PROJECT ENGINEER: BOB WAGNER

6-15-07 Letting, Item 286

CONTRACT NO. 64C16

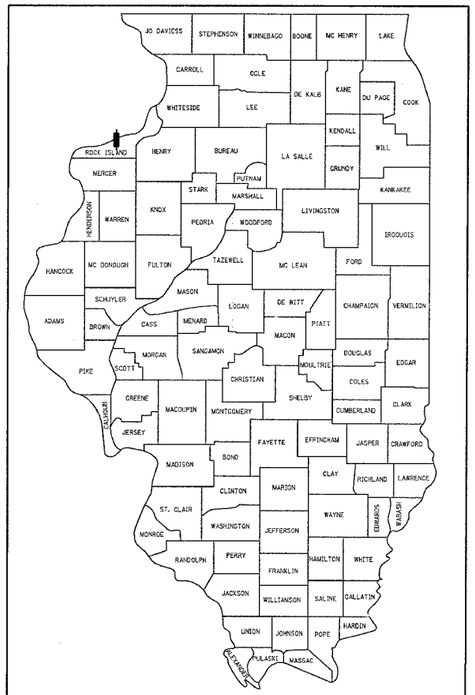
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

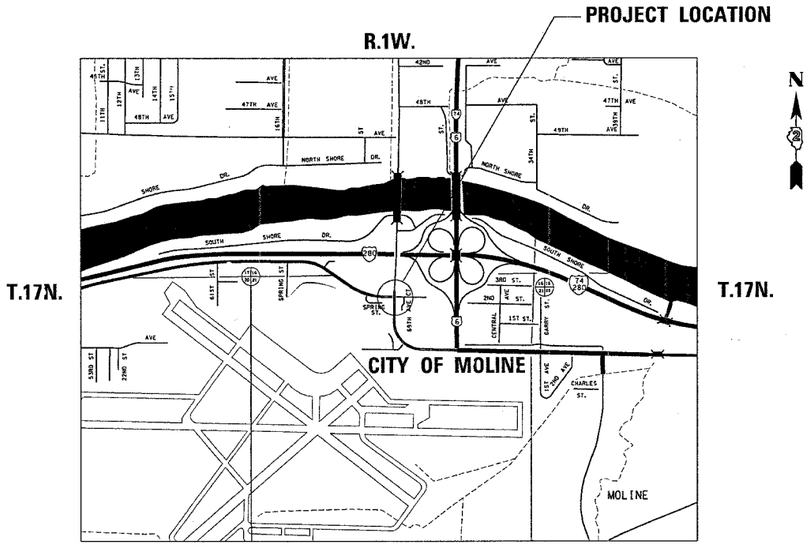
FAU ROUTE 5789 (27TH ST)
SECTION (33&40)-1-FR
ROCK ISLAND COUNTY
C-92-051-07

D-92-043-06



LOCATION OF SECTION INDICATED THUS:- ▬

COAL VALLEY TOWNSHIP SECTION 21



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

100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 64C16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 21 20 07
George F. Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 11, 20 07
Eric E. Harm (for)
Interim ENGINEER OF DESIGN AND ENVIRONMENT
May 11, 20 07
Milton R. Sees P.E. (for)
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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SQUAD LEADER: LUCAS MEGLI (815) 284-5362

CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INDEX OF SHEETS

STATE STANDARDS

000001 - 04	Standard Symbols, Abbreviations and Patterns
001001 - 01	Areas of Reinforcement Bars
280001 - 03	Temporary Erosion Control Systems
353001 - 03	PCC Base Course with HMA Binder and Surface Course
420001 - 06	Pavement Joints
420101 - 03	7.2 m (24') Jointed PCC Pavement
420111 - 01	PCC Pavement Roundouts
442101 - 06	Class B Patches
542546	Flush Inlet Box for Median
602401 - 01	Manhole, Type A
602601 - 01	Precast Reinforced Concrete Flat Slab Top
604001 - 02	Frame and Lids, Type 1
606001 - 03	Concrete Curb Type B and Combination Concrete Curb and Gutter
701301 - 02	Lane Closure, 2L, 2W, Day Only, for Speeds > 45 MPH
701311 - 02	Lane Closure, 2L, 2W, Moving Operations - Day Only
701501 - 03	Urban Lane Closure, 2L, 2W, Undivided
701606 - 04	Urban Lane Closure, Multilane, 2W with Mountable Median
701701 - 04	Urban Lane Closure, Multilane Intersection
702001 - 06	Traffic Control Devices
720011	Metal Posts for Signs, Markers and Delineators
728001	Telescoping Steel Sign Support
729001	Applications of Types A and B Metal Posts (For Signs & Markers)
780001 - 01	Typical Pavement Markings
805001	Electrical Service Installation Details
814001 - 01	Handhole
814006 - 01	Double Handholes
857001	Standard Designation Diagram and Phase Sequence
873001 - 01	Traffic Signal Grounding
877011 - 02	Steel Combination Mast Arm Assembly and Pole
878001 - 05	Concrete Foundation Details
880006	Traffic Signal Mounting Details

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

DATE

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CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NUMBER	ITEM	UNIT	URBAN TOTAL QUANTITY	I000-1A 100% STATE	Y031-1F 100% STATE
	20200100	EARTH EXCAVATION	CU YD	472	472	
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	972	972	
	25200100	SODDING	SQ YD	972	972	
	25200200	SUPPLEMENTAL WATERING	UNIT	20	20	
	28000500	INLET AND PIPE PROTECTION	EACH	3	3	
	31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	572	572	
	40600625	LEVELING BINDER (MACHINE MEATHOD), N50	TON	11	11	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT	SQ YD	75	75	
	40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	46	46	
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50	TON	50	50	
	42000201	PORTLAND CEMENT CONCRETE PAVEMENT 7" (JOINTED)	SQ YD	497	497	
	44000100	PAVEMENT REMOVAL	SQ YD	21	21	
	44004250	PAVED SHOULDER REMOVAL	SQ YD	70	70	
	44200919	CLASS B PATCHES, TYPE II, 7 INCH	SQ YD	28	28	
	44213200	SAW CUTS	FOOT	156	156	
	50105220	PIPE CULVERT REMOVAL	FOOT	58	58	
	542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	9	9	
	54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	1	1	
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	12	12	
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	79	79	
	55034200	STORM SEWERS, TYPE 1 REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 23, RISE 14	FOOT	21	21	
	55100700	STORM SEWER REMOVAL 15"	FOOT	16	16	
*	56109210	WATER VALVES TO BE ADJUSTED	EACH	1	1	
	60107600	PIPE UNDERDRAINS 4"	FOOT	50	50	
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE1 FRAME, CLOSED LID	EACH	1	1	
	60255500	MANHOLES TO BE ADJUSTED	EACH	1	1	
	60242801	INLETS, SPECIAL, NO. 5	EACH	2	2	
	60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	
	60500060	REMOVING INLETS	EACH	1	1	
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	266	266	
	67100100	MOBILIZATION	L SUM	1	1	
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10	
•	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1685	1685	
•	78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	204	204	
•	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	60	60	
*	80501000	SERVICE INSTALLATION, (SPECIAL)	EACH	1		1

• SPECIALTY ITEM

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CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(338&40)-1-FR	ROCK ISLAND	30	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NUMBER	ITEM	UNIT	URBAN TOTAL QUANTITY	I000-1A 100% STATE	Y031-1F 100% STATE
	81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1		1
	81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1		1
*	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/C NO. 10	FOOT	1404		1404
*	82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	1		1
*	82500605	LIGHTING CONTROLLER PHOTOCELL RELAY	EACH	1		1
*	85000300	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	L SUM	1		1
*	85700205	FULL-ACTUATD CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1
*	86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1
*	87100110	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 6F	FOOT	3180		3180
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1874		1874
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	798		798
*	87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3C	FOOT	48		48
	87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT	EACH	1		1
	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3		3
	87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	11		11
	87900200	DRILL EXISTING HANDHOLE	EACH	3		3
*	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1		1
	88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	1		1
	89000200	TEMPORARY TRAFFIC SIGNAL INSTALLATION	L SUM	1		1
*	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2		2
	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1
	89502380	REMOVE EXISTING HANDHOLE	EACH	7		7
	89502385	REMOVE EXISITNG CONCRETE FOUNDATION	EACH	1		1
	X0324887	CONDUIT INSTALLED, 2 1/2", NON-METALLIC	FOOT	32		32
	X0324888	CONDUIT INSTALLED, 4", NON-METALLIC	FOOT	394		394
	X0325335	CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC	FOOT	25		25
*	XX003165	VIDEO CAMERA DETECTOR SYSTEM	EACH	1		1
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
	Z0017100	DOWEL BARS	EACH	68	68	
	Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	28	28	
	Z0028700	GRANULAR SUBGRADE REPLACEMENT	CU YD	5	5	
	44301500	STRIP REFLECTIVE CRACK CONTROL TREATMENT SYSTEM D	FOOT	202	202	

* SPECIALTY ITEM

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GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 5789 (27th Street)	(33 & 44)-1-FR	Rock Island	30	5
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64C16				

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

See cross sections for special ditches and backslopes.

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the cost of EARTH EXCAVATION.

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.

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 mandatory joint sealing for Class A, Class B, and Class B (Hinge Jointed) patches as shown on the plans will not be measured for payment. Optional sawing of the joint for the sealant reservoir will not be measured for payment.

For all concrete patching that will not be resurfaced, the concrete shall be struck off flush with the existing pavement surface at each end of the patch.

The Engineer reserves the right to check all patches for smoothness by the use of a 10' rolling straight edge set to a 3/16" tolerance in the wheel paths. Any patch areas higher than 3/16" must be ground smooth with an approved grinding device consisting of multiple saws. The use of bushhammer or other impact devices will not be permitted. Any patch with depressions greater than 3/16" shall be repaired in a manner approved by the Engineer.

The mandatory saw cuts for pavement patching are:

Class B Patch: Cut two transverse saw cuts outlining the patch and one transverse pressure relief saw cut. The longitudinal edges of the patch shall be cut full depth. When the patch is adjacent to a pcc shoulder, two saw cuts along the shoulder will be required.

The mandatory saw cuts will be paid for at the contract unit price per Meter (Foot) for SAW CUTS.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface	Level Binder	
PG:	PG 64-22	PG 64-22	
Design Air Voids	4.2 @ N50	4.2 @ N50	
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5	
Friction Aggregate	C		
20 Year ESAL	.3	.3	

The Contractor shall place temporary hot-mix asphalt tapers along all sides of the utility structures protruding above the milled surface. The temporary tapers shall extend 2' outside of the castings, except for the approach side to traffic shall have a 4' taper length. Hot-mix asphalt meeting the approval of the Engineer shall be used, no cold millings will be allowed. The cost of the material, placement, maintenance, removal and disposal of said work will be included in the Pay Item for Hot-Mix Asphalt Surface Removal, Butt-Joint.

Reflective Crack Control shall be placed on the existing surface prior to any resurfacing, unless pavement is milled then it will be placed on the binder course.

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 LEVELING BINDER (MACHINE METHOD) of the type specified.

All frames and grates of drainage structures to be removed or filled shall be carefully salvaged and shall remain the property of the Contractor.

The cost of making sewer connections to existing drainage structures shall be included in the various contract unit prices for STORM SEWER.

Lateral distances from the centerline on all inlets are to the face of the inlet.

The new manhole lids on this project shall have the word "STORM", "SANITARY", or "WATER" on the lid. The word to be used is noted on the plans. It will be the Contractor's responsibility to determine the word to be used on other lids not noted on the plans. No additional compensation will be allowed for this work.

All proposed manholes on this project shall be cast in place or precast. This work will be paid for at the contract unit price Each for MANHOLE of the type and size specified.

The Contractor shall determine flowlines of existing sewer lines which are shown on the plans as estimated or unknown. This information is necessary before ordering inlets and manholes.

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 2.4 m (8 feet) high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 200 mm (8"), not 180 mm (7") as shown in the detail of Typical Lane and Edge Lines.

The Contractor shall place contraction joint in prolongation with joints in the existing pavement. The joint shall be a sawed contraction joint with dowel bar assembly as shown on Highway Standard 420001. The cost for this work shall be included in the contract unit price for the P.C.C. PAVEMENT 7" (JOINTED).

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:

AT&T
Mediacom
MidAmerican Energy Co.
City of Moline

The applicable portions of Article 105.07 of the Standard Specification shall apply except for the following: The Contractor shall be responsible to locate the vertical depths of the underground utilities which may interfere with construction operations. This work will not be measured or paid for separately, but shall be considered as included in the unit bid price for the item of construction involved.

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

GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 5789 (27th Street)	(33 & 44)-1-FR	Rock Island	30	6
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64C16				

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

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

Tie bars to be installed in accordance with the applicable portions of Article 420.05(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.

A Cast Frame & Grate for Flush Inlet Box for Median, Standard 542546 shall be used. A Steel Frame & Grate will not be an option.

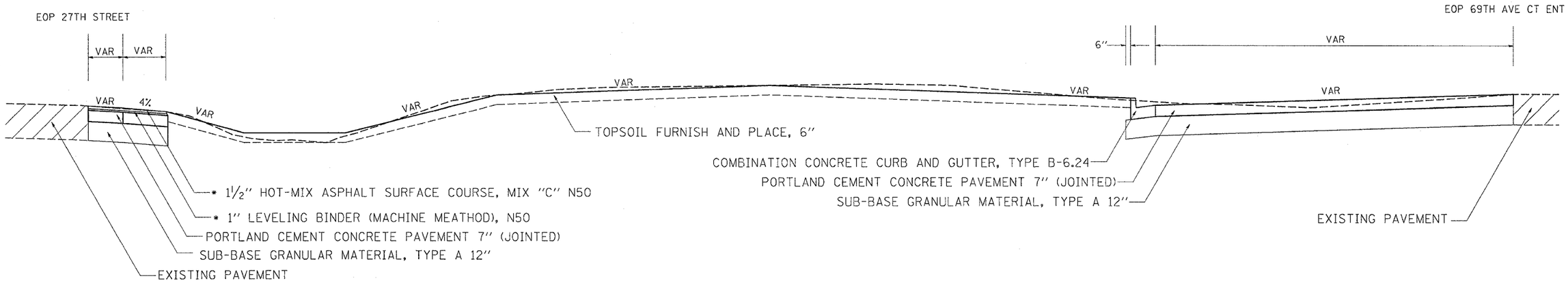
It shall be the Contractor's responsibility to contact the municipality to determine approved methods of utility structure adjustment. Utility structures may include, but are not limited to, manholes, water valves, handholes, etc. All materials and work necessary to complete adjustments per municipality requirements shall be considered included in the cost of the associated adjustment pay item.

CONTRACT NO. 64C16

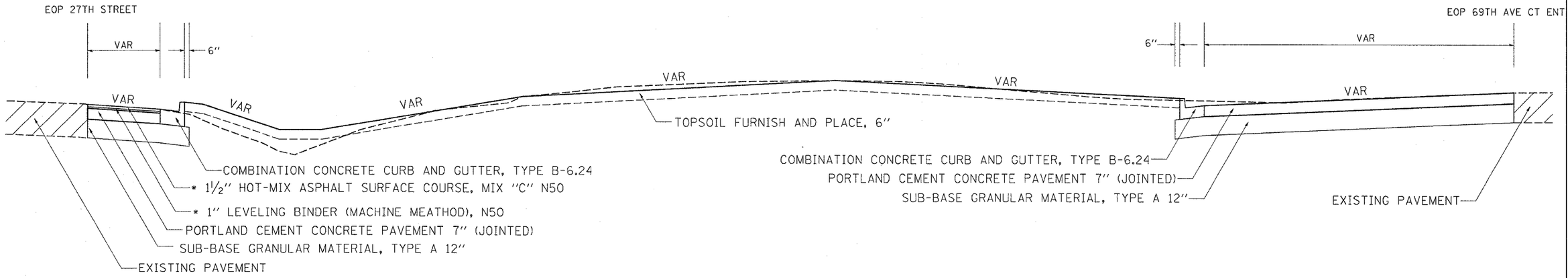
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL SECTIONS

27TH ST STA. 20+22.50 - STA. 20+42.00



SECTION NORTH OF 27TH ST STA. 20+42.00



* 112 POUNDS / SQUARE YARD / INCH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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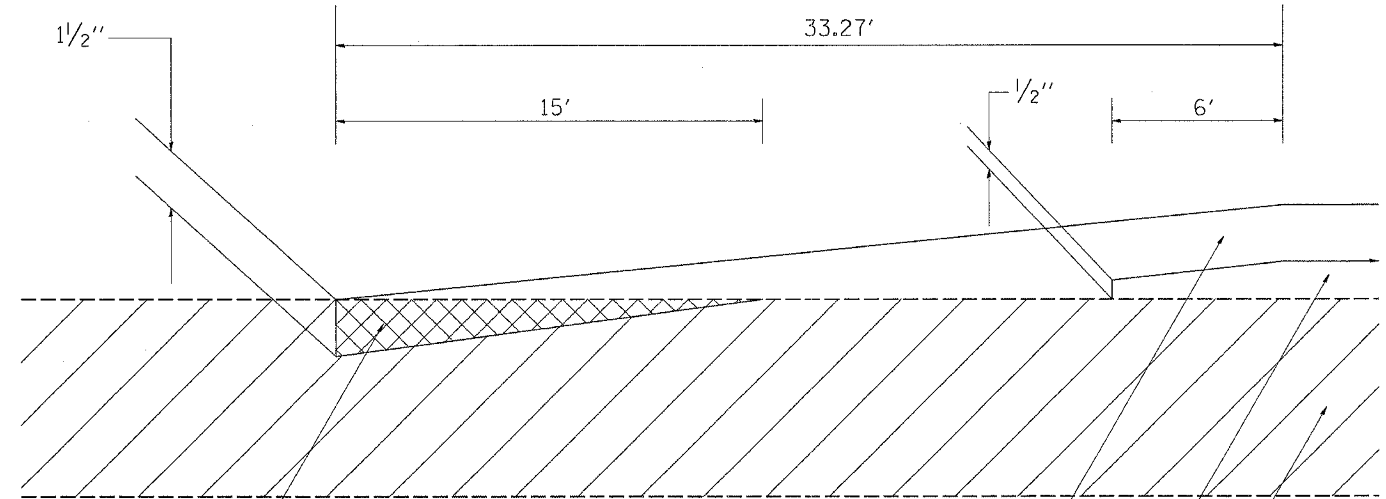
TYPICAL SECTIONS

CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL SECTIONS

69TH AVE CT
STA. 200+33.24 - STA. 200+66.51



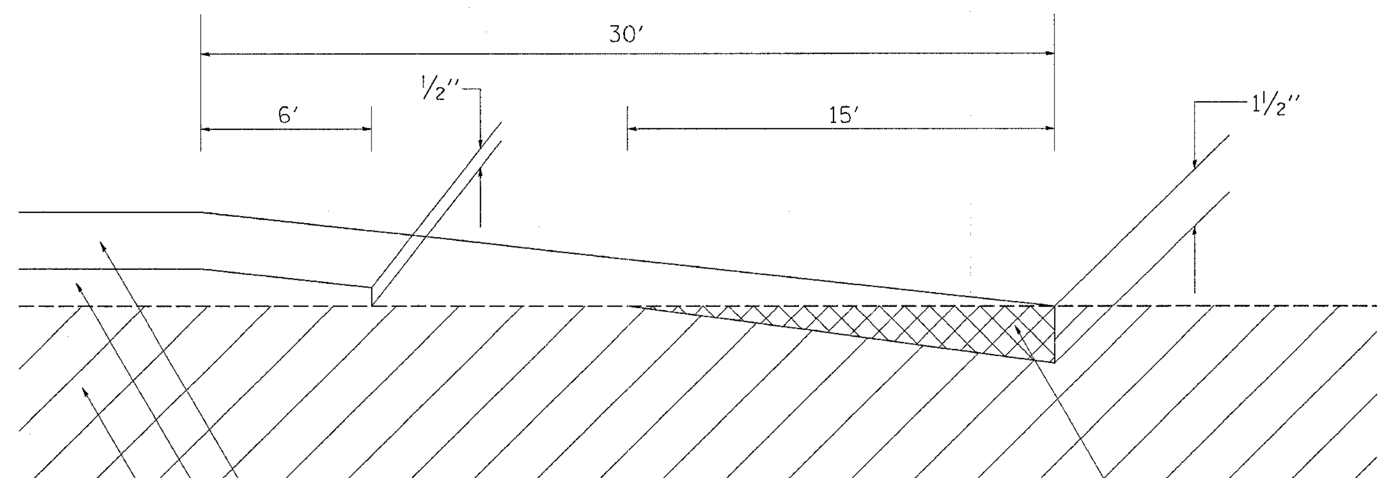
HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT

* 1½" HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50

* 1" LEVELING BINDER (MACHINE MEATHOD), N50

EXISTING PAVEMENT

69TH AVE CT
STA. 201+16.76 - STA. 201+46.76



* 1½" HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50

* 1" LEVELING BINDER (MACHINE MEATHOD), N50

EXISTING PAVEMENT

PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT

* 112 POUNDS / SQUARE YARD / INCH

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.

DATE

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TYPICAL SECTIONS

CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	31	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

20200100 EARTH EXCAVATION

CU YD	LOCATION			
	27th ST			
472	RT	19+58	-	20+ 95
472.00	TOTAL			

21101625 TOPSOIL FURNISH AND PLACE, 6"

SQ YD	LOCATION			
	27th ST			
972	RT	19+58	-	20+ 95
972.00	TOTAL			

25200100 SODDING

SQ YD	LOCATION			
	27th ST			
972	RT	19+58	-	20+ 95
972.00	TOTAL			

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION		
	27th ST		
1	RT	20+52	56' RT
1	RT	20+63	56' RT
1	RT	20+63	74' RT
3.00	TOTAL		

31100910 SUB-BASE GRANULAR MATERIAL, TYPE A 12"

SQ YD	LOCATION			
	27th ST			
572	RT	19+58	-	20+ 95
572.00	TOTAL			

40600625 LEVELING BINDER (MACHINE MEATHOD), N50

TONS	LOCATION				
	69th AVE CT				
1	LT & RT	200+60	-	200+ 67	TAPER
9	LT & RT	200+67	-	201+ 17	
1	LT & RT	201+17	-	201+ 23	TAPER
11.00	TOTAL				

40600982 HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT

SQ YD	LOCATION			
	69th AVE CT			
75	LT & RT	200+33	-	200+ 49
75.00	TOTAL			

40600985 PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT

SQ YD	LOCATION			
	69th AVE CT			
46	LT & RT	201+31	-	201+ 47
46.00	TOTAL			

40603310 HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50

TONS	LOCATION			
	27th ST			
1	RT	20+22	-	20+ 42
	69th AVE CT			
49	LT & RT	200+33	-	201+ 47
50.00	TOTAL			

42000201 PORTLAND CEMENT CONCRETE PAVEMENT 7" (JOINTED)

SQ YD	LOCATION			
	27th ST			
497	RT	19+58	-	20+ 95
497.00	TOTAL			

44000100 PAVEMENT REMOVAL

SQ YD	LOCATION			
	69th AVE CT			
21	RT	200+66	-	201+ 26
21.00	TOTAL			

44004250 PAVED SHOULDER REMOVAL

SQ YD	LOCATION			
	27th ST			
70	RT	20+22	-	20+ 94
70.00	TOTAL			

44200919 CLASS B PATCHES, TYPE II, 7 INCH

SQ YD	LOCATION	
	69th AVE CT	
8	RT	200+94
10	LT	200+94
10	LT	201+31
28.00	TOTAL	

44213200 SAW CUTS

FOOT	LOCATION		
	69th AVE CT		
39	RT	200+94	6' CLASS B PATCH
57	LT	200+94	6' CLASS B PATCH
60	RT	201+31	6' CLASS B PATCH
156.00	TOTAL		

50105220 PIPE CULVERT REMOVAL

FOOT	LOCATION				
	69th AVE CT				
58	RT	200+80	-	201+ 38	18" PIPE CULVERT
58.00	TOTAL				

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

FOOT	LOCATION			
	27th ST			
9	RT	20+52	-	20+ 64
9.00	TOTAL			

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	31	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

54244405 FLUSH INLET BOX FOR MEDAIN, STANDARD 542546

EACH	LOCATION			
	27th ST			
1	56' RT	20+52		
1.00	TOTAL			

550A0050 STORM SEWERS, CLASS A, TYPE 1 12"

FOOT	LOCATION			
	27th ST			
12	RT	20+62	-	20+ 74
12.00	TOTAL			

550A0070 STORM SEWERS, CLASS A, TYPE 1 15"

FOOT	LOCATION			
	69th AVE CT			
76	RT	200+73	-	201+ 50
3	RT	201+53	-	201+ 56
79.00	TOTAL			

55034200 STORM SEWERS, TYPE 1 REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 23, RISE 14

FOOT	LOCATION			
	27th ST			
21	RT	20+52	-	20+ 63
21.00	TOTAL			

55100700 STORM SEWER REMOVAL 15"

FOOT	LOCATION			
	69th AVE CT			
16	RT	201+38	-	20+ 53
16.00	TOTAL			

56109210 WATER VALVES TO BE ADJUSTED

EACH	LOCATION		
	27th ST		
1	RT	20+79	51' RT
1.00	TOTAL		

60107600 PIPE UNDERDRAINS 4"

FOOT	LOCATION	
	69th AVE CT	
20	RT	200+72
30	RT	49+54
50.00	TOTAL	

60221100 MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID

EACH	LOCATION		
	27th ST		
1	RT	20+62.58	74' RT
1.00	TOTAL		

60255500 MANHOLES TO BE ADJUSTED

EACH	LOCATION		
	27th ST		
1	RT	20+87	59' RT
1.00	TOTAL		

60242801 INLETS, SPECIAL, NO. 5

EACH	LOCATION		
	69TH AVE CT		
1	RT	200+72	34' RT
1	LT	49+55	39' LT
2.00	TOTAL		

60255800 MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID

EACH	LOCATION		
	27th ST		
1	RT	21+6	59' RT
1.00	TOTAL		

60500060 REMOVING INLETS

EACH	LOCATION		
	69TH AVE CT		
1	RT	201+38	50' RT
1.00	TOTAL		

60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

FOOT	LOCATION			
	27th ST			
266	RT	20+42	-	48+ 24
266.00	TOTAL			

78001110 PAINT PAVEMENT MARKING - LINE 4" (DOUBLE APPLICATION)

FOOT	LOCATION				
	27th ST				
585	RT	20+22	-	48+ 24	WHITE EDGE
60	RT	20+22	-	21+ 24	YELLOW SKIP DASH
	69TH AVE CT				
1040	LT&RT	48+33	-	49+ 76	DOUBLE YELLOW
1,685.00	TOTAL				

78001150 PAINT PAVEMENT MARKING-LINE 12" (DOUBLE APPLICATION)

FOOT	LOCATION				
	69TH AVE CT				
204	LT&RT	48+33	-	49+ 76	MEDIAN DIAGONAL
204.00	TOTAL				

78001180 PAINT PAVEMENT MARKING-LINE 24" (DOUBLE APPLICATION)

FOOT	LOCATION		
	69TH AVE CT		
60	RT	49+72	STOP BAR
60.00	TOTAL		

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CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	31	11
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

Z0017100 DOWEL BARS

EACH	LOCATION		
	69TH AVE CT		
18	RT	200+94	6' CLASS B PATCH
26	LT	200+94	6' CLASS B PATCH
24	RT	201+31	6' CLASS B PATCH
68.00	TOTAL		

Z0028415 GEOTECHNICAL REINFORCEMENT

SQ YD	LOCATION			
	69th AVE CT			
18	LT&RT	200+91	-	200+ 97
10	LT	201+28	-	201+ 34
28.00	TOTAL			

Z0028700 GRANULAR SUBGRADE REPLACEMENT

CU YD	LOCATION			
	69th AVE CT			
3	LT&RT	200+91	-	200+ 97
2	LT	201+28	-	201+ 34
5.00	TOTAL			

*2001377 STRIP REFLECTIVE CRACK CONTROL TREATMENT SYSTEM D

FOOT	LOCATION				
	27th ST				
172	RT	20+22	-	201+ 47	WIDENING CRACK FROM 27TH ST AROUND TO 69TH AVE CT
	69TH AVE CT				
30	RT	201+00	-	201+ 26	DIAGONAL CRACK
202.00	TOTAL				

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CONTRACT NO. 64C16

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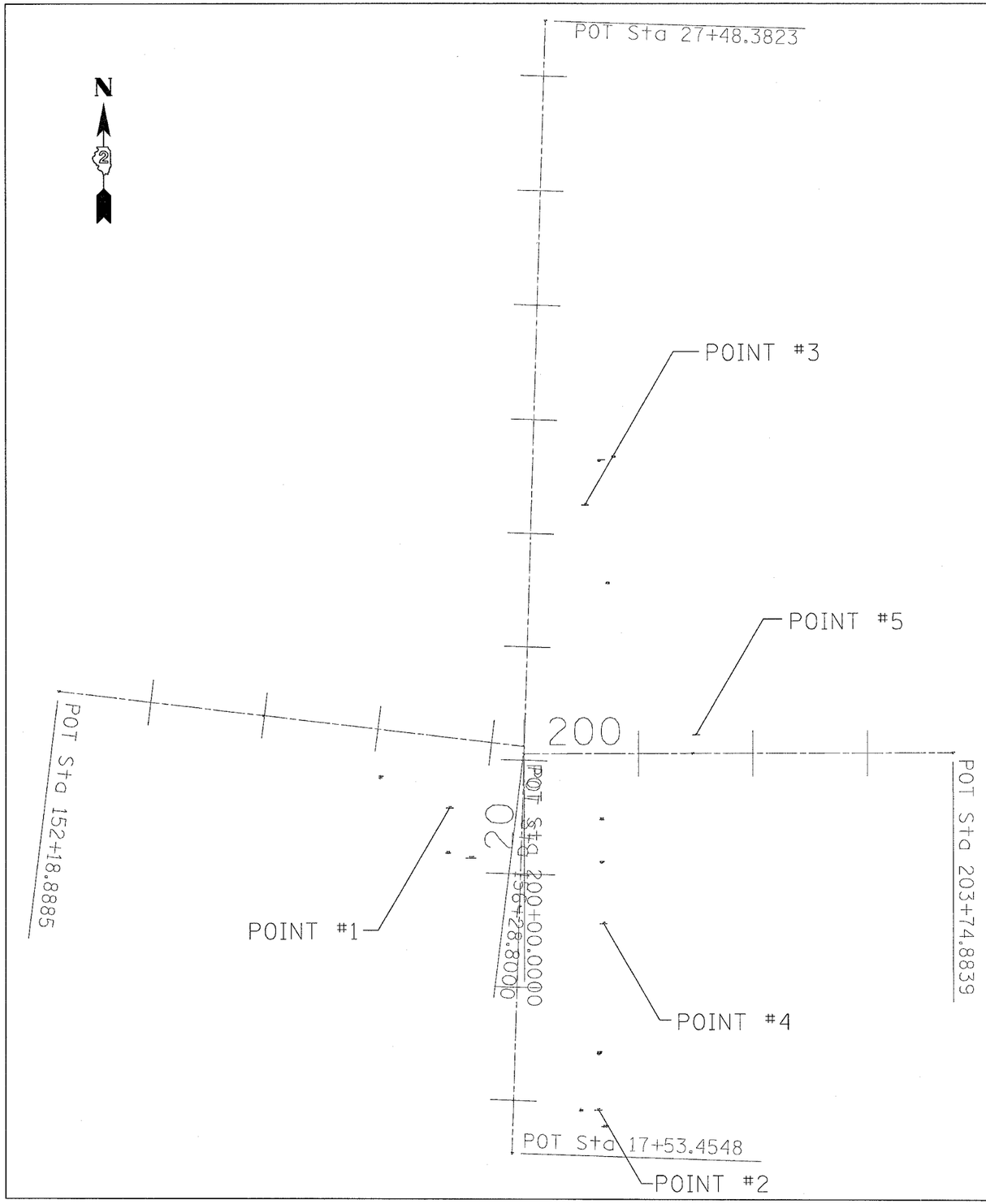
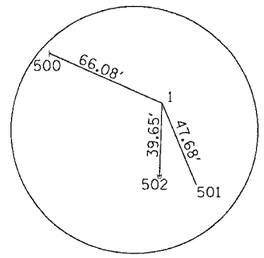
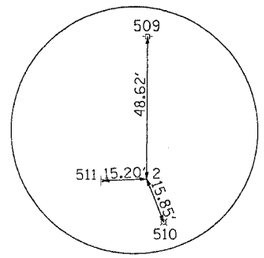
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





HORIZONTAL CONTROL POINT #1



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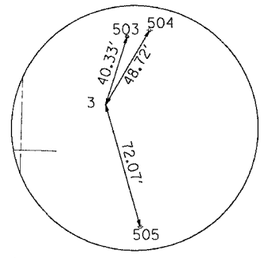

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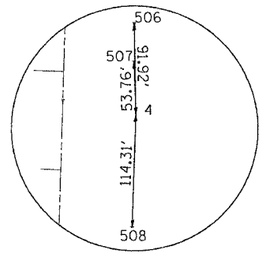

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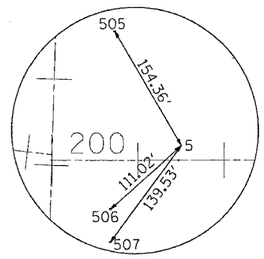

HORIZONTAL CONTROL POINT #5

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	13
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Chain 27THST contains:
10 12

Beginning chain 27THST description
==========

Point 10 N 1,744,023.5260 E 2,205,356.0620 Sta 17+53.4548

Course from 10 to 12 1° 42′ 52.5240″ Dist 994.9275′

Point 12 N 1,745,018.0080 E 2,205,385.8310 Sta 27+48.3823

==========
Ending chain 27THST description

Chain 69THAVCT contains:
210 15

Beginning chain 69THAVCT description
==========

Point 210 N 1,744,375.4340 E 2,205,366.5961 Sta 200+00.0000

Course from 210 to 15 89° 52′ 17.2841″ Dist 374.8839′

Point 15 N 1,744,376.2750 E 2,205,741.4790 Sta 203+74.8839

==========
Ending chain 69THAVCT description

Chain AIRPORTRD contains:
13 200

Beginning chain AIRPORTRD description
==========

Point 13 N 1,744,431.1620 E 2,204,959.8480 Sta 152+18.8885

Course from 13 to 200 96° 54′ 02.9854″ Dist 409.9115′

Point 200 N 1,744,381.9106 E 2,205,366.7899 Sta 156+28.8000

==========
Ending chain AIRPORTRD description

Chain P20190 contains:
70201 CUR 70220 CUR 70210 70200

Beginning chain P20190 description
==========

Point 70201 N 1,744,213.9733 E 2,205,495.3648 Sta 48+12.5307

Course from 70201 to PC 70220 359° 52′ 17.2849″ Dist 21.0565′

Curve Data

Curve 70220
P.I. Station 48+63.9759 N 1,744,265.4183 E 2,205,495.2494
Delta = 62° 34′ 48.7076″ (RT)
Degree = 114° 35′ 29.6125″
Tangent = 30.3886′
Length = 54.6115′
Radius = 50.0000′
External = 8.5104′
Long Chord = 51.9371′
Mid. Ord. = 7.2726′
P.C. Station 48+33.5872 N 1,744,235.0298 E 2,205,495.3175
P.T. Station 48+88.1988 N 1,744,279.4730 E 2,205,522.1926
C.C. N 1,744,235.1419 E 2,205,545.3174

Course from PT 70220 to PC 70210 62° 27′ 05.9924″ Dist 11.6509′

Curve Data

Curve 70210
P.I. Station 49+27.1994 N 1,744,297.5107 E 2,205,556.7714
Delta = 62° 34′ 48.7084″ (LT)
Degree = 127° 19′ 26.2361″
Tangent = 27.3498′
Length = 49.1504′
Radius = 45.0000′
External = 7.6594′
Long Chord = 46.7434′
Mid. Ord. = 6.5453′
P.C. Station 48+99.8496 N 1,744,284.8615 E 2,205,532.5225
P.T. Station 49+49.0000 N 1,744,324.8604 E 2,205,556.7100
C.C. N 1,744,324.7594 E 2,205,511.7101

Course from PT 70210 to 70200 359° 52′ 17.2841″ Dist 51.0000′

Point 70200 N 1,744,375.8602 E 2,205,556.5956 Sta 50+00.0000

==========
Ending chain P20190 description

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1744328.4042	2205301.6866	602.1453	27THST	20+56.5695	63.4732′ LT	PIN
2	1744062.4461	2205431.7060	602.6880	27THST	17+94.6208	74.4456′ RT	PIN
3	1744595.6707	2205420.2361	598.0880	27THST	23+27.2635	47.0264′ RT	PIN
4	1744226.5258	2205436.1318	603.6293	27THST	19+58.7595	73.96′ RT	PIN
5	1744392.7130	2205517.0590	603.1820	27THST	21+27.2937	149.8786′ RT	PIN

REFERENCE TIES

POINT	CHAIN	STATION	OFFSET	DESCRIPTION
500	27THST	20+81.3395	124.7344′ LT	SIGN POLE, SHINER
501	27THST	20+13.1481	43.7798′ LT	TRAFFIC SIGNAL CANTILEVER, PAINTED
502	27THST	20+16.9105	63.7093′ LT	FIRE HYDRANT, TOP
503	27THST	23+66.0533	58.0596′ RT	MANHOLE, CENTER
504	27THST	23+69.9318	70.5521′ RT	POWER POLE WITH LIGHT, NAIL
505	27THST	22+58.4753	68.5261′ RT	POWER POLE WITH LIGHT, NAIL
506	27THST	20+50.5711	69.6602′ RT	FIRE HYDRANT, TOP
507	27THST	20+12.4177	70.6853′ RT	POWER POLE, SHINER
508	27THST	18+44.4524	73.5902′ RT	POWER POLE WITH LIGHT, SHINER
509	27THST	18+43.2296	73.3457′ RT	POWER POLE, SHINER
510	27THST	17+80.0563	80.6982′ RT	STREET LIGHT POLE, PAINTED
511	27THST	17+93.5575	59.2806′ RT	SIGN POLE, NAIL

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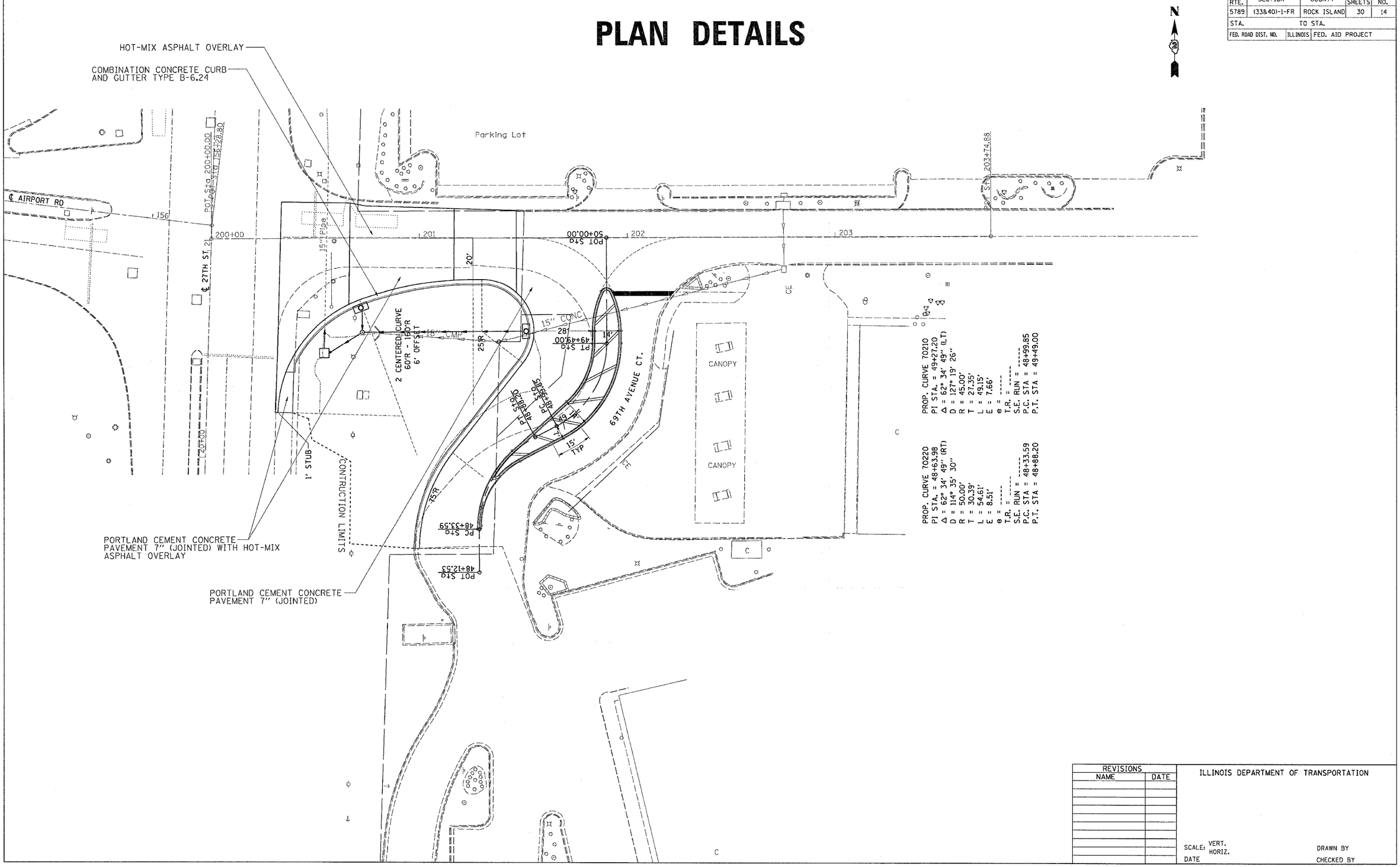
CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN DETAILS



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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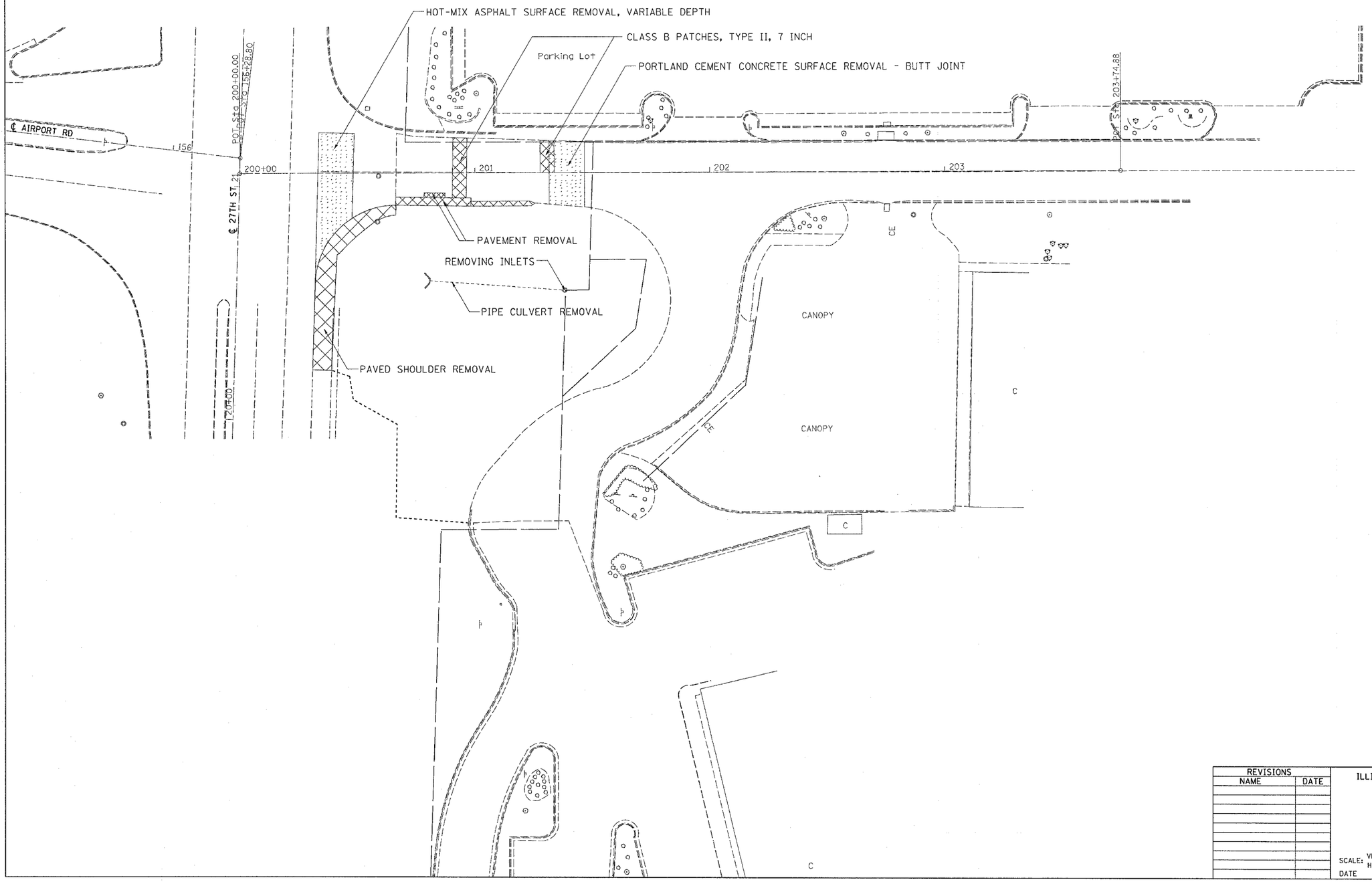
PLAN DETAILS

CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	15
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVAL DETAILS



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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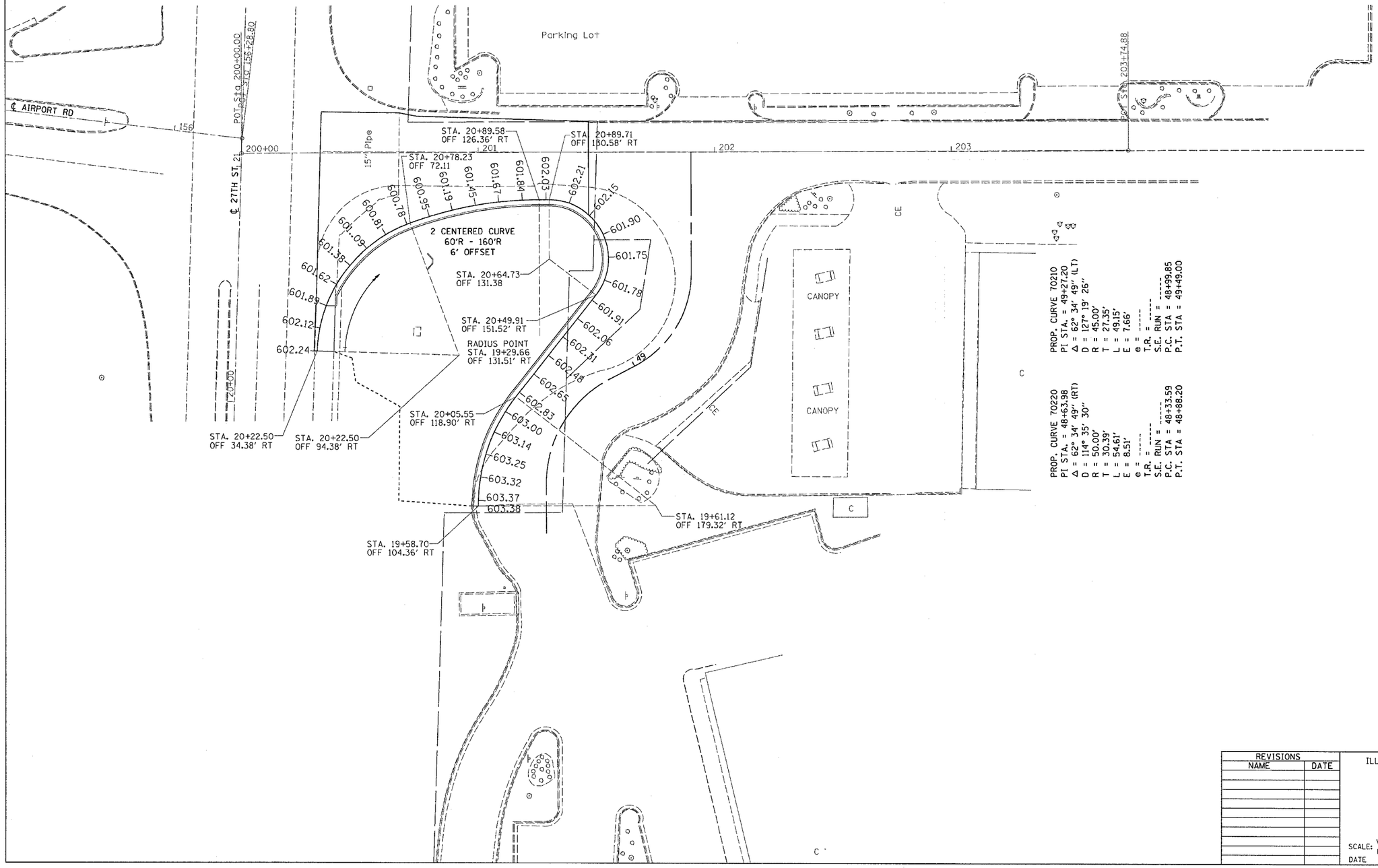
REMOVAL DETAILS

CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	16
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ELEVATION DETAIL



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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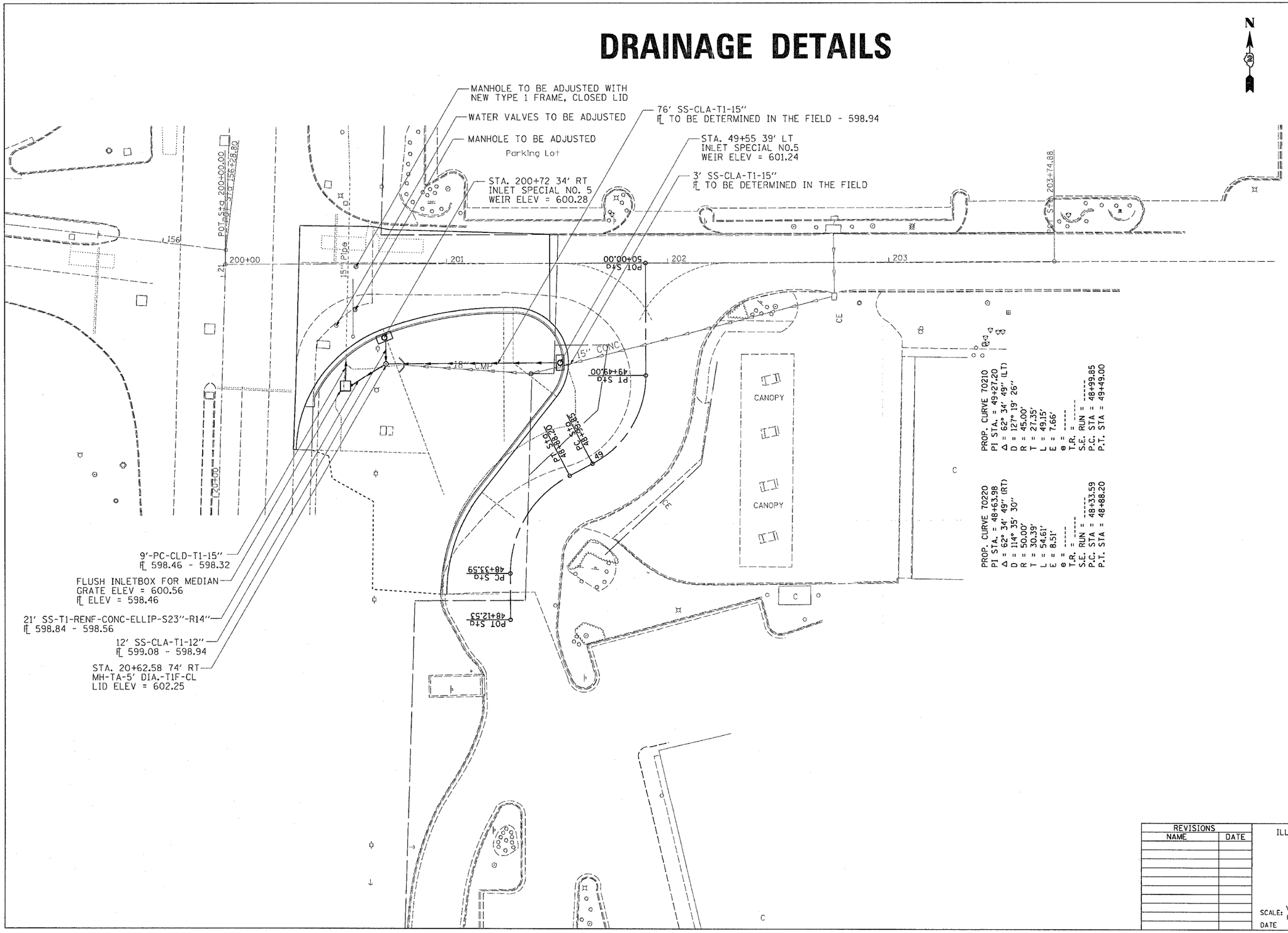
ELEVATION DETAIL

CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(338&40)-1-FR	ROCK ISLAND	30	17
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DRAINAGE DETAILS



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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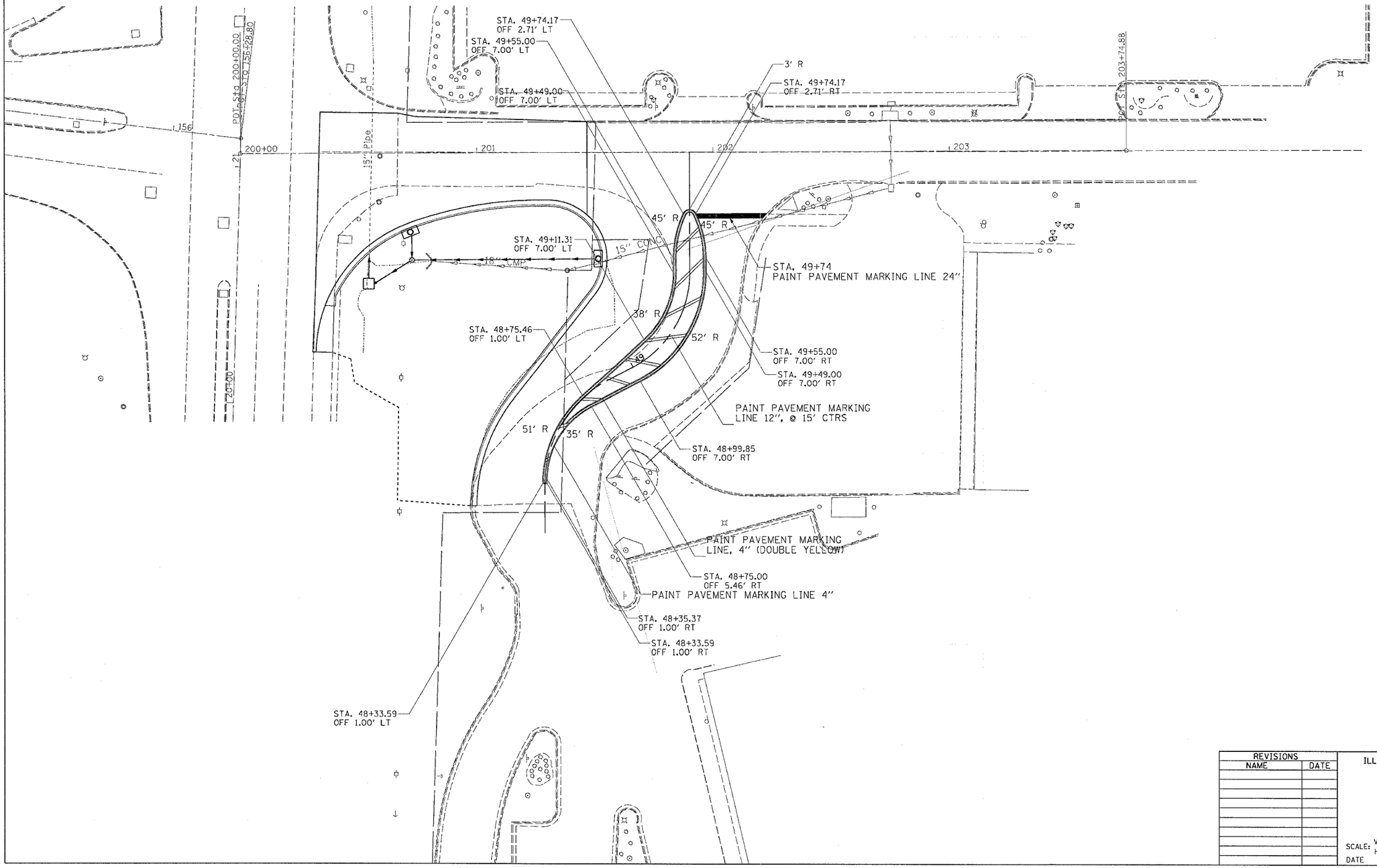
DRAINAGE DETAILS

CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	18
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKING DETAILS



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REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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PAVEMENT MARKING DETAILS

CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	19
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL TABULATION OF QUATITIES AND GENERAL NOTES

	TABULATION OF QUANTITIES FOR 27TH @ AIRPORT		
PAY CODE	ITEM	UNIT	TOTAL
* 80501000	SERVICE INSTALLATION, (SPECIAL)	EACH	1
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/C NO. 10	FOOT	1404
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	1
* 82500605	LIGHTING CONTROLLER PHOTOCELL RELAY	EACH	1
* 85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1
* 87100110	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 6F	FOOT	3180
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1874
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	798
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO 6 3C	FOOT	48
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT	EACH	1
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	11
87900200	DRILL EXISTING HANDHOLE	EACH	3
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED		
88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	1
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
* 89502380	REMOVE EXISTING HANDHOLE	EACH	7
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
* X0324887	CONDUIT INSTALLED, 2 1/2", NON-METALLIC	FOOT	32
* X0324888	CONDUIT INSTALLED, 4", NON-METALLIC	FOOT	394
* X0325335	CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC	FOOT	25
* XX003165	VIDEO CAMERA DETECTOR SYSTEM	EACH	1

GENERAL NOTES;
1. RELOCATE TWO SIGNAL HEADS FROM THE EXISTING MAST-ARM ASSEMBLY TO THE PROPOSED COMBINATION MAST-ARM ASSEMBLY.
2. CABLE SPLICING SHALL BE ALLOWED AT THE BASE OF THE EXISTING SIGNAL POSTS FOR SIGNAL HEADS AND LUMINAIRES
3. THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE RETAINED BY HIM/HER FOR SALVAGE VALUE:
   1 EACH MAST-ARM ASSEMBLY
   1 EACH CONTROLLER AND AND CABINET
   1 EACH SERVICE INSTALLATION
   ALL WIRE AND CABLE TO BE REMOVED AS SHOWN ON PLANS
4. THE EXISTING TWO SIGNS ON THE EXISTING MAST-ARM ASSEMBLY SHALL BE RELOCATED TO THE PROPOSED COMBINATION MAST-ARM ASSEMBLY IN ACCORDANCE WITH ARTICLE 107.25 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
5. AT THE TIME OF THE PLAN PREPARATION THE CONDUIT ATTACHED TO STRUCTURE FOR THE FIBER OPTIC INNERCONNECT SHOWED NO NEED FOR REPAIR OR ADJUSTING.
6. ABANDON EXISTING CONDUIT IN RACEWAY BETWEEN HANDHOLES THAT ARE BEING REMOVED.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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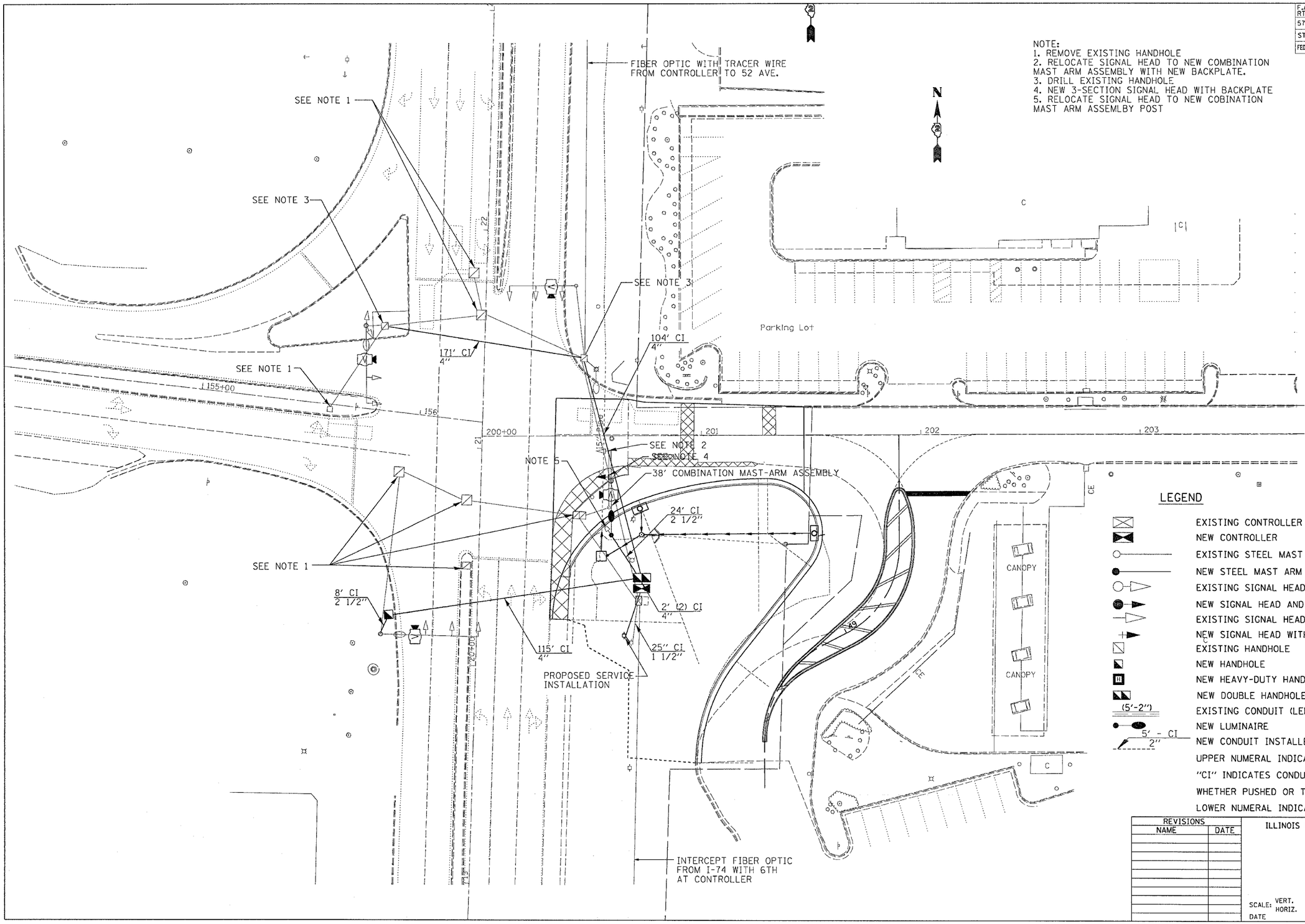
TRAFFIC SIGNAL TABULATION OF QUATITIES AND GENERAL NOTES

CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	20
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTE:
1. REMOVE EXISTING HANDHOLE
2. RELOCATE SIGNAL HEAD TO NEW COMBINATION MAST ARM ASSEMBLY WITH NEW BACKPLATE.
3. DRILL EXISTING HANDHOLE
4. NEW 3-SECTION SIGNAL HEAD WITH BACKPLATE
5. RELOCATE SIGNAL HEAD TO NEW COBINATION MAST ARM ASSEMLBY POST



LEGEND

- EXISTING CONTROLLER
- NEW CONTROLLER
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE
- NEW STEEL MAST ARM ASSEMBLY AND POLE
- EXISTING SIGNAL HEAD AND POST
- NEW SIGNAL HEAD AND POST
- EXISTING SIGNAL HEAD
- NEW SIGNAL HEAD WITH BACKPLATE
- EXISTING HANDHOLE
- NEW HANDHOLE
- NEW HEAVY-DUTY HANDHOLE
- NEW DOUBLE HANDHOLE
- (5'-2") EXISTING CONDUIT (LENGTH AND SIZE)
- 5' - CI 2" NEW LUMINAIRE
- NEW CONDUIT INSTALLED, NON-METALLIC
- UPPER NUMERAL INDICATES LENGTH
- "CI" INDICATES CONDUIT INSTALLED, NON -METALLIC
- WHETHER PUSHED OR TRENCHED
- LOWER NUMERAL INDICATES SIZE OF CONDUIT

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

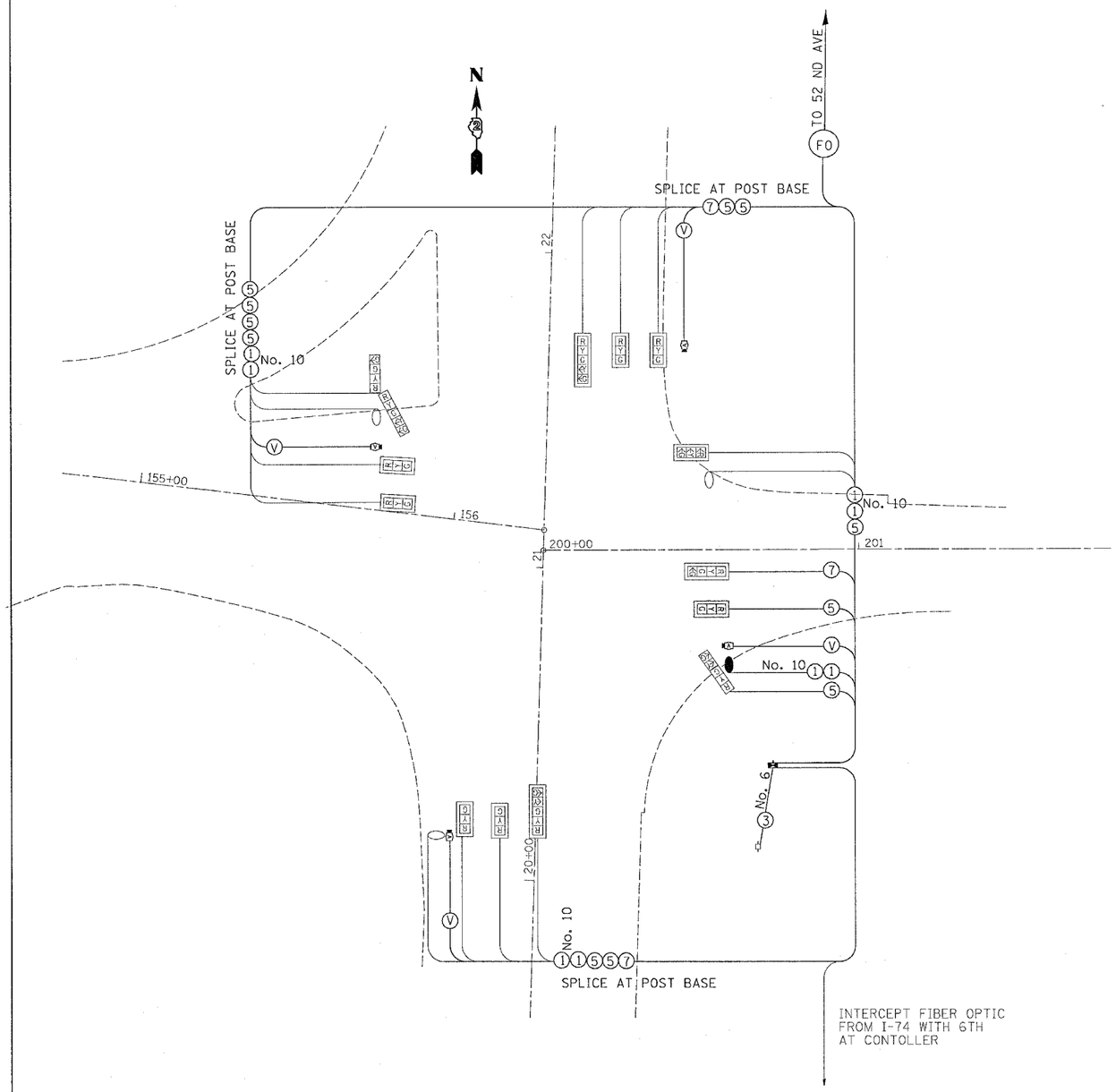
SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = Wed Mar 21 09:21:36 2007
FILE NAME = z:\projects\p284306\s284306.dgn
PLOT SCALE = 20.0000 ' / IN.
USER NAME = meglilj

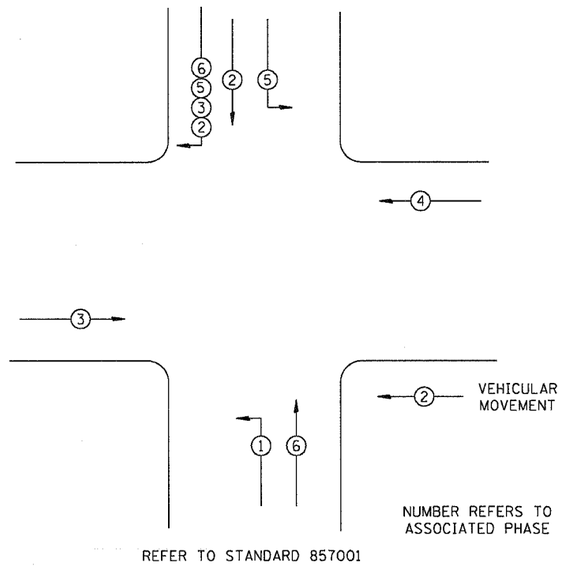
TRAFFIC SIGNAL PLANS

CONTRACT NO. 64C16

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	21
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PHASE DESIGNATION DIAGRAM



REFER TO STANDARD 857001

DETECTOR ASSIGNMENT		
DETECTOR	PHASE NO.	DIRECTION
A	4	EB ADVANCE
B	4	EB PRESENT
C	8	WB PRESENT
D	2	NB ADVANCE
E	2	NB PRESENT
F	1	NB LEFT
G	6	SB ADVANCE
H	6	SB PRESENT
I	1	SB LEFT

LEGEND

(2) INDICATES NUMBER OF NEW CONDUCTORS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED.

R Y G EXISTING SIGNAL HEAD WITH OR WITHOUT BACKPLATE

LUMINAIRE, 250 WATT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

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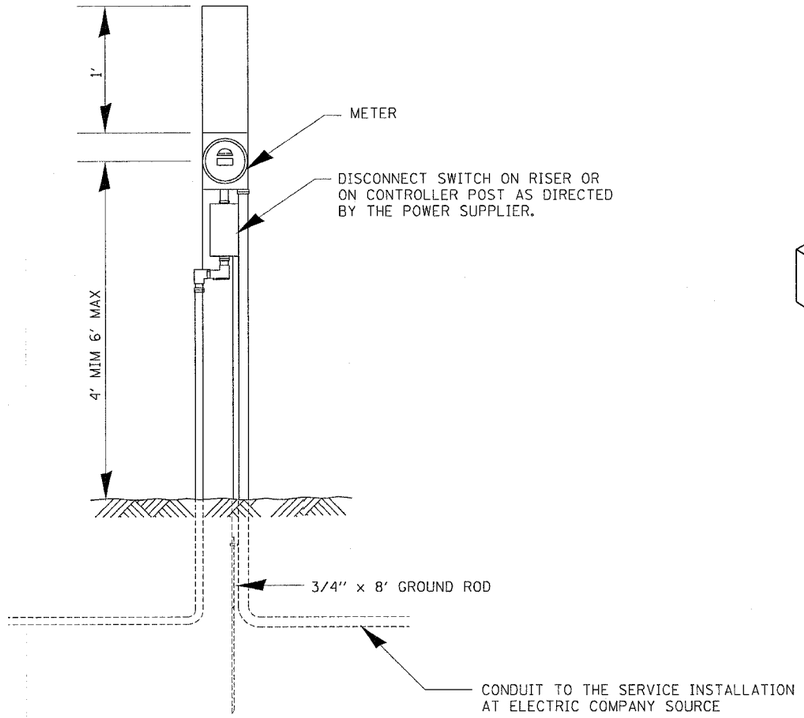
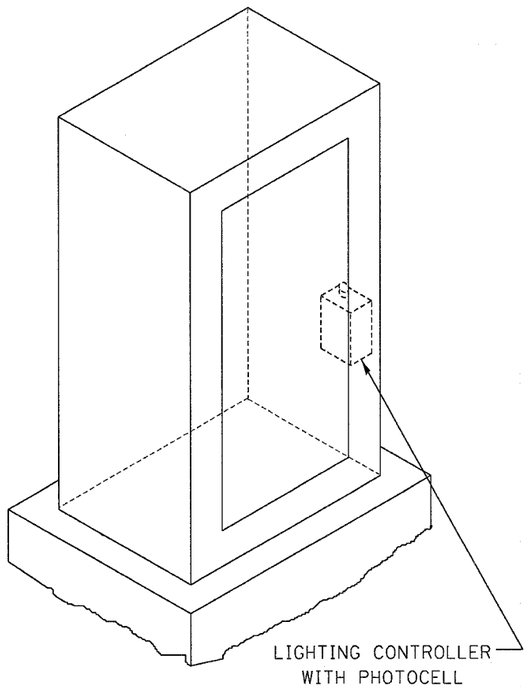
SIGNAL CABLE DETAILS

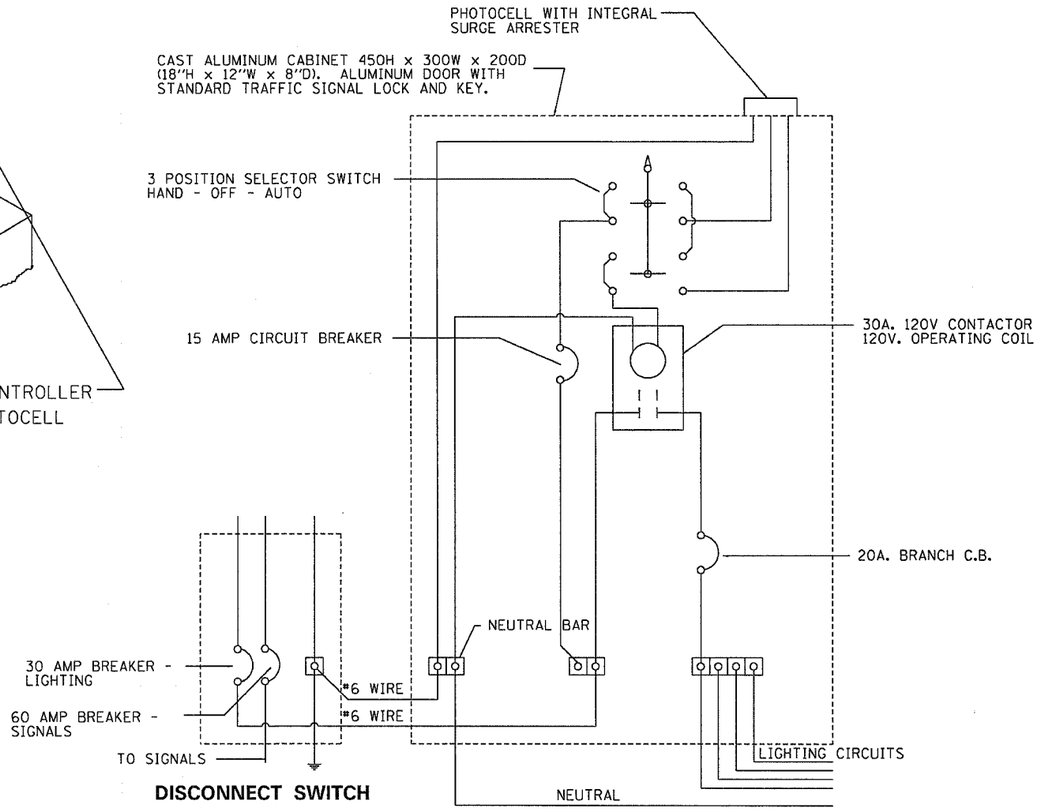
CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	22
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ELECTRIC SERVICE INSTALLATION, SPECIAL
(SEE SPECIAL PROVISIONS)
(DETAIL ONLY SHOW GENERAL SERVICE WHICH VARIES BY PROVIDERS)





LIGHTING CONTROLLER (PHOTOCELL RELAY)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

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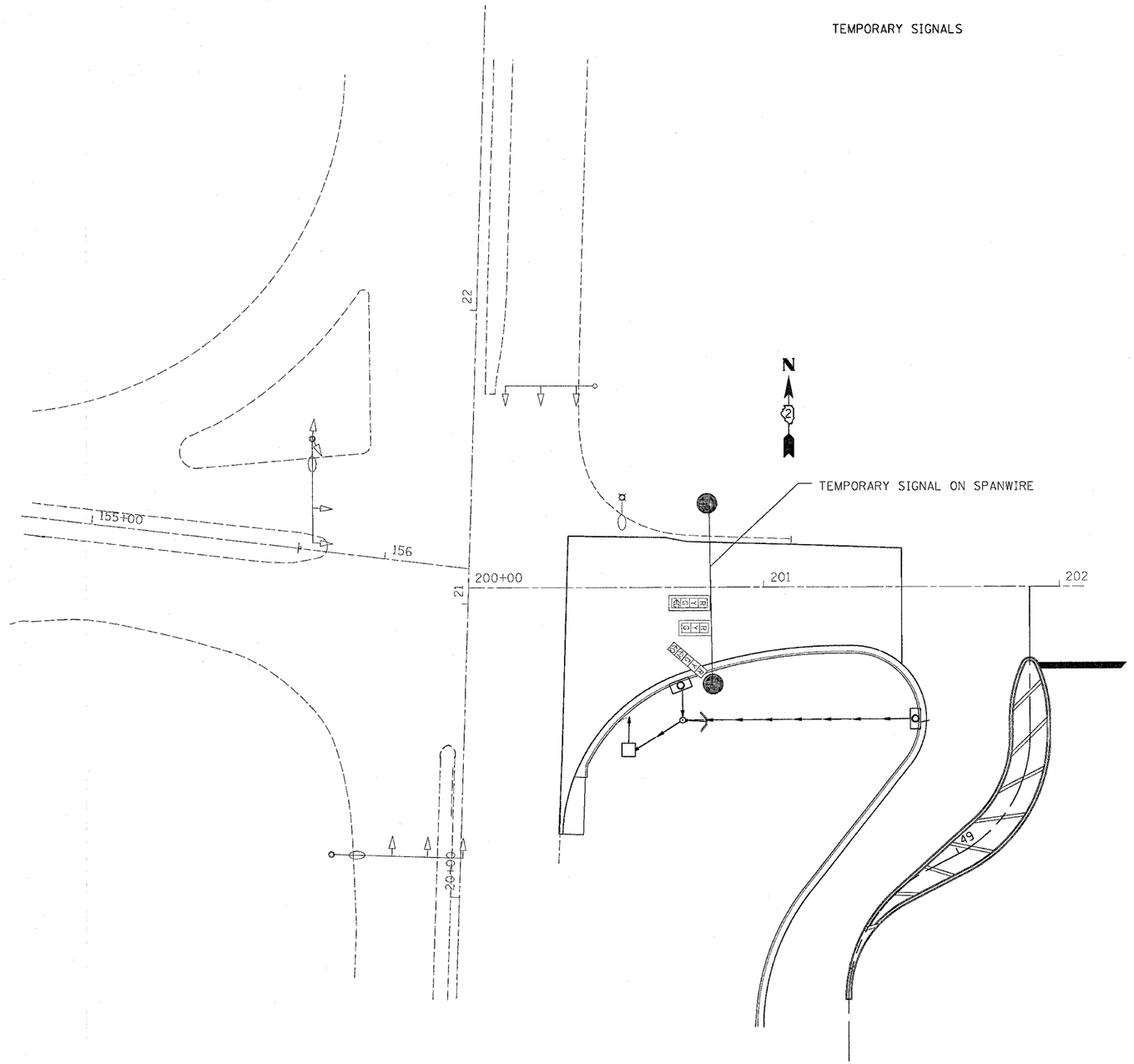
USER NAME = mwgill

TRAFFIC SIGNAL DETAILS

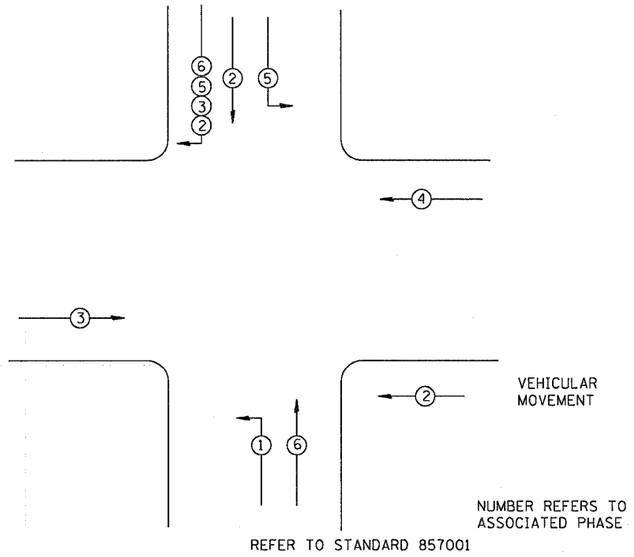
CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	23
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TEMPORARY SIGNALS



PHASE DESIGNATION DIAGRAM



REFER TO STANDARD 857001

NOTE;
ONLY ONE MAST ARM WILL BE REPLACE IN A NEW LOCATION WHICH WILL REQUIRE TEMPORARY SIGNAL INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY WIRE TO THE EXISTING SIGNALS PRIOR THE SWITCHOVER TO THE PROPOSED CONTROLLER CABINET AND NEW MAST- ARM ASSEMBLY.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: VERT. HORIZ.
DATE

DRAWN BY
CHECKED BY

PLOT DATE = Wed Mar 21 09:24:37 2007
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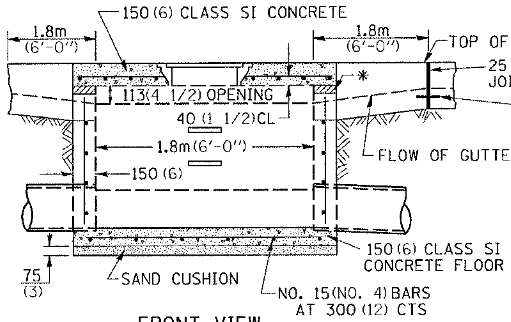
USER NAME = mesjlj

SIGNAL CABLE DETAILS

INLET SPECIAL NO. 5

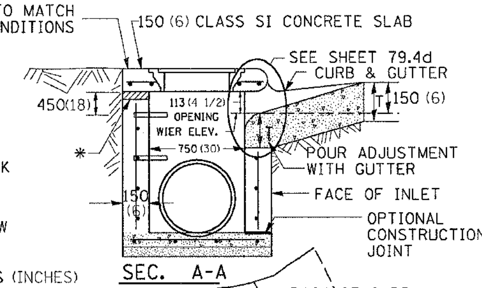


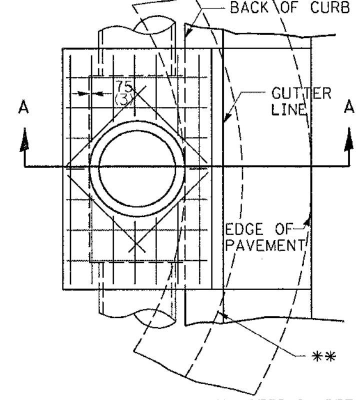
STEPS AT 300 (12) TO 400 (16) CTS.

* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 150 (6) SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

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





NOTES

SEE STANDARD 602701 FOR DETAILS OF STEPS.

25 (1) PREFORMED EXPANSION JOINTS AS SHOWN SHALL BE PROVIDED ON EACH SIDE OF INLET.

CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED TROUGHOUT.

THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTAL SECTIONS.

REINFROCEMENT FOR INLET SPECIAL NO. 5 SHALL BE ACCORDING TO DISTRICT STANDARD 79.4e

STEPS SHALL BE OMITTED WHEN DEPTH OF INLET IS LESS THAN 1.5 m (5 ft.)

THE INLET SHALL BE CAST IN PLACE OR PRECAST.

EXCEPT AS NOTED HEREON INLET SPECIAL NO. 5 SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.

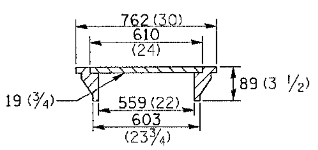
THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL NO. 5 SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE FRAME, LID, REINFORCEMENT BARS, FLOOR AND TOP SLABS, CAST IRON STEPS (IF USED).

THE CURB AND GUTTER WILL BE PAID FOR SEPARATELY AND WILL BE MEASURED THROUGH THE INLET.

THE CURB AND GUTTER ADJACENT TO AND 1.8m (6 FT) ON EITHER SIDE OF THE INLET SHALL BE CONSTRUCTED AS SHOWN WITH NO ADDITIONAL COMPENSATION FOR THE TRANSITION.

** WHEN INLET IS CONSTRUCTED IN RETURN, THE TOP OF SLAB SHALL CONFORM TO THE RADIUS OF THE RETURN.

LIGHT WEIGHT MANHOLE CASTING

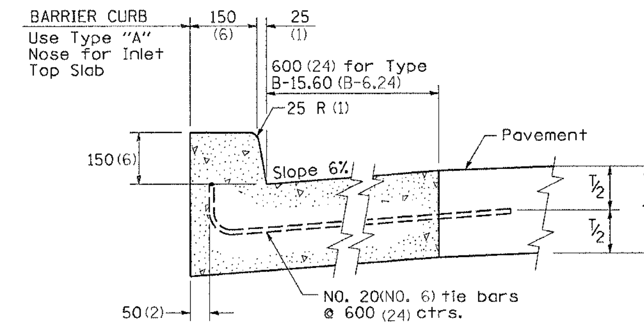


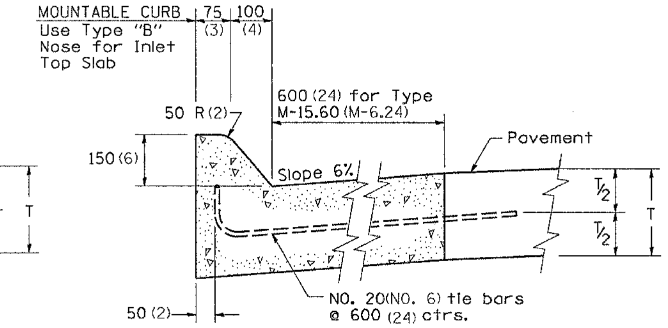
TOTAL WEIGHT 73 KG. (160 LBS.)

INLET SPECIAL NO. 5 79.4b

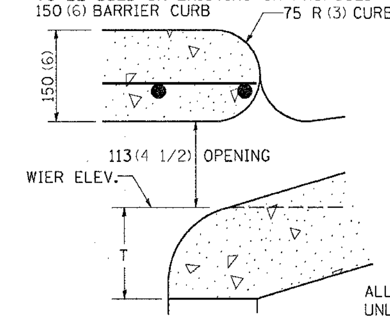
REVISED 4-4-05

NOSE TYPE FOR INLET TOP SLAB

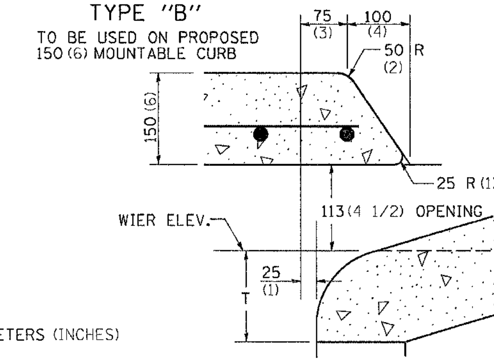




TYPE "A"
TO BE USED ON EXISTING OR PROPOSED 150 (6) BARRIER CURB



TYPE "B"
TO BE USED ON PROPOSED 150 (6) MOUNTABLE CURB

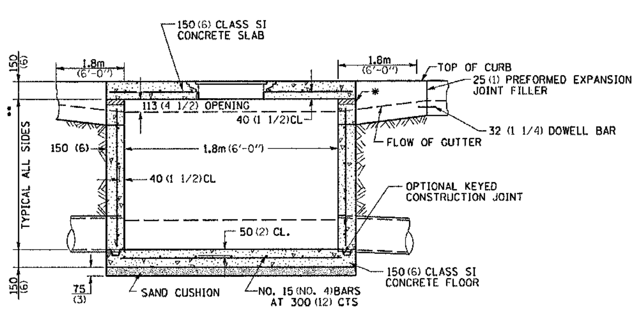


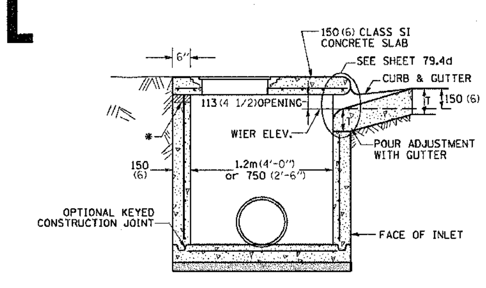
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

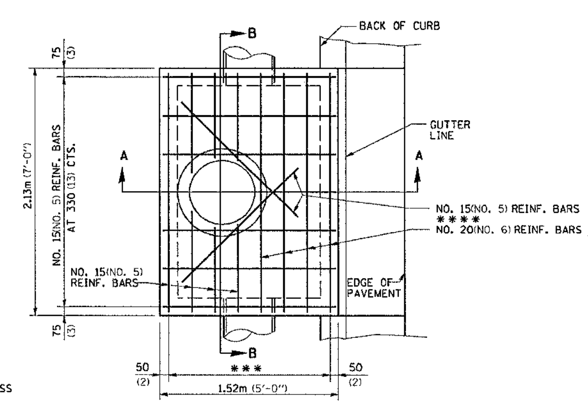
NOSE TYPE FOR INLET TOP SLAB 79.4d

REVISED 2-14-95

INLET SPECIAL NO. 3, 4, 5, 6 REINFORCEMENT DETAIL







* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 150 (6) SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

** 1.2m (4'-0") TO 2.4m (8'-0") - NO. 15 (NO. 5) REINF. BARS AT 300 (12) CTS. E.W.
2.4m (8'-0") TO 4.0m (13'-0") - NO. 15 (NO. 5) REINF. BARS AT 250 (10) CTS. E.W.
4.0m (13'-0") TO 4.6m (15'-0") - NO. 15 (NO. 5) REINF. BARS AT 200 (8) CTS. E.W.

*** 7 SPA. AT 200 mm (8") INLET SPECIAL # 3, 4
5 SPA AT 208 mm (7 5/8") INLET SPECIAL # 5, 6

**** 2 REBARS FOR INLET SPECIAL 3 & 4
4 REBARS FOR INELT SPECIAL 5 & 6

NOTES

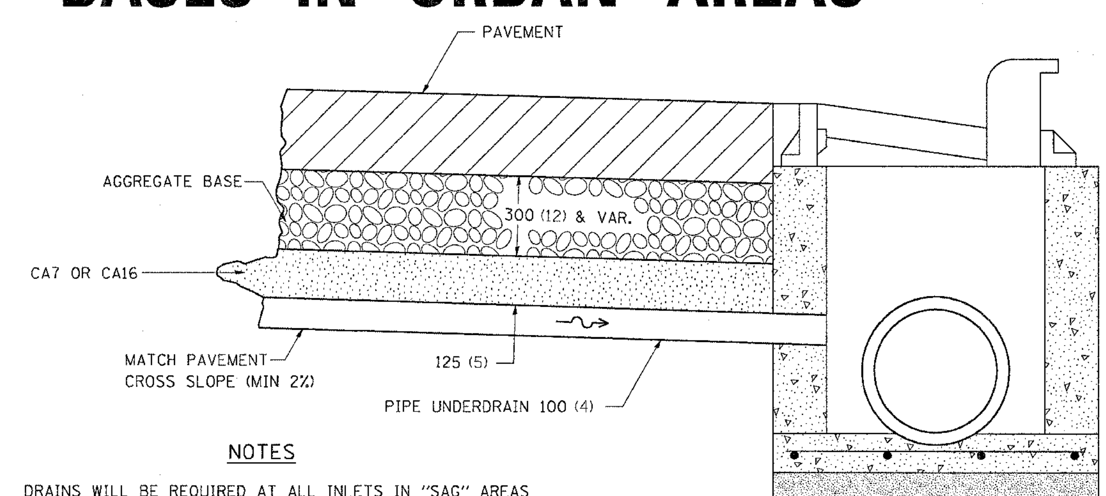
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TOP SLAB REINFORCEMENT TO BE EPOXY COATED BARS.

INLET SPECIAL NO. 3, 4, 5, 6 REINFORCEMENT DETAIL 79.4e

REVISED 4-4-05

DRAIN FOR AGGREGATE BASES IN URBAN AREAS



NOTES

DRAINS WILL BE REQUIRED AT ALL INLETS IN "SAG" AREAS AND AS INDICATED IN THE PLANS.

THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER (FOOT) FOR PIPE UNDERDRAINS OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE INLET.

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

DRAIN FOR AGGREGATE BASES IN URBAN AREAS 88.4

REVISED 4-7-99

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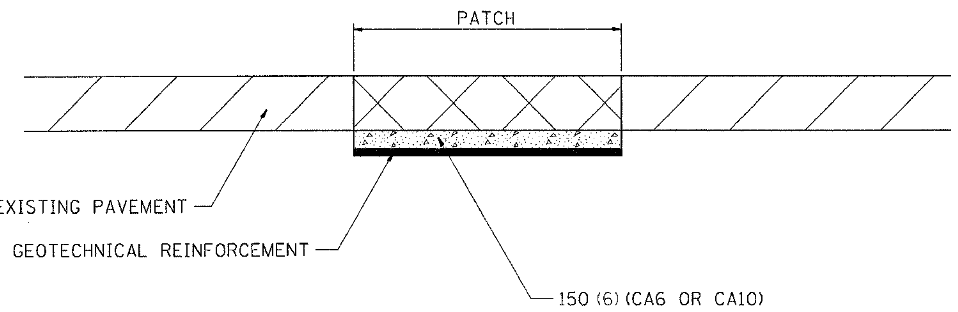
REFERENCE = #REF#

CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	25
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUBGRADE REPLACEMENT



NOTES:

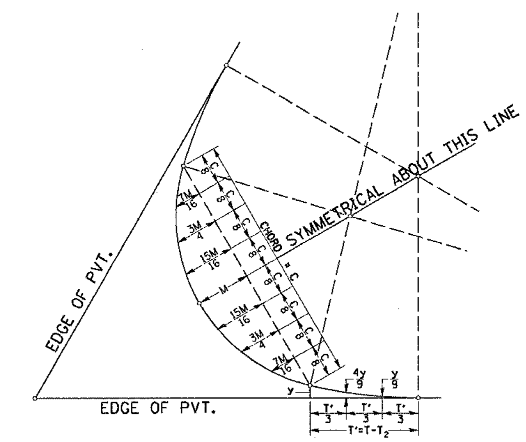
THE CA 6 OR CA10 AND UNSUITABLE MATERIAL SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU YD FOR GRANULAR SUBGRADE REPLACEMENT.

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

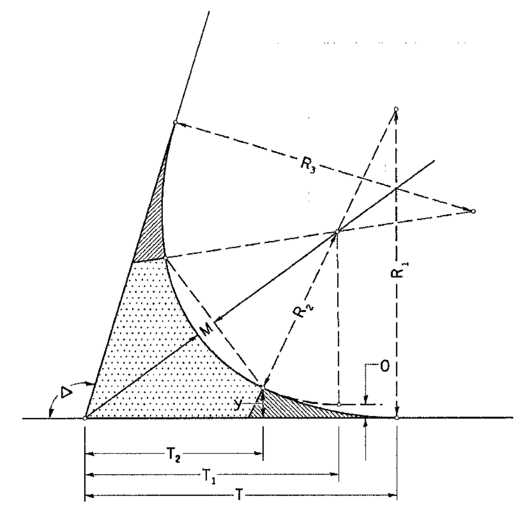
SUBGRADE REPLACEMENT 97.4

REVISED 4-23-93

THREE CENTER CURVE DATA



FIELD LAYOUT METHOD



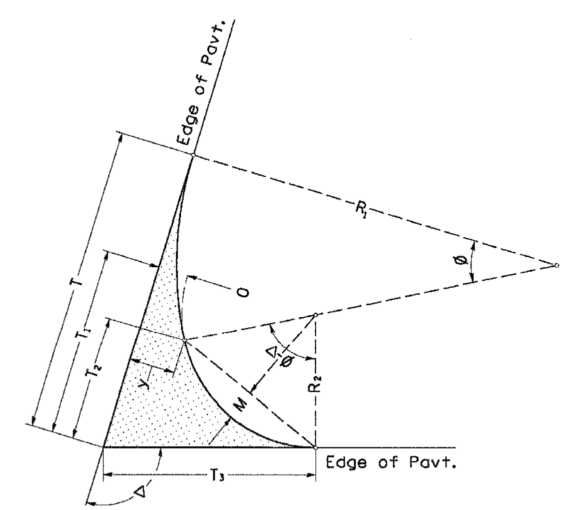
FOR SYMMETRICAL CURVES

SYMMETRICAL CURVES

CURVE *							
R_1							
R_2							
R_3							
O							
Δ							
T							
T_1							
T_2							
T'							
y							
$\frac{4y}{9}$							
$\frac{y}{9}$							
M							
$\frac{15M}{16}$							
$\frac{3M}{4}$							
$\frac{7M}{16}$							
C							

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

TWO CENTER CURVE DATA



TWO CENTER CURVES

CURVE *	1						
R_1	160						
R_2	60						
O	6						
Δ	88.169						
T	92.04						
T_1	57.92						
T_2	37.45						
T_3	64.12						
y	9.60						
$\frac{4y}{9}$	4.27						
$\frac{y}{9}$	1.07						
M	10.32						
$\frac{15M}{16}$	9.68						
$\frac{3M}{4}$	7.74						
$\frac{7M}{16}$	4.52						
C	67.29						

TWO AND THREE CENTER CURVE DATA 92.2

REVISED 3-22-90

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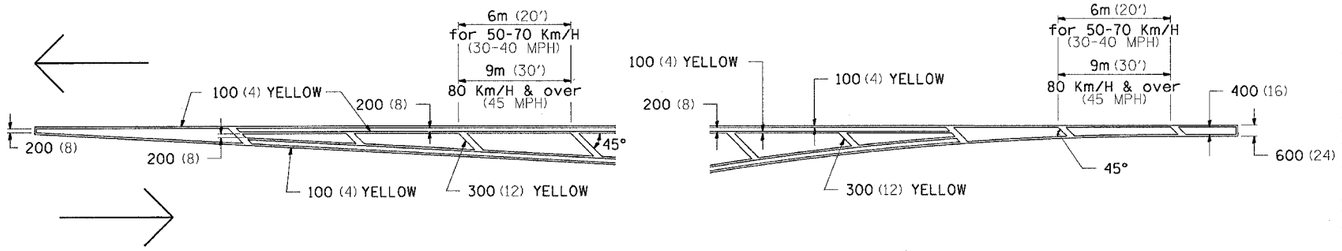
CONTRACT NO. 64C16

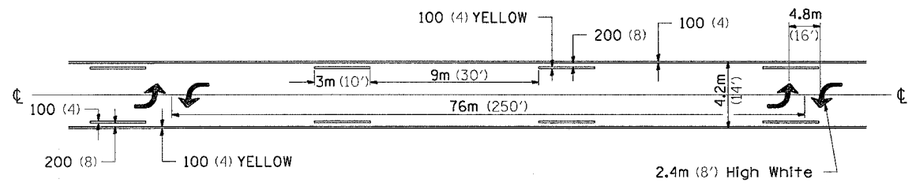
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	26
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

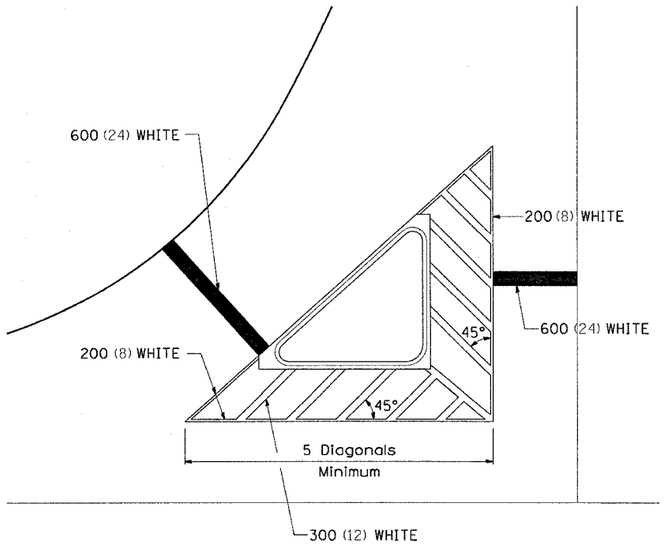
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE



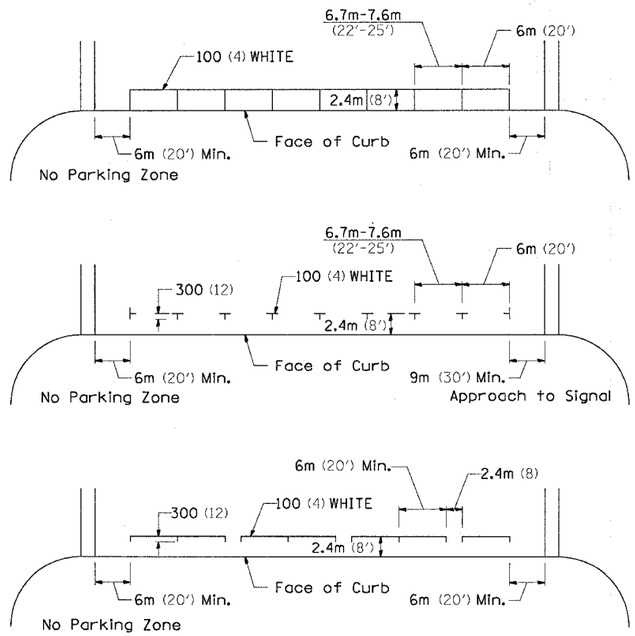
MEDIAN PAVEMENT MARKING

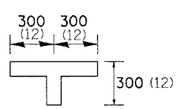


TYPICAL ISLAND OFFSET SHOULDER WIDTH



TYPICAL PARKING SPACING

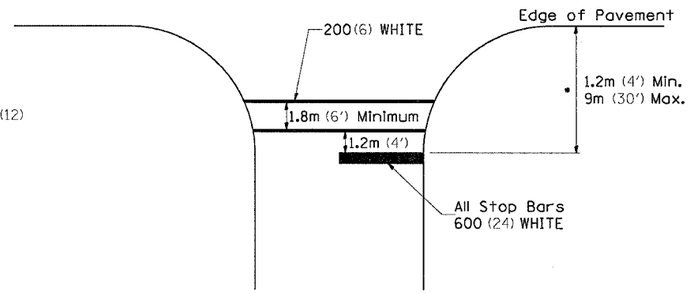




** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

STANDARD CROSSWALK MARKING

See Schedules for Locations



• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

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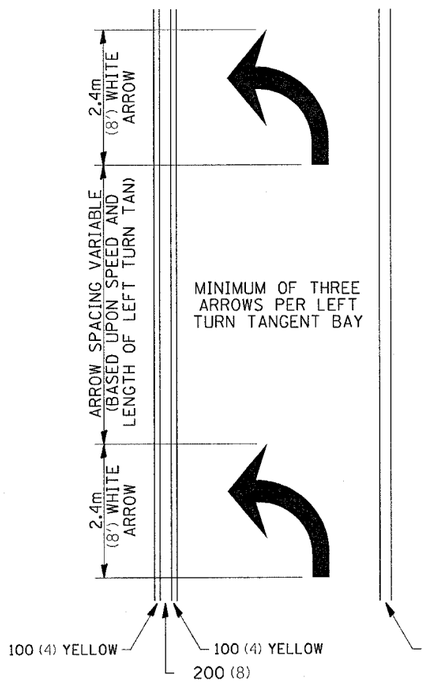
REVISED 7-20-06

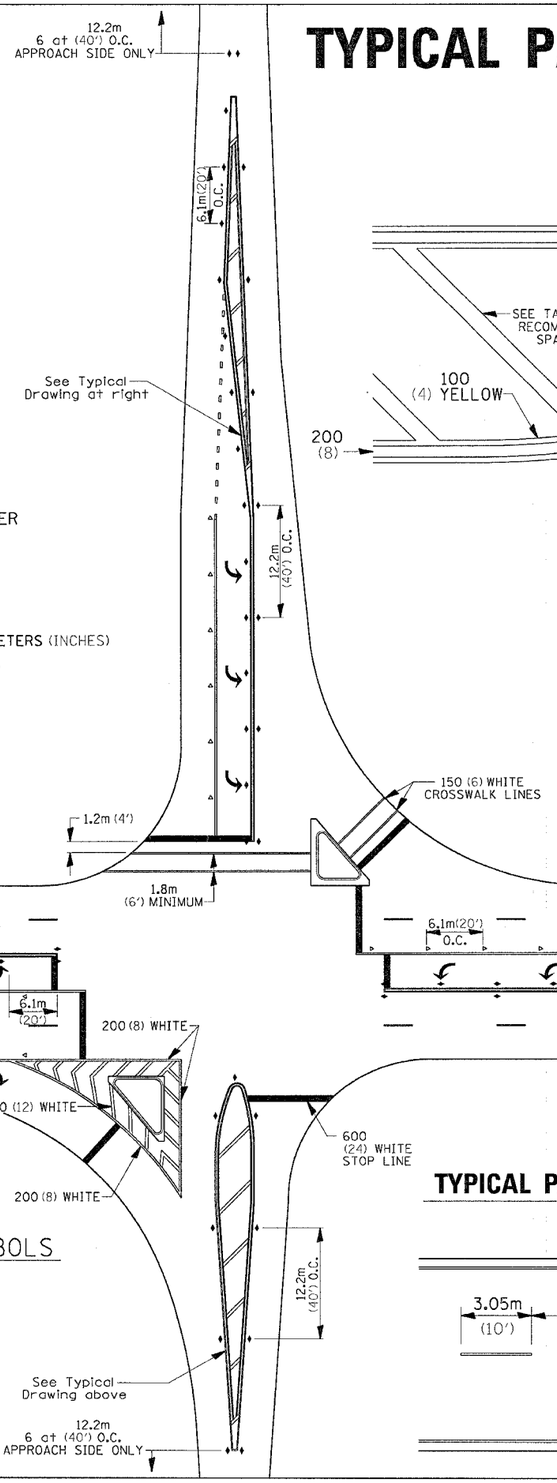
CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	27
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

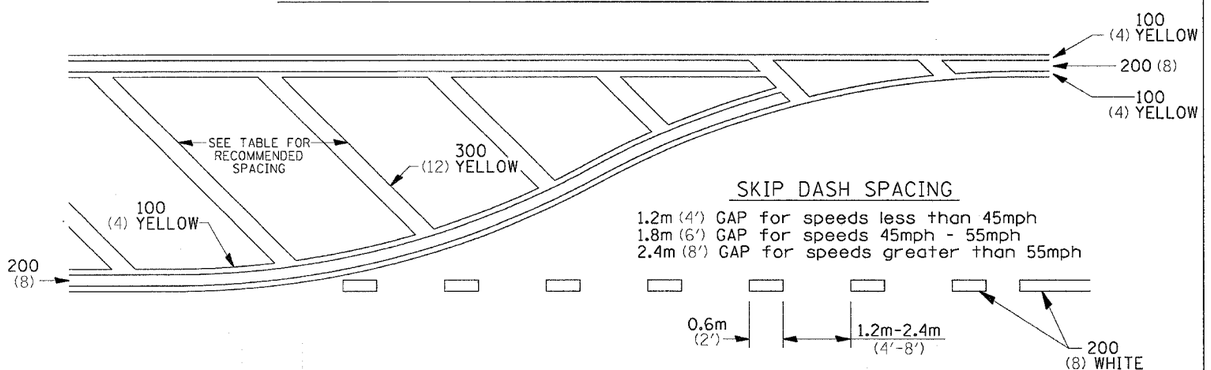




- * REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.
- ** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI-LANE / UNDIVIDED

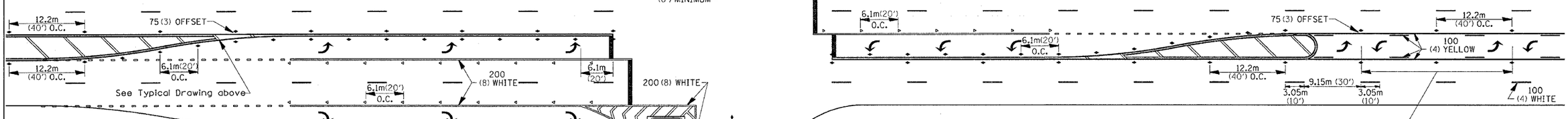
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



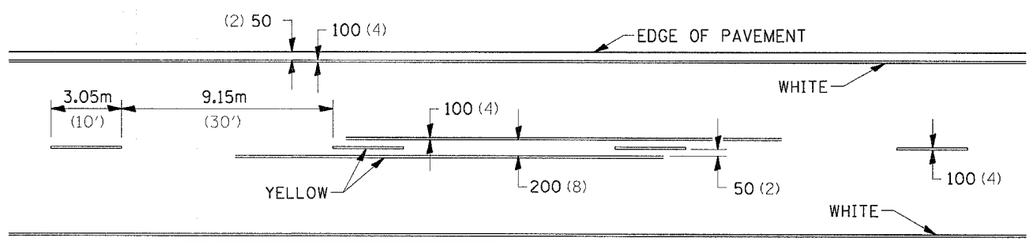
RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



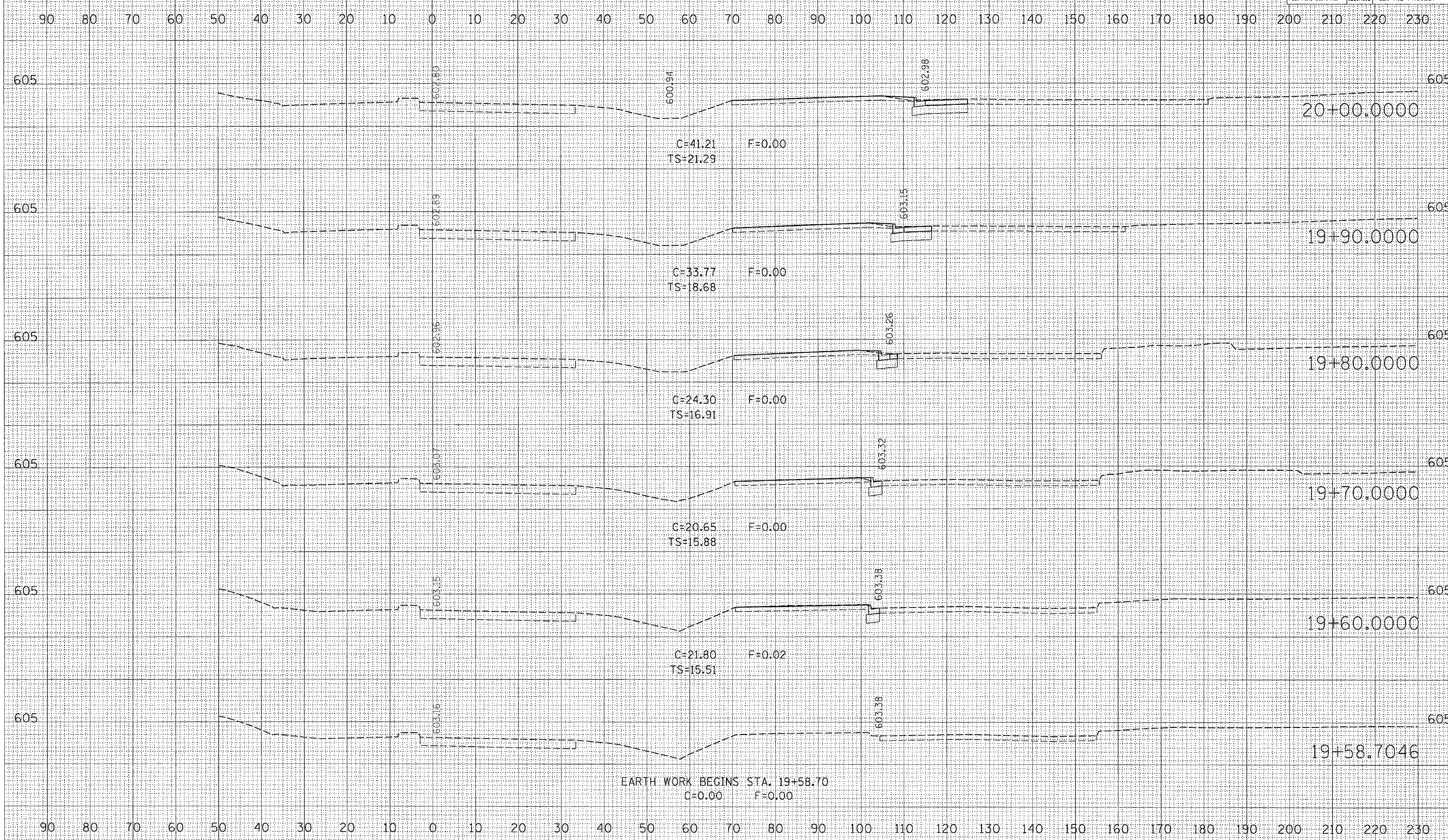
TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



REVISED 7-20-06

CONTRACT NO. 64C16

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	28
STA. 19+58.7046	TO STA. 20+00.0000			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

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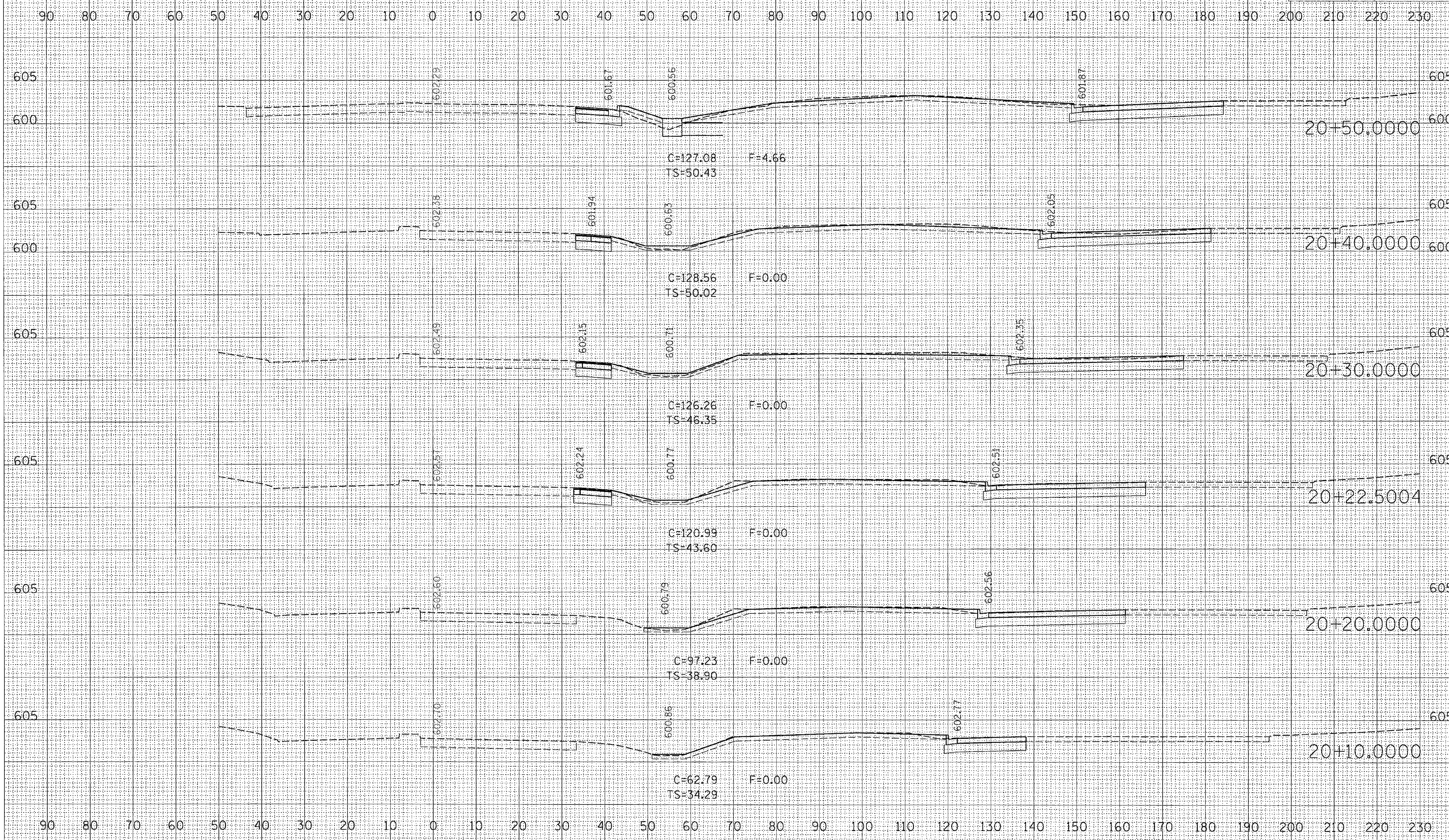
USER NAME = meglilj

CONTRACT NO. 64C16

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	29

STA. 20+10.0000 TO STA. 20+50.0000

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



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

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

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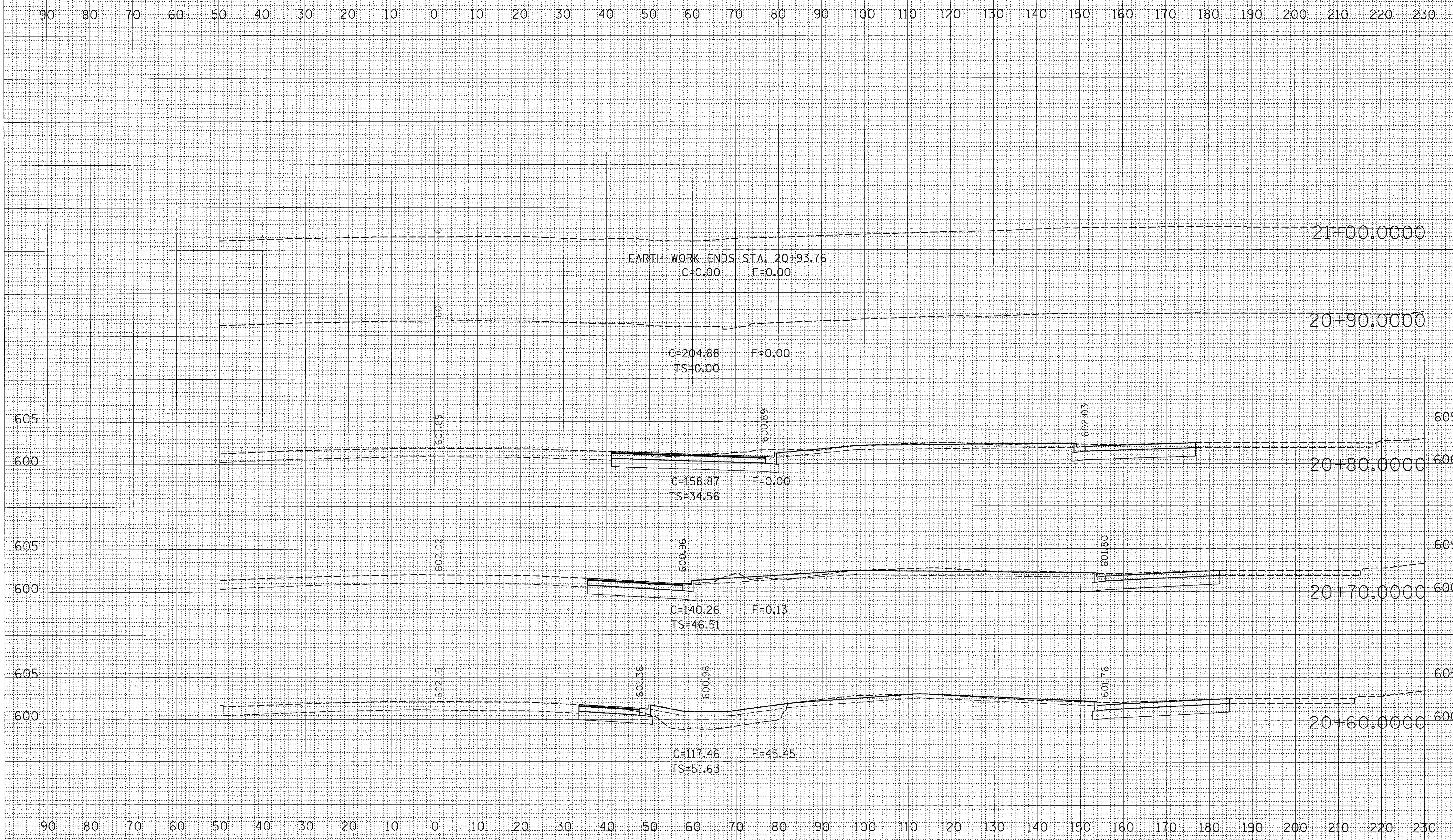
CONTRACT NO. 64C16

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(33&40)-1-FR	ROCK ISLAND	30	30
STA. 20+60.0000 TO STA. 21+00.0000				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

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