

68356

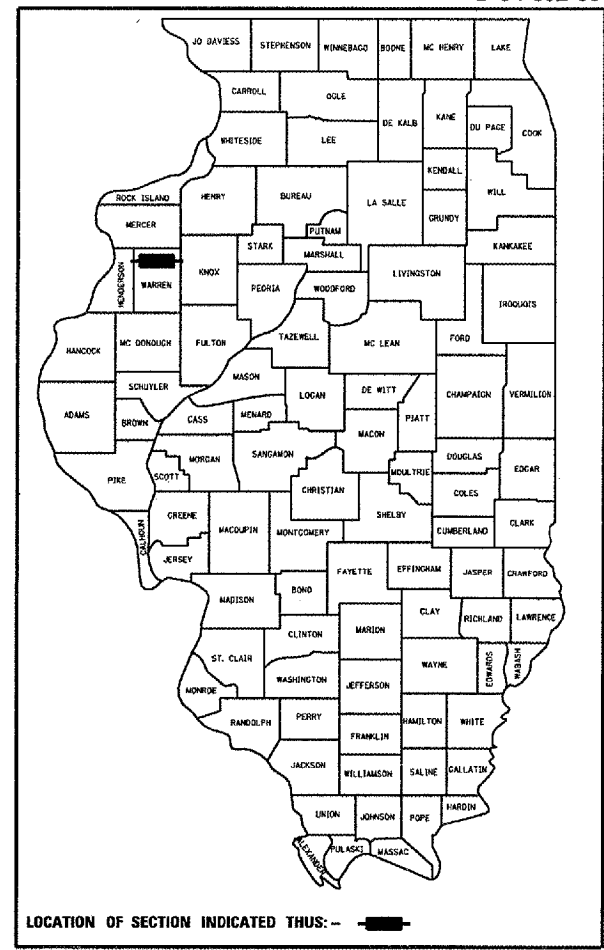
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN	80	1

D-94-052-03

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 313 (US 34)
SECTION 103N-1,TS
PROJECT HS-0313(044)
JOB NO. C-94-067-03
WARREN COUNTY



LOCATION OF SECTION INDICATED THUS: —■—

FOR INDEX OF SHEETS, SEE SHEET NO. 2

HIGHWAY STANDARDS

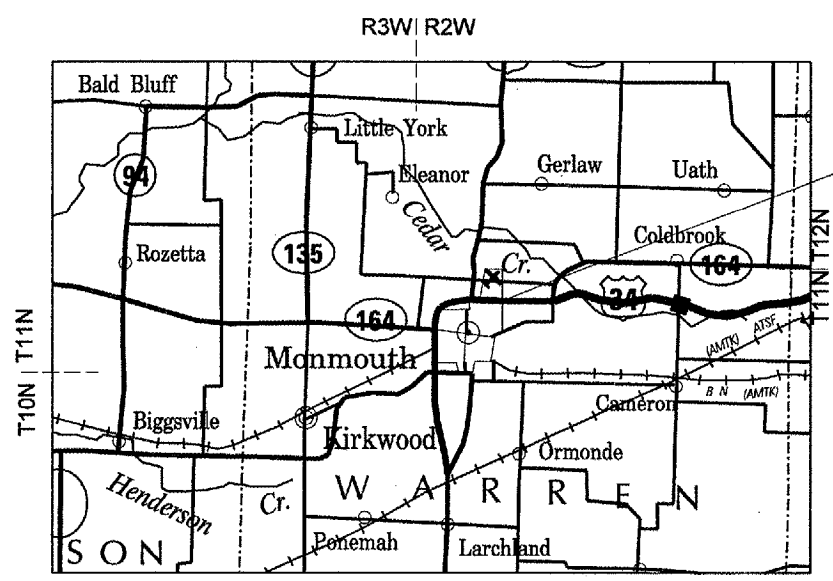
280001-02	606001-02	805001
285001-01	606301-02	814001
424001-04	701101-01	814006
482006-01	701106-01	857001
542526	701426-02	877001-02
542601	701601-04	877011-02
602401-01	701602-02	878001-04
602416	701701-04	880006
602601	702001-06	886001
602701-01	704001-02	886006
604001-02	780001-01	000001-04
604036-01	781001-02	873001

DESIGN DESIGNATION

FAP Route 313 (US34)
Other Principle Arterial
Truck Route Class 2
ADT = 10,100 (2003)
MU = 10%
SU = 4.5%

SURVEY BOOK NUMBER

2808 B



INTERSECTION OF
US 34 & 6TH ST.

QA/QC BITUMINOUS

1" = 3 MILES

DESCRIPTION

This project consists of various safety improvements at the intersection of US 34 @ 6th St. consisting of widening the radii in three quadrants, the addition of a right turn lane, signal modernization, drainage improvements and other various measures designed to improve pedestrian safety.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED FEB 10 20 06

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

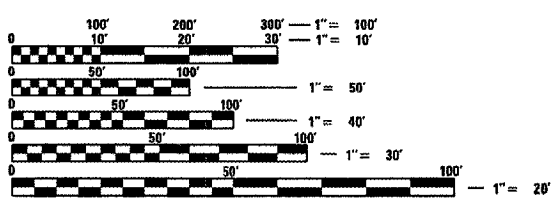
March 24 20 06
Mike [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 24 20 06
Milton R. Sees P.E. [Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

PROJECT ENGINEER - SEAN COYLE (309)671-3456

DESIGNER - RON NOLTE (309)671-3470



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

CATALOG NO. 032069-03D
CONTRACT NO. 68356

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		2
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	

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COMMITMENTS

Commitments are not to be altered without the written approval of all of the parties to which the commitment was made.

There are no commitments on this project.

JOB SPECIFIC NOTES

TRAFFIC SIGNALS -

Proposed traffic signals shall be installed and operable prior to the commencement of roadway construction. Staging Plans were not prepared for this contract. Although, if the project is staged accordingly, the Contractor may be permitted to perform roadway work concurrently with the installation of the traffic signals. This was reflected in the estimate of time. The Contractor should consider expediting all Mast Arms related processes to assure timely delivery.

TRAFFIC -

The Contractor shall notify the Engineer of Traffic, Mr. Randy Laninga, @ (309) 671-4477 to obtain approval for all mast arm and traffic signal post foundation locations prior to proceeding to installation. The Contractor shall be liable for all costs required to remove or relocate facilities that were constructed without obtaining location approval.

FARMLAND -

The Contractor shall notify Farmland, Inc. two weeks prior to the start of Construction.

PLOT DATE = 2/14/2008
 FILE NAME = c:\projects\warren\out2\msochset1.dgn
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = gndrum

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		INDEX OF SHEETS COMMITMENTS & JOB SPECIFIC NOTES

SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY: jw
 CHECKED BY: _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES

BITUMINOUS CONCRETE MIXTURE REQUIREMENTS

Mixture Use(s):	Bituminous Concrete Surface Course
RAP % (Max)**:	0%
AC/PG:	SBS PG 76-22
Design Air Voids:	4.2% @ N=90
Mixture Composition: (Gradation Mixture)	IL 9.5 or IL 12.5
Friction Aggregate	Mixture E

**If the RAP option is selected, the asphalt cement grade may need to be adjusted; this will be determined by the Engineer.

Mixture Use(s):	Leveling Binder, (MM)
RAP % (Max)**:	0%
AC/PG:	SBS PG 76-22
Design Air Voids:	4.0% @ N=50
Mixture Composition: (Gradation Mixture)	IL 4.75
Friction Aggregate	N.A.

**If the RAP option is selected, the asphalt cement grade may need to be adjusted; this will be determined by the Engineer.

Mixture Use(s):	Bituminous Shoulder (Surface Lift)
RAP % (Max)**:	15%
AC/PG:	PG 64-22
Design Air Voids:	4.2% @ N=50
Mixture Composition: (Gradation Mixture)	IL 9.5 or IL 12.5
Friction Aggregate	Mixture C

**If the RAP option is selected, the asphalt cement grade may need to be adjusted; this will be determined by the Engineer.

Mixture Use(s):	Bituminous Shoulder (Bottom Lift)
RAP % (Max)**:	25%
AC/PG:	PG 64-22
Design Air Voids:	4.2% @ N=50
Mixture Composition: (Gradation Mixture)	IL 19.0
Friction Aggregate	N.A.

**If the RAP option is selected, the asphalt cement grade may need to be adjusted; this will be determined by the Engineer.

ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS

The Contractor shall consult with the Engineer in regard to the exact length of the box/pipe culverts, storm sewers, and/or pipe drains required prior to ordering these items.

TRANSITION PAYMENT METHOD - NEW/OLD CONSTRUCTION

Three meter (3 m) (10 ft.) transitions shall be used to match proposed items of work to existing items in the field unless otherwise shown. The transition shall be paid for at the contract unit price for the proposed item of work specified.

ENGINEERS FIELD OFFICE

Add the following sentence to the end of paragraph 670.02 (i) and 670.04 (e):
All of the telephone lines provided shall have unpublished numbers.

SIGNING

Sign locations may vary from the stations shown on the plans in accordance with directions from the Engineer at the time of construction. Sign locations may be adjusted in the field to avoid any found utilities.
All wood post locations shall be verified with the Bureau of Operations, Traffic Section, before installation.

TRAFFIC SIGNALS, REMOVAL/RETURNED TO IDOT

All equipment removed under "Remove Existing Traffic Control Equipment" is to be returned to the Illinois Department of Transportation, District Four, Bureau of Operations, Traffic Operations Building, at 5826 North Knoxville Avenue, Peoria, Illinois.

REVISIONS	
NAME	DATE

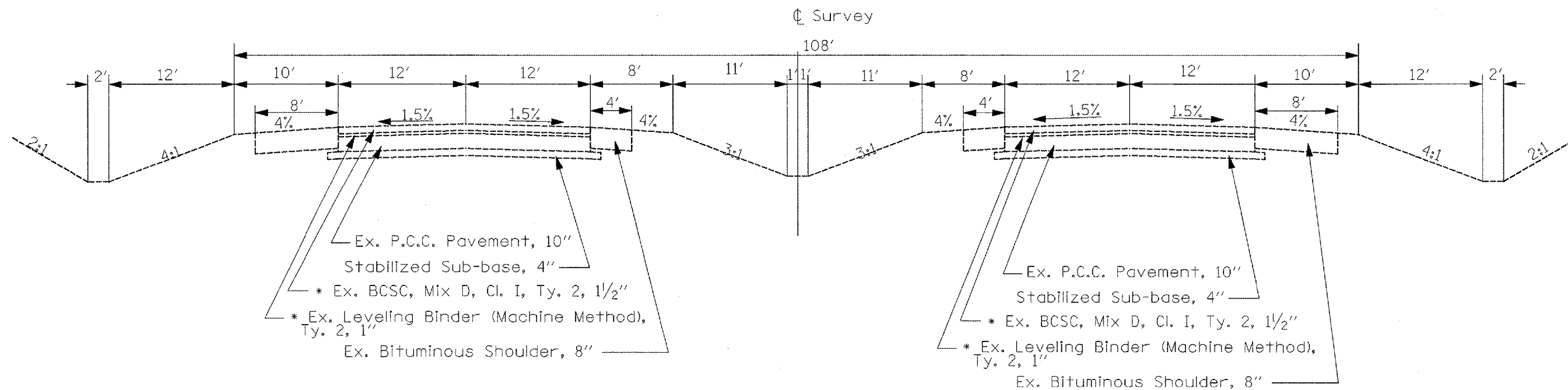
ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: VERT.
HORIZ.
DATE

DRAWN BY: jmw
CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		7
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



Ex. P.C.C. Pavement, 10"
 Stabilized Sub-base, 4"
 * Ex. BCSC, Mix D, Cl. I, Ty. 2, 1 1/2"
 * Ex. Leveling Binder (Machine Method), Ty. 2, 1"
 Ex. Bituminous Shoulder, 8"

Ex. P.C.C. Pavement, 10"
 Stabilized Sub-base, 4"
 * Ex. BCSC, Mix D, Cl. I, Ty. 2, 1 1/2"
 * Ex. Leveling Binder (Machine Method), Ty. 2, 1"
 Ex. Bituminous Shoulder, 8"

U.S. 34
 STA 412+00 TO STA 434+00

* Existing overlay depths may vary in this section.

PLOT DATE = 2/10/2006
 FILE NAME = I:\projects\68356\68356.dgn
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = russellm

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EXISTING
TYPICAL SECTIONS
U.S. 34 @ 6th

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

SUMMARY OF QUANTITIES

F. A. P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1, TS	WARREN		9
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ALLIANCE	FED. AID PROJECT		

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		FED - STATE 90 - 10 1000-1A	CITY 100% Y030-1E	SFTY - 3N IMPACT ATT. 90% FED 10% ST.	FED-STATE-CITY 90 - 5 - 5 Y031-1F	
20200100	EARTH EXCAVATION	CU YD	540	540				
20400800	FURNISHED EXCAVATION	CU YD	12	12				
20900110	POROUS GRANULAR BACKFILL	CU YD	23.7	23.7				
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	938.8	938.8				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2078	2078				
25000210	SEEDING, CLASS 2A	ACRE	0.4	0.4				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	26	26				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	26	26				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	26	26				
25100115	MULCH, METHOD 2	ACRE	0.4	0.4				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	129	129				
28000300	TEMPORARY DITCH CHECKS	EACH	7	7				
28000400	PERIMETER EROSION BARRIER	FOOT	800	800				
28000500	INLET AND PIPE PROTECTION	EACH	3	3				
28000510	INLET FILTERS	EACH	3	3				
28100105	STONE RIPRAP, CLASS A3	SQ YD	3.5	3.5				
28200200	FILTER FABRIC	SQ YD	3.5	3.5				
28500100	FABRIC FORMED CONCRETE REVETMENT MATS	SQ YD	8.1	8.1				
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	392	392				
31100700	SUB-BASE GRANULAR MATERIAL, TYPE A 8"	SQ YD	1018	1018				

*SPECIALTY ITEMS

SUMMARY OF QUANTITIES

P.A.P. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1, TS	WARREN		10
STA.		TO STA.		
FED. ROAD DIST. NO. #	ALIGNED	FED. AID PROJECT		

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		FED - STATE 90 - 10 1000-1A	CITY 100 Y030-1E	SFTY - 3N IMPACT ATT. 90% FED 10% ST	FED-STATE-CITY 90 - 5 - 5 Y031-1F	
35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SQ YD	695.7	695.7				
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING, 10"	SQ YD	243.1	243.1				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	1.3	1.3				
40600990	TEMPORARY RAMP	SQ YD	264.5	264.5				
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	97.3	97.3				
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	986.3	986.3				
44000008	BITUMINOUS SURFACE REMOVAL 2 1/2"	SQ YD	2003.3	2003.3				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	126.1	126.1				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	511	511				
44001430	BITUMINOUS SHOULDER REMOVAL	SQ YD	778.7	778.7				
44002800	ISLAND PAVEMENT REMOVAL	SQ YD	116.4	116.4				
48101200	AGGREGATE SHOULDERS, TYPE B	TON	50.7	50.7				
48202600	BITUMINOUS SHOULDERS SUPERPAVE 8"	SQ YD	304.3	304.3				
50102400	CONCRETE REMOVAL	CU YD	4.6	4.6				
54215979	REINFORCED CONCRETE PIPE ELBOW 24"	EACH	1	1				
54215985	REINFORCED CONCRETE PIPE ELBOW 30"	EACH	1	1				
54246205	INLET BOX, STANDARD 542526	EACH	1	1				
54248515	CONCRETE COLLAR	EACH	4	4				
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	26	26				

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-LTS	WARREN		11
STA.		TO STA.		
FED. ROAD DIST. NO. 4		BLINDS	FED. AID PROJECT	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		FED - STATE 90 - 10 1000-1A	CITY 100 Y030-1E	SFTY - 3N IMPACT ATT. 90% FED 10% ST	FED-STATE-CITY 90 - 5 - 5 Y031-1F
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	106	106			
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	34	34			
55101200	STORM SEWER REMOVAL 24"	FOOT	9	9			
55101400	STORM SEWER REMOVAL 30"	FOOT	54.3	54.3			
60219000	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 8 GRATE	EACH	1	1			
60221100	MANHOLES, TYPE A, 5' -DIAMETER, 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	518	518			
60610800	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (SPECIAL)	FOOT	75	75			
60625600	ISLAND PAVEMENT (6")	SQ YD	69.6	69.6			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4			
67100100	MOBILIZATION	L SUM	1	1			
70100330	TRAFFIC CONTROL AND PROTECTION, STANDARD 701426	L SUM	1	1			
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1			
70102632	TRAFFIC CONTROL & PROTECTION, STANDARD 701602	L SUM	1	1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

F. & P. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,7S	WARREN		12
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ALWAYS	FED. AID PROJECT		

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		FED - STATE 90 - 10 1000-1A	CITY 100 Y030-1E	SFTY - 3N IMPACT ATT. 90% FED 10% ST.	FED-STATE-CITY 90 - 5 - 5 Y031-1F	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15	15				
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	160	160				
70300200	TEMPORARY PAVEMENT MARKING	FOOT	2867	2867				
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	299	299				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	53.3	53.3				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	400	400				
* 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	299	299				
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	826	826				
* 78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	2138	2138				
* 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	530.2	530.2				
* 78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	153.3	153.3				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	61	61				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	35	35				
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	230				230	
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	114				114	
81012900	CONDUIT IN TRENCH, 3 1/2" DIA., PVC	FOOT	109				109	
81021360	CONDUIT PUSHED, 3 1/2" DIA., PVC	FOOT	313				313	
81400400	CONCRETE HANDHOLE	EACH	3				3	
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	497				497	

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

F. A. P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1TS	WARREN		13
STA.		TO STA.		
FED. ROAD DIST. NO. 4		BLDG	FED. AID PROJECT	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		FED - STATE 90 - 10 1000-1A	CITY 100 Y030-1E	SFTY - 3N IMPACT ATT. 90% FED 10% ST.	FED-STATE-CITY 90 - 5 - 5 Y031-1F
* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	802				802
* 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2		2		
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	4				4
* 85700505	FULL-ACTUATED CONTROLLER IN EXISTING CABINET, SPECIAL	EACH	1				1
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	535.5				535.5
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3843				3843
87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 15 FT.	EACH	1				1
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1				1
87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1				1
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	2				2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3				3
87800415	CONCRETE FOUNDATION, TYPE E, 36 - INCH DIAMETER	FOOT	50				50
87900200	DRILL EXISTING HANDHOLE	EACH	5				5
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10				10
88800100	PEDESTRIAN PUSH-BUTTON	EACH	2				2

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

P.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		14
STA.		TO STA.		
FED. ROAD DIST. NO. 1		B.L.M.D.	FED. AID PROJECT	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		FED - STATE 90 - 10 1000-1A	CITY 100 Y030-1E	SFTY - 3N IMPACT ATT. 90XFED 10XST	FED-STATE-CITY 90 - 5 - 5 Y031-1F
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1				1
89502380	REMOVE EXISTING HANDHOLE	EACH	8				8
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4				4
X0323426	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	3	3			
X0323481	VIDEO VEHICLE DETECTION, 4 CAMERAS	EACH	1				1
X0324134	BATTERY BACKUP SYSTEM WITH CABINET	EACH	1				1
X4066538	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX"E", N90	TON	256	256			
X4067100	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	TON	165	165			
X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	4	4			
* X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	636.5				636.5
* X8800020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10				10
* X8800035	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6				6
* X8810610	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2				2
* XX002094	REMOVE AND REINSTALL FIBER OPTIC CABLE IN CONDUIT	L SUM	1				1
XX003503	FLARED END SECTION REMOVAL	EACH	2	2			
XX005611	ADJUSTING MANHOLE FRAME, COVER AND RINGS	EACH	2	2			

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

F. A. N. NO.	SECTION	COUNTY	TRAIL SHEETS	SHEET NO.
313	103N-1,TS			15
STA.		TO STA.		
FED. ROAD DIST. NO. 4	BLINDS	FED. AID PROJECT		

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		FED - STATE 90 - 10 1000-1A	CITY 100 Y030-1E	SFTY - 3N IMPACT ATT. 90% FED 10% ST	FED-STATE-CITY 90 - 5 - 5 Y031-1F
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	EACH	1			1	
X0325295	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24 (SPECIAL)	FOOT	77	77			
X0325296	INLET-MANHOLE, TYPE G-1, 8' -DIAMETER, SPECIAL	EACH	1	1			

* SPECIALTY ITEMS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		19
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

67000400 - ENGINEER'S FIELD OFFICE, TYPE A	
LOCATION	CAL MO
JOBSITE	4
TOTAL	4

XX005611 - ADJUSTING MANHOLE FRAME, COVER AND RINGS	
LOCATION	EACH
6TH STREET	
LT. STA. 8+89.9	1
LT. STA. 11+08.2	1
TOTAL	2

67100100 - MOBILIZATION	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

X7015000 - CHANGEABLE MESSAGE SIGN	
LOCATION	CAL MO
JOBSITE	4
TOTAL	4

*3 SIGNS FOR 4 MONTHS

Z0013798 - CONSTRUCTION LAYOUT	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

TRAFFIC CONTROL ITEMS			
70100330	TRAFFIC CONTROL AND PROTECTION, STANDARD 701426	1	L SUM
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	1	L SUM
7012632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	1	L SUM
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	1	L SUM
70103815	TRAFFIC CONTROL SURVEILLANCE	15	CAL DA

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center">SCHEDULE OF QUANTITIES PROPOSED ITEMS</p> <p>SCALE: VERT. _____ HORIZ. _____</p> <p>DATE _____ DRAWN BY _____ CHECKED BY _____</p>

PLOT DATE = 2/10/2006
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 USER NAME = wagner.jp

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		20
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

COMBINATION CONCRETE CURB AND GUTTER		
LOCATION	#4001666- TYPE M-4.24 (SPECIAL)	60610800 - TYPE M-6.24 (SPECIAL)
	FOOT	FOOT
U.S. 34/6TH ST.-RADIUS		
(SW QUAD) RT. STA. 425+60.6 - LT. STA. (NW QUAD) LT. STA. 425+82 - LT. STA. (NE QUAD) RT. STA. 428+16 - RT. STA.		
6TH STREET-ISLANDS		
LT. STA. 9+27.26 TO 9+51.74 (SW QUAD)		74.5
LT. STA. 10+53 TO 10+84.5 (NW QUAD)	76.5	

PAVING SCHEDULE

LOCATION	35400500 - PCC BASE COURSE WIDENING, 10'	35300500 - PCC BASE COURSE, 10'	21001000 - GEO. TECH. FABRIC	42300300 - P.C.C. DRIVEWAY PAV'T, 7'	31100300 - SUB-BASE GRANULAR MATERIAL TYPE A 4'	31100700 - SUB-BASE GRANULAR MATERIAL TYPE A 8'	48101200 - AGGREGATE SHOULDER, TYPE B	48202600 - BITUMINOUS SHOULDERS, SUPER., 8'	40600200 - BITUMINOUS MATERIALS (PRIME COAT)			X4067100 - POLY. LEV. BINDER (MM), SUPER., IL-4.75, N50	X4066538- POLY. BIT. CONC. SURF. CSE. SUPERPAVE MIX "E", N90, (1 1/2")
	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	SQ YD	SQ YD	TON	SQ YD	PCC TON	MILL TON	BINDER TON	TON	TON
US 34													
LT. STA. 425+39 - 425+87						33.4		33.4					
RT. STA. 425+39 - 425+82						45.8		45.8					
STA. 426+30.1 TO 426+59.1		88.8	88.8			88.8			0.02		0.01	5.0	7.7
LT. STA. 428+16 TO 432+16					225.13		50.7	225.1					
STA. 12+58 - 432+16		606.9	606.9			606.9			0.12		0.07	34.0	52.8
6TH STREET													
LT. AND RT. STA. 8+53.8 TO 9+56 (MAINLINE E.O.P.)										0.38	0.11	53.6	83.3
LT. AND RT. STA. 11+64.2 (MAINLINE E.O.P.) TO 10+44.2										0.42	0.13	58.5	90.9
LT. STA. 8+69.8 - STA. 425+03.9	148.0		148.0			148.0			0.03		0.02	8.3	12.9
STA. 425+39.7 - RT. STA. 11+64.2	95.2		95.2			95.2			0.02		0.01	5.3	8.3
SW ISLAND					33.54								
NW ISLAND					36.01								
RT. STA. 12+09				97.3	97.31								
SUB-TOTAL									0.19	0.80	0.35		
TOTAL	243.1	695.7	938.8	97.3	392.0	1018.0	51	304.3		1.3		165	256

NOTE: A UNIT OF 116 LBS PER SQ. YD. WAS USED FOR SURFACE MIX "E" CALCULATIONS AND 112 LBS PER SQ. YD. USED FOR ALL OTHER MIXES.

42400100 - PORTLAND CEMENT CONCRETE SIDEWALK 4"

LOCATION	SQ FT
6TH STREET	
LT. STA. 7+29.4 TO 9+22.0	567.8
LT. STA. 10+84.0 TO 11+36	418.5
TOTAL	986.3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES PROPOSED ITEMS

SCALE: VERT. HORIZ. DATE

DRAWN BY CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		21
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

US 34 & 6TH STREET

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL FURNISH & PLACE 4"
	CU YD	CU YD	CU YD	CU YD	SQ YD
NW QUADRANT STA. 11+77.87 TO STA. 425+50	79	59.3	71	-11.8	277
SW QUADRANT STA. 425+04.66 TO 8+51.07	66	49.5	168	-118.5	523
NE QUADRANT 11+93.72 TO 432+50	395	296.3	178	118.3	1278
TOTAL	540	405	417	-12	2078

28000400 - PERIMETER EROSION BARRIER

LOCATION	FOOT
6TH ST.	
NW QUADRANT	200
SW QUADRANT	200
NE QUADRANT	400
TOTAL	800

28000300 - TEMPORARY DITCH CHECKS

LOCATION	EACH
US 34/ 6TH STREET	
RT. STA. 425+12.1	1
LT. STA. 428+10.6	1
LT. STA. 425+54.7	1
LT. STA. 430+06.1	1
6TH ST.	
LT. STA. 9+11.7	1
LT. STA. 11+19.1	1
RT. STA. 11+20	1
TOTAL	7

SEEDING SCHEDULE

LOCATION	SEEDING CLASS 2A	MULCH METHOD 2	NITROGEN FERTILIZER NUTIRENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	TEMPORARY EROSION CONTROL SEEDING
	ACRE	ACRE	POUND	POUND	POUND	POUND
NW QUADRANT STA. 11+77.87 TO STA. 425+50	0.06	0.06	3.43	3.43	3.43	17.17
SW QUADRANT STA. 425+04.66 TO 8+51.07	0.11	0.11	6.48	6.48	6.48	32.42
NE QUADRANT 11+93.72 TO 432+50	0.26	0.26	15.84	15.84	15.84	79.21
TOTAL	0.4	0.4	26	26	26	129

28000510 - INLET FILTERS

LOCATION	EACH
6TH ST.	
LT. STA. 7+53.63	1
LT. STA. 8+88.37	1
LT. STA. 11+03.58	1
TOTAL	3

LOCATION	28100105 - STONE RIPRAP, CLASS A3	28200200 - FILTER FABRIC FOR USE WITH RIPRAP
	SQ YD	SQ YD
6TH STREET		
45' LT. STA. 11+25.69 - 54.8' LT. STA. 11+27.5	3.5	3.5
TOTAL	3.5	3.5

28000500 - INLET AND PIPE PROTECTION

LOCATION	EACH
6TH ST.	
LT. STA. 7+53.63	1
LT. STA. 8+88.37	1
LT. STA. 11+03.58	1
TOTAL	3

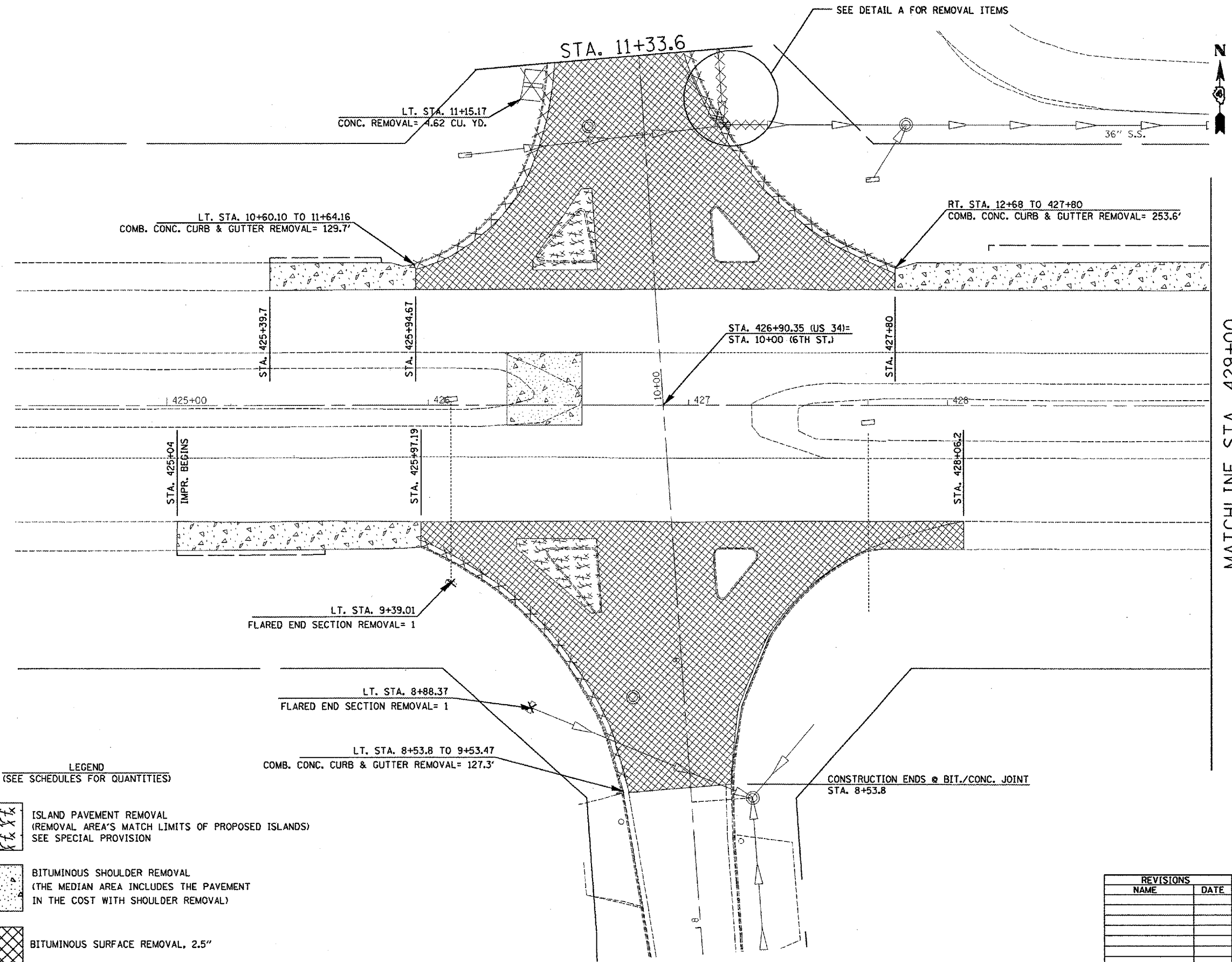
X0323426 - SEDIMENT CONTROL, INLET FILTER CLEANING

LOCATION	EACH
6TH ST.	
LT. STA. 7+53.63	1
LT. STA. 8+88.37	1
LT. STA. 11+03.58	1
TOTAL	3

REVISIONS	
NAME	DATE

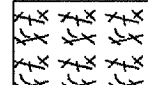


ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES EARTHWORK & EROSION CONTROL
 SCALE: VERT. DATE: HORIZ. DATE: DRAWN BY: CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		22
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



MATCHLINE STA. 429+00

LEGEND
(SEE SCHEDULES FOR QUANTITIES)

-  ISLAND PAVEMENT REMOVAL
(REMOVAL AREA'S MATCH LIMITS OF PROPOSED ISLANDS)
SEE SPECIAL PROVISION
-  BITUMINOUS SHOULDER REMOVAL
(THE MEDIAN AREA INCLUDES THE PAVEMENT
IN THE COST WITH SHOULDER REMOVAL)
-  BITUMINOUS SURFACE REMOVAL, 2.5"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**REMOVAL ITEMS
US 34 & 6TH ST.**

SCALE: VERT. 1" = 20 scale
HORIZ. DATE

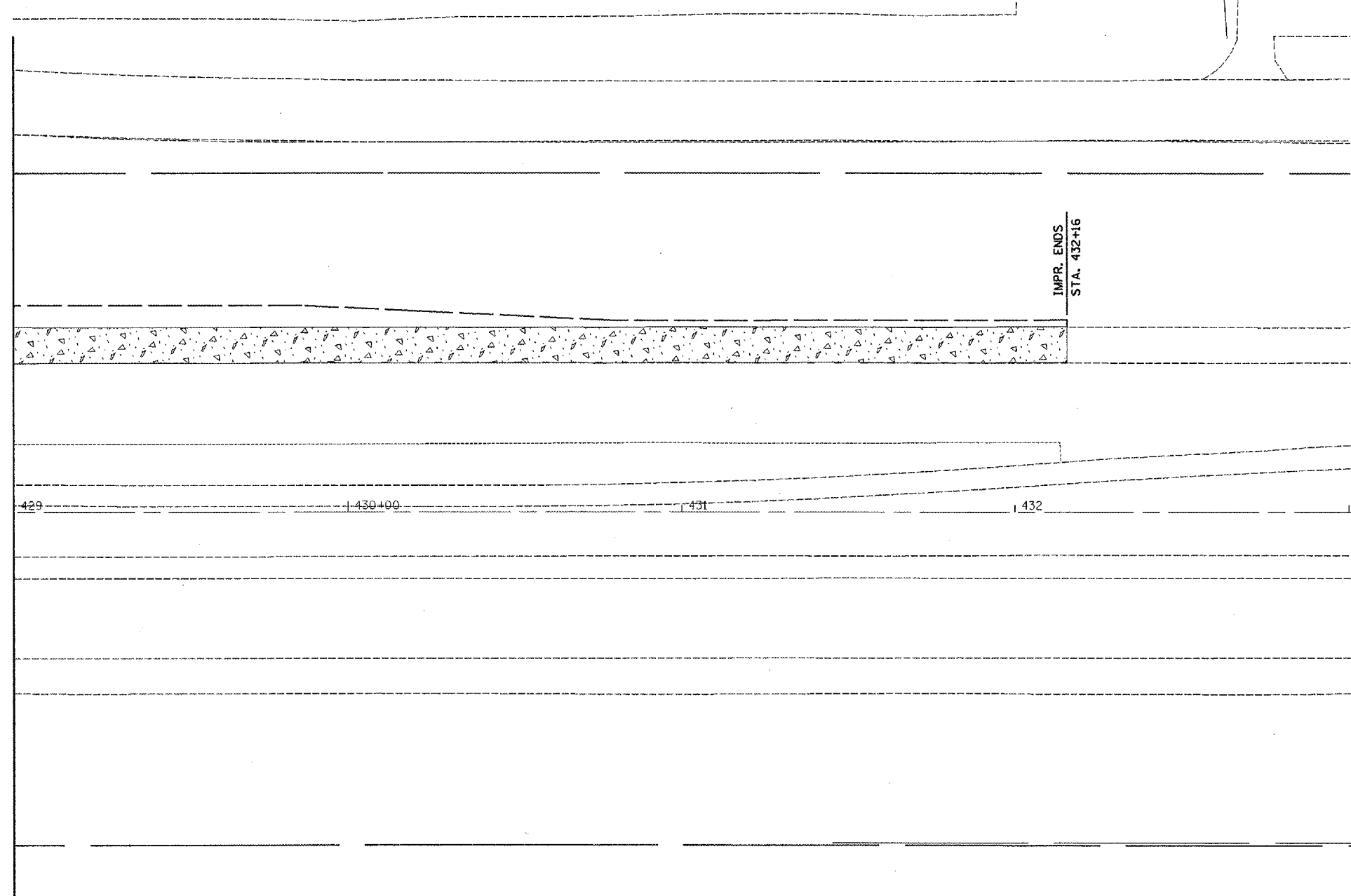
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CHECKED BY

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 USER NAME = russellm


CONTRACT NO. 68356				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		23
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



MATCHLINE STA. 429+00



LEGEND
(SEE SCHEDULES FOR QUANTITIES)

 BITUMINOUS SHOULDER REMOVAL
(THE MEDIAN AREA INCLUDES THE PAVEMENT
IN THE COST WITH SHOULDER REMOVAL)

REVISIONS	
NAME	DATE

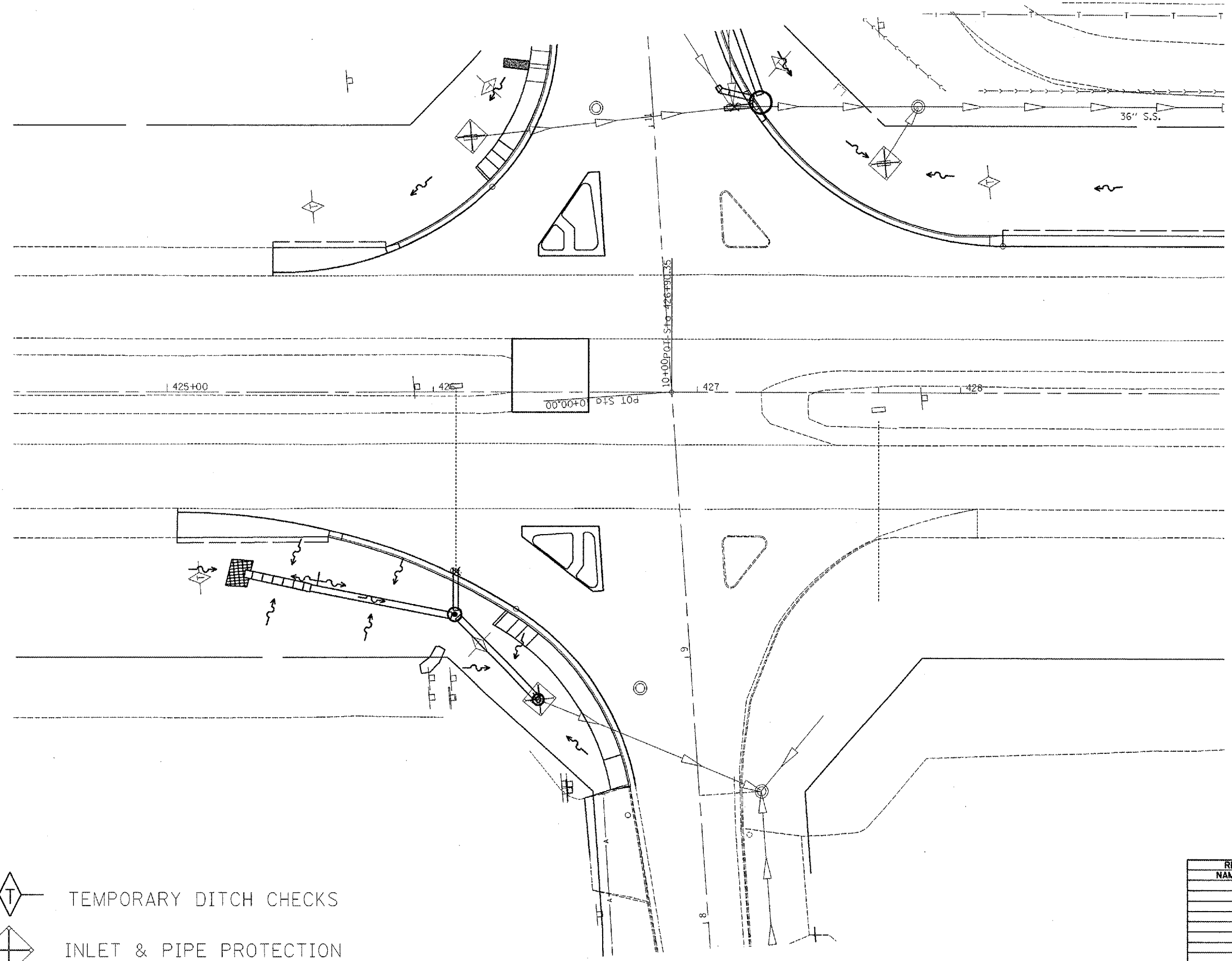
ILLINOIS DEPARTMENT OF TRANSPORTATION

**REMOVAL ITEMS
US 34 & 6th STREET**


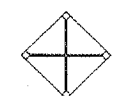
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CHECKED BY

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CONTRACT NO. 68356				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		25
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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-  TEMPORARY DITCH CHECKS
-  INLET & PIPE PROTECTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PROPOSED DRAINAGE/
EROSION CONTROL**

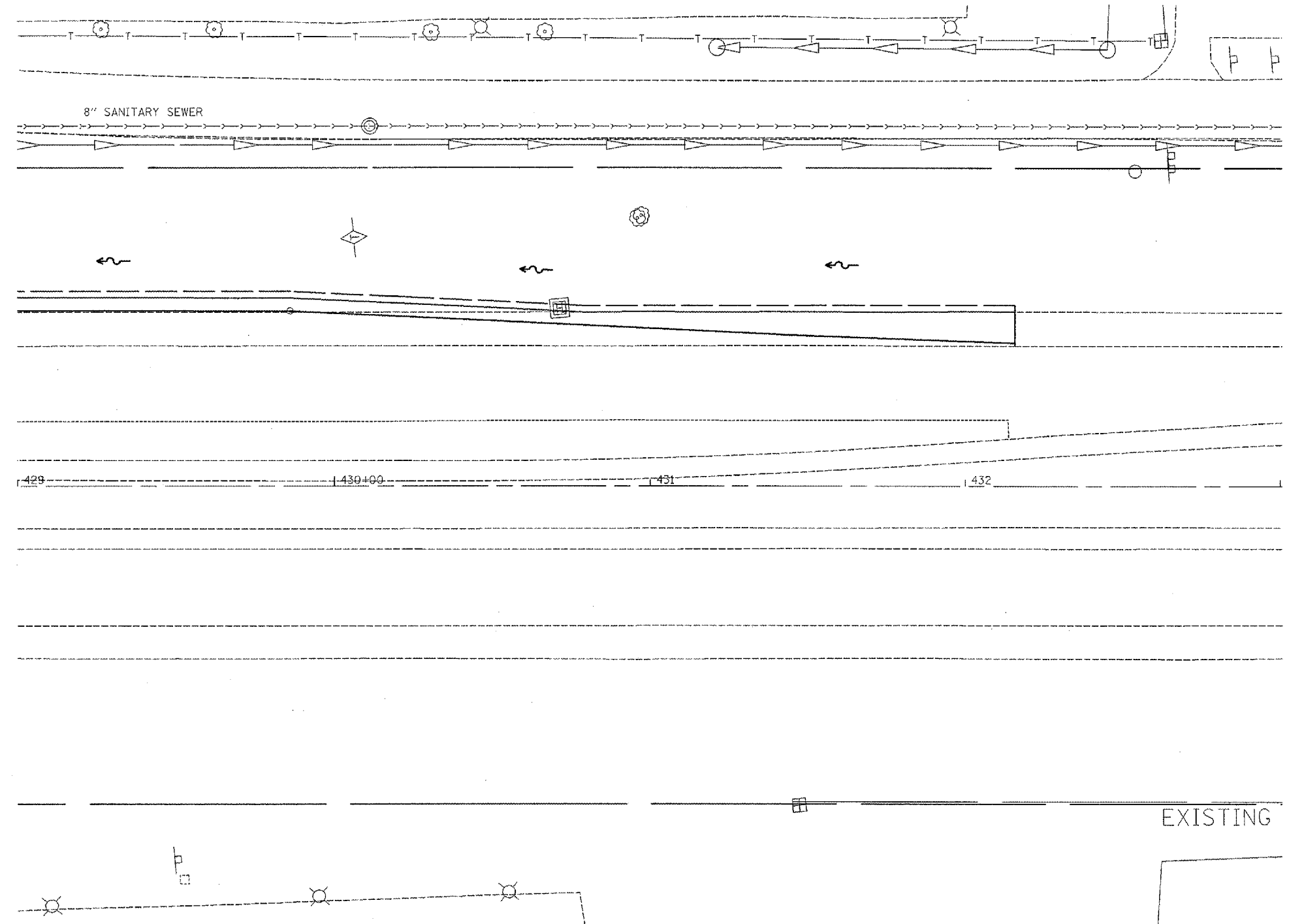
INTERSECTION OF US 34 & 6TH ST.


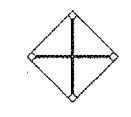
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HORIZ. _____

DATE _____

DRAWN BY _____
CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		26
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



-  TEMPORARY DITCH CHECKS
-  INLET & PIPE PROTECTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**PROPOSED DRAINAGE/
 EROSION CONTROL**
 US 34

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

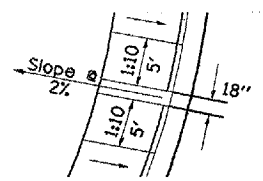
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		27
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

CURB-CUT DETAIL

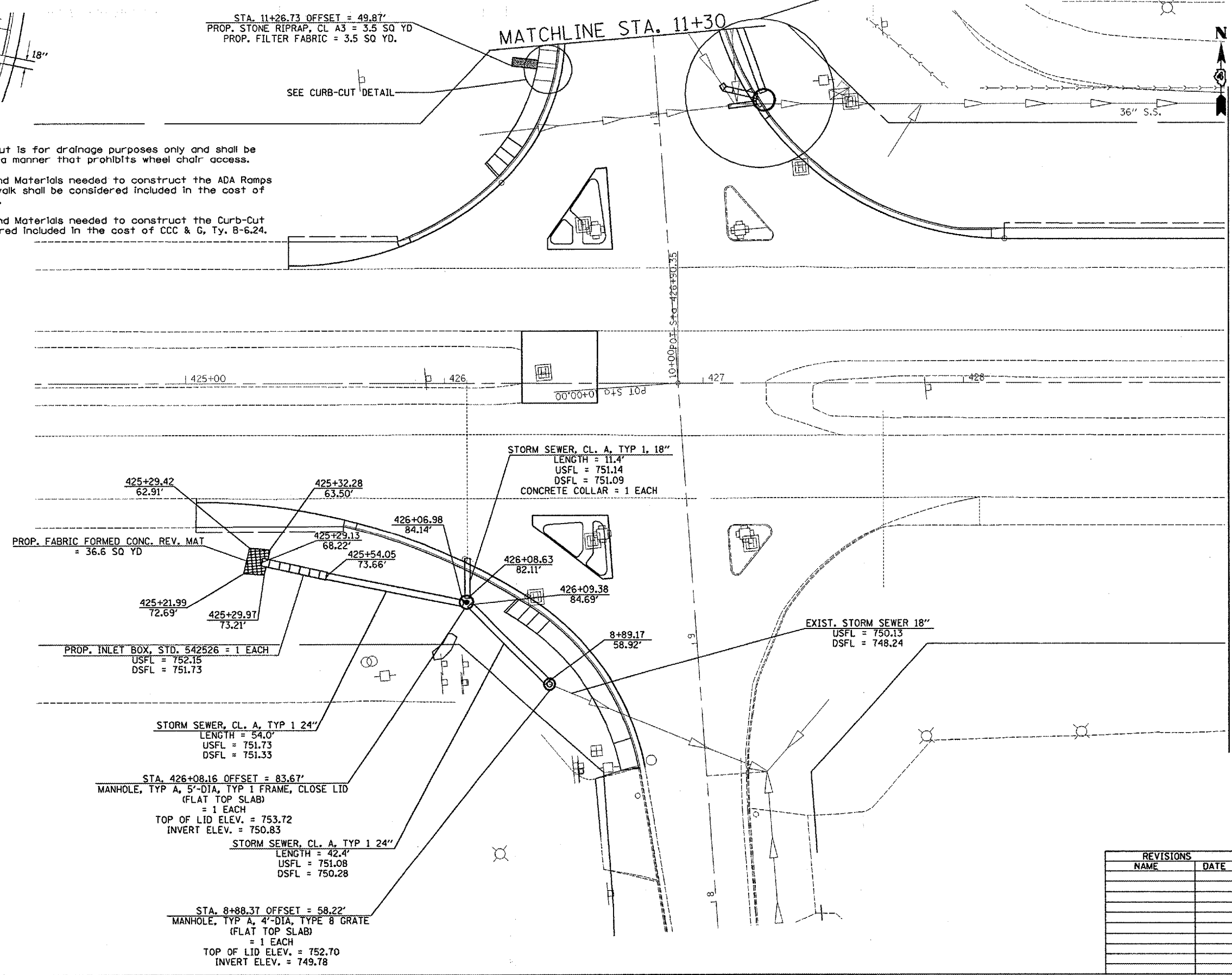
SEE DETAIL A ON DRAINAGE SHEET FOR 6TH ST.

STA. 11+26.73 OFFSET = 49.87'
 PROP. STONE RIPRAP, CL A3 = 3.5 SQ YD
 PROP. FILTER FABRIC = 3.5 SQ YD.



NOTES

1. This Curb-Cut is for drainage purposes only and shall be constructed in a manner that prohibits wheel chair access.
2. All Labor and Materials needed to construct the ADA Ramps within the sidewalk shall be considered included in the cost of PCC Sidewalk, 4".
3. All Labor and Materials needed to construct the Curb-Cut shall be considered included in the cost of CCC & G, Ty. B-6.24.



MATCHLINE STA. 429+00

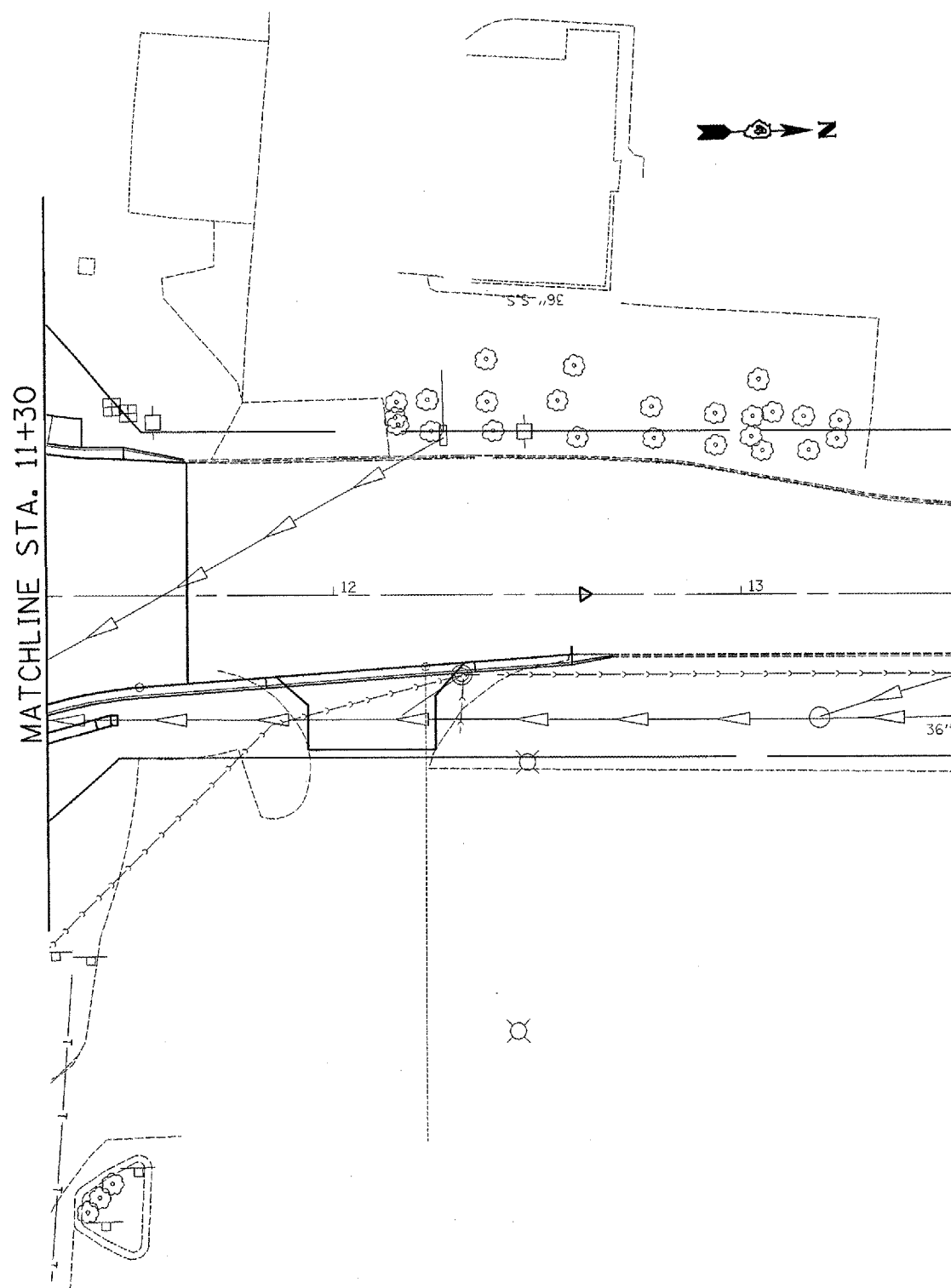
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED DRAINAGE DETAIL
INTERSECTION OF US 34 & 6TH ST.
 SCALE: VERT. 1" = 20' scale
 HORIZ. 1" = 20' scale
 DATE _____ DRAWN BY jaw
 CHECKED BY _____

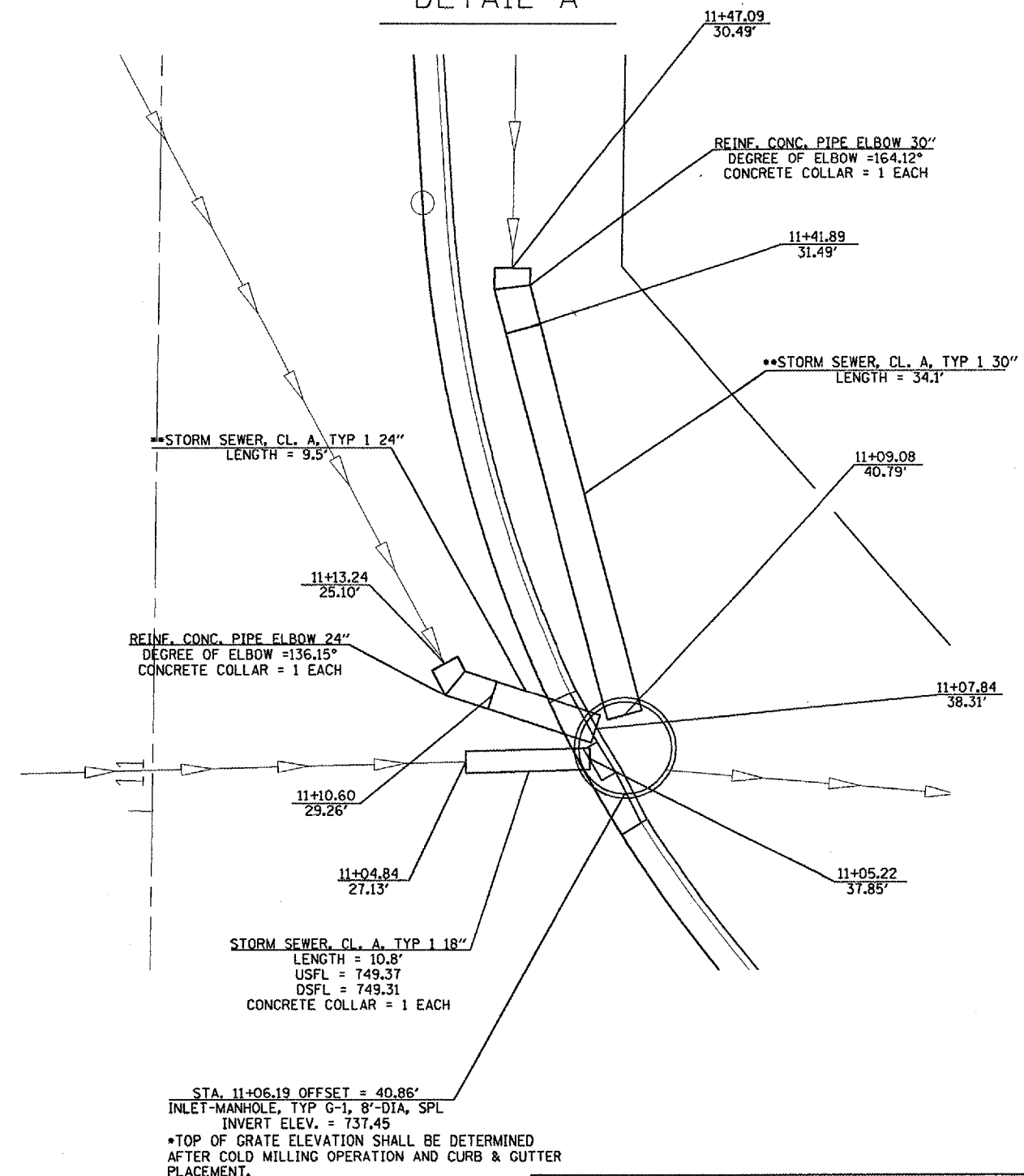
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		28
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

DUE TO THE LACK OF SURVEY INFORMATION EXACT ELEVATIONS CANNOT BE DETERMINED. THE ELEVATION THE USFL OF THE 30" OUT GOING PIPE IS 738.45, AND IS THE CONTROLLING FACTOR FOR THE 8' INLET-MANHOLE. THE INVERT OF THE MANHOLE WAS DETERMINED BY ADDING 1 FOOT OF DEPTH TO THE EXISTING ELEVATION. CONCRETE MAY BE ADDED TO THE BOTTOM OF THE MANHOLE TO OBTAIN THE APPROPRIATE INVERT FLOWLINE.



DETAIL A



**FLOWLINE ELEVATIONS ARE TO BE DETERMINED IN THE FIELD.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED DRAINAGE DETAIL
6TH ST.

SCALE: VERT. 1" = 20' scale
HORIZ. 1" = 20' scale
DRAWN BY jaw
CHECKED BY

PLOT DATE = 2/18/2006
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USER NAME = russellm

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1.TS	WARREN		29
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

PROPOSED ISLANDS

NW QUADRANT
 COMB. C.C. & G. TYPE M 4.24 (SPECIAL) = 76.5'
 (SEE SPECIAL PROVISION)
 ISLAND PAVEMENT, 6" = 36 SQ. YD.
 SUB-BASE GRAN. MATERIAL, 4" = 36 SQ. YD.
 POROUS GRANULAR BACKFILL = 12.3 CU. YD.
 (SEE SPECIAL PROVISIONS)



SW QUADRANT
 COMB. C.C. & G. TYPE M 6.24 (SPECIAL) = 74.5'
 (SEE SPECIAL PROVISION)
 ISLAND PAVEMENT, 6" = 33.5 SQ. YD.
 SUB-BASE GRAN. MATERIAL, 4" = 33.5 SQ. YD.
 POROUS GRANULAR BACKFILL = 11.4 CU. YD.
 (SEE SPECIAL PROVISIONS)

LT. STA. 11+08.2
 * ADJUSTING MANHOLE FRAME, COVER AND RINGS = 1 EACH

LT. STA. 10+84 TO 11+38
 PCC SIDEWALK 4" = 418.5 SQ. FT.
 CONSTRUCTION OF ADA RAMP SHALL BE INCLUDED IN COST.

RT. STA. 428+16 TO 12+68.3
 COMB. C.C. & G. TYPE B-6.24 = 225.7'
 SEE SPECIAL PROVISION

LT. STA. 425+82 TO 11+64.2
 COMB. C.C. & G. TYPE B-6.24 = 135.1'
 SEE SPECIAL PROVISION

CURB HEIGHT TRANSITION FROM 6" TO 0" OVER 5'-0"

CURB HEIGHT TRANSITION FROM 6" TO 0" OVER 5'-0"

LT. STA. 425+39 TO 425+87
 SUB-BASE GRAN. MTL. TYPE A 8" = 33.4 SQ. YD.
 BIT. SHOULDERS SUPERPAVE 8" = 33.4 SQ. YD.
 AGG. SHOULDERS, TYPE B

STA. 426+90.35 (US 34) = STA. 10+00 (6TH ST.)

LT. STA. 428+16 TO 432+16
 SUB-BASE GRAN. MTL. TYPE A 4" = 225.1 SQ. YD. (SEE SPECIAL PROVISION)
 BIT. SHOULDERS SUPERPAVE 8" = 225.1 SQ. YD.
 AGG. SHOULDERS, TYPE B = 30.7 TONS

RT. STA. 425+39 TO 425+82
 SUB-BASE GRAN. MTL. TYPE A 8" = 45.8 SQ. YD.
 BIT. SHOULDERS SUPERPAVE 8" = 45.8 SQ. YD.
 AGG. SHOULDERS, TYPE B

RT. STA. 425+60.6 TO 8+53.2
 COMB. C.C. & G. TYPE B-6.24 = 157.1'
 SEE SPECIAL PROVISION

CURB HEIGHT TRANSITION FROM 6" TO 0" OVER 5'-0"

LT. STA. 7+29.4 TO STA. 9+22
 PCC SIDEWALK 4" = 567.8 SQ. FT.
 CONSTRUCTION OF CURB RAMP SHALL BE INCLUDED IN COST.

LT. STA. 8+89
 * ADJUSTING MANHOLE FRAME, COVER AND RINGS = 1 EACH

CONSTRUCTION ENDS @ BIT./CONC. JOINT STA. 8+53.8

* ADJUSTING MANHOLE MAY BE REQUIRED DUE TO SLOPE CORRECTION DURING THE COLD MILLING PROCESS

LEGEND
 (SEE SCHEDULES FOR QUANTITIES)

- GEOTECH. FABRIC FOR GROUND STAB.
- SUB-BASE GRAN. MTL. TYPE A 8" (SEE SPECIAL PROVISION)
- POLY. LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50 (1")
- PCC BSE. CSE., WIDENING, 10"
- POLY BCSC., SUPERPAVE, MIX "D", N90 (1 1/2")
- POLY. LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50 (1")
- POLY BCSC., SUPERPAVE, MIX "D", N90 (1 1/2")
- GEOTECH. FABRIC FOR GROUND STAB.
- SUB-BASE GRAN. MTL. TYPE A 8" (SEE SPECIAL PROVISION)
- POLY. LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50(1")
- PCC BSE. CSE., 10"
- POLY BCSC., SUPERPAVE, MIX "D", N90 (1 1/2")



REVISIONS	
NAME	DATE

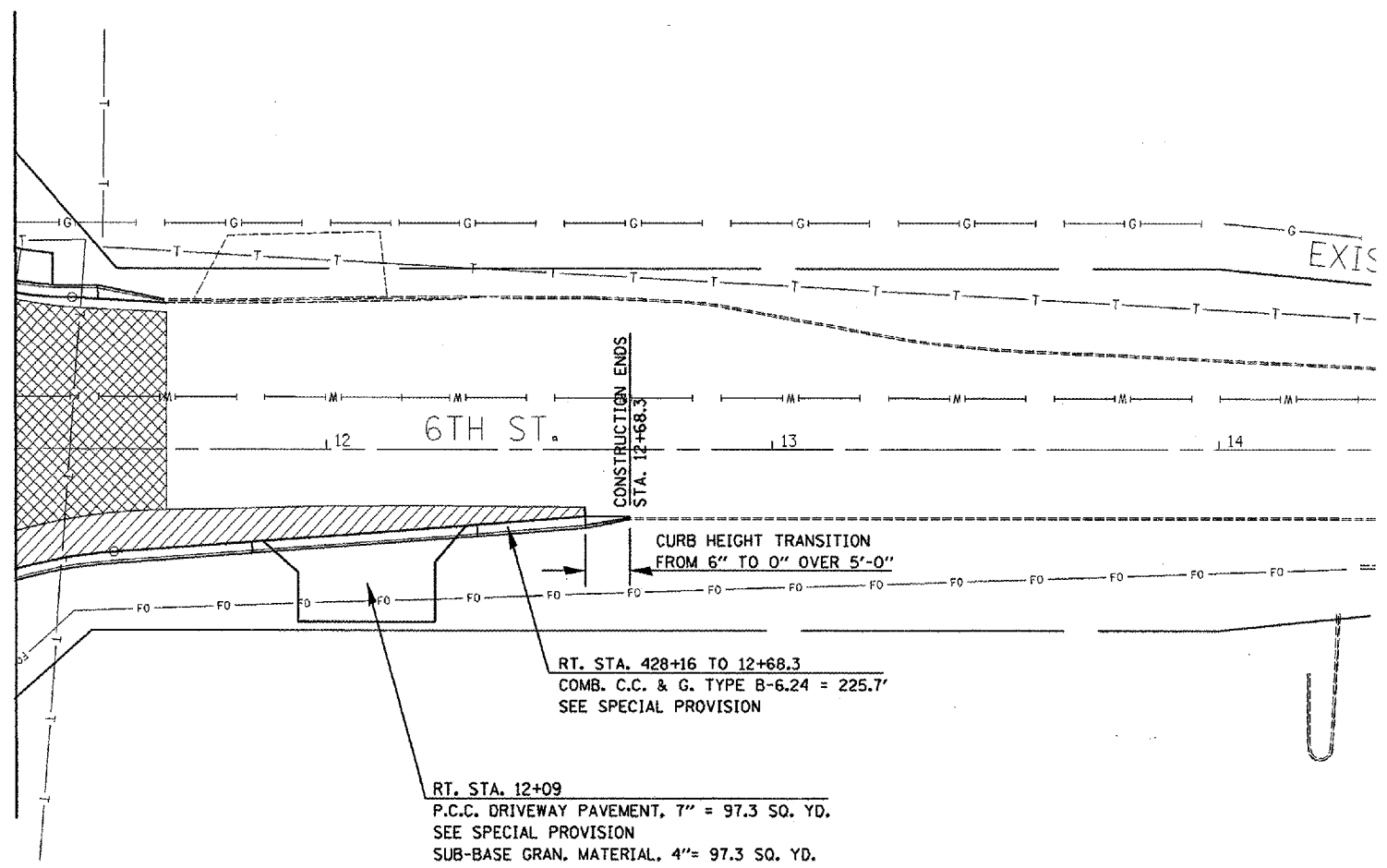
ILLINOIS DEPARTMENT OF TRANSPORTATION
**PROPOSED IMPROVEMENT/
 EXISTING UTILITY INFO.
 US 34 & 6TH ST.**

SCALE: VERT. 1" = 20 scale
 HORIZ. 1" = 20 scale
 DATE _____ DRAWN BY jew
 CHECKED BY _____

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MATCHLINE STA. 429+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		31
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	

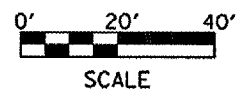


RT. STA. 428+16 TO 12+68.3
 COMB. C.C. & G. TYPE B-6.24 = 225.7'
 SEE SPECIAL PROVISION

RT. STA. 12+09
 P.C.C. DRIVEWAY PAVEMENT, 7" = 97.3 SQ. YD.
 SEE SPECIAL PROVISION
 SUB-BASE GRAN. MATERIAL, 4" = 97.3 SQ. YD.

LEGEND
 (SEE SCHEDULES FOR QUANTITIES)

- GEOTECH. FABRIC FOR GROUND STAB.
- SUB-BASE GRAN. MTL. TYPE A 8" (SEE SPECIAL PROVISION)
- POLY. LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50(1")
- PCC BSE. CSE. WIDENING 10"
- POLY BCSC., SUPERPAVE, MIX "D", N90 (1 1/2")
- POLY. LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50(1")
- POLY BCSC., SUPERPAVE, MIX "D", N90 (1 1/2")



REVISIONS	
NAME	DATE

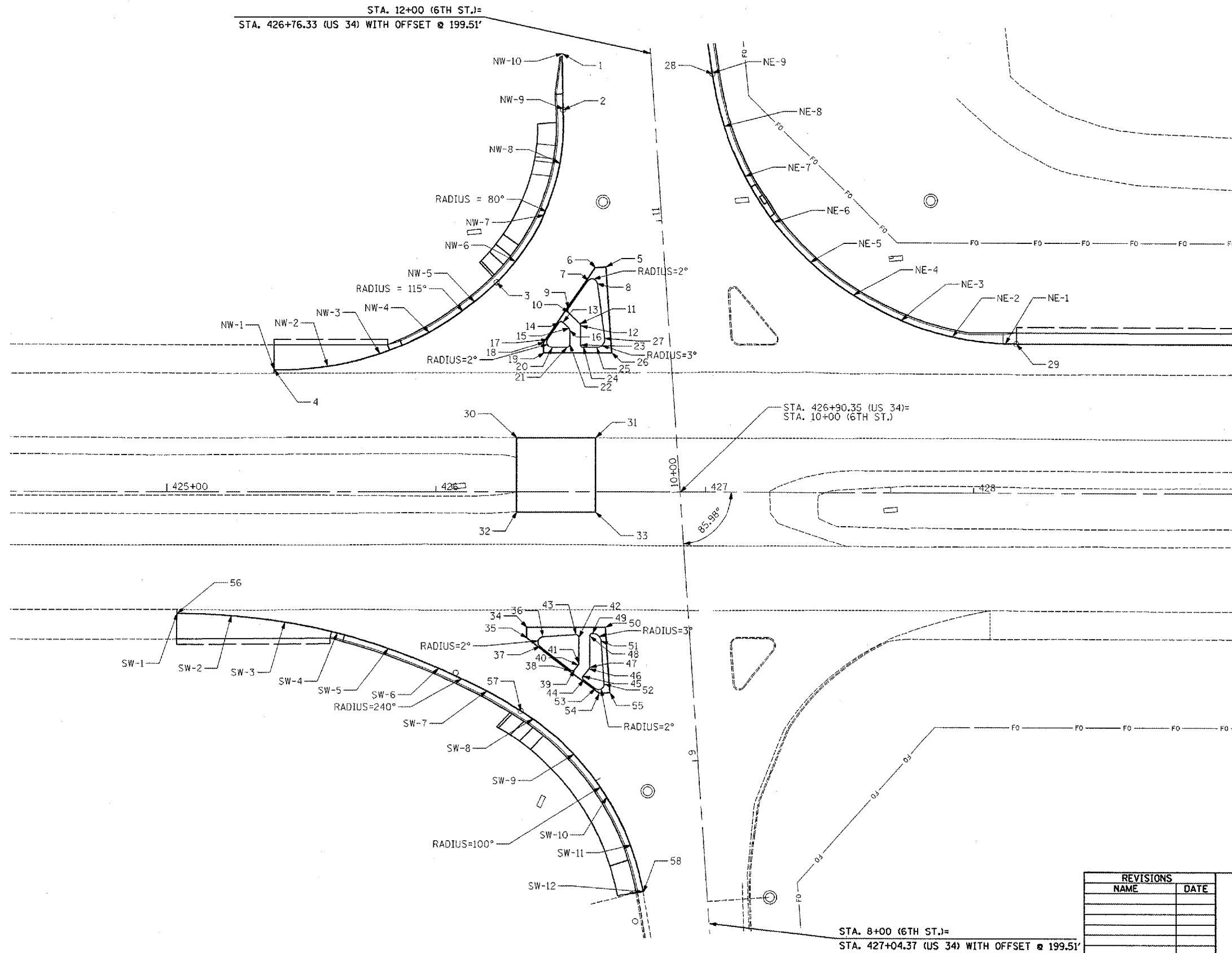
ILLINOIS DEPARTMENT OF TRANSPORTATION
**PROPOSED IMPROVEMENT/
 EXISTING UTILITY INFO.**
US 34 & 6TH ST.

VERT. SCALE: 1" = 20 scale
 HORIZ. SCALE: 1" = 20 scale

DRAWN BY: jaw
 CHECKED BY:

PLOT DATE = 2/18/2008
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		32
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



PLOT DATE = 2/18/2006
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 PLOT SCALE = 48.0000 / IN.
 USER NAME = russellh

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GEOMETRICS

US 34 & 6TH ST.

(SHEET 1 OF 2)

SCALE: VERT. 1" = 20' scale
 HORIZ. 1" = 20' scale

DRAWN BY jaw
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		33
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

POINTS AT PROPOSED E.O.P. AND ISLANDS

POINT	STATION	OFFSET
1	11+64.20	32.39
2	11+43.07	33.56
3	426+22.41	77.13
4	425+39.71	45.17
5	10+84.50	21.65
6	10+84.50	25.7
7	10+80.09	28.59
8	10+78.74	25.31
9	10+70.05	36.6
10	10+68.76	36.56
11	10+64.46	32.66
12	10+63.72	32.4
13	10+65.39	38.84
14	10+65.35	
15	10+63.11	36.74
16	10+62.37	36.51
17	426+41.50	56.55
18	426+40.04	55.31
19	426+40.04	51.31
20	426+43.07	53.31
21	426+48.56	53.31
22	426+49.56	54.31
23	426+53.56	54.31
24	426+54.56	53.31
25	426+59.39	53.31
26	426+65.00	51.31
27	10+58.54	23.94

POINTS AT PROPOSED E.O.P. AND ISLANDS

POINT	STATION	OFFSET
28	11+52.45	22.65
29	428+15.99	55.22
30	426+30.06	20.04
31	426+59.08	20.03
32	426+30.06	7.48
33	426+59.08	7.48

POINTS AT PROPOSED E.O.P. AND ISLANDS

POINT	STATION	OFFSET
34	426+33.83	50.31
35	426+33.83	54.31
36	426+39.79	53.86
37	426+38.70	57.44
38	9+36.73	44.77
39	9+36.81	43.36
40	9+38.50	41.86
41	9+39.09	41.61
42	426+53.12	54.04
43	426+52.05	53.04
44	9+32.74	40.28
45	9+34.15	40.37
46	9+36.86	37.97
47	9+37.45	37.71
48	426+57.12	53.64
49	426+58.09	52.63
50	426+62.93	50.31
51	9+46.76	32.88
52	9+30.80	32.87
53	9+29.11	36.2
54	9+27.25	34.87
55	9+27.26	30.87
56	425+03.90	45.15
57	9+22.72	64.22
58	8+53.43	23.69

RADIUS POINTS
SW QUADRANT

POINT NUMBER	STATION	OFFSET (FEET)
SW-1	425+03.	45.15
SW-2	425+23.	45.93
SW-3	425+43.	48.37
SW-4	425+63.	52.45
SW-5	425+82.	58.14
SW-6	426+01.	65.41
SW-7	9+30.97	76.34
SW-8	9+19.47	59.99
SW-9	9+05.40	45.82
SW-10	8+88.80	34.73
SW-11	8+70.32	27.16
SW-12	8+53.43	23.69

RADIUS POINTS
NW QUADRANT

POINT NUMBER	STATION	OFFSET (FEET)
NW-1	425+39.	45.17
NW-2	425+59	46.37
NW-3	425+79	51 LT.
NW-4	425+97	58.93
NW-5	426+14.	69.90
NW-6	10+88.8	54.88
NW-7	11+05.00	43.25
NW-8	11+23.60	36 LT.
NW-9	11+43.40	33.54
NW-10	11+63.37	32.44

RADIUS POINTS
NW QUADRANT

POINT NUMBER	STATION	OFFSET (FEET)
NE-1	428+11.	55.30
NE-2	427+91.	57.77
NE-3	427+72	63.64
NE-4	427+55	72.75
NE-5	427+39	84.79
NE-6	10+96.6	41.98
NE-7	11+14.16	32.30
NE-8	11+33.04	25.78
NE-9	11+52.76	22.63
NE-10	11+72.71	21.14

PLOT DATE = 2/18/2006
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 USER NAME = russellm

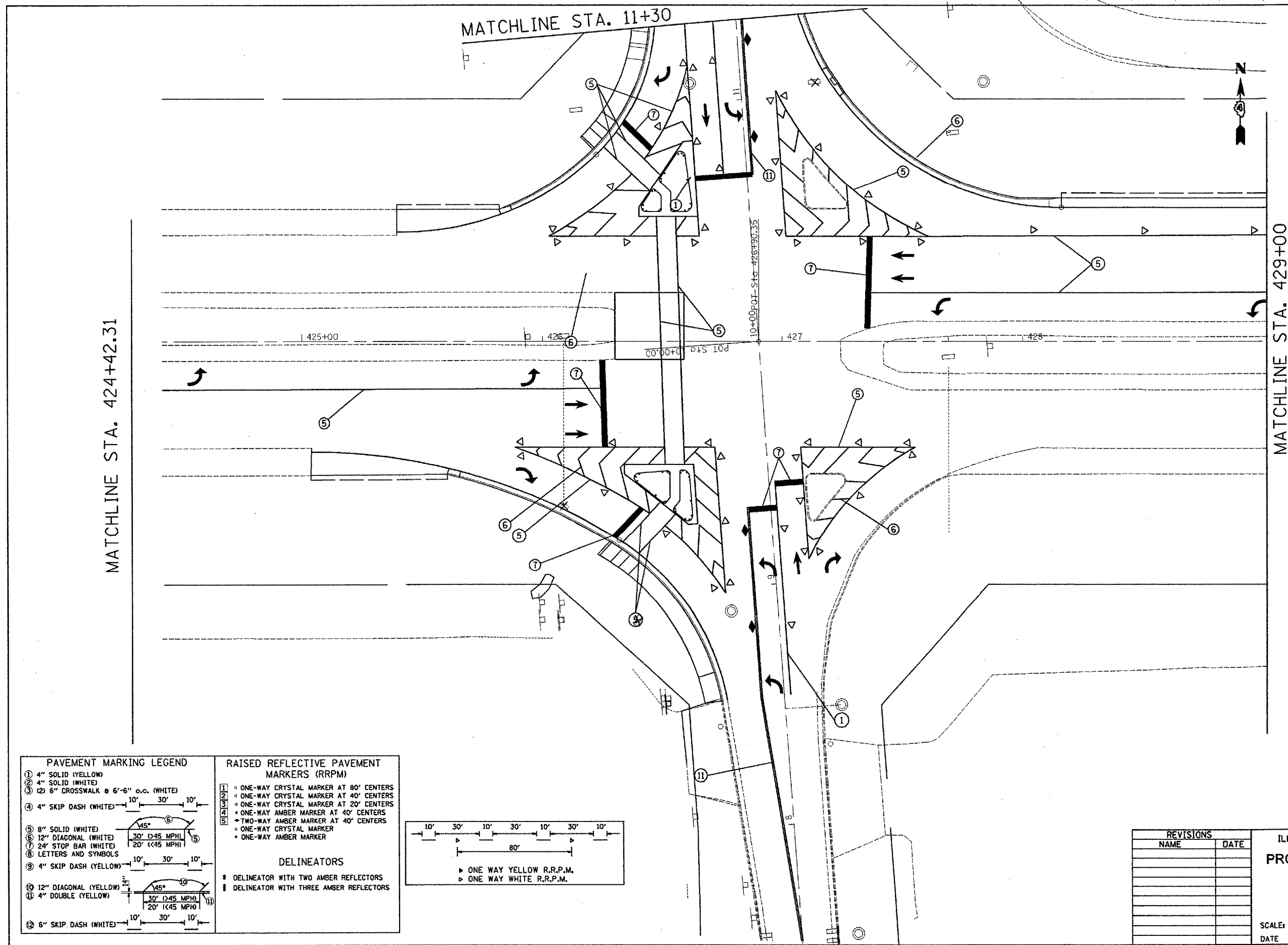
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GEOMETRICS
US 34 & 6TH ST.
(SHEET 2 OF 2)

SCALE: VERT.
 DATE HORIZ.

DRAWN BY
 CHECKED BY

CONTRACT NO. 68356				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		35
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	



MATCHLINE STA. 424+42.31

MATCHLINE STA. 429+00

PAVEMENT MARKING LEGEND

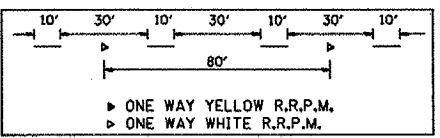
① 4" SOLID (YELLOW)	⑤ 8" SOLID (WHITE)
② 4" SOLID (WHITE)	⑥ 12" DIAGONAL (WHITE)
③ 6" CROSSWALK @ 6'-6" o.c. (WHITE)	⑦ 24" STOP BAR (WHITE)
④ 4" SKIP DASH (WHITE)	⑧ LETTERS AND SYMBOLS
⑨ 4" SKIP DASH (YELLOW)	⑩ 12" DIAGONAL (YELLOW)
⑪ 4" DOUBLE (YELLOW)	⑫ 6" SKIP DASH (WHITE)

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

① ONE-WAY CRYSTAL MARKER AT 80' CENTERS
② ONE-WAY CRYSTAL MARKER AT 40' CENTERS
③ ONE-WAY CRYSTAL MARKER AT 20' CENTERS
④ ONE-WAY AMBER MARKER AT 40' CENTERS
⑤ TWO-WAY AMBER MARKER AT 40' CENTERS
⑥ ONE-WAY CRYSTAL MARKER
⑦ ONE-WAY AMBER MARKER

DELINEATORS

- DELINEATOR WITH TWO AMBER REFLECTORS
- ▬ DELINEATOR WITH THREE AMBER REFLECTORS



REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKINGS
 US 34
 STA 418+00 TO 424+00

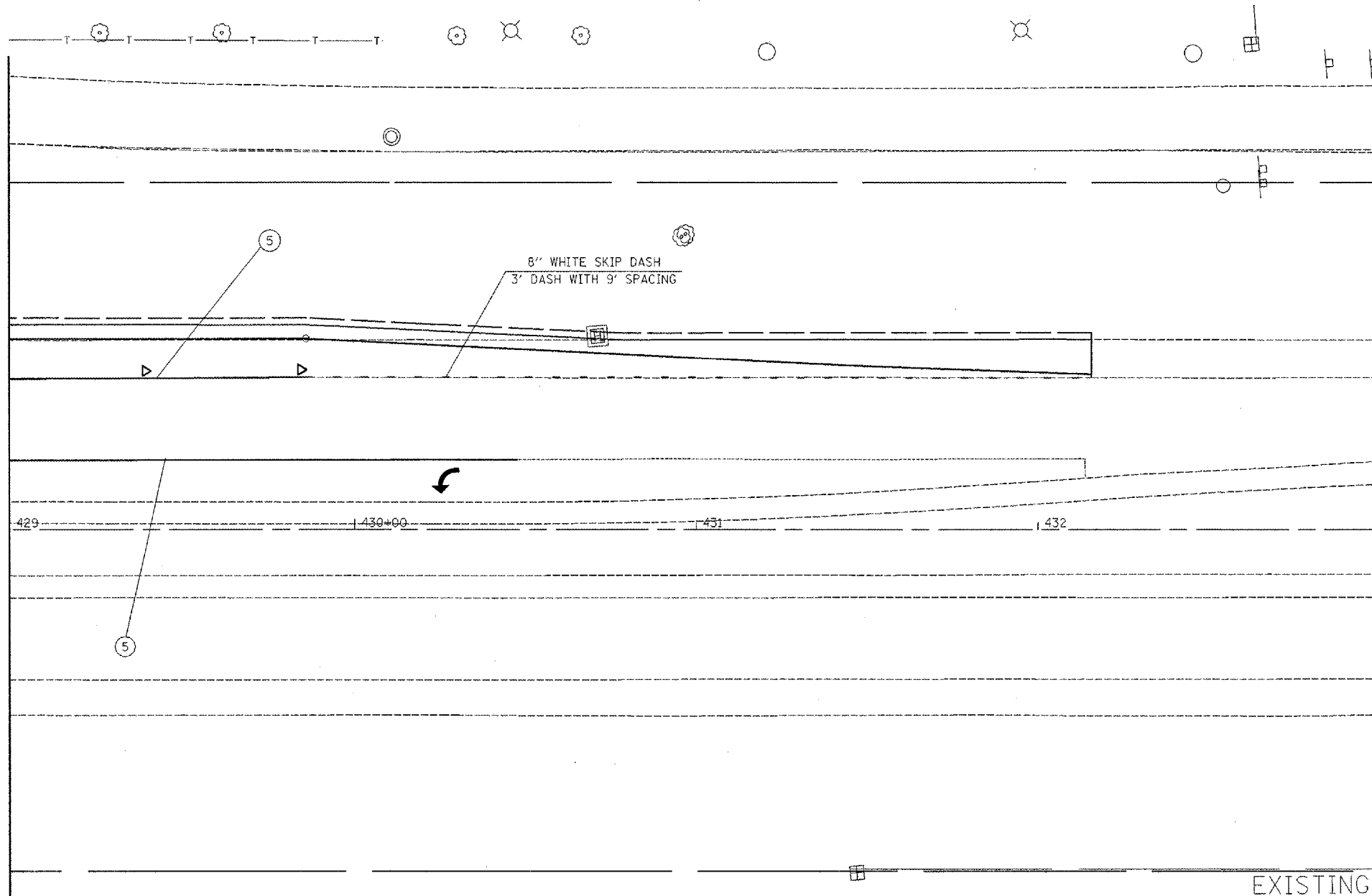
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 HORIZ. DATE

DRAWN BY jaw
 CHECKED BY

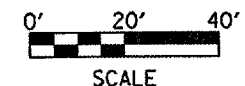
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 PLOT SCALE = 48.0000 / IN.
 USER NAME = fusa11an

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1.TS	WARREN		36
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	

MATCHLINE STA. 429+00



EXISTING



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKING
US 34 @ 6th STREET

SCALE: VERT. 1"=20 scale
 HORIZ. DATE
 DRAWN BY jaw
 CHECKED BY

PAVEMENT MARKING LEGEND

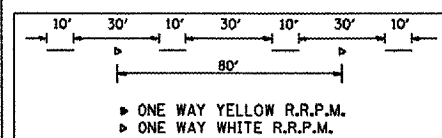
- ① 4" SOLID (YELLOW)
- ② 4" SOLID (WHITE)
- ③ 6" CROSSWALK @ 6'-6" o.c. (WHITE)
- ④ 4" SKIP DASH (WHITE)
- ⑤ 8" SOLID (WHITE)
- ⑥ 12" DIAGONAL (WHITE)
- ⑦ 24" STOP BAR (WHITE)
- ⑧ LETTERS AND SYMBOLS
- ⑨ 4" SKIP DASH (YELLOW)
- ⑩ 12" DIAGONAL (YELLOW)
- ⑪ 4" DOUBLE (YELLOW)
- ⑫ 6" SKIP DASH (WHITE)

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

- ① ONE-WAY CRYSTAL MARKER AT 80' CENTERS
- ② ONE-WAY CRYSTAL MARKER AT 40' CENTERS
- ③ ONE-WAY CRYSTAL MARKER AT 20' CENTERS
- ④ ONE-WAY AMBER MARKER AT 40' CENTERS
- ⑤ TWO-WAY AMBER MARKER AT 40' CENTERS
- ⑥ ONE-WAY CRYSTAL MARKER
- ⑦ ONE-WAY AMBER MARKER

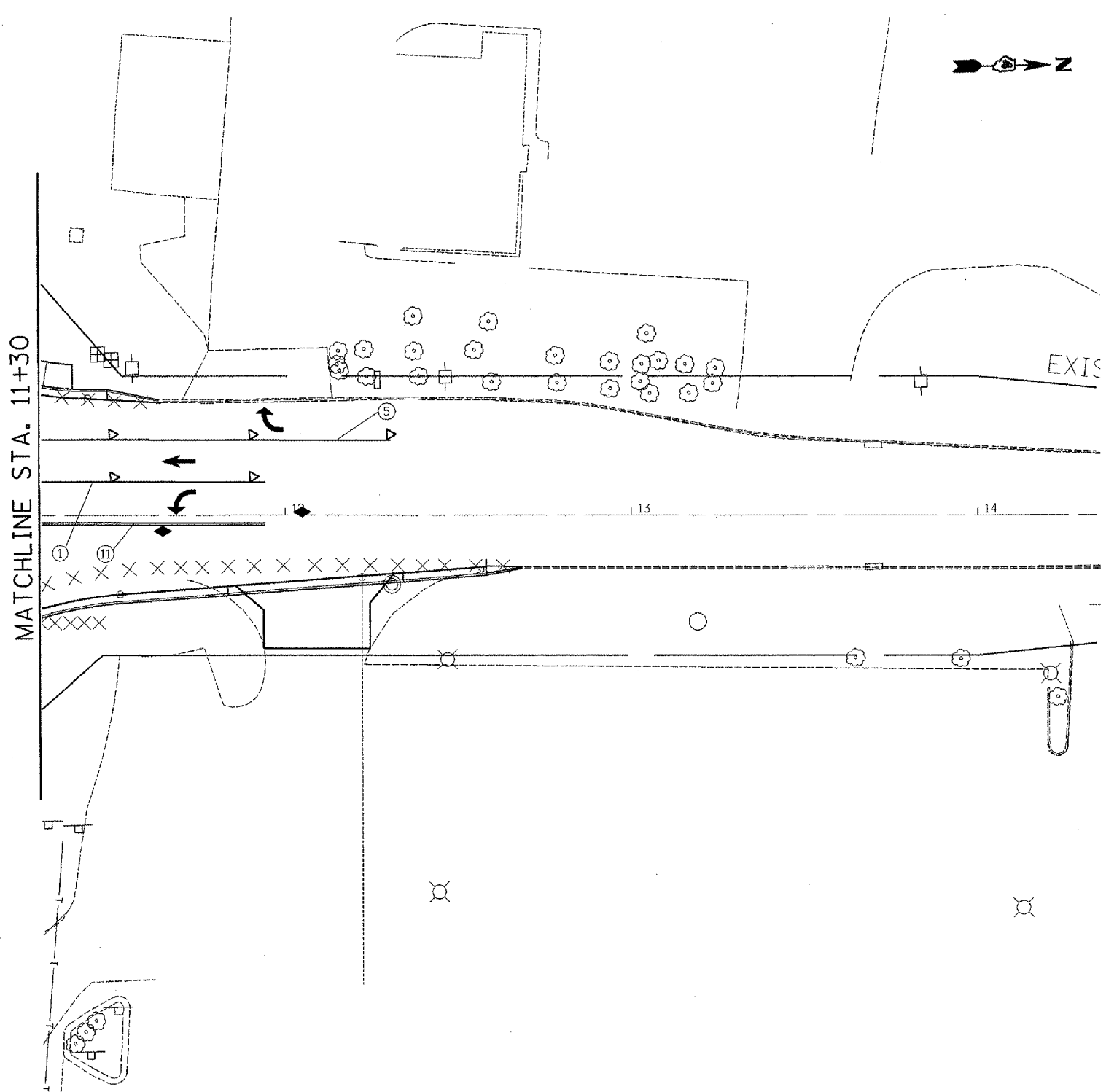
DELINEATORS

- DELINEATOR WITH TWO AMBER REFLECTORS
- DELINEATOR WITH THREE AMBER REFLECTORS

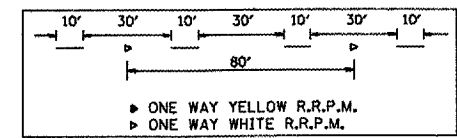


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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		37
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
① 4" SOLID (YELLOW)		1	ONE-WAY CRYSTAL MARKER AT 80' CENTERS
② 4" SOLID (WHITE)		2	ONE-WAY CRYSTAL MARKER AT 40' CENTERS
③ 6" CROSSWALK @ 6'-6" o.c. (WHITE)		3	ONE-WAY CRYSTAL MARKER AT 20' CENTERS
④ 4" SKIP DASH (WHITE)		4	ONE-WAY AMBER MARKER AT 40' CENTERS
⑤ 8" SOLID (WHITE)		5	TWO-WAY AMBER MARKER AT 40' CENTERS
⑥ 12" DIAGONAL (WHITE)			ONE-WAY CRYSTAL MARKER
⑦ 24" STOP BAR (WHITE)			ONE-WAY AMBER MARKER
⑧ LETTERS AND SYMBOLS			
⑨ 4" SKIP DASH (YELLOW)			
⑩ 12" DIAGONAL (YELLOW)			
⑪ 4" DOUBLE (YELLOW)			
⑫ 6" SKIP DASH (WHITE)			



REVISIONS	
NAME	DATE

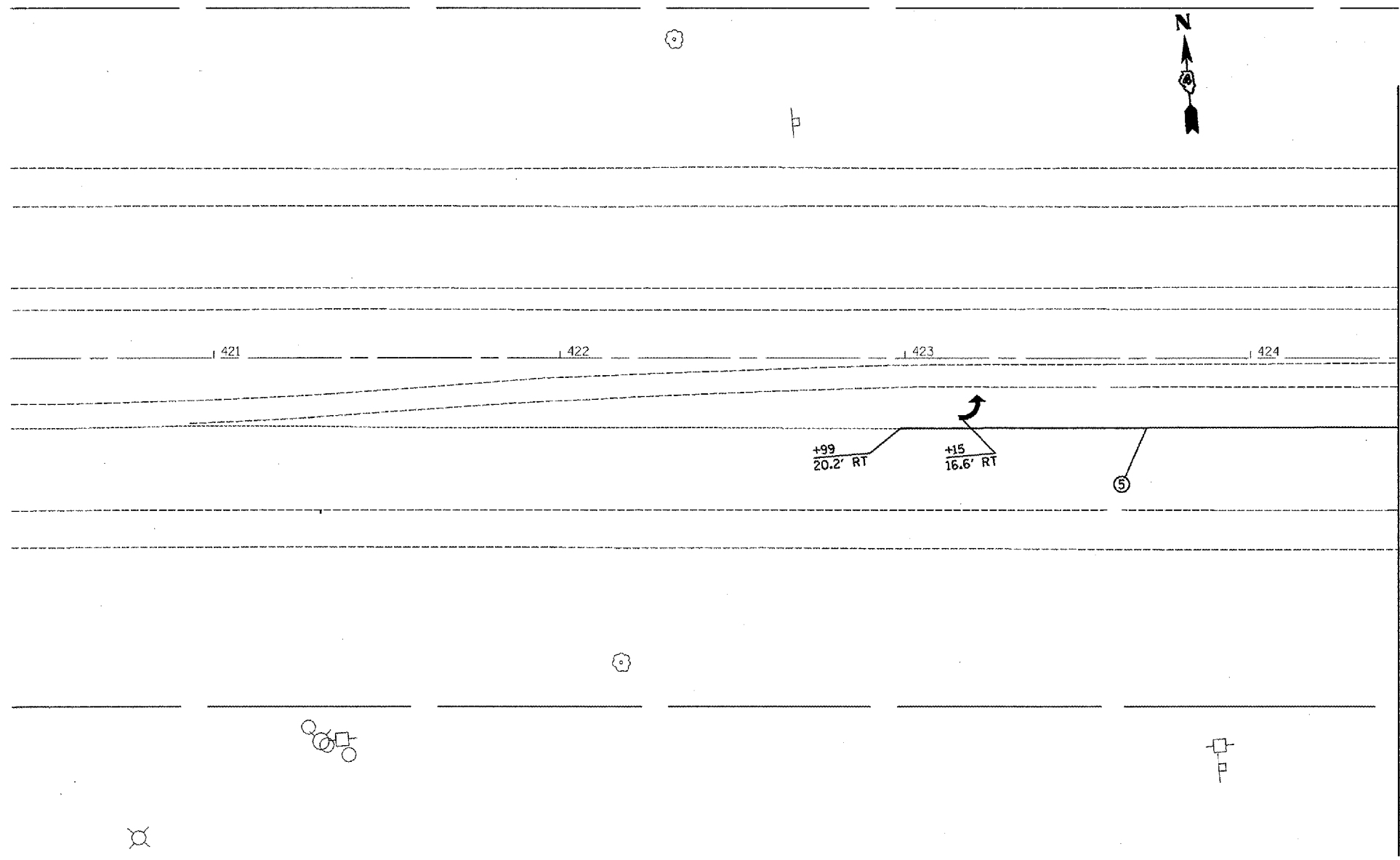
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKINGS
US 34
STA 429+00 TO 435+20

SCALE: VERT. 1" = 20 scale
 HORIZ. 1" = 20 scale

DATE _____ DRAWN BY jcw
 CHECKED BY _____

PLOT DATE = 2/18/2006
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 USER NAME = russellm

CONTRACT NO. 68356				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		30
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS		FED. AID PROJECT

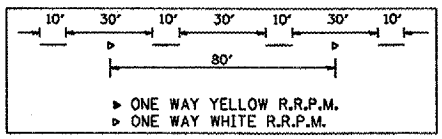


MATCHLINE STA. 424+42.31

PAVEMENT MARKING LEGEND	
① 4" SOLID (YELLOW)	
② 4" SOLID (WHITE)	
③ (2) 6" CROSSWALK @ 6'-6" o.c. (WHITE)	
④ 4" SKIP DASH (WHITE)	10' 30' 10'
⑤ 8" SOLID (WHITE)	
⑥ 12" DIAGONAL (WHITE)	30' (45 MPH) 20' (45 MPH)
⑦ 24" STOP BAR (WHITE)	
⑧ LETTERS AND SYMBOLS	
⑨ 4" SKIP DASH (YELLOW)	10' 30' 10'
⑩ 12" DIAGONAL (YELLOW)	30' (45 MPH) 20' (45 MPH)
⑪ 4" DOUBLE (YELLOW)	
⑫ 6" SKIP DASH (WHITE)	10' 30' 10'

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)	
①	ONE-WAY CRYSTAL MARKER AT 80' CENTERS
②	ONE-WAY CRYSTAL MARKER AT 40' CENTERS
③	ONE-WAY CRYSTAL MARKER AT 20' CENTERS
④	ONE-WAY AMBER MARKER AT 40' CENTERS
⑤	TWO-WAY AMBER MARKER AT 40' CENTERS
	ONE-WAY CRYSTAL MARKER
	ONE-WAY AMBER MARKER

DELINEATORS	
■	DELINEATOR WITH TWO AMBER REFLECTORS
■	DELINEATOR WITH THREE AMBER REFLECTORS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKINGS
 US 34
 STA 420+00 TO 424+00

SCALE: VERT. 1" = 20 scale
 HORIZ. DATE

DRAWN BY jbw
 CHECKED BY

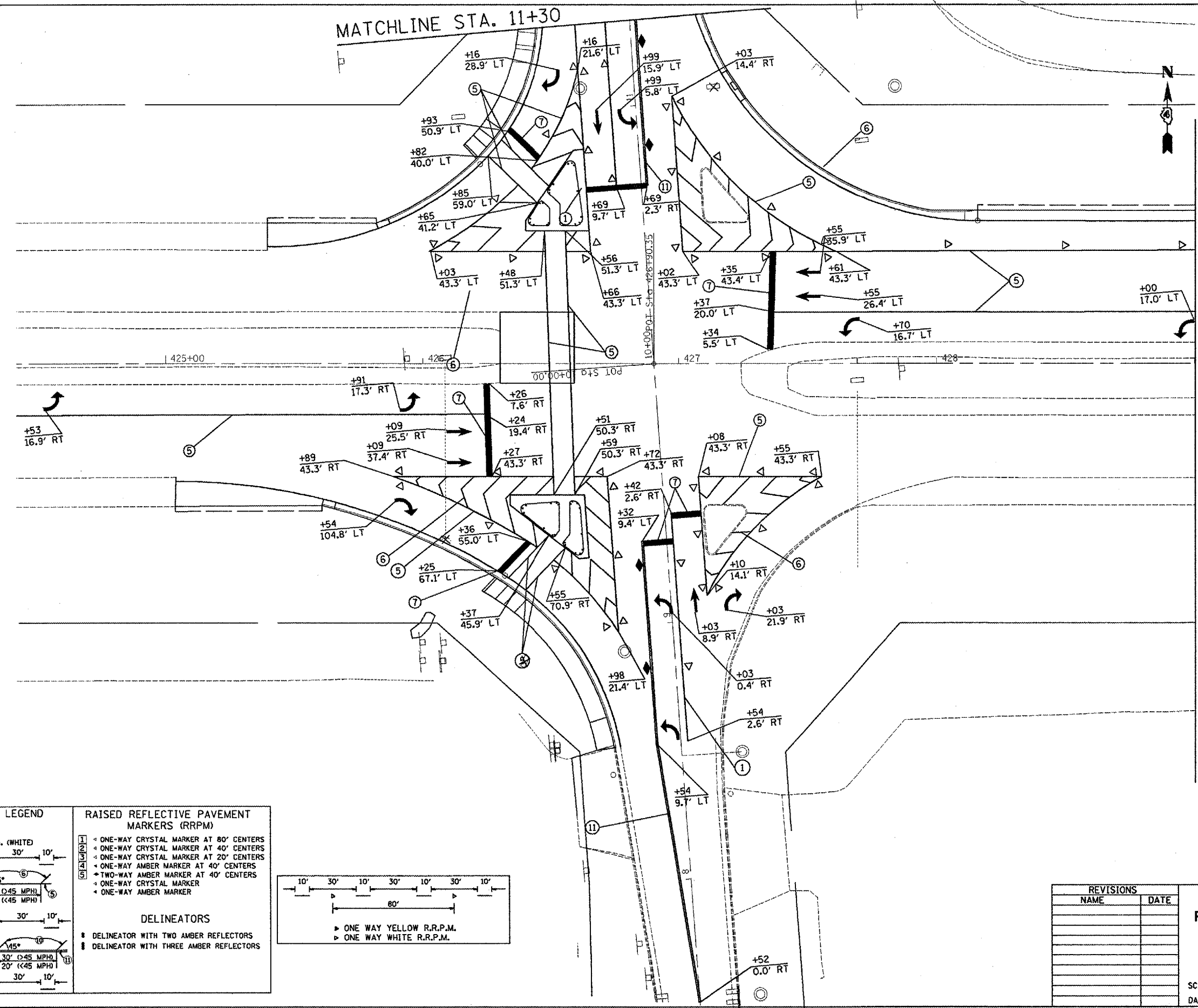
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 USER NAME = russellr

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		39
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 11+30

MATCHLINE STA. 424+42.31

MATCHLINE STA. 429+00



PAVEMENT MARKING LEGEND

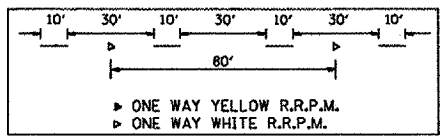
① 4" SOLID (YELLOW)	⑤ 8" SOLID (WHITE)
② 4" SOLID (WHITE)	⑥ 12" DIAGONAL (WHITE)
③ 6" CROSSWALK @ 6'-6" o.c. (WHITE)	⑦ 24" STOP BAR (WHITE)
④ 4" SKIP DASH (WHITE)	⑧ LETTERS AND SYMBOLS
	⑨ 4" SKIP DASH (YELLOW)
	⑩ 12" DIAGONAL (YELLOW)
	⑪ 4" DOUBLE (YELLOW)
	⑫ 6" SKIP DASH (WHITE)

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

① ONE-WAY CRYSTAL MARKER AT 80' CENTERS
② ONE-WAY CRYSTAL MARKER AT 40' CENTERS
③ ONE-WAY CRYSTAL MARKER AT 20' CENTERS
④ ONE-WAY AMBER MARKER AT 40' CENTERS
⑤ TWO-WAY AMBER MARKER AT 40' CENTERS
⑥ ONE-WAY CRYSTAL MARKER
⑦ ONE-WAY AMBER MARKER

DELINEATORS

① DELINEATOR WITH TWO AMBER REFLECTORS
② DELINEATOR WITH THREE AMBER REFLECTORS



REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKINGS
US 34
STA 418+00 TO 424+00

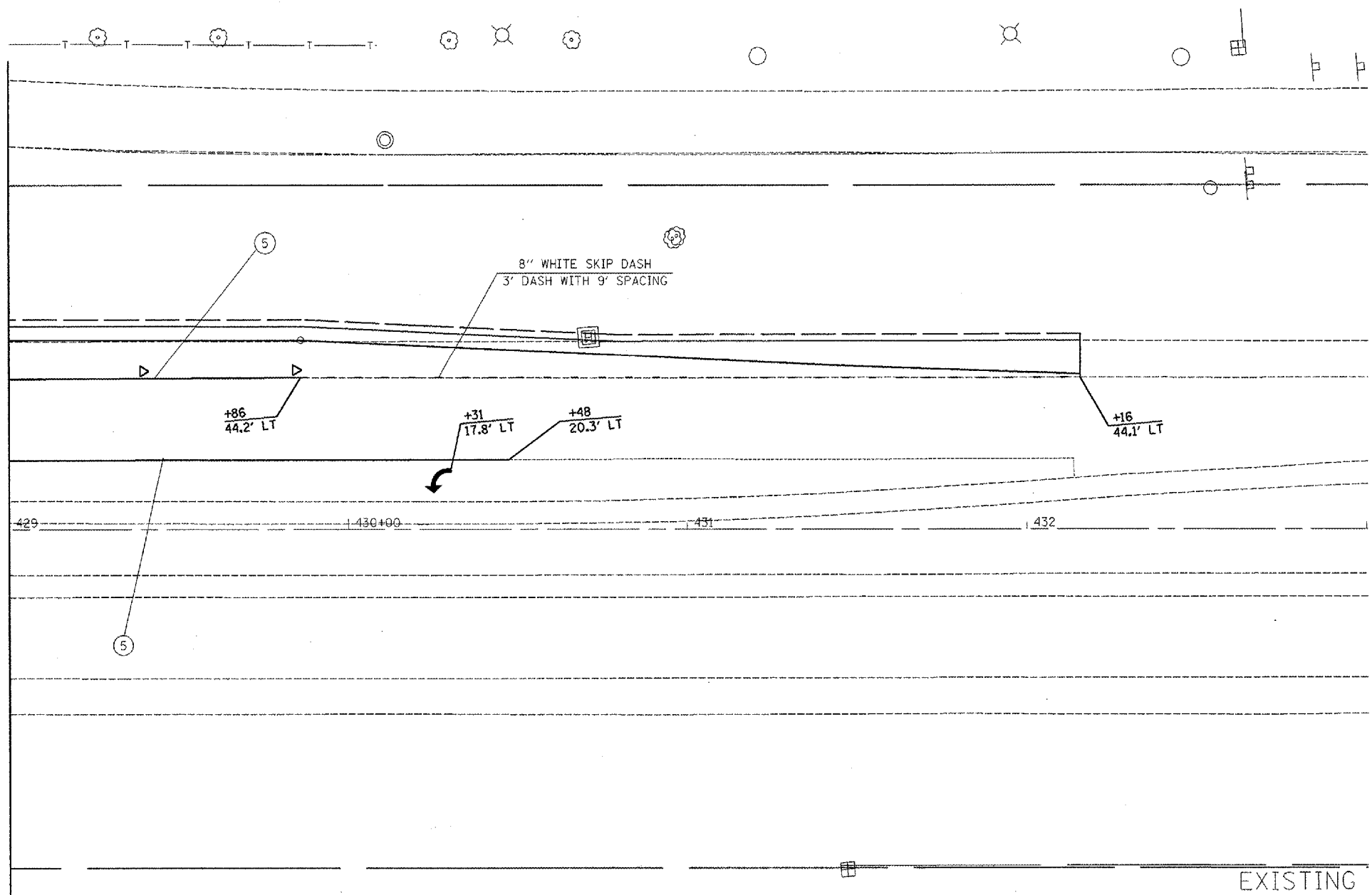
SCALE: VERT. 1" = 20' scale
 HORIZ. 1" = 40' scale

DRAWN BY jaw
 CHECKED BY

PLOT DATE = 2/18/2008
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 PLOT SCALE = 48.0000 / IN.
 USER NAME = russellm

CONTRACT NO. 68356			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
313	103N-1,TS	WARREN	40
STA.		TO STA.	
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT	

MATCHLINE STA. 429+00



EXISTING

PAVEMENT MARKING LEGEND

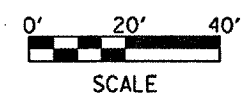
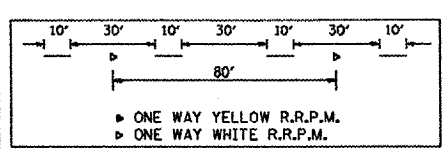
- ① 4" SOLID (YELLOW)
- ② 4" SOLID (WHITE)
- ③ 6" CROSSWALK @ 6'-6" o.c. (WHITE)
- ④ 4" SKIP DASH (WHITE)
- ⑤ 8" SOLID (WHITE)
- ⑥ 12" DIAGONAL (WHITE)
- ⑦ 24" STOP BAR (WHITE)
- ⑧ LETTERS AND SYMBOLS
- ⑨ 4" SKIP DASH (YELLOW)
- ⑩ 12" DIAGONAL (YELLOW)
- ⑪ 4" DOUBLE (YELLOW)
- ⑫ 6" SKIP DASH (WHITE)

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM)

- ① ONE-WAY CRYSTAL MARKER AT 80' CENTERS
- ② ONE-WAY CRYSTAL MARKER AT 40' CENTERS
- ③ ONE-WAY CRYSTAL MARKER AT 20' CENTERS
- ④ ONE-WAY AMBER MARKER AT 40' CENTERS
- ⑤ TWO-WAY AMBER MARKER AT 40' CENTERS
- ⑥ ONE-WAY CRYSTAL MARKER
- ⑦ ONE-WAY AMBER MARKER

DELINEATORS

- DELINEATOR WITH TWO AMBER REFLECTORS
- ▬ DELINEATOR WITH THREE AMBER REFLECTORS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED PAVEMENT MARKING

US 34 @ 6th STREET

SCALE: VERT. 1" = 20 scale
HORIZ. 1" = 40 scale

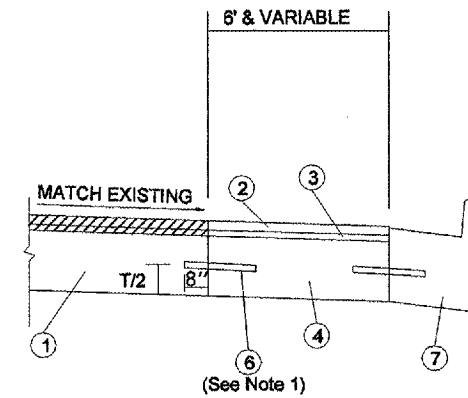
DATE _____ DRAWN BY jaw
CHECKED BY _____

PLOT DATE = 2/18/2008
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 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = fussellm

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		42
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS		FED. AID PROJECT		

NOTES:

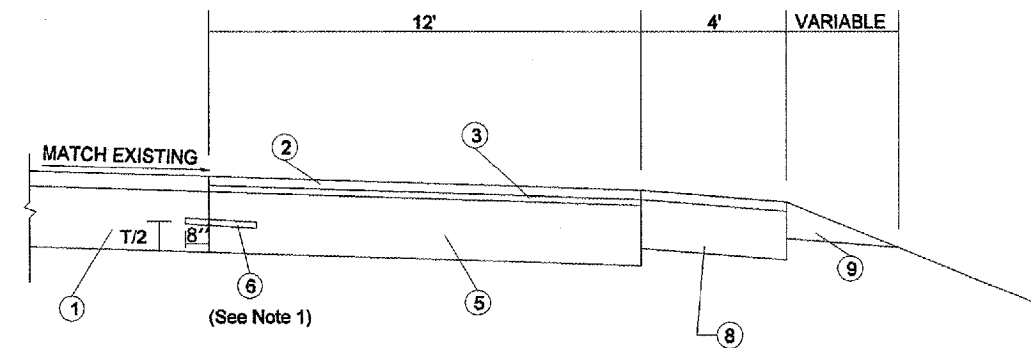
1. All Tie Bars, associated labor and materials shall not be paid for separately, but shall be included in the cost of P.C.C. Base Course Widening, 10" or P.C.C. Base Course, 10".
2. Existing Pavement should be milled prior to placement of P.C.C. Base Course and Base Course Widening, 10".
3. See Schedule of Quantities for Locations.
4. The Contractor shall perform a full-depth saw cut at the joint between existing pavement and bituminous shoulder at the location of the Proposed Right Turn Lane as per Section 440 of the Standard Specifications.



PROPOSED PCC BASE COURSE WIDENING, 10" WITH CCC & G, TY. B-6.24 ADJACENT TO EXISTING PAVEMENT

LEGEND

- BITUMINOUS SURFACE REMOVAL, 2 1/2"
- ① EXISTING PCC PAVEMENT
(See Typical Sections)
- ② POLY. BCSC, SUPER., MIX "E", N 90 (1 1/2")
- ③ POLY. LEVELING BINDER (MM), SUPER., IL-4.75, N50 (1")
- ④ P.C.C. BASE COURSE WIDENING, 10"
- ⑤ P.C.C. BASE COURSE, 10"
- ⑥ NO. 6 TIE BARS, 24" LONG @ 24" CENTERS
(Grouted in Place)
- ⑦ C.C.C. & G., TY. B-6.24
(See Highway Standard 606001 for details)
- ⑧ PROP. BIT. SHOULDER, 8"
(See General Notes for Mixture Requirements for Top 1 1/2")
- ⑨ AGGREGATE SHOULDERS, TYPE B



PROPOSED PCC BASE COURSE, 10" WITH BITUMINOUS SHOULDER ADJACENT TO EXISTING PAVEMENT (RIGHT TURN LANE)

PLOT DATE = 2/19/2006
 FILE NAME = c:\pcc\pcc\msh\msh2\mshsheets.dwg
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = vega.je

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION P.C.C. BSE CSE WIDENING, 10" AND P.C.C. BASE COURSE, 10" DETAIL
NAME	DATE	
		SCALE: VERT. not to scale HORIZ. DATE

DRAWN BY JW
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	1031-3	WARREN		44
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		
CONT. *68356				

REMOVE EXISTING CONCRETE FOUNDATIONS - QTY. 4 EA.
 QTY. LOCATIONS
 1.0 EA. A, B, C, D

REMOVE EXISTING HANDHOLE - QTY. 8 EA.
 QTY. LOCATIONS
 1.0 EA. HH 2, 3, 4, 5, 6, 7, 8, 9, 10

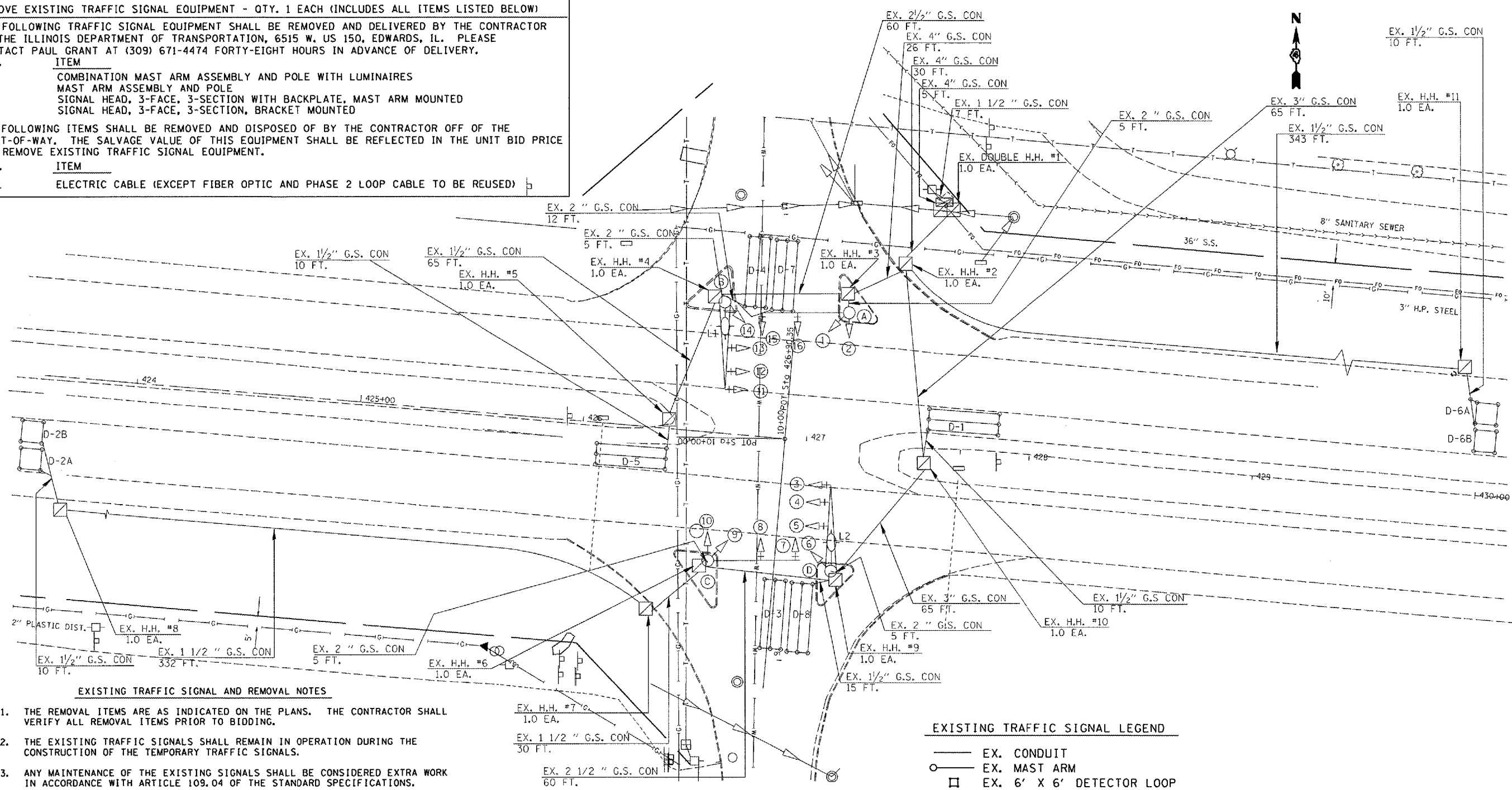
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - QTY. 1 EACH (INCLUDES ALL ITEMS LISTED BELOW)

THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED AND DELIVERED BY THE CONTRACTOR TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION, 6515 W. US 150, EDWARDS, IL. PLEASE CONTACT PAUL GRANT AT (309) 671-4474 FORTY-EIGHT HOURS IN ADVANCE OF DELIVERY.

QTY.	ITEM
2.0	COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRES
2.0	MAST ARM ASSEMBLY AND POLE
10.0	SIGNAL HEAD, 3-FACE, 3-SECTION WITH BACKPLATE, MAST ARM MOUNTED
6.0	SIGNAL HEAD, 3-FACE, 3-SECTION, BRACKET MOUNTED

THE FOLLOWING ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE RIGHT-OF-WAY. THE SALVAGE VALUE OF THIS EQUIPMENT SHALL BE REFLECTED IN THE UNIT BID PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

QTY.	ITEM
ALL	ELECTRIC CABLE (EXCEPT FIBER OPTIC AND PHASE 2 LOOP CABLE TO BE REUSED)



EXISTING TRAFFIC SIGNAL AND REMOVAL NOTES

1. THE REMOVAL ITEMS ARE AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL REMOVAL ITEMS PRIOR TO BIDDING.
2. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE TEMPORARY TRAFFIC SIGNALS.
3. ANY MAINTENANCE OF THE EXISTING SIGNALS SHALL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
4. FULL DEPTH SAW CUTS SHALL BE REQUIRED AT ALL REMOVAL LIMITS. IF THE CONTRACTOR REMOVES OR DAMAGES THE EXISTING SIDEWALK OR BITUMINOUS SURFACE OUTSIDE THE REMOVAL LIMITS DESIGNATED BY THE ENGINEER, THE CONTRACTOR SHALL REMOVE AND/OR REPLACE THAT PORTION AT THE CONTRACTOR'S EXPENSE.
5. THE EXISTING HANDHOLES SHALL BE REMOVED. THIS WORK WILL BE PAID FOR AS "REMOVE EXISTING HANDHOLE".
6. THE EXISTING FIBER OPTIC INTERCONNECT CABLE AND PHASE TWO ADVANCED DETECTOR LOOP CABLE SHALL BE REMOVED FROM THE EXISTING INTERCONNECT CONDUIT AND STORED IN THE NEAREST HANDHOLE THAT IS NOT AFFECTED BY CONSTRUCTION. THE CABLES WILL BE USED IN THE PROPOSED TRAFFIC SIGNAL INSTALLATION.




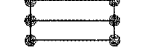
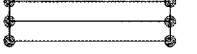

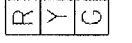





EXISTING TRAFFIC SIGNAL LEGEND

- EX. CONDUIT
- EX. MAST ARM
- EX. 6' X 6' DETECTOR LOOP
- ▨ EX. 6' X 50' DETECTOR LOOP
- ▩ EX. 6' X 35' DETECTOR LOOP
- ⊗ EX. LUMINAIRE
- ⊠ EX. HANDHOLE
- ⊞ EX. SERVICE INSTALLATION
- ⊞ EX. COMBINATION MAST ARM
- ⊞ EX. SIGNAL HEAD
- ⊞ EX. SIGNAL HEAD W/ BACKPLATE
- ⊞ EX. CONTROLLER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING TRAFFIC SIGNALS
 US 34 & SIXTH ST.
 MONMOUTH
 WARREN COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

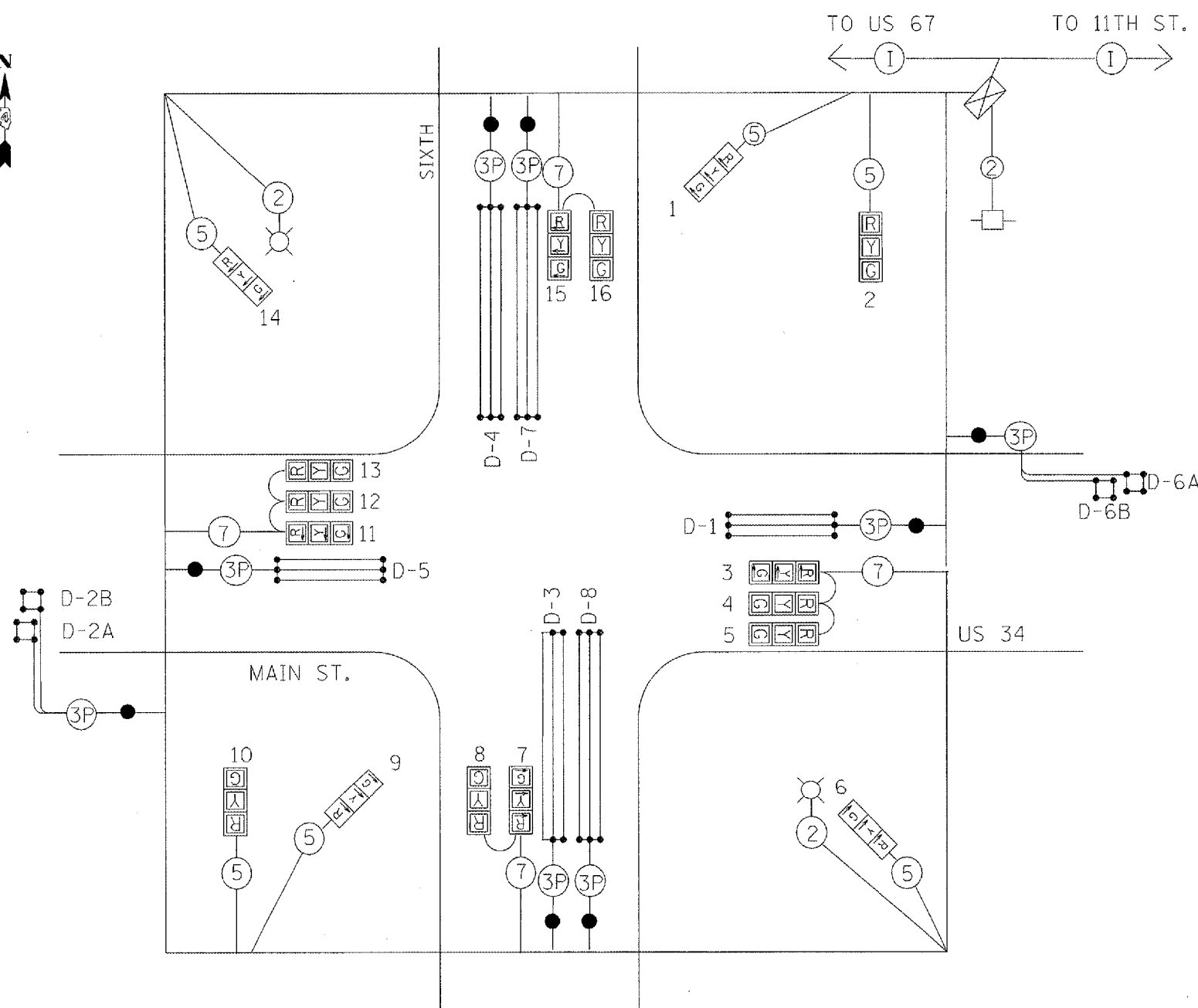
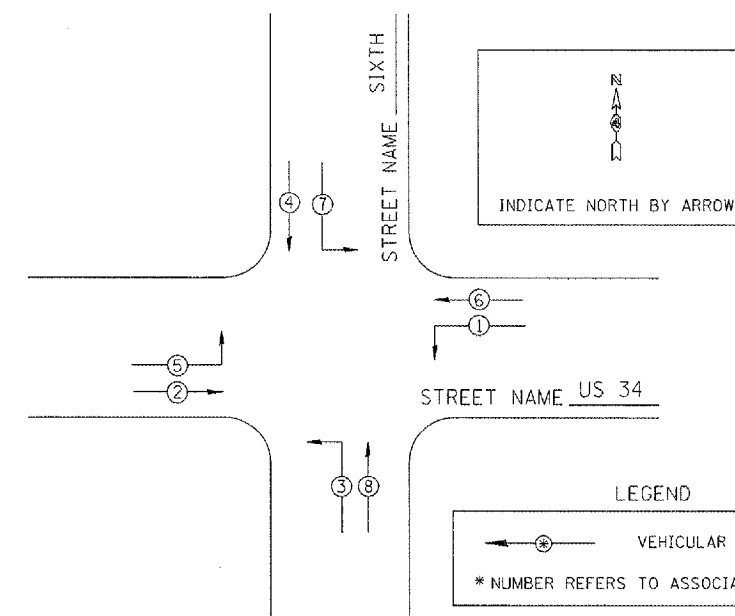
TRAFFIC SIGNAL LEGEND

-  EX. CONTROLLER (SIGNAL)
-  EX. DETECTOR LOOP
-  EX. SERVICE INSTALLATION
-  EX. QUADRAPOLE LOOP 35 FT.
-  EX. QUADRAPOLE LOOP 50 FT.
-  EX. 3 SEC. SIGNAL HEAD W/BACKPLATE
-  EX. SIGNAL HEAD
-  EX. OVERHEAD LIGHTING LUMINAIRE
-  EX. 3 PAIR NO. 18 TW/SH CABLE
-  EX. 5C NO. 14 SIGNAL CABLE
-  EX. 2C NO. 6 ELECTRIC CABLE
-  EX. FIBER OPTIC INTERCONNECT

EXISTING PHASE DESIGNATION DIAGRAM

NAME OF INTERSECTION US 34 & SIXTH ST.

REFERRING TO STANDARD 857001, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED BELOW:



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 EXISTING CABLE DIAGRAM
 US 34 & SIXTH ST.
 MONMOUTH
 WARREN COUNTY

SCALE: VERT. DRAWN BY
 HORIZ. CHECKED BY
 DATE

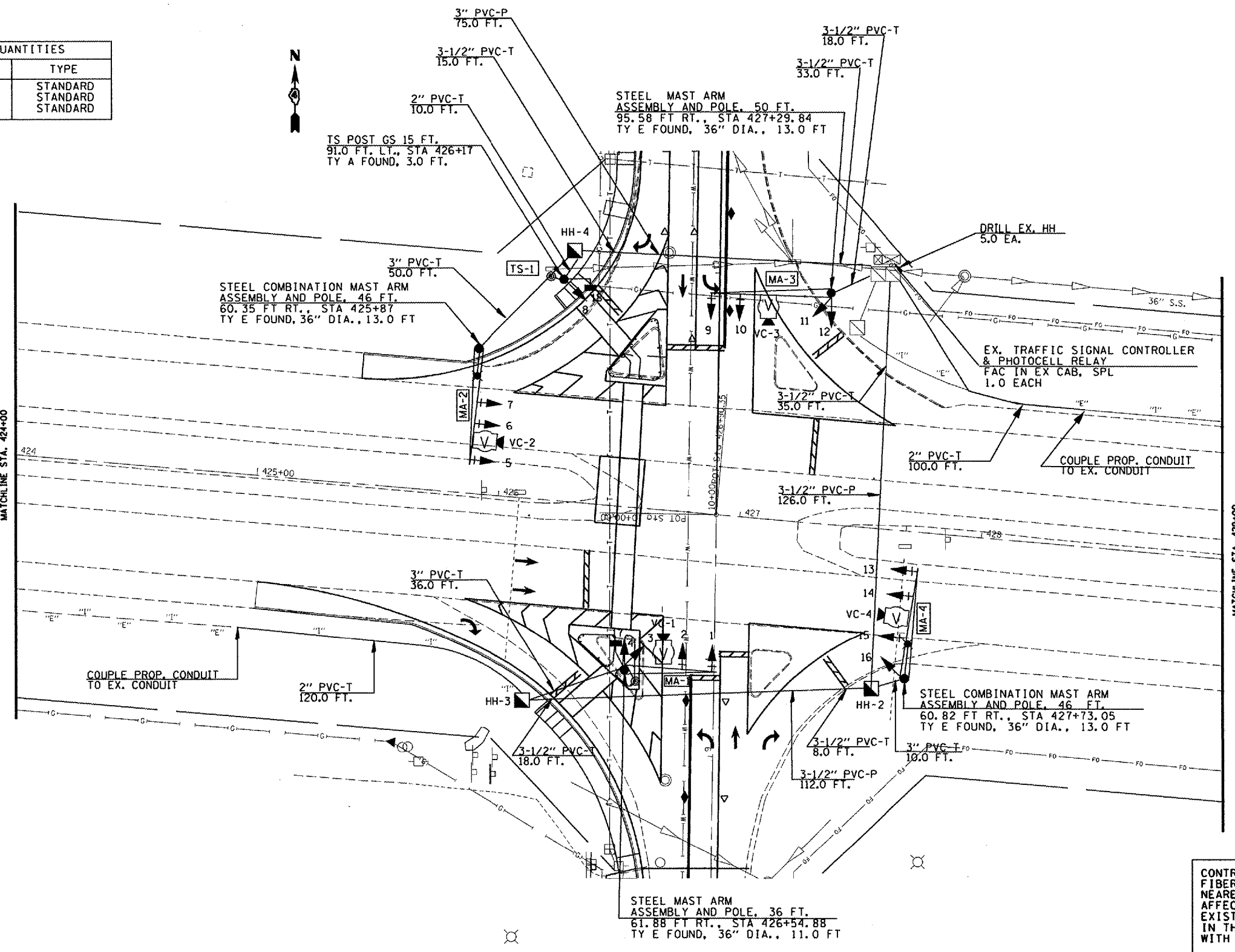
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	1031-3	WARREN		46
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				
CONT. #68356				

REF.	LOCATION	TYPE
HH-2	SE QUADRANT	STANDARD
HH-3	SW QUADRANT	STANDARD
HH-4	NW QUADRANT	STANDARD

	EX. CONCRETE HANDHOLE
	EX. CONTROLLER CABINET
	EX. LIGHTING CONTROLLER
	EX. SERVICE INSTALLATION
	EX. CONDUIT
	FIBER OPTIC CABLE IN EX. CONDUIT
	PROP. CONCRETE HANDHOLE
	PROP. PEDESTRIAN SIGNAL HEAD
	PROP. PEDESTRIAN PUSH BUTTON
	PROP. SIGNAL HEAD WITH BACKPLATE
	PROP. SIGNAL HEAD
	PROP. VIDEO DETECTION CAMERA
	PROP. TRAFFIC SIGNAL POST
	PROP. LUMINAIRE

CONSTRUCTION STAGING NOTES

ALL TRAFFIC SIGNAL WORK MUST BE COMPLETED BEFORE THE INTERSECTION IMPROVEMENTS CAN COMMENCE. IF THE CONTRACTOR ELECTS ALTERNATE STAGING, ALL COSTS ASSOCIATED WITH THE STAGING CHANGE, INCLUDING BUT NOT LIMITED TO TRAFFIC SIGNAL MODIFICATIONS, TEMPORARY CABLE, AND TEMPORARY TRAFFIC SIGNALS, WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



CONTRACTOR TO REMOVE EXISTING FIBER OPTIC CABLE AND LOOP WIRE TO NEAREST HANDHOLE THAT IS NOT AFFECTED BY CONSTRUCTION. THE EXISTING CABLES WILL BE REINSTALLED IN THE EXISTING CONDUITS FOR USE WITH THE PROPOSED TRAFFIC SIGNALS.

REF.	LOCATION	TYPE	LENGTH
TS-1	NW QUADRANT	TS POST GS	15 FT.
MA-1	SW QUADRANT	S MAA & P	36 FT.
MA-2	NW QUADRANT	S COMB MAA & P	46 FT.
MA-3	NE QUADRANT	S MAA & P	50 FT.
MA-4	SE QUADRANT	S COMB MAA & P	46 FT.

QTY	UNIT	ITEM	LOCATION
10.0	EA.	SH, LED, 1F, 3-SEC, MAM	1, 2, 5, 6, 7, 9, 10, 13, 14, 15
4.0	EA.	SH, LED, 1F, 3-SEC, BM	3, 4, 8, 11, 12, 16
10.0	EA.	TRAFFIC SIGNAL BACKPLATE LOUVERED	1, 2, 5, 6, 7, 9, 10, 13, 14, 15
2.0	EA.	SH, LED, 1F, PED, BM	17, 18

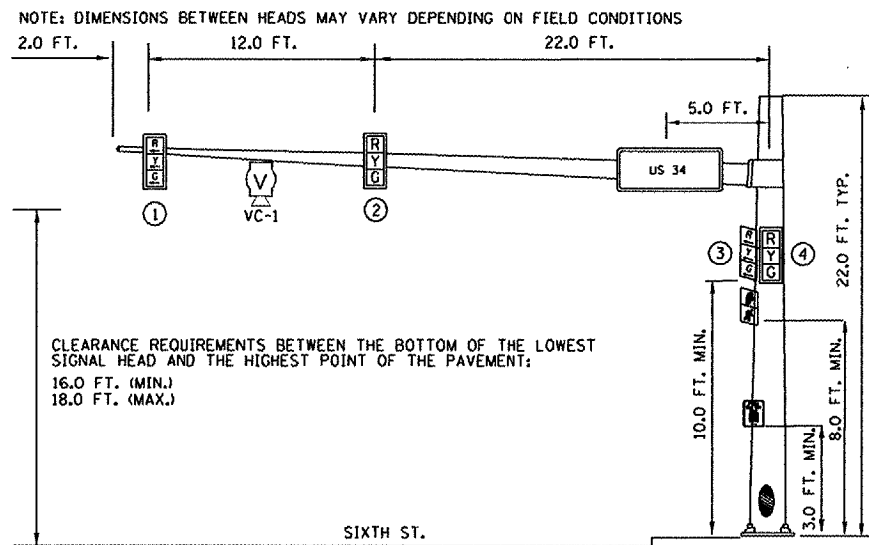
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TRAFFIC SIGNALS
 US 34 & SIXTH ST.
 MONMOUTH
 WARREN COUNTY

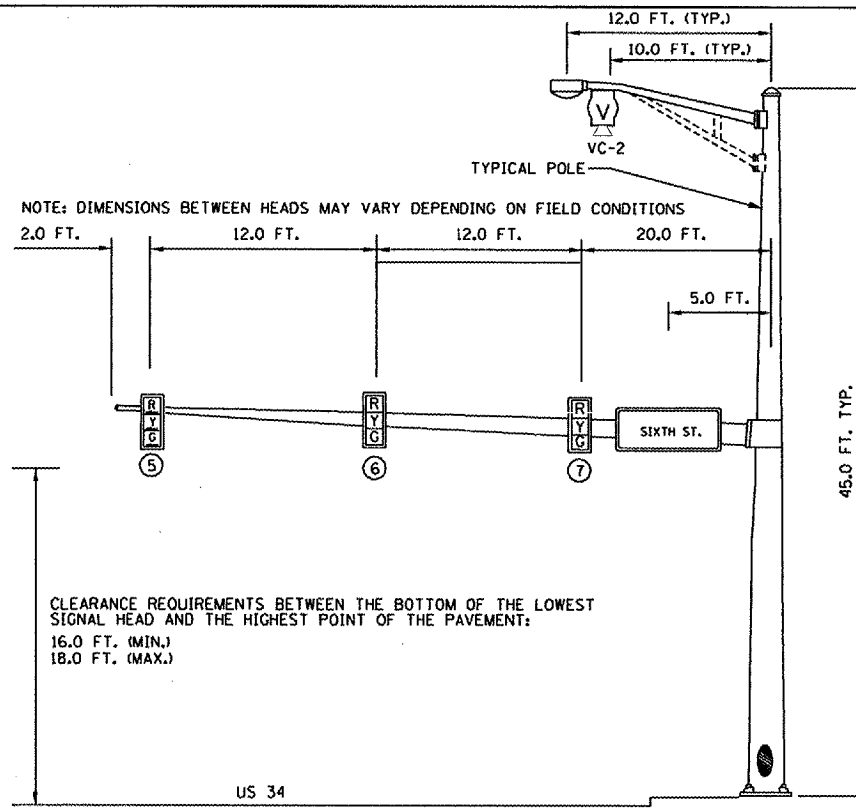
SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

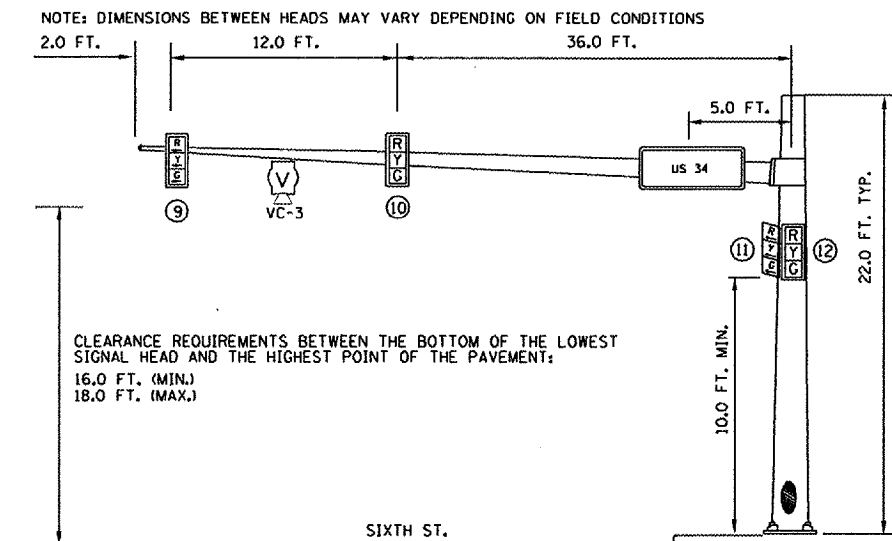
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 DGN-ONLY



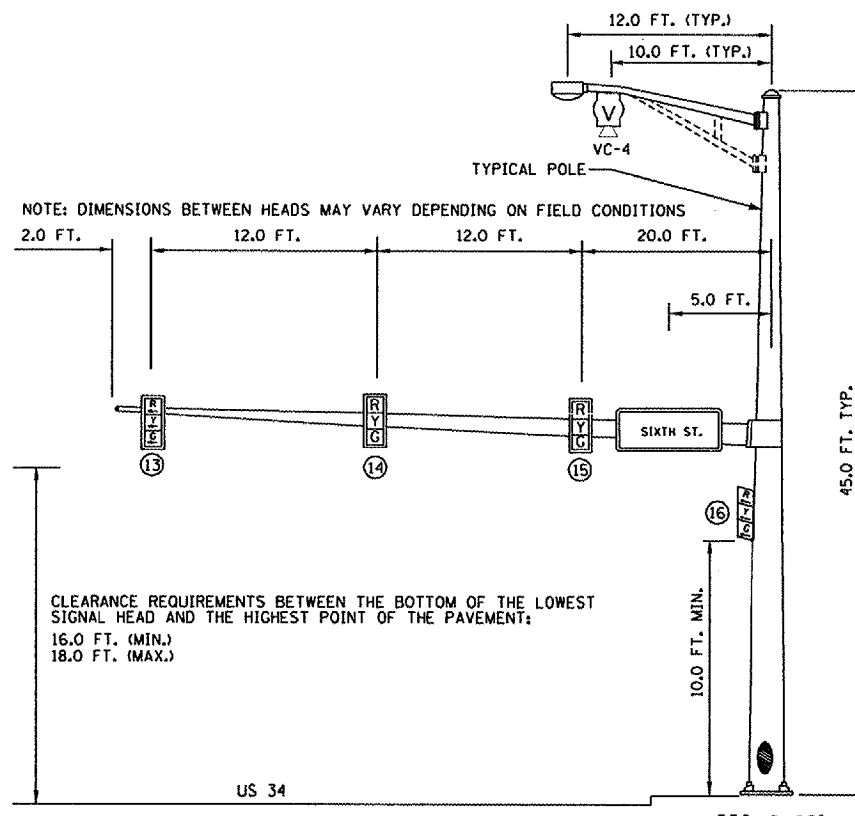
SOUTHBOUND TRAFFIC SIGNAL
SOUTHWEST CORNER OF US 34 & SIXTH ST.



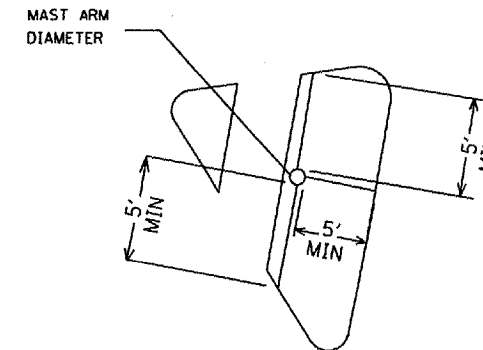
WESTBOUND TRAFFIC SIGNAL
NORTHWEST CORNER OF US 34 & SIXTH ST.



NORTHBOUND TRAFFIC SIGNAL
NORTHEAST CORNER OF US 34 & SIXTH ST.

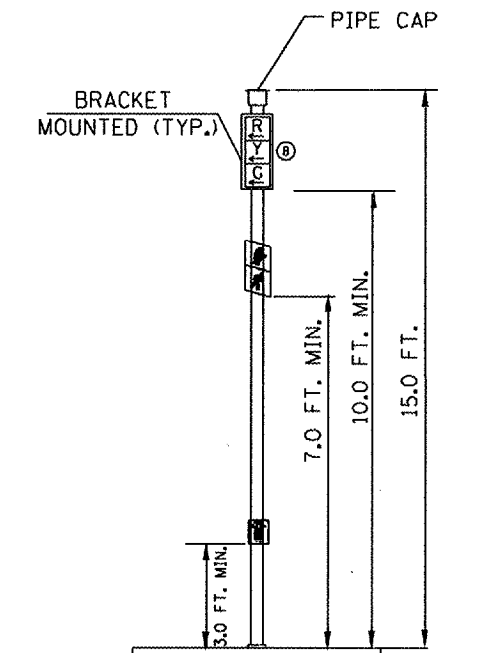


EASTBOUND TRAFFIC SIGNAL
SOUTHEAST CORNER OF US 34 & SIXTH ST.



NOTE: MAST ARM SHALL BE LOCATED A MINIMUM DISTANCE OF 5' FROM THE FACE OF THE MAST ARM TO THE FACE OF THE CURB.

MAST ARM PLACEMENT WITHIN ISLAND



TRAFFIC SIGNAL POST
NORTHWEST CORNER OF US 34 & SIXTH ST.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TRAFFIC SIGNAL
MAST ARM AND POST DETAILS
US 34 & SIXTH ST.
MONMOUTH WARREN COUNTY

SCALE: VERT. 1" = 10'
HORIZ. 1" = 10'
DATE: DRAWN BY: CHECKED BY:

\$\$\$DATE\$\$\$
* DGN-ONLY *

CONSTRUCTION NOTES

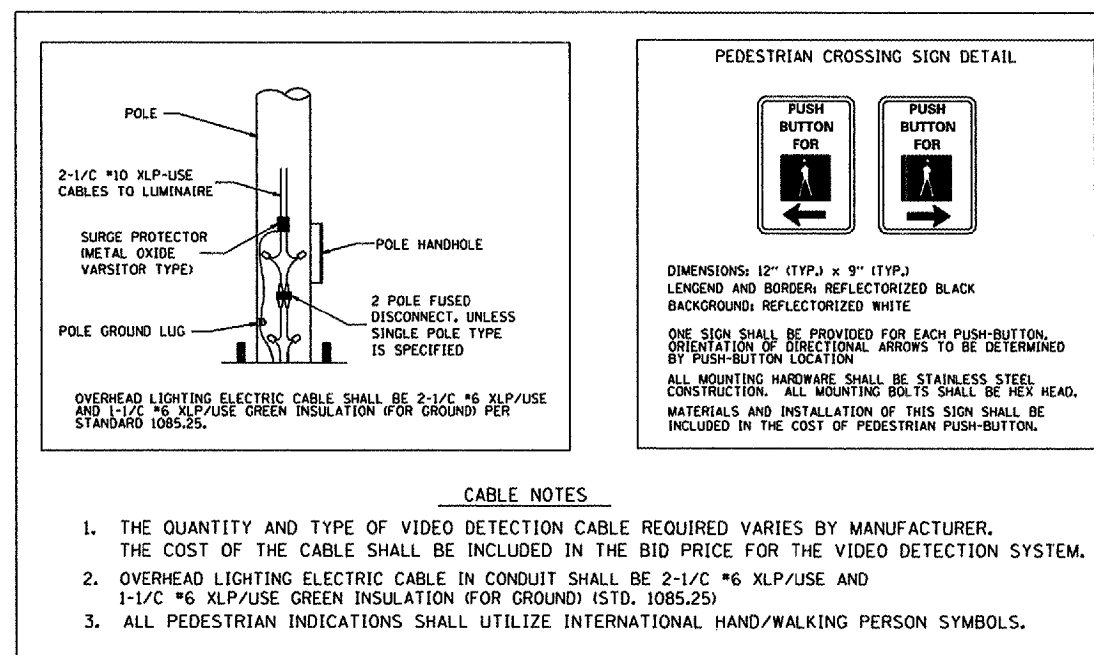
- ALL TRAFFIC SIGNALS AND PEDESTRIAN SECTIONS SHALL HAVE 300MM (12") SINGLE LED LENSES.
- THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 4.88 METER (16 FT.) MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
- THE PROPOSED MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.
- ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE ALUMINUM WITH A NATURAL FINISH.
- ALL TRAFFIC SIGNAL POSTS ARE TO BE GALVANIZED STEEL.
- PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
- THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE.
- THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.
- COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC PUSHED OR TRENCHED.
- THE CONTRACTOR MAY ELECT TO PUSH A CONDUIT THAT IS SHOWN TO BE TRENCHED ON THE PLANS. HOWEVER, THIS WORK WILL BE MEASURED FOR PAYMENT AND PAID FOR AS CONDUIT IN TRENCH OF THE TYPE AND SIZE SPECIFIED AND TRENCH AND BACKFILL FOR ELECTRICAL WORK.
- THE LOCATIONS FOR HANDHOLES, TRAFFIC SIGNAL POST FOUNDATIONS, AND MAST ARM FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
- ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATION.
- THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE TEMPORARY AND/OR PROPOSED TRAFFIC SIGNALS.
- ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS SHALL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- ALL STEEL COMBINATION MAST ARM ASSEMBLY AND POLES SHALL BE EQUIPPED WITH A 12 FT. LUMINAIRE ARM AND HAVE A 45 FT. LUMINAIRE MOUNTING HEIGHT.
- NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 0.6 METER (2 FT.) MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
- ALL TRAFFIC SIGNAL MAST ARMS, POSTS, HANDHOLE LIDS AND RINGS, HANDHOLE FRAMES, CONTROLLER CABINETS, AND PHOTOCELL RELAYS SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS.
- THE PROPOSED CONDUIT SHALL BE COUPLED TO THE EXISTING CONDUIT. THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE CONDUIT PAY ITEMS.
- ALL VIDEO CAMERAS MOUNTED ON MAST ARMS SHALL BE EQUIPPED WITH A BRACKET THAT PROVIDES AN ADDITIONAL FOUR FEET OF VERTICAL HEIGHT. THE COST OF FURNISHING AND INSTALLING THESE BRACKETS SHALL BE INCLUDED IN THE BID PRICE FOR THE VIDEO DETECTION SYSTEM.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC, RANDY LANINGA, AT (309) 671-4477 TO OBTAIN APPROVAL FOR ALL MAST ARM AND TRAFFIC SIGNAL POST FOUNDATION LOCATIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE LIABLE FOR ALL COSTS REQUIRED TO REMOVE OR RELOCATE FACILITIES THAT WERE CONSTRUCTED WITHOUT OBTAINING LOCATION APPROVAL.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC, RANDY LANINGA, AT (309) 671-4477 TO OBTAIN APPROVAL FOR ALL CAMERA LOCATIONS PRIOR TO INSTALLATION. THE CONTRACTOR SHALL BE LIABLE FOR ALL COSTS REQUIRED TO REMOVE OR RELOCATE CAMERAS THAT WERE INSTALLED WITHOUT OBTAINING APPROVAL.

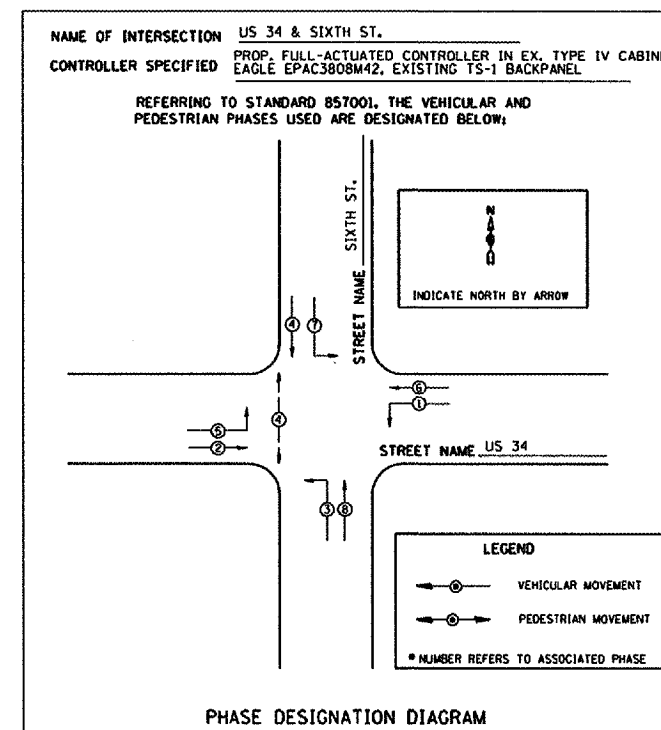
CONSTRUCTION STAGING NOTES

ALL TRAFFIC SIGNAL WORK MUST BE COMPLETED BEFORE THE INTERSECTION IMPROVEMENTS CAN COMMENCE. IF THE CONTRACTOR ELECTS ALTERNATE STAGING, ALL COSTS ASSOCIATED WITH THE STAGING CHANGE, INCLUDING BUT NOT LIMITED TO TRAFFIC SIGNAL MODIFICATIONS, TEMPORARY CABLE, AND TEMPORARY TRAFFIC SIGNALS, WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

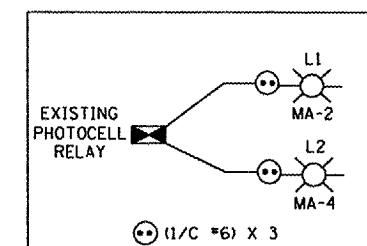


CABLE NOTES

- THE QUANTITY AND TYPE OF VIDEO DETECTION CABLE REQUIRED VARIES BY MANUFACTURER. THE COST OF THE CABLE SHALL BE INCLUDED IN THE BID PRICE FOR THE VIDEO DETECTION SYSTEM.
- OVERHEAD LIGHTING ELECTRIC CABLE IN CONDUIT SHALL BE 2-1/2\"/>



LIGHTING CIRCUIT DIAGRAM



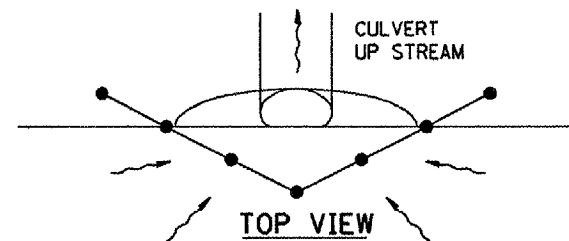
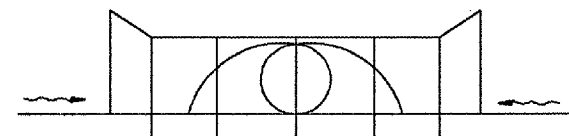
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED TRAFFIC SIGNAL NOTES,
 DIAGRAMS AND DETAILS
 US 34 & SIXTH ST.
 MONMOUTH WARREN COUNTY

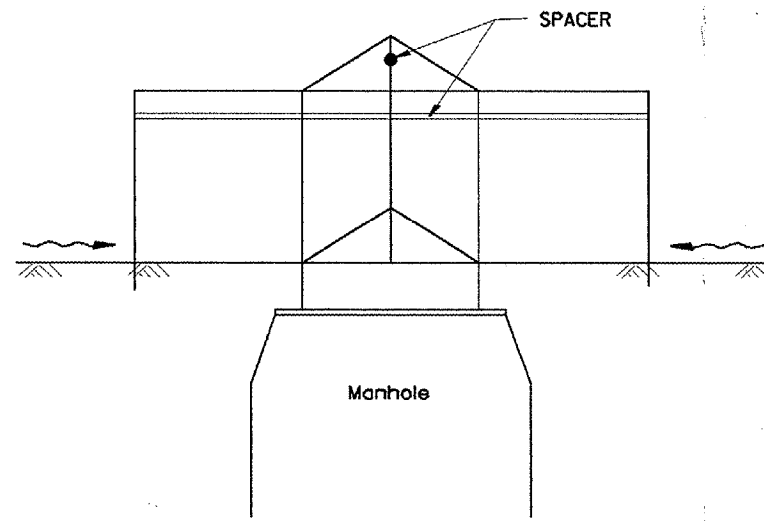
SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

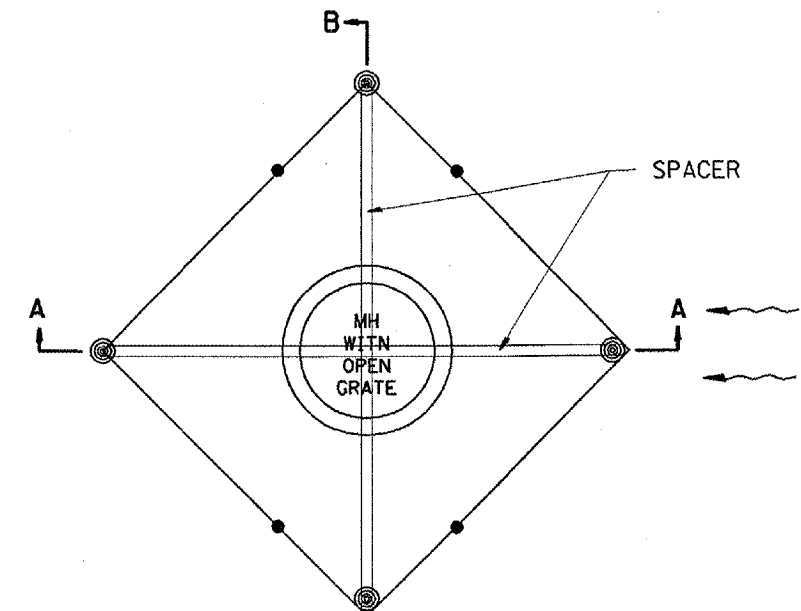
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313	103N-1,TS	WARREN		50
STA. TO STA.				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



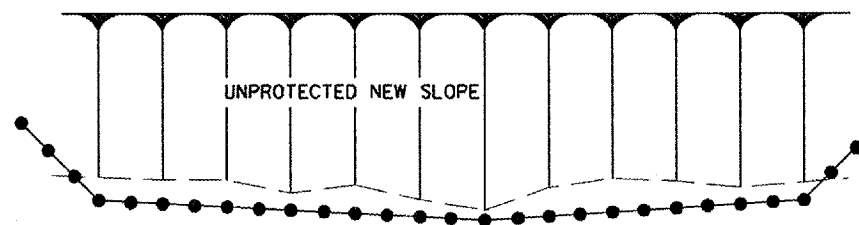
UPSTREAM PIPE CULVERT EROSION CONTROL



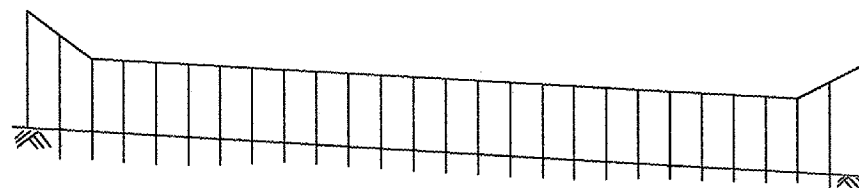
SIDE VIEW
A-A



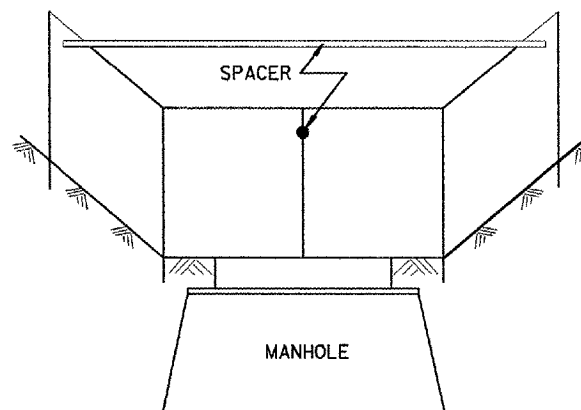
TOP VIEW



TOP VIEW



FRONT VIEW



Front View
B-B

EROSION CONTROL
AT
OPEN GRATE MAN HOLE

GENERAL NOTES:

1. This work shall be performed in accordance with Sections 280 & 1081, of the Standard Specifications.
2. Additional Timber or Metal Post shall be Installed, as needed.

All dimensions are in millimeters (Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
SPECIAL DETAIL SHEET

TYPICAL APPLICATION
OF
SILT FILTER FENCE

CADD DETAIL 280001-D4 DRAWN BY CADD
SCALE: NOT DRAWN TO SCALE CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. A-12.05, NEW REVISION BOX	T.P.
3-11-03	ELIMINATED SILT FENCE DITCH CHECK	M.M.A.

\$\$\$DATE\$\$\$

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		51
STA.	TO STA.			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

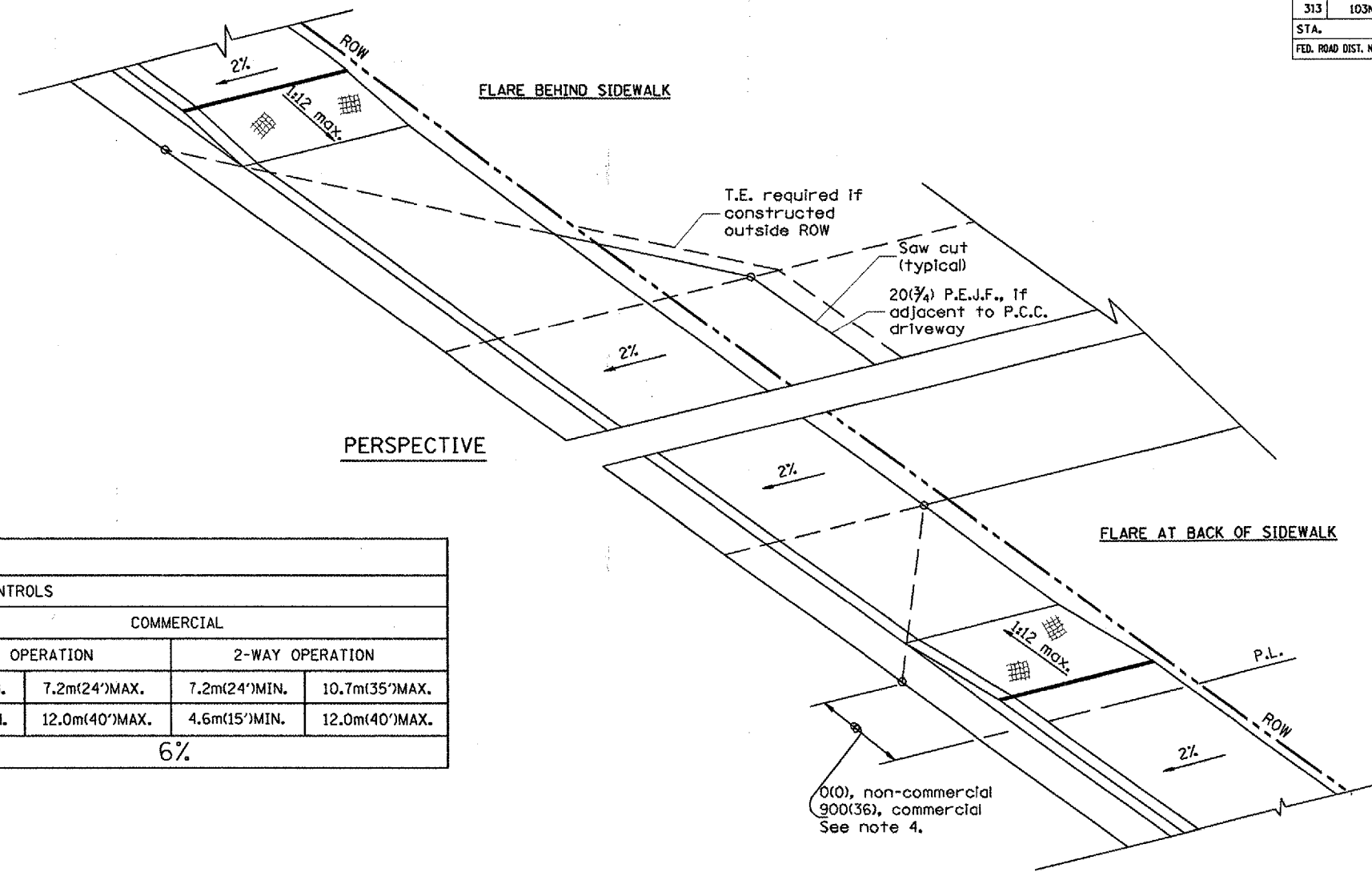
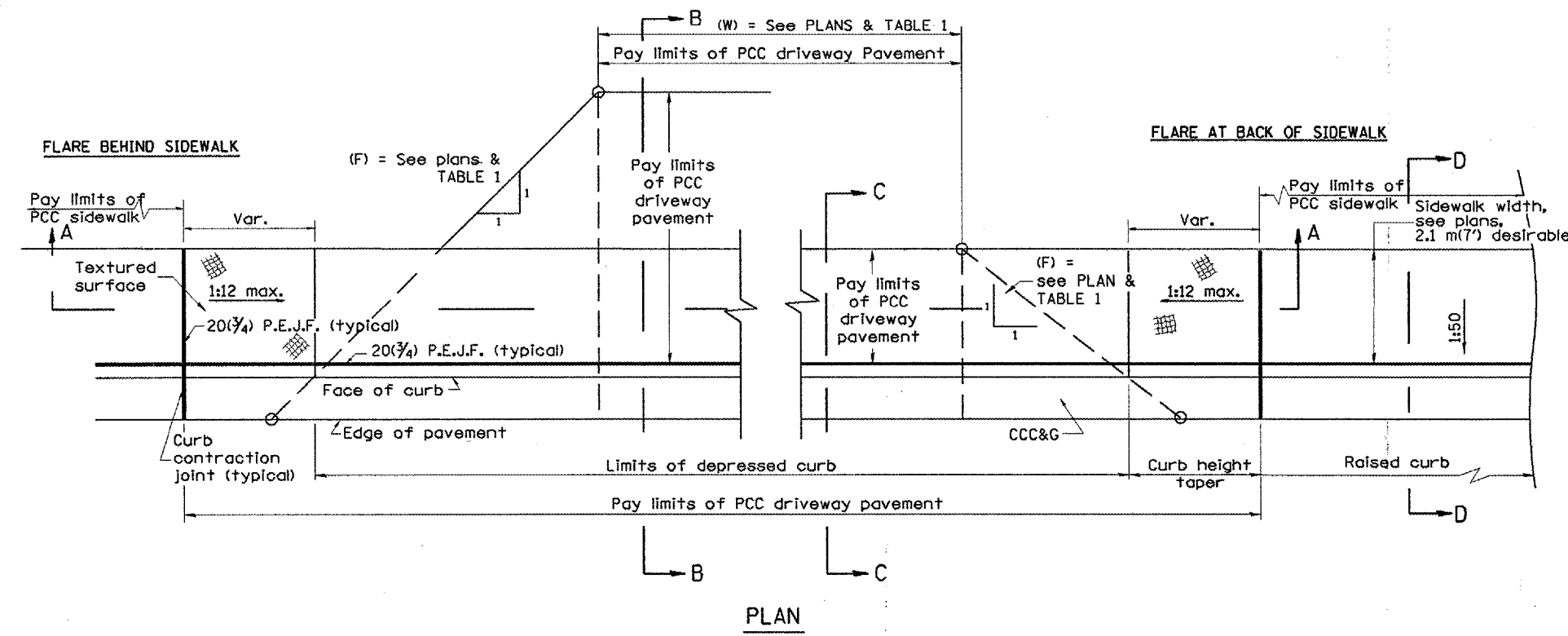


TABLE 1
URBAN ENTRANCE DESIGN CONTROLS

ELEMENT	NON-COMMERCIAL		COMMERCIAL			
			1-WAY OPERATION		2-WAY OPERATION	
WIDTH (W)	3.6m(12')MIN.	7.2m(24')MAX.	4.3m(14')MIN.	7.2m(24')MAX.	7.2m(24')MIN.	10.7m(35')MAX.
RADIUS EQUIVALENT 1:1 FLARE (F)	1.5m(5')MIN.	7.6m(25')MAX.	4.6m(15')MIN.	12.0m(40')MAX.	4.6m(15')MIN.	12.0m(40')MAX.
MAX. GRADE (G)	8%		6%			



GENERAL NOTES

1. Refer to State Standard 424001 for texturing and other disabled accessibility design elements.
2. The sidewalk area located within the pay limits of P.C.C. Driveway Pavement will be of the same thickness and construction as the P.C.C. Driveway Pavement.
3. Combination Concrete Curb & Gutter shall be depressed in accordance with Standard 606001.
4. Exceptions to the radius flare/property line relationship are as shown in the plans for common entrances, with jointly executed access permits.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

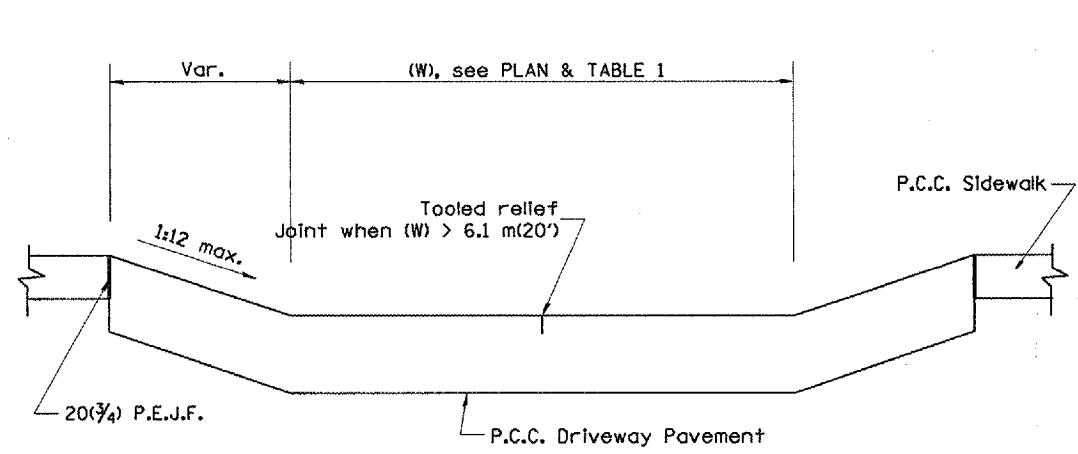
URBAN ENTRANCES ACCESSIBLE TO THE DISABLED FOR CURBLINE SIDEWALKS

CADD STD NO. 423101-D4 SHEET 1 OF 2
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD CHECKED BY: T. PICKERING
DATE **DATE**

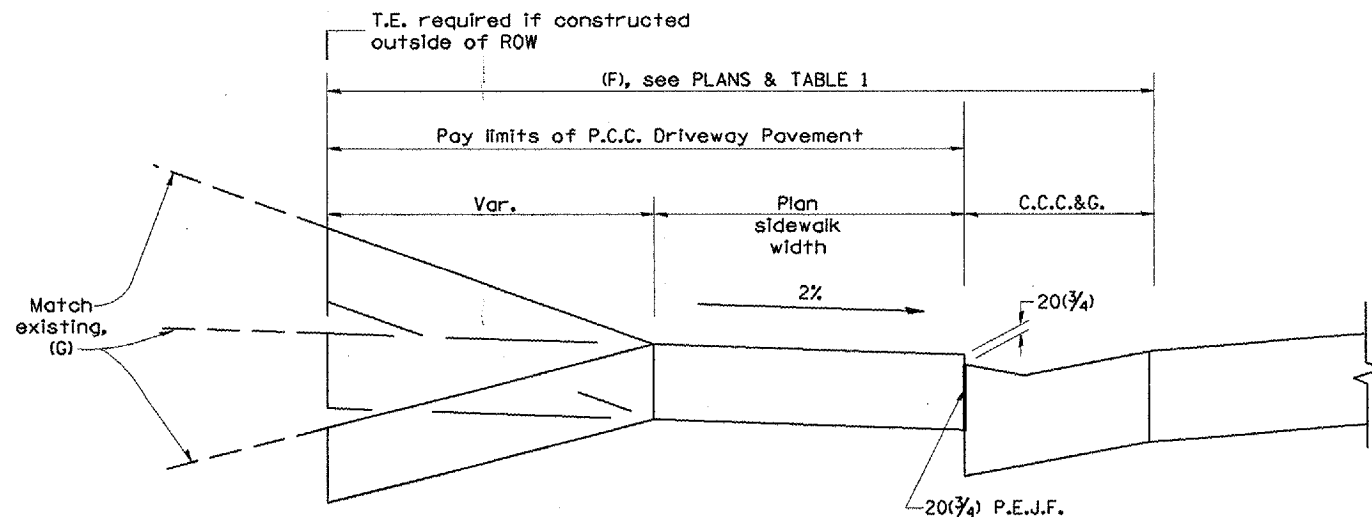
DATE	REVISIONS	BY
1-1-97	RENUM. C-103.02, NEW REVISION BOX,	T.P.
9-15-05	REVISED GENERAL NOTES	
	REVISED DESIGNER NOTE	M.M.A.

DATE

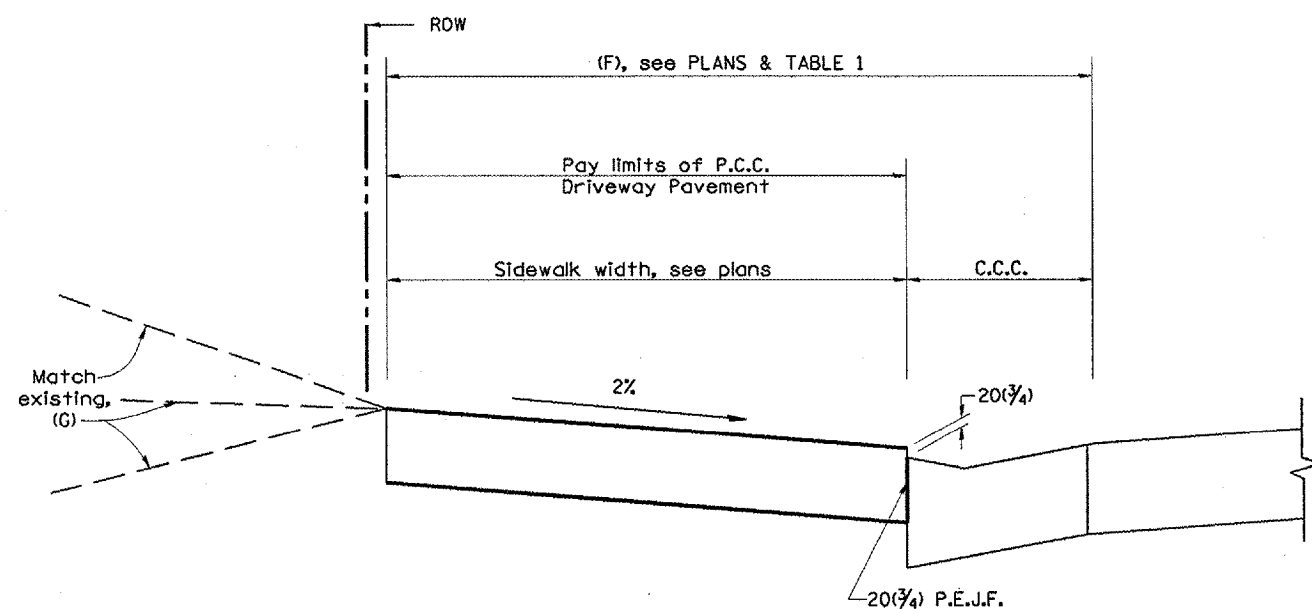
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,1S	WARREN		52
STA.	TO STA.			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



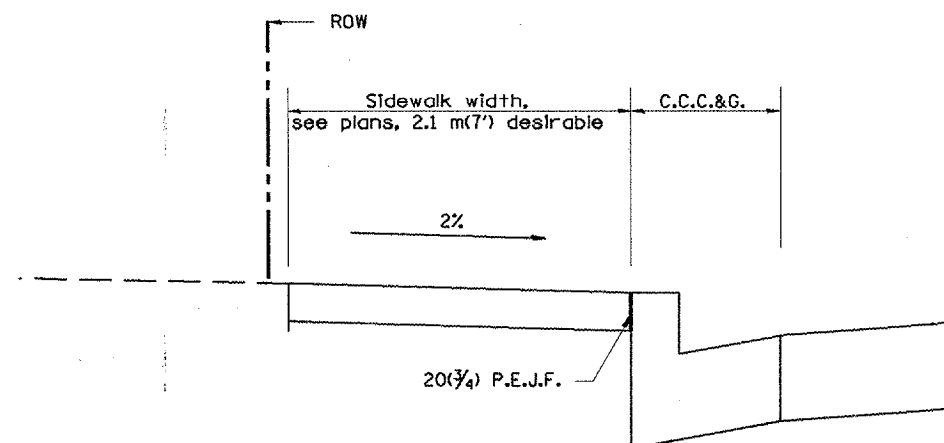
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

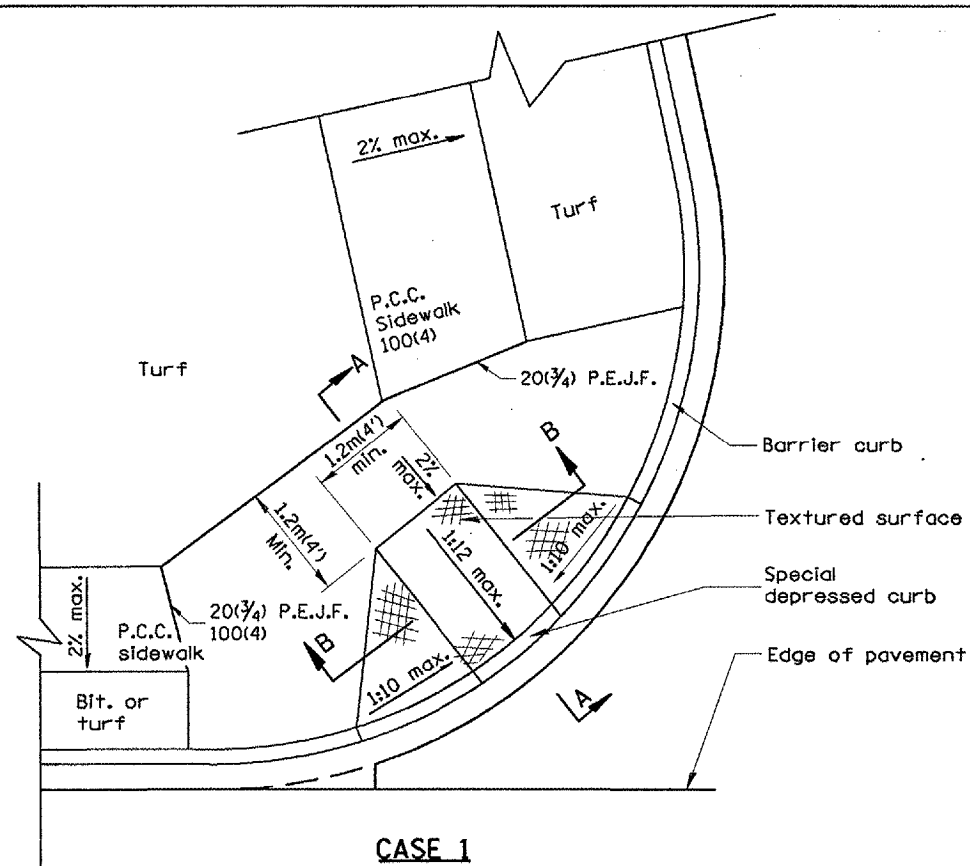
All dimensions are in millimeters (inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD
 URBAN ENTRANCES ACCESSIBLE TO THE DISABLED FOR CURBLINE SIDEWALKS
 CADD STD NO. 423101-D4 SHEET 2 OF 2
 SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
 DATE **DATE** CHECKED BY

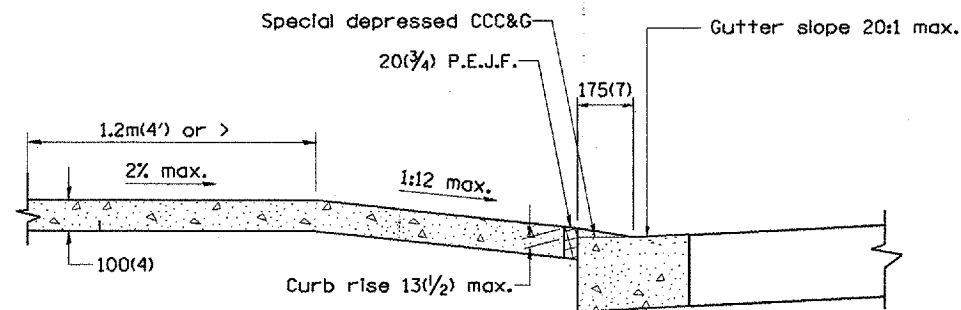
DATE

DGN-ONLY

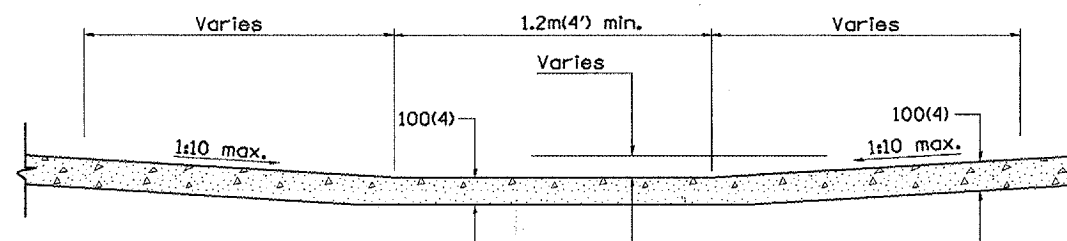
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STAL	TO STA.			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



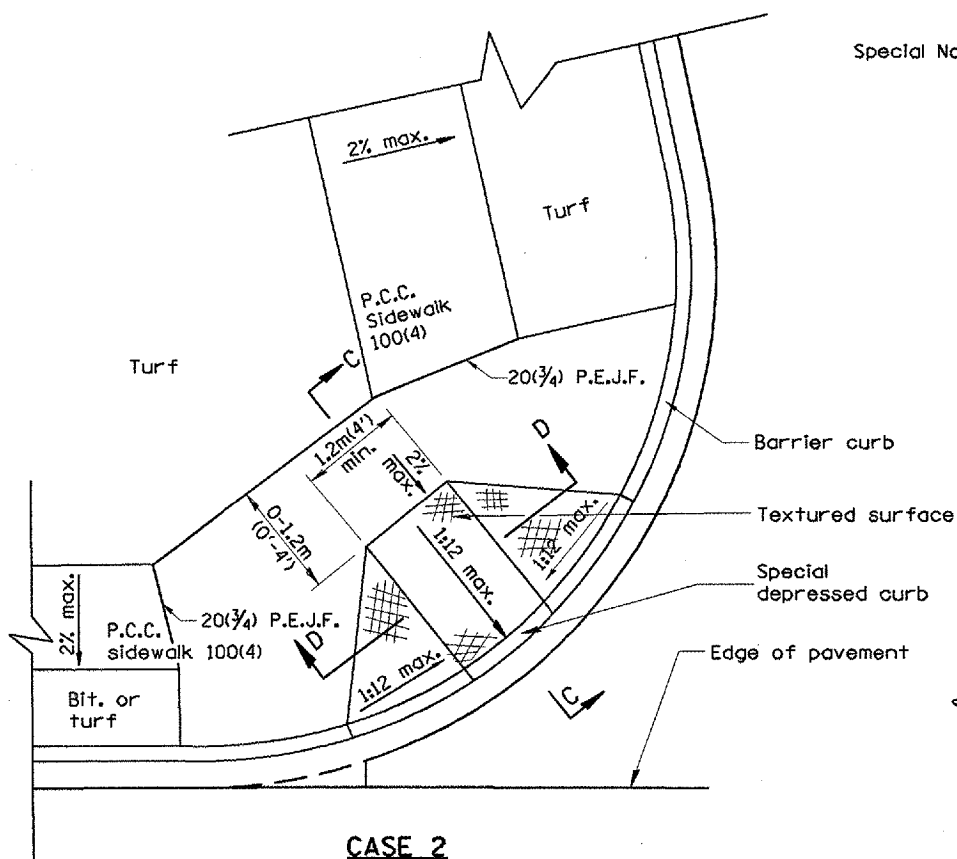
CASE 1
TYPE B RAMP WITH 1.2m(4') OR MORE AT BACK OF RAMP



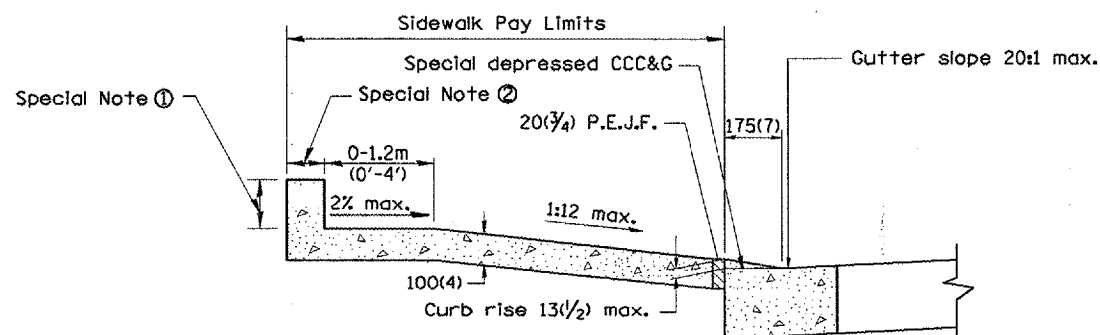
SEC. A-A



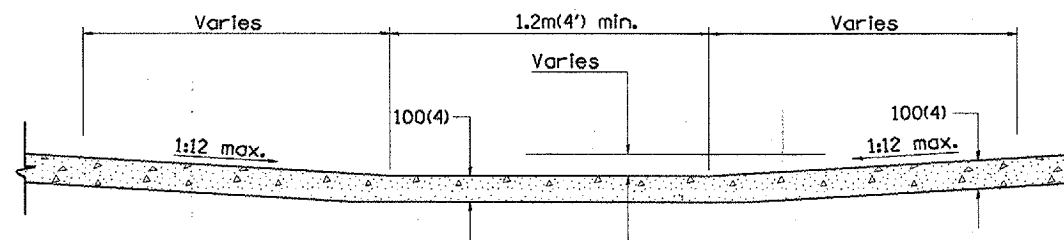
SEC. B-B



CASE 2
TYPE B RAMP WITH LESS THAN 1.2m(4') AT BACK OF RAMP



SEC. C-C



SEC. D-D

GENERAL NOTES

1. Refer to State Standard 424001 for texturing and other design elements.
2. The controls shown on this standard are applicable to Type B Curb and Combination Concrete Curb & Sidewalk construction.
3. The maximum length of texturing shall be 1.8m(6') unless otherwise shown.

SPECIAL NOTES

- ① Variable height edge treatment as required to match existing conditions.
Maximum height = 225(9)
- ② 100(4) wall to be built outside of plan sidewalk width, if ROW allows.

All dimensions are in millimeters (Inches) unless otherwise noted.

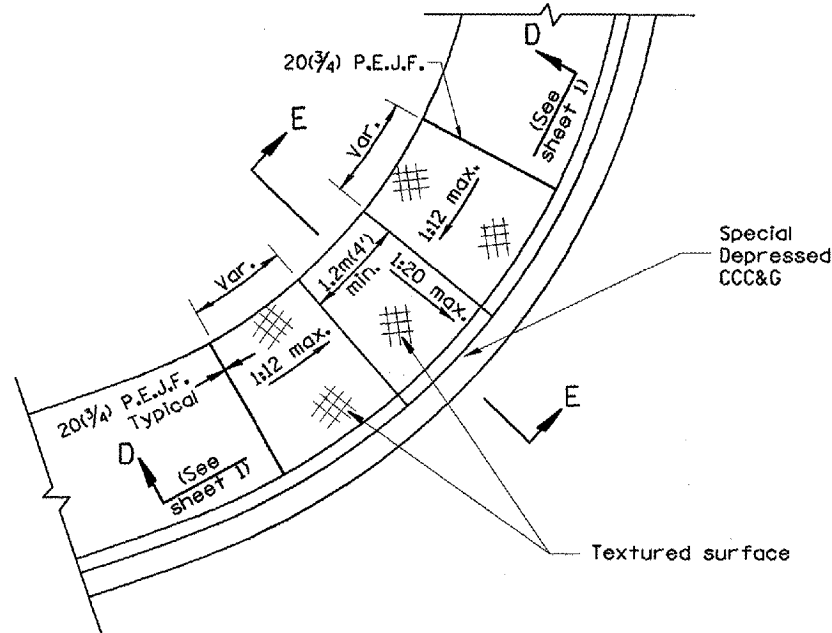
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED

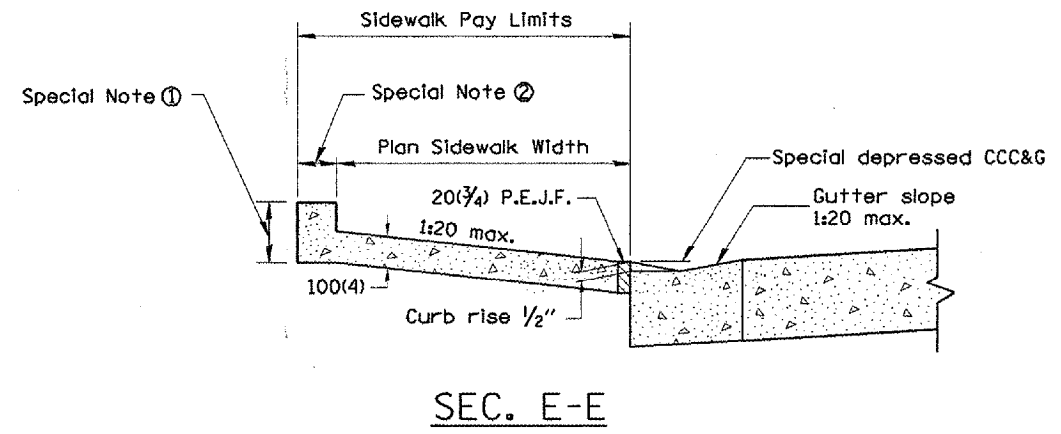
CADD std. NO. 424001-D4 SHEET 1 of 2
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
DATE **DATE** CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. A-5.01, NEW REVISION BOX, REVISED TITLE.	T.P.
9-15-05	REVISED DESIGNER NOTE	M.M.A.

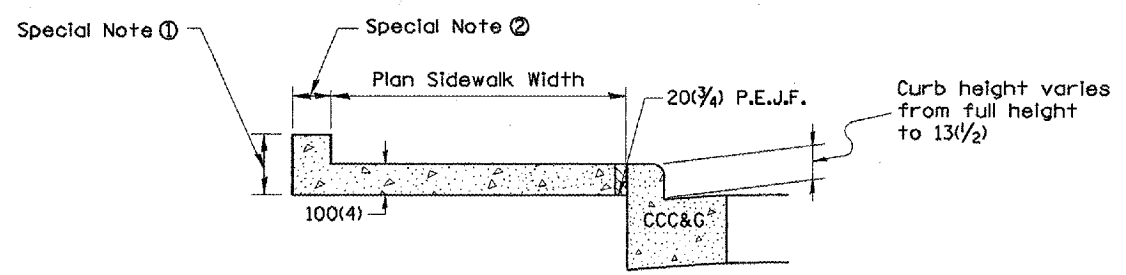
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1TS	WARREN		54
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



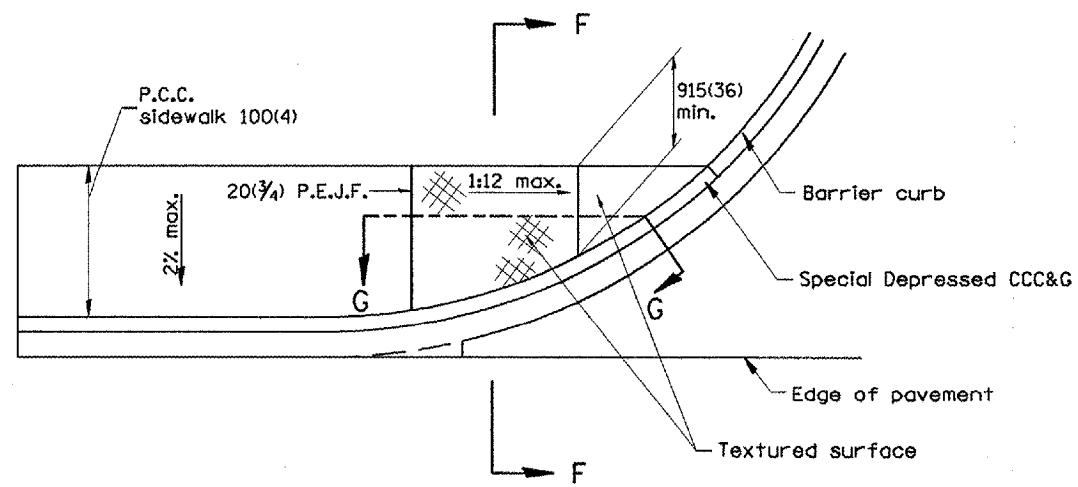
CASE 3
TYPE B DIAGONAL RAMP WITH CURBLIN SIDEWALK



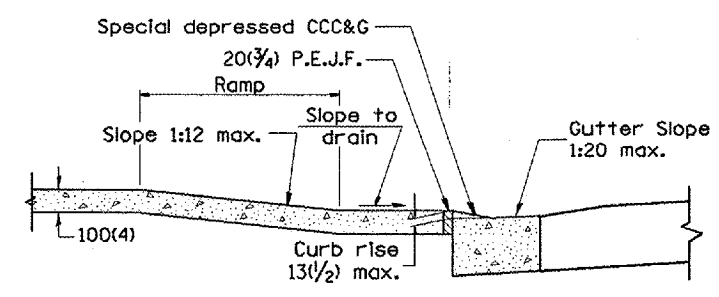
SEC. E-E



SEC. F-F



CASE 4
TYPE B RAMP WITH CURBLIN SIDEWALK



SEC. G-G

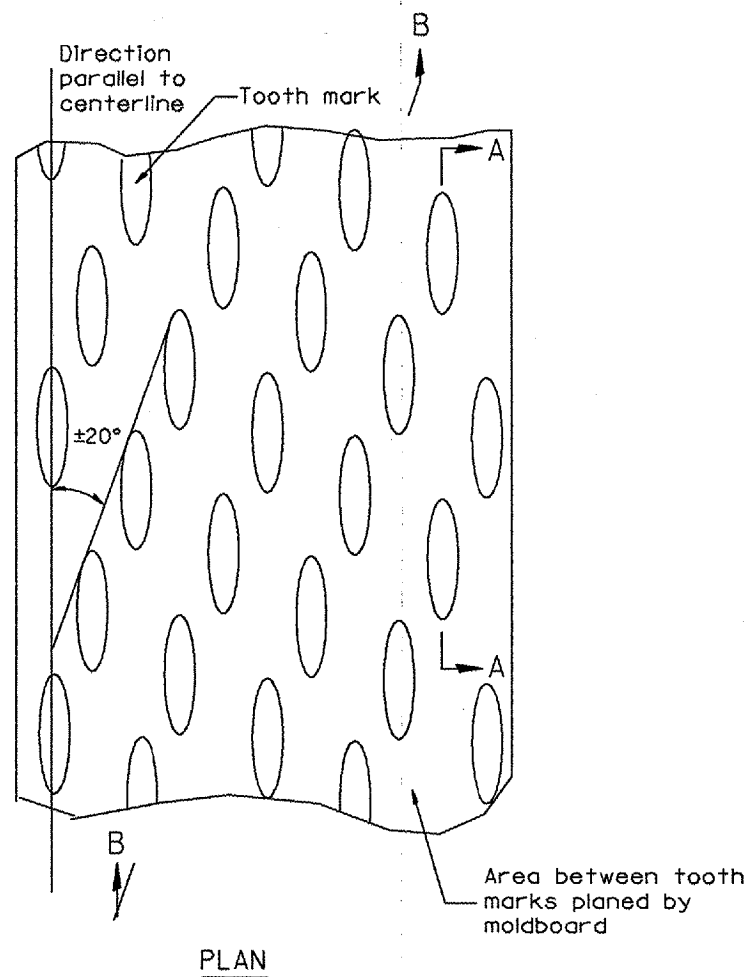
All dimensions are in millimeters (inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED	
CADD std. NO. 424001-D4	SHEET 2 of 2
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE **DATE**	CHECKED BY

DATE

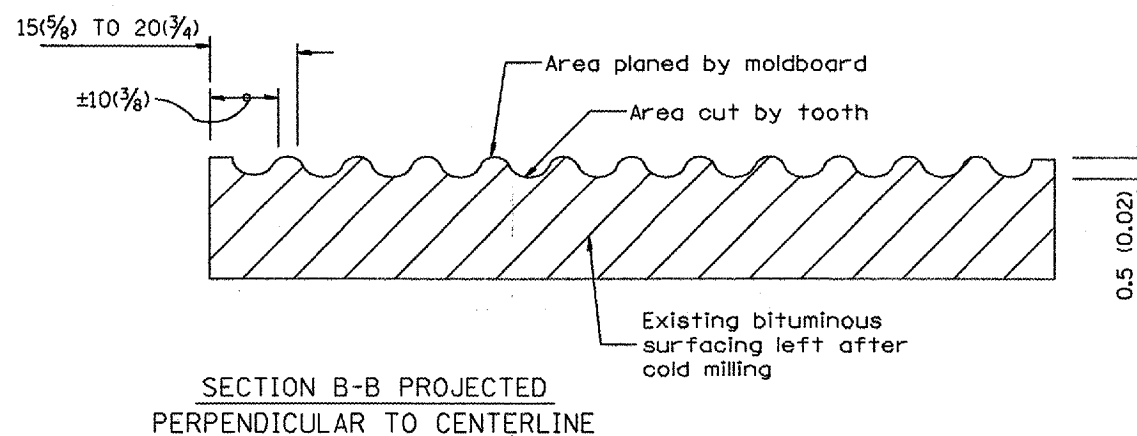
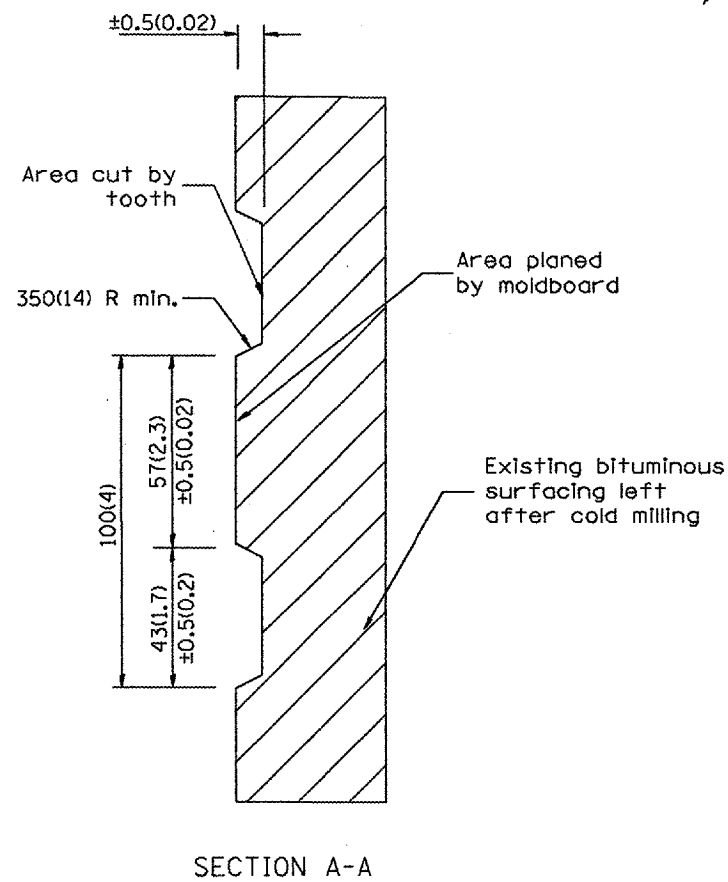
DGN-ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		55
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

BITUMINOUS SURFACE REMOVAL
(COLD MILLING)

CADD STD NO. 440001-D4

SCALE: NOT DRAWN TO SCALE

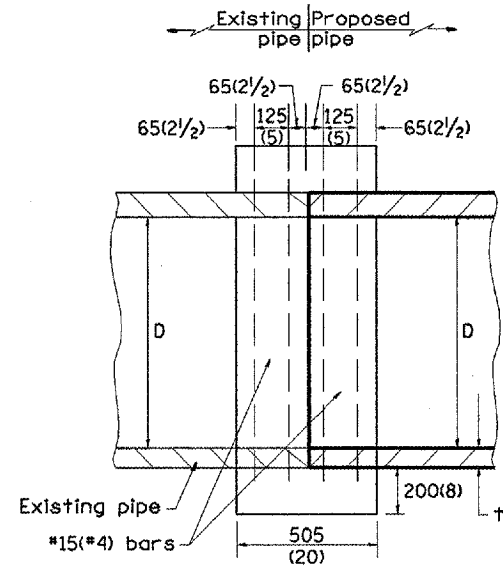
DRAWN BY CADD

DATE **DATE**

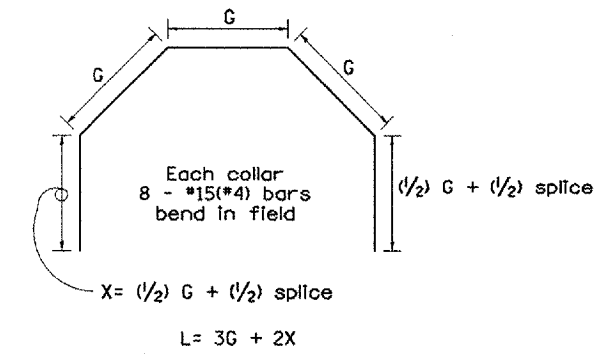
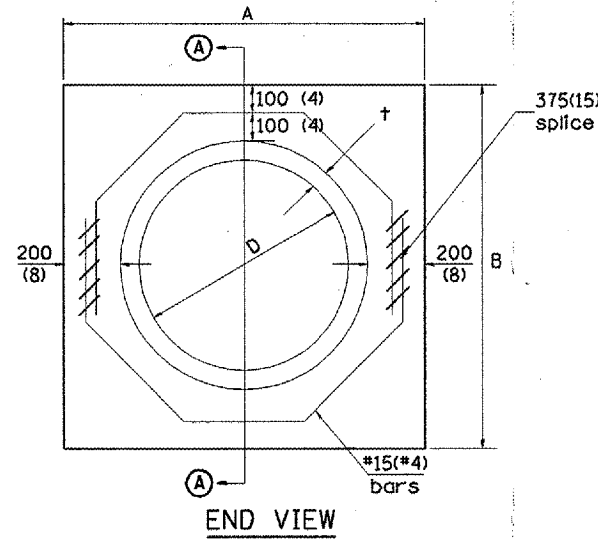
CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. C-104.01, NEW REVISION BOX	T. P.
4-20-98	REMOVED MILLING DETAIL FROM STD.	J.
9-08-98	CORRECT NOTE LEADER PLACEMENT	R. W.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		56
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



SECTION A - A



Each Collar									
Reinforcement Bars									
D	†	A	B	CL. SI CONC.	G	X	L	Weight	
m (in)	m (in)	m (ft)	m (ft)	m ³ (cu. yd)	m (in)	m (in)	m (ft)	kg (lb)	
300 (12)	51 (2.00)	0.814 (2.67)	0.814 (2.67)	0.270 (0.4)	253 (9 15/16)	317 (12 1/16)	1.393 (4.57)	11 (24)	
375 (15)	57 (2.25)	0.902 (2.96)	0.902 (2.96)	0.315 (0.4)	290 (11 3/8)	335 (13 3/16)	1.541 (5.05)	12 (27)	
450 (18)	64 (2.50)	0.991 (3.25)	0.991 (3.25)	0.362 (0.5)	327 (12 13/16)	354 (13 7/8)	1.689 (5.54)	14 (30)	
525 (21)	70 (2.75)	1.079 (3.54)	1.079 (3.54)	0.411 (0.5)	364 (14 1/4)	372 (14 5/8)	1.836 (6.02)	15 (32)	
600 (24)	76 (3.00)	1.167 (3.83)	1.167 (3.84)	0.460 (0.6)	401 (15 11/16)	391 (15 5/16)	1.984 (6.51)	16 (35)	
675 (27)	83 (3.25)	1.259 (4.13)	1.259 (4.13)	0.516 (0.7)	438 (17 1/4)	409 (16 1/16)	2.131 (6.99)	17 (37)	
750 (30)	89 (3.50)	1.347 (4.42)	1.347 (4.42)	0.570 (0.7)	475 (18 11/16)	428 (16 3/4)	2.279 (7.48)	18 (40)	
825 (33)	95 (3.75)	1.436 (4.71)	1.436 (4.71)	0.624 (0.8)	512 (20 1/8)	446 (17 1/2)	2.426 (7.96)	19 (43)	
900 (36)	102 (4.00)	1.524 (5.00)	1.524 (5.00)	0.682 (0.9)	549 (21 9/16)	465 (18 3/16)	2.574 (8.44)	20 (45)	
1050 (42)	114 (4.50)	1.701 (5.58)	1.701 (5.58)	0.800 (1.0)	622 (24 7/16)	501 (19 3/4)	2.869 (9.41)	23 (50)	
1200 (48)	127 (5.00)	1.881 (6.17)	1.881 (6.17)	0.930 (1.2)	696 (27 5/16)	538 (21 3/16)	3.164 (10.38)	25 (55)	

GENERAL NOTES

1. THE COLLAR SHALL BE CONSTRUCTED ENTIRELY OF CLASS SI CONCRETE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS. REINFORCEMENT BARS SHALL CONFORM TO SECTION 508.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

PIPE CULVERT
EXTENSION COLLAR
(WITHOUT END SECTION)

CADD STANDARD 542016-D4

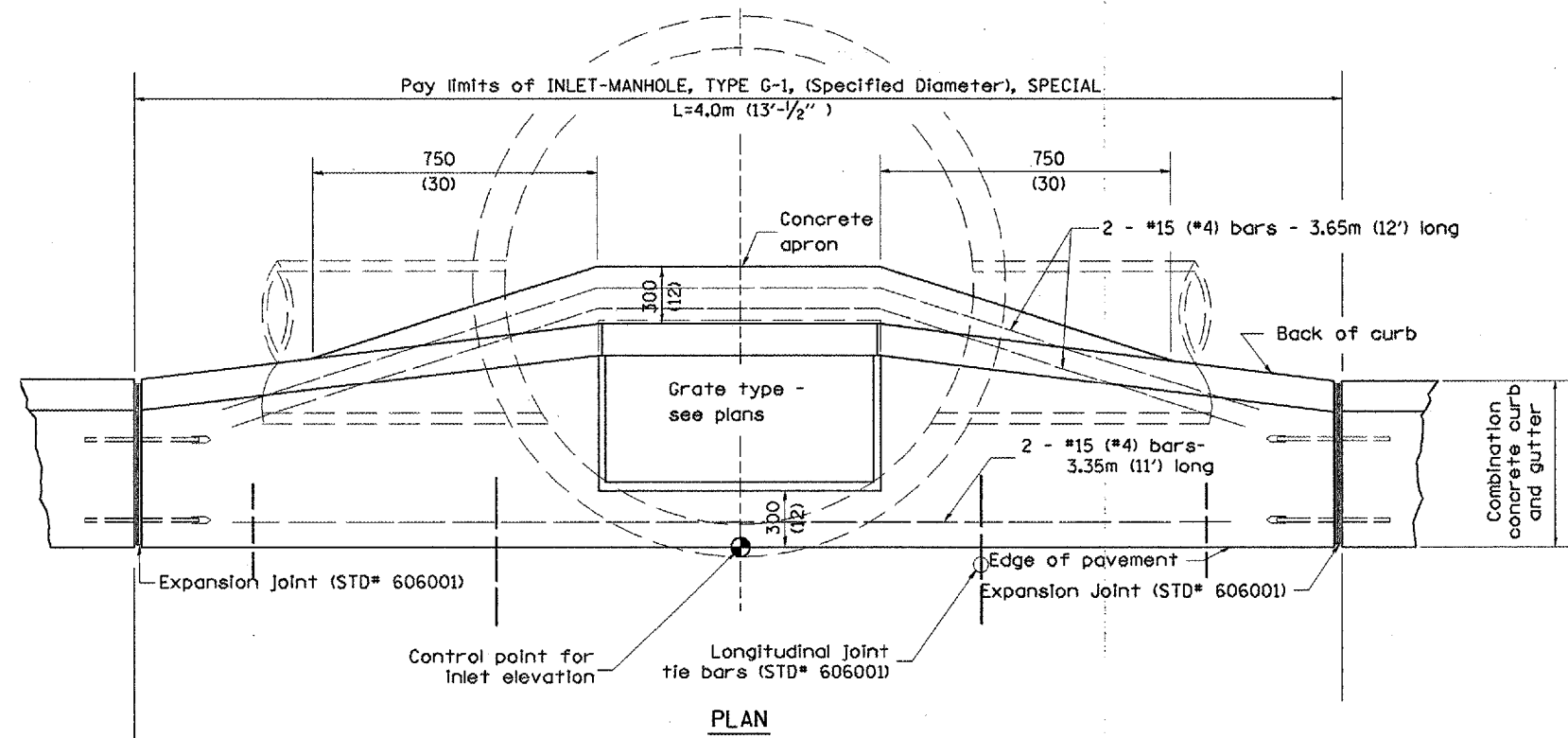
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DATE: **DATE**
DRAWN BY: CADD
CHECKED BY:

DATE	REVISIONS	BY
1-1-97	RENUM. B-8.03, NEW REVISION BOX ADDED QUANTITY CALCULATION BOX, REVISED TITLE BOX	T.P.
4-1-97	CORRECT BAR	J.A.
2-10-98	REVISE QUANTITIES	J.A.
9-1-00	CORRECT WEIGHT	J.A.

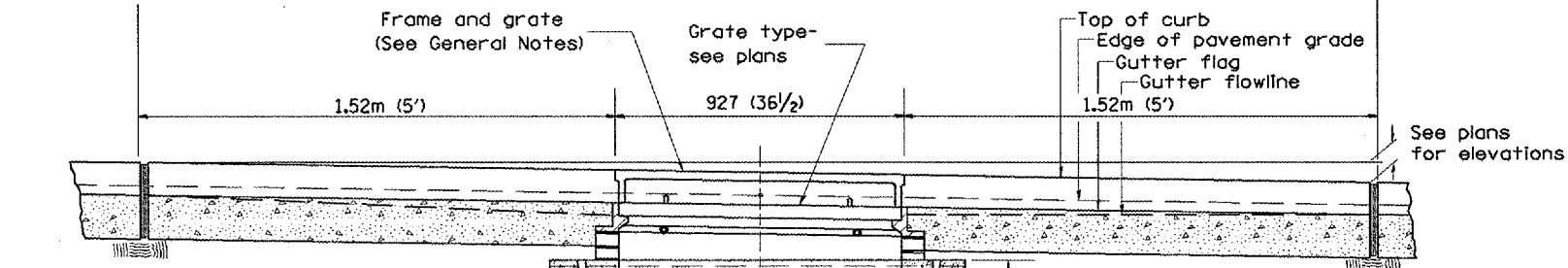
QUANTITIES	
CALC. BY: R. J. D.	2-2-98
CHECKED BY: R. D. H.	2-6-98
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE, BUREAU OF PROJECT IMPLEMENTATION, DOCUMENTATION SECTION	

DGN-ONLY

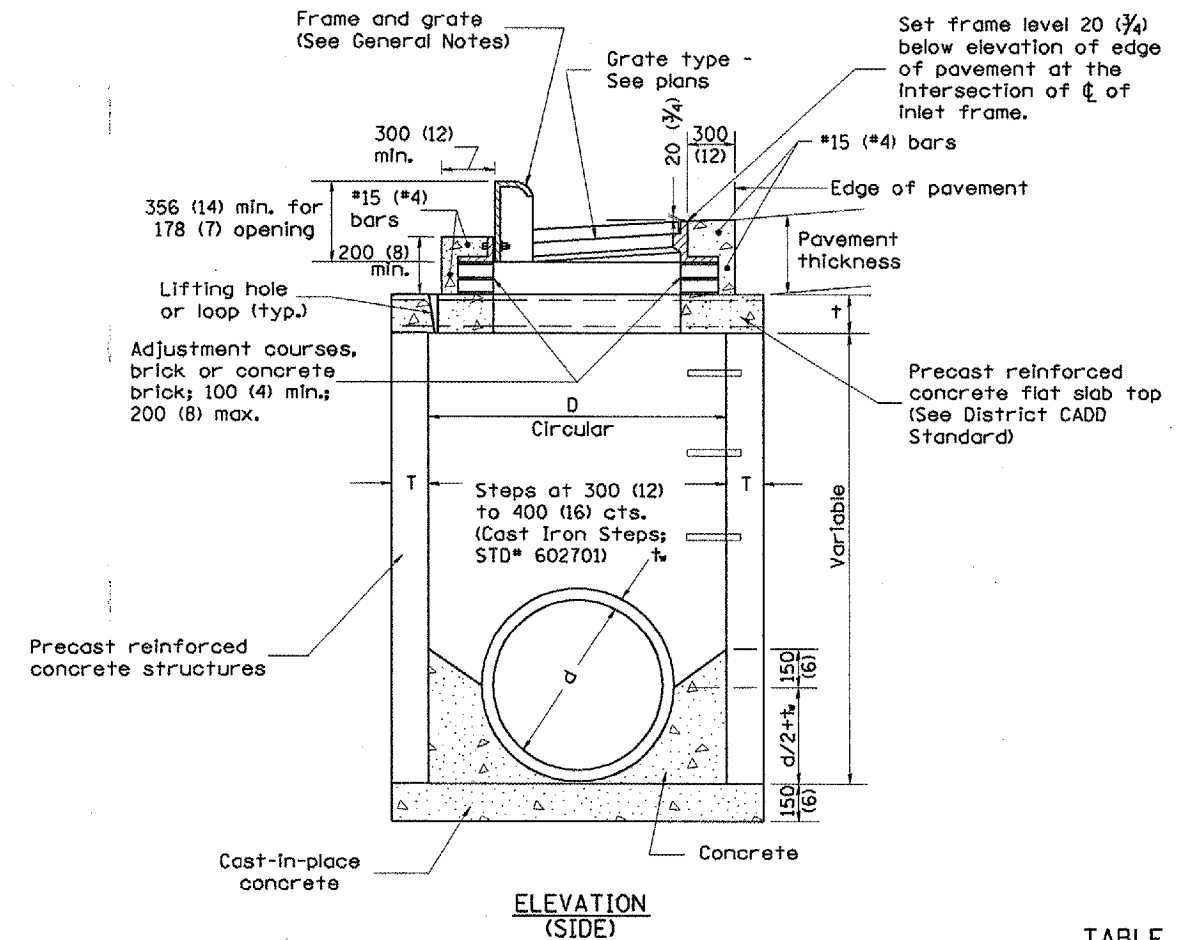
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		57
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



PLAN



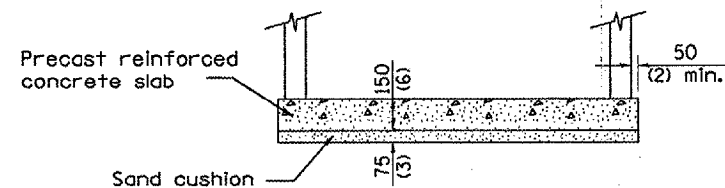
ELEVATION (SIDE)



Precast reinforced concrete flat slab top (See District CADD Standard)

Precast reinforced concrete sections

ELEVATION (FRONT)



Prefabricated concrete slab, when the precast reinforced concrete section alternate is used.

ALTERNATE BOTTOM SLAB

GENERAL NOTES

- Inlet-manhole construction shall be in accordance with Section 602 of the Standard Specifications.
- Combination concrete curb and gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
- See District CADD Standard 604001-D4 for frame and grates.
- See District CADD Standard for precast reinforced concrete flat slab top.

TABLE

D	T	+
1.2m (4')	125 (5)	150 (6)
1.5m (5')	150 (6)	200 (8)
1.8m (6')	195 (7 3/4)	200 (8)
2.4m (8')	225 (9)	250 (10)

All dimensions are in millimeters (Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

INLET-MANHOLE,
TYPE G-1, SPECIAL

CADD STANDARD 602026-D4

SCALE NOT TO SCALE

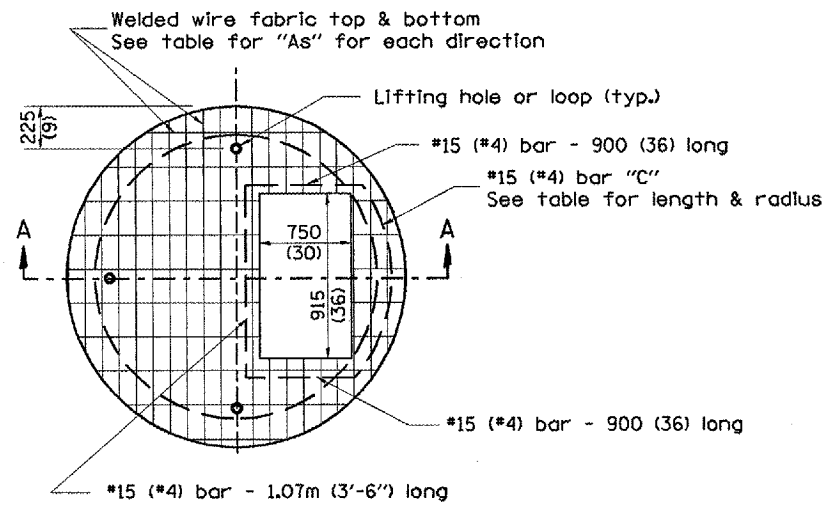
DRAWN BY CADD
CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. B-4.06, NEW REVISION BOX	T.P.
12-1-98	CORRECT E. O. P. NOTE	J.A.
10-99	REVISION TO GENERAL NOTES	J.A.

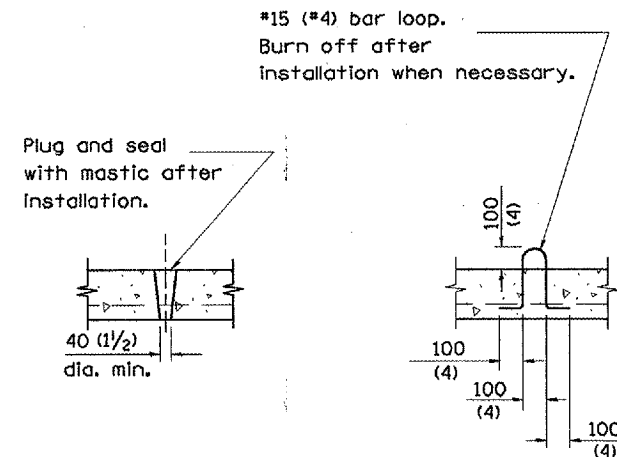
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DGN-ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		58
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

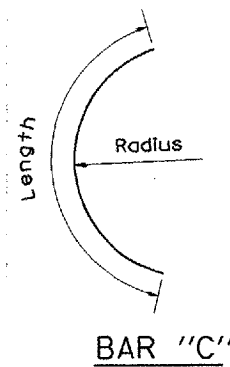


PLAN



LIFTING HOLE OR LIFTING LOOP
TYPICAL

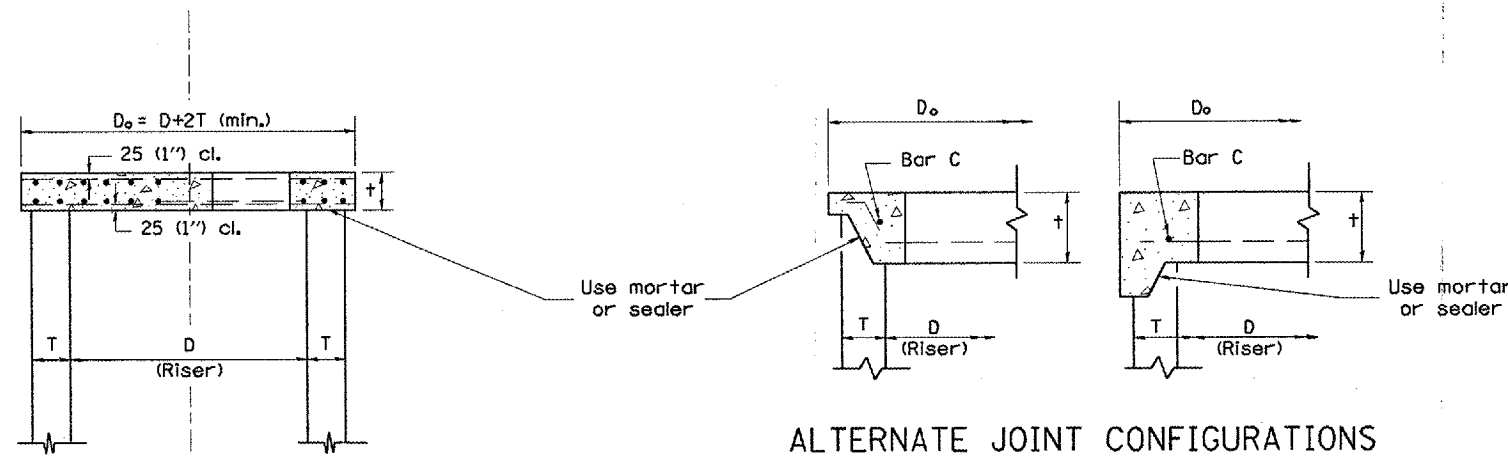
(3 required per slab)



BAR "C"

TABLE

D	T	D _o (min.)	t	Reinforcement "A" W.W.F. each direction	Bar size	No. 15 (No. 4) Bar C	
						Length	Radius
1.2m (4')	125 (5)	1.5m (4'-10")	150 (6)	1480mm ² /m (0.70 sq. inch/lin. ft.)	No. 15 (No. 5)	1.35m (4'-6")	660 (26)
1.5m (5')	150 (6)	1.8m (6'-0")	200 (8)	1480mm ² /m (0.70 sq. inch/lin. ft.)	No. 15 (No. 5)	1.5m (5'-0")	810 (32)
1.8m (6')	195 (7 3/4)	2.2m (7'-3 1/2")	200 (8)	1860mm ² /m (0.88 sq. inch/lin. ft.)	No. 20 (No. 6)	1.8m (6'-0")	965 (38)
2.4m (8')	225 (9)	2.9m (9'-6")	250 (10)	1860mm ² /m (0.88 sq. inch/lin. ft.)	No. 20 (No. 6)	2.3m (7'-6")	1.27m (4'-2")



SECTION A-A

ALTERNATE JOINT CONFIGURATIONS

GENERAL NOTES

- The precast reinforced concrete flat slab top shall be used with INLET-MANHOLE, TYPE G-1 and INLET-MANHOLE, TYPE G-1, SPECIAL.
- Joint configuration and dimensions of flat slab top shall match and fit the riser joint detail.
- Lifting devices shall be approved by the Engineer.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

PRECAST REINFORCED CONCRETE
FLAT SLAB TOP FOR
INLET-MANHOLE, TYPE G-1 AND
TYPE G-1, SPECIAL

CADD STANDARD 602101-D4

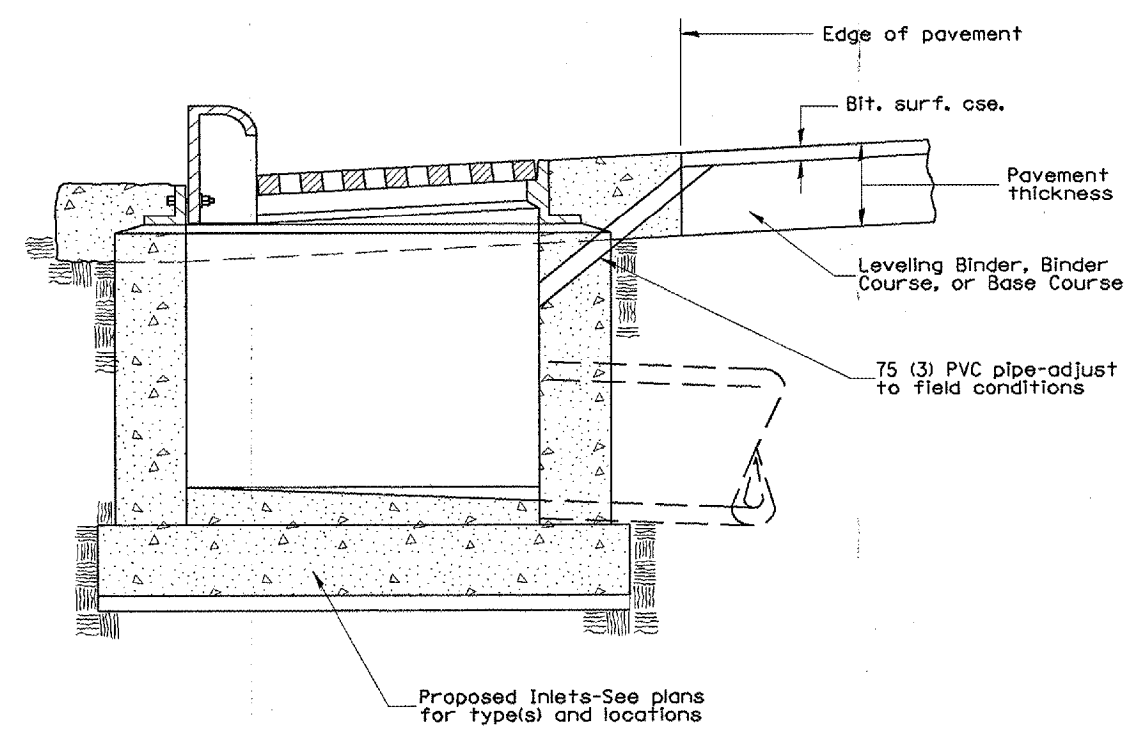
SCALE NOT TO SCALE

DRAWN BY CADD
CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. B-4.07, NEW REVISION BOX	T.P.

\$\$\$DATE\$\$\$

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		59
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



GENERAL NOTES:

1. Temporary Drainage - This work consists of furnishing and installing a 75 (3) PVC pipe in the proposed inlet to facilitate drainage off the pavement prior to the placement of bituminous surface course.
2. Adequate pavement drainage shall be maintained during all phases of construction.
3. The PVC pipe is to be filled with mortar prior to surface course placement.
4. This detail applies to all inlet types.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

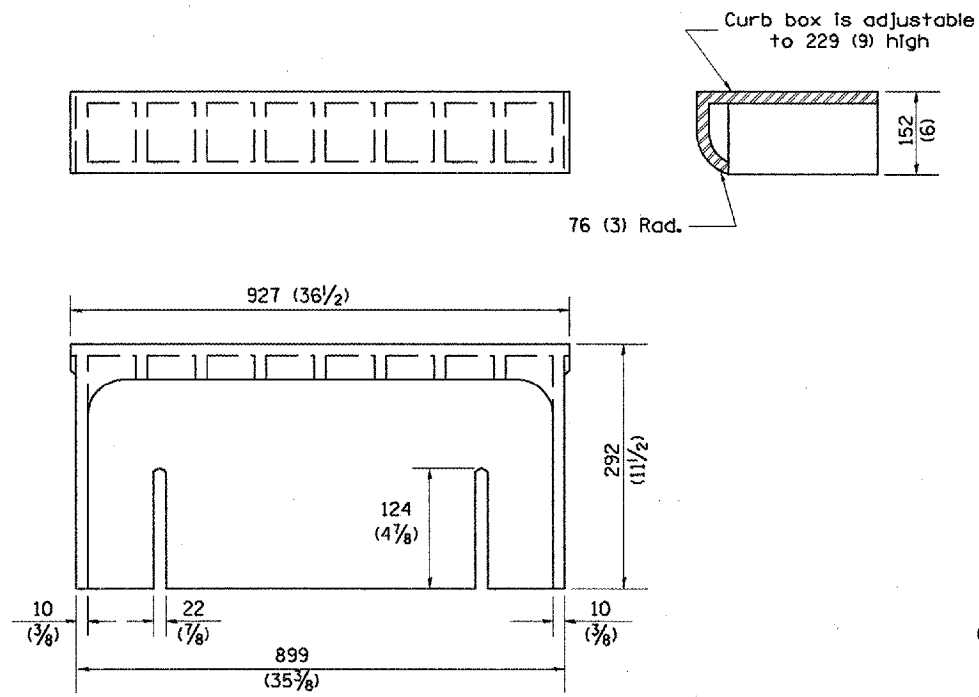
TEMPORARY INLET
DRAINAGE TREATMENT

DATE	REVISIONS	BY
1-1-97	RENUM. B-4.11, NEW REVISION BOX	T.P.
12-1-98	CORRECT GENERAL NOTE	J.A.

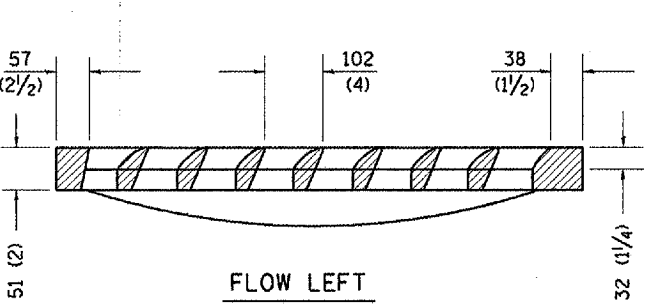
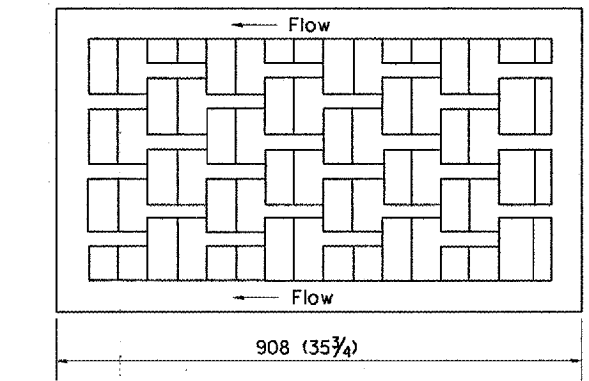
CADD STANDARD 602401-D4
SCALE NOT TO SCALE
DRAWN BY CADD
CHECKED BY

\$\$\$DATE\$\$\$

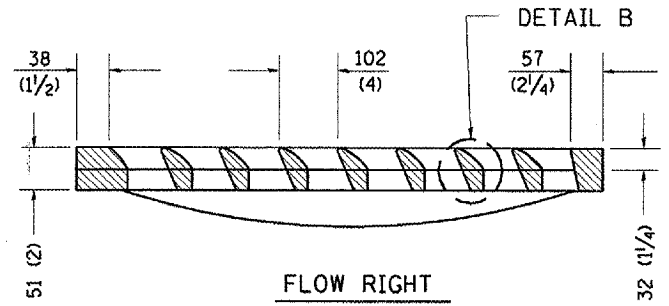
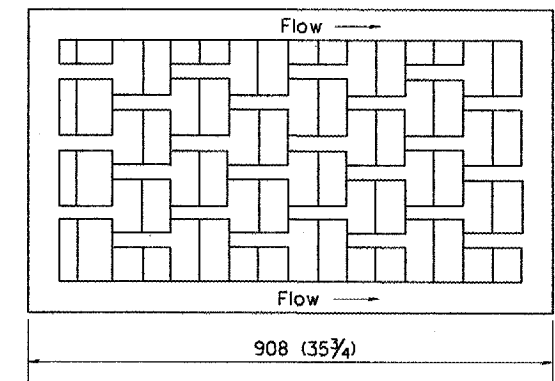
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		60
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



CAST CURB BOX
50 kg (110 lbs.)

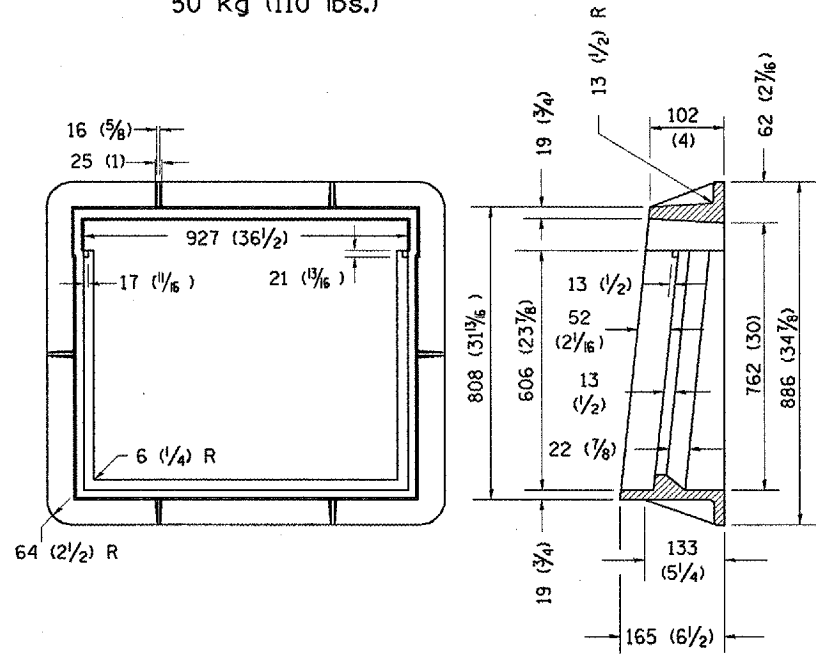
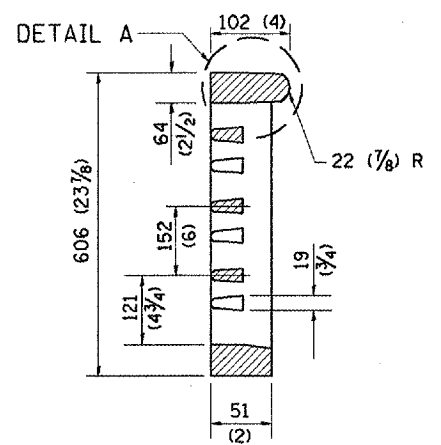


FLOW LEFT

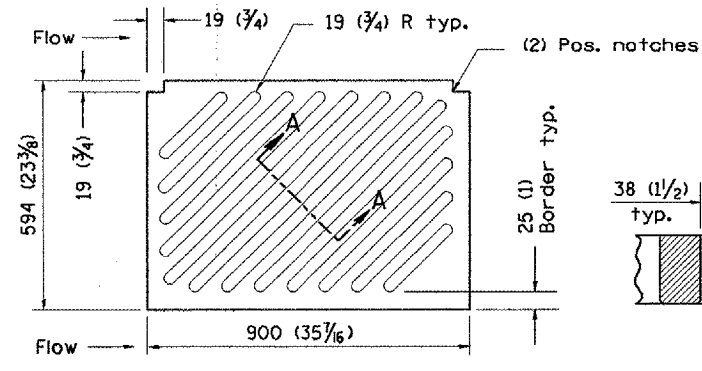


FLOW RIGHT

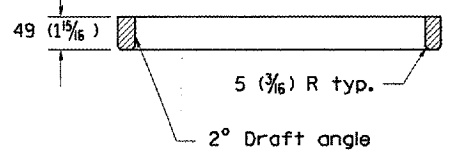
CAST VANE GRATES
(SPECIFY LEFT OR RIGHT FLOW)
104 KG (230 lbs.)



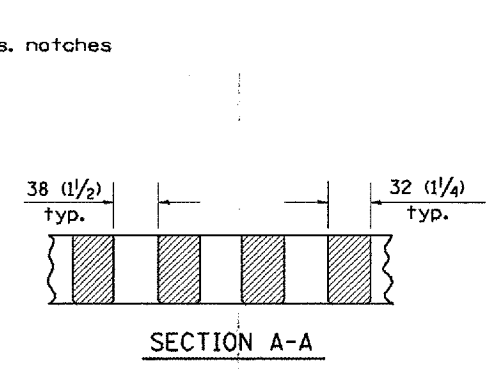
CAST FRAME
123 kg (271 lbs.)



NOTE: Flow right shown

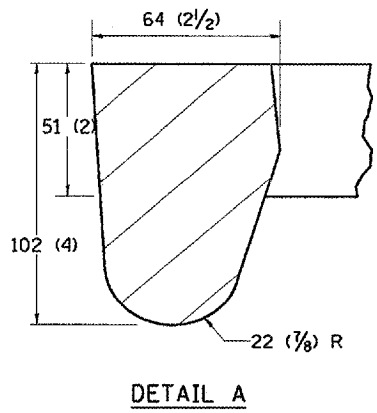


CAST DIAGONAL GRATE
(Reversible for flow)
98 kg (217 lbs.)

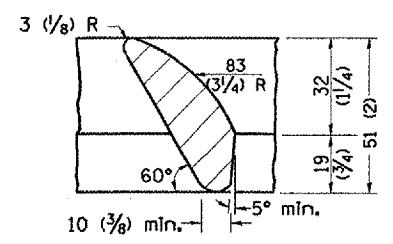


GENERAL NOTES

1. The frame and grate shown on this drawing are for use with all TYPE G-1 and TYPE G-1, SPECIAL DRAINAGE STRUCTURES. See plans for grate type and flow direction.
2. Flow direction: As viewed from street side.
3. Material: cast gray iron.



DETAIL A



DETAIL B

All dimensions are in millimeters (Inches) unless otherwise noted.

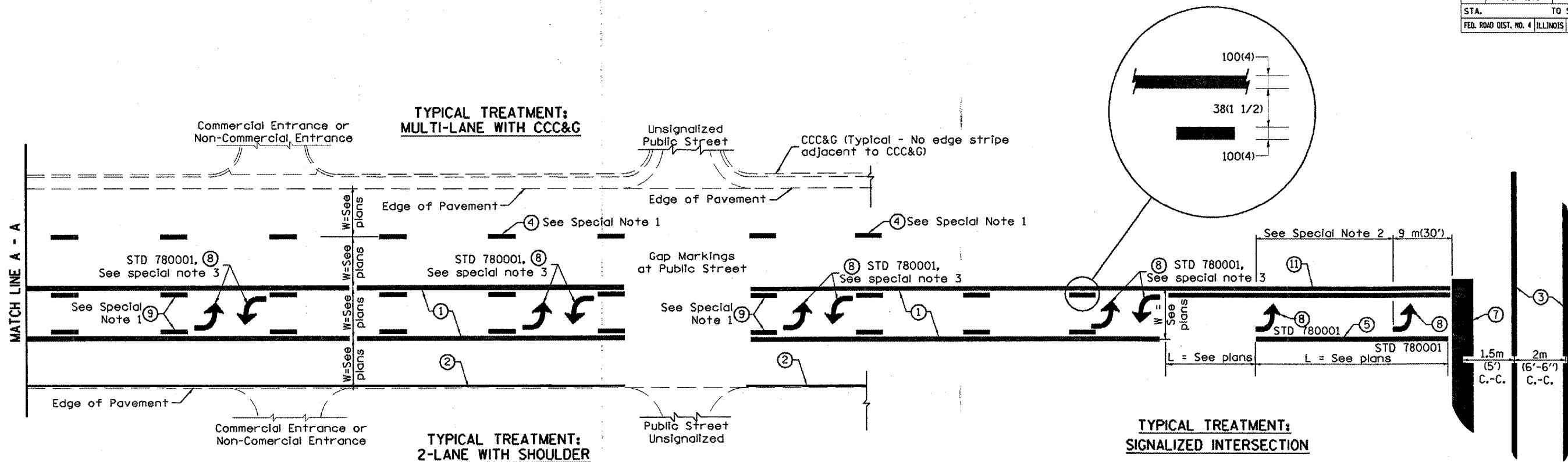
ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
FRAME AND GRATES FOR	
TYPE G-1 AND TYPE G-1, SPECIAL	
DRAINAGE STRUCTURES	
CADD STANDARD 604001-D4	SCALE NOT TO SCALE
DRAWN BY CADD	CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. 8-10.01, NEW REVISION BOX	T.P.

\$\$\$DATE\$\$\$

DGN-ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		61
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 100(4) Solid (Yellow)
- ② 100(4) Solid (White)
- ③ 2-150(6) Crosswalk @ 2m (6'-6") min C.-C. (White)
2-200(8) Crosswalk @ 2m (6'-6") min C.-C. (White) (When traffic signals are present.)
- ④ 150(6) Skip-Dash (White) (See Special Note 1)
- ⑤ 200(8) Solid (White)
- ⑥ 300(12) Diagonal (White) (Item 6 is shown on Std. 780001)
- ⑦ 600(24) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 100(4) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 300(12) Diagonal (Yellow) (See Table A)
- ⑪ 100(4) Double Solid (Yellow)

SPECIAL NOTES

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 24 m (80').
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 61 m (200').
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between Bi Directional Left Turn Arrows is 10 m (33').

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

All dimensions are in millimeters (Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

TYPICAL PAVEMENT MARKINGS

DATE	REVISIONS	BY
1-1-97	RENUM. F-8.03, NEW REVISION BOX	T.P.
2-7-97	ADD BI DIRECTIONAL DIMENSION	J.A.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.
8-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.

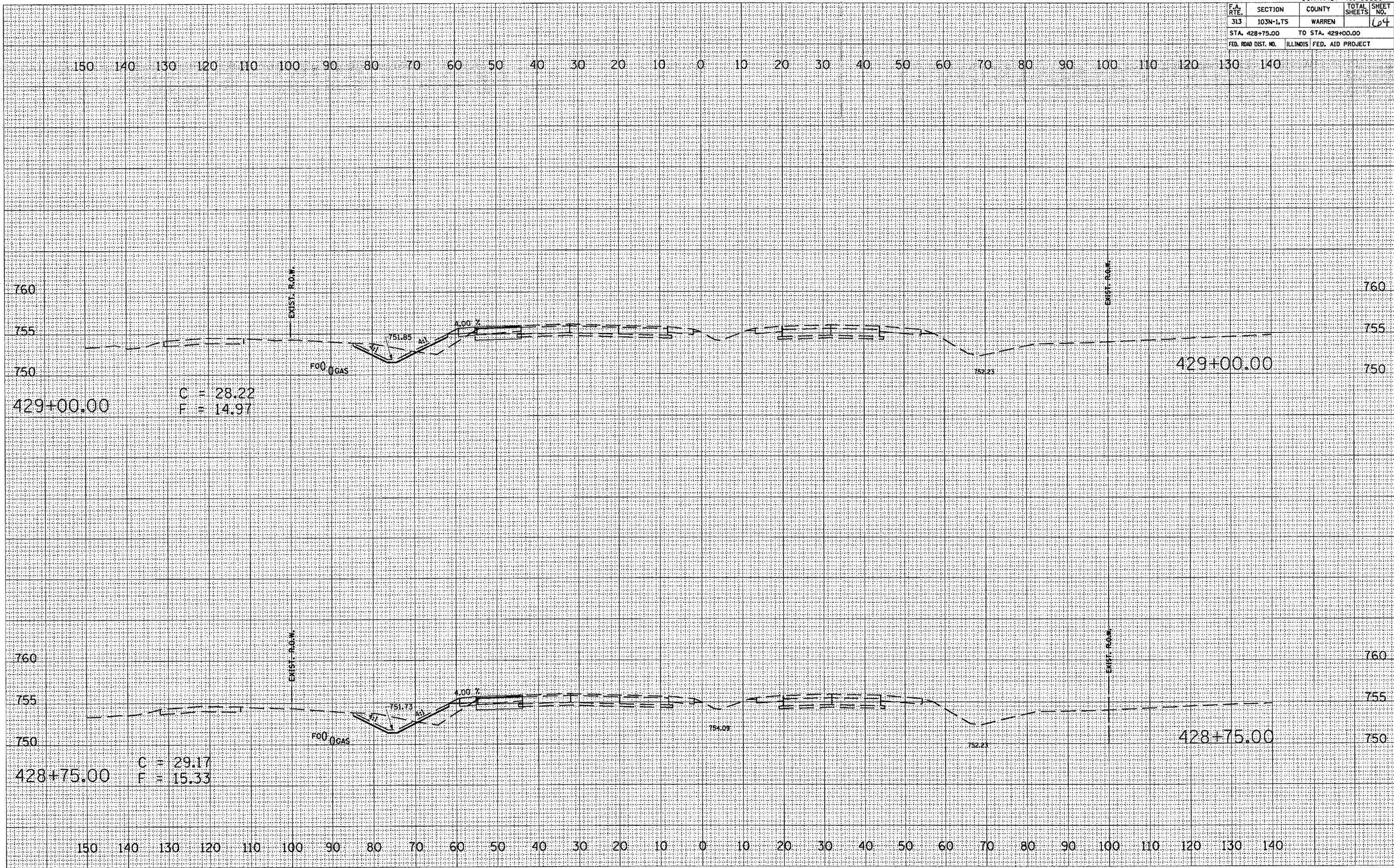
CADD STANDARD 780001-04 SHEET 1 OF 2
SCALE: NOT DRAWN TO SCALE
DRAWN BY CADD
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		64
STA. 428+75.00		TO STA. 429+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL	SURVEYED	DATE
SHEET	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL	SURVEYED	DATE
SHEET	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

PLOT DATE = 2/14/2006
 FILE NAME = c:\p\projects\warren\ts\103n-1\ts\428+75.00.dwg
 PLOT SCALE = 1" = 20.00'
 USER NAME = gindrum



F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
313	103N-LTS	WARREN	104
STA. 432+50.00		TO STA. 432+50.00	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	

BY	DATE

FINAL SURVEY	STARTED	PLOTTED	DATE

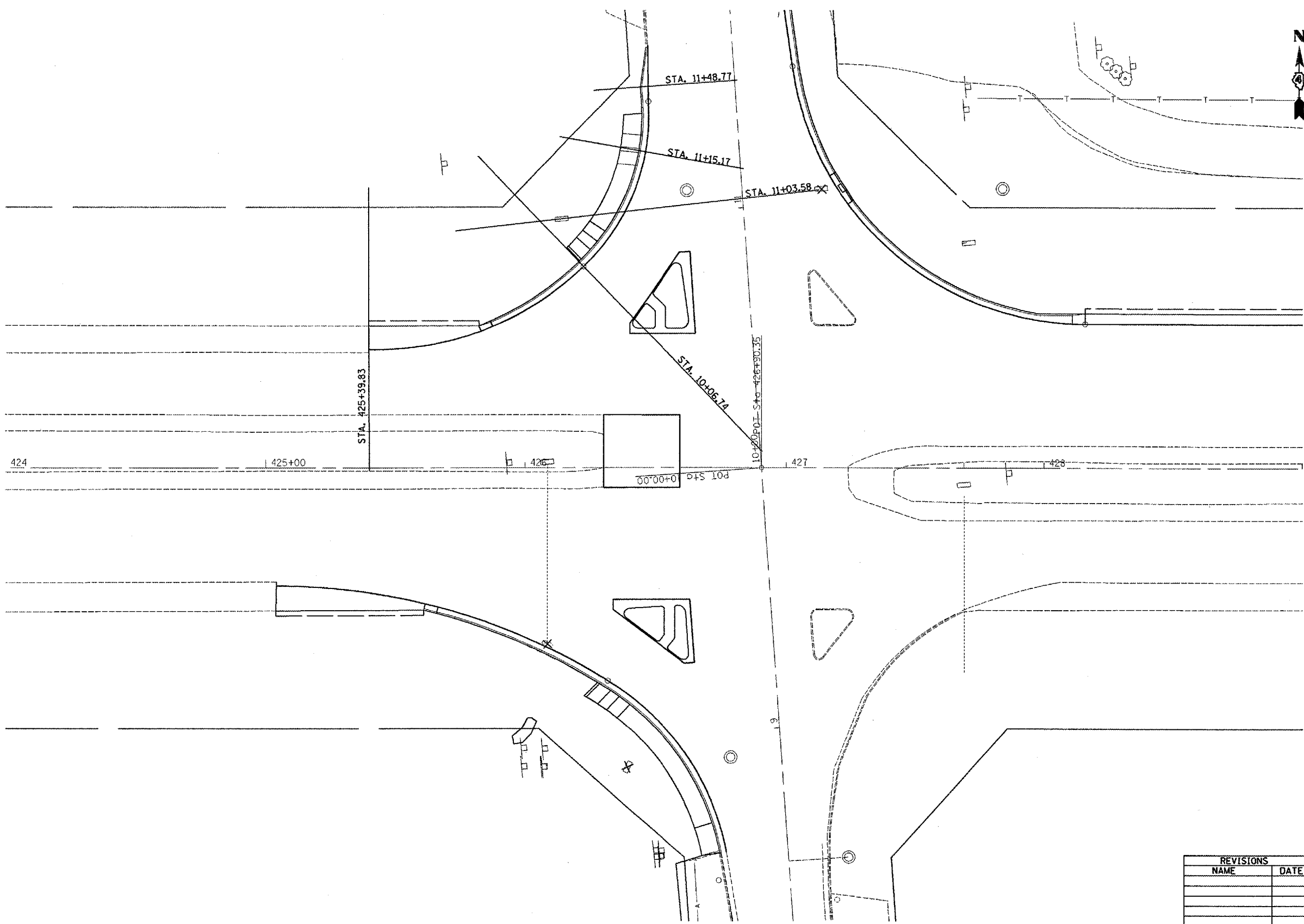
BY	DATE

ORIGINAL SURVEY	STARTED	PLOTTED	DATE

PLOT DATE = 2/11/2006
FILE NAME = C:\Users\jgarcia\AppData\Local\Temp\AutoCAD\2006\103N-LTS\103N-LTS.dwg
USER NAME = jgarcia



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		70
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLOT DATE = 2/19/2006
 FILE NAME = c:\pvc\jess\monmouth2\pvc\plan\shs.61n.dgn
 PLOT SCALE = 40.0000 "/>

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

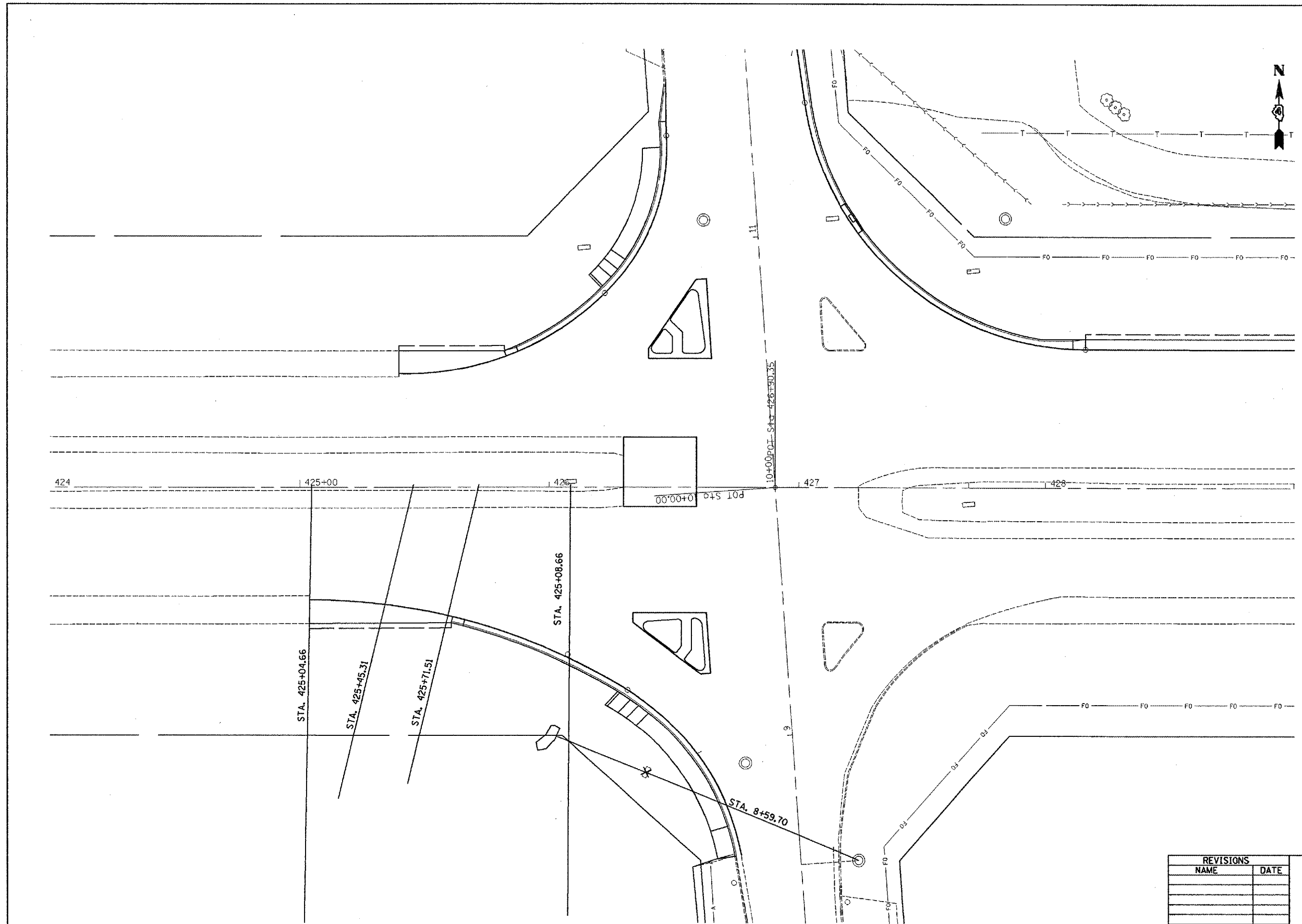
NW RADIUS
 X-SECTION LOCATIONS

SCALE: VERT. _____
 HORIZ. _____

DATE _____

DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		71
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 2/18/2006
 FILE NAME = c:\projects\warren\sub2\prop\plan\shs_68.dgn
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = p2006118

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SW RADIUS
X-SECTION LOCATIONS

SCALE: VERT. DATE
HORIZ.

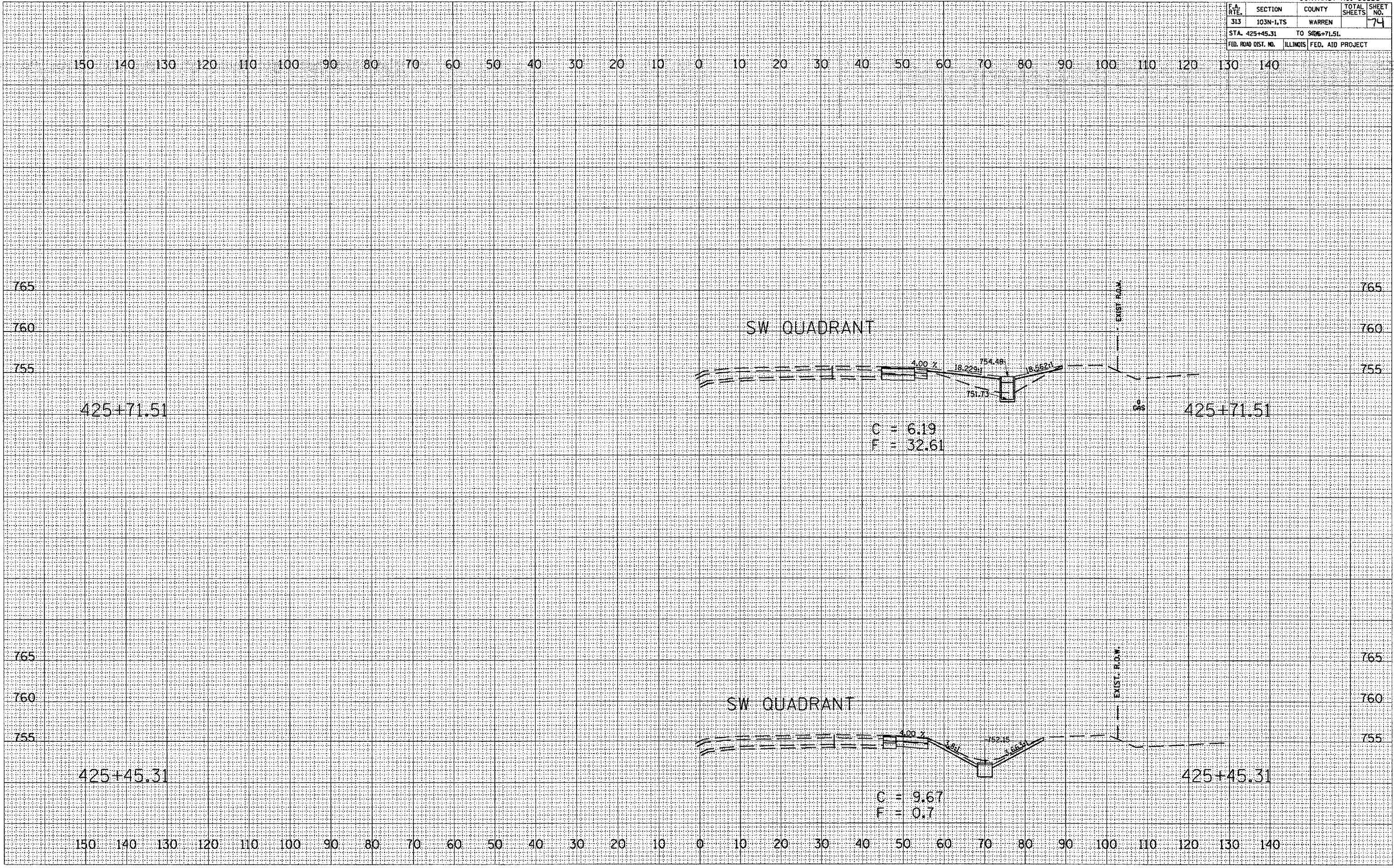
DRAWN BY
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		74
STA. 425+45.31		TO 505+71.51		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY

DATE	BY

PLOT DATE = 2/11/2006
 PLOT SCALE = 2" = 30' / IN.
 USER NAME = ghduman

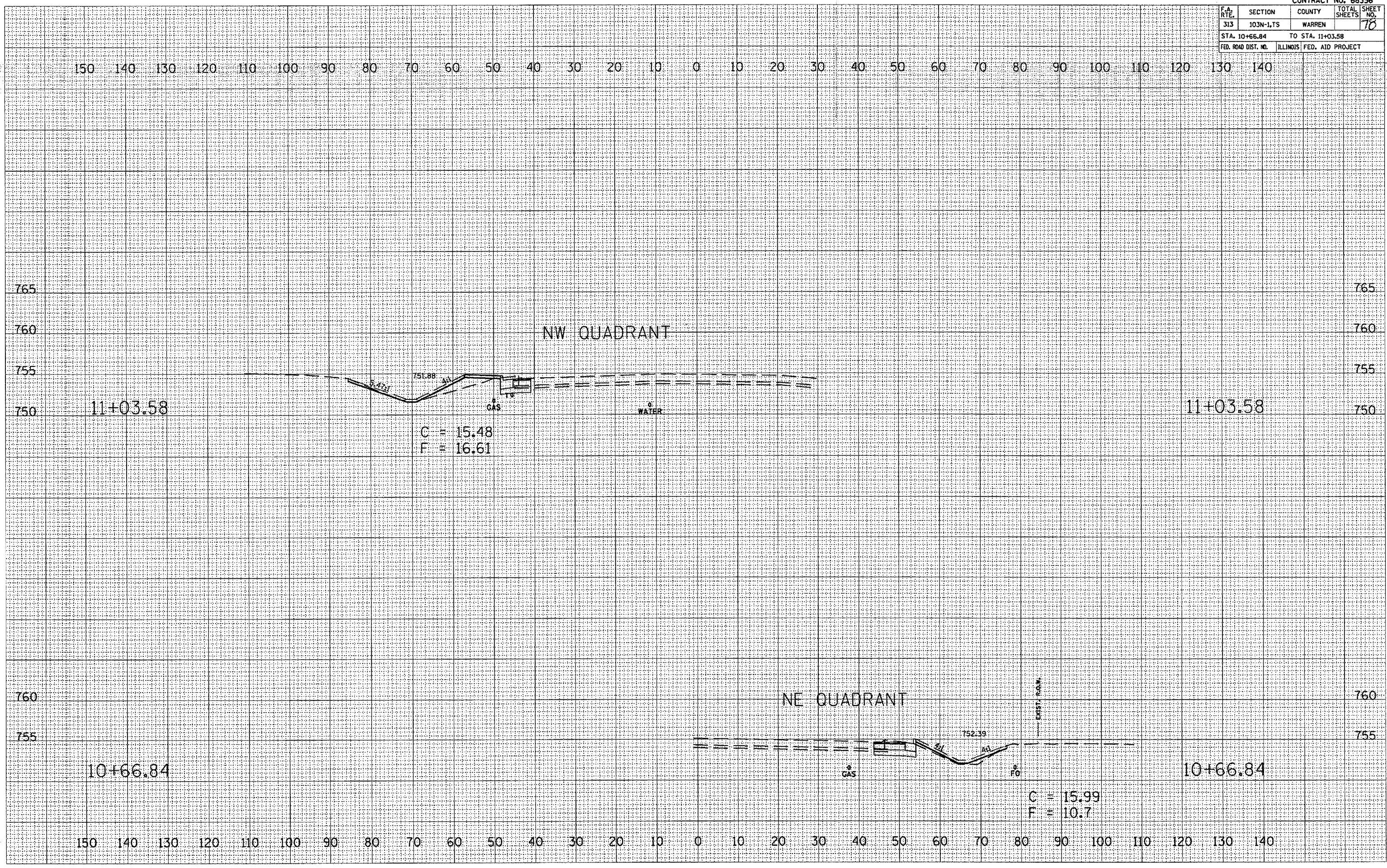


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-1,TS	WARREN		78
STA. 10+66.84		TO STA. 11+03.58		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
NO. _____	_____
BY _____	_____
NO. _____	_____
BY _____	_____
NO. _____	_____
BY _____	_____
NO. _____	_____
BY _____	_____
NO. _____	_____

ORIGINAL SURVEY	DATE
NO. _____	_____
BY _____	_____
NO. _____	_____
BY _____	_____
NO. _____	_____
BY _____	_____
NO. _____	_____
BY _____	_____
NO. _____	_____

PLOT DATE: 2/14/2006
 FILE NAME: C:\Users\jgarcia\Documents\2\resign\103N-1\103N-1.dwg
 PLOT SCALE: 1/8" = 100'
 USER NAME: jgarcia

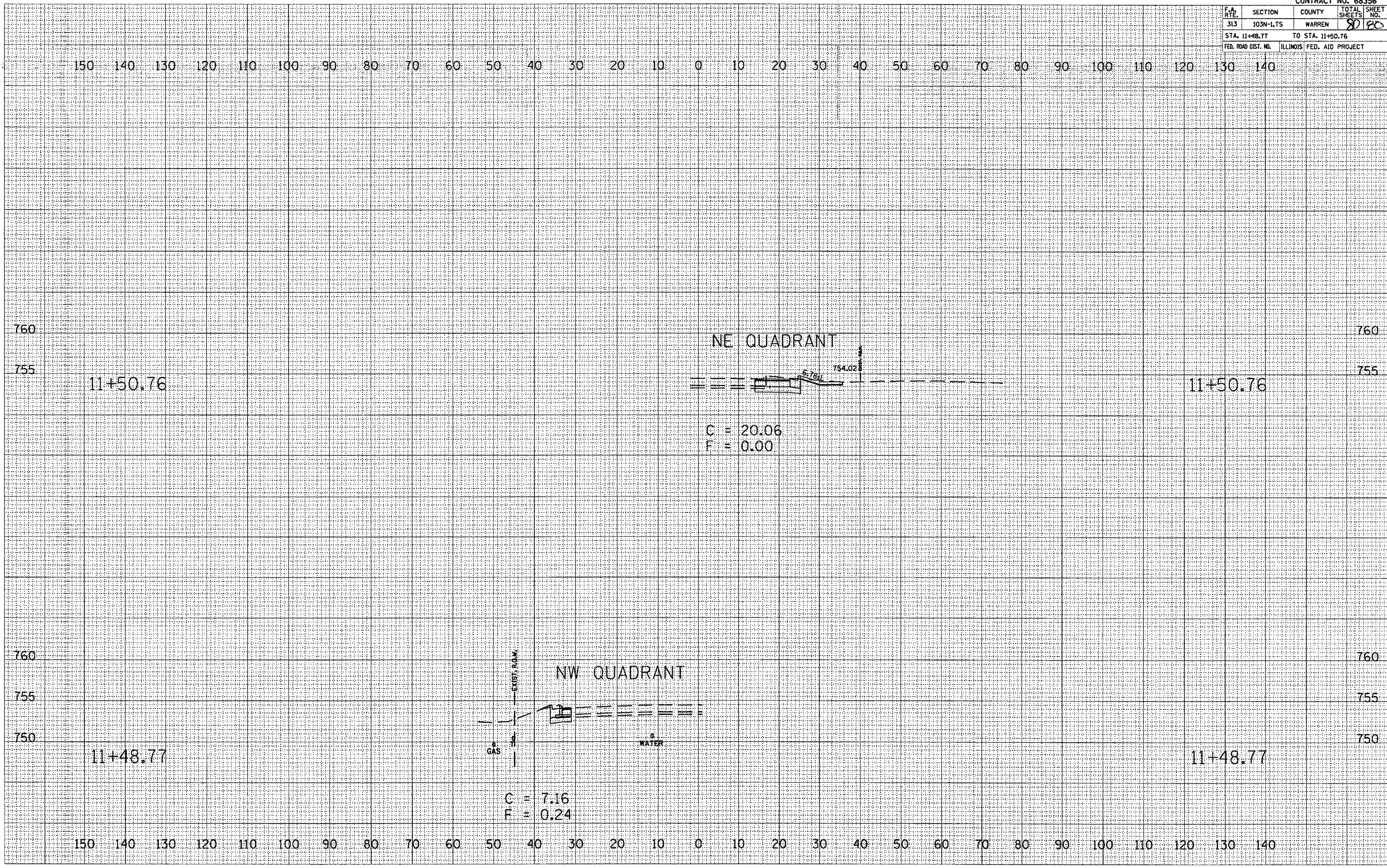


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	103N-LTS	WARREN	80	80
STA. 11+48.77		TO STA. 11+50.76		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

PLOT DATE = 2/14/2006
 PLOT SCALE = 1" = 20.00'
 USER NAME = ghdnsaa



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

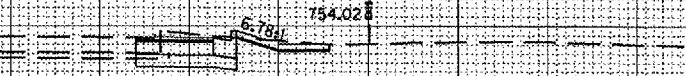
760 760

755 755

11+50.76

11+50.76

NE QUADRANT



C = 20.06
F = 0.00

760 760

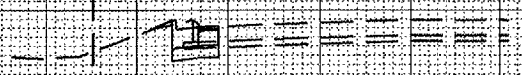
755 755

750 750

11+48.77

11+48.77

NW QUADRANT



C = 7.16
F = 0.24

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140