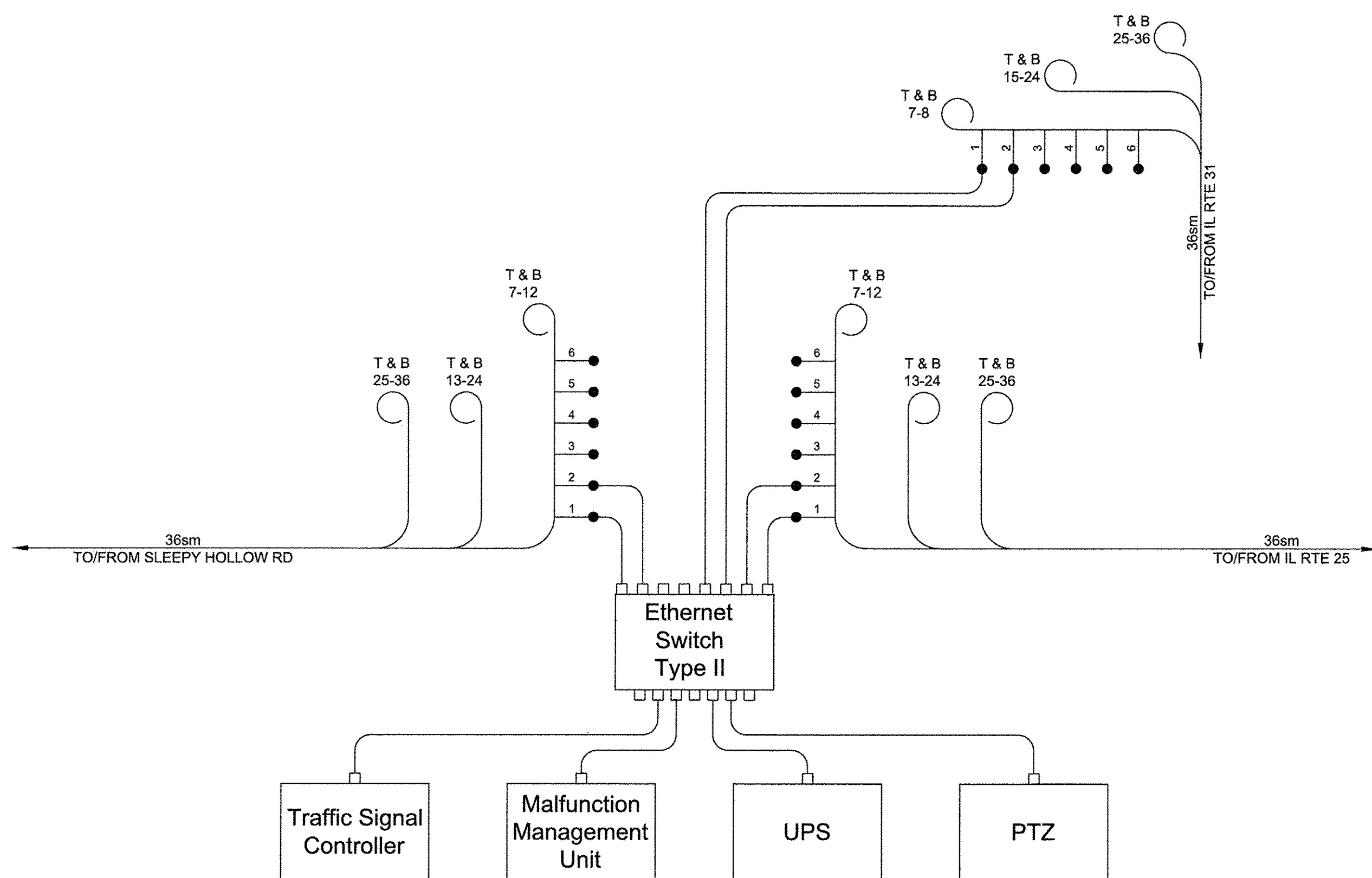
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	321
CONTRACT NO. 61C41			ILLINOIS FED. AID PROJECT	



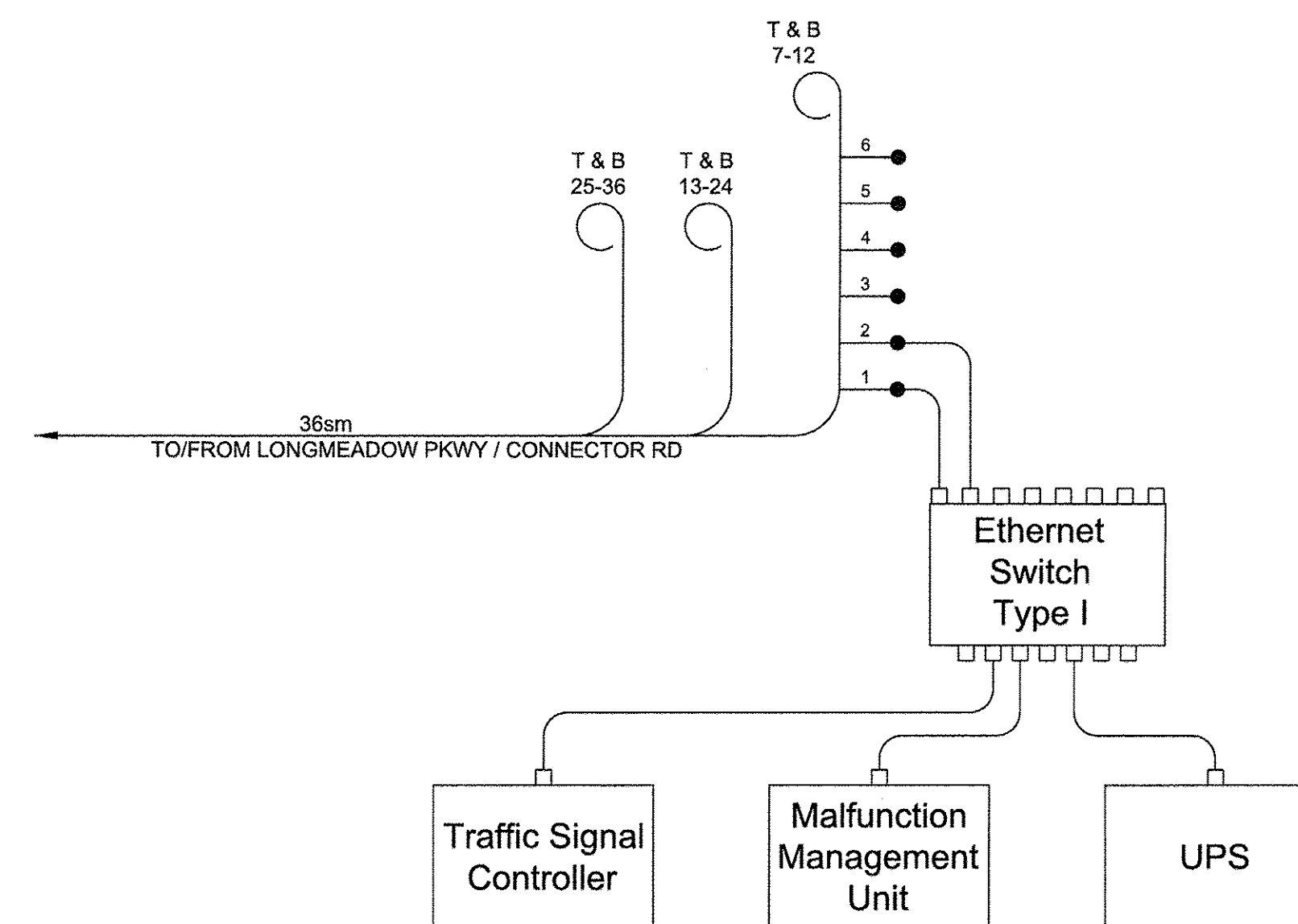
LONGMEADOW PARKWAY AT SLEEPY HOLLOW ROAD

NOTES:
 1. ALL FIBERS SHALL BE TERMINATED, SEE SPECIAL PROVISIONS FOR DETAILS.

FUTURE CONTROLLERS, NOT IN CONTRACT



LONGMEADOW PARKWAY AT CONNECTOR ROAD



CONNECTOR ROAD AT IL RTE 31

FILE NAME = g:\CH13\0195\Road\Sheets\201318\94-SHT-Signals-Fiber-Splicing-Diagram-01.dgn



USER NAME = bshae11ger	DESIGNED - BSH	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - MGB	REVISED -
PLOT DATE = 10/26/2016	CHECKED - MFD	REVISED -
	DATE - 10/28/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

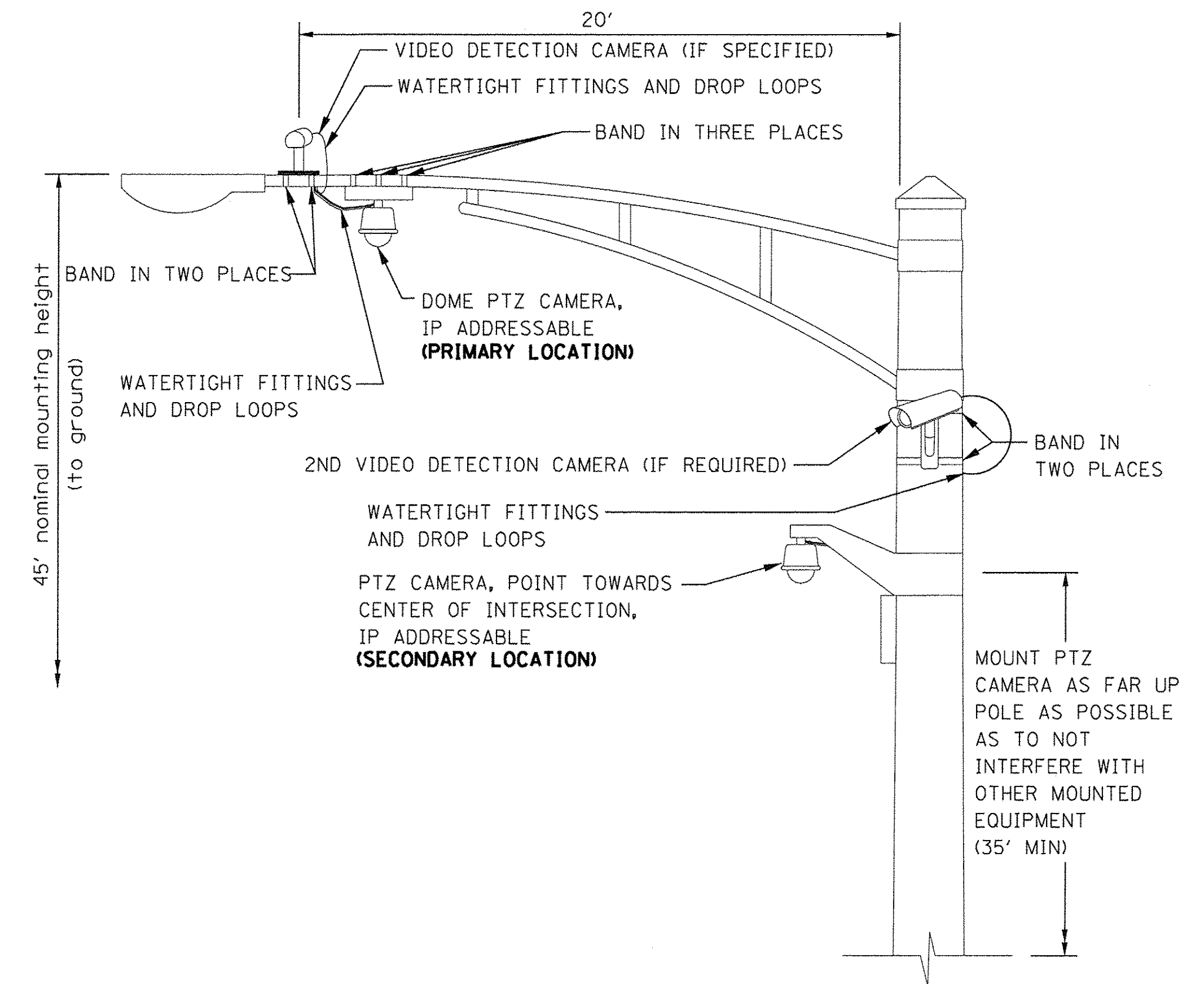
FIBER SPlicing DIAGRAM

SCALE: SHEET 322 OF 477 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	13-00215-10-PV	KANE	477	322
CONTRACT NO. 61C41				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

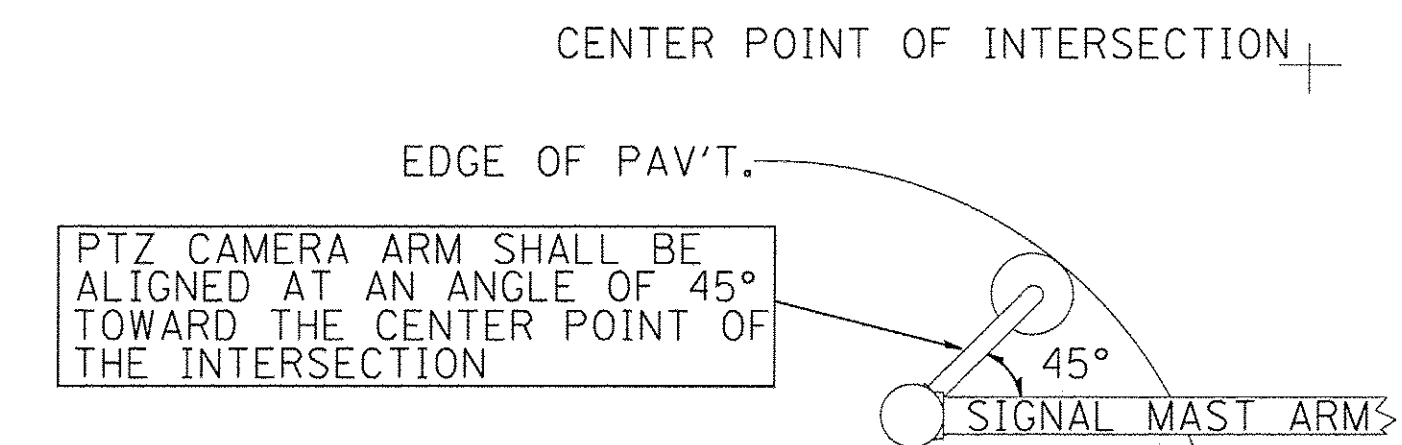
GENERAL NOTES FOR ALL PTZ (PAN, TILT, ZOOM) CAMERA INSTALLATIONS

- CABLE SLACK SHALL MEET IDOT REQUIREMENTS EXCEPT WHERE SLACK IS PROVIDED IN HANDHOLES AND DOUBLE HANDHOLES. SLACK SHALL BE 15' MIN. IN ALL HANDHOLES FOR PTZ RELATED CABLES.
- PTZ CAMERAS SHALL BE IP (INTERNET PROTOCOL) ADDRESSABLE. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH KDOT TRAFFIC IN REQUESTING AND PROGRAMMING THE IP ADDRESS DESIRED BY KDOT TRAFFIC INTO THE PTZ EQUIPMENT. ANY VIDEO SOFTWARE, ENCODING, OR DECODING HARDWARE/SOFTWARE SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AND SHALL BE INCLUDED IN THE COST OF THE PTZ CAMERA SYSTEM.
- CAMERA SHALL HAVE A MINIMUM THIRTY (30x) MECHANICAL ZOOM AND MINIMUM TWELVE (12x) DIGITAL ZOOM. VIDEO QUALITY SHALL BE H.D. TV QUALITY (720p MINIMUM).
- PTZ CAMERA SHALL BE HIGH POE (POWER OVER ETHERNET) UNLESS OTHERWISE STATED. A POE EXTENDER SHALL BE INSTALLED WITHIN AN APPROPRIATELY SPACED AUXILIARY CABINET (DT-ST SERIES) AS TO NOT EXCEED 300 FEET CONSECUTIVE CABLE LENGTH AS MEASURED ALONG THE CABLE (INCLUDING CABLE SLACK). COST OF AUXILIARY CABINET AND REQUISITE ADDITIONAL CABLES, FIBER OPTIC, JUMPERS, ETC. SHALL BE INCLUDED IN THE COST OF THE PTZ CAMERA BEING INSTALLED.
- PTZ CABLES SHALL BE OUTDOOR RATED CAT6 UNLESS OTHERWISE RECOMMENDED BY EQUIPMENT MANUFACTURER AND APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL PROVIDE AN ITEMIZED INVENTORY OF THE PTZ CAMERA EQUIPMENT AND CABINET COMPONENTS CONTAINING MODEL, SERIAL, AND PART NUMBERS. THIS INVENTORY TO BE FURNISHED DURING SIGNAL OR MAINTENANCE TRANSFER.
- RUBBER GROMITS SHALL BE INSTALLED IN ALL HOLES / OPENINGS USED TO RUN PTZ EQUIPMENT CABLE.
- THE CONTRACTOR SHALL CONTACT KANE COUNTY TRAFFIC PRIOR TO INSTALLING THE PTZ CAMERA AND ASSOCIATED WIRING TO RECEIVE FINAL APPROVAL ON THE CAMERA LOCATION.



CAMERA MOUNTING ASSEMBLY DETAIL: COMBINATION MAST ARMS

(NOT TO SCALE)



PTZ CAMERA MOUNTING DETAILS

(SECONDARY LOCATION ONLY)
(NOT TO SCALE)

FILE NAME = G:\CH\13\0109\Road\Sheets\20131894-SHT-DETAILED-CAMERA.dgn



USER NAME = bshaef1iger	DESIGNED - BSH	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - MLB	REVISED -
PLOT DATE = 10/26/2016	CHECKED - MFD	REVISED -
	DATE - 10/28/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

POLE MOUNTED CAMERA ASSEMBLY

SCALE: N.T.S. SHEET 323 OF 477 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	13-00215-10-PV	KANE	477	323
CONTRACT NO. 61C41				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

Bench Mark: BM #8 Rail Road spike in power pole at Northeast corner of Sleepy Hollow Road and Longmeadow Parkway, Sta. 2098+19.50, offset 105.9' Lt, Elev. 920.87

Existing Structure: None

DESIGN SPECIFICATIONS
2014 AASHTO LRFD Bridge Design Specifications,
7th Edition with 2016 Interims

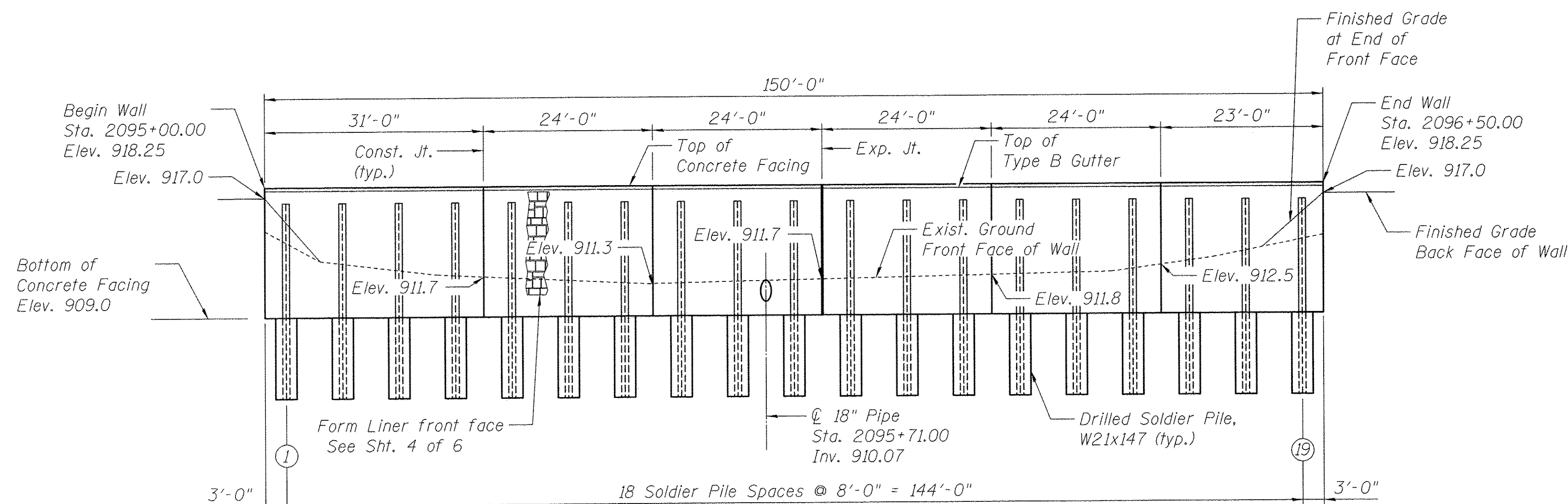
DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

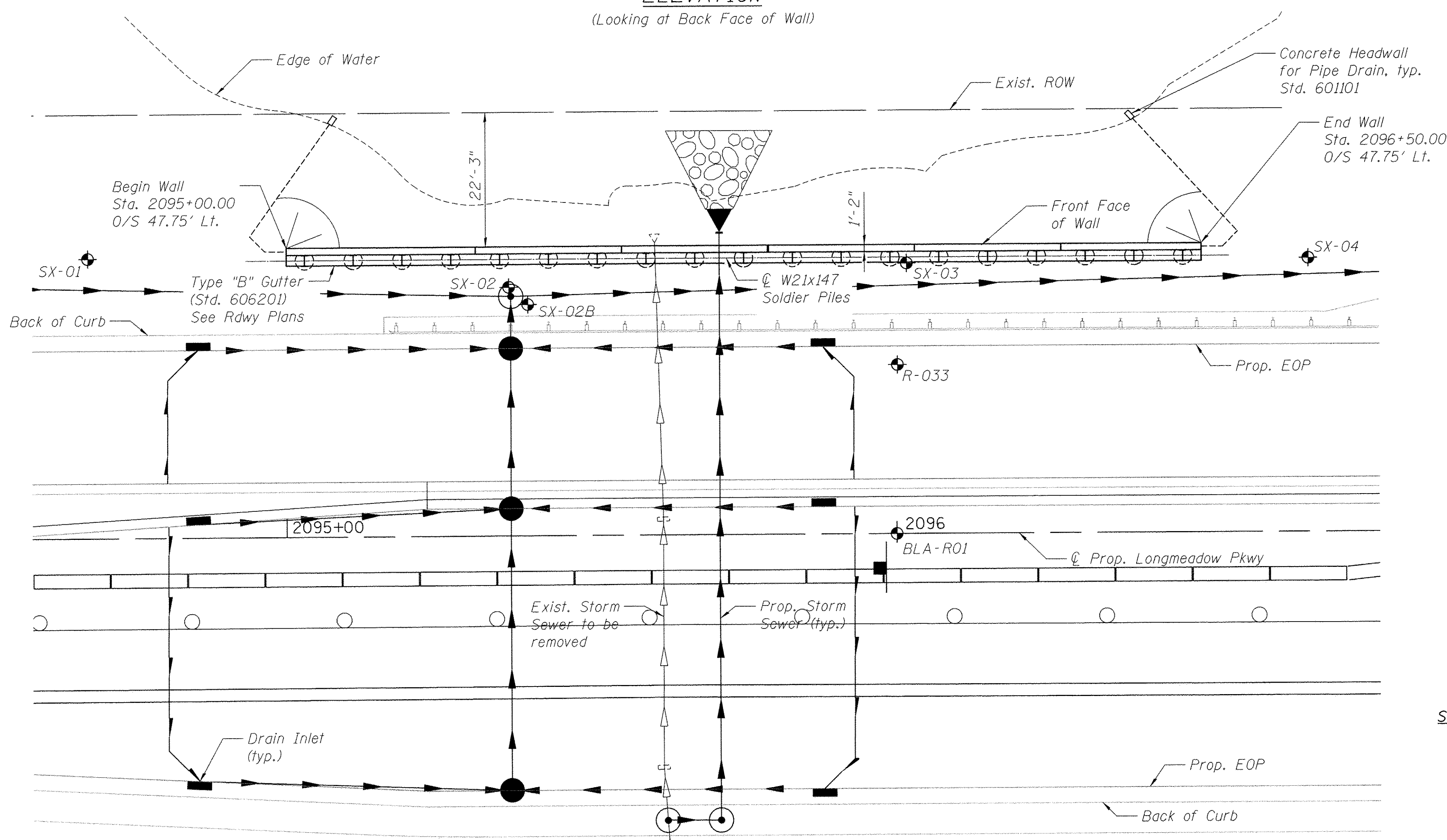
TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Porous Granular Backfill	Cu. Yd.	90
Structure Excavation	Cu. Yd.	60
Concrete Structures	Cu. Yd.	64.4
Form Liner Textured Surface	Sq. Ft.	920
Stud Shear Connectors	Each	152
Reinforcement Bars, Epoxy Coated	Pound	6,350
Geocomposite Wall Drain	Sq. Yd.	135
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	2,950
Untreated Timber Logging	Sq. Ft.	1,092
Furnishing Soldier Piles (W Section)	Foot	501
Pipe Underdrains for Structures 4"	Foot	215

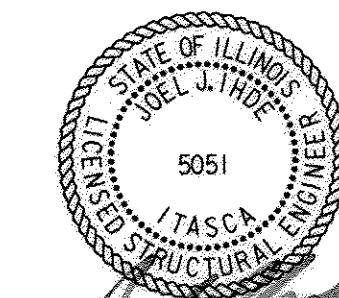
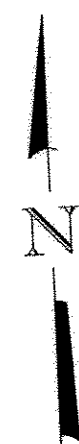
Note:
Stations, offsets and dimensions are measured along front face of wall.



ELEVATION
(Looking at Back Face of Wall)

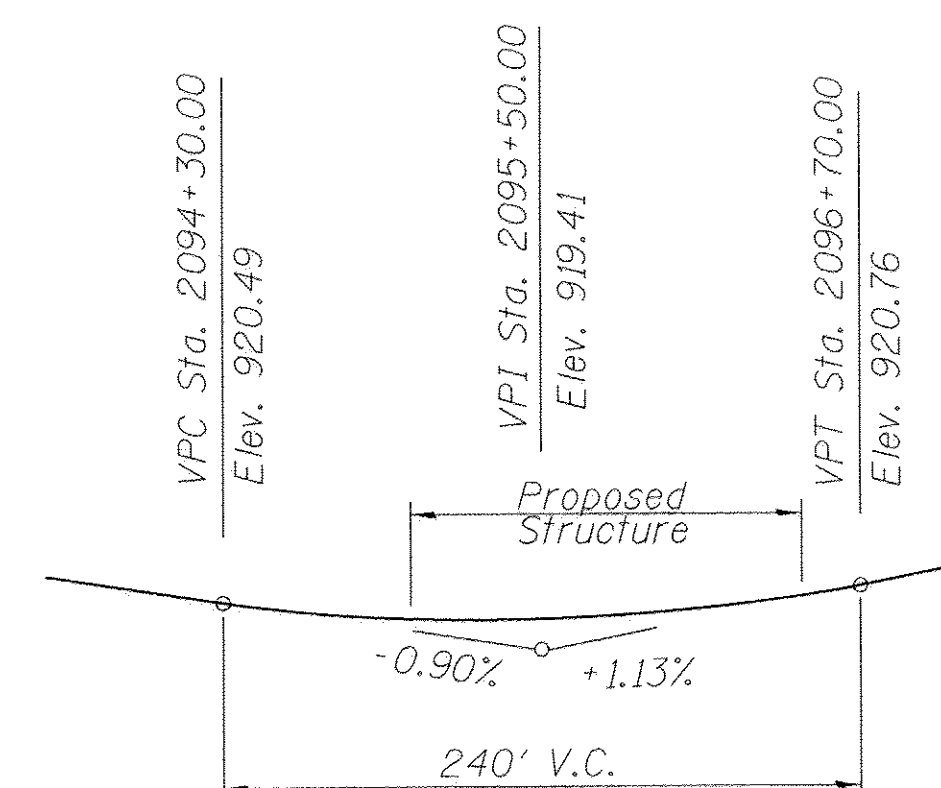


PLAN



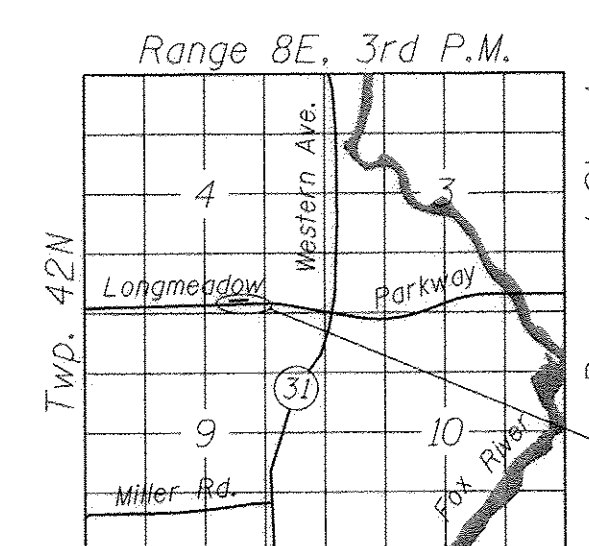
DATE SIGNED: 10-27-2016
EXP. DATE: 11-30-2016

I certify that to the best of my knowledge, information and belief, this wall design is structurally adequate for the design loading shown on the plans. The design is an economical one of the style of structure and complies with the requirements of the current AASHTO LRFD Bridge Design Specifications.



PROFILE GRADE

(along prop. C Longmeadow Parkway)



LOCATION SKETCH

INDEX OF SHEETS

SHEET NO.	SHEET TITLE
1.	General Plan & Elevation
2.	Soldier Pile Layout
3.	Soldier Pile Details
4.	Concrete Facing Details
5.	Boring Logs I
6.	Boring Logs II

GENERAL PLAN AND ELEVATION

LONGMEADOW PARKWAY

RETAINING WALL RW-01

F.A.P. RTE. 361 SECTION 13-00215-10-PV

KANE COUNTY

STA. 2095+00.00 TO STA. 2096+50.00

FILE NAME = W:\SP4-010\KDOT LMP Section B\CADD\Structural\Section B\Ret Wall_RW-01 - Sleepy Hollow Rd\SHI 01 General Plan.dwg

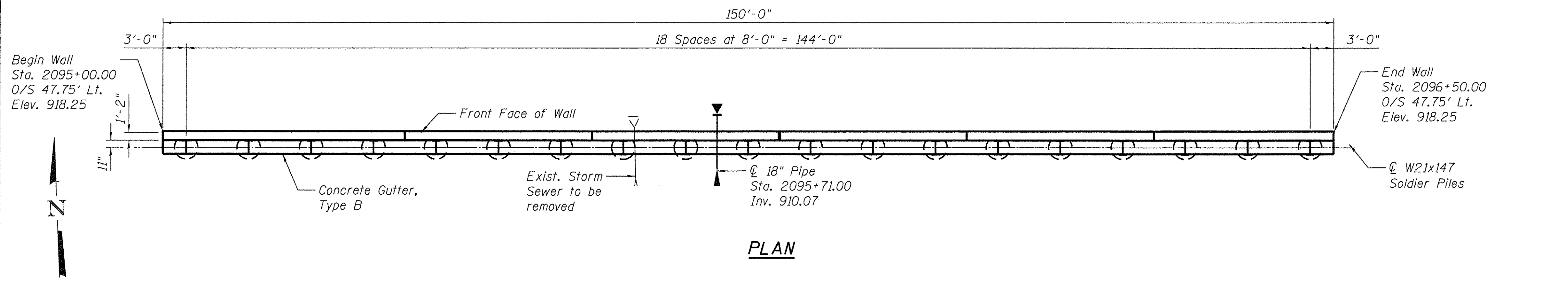
Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME =	DESIGNED - NS	REVISED
PLOT SCALE =	CHECKED - JJI	REVISED
PLOT DATE =	DRAWN - GM	REVISED
	CHECKED - JJI	REVISED

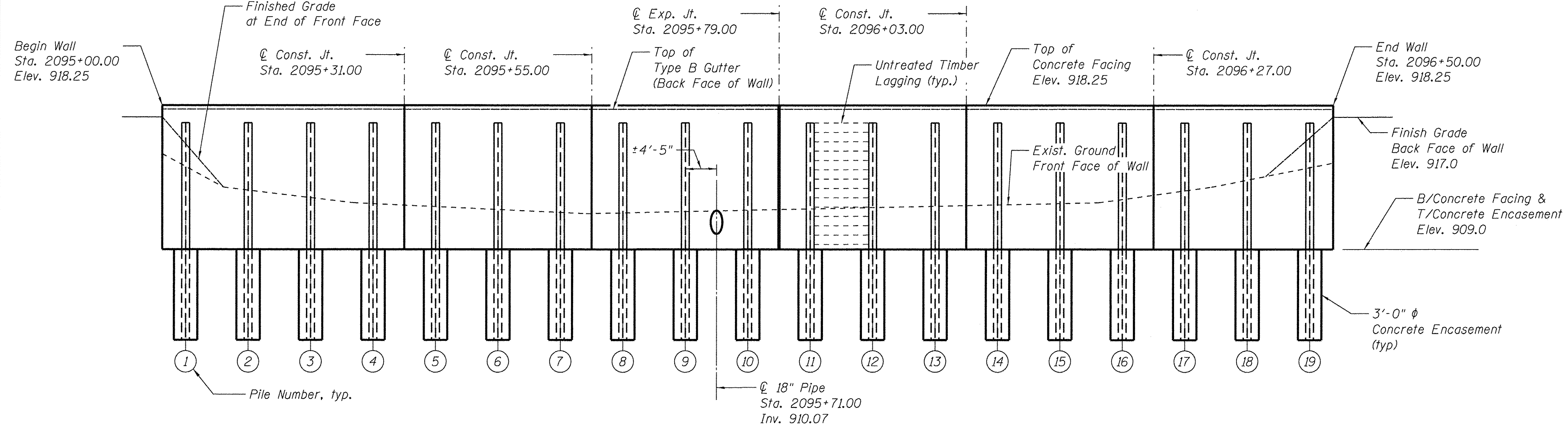
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
RETAINING WALL RW-01

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	Kane	477	324
CONTRACT NO. 61C41				
ILLINOIS FED. AID PROJECT				



PLAN



ELEVATION
(Looking at Back Face of Wall)

PILE SCHEDULE

Pile No.	Station	Offset to \odot Pile (ft)	Pile Designation	Approx. Pile Length	Bottom Elevation	Top Elevation	Shear Studs	
							No.	Spacing
1	2095+03.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
2	2095+11.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
3	2095+19.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
4	2095+27.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
5	2095+35.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
6	2095+43.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
7	2095+51.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
8	2095+59.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
9	2095+67.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
10	2095+75.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
11	2095+83.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
12	2095+91.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
13	2095+99.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
14	2096+07.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
15	2096+15.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
16	2096+23.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
17	2096+31.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
18	2096+39.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"
19	2096+47.00	45.67	W21x147	26'-4"	890.25	916.58	8	12"

GENERAL NOTES

All exposed concrete edges shall be chamfered $\frac{3}{4}$ " unless otherwise noted.
 Reinforcement bars designated (E) shall be epoxy coated.
 The timber lagging shall be a minimum 3 inch nominal rough-swan thickness with a minimum allowable bending stress of 1,000 psi.
 Concrete sealer shall be applied to exposed surfaces of the front face, top face, and back face of the wall.
 The Concrete Facing shall not be poured before all grading work behind and above the wall is complete.

BILL OF MATERIAL

ITEM	UNIT	Quantity
Furnishing Soldier Piles (W Section)	Foot	501
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	2,950
Untreated Timber Lagging	Sq. Ft.	1092
Stud Shear Connectors	Each	152

Note: Stations, offsets and dimensions are measured along front face of wall.

FILE NAME = H:\994-010-KDOT-LMP-Section-B\CADD-SHEETS\Structural\Section-B\Rev-Wall-RW-01-Sloped-Hollow-Rod\SHI_02-Pile-Layout.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

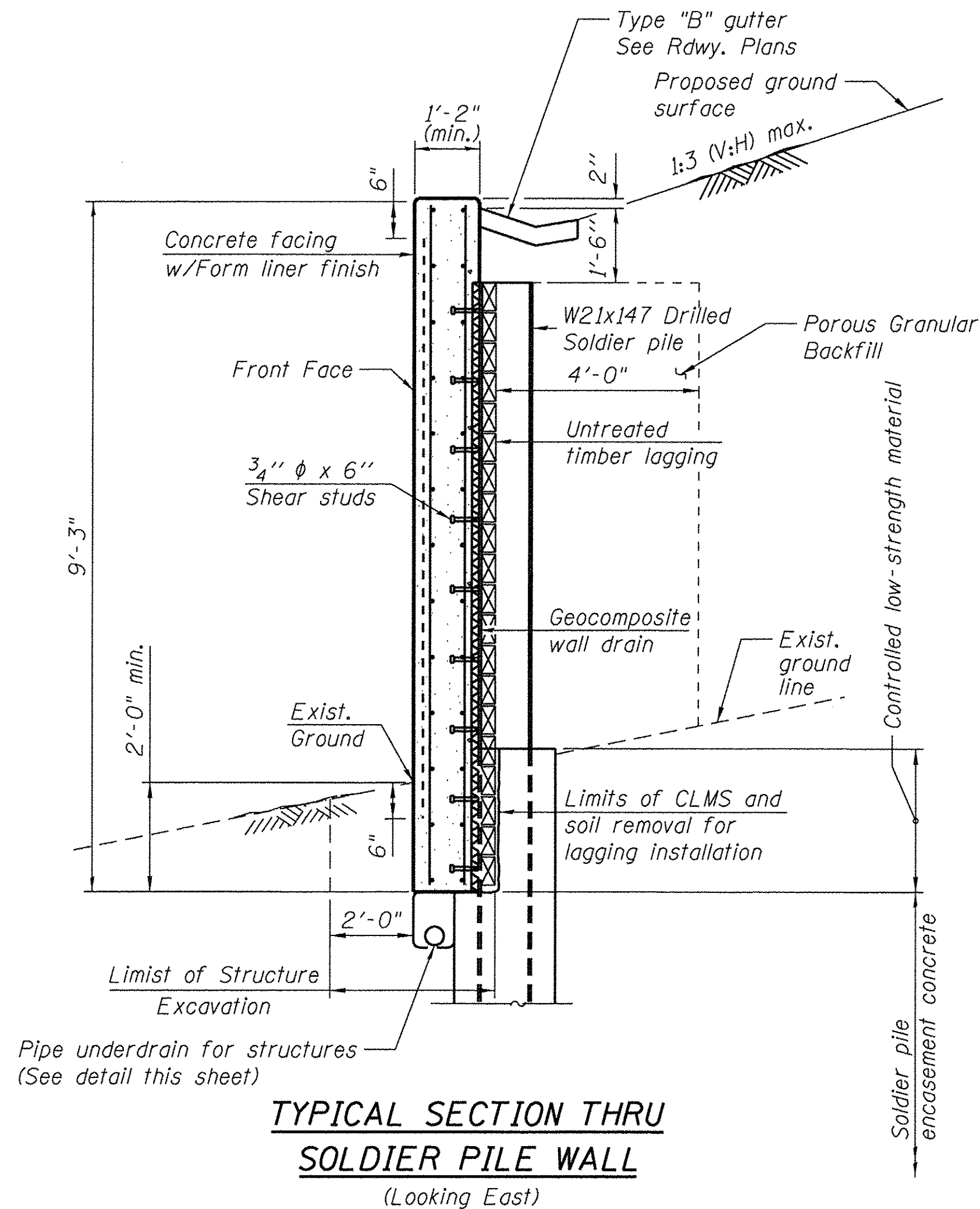
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PLOT SCALE =	CHECKED - JJI	REVISED
PLOT DATE =	DRAWN - GM	REVISED
	CHECKED - JJI	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

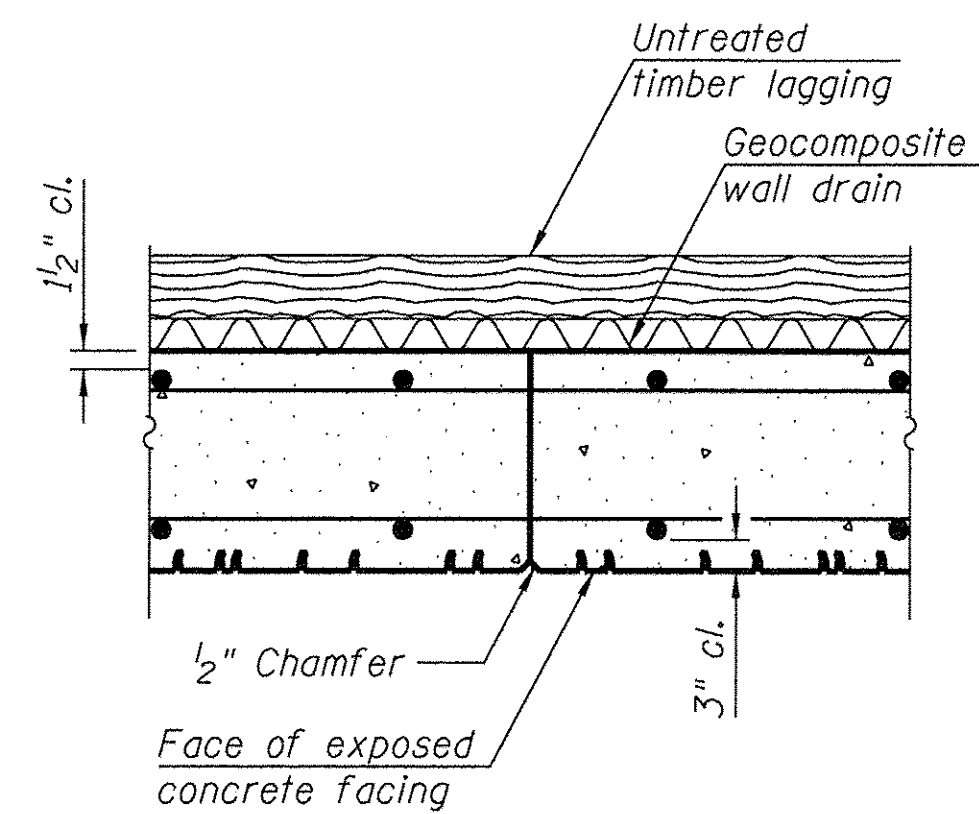
SOLDIER PILE LAYOUT
RETAINING WALL RW-01

SHEET NO. 2 OF 6 SHEETS

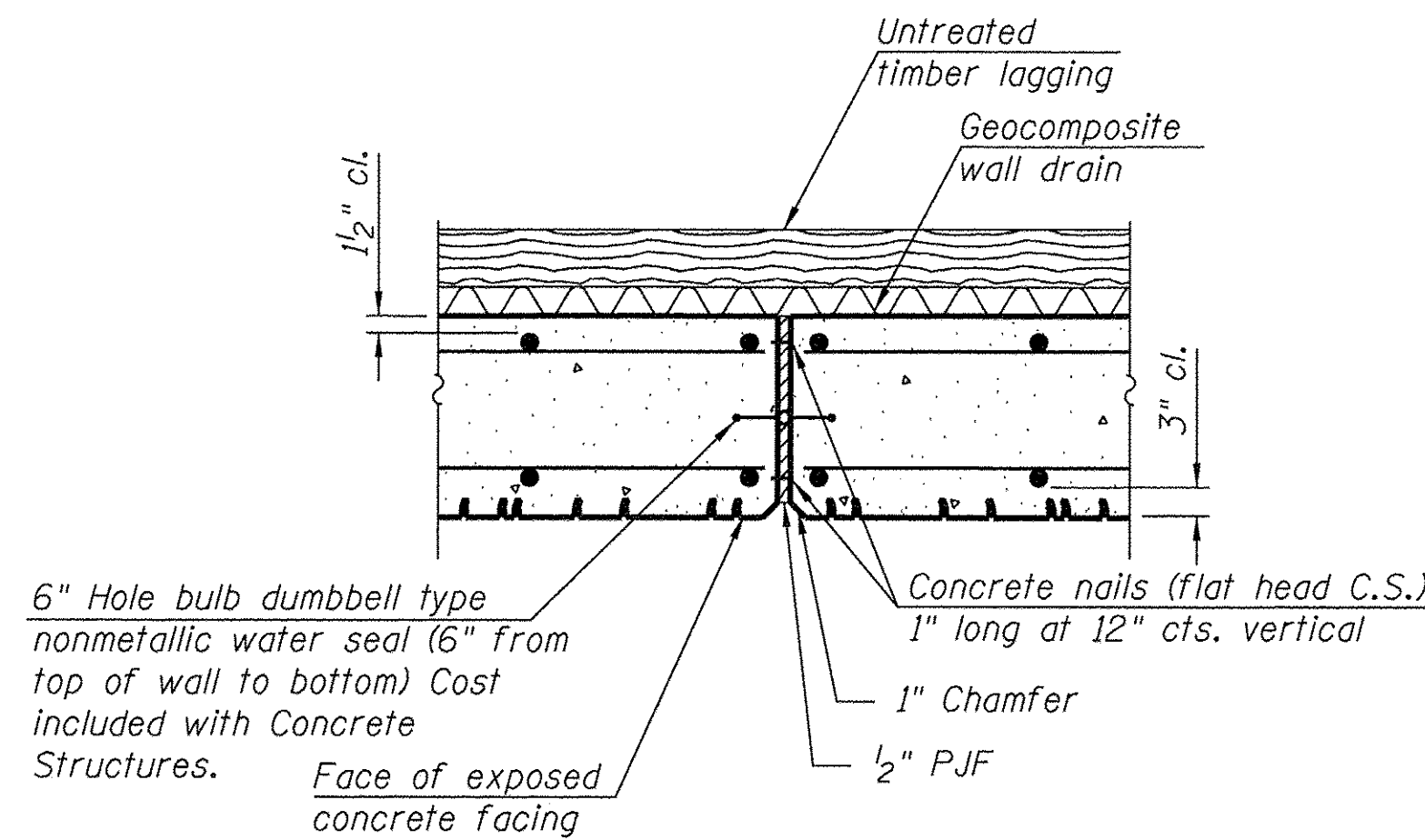
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	Kane	477	325
CONTRACT NO. 61C41			ILLINOIS FED. AID PROJECT	



TYPICAL SECTION THRU SOLDIER PILE WALL
(Looking East)

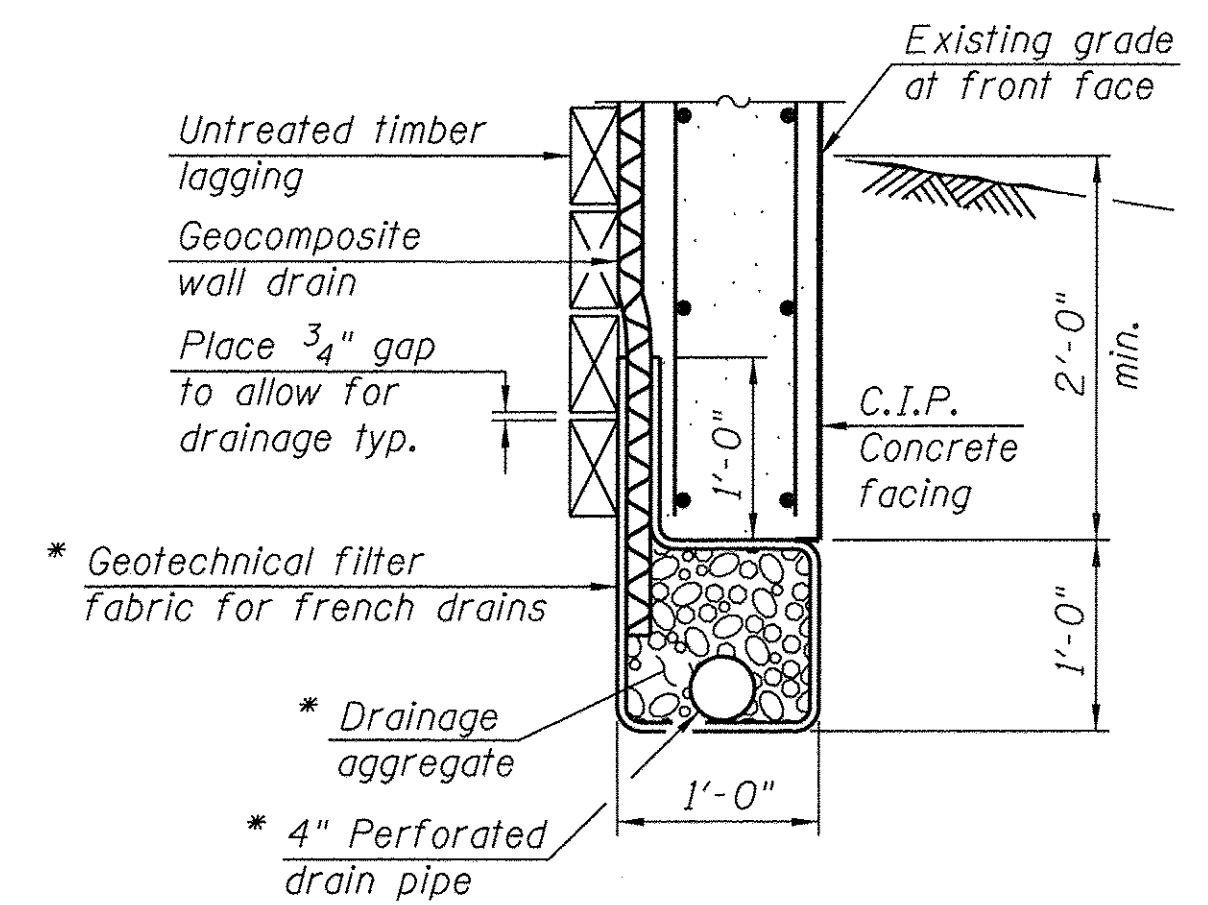


CONSTRUCTION JOINT

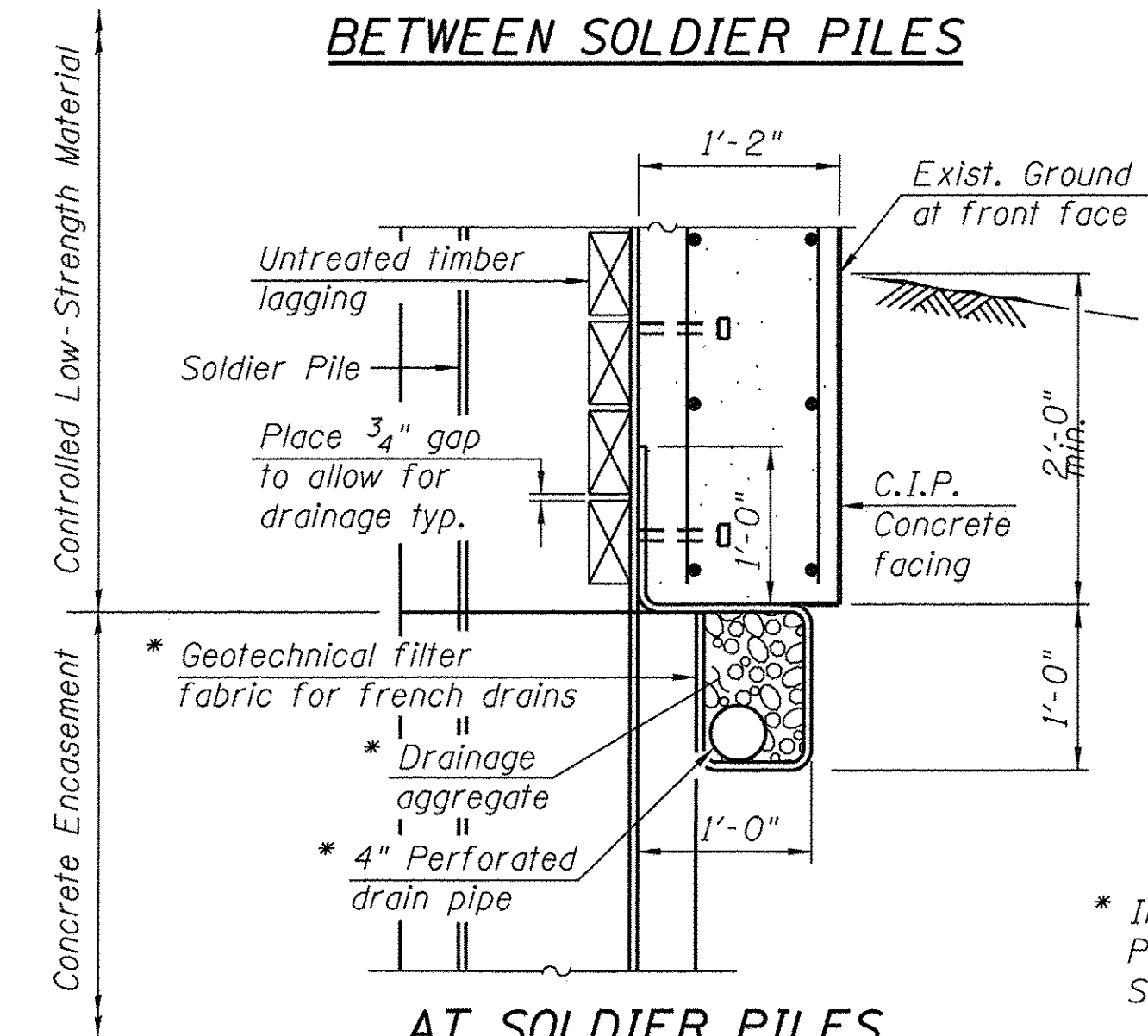


EXPANSION JOINT

JOINT DETAILS



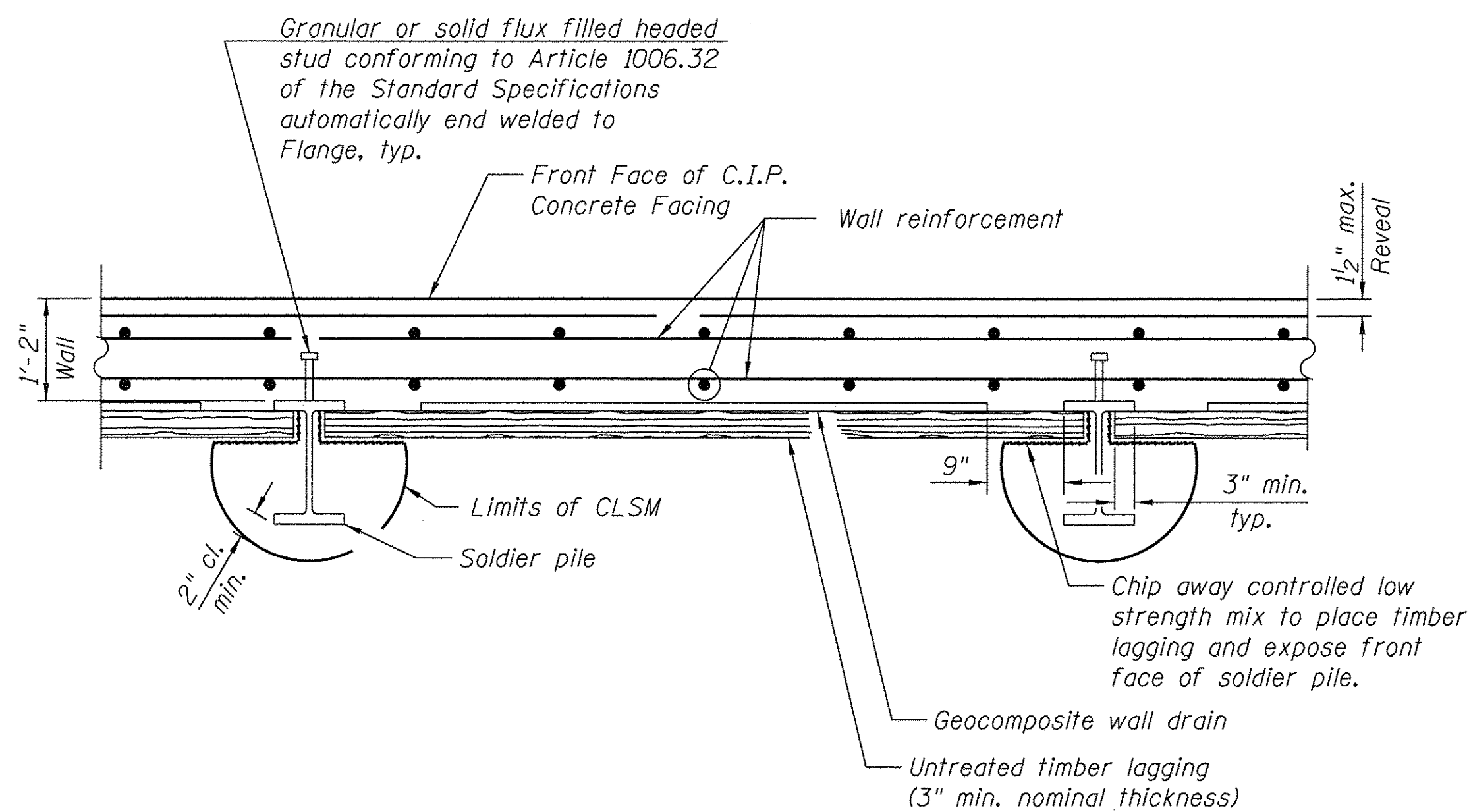
BETWEEN SOLDIER PILES



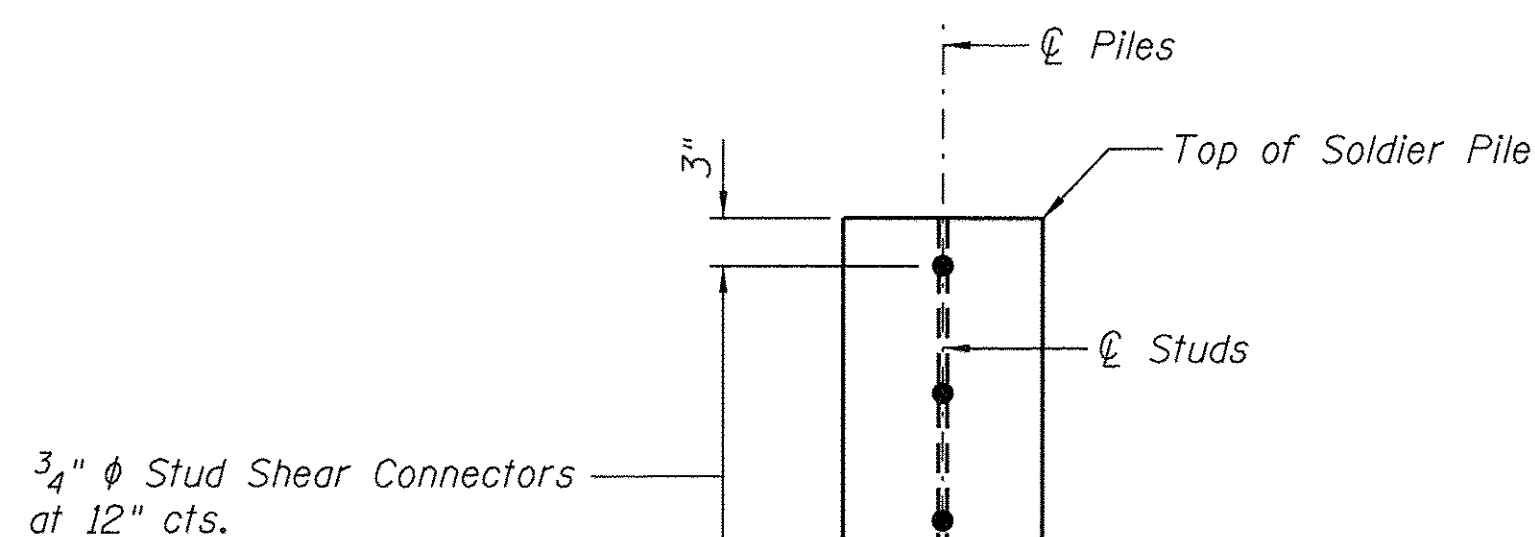
AT SOLDIER PILES

UNDERDRAIN DETAILS

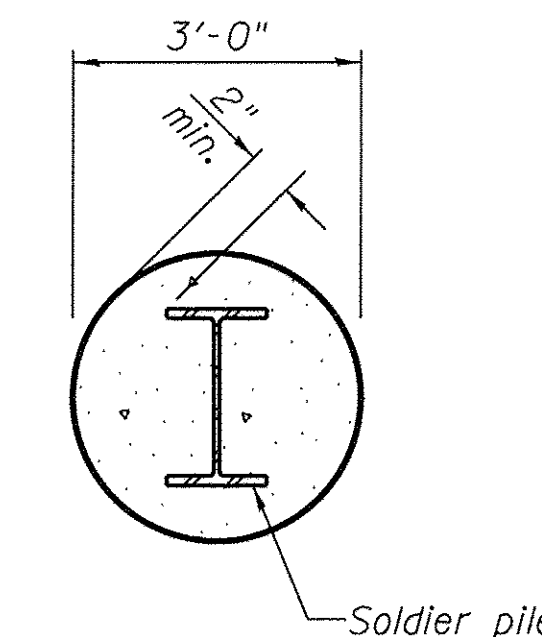
* Included in the cost of Pipe Underdrains for Structures 4".



SECTION THRU DRILLED SOLDIER PILE WALL



DETAIL OF SHEAR STUD PLACEMENT



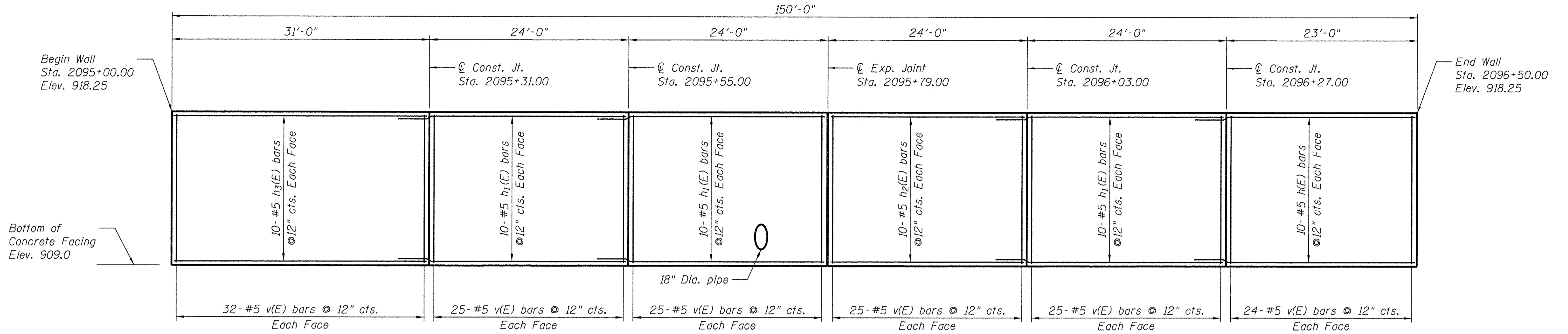
SOLDIER PILE ENCASEMENT

Notes:
For Soldier Pile Layout, See Sheet 2 of 6.
For Concrete Facing Details see Sheet 4 of 6.
C.I.P. denotes Cast in Place.
F.F. denotes Front Face.

FILE NAME = W:\B94-010_KDOT_LMP_Sections\BVCADD SHEETS\structure\Section BIVRet Wall RW-01 - Steep Hollow Ret\SHI_03 Soldier Pile Detail.dgn

USER NAME =	DESIGNED - NS	REVISED
PLOT SCALE =	CHECKED - JJI	REVISED
PLOT DATE =	DRAWN - GM	REVISED
	CHECKED - JJI	REVISED

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	Kane	477	326
CONTRACT NO. 61C41			ILLINOIS FED. AID PROJECT	



ELEVATION

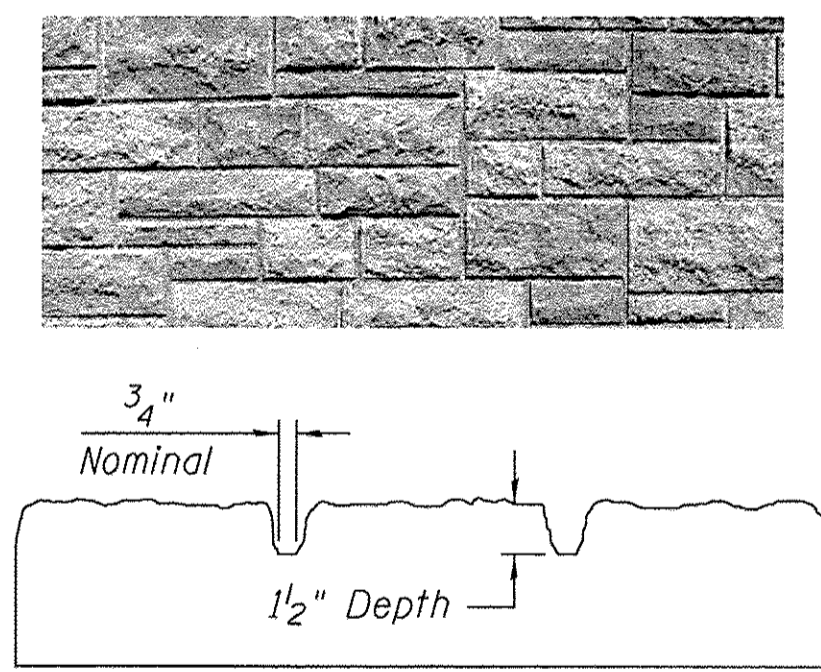
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	20	#5	26'-7"	————
h ₁ (E)	60	#5	27'-7"	————
h ₂ (E)	20	#5	23'-8"	————
h ₃ (E)	20	#5	30'-8"	————
v(E)	312	#5	9'-0"	————
Concrete Structures		Cu. Yd.	60.2	
Reinforcement Bars, Epoxy Coated		Pound	6,350	
Pipe Underdrains for Structures 4"		Foot	215	
Geocomposite Wall Drain		Sq. Yd.	135	
Form Liner Textured Surface		Sq. Ft.	920	

Notes:

For Typical Sections and Soldier Pile Details, see Sheet 3 of 6. Stations and dimensions are measured along front face of wall.

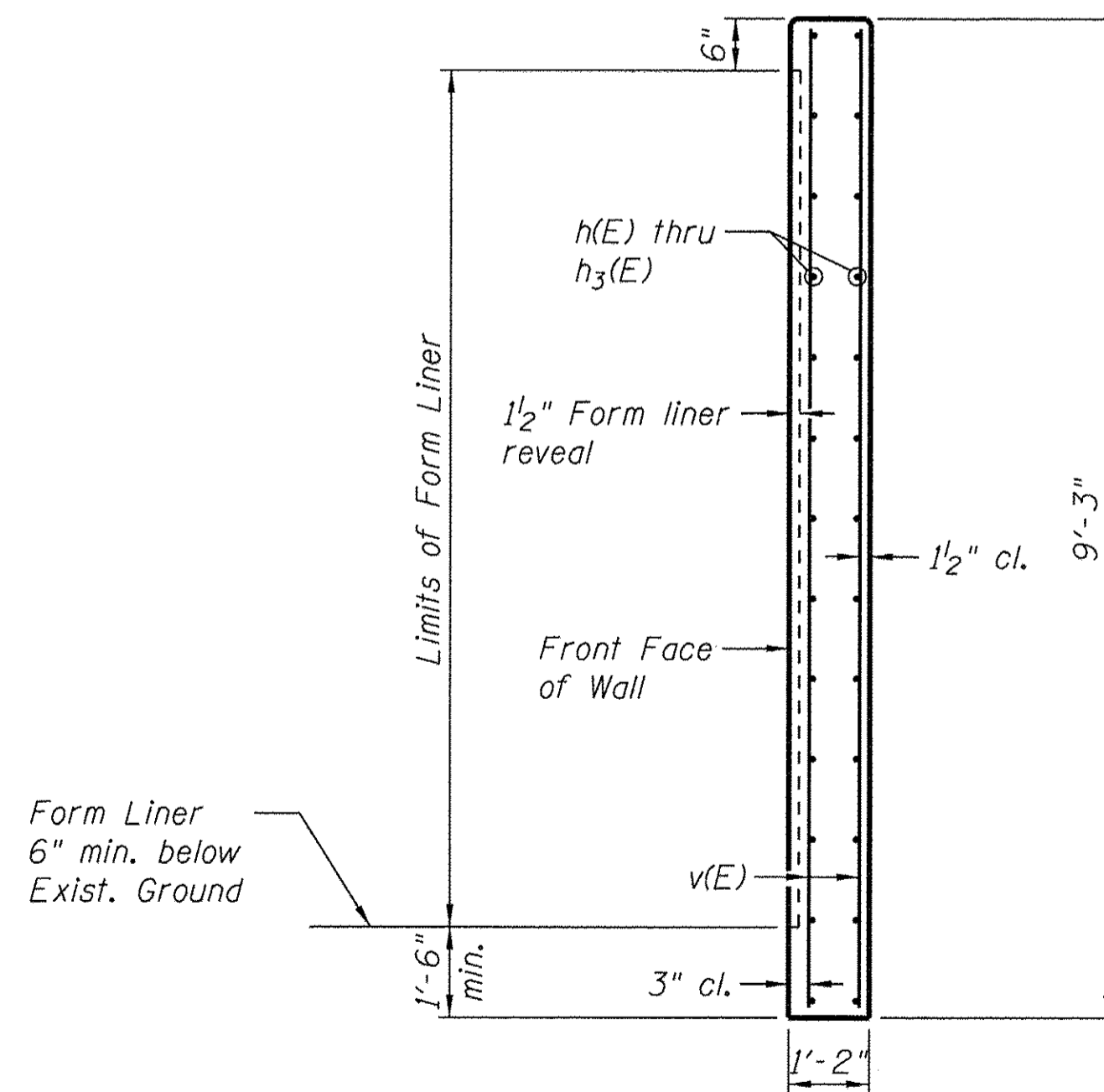
MINIMUM BAR LAP
#5 BAR = 3'-7"



FORM LINER TEXTURED DETAIL

Note:

Form liner textured surface is to be used on retaining wall, as indicated on the plans. Cost of form liner is paid for as "Form Liner Textured Surface". Work shall comply with Section 503 of the Standard Specifications. Provide pattern for Ashlar limestone surface utilizing the following form liner manufacturers as approved by the Engineer: Custom Rock International, pattern #1202 - Tollway Ashlar Spec Formliners, pattern #1523 - RE Ashlar Fitzgerald Formliners, pattern #17000 Florida Ashlar Symons/Daton Superior - Southwest Ashlar Stone



SECTION THRU CONCRETE FACING
(Looking East)

FILE NAME: W:\954-010 KDOT LMP Section B\CADD SHEETS\structure\Section B\RW-01 - Sleepy Hollow Rd\SHI_04 Concrete Facing.dgn



USER NAME =	DESIGNED - NS	REVISED
	CHECKED - JJI	REVISED
PLOT SCALE =	DRAWN - GM	REVISED
PLOT DATE =	CHECKED - JJI	REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CONCRETE FACING DETAILS RETAINING WALL RW-01

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	Kane	477	327
CONTRACT NO. 61C41				

SHEET NO. 4 OF 6 SHEETS

ILLINOIS FED. AID PROJECT

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BORING LOG SX-01
 WEI Job No.: 201-23-01
 Client: **McDonough Associates, Inc.**
 Project: **Bolz Road/Longmeadow Parkway**
 Location: **Kane County, Illinois**

Datum: NGVD
 Elevation: 914.74 ft
 North: 1993450.03 ft
 East: 987251.45 ft
 Station: 2094+67.46
 Offset: 46.16 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	CU (ksf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	CU (ksf)	Moisture Content (%)
913.4	16-inch thick, black and brown SILTY CLAY LOAM --TOPSOIL-- Medium stiff to very stiff, black, brown and gray SILTY CLAY, trace gravel	1	2	3	3.50	26							
	--FILL--	2	2	1	0.66	20							
906.5	Loose, brown SAND	3	0	2	NP	16							
906.7	Stiff to very stiff, brown and gray SILTY LOAM to SILTY CLAY LOAM	4	2	6	1.64	15							
		5	5	7	2.87	13							
	--L _c (%)=20, P _c (%)=12-- --%Gravel=9.2-- --%Sand=26.7--15-- --%Silt=52.5-- --%Clay=11.5-- Thin sand lense at 14.75 bgs	6	6	9	2.05	11							
		7	7	7	2.21	11							
894.7	Boring terminated at 20.00 ft	8	4	7	1.89	12							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-09-2010	Complete Drilling	11-09-2010	While Drilling	▽	6.00 ft	
Drilling Contractor	WTS	Drill Rig	TMR - B-57	At Completion of Drilling	▽	16.00 ft	
Driller	R&J	Logger	C. Davis	Time After Drilling	NA		
Checked by	A. Kurnia	Depth to Water	▽	NA			

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BORING LOG SX-02
 WEI Job No.: 201-23-01
 Client: **McDonough Associates, Inc.**
 Project: **Bolz Road/Longmeadow Parkway**
 Location: **Kane County, Illinois**

Datum: NGVD
 Elevation: 912.48 ft
 North: 1993442.25 ft
 East: 987320.19 ft
 Station: 2095+36.45
 Offset: 41.10 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	CU (ksf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	CU (ksf)	Moisture Content (%)
887.0	18-inch thick TOPSOIL --FILL--	1	2	4	2.00	43							
	Stiff to very stiff, black organic SILTY CLAY	2	2	3	1.25	36							
907.5	Soft, gray SILTY CLAY with trace SAND	3	0	0	0.49	16							
	--L _c (%)=25, P _c (%)=13--	4	0	1	0.49	16							
902.0	Stiff to very stiff, gray SILTY LOAM to SILTY CLAY LOAM 0.25-inch gray sand seam at 12.75 feet	5	0	3	1.07	14							
		6	1	5	2.62	13							
		7	1	4	2.13	12							
		8	3	4	2.38	12							
892.0	Medium dense, brown SANDY LOAM	9	3	7	NP	8							
		10	4	4	NP	10							
887.0	Medium dense to dense, gray SANDY GRAVEL	11	3	11	NP	7							
		12	8	12	NP	16							
		13	8	9	NP	16							
876.0	Medium dense, gray SAND	14	7	10	2.38	10							
873.5	Very stiff, gray SILTY CLAY	15	4	4	NP	10							
872.5	Medium dense, brown SANDY LOAM	16	2	4	NP	10							
	Boring terminated at 40.00 ft	17	4	4	NP	10							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-08-2010	Complete Drilling	11-09-2010	While Drilling	▽	25.50 ft	
Drilling Contractor	WTS	Drill Rig	TMR - B-57	At Completion of Drilling	▽	7.00 ft	
Driller	R&J	Logger	N. Boddy	Time After Drilling	NA		
Checked by	A. Kurnia	Depth to Water	▽	NA			

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BORING LOG SX-03
 WEI Job No.: 201-23-01
 Client: **McDonough Associates, Inc.**
 Project: **Bolz Road/Longmeadow Parkway**
 Location: **Kane County, Illinois**

Datum: NGVD
 Elevation: 912.04 ft
 North: 1993443.25 ft
 East: 987385.51 ft
 Station: 2096+01.68
 Offset: 44.67 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	CU (ksf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	CU (ksf)	Moisture Content (%)
910.7	16-inch thick TOPSOIL --TOPSOIL-- Medium stiff to stiff, black and brown organic SILTY CLAY	1	2	3	1.50	20							
		2	2	3	0.82	43							
906.5	Soft to medium stiff, black PEAT	3	0	1	0.74	135							
		4	0	0	0.41	237							
901.5	Soft, gray CLAY	5	0	0	0.33	72							
		6	0	0	0.41	70							
897.3	Medium stiff to hard, gray SILTY LOAM to SILTY CLAY LOAM	7	0	1	0.74	18							
	--%Gravel=5.3-- --%Sand=20.2-- --%Silt=64.8-- --%Clay=9.7--	8	1	3	1.23	19							
	--L _c (%)=18, P _c (%)=12--	9	2	4	1.72	10							
		10	4	8	4.10	11							
888.5	Medium dense to dense, gray SANDY LOAM with trace gravel	11	7	16	NP	10							
		12	6	10	NP	7							
		13	5	7	NP	9							
874.5	Medium dense, brown SAND	14	4	5	NP	9							
	Boring terminated at 40.00 ft	15	4	5	NP	9							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-08-2010	Complete Drilling	11-08-2010	While Drilling	▽	37.50 ft	
Drilling Contractor	WTS	Drill Rig	TMR - B-57	At Completion of Drilling	▽	DRY	
Driller	R&J	Logger	N. Boddy	Time After Drilling	NA		
Checked by	A. Kurnia	Depth to Water	▽	NA			

FILE NAME = W:\94-010_KDOT_LMP_Section_B\CADD_SHEETS\Structural\Section_B\1-Rev_Wall_RW-01_Sloppy_Hollow_Ro_SHT_05_Boring_Logs_Ldgn



USER NAME =	DESIGNED - NS	REVISED
PLOT SCALE =	CHECKED - JJI	REVISED
PLOT DATE =	DRAWN - GM	REVISED
	CHECKED - JJI	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS I
 RETAINING WALL RW-01
 SHEET NO. 5 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	Kane	477	328
CONTRACT NO. 61C41			ILLINOIS FED. AID PROJECT	

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BORING LOG SX-04
 WEI Job No.: 201-23-01
 Client: **McDonough Associates, Inc.**
 Project: **Bolz Road/Longmeadow Parkway**
 Location: **Kane County, Illinois**

Datum: NGVD
 Elevation: 915.59 ft
 North: 1993441.22 ft
 East: 987451.33 ft
 Station: 2096+67.53
 Offset: 45.23 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
914.4	14-inch thick, black SILTY CLAY LOAM --TOPSOIL--	0	1	5	NP	8							
912.6	Medium dense, brown SANDY LOAM	1	2	3	S	1.31							
	Stiff, black, brown and gray CLAY LOAM --FILL-- --%Gravel=0.2-- --%Sand=44.0-- --%Silt=31.1-- --%Clay=24.6--	2	3	2	B	1.64							
907.8	Stiff to hard, brown and gray SILTY LOAM to SILTY CLAY LOAM, trace gravel	4	4	4	P	4.00							
		5	5	4	B	3.69							
		6	6	5	B	2.46							
		7	7	3	B	1.72							
897.8	Loose, brown GRAVELLY SAND	8	8	3	NP	13							
895.8	Boring terminated at 20.00 ft	20											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-08-2010	Complete Drilling	11-08-2010	White Drilling	18.00 ft		
Drilling Contractor	WTS	Drill Rig	TMR - B-57	At Completion of Drilling	7.00 ft		
Driller	R&J	Logger	N. Boddy	Time After Drilling	NA		
Checked by	A. Kurnia	Depth to Water	NA				
Drilling Method	3.25-inch HSA	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

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BORING LOG R-033
 WEI Job No.: 201-23-01
 Client: **McDonough Associates**
 Project: **Bolz Road**
 Location: **Kane County, Illinois**

Datum: NGVD
 Elevation: 914.97 ft
 North: 1993426.60 ft
 East: 987383.31 ft
 Station: 2096+00.13
 Offset: 27.94 L

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
914.0	Dark brown SILTY LOAM --TOPSOIL--	0	1	3	NP	13							
	Loose to medium dense, black SILTY LOAM	1	2	7	NP	31							
		2	3	3	NP	37							
908.5	Very soft, black SILTY CLAY	4	4	2	P	0.20							
906.5	Dark brown PEAT	5	5	2	NP	239							
894.0	Very soft to medium stiff, gray SILTY CLAY LOAM	6	6	1	P	0.50							
		7	7	1	P	0.00							
		8	8	1	P	0.00							
		9	9	1	P	0.00							
897.0	Very soft to stiff, gray SILTY CLAY LOAM	10	10	2	P	1.25							
895.0	Boring terminated at 20.00 ft	20											

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	06-06-2005	Complete Drilling	06-06-2005	White Drilling	DRY		
Drilling Contractor	PRECON DRILLING	Drill Rig	CME 55 TMR	At Completion of Drilling	DRY		
Driller	K	Logger	J. Kosloski	Time After Drilling	NA		
Checked by	B. Fugiel	Depth to Water	NA				
Drilling Method	3.25-inch HSA	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

FILE NAME = W:\954-010_KDOT_LMP_Section_B\CADD_SHEETS\Structural\Section_B\1\Rev_01 - Sleepy Hollow Rd\SHR_06 Boring Logs 2.dgn



USER NAME =
 DESIGNED - NS
 CHECKED - JJI
 PLOT SCALE =
 DRAWN - GM
 PLOT DATE =
 CHECKED - JJI

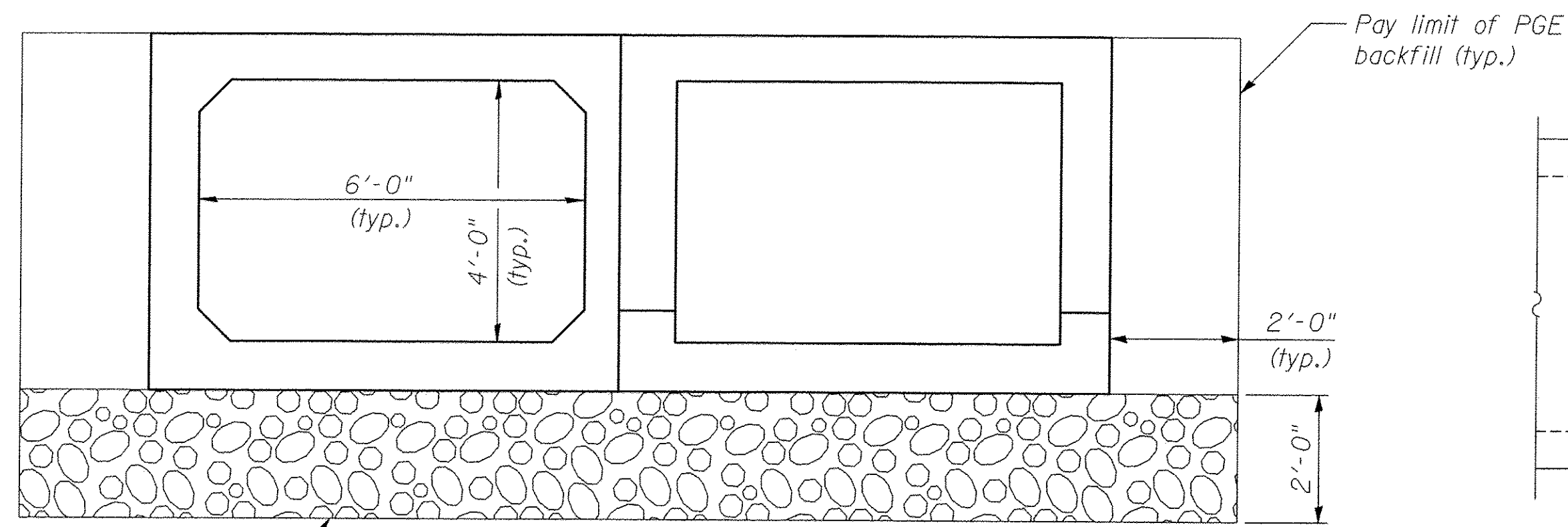
REVISOR
 REVISED
 REVISOR
 REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS II
 RETAINING WALL RW-01

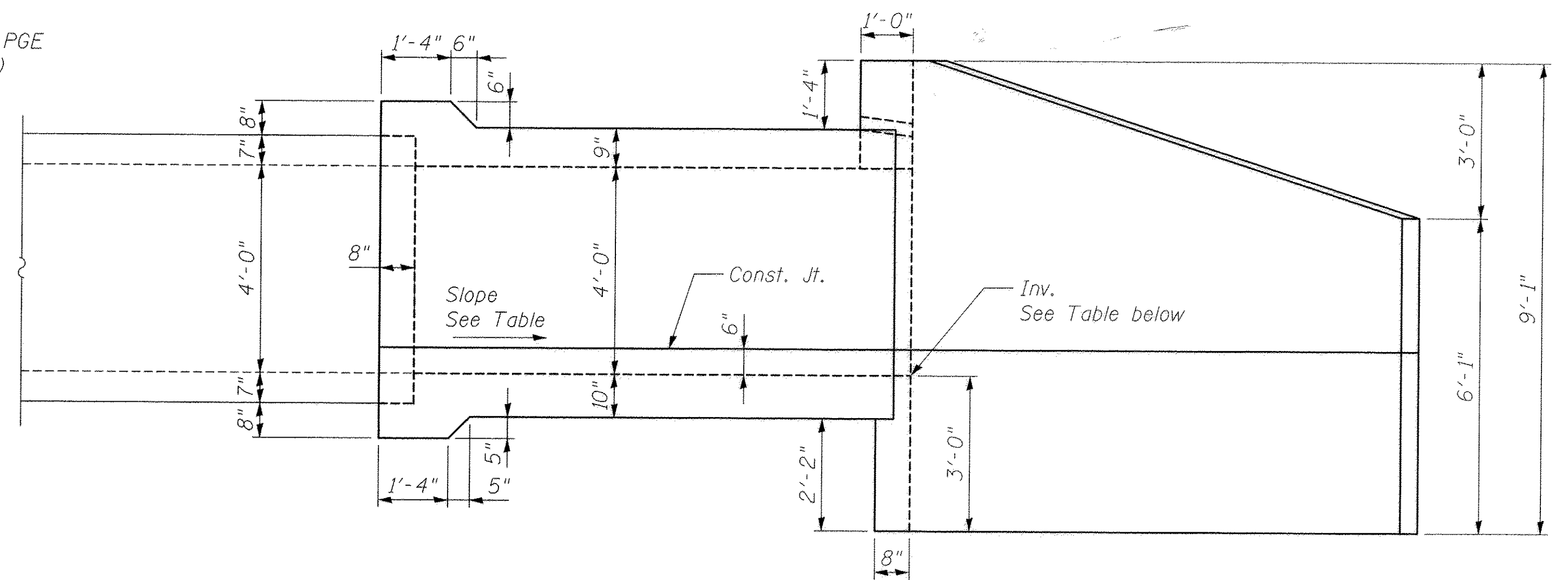
SHEET NO. 6 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	Kane	477	329
CONTRACT NO. 61C41			ILLINOIS FED. AID PROJECT	



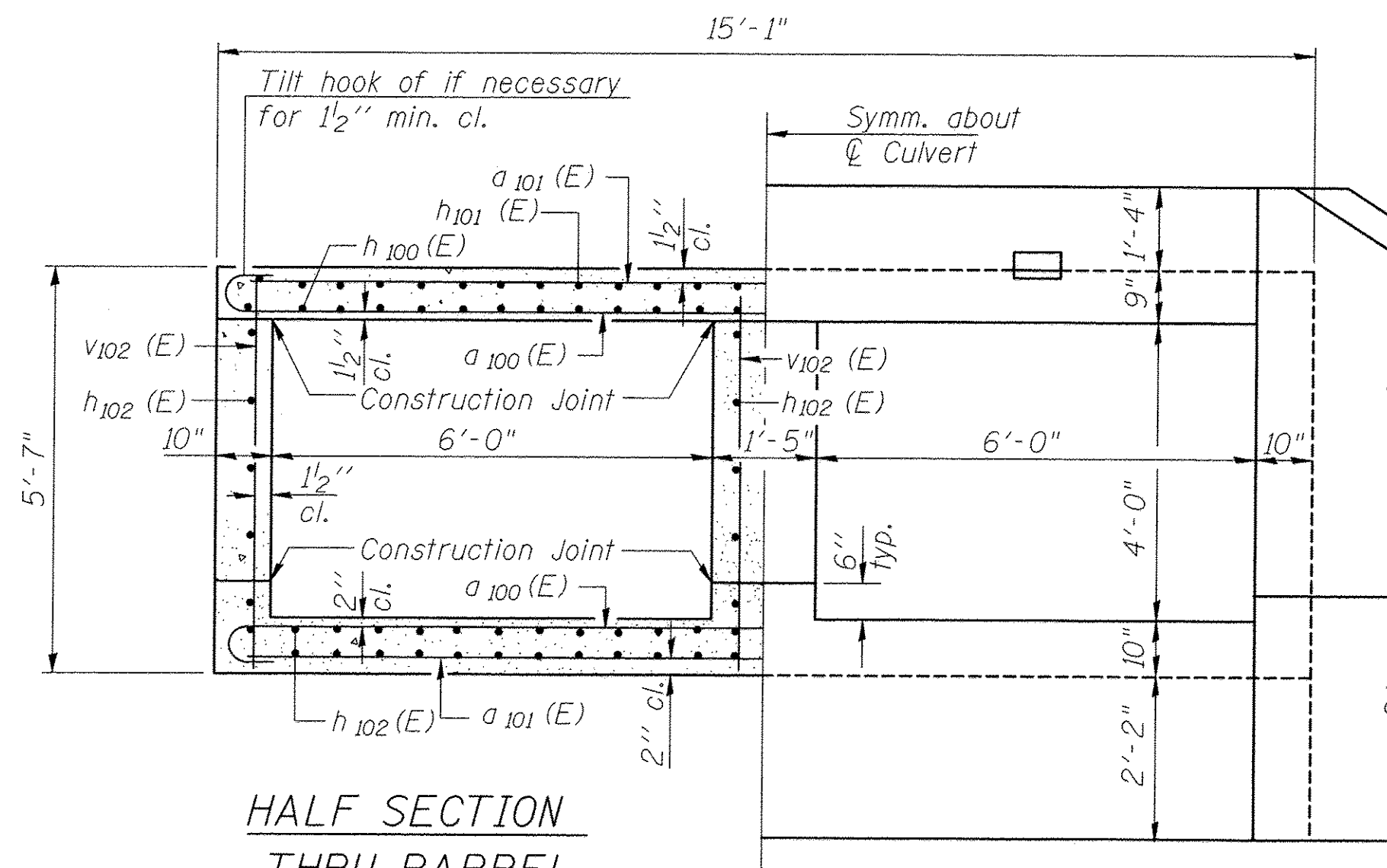
Removal and Disposal of Unsuitable Material for Structures under culvert barrel for length of culvert. Replace with Aggregate Subgrade Improvement.

UNDERCUT & BACKFILL DETAIL



C.I.P. END SECTION ELEVATION

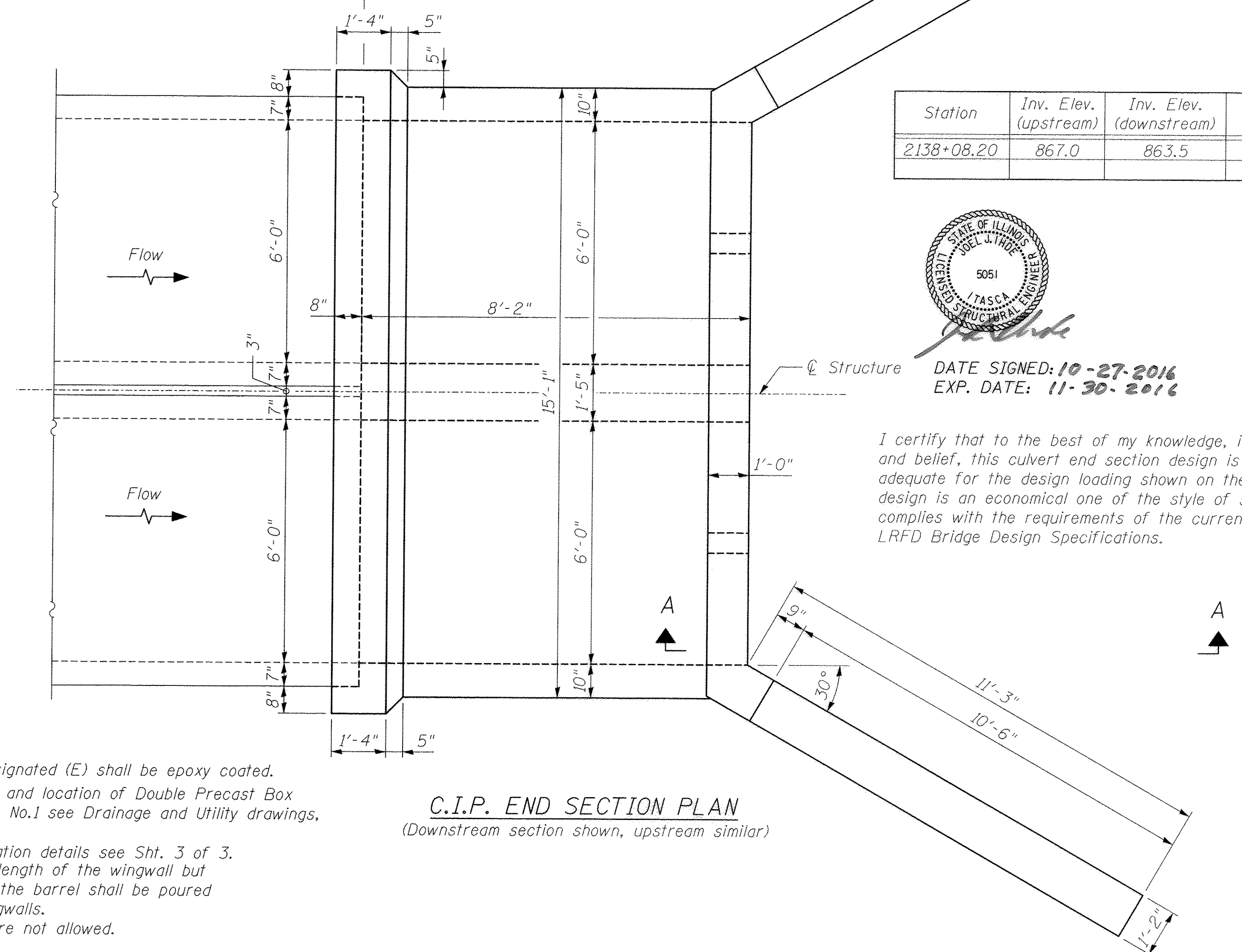
(Downstream section shown, upstream similar)



HALF SECTION THRU BARREL

HALF END ELEVATION

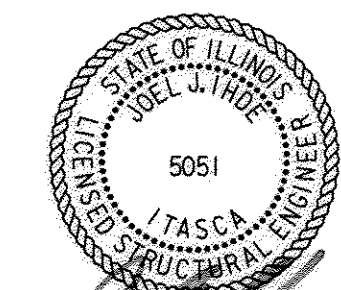
*** Double Precast Box Culvert 6'x4' C.I.P. End Section No.1**



C.I.P. END SECTION PLAN

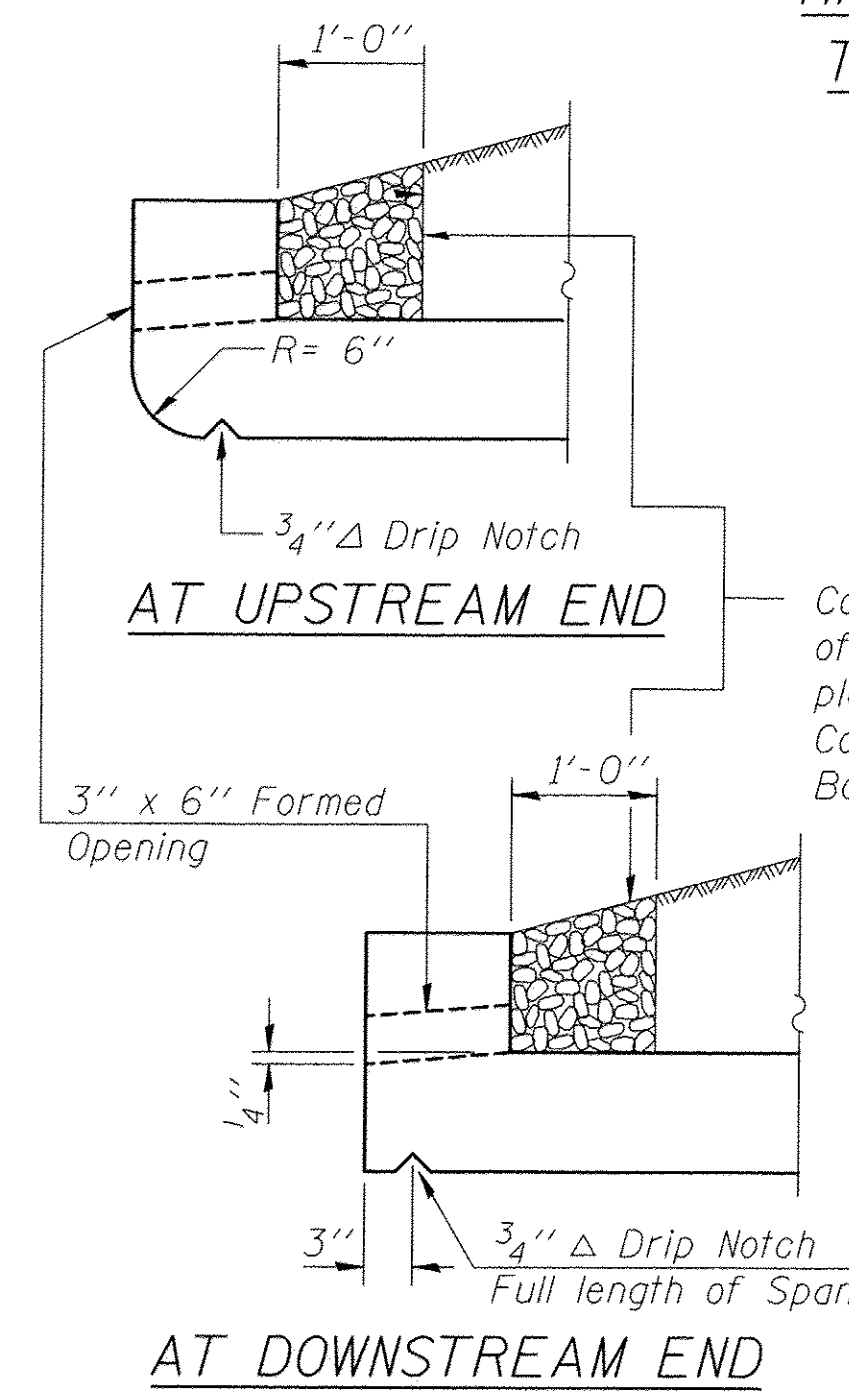
(Downstream section shown, upstream similar)

Station	Inv. Elev. (upstream)	Inv. Elev. (downstream)	Slope
2138+08.20	867.0	863.5	1.7%



DATE SIGNED: 10-27-2016
EXP. DATE: 11-30-2016

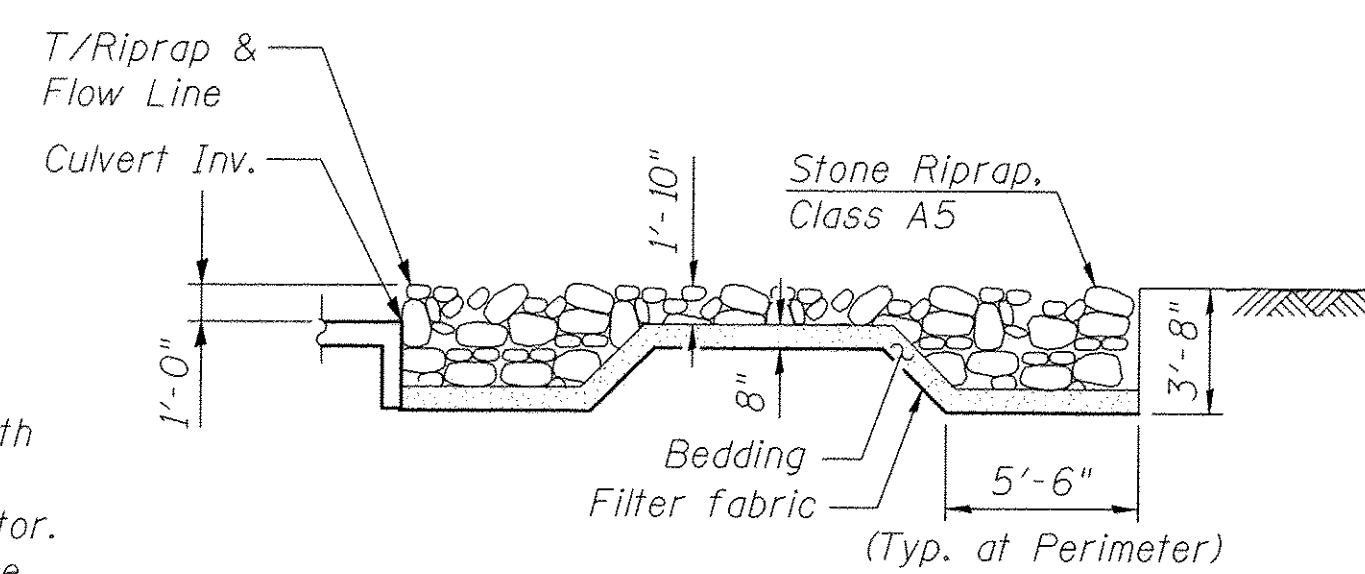
I certify that to the best of my knowledge, information and belief, this culvert end section design is structurally adequate for the design loading shown on the plans. The design is an economical one of the style of structure and complies with the requirements of the current AASHTO LRFD Bridge Design Specifications.



AT UPSTREAM END

AT DOWNSTREAM END

DRAIN DETAIL



SECTION A-A

See Drainage Plans for riprap layout and payment.

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2016 Interims

GENERAL NOTES

- Reinforcement bars designated (E) shall be epoxy coated.
- * For precast box details and location of Double Precast Box Culverts and End Sections No.1 see Drainage and Utility drawings, Sht. 222 of 477.
- For precast box fabrication details see Sht. 3 of 3.
- A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
- Precast End Sections are not allowed.

FILE NAME = WAB94-010 KDOT LMP Section BYCADD SHEETS\Structural\Section B\PreCast Culverts\Sh_01_End Section_Nol.dgn



USER NAME =	DESIGNED - NS	REVISED
PLOT SCALE =	CHECKED - JJI	REVISED
PLOT DATE =	DRAWN - GM	REVISED
	CHECKED - JJI	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

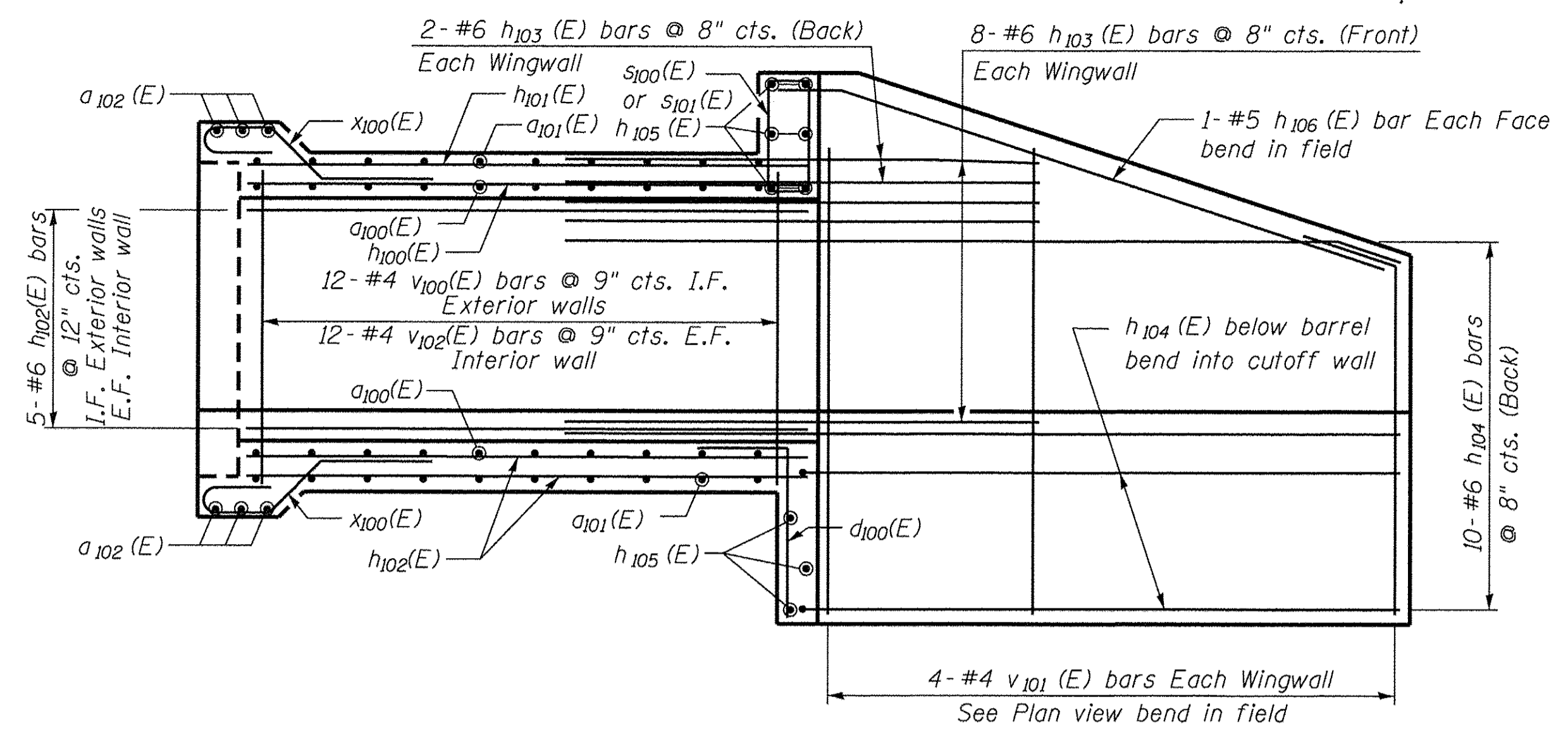
**PRECAST BOX CULVERTS
END SECTION NO. 1**

SHEET NO. 1 OF 3 SHEETS

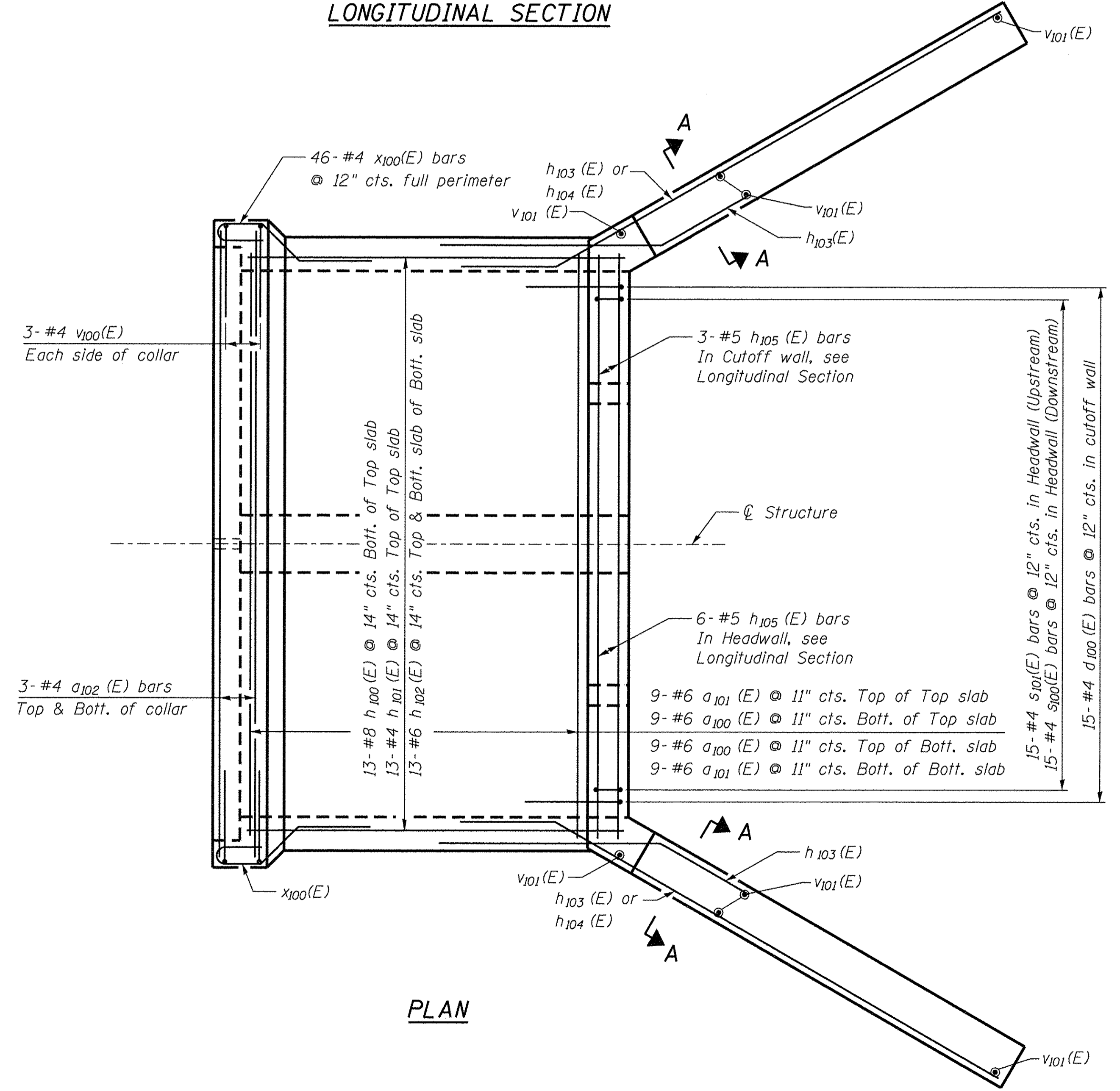
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	Kane	477	330
				CONTRACT NO. 61C41

ILLINOIS FED. AID PROJECT

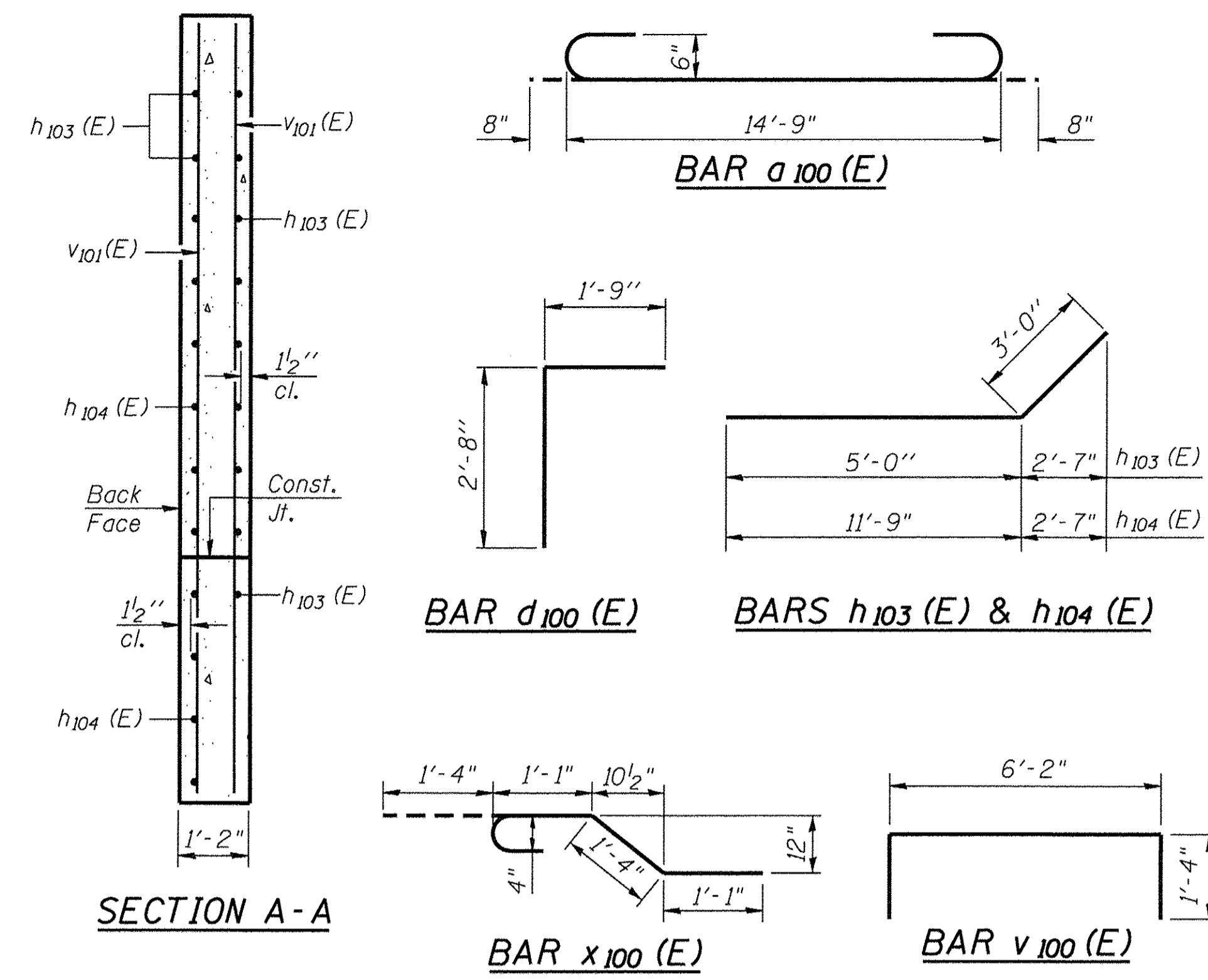
**TWO END SECTIONS
TOTAL BILL OF MATERIAL
Culvert at Sta. 2138+08.20**



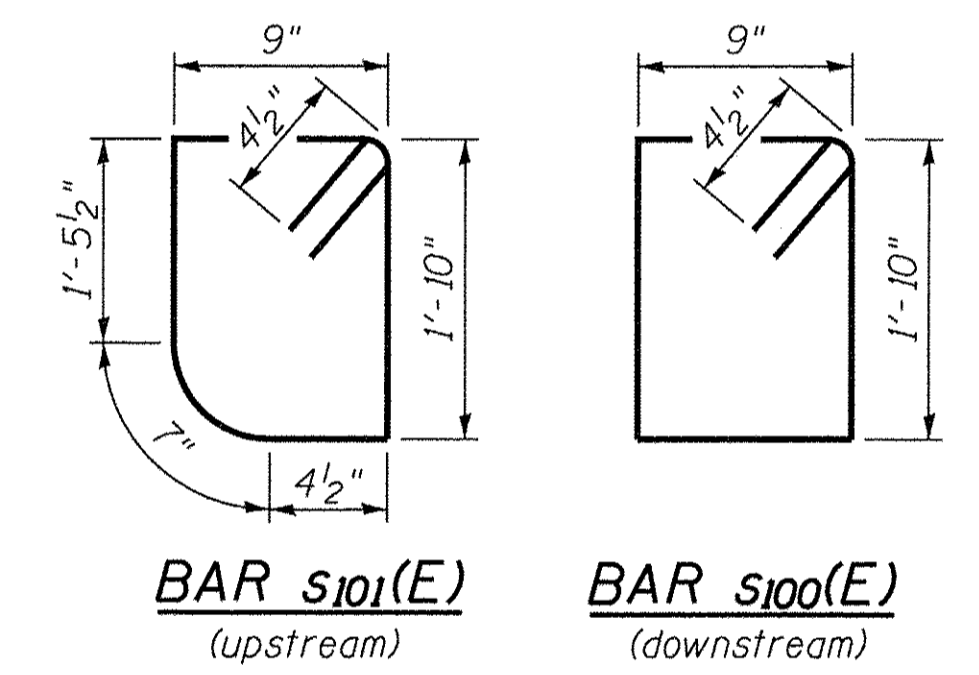
LONGITUDINAL SECTION



PLAN

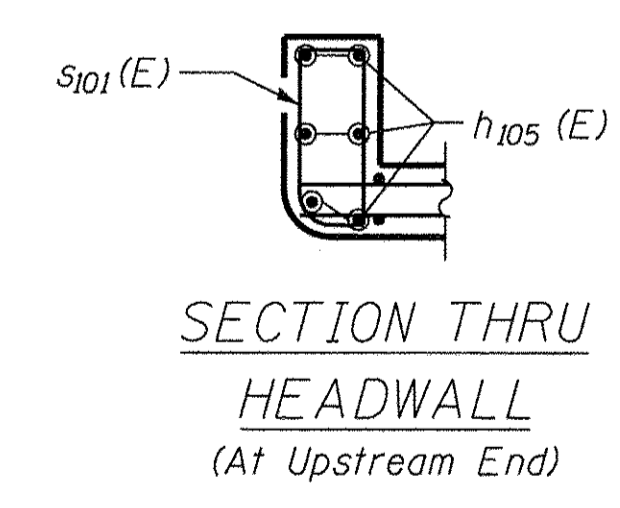


SECTION A-A



**BAR s101 (E)
(upstream)**

**BAR s100 (E)
(downstream)**



**SECTION THRU HEADWALL
(At Upstream End)**

BAR d100 (E)

BARS h103 (E) & h104 (E)

BAR x100 (E)

BAR v100 (E)

Bar	No.	Size	Length	Shape
a100(E)	36	#6	16'-1"	U
a101(E)	36	#6	14'-9"	—
a102(E)	12	#4	15'-7"	—
d100(E)	30	#4	4'-5"	L
h100 (E)	26	#8	7'-10"	—
h101 (E)	26	#4	7'-10"	—
h102 (E)	92	#6	7'-10"	—
h103 (E)	40	#6	8'-0"	—
h104 (E)	40	#6	14'-9"	—
h105 (E)	18	#5	14'-9"	—
h106 (E)	4	#5	11'-6"	—
s100(E)	15	#4	5'-11"	U
s101(E)	15	#4	5'-9"	U
v100(E)	12	#4	8'-10"	L
v101(E)	16	#4	7'-8"	—
v102(E)	96	#4	5'-2"	—
x100(E)	92	#4	4'-10"	U
Porous Granular Embankment	Cu. Yd.		163	
Concrete Box Culverts	Cu. Yd.		44.0	
Reinforcement Bars, Epoxy Coated	Pound		5,740	
Aggregate Subgrade Improvement	Cu. Yd.		220	
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.		220	

FILE NAME = W:\894-010 KDOT LMP Section B\LOAD SHEETS\Structural\Section B\VPrecast Culverts\Sh.02 End Section Not detail.dgn

Bollinger, Lach & Associates, Inc.
ITASCA, ILLINOIS

USER NAME =	DESIGNED - NS	REVISED
PLOT SCALE =	CHECKED - JJI	REVISED
PLOT DATE =	DRAWN - GM	REVISED
	CHECKED - JJI	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRECAST BOX CULVERTS DETAILS
END SECTION NO. 1**

SHEET NO.2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	Kane	477	331
CONTRACT NO. 61C41			ILLINOIS FED. AID PROJECT	

Notes:

The Engineer will inspect the precast units before they are unloaded. Any pieces that are not within ASTM C-1577 and IDOT dimensional tolerances, or out of square by more than 1/4" measured on the diagonal, will be rejected.

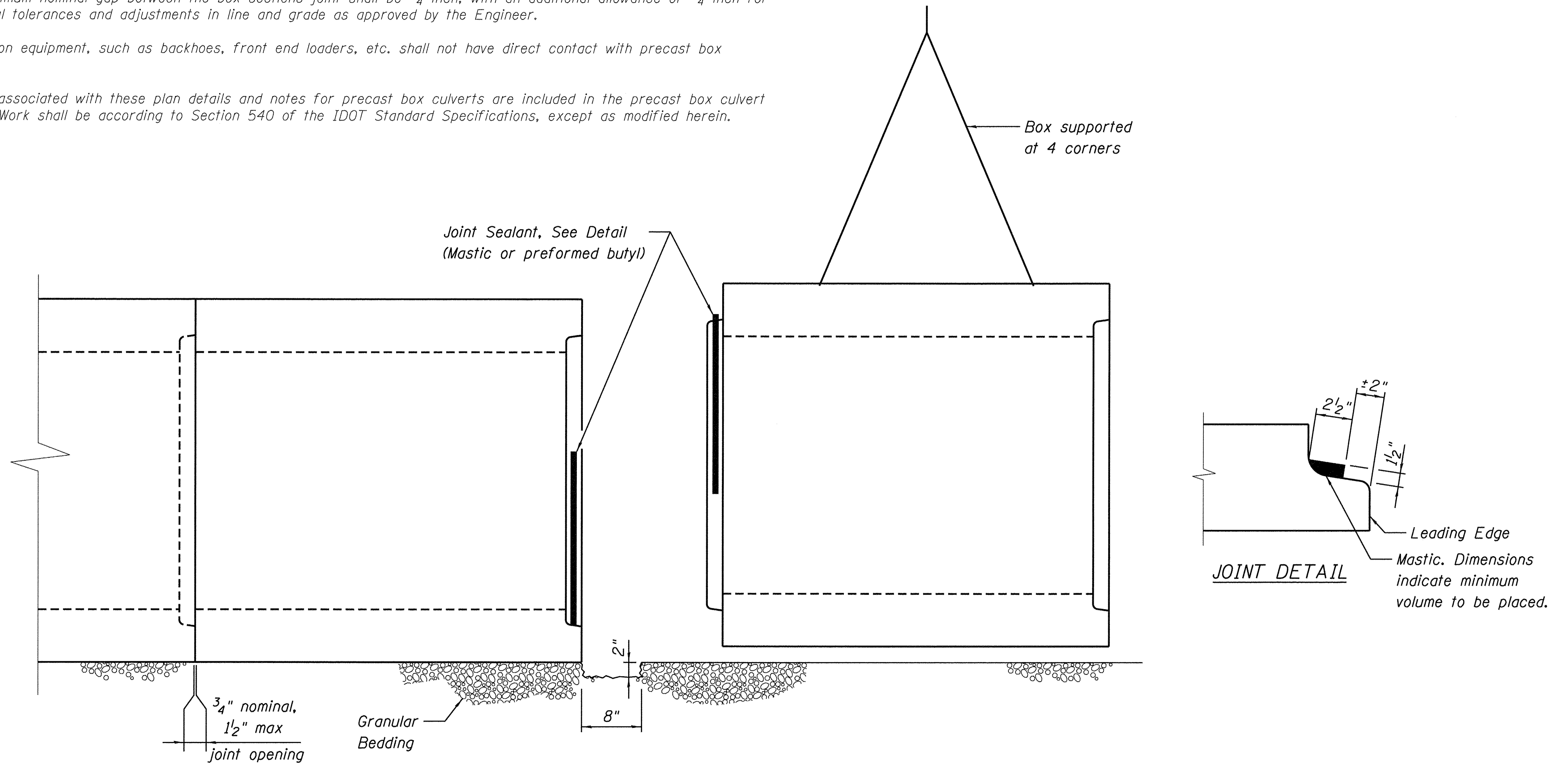
Remove the granular bedding material 8 inches in front of the bell of the previously set box to a depth of 2 inches.

Mastic shall be placed approximately 2 inches from the leading edge of the bell (groove) and spigot (tongue) and into the joint corner. It shall be placed up the bell end and down the spigot end with a 6 inch overlap, as approved by the Engineer. If preformed butyl material is used place it 1 inch from the leading edge. See details.

The entire weight of the box section should be maintained by the crane until the box sections are brought together. Most of the weight should be on the crane hook after the tongue is in the groove and until the sections are brought home. Maximum nominal gap between the box sections joint shall be 3/4 inch, with an additional allowance of 3/4 inch for dimensional tolerances and adjustments in line and grade as approved by the Engineer.

Construction equipment, such as backhoes, front end loaders, etc. shall not have direct contact with precast box sections.

All costs associated with these plan details and notes for precast box culverts are included in the precast box culvert pay item. Work shall be according to Section 540 of the IDOT Standard Specifications, except as modified herein.



FILE NAME = H:\894-010_KDOT_LMP_Section_BVCADD_SHEETS\Structural\Section_BV\Precast_Culverts\Sh.03_Precast_Box_Culvert.dgn



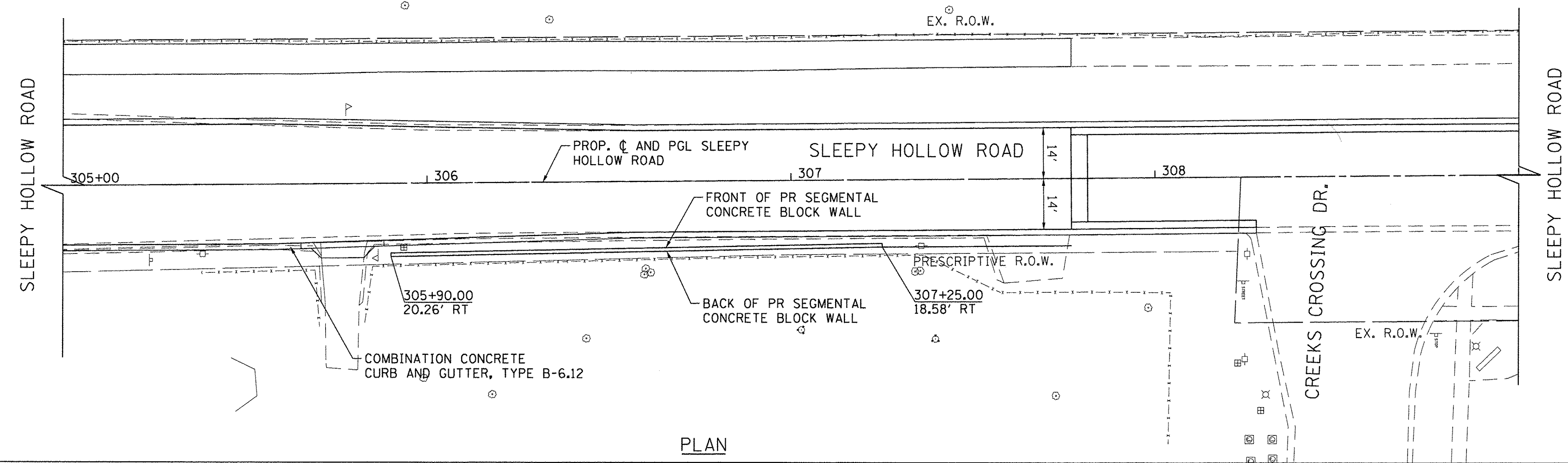
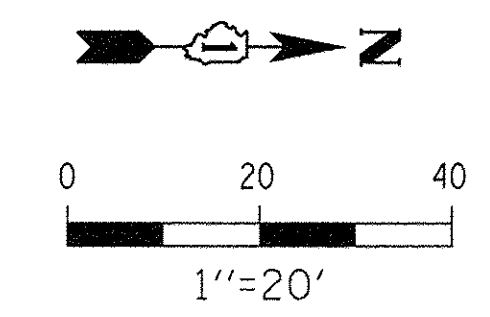
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	CHECKED - NS	REVISED
PLOT SCALE =	DRAWN - GM	REVISED
PLOT DATE =	CHECKED - JJI	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

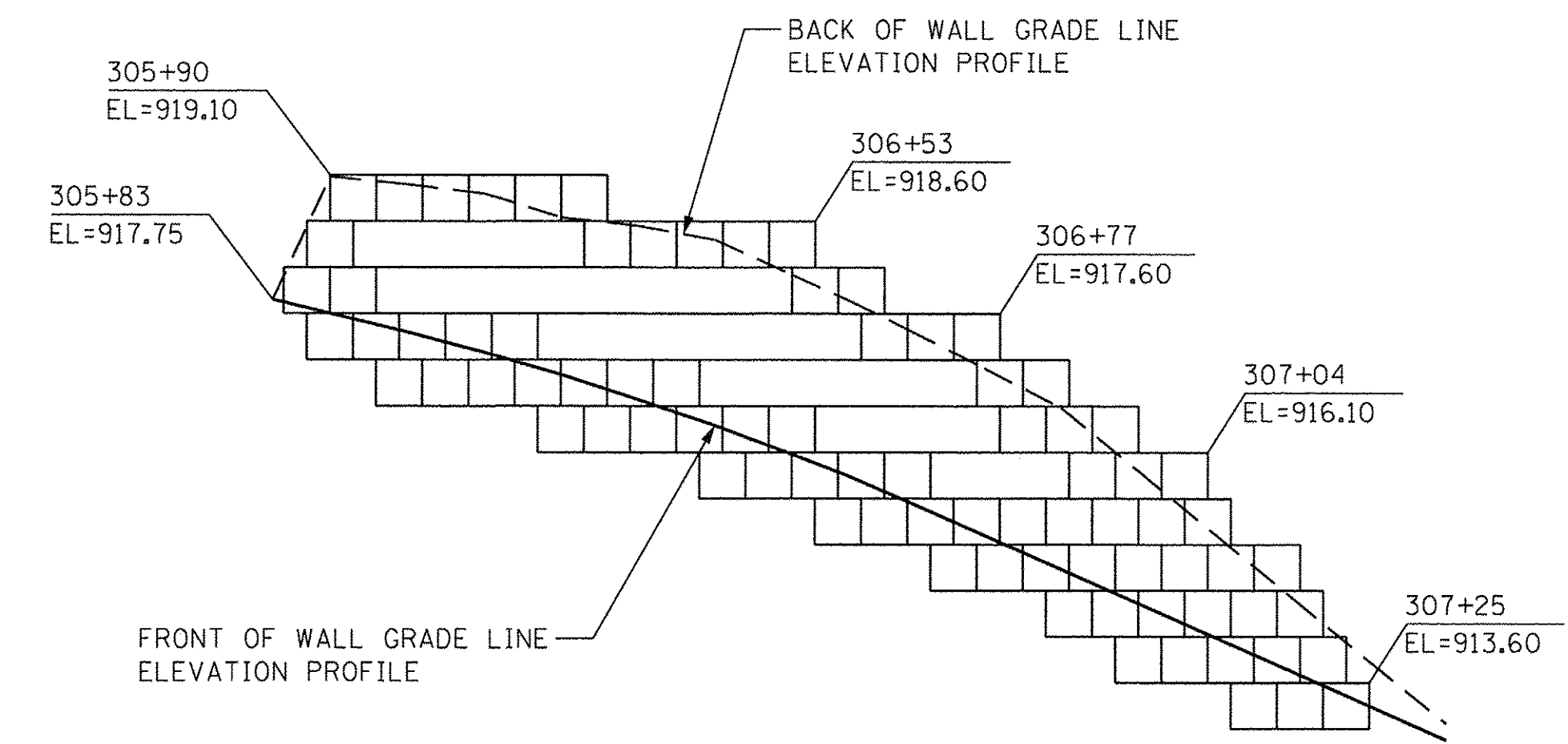
**PRECAST BOX CULVERT
FABRICATION & CONSTRUCTION DETAILS**

SHEET NO.3 OF 3 SHEETS

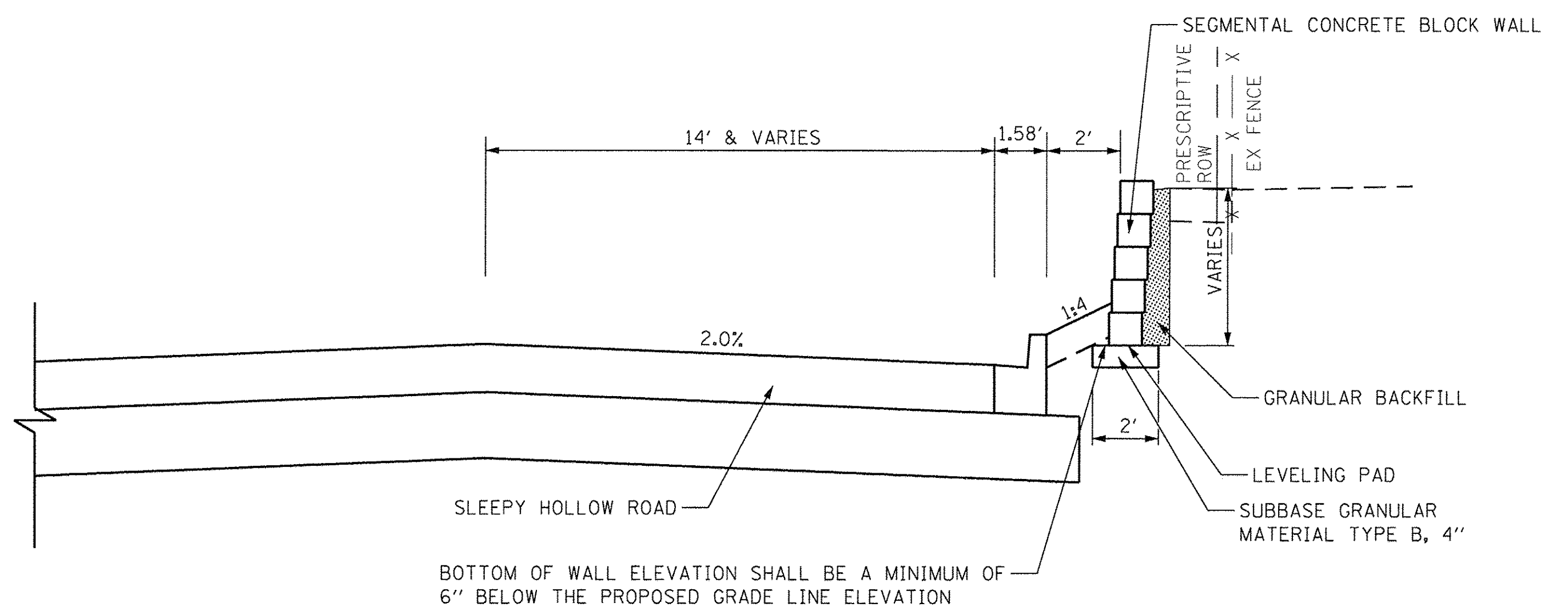
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	Kane	477	332
CONTRACT NO. 61C41			ILLINOIS FED. AID PROJECT	



PLAN



ELEVATION



SECTION

FILE NAME = G:\CH13\01095\Road\Sheets\28131894-SHT-DET-AIL-RET WALL.dgn

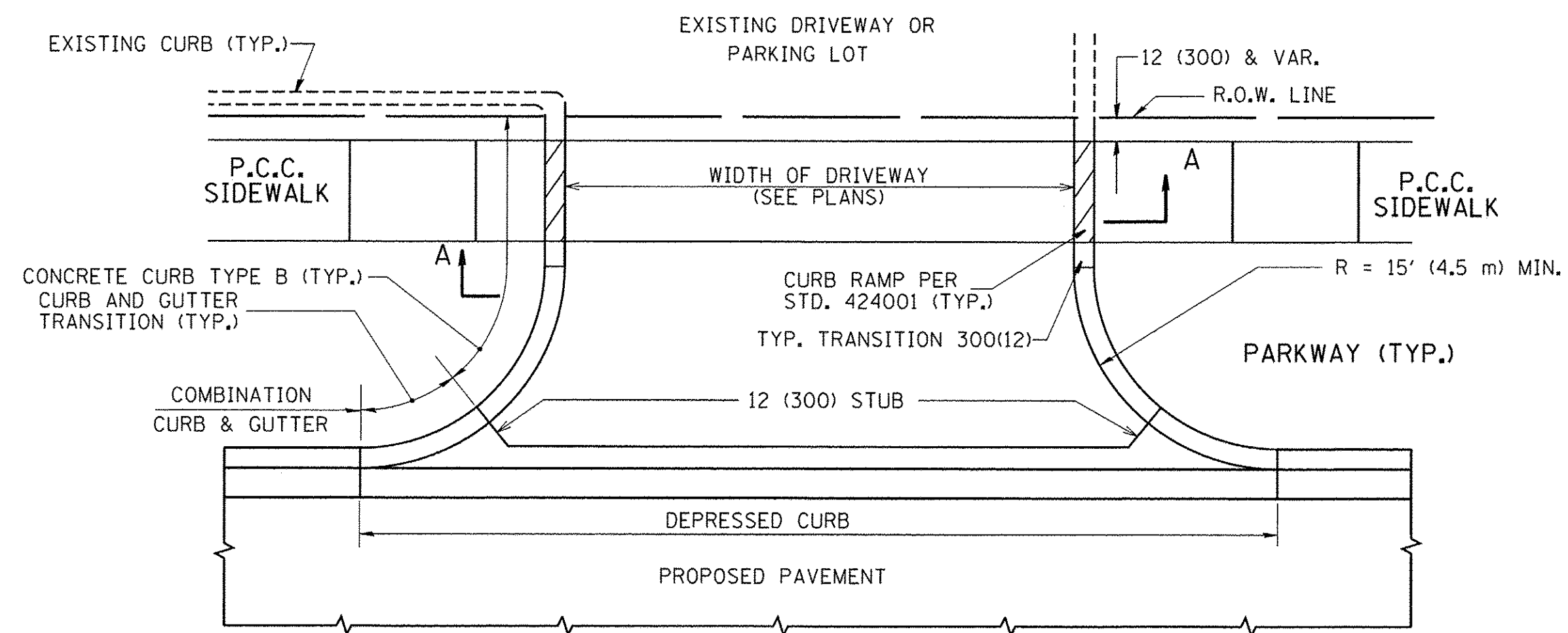


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PLOT DATE = 10/27/2016	CHECKED - MFD	REVISED -
	DATE - 10/28/2016	REVISED -

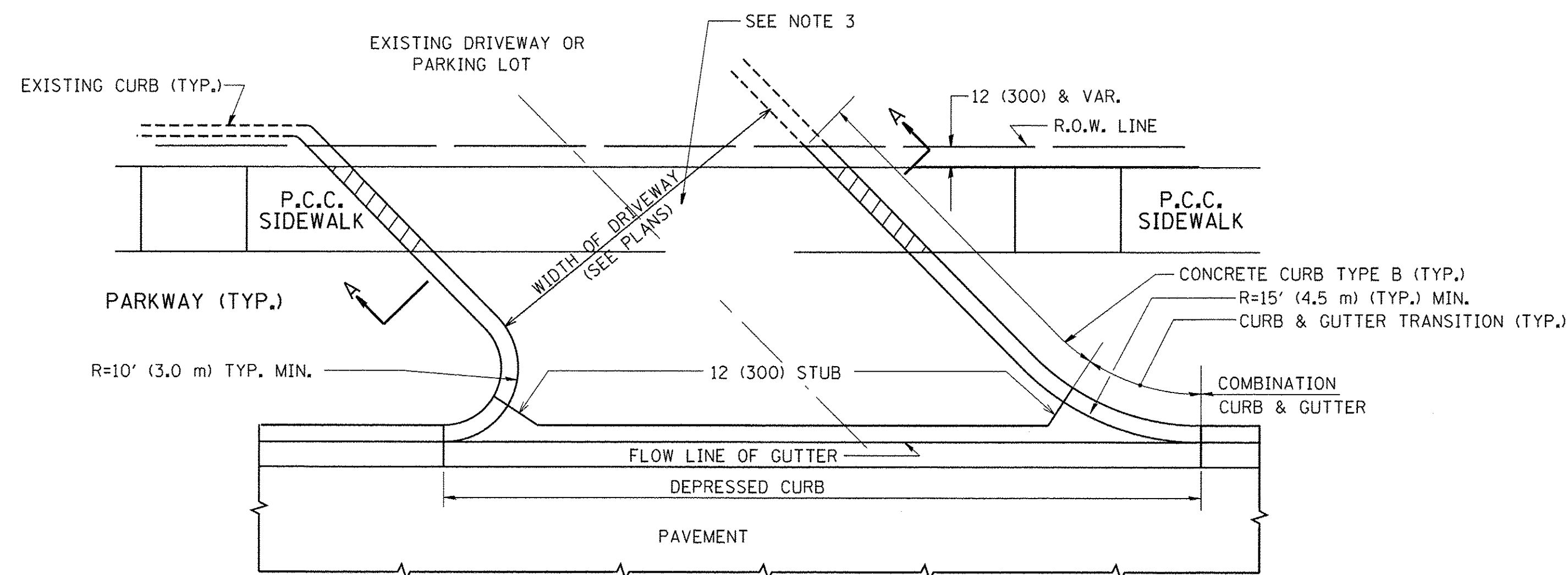
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RETAINING WALL DETAILS SLEEPY HOLLOW ROAD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		361	13-00215-10-PV	KANE	477	334
SCALE: N.T.S.		SHEET 334 OF 477 SHEETS		CONTRACT NO. 61C41		

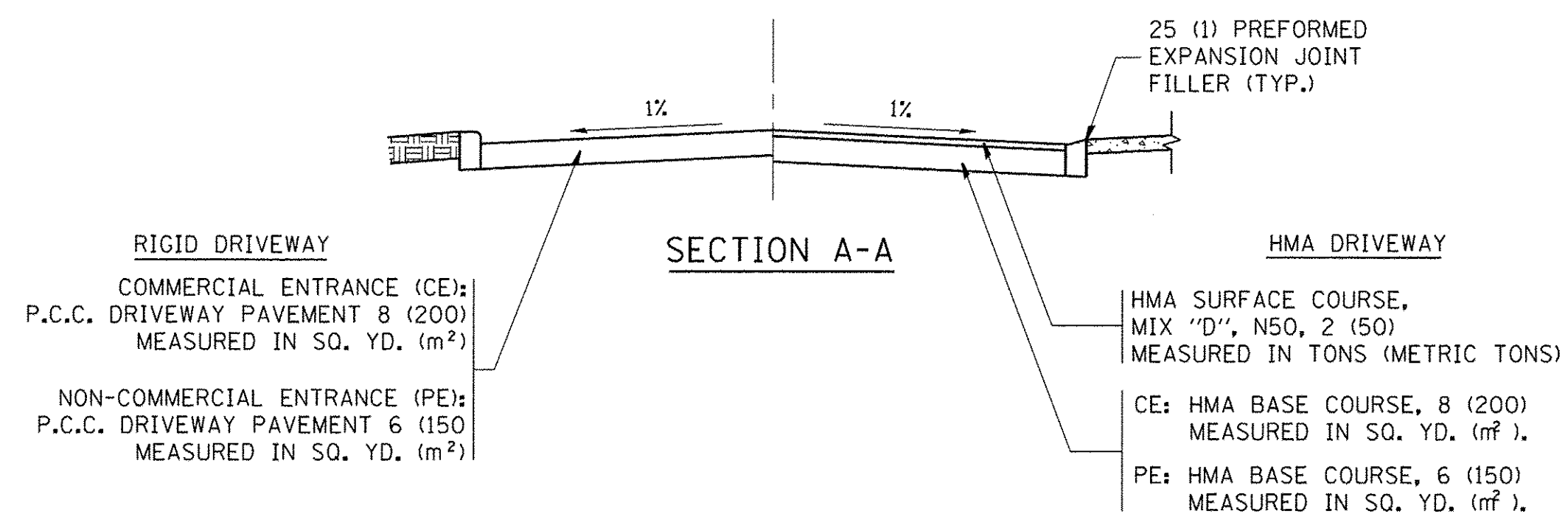
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
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WITH CONCRETE CURB, TYPE B

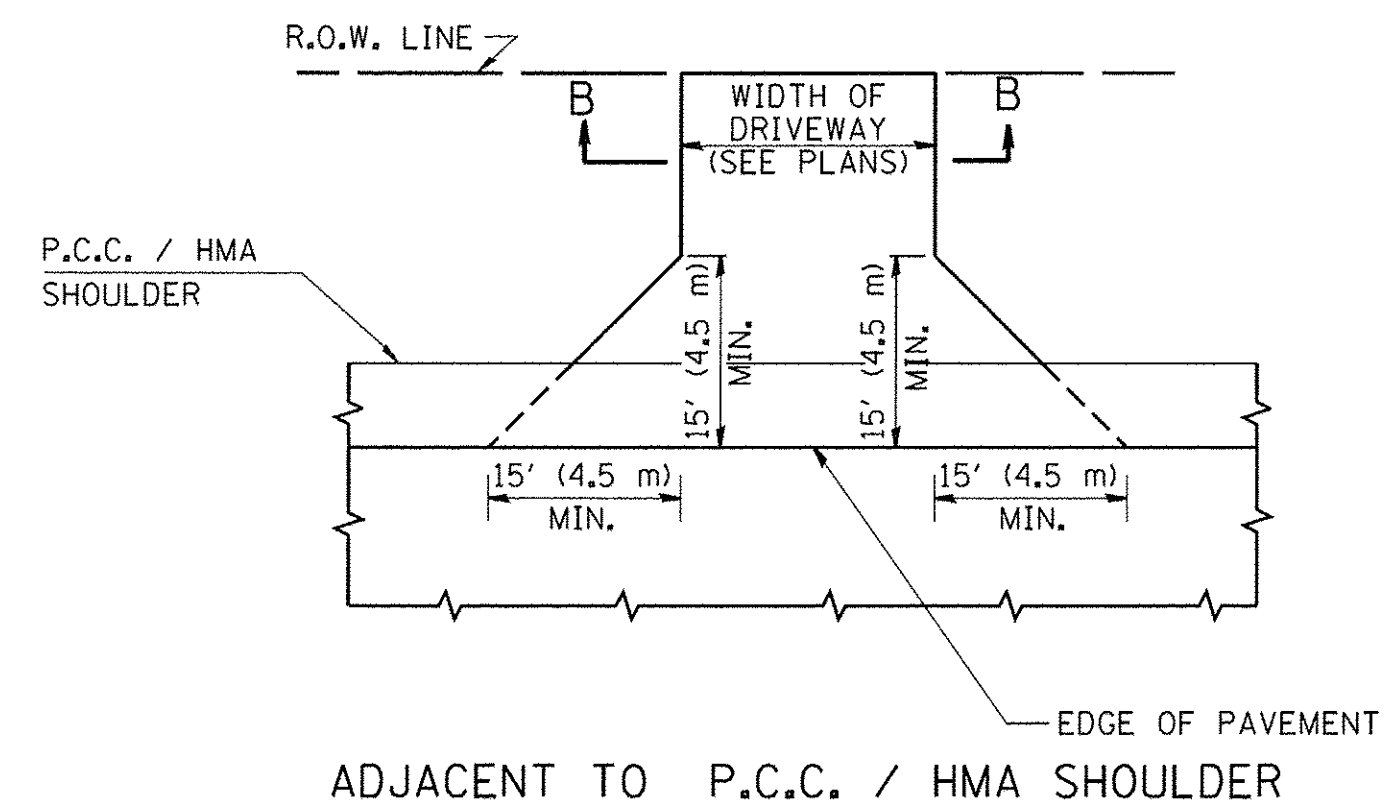


WITH CONCRETE CURB, TYPE B

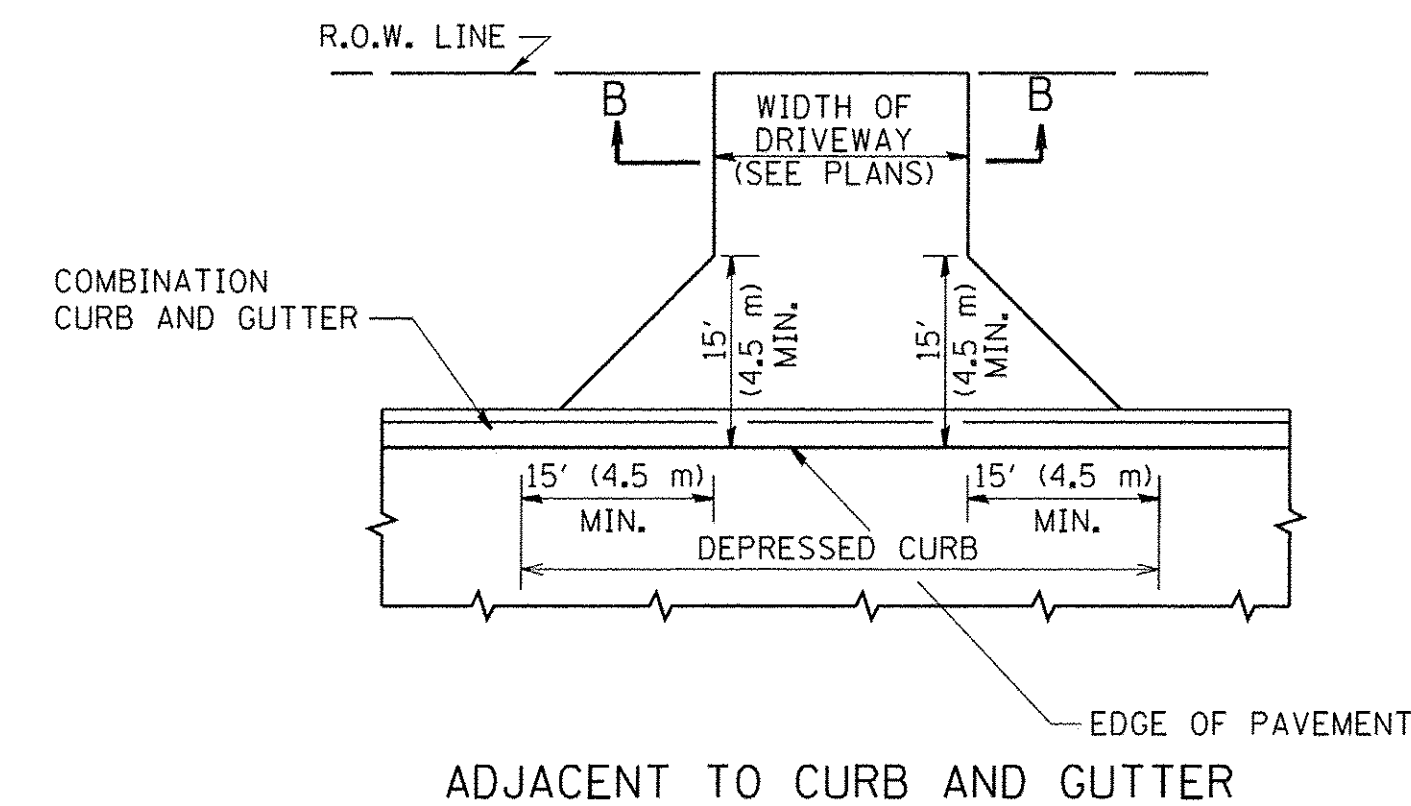


RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 P.C.C. DRIVEWAY PAVEMENT 8 (200)
 MEASURED IN SQ. YD. (m²)
 NON-COMMERCIAL ENTRANCE (PE):
 P.C.C. DRIVEWAY PAVEMENT 6 (150)
 MEASURED IN SQ. YD. (m²)

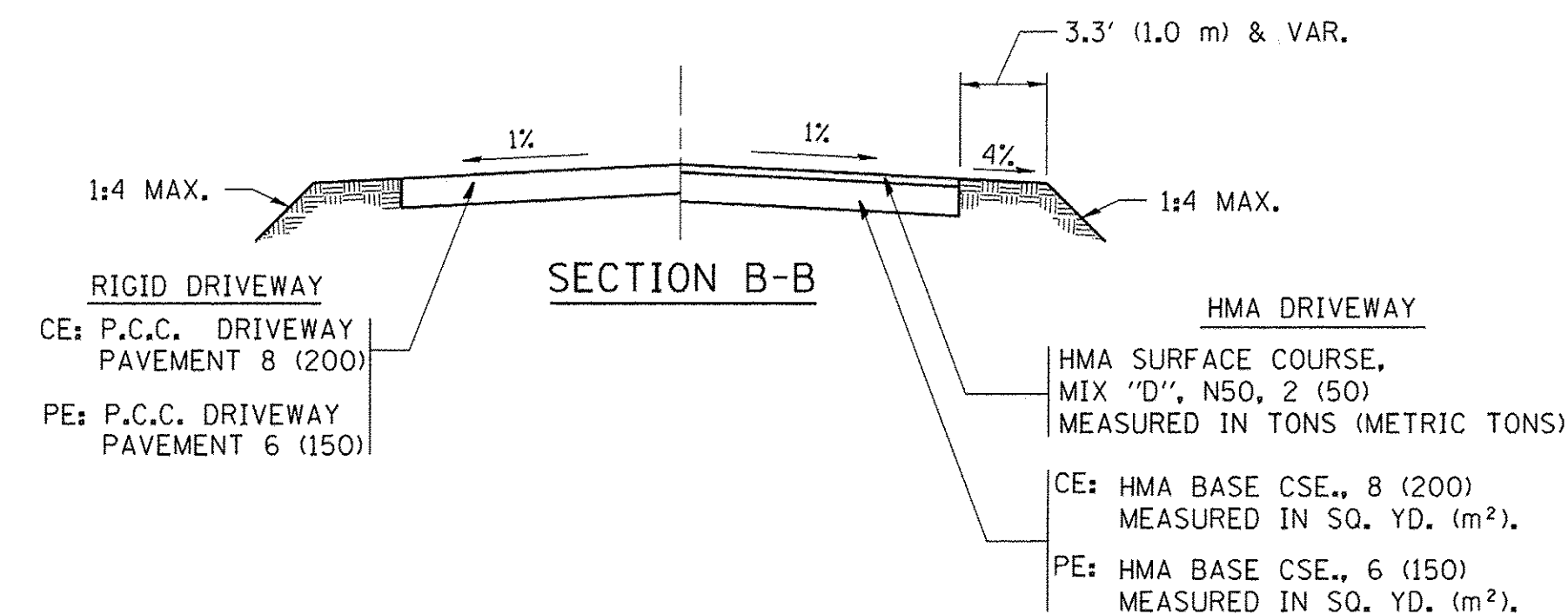
HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200)
 MEASURED IN SQ. YD. (m²),
 PE: HMA BASE COURSE, 6 (150)
 MEASURED IN SQ. YD. (m²).



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
 MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

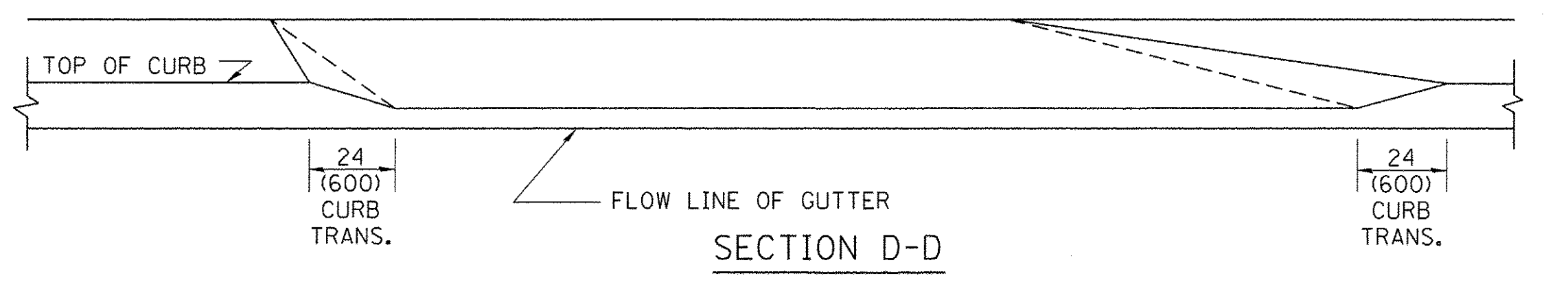
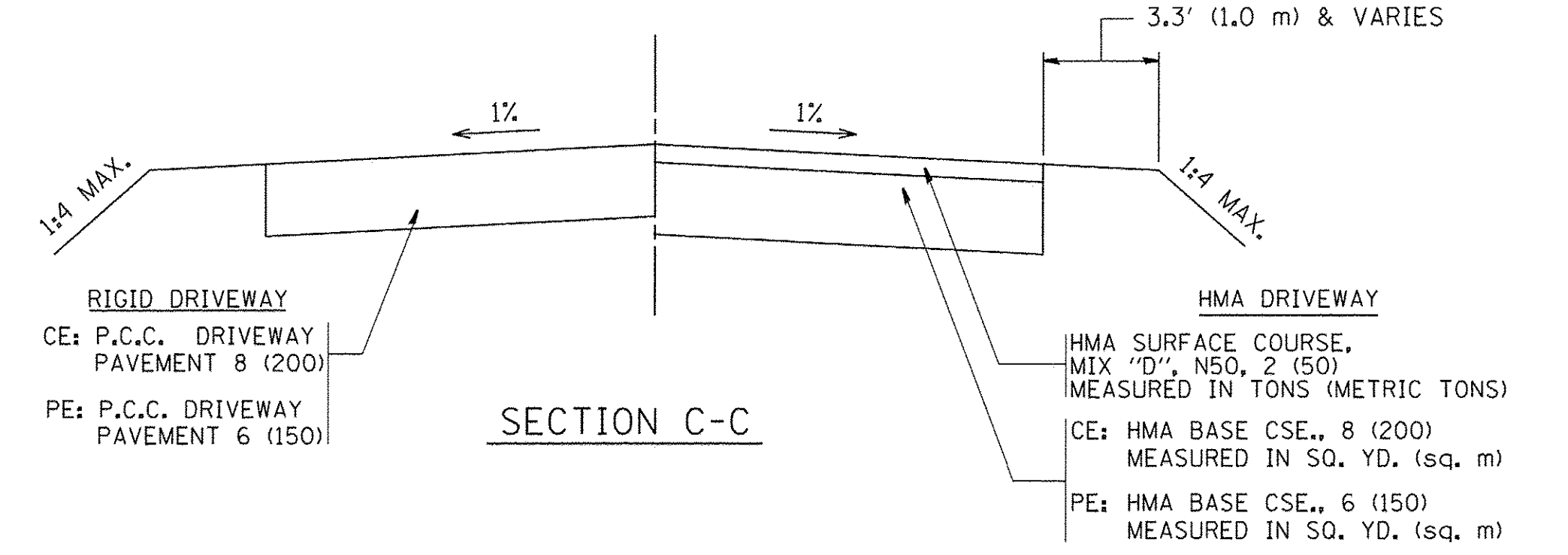
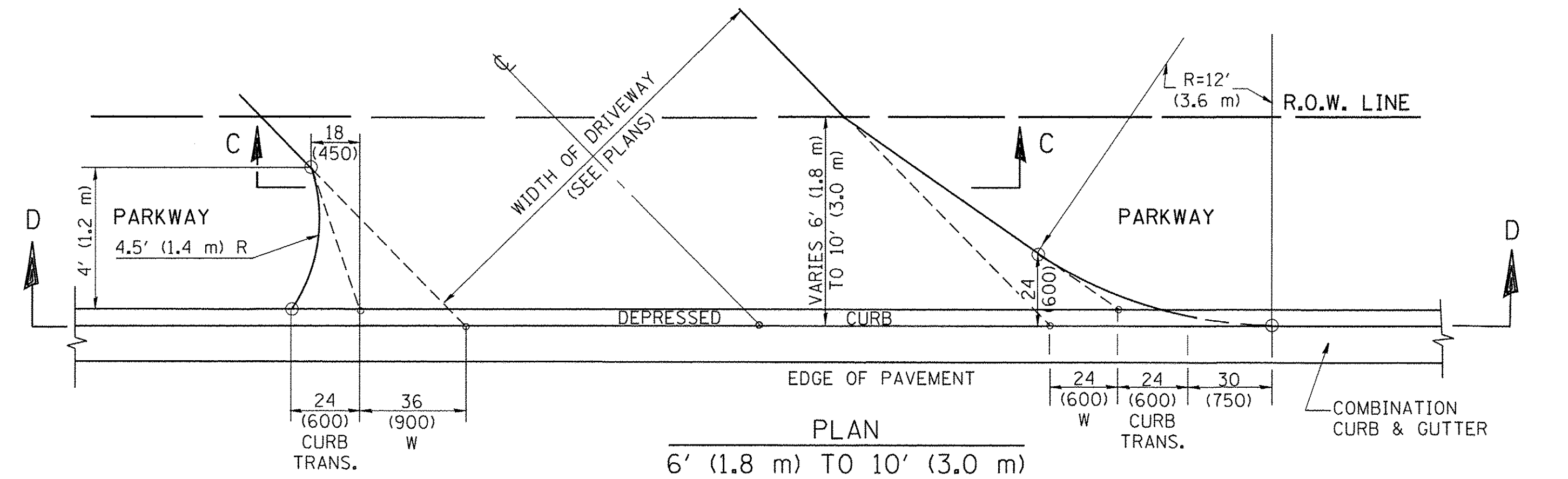
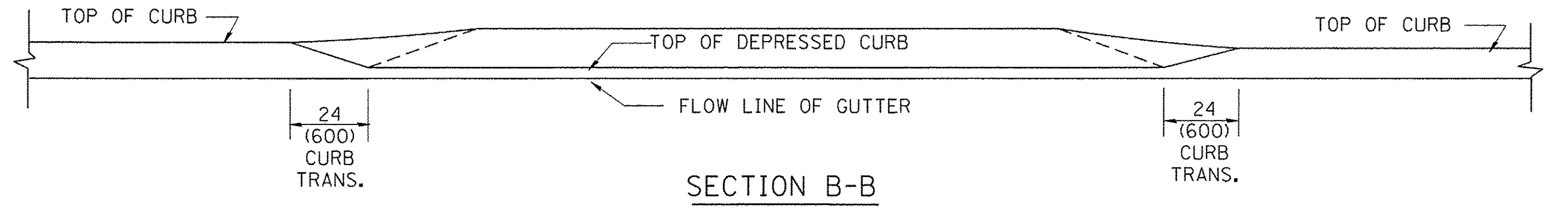
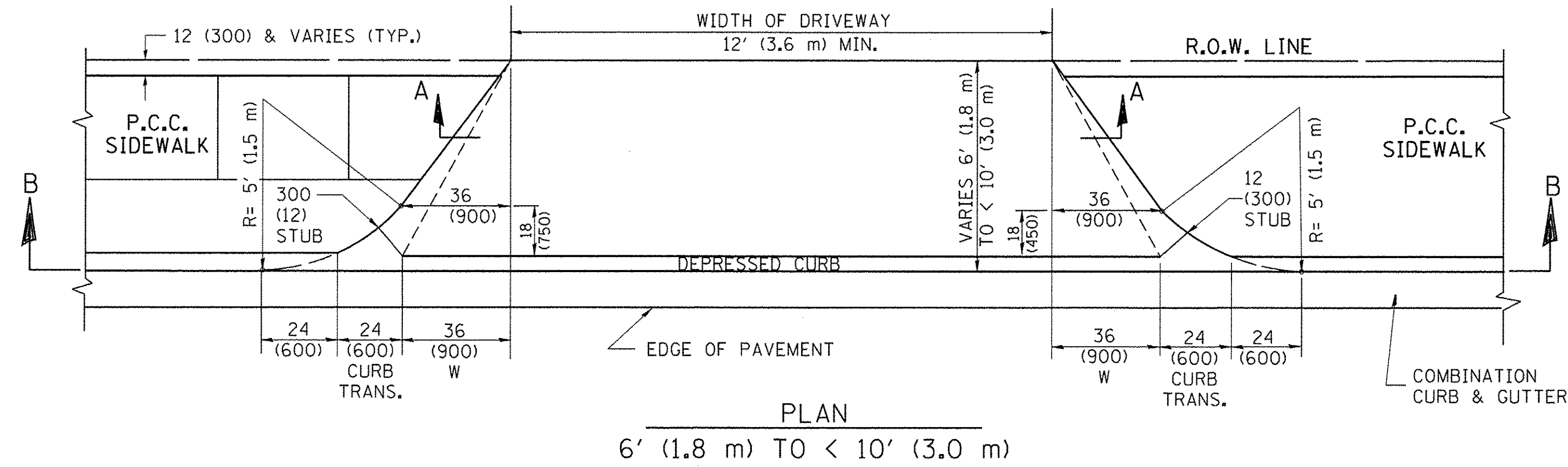
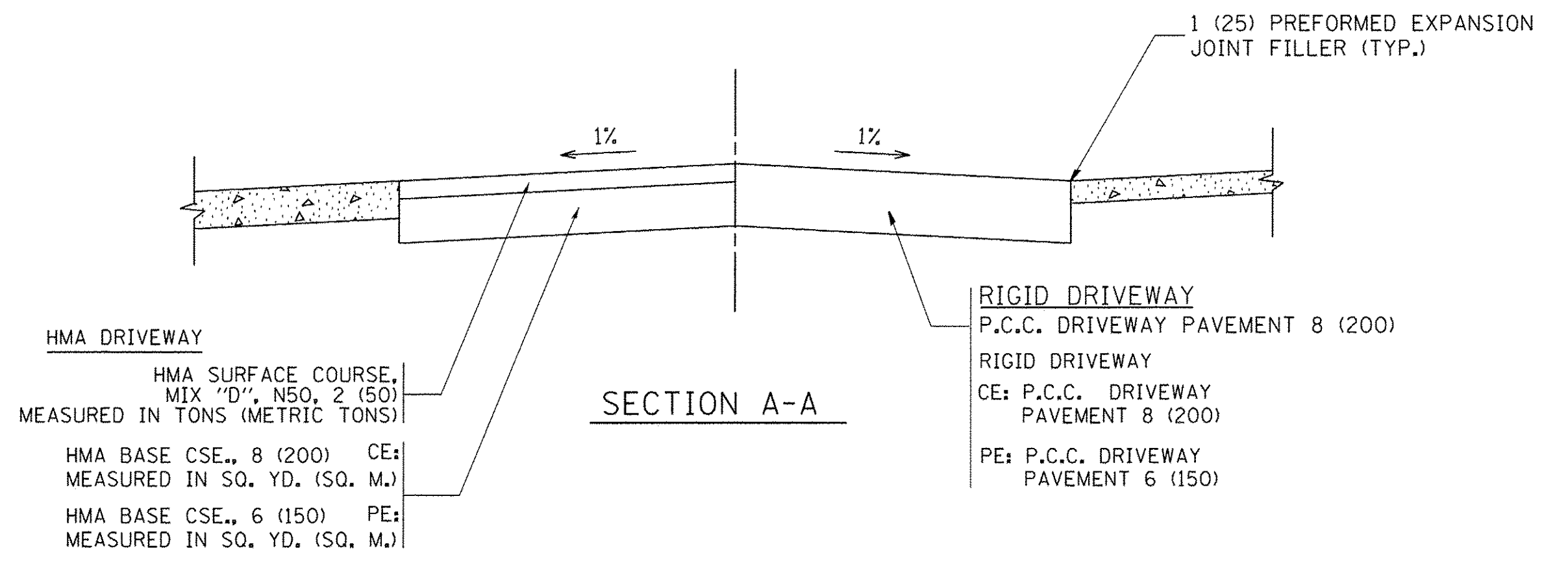
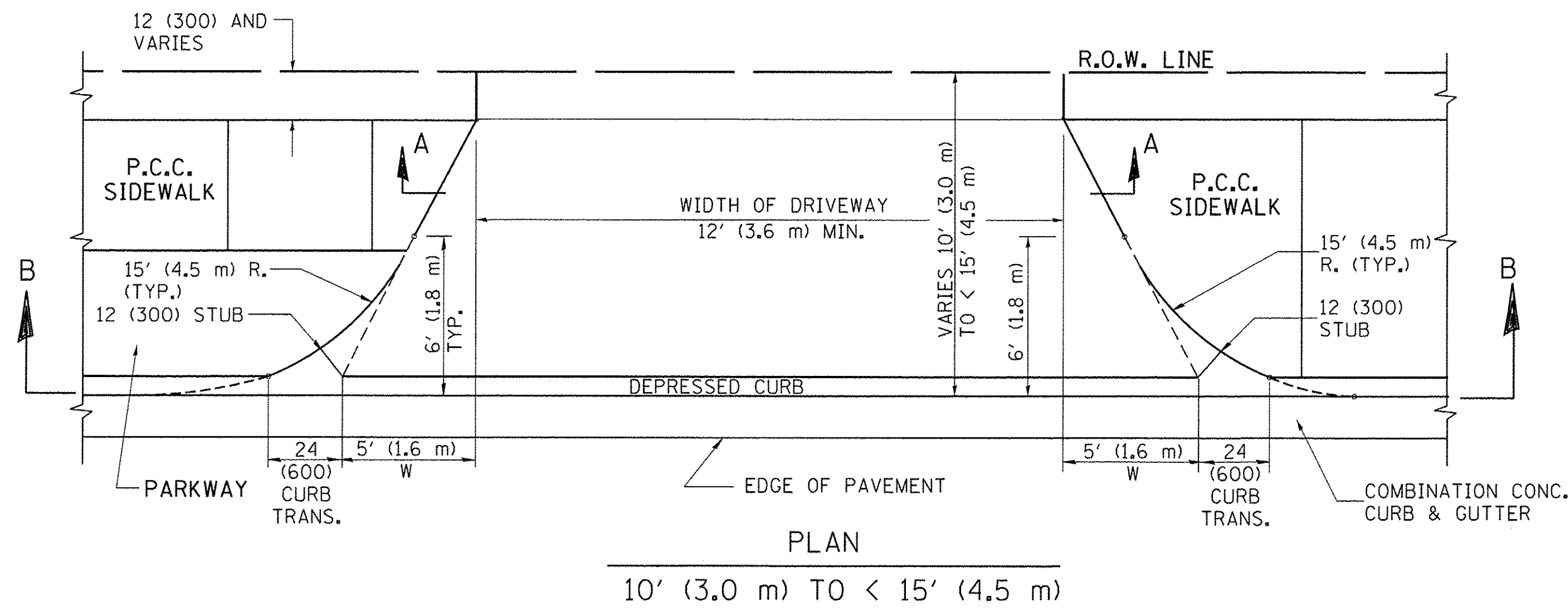
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
 AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)**

FILE NAME =	USER NAME = leysa	DESIGNED - R. SHAH	REVISED - P. LoFLUER 04-15-03
ct:\pw\work\p1dot\leysa\d0108315\bd01.dgn		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 06-11-08
	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 335
			BD0156-07 (BD-01)		CONTRACT NO.		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT							



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

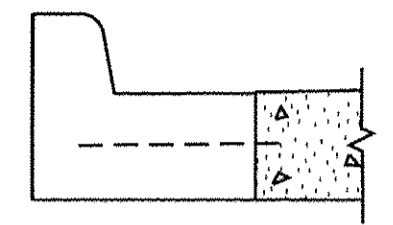
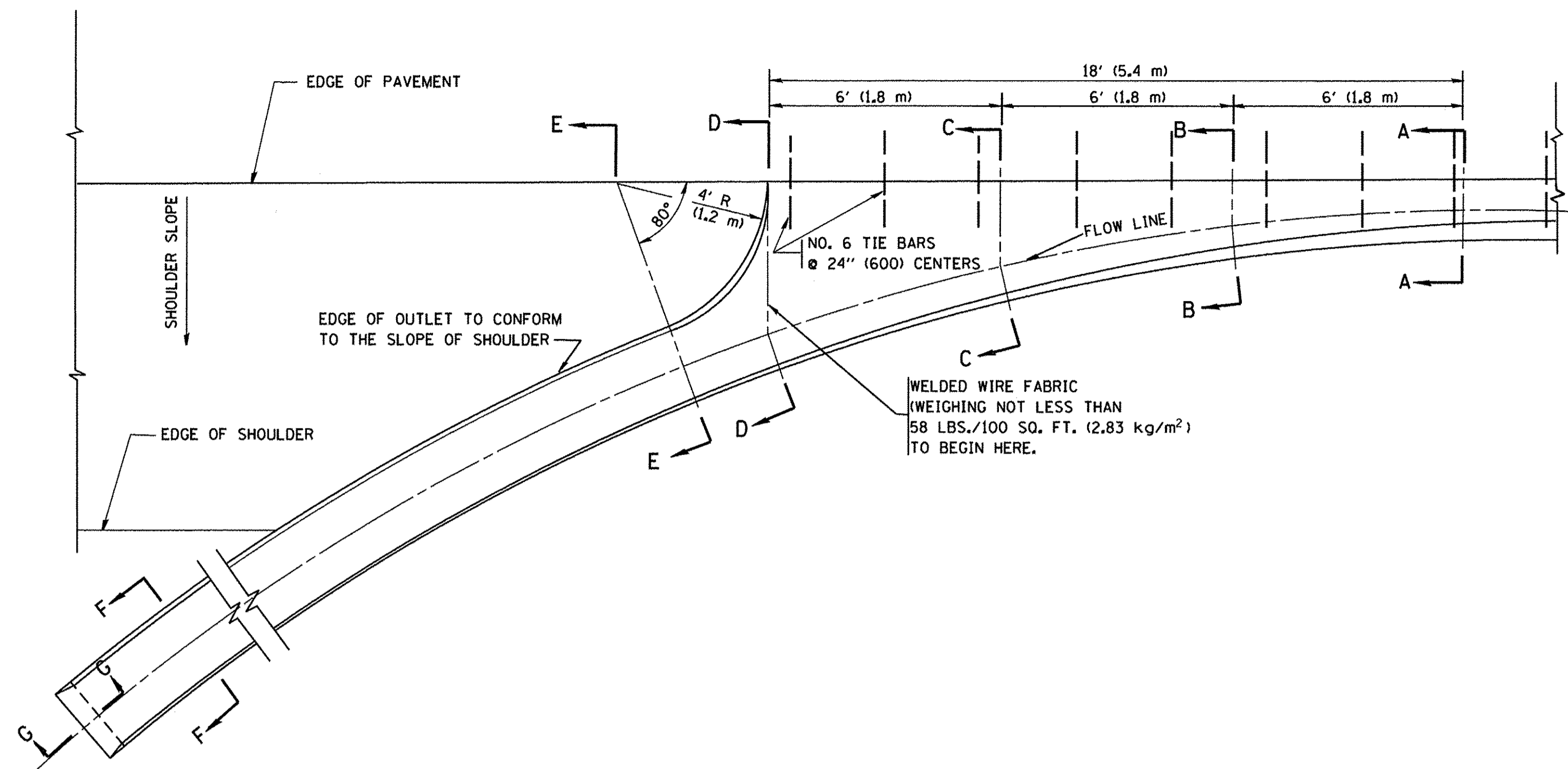
COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

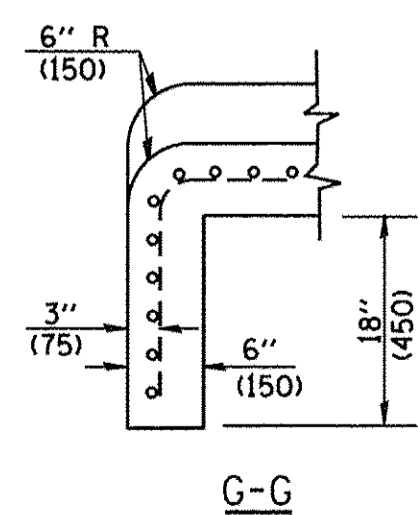
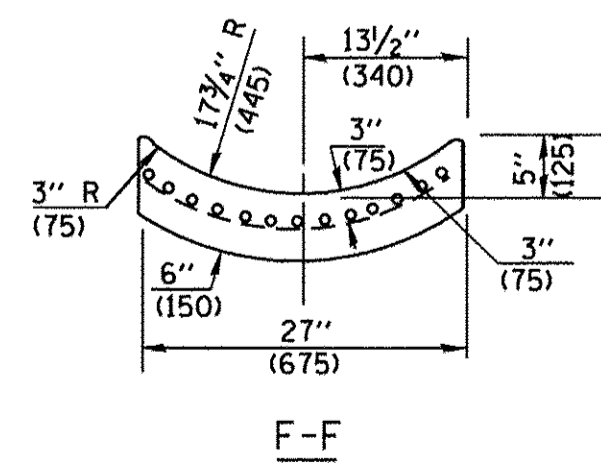
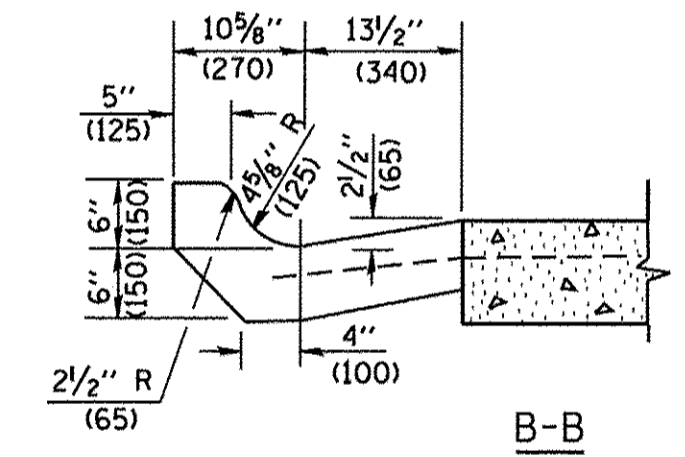
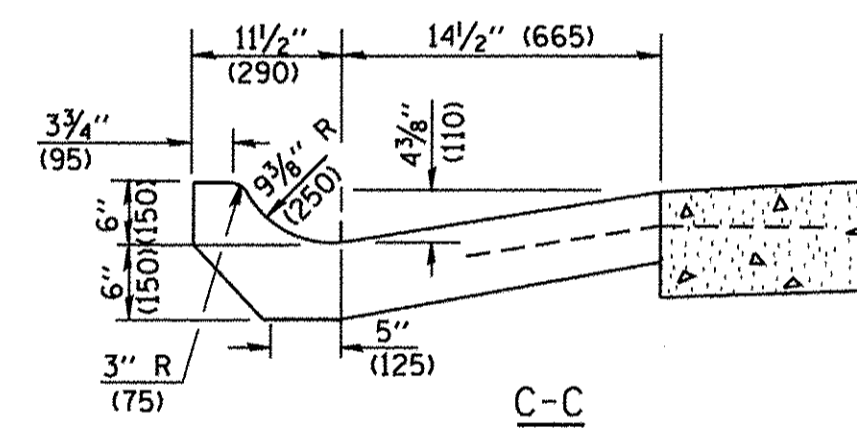
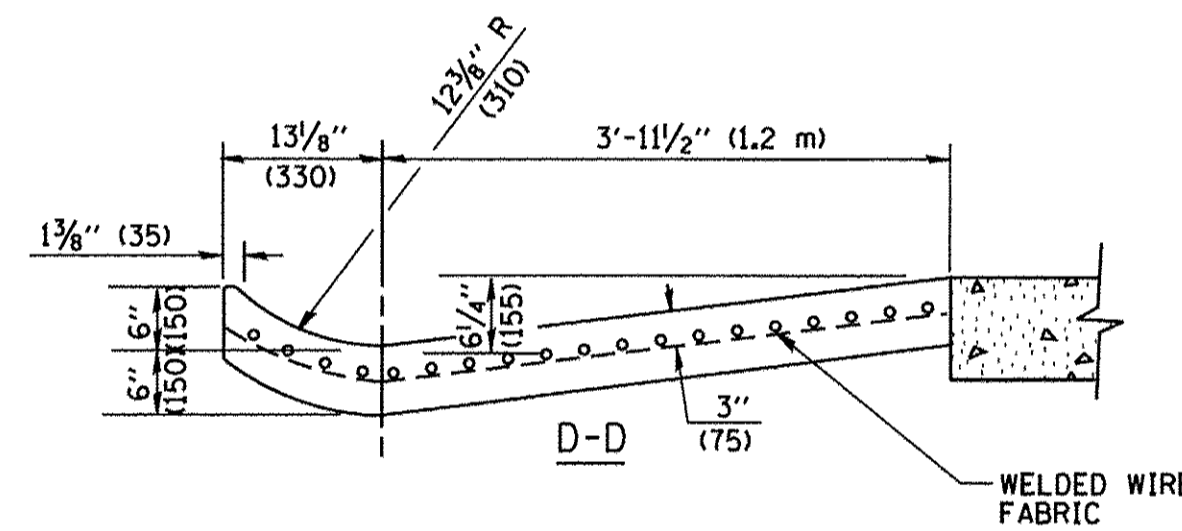
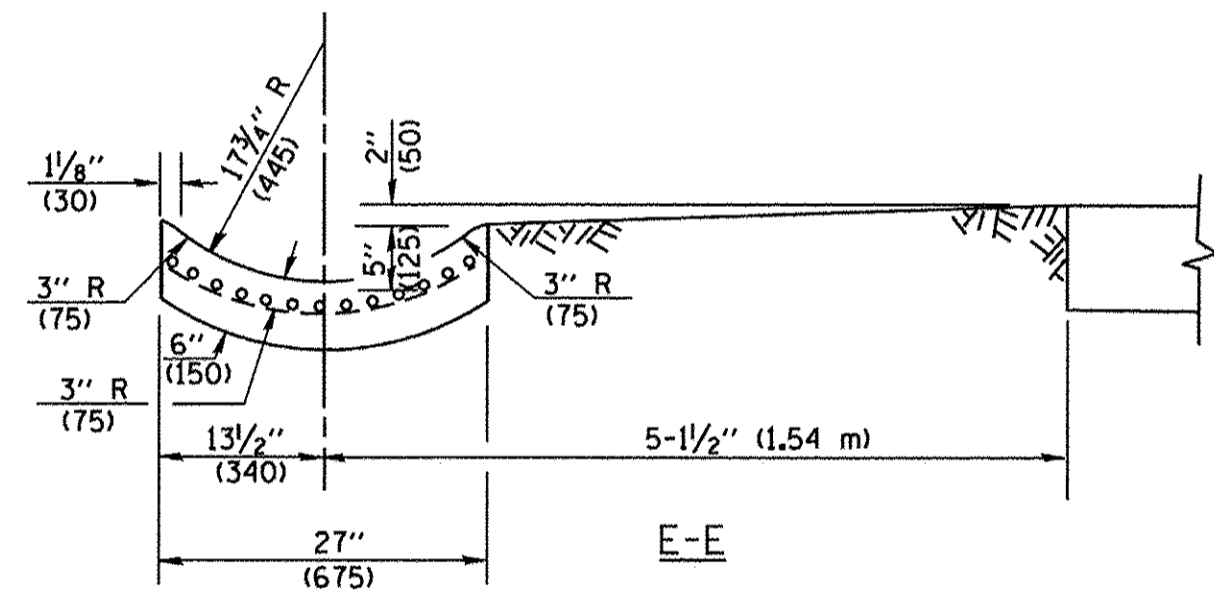
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = lryse	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwork\pwork\lryse\d0108315\bd02.dgn		DRAWN -	REVISED - P. LOFLEUR 04-15-03		DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			2298	13-00215-10-PV	KANE	477	336
	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD400-02 (BD-02)				
	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11		CONTRACT NO.							



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24\" (600) CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL =
 1.25 CU. YDS. (0.96 m³) CLASS S1 CONCRETE (OUTLET) FOR 9\" (225) PAV'T.
 1.27 CU. YDS. (0.96 m³) CLASS S1 CONCRETE (OUTLET) FOR 10\" (250) PAV'T.
 FOR SECTION F-F =
 0.045 CU. YDS. (0.03 m³) CLASS S1 CONCRETE PER FT. (M).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

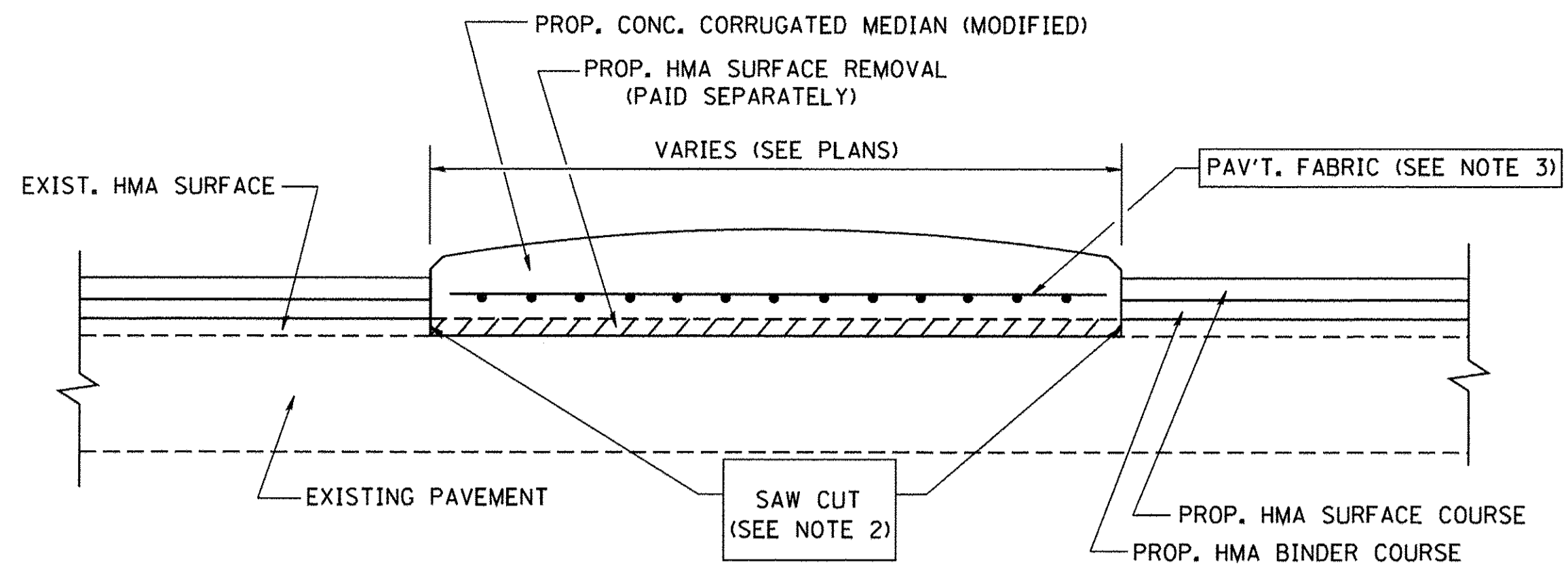
**OUTLET FOR CONCRETE
 CURB AND GUTTER**

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USER NAME = goglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94
PLOT DATE = 1/4/2008	DATE - 08-04-86	REVISED - E. GOMEZ 12-21-00
		REVISED -

F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 337
BD600-01 (BD-03)		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

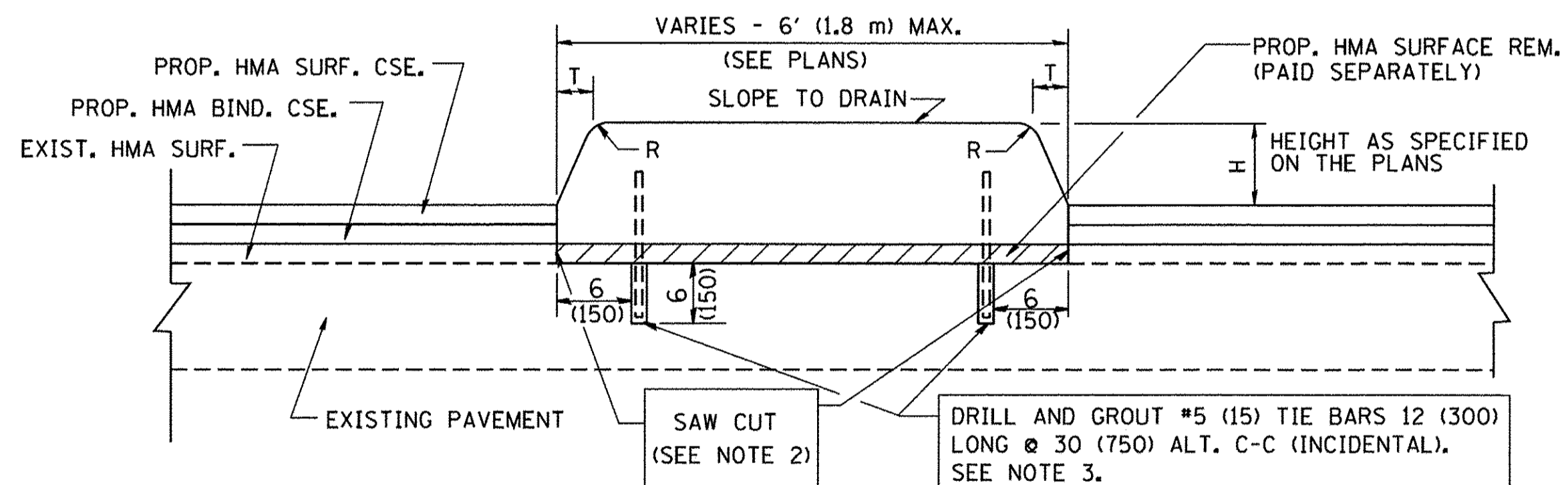
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.



- NOTES:
1. CORRUGATED MEDIAN (MODIFIED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE PORTIONS OF STATE STANDARD 606306.
 2. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY DELETE THE SAW CUT IF A NEAT JOINT CAN BE OBTAINED BY MILLING THE HMA SURFACE TO BE REMOVED. SAW CUT WILL BE INCLUDED IN THE COST OF CORRUGATED MEDIAN (MODIFIED)
 3. PAVEMENT FABRIC WILL BE INCLUDED IN THE COST OF CORRUGATED MEDIAN (MODIFIED)

DETAILS FOR CORRUGATED MEDIAN (MODIFIED)

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR "CORRUGATED MEDIAN (MODIFIED)"



- NOTES:
1. CONCRETE MEDIAN TYPE SB (DOWELLED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF STATE STANDARD 606301 AND SECTION 606 OF THE STANDARD SPECIFICATIONS.
 2. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY DELETE THE SAW CUT IF A NEAT JOINT CAN BE OBTAINED BY MILLING THE HMA SURFACE TO BE REMOVED. SAW CUT WILL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN TYPE SB (DOWELLED)"
 3. FOR MEDIAN WIDTH LESS THAN 4' (1.2 m) USE ONE ROW OF #5 (15) BARS @ 30 (750) C-C ALONG THE MEDIAN CENTERLINE. TIE BARS WILL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN TYPE SB (DOWELLED)"

DETAILS FOR CONCRETE MEDIAN

TYPE SB (DOWELLED)

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR "CONCRETE MEDIAN TYPE SB (DOWELLED)"

H	R	T
6(150)	1(25)	1(25)
9(225)	1(25)	2(50)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd05.dgn

USER NAME = gegl1enobt

DESIGNED - M. DE YONG

REVISED - R. SHAH 09-09-94

DRAWN -

REVISED - R. SHAH 10-25-94

PLOT SCALE = 50.0000' / IN.

REVISOR - E. GOMEZ 08-28-00

PLOT DATE = 1/4/2008

REVISOR - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR CONCRETE MEDIAN TYPE SB (DOWELLED)
CORRUGATED MEDIAN (MODIFIED)

SCALE: NONE

SHEET NO. 1 OF 1 SHEETS

STA.

TO STA.

F.A.U.
RTE.

SECTION

COUNTY

TOTAL
SHEETS

SHEET
NO.

2298

13-00215-10-PV

KANE

477

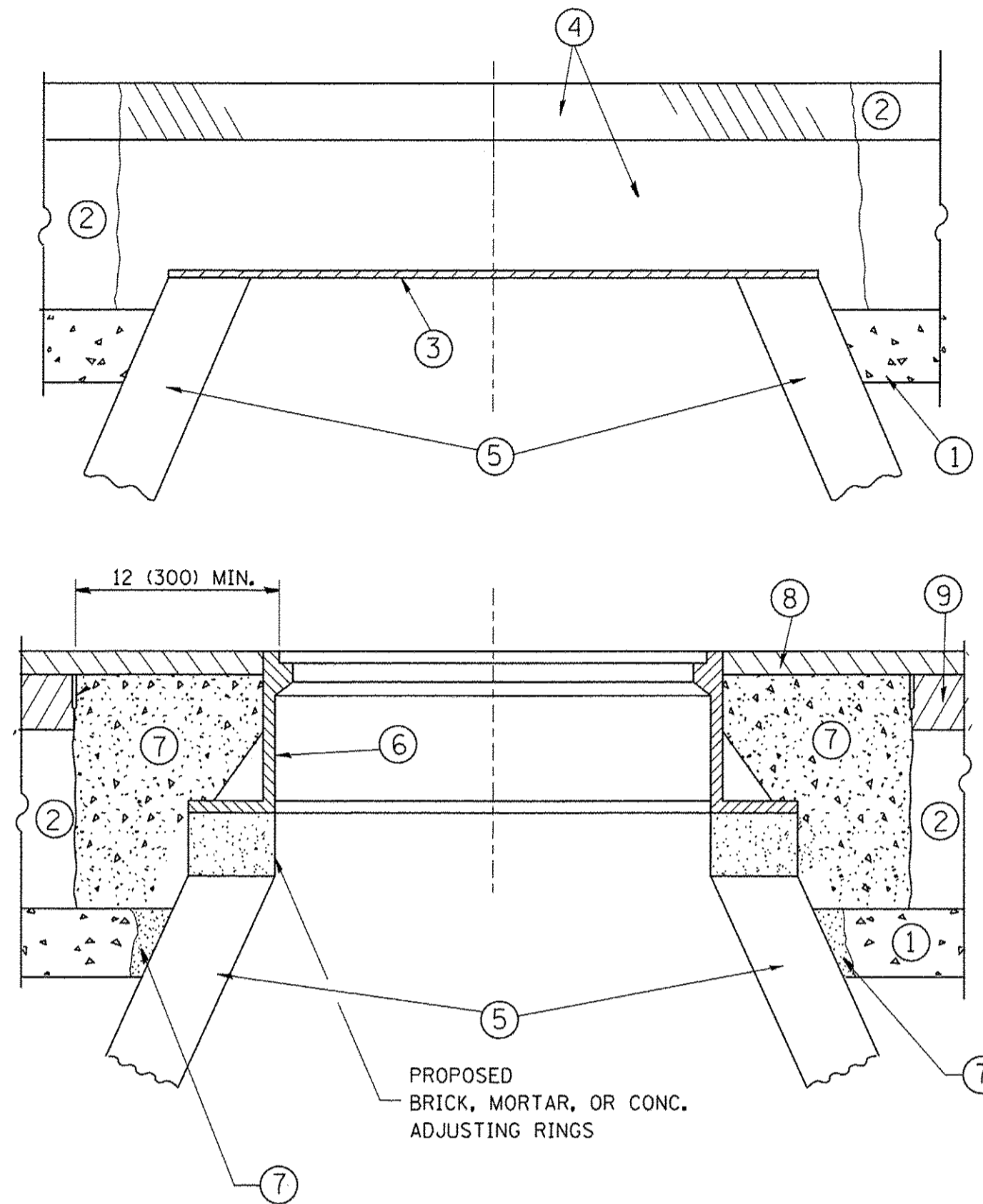
338

BD600-02

(BD-5)

CONTRACT NO.

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

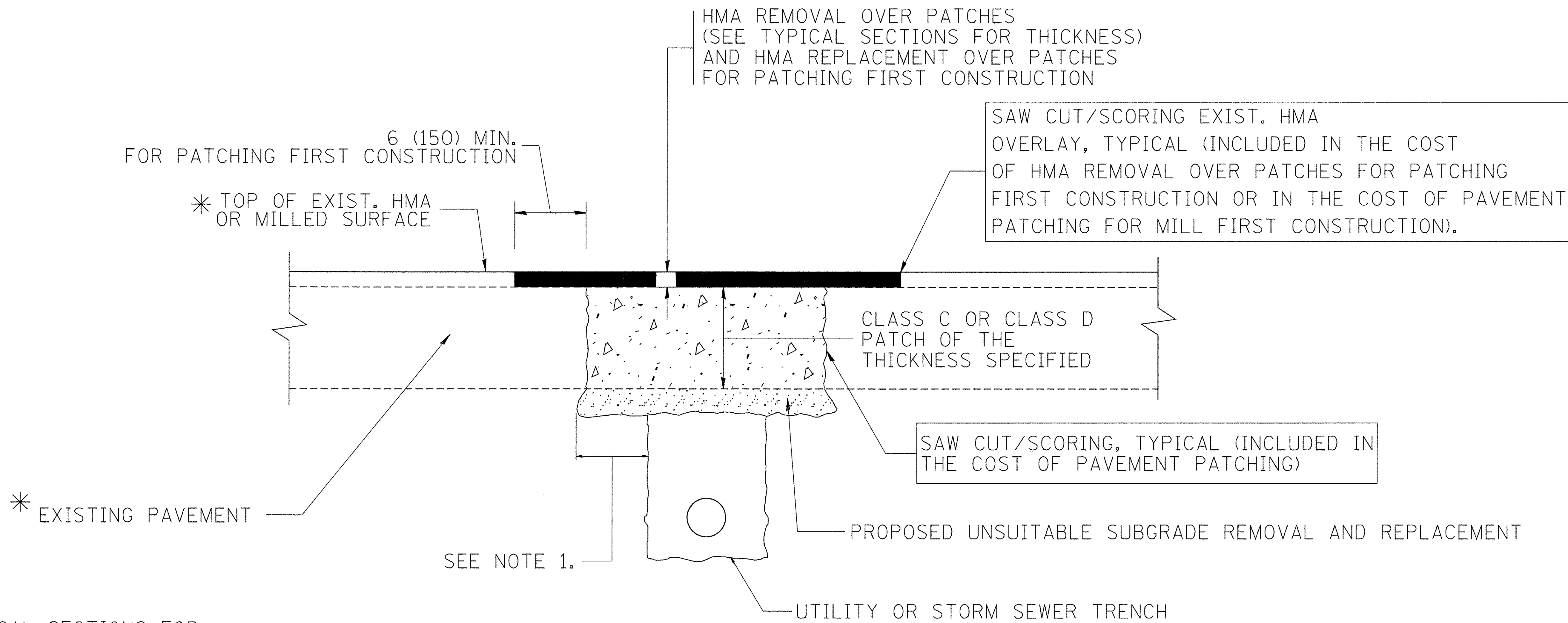
THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 339		
c:\pwork\pwork\baerd1\d0108315\bd08.dgn		DRAWN -	REVISED - R. BORO 01-01-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD600-03 (BD-8)		CONTRACT NO.	
	PLOT SCALE = 1/648.5000' / m	CHECKED -	REVISED - R. BORO 03-09-11			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11									



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

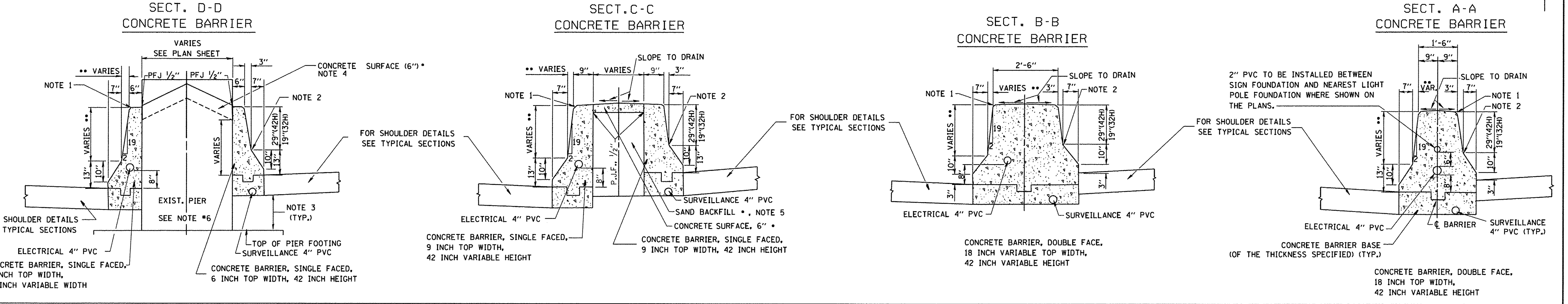
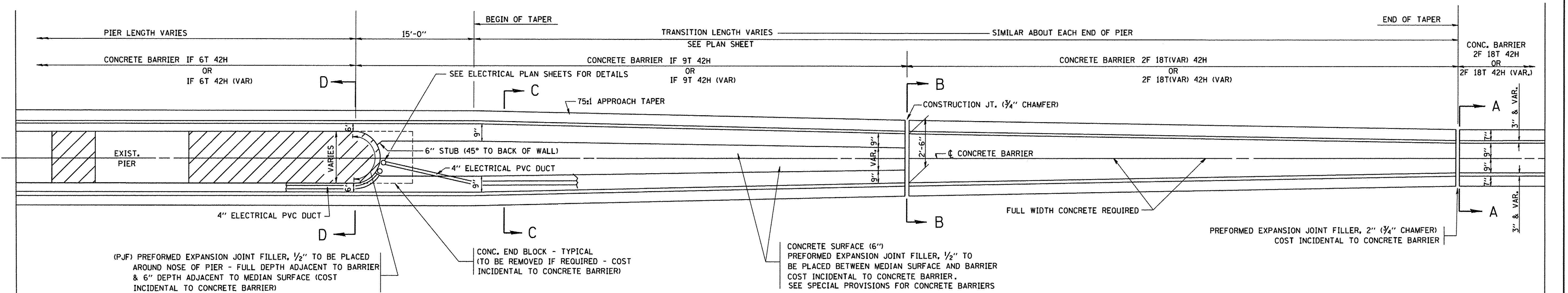
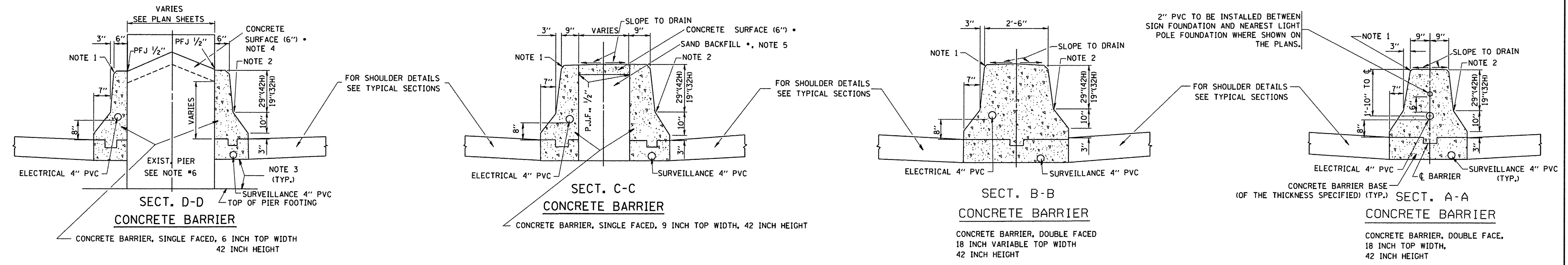
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = c:\projects\dststd22x34\bd22.dgn	USER NAME = bouerd1	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 340
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 01-01-07			BD400-04 (BD-22)		CONTRACT NO.		
PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

TANGENT CONDITION

PLAN VIEW OF CONCRETE BARRIER TRANSITION

(SUPER ELEVATION CONDITION)

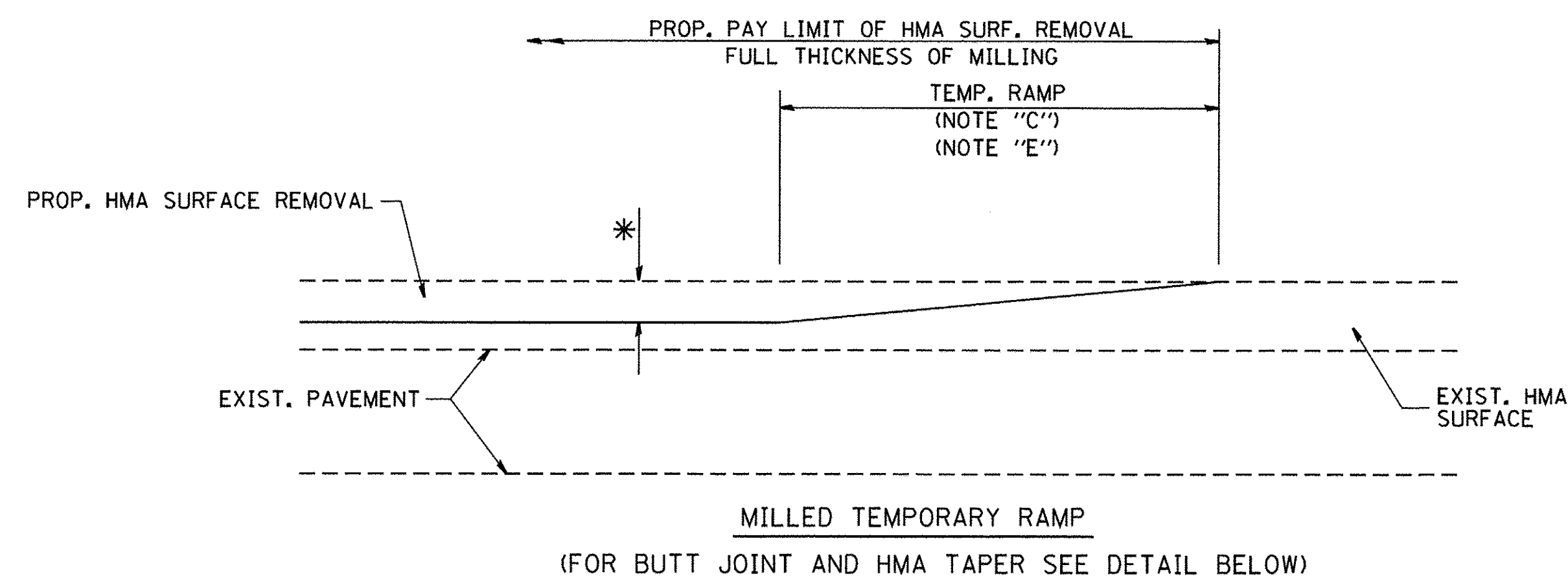


GENERAL NOTES - FOR UNDERDRAIN DETAILS SEE TYPICAL SECTIONS
 - PREFORMED JOINT FILLER SHALL BE INCIDENTAL TO THE CONCRETE BARRIER OF THE TYPE INVOLVED.
 - FOR KEYWAY (F) DIMENSIONS, SEE TYPICAL SECTIONS
 - CONCRETE BARRIER BASE PAY ITEM IS TO BE INCLUDED IF THE BARRIER IS CONSTRUCTED MONOLITHIC OR JOINTED TO BASE. IF JOINTED CONTRACTORS WILL HAVE THE OPTION OF USING A KEYWAY OR TIE BARS AT O.C.

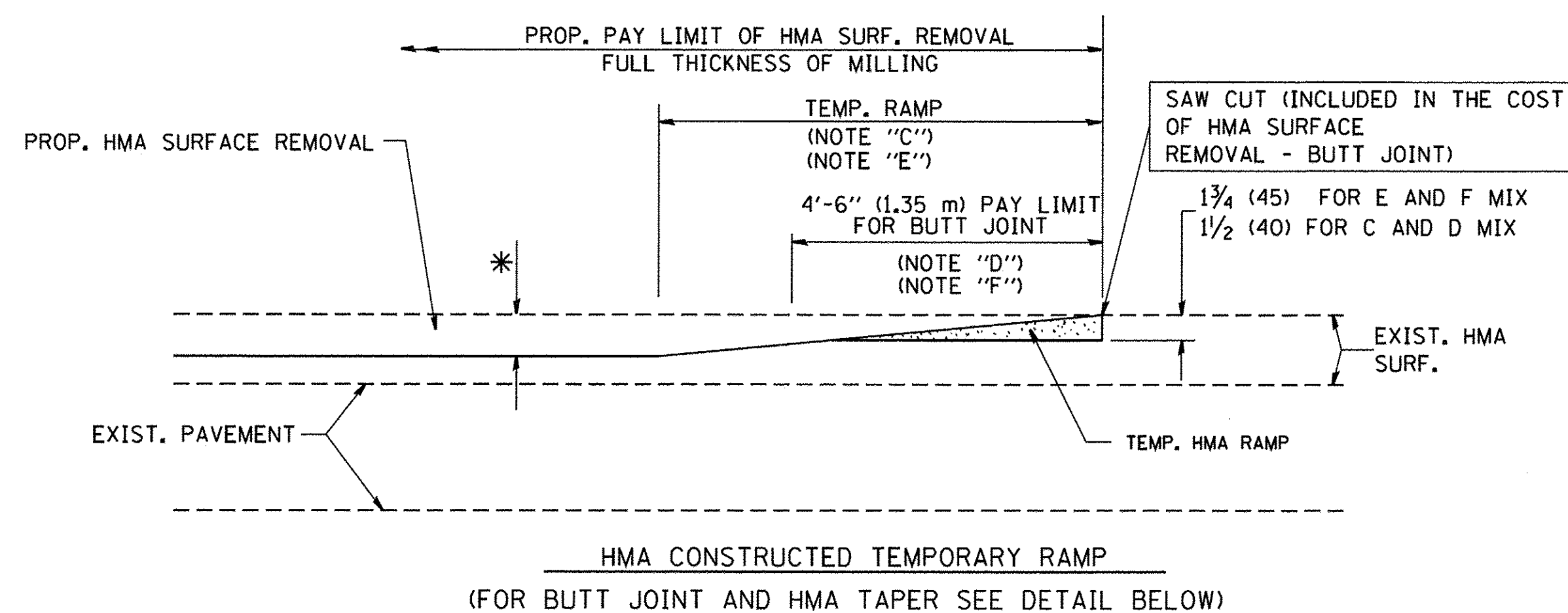
NOTE 1 - 3/4" CHAMFER OR 1" RADIUS (OPTIONAL)
NOTE 2 - 10" RADIUS (OPTIONAL)
NOTE 3 - EXTEND BOTTOM OF BARRIER TO FOOTING ONLY WHEN DEPTH IS 6" OR LESS, OTHERWISE MAINTAIN SAME DEPTH AS BOTTOM OF SHOULDER
NOTE 4 - PIER FILLER MATERIAL TO BE CONCRETE IF MINIMUM 6" THICKNESS WILL BE MAINTAINED. IF 6" THICKNESS CANNOT BE MAINTAINED USE ASPHALT FILLER MATERIAL AS DIRECTED BY THE ENGINEER.
NOTE 5 - SAND BACKFILL AND CONCRETE SURFACE WILL BE REQUIRED. FILLING WITH CONCRETE WILL NOT BE ALLOWED.
NOTE 6 - IF PIER IS NEW CONSTRUCTION BARRIER WALL MAY BE MONOLITHIC

** MAINTAIN SLOPE OF FACE AS SHOWN ON DETAIL. HEIGHT AND WIDTH OF BARRIER INCREASE WHERE A DIFFERENCE IN MEDIAN EDGE-OF-PAVEMENT GRADE ELEVATION EXISTS.
 • COST OF SAND BACKFILL, CONCRETE SURFACE (6"), AND PIER FILLER MATERIAL WILL NOT BE INCIDENTAL.

FILE NAME = W:\diststd\22x34\bd27.dgn	USER NAME = geglionobt	DESIGNED - FORD	REVISED - FORD 12-06-88	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE BARRIER TRANSITION & GENERAL DETAILS, CONCRETE BARRIER BASE			F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 341
	PLOT SCALE = 50.0000 / IN.	CHECKED -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD-27				
	PLOT DATE = 1/4/2008	DATE - 09-09-88	REVISED -		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT							
CONTRACT NO.												

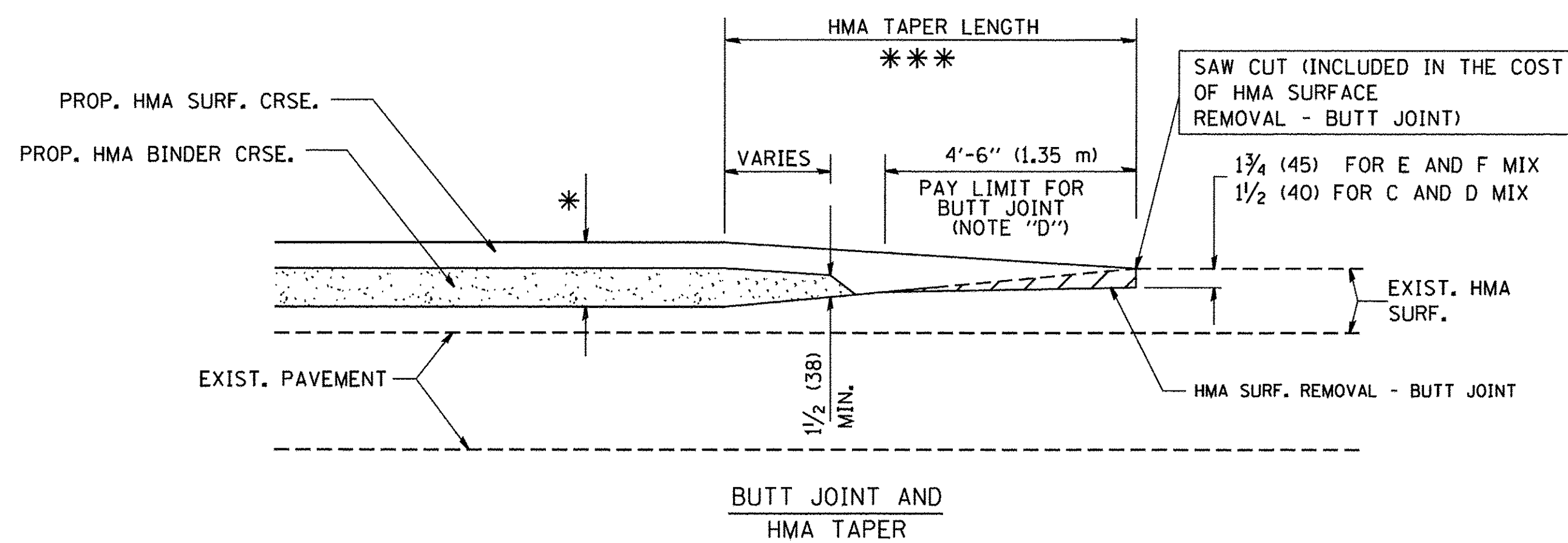


OPTION 1

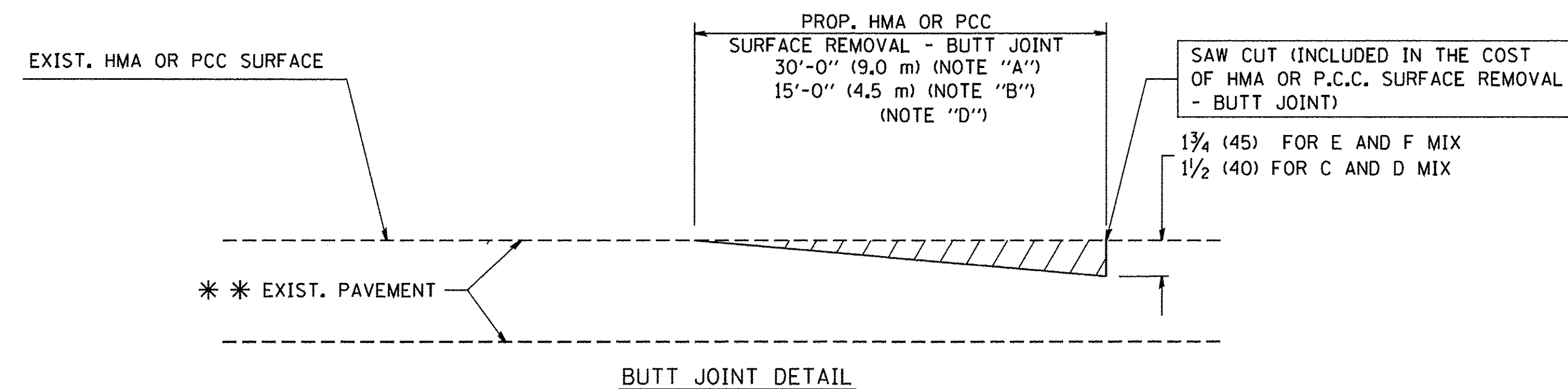


OPTION 2

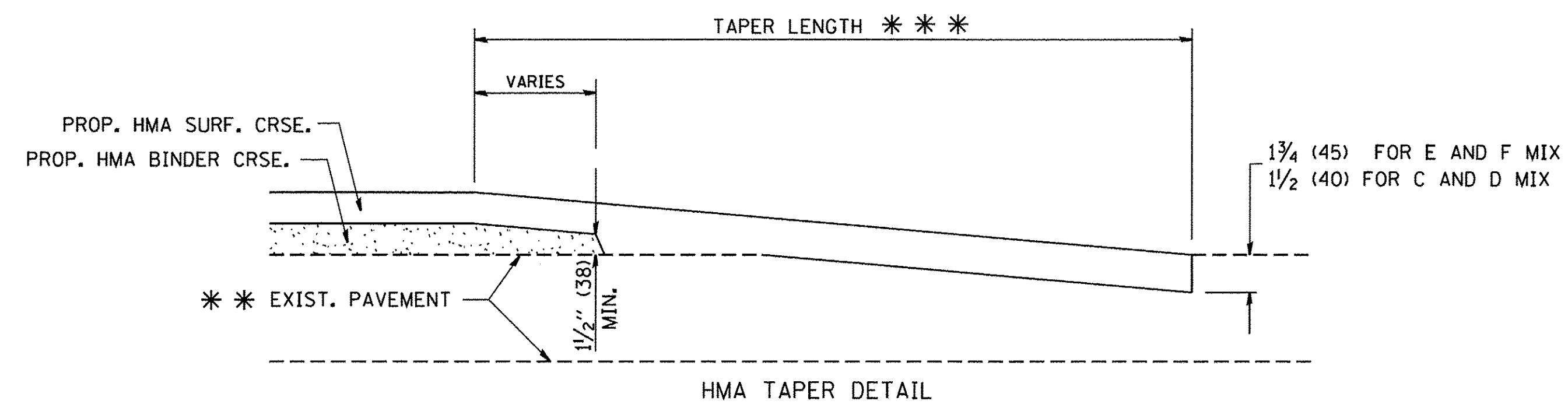
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd32.dgn

USER NAME = geglianobt
 PLOT SCALE = 50.0000' / IN.
 PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG
 DRAWN -
 CHECKED -
 DATE - 06-13-90

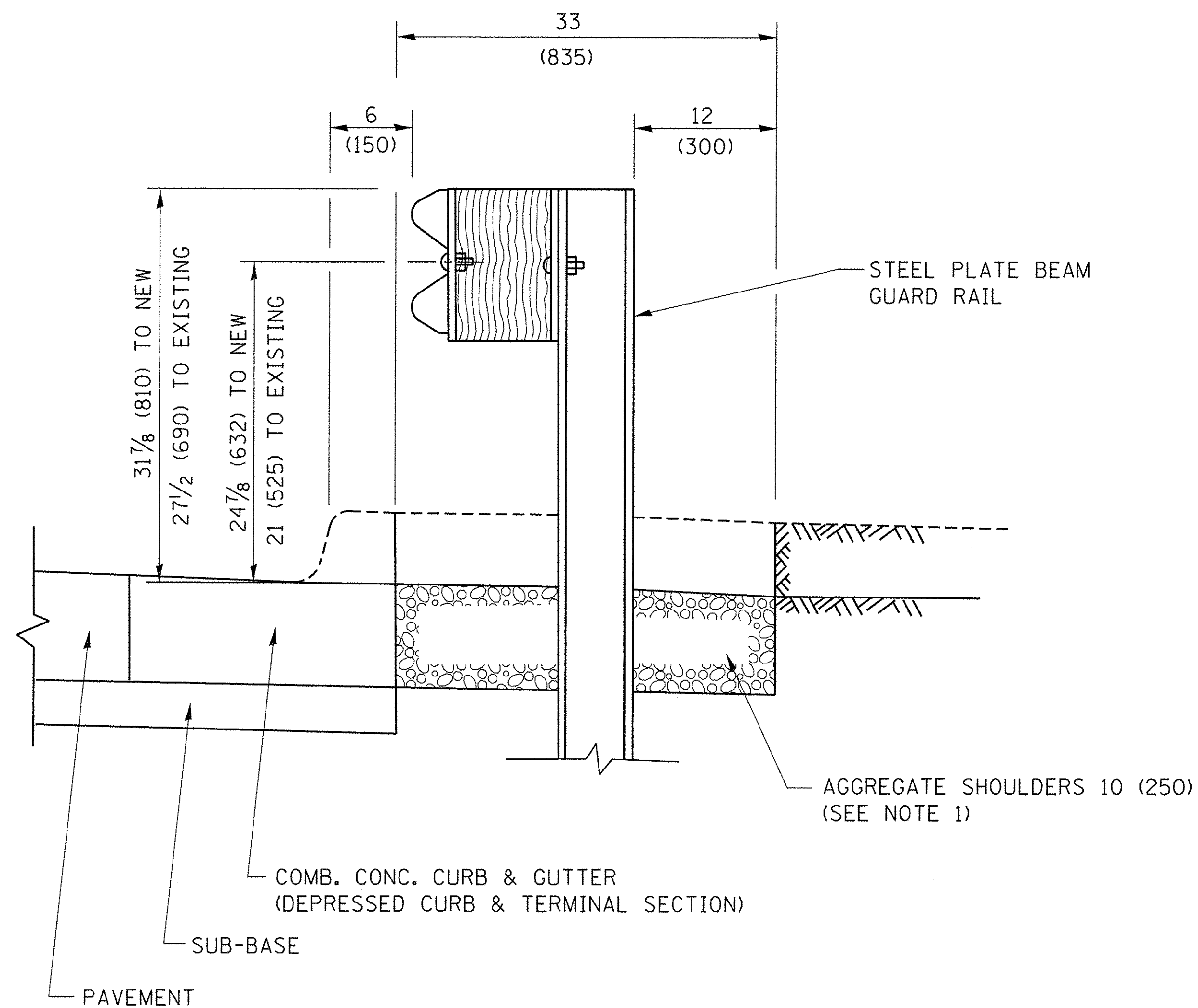
REVISED - R. SHAH 10-25-94
 REVISED - A. ABBAS 03-21-97
 REVISED - M. GOMEZ 04-06-01
 REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
 HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

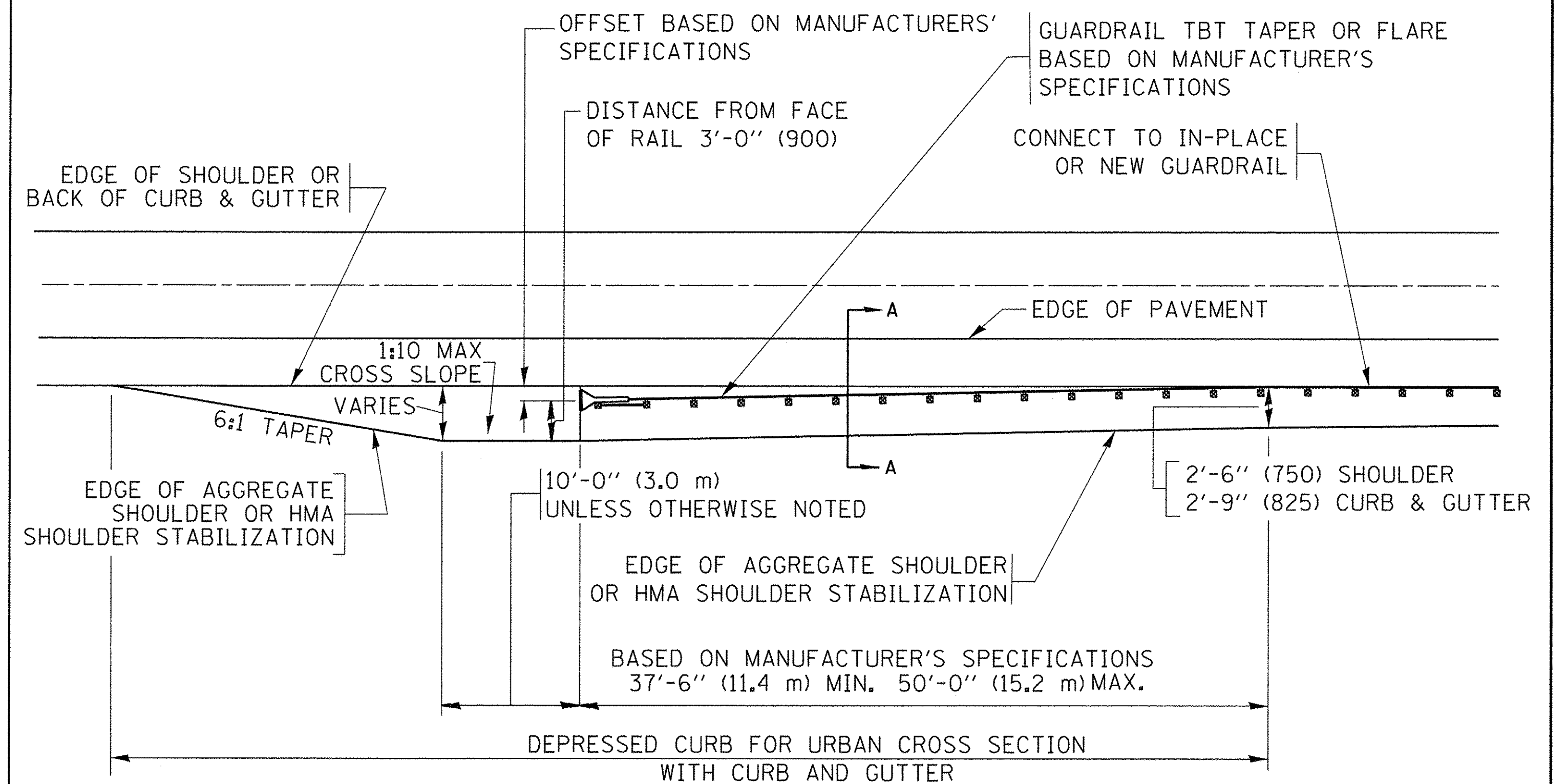
F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 342
BD400-05 BD32			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

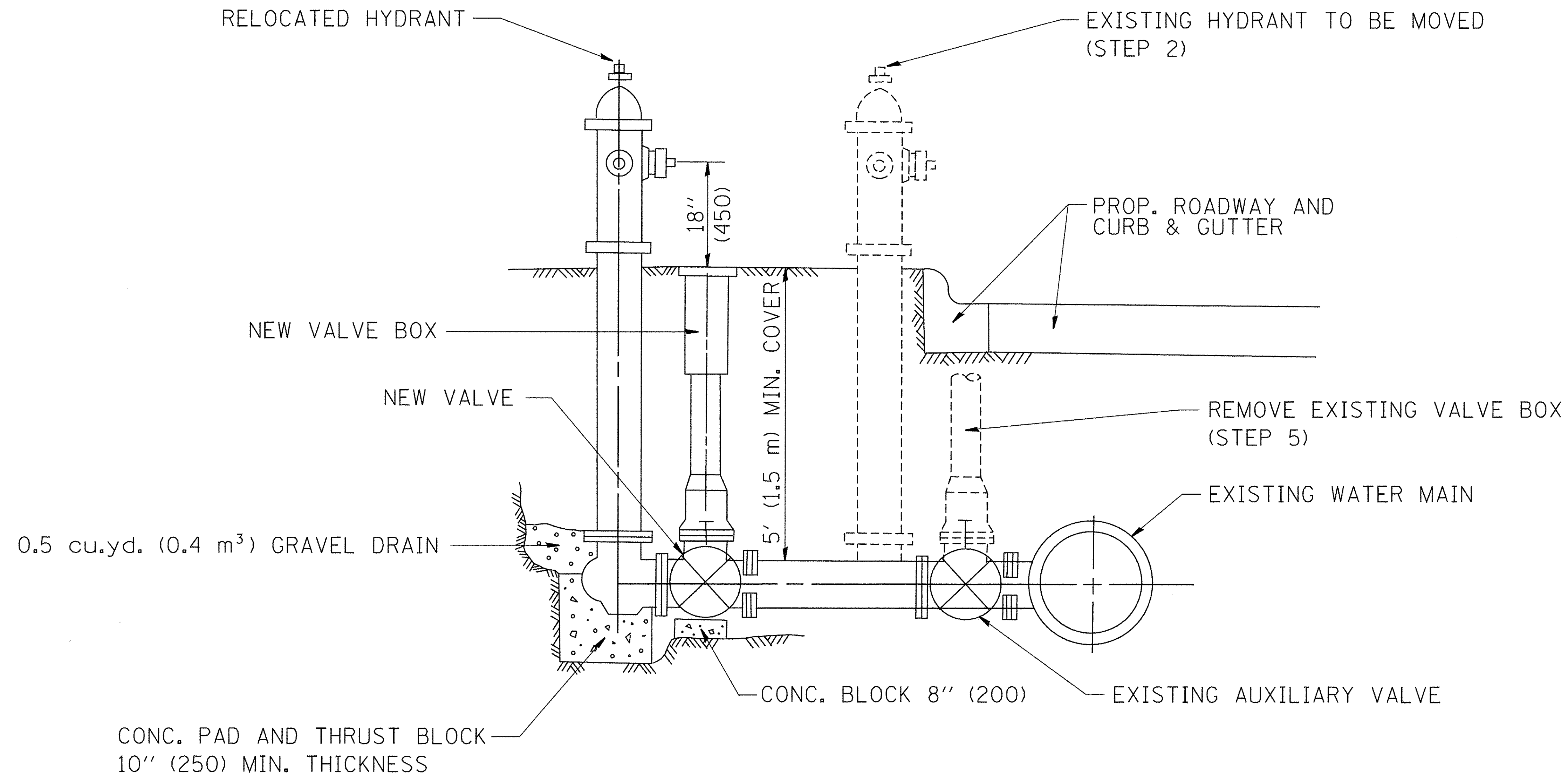
TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = drivakosgn	DESIGNED - M. DE YONG	REVISED - R. BORO 12-08-2008
pw:\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\Dist 1\Drawings\CADD\to\CAD\sheets\bd34.dgn		CHECKED -	REVISED - R. BORO 09-14-2009
Default	PLOT SCALE = 50.0000 / in.	DATE - 09-22-90	REVISED - R. BORO 08-06-2012
	PLOT DATE = 12/21/2015		REVISED - R. BORO 05-08-2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBT TY. 1 SPL.			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 343
BD600-10 (BD 34)			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd36.dgn	USER NAME = goglionobt	DESIGNED -	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIRE HYDRANT TO BE MOVED			F.A.U. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - R. SHAH 10-25-94					2298	13-00215-10-PV	KANE	477	344
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD-36		CONTRACT NO.	
											FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

GENERAL NOTES

ALTERNATE MATERIAL FOR THE WALLS MAY BE CONCRETE MASONRY UNITS, PRECAST REINFORCED CONCRETE SECTIONS OR CAST-IN-PLACE CONCRETE. THE CAST IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN MAY BE USED WHEN APPROVED BY THE ENGINEER.

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF THREE (3) INCHES. STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN (10') OR LESS.

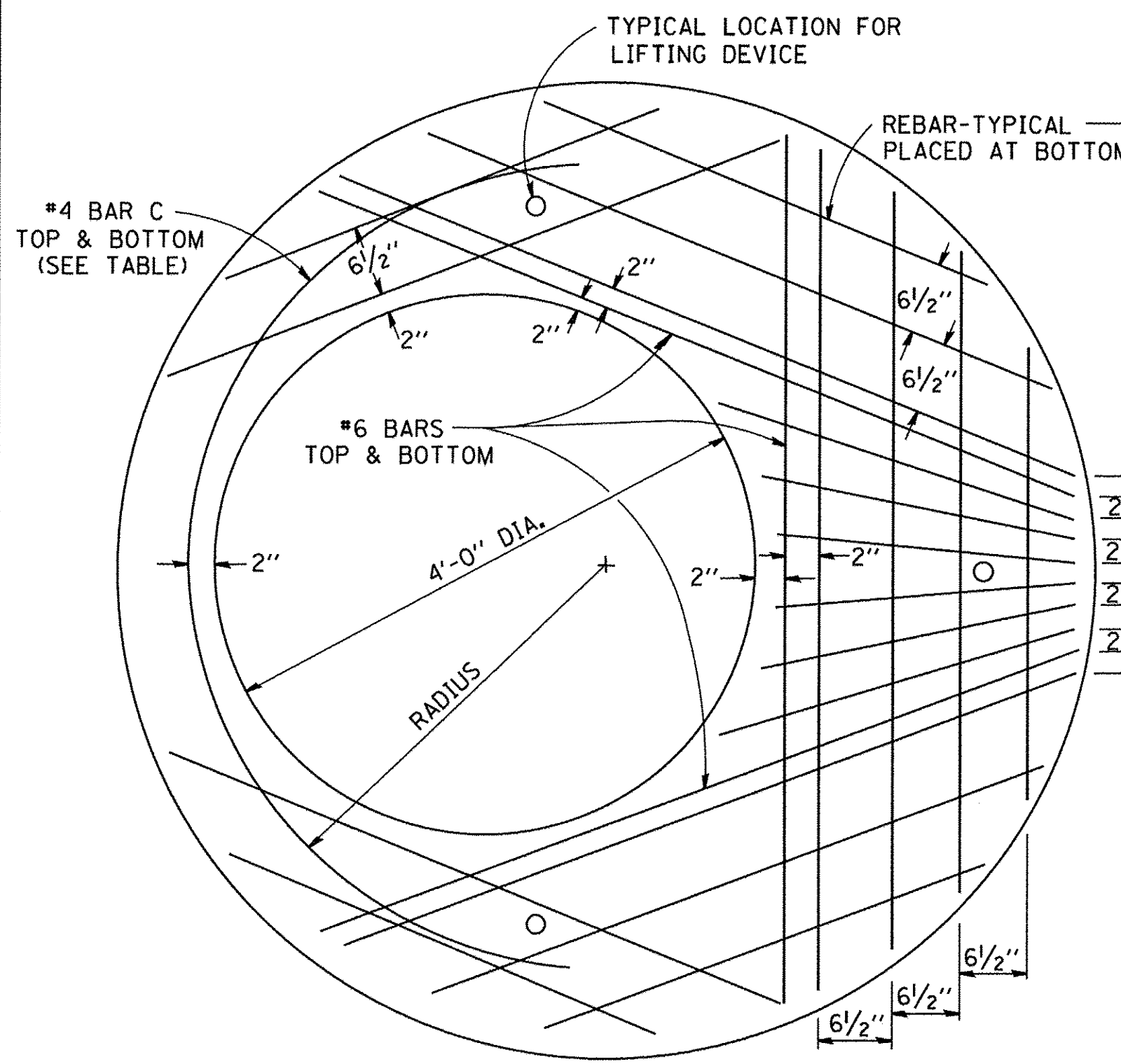
IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING AND INSTALLING FLAT SLAB TOP.

PRECAST FLAT SLAB TOP SHALL CONFORM TO ARTICLES 505.01 THRU 505.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE STRENGTH SHALL BE 4,000 PSI AFTER 28 DAYS. REINFORCEMENT BARS AND WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.10. ONLY GRADE 60 REINFORCEMENT BARS WILL BE PERMITTED.

BOTTOM SLAB SHALL BE REINFORCED BY EITHER REINFORCEMENT BARS OR WELDED WIRE FABRIC. THE MINIMUM REINFORCEMENT SHALL BE 0.46 SQUARE INCH PER LINEAR FOOT IN BOTH DIRECTIONS.

JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL.

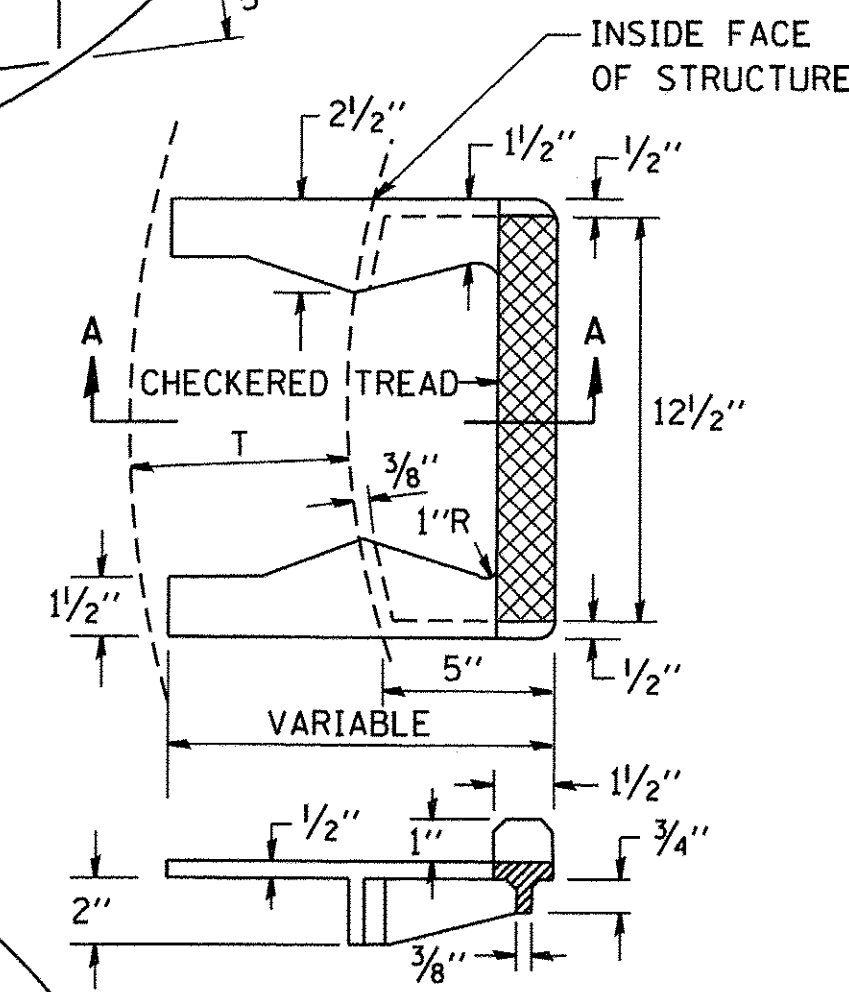
LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.



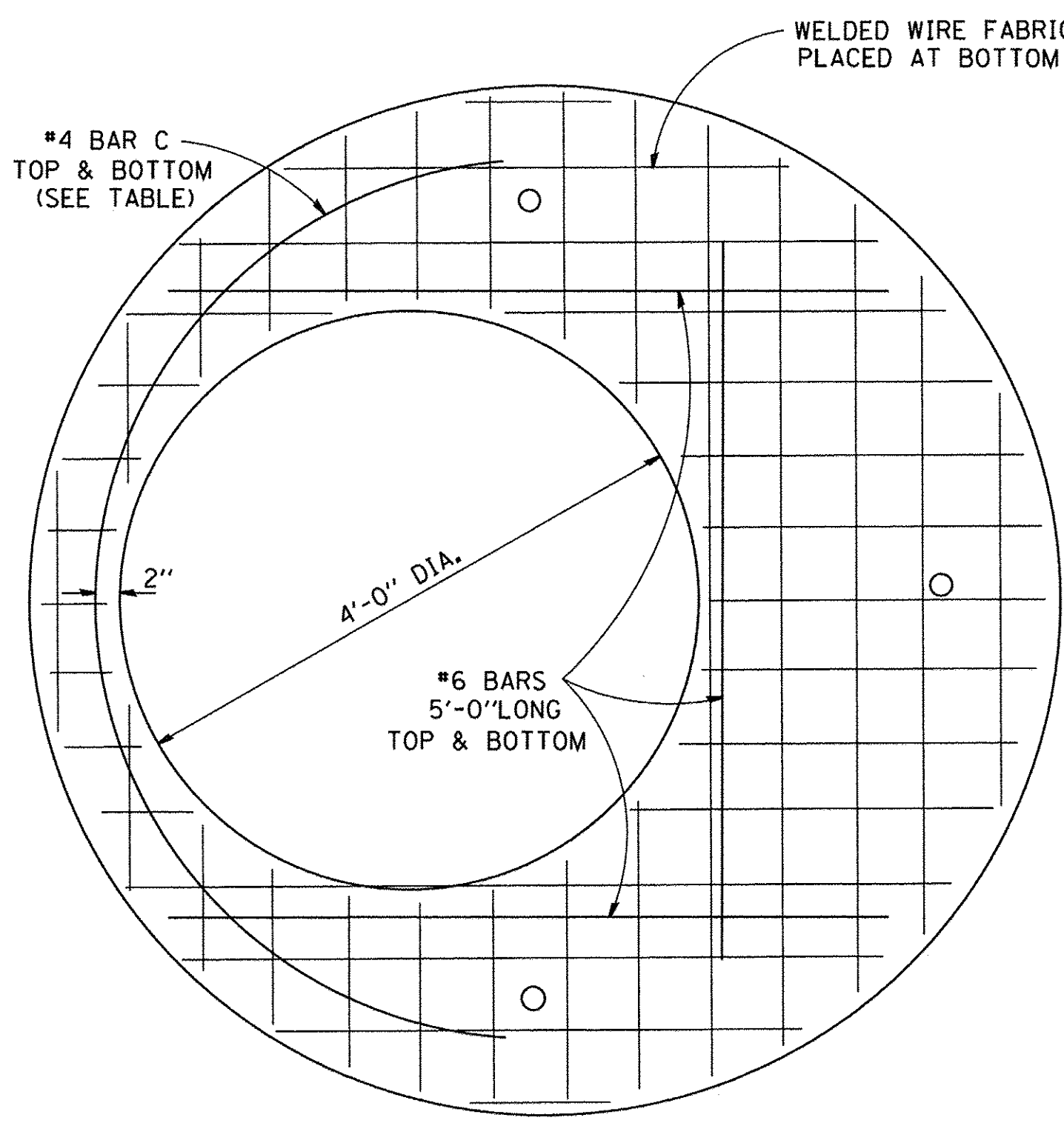
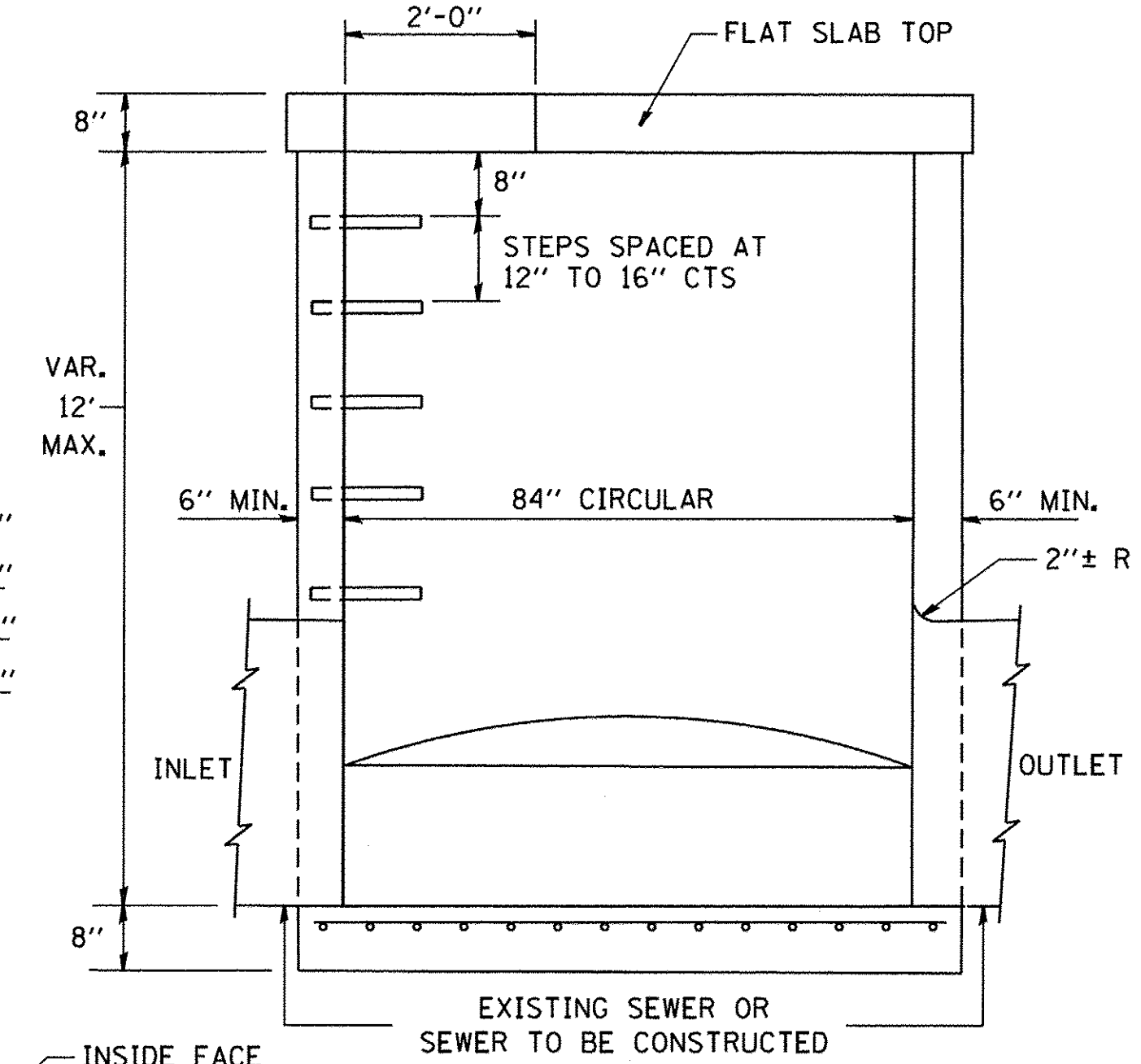
PLAN

SHOWING REBAR REINFORCEMENT

**SEC. A-A
CAST IRON STEPS**



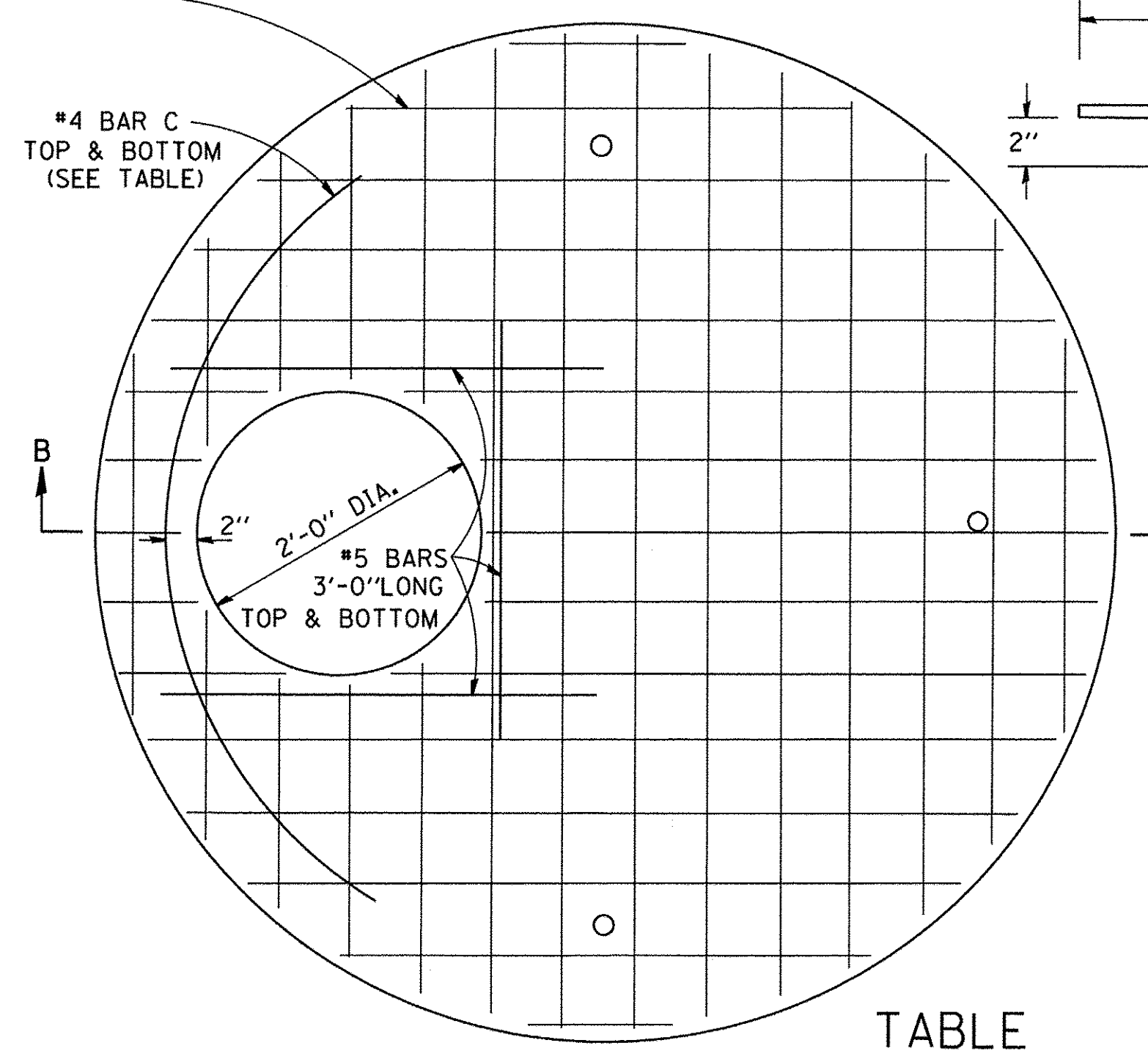
ELEVATION



PLAN

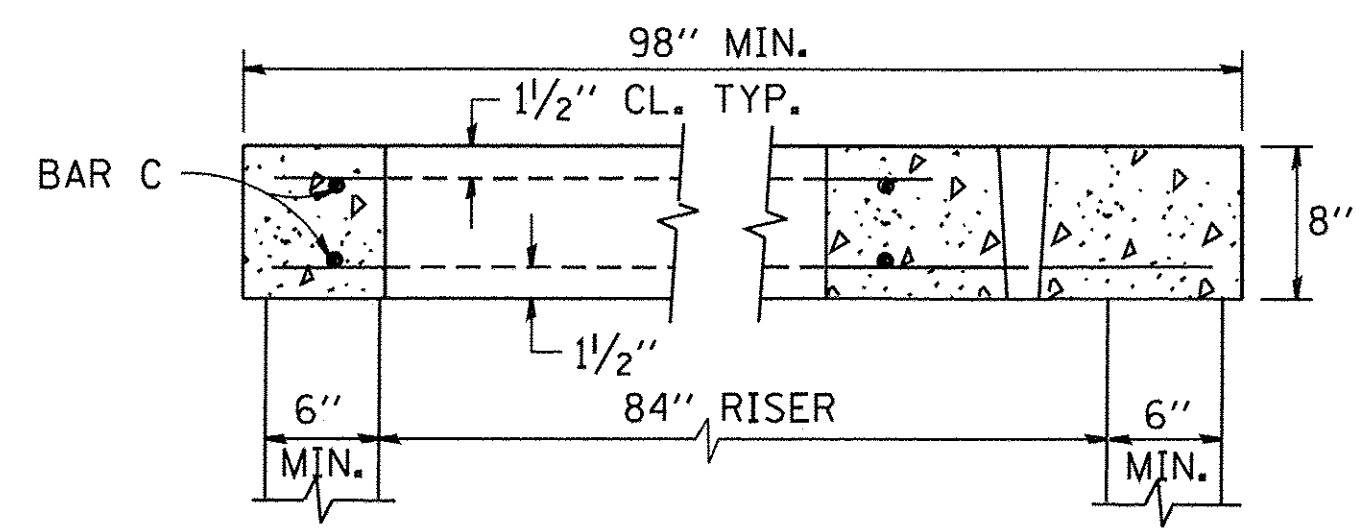
SHOWING WELDED WIRE FABRIC REINFORCEMENT

NOTE: THIS STRUCTURE SHOULD BE USED WITH PIPES SIZE 54" DIA. OR SMALLER.



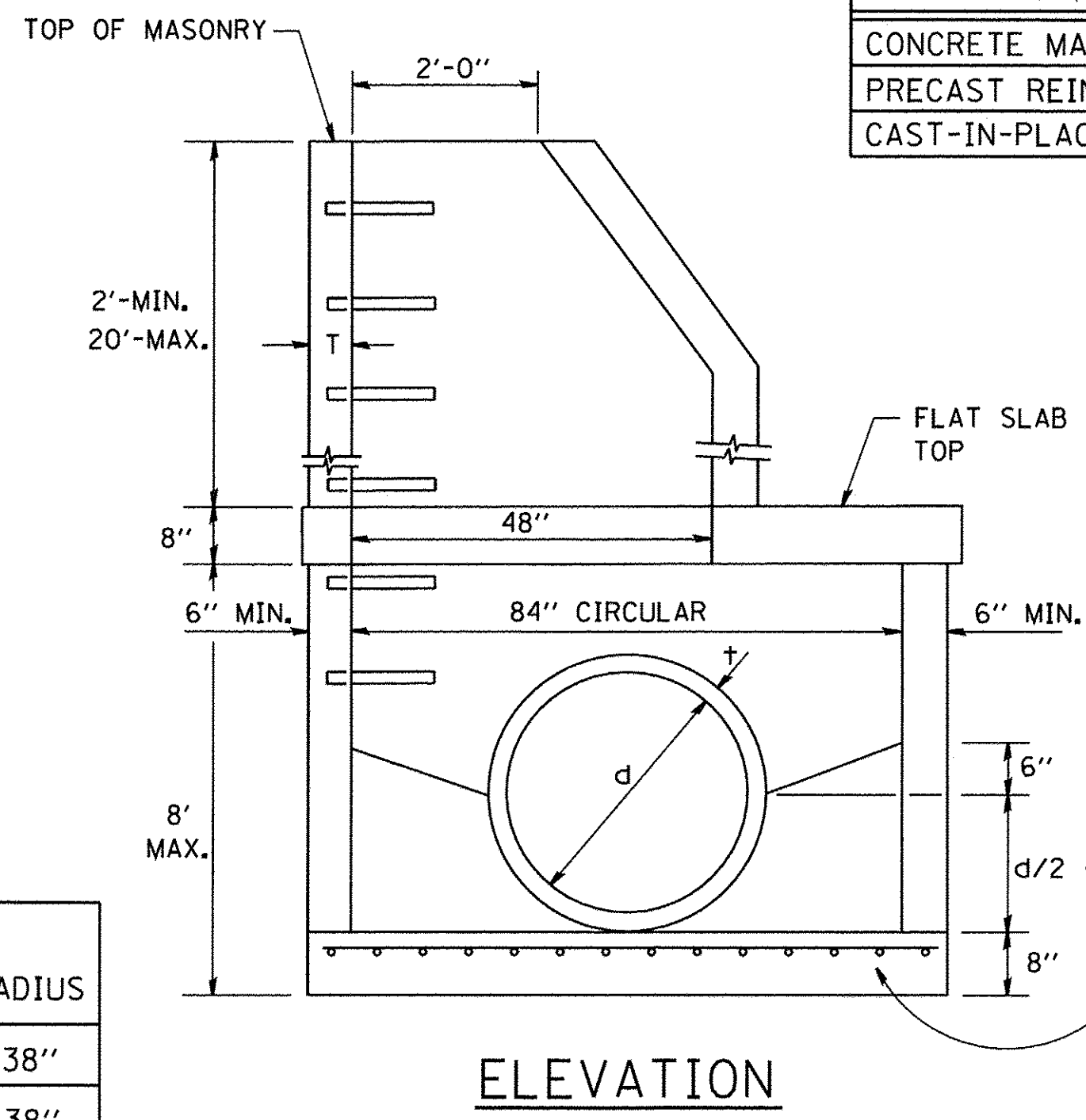
TABLE

DIAMETER OF OPENING	REINFORCEMENT "A _C " WWF OR EACH DIRECTION	BAR SIZE	BAR C		
			SIZE	LENGTH	RADIUS
2'-0"	1.06 SQ.IN./LIN.FT.	#6	#4	6'-0"	38"
4'-0"	0.82 SQ.IN./LIN.FT.	#6	#4	9'-0"	38"

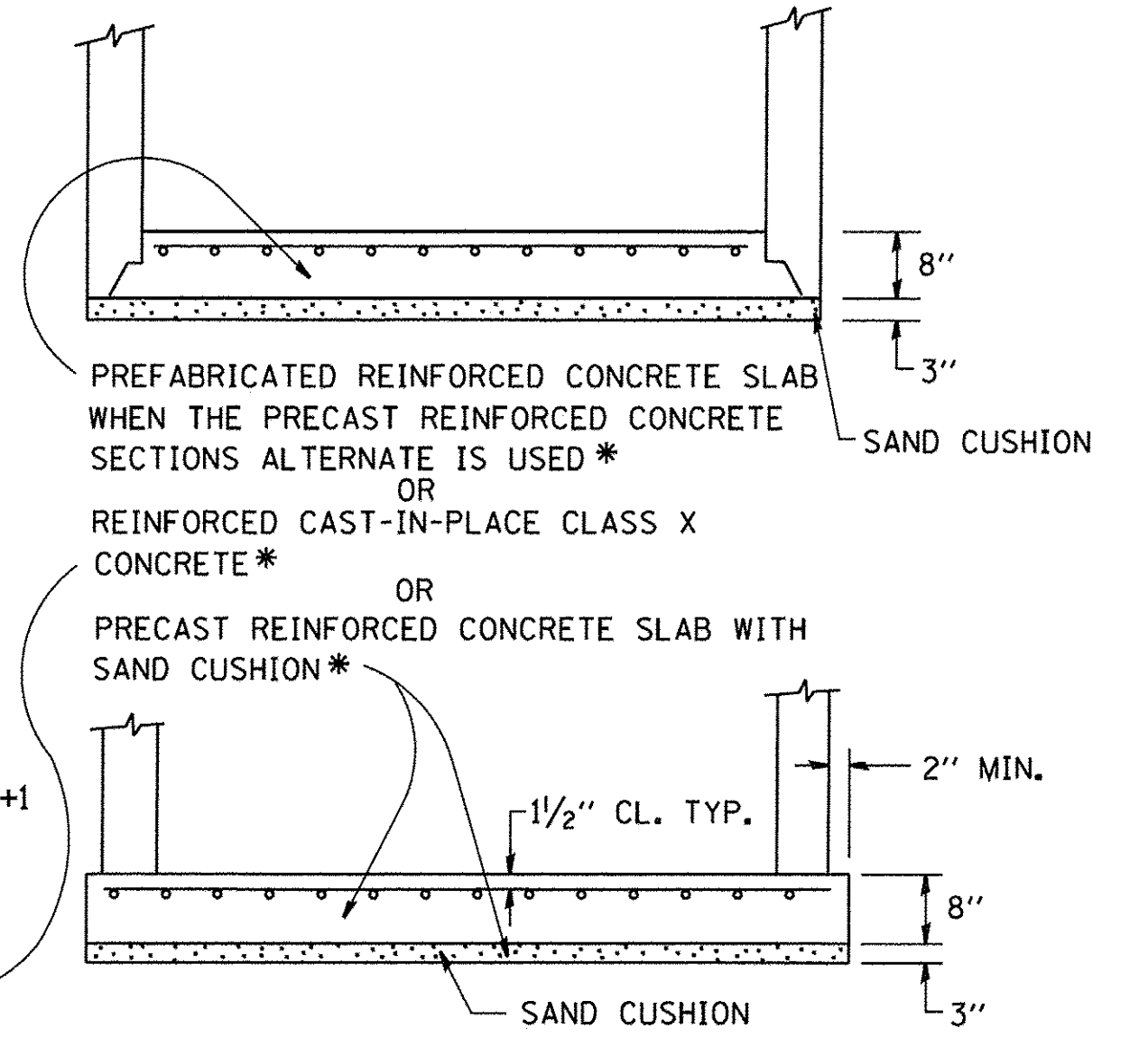


SECTION B-B

ALTERNATE MATERIALS FOR RISERS	T (MIN.)
CONCRETE MASONRY UNITS	5"
PRECAST REINFORCED CONCRETE SECTIONS	4"
CAST-IN-PLACE CONCRETE	6"



ELEVATION



FILE NAME = W:\distatd\22x34\bd37.dgn

USER NAME = goglionobt
 PLOT SCALE = 50.0000 / IN.
 PLOT DATE = 1/4/2008

DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 10-18-02

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MANHOLE TYPE A
 7 FOOT DIAMETER**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

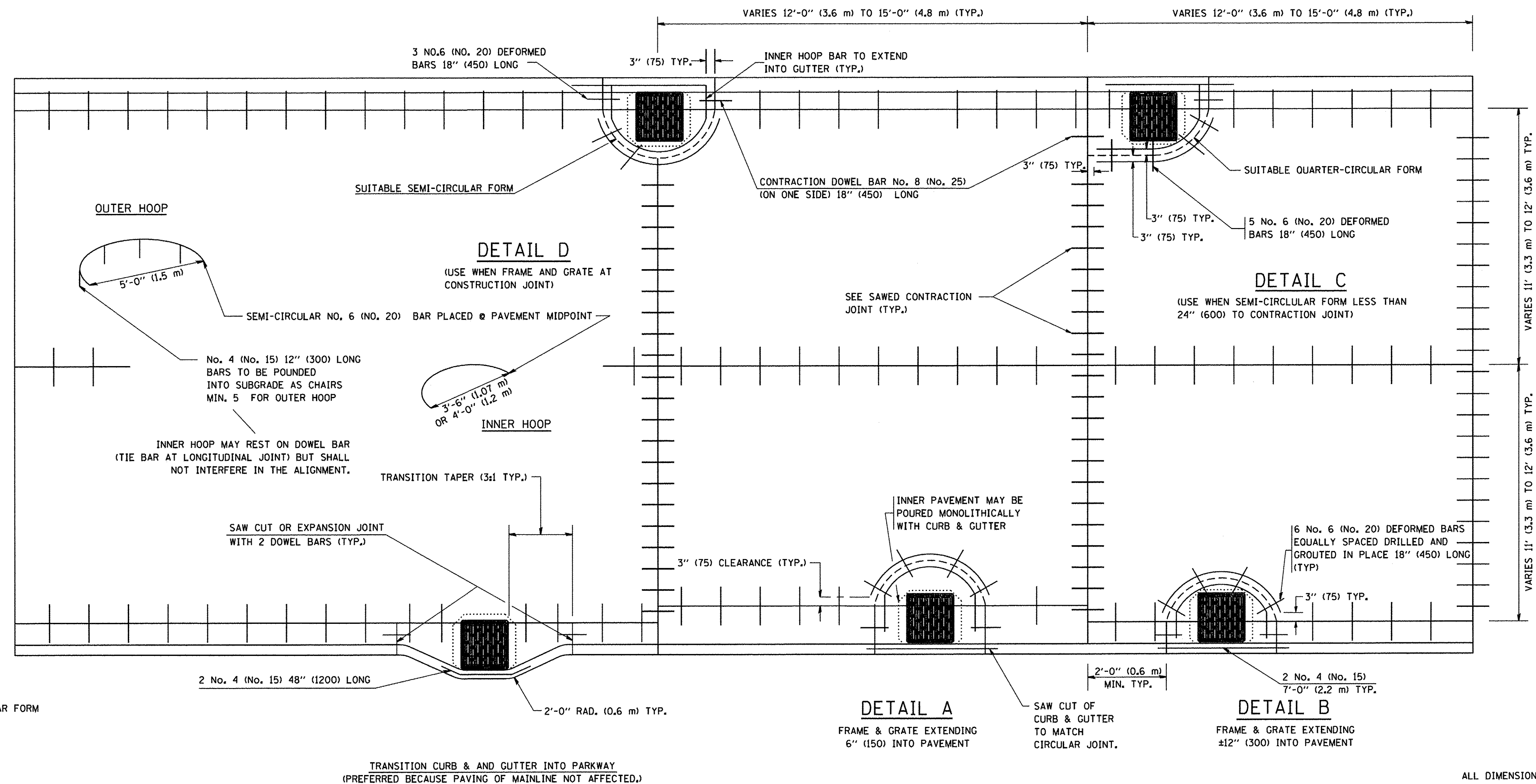
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	345
BD600-11 (BD-37)		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FRAME EXTENSION INTO PAVEMENT	INNER HOOP REINFORCEMENT DIAMETER	SEMI CIRCULAR FORM DIAMETER	OUTER HOOP REINFORCEMENT DIAMETER
UP TO 8" (200)	3'-6" (1.1 m)	4'-0" (1.2 m)	5'-0" (1.5 m)
> 8" (200) TO 14" (360)	4'-0" (1.2 m)	4'-6" (1.4 m)	5'-0" (1.5 m)

DESIGNER NOTE:
THIS DETAIL IS TO BE USED WHEN THE GUTTER FLAG IS LESS THAN 24"

NOTES:

1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.
2. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT, EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
3. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF TIE BARS.
4. ALL REINFORCED BARS SHALL BE EPOXY COATED.
5. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.
6. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
7. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
8. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
9. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.

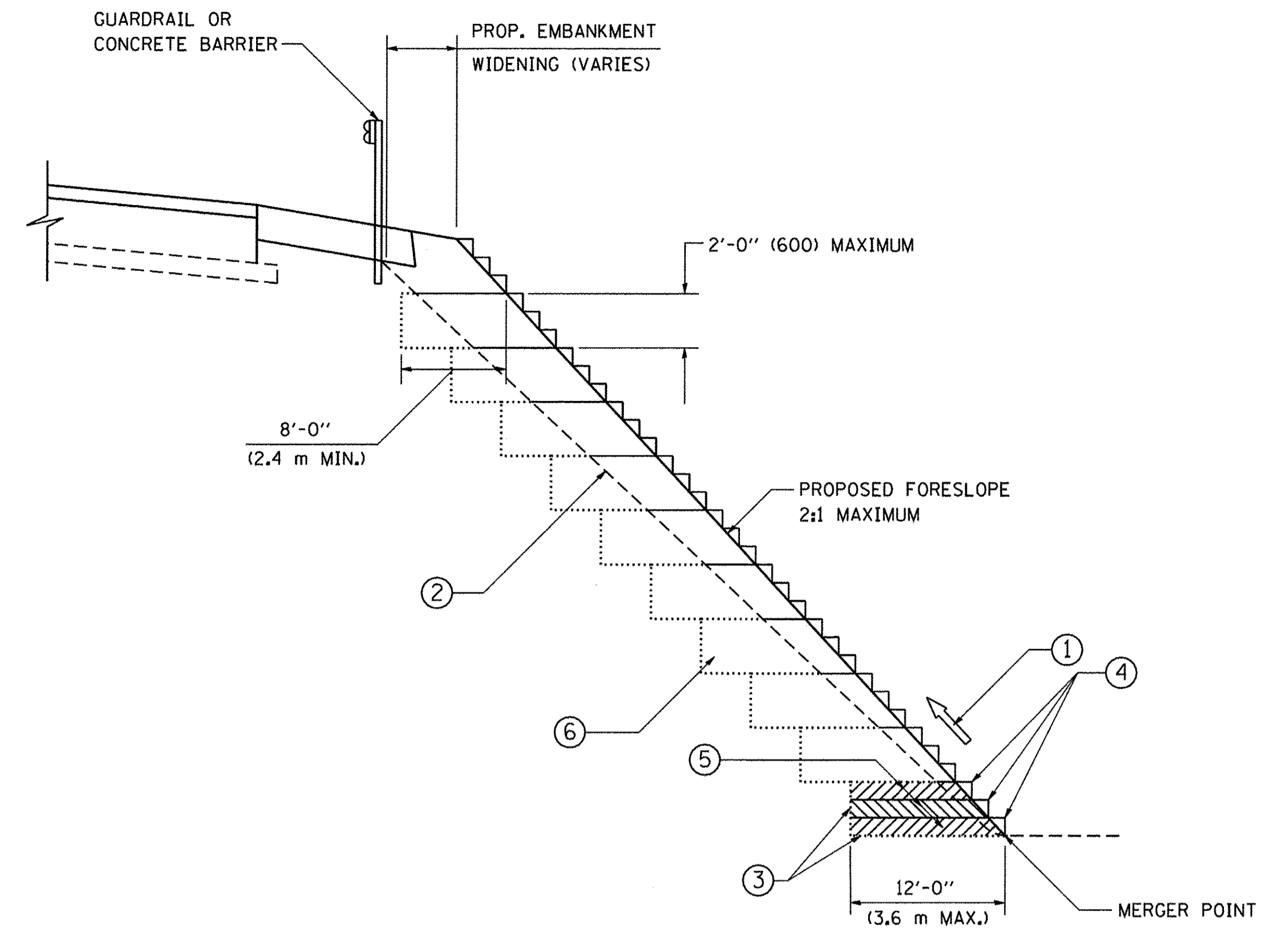


LEGEND:

- CASTING
- SUITABLE SEMI-CIRCULAR FORM

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

FILE NAME = W:\diststd\22x34\bd48.dgn	USER NAME = geglianobt	DESIGNED - A. ABBAS	REVISED - T. MATOUSEK 08-28-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PCC PAVEMENT ROUNDOUTS AT CURB AND GUTTER			F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 346
	PLOT SCALE = 50,0000' / IN.	DRAWN - TOM MATOUSEK	REVISED - T. MATOUSEK 10-02-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD-48		CONTRACT NO.	
	PLOT DATE = 1/4/2008	CHECKED - A. ABBAS	REVISED - T. MATOUSEK 04-25-02						FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT	
		DATE - 01-04-99	REVISED - P. LAFLEUR 08-27-02									



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL
FOR EMBANKMENT WIDENING

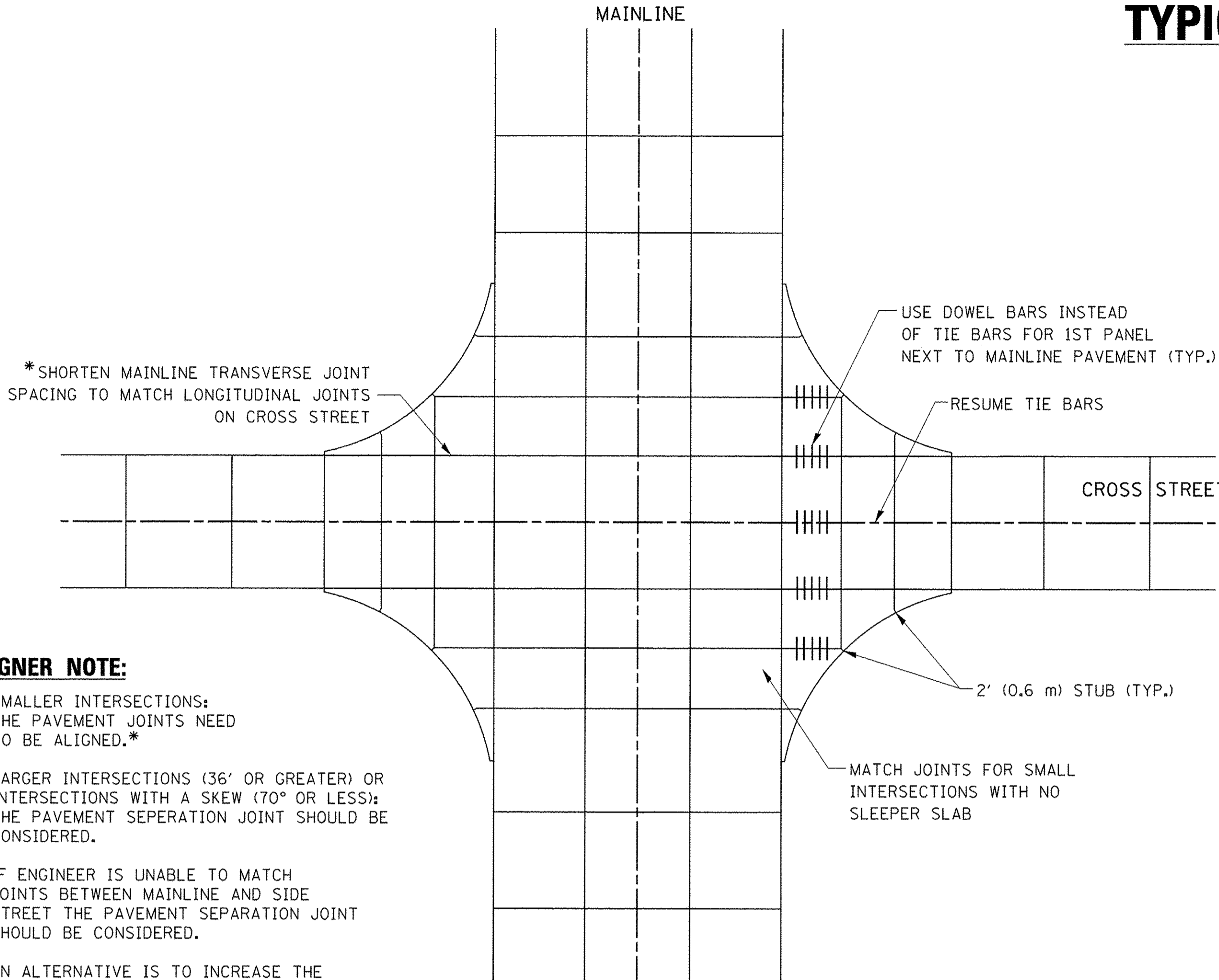
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	347
BD-51			CONTRACT NO.	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

FILE NAME = W:\dststd\22x34\bd51.dgn	USER NAME = goglianobt	DESIGNED -	REVISED -
		DRAWN - CADD	REVISED -
		CHECKED - S.E.B.	REVISED -
		DATE - 06-16-04	REVISED -

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

TYPICAL APPLICATION

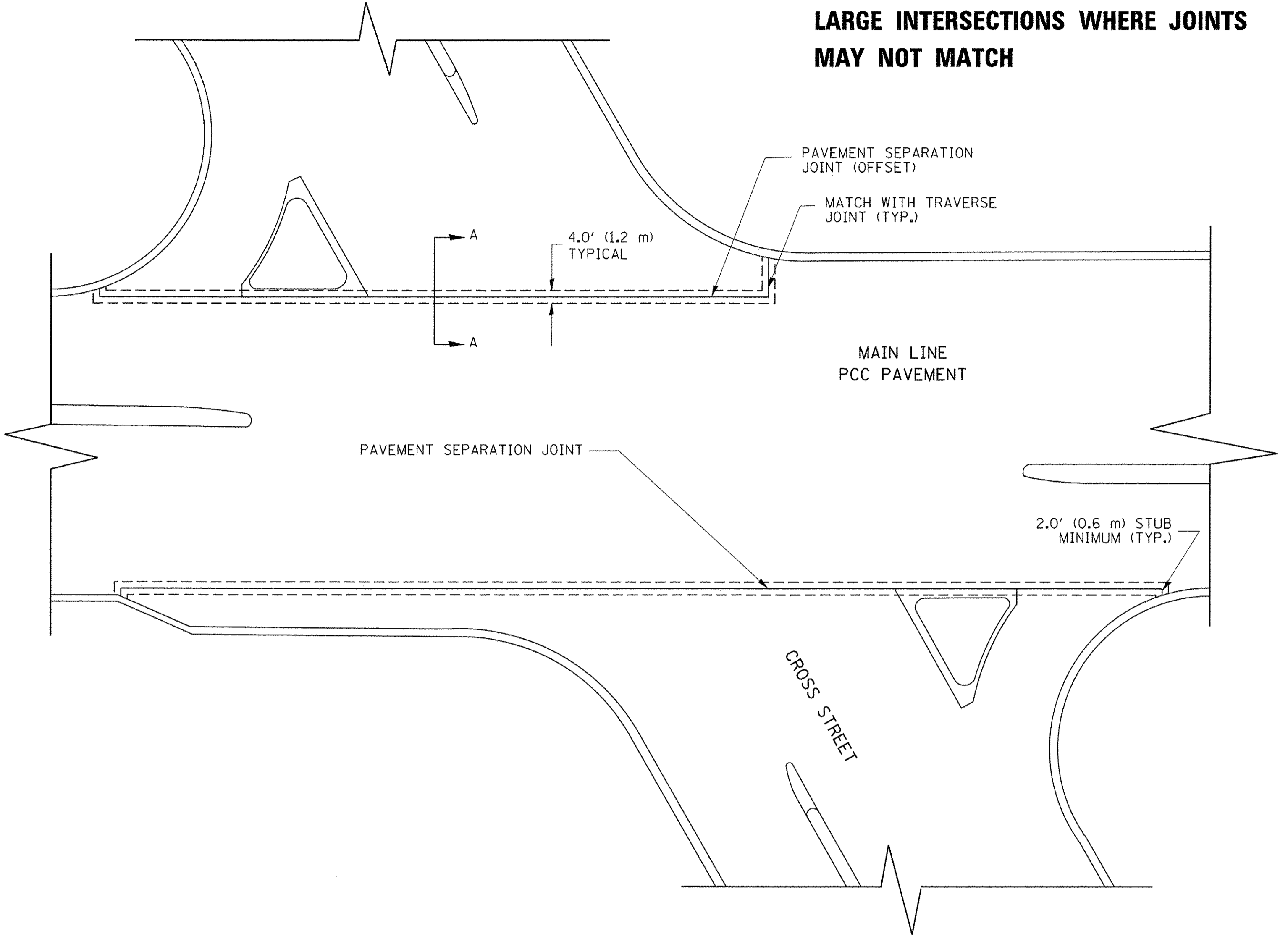
THE USE OF CROSS STREET PAVEMENT SEPARATION JOINTS FOR SKEWED OR LARGE INTERSECTIONS WHERE JOINTS MAY NOT MATCH



PLAN

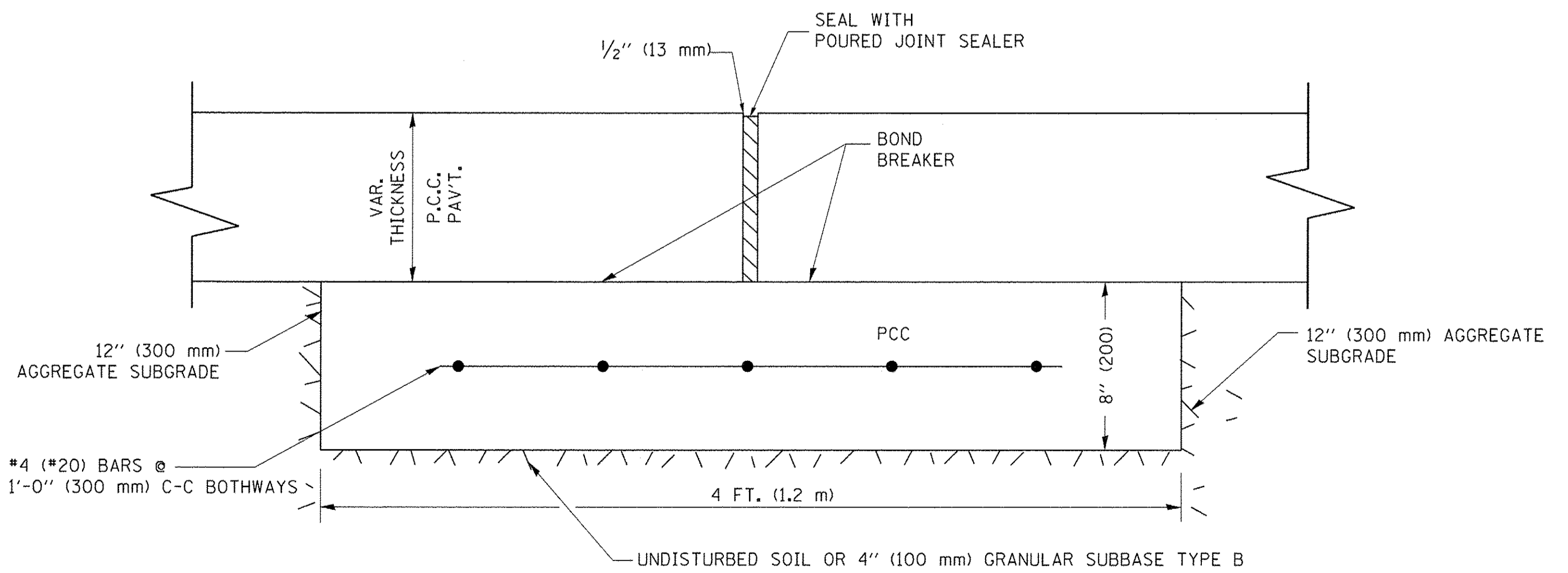
DESIGNER NOTE:

1. SMALLER INTERSECTIONS: THE PAVEMENT JOINTS NEED TO BE ALIGNED.*
2. LARGER INTERSECTIONS (36' OR GREATER) OR INTERSECTIONS WITH A SKEW (70° OR LESS): THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
3. IF ENGINEER IS UNABLE TO MATCH JOINTS BETWEEN MAINLINE AND SIDE STREET THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
4. AN ALTERNATIVE IS TO INCREASE THE PAVEMENT THICKNESSES BY 1/2" (13 mm) FOR THE LENGTH OF THE AFFECTED PANELS AT THE INTERSECTION.
5. FOR LARGE INTERSECTIONS (6 LANES OR MORE) WHERE JOINTS CAN BE MATCHED, USE #8 (25) DOWEL BARS INSTEAD OF #8 (25) TIE BARS AT EDGE OF MAINLINE PAVEMENT WHEN NO PAVEMENT SEPERATION JOINTS USED.



NOTE:

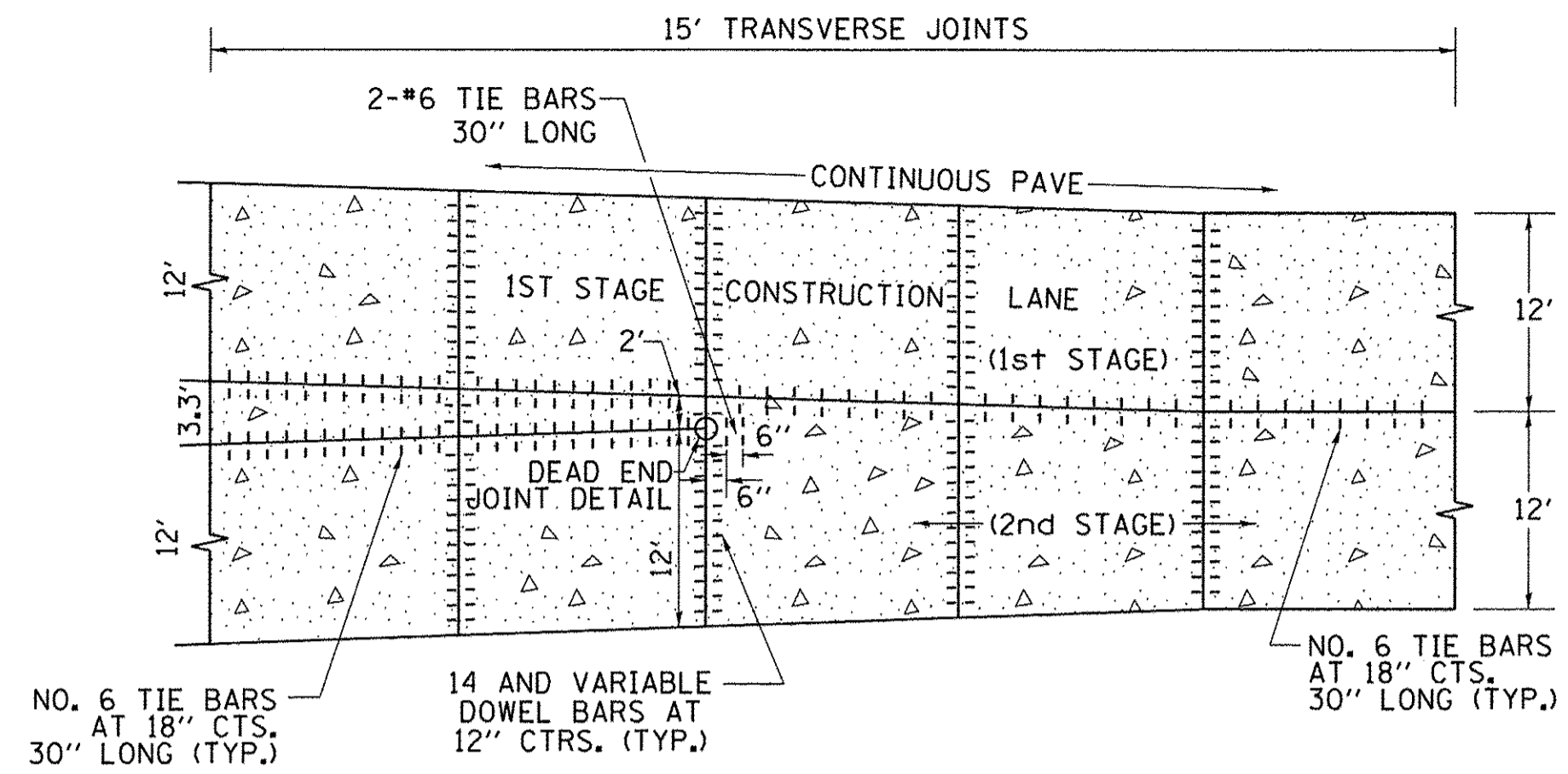
1. JOINT FILLER SHALL CONSIST OF A SHEET OF 1/2" (13 mm) BITUMINOUS PREFORMED FIBER JOINT FILLER CONFORMING TO ARTICLE 1051.03 OF THE STANDARD SPECIFICATIONS.
2. THE JOINT SHALL BE SEALED WITH A HOT POUR JOINT SEALER CONFORMING TO ARTICLE 1050.02 OF THE STANDARD SPECIFICATIONS.
3. A SINGLE LAYER OF FELT ROOFING PAPER SHALL SERVE AS A BOND BREAKER.
4. JOINT SHALL CONTINUE THROUGH COMBINATION CURB & GUTTER OR PCC SHOULDER.
5. PAVEMENT SEPARATION JOINT IS TO BE PAID FOR AS "SLEEPER SLAB" AND IS TO BE MEASURED IN PLACE BY THE LINEAL FOOT.
6. BOND BREAKER AND 1/2" (13 mm) JOINT AND FILLER SHALL BE INCIDENTAL TO THE PAY ITEM "SLEEPER SLAB".



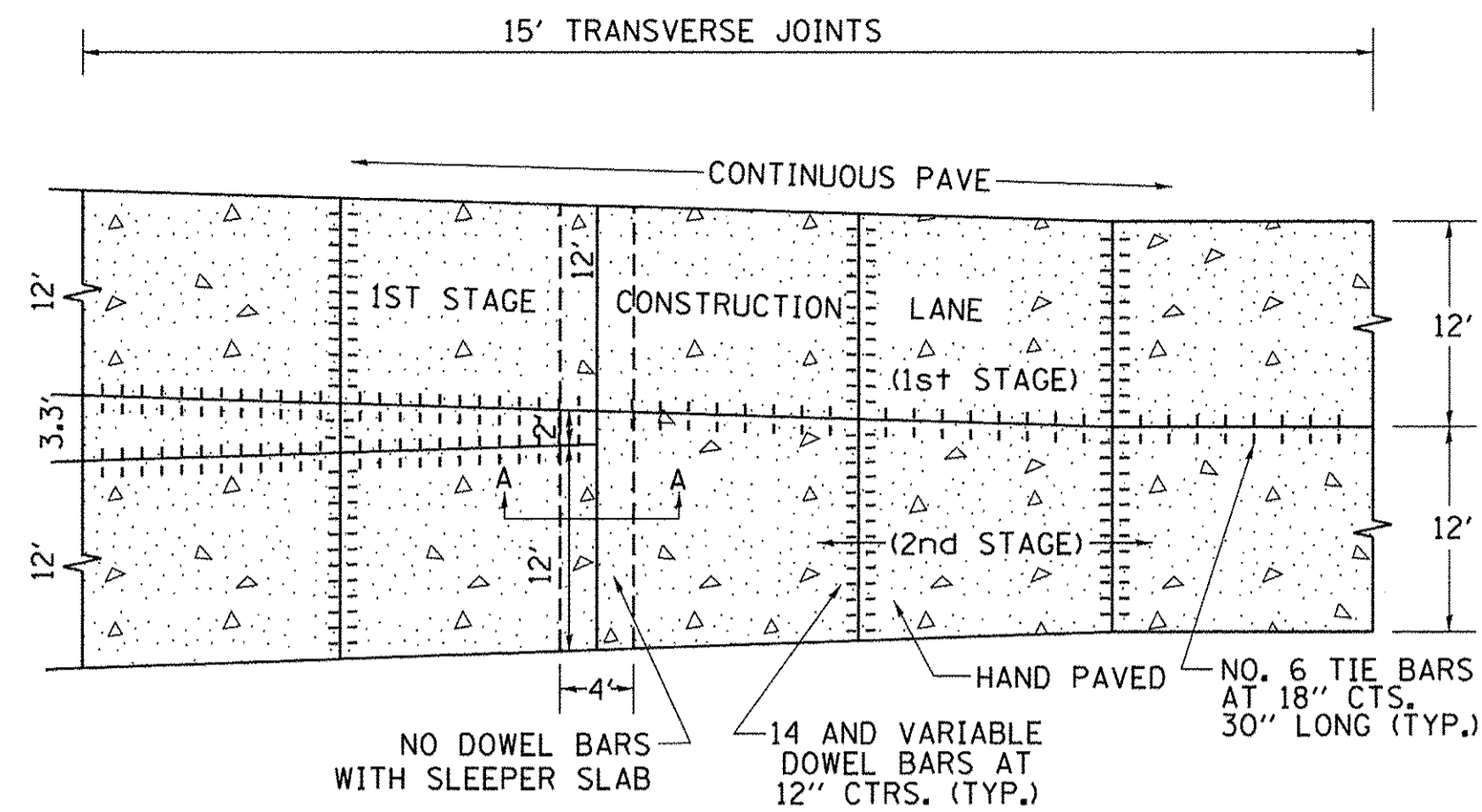
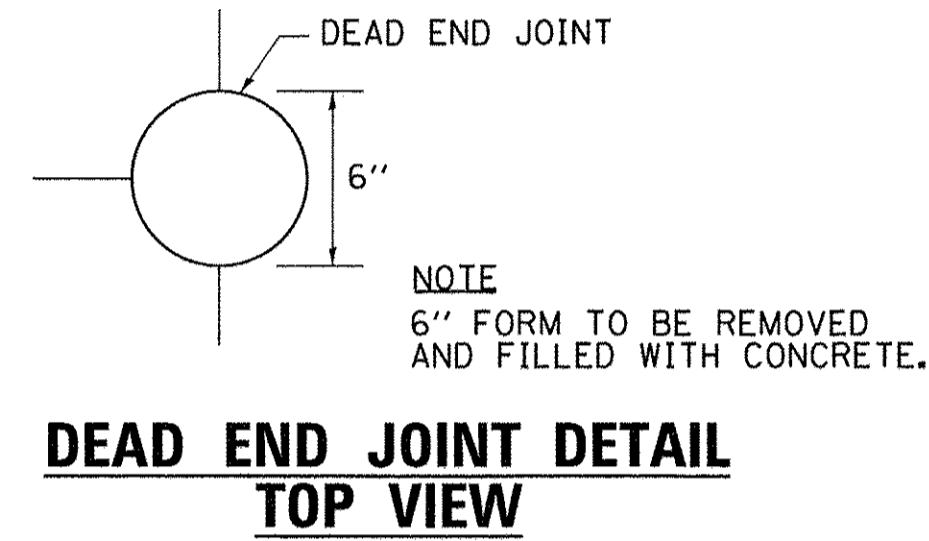
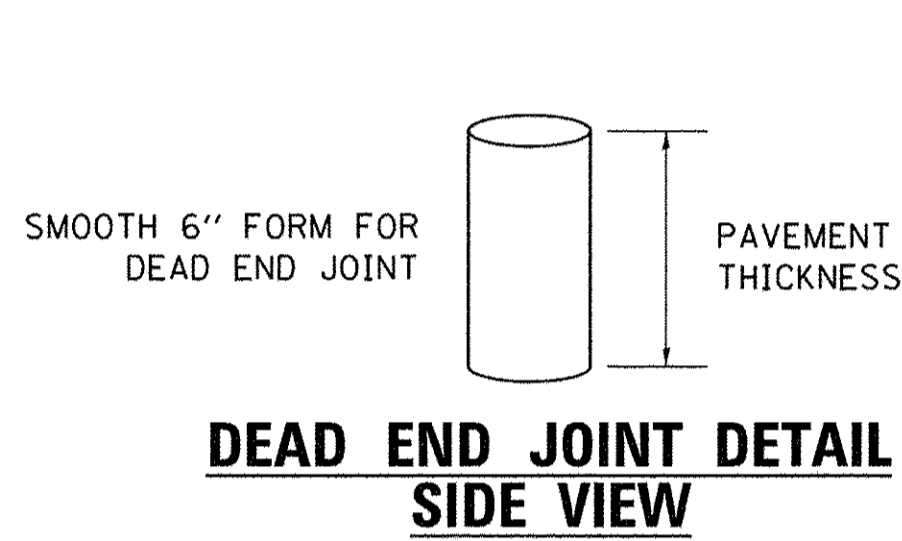
PROPOSED SECTION A-A

FILE NAME = bd52.dgn	USER NAME = lsgso	DESIGNED - DRAWN -	REVISED - REVISED -	CADD 06-18-10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS			F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 348
	PLOT SCALE = 49,9999" / IN.	CHECKED -	REVISED -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD52		CONTRACT NO.	
	PLOT DATE = 2/25/2011	DATE -	REVISED -			ILLINOIS FED. AID PROJECT							

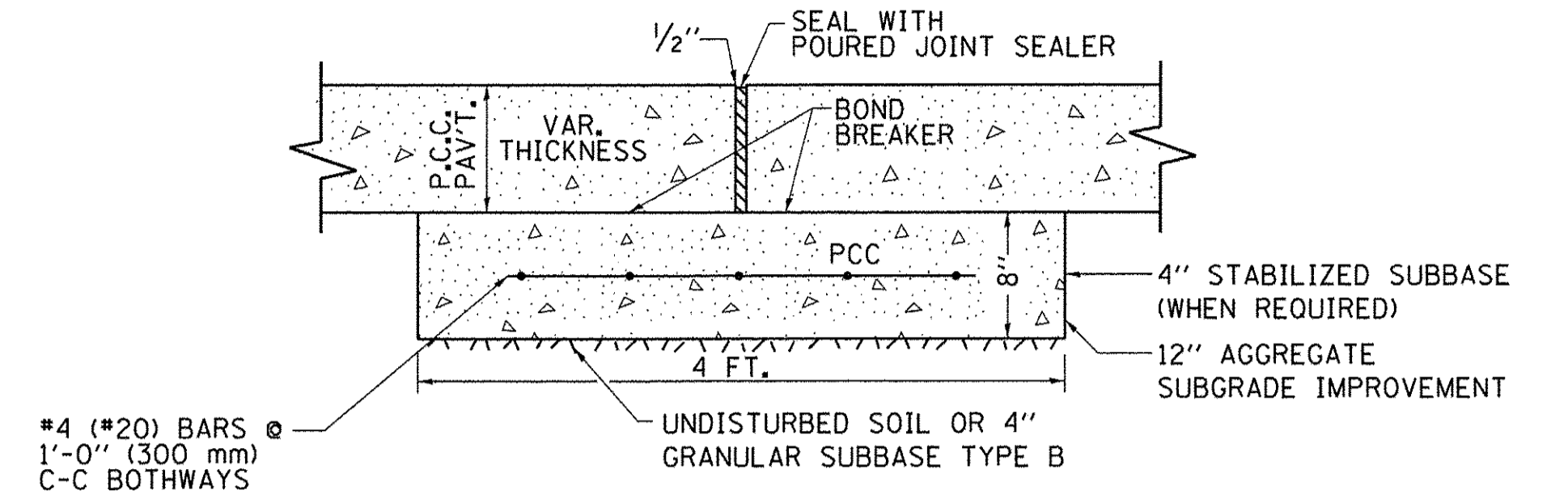
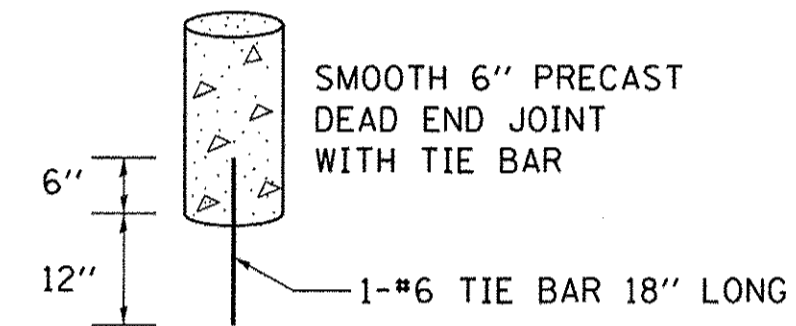
LANE REDUCTION WITH A CONTINUOUS PAVEMENT FOR 1ST STAGE WITH DEAD END JOINT OR SLEEPER SLAB



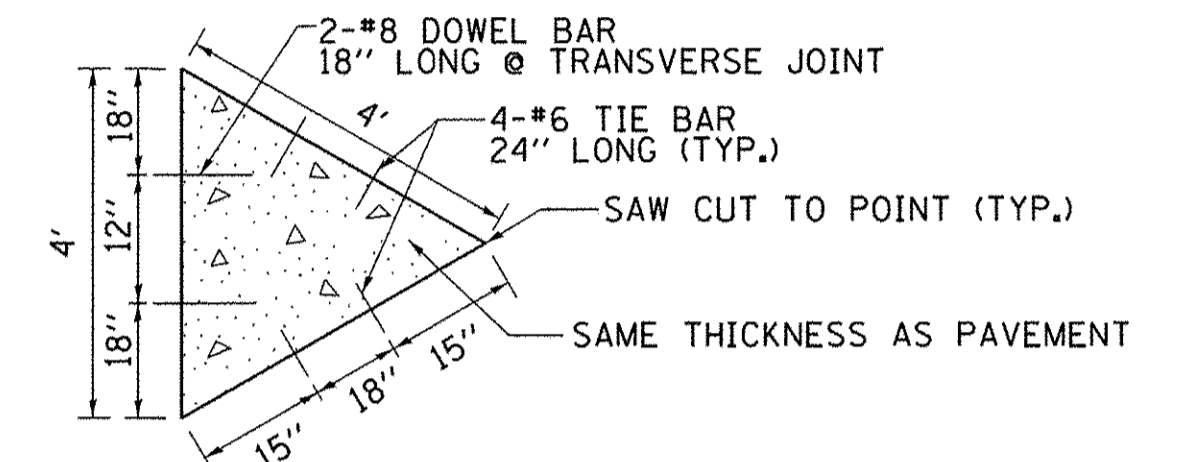
PLAN



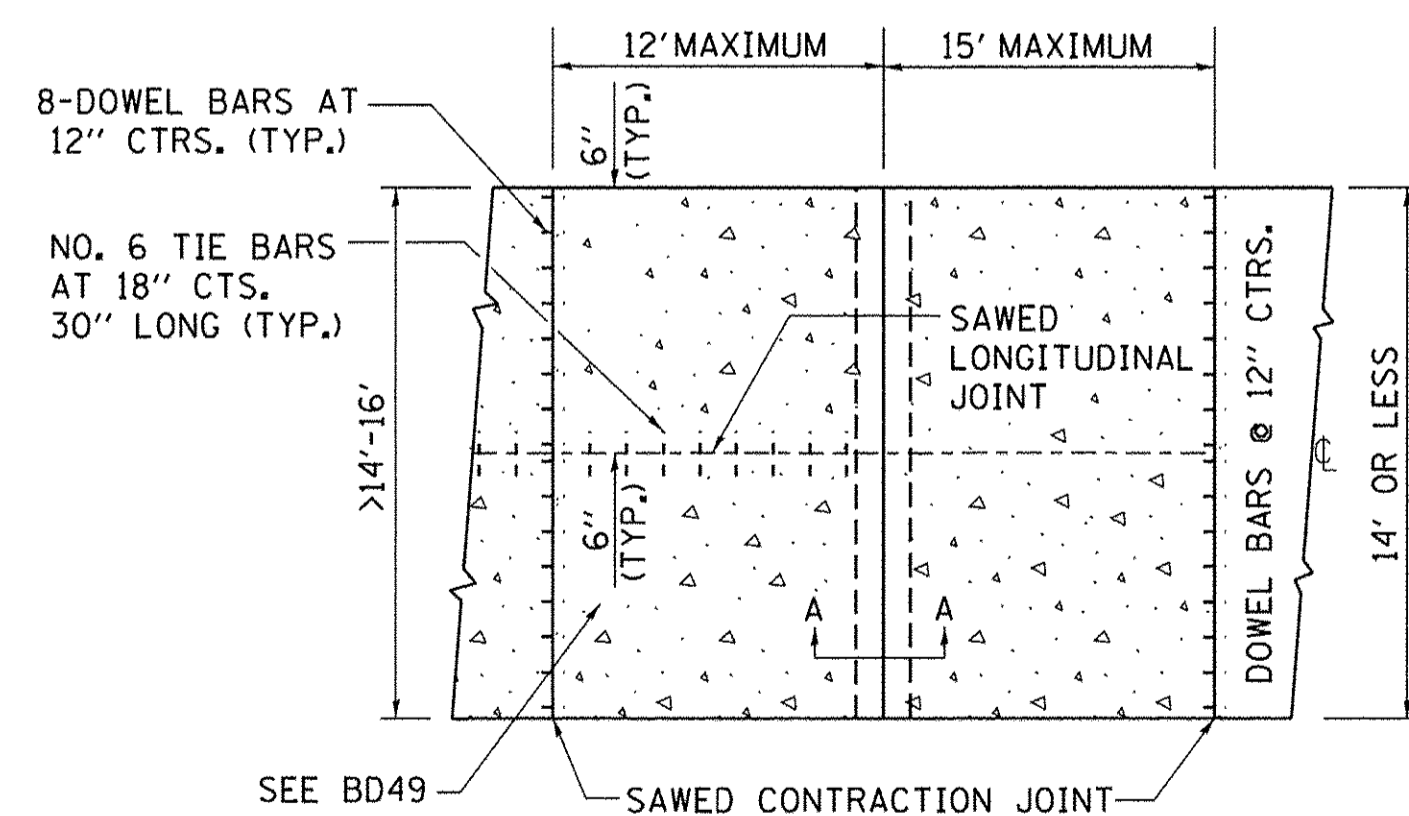
PLAN



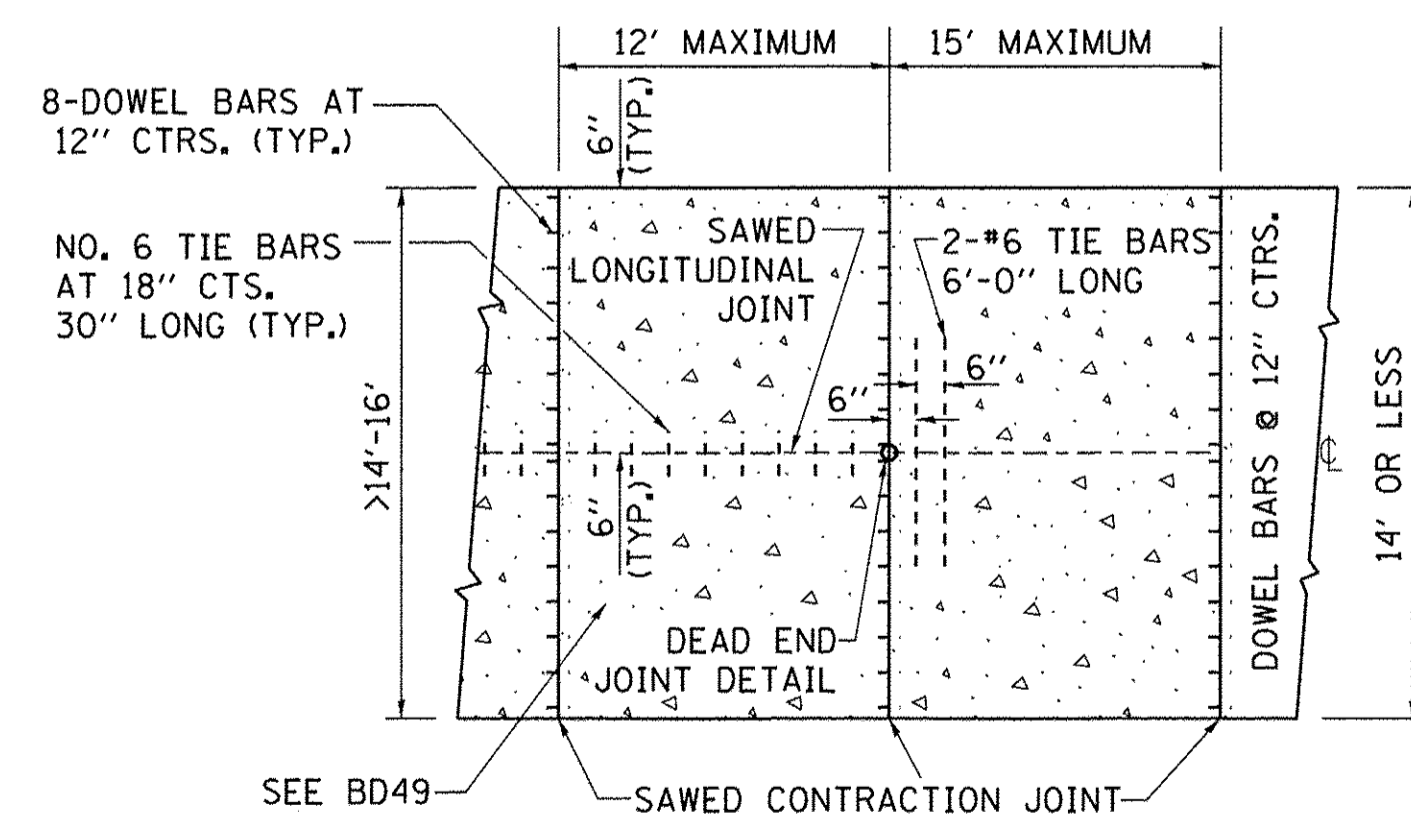
PROPOSED SECTION A-A OF SLEEPER SLAB



TRANSITION DETAILS FOR CENTERLINE SAW CUT FOR DEAD END JOINT OR SLEEPER SLAB FOR VARIABLE JOINTED PCC PAVEMENT FOR LANES OVER 14'

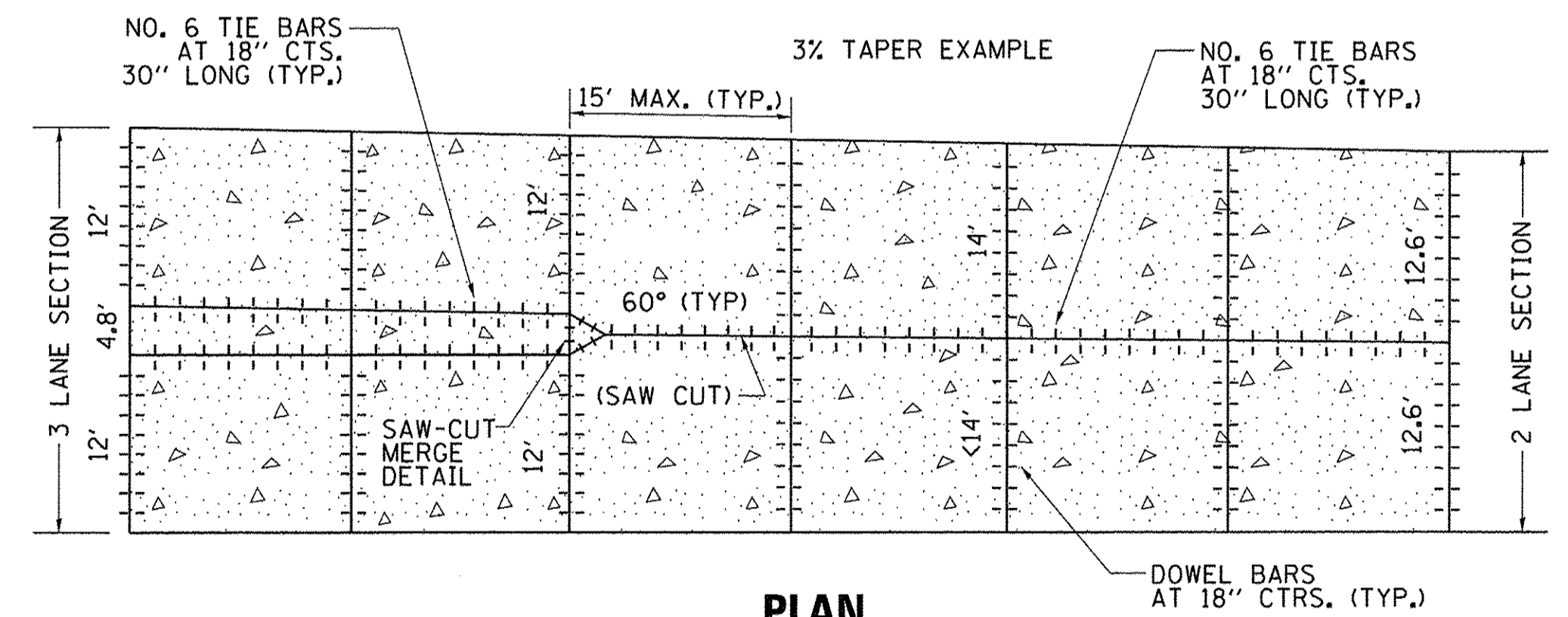


PLAN USING SLEEPER SLAB



PLAN USING DEAD END JOINT

INTERIOR LANE REDUCTION FOR THREE LANE SECTION IN PCC PAVEMENT

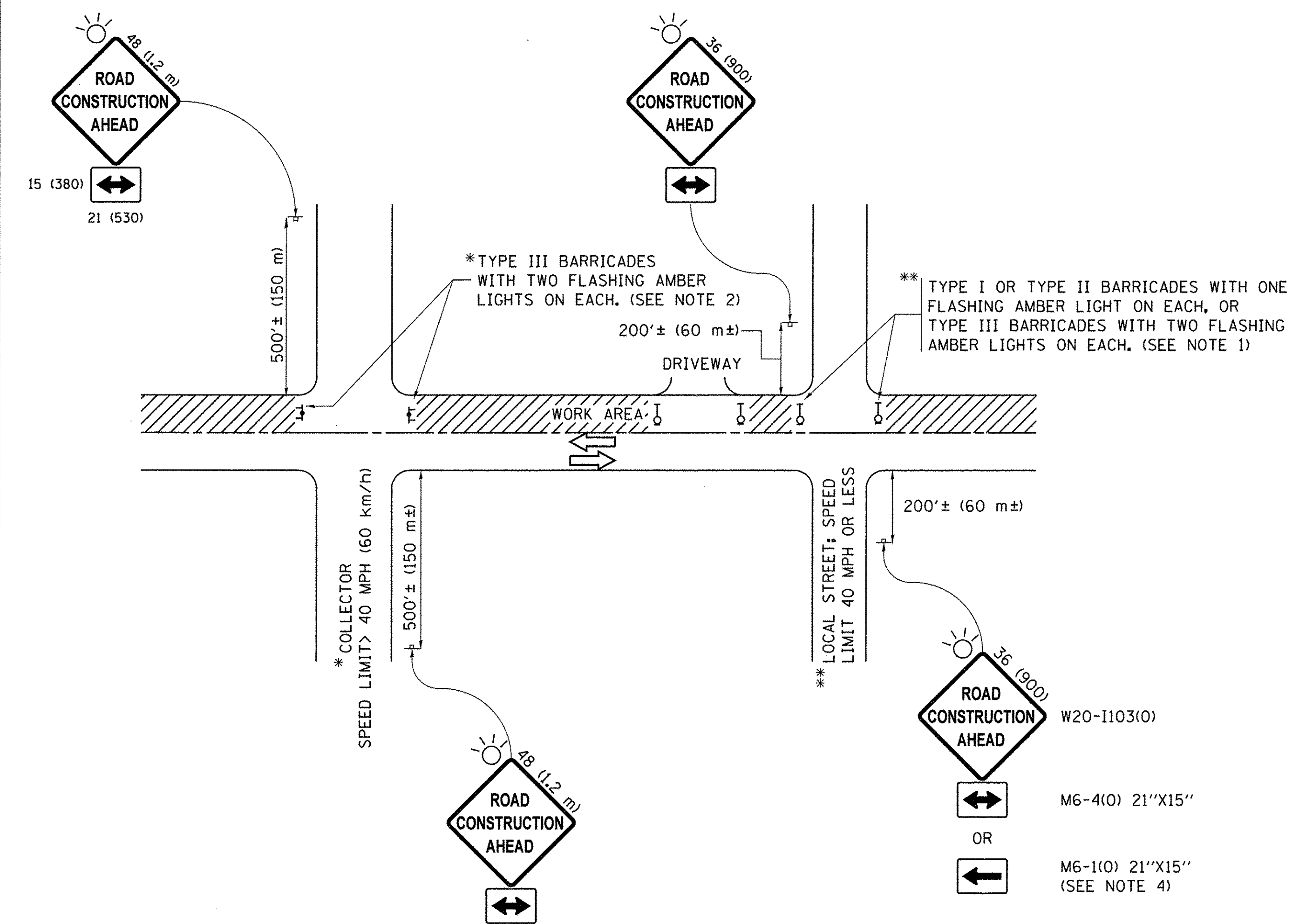


PLAN

NOTES:

1. SAW-CUT MERGE DETAIL: THE 4' TRIANGLE SECTION COULD BE PRECAST OR CAST INPLACE AND PROPERLY PLACED WITH TIE BARS AND PROPERLY ALIGNED DOWEL BARS.
2. TRANSVERSE JOINT SPACING MAY DECREASE DEPENDING ON PAVEMENT THICKNESS BELOW 9.5". USE FORMULA JOINT SPACING IN (FT) = 2 X PAVEMENT THICKNESS IN (IN) - 4.
3. USE SAW-CUT MERGE DETAIL IN SITUATIONS WHERE THERE IS NO STAGING.
4. PRECAST DEAD END JOINT SET IN PLACE WITH DRILLED HOLE INTO SUBBASE/SUBGRADE FOR #6 TIE BAR.
5. DEAD END JOINTS WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PCC PAVEMENT.
6. SLEEPER SLAB WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR SLEEPER SLAB.

FILE NAME =	USER NAME = drivekogn	DESIGNED - TGM, EAJ	REVISED - CADD 05-02-12	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF VARIOUS TYPES OF LANE REDUCTION FOR PCC PAVEMENT	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\j\084EBIDINTEG\illinois.gov\PIWDDT\Documents\IDOT Offices\District 1\Projects\Dist 1\Drawn\CADD\Drawings\bd53.dgn	DRAWN\CADD\Drawings\bd53.dgn	CHECKED - JD	REVISED - CADD 11-02-15			2298	13-00215-10-PV	KANE	477	349
PLOT SCALE = 50.0000' / in.	DATE - 03/07/12	REVISED -	REVISED -			BD53		CONTRACT NO.		
Default	PLOT DATE = 11/2/2015	DATE - 03/07/12	REVISED -			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\il\084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\Dist	DRAWN	CADDData\CADsheets\tcl0.dgn	REVISED - T. RAMMACHER 01-06-00			2298	13-00215-10-PV	KANE	477	350
Default	PLOT SCALE = 50.000 1/ in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13			TC-10		CONTRACT NO.		
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

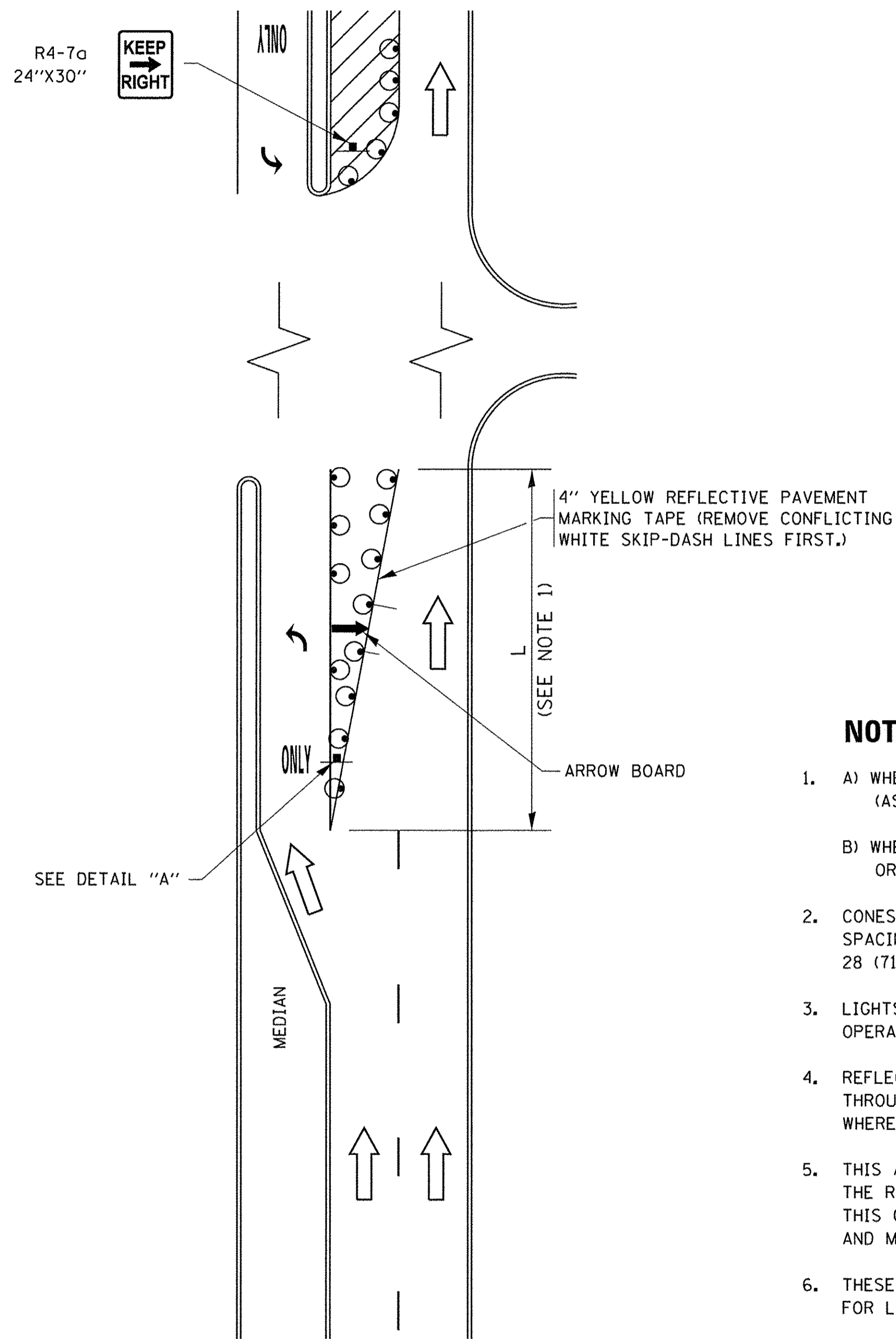


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

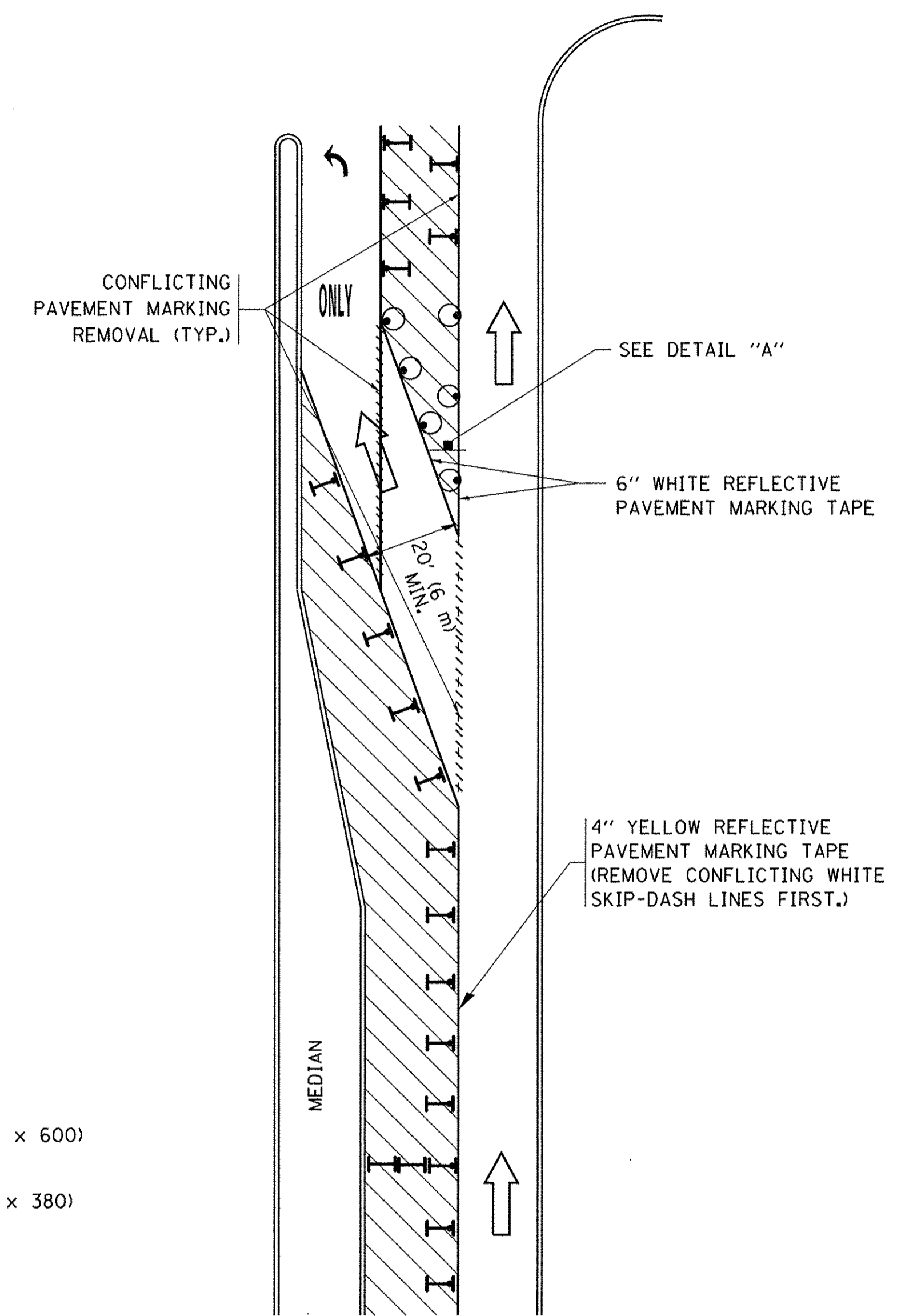


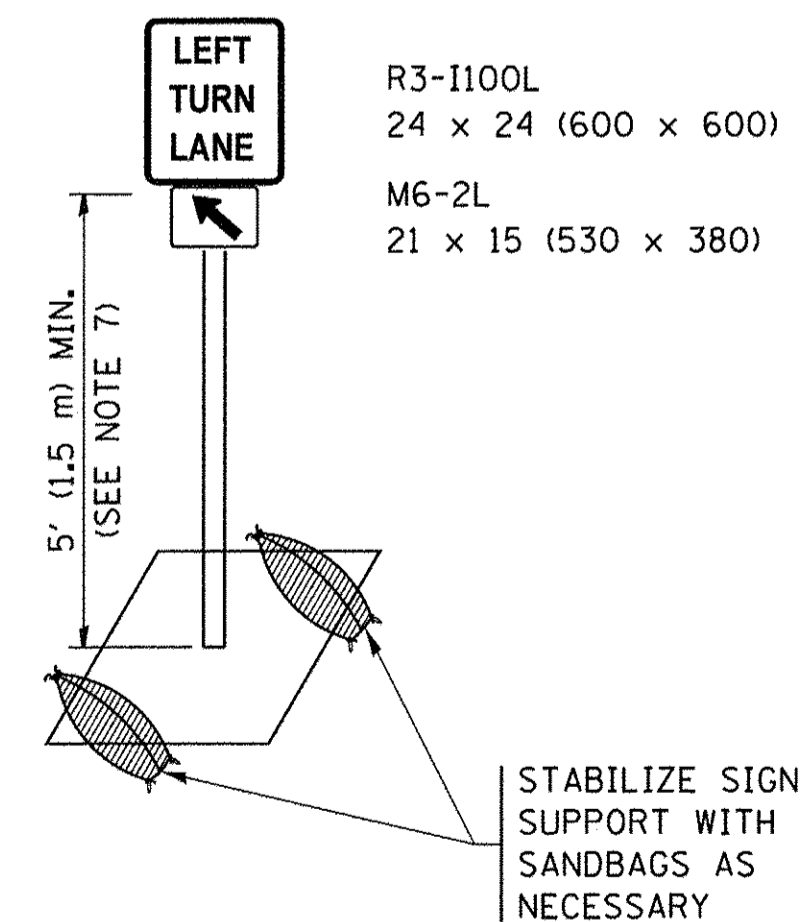
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



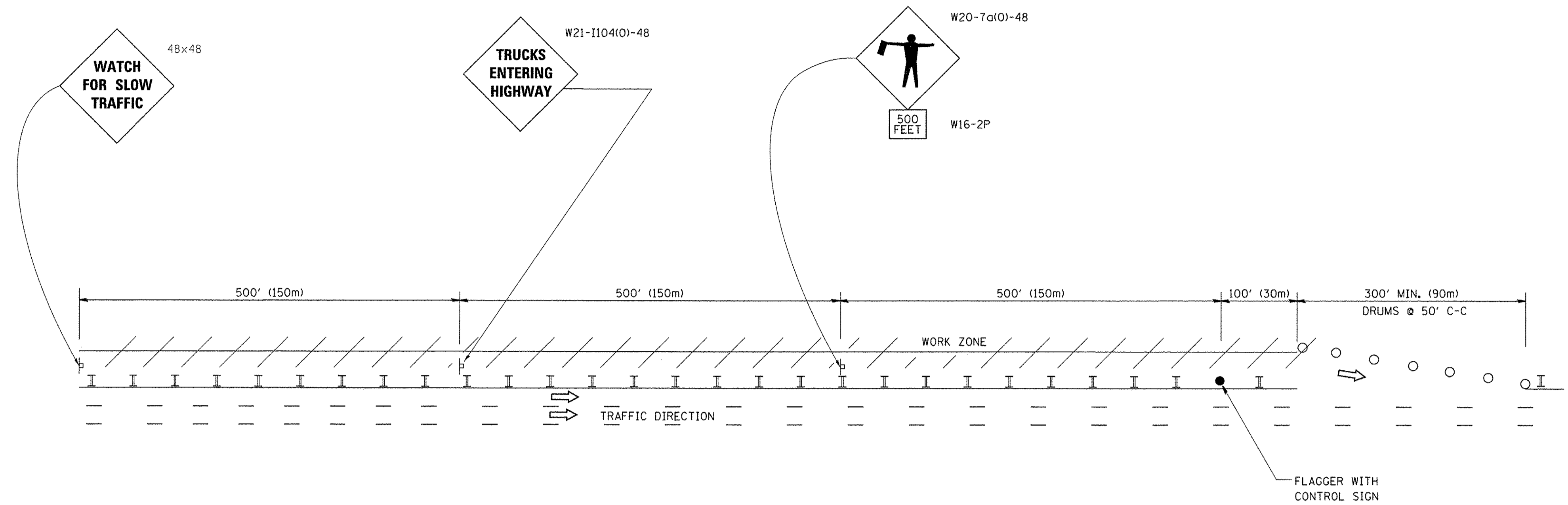
DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

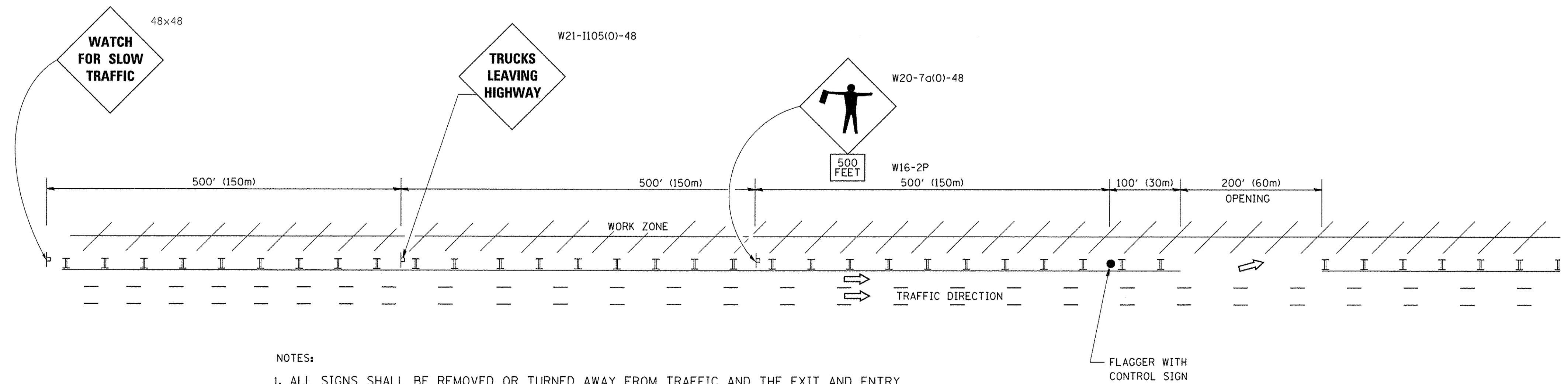
FILE NAME =	USER NAME = footemj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		REVISED - A. HOUSEH 10-07-95	REVISED - A. SCHUETZE 07-01-13			2298	13-00215-10-PV	KANE	477	352	
	PLOT SCALE = 50.0000' / 1"	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO.			
	PLOT DATE = 9/15/2016	REVISED - T. RAMMACHER 01-06-00	REVISED -			SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.	
						ILLINOIS FED. AID PROJECT					

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING

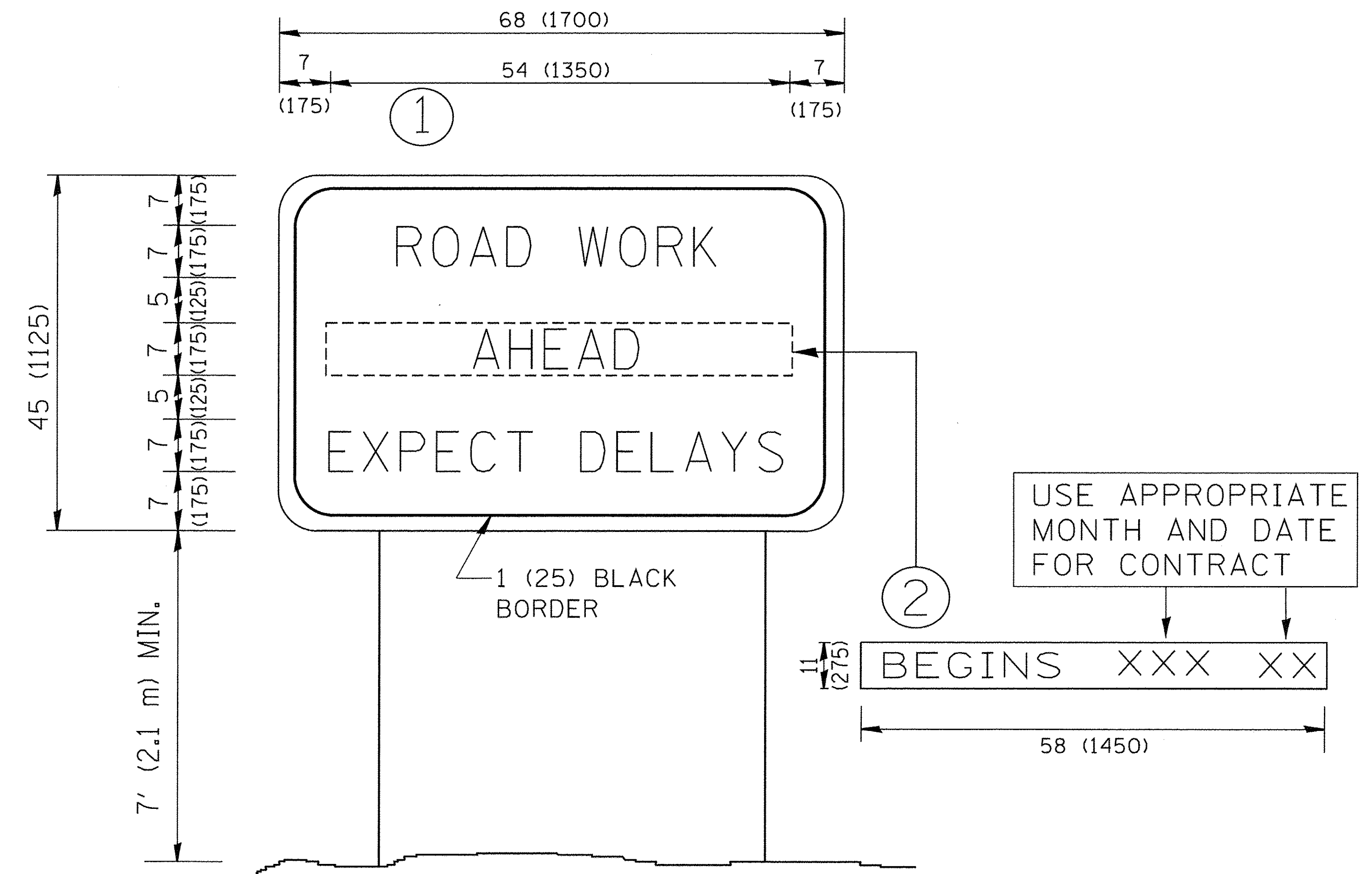


NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMPS.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - J.A.F. 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FREWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREWAY/EXPRESSWAYS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\pwidot\footemj\d0108315\tc18.dgn		DRAWN -	REVISED - S.P.B. 01-07			2298	13-00215-10-PV	KANE	477	354
		CHECKED -	REVISED - S.P.B. 12-09			TC-18		CONTRACT NO.		
		DATE -	REVISED - M.D. 06-13			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

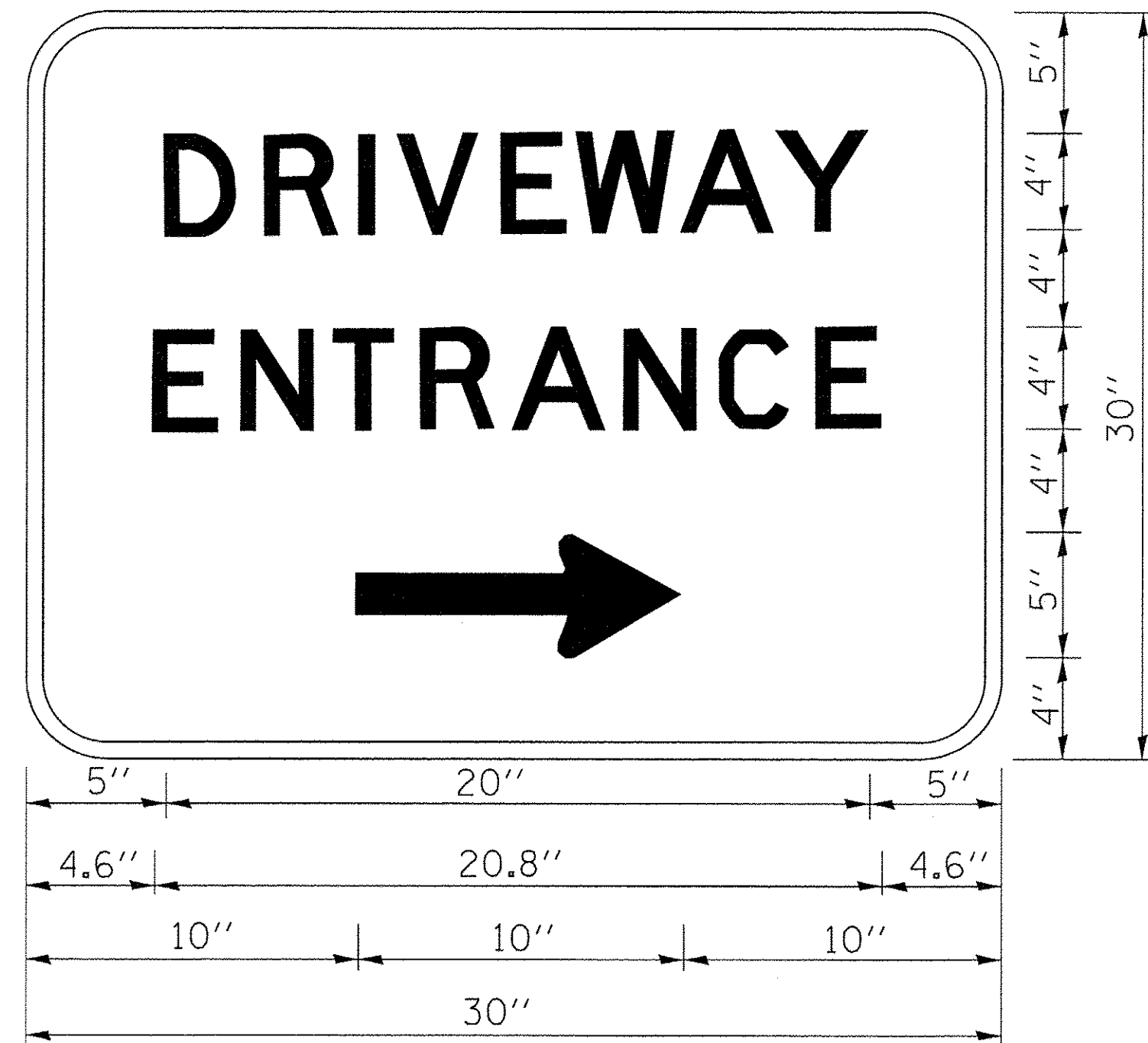
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\d\statd\22x34\to22.dgn	USER NAME = geglent	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
		CHECKED -	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	355
TC-22			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = gog1enob1	DESIGNED -	REVISED - C. JUCIUS 02-15-07
ct:\pw\work\p1\dot\gog1enob1\0108315\to26.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

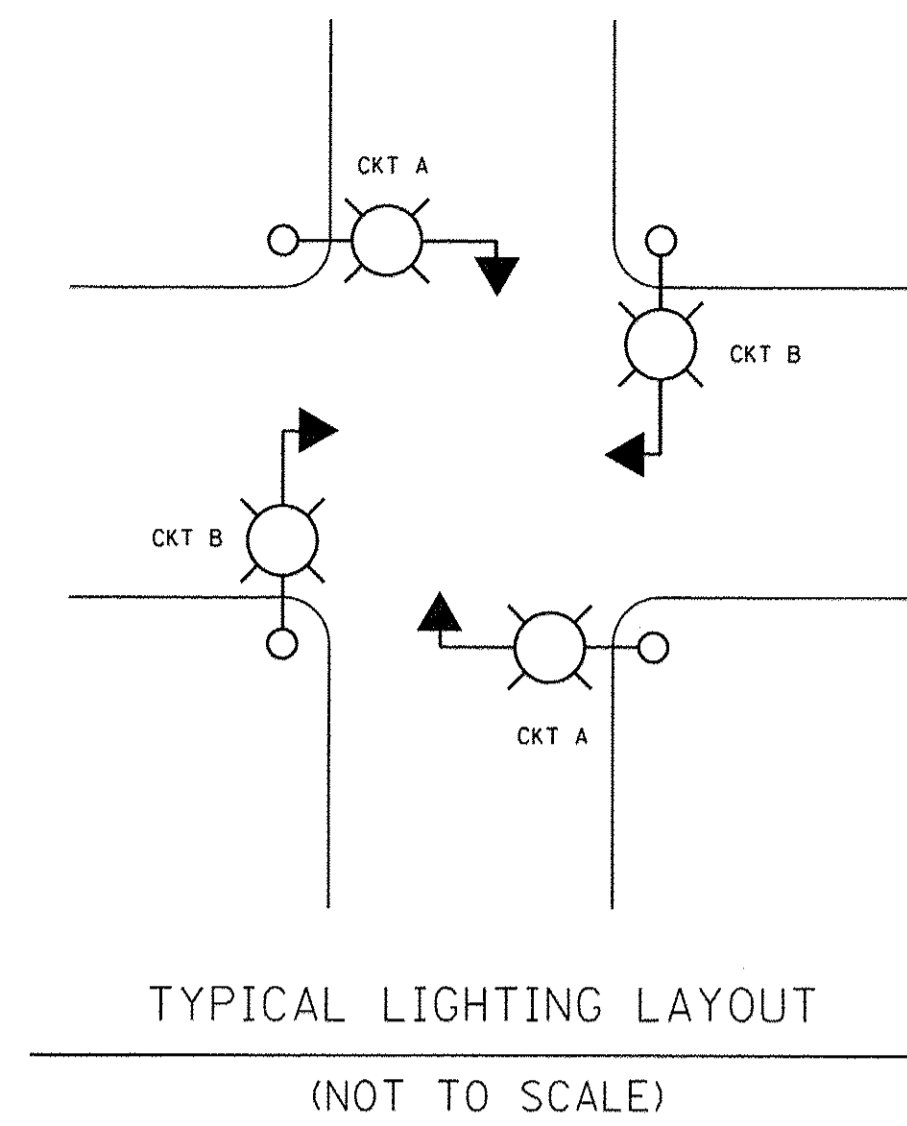
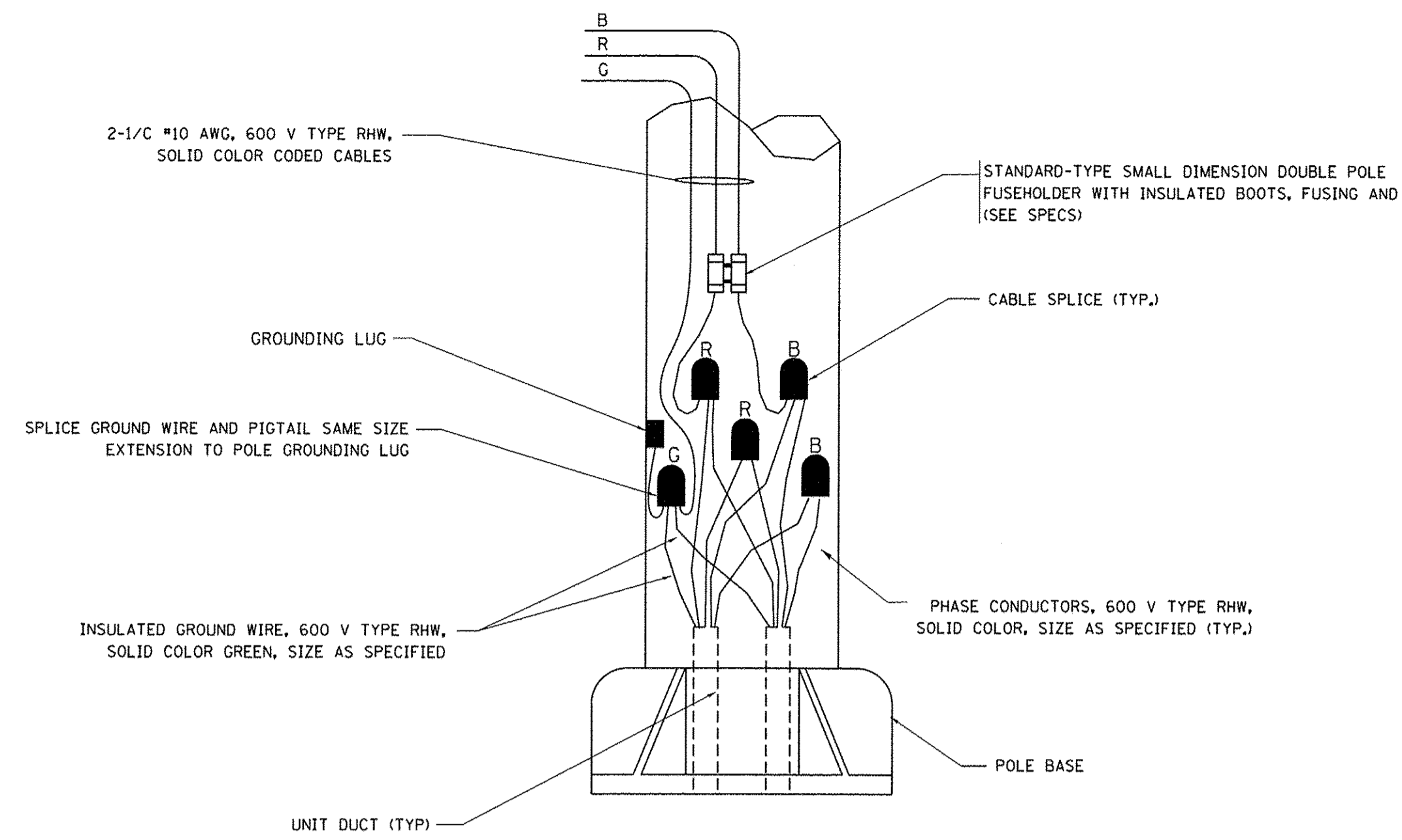
DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2298	13-00215-10-PV	KANE	477	356
TC-26			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PANEL EQUIPMENT

BILL OF MATERIALS		
ITEM	QUANTITY	DESCRIPTION
A	1	CIRCUIT BREAKER, THERMAL MAGNETIC MOLDED CASE, 2 POLE, 240 VOLT 100 AMP FRAME, 30 AMP TRIP, INTERRUPTING RATING 22K RMS SYMETRICALL AMP
B	1	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED, MECHANICALLY HELD, 2 POLE, SINGLE THROW, 30 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT.
C	2	CIRCUIT BREAKERS, 2 POLE, 100 AMP. FRAME 20 AMP. NON-INTERCHANGABLE TRIP INTERRUPTING RATING NEMA 10,000 AMP AT 240 V.
D	1	CONTROL CIRCUIT-CIRCUIT BREAKER, 1 POLE, 100 AMP FRAME, 15 AMP NON-INTERCHANGABLE TRIP, INTERRUPTING RATING 22K RMS SYMETRICAL AMP AT 240V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER [TIME SWITCH]
F	1	H-O-A SWITCH
G	1	COPPER GROUND BUS 1/4" (6,35) X 1" (25,4) X 12" (304,8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
H	1	COPPER NEUTRAL BUS 1/4" (6,35) X 1" (25,4) X 12" (304,8 mm) LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
I	1	RELAY, 2 POLE, SINGLE THROW, 120 VOLT COIL. CURRENT RATING TO BE COORDINATED WITH CONTACTOR

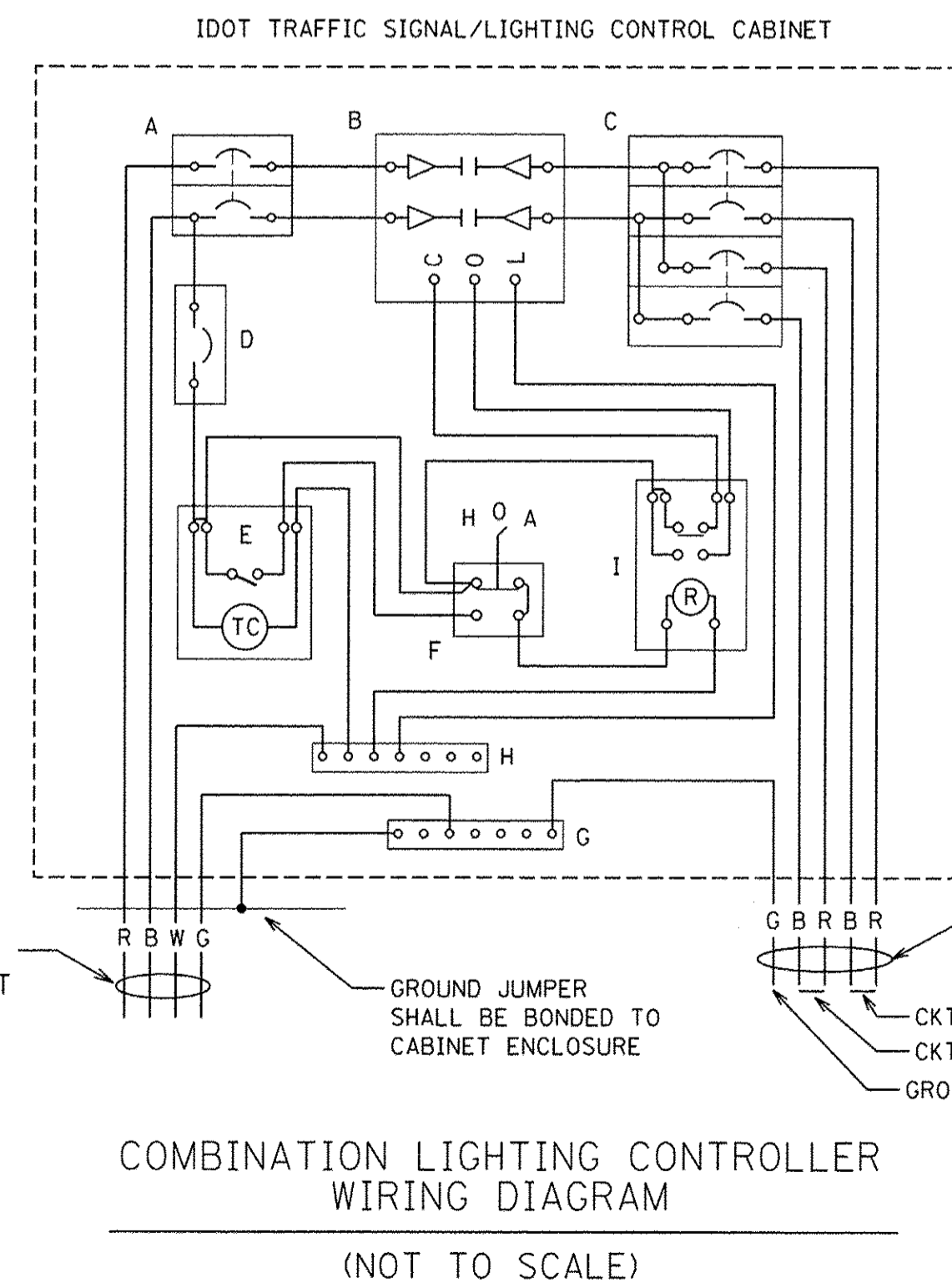


COMBINATION POLE WIRING DETAIL
(NOT TO SCALE)

NOTES:

- ALL WIRING RELATED TO THE LIGHTING CONTROLS SHALL BE #10 AWG, 600V, TYPE SWITCH BOARD WIRE, STRANDED COPPER.
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE ENCLOSURE.
- ALL WIRING SHALL BE NEATLY DRESSED, IDENTIFIED BY TAGS, AND SUPPORTED.
- ALL SPLICES AND CONNECTIONS FOR ROADWAY LIGHTING SHALL BE AT POLE BASE ONLY. UNDERGROUND SPLICING OF LIGHTING CONDUCTORS IS NOT PERMITTED.
- THE COMBINATION POLE LIGHTING CABLING DETAIL IS INTENDED TO SHOW CONNECTIONS ONLY. FOR FURTHER INFORMATION ON THE COMBINATION LIGHT POLE, THE TRAFFIC SIGNAL CONTROL CABINET, AND THE SERVICE DISCONNECT BOX OR CABINET REFER TO THE RESPECTIVE DETAIL DRAWINGS.
- COMBINATION LIGHTING SHALL BE TIMED TO ENERGIZE 20 MINUTES PRIOR TO DUSK AND DE-ENERGIZE 20 MINUTES AFTER DAWN.
- COMBINATION LIGHTING CONTROLLER AND ALL COMBINATION POLES SHALL HAVE IDOT DESIGNATIONS AND LABELS. LIGHTING CONTROLLER DESIGNATIONS SHALL BE COORDINATED WITH THE BUREAU OF TRAFFIC - LIGHTING SECTION.
- ENCLOSURE SHALL BE UNPAINTED, NATURAL ALUMINUM FINISH. SHALL BE U.L. LISTED NEMA TYPE 3R AND SHALL BE 26" X 17" X 15"
- 12" X 16" STAINLESS STEEL EXTERIOR NAMEPLATE SHALL BE ENGRAVED TO "STATE OF ILLINOIS LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
- ELECTRIC SERVICE SHALL BE 120V/240V SERVICE AND SHALL BE A SHARED SERVICE FOR COMBINATION LIGHTING AND TRAFFIC SIGNALS.
- CONDUIT SIZES TO THE SERVICE DISCONNECT SHALL BE COORDINATED WITH THE SERVICE DISCONNECT DETAILS. REFER TO THE FOLLOWING DETAIL DRAWINGS FOR THE SERVICE DISCONNECT.

FOR POLE MOUNTED ELECTRIC SERVICE USE "COMBINATION LIGHTING AND TRAFFIC POLE MOUNTED ELECTRIC SERVICE BOX" (BE-230).
FOR GROUND MOUNTED ELECTRIC SERVICE USE "STANDARD COMBINATION LIGHTING DISCONNECT" CONTAINED IN THE TRAFFIC SIGNAL DETAILS.

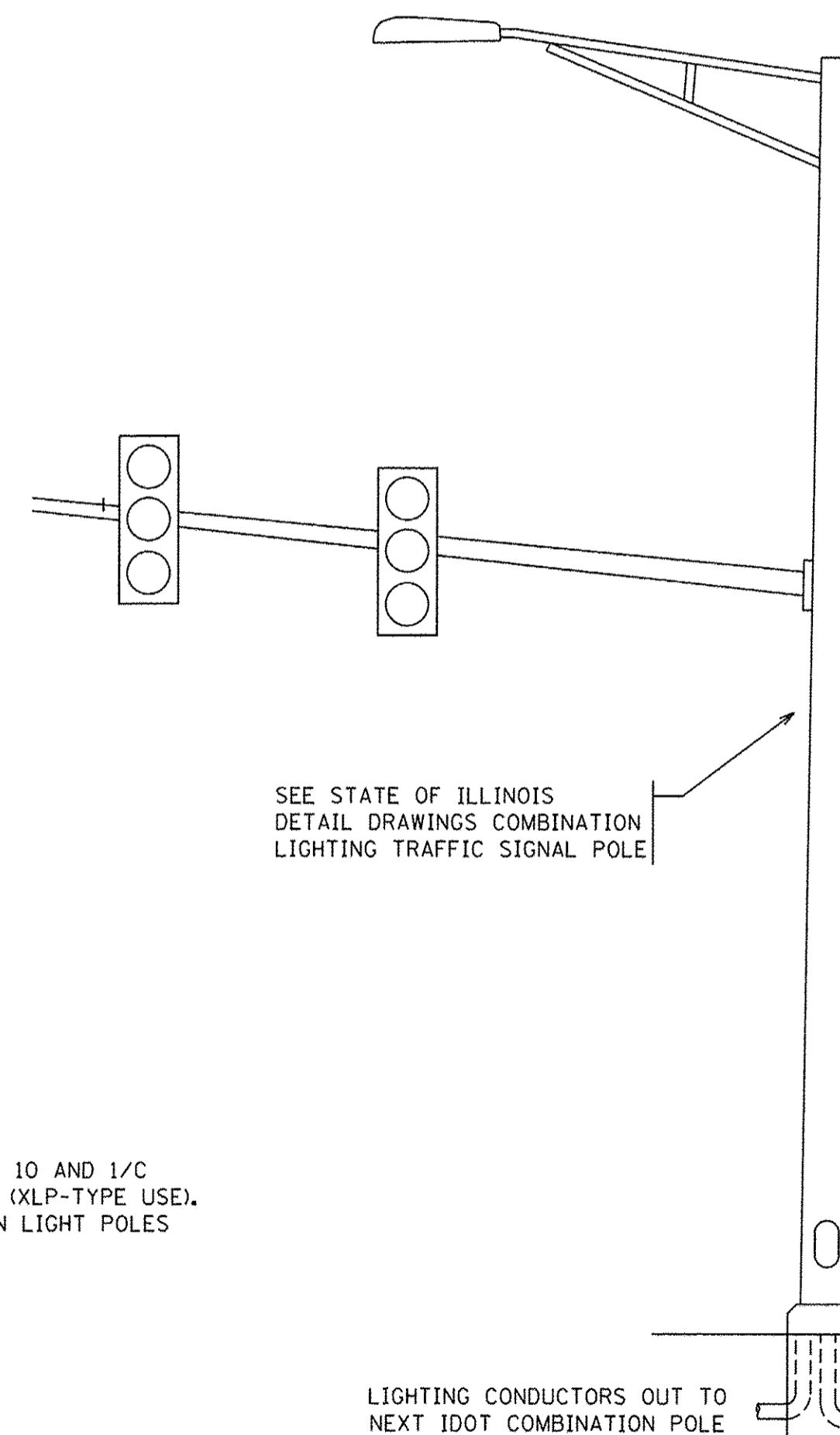


600V 3-1/C NO. 8 AND 1/C NO. 10 GND IN RGS CONDUIT FROM DISCONNECT CABINET (SEE NOTES 10 AND 11)

GROUND JUMPER SHALL BE BONDED TO CABINET ENCLOSURE

600V 4-1/C NO. 10 AND 1/C NO. 10 GROUND, (XLP-TYPE USE), TO COMBINATION LIGHT POLES

COMBINATION LIGHTING CONTROLLER WIRING DIAGRAM
(NOT TO SCALE)



COMBINATION POLE LIGHTING CABLING - TYPICAL
(NOT TO SCALE)

FILE NAME =	USER NAME = bauerdl	DESIGNED - MP	REVISED - MAP 9/20/11
ci:\pw_work\pwsidot\bauderdl\01080315\be235.dgn		DRAWN - MP	REVISED - MAP 10/25/12
		CHECKED -	REVISED -
		DATE - 8/24/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMBINATION LIGHTING CONTROLLER

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 2298	SECTION 13-00215-10-PV	COUNTY KANE	TOTAL SHEETS 477	SHEET NO. 357
BE-235		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				