

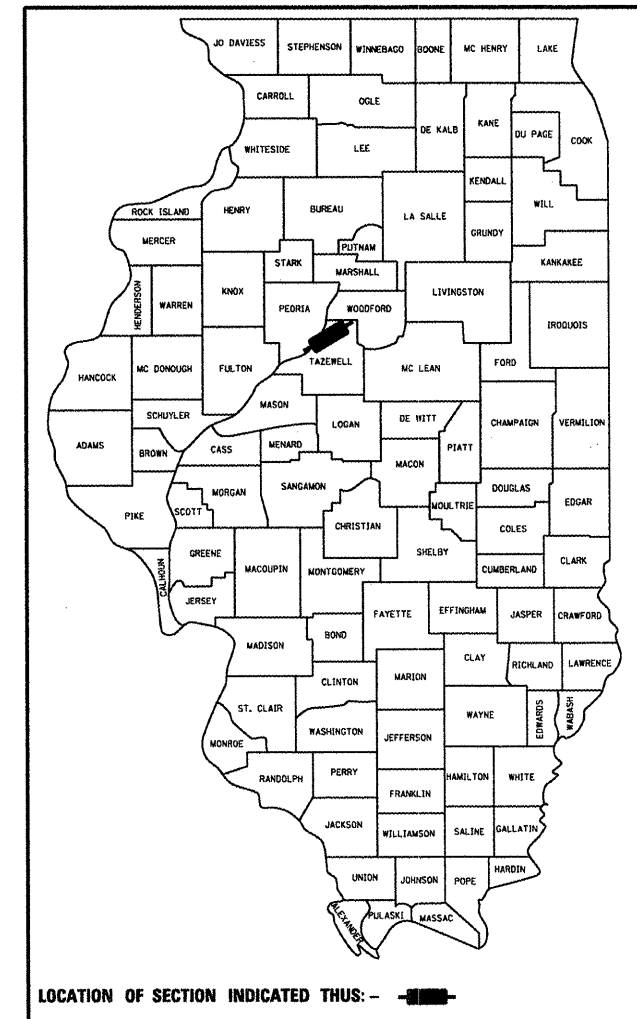
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36)N-1	TAZEWELL	60	1
		ILLINOIS	CONTRACT NO. 68A66	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 399 / F.A.U. 6717 (IL 8 / BUS. US 24)
SECTION (35,36)N-1
PROJECT F-HSIP-000S(87A)
TAZEWELL COUNTY
C-94-009-12

D-94-010-12



QC /QA CONCRETE
N P D E S REQUIRED

FOR INDEX OF SHEETS, SEE SHEET NO. 2

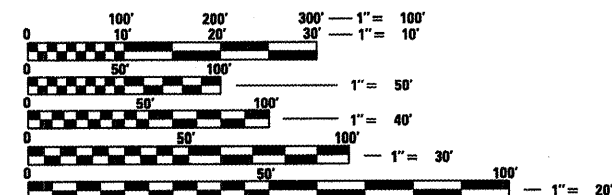
FAP 399 IL 8 (WEST OF M'CLUGGAGE RD.)
ADT = 12,900
% SU = 2.71%
% MU = 0.54%

FAU 6717 BUS. US 24 (EAST OF M'CLUGGAGE RD.)
ADT = 19,900
% SU = 1.63%
% MU = 0.50%

DESIGN DESIGNATION
CLASS II TRUCK ROUTE

FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL / MINOR ARTERIAL URBAN

FOR THE LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

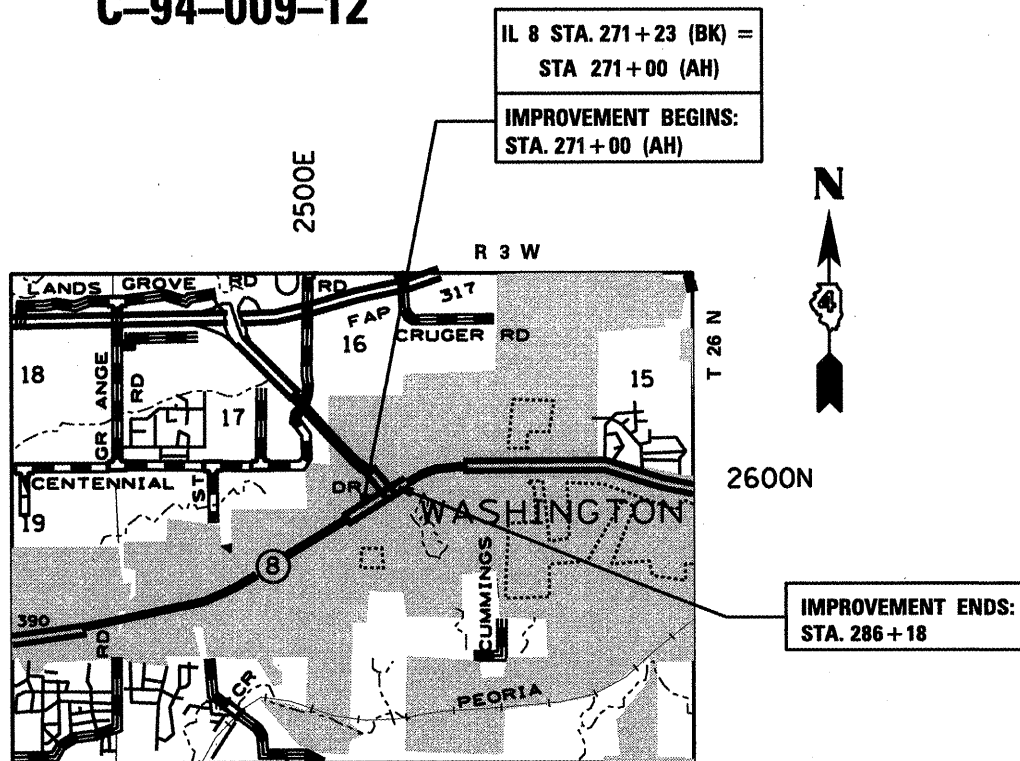


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: RICHARD DOTSON (309) 671-3455
DESIGN ENGINEER: JEN RUDZINSKI/KEVIN HORST (309) 671-3472

CATALOG NO. - 034714-00D
CONTRACT NO. 68A66



GROSS LENGTH = 1568 FT. = 0.297 MILE
NET LENGTH = 1518 FT. = 0.288 MILE

DESCRIPTION OF WORK:
THE PROPOSED IMPROVEMENT CONSISTS OF INTERSECTION MODIFICATION, TRAFFIC SIGNAL WORK, AS WELL AS CONSTRUCTION OF A MULTI-USE PATH.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Dec 19 20 11
Joseph E. Coast
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Feb 3 20 12
John D. Zaramelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Feb 3 20 12
William R. Fiey, Jr.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1. COVER SHEET
- 2. INDEX OF SHEETS
- 3-4. GENERAL NOTES AND COMMITMENTS
- 5. PROJECT SPECIFIC NOTES
- 6-12. SUMMARY OF QUANTITIES
- 13. TYPICAL SECTIONS
- 14-17. SCHEDULES OF QUANTITIES
- 18. CONTROL POINTS AND BENCHMARKS
- 19-21. PLAN AND PROFILE SHEETS
- 22-23. EXISTING AND REMOVAL SHEETS
- 24-25. EROSION CONTROL PLAN
- 26. INTERSECTION DETAILS
- 27-29. PAVEMENT MARKING DETAILS
- 30-39. TRAFFIC SIGNAL DETAILS
- 40-53. DISTRICT DETAILS
- 54-60. CROSS SECTIONS

HIGHWAY STANDARDS

- 280001-06
- 420001-07
- 424011
- 424031
- 542301-03
- 602701-02
- 604001-03
- 606001-04
- 606301-04
- 606306-03
- 701101-02
- 701422-04
- 701426-04
- 701701-08
- 701901-02
- 780001-03
- 781001-03
- 782001
- 805001-01
- 814001-02
- 814006-02
- 857001-01
- 862001-01
- 873001-02
- 877001-05
- 877011-05
- 877012-02
- 878001-09
- 880006-01
- 886001-01
- 886006-01

FILE NAME = D412345-ah-cover.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS	F.A.P. RTE. 399	SECTION (35,36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 2	CONTRACT NO. 68A66
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT					
PLOT DATE = 12/19/2011	DATE -	REVISED -	REVISED -								

AVAILABILITY OF ELECTRONIC FILES

Micro Station and GEOPAK files of this project will be made available to the Contractor. If there is a conflict between the electronic files and the printed contract plans and documents, the printed contract plans and documents shall take precedence over the electronic files. The Contractor shall accept all risk associated with using the electronic files and shall hold the Department harmless for any errors or omissions in the electronic files and the data contained therein. Errors or delays resulting from the use of the electronic files by the Contractor shall not result in an extension of time for any interim or final completion date or shall not be considered cause for additional compensation. The Contractor shall not use, share, or distribute these electronic files except for the purpose of constructing this contract. Any claims by third parties due to use or errors shall be the responsibility of the Contractor. The Contractor shall include this disclaimer with the transfer of these electronic files to any other parties and shall include appropriate language binding them to similar responsibilities.

UTILITIES – LOCATIONS /INFORMATION ON PLANS

The locations of existing water mains, gas mains, sewers, electric power lines, telephone lines and other utilities as shown on the plans are based on careful field investigation and the best information available, but they are not guaranteed. Unless elevations are shown — all utility locations shown on the cross sections are based on the approximate depth supplied by the utility company. It shall be the Contractor's responsibility to ascertain their exact location from the utility companies and by field inspection.

PLAN ELEVATIONS – U. S. G. S. MEAN SEA LEVEL DATUM

All elevations shown on the plans are established from U. S. G. S. mean sea level datum.

PROPERTY OWNER ACCESS REQUIREMENTS

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

EARTH EXCAVATION – INCIDENTAL TO CURB, GUTTER, & DRIVEWAY

Earth excavation and backfill for proposed curb and gutter and driveway pavements shall be included in the unit cost of the various items.

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.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Environmental Survey Request)
- * A location map showing the size limits and location of the use area
- * Signed property owner agreement form-D4 PI0100
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

PAVEMENT STATIONING NUMBERS & PLACEMENT

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 3/4 inch (20mm) wide, 5 inches (125 mm) high and 5/8 inch (15 mm) deep.

The pavement station numbers shall be installed as specified herein:

Interval – 200 feet (English stationing) or 100 meters (metric stationing)

Bottom of Numbers – 6 inches (150 mm) from the inside edge of the pavement marking

Location:

- * 2,3, & 5 Lane Pavements – right edge of pavement in direction of increasing stations
- * Multi-Lane Divided Roadways – outside edge of pavement in both directions
- * Ramps – along baseline edge of pavement

Position – stations shall be placed so they can be read from the adjacent shoulder

Format – English (Metric) pavement stations shall use this format "XXX (XX+X00)" where X represents the pavement station

This work will not be paid for separately, but will be considered included in the cost of the associated pavement and/or overlay pay items.

FILE NAME = 0412345-shr-cover.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000' / 1" =	DRAWN -	REVISED -			399	(35,36)N-1	TAZEWELL	60	3
PLOT DATE = 12/16/2011	CHECKED -	REVISED -	REVISED -	SCALE:	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 68A66		

POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) RATES

Surface Type	Estimated Truck Application Rate	Residual Rate
Milled (HMA or PCC)	0.08 gal/sy (0.00034 ton/sy)	0.04 gal/sy
Existing Pavement	0.05 gal/sy (0.00022 ton/sy)	0.025 gal/sy
Fog Coat (between lifts)	0.05 gal/sy (0.00022 ton/sy)	0.025 gal/sy

Note: Estimated truck application rate is used for estimating quantities.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	Poly Surface
RAP % (Max):	10%
AC/PC:	SBS or SBR 70-22
Design Air Voids:	4.0% @ N=50
Mixture Composition: (Gradation Mixture)	IL 9.5 or 12.5
Friction Aggregate	MIX E

Notes: Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal aggregate size.

BUTT JOINT CUTTING TIME RESTRICTION

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

PAVING SURFACE COURSE

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

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.

EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES

In accordance with Section 602 of the Standard Specifications, the connecting of existing drain tiles, pipe culverts, or storm sewers to the proposed drainage system structures will not be paid for separately but shall be considered as included in the pay items provided.

MEDIAN AND ISLAND NOSES

When constructing median and island noses the following criteria should be used:

- * Barrier curb shall be used to construct noses when the median or island surrounds a mast arm or other non-breakaway foundation.
- * Ramped noses shall be used on medians or islands with breakaway posts.

SIGN POST HOLES

Vertical holes shall be constructed in the island pavement and/or concrete median of the type specified or concrete median surface 4 inches (100mm). The holes shall be 24 inches (600mm) in diameter or 24 inches (600mm) square and they shall be free of any obstruction, except earth, for a depth of 5 feet (1.5m) at the locations shown on the plans or as directed by the Engineer. Any holes not used for the placement of signs shall be filled and compacted flush with the top of the island pavement, concrete median of the types specified, or concrete median surface 4 inches (100 mm). The top 3 inches (75 mm) of said compacted fill shall consist of a hot-mix asphalt mixture. All holes in which the sign posts are installed at the time of this contract shall be similarly filled.

This work, including any required pavement removal necessary to construct the sign post holes, will not be paid for separately but shall be included in the contract unit price per square foot (square meter) for ISLAND PAVEMENT and/or CONCRETE MEDIAN of the type specified, or CONCRETE MEDIAN SURFACE, 4 inches (100 mm).

TRANSITION PAYMENT METHOD - NEWOLD CONSTRUCTION

Three meter (10 ft.)(3m) 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.

COMMITMENTS

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

No commitments have been made.

FILE NAME = D412345-aht-cover.dgn	USER NAME = horatkj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & COMMITMENTS				F.A.P. RTE. 399	SECTION (35,36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 4
	PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 68A66		
	PLOT DATE = 12/16/2011	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										

The Engineer shall contact Randy Laninga at 309-671-4477 to schedule the installation of additional signs needed for the pedestrian crossing at the intersection of Bus. 24 and IL 8.

Before the Contractor closes the left turn lane from eastbound IL 8 to McCluggage Road, the Contractor and the Engineer shall contact Randy Laninga at 309-671-4477 to discuss modifying signal timing to allow for left turns from a temporary left turn lane during the closure of the permanent left turn lane.

When the existing drainage structures located in the shoulder of westbound IL 8 (Sta. 278+00 Lt and Sta. 281+50 Lt) are removed, any pipes draining into these structures shall be tied into the new inlets. This work shall be included in the cost of the new drainage structures.

The control points and benchmarks included in these plans are taken from contract 68370, which is scheduled to be let in January, 2012. The control points and benchmarks provided are located west of this contract (see the Control Points and Benchmarks sheet).

The Class SI Concrete (Outlets) to be constructed on McCluggage Road shall be constructed according to District CADD Standard 606101, except that the transition portion will vary from the standard to match into the combination concrete curb and gutter, type b-6.24. Also, the transition length of the outlet varies from the standard.

The removal of pavement markings on existing surfaces that are not going to be milled or removed shall be done by water blasting.

Tie bars shall be used in the proposed widening to tie it to the existing pavement. Tie bars shall also be used in the proposed curb and gutter to tie it to the existing pavement or the proposed widening. Tie bars shall be installed as shown in Highway Standard 420001. The cost of this work shall be included in the cost of the various proposed concrete items involved, as noted in Article 508.07 of the Standard Specifications.

The proposed back of curb on IL 8 is 37.8 feet from the IL 8 centerline. This constant offset will provide a straight curb line. There will be minor variation in offset between the edge of the existing pavement and the leading edge of the proposed gutter. This difference shall be made up in the width of the gutter. Any additional width (up to 1 foot maximum) shall be included in the cost of the proposed curb and gutter. Any additional width shall be left down 1 1/2" from the top of the gutter to allow for the placement of HMA surface course.

FILE NAME = D412345-aht-cover.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT SPECIFIC NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 40.0000' / 1" =	DRAWN -	REVISED -			399	(35,36)N-1	TAZEWELL	60	5	
	PLOT DATE = 12/19/2011	CHECKED -	REVISED -			CONTRACT NO. 68A66		ILLINOIS FED. AID PROJECT			
		DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

L24E(F)

L53E(HSIP)

07CO

CONSTRUCTION CODE

FAP 0004	FAP 0004	FAP 0021	FAP 0021
80% FED	90% FEDERAL	90% FEDERAL	80% STATE
20% STATE	10% STATE	10% STATE	20% CITY
			SIDEWALK

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAP 0004	FAP 0004	FAP 0021	FAP 0021
20200100	EARTH EXCAVATION	CU YD	91	91			
20400800	FURNISHED EXCAVATION	CU YD	1004	1004			
20800150	TRENCH BACKFILL	CU YD	53	53			
21101615	TOPSOIL FURNISH & PLACE, 4"	SQ YD	3584	3584			
21400100	GRADING AND SHAPING DITCHES	FOOT	42		42		
X 25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75			
X 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	74	74			
X 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	74	74			
X 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	74	74			
X 25100115	MULCH, METHOD 2	ACRE	0.75	0.75			
X 25100630	EROSION CONTROL BLANKET	SQ YD	794	794			
X 25200110	SODDING, SALT TOLERANT	SQ YD	560	560			
X 25200200	SUPPLEMENTAL WATERING	UNIT	5.6	5.6			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	363	363			

X SPECIALTY ITEM

FILE NAME = 0412345-sht-500.dgn

USER NAME = rudzinski.jl
 DESIGNED -
 DRAWN -
 PLOT SCALE = 100.0000' / 1" =
 CHECKED -
 PLOT DATE = 12/21/2011
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
399	135,36IN-1	TAZEWELL	60	6
CONTRACT NO. 68A66				

ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	L24E (F)	L53E (HSIP)	07CO	
				CONSTRUCTION CODE			
				FAP 0004	FAU 0004	FAU 0021	FAP 0021
				80% FED 20% STATE	SAFETY 90% FEDERAL 10% STATE	SAFETY 90% FEDERAL 10% STATE	80% STATE 20% CITY SIDEWALK
28000305	TEMPORARY DITCH CHECKS	FOOT	144	144			
28000400	PERIMETER EROSION BARRIER	FOOT	385	385			
28000500	INLET AND PIPE PROTECTION	EACH	11	11			
28100225	STONE RIPRAP, CLASS B3	TON	13.3	13.3			
28200200	FILTER FABRIC	SO YD	40	40			
35400510	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 11"	SO YD	139		139		
40600215	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	TON	1.1	0.7	0.4		
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	102	28	74		
40603560	POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "E", N50	TON	251	162	89		
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SO FT	12720			12720	
42400800	DETECTABLE WARNINGS	SO FT	93			93	
44000100	PAVEMENT REMOVAL	SO YD	242		242		
44000155	HOT - MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	2886	1896	990		
44003100	MEDIAN REMOVAL	SO FT	1129		1129		

L24E (F)

LS3E (HSIP)

07CO

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				FAP 0004	FAP 0004	FAP 0021	FAP 0021
				80% FED	90% FEDERAL	90% FEDERAL	80% STATE
				20% STATE	10% STATE	10% STATE	20% CITY SIDEWALK
44004250	PAVED SHOULDER REMOVAL	SO YD	1490	1280	210		
54213657	PRECAST REINF. CONC. FLARED END SECTIONS 12"	EACH	10	10			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	272	272			
60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1		1		
60500060	REMOVING INLETS	EACH	2	2			
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	11.4		11.4		
60605000	COMB. CONC. CURB AND GUTTER, TYPE B-6. 24	FOOT	1194	1042	152		
60620000	CONCRETE MEDIAN, TYPE SB-6. 24	SO FT	1478		1478		
60621200	CONCRETE MEDIAN, TYPE SB-9. 24	SO FT	453		453		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	1	1		
67100100	MOBILIZATION	L SUM	1	0.5	0.5		
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	0.5	0.5		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5			

FILE NAME =
D412345-shc-900.dgn

USER NAME = rudzinski.j

DESIGNED -

REVISED -

DRAWN -

REVISED -

PLOT SCALE = 1/8"=1'-0"

CHECKED -

REVISED -

PLOT DATE = 12/21/2011

DATE -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
399	(35,36)N-1	TAZEWELL	60	6
CONTRACT NO. 68A66			ILLINOIS FED. AID PROJECT	

L24E(F)

L53E(HSIP)

0700

CONSTRUCTION CODE

FAP 0004	FAP 0004	FAP 0021	FAP 0021
	SAFETY	SAFETY	80% STATE
80% FED	90% FEDERAL	90% FEDERAL	20% CITY
20% STATE	10% STATE	10% STATE	SIDEWALK

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAP 0004	FAP 0004	FAP 0021	FAP 0021
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1	1			
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1442	1442			
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	240	240			
X 78004230	PREFORMED PLASTIC PAVEMENT MARKING, TB-INLAID-LINE 6"	FOOT	383	383			
X 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	28	28			
X 78200300	PRISMATIC CURB REFLECTOR	EACH	44		44		
78300100	PAVEMENT MARKING REMOVAL	SO FT	99	99			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	20	20			
X 80500200	SERVICE INSTALLATION, TYPE B	EACH	1			1	
X 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1370			1370	
X 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	160			160	
X 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1			1	
X 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1632.5			1632.5	
X 82103900	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH	3			3	

X SPECIALTY ITEM

FILE NAME = 0412345-sh1-500.dgn

USER NAME = rudzinski.jl
 DESIGNED -
 DRAWN -
 PLOT SCALE = 100.0000' / 1" =
 CHECKED -
 PLOT DATE = 12/21/2011
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
399	(35,36)N-1	TAZENELL	60	9
			CONTRACT NO. 68A66	
ILLINOIS FED. AID PROJECT				

L24E(F)

L53E (HSIP)

0700

CONSTRUCTION CODE

FAP 0004	FAP 0004	FAP 0021	FAP 0021
	SAFETY	SAFETY	80% STATE
80% FED	90% FEDERAL	90% FEDERAL	20% CITY
20% STATE	10% STATE	10% STATE	SIDEWALK

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAP 0004	FAP 0004	FAP 0021	FAP 0021
X 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1273			1273	
X 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1063.5			1063.5	
X 87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	1442			1442	
X 87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	2			2	
X 87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1			1	
X 87703030	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1			1	
X 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3			3	
X 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10			10	
X 87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21			21	
X 87900200	DRILL EXISTING HANDHOLE	EACH	4			4	
X 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6			6	
X 88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3			3	
X 88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH	1			1	
X 88102810	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	2			2	

X SPECIALTY ITEM

FILE NAME = D412345-ah-500.dgn	USER NAME = rudinskijl	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
399	(35,36)N-1	TAZEWELL	60	10
			CONTRACT NO. 68A66	
ILLINOIS FED. AID PROJECT				

L24E(F)

L53E(HSIP)

07CO

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAP 0004	FAP 0004	FAP 0021	FAP 0021
				80% FED	90% FEDERAL	90% FEDERAL	80% STATE
				20% STATE	10% STATE	10% STATE	20% CITY
							SIDEWALK
X 88200310	TRAFFIC SIGNAL BACKPLATE, LOUVERED, PLASTIC	EACH	7			7	
X 88500100	INDUCTIVE LOOP DETECTOR	EACH	10			10	
X 88600100	DETECTOR LOOP, TYPE I	FOOT	399			399	
X 88800100	PEDESTRIAN PUSH-BUTTON	EACH	2			2	
X 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1			1	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1	
89502376	REBUILD EXISTING HANDHOLE	EACH	1			1	
89502380	REMOVE EXISTING HANDHOLE	EACH	2			2	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2			2	
X5010522	REMOVE CONCRETE END SECTION	EACH	2	2			
X5510100	STORM SEWER REMOVAL	FOOT	64	64			
X6020082	INLETS, TYPE G-1	EACH	2		2		
X6021065	INLETS, TYPE G-1, (SPECIAL)	EACH	8	8			
X 7800605	URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	44		44		

X SPECIALTY ITEM

FILE NAME = D412345-ahv-SDD.dgn
 USER NAME = rudzinskijl
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 12/21/2011

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
399	135.36IN-1	TAZEWELL	60	11
CONTRACT NO. 68A66			ILLINOIS FED. AID PROJECT	

L24E(F)

L53E(HSIP)

07CO

CONSTRUCTION CODE

FAP 0004	FAP 0004	FAP 0021	FAP 0021
80% FED	90% FEDERAL	90% FEDERAL	80% STATE
20% STATE	10% STATE	10% STATE	20% CITY
			SIDEWALK

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAP 0004	FAP 0004	FAP 0021	FAP 0021
X X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	2173	2173			
X X7800640	URETHANE PAVEMENT MARKING - LINE 8"	FOOT	1025		1025		
X X7800650	URETHANE PAVEMENT MARKING - LINE 12"	FOOT	107		107		
X X7800680	URETHANE PAVEMENT MARKING - LINE 24"	FOOT	111		111		
X X8250210	PHOTOCELL RELAY	EACH	1			1	
X X8950205	REBUILD EXISTING HANDHOLE, SPECIAL	EACH	1			1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5		
X Z0033052	COMMUNICATIONS VAULT	EACH	1			1	
X Z0033068	TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1			1	
Z0034105	MATERIAL TRANSFER DEVICE	TON	251	162	89		

X SPECIALTY ITEM

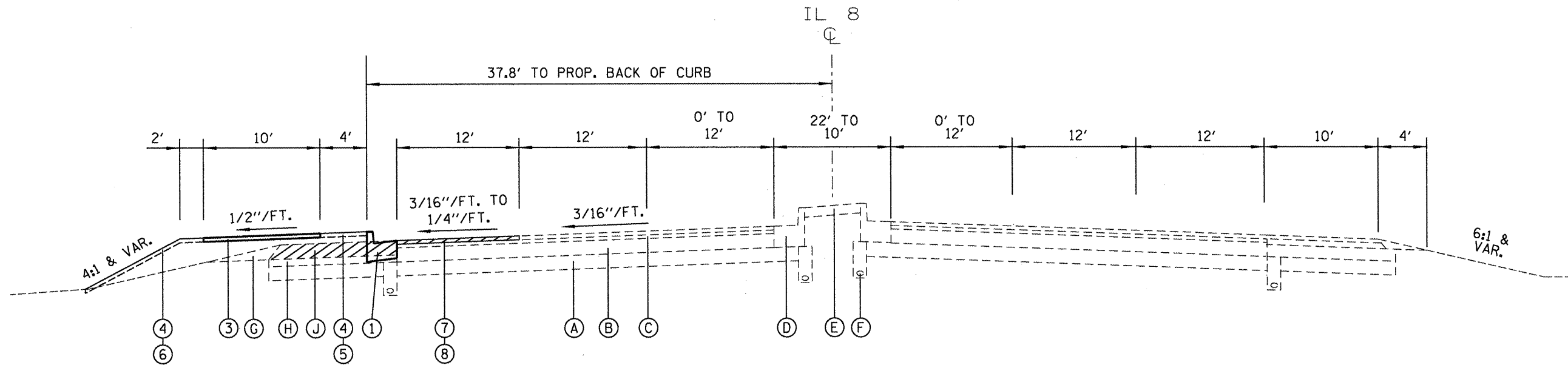
FILE NAME = 0412345-ahh-S00.dgn
 USER NAME = rudzinskijl
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 12/21/2011

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. RTE. 399	SECTION (35.36)N-1	COUNTY	TOTAL SHEETS 60	SHEET 12
CONTRACT NO. 68A66			ILLINOIS FED. AID PROJECT	



PROPOSED TYPICAL SECTION
 (IL. RTE. 8)
 STA. 271+00 (AH.) TO STA. 283+98.20

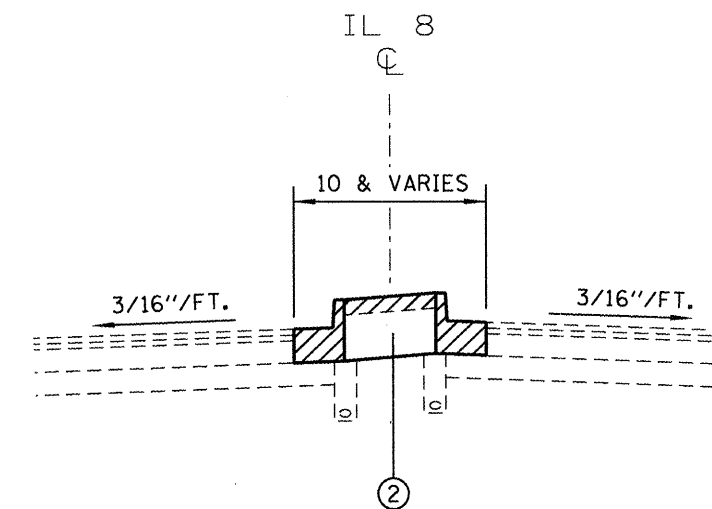
REMOVAL

EXISTING LEGEND

- Ⓐ SUB-BASE GRANULAR MATERIAL, TYPE A
- Ⓑ P.C.C. BASE COURSE, 8 1/2"
- Ⓒ HMA OVERLAY
- Ⓓ CCC&G, TYPE B-9.24
- Ⓔ CONC. MEDIAN SURFACE, 4"
- Ⓕ PIPE UNDERDRAINS, 4"
- Ⓖ AGGREGATE SHOULDER
- Ⓗ SUB-BASE GRANULAR MATERIAL, TYPE C
- Ⓙ HMA SHOULDER

PROPOSED LEGEND

- ① COMB. CONC. CURB AND GUTTER, TYPE M-6.24
- ② CONCRETE MEDIAN, TYPE SB-9.24
- ③ PORTLAND CEMENT CONCRETE SIDEWALK 4"
- ④ TOPSOIL FURNISH & PLACE, 4"
- ⑤ SODDING, SALT TOLERANT
- ⑥ SEEDING, CLASS 2A
- ⑦ HMA SURFACE REMOVAL, 1 1/2"
- ⑧ POLY HMA SURFACE COURSE, MIX "E", N50 (1 1/2")



PROPOSED MEDIAN TYPICAL SECTION
 IL. RTE. 8
 STA. 283+98.20 TO STA. 284+45.40

FILE NAME = D412345-shit-cover.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS		F.A.P. RTE. 399	SECTION (35,36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 13
	PLOT SCALE = 40.0000' / 1"	DRAWN -	REVISED -				SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 68A66		
	PLOT DATE = 12/16/2011	CHECKED -	REVISED -				ILLINOIS FED. AID PROJECT				

EARTHWORK SUMMARY	EARTH EXCAVATION	FOR INFORMATION ONLY		FURNISHED EXCAVATION
		EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT	
	CU. YD.	CU. YD.	CU. YD.	CU. YD.
IL 8 Mainline Station 270+50 to 283+97 LT	90.9	68.2	1072.6	1004.4
Earthwork Total	91			1004

REMOVALS			
LOCATION	PAVEMENT REMOVAL	MEDIAN REMOVAL	PAVED SHOULDER REMOVAL
	SQ. YD.	SQ. FT.	SQ. YD.
IL 8			
STA. 271+00 TO STA. 282+45.56 LT			1280
STA. 283+98.22 TO STA. 284+45.36 LT (MEDIAN)	23	251	
BUS. US 24 (McCLUGGAGE RD.)			
STA. 494+18.46 TO STA. 494+72.12	219	878	210
TOTALS	242	1129	1490

LOCATION	EROSION CONTROL BLANKET	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECTION	PERIMETER EROSION BARRIER
	SQ. FT.	FT.	EACH	FT.
IL 8				
STA. 271+00 TO 283+97 LT	794	144	11	350
BUS. US 24 (McCLUGGAGE RD.)				
STA. 494+02 TO 494+14				35
TOTALS	794	144	11	385

LOCATION	DETECTABLE WARNINGS
	SQ. FT.
BUS. US 24 (McCLUGGAGE RD.)	
STA. 494+31.43 TO STA. 494+72.12	93
TOTALS	93

LOCATION	GRADING AND SHAPING DITCHES
	FOOT
BUS US 24 STA 494+00 TO STA 494+42 (MEDIAN)	42
TOTAL	42

STORM SEWER REMOVALS				
LOCATION		REMOVING INLETS	STORM SEWER REMOVAL	REMOVE CONCRETE END SECTION
		EACH	FT.	EACH
STA 278+00.5	LT	1	24	1
STA 281+50	LT	1	40	1
TOTALS		2	64	2

LOCATION	FURNISH & PLACE TOPSOIL, 4"	SEEDING, CLASS A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	TEMPORARY EROSION CONTROL SEEDING
	SQ. YD.	ACRE	POUND	POUND	POUND	ACRE	SQ. YD.	UNIT	POUND
IL 8									
STA 271+00 to STA 283+97 LT	3,584.00	0.75	74	74	74	0.75	560.1	5.6	363
TOTALS	3,584	0.75	74	74	74	0.75	560	5.6	363

FILE NAME = D412345-ght-schedule.dgn

USER NAME = boyer:mj
 PLOT SCALE = 48,0000' / 1" =
 PLOT DATE = 12/19/2011

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36)N-1	TAZEWELL	60	14
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A66	

RESURFACING SCHEDULE										
STATION TO STATION			WIDTH	LENGTH	AREA	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL, 1 1/2"	POLY BIT. MATERIALS (PRIME COAT)	POLY HMA SURFACE CSE., MIX "E", N50 (1 1/2")	MATERIAL TRANSFER DEVICE
			FT	FT	SQ. YD.	SQ. YD.	SQ. YD.	TON	TON	TON
OUTSIDE (DRIVING) LANE OF WB IL 8										
271+00.00 (AH)	TO	285+07.50	12.3	1407.5	1923.6	28.0	1896.0	0.7	162.0	162.0
IL 8 / BUS US 24 (McCLUGGAGE RD.)										
493+36.00	TO	494+75.67	VARIES	VARIES	1064.0	74.0	990.0	0.4	89.0	89.0
TOTAL						102	2886	1.1	251	251

NOTES: BUTT JOINTS ARE 10 FEET LONG. THERE IS ONE 12.3 FOOT WIDE BUTT JOINT AT EACH END OF THE WORK ON IL 8 AND TWO BUTT JOINTS AT THE NORTH END OF McCLUGGAGE ROAD WORK. HMA SHOULDERS ON McCLUGGAGE ROAD SHALL BE MILLED AND OVERLAYED THE SAME AS THE PAVEMENT. THE QUANTITIES FOR THE SHOULDER WORK ARE INCLUDED IN THIS SCHEDULE. APPLICATION RATE FOR HMA SURFACE COURSE : 112 LBS. PER SQ. YD. PER INCH APPLICATION RATE FOR POLY BIT. MATERIALS PRIME COAT: 0.00034 TONS PER SQ. YD.

LOCATION	CONCRETE MEDIAN, TYPE SB 6.24	CONCRETE MEDIAN, TYPE SB 9.24	COMB CONC. CURB & GUTTER, TYPE B 6.24	CLASS SI CONCRETE (OUTLET)	PCC BASE COURSE WIDENING 11"	PCC SIDEWALK 4"
	SQ. FT.	SQ. FT.	FT	CU. YD.	SQ. YD.	SQ. FT.
IL 8						
STA. 271+00 TO STA. 283+80 LT						12,720
STA. 271+13 TO STA. 282+45.6 LT			1042.0			
STA. 283+98.22 TO STA. 283+45.36 LT (MEDIAN)		453.0				
BUS. US 24						
STA. 494+00 TO STA. 494+40.62 LT & RT (IN MEDIAN)				11.4		
STA. 494+13.7 TO IL 8 STA. 282+45.6 (AROUND RADIUS)			152.1			
STA. 494+33.62 TO STA. 494+69.01 RT (ISLAND)	586.2					
STA. 494+39.42 TO STA. 494+65.82 (MEDIAN)	521.1					
STA. 494+55.41 TO STA. 494+72.12 LT (ISLAND)	370.7					
STA. 493+86.7 TO IL 8 STA. 282+72.4 AROUND RADIUS					33.8	
STA. 494+19.15 TO STA. 494+69.91 (AROUND MEDIAN)					30.7	
STA. 494+28.35 TO STA. 494+65.07 RT (AROUND ISLAND)					74.3	
TOTAL	1478	453	1194	11.4	139	12,720

PAVEMENT MARKINGS	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID- LINE 6"	URETHANE PAVEMENT MARKING- LETTERS & SYMBOLS	URETHANE PAVEMENT MARKING-LINE 4"		URETHANE PAVEMENT MARKING-LINE 8"		URETHANE PAVEMENT MARKING-LINE 12"		URETHANE PAVEMENT MARKING-LINE 24"	RAISED REFLECTIVE PAVEMENT MARKERS	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	PAVEMENT MARKING REMOVAL
			DIAGONAL 20' O.C.	STOP BAR	YELLOW	WHITE	YELLOW	WHITE				
LOCATION	WHITE SKIP FOOT	WHITE SQ FT	YELLOW FOOT	WHITE FOOT	WHITE FOOT	WHITE SKIP DASH FOOT	YELLOW FOOT	WHITE FOOT	WHITE FOOT	EACH	EACH	SQ FT
IL 8	357.5	44	102	1600.1	363	108			62.3	18	18	98.5
BUS. US 24 (McCLUGGAGE RD.)	25		153.6	317.1	554			107.1	48.6	10	2	
SUBTOTALS	382.5	44	255.6	1917.2	917	108	0	107.1	110.9	28	20	98.5
TOTALS	383	44	2173		1025			107	111	28	20	99

LOCATION	SHORT TERM PAVEMENT MARKING (2 APPLICATIONS)
	FOOT
IL 8	544
BUS. US 24 (McCLUGGAGE RD.)	898
TOTALS	1442

LOCATION	WORK ZONE PAVEMENT MARKING REMOVAL
	SQ FT
IL 8	91
BUS. US 24 (McCLUGGAGE RD.)	149
TOTALS	240

LOCATION	PRISMATIC CURB REFLECTOR
	EACH
IL 8	10
BUS. US 24 (McCLUGGAGE RD.)	34
TOTALS	44

FILE NAME = D412345-shr-schedule.dgn

USER NAME = boyermj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 12/19/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36)N-1	TAZEWELL	60	17
			CONTRACT NO. 68A66	
ILLINOIS FED. AID PROJECT				

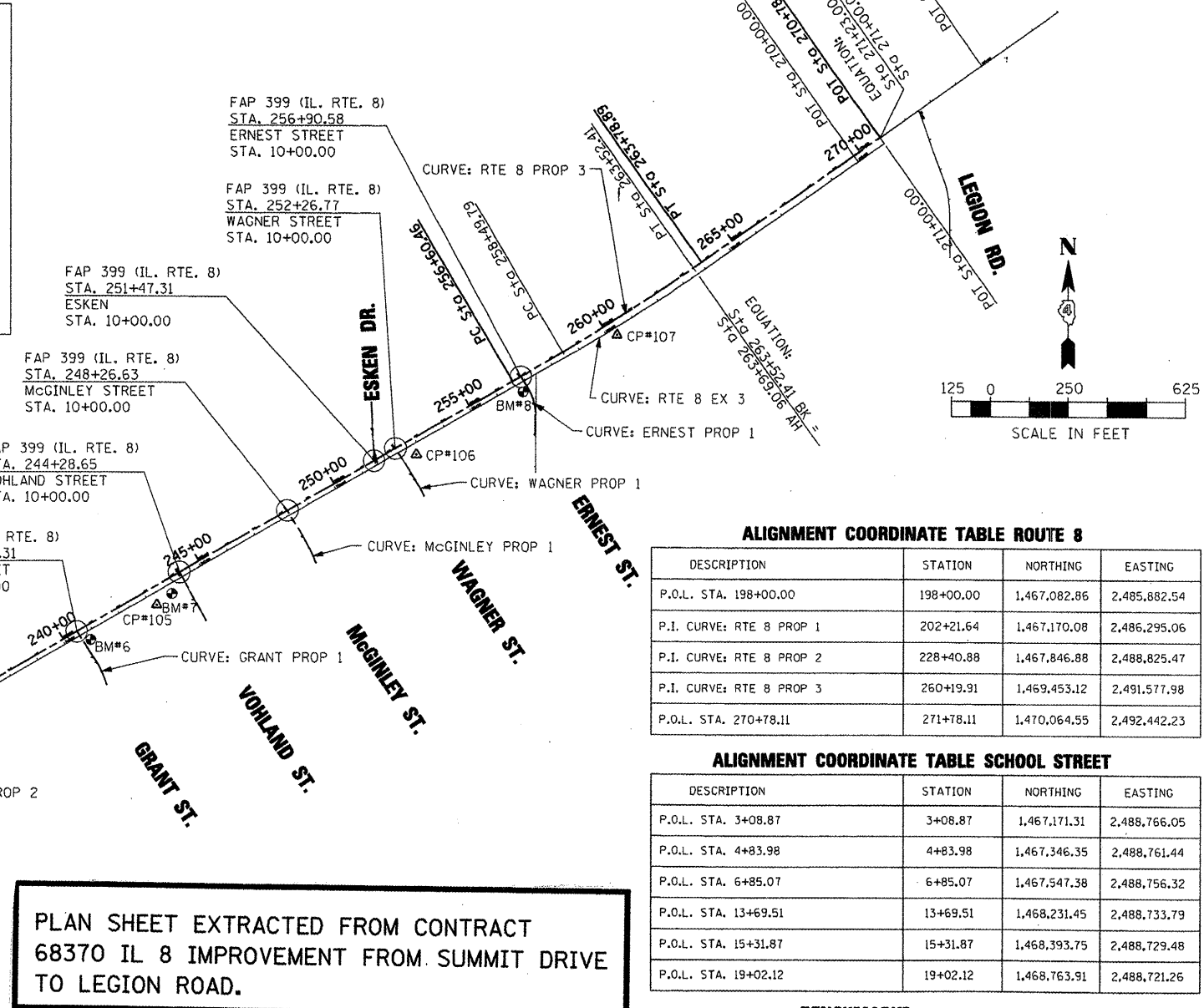
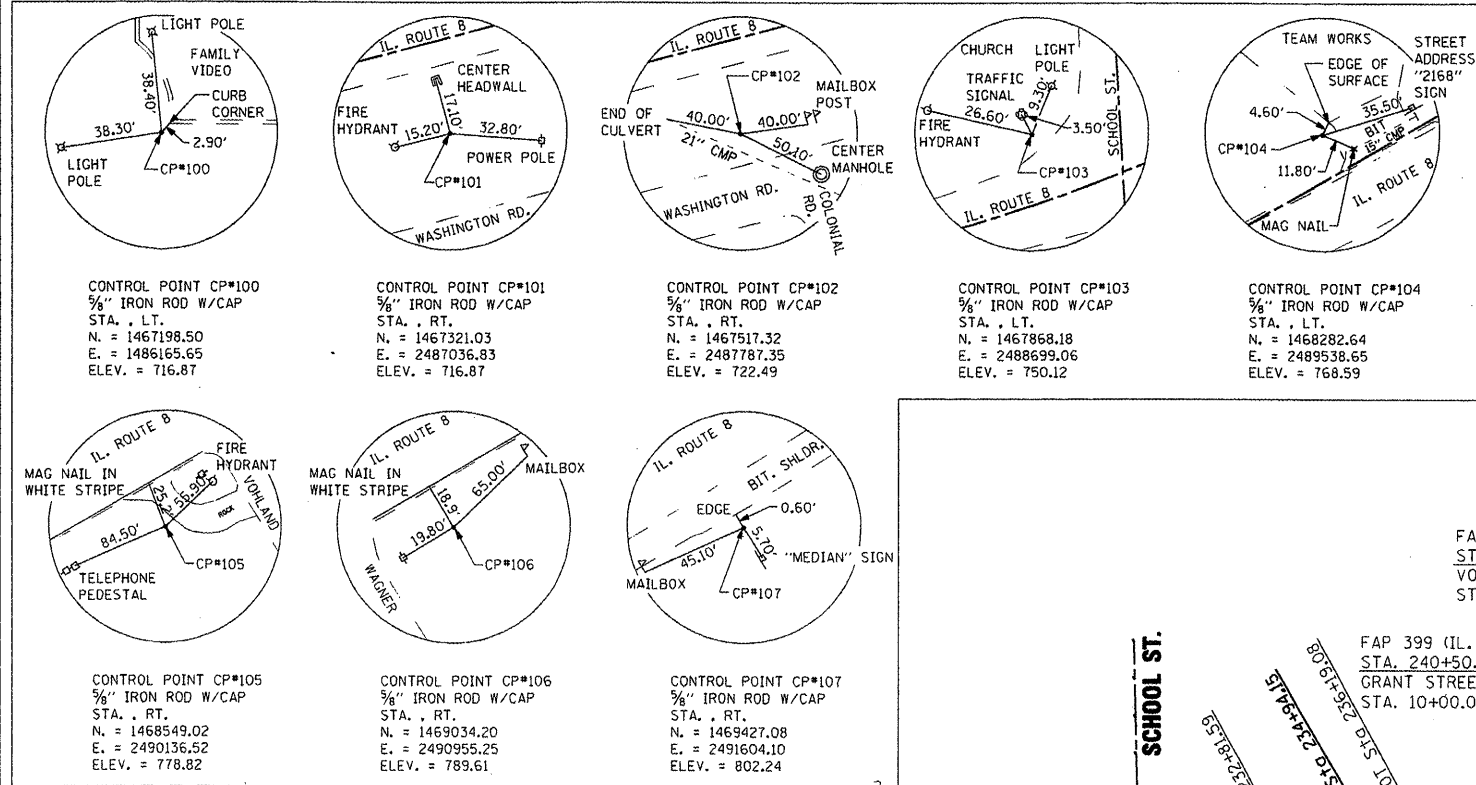
PROPOSED CURVE DATA

CURVE: RTE 8 PROP 1 PI STA. = 202+21.64 Δ = 3° 02' 07" (LT) D = 0° 34' 23" R = 10,000.00' T = 264.95' L = 529.78' E = 3.51' P.C. STA = 199+56.69 P.T. STA = 204+86.47	CURVE: RTE 8 PROP 2 PI STA. = 228+40.88 Δ = 15° 18' 11" (LT) D = 0° 09' 51" R = 4,921.25' T = 661.14' L = 1,314.41' E = 44.21' P.C. STA = 221+79.74 P.T. STA = 234+94.15	CURVE: RTE 8 PROP 3 PI STA. = 260+19.91 Δ = 5° 01' 07" (LT) D = 0° 41' 55" R = 8,202.10' T = 359.44' L = 718.43' E = 7.87' P.C. STA = 256+60.46 P.T. STA = 263+78.89	CURVE: GRANT PROP 1 PI STA. = 8+58.62 Δ = 12° 14' 33" (LT) D = 17° 56' 14" R = 319.42' T = 34.26' L = 68.25' E = 1.83' P.C. STA = 8+24.36 P.T. STA = 8+92.61	CURVE: MCGINLEY PROP 1 PI STA. = 8+36.44 Δ = 11° 21' 47" (LT) D = 18° 12' 58" R = 314.53' T = 31.29' L = 62.38' E = 1.55' P.C. STA = 8+05.15 P.T. STA = 8+67.53	CURVE: WAGNER PROP 1 PI STA. = 8+47.80 Δ = 5° 32' 27" (LT) D = 9° 48' 45" R = 583.00' T = 28.26' L = 56.47' E = 0.68' P.C. STA = 8+19.54 P.T. STA = 8+76.01	CURVE: ERNEST PROP 1 PI STA. = 9+09.77 Δ = 30° 17' 45" (LT) D = 44° 04' 25" R = 130.00' T = 35.19' L = 68.74' E = 4.68' P.C. STA = 8+74.58 P.T. STA = 9+43.32
---	--	--	--	---	---	---

EXISTING CURVE DATA

CURVE: RTE 8 EX 1 PI STA. = 200+32.94 Δ = 3° 02' 07" (LT) D = 0° 34' 00" R = 10,111.00' T = 267.89' L = 535.66' E = 3.55' P.C. STA. = 197+65.05 P.T. STA. = 203+00.71	CURVE: RTE 8 EX 2 PI STA. = 228+28.90 Δ = 13° 52' 36" (LT) D = 1° 31' 31" R = 3,756.69' T = 457.16' L = 909.85' E = 27.71' P.C. STA. = 223+71.74 P.T. STA. = 232+81.59	CURVE: RTE 8 EX 3 PI STA. = 261+01.26 Δ = 5° 01' 33" (LT) D = 1° 00' 00" R = 5,729.76' T = 251.47' L = 502.61' E = 5.52' P.C. STA. = 258+49.79 P.T. STA. = 263+52.41
---	--	--

CONTROL POINT TIES



ALIGNMENT COORDINATE TABLE ROUTE 8

DESCRIPTION	STATION	NORTHING	EASTING
P.O.L. STA. 198+00.00	198+00.00	1,467,082.86	2,485,882.54
P.I. CURVE: RTE 8 PROP 1	202+21.64	1,467,170.08	2,486,295.06
P.I. CURVE: RTE 8 PROP 2	228+40.88	1,467,846.88	2,488,825.47
P.I. CURVE: RTE 8 PROP 3	260+19.91	1,469,453.12	2,491,577.98
P.O.L. STA. 270+78.11	271+78.11	1,470,064.55	2,492,442.23

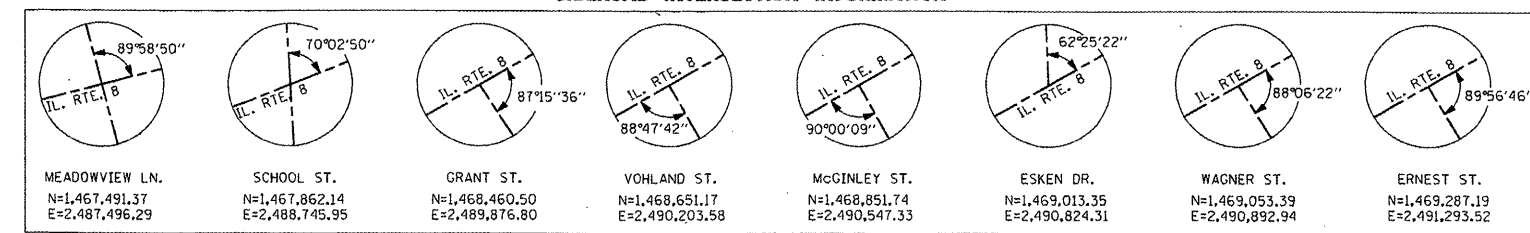
ALIGNMENT COORDINATE TABLE SCHOOL STREET

DESCRIPTION	STATION	NORTHING	EASTING
P.O.L. STA. 3+08.87	3+08.87	1,467,171.31	2,488,766.05
P.O.L. STA. 4+83.98	4+83.98	1,467,346.35	2,488,761.44
P.O.L. STA. 6+85.07	6+85.07	1,467,547.38	2,488,756.32
P.O.L. STA. 13+69.51	13+69.51	1,468,231.45	2,488,733.79
P.O.L. STA. 15+31.87	15+31.87	1,468,393.75	2,488,729.48
P.O.L. STA. 19+02.12	19+02.12	1,468,763.91	2,488,721.26

BENCHMARKS

BENCHMARK	DESCRIPTION	ELEVATION	STATION	OFFSET
BM#1	SOUTH CAP BOLT AT "M" IN MUELLER ON FIRE HYDRANT SOUTH SIDE IL. ROUTE 8	719.34	209+61	45.9' RT.
BM#2	CHISELED "C" IN NORTHEAST CORNER METAL RIM GAS VAULT SOUTH SIDE IL. ROUTE 8 AT CENTER MEADOWVIEW LANE	721.81	214+65	59.5' RT.
BM#3	SOUTH CAP BOLT AT "M" IN MUELLER ON FIRE HYDRANT NORTH SIDE IL. ROUTE 8 AT VERIZON BUILDING	737.75	222+08	58.1' LT.
BM#4	CHISELED "C" ON CONCRETE BASE OF CASEY'S STORE SIGN SOUTH SIDE IL. ROUTE 8	746.41	225+84	69.0' RT.
BM#5	CHISELED "X" ON CAP BOLT AT "T" IN ALBERTVILLE ON GREEN FIRE HYDRANT SOUTH SIDE IL. ROUTE 8 NEAR HOUSE #2181	763.62	233+05	60.3' RT.
BM#6	NORTH CAP BOLT AT "E" IN ALBERTVILLE ON FIRE HYDRANT EAST SIDE GRANT STREET	777.88	240+77	44.5' RT.
BM#7	NORTH CAP BOLT AT "E" IN ALBERTVILLE ON FIRE HYDRANT WEST SIDE VOHLAND STREET	781.50	243+75	46.0' RT.
BM#8	NORTH CAP BOLT AT "E" IN ALBERTVILLE ON FIRE HYDRANT WEST SIDE ERNEST STREET AT IL. ROUTE 8	798.13	256+73	45.7' RT.

SIDEROAD INTERSECTION INFORMATION



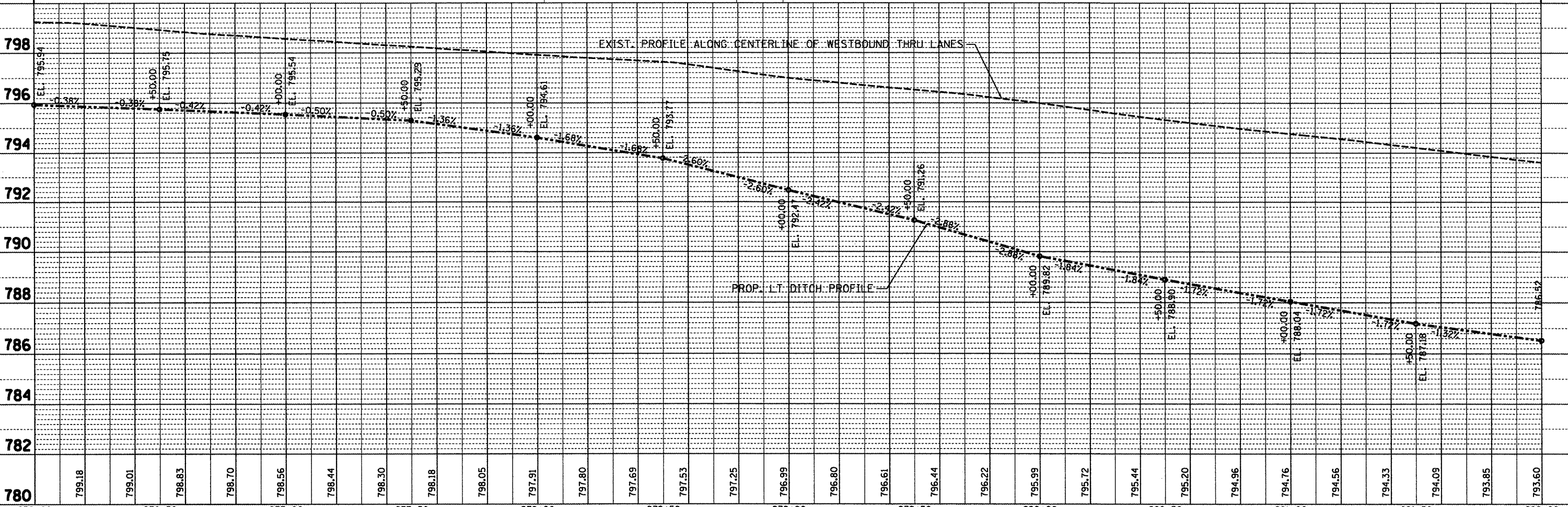
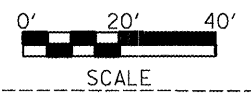
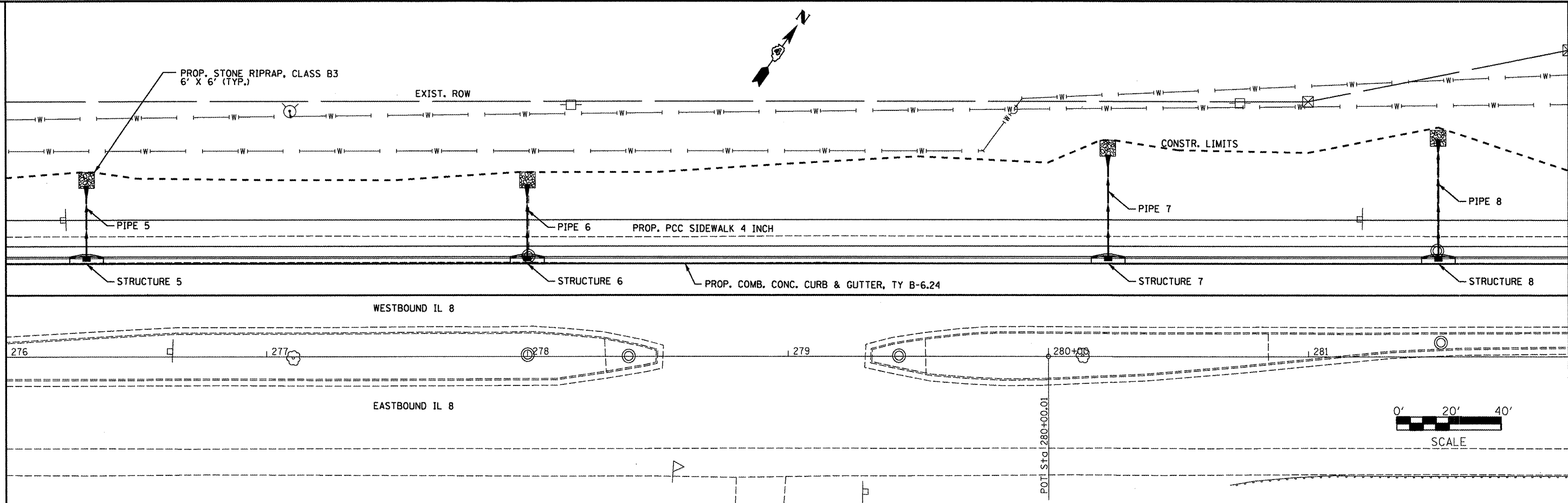
PLAN SHEET EXTRACTED FROM CONTRACT 68370 IL 8 IMPROVEMENT FROM SUMMIT DRIVE TO LEGION ROAD.

DATE	
BY	
SUBMITTED	
PLANNED	
NOTE BOOK	
NO.	
CADD FILE NAME	

DATE	
BY	
SUBMITTED	
PLANNED	
NOTE BOOK	
NO.	
STRUCTURE NOTATIONS CHRD	

MATCHLINE STA. 276+00

MATCHLINE STA. 282+00



780	799.18	799.01	798.83	798.70	798.56	798.44	798.30	798.18	798.05	797.91	797.80	797.69	797.53	797.25	796.99	796.80	796.61	796.44	796.22	795.99	795.72	795.44	795.20	794.96	794.76	794.56	794.33	794.09	793.85	793.60
276+00	276+50	277+00	277+50	278+00	278+50	279+00	279+50	280+00	280+50	281+00	281+50	282+00																		

FILE NAME = D468A66-Plan01.dgn

USER NAME = harrskj
 PLOT SCALE = 40.0000' / 1" / 1"
 PLOT DATE = 12/15/2011

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

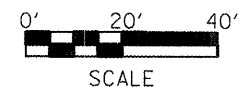
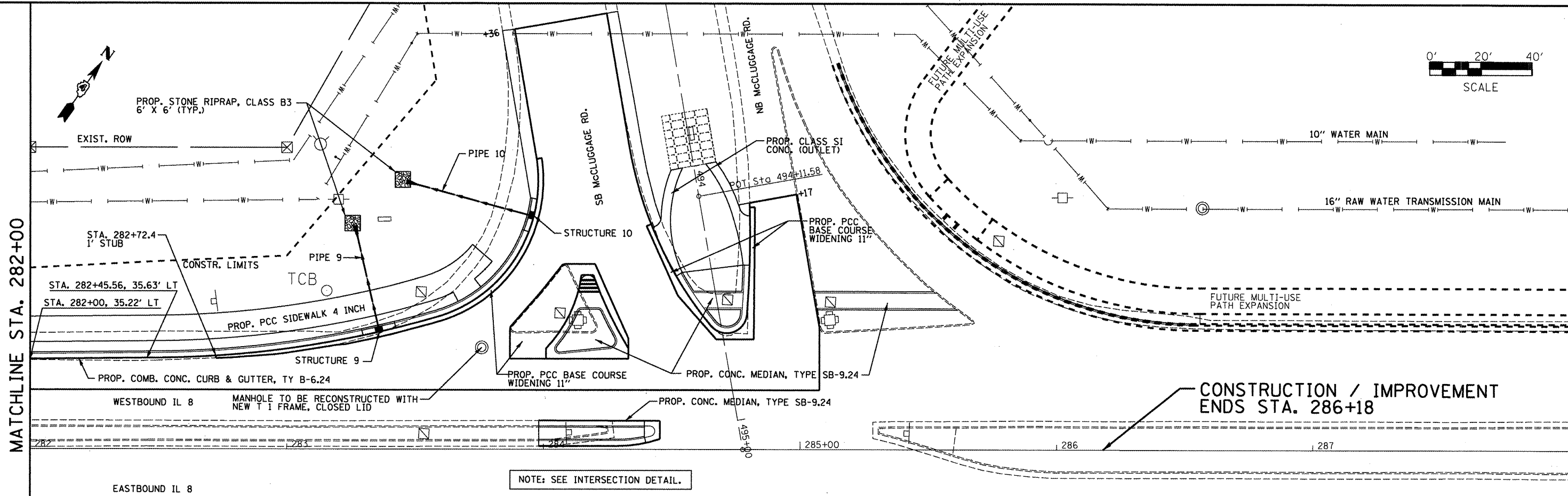
PROPOSED PLAN AND PROFILE

SCALE: 20 SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 399	SECTION (35,36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 20
CONTRACT NO. 68A66				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	NOTE BOOK	
	NO.	
	FILE NAME	

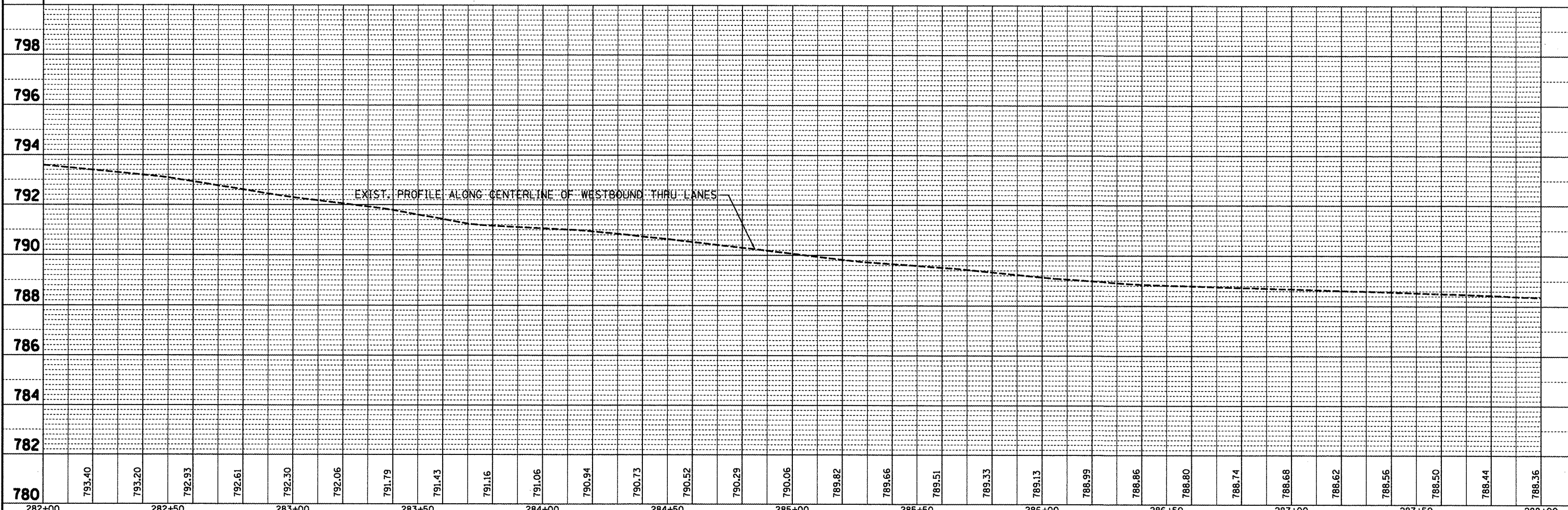
PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	NOTE BOOK	
	NO.	
	FILE NAME	



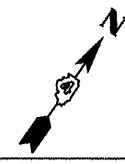
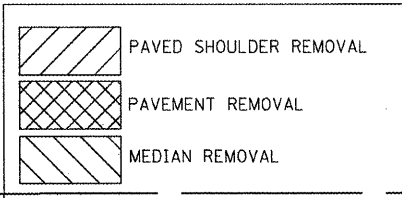
MATCHLINE STA. 282+00

CONSTRUCTION / IMPROVEMENT
ENDS STA. 286+18

NOTE: SEE INTERSECTION DETAIL.



FILE NAME = D468A66-P1a081.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED PLAN AND PROFILE		F.A.P. RTE. = 399	SECTION = (35,36)N-1	COUNTY = TAZEWELL	TOTAL SHEETS = 60	SHEET NO. = 21	
PLOT SCALE = 48.0000' / 1"	CHECKED -	REVISED -	REVISED -		SCALE: 20	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/19/2011	DATE -	REVISED -	REVISED -									



EXIST. ROW

CONSTR. LIMITS

10.0'

STA. 271+00.00
34.77' LT

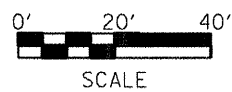
WESTBOUND IL 8

EASTBOUND IL 8

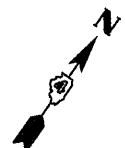
IMPROVEMENT BEGINS
STA. 271+00

CONSTRUCTION BEGINS
STA. 270+50

MATCHLINE STA. 276+00



SCALE



EXIST. ROW

CONSTR. LIMITS

10.0'

STA 278+00.50 LT
REMOVE INLET
STORM SEWER REMOVAL
REMOVE CONCRETE END SECTION

STA 281+50 LT
REMOVE INLET
STORM SEWER REMOVAL
REMOVE CONCRETE END SECTION

WESTBOUND IL 8

EASTBOUND IL 8

MATCHLINE STA. 276+00

MATCHLINE STA. 282+00

FILE NAME =
D468A66-Plan01.dgn

USER NAME = horatkj
PLOT SCALE = 40.0000' / in.
PLOT DATE = 12/17/2011

DESIGNED -
DRAWN -
CHECKED -
DATE -

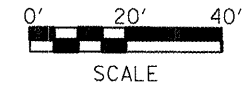
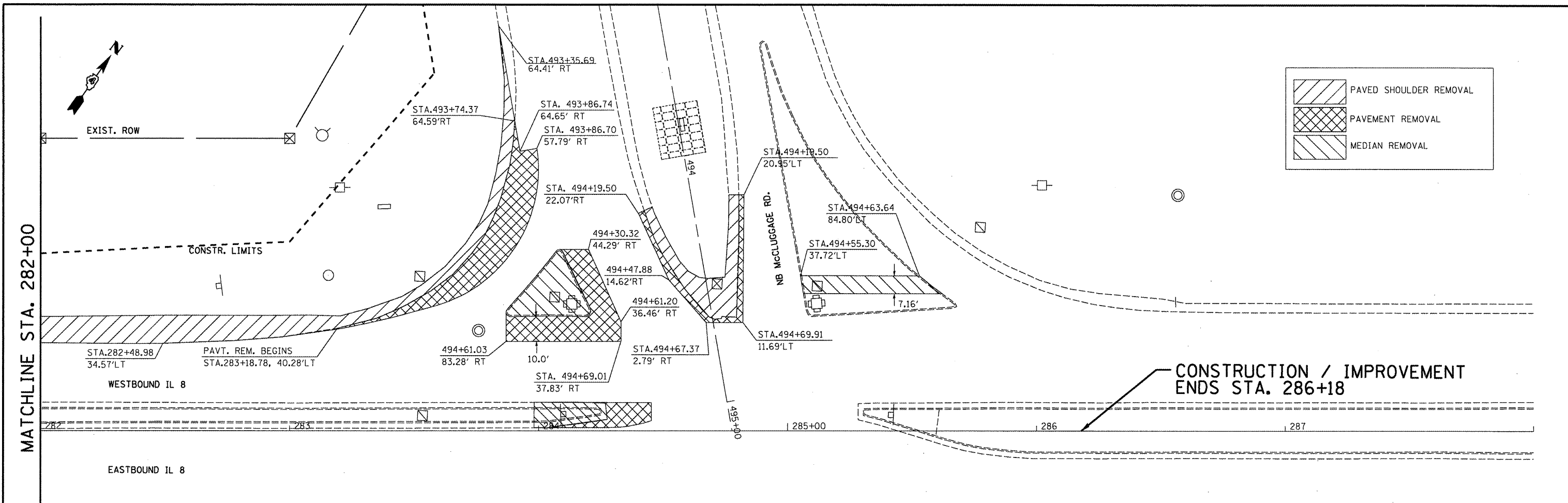
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

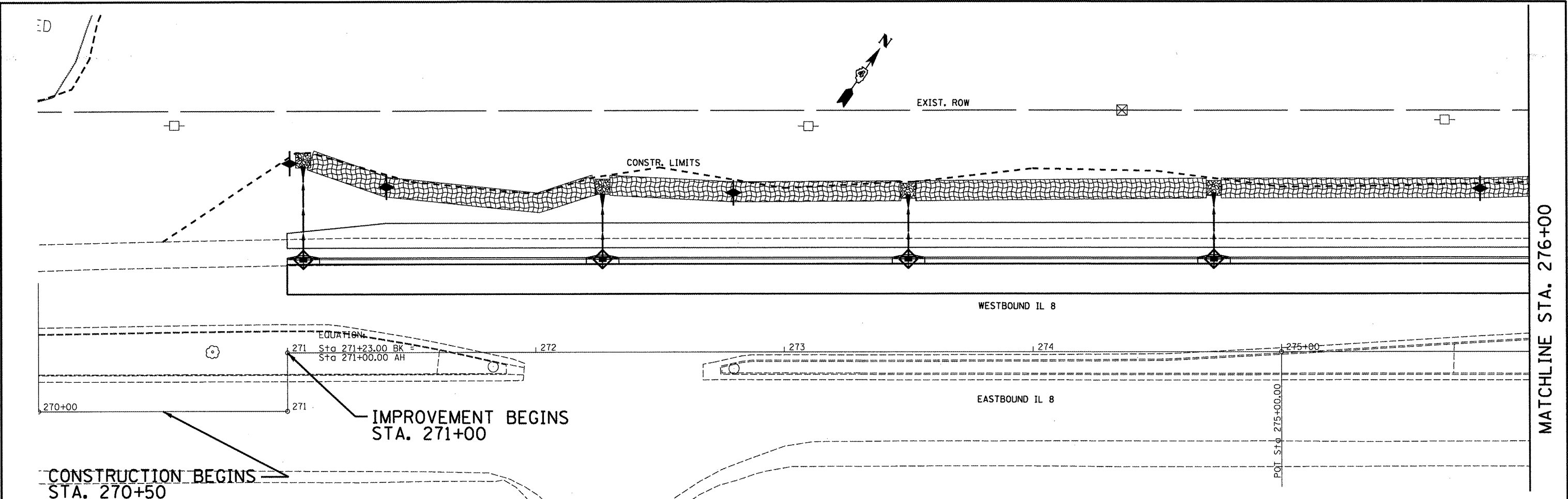
EXISTING AND REMOVAL

SCALE: SHEET OF SHEETS STA. TO STA.

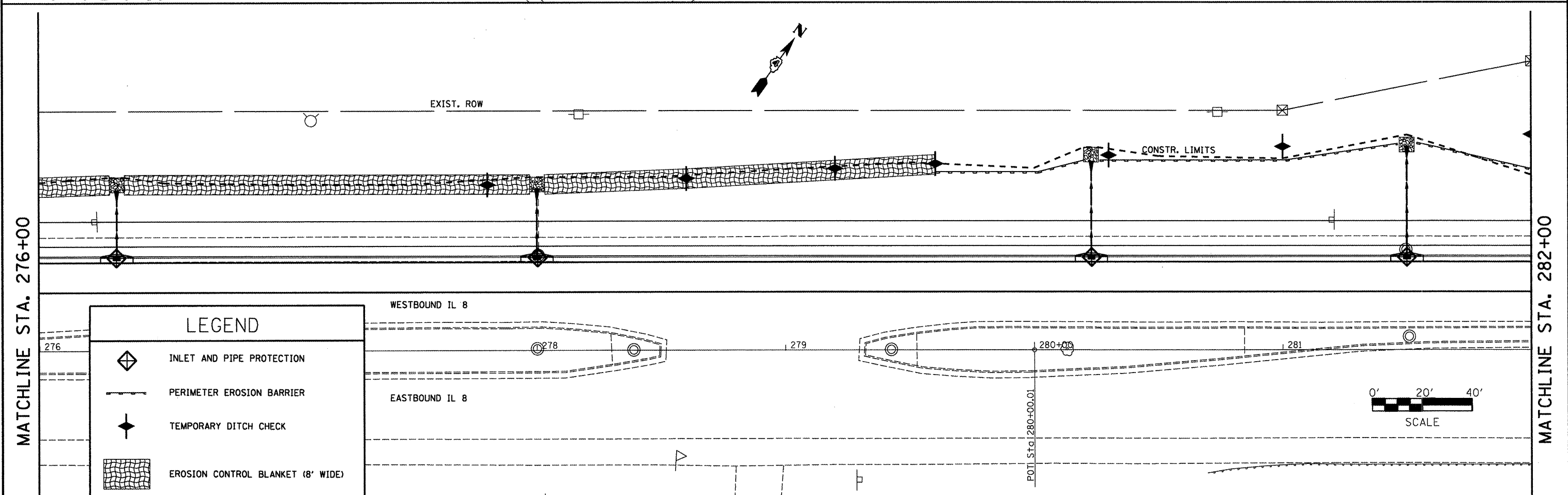
F.A.P. RTE. 399	SECTION (35,36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 22
CONTRACT NO. 68A66				
ILLINOIS FED. AID PROJECT				



FILE NAME = D468A66-Plan01.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND REMOVAL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -					399	(35,36)N-1	TAZEWELL	60	23
	PLOT DATE = 12/19/2011	CHECKED -	REVISED -					CONTRACT NO. 68A66				
	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	



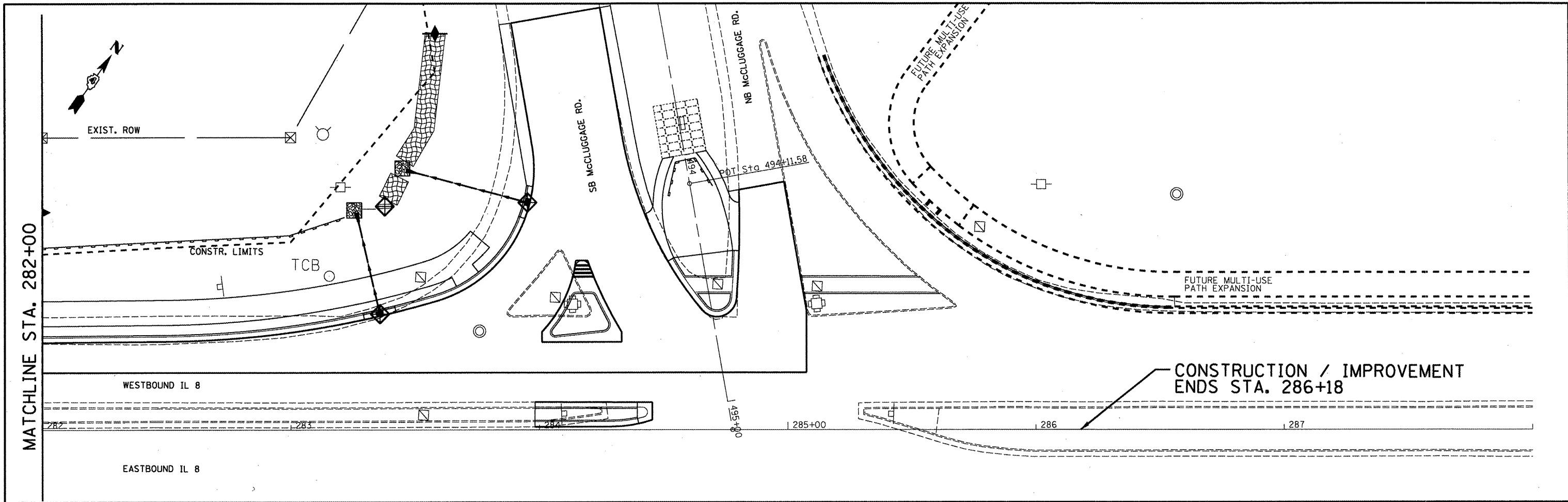
MATCHLINE STA. 276+00



MATCHLINE STA. 276+00

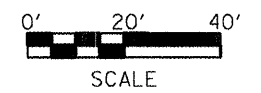
MATCHLINE STA. 282+00

FILE NAME = D468A66-Plan01.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN			F.A.P. RTE. 399	SECTION (35,36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 24
	PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 68A66
	PLOT DATE = 12/15/2011	CHECKED -	REVISED -									ILLINOIS FED. AID PROJECT
		DATE -	REVISED -									

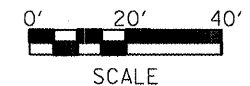
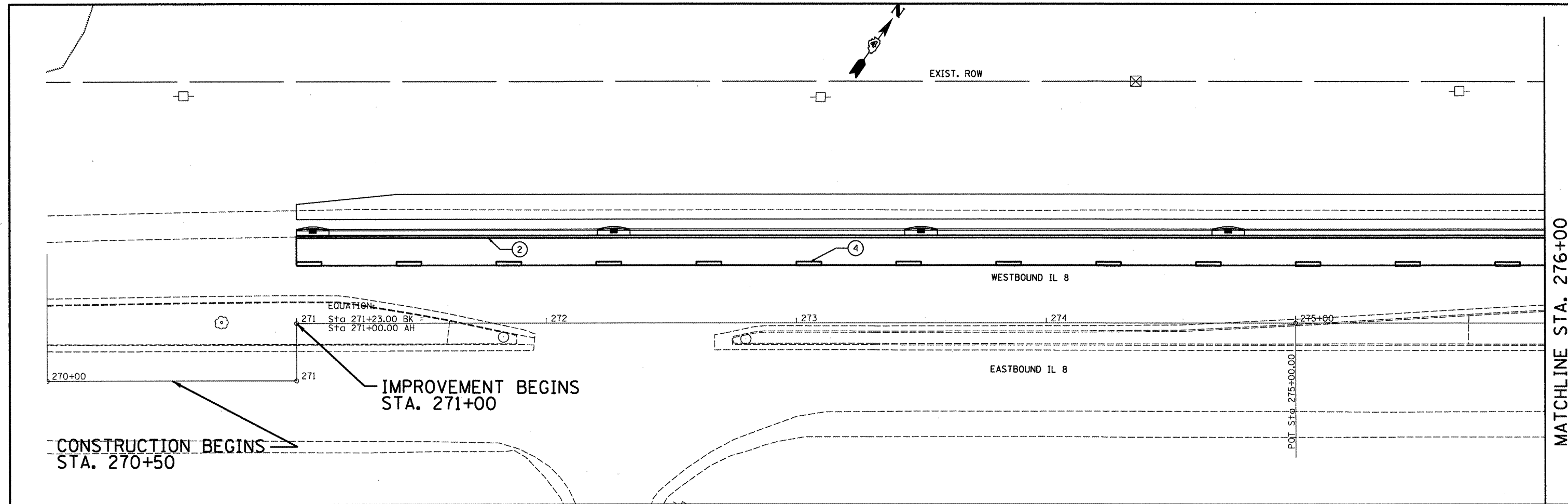


LEGEND

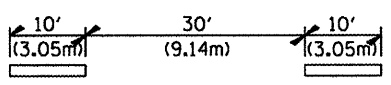
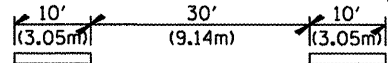
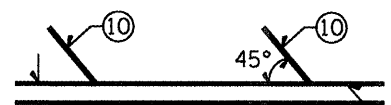
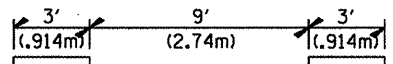
	INLET AND PIPE PROTECTION
	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK
	EROSION CONTROL BLANKET (8' WIDE)



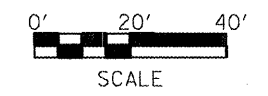
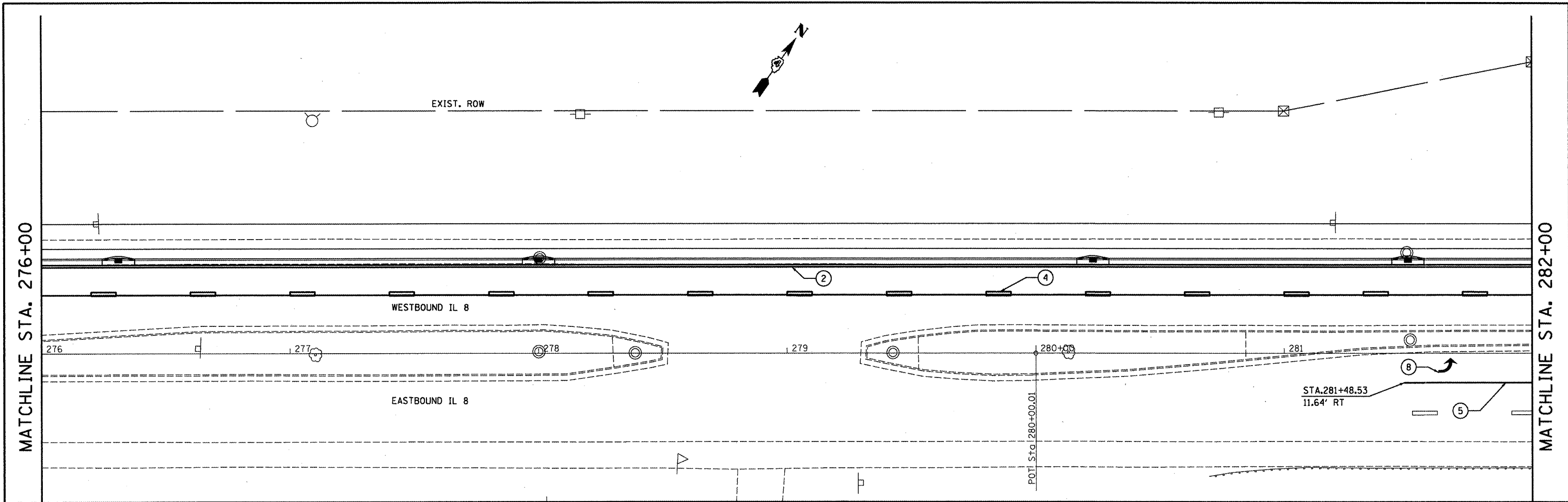
FILE NAME = D468A66-P1en01.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48.0000 / in.	DRAWN -	REVISED -			399	(35,36)N-1	TAZEWELL	60	25
	PLOT DATE = 12/19/2011	CHECKED -	REVISED -			CONTRACT NO. 68A66				
						ILLINOIS FED. AID PROJECT				



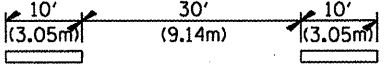
TYPICAL PAVEMENT MARKING LEGEND

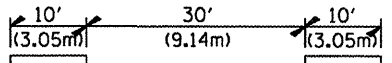
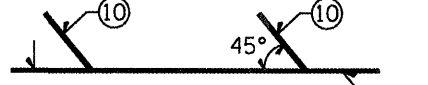
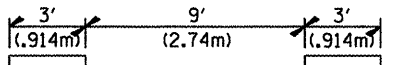
- | | |
|--|---|
| <ul style="list-style-type: none"> ① 4(100) Solid (Yellow) ② 4(100) Solid (White) ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.) ④ 6(150) Skip-Dash (White)  ⑤ 8(200) Solid (White) ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001) ⑦ 24(600) Stop Bar (White) | <ul style="list-style-type: none"> ⑧ Letters & Symbols ⑨ 4(100) Skip-Dash (Yellow)  ⑩ 12(300) Diagonal (Yellow)  ⑪ 8(200) Skip-Dash (White) 
11(280) C.-C. |
|--|---|

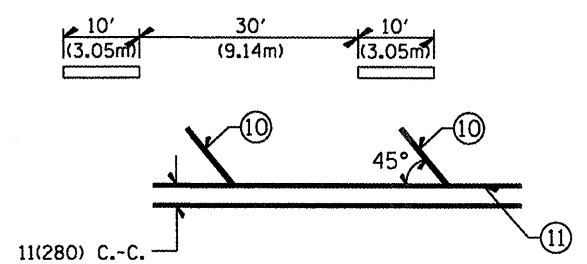
FILE NAME = D468A66-Plan81.dgn	USER NAME = horaskj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING DETAILS	F.A.P. RTE. 399	SECTION (35.36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 27
PLOT SCALE = 48.0000' / in.		DRAWN -		SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 68A66				
PLOT DATE = 12/17/2011		CHECKED -				ILLINOIS FED. AID PROJECT				
		DATE -								



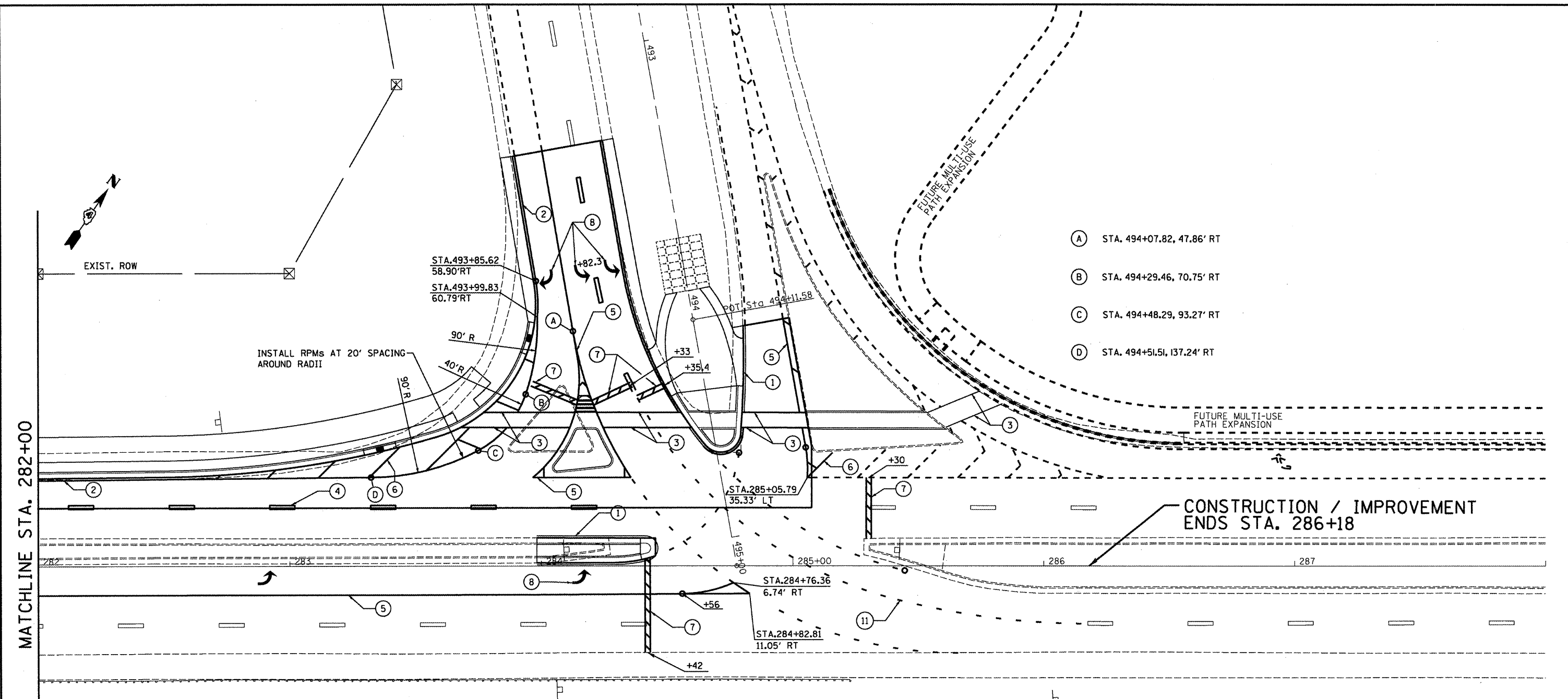
TYPICAL PAVEMENT MARKING LEGEND

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) 
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)

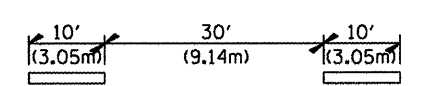
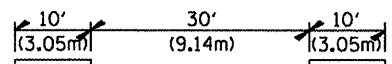

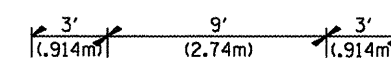
- ⑧ Letters & Symbols
- ⑨ 4(100) Skip-Dash (Yellow) 
- ⑩ 12(300) Diagonal (Yellow) 
- ⑪ 8(200) Skip-Dash (White) 

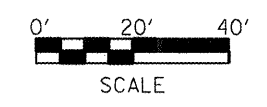


FILE NAME = D468A66-P1an01.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -				399	(35,36)N-1	TAZEWELL	60	28
	PLOT DATE = 12/17/2011	CHECKED -	REVISED -				CONTRACT NO. 68A66				
							ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) 
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Symbols
- ⑨ 4(100) Skip-Dash (Yellow) 
- ⑩ 12(300) Diagonal (Yellow) 
- ⑪ 8(200) Skip-Dash (White)  11(280) C.-C.



FILE NAME = D:\68A66-Plan\01.dgn
 USER NAME = horstkj
 PLOT SCALE = 40,0000' / in.
 PLOT DATE = 12/17/2011

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36)N-1	TAZEWELL	60	29
CONTRACT NO. 68A66				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTES

1. ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE .12" SINGLE LED LENSES.
2. THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 16 FT. MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
3. THE PROPOSED MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.
4. ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE ALUMINUM WITH A NATURAL FINISH.
5. ALL TRAFFIC SIGNAL POSTS ARE TO BE GALVANIZED STEEL.
6. THE #18 3-PAIR TWISTED/SHIELDED CABLE SHALL HAVE THE SAME SLACK AS OTHER SIGNAL CABLE AND WILL BE MEASURED FOR PAYMENT.
7. ALL DETECTOR LOOPS SHALL UTILIZE A SEPARATE PAIR OF LEAD-INS.
8. A TYPE II SPLICE SHALL BE USED FOR ALL DETECTOR LEAD-INS.
9. THE PROPOSED DETECTOR LOOPS SHALL BE CUT IN THE EXISTING PAVEMENT, MILLED SURFACE, OR BINDER COURSE BEFORE THE FINAL OVERLAY. THE RISER AREA SHALL BE CHIPPED OUT AND FILLED WITH EPOXY. THIS WORK SHALL BE INCLUDED IN PRICE FOR DETECTOR LOOPS.
10. ALL DETECTOR LOOPS SHALL BE INSTALLED IN THE CENTER OF THEIR RESPECTIVE TRAVEL LANES. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR VERIFICATION OF DETECTOR PLACEMENT BEFORE INSTALLATION.
11. PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE HANDHOLES.
12. 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.
13. THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.
14. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC CONDUIT.
15. THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SO THAT THE DOOR IS FACING AWAY FROM TRAFFIC.
16. THE DOUBLE HANDHOLE SHALL NOT BE USED IN LIEU OF THE CONTROLLER FOUNDATION PAD.
17. 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.
18. ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATION.
19. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
20. ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS SHALL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
21. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
22. 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.
23. ALL TRAFFIC SIGNAL MAST ARMS, POSTS, HANDHOLE LIDS AND RINGS, HANDHOLE FRAMES, CONTROLLER CABINETS, AND PHOTOCCELL RELAYS SHALL BE GROUNDED IN ACCORDANCE WITH NEC REQUIREMENTS.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING DEPARTMENT LIGHTING AND TRAFFIC SIGNAL FACILITIES. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE.
25. THE PROPOSED CONDUIT SHALL BE COUPLED TO THE EXISTING CONDUIT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PROPOSED CONDUIT PAY ITEMS.
26. THE CONTRACTOR SHALL REMOVE ALL SIGNS FROM THE EXISTING MAST ARM AND TRAFFIC SIGNAL POSTS AND INSTALL THEM ON THE PROPOSED MAST ARMS AND PROPOSED TRAFFIC SIGNAL POSTS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED MAST ARMS AND TRAFFIC SIGNAL POSTS.

SCHEDULE OF QUANTITIES - US 24 (MCCLUGAGE RD.) & IL 8/BUS 24 (WASHINGTON RD.)				
ITEM DESCRIPTION	UNIT	TOTAL QTY.	TRAFFIC SIGNALS	OVERHEAD LIGHTING
SERVICE INSTALLATION, TYPE B	EACH	1	1	
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	1370	1370	
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	160	160	
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	1	
ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 1/C NO. 6	FOOT	1632.5	848.5	784
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH	3		3
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1273	1273	
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1063.5	1063.5	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	1442	1442	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	2	2	
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1	1	
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1	1	
CONCRETE FOUNDATION, TYPE A	FOOT	3	3	
CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	10	10	
CONCRETE FOUNDATION, TYPE E, 42-INCH DIAMETER	FOOT	21	21	
DRILL EXISTING HANDHOLE	EACH	4	4	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6	6	
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3	3	
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1	1	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2	2	
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	7	7	
INDUCTIVE LOOP DETECTOR	EACH	10	10	
DETECTOR LOOP, TYPE I	FOOT	399	399	
PEDESTRIAN PUSH-BUTTON	EACH	2	2	
MODIFY EXISTING CONTROLLER CABINET	EACH	1	1	
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
REBUILD EXISTING HANDHOLE	EACH	1	1	
REMOVE EXISTING HANDHOLE	EACH	2	2	
REMOVE EXISTING CONCRETE FOUNDATION	EACH	2	2	
PHOTOCCELL RELAY	EACH	1		1
REBUILD EXISTING HANDHOLE, SPECIAL	EACH	1	1	
COMMUNICATIONS VAULT	EACH	1	1	
TRAFFIC SIGNAL BATTERY BACKUP SYSTEM	EACH	1	1	

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.

NOT TO SCALE
TRAFFIC SIGNALS
SHEET 1 OF 10

EXISTING TRAFFIC SIGNAL AND REMOVAL NOTES

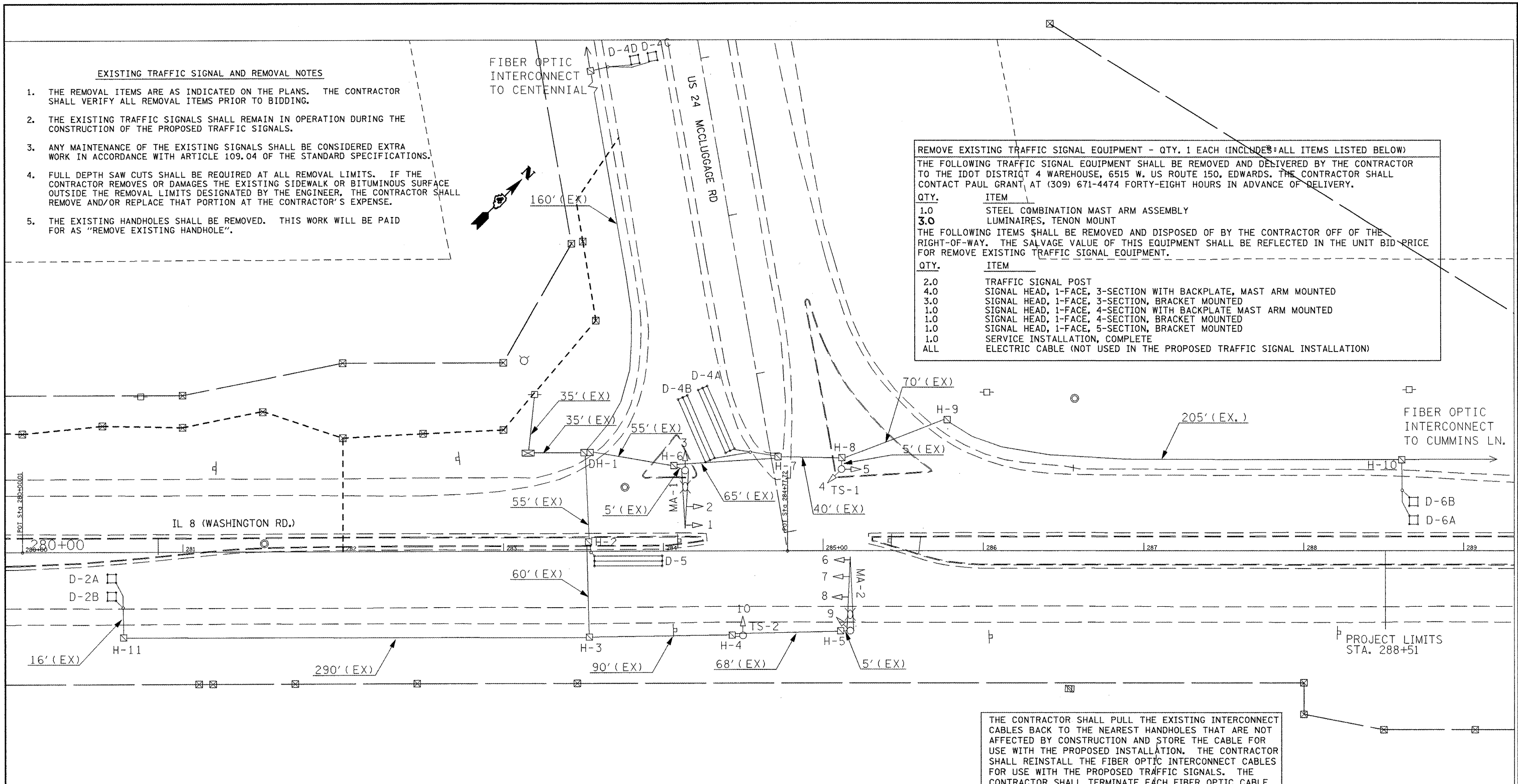
1. THE REMOVAL ITEMS ARE AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL REMOVAL ITEMS PRIOR TO BIDDING.
2. THE EXISTING TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED TRAFFIC SIGNALS.
3. ANY MAINTENANCE OF THE EXISTING SIGNALS SHALL BE CONSIDERED EXTRA WORK 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".

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 IDOT DISTRICT 4 WAREHOUSE, 6515 W. US ROUTE 150, EDWARDS. THE CONTRACTOR SHALL CONTACT PAUL GRANT, AT (309) 671-4474 FORTY-EIGHT HOURS IN ADVANCE OF DELIVERY.

QTY.	ITEM
1.0	STEEL COMBINATION MAST ARM ASSEMBLY
3.0	LUMINAIRES, TENON MOUNT

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
2.0	TRAFFIC SIGNAL POST
4.0	SIGNAL HEAD, 1-FACE, 3-SECTION WITH BACKPLATE, MAST ARM MOUNTED
3.0	SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
1.0	SIGNAL HEAD, 1-FACE, 4-SECTION WITH BACKPLATE MAST ARM MOUNTED
1.0	SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED
1.0	SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED
1.0	SERVICE INSTALLATION, COMPLETE
ALL	ELECTRIC CABLE (NOT USED IN THE PROPOSED TRAFFIC SIGNAL INSTALLATION)



THE CONTRACTOR SHALL PULL THE EXISTING INTERCONNECT CABLES BACK TO THE NEAREST HANDHOLES THAT ARE NOT AFFECTED BY CONSTRUCTION AND STORE THE CABLE FOR USE WITH THE PROPOSED INSTALLATION. THE CONTRACTOR SHALL REINSTALL THE FIBER OPTIC INTERCONNECT CABLES FOR USE WITH THE PROPOSED TRAFFIC SIGNALS. THE CONTRACTOR SHALL TERMINATE EACH FIBER OPTIC CABLE WITH SIX NEW ST CONNECTORS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- EXISTING TRAFFIC SIGNAL LEGEND**
- ☐ EX. HANDHOLE
 - EX. CONDUIT
 - ▭ EX. DETECTOR LOOP (6' X 50' QUAD)
 - ▭ EX. DETECTOR LOOP (6' X 6')
 - ☒ EX. CONTROLLER CABINET
 - ☐ EX. ELECTRICAL SERVICE
 - ⤴ EX. TRAFFIC SIGNAL HEAD
 - ⤴ EX. TRAFFIC SIGNAL HEAD W/ BACKPLATE
 - ⤴ EX. STL COMB MAST ARM ASSEMBLY AND POLE
 - ⊗ EX. LUMINAIRE

REMOVE EXISTING HANDHOLE - QTY. 2.0 EA.
 QTY. LOCATIONS
 1.0 EA. HH-6, HH-7

REMOVE EXISTING CONCRETE FOUNDATIONS - QTY. 2.0 EA.
 QTY. LOCATIONS
 1.0 EA. MA-1, TS-2

SCHEDULE OF QUANTITIES		
ITEM DESCRIPTION	UNIT	QUANTITY
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0
REMOVE EXISTING CONCRETE FOUNDATIONS	EACH	2.0
REMOVE EXISTING HANDHOLE	EACH	2.0

NOT TO SCALE
 TRAFFIC SIGNALS
 SHEET 2 OF 10

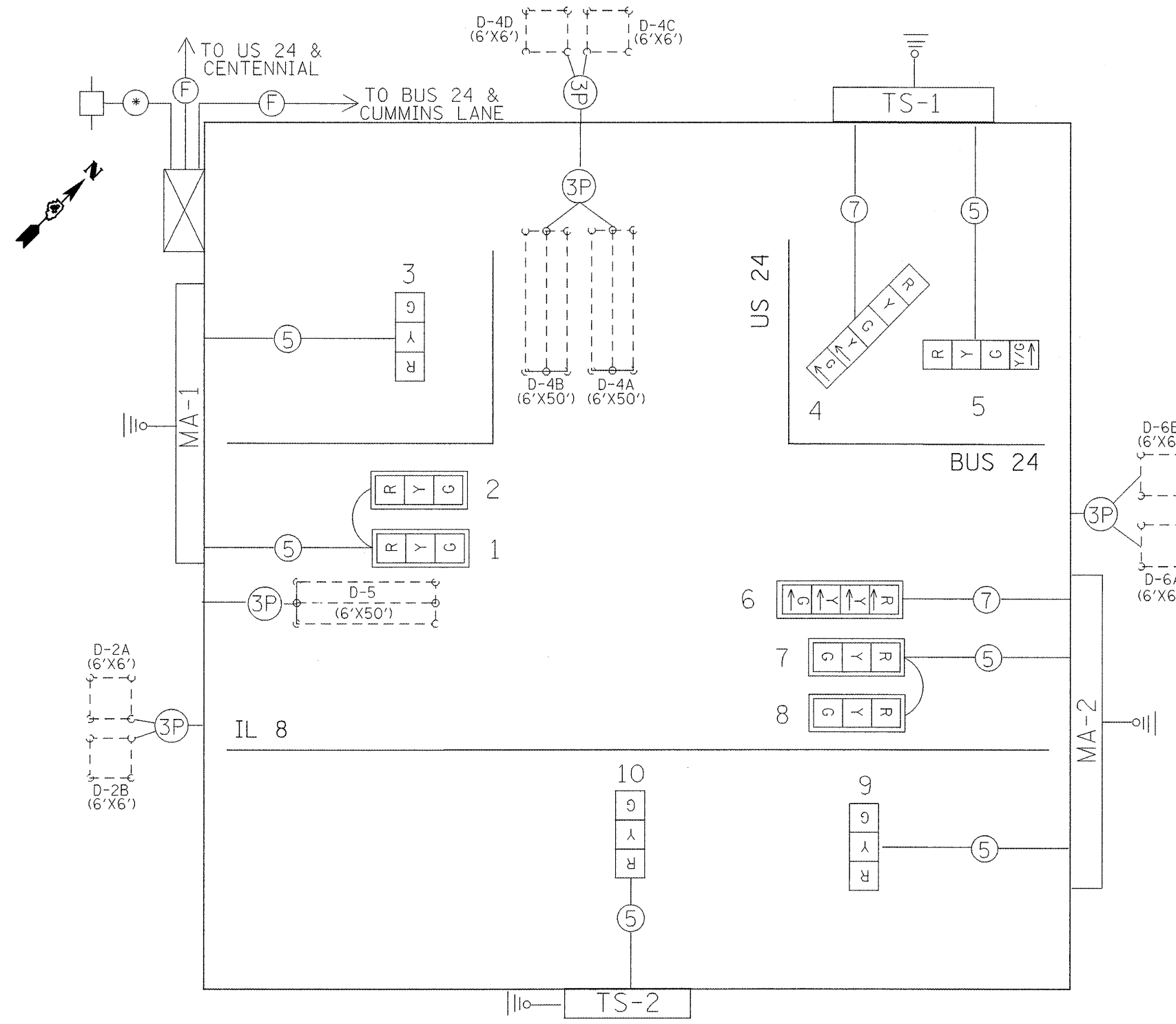
FILE NAME =	USER NAME = boyernj	DESIGNED -	REVISED -
68A66 - Business 24 IL 8 Traffic Signals	Final 12-16-11.dgn	DRAWN -	REVISED -
PLOT SCALE = 68.2748' / 1"		CHECKED -	REVISED -
PLOT DATE = 12/16/2011		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNALS
 US 24 (MCCLUGAGE RD.) & IL 8 / BUS 24 (WASHINGTON RD.)**

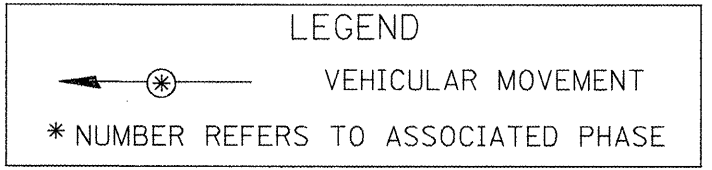
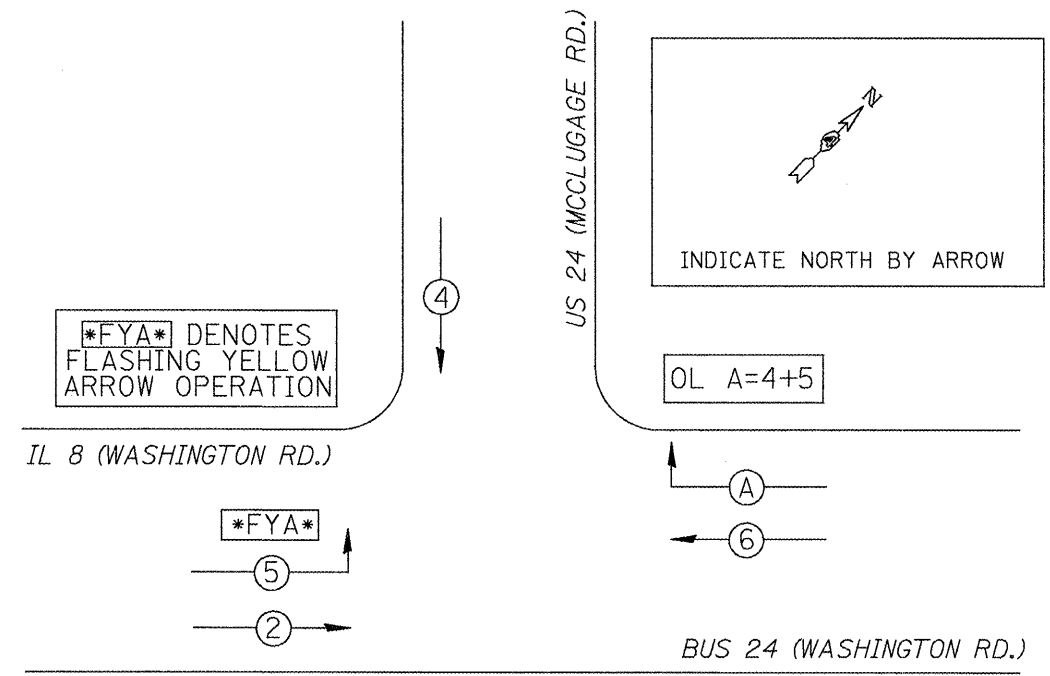
F.A.P. RTE. 399	SECTION (35,36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 31
CONTRACT NO. 68A66			ILLINOIS FED. AID PROJECT	

EXISTING CABLE DIAGRAM



EXISTING PHASE DIAGRAM

NAME OF INTERSECTION US 24 & IL 8/BUSINESS 24
 EXISTING CONTROLLER: SIEMENS SEPAC M52 (TS-2)
 TYPE IV CABINET, TS-1 BACKPANEL



TRAFFIC SIGNALS LEGEND

- EX. CONTROLLER (SIGNAL)
- *18 3-PR DETECTOR LOOP CABLE
- EX. DETECTOR LOOP (6'X6')
- EX. 3 SEC. SIGNAL HEAD W/BACKPLATE
- 5/C NO. 14 SIGNAL CABLE
- EX. DETECTOR LOOP (QUADRAPOLE)
- EX. 3 SEC. SIGNAL HEAD
- 7/C NO. 14 SIGNAL CABLE
- EX. SERVICE INSTALLATION
- EX. GROUND/SAFETY BOND

NOT TO SCALE
 TRAFFIC SIGNALS
 SHEET 3 OF 10

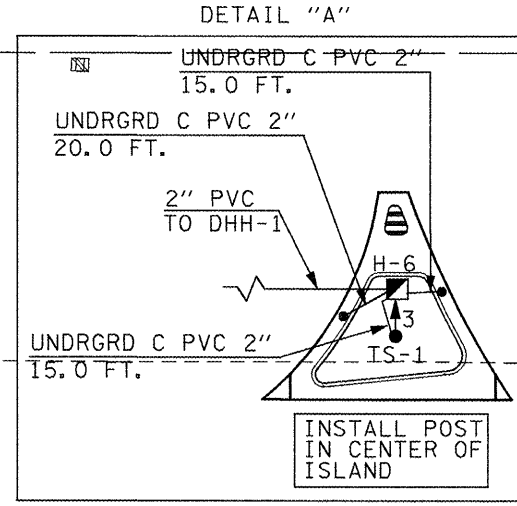
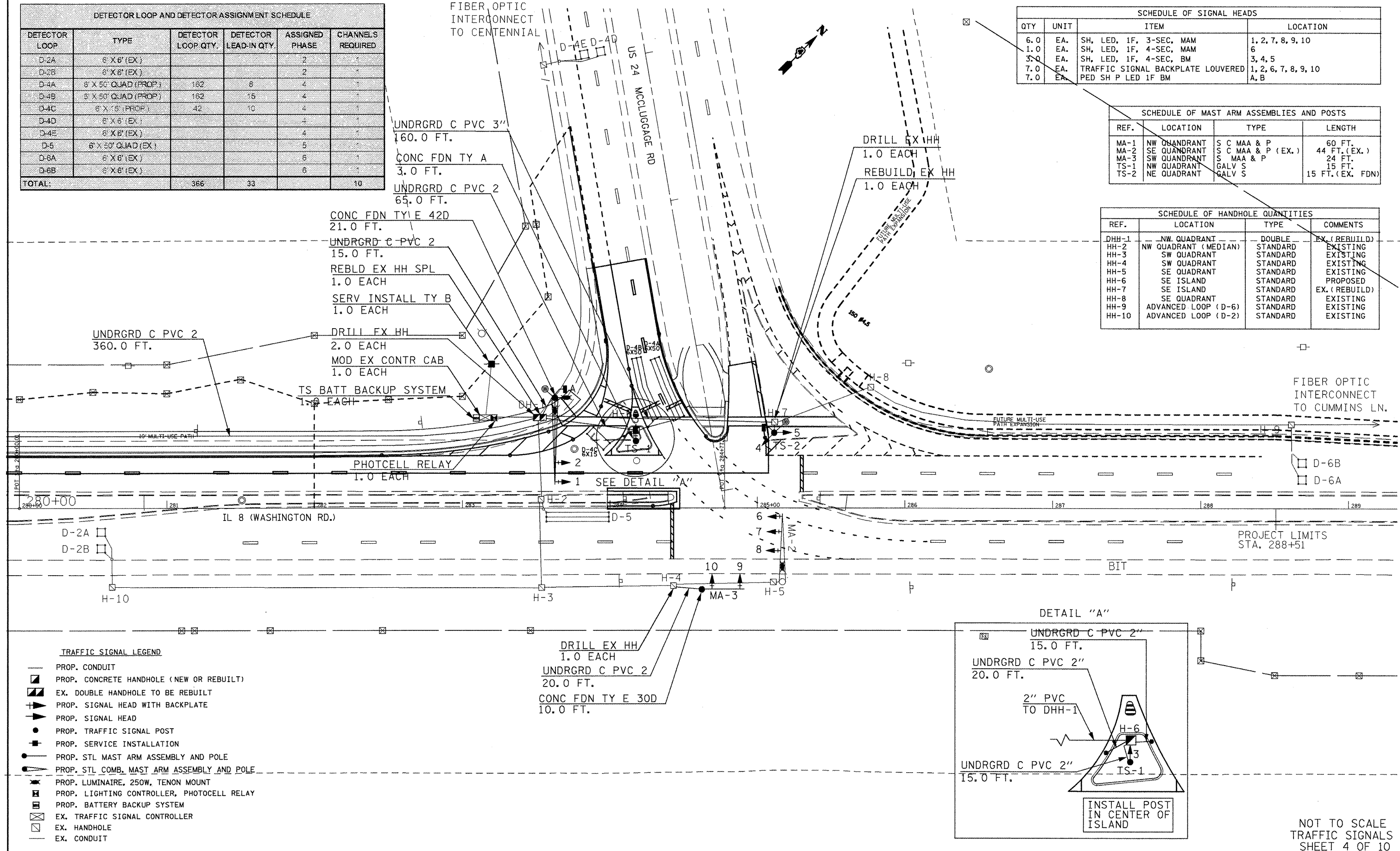
FILE NAME =	USER NAME = boyer.mj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TRAFFIC SIGNAL CABLE AND PHASE DIAGRAMS US 24 (MCCLUGAGE RD.) & IL 8 /BUS 24 (WASHINGTON RD.)	F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
68A66 - Business 24 IL 8 Traffic Signals	(Final 12-16-11).dgn	DRAWN -	REVISED -		399	(35,36)N-1	TAZEWELL	60	32	
PLOT SCALE = 60,2740' / 1" =	CHECKED -	REVISED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 68A66			
PLOT DATE = 12/16/2011	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT					

DETECTOR LOOP AND DETECTOR ASSIGNMENT SCHEDULE					
DETECTOR LOOP	TYPE	DETECTOR LOOP QTY.	DETECTOR LEAD-IN QTY.	ASSIGNED PHASE	CHANNELS REQUIRED
D-2A	6' X 6' (EX)			2	
D-2B	6' X 6' (EX)			2	
D-4A	6' X 50' QUAD (PROP)	162	8	4	
D-4B	6' X 50' QUAD (PROP)	162	15	4	
D-4C	6' X 5' (PROP)	42	10	4	
D-4D	6' X 6' (EX)			4	
D-4E	6' X 6' (EX)			4	
D-5	6' X 50' QUAD (EX)			5	
D-6A	6' X 6' (EX)			6	
D-6B	6' X 6' (EX)			6	
TOTAL:		366	33	6	10

SCHEDULE OF SIGNAL HEADS			
QTY	UNIT	ITEM	LOCATION
6.0	EA.	SH, LED, 1F, 3-SEC, MAM	1, 2, 7, 8, 9, 10
1.0	EA.	SH, LED, 1F, 4-SEC, MAM	6
3.0	EA.	SH, LED, 1F, 4-SEC, BM	3, 4, 5
7.0	EA.	TRAFFIC SIGNAL BACKPLATE LOUVERED	1, 2, 6, 7, 8, 9, 10
7.0	EA.	PED SH P LED 1F BM	A, B

SCHEDULE OF MAST ARM ASSEMBLIES AND POSTS			
REF.	LOCATION	TYPE	LENGTH
MA-1	NW QUADRANT	S C MAA & P	60 FT.
MA-2	SE QUADRANT	S C MAA & P (EX.)	44 FT. (EX.)
MA-3	SW QUADRANT	S C MAA & P	24 FT.
TS-1	NW QUADRANT	GALV S	15 FT.
TS-2	NE QUADRANT	GALV S	15 FT. (EX. FDN)

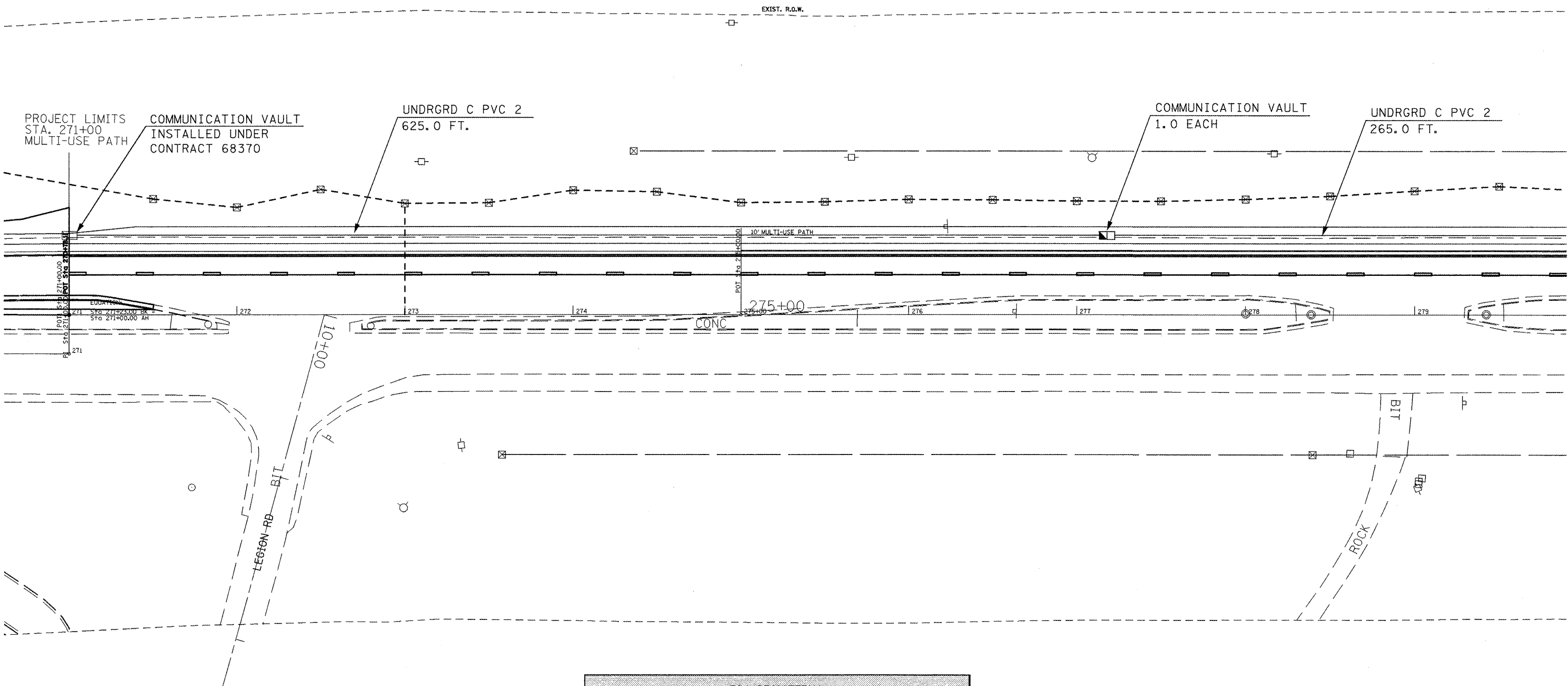
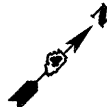
SCHEDULE OF HANDHOLE QUANTITIES			
REF.	LOCATION	TYPE	COMMENTS
DHH-1	NW QUADRANT	DOUBLE	EX. (REBUILD)
HH-2	NW QUADRANT (MEDIAN)	STANDARD	EXISTING
HH-3	SW QUADRANT	STANDARD	EXISTING
HH-4	SW QUADRANT	STANDARD	EXISTING
HH-5	SE QUADRANT	STANDARD	EXISTING
HH-6	SE ISLAND	STANDARD	PROPOSED
HH-7	SE ISLAND	STANDARD	EX. (REBUILD)
HH-8	SE QUADRANT	STANDARD	EXISTING
HH-9	ADVANCED LOOP (D-6)	STANDARD	EXISTING
HH-10	ADVANCED LOOP (D-2)	STANDARD	EXISTING



- TRAFFIC SIGNAL LEGEND**
- PROP. CONDUIT
 - ▣ PROP. CONCRETE HANDHOLE (NEW OR REBUILT)
 - ▣ EX. DOUBLE HANDHOLE TO BE REBUILT
 - ⊕ PROP. SIGNAL HEAD WITH BACKPLATE
 - ▲ PROP. SIGNAL HEAD
 - PROP. TRAFFIC SIGNAL POST
 - PROP. SERVICE INSTALLATION
 - PROP. STL MAST ARM ASSEMBLY AND POLE
 - PROP. STL COMB. MAST ARM ASSEMBLY AND POLE
 - ⊗ PROP. LUMINAIRE, 250W, TENON MOUNT
 - ⊗ PROP. LIGHTING CONTROLLER, PHOTOCELL RELAY
 - ⊗ PROP. BATTERY BACKUP SYSTEM
 - ⊗ EX. TRAFFIC SIGNAL CONTROLLER
 - EX. HANDHOLE
 - EX. CONDUIT

PROJECT LIMITS
STA. 288+51

NOT TO SCALE
TRAFFIC SIGNALS
SHEET 4 OF 10



BILL OF MATERIAL		
UNDERGROUND CONDUIT PVC 2" DIA	FOOT	890.0
COMMUNICATION VAULT	EACH	1.0

NOT TO SCALE
TRAFFIC SIGNALS
SHEET 5 OF 10

FILE NAME =	USER NAME = boyermj	DESIGNED -	REVISED -
68A66 - Business 24 IL 8 Traffic Signals	(Final 12-16-11).dgn	DRAWN -	REVISED -
	PLOT SCALE = 68,2740' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/16/2011	DATE -	REVISED -

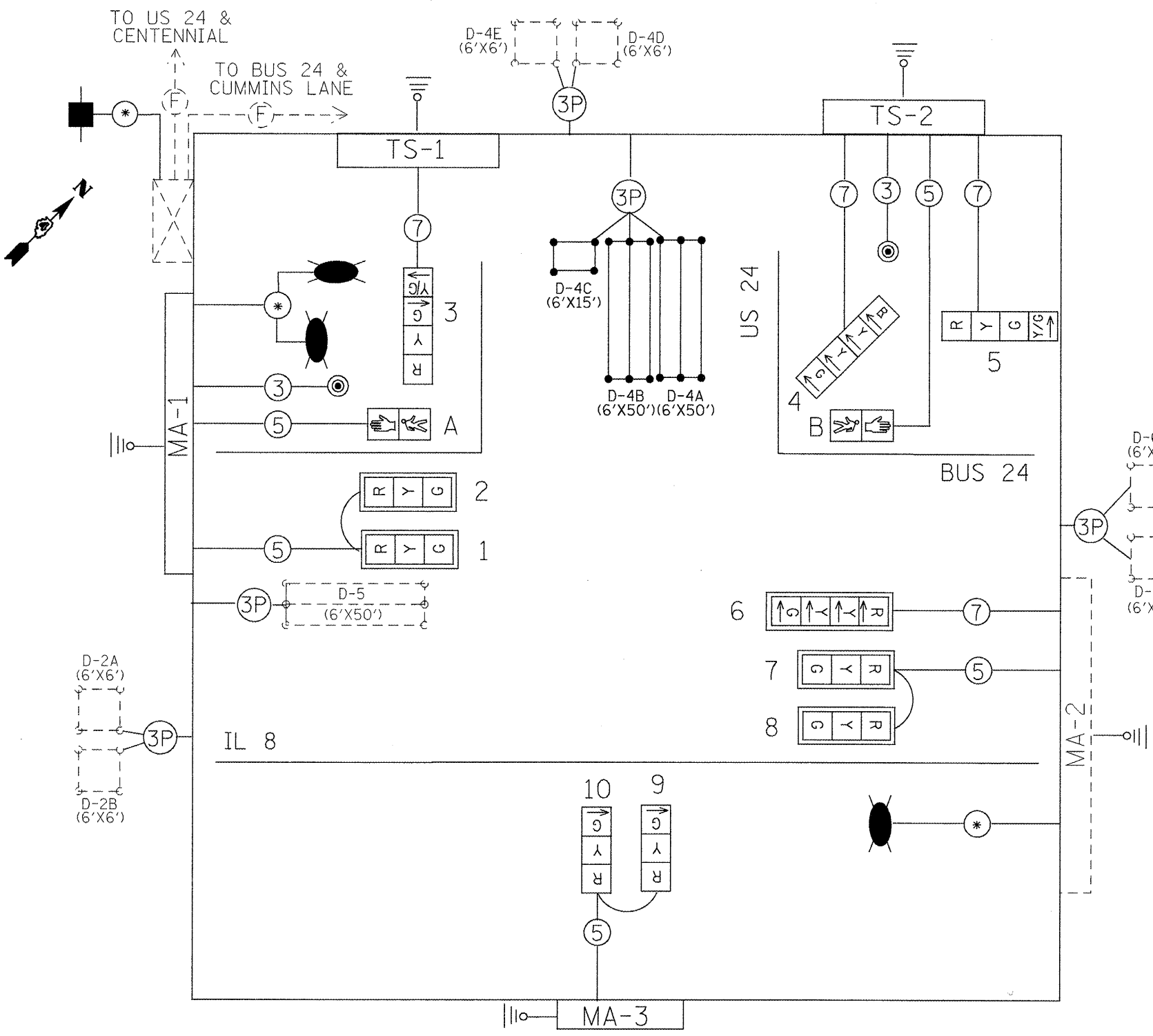
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNALS (CONTINUED)
US 24 (MCCLUGAGE RD.) & IL 8 /BUS 24 (WASHINGTON RD.)

SCALE: SHEET OF SHEETS STA. TO STA.

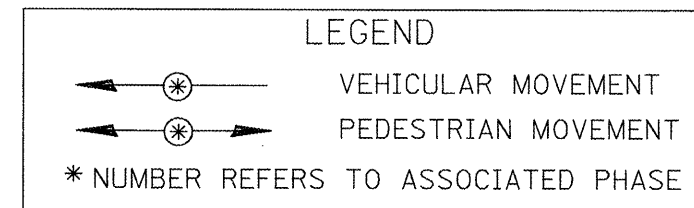
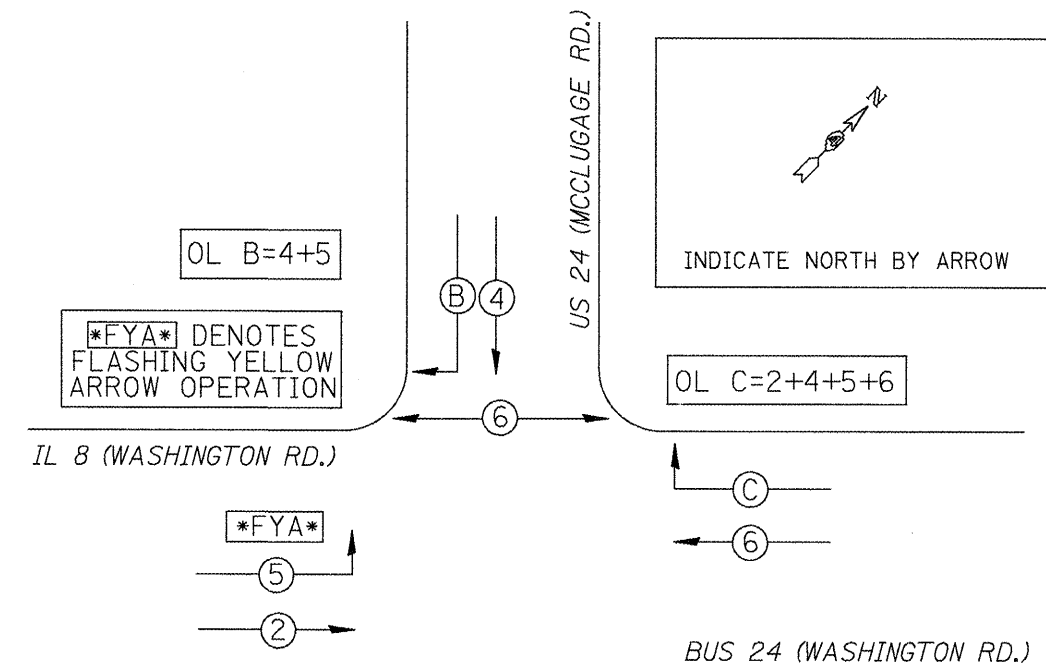
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36)N-1	TAZEWELL	60	34
			CONTRACT NO. 68A66	
ILLINOIS FED. AID PROJECT				

PROPOSED CABLE DIAGRAM



PROPOSED PHASE DIAGRAM

NAME OF INTERSECTION US 24 & IL 8/BUSINESS 24
 PROPOSED CONTROLLER: SIEMENS SEPAC M52 (TS-2)
 TYPE IV CABINET, TS-1 BACKPANEL (REUSE EX. CONT AND CAB)

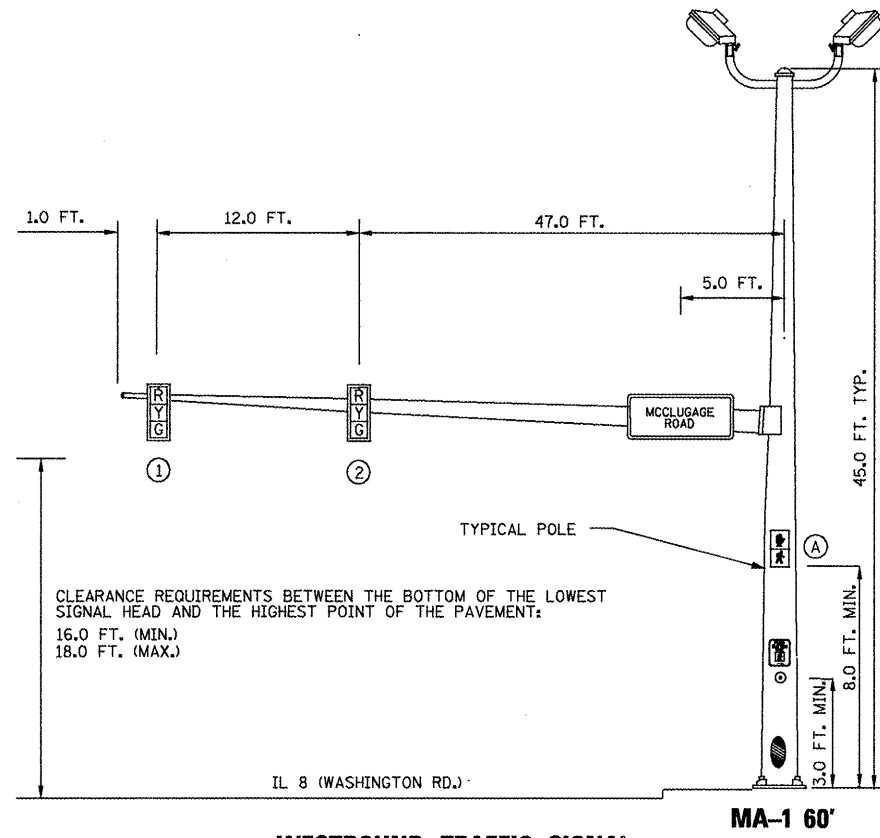


ALL TRAFFIC SIGNAL MAST ARMS, CONTROLLER CABINETS, HANDHOLES (LIDS AND FRAMES), AND EXPOSED METALLIC CONDUITS SHALL BE GROUNDED AND SAFETY BONDED IN ACCORDANCE WITH NEC REQUIREMENTS. EXISTING GROUND SAFETY BONDS SHALL BE REUSED WHENEVER POSSIBLE.

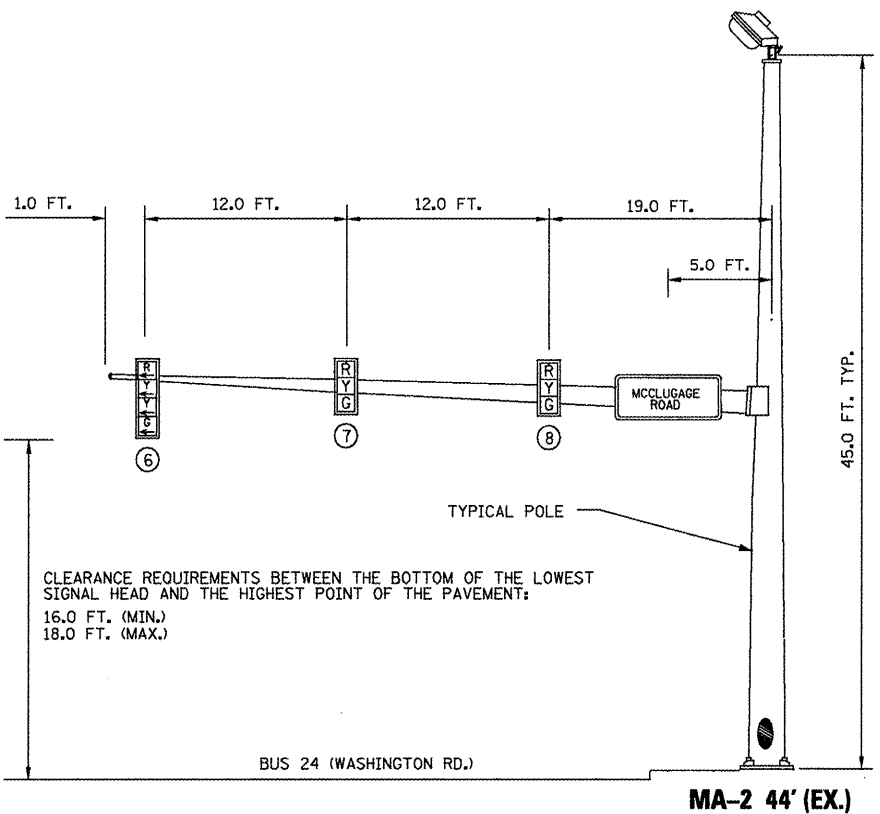
TRAFFIC SIGNALS LEGEND

	EX. CONTROLLER (SIGNAL)		PROP. #18 3-PR DETECTOR LOOP CABLE		PROP. SERVICE INSTALLATION
	PROP. SIGNAL HEAD W/BACKPLATE		PROP. 5/C NO. 14 SIGNAL CABLE		PROP. DETECTOR LOOP (6'X6')
	PROP. SIGNAL HEAD		PROP. 7/C NO. 14 SIGNAL CABLE		PROP. DETECTOR LOOP (6'X50')
	PROP. PEDESTRIAN SIGNAL HEAD		PROP. SYSTEM GROUND/SAFETY BOND		EX. DETECTOR LOOP (6'X6')
	EX. #18 3-PR DETECTOR LOOP CABLE		PROP. 3-1/2 NO. 6		EX. DETECTOR LOOP (6'X50')

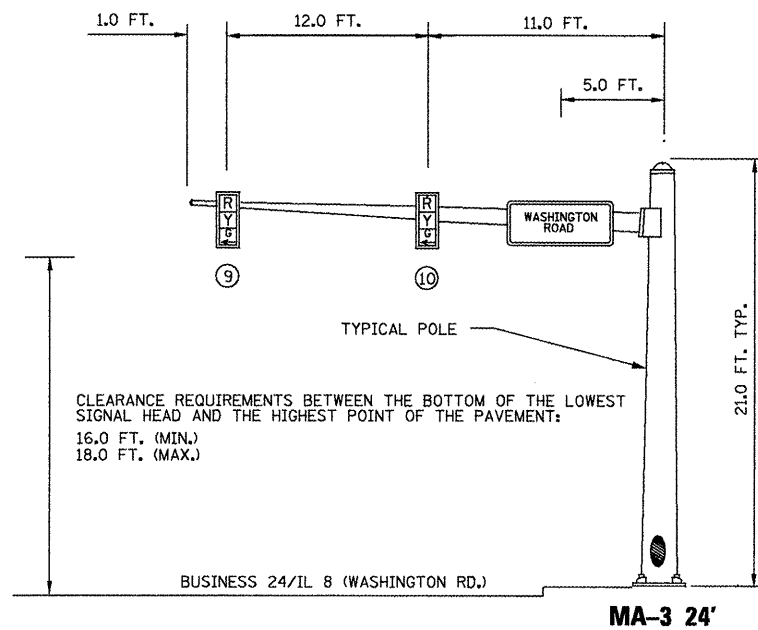
NOT TO SCALE
 TRAFFIC SIGNALS
 SHEET 6 OF 10



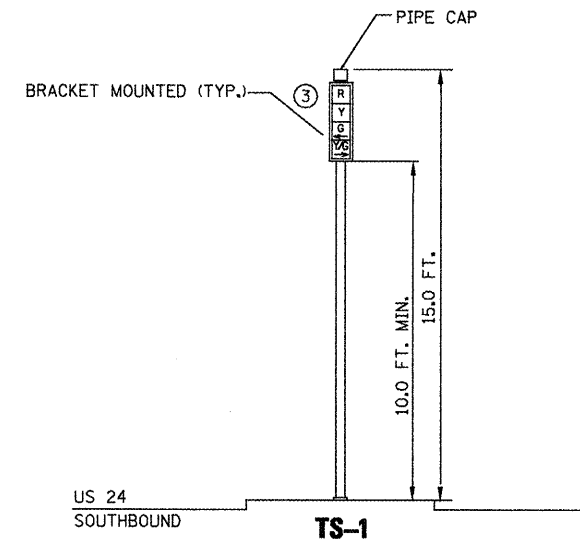
WESTBOUND TRAFFIC SIGNAL
NORTHWEST CORNER OF US 24 (MCCLUGAGE) & IL 8/BUS 24 (WASHINGTON)



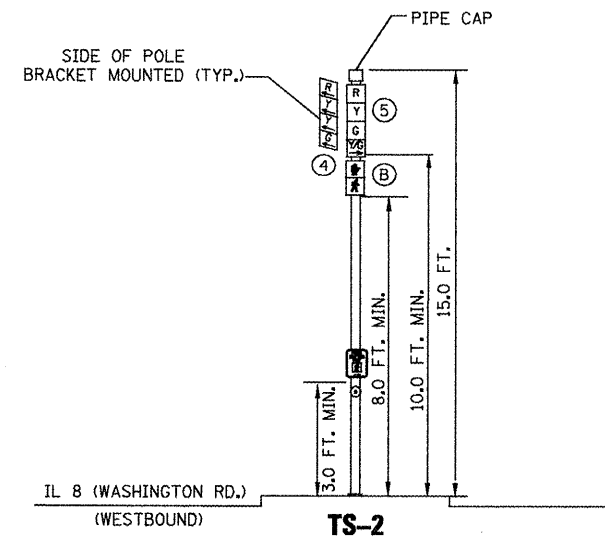
EASTBOUND TRAFFIC SIGNAL
SOUTHEAST CORNER OF US 24 (MCCLUGAGE) & IL 8/BUS 24 (WASHINGTON)



SOUTHBOUND TRAFFIC SIGNAL
SOUTHWEST CORNER OF US 24 (MCCLUGAGE) & IL 8/BUS 24 (WASHINGTON)



SOUTHBOUND TRAFFIC SIGNAL
NORTHWEST ISLAND OF US 24 (MCCLUGAGE) & IL 8/BUS 24 (WASHINGTON)



WESTBOUND TRAFFIC SIGNAL
NORTHEAST ISLAND OF US 24 (MCCLUGAGE) & IL 8/BUS 24 (WASHINGTON)

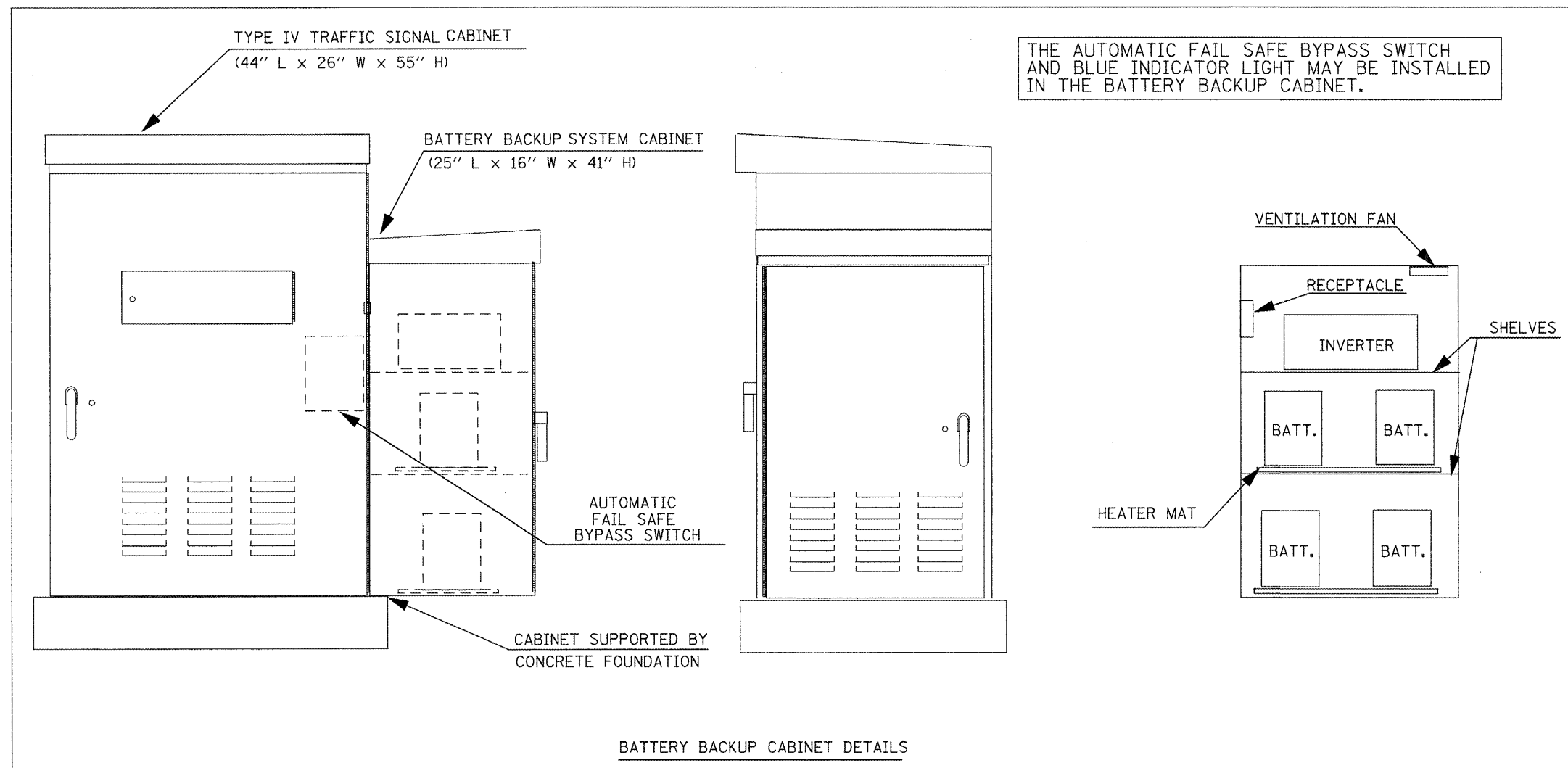
NOT TO SCALE
 TRAFFIC SIGNALS
 SHEET 7 OF 10

FILE NAME = 68A66 - Business 24 IL 8 Traffic Signal	USER NAME = boyer.m.j	DESIGNED -	REVISED -
	Final 12-16-11.dgn	DRAWN -	REVISED -
	PLOT SCALE = 68.2740' / 1"	CHECKED -	REVISED -
	PLOT DATE = 12/16/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM AND TRAFFIC SIGNAL POST DETAILS
US 24 (MCCLUGAGE RD.) & IL 8 /BUS 24 (WASHINGTON RD.)

F.A.P. RTE. 399	SECTION (35,36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 36
SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 68A66
ILLINOIS FED. AID PROJECT				



NOTES

1. THE BATTERY BACKUP SYSTEM CABINET SHALL BE A NEMA TYPE 3R CABINET WITH MINIMUM OUTSIDE DIMENSIONS OF 41" (H) X 25" (W) X 16" (D). THE CABINET SHALL BE EQUIPPED WITH A THREE POINT LATCHING MECHANISM, TWO SHELVES, THERMOSTATICALLY CONTROLLED VENTILATION FAN, AND A POWER RECEPTACLE. THE CABINET SHALL BE MOUNTED TO THE SIDE OF THE EXISTING TYPE IV CABINET WITH THE BOTTOM OF THE CABINET SUPPORTED BY THE CONCRETE FOUNDATION.
2. ALL CABINET LIGHTS, HEATER STRIPS, VENTILATION FANS, AND SERVICE RECEPTACLES SHALL BE BYPASSED WHEN THE BATTERY BACKUP UNIT IS OPERATING IN BATTERY MODE.
3. THE BATTERY BACKUP UNITS CONTACTS SHALL BE WIRED TO PROVIDE LOCAL CONTROLLER ALARMS (AS AVAILABLE IN THE EXISTING CABINET).
4. THE BYPASS SWITCH SHALL BE INSTALLED IN THE TYPE IV CABINET OR IN THE BATTERY BACKUP CABINET.
5. A SEPARATE CIRCUIT BREAKER FOR THE BBS SHALL BE INSTALLED IN THE TYPE IV CABINET. THIS CIRCUIT BREAKER SHALL BE WIRED TO THE INCOMING LINE VOLTAGE.

NOT TO SCALE
TRAFFIC SIGNALS
SHEET 8 OF 10

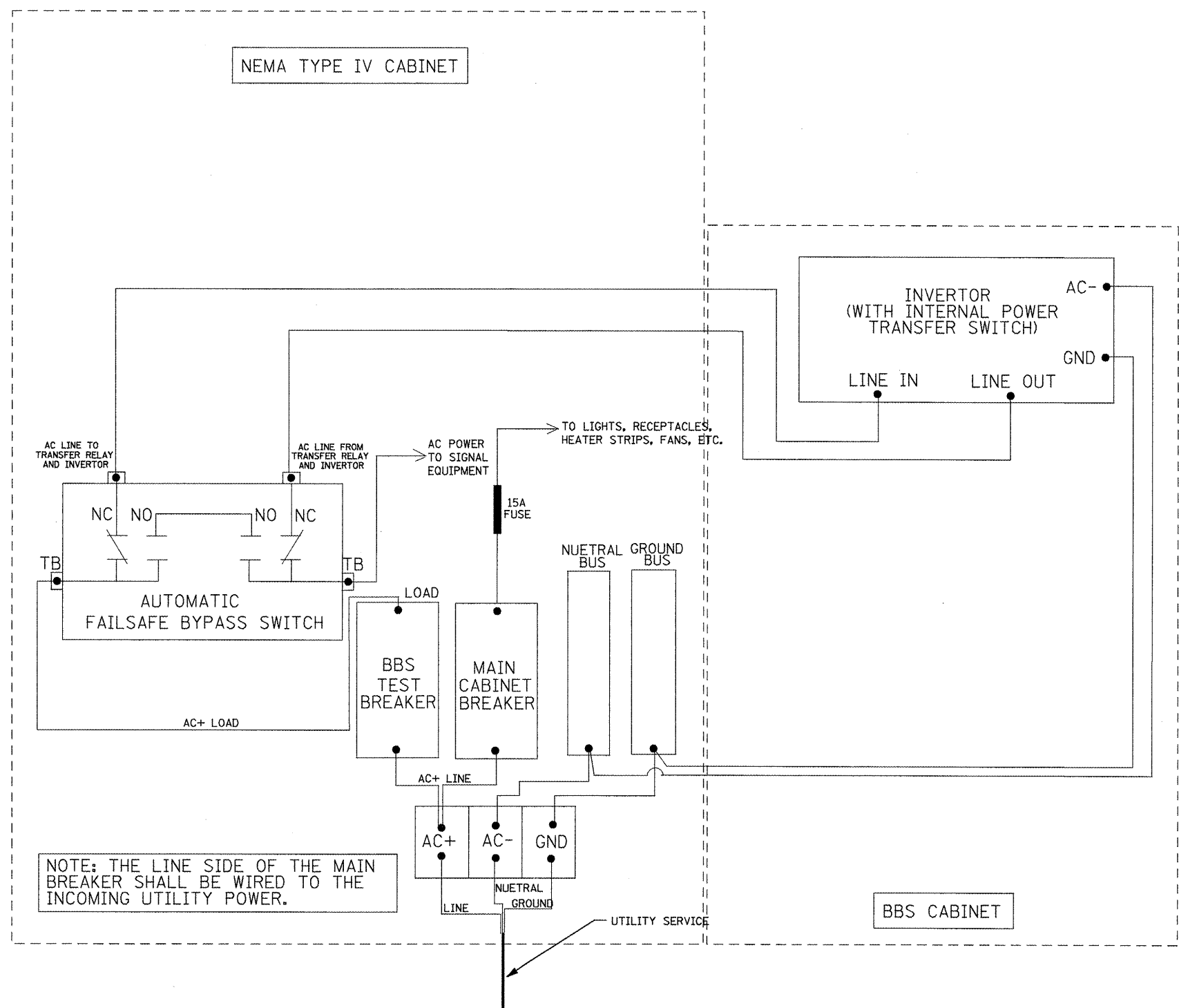
FILE NAME =	USER NAME = boyernj	DESIGNED -	REVISED -
68A66 - Business 24 IL 8 Traffic Signal	(Final 12-16-11).dgn	DRAWN -	REVISED -
	PLOT SCALE = 60.2748' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/16/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BATTERY BACKUP SYSTEM CABINET DETAIL

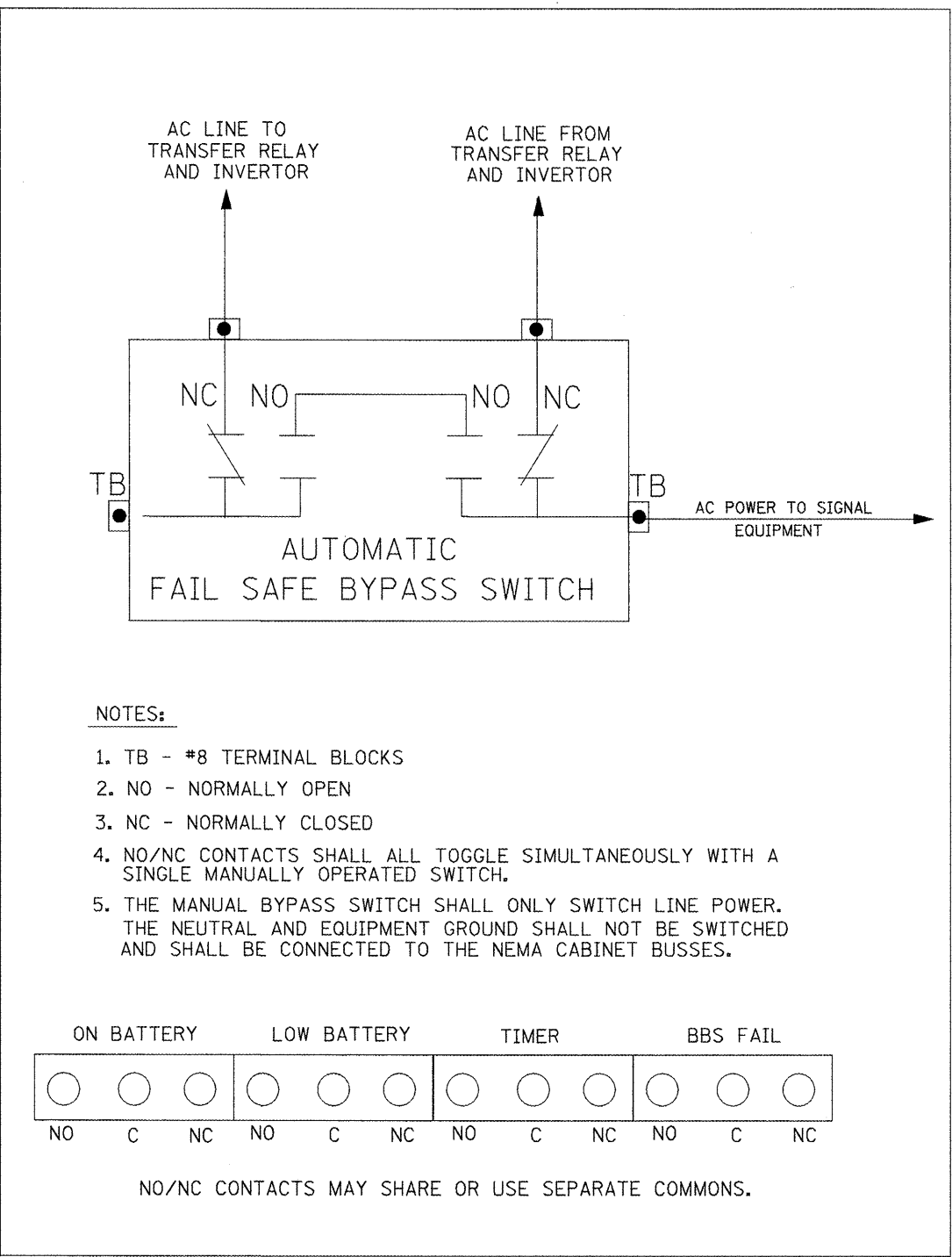
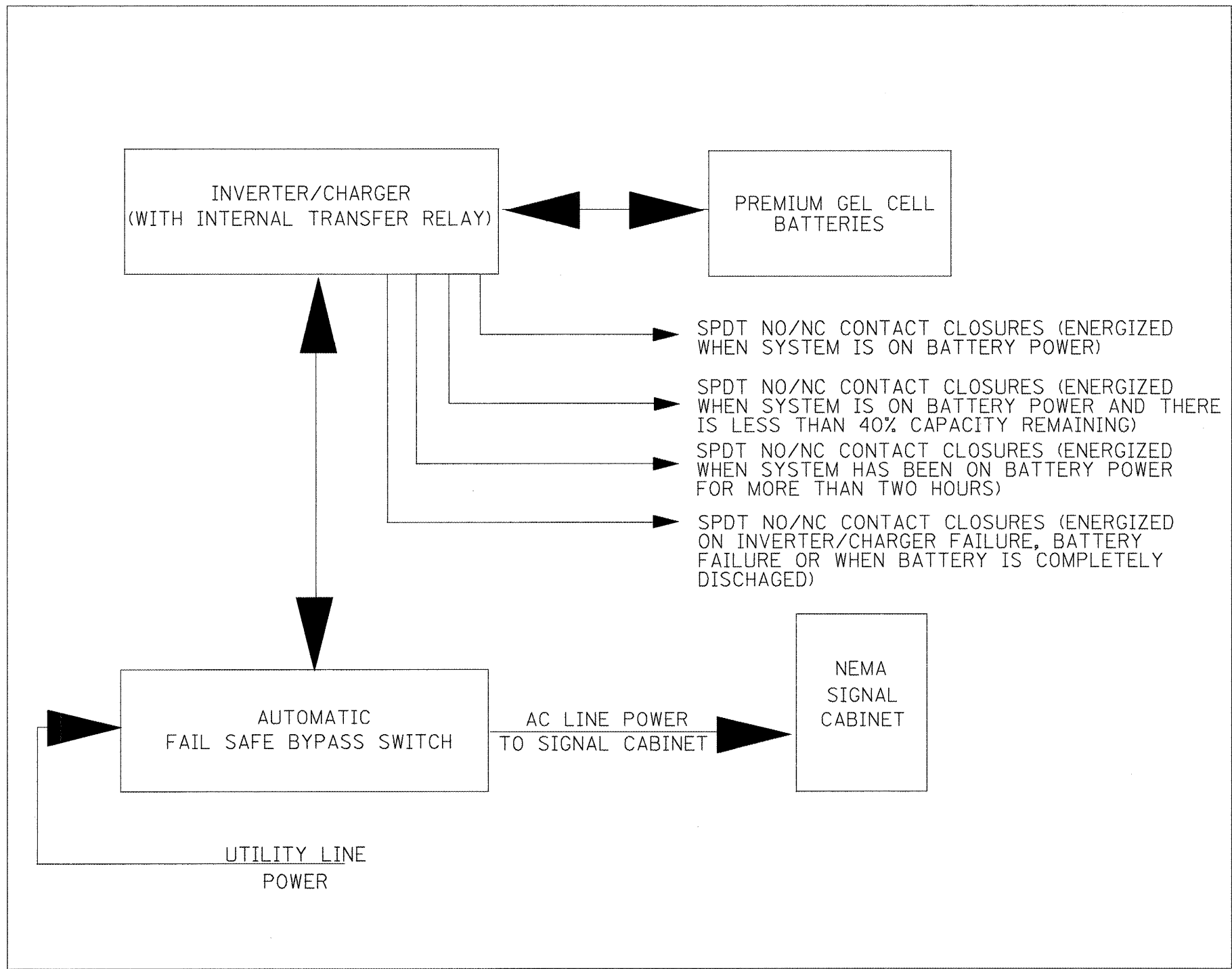
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36)N-1	TAZEWELL	60	37
CONTRACT NO. 68A66				
ILLINOIS FED. AID PROJECT				



NOT TO SCALE
TRAFFIC SIGNALS
SHEET 9 OF 10

FILE NAME =	USER NAME = boyernj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BATTERY BACKUP SYSTEM CABINET WIRING DIAGRAM	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
68A66 - Business 24 IL 8 Traffic Signals	(Final 12-16-11).dgn	DRAWN -	REVISED -			399	(35,36)N-1	TAZEWELL	60	38	
PLOT SCALE = 68,2748 ' / in.		CHECKED -	REVISED -			CONTRACT NO. 68A66					
PLOT DATE = 12/16/2011		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	



NOT TO SCALE
TRAFFIC SIGNALS
SHEET 10 OF 10

FILE NAME =	USER NAME = boyer.mj	DESIGNED -	REVISED -
68A66 - Business 24 IL 8 Traffic Signals	(Final) 12-16-11.dgn	DRAWN -	REVISED -
	PLOT SCALE = 60.2740 / 1"	CHECKED -	REVISED -
	PLOT DATE = 12/16/2011	DATE -	REVISED -

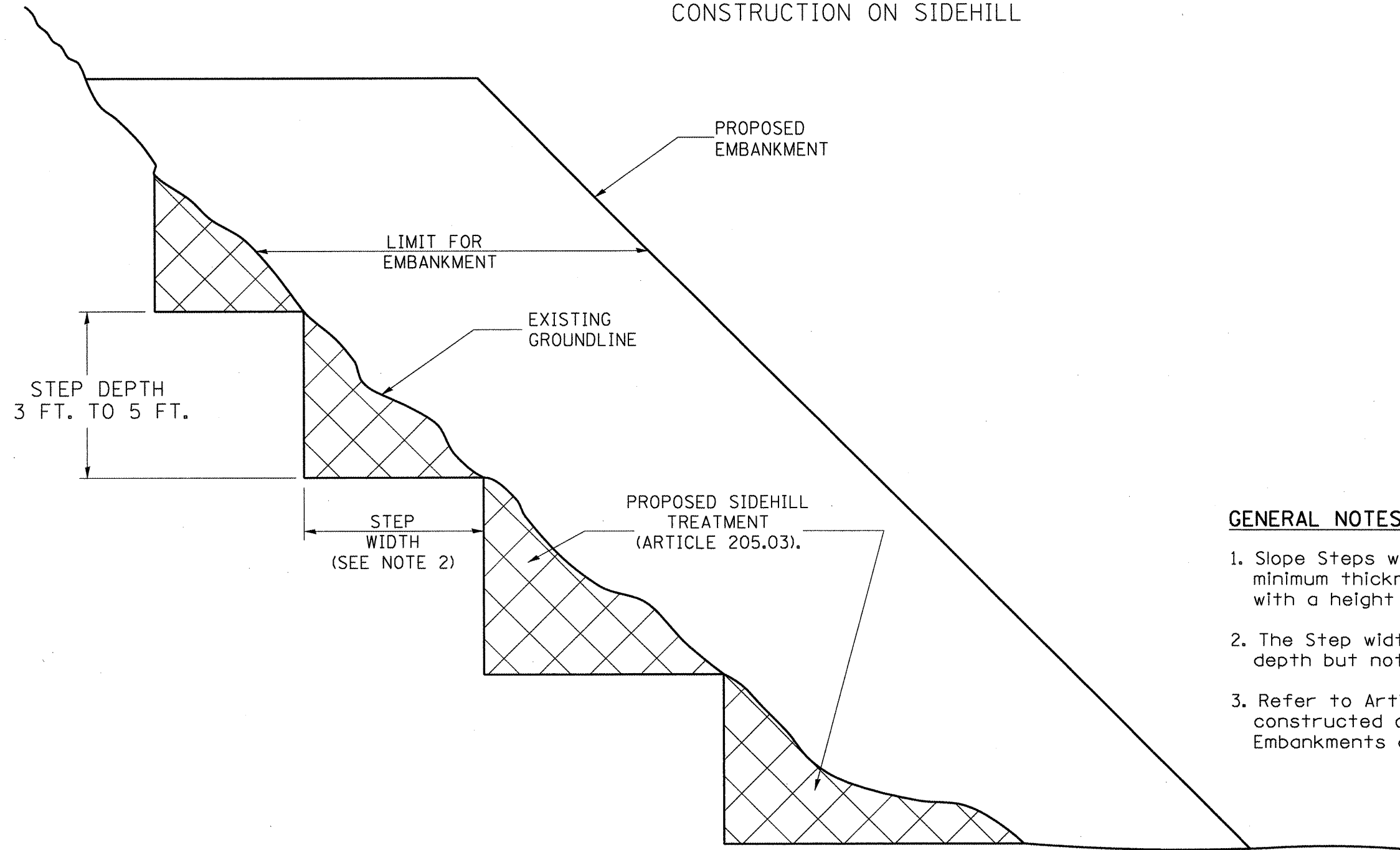
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BATTERY BACKUP SYSTEM BLOCK AND BYPASS SWITCH DIAGRAMS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36)N-1	TAZEWELL	60	39
CONTRACT NO. 68A66			ILLINOIS FED. AID PROJECT	

SLOPE STEPS DETAIL
 TYPICAL CROSS-SECTION EMBANKMENT
 CONSTRUCTION ON SIDEHILL



GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "silver fills" and on a fills with a height of 10'(3.0m).
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

REPLACEMENT MATERIAL:



STANDARD EMBANKMENT
 (IN ACCORDANCE WITH
 205 OF THE STANDARD SPECIFICATION).

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

1-1-97	RENJIM. L-5.03, NEW REVISION BOX, REVISED TITLE	T.P.																		
10-16-06	REVISED TO 2007 SPEC.	M.A.																		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

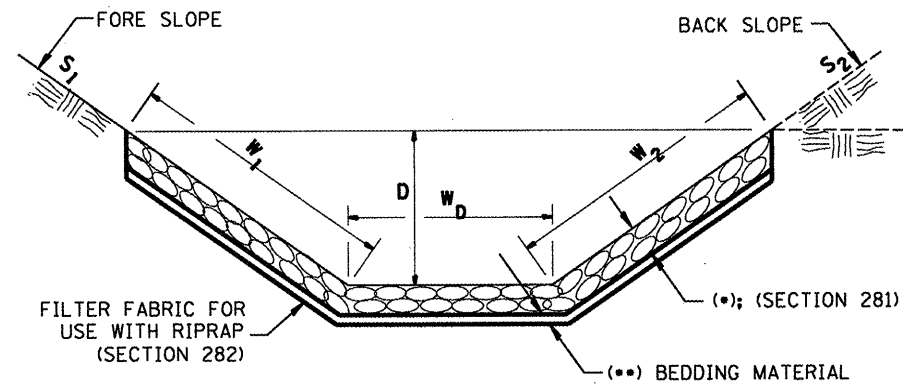
NOT TO SCALE

SLOPE STEPS DETAIL

CADD STD. 205001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36)N-1	TAZEWELL	60	40
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 68A66	

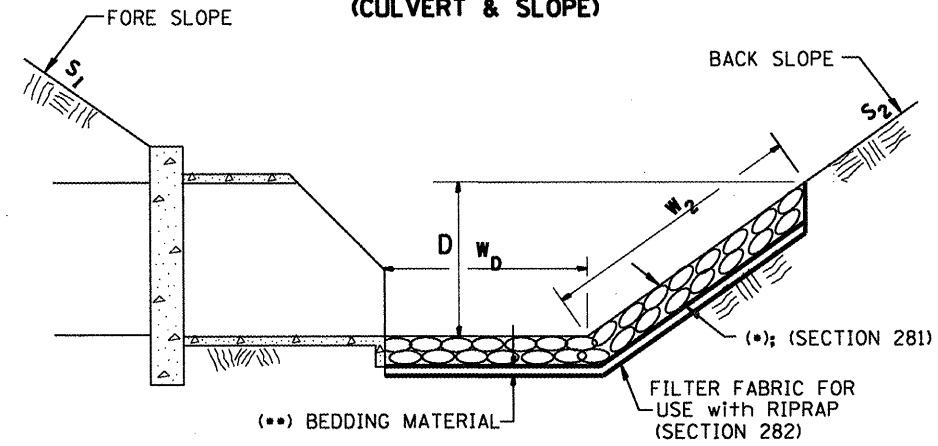
**CASE 1
(DITCH)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
TOTAL				

(1) WIDTH = $W_1 + W_2 + W_D$

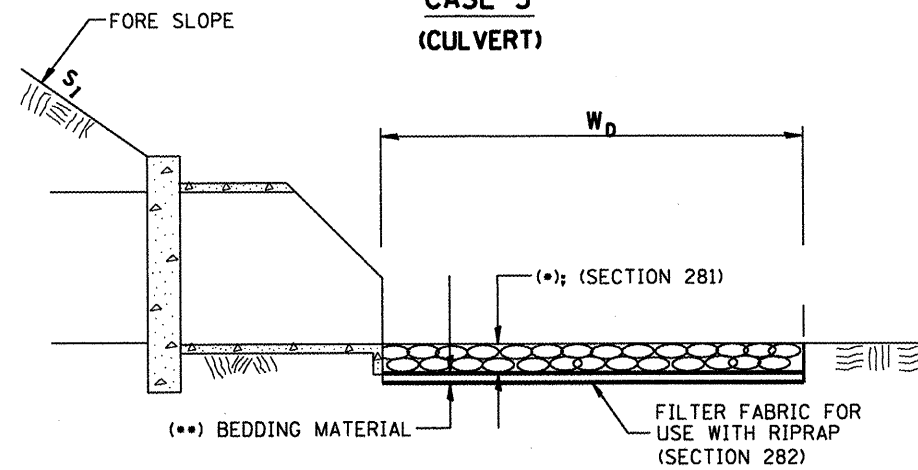
**CASE 2
(CULVERT & SLOPE)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
TOTAL				

(1) WIDTH = $W_2 + W_D$

**CASE 3
(CULVERT)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
TOTAL				

(1) WIDTH = W_D

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

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

1-1-97	RENUM. A-12.02, NEW REVISION BOX	T.P.
12-1-97	CORRECT FILTER FABRIC LEADER ARROW	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

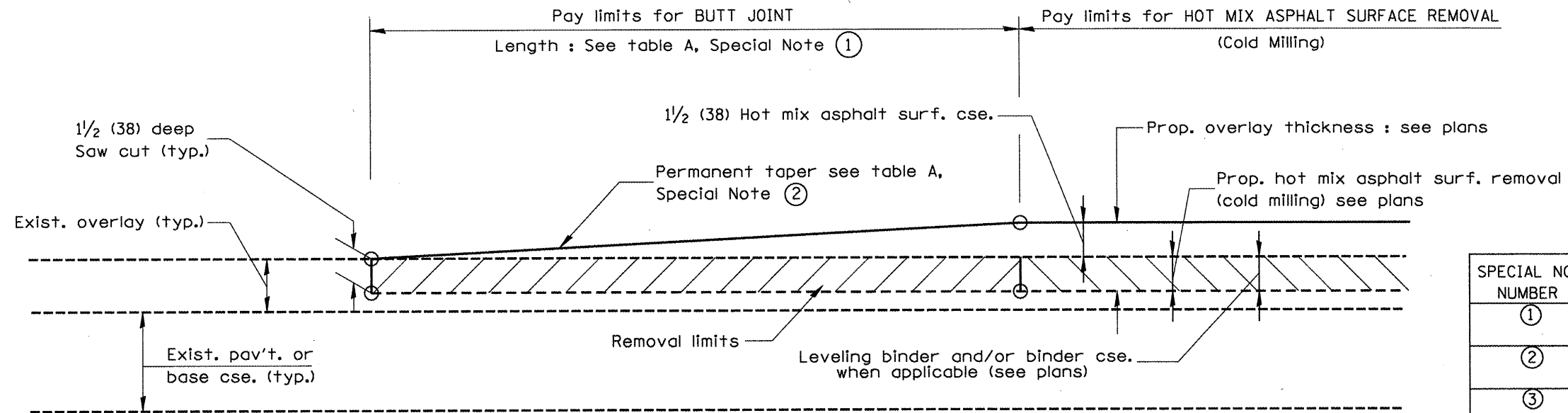
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIPRAP DITCH FOR EROSION PROTECTION

NOT TO SCALE

CADD STD. 281001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36)N-1	TAZEWELL	60	41
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 68A66	



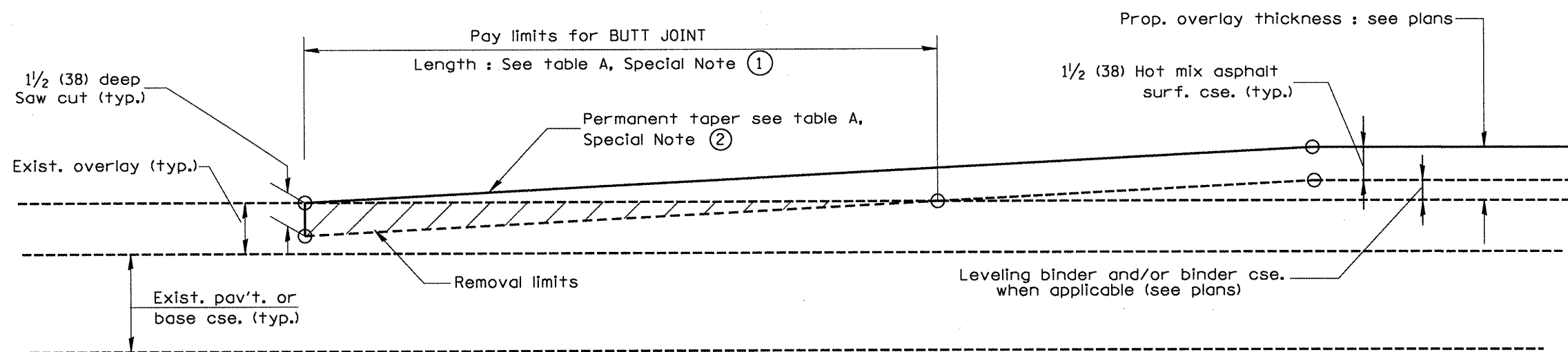
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

TABLE A
(LENGTHS AND TAPER RATES)

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	LENGTH OF BUTT JOINT	60'(18.0 m)	30'(9.0 m)
②	PERMANENT TAPER RATE	1:480	1:240
③	TEMPORARY RAMP TAPER RATE	1:80	1:40
④	TEMPORARY RAMP LENGTH	10'(3.0 m)	5'(1.5 m)
⑤	LENGTH OF BUTT JOINT	10'(3.0 m)	10'(3.0 m)

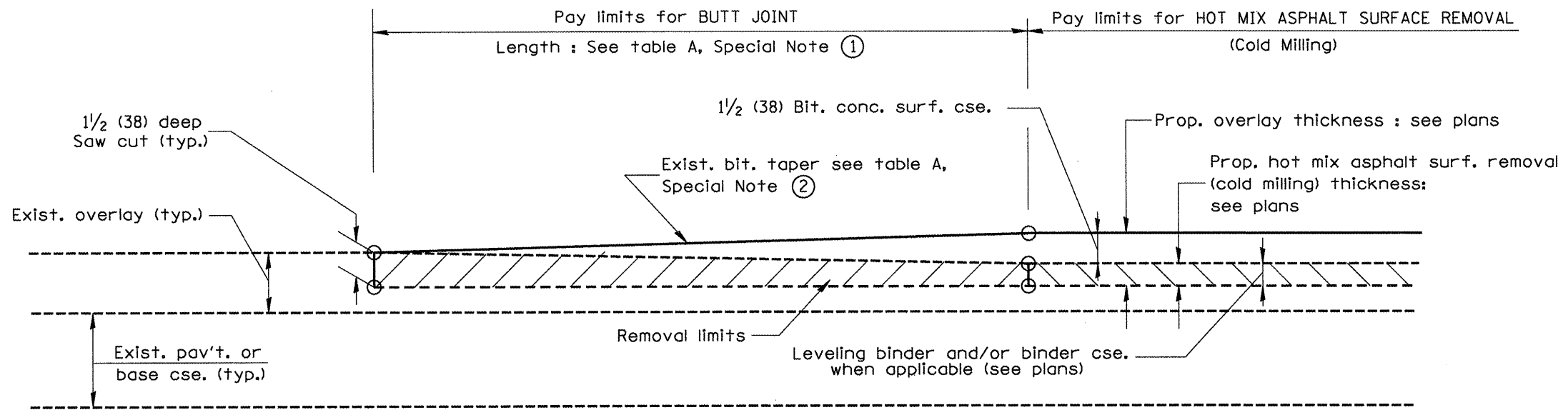
GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.

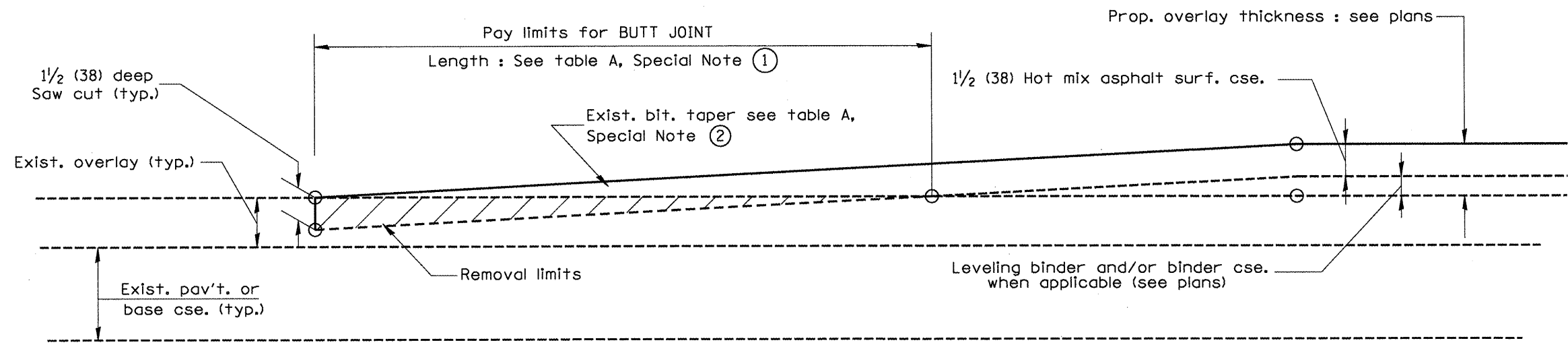


CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

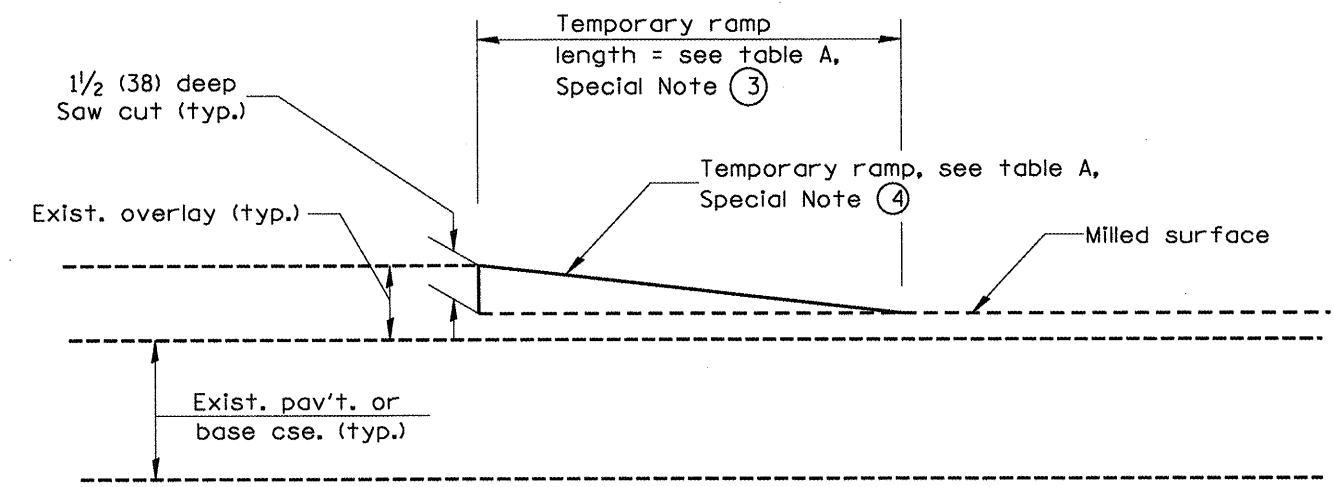
All dimensions are in inches (millimeters) unless otherwise noted.



**CASE 3 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**

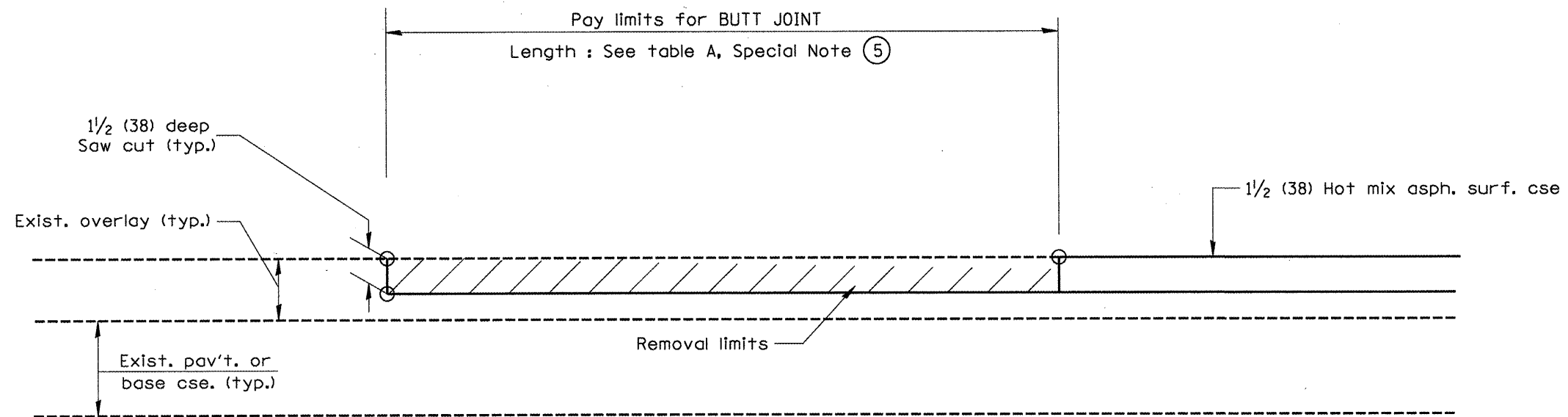


**CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**



DETAIL TEMPORARY RAMP

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

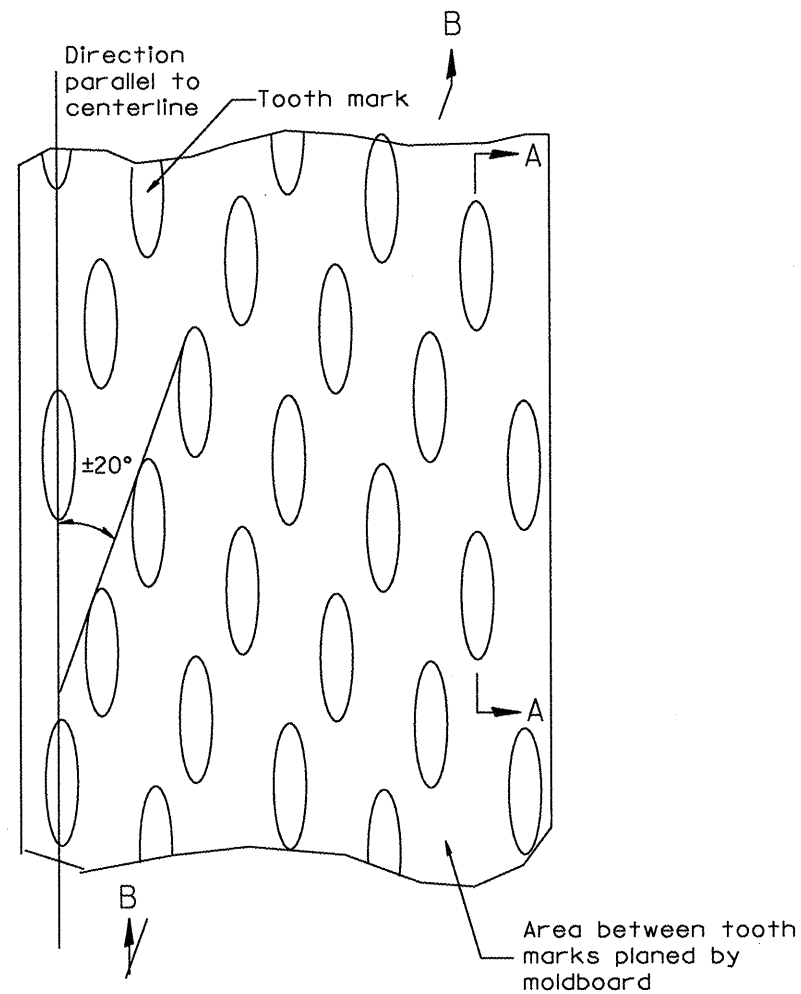


**CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**

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

		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		BUTT JOINTS		SHT. 3 OF 3 CADD STD. 406101-D4		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
399	(35,36)N-1	TAZEWELL	60	44	CONTRACT NO. 68A66				

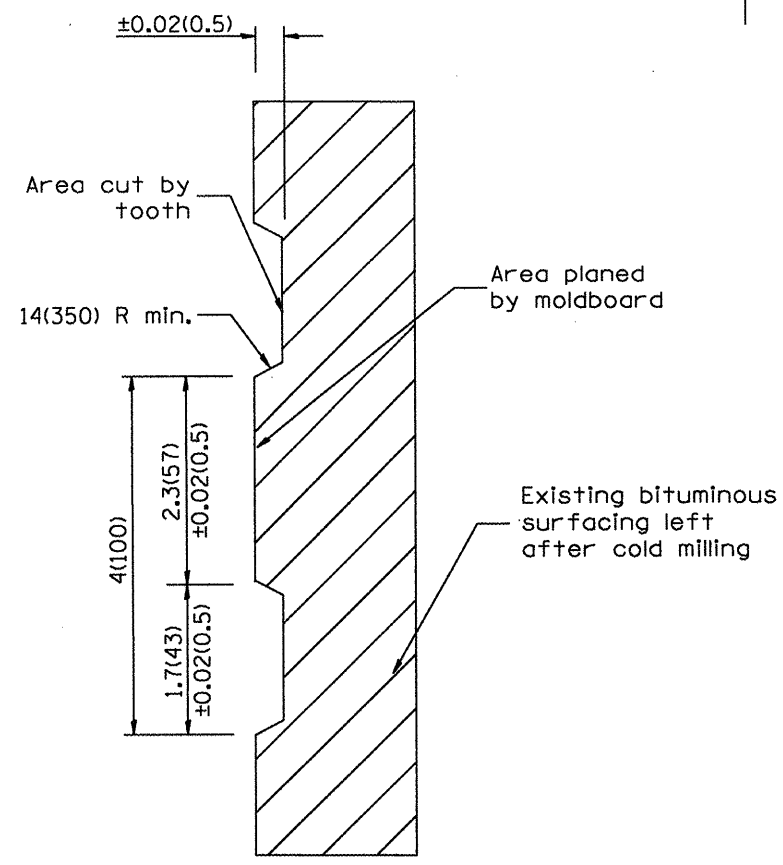
NOT TO SCALE



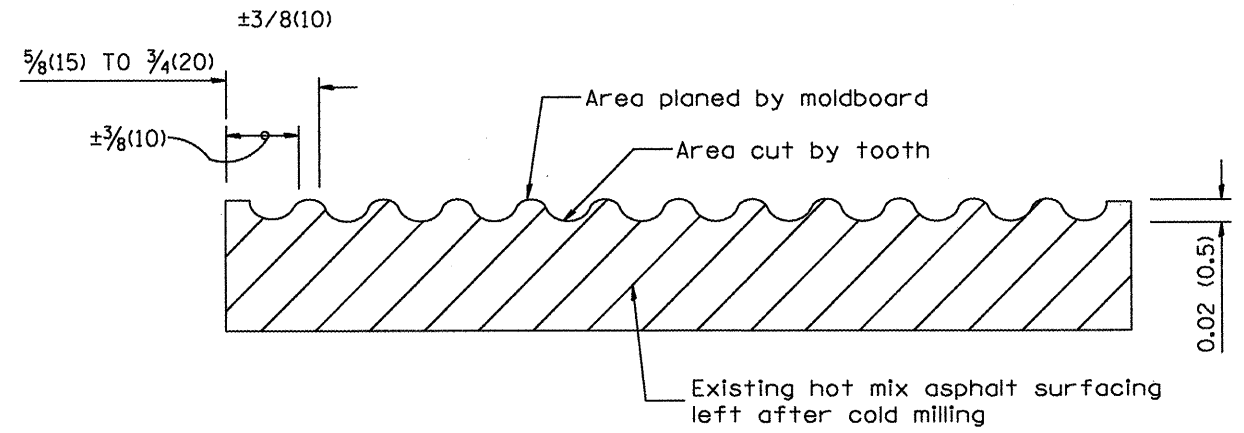
PLAN

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.



SECTION A-A



SECTION B-B PROJECTED PERPENDICULAR TO CENTERLINE

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

01-01-97	RENUM. C-104.01, NEW REVISION BOX	T.P.												
04-20-98	REMOVED MILLING DETAIL FROM STANDARD	J.A.												
09-08-98	CORRECT NOTE LEADER PLACEMENT	R.W.												
10-16-06	REVISED TO 2007 SPEC.	M.A.												

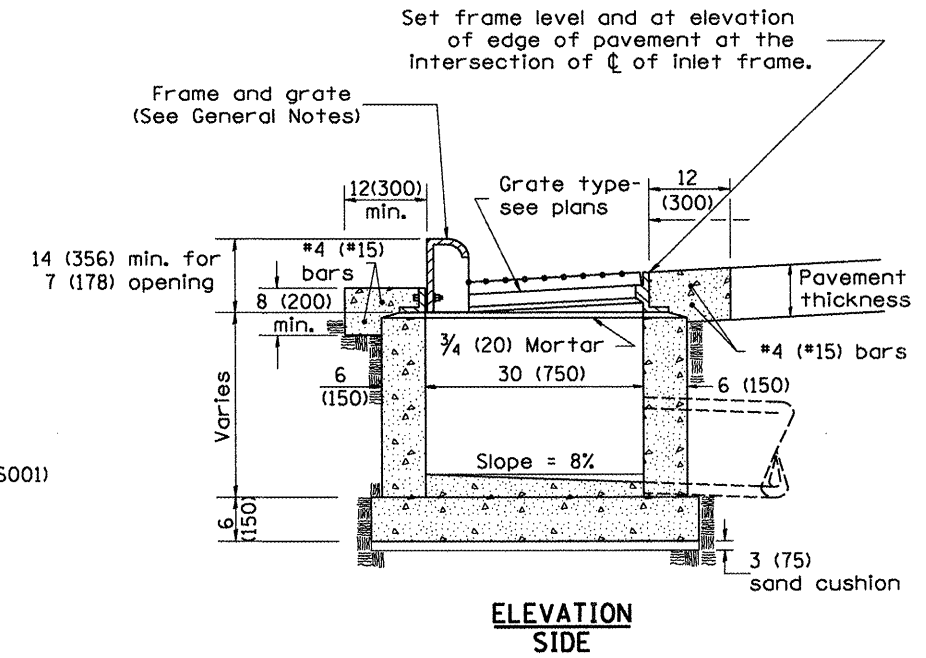
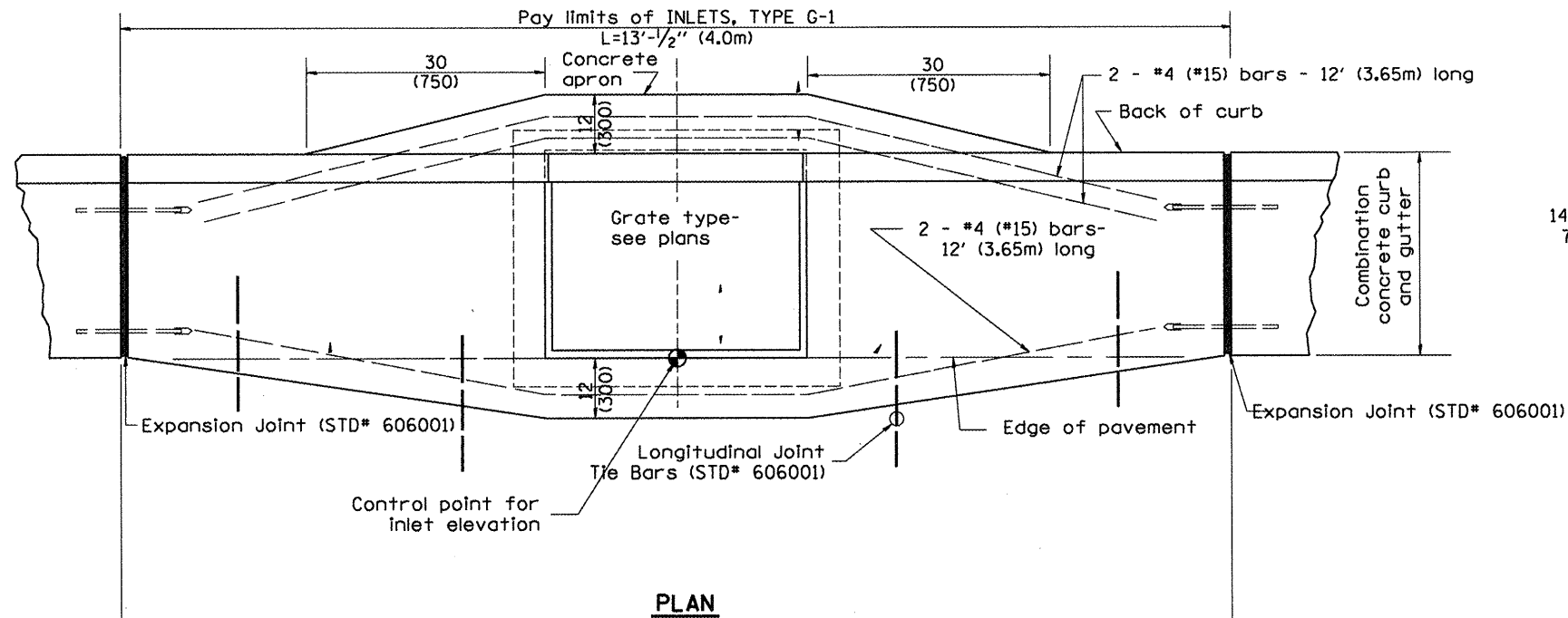
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

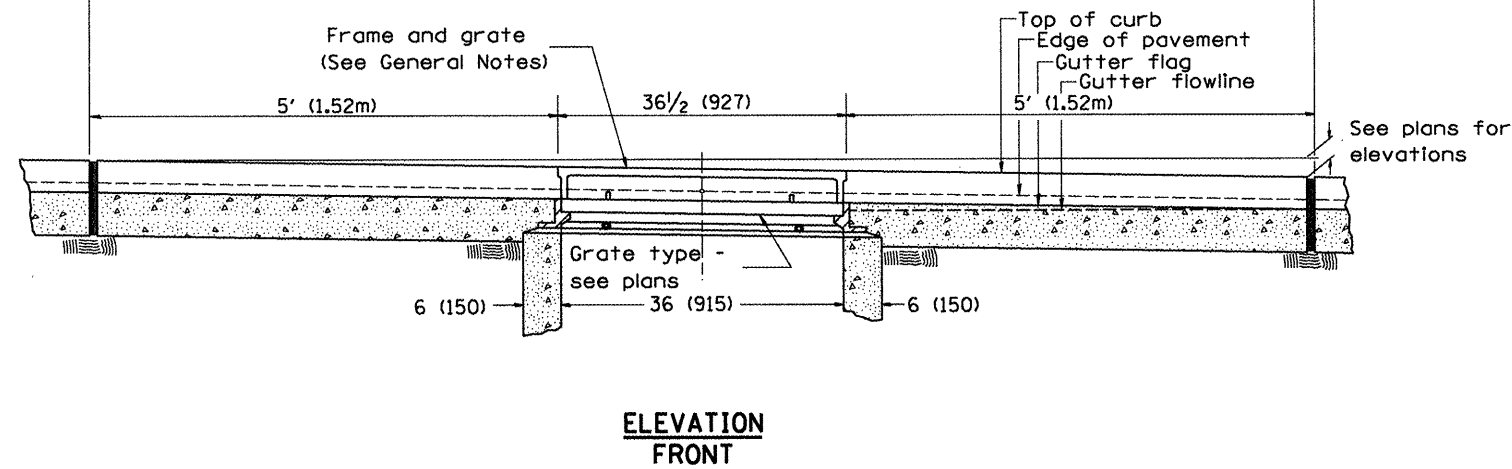
CADD STD. 440001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36)N-1	TAZEWELL	60	45
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 68A66	



GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb & Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.



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

01-01-97	RENUM. B-4.01, NEW REVISION BOX	T.P.							
10-99	REVISION TO GENERAL NOTES	J.A.							
02-00	REVISION TO DESIGNER NOTES	J.A.							
10-16-06	REVISED TO 2007 SPEC.	M.A.							

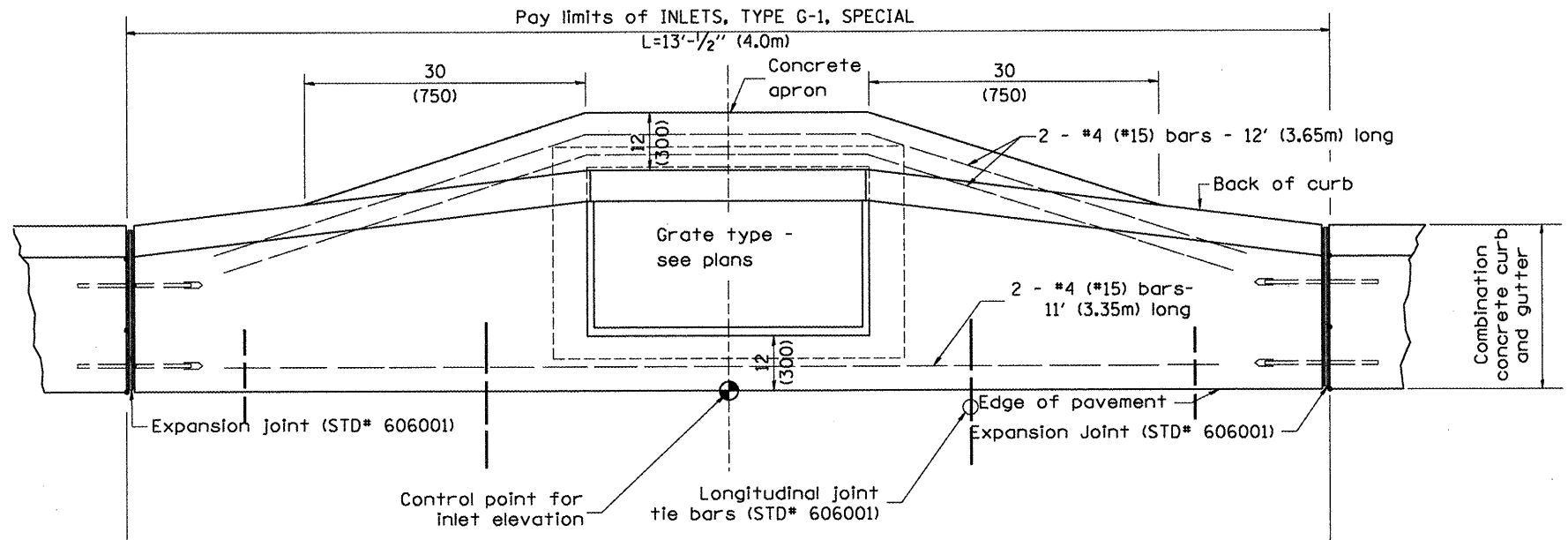
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INLETS, TYPE G-1

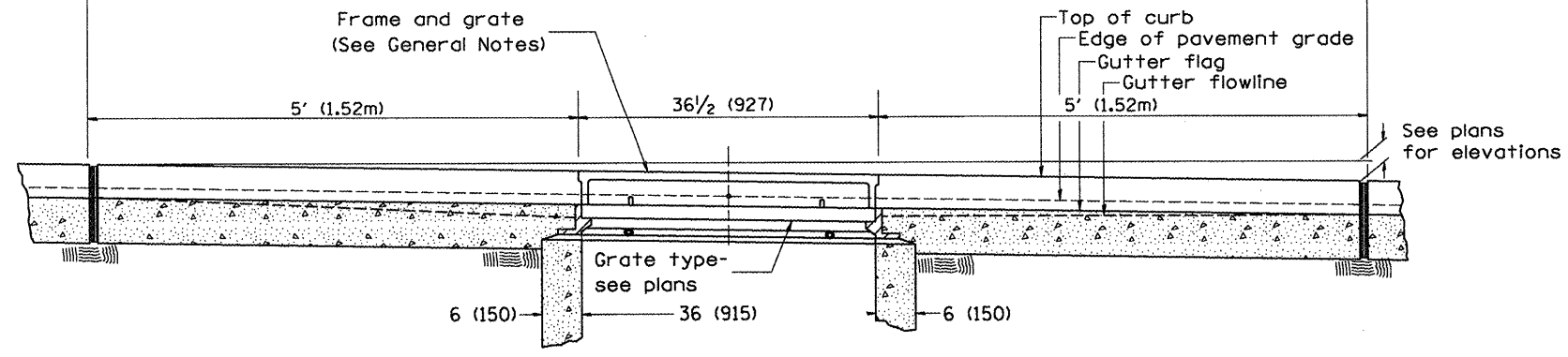
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36)N-1	TAZEWELL	60	46
			CONTRACT NO. 68A66	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOT TO SCALE

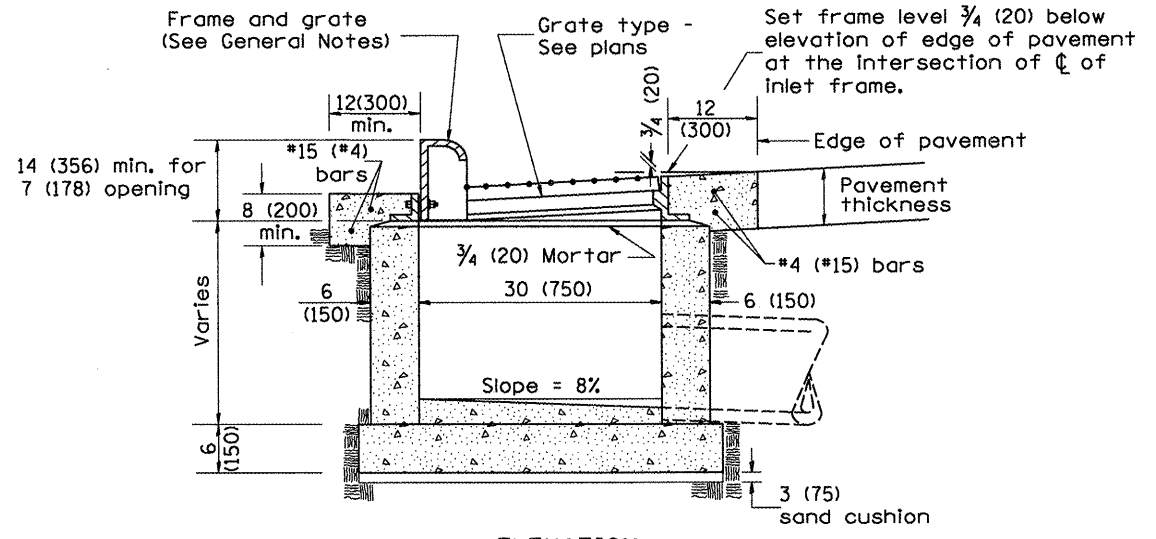
CADD STD. 602001-D4



PLAN



ELEVATION (FRONT)



ELEVATION (SIDE)

GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb and Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.

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

01-01-97	RENUM. B-4.02, NEW REVISION BOX	
12-01-98	CORRECT E.O.P. NOTE	J.A.
10-99	REVISION TO GENERAL NOTES	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

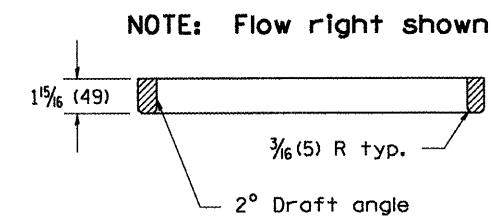
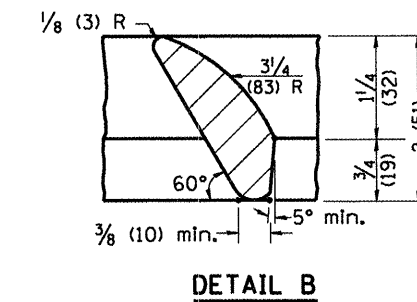
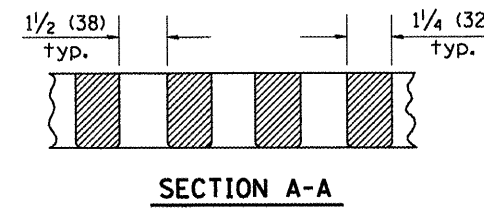
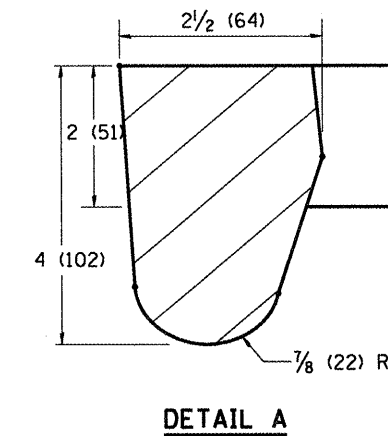
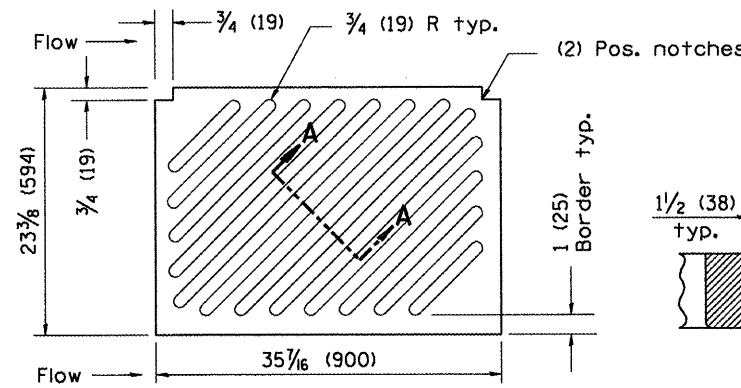
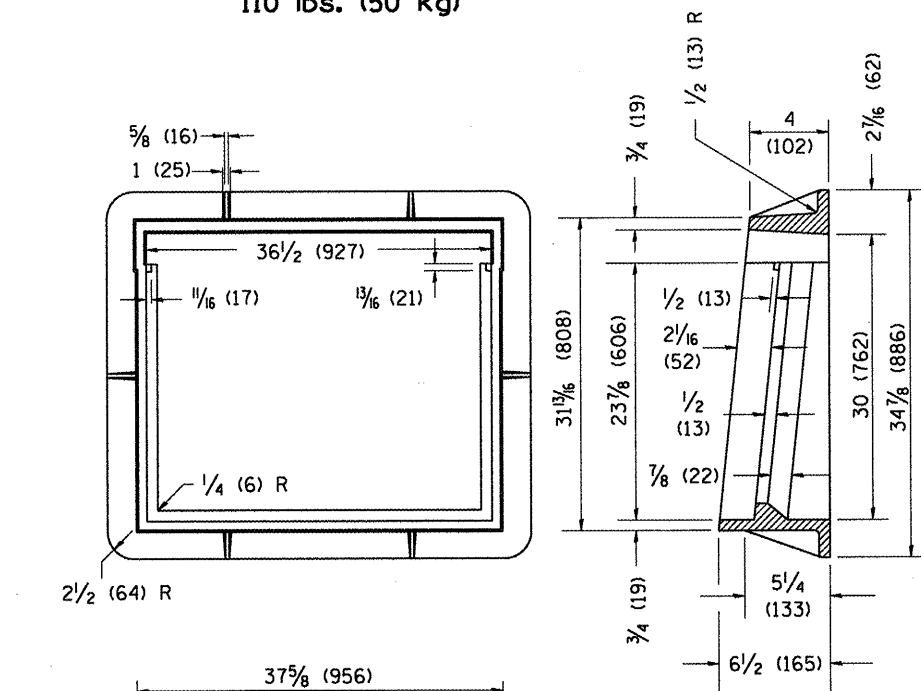
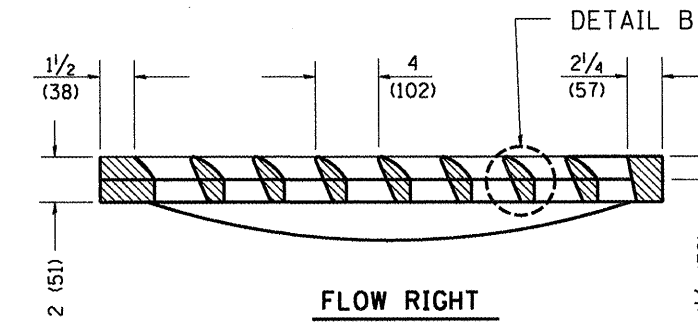
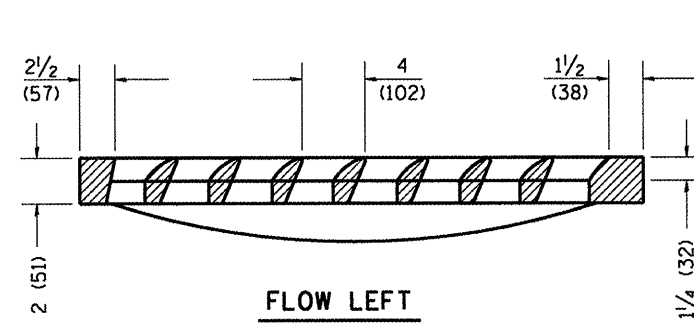
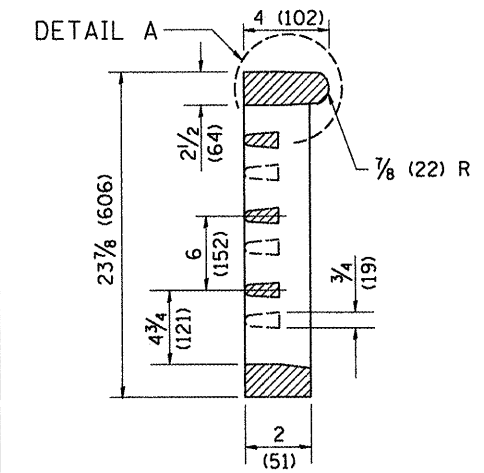
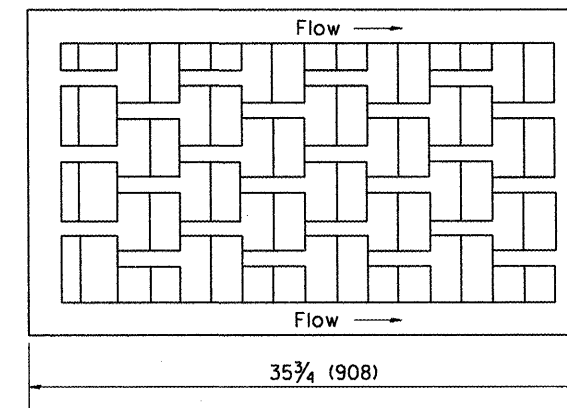
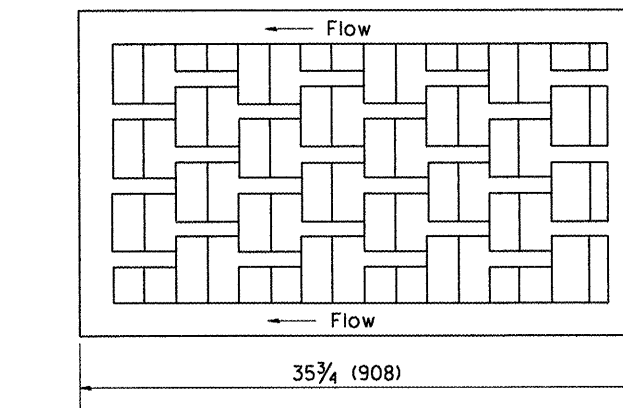
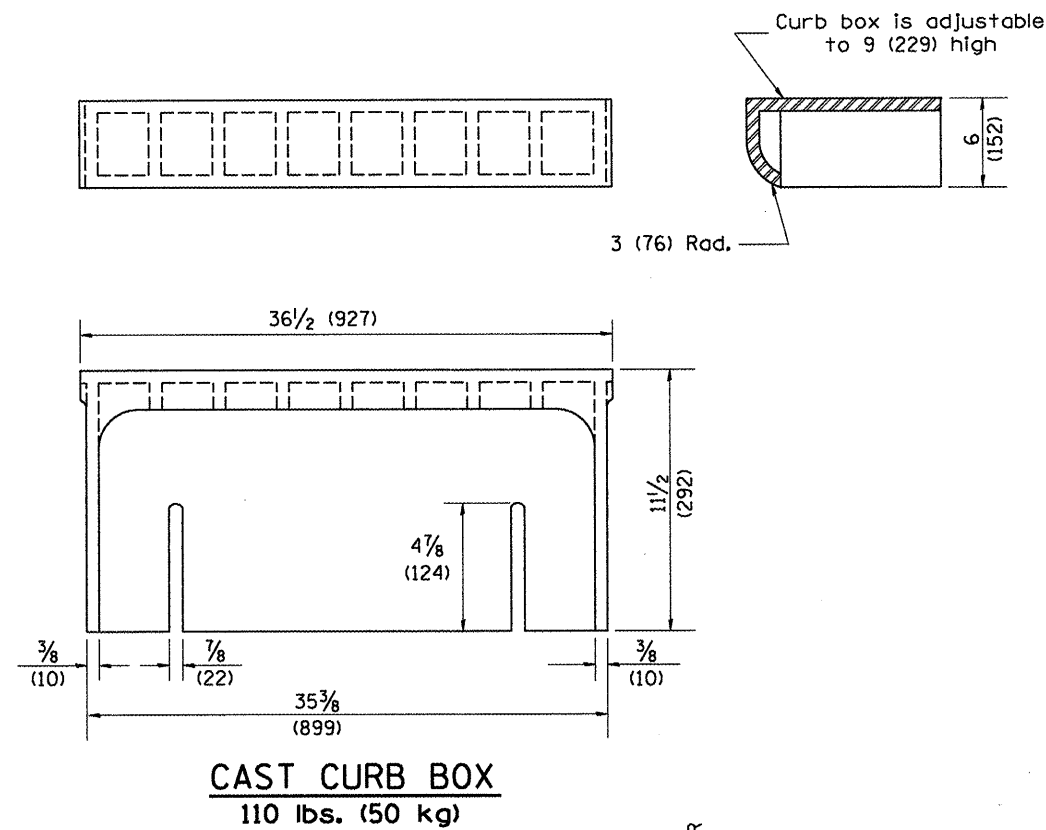
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INLETS, TYPE G-1, SPECIAL

NOT TO SCALE

CADD STD. 602006-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36)N-1	TAZEWELL	60	47
CONTRACT NO. 68A66			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	



NOTE: Flow right shown

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.

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

01-01-97	RENUM. B-10.01, NEW REVISION BOX	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

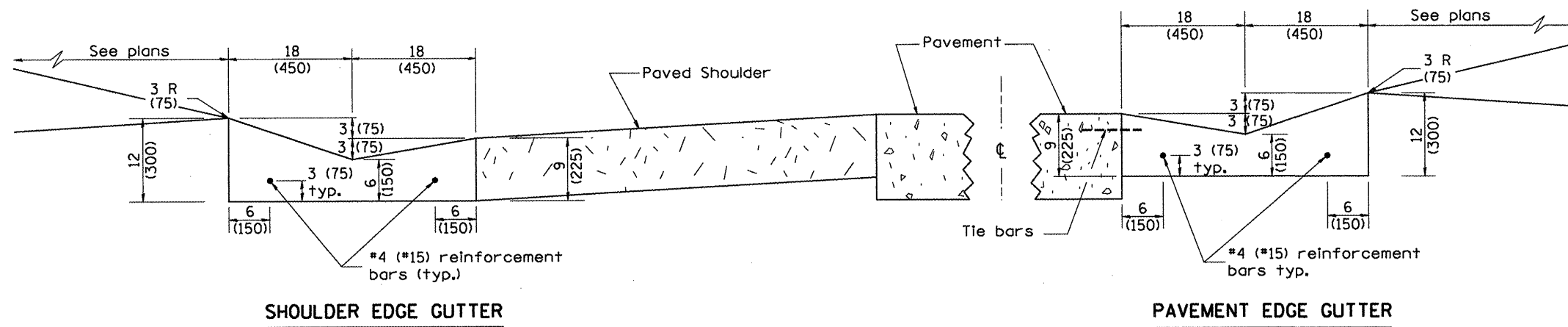
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAME & GRATES FOR TYPE G-1 AND TYPE G-1,
SPECIAL DRAINAGE STRUCTURES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36)N-1	TAZEWELL	60	48
CONTRACT NO. 68A66				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

NOT TO SCALE

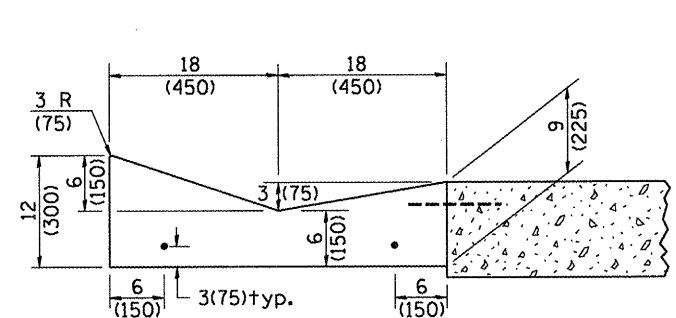
CADD STD. 604001-D4



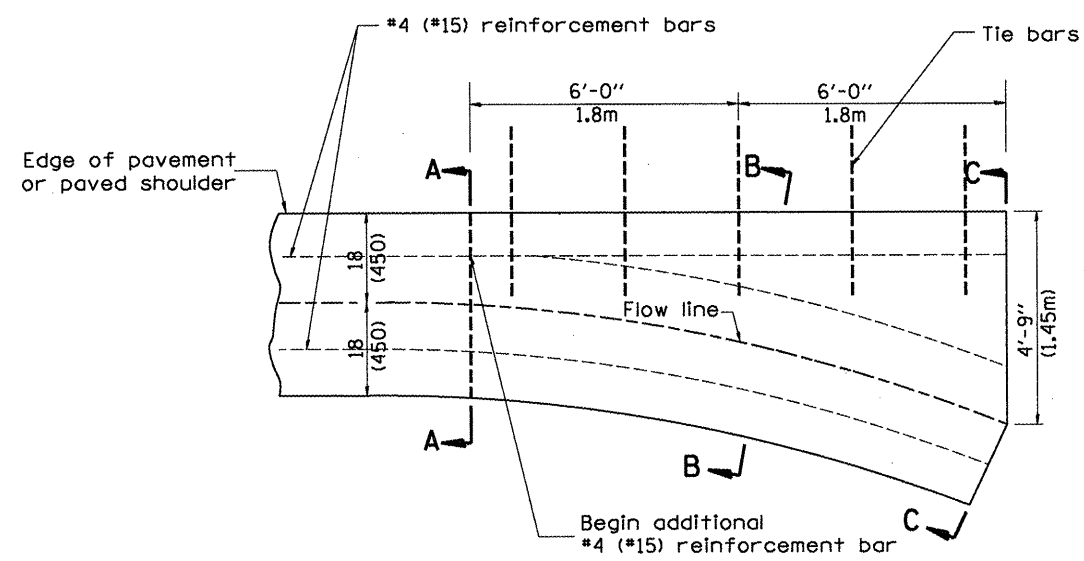
SHOULDER EDGE GUTTER

PAVEMENT EDGE GUTTER

TYPE A GUTTER (MODIFIED)



SECTION A-A

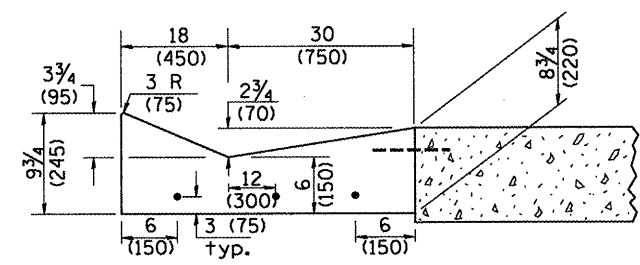


PLAN

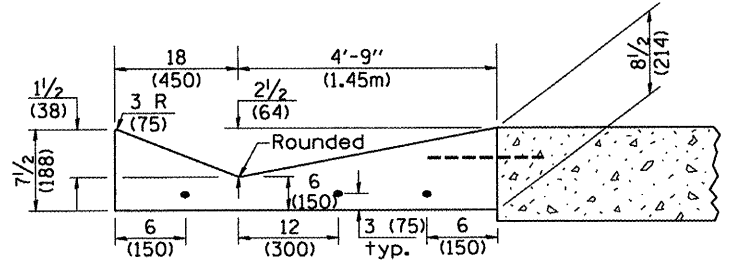
QUANTITY
Section C-C to A-A= 1.2 cu. yd.
(0.92 m³) concrete.

GENERAL NOTES:

1. TYPE A GUTTER (MODIFIED) shall conform to the applicable portions of Section 606.
2. Tie bars shall be No. 6 (No. 20) at 24" (600mm) centers unless otherwise shown.
3. Gutter, gutter inlets, gutter outlets, and gutter entrances shall be tied to rigid pavement in accordance with details shown on Standard 420001.
4. Joints shall be constructed in accordance with Article 606.06.
5. Welded wire fabric shall conform to Article 1006.10(c)(1), and shall not be less than 58 lbs/100 sq.ft. (2.83 kg/m²).



SECTION B-B



SECTION C-C

INLET

QUANTITIES	
CALC. BY:	DATE:
CHECKED BY:	DATE:
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION	

NO.	DESCRIPTION	T.P.	DATE	REVISION	M.A.
01-01-97	RENUM. A-1.02, NEW REVISION BOX, ELIMINATED	T.P.	01-10-07	REVISED QUANTITY	M.A.
	EXPANSION ANCHOR TIES		11-16-07	REVISED QUANTITY	M.A.
02-28-02	ENTRANCE TYPICALS REVISED	M.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

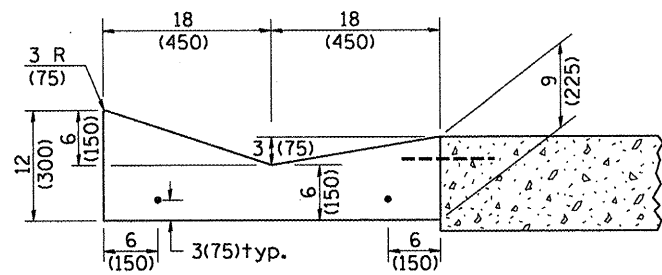
TYPE A GUTTER, (MODIFIED)
(INLET, OUTLET & ENTRANCE)

NOT TO SCALE

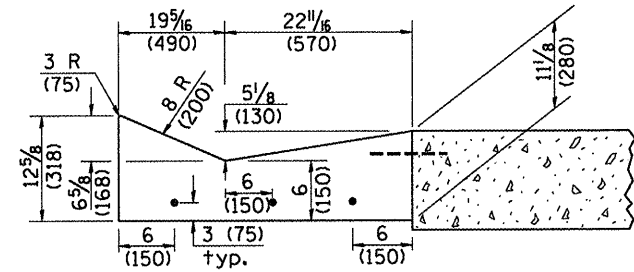
SHT. 1 OF 3
CADD STD. 606101-D4

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

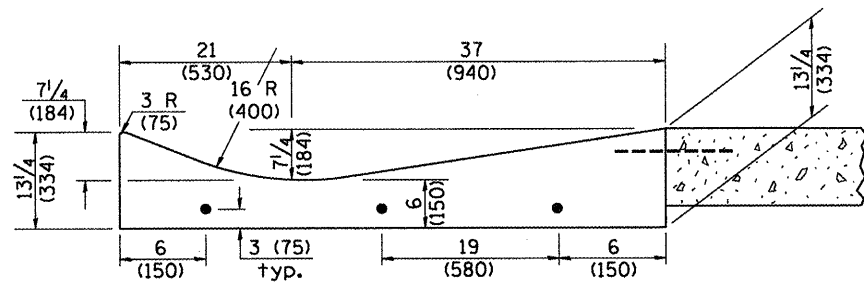
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36IN-1)	TAZEWELL	60	49
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A66	



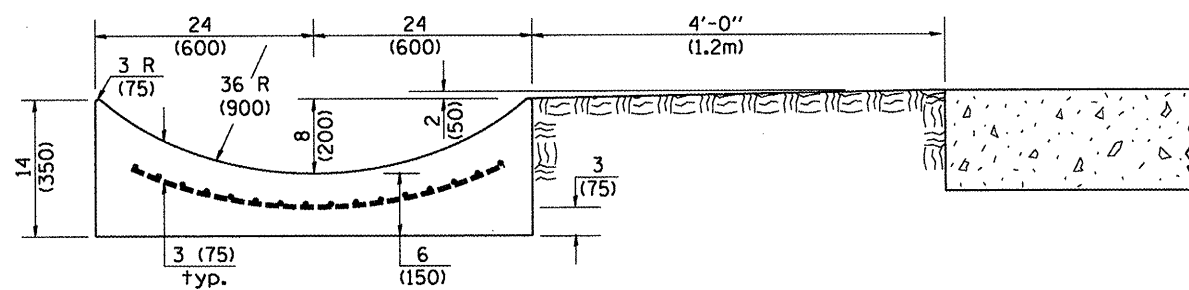
SECTION A-A



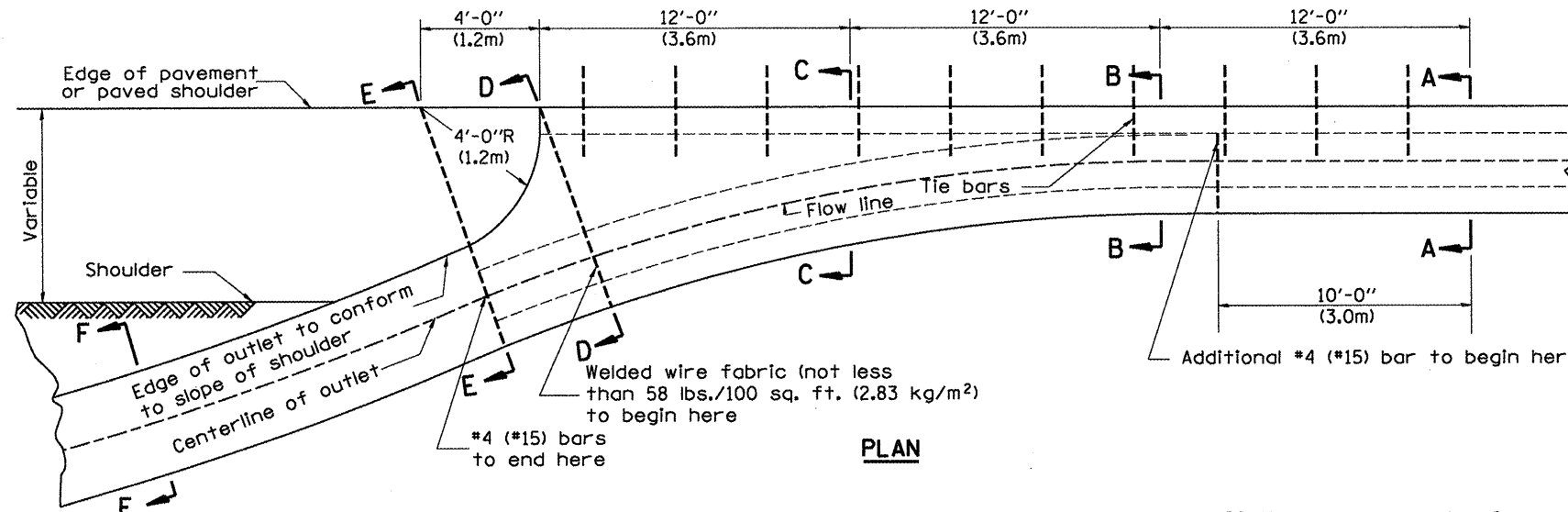
SECTION B-B



SECTION C-C



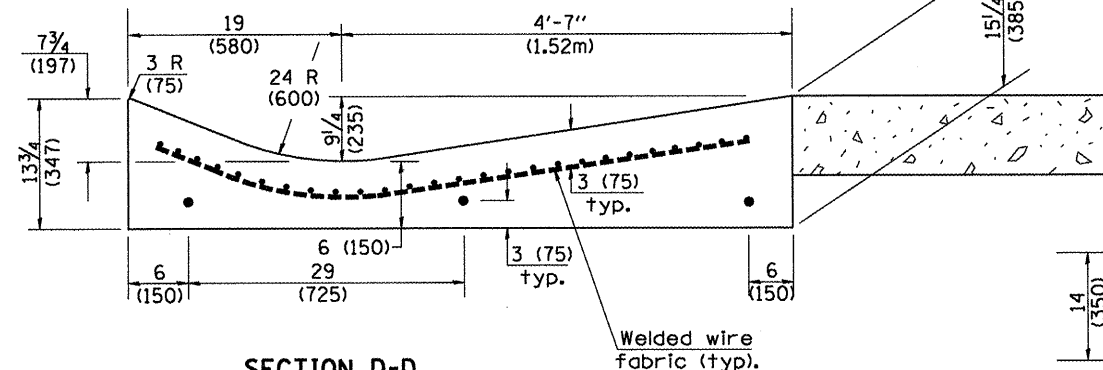
SECTION E-E



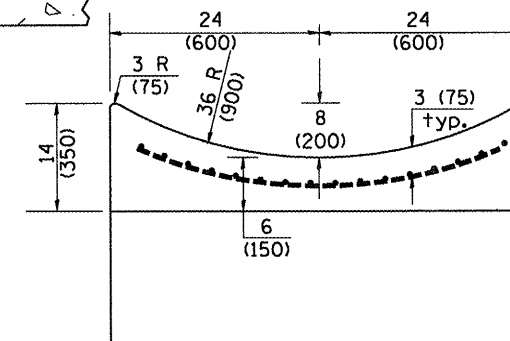
PLAN

QUANTITY
 Section A-A to E-E= 4.5 cu. yd. (3.36 m³) concrete.
 Section E-E to F-F= 0.10 cu. yd./ft. (0.26 m³/m) concrete.

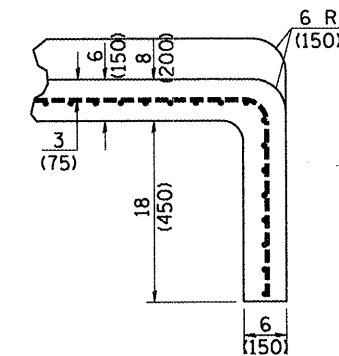
If the average grade of pavement for the distance from section A-A to section D-D exceeds 2%, this distance shall be increased 6 ft. (1.8 m) for each 1% increase in grade. A quantity adjustment is required.



SECTION D-D



SECTION F-F



SECTIONS AT END OF OUTLET
(CURTAIN WALL)

QUANTITY
 Curtain Wall = 0.1 cu. yd. (0.08 m³) concrete.

QUANTITIES	
CALC. BY:	DATE:
CHECKED BY:	DATE:

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

OUTLET

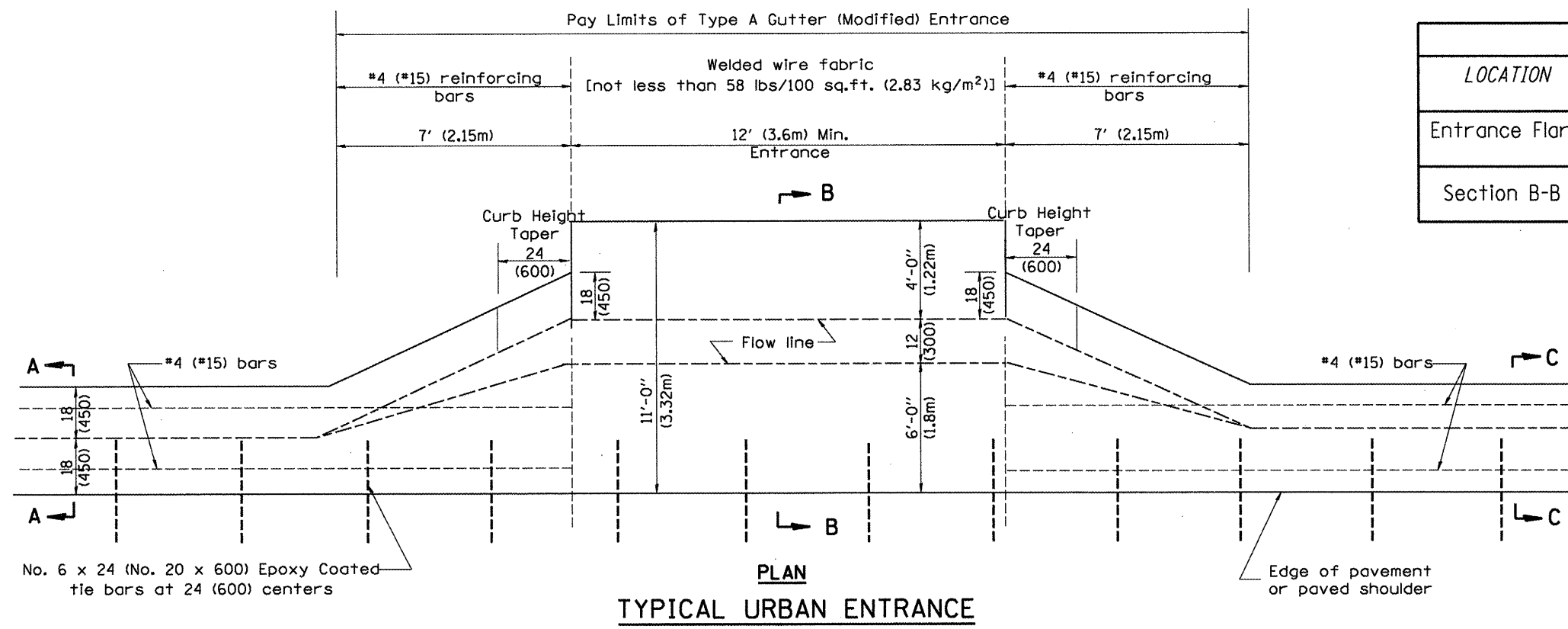
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPE A GUTTER, (MODIFIED)
 (INLET, OUTLET & ENTRANCE)

NOT TO SCALE

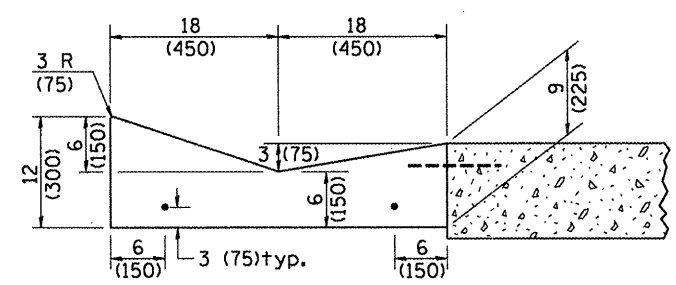
SHT. 2 OF 3
 CADD STD. 606101-D4

All dimensions are in inches (millimeters) unless otherwise noted.				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	(35,36IN-1)	TAZEWELL	60	50
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A66	

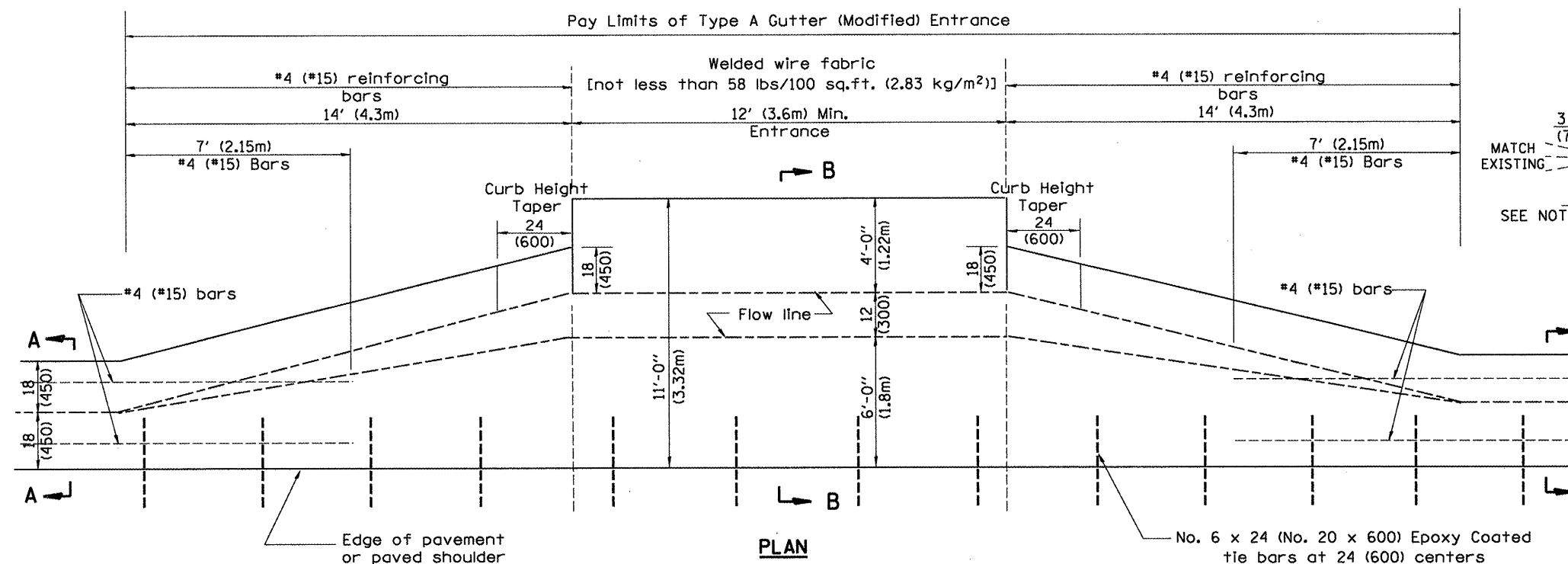


PLAN
TYPICAL URBAN ENTRANCE

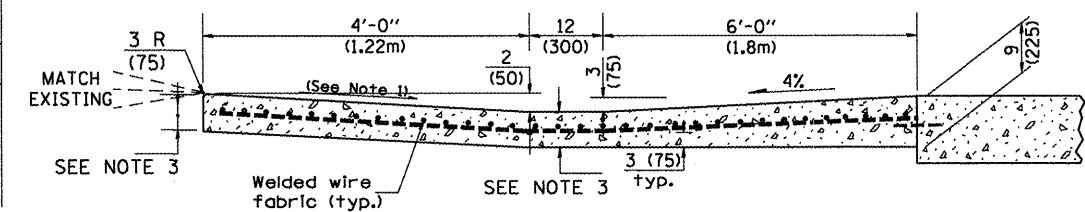
QUANTITY CALCULATION			
LOCATION	LENGTH	NON-COMMERCIAL	COMMERCIAL ENTRANCE
		6 (150)	8 (200)
Entrance Flare	7 Ft (2.15 m) Urban 14 Ft (4.30 m) Rural	0.15 Cu Yd / Ft (0.37 Cu M / M)	0.18 Cu Yd / Ft (0.45 Cu M / M)
Section B-B	See Plans	0.23 Cu Yd / Ft (0.57 Cu M / M)	0.28 Cu Yd / Ft (0.70 Cu M / M)



SECTION A-A & C-C



PLAN
TYPICAL RURAL ENTRANCE
ENTRANCE



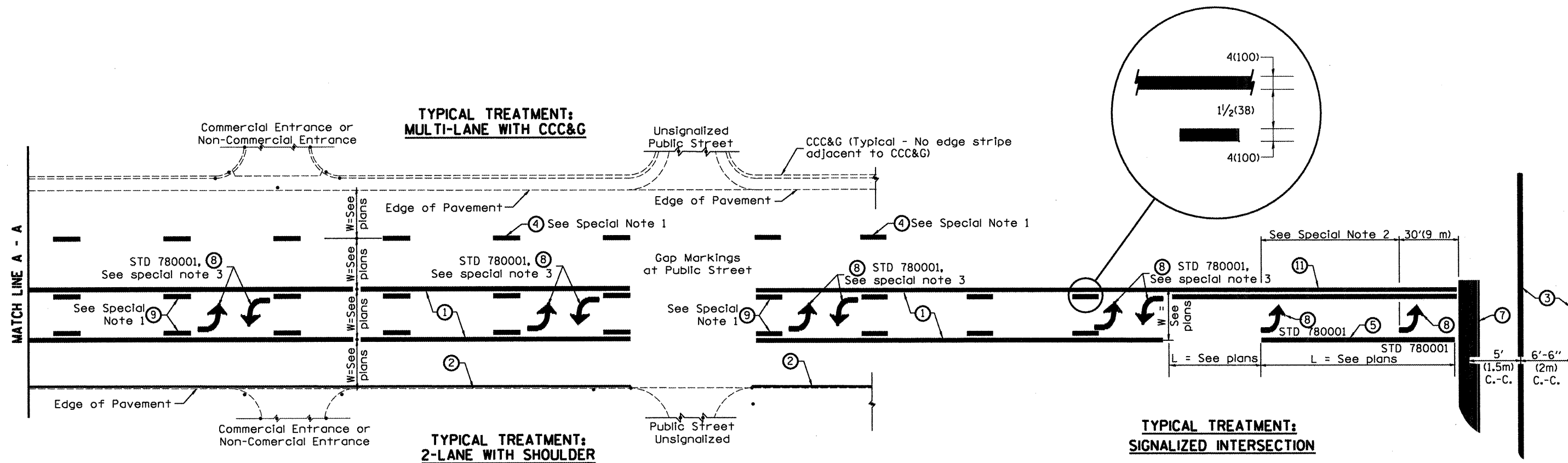
SECTION B-B

QUANTITIES	
CALC. BY:	DATE:
CHECKED BY:	DATE:

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

- GENERAL NOTES
- Slope may be increased from 4% (min.) to 6% (max.) in order to match the existing.
 - The cross-slope is to be constructed as given in the plans from back turnout to where driveway matches existing.
 - For Non-Commercial Entrances the driveway thickness shall be 6 (150). For Commercial Entrances the driveway thickness shall be 8 (200).

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



**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 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m) min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m) min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) 45°
- ⑪ 4(100) Double Solid (Yellow) 11(280) C.-C. See Table A

SPECIAL NOTES

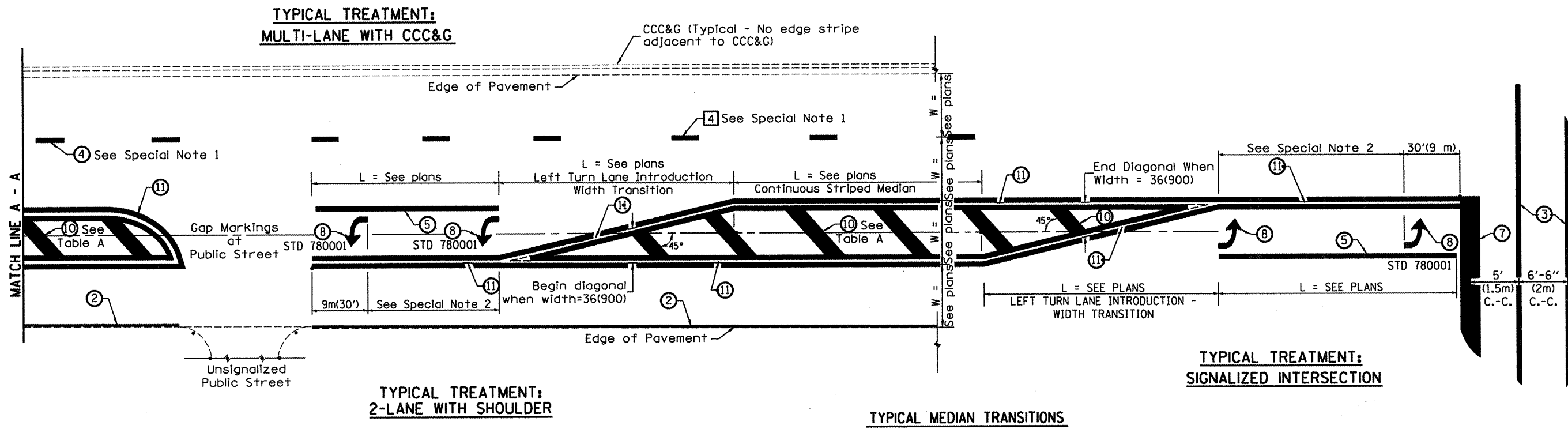
1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows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

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.

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL PAVEMENT MARKINGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.					399	(35,36)N-1	TAZEWELL	60	52	
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.					SHT. 1 OF 2 CADD STD. 780001-D4					
08-02	ADD CROSSWALK DIMS. WITH T.S.	M.A.					CONTRACT NO. 68A66 ILLINOIS FED. AID PROJECT					

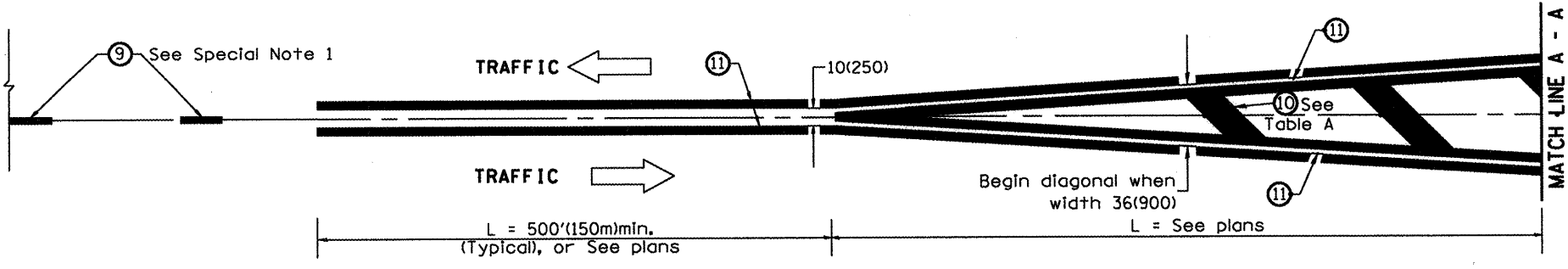
NOT TO SCALE



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
		5' (1.5m) C.-C.	6'-6" (2m) C.-C.
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)	
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)	
Over 45 mph (70 km/h)	150' (46m)	30' (9m)	

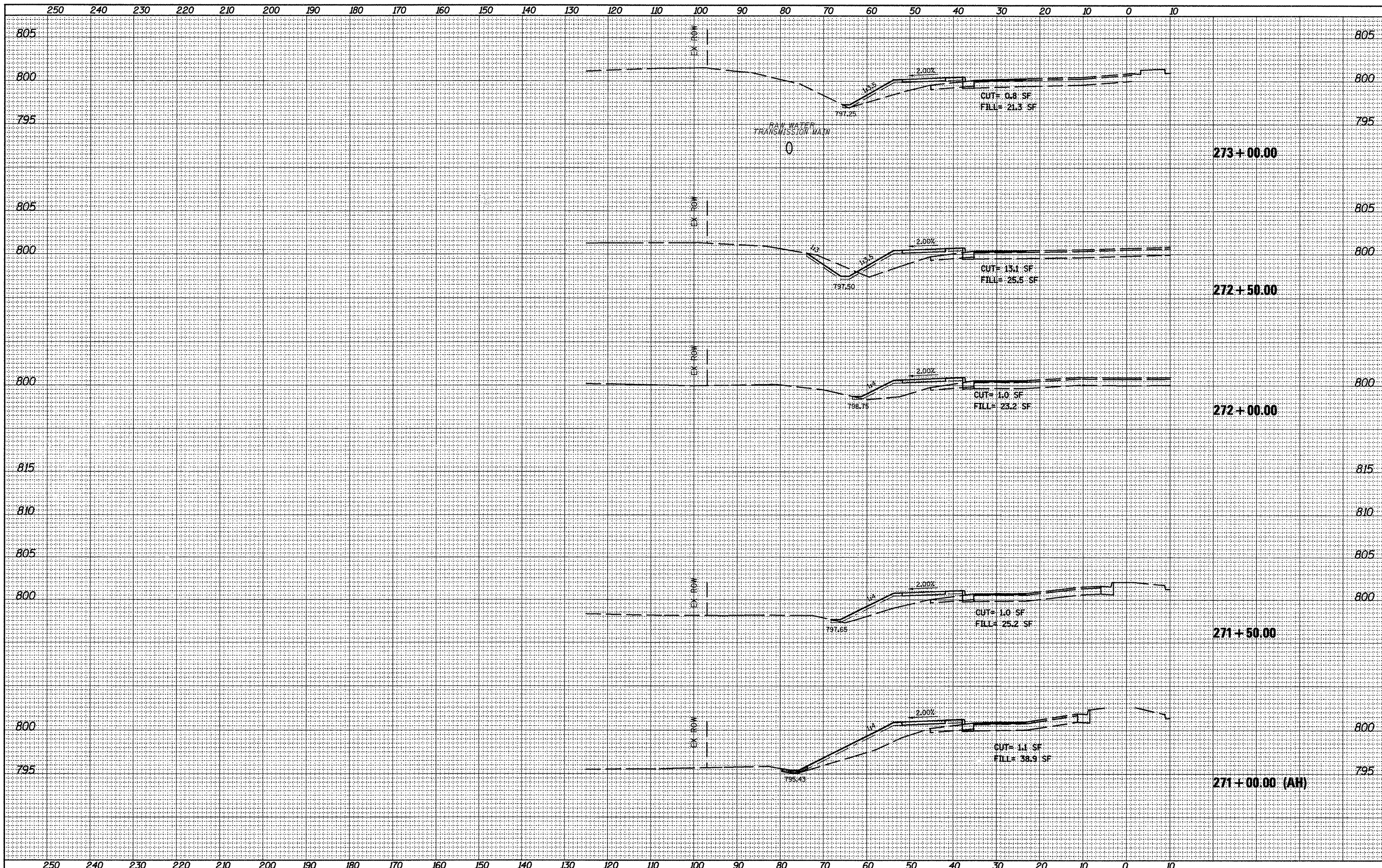


MEDIAN INTRODUCTION - WIDTH TRANSITIONS

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

UNCHECKED	DESIGNED
SURVEY	DRAWN
PLOTTED	CHECKED
TEMPLATE	REVISIONS
NO.	NO.

UNCHECKED	DESIGNED
SURVEY	DRAWN
PLOTTED	CHECKED
TEMPLATE	REVISIONS
NO.	NO.



FILE NAME =
D412345-sht-details.dgn

USER NAME = boyer-mj	DESIGNED -	REVISED -
PLOT SCALE = 20.0/913' / in.	DRAWN -	REVISED -
PLOT DATE = 12/15/2011	CHECKED -	REVISED -
	DATE -	REVISED -

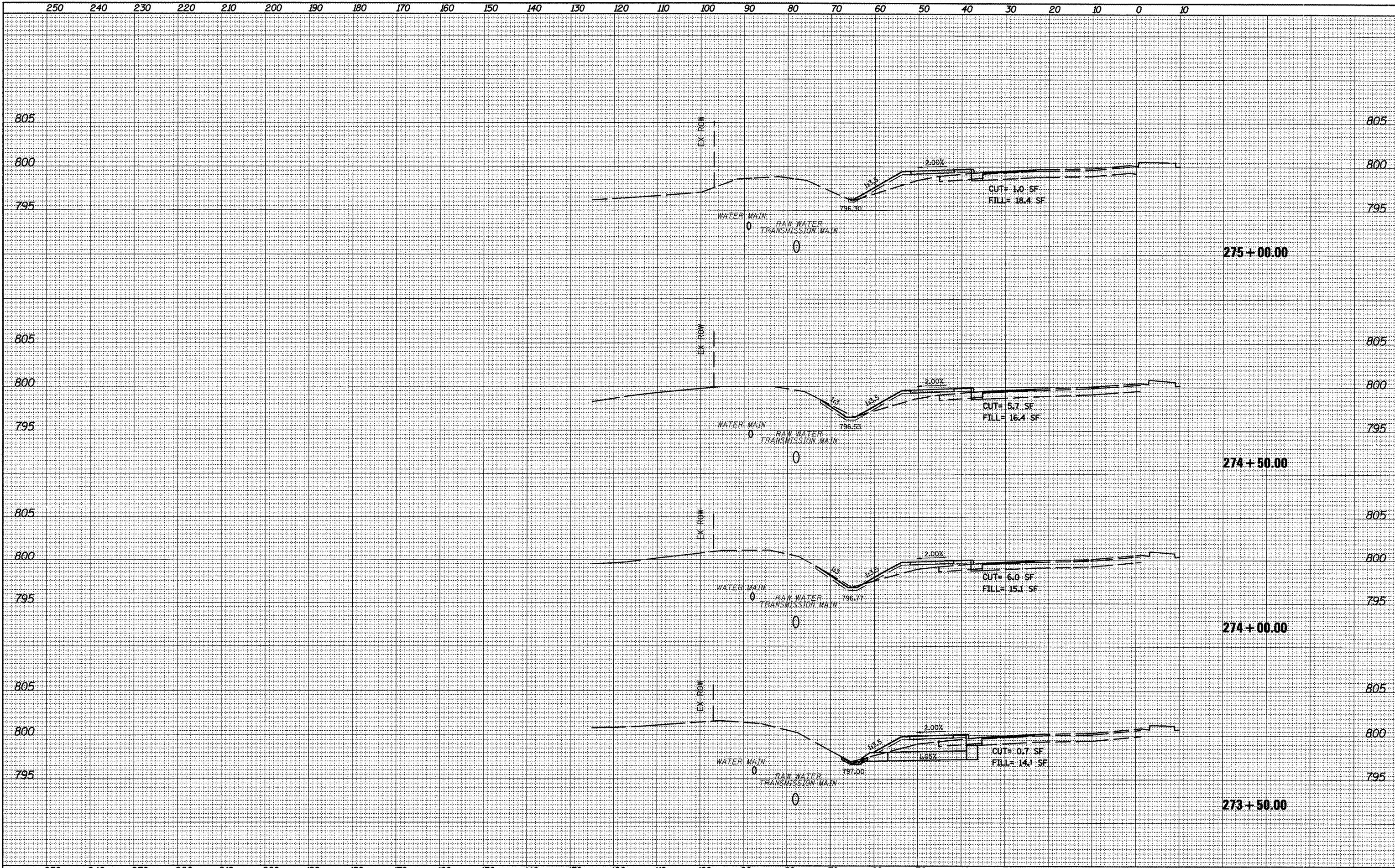
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 270+50.00 TO STA. 273+00.00

F.A.P. RTE. 399	SECTION (35,36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 54
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68A66	

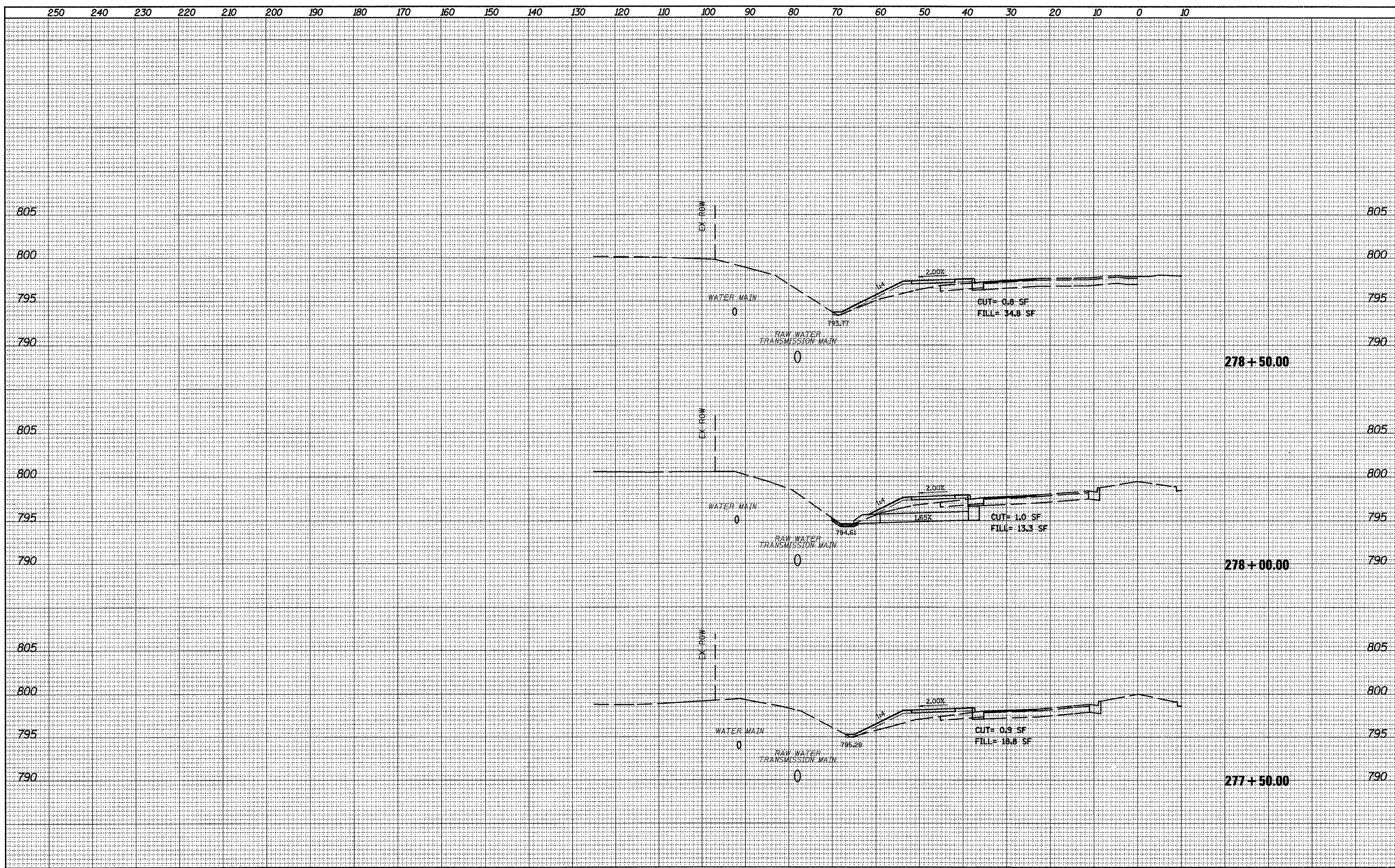
SURVEYED _____
 SURVEY _____
 FLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____



FILE NAME = 0412345-shr-details.dgn	USER NAME = boyermj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	F.A.P. RTE. 399	SECTION (35,36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 55	
PLOT SCALE = 20.0' = 1" / in.	CHECKED -	REVISED -	SCALE:			SHEET OF SHEETS	STA. 273+50.00 TO STA. 275+00.00	CONTRACT NO. 68A66		ILLINOIS FED. AID PROJECT	
PLOT DATE = 12/15/2011	DATE -	REVISED -									

SURVEYED
 SURVEY
 NOTE BOOK
 PLATE
 AREAS
 CHECKED

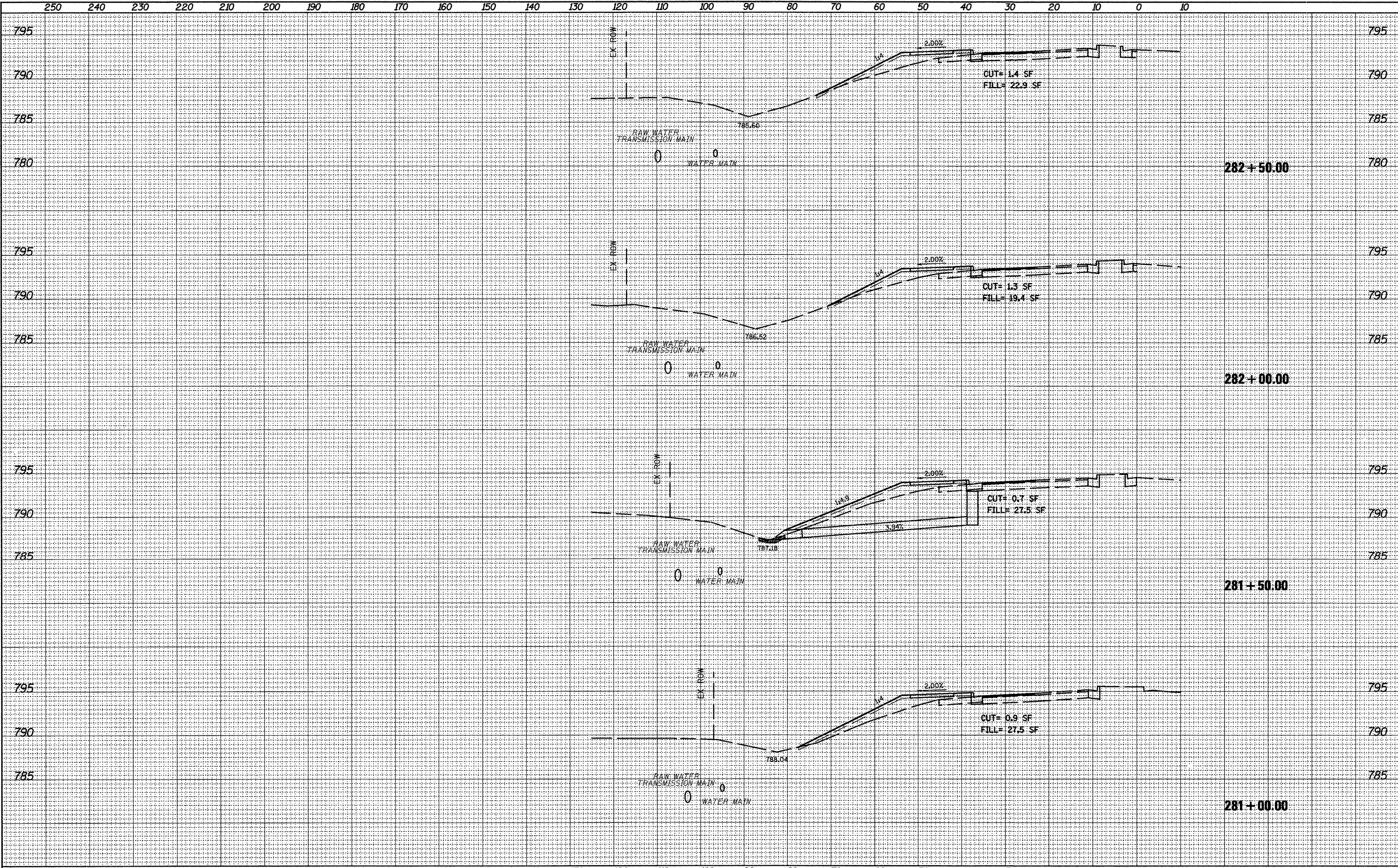
SURVEYED
 SURVEY
 NOTE BOOK
 PLATE
 AREAS
 CHECKED



FILE NAME = D412345-sht-details.dgn	USER NAME = boyer.m.j	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	F.A.P. RTE. 399	SECTION (35,36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 57		
	PLOT SCALE = 28.0913' / 1" =	DRAWN -	REVISED -			SCALE:	SHEET OF SHEETS	STA. 277+50.00 TO STA. 278+50.00	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 12/15/2011	CHECKED -	REVISED -						CONTRACT NO. 68A66			
		DATE -	REVISED -									

SURVEYED _____
 PLOTTED _____
 SURVEY NOTE BOOK _____
 TEMPLATE _____
 AREAS CHECKED _____
 NO. _____

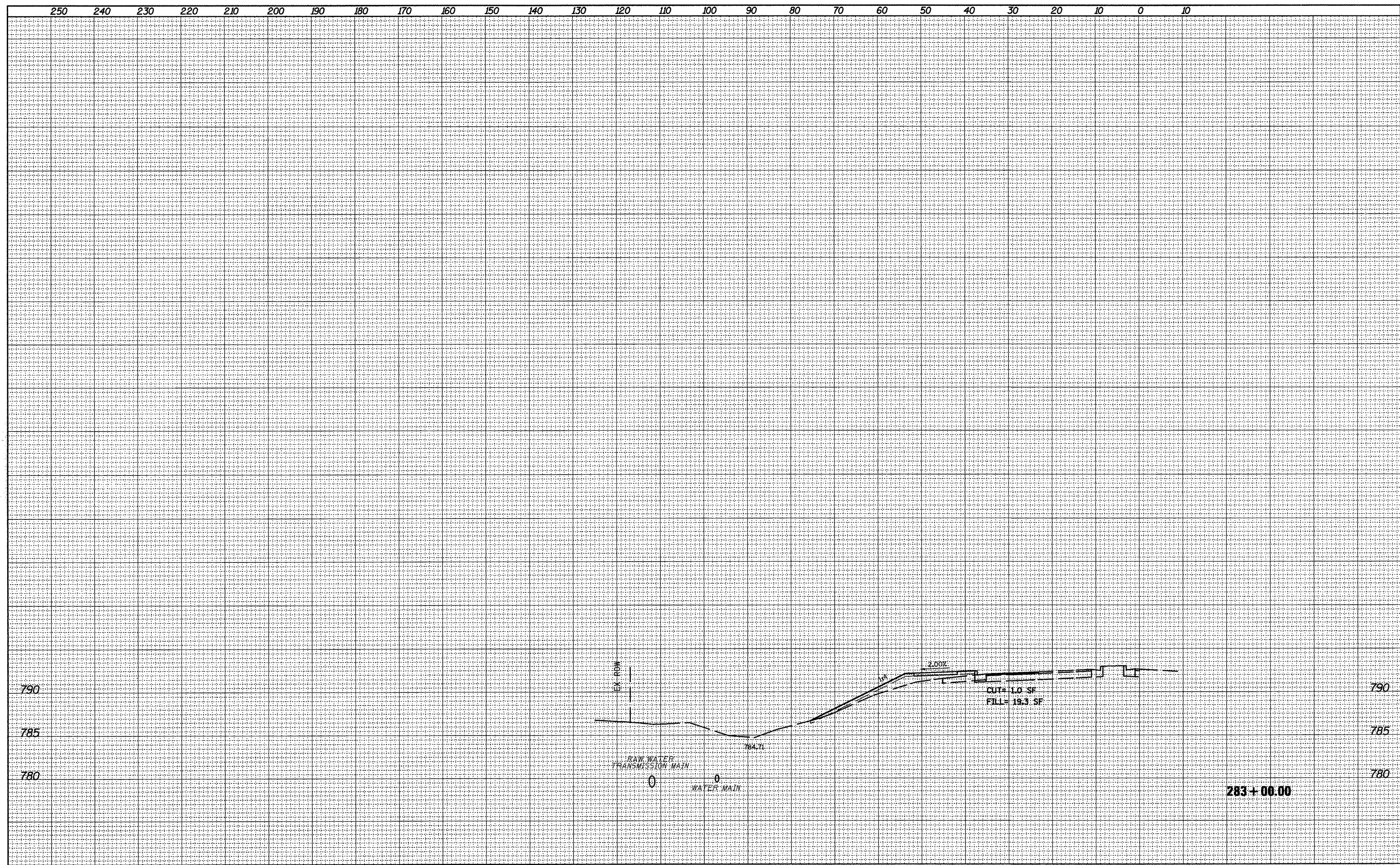
SURVEYED _____
 PLOTTED _____
 SURVEY NOTE BOOK _____
 TEMPLATE _____
 AREAS CHECKED _____
 NO. _____



FILE NAME = 0412345-sht-details.dgn	USER NAME = boymrj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	F.A.P. RTE. 399	SECTION (35,36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 59		
PLOT SCALE = 20.0/13' / 1in.	CHECKED -	REVISED -	SCALE: _____			SHEET _____ OF _____ SHEETS	STA. 281+00.00 TO STA. 282+50.00	CONTRACT NO. 68A66				
PLOT DATE = 12/15/2011	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									

SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



FILE NAME = D412345-shd-details.dgn	USER NAME = boyer-nj	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	F.A.P. RTE. 399	SECTION (35,36)N-1	COUNTY TAZEWELL	TOTAL SHEETS 60	SHEET NO. 60		
	PLOT SCALE = 28.0000' / in.	DRAWN -	REVISED -			SCALE:	SHEET OF SHEETS	STA. 283+00.00 TO STA. 283+00.00	CONTRACT NO. 68A66			
	PLOT DATE = 12/15/2011	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									