

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1)M-3	ROCK ISLAND	25 +	1

26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

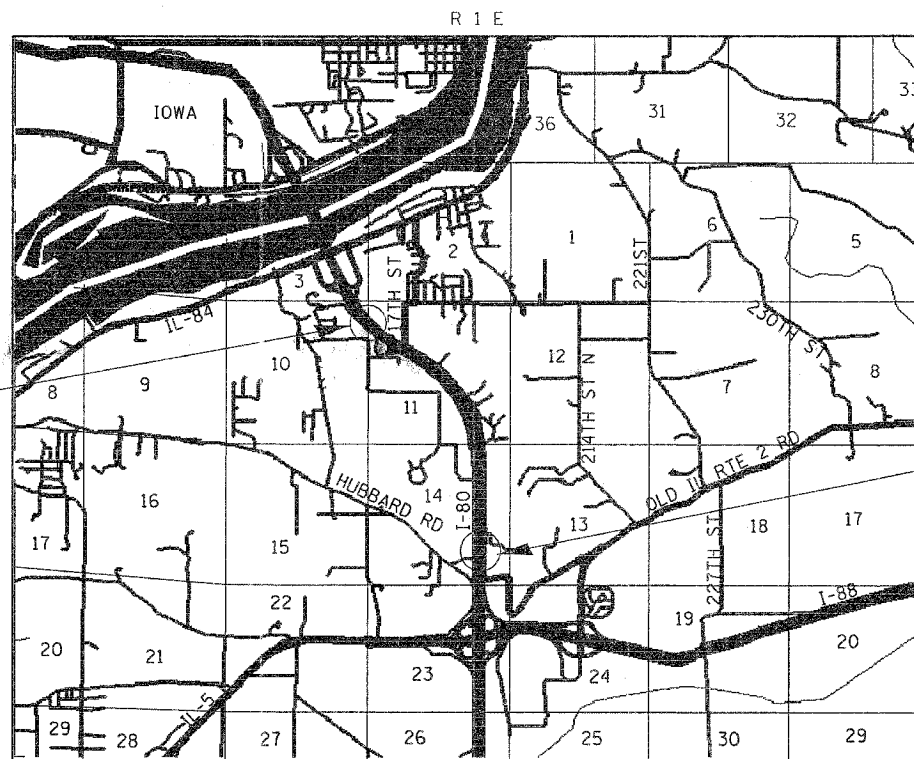
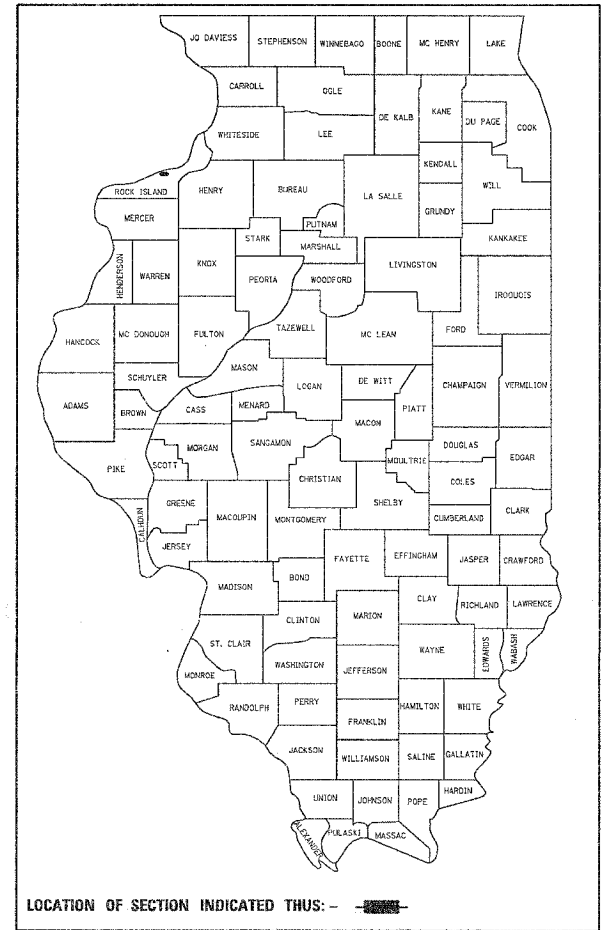
FAI ROUTE 80 (I-80)
SECTION (81-1) M-3
PROJECT NHI-080-1 (140)003
ROCK ISLAND COUNTY
C-92-106-05

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF STANDARDS, SEE SHEET NO. 2

TRAFFIC VOLUMES:

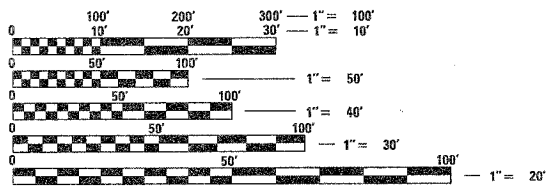
I-80
CURRENT ADT: 26,000 (2005) 36% TRUCKS

D-92-085-03



CROSS-OVER #1
IMPROVEMENT BEGINS STA. 79+72.50
IMPROVEMENT ENDS STA. 85+27.50

CROSS-OVER #2
IMPROVEMENT BEGINS STA. 180+45.00
IMPROVEMENT ENDS STA. 186+00.00



HAMPTON TOWNSHIP, SECTION 10, 11, 14

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

NET LENGTH OF IMPROVEMENT = 1110 FEET = .21 MILES
GROSS LENGTH OF IMPROVEMENT = 10627.5 FEET = 2.01 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 14, 2006

Joseph E. Anderson
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 2, 2007

Eric E. Hamrick
ENGINEER OF DESIGN AND ENVIRONMENT

February 2, 2007

Milton R. Sees, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

SQUAD LEADER: ED CONDERMAN (815) 284-5947

PROJECT ENGINEER: REBECCA MARRUFFO

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1)M-3	ROCK ISLAND	25	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS & STANDARDS
3-3A	SUMMARY OF QUANTITIES
4	GENERAL NOTES
5	TYPICAL SECTIONS
6-8	VERTICAL & HORIZONTAL CONTROL
9-11	SCHEDULE OF QUANTITIES
12	EARTHWORK QUANTITIES
13-14	PLAN AND PROFILE SHEETS
15	DELINEATOR AND POST ORIENTATION (37.4) TYPICAL BENCHING DETAIL ON EXISTING EMBANKMENT (50.4) TYPICAL MEDIAN CROSS-OVER CLOSURE (98.4)
16	SLOTTED DRAIN PIPE (61.2) WITNESS MARKER & PERMANENT SURVEY MARKERS TYPE II (66.2)
17	STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN (2.1)
18-19	64' MEDIAN CROSS-OVER (91.1)
20-25	CROSS SECTIONS

STATE STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
420001-06	PAVEMENT JOINTS
420101-03	7.2M (24') JOINTED PCC PAVEMENT
542546	FLUSH INLET BOX FOR MEDIAN
601001-1	SUB-BASE SURFACE DRAINS
601101	CONCRETE HEADWALL FOR PIPE DRAIN
667101	PERMANENT SURVEY MARKERS
701101-01	TYPICAL APPLICATIONS FOR TRAFFIC CONTROL DEVICES
701106-01	TYPICAL APPLICATIONS FOR TRAFFIC CONTROL DEVICES
701400-02	TYPICAL APPLICATIONS FOR TRAFFIC CONTROL DEVICES
701401-03	TYPICAL APPLICATIONS FOR TRAFFIC CONTROL DEVICES
701426-02	LANE CLOSURE MULTILANE, INTERMITTENT OR MOVING OPERATIONS
702001-06	TRAFFIC CONTROL DEVICES
720011	POSTS, METAL, FOR SIGNS, MARKERS, AND DELINEATORS
728001	SIGN SUPPORT, TELESCOPING STEEL
729001	POSTS, METAL, APPLICATIONS FOR TYPE A AND B
780001-01	TYPICAL PAVEMENT MARKINGS

PLOT DATE = Thu Dec 14 09:59:51 2006
 FILE NAME = I:\2006\64934\64934.dgn
 PLOT SCALE = 50.0000 / IN.
 USER NAME = gremtpm

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. HORIZ. DATE
DRAWN BY		CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1)M-3	ROCK ISLAND	25	3
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	URBAN	
			TOTAL QUANTITY	J 000
			90% FEDERAL	10% STATE
20200100	EARTH EXCAVATION	CU YD	2225	2225
20201400	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	325	325
25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	50	50
25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	50	50
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	50	50
25100630	EROSION CONTROL BLANKET	SQ YD	2565	2565
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	159	159
28000300	TEMPORARY DITCH CHECKS	EACH	16	16
28000500	INLET AND PIPE PROTECTION	EACH	4	4
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	5060	5060
31100920	SUB-BASE GRANULAR MATERIAL, TYPE A 15"	SQ YD	335	335
31100965	SUB-BASE GRANULAR MATERIAL, TYPE A 24"	SQ YD	185	185
40603550	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N105	TON	148	148
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	4751	4751
42001300	PROTECTIVE COAT	SQ YD	3611	3611
44004250	PAVED SHOULDER REMOVAL	SQ YD	1037	1037
48100100	AGGREGATE SHOULDERS, TYPE A	TON	845	845
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	350	350

PLOT DATE = Thu Dec 14 09:29:31 2006
 PLOT SCALE = 50.0000 / IN.
 USER NAME = gprntpm

F.A.14 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1)M-3	ROCK ISLAND	25	3A
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	URBAN	
			TOTAL QUANTITY	90% FEDERAL 10% STATE
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	330	330
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	1	1
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	8	8
60107600	PIPE UNDERDRAINS 4"	FOOT	2220	2220
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	163	163
63500105	DELINEATORS	EACH	4	4
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2
67100100	MOBILIZATION	L SUM	1	1
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	3	3
70101005	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL)	EACH	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20	20
X0322288	MEDIAN CLOSURE	EACH	2	2
X0322392	BEVELED PIPE AND GUARD	EACH	3	3
X0484300	MEDIAN INLET BOX REMOVAL	EACH	1	1
* X7800510	POLYUREA PAVEMENT MARKING SPECIAL - LINE 4"	FOOT	2246	2246
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	3700	3700
Z0040530	PIPE UNDERDRAIN REMOVAL	FOOT	2220	2220
Z0065752	SLOTTED DRAIN 12" WITH 6" SLOT	FOOT	252	252

* SPECIALTY ITEMS

PLOT DATE = Thu Dec 14 09:25:31 2006
 PLOT SCALE = 50.0000 / IN.
 USER NAME = gremtam

GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 80	(81-1)M-3	Rock Island	25	4
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64934				

See cross sections for special ditches and backslopes.

The removal of Bituminous Surfacing not on a rigid type base removed in conjunction with the base shall be removed as EARTH EXCAVATION. The removal of Bituminous Surfacing on a rigid type base removed in conjunction with the base shall be included in the contract unit price for PAVEMENT REMOVAL of the type specified.

The final top 100 mm (four inches) of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils.

The Contractor shall seed all disturbed areas within the project limits. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.

Previously pugmilled stockpiles of "Type A" older than 1 month will not be approved for use until a moisture check is run to verify moisture content. Material shipped to projects without being tested will not be accepted.

The subgrade on this project, exclusive of rock cut areas is scheduled to be improved to a 300 mm (12") depth according to Mechanistic Pavement Design. The areas scheduled to be improved to a depth greater than 300 mm (12") are estimated based on the original geotechnical investigation. The subgrade shall be processed in accordance with Article 301.03 of the Standard Specifications before the engineer shall determine the limits and the additional thickness of improvement required, if any. Any additional undercutting required after this evaluation shall be paid for as EARTH EXCAVATION.

Except for the top 75 mm (3"), all aggregate bases and subbases 300 mm (12") in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 300 mm (12"), the bases or subbases shall be constructed of topsize 150 mm (6") breaker-run crushed stone with 70% to 90% by weight, passing the 4" sieve and 15% to 40% by weight, passing the 50 mm (2") size sieve, except for the top 75 mm (3"). The breaker-run crushed stone shall be reasonably uniformly graded from coarse to fine and be taken from a quarry ledge capable of producing Class "D" quality aggregate. The top 75 mm (3") shall be gradation CA-6 or CA-10 regardless of thickness. The water necessary to achieve compaction in all but the top 75 mm (3") layer may be added after the subbase or base course is placed on the grade.

All embankment constructed of cohesive soil shall be constructed with not more than 110% of optimum moisture content, determined by the standard proctor test. Cohesive soil shall be defined as any soil which contains greater than 10% particles by weight passing the 75 µm (#200 sieve). The 110% of optimum moisture limit may be waived in free-draining granular material when approved by the Engineer.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface
PG:	SBS PG 70-22
Design Air Voids	4.2 @ N105
Mixture Composition (Gradation Mixture)	IL 9.5 or IL 12.5
Friction Aggregate	D
20 Year ESAL	53.9

Bituminous and Aggregate prime coat shall be placed in accordance with Section 406 of the Standard Specifications. The cost of the prime coats shall be included in the contract unit price per metric ton (ton) for POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE of the type specified.

The underdrain system scheduled on this project is to be constructed in accordance with Section 601 of the Standard Specifications for Road and Bridge Construction, except when the Recurring Special Provision Pipe Underdrains is included, the fabric envelope encasement of the pipe shall be omitted.

Delineators shall be installed with back-to-back amber reflectors on each post and only metal-backed delineators shall be permitted.

Permanent Survey Markers, Type II shall be cast-in-place as shown on Highway Standard 667101.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The Engineer shall submit this information to the Survey Crew.

Tie bars shall be installed to tie PCC appurtenance to adjacent existing concrete pavement.

Tie the following to the existing concrete pavement		Length, size, and spacing of Tie Bars
Gutter or Curb & Gutter	Std. 606001	600 mm (24") long No. 20 (No. 6) @ 600 mm (24") centers
PCC Base Course	Std. 353001	600 mm (24") long No. 20 (No. 6) @ 750 mm (30") centers
PCC Pavement	Std. 420101	600 mm (24") long No. 20 (No. 6) @ 750 mm (30") centers

Tie bars to be installed in accordance with the applicable portions of Article 420.10(b) of the Standard Specifications. See Highway Standard 420001 for detail on longitudinal construction joint grouted-in-place tie bar. The cost of the tie bars to be included in the cost of the PCC appurtenance adjacent to the existing pavement.

CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work.

The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

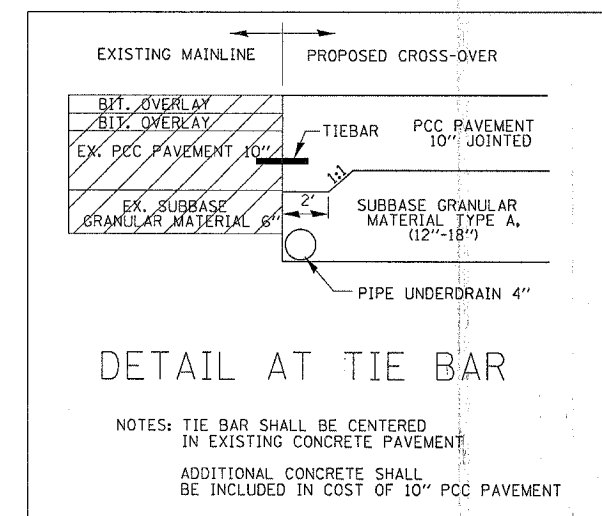
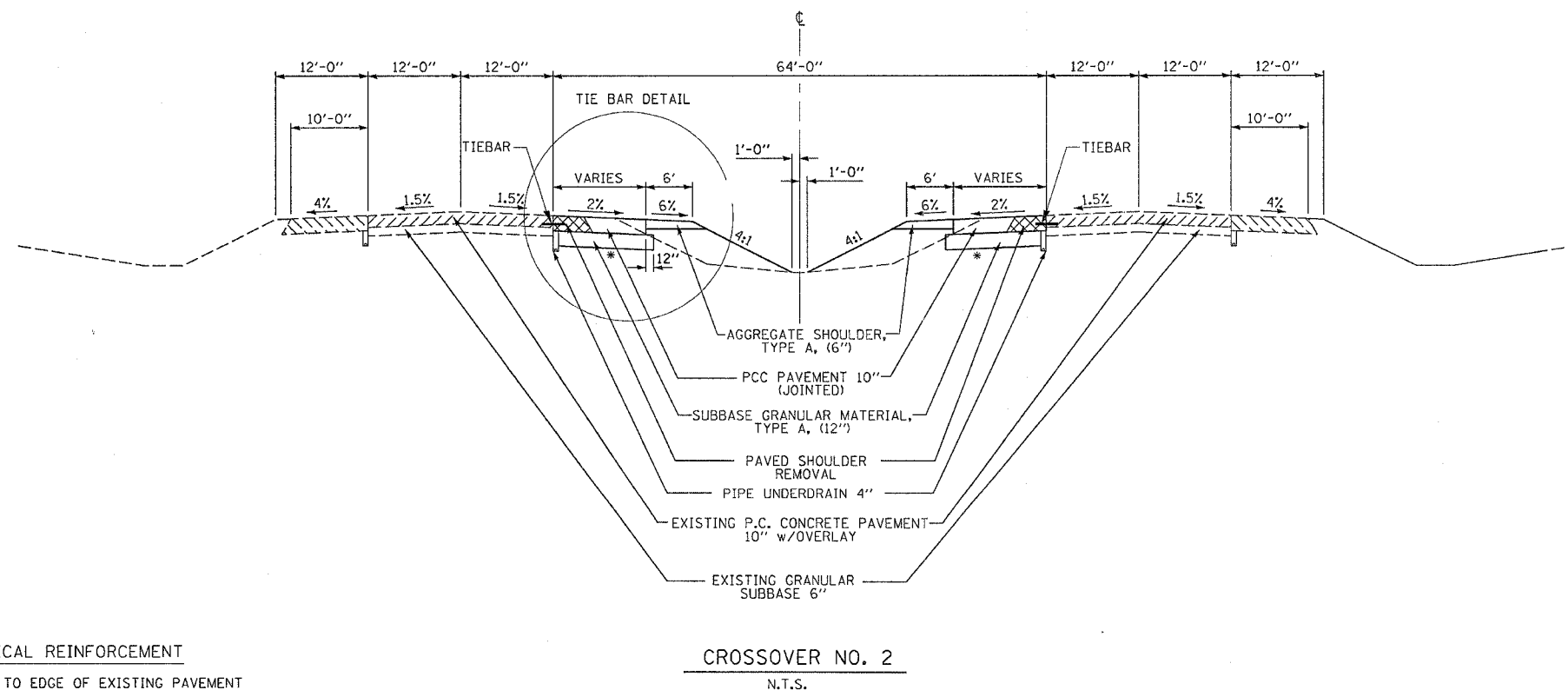
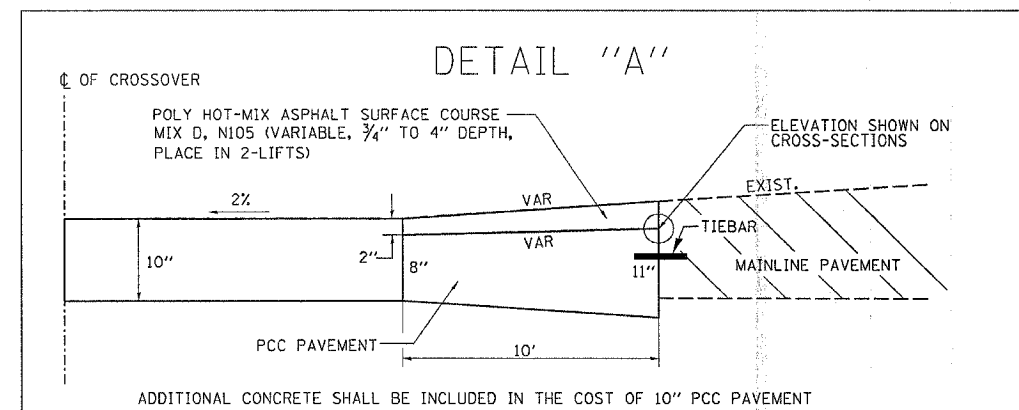
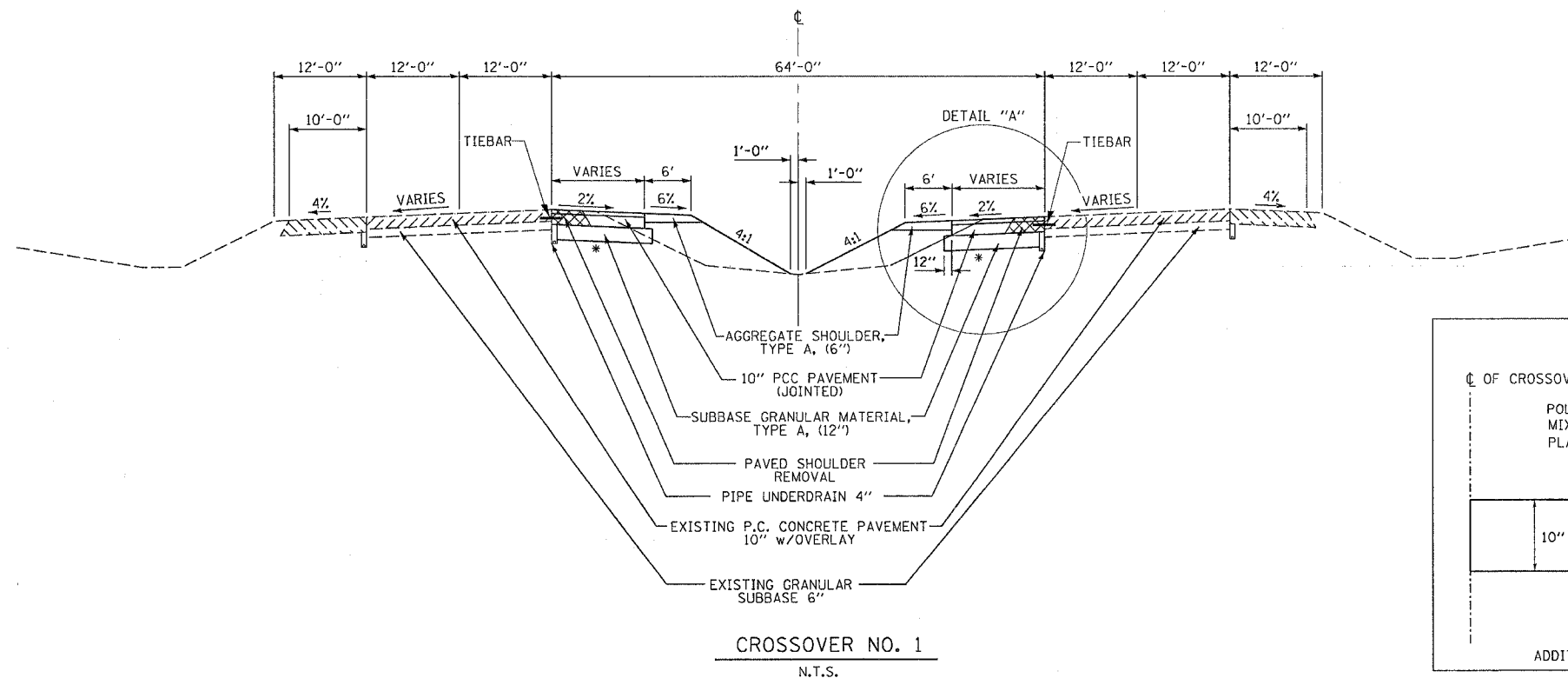
MidAmerican Energy Co.	Citizens/Frontier
AT&T Cable of Iowa	McLeod USA
Mediacom	Lightcore
Iowa Network Services, Inc.	Rapids City Village Office
Cedar Brook Estates Municipal Water	

The existing vegetation, soft sediment and topsoil shall be stripped from the existing median to a minimum depth of 6", or until a firm foundation soil is encountered. This work shall be measured for payment as EARTH EXCAVATION.

Program #5
(Arch. Size)
Enlarge
200%
Enlarge 107%

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1M-3)	ROCK ISLAND	25	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL SECTIONS



GEOTECHNICAL REINFORCEMENT

* 15 FT ADJACENT TO EDGE OF EXISTING PAVEMENT

PLOT DATE = Thu Dec 14 07:42:27 2006
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 PLOT SCALE = 1/8" = 1'-0"
 REFERENCE = REF'S

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	181-1M-3	ROCK ISLAND	25	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

HORIZONTAL & VERTICAL CONTROL

Chain I80 contains:
1 CUR 200 CUR 210 CUR 220 CUR 230 CUR 240 CUR 1250 31

Beginning chain I80 description
=====

Point 1 N 1,791,139.6465 E 2,241,631.9500 Sta 16+69.53

Course from 1 to PC 200 155° 22' 53.34" Dist 4,558.4706'

Curve Data

Curve 200
P.I. Station 80+65.81 N 1,785,324.7735 E 2,244,296.4801
Delta = 35° 33' 54.23" (LT)
Degree = 0° 59' 59.66"
Tangent = 1,837.8150'
Length = 3,556.8458'
Radius = 5,730.1246'
External = 287.5071'
Long Chord = 3,500.0177'
Mid. Ord. = 273.7708'
P.C. Station 62+28.00 N 1,786,995.5339 E 2,243,530.8931
P.T. Station 97+84.85 N 1,784,410.9704 E 2,245,891.0106
C.C. N 1,789,382.5583 E 2,248,740.1582

Course from PT 200 to PC 210 119° 48' 59.11" Dist 394.5479'

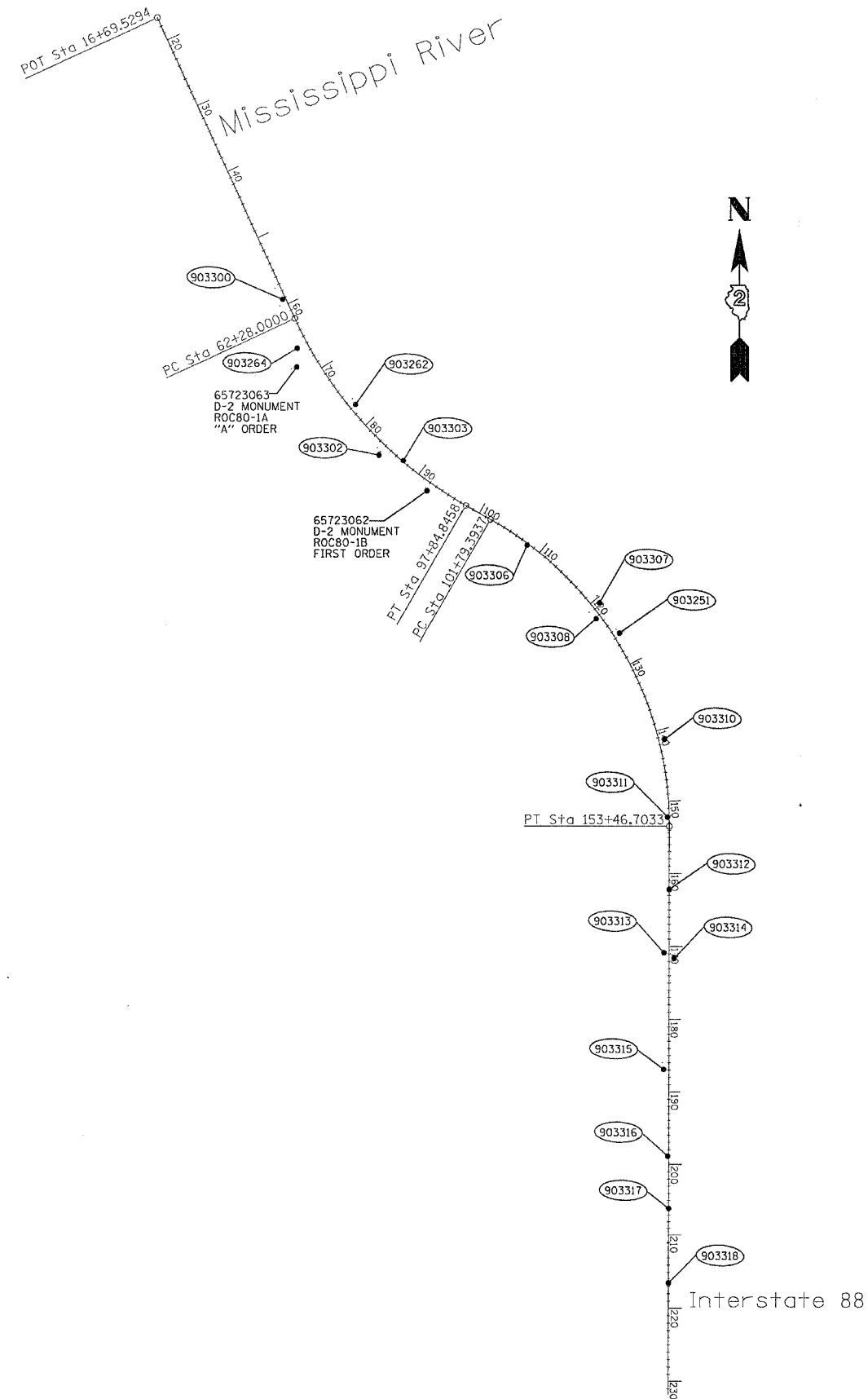
Curve Data

Curve 210
P.I. Station 130+30.99 N 1,782,796.9137 E 2,248,707.4407
Delta = 60° 16' 18.85" (RT)
Degree = 1° 09' 59.07"
Tangent = 2,851.5971'
Length = 5,167.3096'
Radius = 4,912.1568'
External = 767.7103'
Long Chord = 4,932.3309'
Mid. Ord. = 663.9439'
P.C. Station 101+79.39 N 1,784,214.7922 E 2,246,233.3295
P.T. Station 153+46.70 N 1,779,945.3200 E 2,248,703.0450
C.C. N 1,779,952.8920 E 2,243,790.8940

Course from PT 210 to PC 220 180° 05' 17.95" Dist 14,136.3378'

CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
I80	200	200	201	202	203
I80	210	210	211	212	213



PLT DATE = Thu Dec 14 07:42:11 2006
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APP NAME = hvc
USER NAME = gromph

HORIZONTAL & VERTICAL CONTROL

CONTRACT NO. 64934					
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
80	(81-1M-3	ROCK ISLAND	25	7	
STA.			TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	1782982.5350	2247890.9900	670.5330	180	122+13.1716	185.8353' LT	SURVEY POINT
101	1782814.8440	2248059.2870	670.2110	180	124+37.7616	226.9042' LT	SURVEY POINT
102	1782730.3940	2247643.6070	660.8530	180	122+70.8537	162.6395' RT	SURVEY POINT
103	1782844.2970	2247528.3370	651.6490	180	121+04.6983	186.8311' RT	SURVEY POINT
104	1778087.3390	2248512.7350	649.9520	180	172+04.9754	187.4457' RT	SURVEY POINT

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
400	1786876.7600	2243514.7930	626.2050	180	63+28.14	64.9997' RT	SIGN FOUNDATION, CROSS CUT
402	1785127.1430	2244901.0280	693.8630	180	85+60.77	1.1475' RT	SIGN FOUNDATION, CROSS CUT
404	1761839.8160	2249375.3650	590.9640	180	335+41.51	77.4166' RT	SIGN FOUNDATION, CROSS CUT
406	1783953.7890	2246460.4930	694.0190	180	105+13.48	102.3818' RT	FOUNDATION, CROSS CUT
408	1782916.6400	2247592.4680	676.6510	180	120+86.38	91.8075' RT	SIGN FOUNDATION, CROSS CUT
410	1780779.3460	2248543.7940	692.6690	180	144+93.44	87.9383' RT	TRAFFIC SIGNAL FOUNDATION, CROSS CUT
411	1779774.8380	2248712.6180	690.2600	180	155+17.17	9.8358' LT	SIGN FOUNDATION, CROSS CUT
413	1777486.1320	2248604.9960	658.2780	180	178+06.04	94.2581' RT	SIGN FOUNDATION, CROSS CUT
415	1776693.1340	2248602.9300	666.2600	180	185+99.04	95.1017' RT	SIGN FOUNDATION, CROSS CUT
417	1775108.1680	2248694.3020	656.8300	180	201+83.86	1.2866' RT	SIGN FOUNDATION, CROSS CUT
418	1773629.0210	2248772.1820	617.2770	180	216+62.89	78.8734' LT	WALL, PLUG

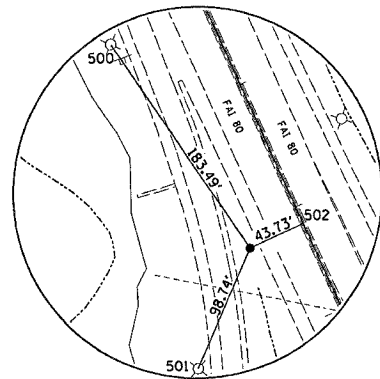
HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
903251	1782626.1790	2248014.6620	683.8070	180	125+67.34	86.511' LT	GPS CONTROL POINT, PIN
903262	1785809.9760	2244367.8310	671.9090	180	76+91.48	83.8348' LT	GPS CONTROL POINT, PIN
903264	1786588.8030	2243563.7700	639.7390	180	66+01.81	152.0572' RT	GPS CONTROL POINT, PIN
903300	1787263.2180	2243360.0060	618.2360	180	59+13.46	43.8433' RT	GPS CONTROL POINT, PIN
903302	1785113.7280	2244690.9370	699.1040	180	84+17.59	153.6755' RT	GPS CONTROL POINT, PIN
903303	1785037.5810	2245029.0820	695.6380	180	87+16.30	16.0268' LT	GPS CONTROL POINT, PIN
903306	1783855.2050	2246738.5820	696.6100	180	108+00.95	21.6649' RT	GPS CONTROL POINT, PIN
903307	1783051.9340	2247739.1390	681.6730	180	120+70.21	107.0762' LT	GPS CONTROL POINT, PIN
903308	1782826.9460	2247690.4260	683.1680	180	122+19.20	67.9297' RT	GPS CONTROL POINT, PIN
903310	1781156.2270	2248633.9280	692.0210	180	141+42.85	78.1331' LT	GPS CONTROL POINT, PIN
903311	1780074.0720	2248678.3180	693.3860	180	152+17.36	23.2308' RT	GPS CONTROL POINT, PIN
903312	1779076.6930	2248701.7060	677.3740	180	162+15.33	0.0000'	GPS CONTROL POINT, PIN
903313	1778208.4200	2248628.4230	660.6520	180	170+83.72	71.9445' RT	GPS CONTROL POINT, PIN
903314	1778133.6970	2248768.2190	660.4880	180	171+58.22	67.9665' LT	GPS CONTROL POINT, PIN
903315	1776602.2320	2248624.8210	671.1880	180	186+89.91	73.0706' RT	GPS CONTROL POINT, PIN
903316	1775411.6020	2248680.6630	661.6980	180	198+80.45	15.3933' RT	GPS CONTROL POINT, PIN
903317	1774686.1510	2248694.6200	644.7000	180	206+05.88	0.318' RT	GPS CONTROL POINT, PIN
903318	1773637.7490	2248692.9150	614.8440	180	216+54.28	0.4069' RT	GPS CONTROL POINT, PIN
65723062	1784613.0730	2245354.0900	698.3590	180	92+29.17	119.1016' RT	HORIZONTAL CONTROL STATION, PERM. SURVEY MARKER
65723063	1786328.6870	2243555.4930	684.4910	180	68+16.10	287.0909' RT	HORIZONTAL CONTROL STATION, PERM. SURVEY MARKER

REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	180	57+32.79	75.9566' RT	LIGHT POLE, SHINER
501	180	59+79.53	117.2255' RT	LIGHT POLE, SHINER
502	180	59+13.53	0.1103' RT	WALL, CHISELED "X"
503	180	65+99.32	194.4091' RT	GUTTER, CHISELED "X"
504	180	66+18.88	180.4286' RT	GUTTER, CHISELED "X"
505	180	66+48.23	163.0379' RT	GUTTER, CHISELED "X"
506	180	76+03.55	98.8925' LT	LIGHT POLE, SHINER
507	180	76+94.27	100.4132' LT	TELEPHONE & TELEGRAPH POLE, CHISELED "X"
508	180	76+94.06	71.7278' LT	PAVEMENT STATION NUMBER, RAMP
509	180	84+19.18	176.6281' RT	PAVEMENT - EDGE, CHISELED "X"
510	180	83+99.59	102.2288' RT	LIGHT POLE, SHINER
511	180	83+34.25	97.0823' RT	SIGN POLE, SHINER
512	180	85+99.73	4.6245' RT	HEADWALL, CHISELED "X"
513	180	85+72.44	0.3568' LT	SIGN POLE, SHINER
514	180	87+15.93	28.7036' LT	SHOULDER, NAIL
515	180	68+01.82	365.2955' RT	LIGHT POLE, SHINER
516	180	68+08.51	336.7372' RT	MANHOLE GRATE, CENTER
517	180	68+35.92	284.3102' RT	MANHOLE LID, CENTER
518	180	91+90.14	96.3212' RT	LIGHT POLE, SHINER
519	180	91+94.29	116.6624' RT	HEADWALL, CHISELED "X"
520	180	92+28.55	158.9055' RT	PAVEMENT - EDGE, CHISELED "X"
521	180	107+82.36	28.1941' RT	SHOULDER, NAIL
522	180	108+00.04	28.2719' RT	SHOULDER, NAIL
523	180	108+17.41	28.1578' RT	SHOULDER, NAIL
524	180	121+07.41	140.6223' LT	18" TREE DECIDUOUS, SHINER
525	180	121+70.16	108.7102' LT	0.4' TILE, STANDARD OUTLET
526	180	119+75.33	140.9537' LT	TREE EVERGREEN
527	180	122+60.73	75.244' RT	0.4' TILE, STANDARD OUTLET
528	180	120+87.10	90.8076' RT	SIGN POLE, SHINER
529	180	124+99.39	72.2666' LT	MANHOLE GRATE, CENTER
530	180	125+13.30	81.2233' LT	0.4' TILE, STANDARD OUTLET
531	180	125+82.36	152.3024' LT	TREE DECIDUOUS
532	180	141+14.02	67.8687' LT	GUARDRAIL STEEL PLATE BEAM, END
533	180	141+00.54	80.7294' LT	DROP INLET, CENTER
534	180	142+05.59	135.9938' RT	LIGHT POLE, SHINER
535	180	151+98.04	14.7237' RT	0.4' TILE, STANDARD OUTLET
536	180	151+98.19	10.8384' LT	0.4' TILE, STANDARD OUTLET
537	180	154+34.18	17.4972' RT	GUARDRAIL STEEL PLATE BEAM, END
538	180	161+97.19	0.936' RT	MANHOLE GRATE, CENTER
539	180	161+71.86	17.071' LT	0.4' TILE, STANDARD OUTLET
540	180	161+72.66	11.7498' RT	0.4' TILE, STANDARD OUTLET
541	180	170+06.02	99.8833' RT	SIGN FOUNDATION, CHISELED "X"
542	180	170+64.98	96.5564' RT	PAVED DITCH, CHISELED "X"
543	180	170+98.17	82.4842' RT	0.4' TILE, STANDARD OUTLET
544	180	170+96.51	77.9094' LT	0.4' TILE, STANDARD OUTLET
545	180	171+36.93	65.7517' LT	SHOULDER, NAIL
546	180	171+79.63	65.6485' LT	SHOULDER, NAIL
547	180	187+09.14	66.7909' RT	SHOULDER, NAIL
548	180	186+75.26	66.7741' RT	SHOULDER, NAIL
549	180	185+99.49	93.994' RT	SIGN POLE, SHINER
550	180	200+95.39	7.256' RT	GUARDRAIL STEEL PLATE BEAM, END
551	180	198+80.33	26.2735' RT	SHOULDER, NAIL
552	180	198+66.27	26.2992' RT	SHOULDER, NAIL
553	180	206+11.05	0.2221' RT	GUARDPOST, SHINER
554	180	205+91.50	0.1718' LT	MANHOLE GRATE, CENTER
555	180	205+34.84	16.3006' RT	0.4' TILE, STANDARD OUTLET
556	180	215+96.28	1.2283' RT	MANHOLE GRATE, CENTER
557	180	216+82.62	24.2943' RT	TOP OF WINGWALL, CHISELED "X"
558	180	216+67.48	23.2464' LT	TOP OF WINGWALL, CHISELED "X"

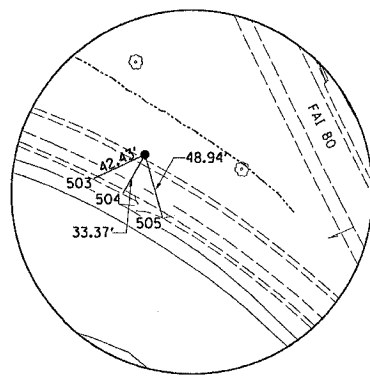
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

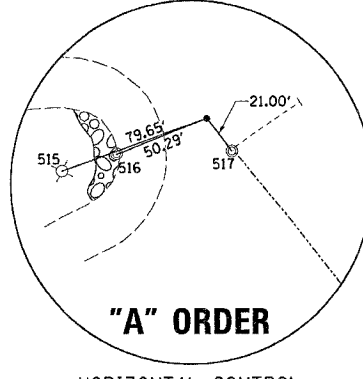
HORIZONTAL & VERTICAL CONTROL



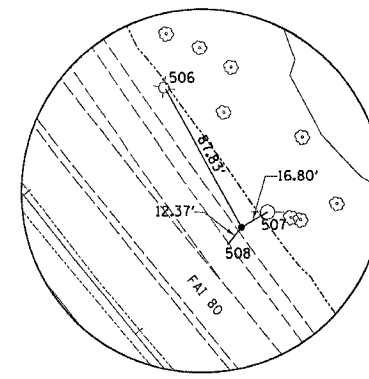
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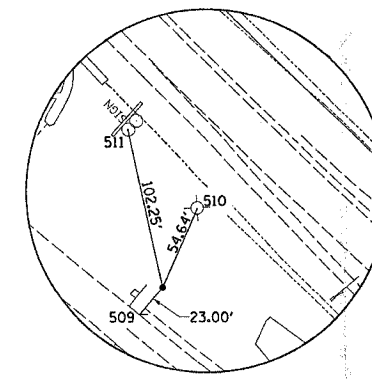
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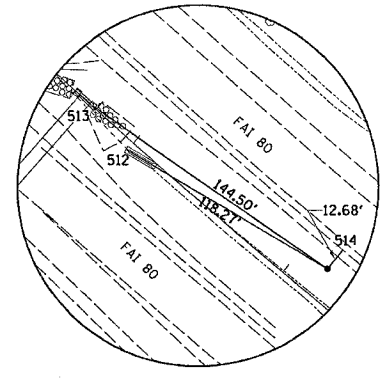
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ROC80-1A



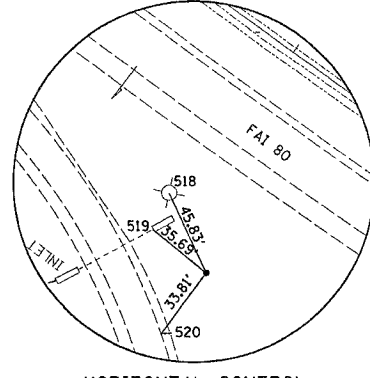
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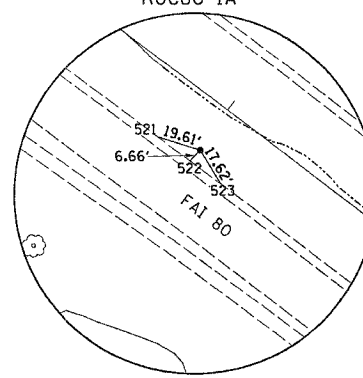
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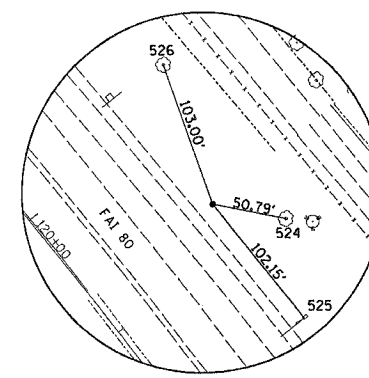
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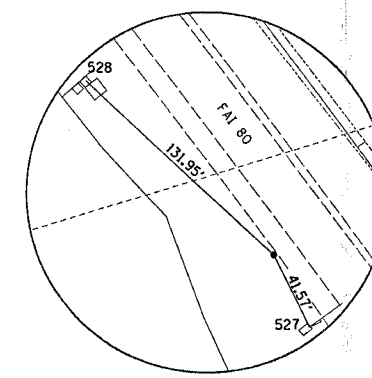
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POINT No. 65723062
ROC80-1B



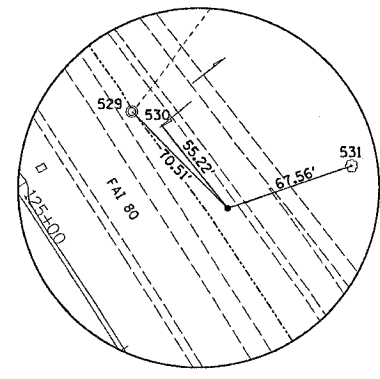
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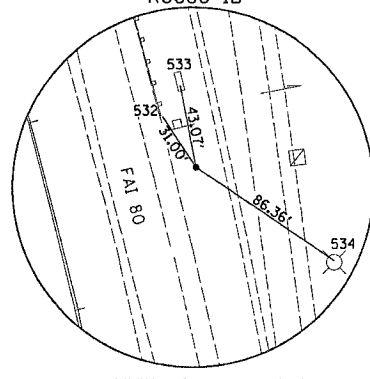
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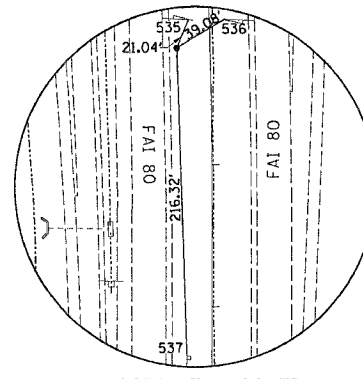
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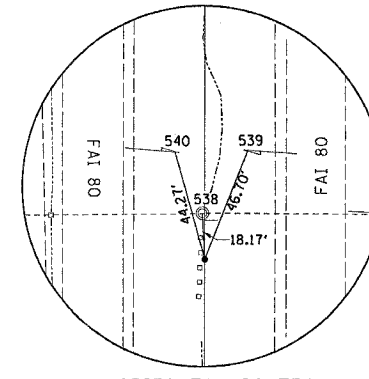
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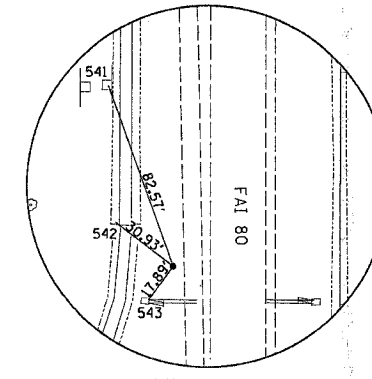
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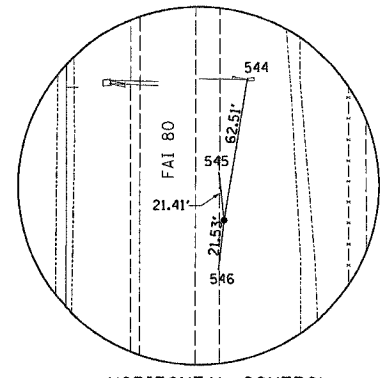
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POINT No. 903311



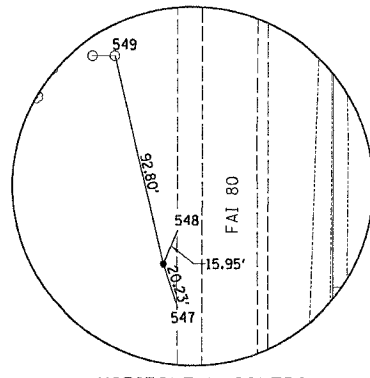
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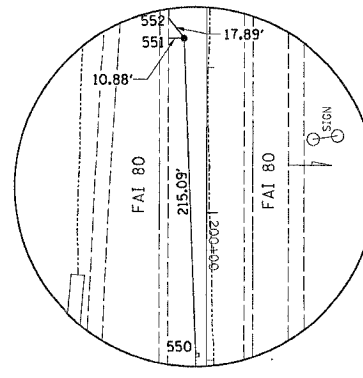
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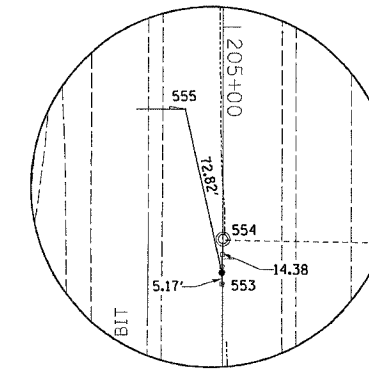
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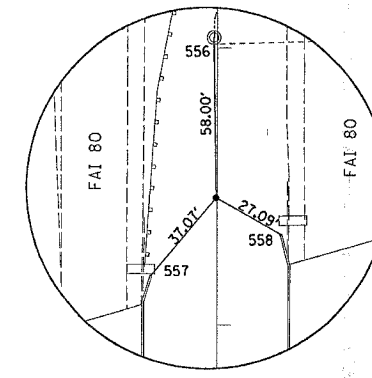
HORIZONTAL CONTROL
POINT No. 903315



HORIZONTAL CONTROL
POINT No. 903316



HORIZONTAL CONTROL
POINT No. 903317



HORIZONTAL CONTROL
POINT No. 903318

HORIZONTAL & VERTICAL CONTROL

PLOT DATE * Thu Dec 14 07:42:12 2006
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PLOT SCALE * 1/8" = 100.00'
USER NAME * grompton

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1)M-3	ROCK ISLAND	25	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

20201400 SUB-BASE GRANULAR MATERIAL, TYPE A

ION	LOCATION
325	ENTIRE PROJECT
TOTAL	325.0

REMARKS
ESTIMATE, replacement material for unsuitable material below UNDERDRAIN. Location(s) determined by Engineer

25000210 SEEDING, CLASS 2A

ACRE	LOCATION
0.28	78 + 00.0 TO 86 + 50.0
0.25	178 + 50.0 TO 187 + 50.0
TOTAL	0.53

REMARKS
North Crossover
South Crossover

28000300 TEMPORARY DITCH CHECKS

EACH	LOCATION	REMARKS
1	77+00	CL North Crossover
1	77+25	CL North Crossover
1	77+50	CL North Crossover
1	77+75	CL North Crossover
1	84+25	CL North Crossover
1	84+50	CL North Crossover
1	86+50	CL North Crossover
1	86+75	CL North Crossover
1	179+50	CL South Crossover
1	180+00	CL South Crossover
1	180+25	CL South Crossover
1	180+50	CL South Crossover
1	180+75	CL South Crossover
1	184+75	CL South Crossover
1	185+00	CL South Crossover
1	185+25	CL South Crossover
TOTAL	16.0	

25000400 NITROGEN FERTILIZER NUTRIENT

POUND	LOCATION
25.2	78 + 00.0 TO 86 + 50.0
22.5	178 + 50.0 TO 187 + 50.0
TOTAL	47.7

REMARKS
North Crossover
South Crossover

25000500 PHOSPHOROLS FERTILIZER NUTRIENT

POUND	LOCATION
25.2	78 + 00.0 TO 86 + 50.0
22.5	178 + 50.0 TO 187 + 50.0
TOTAL	47.7

REMARKS
North Crossover
South Crossover

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION	REMARKS
1	81+00	CL Drop box
1	86+20	CL Median Inlet
1	173+95	CL Drop box
1	184+55	CL Median Inlet
TOTAL	4.0	

25000600 POTASSIUM FERTILIZER NUTRIENT

POUND	LOCATION
25.2	78 + 00.0 TO 86 + 50.0
22.5	178 + 50.0 TO 187 + 50.0
TOTAL	47.7

REMARKS
North Crossover
South Crossover

25100630 EROSION CONTROL BLANKET

SQ YD	LOCATION
1355.2	78 + 00.0 TO 86 + 50.0
1210	178 + 50.0 TO 187 + 50.0
TOTAL	2565.20

REMARKS
North Crossover
South Crossover

31100910 SUB-BASE GRANULAR MATERIAL, TYPE A 12"

SQ YD	LOCATION	REMARKS
2500.2	79+72.5 TO 85+27.5	North Crossover - 12" DEPTH
2558.4	180+45 TO 186+00	South Crossover - 12" DEPTH
TOTAL	5058.6	

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND	LOCATION
84.00	78 + 00.0 TO 86 + 50.0
75.00	178 + 50.0 TO 187 + 50.0
TOTAL	159.0

REMARKS
North Crossover, est 3 seedings
South Crossover, estimate 3 seedings

31100920 SUB-BASE GRANULAR MATERIAL, TYPE A 15"

SQ YD	LOCATION	REMARKS
166.3	AS DIRECTED BY ENGINEER	north crossover undercut estimate
166.2	AS DIRECTED BY ENGINEER	south crossover undercut estimate
TOTAL	332.6	

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 USER NAME = gromph

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1)M-3	ROCK ISLAND	25	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

31100965 SUB-BASE GRANULAR MATERIAL, TYPE A 24"

SQ YD	LOCATION	REMARKS
90.3	AS DIRECTED BY ENGINEER	north crossover undercut estimate
90.2	AS DIRECTED BY ENGINEER	south crossover undercut estimate
TOTAL 180.6		

40603550 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N105

TON	LOCATION	TO	REMARKS
83.88	79+72.5	85+27.5	RT North Cross-over
63.87	79+72.5	85+27.5	LT
TOTAL 147.8			

42000501 PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)

SQ YD	LOCATION	TO	REMARKS
2376.3	79+72.5	85+27.5	North Crossover
2374.6	180+45	186+00	South Crossover
TOTAL 4750.9			

42001300 PROTECTIVE COAT

SQ YD	LOCATION	TO	REMARKS
1806.7	79+72.5	85+27.5	North Crossover
1804.3	180+45	186+00	South Crossover
TOTAL 3611.0			

44004250 PAVED SHOULDER REMOVAL

SQ YD	LOCATION	TO	REMARKS
249.0	79+72.5	85+27.5	RT North Crossover
227.7	79+72.5	85+27.5	LT North Crossover
274.2	180+45	186+00	RT South Crossover
285.8	180+45	186+00	LT South Crossover
TOTAL 1036.7			

48100100 AGGREGATE SHOULDERS, TYPE A

TON	LOCATION	TO	REMARKS
409.8	79+72.5	85+27.5	6' Shoulders
433	180+45	186+00	6' Shoulders
TOTAL 842.8			

542D0220 PIPE CULVERTS, CLASS D, TYPE 1 15"

FOOT	LOCATION	TO	REMARKS
350	181+38.98	184+86.02	South Crossover
TOTAL 350.0			

542D0223 PIPE CULVERTS, CLASS D, TYPE 1 18"

FOOT	LOCATION	TO	REMARKS
330.0	81+03	84+33.2	North Crossover
TOTAL 330.0			

54244405 FLUSH INLET BOX FOR MEDIAN, STANDARD 542546

EACH	LOCATION	REMARKS
1	81+02.25	
TOTAL 1.0		

60100060 CONCRETE HEADWALL FOR PIPE DRAINS

EACH	LOCATION	REMARKS
1	79+72.5	16' RT North Crossover
1	79+72.5	16' LT North Crossover
1	85+27.5	16' RT North Crossover
1	85+27.5	16' LT North Crossover
1	180+45	16' RT South Crossover
1	180+45	16' LT South Crossover
1	186+00	16' RT South Crossover
1	186+00	16' LT South Crossover
TOTAL 8.0		

60107600 PIPE UNDERDRAINS 4"

FOOT	LOCATION	TO	REMARKS
555	79+72.5	85+27.5	32' RT
555	79+72.5	85+27.5	32' LT
555	180+45	186+00	32' RT
555	180+45	186+00	32' LT
TOTAL 2220.0			

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1)M-3	ROCK ISLAND	25	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

60108100 PIPE UNDERDRAINS 4" (SPECIAL)

FOOT	LOCATION
18.7	79+72.5 16' RT
22.8	79+72.5 16' LT
22.1	85+27.5 16' RT
20.3	85+27.5 16' LT
17.5	180+45 16' RT
17.4	180+45 16' LT
22.4	186+00 16' RT
21.8	186+00 16' LT
TOTAL	163.0

REMARKS
 North Crossover
 North Crossover
 North Crossover
 North Crossover
 South Crossover
 South Crossover
 South Crossover
 South Crossover

X7800510 POLYUREA PAVEMENT MARKING SPECIAL - LINE 4"

FOOT	LOCATION	TO	TO
1096	78+05	TO	86+65
1150	178+80	TO	187+650
TOTAL	2246.0		

REMARKS
 EB and WB sides edgeline
 EB and WB sides edgeline

63500105 DELINEATORS

EACH	LOCATION
1.0	81+02 CL
1.0	84+50 CL
1.0	181+25 CL
1.0	185+00 CL
TOTAL	4.0

REMARKS
 North Crossover
 North Crossover
 South Crossover
 South Crossover

Z0028415 GEOTECHNICAL REINFORCEMENT

SQ YD	LOCATION	TO	TO
1850.0	79+72.5	TO	85+27.5
1850.0	180+45	TO	186+00
TOTAL	3700.0		

REMARKS
 2 @ 15' Wide, SEE TYPICALS
 2 @ 15' Wide, SEE TYPICALS

Z0040530 PIPE UNDERDRAIN REMOVAL

FOOT	LOCATION	TO	TO	REMARKS
555	79+72.5	TO	85+27.5	32' RT
555	79+72.5	TO	85+27.5	32' LT
555	180+45	TO	186+00	32' RT
555	180+45	TO	186+00	32' LT
TOTAL	2220.0			

66700305 PERMANENT SURVEY MARKERS, TYPE II

EACH	LOCATION
1	NORTH CROSS-OVER
1	SOUTH CROSS-OVER
TOTAL	2.0

REMARKS
 RESIDENT ENGINEER TO DETERMINE LOCATION
 RESIDENT ENGINEER TO DETERMINE LOCATION

Z0065752 SLOTTED DRAIN 12" WITH 6" SLOT

FOOT	LOCATION	TO	TO	REMARKS
126	81+87	TO	83+13	North Crossover
126	182+59.51	TO	183+85.51	South Crossover
TOTAL	252.0			

X0322288 MEDIAN CLOSURE

EACH	LOCATION
1	82+52
1	183+22.51
TOTAL	2.0

REMARKS
 See District Standard 98.4
 See District Standard 98.4

X0322392 BEVELED PIPE AND GUARD

EACH	LOCATION
1	84+50
1	181+25
1	185+00
TOTAL	3.0

REMARKS
 See District Standard 91.1

X0484300 MEDIAN BOX INLET REMOVAL

EACH	LOCATION
1	81+02 CENTERLINE
TOTAL	1.0

REMARKS

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1)M-3	ROCK ISLAND	25	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

EARTHWORK QUANTITIES

LOCATION	EARTH EXC (CUT) CU YD	EARTH EXC ADJ SHRINK 25% CU YD	EMBANK (FILL) CU YD	EARTH WORK BALANCE WASTE (+) SHORTAGE (-) CU YD
79 + 50 - 80 + 00	48.7	37	13.3	23
80 + 00 - 80 + 50	99.1	74	24.5	50
80 + 50 - 81 + 00	104.4	78	39.0	39
81 + 00 - 81 + 50	109.0	82	56.5	25
81 + 50 - 82 + 00	110.5	83	35.6	47
82 + 00 - 82 + 50	113.1	85	12.6	72
82 + 50 - 83 + 00	116.1	87	14.0	73
83 + 00 - 83 + 50	113.7	85	39.5	46
83 + 50 - 84 + 00	107.8	81	77.6	3
84 + 00 - 84 + 50	103.5	78	62.5	15
84 + 50 - 85 + 00	98.8	74	22.9	51
85 + 00 - 85 + 50	48.0	36	6.7	29
85 + 50 - 0 + 00	0.0	0	0.0	0

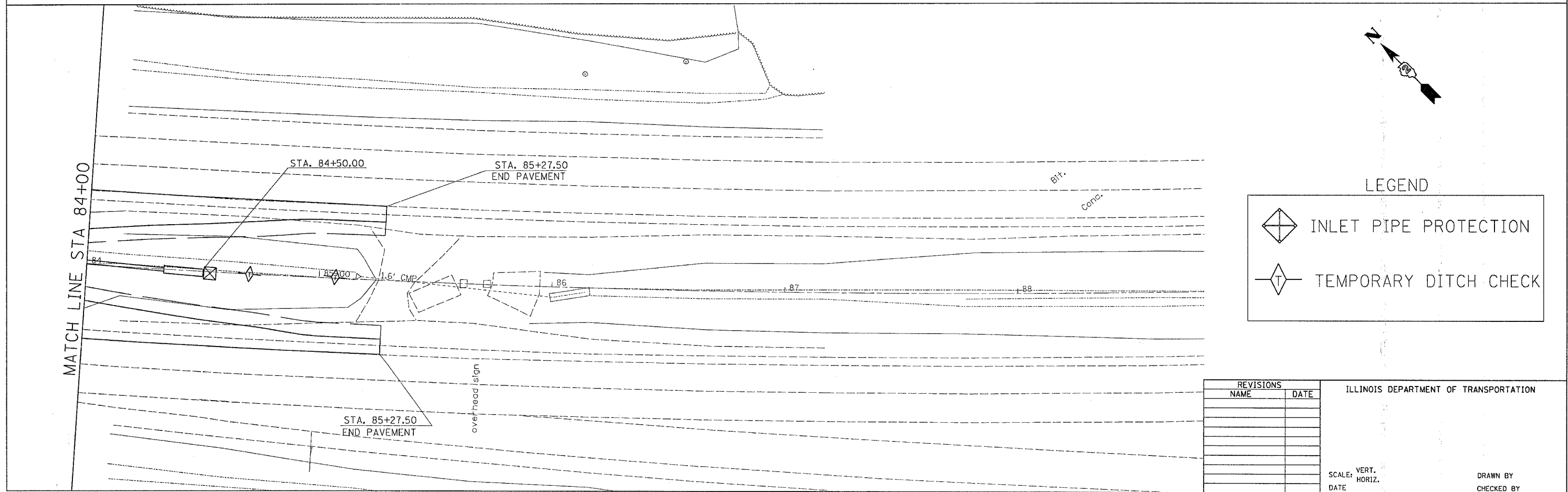
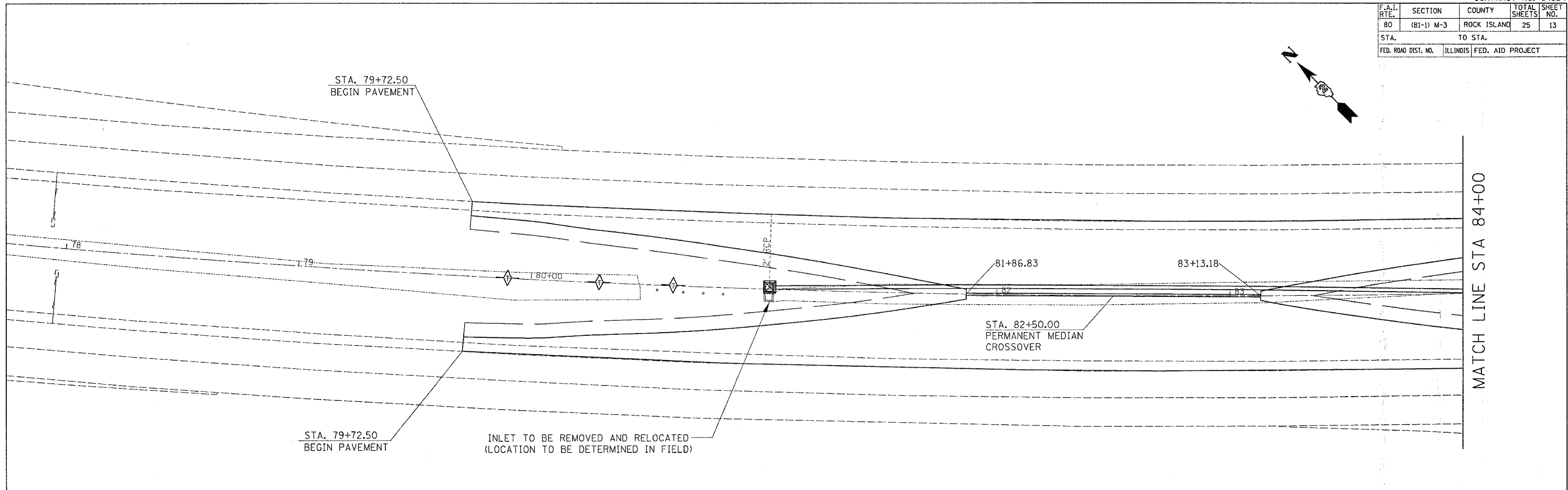
LOCATION	EARTH EXC (CUT) CU YD	EARTH EXC ADJ SHRINK 25% CU YD	EMBANK (FILL) CU YD	EARTH WORK BALANCE WASTE (+) SHORTAGE (-) CU YD
180 + 00 - 180 + 50	38.0	28	4.4	24
180 + 50 - 181 + 00	81.2	61	21.3	40
181 + 00 - 181 + 50	87.9	66	51.4	15
181 + 50 - 182 + 00	90.0	68	73.4	-6
182 + 00 - 182 + 50	91.3	68	62.1	6
182 + 50 - 183 + 00	90.7	68	43.1	25
183 + 00 - 183 + 50	89.4	67	38.5	28
183 + 50 - 184 + 00	88.8	67	41.9	25
184 + 00 - 184 + 50	91.2	68	56.3	12
184 + 50 - 185 + 00	94.8	71	51.5	20
185 + 00 - 185 + 50	91.3	68	23.5	45
185 + 50 - 186 + 00	80.8	61	6.6	54
186 + 00 - 186 + 50	37.4	28	1.6	26
186 + 50 - 0 + 00	0.0	0	0.0	0
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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. HORIZ. DATE

DRAWN BY
CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1) M-3	ROCK ISLAND	25	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND

	INLET PIPE PROTECTION
	TEMPORARY DITCH CHECK

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

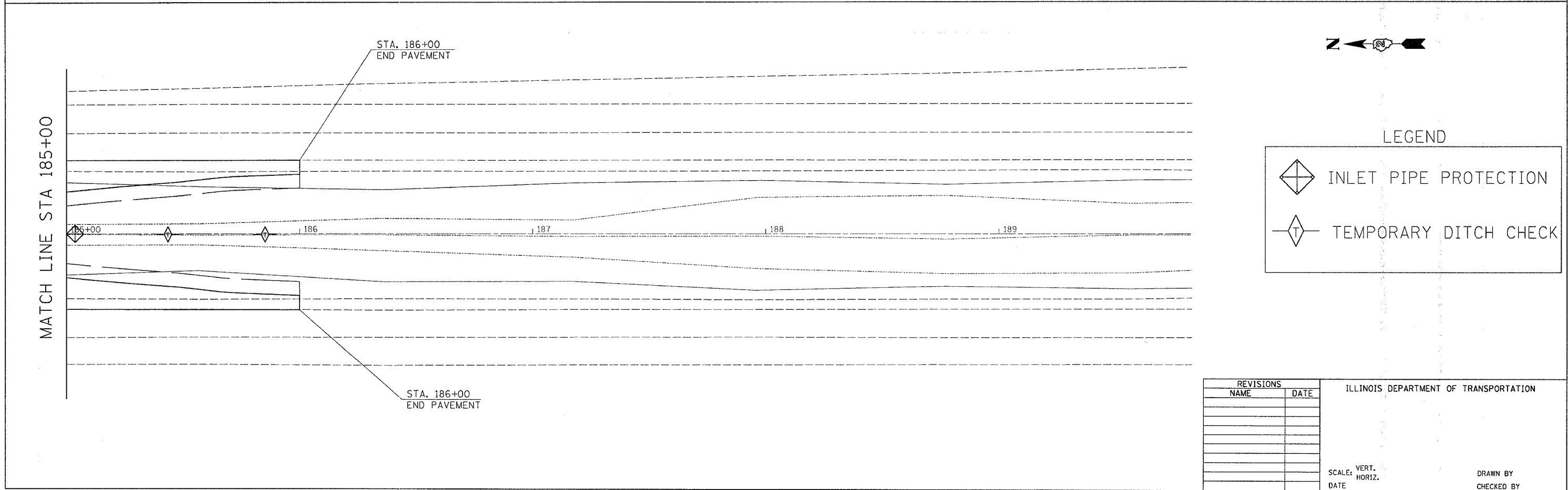
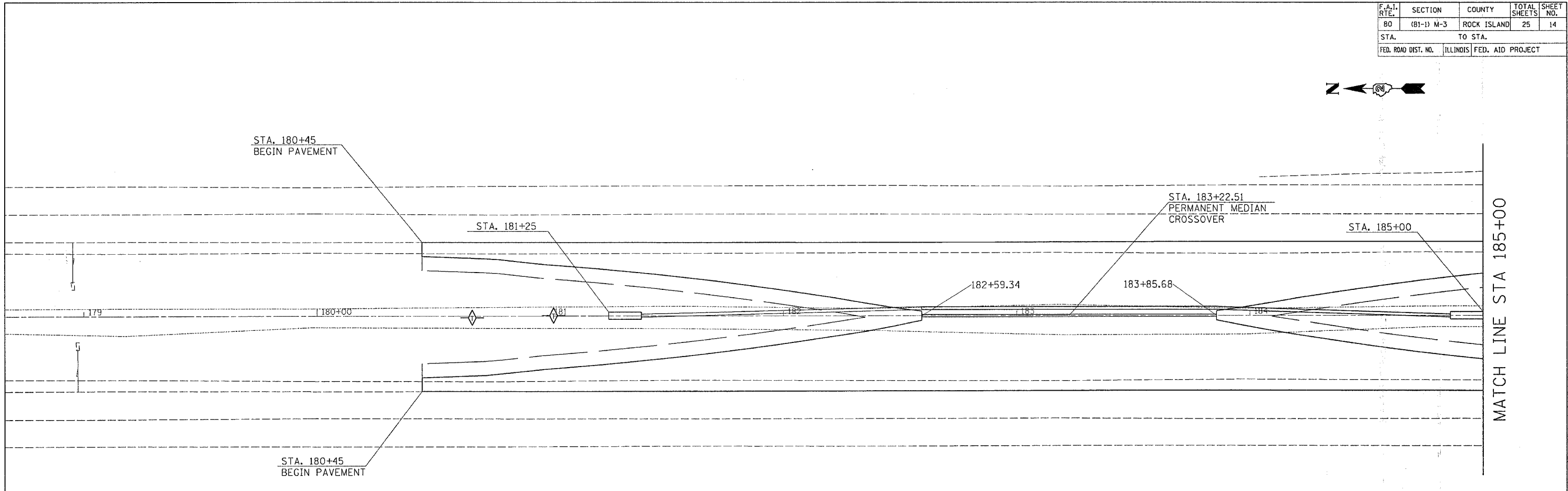
SCALE: VERT. DATE
HORIZ. DATE

DRAWN BY
CHECKED BY

CROSSOVER NO. 1

PLOT DATE = Thu Dec 14 07:41:22 2006
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 USER NAME = grompp

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1) M-3	ROCK ISLAND	25	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

	INLET PIPE PROTECTION
	TEMPORARY DITCH CHECK

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

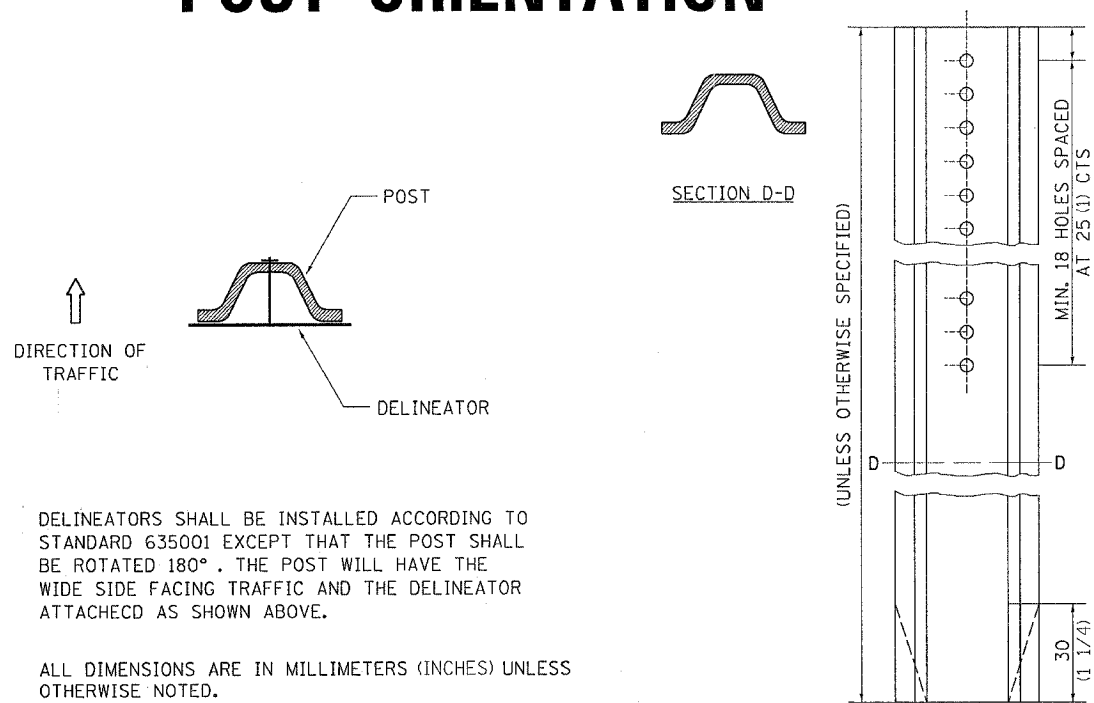
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80	(81-1)M-3	ROCK ISLAND	25	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DELINEATOR AND POST ORIENTATION



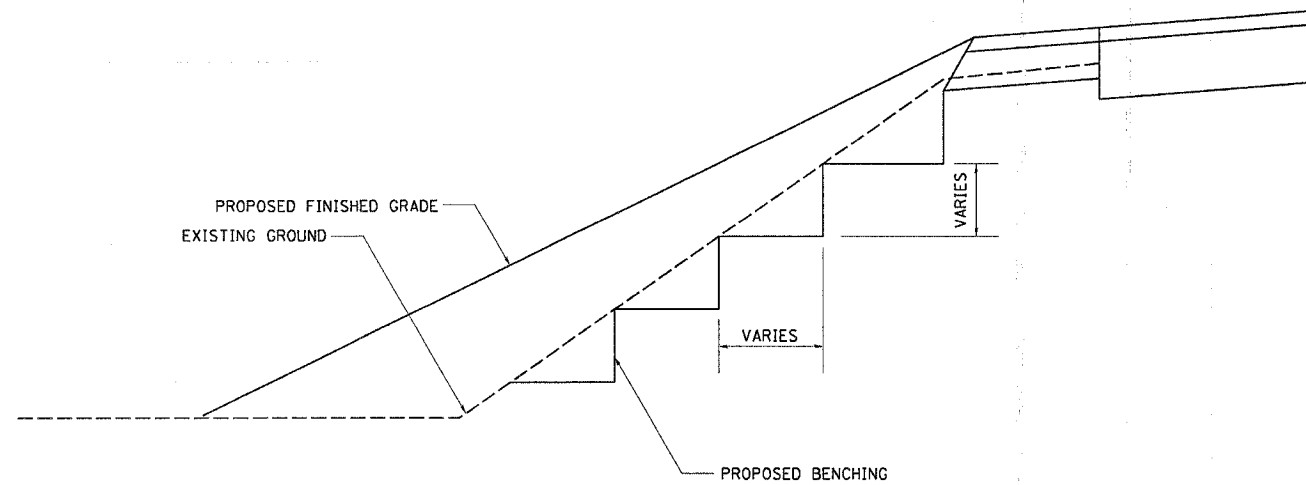
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

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

DELINEATOR AND POST ORIENTATION 37.4

REVISED 1-31-00

TYPICAL BENCHING ON EXISTING EMBANKMENT



TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

REVISED 2-22-06

TYPICAL MEDIAN CROSSOVER CLOSURE

GENERAL NOTES

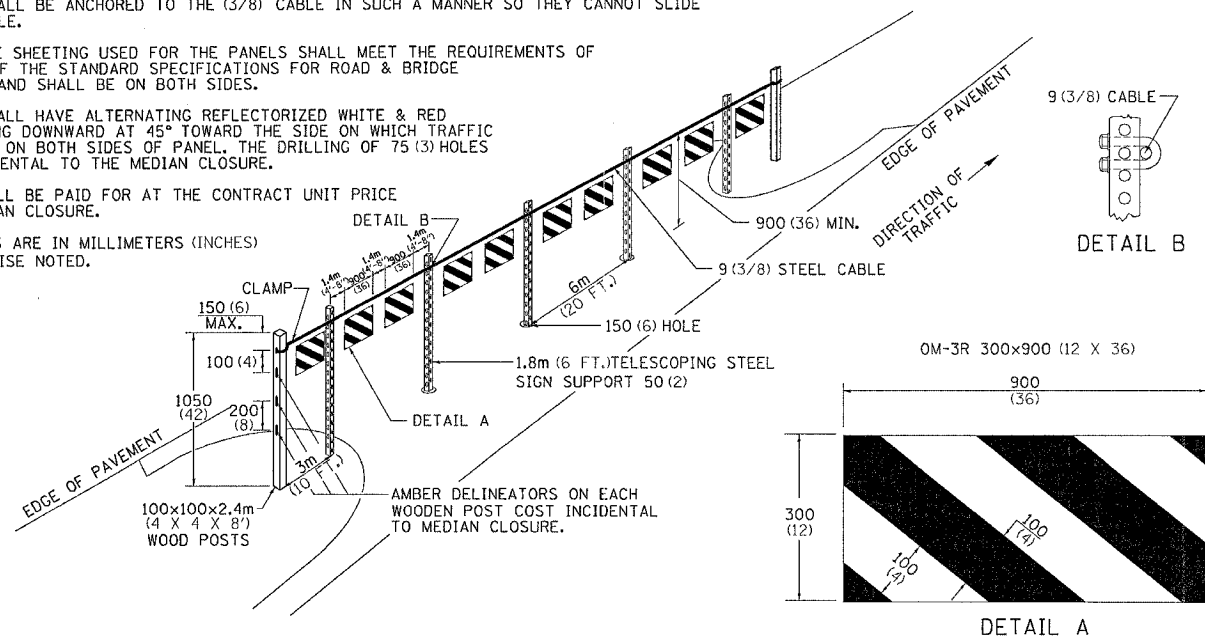
WOOD POSTS, CABLE, AND SIGN SUPPORTS SHALL BE IN ACCORDANCE WITH SECTION 634 & 636 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE PANELS SHALL BE ANCHORED TO THE (3/8) CABLE IN SUCH A MANNER SO THEY CANNOT SLIDE ALONG THE CABLE.

THE REFLECTIVE SHEETING USED FOR THE PANELS SHALL MEET THE REQUIREMENTS OF SECTION 1091 OF THE STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION AND SHALL BE ON BOTH SIDES.

ALL PANELS SHALL HAVE ALTERNATING REFLECTORIZED WHITE & RED STRIPES SLOPING DOWNWARD AT 45° TOWARD THE SIDE ON WHICH TRAFFIC WILL PASS AND ON BOTH SIDES OF PANEL. THE DRILLING OF 75 (3) HOLES SHALL BE INCIDENTAL TO THE MEDIAN CLOSURE.

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR MEDIAN CLOSURE.

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



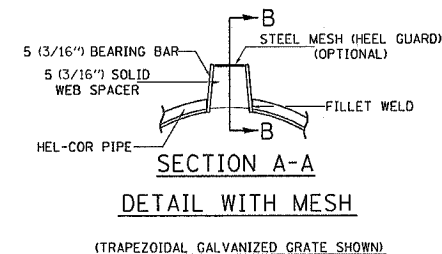
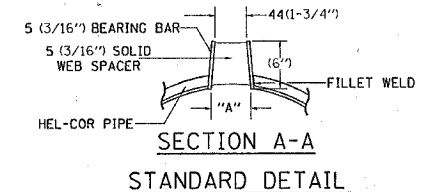
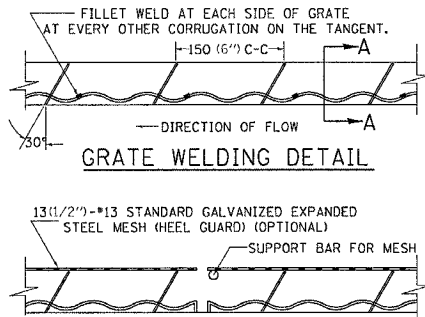
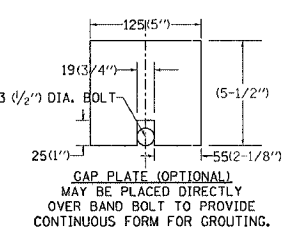
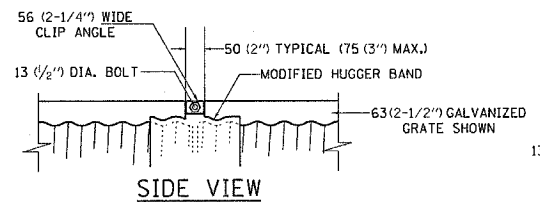
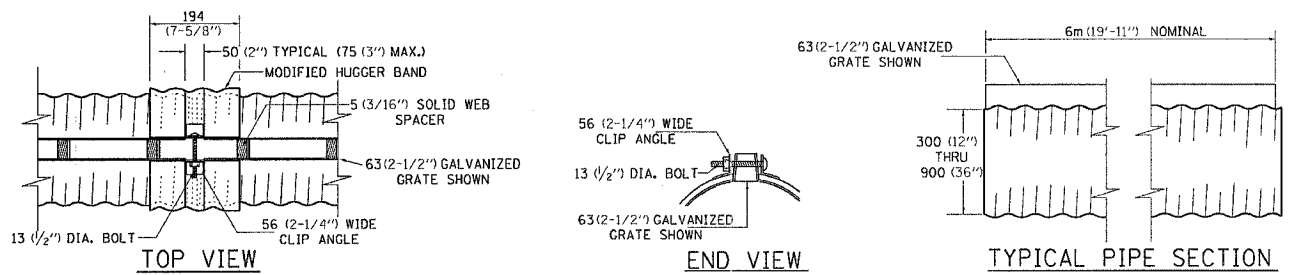
TYPICAL MEDIAN CROSSOVER CLOSURE 98.4

REVISED 10-10-06

PLOT DATE = Thu Dec 14 07:48:47 2006
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 REFERENCE = REF\$

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1M-3)	ROCK ISLAND	25	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SLOTTED DRAIN PIPE



GAGE OF PIPE	STANDARD SIZES					
	300 (12)	375 (15)	450 (18)	600 (24)	750 (30)	900 (36)
16	X	X	X	X	X	X
14	X	X	X	X	X	X
12	N.A.	N.A.	N.A.	N.A.	X	X

GRATE TYPE	"A"
VERT 63(2-1/2)	44(1-3/4)
VERT 150 (6)	44(1-3/4)
TRAP 63(2-1/2)	56(2-1/4)
TRAP 150 (6)	75 (3)

- SLOTTED DRAIN NOTES**
- GRATING IS AVAILABLE IN DEPTHS OF 63(2-1/2") AND 150 (6").
 - VERTICAL GRATING (STRAIGHT SIDES) WITH VERTICAL SPACERS IS ALSO AVAILABLE.
 - FOR 150 (6") VERTICAL & TRAPEZOIDAL REQUIREMENTS, THE SLOTTED DRAIN BAND MAY BE FURNISHED WITH THE 100 (4") TECHCO BAND ANGLE.
 - DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
 - REFERENCE CONTECH BAND MANUAL DWG. NO. 1008466 FOR BAND DETAILS.
- MANUFACTURING TOLERANCES**
- VERTICAL BOW ± 10 (3/8")
 - HORIZONTAL BOW ± 16 (5/8")
 - TWIST ± 13 (1/2")

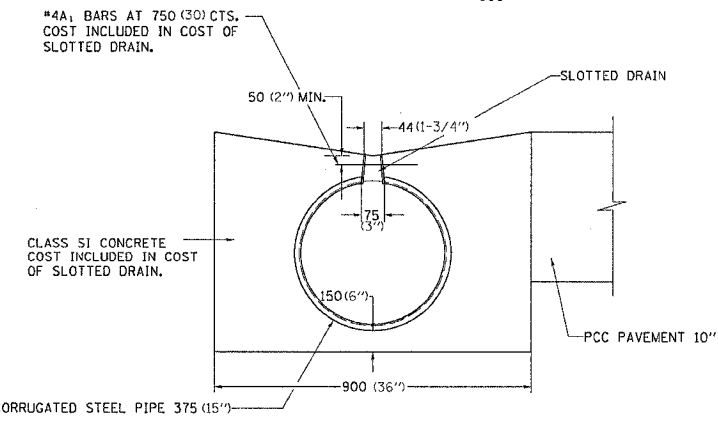
NOTES

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

THE SLOTTED DRAIN SHALL BE CORRUGATED PIPE CULVERT WITH INTEGRAL SLOTTED DRAINS. BEFORE PLACING THE CONCRETE ADJACENT TO THE PIPE, THE SLOT SHALL BE COVERED BY EITHER THIN, FLAT METAL SHEETING OR BY A BOARD NOTCHED TO FIT OVER THE GRATE BARS. THIS COVERING MUST FIT CLOSELY IN THE SLOT TO PREVENT ENTRY OF CONCRETE INTO THE PIPE. PAVING OVER THE SLOTTED DRAIN WILL THEN BE ONE CONTINUOUS OPERATION OVER THE PROTECTED DRAIN. THE PROTECTION FOR THE DRAIN SLOT SHALL THEN BE REMOVED. THE PIPE SHALL DRAIN INTO THE SIDE OF THE INLET. THE OPENING WHERE THE SLOT IS REMOVED SHALL BE COVERED TO PREVENT CONCRETE FROM ENTERING THE PIPE.

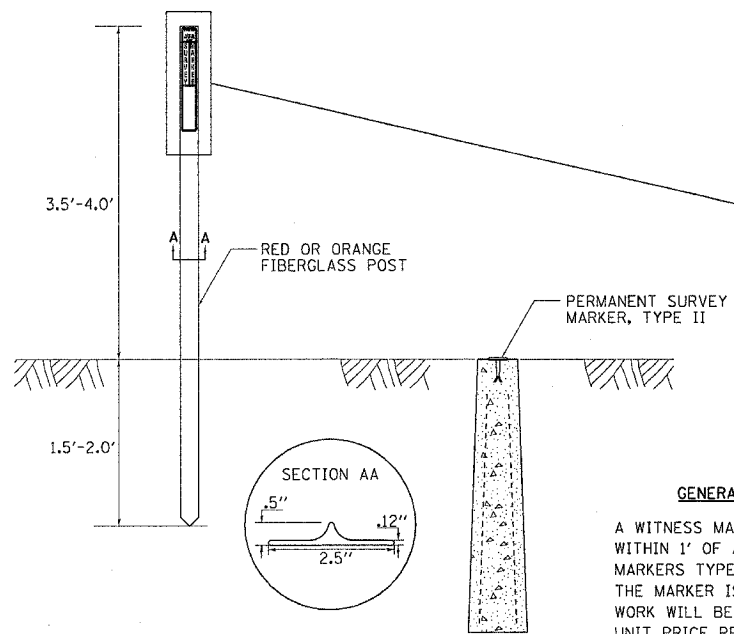
THE CORRUGATED STEEL PIPE USED IN THE SLOTTED DRAIN SHALL MEET THE REQUIREMENTS OF AASHTO M-36/ASTM A 760. THE CMP SHALL BE GALVANIZED OR ALUMINIZED STEEL TYPE 2. STEEL GRATING SHALL MEET THE GALVANIZING REQUIREMENTS OF AASHTO M-111. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR SLOTTED DRAIN PIPE, AND SHALL INCLUDE ELBOWS, DRILLING HOLES IN GRATING, SUPPLYING AND PLACING A1 BARS AND CONCRETE.

USE APPROVED END CAP TO PREVENT CONCRETE ENTRY INTO THE PIPE DURING GUTTER CONSTRUCTION ON THE UPSTREAM END OF PIPE.



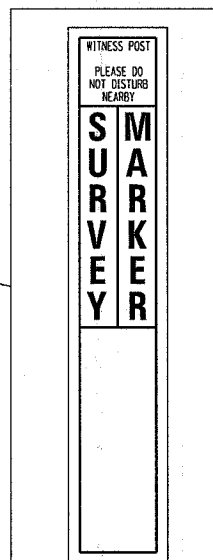
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II

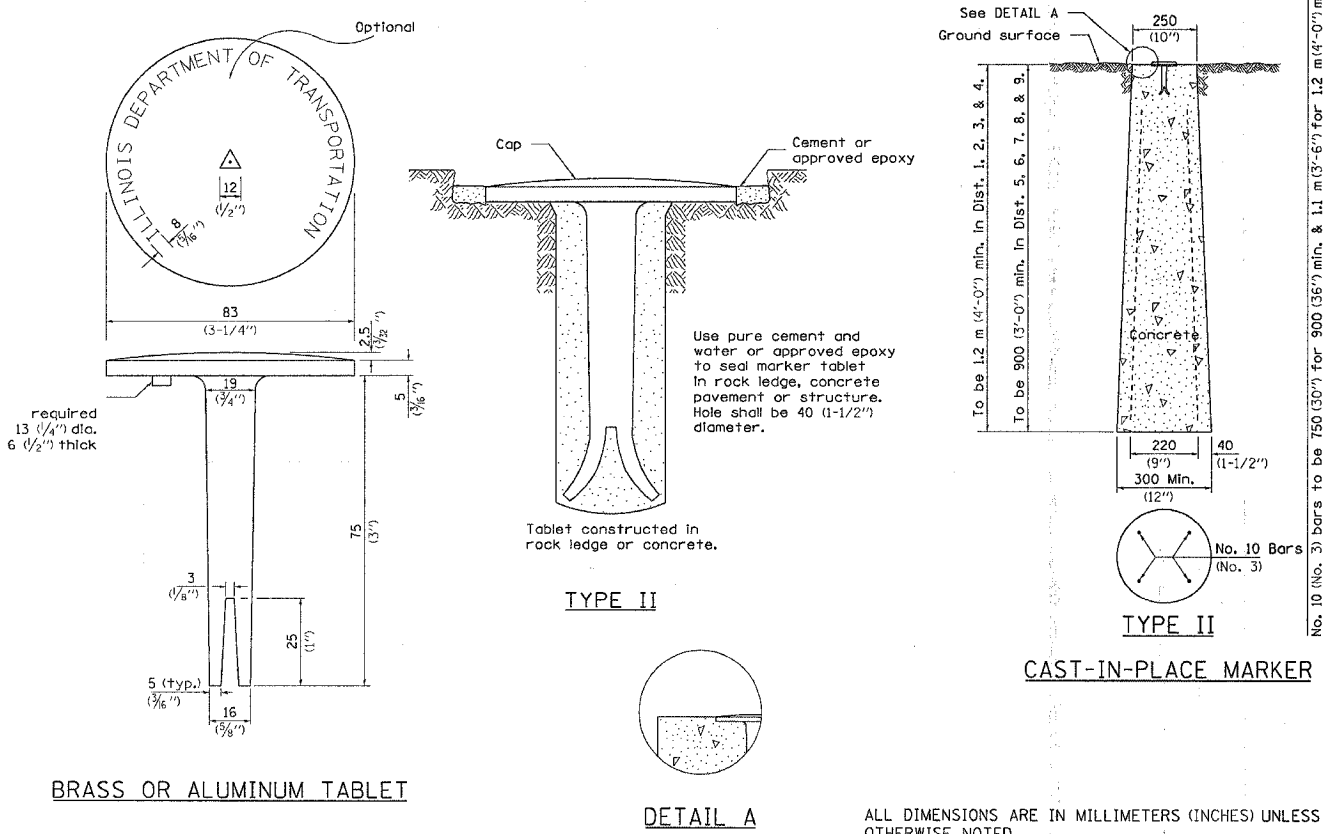


GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.



PERMANENT SURVEY MARKERS, TYPE II



BRASS OR ALUMINUM TABLET

DETAIL A

CAST-IN-PLACE MARKER

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

PLOT DATE = Thu Dec 14 07:48:47 2006
 FILE NAME = c:\p\proj\sta\2268593\486329.plt
 SCALE = 384000 / IN.
 REFERENCE = 486329

STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN

CONTRACT NO. 64934				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1M-3	ROCK ISLAND	25	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME: THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSISTS OF CONSTRUCTING TWO MEDIAN CROSS-OVERS BETWEEN THE MISSISSIPPI RIVER AND IL 5/92.

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:

THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 2.6 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) 0.0 ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 1.7 ACRES

SUPPORTING REPORTS AND PLANS

THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS
USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE

MISSISSIPPI RIVER

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES

STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:

AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/ SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

MAINTENANCE AFTER FINAL GRADING

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDED.

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 REFERENCE = 88503

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1M-3	ROCK ISLAND	25	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

64' MEDIAN CROSSOVER

GENERAL NOTES

The intent of this plan is to show the construction requirements for a median crossover where the median width is 64'.

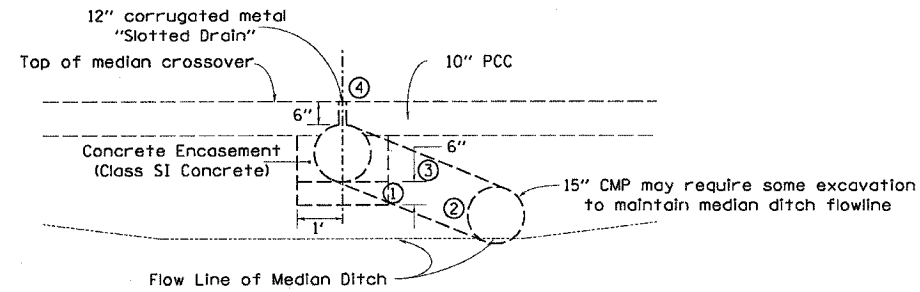
Construction of median crossover shall conform to the requirement of current Standard Specifications.

Slotted drain shall be constructed of 14-gauge corrugated metal roadway pipe modified to accommodate slotted drain as shown.

Price bid for contract items shall be considered full compensation for furnishing all necessary materials and labor to construct the median crossover as detailed hereon.

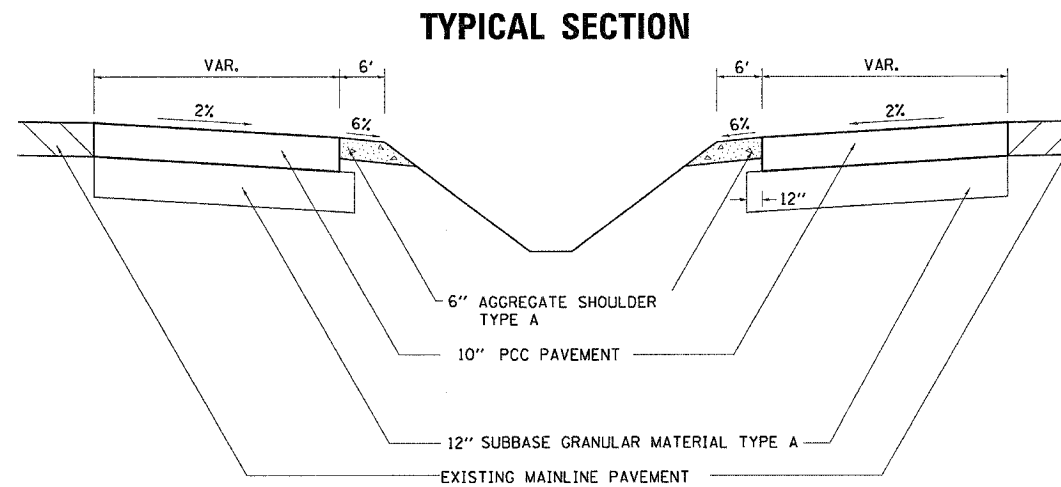
Elbows, Tees and Caps shall be considered included in the pipe culverts, class D pay items.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



SECTION A-A

- ① 12" CMP Elbow
- ② CMP Tee Section with 12" Riser
- ③ 12" Coupling Band
- ④ Duct tape or wood blocks shall be used to cover slotted drain during construction of crossover paving



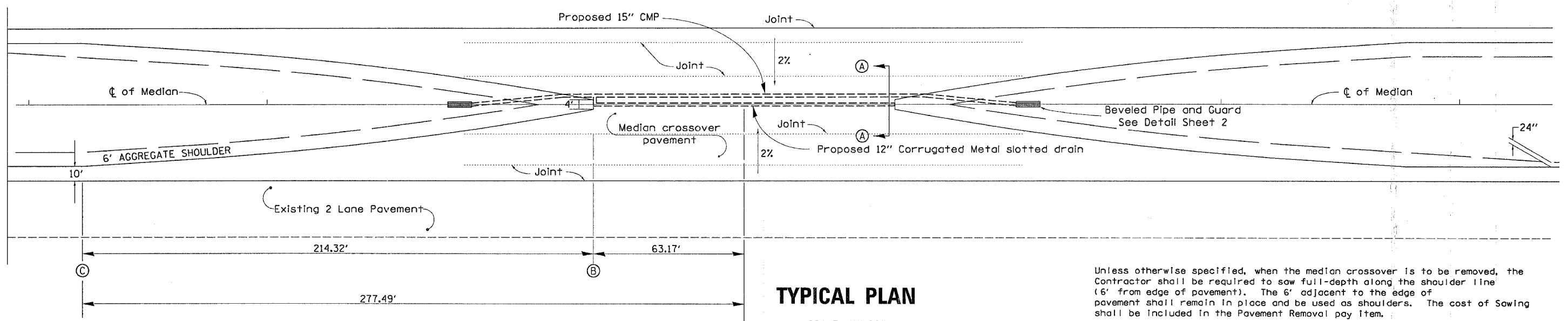
TYPICAL SECTION

TABLE OF OFFSETS AND DROPS											
Distance feet from location station	0	63.17	75	100	125	150	175	200	225	250	277.49
Offsets feet from inside edge of pavement	32	30.0	27.86	23.67	19.93	16.64	13.80	11.40	9.44	7.00	6.00
Drop feet from inside edge of pavement	0.64	0.60	0.56	0.47	0.40	0.33	0.28	0.23	0.19	0.16	0.24

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Ⓒ

TYPICAL SECTION THRU CENTERLINE OF MEDIAN CROSSOVER



TYPICAL PLAN

SCALE= (1"=20')

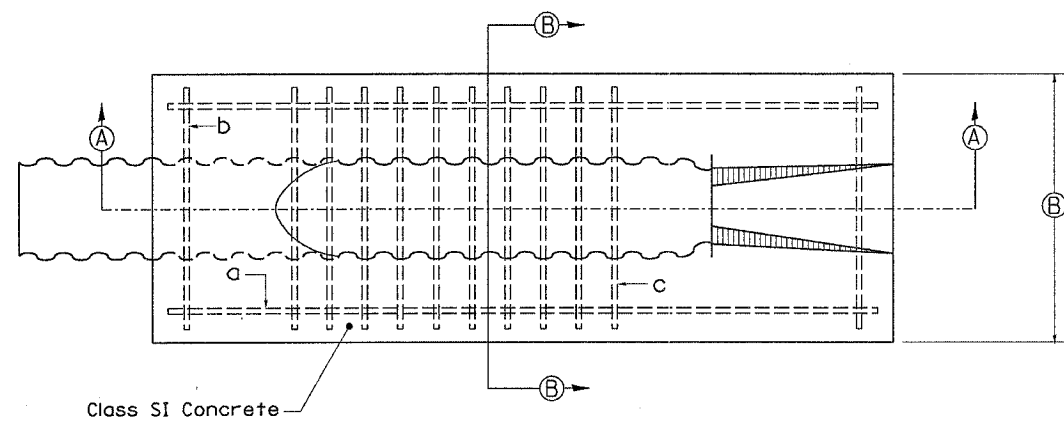
Unless otherwise specified, when the median crossover is to be removed, the Contractor shall be required to saw full-depth along the shoulder line (6' from edge of pavement). The 6' adjacent to the edge of pavement shall remain in place and be used as shoulders. The cost of Sawing shall be included in the Pavement Removal pay item.

Joints shall be sawed at 1/3 of the median width. All joints shall be sealed.

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1M-3	ROCK ISLAND	25	19
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BEVELED PIPE & GUARD DETAIL



PLAN VIEW

Mark Req'd	Size	Length	No.
a	5"	110"	2
b	5"	32"	2
c	8"	34"	10

Mark Req'd	Size	Length	No.
a	5"	136"	2
b	5"	35"	2
c	8"	37"	14

Mark Req'd	Size	Length	No.
a	5"	162"	2
b	5"	38"	2
c	8"	40"	18

GENERAL NOTES:

Details shown hereon are for the construction of beveled pipe and guard. Alternate designs, methods of construction or materials may be submitted to the Engineer for approval. All methods of construction and materials involved shall conform to current Standard Specifications.

Reinforcing steel used in construction of "Beveled Pipe and Guard" shall be deformed bars meeting the requirements of Article 1006.10 of the Standard Specifications. All steel bars shall be hot-dip galvanized in accordance with ASTM A 123 specifications.

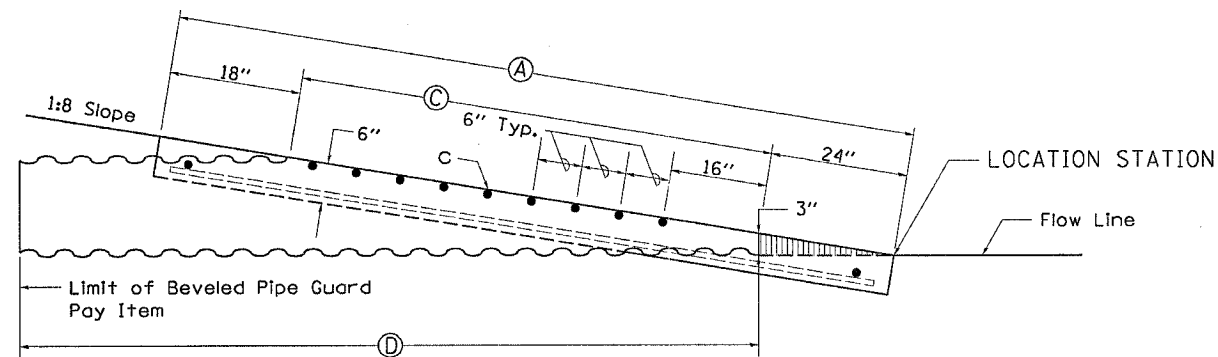
Concrete used in construction of the beveled pipe and guard shall be Class "SI" Concrete.

The corrugated metal pipe shall be cut to fit the 1:8 foreslope. Slots shall be cut into the C.M.P. for placement of the No. 8 bars. After the foreslope has been placed, the No. 8 bars shall be fitted into the slots cut in the C.M.P. so they will be in proper position when the concrete collar is poured.

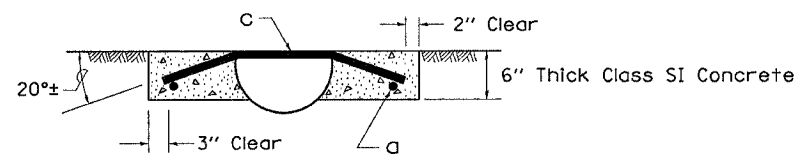
This work shall be paid for at the contract unit price per Each for "Beveled Pipe and Guard", as shown hereon and as directed by the Engineer.

SPECIAL NOTE:

A silt basin will be required immediately upstream from the inlet of culvert. Refer to Standard Road Plan 280001-03 for construction details.



SECTION A-A



SECTION B-B

PIPE SIZE	A	B	C	D
12"	9'-6"	36"	6'	10'
15"	11'-8"	39"	8'-2"	12'
18"	13'-10"	42"	10'-4"	14'-10"

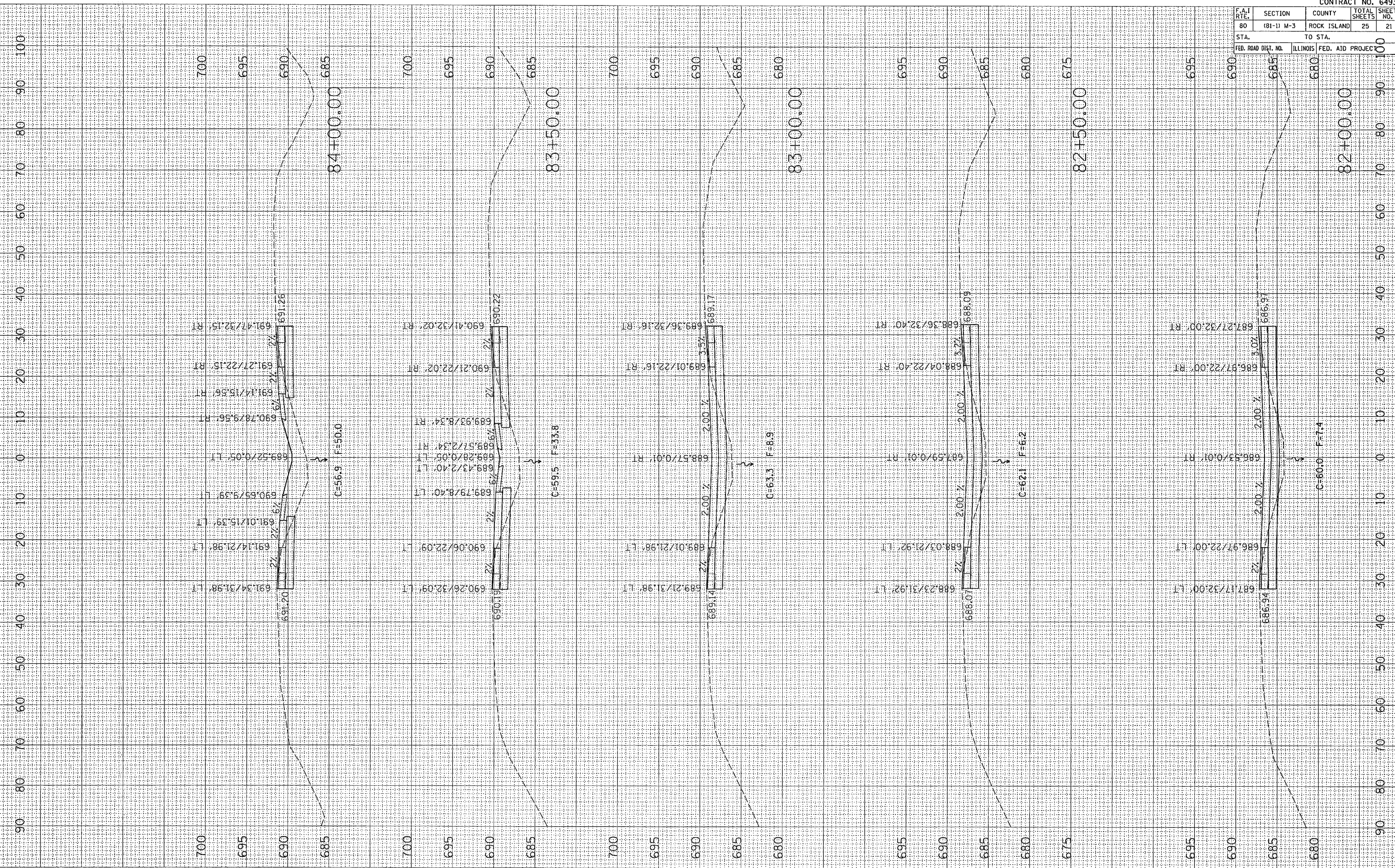
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

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 REFERENCE = REF#

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 USER NAME = gromon

ORIGINAL SURVEY BY DATE
 SURVEYED BY DATE
 NOTE BOOK NO.
 TEMPLATE AREAS CHECKED

FINAL SURVEY BY DATE
 SURVEYED BY DATE
 NOTE BOOK NO.
 TEMPLATE AREAS CHECKED



CONTRACT NO. 64934				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1) M-3	ROCK ISLAND	25	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJEC		

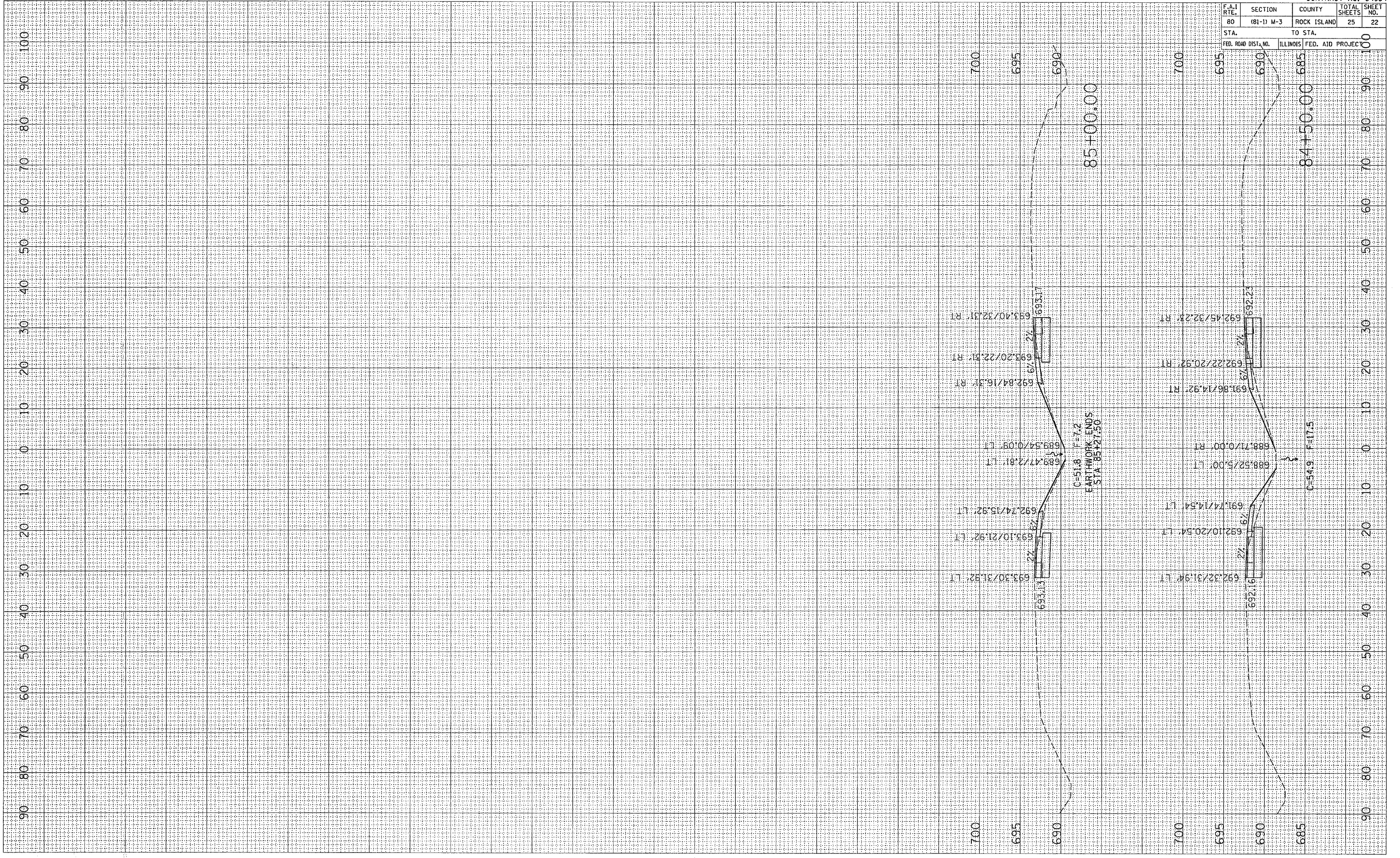
CROSS-OVER #1

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1) M-3	ROCK ISLAND	25	22
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
NO.	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
NO.	
AREAS CHECKED	

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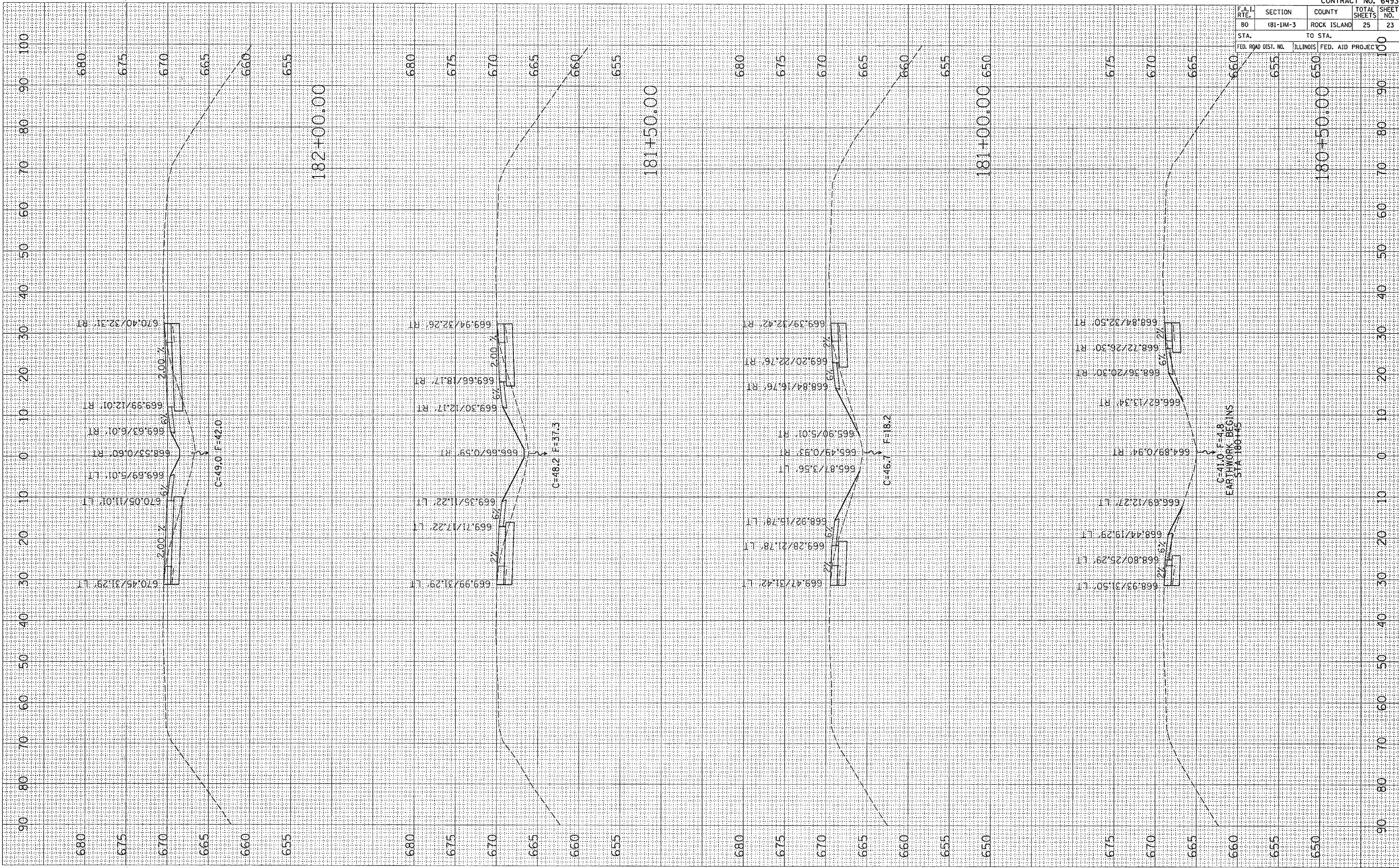


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ORIGINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK NO.
 AREAS CHECKED

FINAL SURVEY
 SURVEY PLOTTED
 NOTE BOOK NO.
 AREAS CHECKED

BY DATE



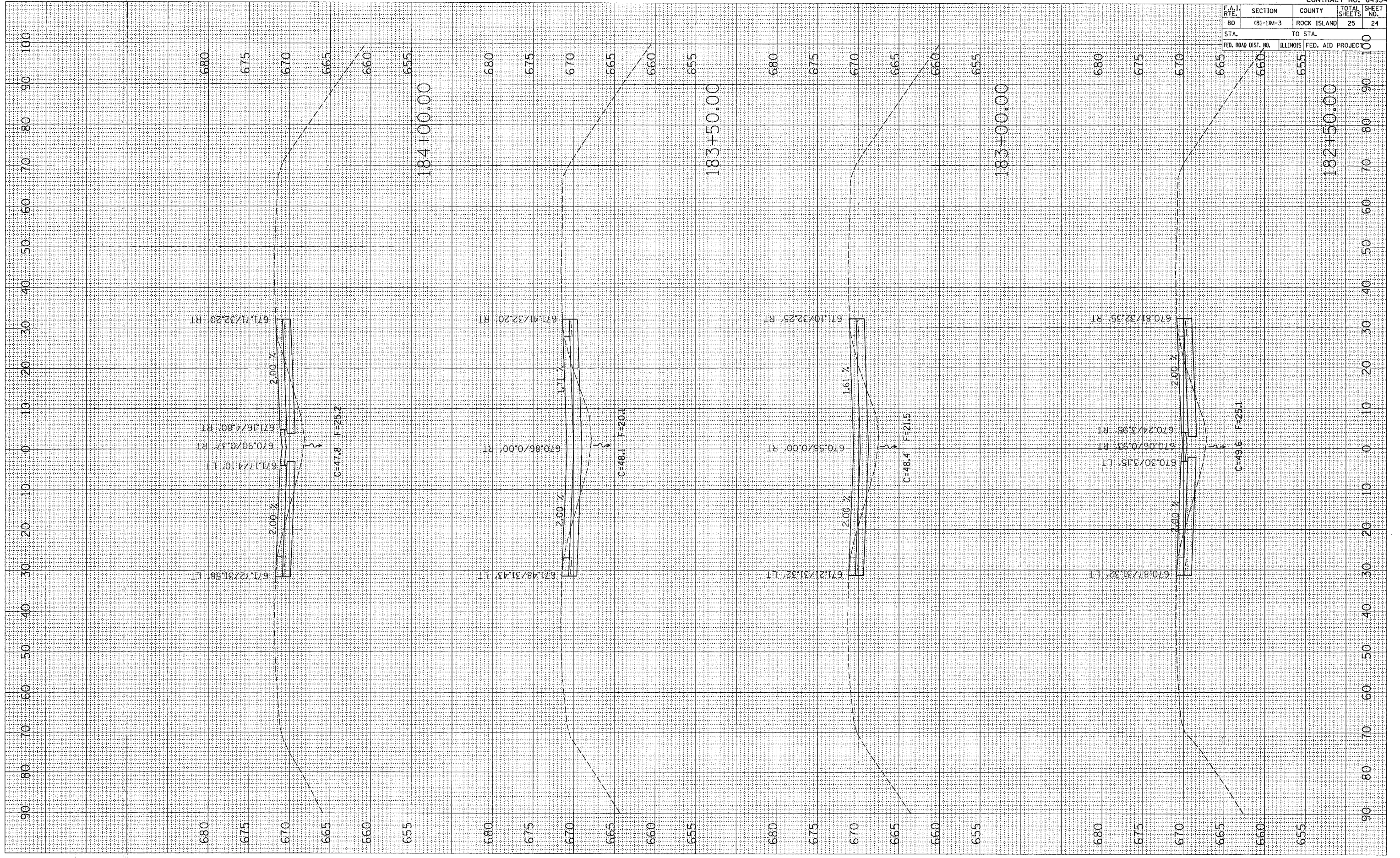
CONTRACT NO. 64934				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	181-1M-3	ROCK ISLAND	25	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(81-1M-3	ROCK ISLAND	25	24
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
AREAS CHECKED	
NO.	

PLOT DATE = Thu Dec 14 07:48:17 2006
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 PLOT SCALE = 18.00000' / 1" IN.
 USER NAME = greggpm



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
BO	(81-1M-3)	ROCK ISLAND	25
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	100

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
AREAS CHECKED		

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 FILE NAME: c:\projects\4288503\4288503.dwg
 PLOT SCALE: 1/8" = 100.0000' / IN.
 USER NAME: gumpm

