

INDEX OF SHEETS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED  
FEDERAL-AID SECONDARY PROJECT

F.A.S. 2815 (CH 5) SECTION 10-00065-00-RS EDWARDS COUNTY  
PROJECT RS-2815(105) JOB NO. C-97-055-12

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2815	10-00065-00-RS	EDWARDS	7	1
FED. ROAD DIST. NO. 7	ILLINOIS	WEST VILLAGE RD		
LEC JOB # HY10032D		CONTRACT # 95690		

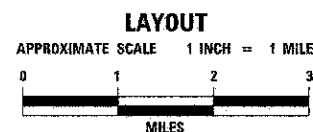
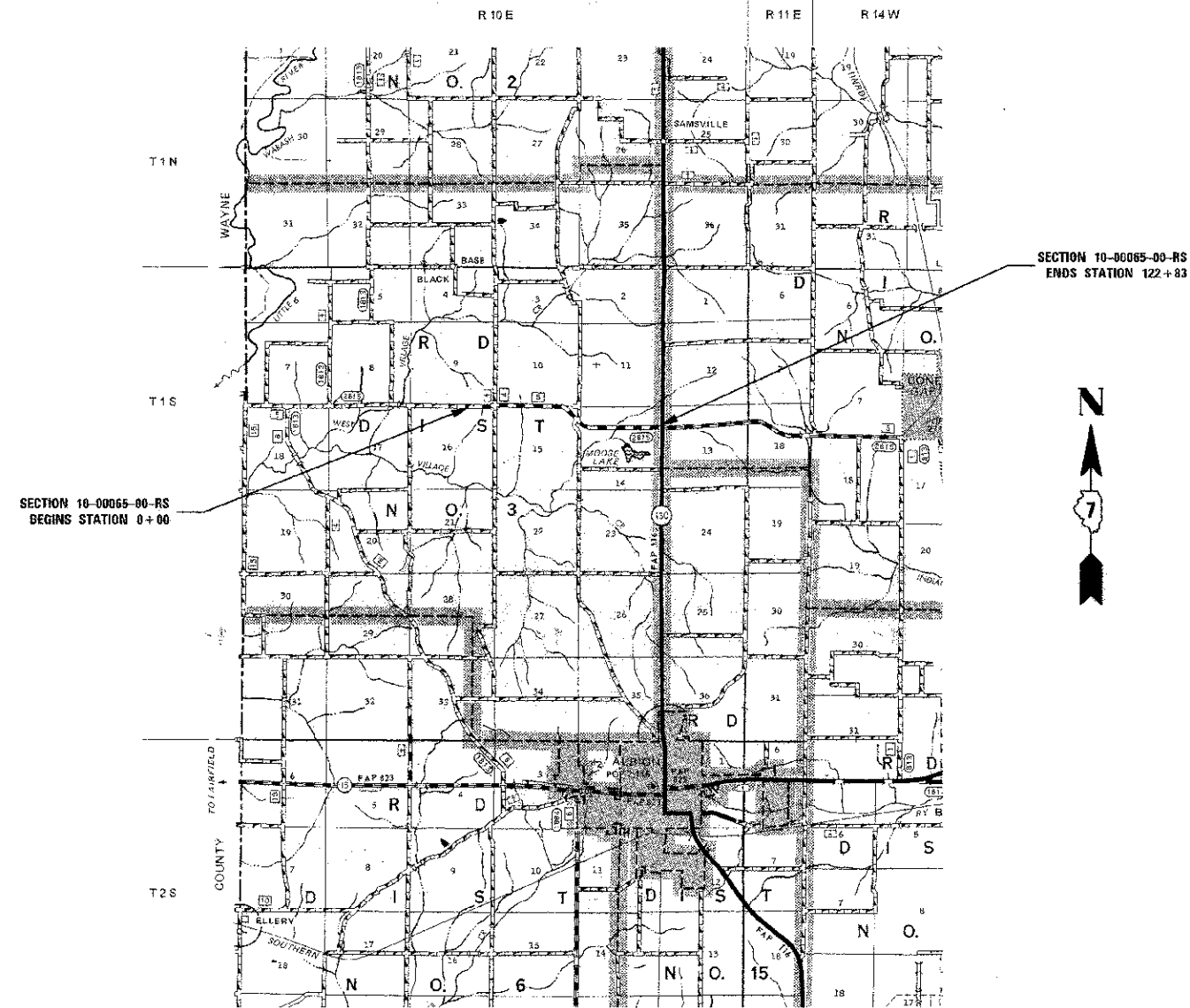
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTIONS, SUMMARY OF QUANTITIES.
3	DETAILS OF INTERSECTIONS, SIDEROADS, AND TAPERS
4	SCHEDULES
5	STATION 121+50.3 ENTRANCE IMPROVEMENT
6	PIPE CULVERT CROSS-SECTIONS - VARIOUS LOCATIONS
7	PIPE CULVERT CROSS-SECTION AND CONCRETE COLLAR DETAIL - STATION 122+75

HIGHWAY STANDARDS

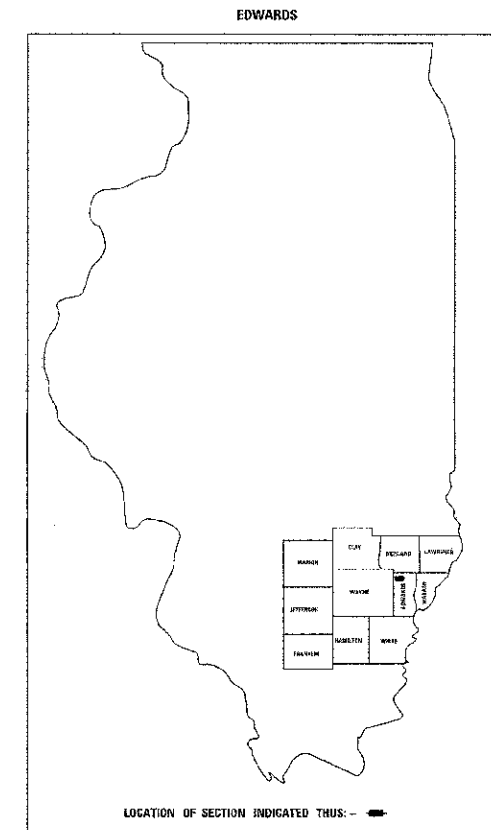
000001-06	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
406201-01	MAILBOX TURNOUT
420001-07	PAVEMENT JOINTS
420101-04	24' JOINTED PCC PAVEMENT
420701-02	PAVEMENT FABRIC
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
701006-04	OFF-ROAD OPERATIONS 2L, 2W, 4.5 m (15') TO PAVEMENT EDGE FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE 2L, 2W, SLOW MOVING OPERATIONS - DAY ONLY FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701336-06	LANE CLOSURE 2L, 2W, WORK AREAS IN SERIES FOR SPEEDS ≥ 45 MPH
701901-02	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL PAVEMENT MARKINGS
B.L.R. 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS



CONTRACT NO. = 95690  
DESIGN CLASS - MAJOR COLLECTOR  
CURRENT A.D.T. = 400  
DESIGN SPEED = 50 MPH



GROSS LENGTH	12,283.00 FT	2.326 MILES
NET LENGTH	12,283.00 FT	2.326 MILES



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DESIGN FIRM  
LAND SURVEY &  
PROFESSIONAL  
ENGINEERING  
CORPORATION  
184-00087  
(62-032435)(35-002769)



AARON M. MEFFORD  
NAME  
*Aaron Mefford*  
SIGNATURE  
2-1-13  
DATE  
11-30-13  
EXPIRES

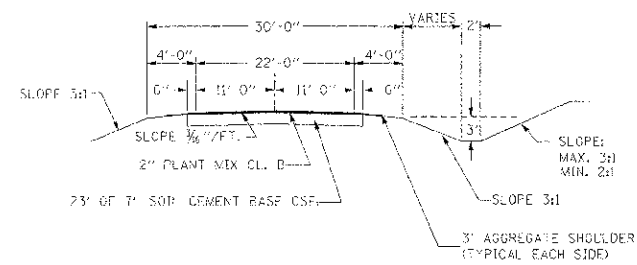
APPROVED FEBRUARY 1 20 13  
*A. Mefford*  
COUNTY ENGINEER

PASSED 2-15 20 13  
*Marion K. Kest*  
DISTRICT SEVEN ENGINEER OF  
LOCAL ROADS & STREETS

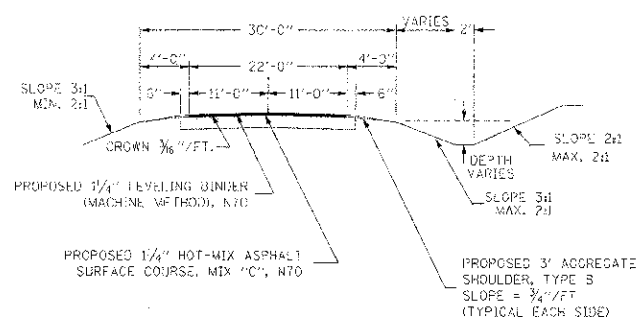
Releasing For  
Bid Based on  
Limited Review 2-15 20 13  
*Foster L. DuChello*  
DEPUTY DIRECTOR OF HIGHWAYS,  
REGION FOUR ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

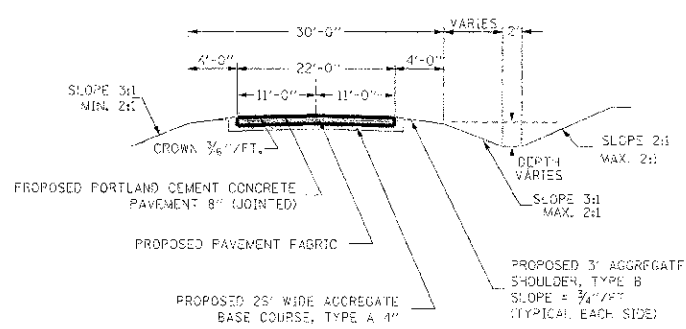
**TYPICAL CROSS SECTION EXISTING**



**TYPICAL CROSS SECTION PROPOSED (STA 114+00 TO STA 121+50.20)**



**TYPICAL CROSS SECTION PROPOSED (STA 121+50.20 TO STA 122+83)**



**GENERAL NOTES:**

THIS SECTION CONSISTS OF LEVELING BINDER (MACHINE METHOD), N70, AND HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, AGGREGATE SHOULDERS, RECONSTRUCTION OF THE INTERSECTION AT ILLINOIS ROUTE 130 WITH PORTLAND CEMENT CONCRETE PAVEMENT ON AN AGGREGATE BASE COURSE AND OTHER MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE PROJECT, ALL IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012.

THE EXISTING GRADE, ALIGNMENT, DRAINAGE STRUCTURES, BASE AND SURFACE WERE CONSTRUCTED UNDER SECTIONS 31-0, 91-00031-01-RS AND SHALL REMAIN IN PLACE. ALL STATIONS REFERRED TO IN THE PLANS AND PROPOSAL ARE REFERENCED TO THE ABOVE MENTIONED SECTIONS.

MAXIMUM PERCENT OF GRADE	-4.00 %
MINIMUM STOPPING SIGHT DISTANCE	425 FT
DESIGN SPEED	50 MPH
CURRENT ADT	400 VPD
DESIGN ADT (20 YEAR)	450 VPD

THE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 SHALL BE PLACED IN ONE LIFT WITH A MINIMUM THICKNESS OF 1 1/4".

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 ALLOWS 79 TON FOR THE INTERSECTIONS, SIDEROADS, AND TAPERS; 99 TON FOR THE ENTRANCES; 14 TON FOR THE MAILBOX TURNOUTS, AND 207 1/2 TON FOR THE 1/4" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70.

THE FOLLOWING RATES HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

AGGREGATE SHOULDERS (TYP. B)	8 T / CU YD
HOT-MIX ASPHALT	0.0560 T / SQ YD * INCH
AGGREGATE PRIME COAT	0.001 T / SQ YD
BITUMINOUS MATERIAL (PRIME COAT)	0.05 GAL / SQ YD

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR GRADING AND SHAPING DITCHES ALLOWS 50 FOOT AT EACH END OF ALL PIPES TO BE REMOVED & RELAY AT STATIONS SHOWN IN SCHEDULE OF REMOVE & RELAY PIPE CULVERTS.

ALL DISTURBED AREAS ARE TO BE SEEDED BY THE COUNTY.

**SUMMARY OF QUANTITIES**

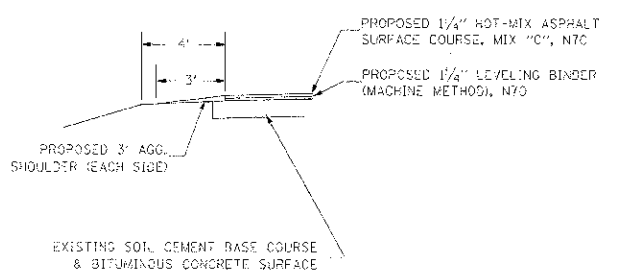
QUANTITY	UNIT	ITEM	CODE NUMBER
700.00	FOOT	GRADING AND SHAPING DITCHES	21400100
30.00	TON	STONE DUMPED RIPRAP, CLASS A3	28100805
820.80	SQ YD	AGGREGATE BASE COURSE, TYPE A 4"	35100300
1376.00	GALLON	BITUMINOUS MATERIALS (PRIME COAT)	40600100
2823.00	TON	LEVELING BINDER (MACHINE METHOD), N70	40600635
2263.00	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	40603315
731.40	SQ YD	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	42000301
731.40	SQ YD	PAVEMENT FABRIC	42001200
1903.00	TON	AGGREGATE SHOULDERS, TYPE B	48101700
40.00	POUND	REINFORCEMENT BARS	50800105
8.00	EACH	EXPANSION BOLTS 3/4 INCH	54002025
30.00	FOOT	PIPE CULVERTS, CLASS A, TYPE 1 30"	542A0235
52.00	FOOT	PIPE CULVERTS, CLASS A, TYPE 1 36"	542A0241
46.00	FOOT	PIPE CULVERTS, CLASS A, TYPE 1 48"	542A0253
130.00	FOOT	PIPE CULVERTS, CLASS A, TYPE 2 24"	542A1069
60.00	FOOT	PIPE CULVERTS, CLASS A, TYPE 2 36"	542A1081
52.00	FOOT	PIPE CULVERTS, CLASS A, TYPE 2 42"	542A1087
62.00	FOOT	PIPE CULVERTS, CLASS A, TYPE 2 60"	542A1105
4.00	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	54213669
1.00	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	54213675
4.00	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	54213681
2.00	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	54213687
2.00	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	54213693
2.00	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60"	54213705
1.10	CU YD	CONCRETE COLLAR	542148510
209.0	CU YD	CONTROLLED LOW-STRENGTH MATERIAL	59300100
1.00	L SUM	MOBILIZATION	67100100
1.00	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	70100460
1.00	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	70100600
2456.00	FOOT	SHORT TERM PAVEMENT MARKING	70300100
39140.00	FOOT	PAINT PAVEMENT MARKING-LINE 4"	78001110 Δ
2.00	UNIT	GRADING AND SHAPING SHOULDERS	X2020110
1228.00	FOOT	SHORT TERM PAVEMENT MARKING REMOVAL	XX003140
61.00	TON	PAVEMENT REMOVAL AND REPLACEMENT (SPECIAL)	XX127400

Δ SPECIALTY ITEMS

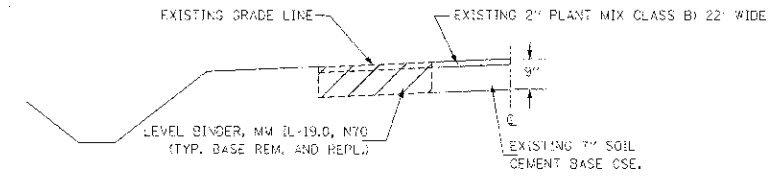
**SCHEDULE FOR SUPERELEVATION RATES**

CURVE #1	CURVE #2
TANGENT RUNOFF BEGINS STA. 8+04.92	TANGENT RUNOFF BEGINS STA. 17+43.42
S.E. RUNOFF BEGINS STA. 8+63.92	S.E. RUNOFF BEGINS STA. 17+78.42
F.U.L. S.E. BEGINS STA. 8+98.92	FULL S.E. BEGINS STA. 18+48.42
F.U.L. S.E. ENDS STA. 14-42.25	FULL S.E. ENDS STA. 23+18.90
S.E. RUNOFF ENDS STA. 14+77.25	S.E. RUNOFF ENDS STA. 23+80.90
TANGENT RUNOFF ENDS STA. 15+36.25	TANGENT RUNOFF ENDS STA. 24+23.90
S.E. RATE = 0.025 FT / FT	S.E. RATE = 0.030 FT / FT
CURVE #3	CURVE #5
TANGENT RUNOFF BEGINS STA. 51+79.54	TANGENT RUNOFF BEGINS STA. 69+99.76
S.E. RUNOFF BEGINS STA. 52+14.54	S.E. RUNOFF BEGINS STA. 70+34.76
F.U.L. S.E. BEGINS STA. 54+01.54	FULL S.E. BEGINS STA. 72+21.76
FULL S.E. ENDS STA. 61+56.21	FULL S.E. ENDS STA. 79+03.10
S.E. RUNOFF ENDS STA. 63+43.21	S.E. RUNOFF ENDS STA. 81+80.10
TANGENT RUNOFF ENDS STA. 63+78.21	TANGENT RUNOFF ENDS STA. 82+15.10
S.E. RATE = 0.080 FT / FT	S.E. RATE = 0.080 FT / FT

**AGGREGATE SHOULDER DETAIL**



**DETAIL OF PAVEMENT REMOVAL AND REPLACEMENT SPECIAL**



NOTES: IN THE TYPICAL DETAIL, ABOVE THE DISTANCE FROM THE CENTERLINE LEFT OR RIGHT AND THE WIDTH OF PAVEMENT REMOVAL AND REPLACEMENT VARIES. SEE SCHEDULE OF PAVEMENT REMOVAL AND REPLACEMENT SPECIAL FOR PROPOSED LOCATIONS.

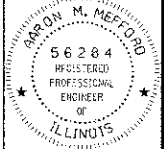
**UTILITIES**

ELLERY WATER CORP. ROUTE 1 BOX 163A ELLERY, IL 62833 618-838-7116	WAYNE-WHITE ELECTRIC DRAWER E FAIRFIELD, IL 62837 618-842-2196	WABASH TELEPHONE COOP P.O. BOX 239 200 S. CHURCH LOUISVILLE, IL 62358 618-665-3311	FRONTIER TELEPHONE CO. 225 EAST CHESTNUT ONLEY, IL 62450 618-395-6191	JULI, ILL. 800-692-0125
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ENGINEERING  
CORPORATION  
184-C00887  
(62-032435)(35-002769)

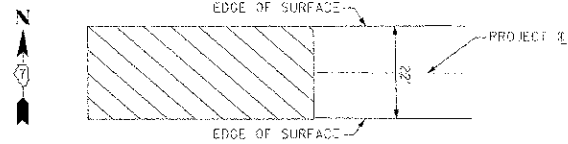


AARON M. MEFFORD  
NAME  
SIGNATURE  
DATE  
11-30-13  
EXPIRES

DETAILS OF SURFACING AT INTERSECTIONS AND SIDEROADS

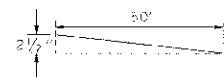
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2815	10-00085-00-RS	EDWARDS	7	3
FED. ROAD DIST. NO. 7		ILLINOIS	WEST VILLAGE RD	
LEC JOB # H111003ED		CONTRACT # 05590		

DETAIL OF TAPER STA. 0+00 TO STA. 0+50

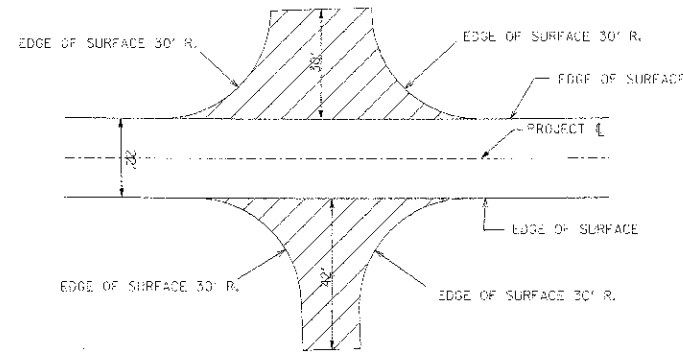


NOTE: THE QUANTITY SHOWN FOR 1.0T MIX ASPHALT SURFACE COURSE, MIX "C", N70 INCLUDES 8.2 TONS OF MATERIAL FOR THE TAPER FROM STATION 0+00 TO STATION 0+50.

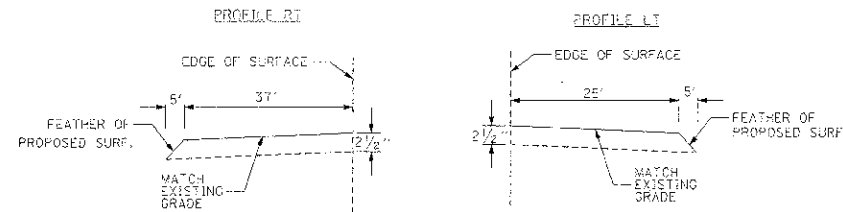
PROFILE TAPER



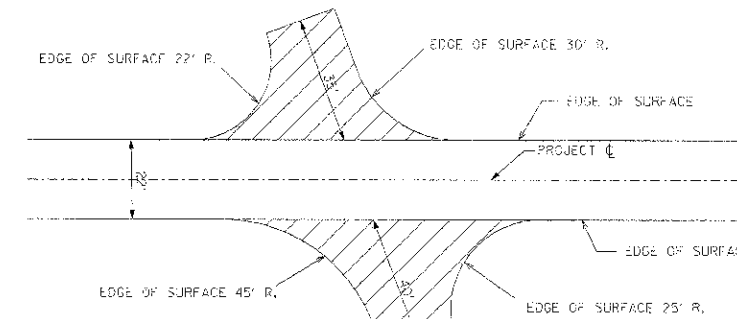
DETAIL OF INTERSECTION 13+56.5 LT AND RT



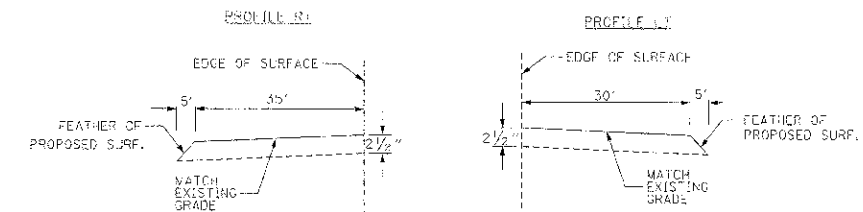
NOTE: THE QUANTITY SHOWN FOR 1.0T MIX ASPHALT SURFACE COURSE, MIX "C", N70 INCLUDES 18.4 TONS OF MATERIAL FOR THE SIDEROAD LT APPROACH AND RADII AND 18.4 TONS OF MATERIAL FOR THE SIDEROAD RT, APPROACH AND RADII.



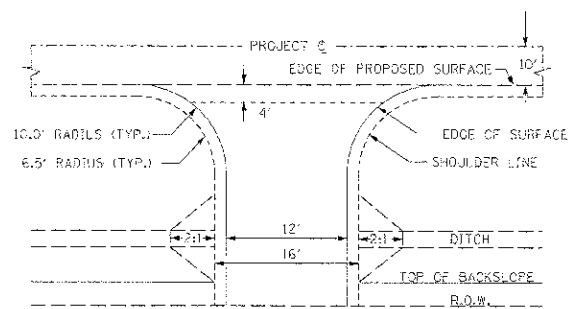
DETAIL OF INTERSECTION 67+66.8 LT AND RT



NOTE: THE QUANTITY SHOWN FOR 1.0T MIX ASPHALT SURFACE COURSE, MIX "C", N70 INCLUDES 15.3 TONS OF MATERIAL FOR THE SIDEROAD LT APPROACH AND RADII AND 15.7 TONS OF MATERIAL FOR THE SIDEROAD RT, APPROACH AND RADII.

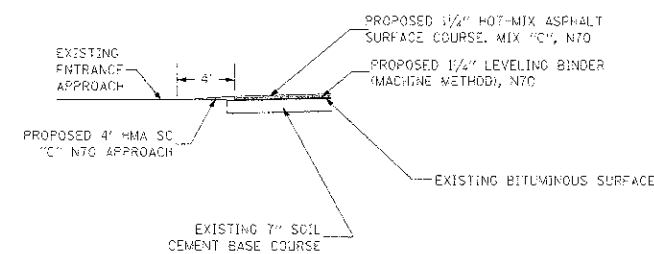


DETAIL OF PRIVATE AND FIELD ENTRANCES



NOTE: THE 4' AREA FROM THE EDGE OF SURFACE, AS SHOWN ABOVE, SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 FOR THE PRIVATE ENTRANCES AND THE FIELD ENTRANCES. THIS QUANTITY IS INCLUDED IN THE QUANTITY FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70.

PRIVATE & FIELD ENTRANCE APPROACH DETAIL

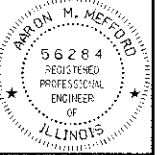


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PROFESSIONAL DESIGN FIRM  
LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION  
184-00087  
(62-002425)(35-302789)



AARON M. MEFFORD  
NAME  
Signature  
DATE  
7-1-13  
11-30-13  
EXPIRES

**SCHEDULE OF PAVEMENT MARKINGS**

STATION	ID	STATION	LOCATION	LENGTH - FOOT
<b>CENTERLINE</b>				
0+54		122+83	CL	1207
<b>EDGE LINE</b>				
0+54		13+35	RT.	1281
13+80		67+50	RT.	5370
68+00		122+83	RT.	5483
<b>EDGE LINE</b>				
0+54		13+25	LT.	1271
13+85		67+30	LT.	5345
67+75		122+83	LT.	5508
<b>NO. PASSING</b>				
5+00		19+00	RT.	1400
14+00		30+00	LT.	1600
30+00		38+00	RT.	800
38+00		49+00	LT.	1000
43+00		85+00	RT.	4000
86+00		97+00	LT.	4300
114+80		122+55	RT.	775
				TOTAL 39,140

THE ABOVE QUANTITY IS SHOWN IN THE PAVEMENT MARKING LINE 4" IN THE SUMMARY OF QUANTITIES.

**SCHEDULE OF AR PIPE CULVERTS, CLASS A**

STATION	SIZE	LENGTH	TYPE	CONTROLLED LOW-STRENGTH MATERIAL	TEMPORARY SURFACE (CA-6)	STONE DUMPLED (12" DIA., CLASS A)
6+96	42"	52'	2	32.2 CY	5.3 T	4.4 T
13+80.3	24"	64'	2	24.0 CY	6.7 T	2.7 T
25+18	24"	66'	2	32.8 CY	4.6 T	2.7 T
31+12	36"	60'	2	37.9 CY	5.0 T	4.0 T
48+74	48"	46'	1	11.5 CY	6.3 T	4.8 T
78+49	60"	62'	2	52.70 CY	7.3 T	5.4 T
99+24	36"	52'	1	17.8 CY	5.9 T	4.0 T
122+75	30"	30'	1	0.0 CY	0.0 T	0.0 T
				TOTAL 208.9 CY	TOTAL 41.3 T	TOTAL 30.0 T

NOTE: SEE SHEET 6 AND 7 FOR CULVERT FLOORLINES

\* PAID FOR UNDER PIPE CULVERTS

**SCHEDULE OF MAILBOX TURNOUTS**

STATION	LOCATION	EST. QUANTITY ALLOWED TONS
10+82	RT.	3.0
18+32	RT.	1.7
38+47	RT.	4.3
62+80	RT.	1.7
83+30	RT.	2.1
117+21	LT.	1.2
		14.0

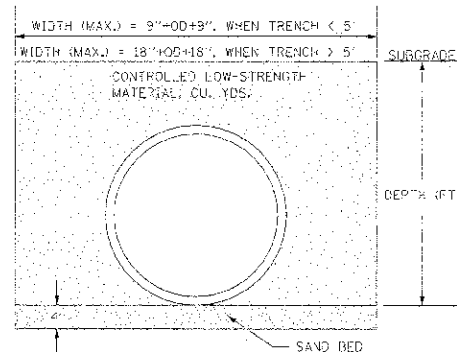
THE ABOVE QUANTITY IS INCLUDED IN THE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 IN THE SUMMARY OF QUANTITIES.

**SCHEDULE OF PAV'T REMOVAL AND REPLACEMENT (SPECIAL)**

STATION	ID	STATION	LOCATION	WIDTH (FEET)	SO. YD.	TON
6+96			AT PIPE CULVERT	21.0	11.7	5.9
13+80.3			AT PIPE CULVERT	38.0	14.8	7.4
25+18			AT PIPE CULVERT	26.0	10.1	5.1
31+12			AT PIPE CULVERT	22.0	11.0	5.5
48+74			AT PIPE CULVERT	23.0	14.1	7.1
78+49			AT PIPE CULVERT	23.0	16.6	8.4
81+53		82+29	RIGHT SIDE	4.0	29.3	14.8
88+24			AT PIPE CULVERT	26.0	13.0	6.6
				TOTALS	91.3	60.8

THE SCHEDULE ABOVE REFLECTS APPROXIMATE LOCATION AND ESTIMATED QUANTITIES. THE ACTUAL AREAS SHALL BE LOCATED AND MARKED BY THE ENGINEER PRIOR TO CONSTRUCTION. THE ABOVE QUANTITY IS INCLUDED IN PAVEMENT REMOVAL AND REPLACEMENT SPECIAL IN THE SUMMARY OF QUANTITIES.

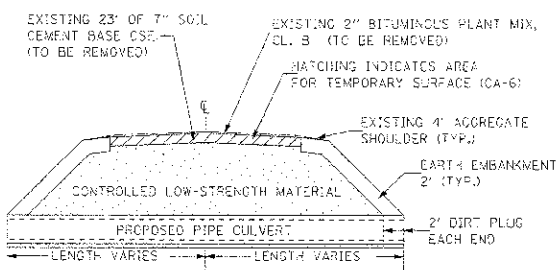
**DETAIL OF ACROSS ROAD CULVERT PIPES**



PROPOSED TYPICAL CROSS SECTION AT PIPE CULVERTS

**AT PIPE CULVERTS**

FOR PAVEMENT REMOVAL AND REPLACEMENT (SPECIAL) SEE SCHEDULE



NOTE: 4" SAND BED REQUIRED UNDER PIPE

**SCHEDULE OF PRIVATE AND FIELD ENTRANCES**

STATION	LOCATION	60 SQ SUPER "C" N70 (IN TONS)
0+62	RT	2.3
8+82	RT	2.0
10+43	LT	1.1
11+21	RT	4.2
12+36	RT	4.0
18+12	RT	1.7
13+56	RT	2.3
26+83	RT	2.3
26+92	LT	2.2
33+38	RT	3.3
38+23	LT	2.3
39+70	RT	3.8
45+99	RT	3.5
46+45	LT	2.3
49+32	RT	3.0
50+80	LT	2.1
52+27	LT	2.8
61+72	LT	9.5
62+36	RT	2.8
72+99	LT	2.9
83+46	RT	2.0
83+58	LT	1.9
84+79	LT	2.7
85+63	RT	2.3
96+43	LT	2.3
92+17	LT	3.2
93+95	RT	2.2
97+32	LT	1.6
99+33	LT	0.9
93+13	RT	2.5
103+26	RT	1.3
103+31	LT	1.3
108+33	RT	2.1
109+03	LT	1.9
110+46	RT	3.2
111+59	LT	1.0
114+0	LT	2.0
117+37	LT	1.7
		TOTAL 98.0

THE ABOVE QUANTITY IS INCLUDED IN THE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 IN THE SUMMARY OF QUANTITIES.

**SCHEDULE OF AGGREGATE SHOULDERS, TYPE B IN SUPERELEVATION**

STATION	ID	STATION	LOCATION	TONS
8+04.92		15+36.25	LT.	46.1
17+43.42		24+23.90	LT.	44.9
51+79.54		63+78.21	LT.	52.8
69+93.76		82+15.10	LT.	141.0
8+04.92		15+36.25	RT.	44.6
17+43.42		24+23.90	RT.	42.2
51+79.54		63+78.21	RT.	173.9
69+93.76		82+15.10	RT.	81.5
				TOTAL 627.0

THE ABOVE QUANTITY IS FOR THE ENTIRE SECTION AND IS INCLUDED IN THE QUANTITY FOR AGGREGATE SHOULDERS, TYPE B IN THE SUMMARY OF QUANTITIES.

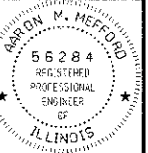
**SCHEDULE OF AGGREGATE SHOULDERS, TYPE B IN TANGENT**

STATION	TO	STATION	LOCATION	TONS
0+54		8+04.92	LT.	41.1
15+36.25		17+43.42	LT.	11.8
24+23.90		51+79.54	LT.	187.5
63+78.21		69+93.76	LT.	56.5
82+15.10		122+83	LT.	311.1
0+54		8+04.92	RT.	54.8
15+36.25		17+43.42	RT.	13.1
24+23.90		51+79.54	RT.	250.9
63+78.21		69+93.76	RT.	47.9
82+15.10		122+83	RT.	209.0
				TOTAL 1275.7

THE ABOVE QUANTITY IS FOR THE ENTIRE SECTION AND IS INCLUDED IN THE QUANTITY FOR AGGREGATE SHOULDERS, TYPE B IN THE SUMMARY OF QUANTITIES.



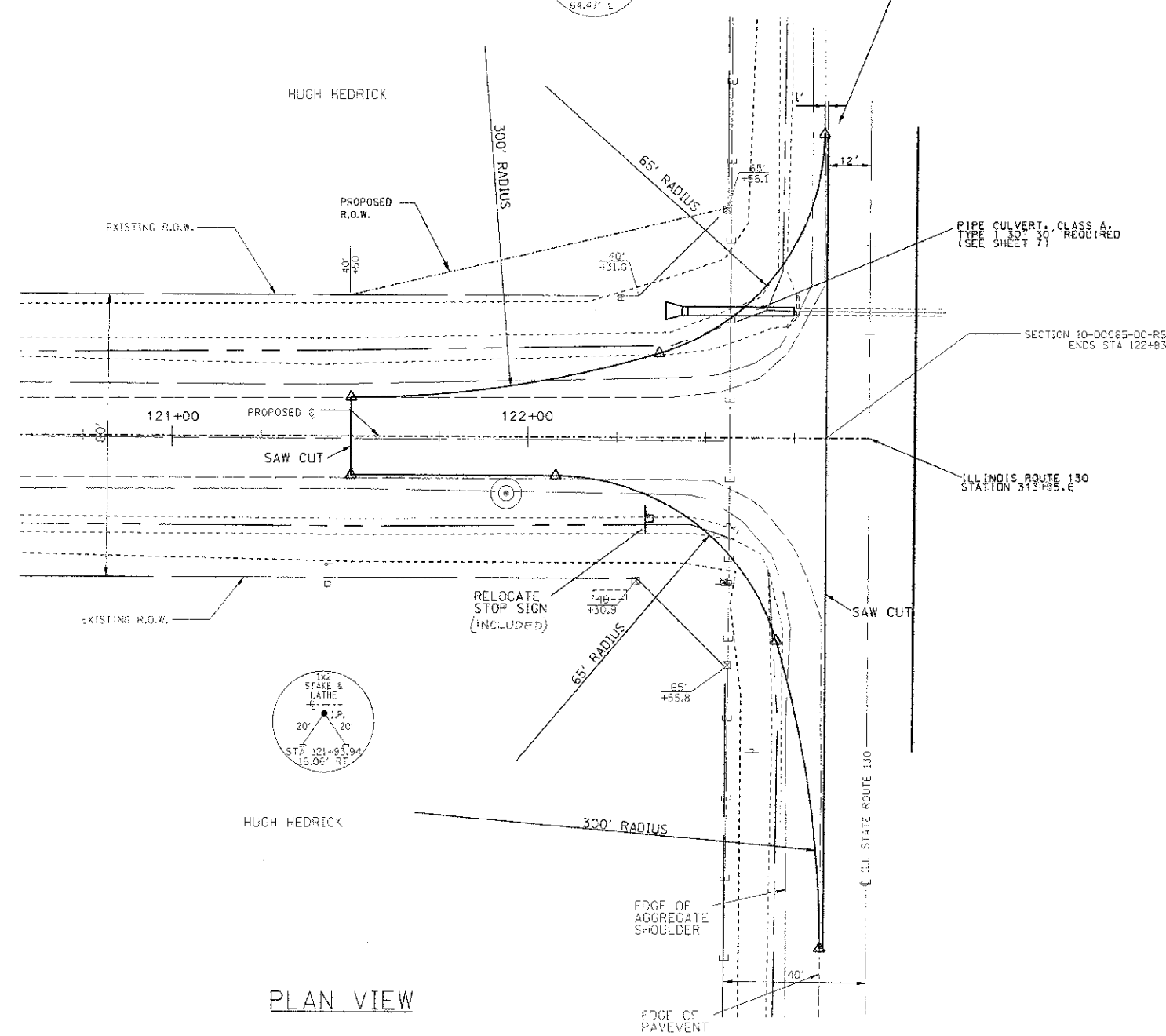
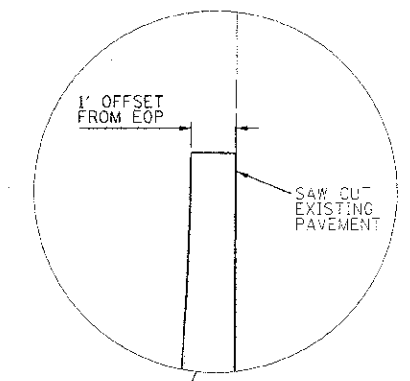
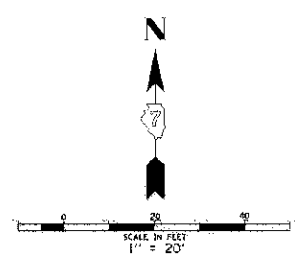
PROFESSIONAL DESIGN FIRM  
LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION  
184-000067  
(62-32435)(65-002709)



AARON M. MEFFORD  
NAME  
*Aaron M. Mefford*  
SIGNATURE  
2-1-13  
DATE  
11-30-13  
EXPIRES

**GENERAL NOTES:**

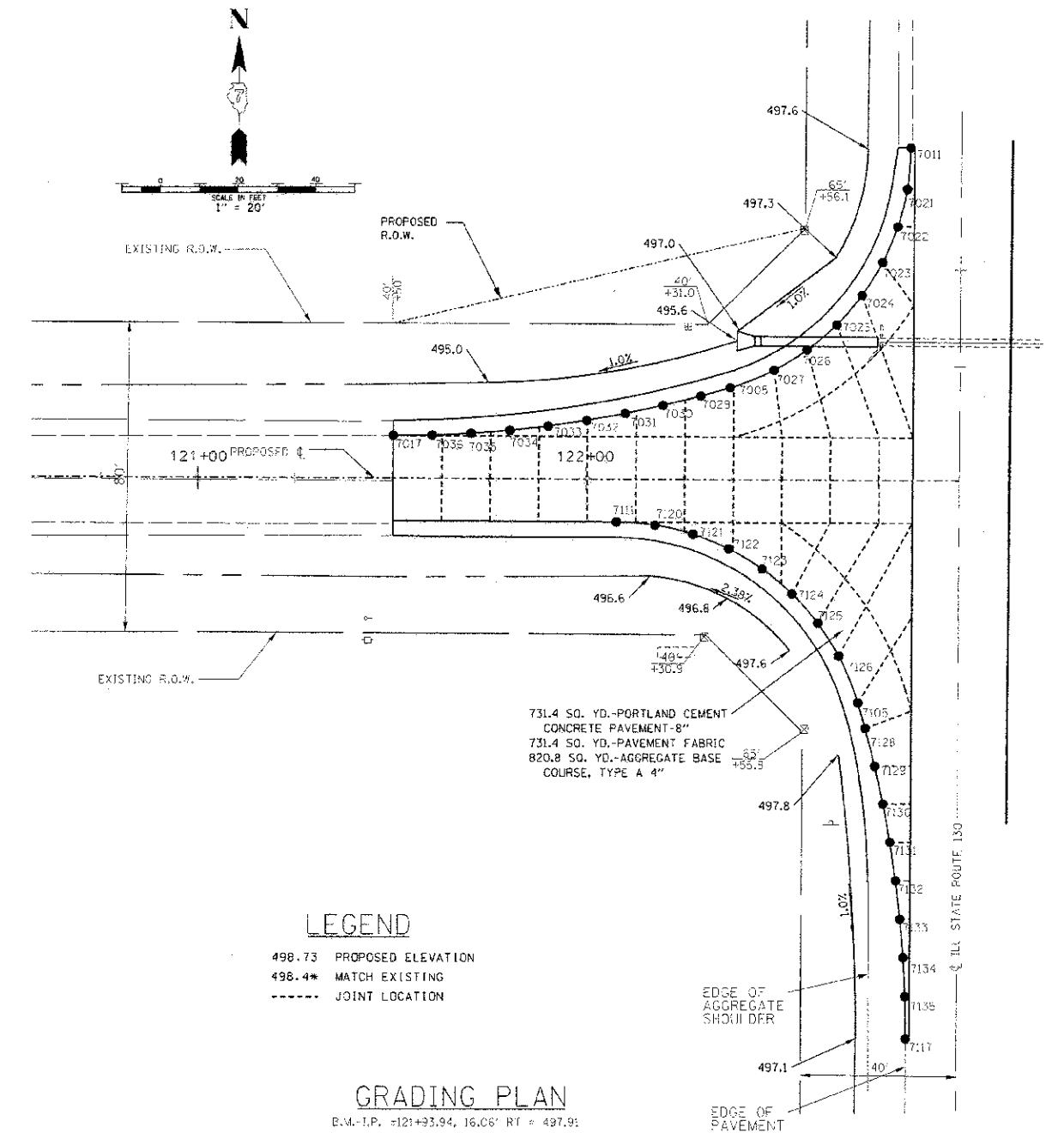
FULL DEPTH SAW CUT EDGE OF EXISTING PAVEMENT TO ESTABLISH A VERTICAL CONSTRUCTION JOINT AND REMOVE THE SHOULDER IN THE PROPOSED PAVED AREA. THIS WORK SHALL BE CONSIDERED IN THE COST OF PORTLAND CEMENT CONCRETE PAVEMENT.



**PLAN VIEW**

C.H. 5 & IL. RTE. 15					
POINT NUMBER	ELEV.	IL. RTE. 15		C.H. 5	
		STA. M.L.	OFF. M.L.	STA. M.L.	OFF. M.L.
7111	498.70	313+84.44	88.12 LT.	122+07.79	11.00 RT.
7120	498.79	313+83.69	78.15 LT.	122+17.76	11.77 RT.
7121	498.86	313+81.42	68.41 LT.	122+27.50	14.06 RT.
7122	498.89	313+77.68	59.14 LT.	122+36.76	17.81 RT.
7123	498.87	313+72.56	50.55 LT.	122+45.35	22.95 RT.
7124	498.85	313+66.19	42.84 LT.	122+53.04	29.34 RT.
7125	498.83	313+58.71	36.20 LT.	122+59.66	36.83 RT.
7126	498.81	313+50.30	30.79 LT.	122+65.06	45.25 RT.
7127	498.79	313+41.16	26.74 LT.	122+69.10	54.40 RT.
7105	498.79	313+38.20	25.77 LT.	122+70.06	57.36 RT.
7128	498.77	313+31.58	23.85 LT.	122+71.96	63.98 RT.
7129	498.75	313+21.90	21.35 LT.	122+74.45	73.66 RT.
7130	498.64	313+12.14	19.17 LT.	122+76.81	83.43 RT.
7131	498.60	313+02.32	17.32 LT.	122+78.44	93.26 RT.
7132	498.57	312+92.43	15.79 LT.	122+79.95	103.14 RT.
7133	498.53	312+82.50	14.59 LT.	122+81.13	113.07 RT.
7134	498.46	312+72.54	13.73 LT.	122+81.97	123.04 RT.
7135	498.44	312+62.56	13.20 LT.	122+82.48	133.02 RT.
7136	498.39	312+52.56	13.00 LT.	122+82.66	142.02 RT.
7117	498.38	312+51.61	13.00 LT.	122+82.66	143.97 RT.

C.H. 5 & IL. RTE. 15					
POINT NUMBER	ELEV.	IL. RTE. 15		C.H. 5	
		STA. M.L.	OFF. M.L.	STA. M.L.	OFF. M.L.
7011	500.37	314+81.46	13.00 LT.	122+83.10	85.88 LT.
7020	500.37	314+80.75	13.00 LT.	122+83.10	85.17 LT.
7021	500.28	314+70.79	13.88 LT.	122+82.20	75.21 LT.
7022	500.18	314+61.08	16.28 LT.	122+79.78	65.51 LT.
7023	500.06	314+51.86	20.13 LT.	122+75.91	56.29 LT.
7024	499.76	314+43.33	25.36 LT.	122+70.67	47.77 LT.
7025	499.46	314+35.71	31.83 LT.	122+64.18	40.16 LT.
7026	499.16	314+29.17	39.39 LT.	122+56.61	33.63 LT.
7027	498.85	314+23.86	47.87 LT.	122+48.12	28.35 LT.
7028	498.81	314+19.92	57.06 LT.	122+38.92	24.42 LT.
7005	498.80	314+19.28	59.12 LT.	122+36.86	23.77 LT.
7029	498.76	314+17.08	66.54 LT.	122+29.33	21.60 LT.
7030	498.70	314+14.59	76.33 LT.	122+19.65	19.13 LT.
7031	498.63	314+12.42	88.09 LT.	122+09.88	16.98 LT.
7032	498.56	314+10.58	95.92 LT.	122+00.05	15.16 LT.
7033	498.48	314+09.07	105.80 LT.	121+90.16	13.66 LT.
7034	498.40	314+07.88	115.73 LT.	121+80.23	12.50 LT.
7035	498.31	314+07.03	125.70 LT.	121+70.26	11.67 LT.
7036	498.22	314+06.51	135.68 LT.	121+60.27	11.17 LT.
7017	498.12	314+06.33	145.68 LT.	121+50.28	11.00 LT.



**LEGEND**

- 498.73 PROPOSED ELEVATION
- 498.4\* MATCH EXISTING
- JOINT LOCATION

**GRADING PLAN**

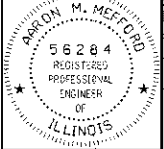
B.M.-I.P. +121+93.94, 16.06' RT = 497.91

323 W. 3RD ST.  
P.O. BOX 160  
MT. CARMEL, IL  
62853  
PHONE:  
(618)-262-9551  
FAX:  
(618)-263-3327

406 W. STATE ST.  
SUITE  
PRINCETON, IN  
47670  
PHONE:  
(812)-386-7611  
FAX:  
(812)-386-2812



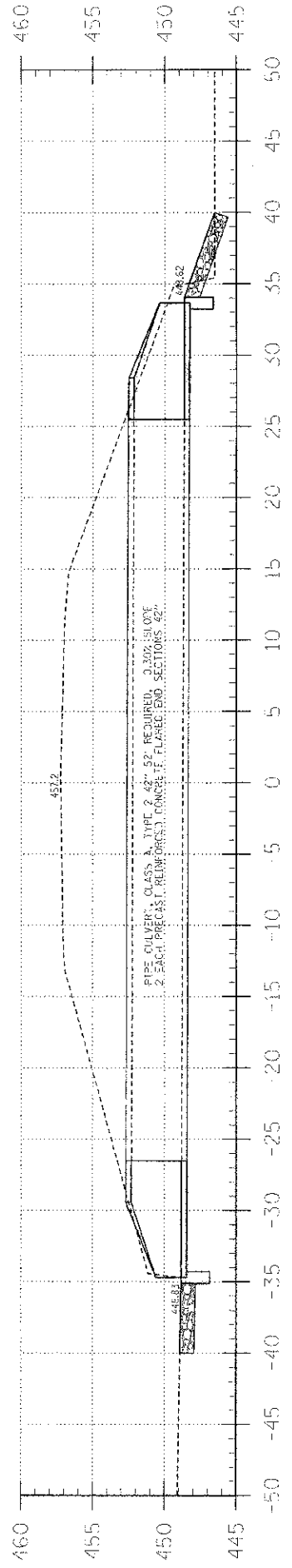
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LAND SURVEY &  
PROFESSIONAL  
ENGINEERING CORPORATION  
184-001807  
(62-032435)(35-C02769)



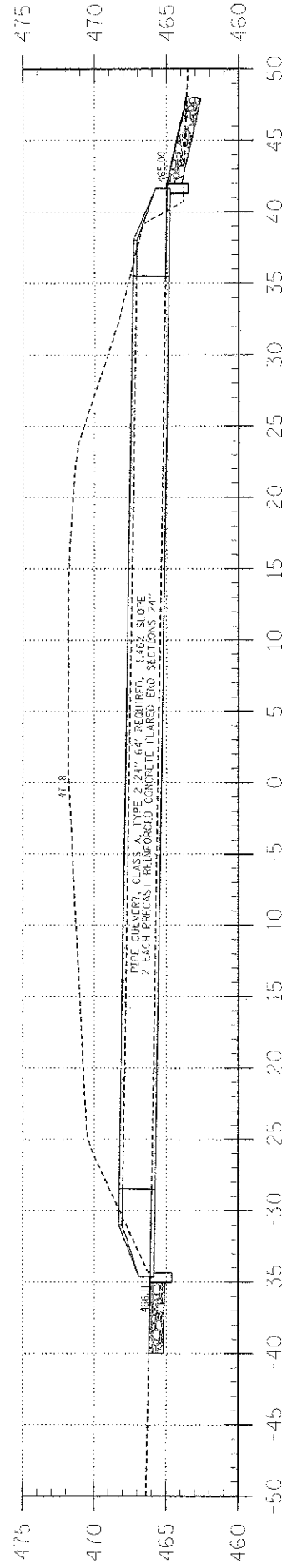
AARON M. MEEFORD  
NAME  
*Aaron M. Meeford*  
SIGNATURE  
2-1-13  
DATE  
11-30-13  
EXPIRES

DETAILS OF ACROSS ROAD PIPE CULVERTS

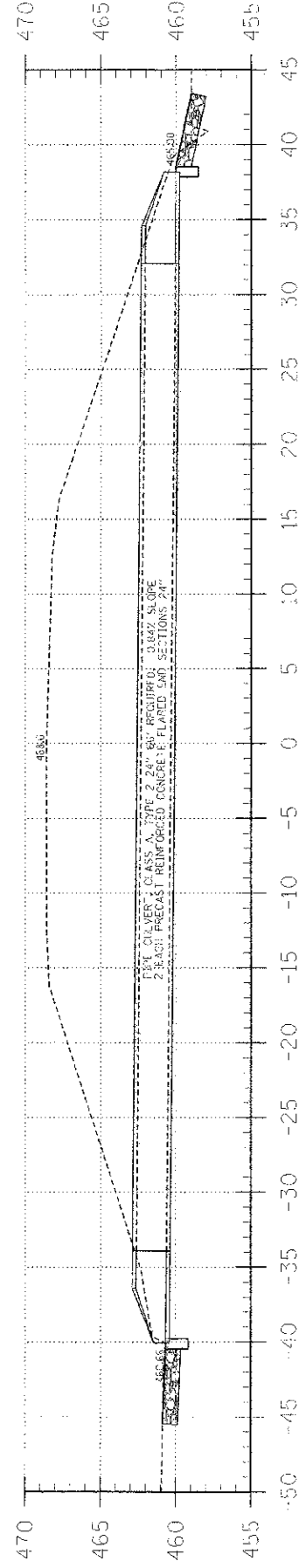
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2815	10-0005-00-RS	EDWARDS	7	6
FED. ROAD DIST. NO. 7		ILLINOIS	WEST VILLAGE RD	
LEC JOB # H11003ED		CONTRACT # 95696		



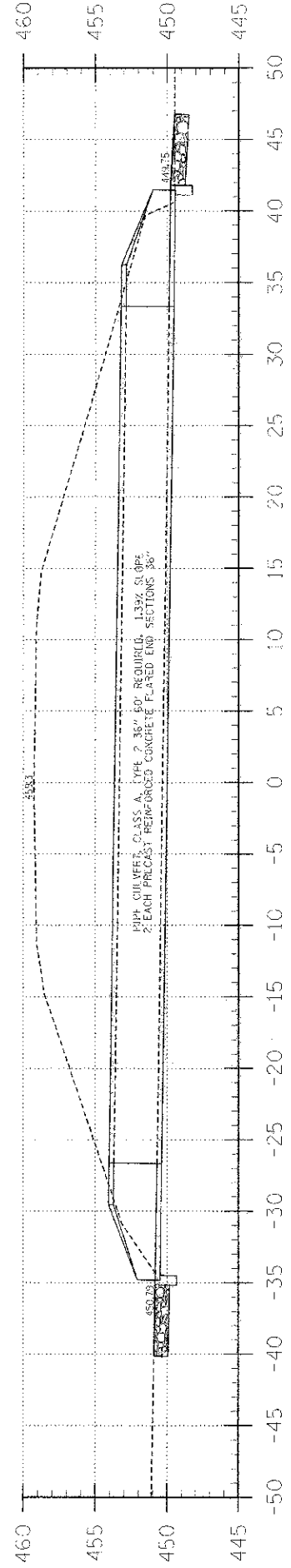
6+96 ACROSS ROAD PIPE CULVERT



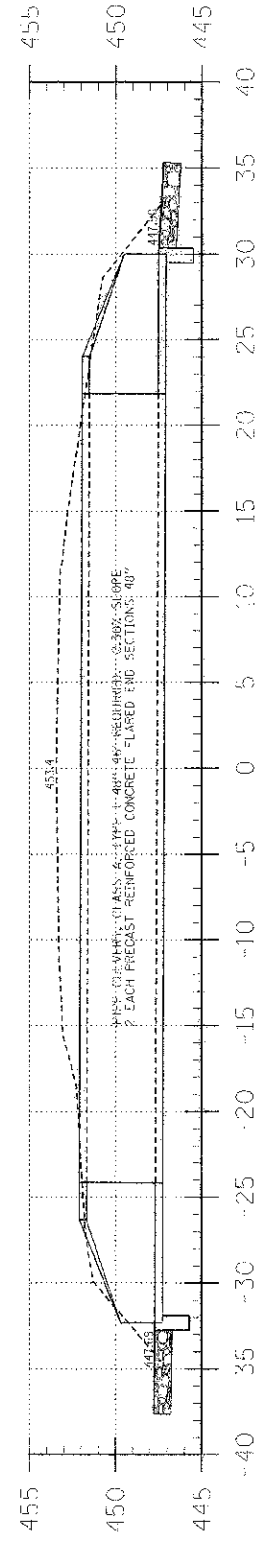
13+80.3 ACROSS ROAD PIPE CULVERT



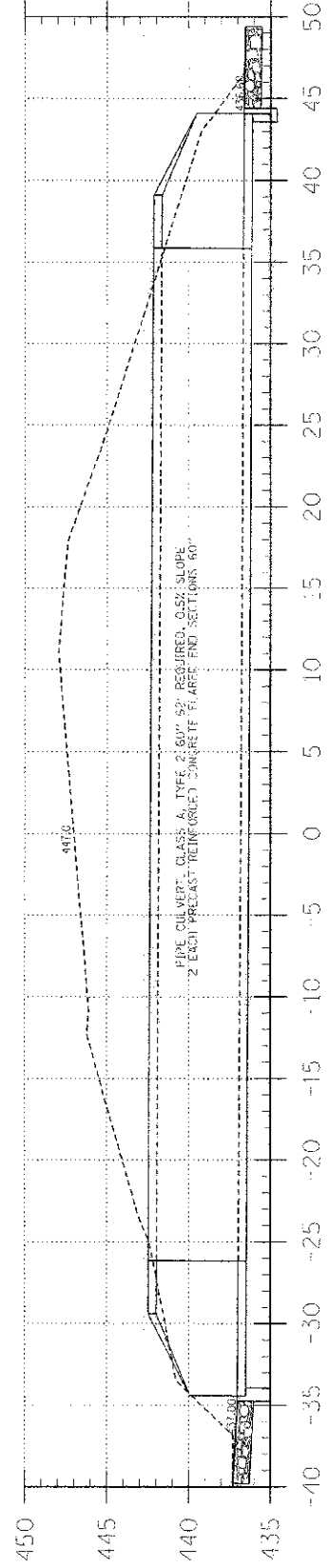
25+18 ACROSS ROAD PIPE CULVERT



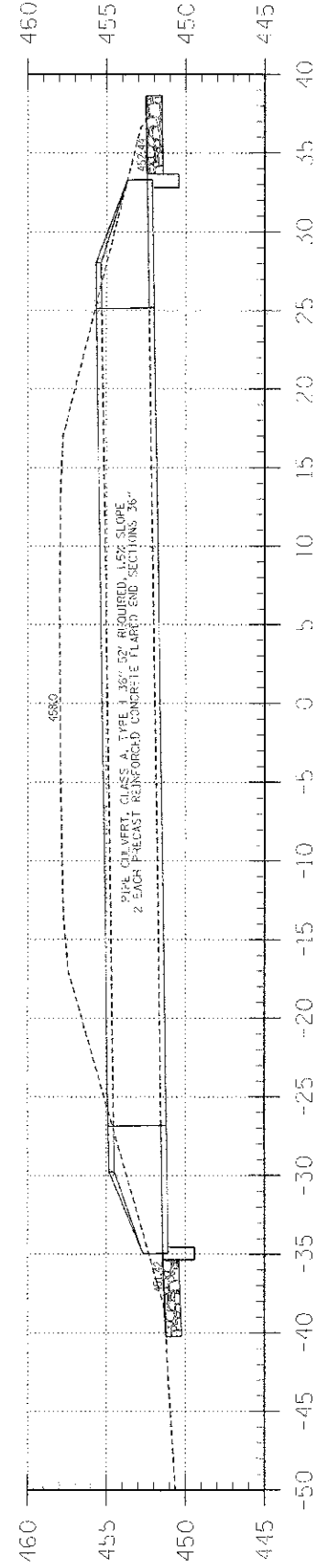
31+12 ACROSS ROAD PIPE CULVERT



48+74 ACROSS ROAD PIPE CULVERT



78+49 ACROSS ROAD PIPE CULVERT



99+24 ACROSS ROAD PIPE CULVERT

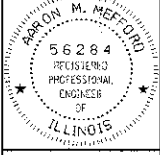
323 W. 3RD ST  
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62863  
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CORPORATION  
184-000887  
(82-02435)(35-002789)



AARON M. MEFFORD

NAME  
*Aaron Mefford*  
SIGNATURE

DATE  
2-1-13

EXPIRES  
11-30-13

