

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	1
ILLINOIS		CONTRACT NO. 68B05		

D-94-051-12

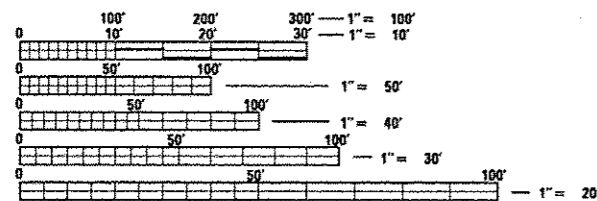
FOR INDEX OF SHEETS, SEE SHEET NO. 2

STANDARDS		DISTRICT - INCLUDED STANDARDS	INCLUDED As PLAN SHEETS (30-5)
000001-06	606006-02	281001	
001001-02	606301-04	406101	
280001-07	630001-10	406301	
420001-07	701006-05	406401	
482011-03	701201-04	440001	
542401-01	701311-03	606201	
602306-03	701701-09	635101	
604046-02	701901-03	780001	
606001-05	780001-04		
	781001-03		

DESIGN DESIGNATION:
Minor Arterial

IL 9:
ADT = 1900 (2011)
MU = 6.58% (2011)
SU = 5.26% (2011)

County Highway 6:
ADT = 2050 (2011)
MU = 3.90% (2011)
SU = 1.95% (2011)



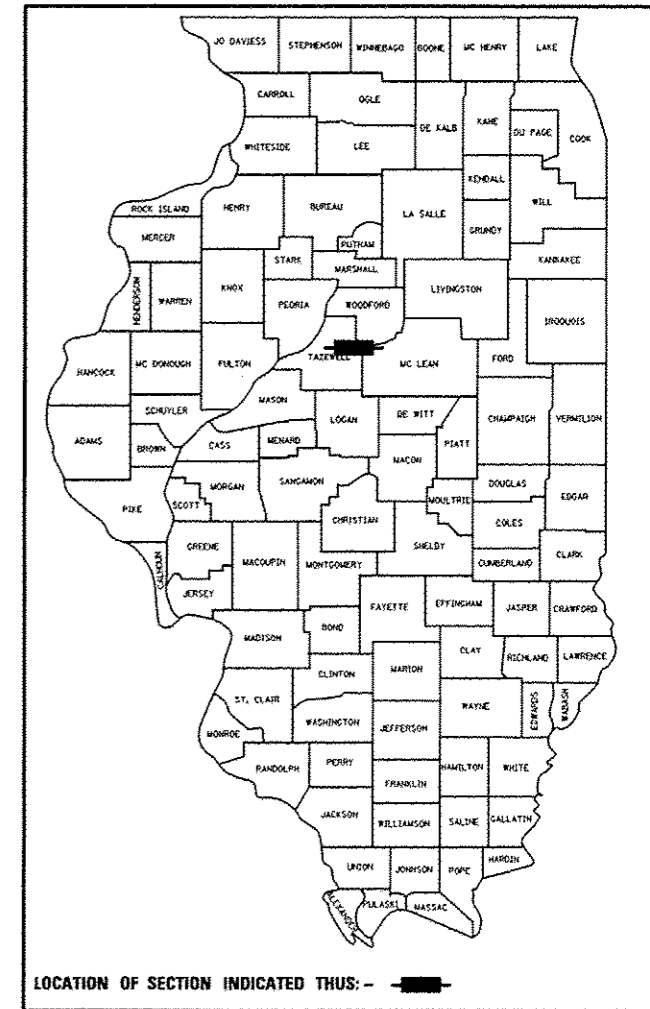
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

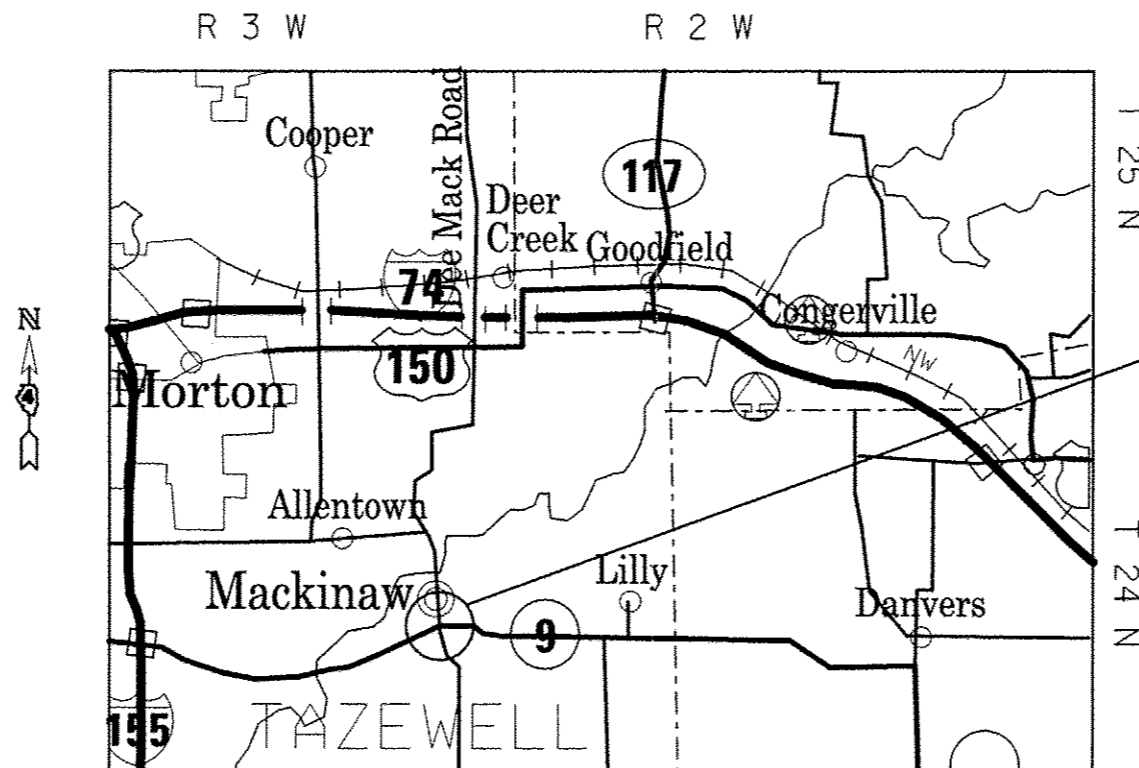
PROPOSED HIGHWAY PLANS

FAP ROUTE 693 (IL RTE 9)
SECTION 120N
SAFETY PROJECT
TAZEWELL COUNTY
PROJECT NO. ACHSIP-0693 (069)

C-94-091-12



LOCATION OF SECTION INDICATED THUS: -



PROJECT LIMITS
STA. 805+45 TO 819+13

PROJECT DESCRIPTION:
Intersection improvements at Illinois Route 9 and County Highway 6 (Orchards Road) in Mackinaw, Tazewell County.

PROJECT ENGINEER: CHRISTOPHER MAUSHARD (309) 671-3453
PROJECT MANAGER: CHRISTINE EVERS (309) 671-3477
CATALOG NO. 034811-00D
CONTRACT NO. 68B05

GROSS LENGTH = 1368 FT. = 0.26 MILE
NET LENGTH = 1368 FT. = 0.26 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED Oct 15 2013
Joseph Elmer
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT
Dec 6 2013
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Mixture Use(s):	Polymer Surface Course	HMA Base Course Widening	HMA Shoulder (Lower Lifts)	HMA Shoulder (Surface Lift)
AC/PG:	SBS or SBR 76-22	PG 64-22	PG 64-22	PG 64-22
RAP% (Max):**	10%	25%	25%	15%
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	3.0% @ N=50
Mixture Composition: (Gradation Mixture)	IL 9.5 or IL 12.5	IL 12.5	IL 12.5	IL 9.5 or 12.5
Friction Aggregate:	Mixture E	N.A.	N.A.	Mixture C

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.

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).

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.

TAPER REMOVAL FRAME & GRATES ADJUSTED BY OTHERS

At locations where frames and grates have previously been adjusted by others and they are surrounded by hot-mix asphalt tapers, the Contractor for this contract shall remove and dispose of the hot-mix asphalt taper material prior to the placement of the hot-mix asphalt surface course. This work will not be paid for separately, but will be considered as included in the cost of the HOT-MIX ASPHALT SURFACE COURSE pay item.

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.

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.

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.

JOB SPECIFIC NOTES

Embankment and backfill for the proposed curb and gutters and medians shall be included in the unit cost of the various items.

The existing monitoring well at station 810 + 65, 40' right is abandoned. It shall be filled as directed by the Engineer. This work shall not be paid for separately, but shall be included in the unit cost of the various items.

FILE NAME : c:\temp\68B05\04_68B05-ht-cover.dgn	USER NAME : kaithbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, GENERAL NOTES, & COMMITMENTS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0000' / 1" =	CHECKED -	REVISED -	693			120N	TAZEWELL	51	3	
PLOT DATE = 10/17/2013	DATE -	REVISED -	CONTRACT NO. 68B05			ILLINOIS FED. AID PROJECT				
Default			SCALE:			SHEET	OF	SHEETS	STA.	TO STA.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				TAZEWELL	TAZEWELL
				0021 RURAL	0021 RURAL
				90% FEDERAL	100% STATE
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	36	36	
20200100	EARTH EXCAVATION	CU YD	101.4	101.4	
21101615	TOPSOIL FURNISH & PLACE, 4"	SQ YD	175	175	
28000400	PERIMETER EROSION BARRIER	FOOT	200	200	
28000500	INLET AND PIPE PROTECTION	EACH	2	2	
28100705	STONE DUMPED RIPRAP, CLASS A3	SQ YD	11	11	
28200200	FILTER FABRIC	SQ YD	11	11	
35600728	HOT - MIX ASPHALT BASE COURSE WIDENING, 13"	SQ YD	733	733	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	1.6	1.6	
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	117.8	117.8	
40600990	TEMPORARY RAMP	SQ YD	58.9	58.9	
40603560	POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "E", N50	TON	304.8	304.8	
44000100	PAVEMENT REMOVAL	SQ YD	589	589	
44000155	HOT - MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	2570.6	2570.6	

14

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				TAZEWELL	TAZEWELL
				0021 RURAL	0021 RURAL
				90% FEDERAL	100% STATE
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	98	98	
44003100	MEDIAN REMOVAL	SQ FT	1318	1318	
44004250	PAVED SHOULDER REMOVAL	SQ YD	1412.7	1412.7	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	17.1	17.1	
48203100	HOT - MIX ASPHALT SHOULDERS	TON	232.3	232.3	
50102400	CONCRETE REMOVAL	CU YD	1	1	
50105220	PIPE CULVERT REMOVAL	FOOT	27	27	
54215559	METAL END SECTIONS 24"	EACH	1	1	
60100985	PIPE DRAINS 24"	FOOT	119	119	
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1	1	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	1	1	
60600095	CLASS S1 CONCRETE (OUTLET)	CU YD	1.84	1.84	
60605000	COMB. CONC. CURB AND GUTTER, TYPE B-6.24	FOOT	172	172	
60623200	CONCRETE MEDIAN, TYPE SM-6.24	SQ FT	1622.6	1622.6	

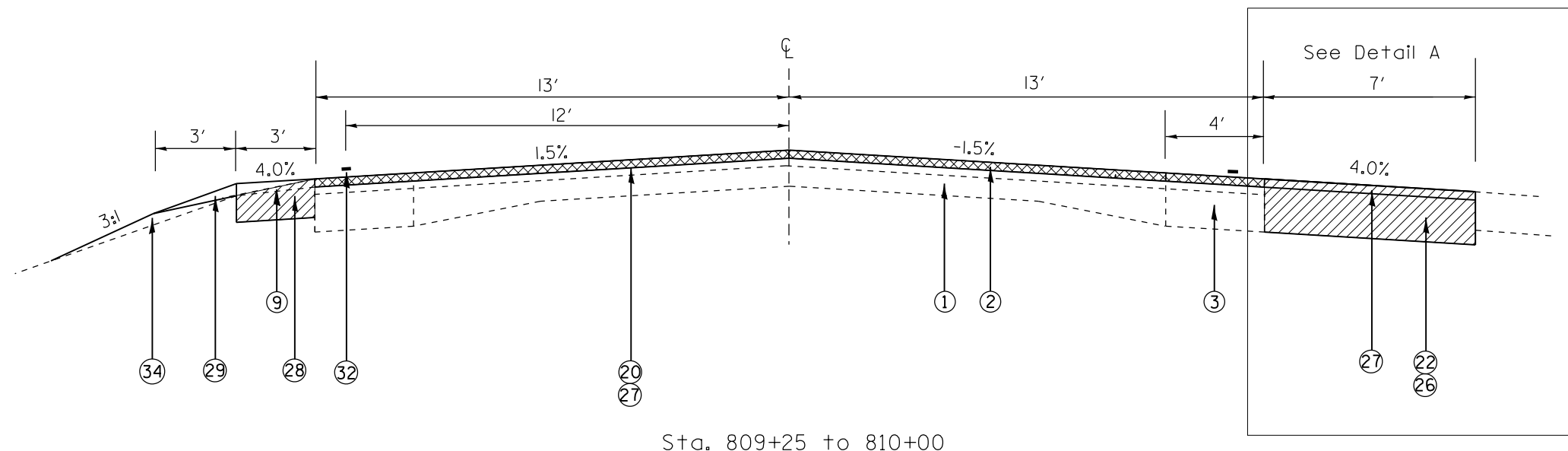
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				TAZEWELL	TAZEWELL
				0021 RURAL	0021 RURAL
				90% FEDERAL	100% STATE
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	310	310	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	2	2	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	759	759	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	6710	6710	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	77	77	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	253	253	
78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	6710	6710	
78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	77	77	
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	7	7	

• SPECIALTY ITEM

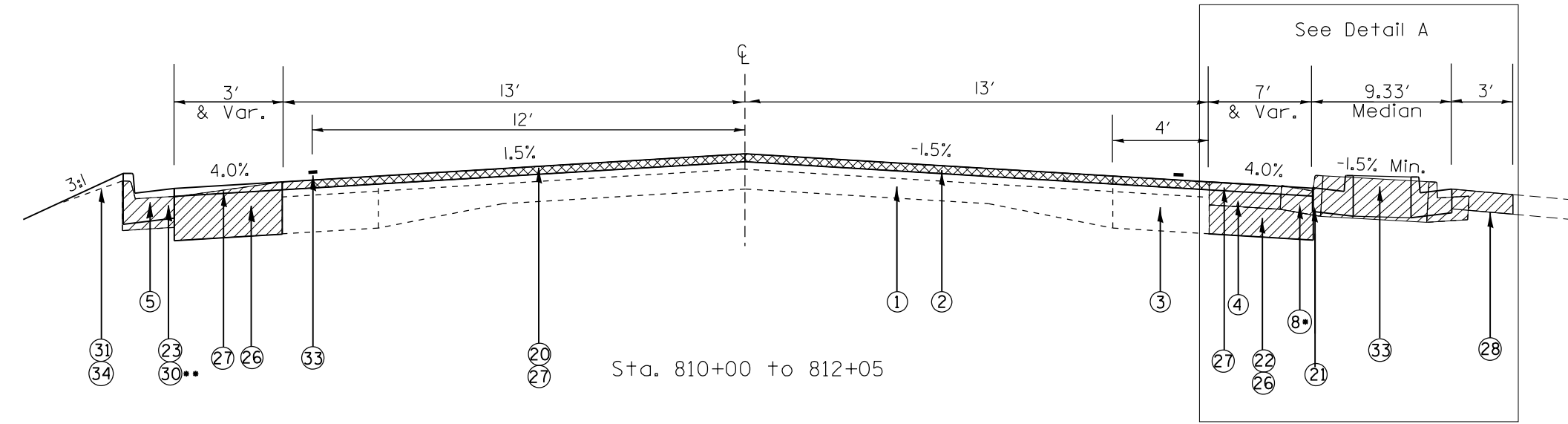
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				TAZEWELL	TAZEWELL
				0021 RURAL	0021 RURAL
				90% FEDERAL	100% STATE
78200410	GUARDRAIL MARKERS, TYPE A	EACH	4	4	
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	7	7	
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	10	10	
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	54	54	
82104250	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 W	EACH	2	2	
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	91	91	
87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1	1	
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15	15	
88040410	SIGNAL HEAD, POLYCARBONATE, LED, 4-FACE, 1-SECTION, MAST-ARM MOUNTED	EACH	1	1	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
X5420624	PIPE CULVERTS TO BE CLEANED 24"	FOOT	25		25
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	14	14	
X8040510	RELOCATE ELECTRIC SERVICE	EACH	1	1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	

• SPECIALTY ITEM

FILE NAME c:\temp\68b05\04_68b05-shs-cover.dgn	USER NAME kajshbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE 1/8" = 1'-0"	CHECKED -	REVISED -	693			I20N	TAZEWELL	51	7	
PLOT DATE 10/17/2013	DATE -	REVISED -	CONTRACT NO. 68B05							
ILLINOIS FED. AID PROJECT										

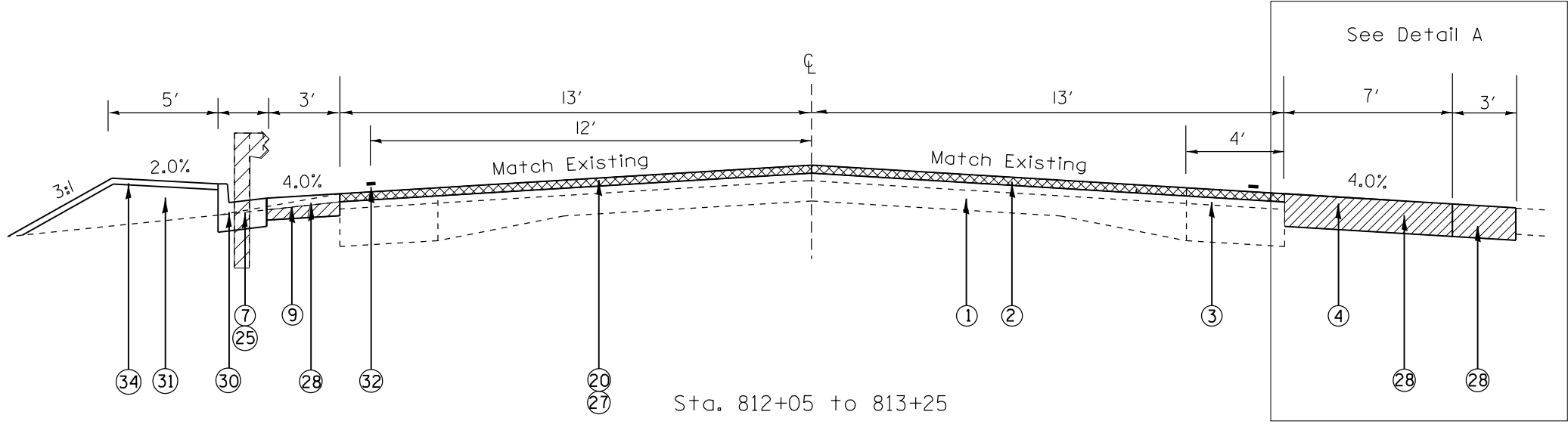


Sta. 809+25 to 810+00

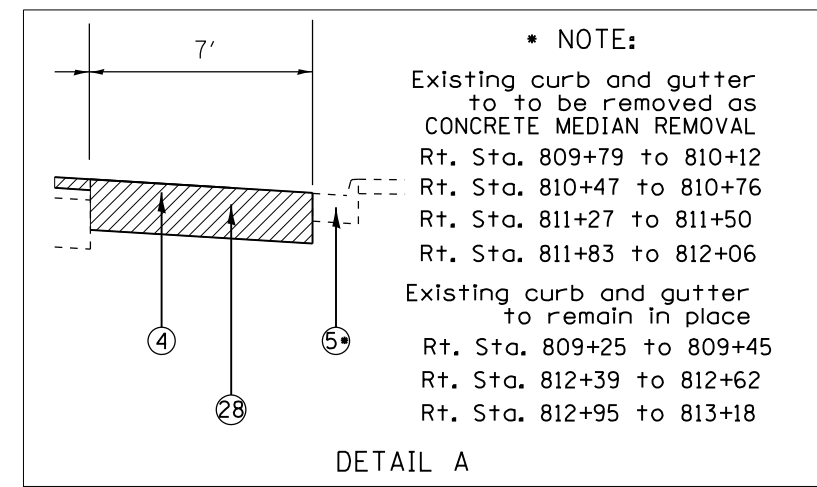


Sta. 810+00 to 812+05

** Proposed CCC&G start at Sta. 810+72



Sta. 812+05 to 813+25



*** NOTE:**
 Existing curb and gutter to to be removed as CONCRETE MEDIAN REMOVAL
 Rt. Sta. 809+79 to 810+12
 Rt. Sta. 810+47 to 810+76
 Rt. Sta. 811+27 to 811+50
 Rt. Sta. 811+83 to 812+06
 Existing curb and gutter to remain in place
 Rt. Sta. 809+25 to 809+45
 Rt. Sta. 812+39 to 812+62
 Rt. Sta. 812+95 to 813+18

DETAIL A

- LEGEND**
- 1 EXISTING PCC PAVEMENT 9-6-9
 - 2 EXISTING HOT-MIX ASPHALT OVERLAY
 - 3 EXISTING BASE COURSE WIDENING
 - 4 EXISTING HOT-MIX ASPHALT SHOULDER
 - 5 EXISTING CURB AND GUTTER
 - 6 EXISTING BITUMINOUS CURB
 - 7 EXISTING STEEL PLATE BEAM GUARDRAIL
 - 8 EXISTING PCC MEDIAN
 - 9 EXISTING AGGREGATE SHOULDER

 - 20 PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
 - 21 PROPOSED MEDIAN REMOVAL
 - 22 PROPOSED PAVEMENT REMOVAL
 - 23 PROPOSED CURB AND GUTTER REMOVAL
 - 24 PROPOSED PAVED SHOULDER REMOVAL
 - 25 PROPOSED GUARDRAIL REMOVAL
 - 26 PROPOSED HMA BASE COURSE WIDENING 13"
 - 27 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N50, 1 1/2"
 - 28 PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
 - 29 PROPOSED AGGREGATE SHOULDERS, TYPE B
 - 30 PROPOSED COMBINATION CONCRETE CURB AND GUTTER B-6.24
 - 31 PROPOSED EMBANKMENT
 - 32 PROPOSED EPOXY PAINT PAVEMENT MARKING
 - 33 PROPOSED CONCRETE MEDIAN
 - 34 PROPOSED TOPSOIL, 4"

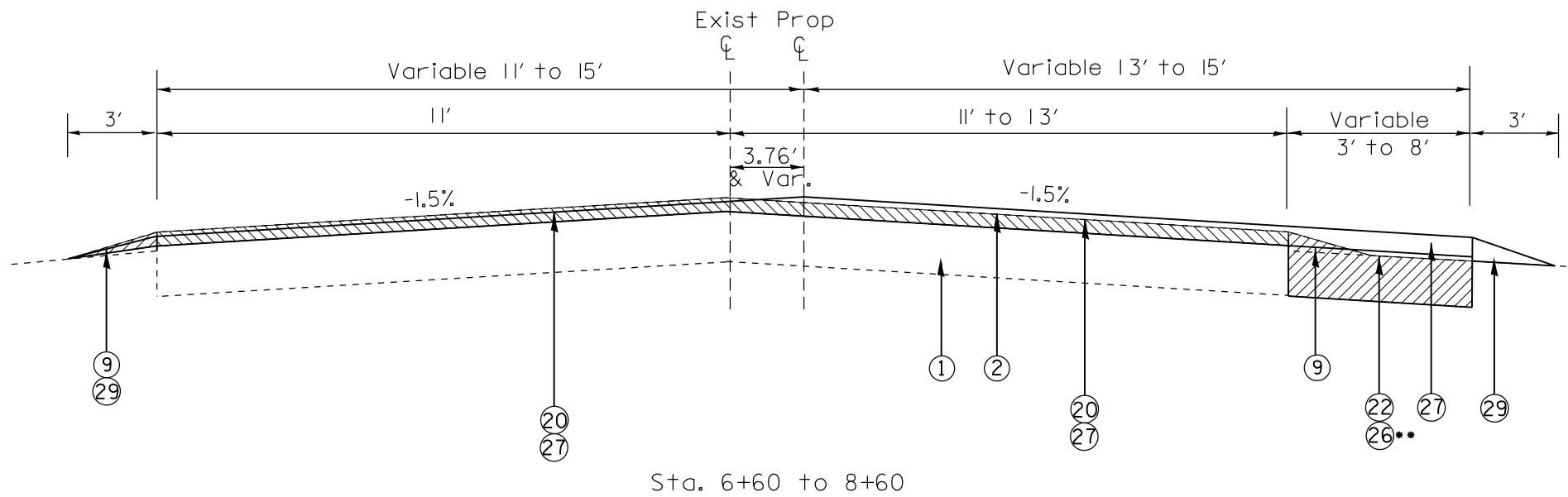
▨ Removal items. See Removal sheet and cross sections.

FILE NAME = c:\temp\68b05\04.68B05-sh1-cover.dgn	USER NAME = keathbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - IL ROUTE 9			F.A.P. RTE. 693	SECTION 120N	COUNTY TAZEWELL	TOTAL SHEETS 51	SHEET NO. 8
Default	PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 809+25	TO STA. 812+75	CONTRACT NO. 68B05	
	PLOT DATE = 10/17/2013	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
		DATE -	REVISED -									

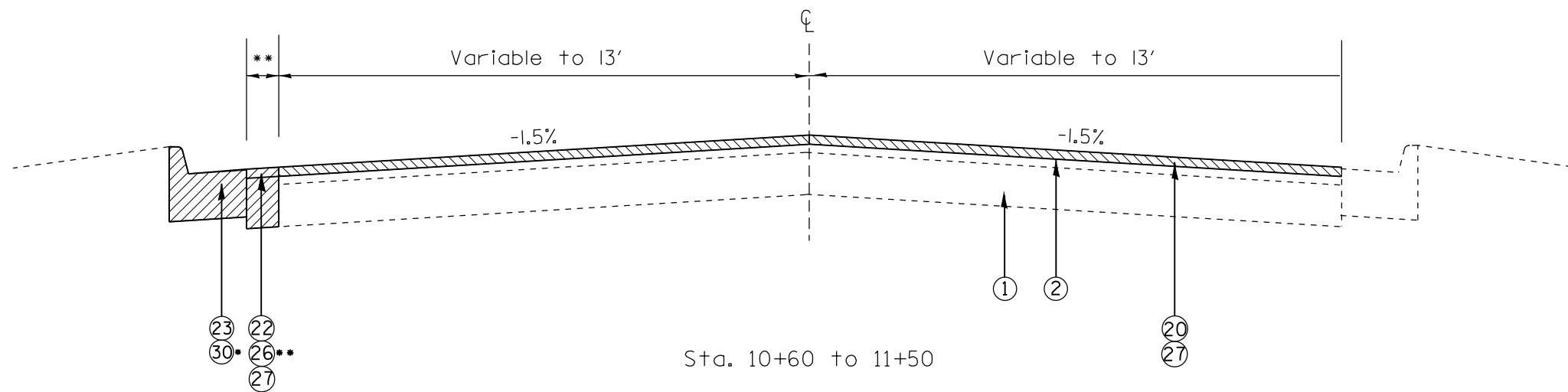
LEGEND

- 1 EXISTING PCC PAVEMENT 9-6-9
- 2 EXISTING HOT-MIX ASPHALT OVERLAY
- 3 EXISTING BASE COURSE WIDENING
- 4 EXISTING HOT-MIX ASPHALT SHOULDER
- 5 EXISTING CURB AND GUTTER
- 6 EXISTING BITUMINOUS CURB
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- 34 PROPOSED TOPSOIL, 4"



Sta. 6+60 to 8+60



Sta. 10+60 to 11+50

*CCC&G REMOVAL AND REPLACEMENT:

Rt. Sta. 10+45 to 10+50
 Lt. Sta. 10+03 to 10+64

** PROP HMA BASE COURSE WIDENING, 13" & PAVEMENT REMOVAL

Rt. Sta. 6+60 to 9+86
 Lt. Sta. 8+60 to 9+86
 Lt. Sta. 10+10 to 10+34

MEDIAN REMOVAL
 See Removal Sheet

NOTE:
 Centerline shifts from Sta. 6+60 to 8+60.
 Existing CL and proposed shifted CL elevations are to remain the same.
 See Plan Sheet for elevations and offsets.

FILE NAME = c:\temp\68b05\04.68b05-sh1-cover.dgn	USER NAME = keathbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS - COUNTY HIGHWAY 6	F.A.P. RTE. 693	SECTION 120N	COUNTY TAZEWELL	TOTAL SHEETS 51	SHEET NO. 9		
Default	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -			SCALE:	SHEET OF SHEETS	STA. 809+25	TO STA. 812+75	CONTRACT NO. 68B05		
	PLOT DATE = 10/17/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						

RESURFACING TABLE										
LOCATION	WIDTH	LENGTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL		TEMPORARY RAMP	BITUMINOUS PRIME COAT	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE MIX "E", N50		
				BUTT JOINT	1.5"			1.5"		
				FT	FT			SQ YD	SQ YD	SQ YD
County Highway 6										
6+59 TO 09+81	VARIABLE	322	1341.8	26.7	840.0	13.3	0.5	112.7		
10+15 TO 11+50	VARIABLE	135	686.7	33.3	632.8	16.7	0.3	65.4		
IL ROUTE 9										
809+25 TO 813+25	26	400	1508.6	57.8	1097.8	28.9	0.8	126.7		
TOTALS							1.6	304.8		

PRIME COAT APPLICATION RATES	
SURFACE TYPE	BITUMINOUS PRIME COAT
	(GAL/SQ YD)
ON GRANULAR BASE	0.5
ON COLD MILLED SURFACE	0.1
EXISTING PAVEMENT	0.05
FOG COAT ON NEW BINDER	0.03
0.004 TONS PER GALLON FOR BITUMINOUS PRIME COAT	

HMA AND COARSE AGGREGATE APPLICATION RATES	
HMA SURFACE AND BINDER	112 LB/SQ YD IN
ALL OTHER HMA	112 LB/SQ YD IN
COARSE AGGREGATE	2.05 TONS/CU YD

TREE REMOVAL	
LOCATION	UNIT
IL 9	
LT STA 817+40	36
TOTAL	36

PAVEMENT REMOVAL	
LOCATION	SQ YD
Northwest Corner	13.9
Southwest Corner	273.8
Southeast Corner	299.5
Lt. Sta. 811+82 (Inlet location)	1.8
TOTAL	589.0

COMBINATION CURB & GUTTER REMOVAL	
LOCATION	FOOT
County Highway 6	
RT STA 10+47 to 10+53	30
LT STA 10+03 to 10+55	68
TOTAL	98

PAVED SHOULDER REMOVAL	
LOCATION	SQ YD
IL 9	
Rt. Sta. 810+10 to 810+75	676.6
Lt. Sta. 812+00 to 813+00	691.7
Lt. Sta. 812+00 to 813+00	44.4
TOTAL	1412.7

MEDIAN REMOVAL	
LOCATION	SQ FT
IL 9	
RT STA 809+79 to 810+12	315.6
RT STA. 810+47 to 810+76	344
RT STA 811+27 to 811+50	338
RT STA 811+83 to 812+06	320.4
TOTAL	1318

CONCRETE REMOVAL	
LOCATION	CU YD
IL 9	
RT STA 810+63 (2.2' x 2.2' x 1.167')*	0.17
RT STA 811+43 (2.8' x 2.8' x 3')*	0.87
TOTAL	1.04

* Foundation Removal

PIPE CULVERT REMOVAL	
LOCATION	FOOT
IL 9	
LT STA. 811+82 TO 812+08	27
TOTAL	27

TOPSOIL FURNISH & PLACE, 4"	
LOCATION	SY YD
IL 9	
LT. STA 809+25 to 810+50	41.7
LT. STA 812+00 to 813+25	133.3
TOTAL	175

PERIMETER EROSION BARRIER	
LOCATION	FOOT
IL 9	
Lt. Sta. 809+25 to 810+25	100
Lt. Sta. 812+00 to 813+00	100
TOTAL	200.0

INLET AND PIPE PROTECTION	
LOCATION	EACH
IL 9	
Lt. Sta. 808+75	1
Lt. Sta. 813+00	1
TOTAL	2.0

STONE DUMPED RIP RAP, CLASS A3	
LOCATION	SQ YD
IL 9	
Lt. Sta. 810+67 to 810+72	2.8
Lt. Sta. 813+00 to 813+15	8.3
TOTAL	11.1

FILTER FABRIC	
LOCATION	SQ YD
IL 9	
Lt. Sta. 810+67 to 810+72	2.8
Lt. Sta. 813+00 to 813+15	8.3
TOTAL	11.1

HMA BASE COURSE WIDENING 13"	
LOCATION	SQ YD
Northwest Corner	349.4
Southwest Corner	57.1
Southeast Corner	326.5
Lt. Sta. 811+82 (Inlet location)	0.1
TOTAL	733.0

AGGREGATE SHOULDERS, TYPE B	
LOCATION	TON
IL 9	
Lt. Sta. 809+25 to 810+67	5.4
County Highway 6	
Sta. 6+60 to 9+00	11.7
TOTAL	17.1

HOT-MIX ASPHALT SHOULDERS	
LOCATION	TON
IL 9	
Lt. Sta. 809+25 to 810+00	11.2
Lt. Sta. 811+98 to 813+00	15.2
Rt. Sta. 809+40 to 809+96	27.8
Rt. Sta. 812+66 to 814+50	85.9
County Highway 6	
Lt. Sta. 811+98 to 813+00	62.2
Rt. Sta. 812+66 to 814+50	29.9
TOTAL	232.3

METAL END SECTIONS 24"	
LOCATION	EACH
IL 9	
LT STA 813+00	1
TOTAL	1

PIPE DRAINS, 24"	
LOCATION	FOOT
IL 9	
LT STA. 811+82 to 813+00 @ .42%	119
TOTAL	119

INLETS, TYPE B, TYPE 3 FRAME & GRATE	
LOCATION	EACH
IL 9	
Lt. Sta. 811+82	1
TOTAL	1

FRAMES AND GRATES TO BE ADJUSTED	
LOCATION	EACH
IL 9	
LT STA 811+56	1
TOTAL	1

CLASS SI CONCRETE (OUTLET)	
LOCATION	CU YD
IL 9	
LT STA 810+72 to 810+84	0.92
LT STA 812+88 to 813+00	0.92
TOTAL	1.84

COMB CONC CURB & GUTTER, TY B-6.24	
LOCATION	FOOT
NW Corner	62
NE Corner	110
TOTAL	172

CONCRETE MEDIAN TY SB-6.24	
LOCATION	SQ FT
IL 9	
RT STA 809+79 to 810+60	739.1
RT STA 810+47 to 811+50	883.5
TOTAL	1622.6

ENGINEER'S FIELD OFFICE, TYPE A	
LOCATION	CAL MO
Jobsite	3
TOTAL	3

MOBILIZATION	
LOCATION	L SUM
Jobsite	1
TOTAL	1

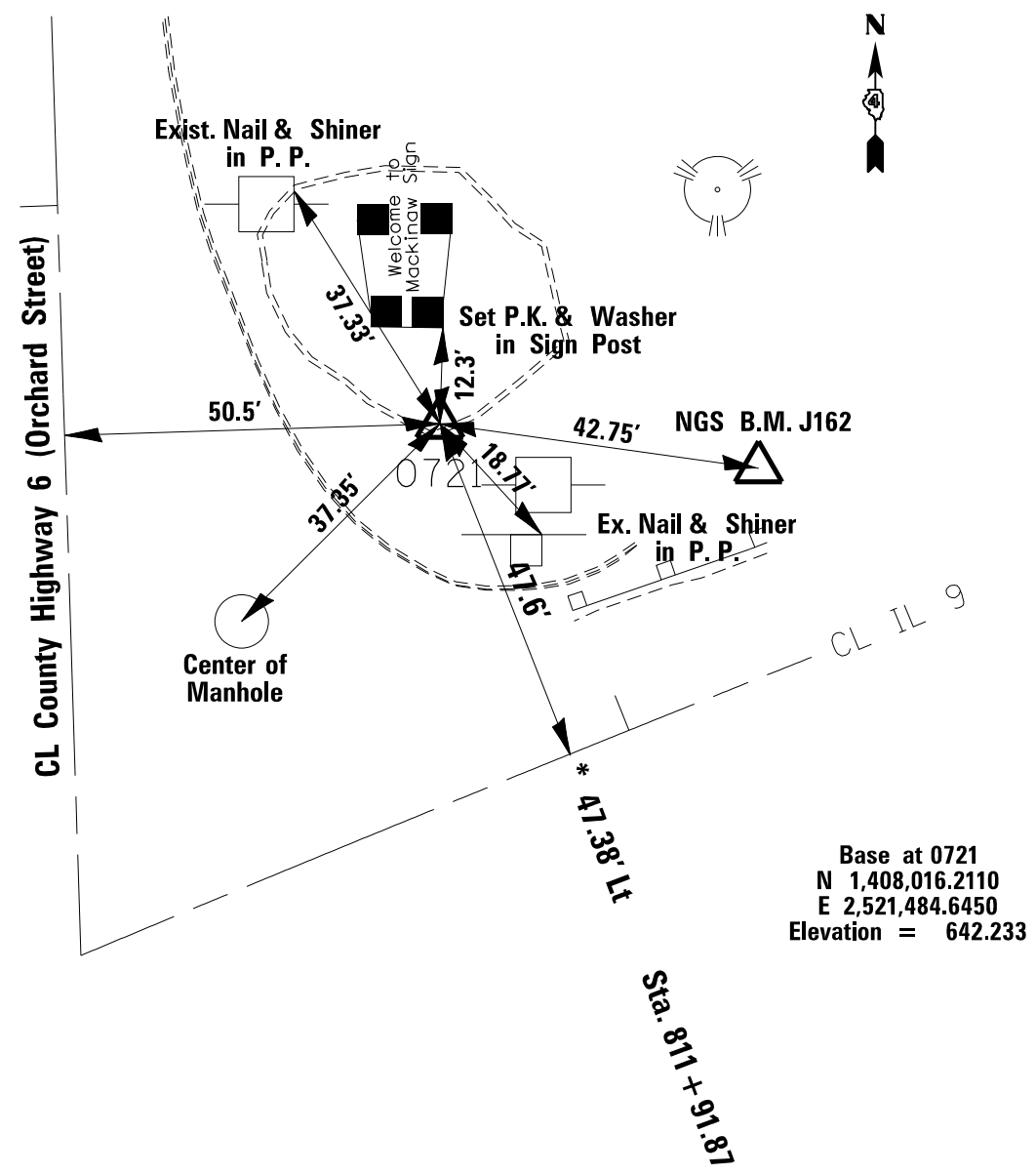
TRAFFIC CONTROL AND PROTECTION, STD 701201	
LOCATION	L SUM
Jobsite	1
TOTAL	1

GUARDRAIL TABLE				
LOCATION	STEEL PLATE	TRAFFIC BARRIER	TERMINAL	GUARDRAIL
	BEAM	TERMINAL	MARKER	MARKERS
	GUARD RAIL	TYPE 1 TANGENT	DIRECT	TYPE A
	REMOVAL	SPECIAL	APPLIED	
	FOOT	EACH	EACH	EACH
LT STA 812+00 to 813+60	160	1*	1	1
LT STA 818+63 to 819+13	50	1	1	1
RT STA 814+50 to 815+00	50	1	1	1
RT STA 817+70 to 818+20	50	1	1	1
TOTAL	310	4	4	4

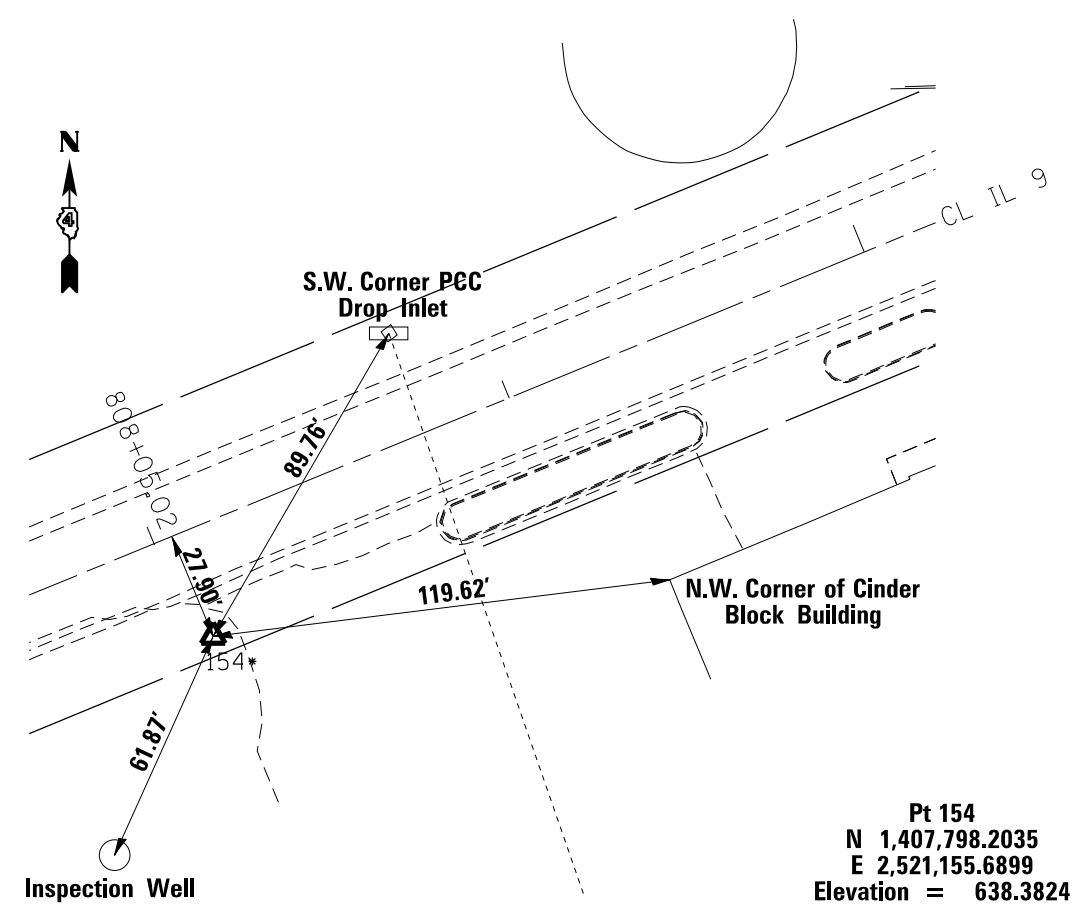
*Proposed TBT start at Lt. Sta. 813+10

SHORT TERM PAVEMENT MARKING					WORK ZONE
LOCATION	LENGTH	DASH	SHLDR	ALL	PAVEMENT MARKING
			DIAG	APPS	REMOVAL
			FOOT	FOOT	SQ FT
County Highway 6					
6+59 TO 09+81	322	64.4		128.8	SHORT TERM PAV'T MARKING
County Highway 6					
10+15 TO 11+50	135	27		54	
IL ROUTE 9					
809+25 TO 813+25	400	80	64	576	
TOTAL				758.8	253

Ties to D4 0721 Data Spike inside BMAC vault
NE Quad of IL Route 9 & Co Hwy 6 (Orchard Road)



Ties to 154 (10" Spike Flush)
* 28.79' Rt. Sta. 808 + 05.02



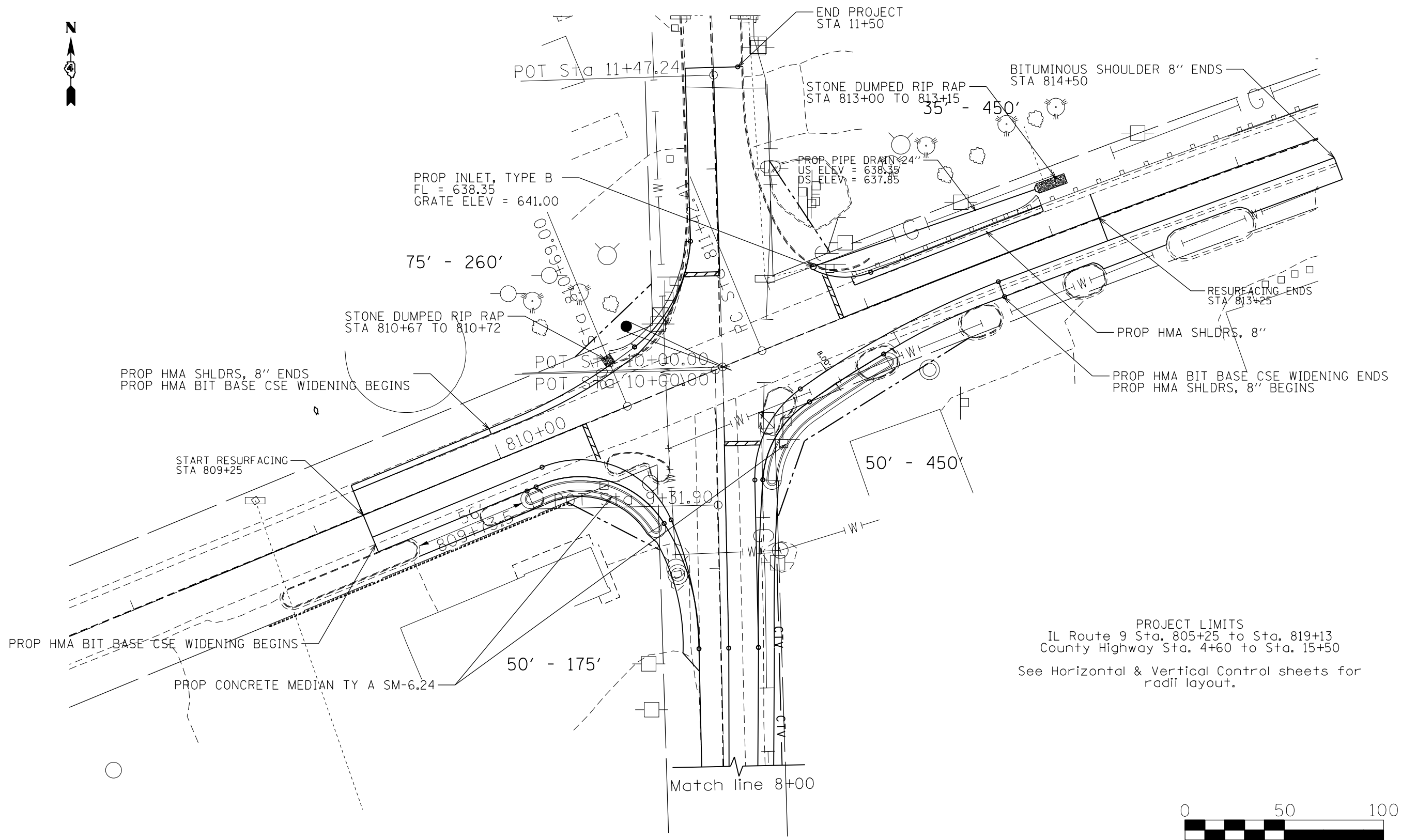
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

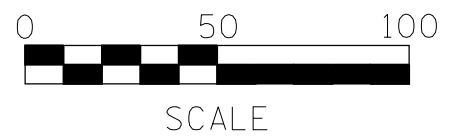
ALIGNMENT, TIES AND BENCHMARKS

SCALE: SHEET OF SHEETS STA. 809.25 TO STA. 812+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	15
CONTRACT NO. 68B05				
ILLINOIS FED. AID PROJECT				



PROJECT LIMITS
 IL Route 9 Sta. 805+25 to Sta. 819+13
 County Highway Sta. 4+60 to Sta. 15+50
 See Horizontal & Vertical Control sheets for radii layout.



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		DATE -	REVISED -				ILLINOIS FED. AID PROJECT					

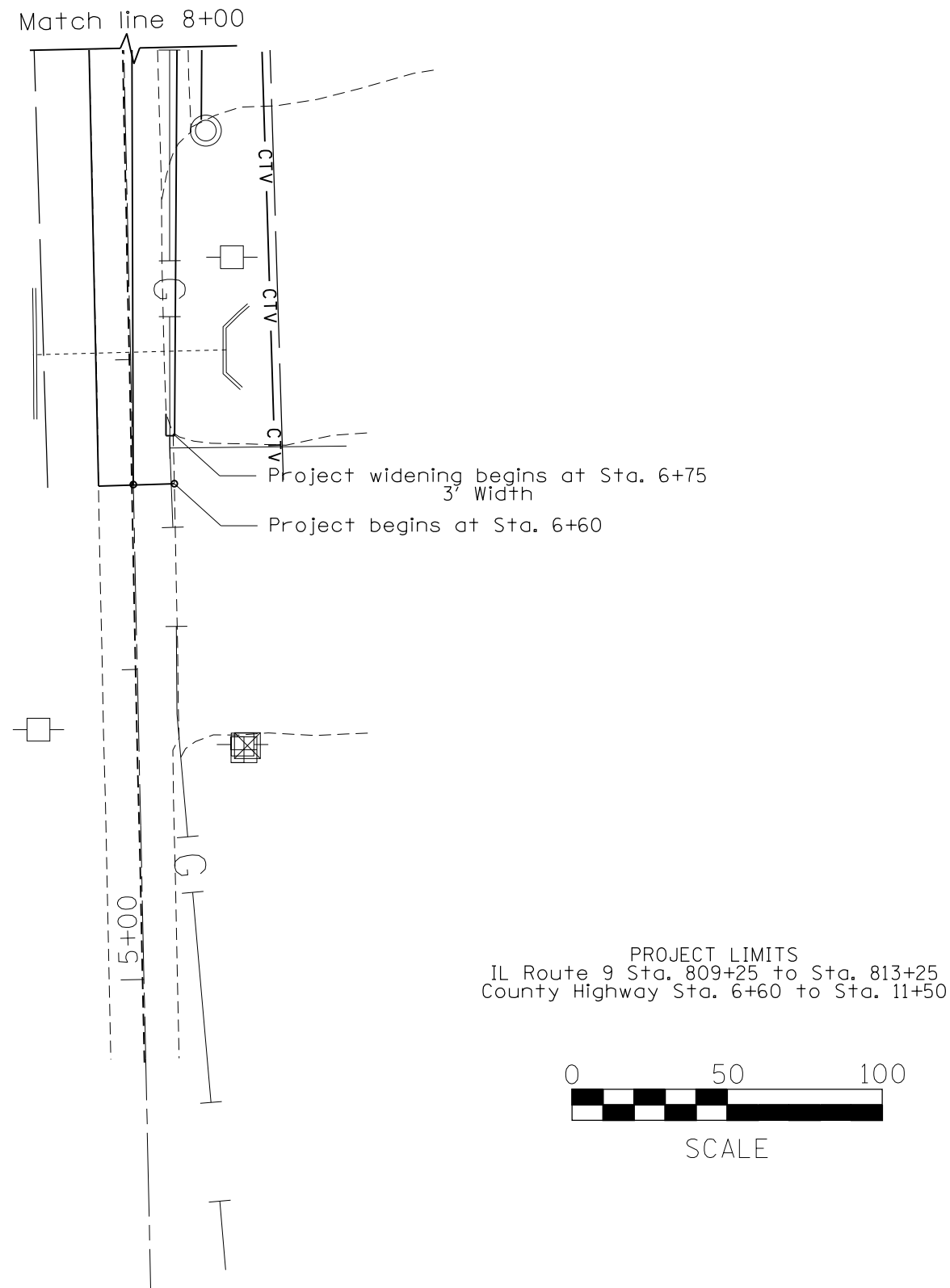


Note:
 Project tapers from
 3' at Sta. 6+75 to
 8' at Sta. 8+60

County Highway 6 centerline to be
 shifted east from Sta. 6+60 to 8+60 to match
 centerline on north County Highway 6.

Centerline adjustment

Station	CL offset (right) FEET	Elevation
006+60	0	Match
006+75	0.50	634.94
007+00	0.75	635.19
007+25	1.23	635.55
007+50	1.7	636.03
007+75	2.17	636.61
008+00	2.64	637.23
008+25	3.11	637.94
008+50	3.57	638.53
008+75	3.76	639.07
009+00	3.76	639.58
009+25	3.76	640.02



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: SHEET OF SHEETS STA. 809+25 TO STA. 812+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	17
CONTRACT NO. 68B05			ILLINOIS FED. AID PROJECT	

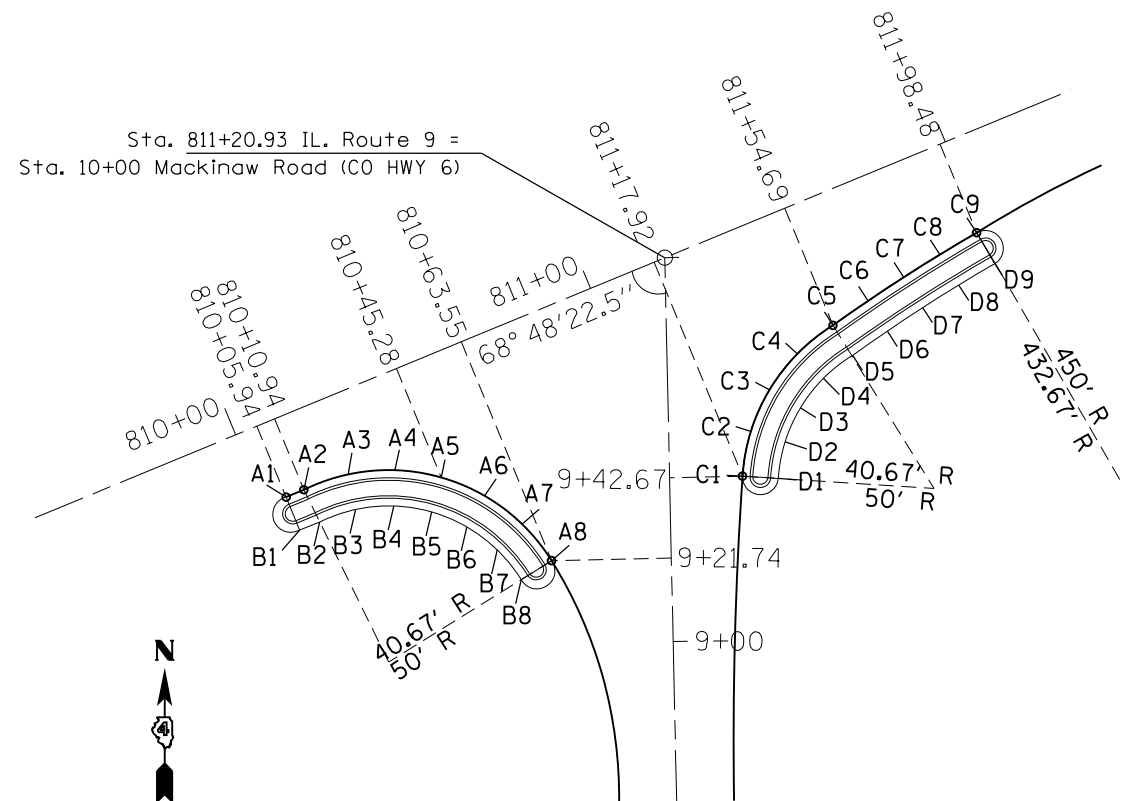
SOUTHWEST CORNER				
POINT #	STATION	OFFSET	CL ELEV	ELEVATION
A1	810+5.94	20'	640.87	640.55

SOUTHWEST CORNER 50' RADIUS				
POINT #	Distance*	STATION	OFFSET	ELEVATION
A2	0.00	810+10.94	20	640.57
A3	12.26	810+23.16	20.7	640.41
A4	24.53	810+34.83	24.34	640.24
A5	36.79	810+45.28	30.71	640.08
A6	49.05	810+53.86	39.42	639.92
A7	61.32	810+60.08	49.96	639.75
A8	73.58	810+63.55	61.69	639.59

SOUTHWEST CORNER				
POINT #	Distance	STATION	OFFSET	ELEVATION
B1	0.00	809+84.34	32.67'	640.19

SOUTHWEST CORNER 41.67' RADIUS				
POINT #	Distance*	STATION	OFFSET	ELEVATION
B2	0.00	810+11.55	29.31	640.57
B3	9.98	810+21.49	29.88	640.24
B4	19.96	810+31.00	32.85	640.09
B5	29.94	810+39.50	38.03	639.94
B6	39.92	810+46.48	45.13	639.79
B7	49.91	810+51.53	53.71	639.68
B8	59.89	810+54.35	63.26	639.59

* Distance measured along chord.



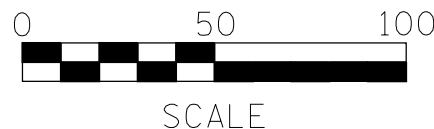
SOUTHEAST CORNER 38.83' RADIUS				
POINT #	Distance*	STATION	OFFSET	ELEVATION
D1	0.00	811+26.30	64.43	639.98
D2	9.73	811+31.59	56.29	640.145
D3	19.46	811+38.65	49.63	640.31
D4	29.19	811+47.09	44.84	640.475
D5	38.92	811+56.43	42.19	640.64

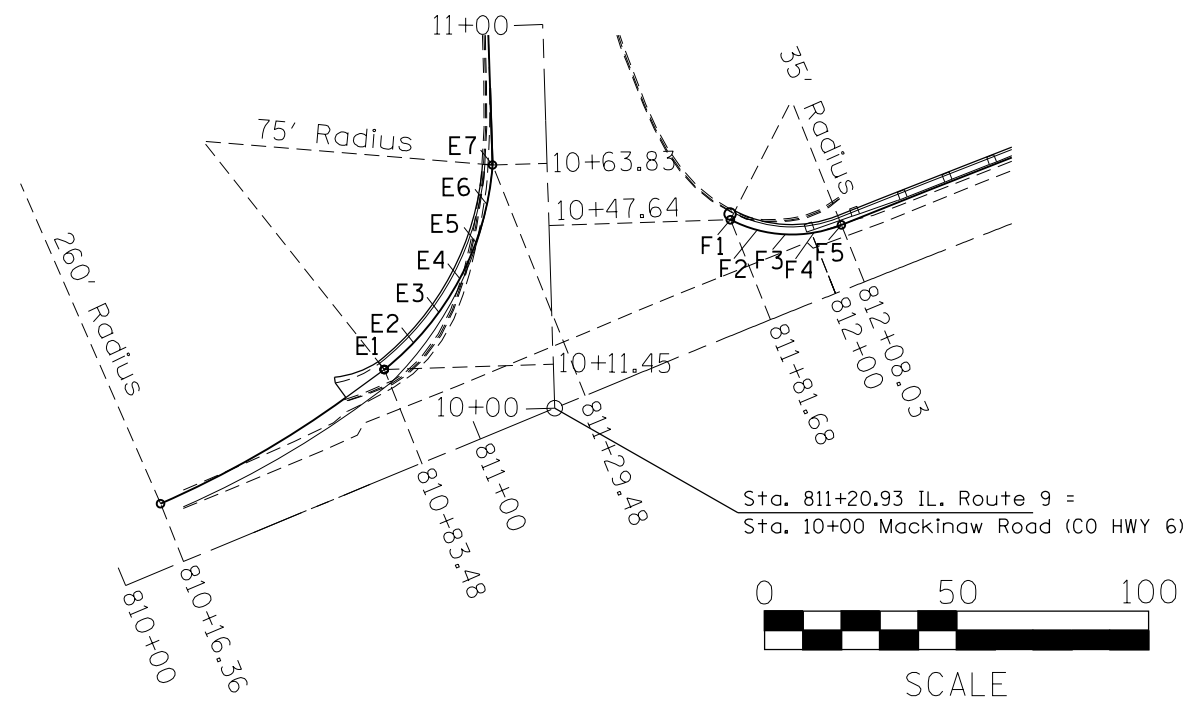
SOUTHEAST CORNER 430.83' RADIUS				
POINT #	Distance*	STATION	OFFSET	ELEVATION
D5	0.00	811+56.43	42.19	640.64
D6	11.05	811+67.22	39.78	640.77
D7	22.10	811+78.07	37.65	640.9
D8	33.16	811+88.96	35.80	641.03
D9	44.21	811+99.91	34.22	641.16

SOUTHEAST CORNER 50' RADIUS				
POINT #	Distance*	STATION	OFFSET	ELEVATION
C1	0	811+17.92	60.32	640.04
C2	11.89	811+24.37	50.36	640.2
C3	23.79	811+32.99	42.21	640.36
C4	35.68	811+43.29	36.31	640.52
C5	47.57	811+54.69	33.01	640.68

SOUTHEAST CORNER 450' RADIUS				
POINT #	Distance*	STATION	OFFSET	ELEVATION
C5	0	811+54.69	33.01	640.68
C6	11.135	811+65.56	30.60	640.8175
C7	22.27	811+76.49	28.46	640.955
C8	33.405	811+87.46	26.59	641.0925
C9	44.54	811+98.48	24.99	641.23

* Distance measured along chord.





NORTHWEST CORNER 75' RADIUS					
POINT #	Distance*	STATION	OFFSET	OFFSET	ELEVATION
			11 9	CH 6	
E1	0.00	10+11.45	44.06	26.56	640.6
E2	10.33	10+18.17	36.21	29.78	640.85
E3	20.67	10+25.90	29.37	34.60	641.09
E4	31.00	10+34.51	23.64	40.63	641.34
E5	41.33	10+43.81	19.16	47.76	641.58
E6	51.67	10+53.66	16	55.86	641.83
E7	62.00	10+63.83	14.22	64.74	642.07

* Distance along the chord.

NORTHEAST CORNER 35' RADIUS				
POINT #	Distance*	STATION	OFFSET	ELEVATION
F1	0.00	811+81.68	28.04	641.03
F2	7.46	811+87.14	22.96	641.2
F3	14.92	811+93.56	19.15	641.38
F4	22.38	812+00.63	16.8	641.55
F5	29.84	812+08.03	16	641.72
F6		813+00	16	642.35

* Distance along the chord.



COMB CURB & GUTTER REMOVAL
Rt. Sta. 10+47 to 10+53

PIPE CULVERT REMOVAL
Rt. Sta. 811+82 to 812+08

COMB. CURB & GUTTER REMOVAL
Lt. Sta. 10+03 to 10+55

SPBGR REMOVAL
Lt. Sta. 812+00 to 813+60
Rt. Sta. 814+50 to 815+00

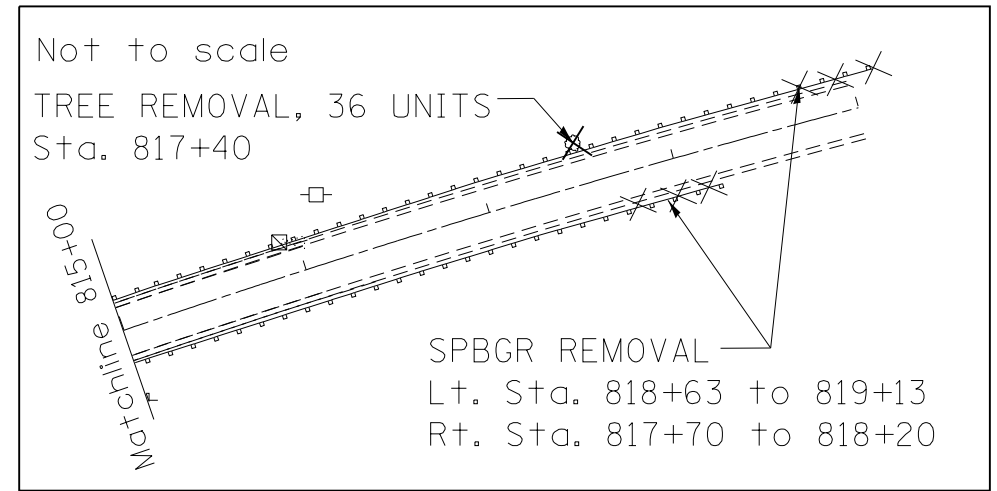
CONCRETE REMOVAL
2.2' x 2.2' x 1.2'

Fire Hydrant to be
removed and relocated
by City

CONCRETE REMOVAL
2.8' x 2.8' x 3'

Remove earth and bituminous materials
to prepare for 3' stub for
BASE COURSE WIDENING, 13".
Cost incidental to EARTH EXCAVATION.

Note:
MEDEIAN REMOVAL includes curb and gutter.



- PAVED SHOULDER REMOVAL
- MEDIAN REMOVAL
- PAVEMENT REMOVAL

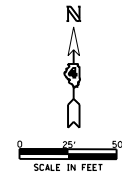
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

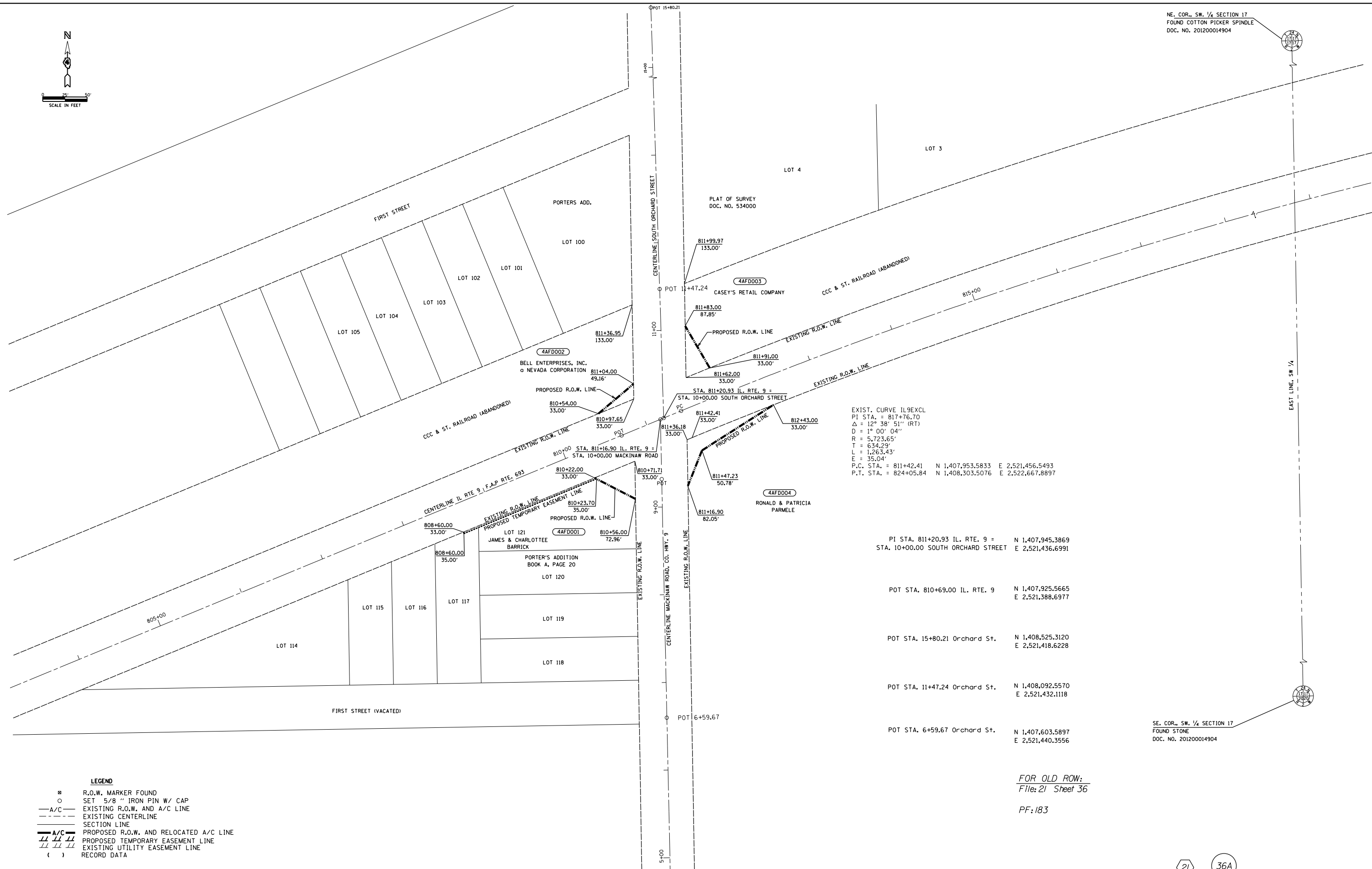
REMOVAL PLAN

SCALE: SHEET OF SHEETS STA. 809+25 TO STA. 812+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	20
CONTRACT NO. 68B05				
ILLINOIS FED. AID PROJECT				



NE. COR., SW. 1/4 SECTION 17
 FOUND COTTON PICKER SPINDLE
 DOC. NO. 201200014904



EXIST. CURVE IL9EXCL
 PI STA. = 817+76.70
 $\Delta = 12^\circ 38' 51''$ (RT)
 $D = 1^\circ 00' 04''$
 $R = 5,723.65'$
 $T = 634.29'$
 $L = 1,263.43'$
 $E = 35.04'$
 P.C. STA. = 811+42.41 N 1,407,953.5833 E 2,521,456.5493
 P.T. STA. = 824+05.84 N 1,408,303.5076 E 2,522,667.8897

PI STA. 811+20.93 IL. RTE. 9 = N 1,407,945.3869
 STA. 10+00.00 SOUTH ORCHARD STREET E 2,521,436.6991

POT STA. 810+69.00 IL. RTE. 9 N 1,407,925.5665
 E 2,521,388.6977

POT STA. 15+80.21 Orchard St. N 1,408,525.3120
 E 2,521,418.6228

POT STA. 11+47.24 Orchard St. N 1,408,092.5570
 E 2,521,432.1118

POT STA. 6+59.67 Orchard St. N 1,407,603.5897
 E 2,521,440.3556

FOR OLD ROW:
 File: 21 Sheet 36

PF: 183

SE. COR., SW. 1/4 SECTION 17
 FOUND STONE
 DOC. NO. 201200014904

- LEGEND**
- ⊙ R.O.W. MARKER FOUND
 - SET 5/8" IRON PIN W/ CAP
 - A/C— EXISTING R.O.W. AND A/C LINE
 - - - - EXISTING CENTERLINE
 - - - - SECTION LINE
 - A/C— PROPOSED R.O.W. AND RELOCATED A/C LINE
 - /// /// PROPOSED TEMPORARY EASEMENT LINE
 - /// /// EXISTING UTILITY EASEMENT LINE
 - () RECORD DATA

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS	
PROJECT	JOB NO. R994x005x2
SCALE: 1" = 50'	SHEET NO. 1 OF 1 SHEETS
	STA. 804+00.00 TO STA. 819+00.00

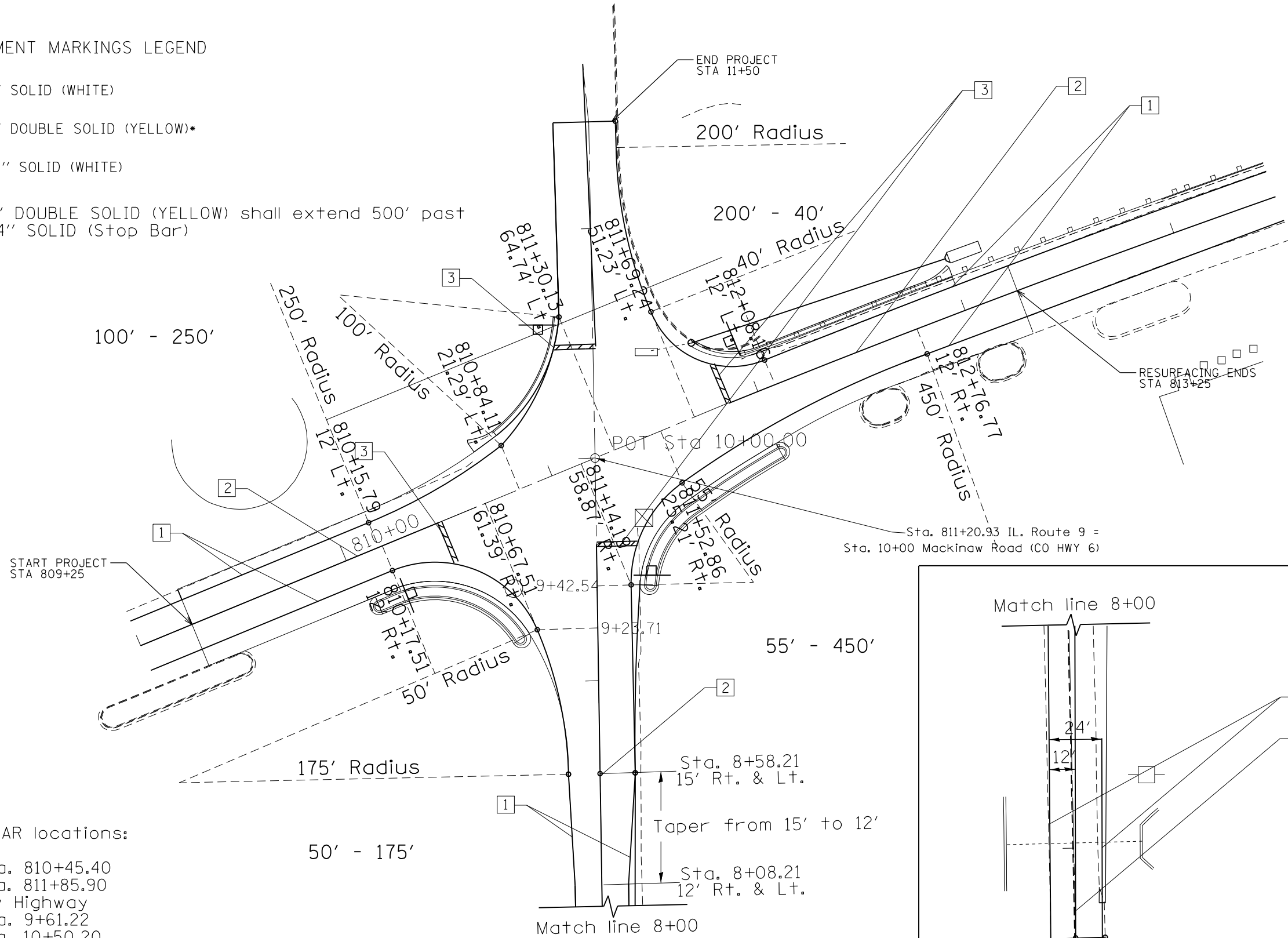
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CONTRACT NO. 68805			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



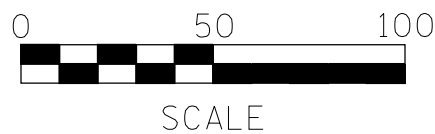
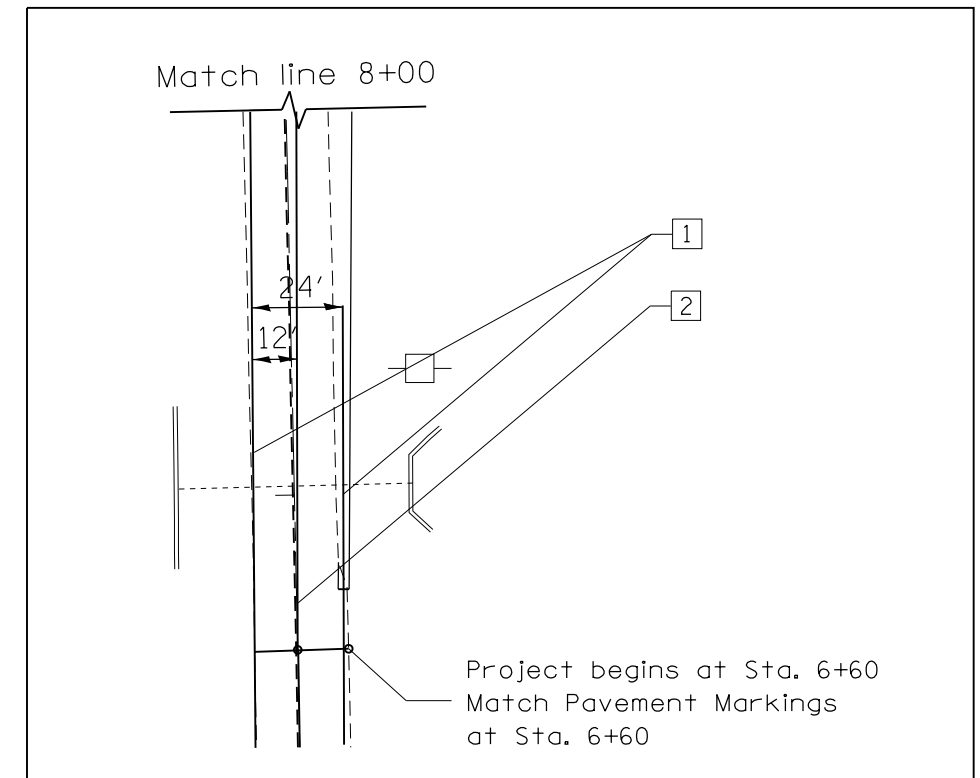
PAVEMENT MARKINGS LEGEND

- 1 4" SOLID (WHITE)
- 2 4" DOUBLE SOLID (YELLOW)*
- 3 24" SOLID (WHITE)

* 4" DOUBLE SOLID (YELLOW) shall extend 500' past 24" SOLID (Stop Bar)



STOP BAR locations:
 IL 9
 Rt. Sta. 810+45.40
 Lt. Sta. 811+85.90
 County Highway
 Rt. Sta. 9+61.22
 Lt. Sta. 10+50.20



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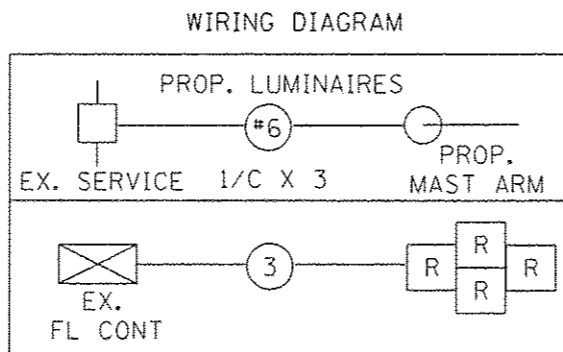
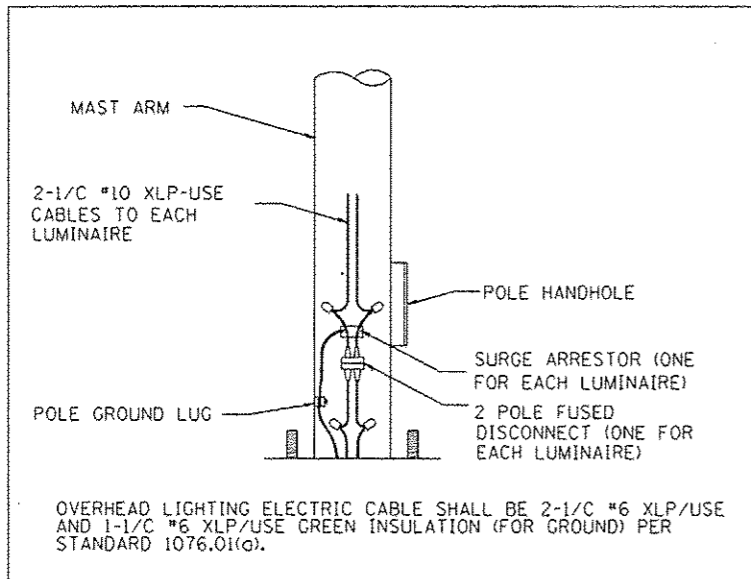
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAINT PAVEMENT MARKINGS

SCALE: SHEET OF SHEETS STA. 809+25 TO STA. 812+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	22
CONTRACT NO. 68B05				
ILLINOIS FED. AID PROJECT				

LUMINAIRE WIRING DETAIL (WIRED AT 240V)



OVERHEAD LIGHTING ELECTRIC CABLE SHALL BE 2-1/2 #6 XLP/USE AND 1-1/2 #6 XLP/USE GREEN INSULATION (FOR GROUND) PER STANDARD 1076.01(G).

SCHEDULE OF QUANTITIES - IL 9 & ORCHARD ST. FLASHING BEACON

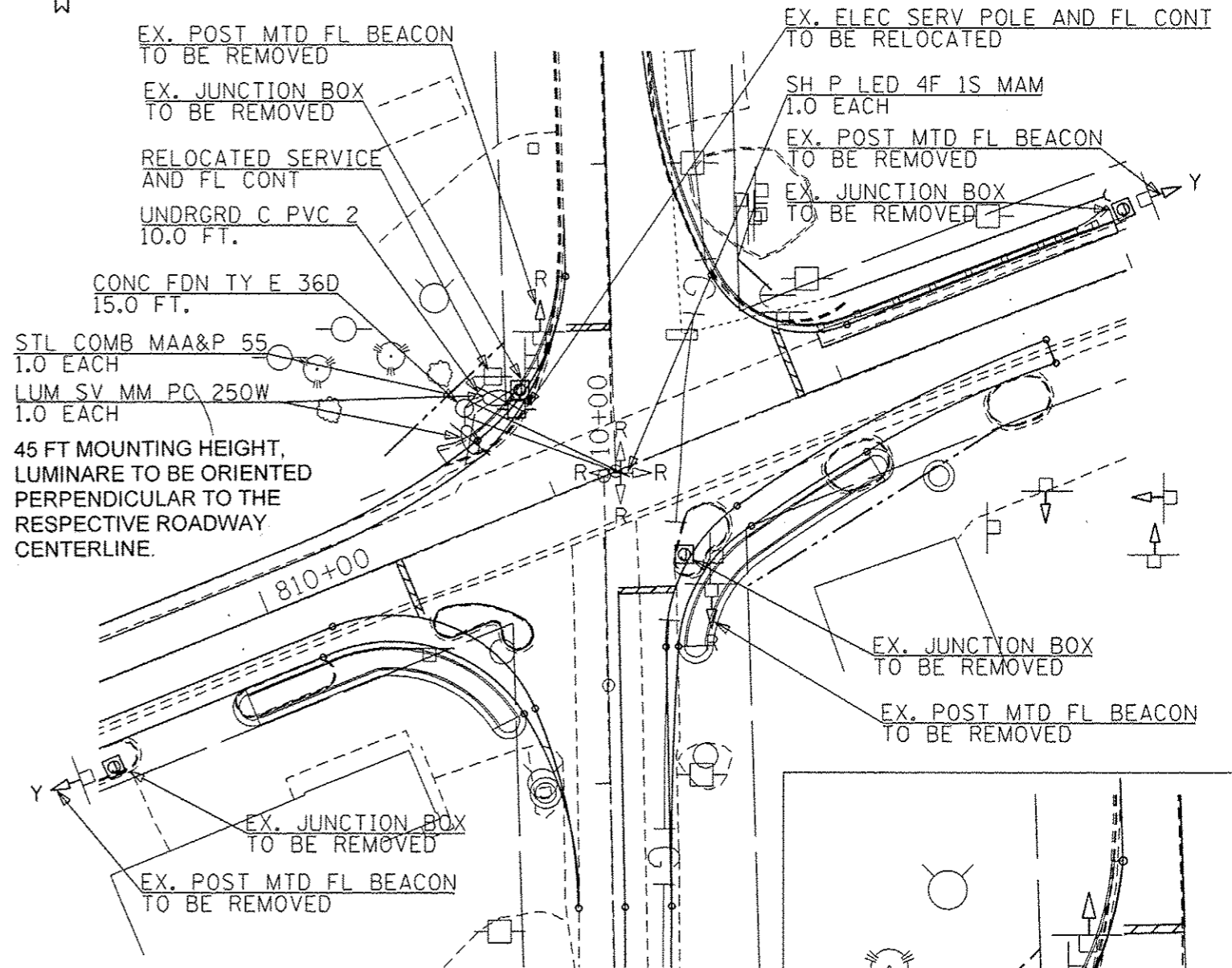
ITEM DESCRIPTION	UNIT	TOTAL QTY.
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	10
ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 1/C NO. 6	FOOT	54
LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	91
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT. EACH	EACH	1
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	15
SIGNAL HEAD, POLYCARBONATE, LED, 4-FACE, 1-SECTION, MAST ARM MOUNTED	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RELOCATE ELECTRIC SERVICE	EACH	1

CONSTRUCTION NOTES

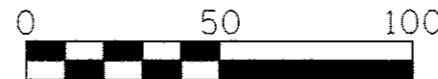
- ANY MAINTENANCE OF EXISTING TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
- ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
- ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
- THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 17 FT. MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
- ALL TRAFFIC SIGNAL HEAD BRACKETS ARE TO BE ALUMINUM WITH A NATURAL FINISH.
- THE EXISTING FLASHING BEACONS SHALL REMAIN IN OPERATION DURING THE CONSTRUCTION OF THE PROPOSED FLASHING BEACON AND ELECTRIC SERVICE RELOCATION.
- THE CONTRACTOR SHALL PROVIDE ELECTRICAL CABLE SLACK IN ACCORDANCE WITH ARTICLE 873.03.
- ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
- ALL SURPLUS MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.



THE PROPOSED COMBINATION MAST ARM ASSEMBLY SHALL BE EQUIPPED WITH A TWIN TENON TOP FOR LUMINAIRE MOUNTING. THE COST OF THE TWIN TENON MOUNT SHALL BE INCLUDED IN THE PRICE OF THE MAST ARM.



THE PROPOSED BEACON SHALL BE LOCATED OVER THE INTERSECTION CENTER LINES OF IL 9 & ORCHARD ST.



SCALE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

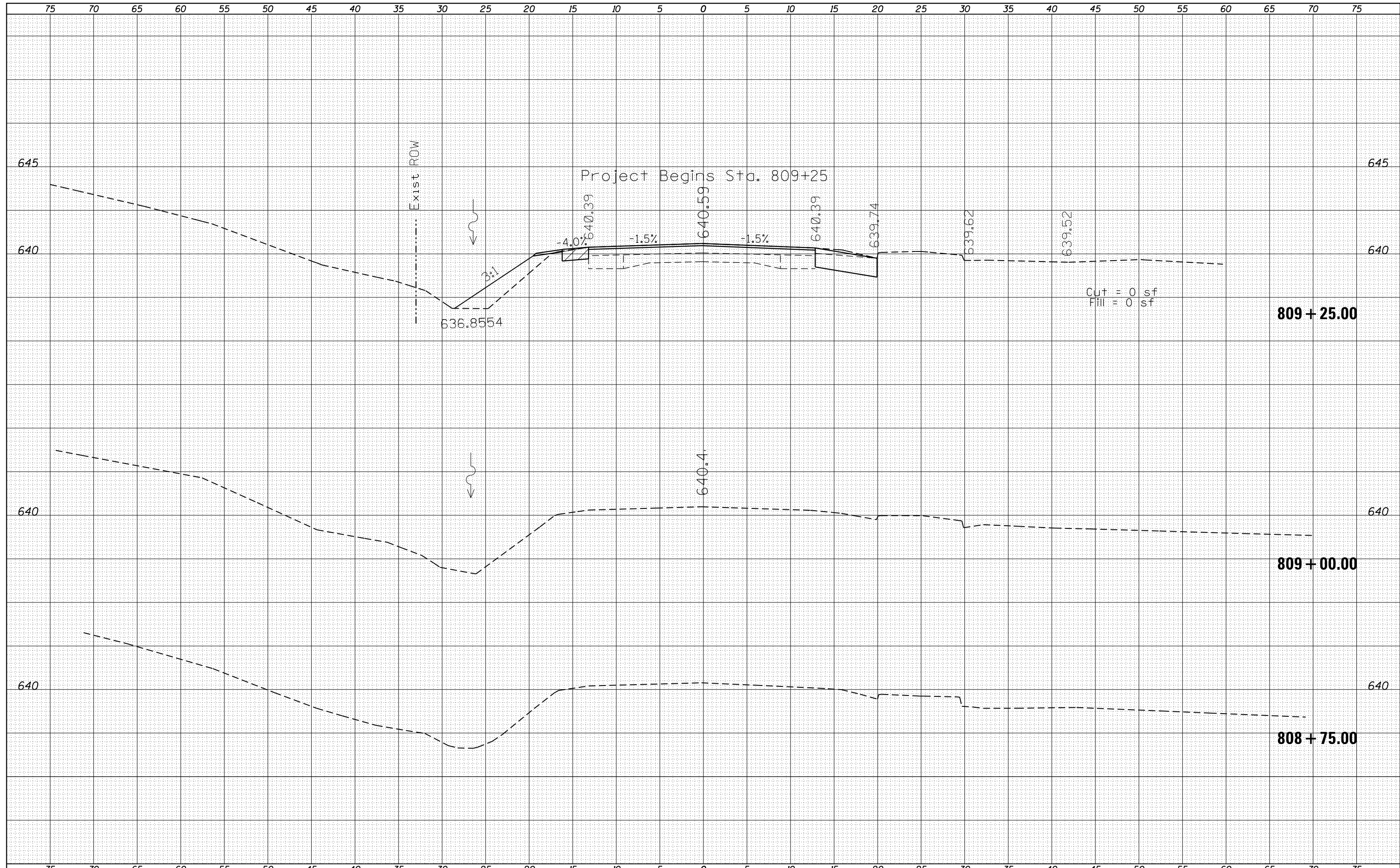
PROPOSED FLASHING BEACON INSTALLATION
IL 9 & ORCHARD STREET

SCALE: SHEET 1 OF 1 SHEETS

F.A.P. RTE. 693	SECTION 120N	COUNTY TAZEWELL	TOTAL SHEETS 51	SHEET NO. 23
				CONTRACT NO. 68805
ILLINOIS FED. AID PROJECT				

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BY	
SURVEYED	
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TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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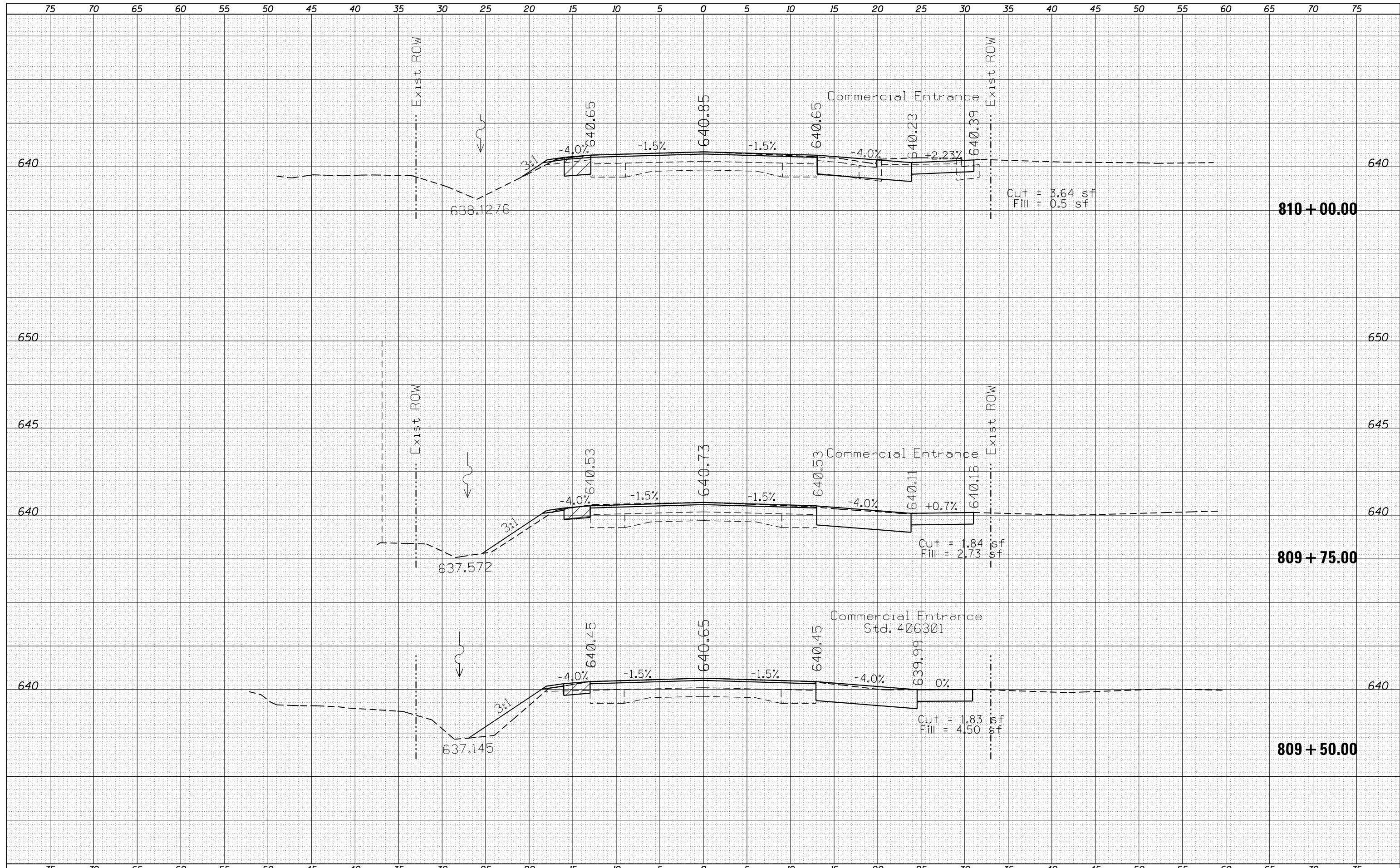
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NO.	



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Default	PLOT DATE = 10/17/2013	CHECKED -	REVISED -								CONTRACT NO. 12345			ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -													

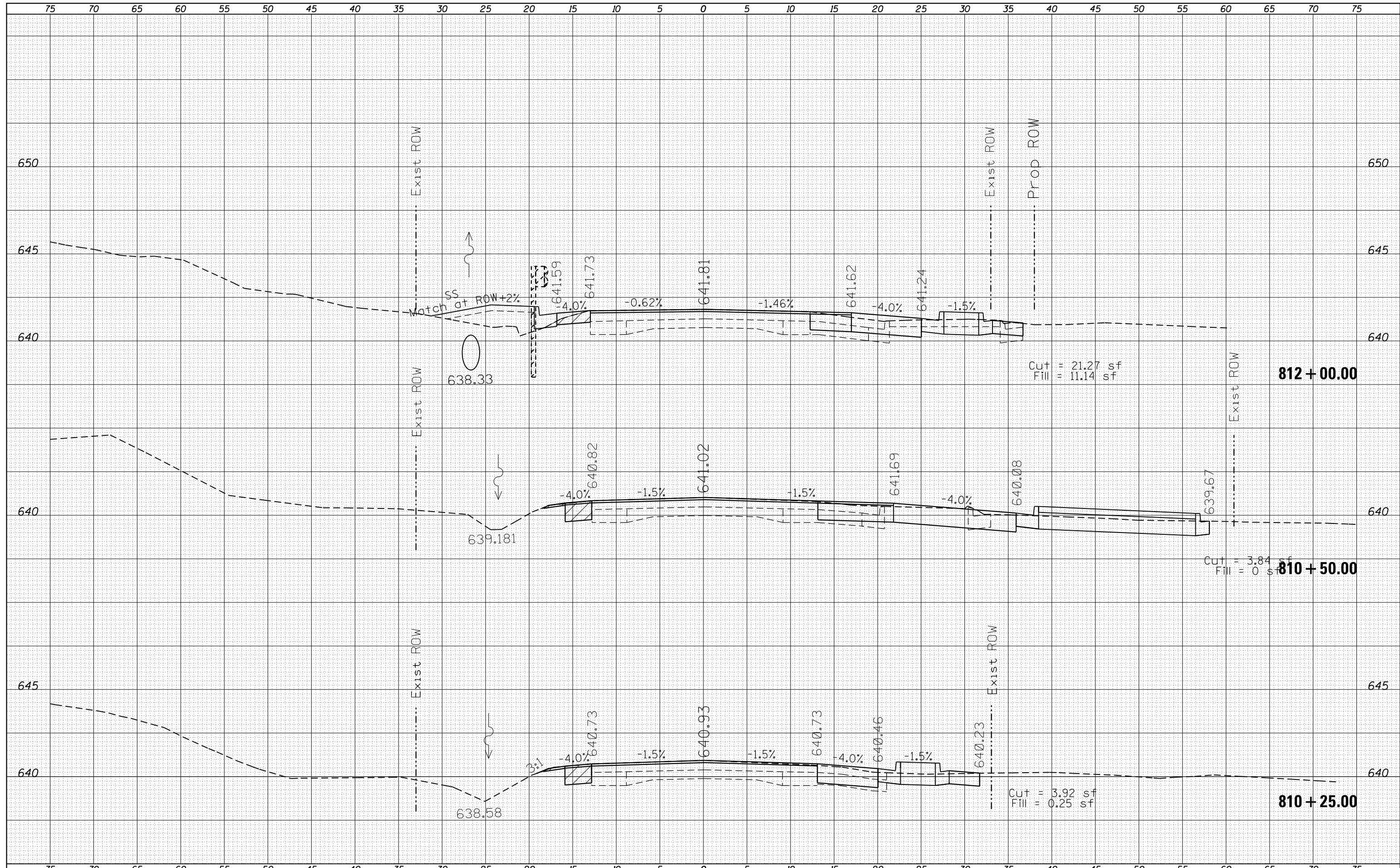
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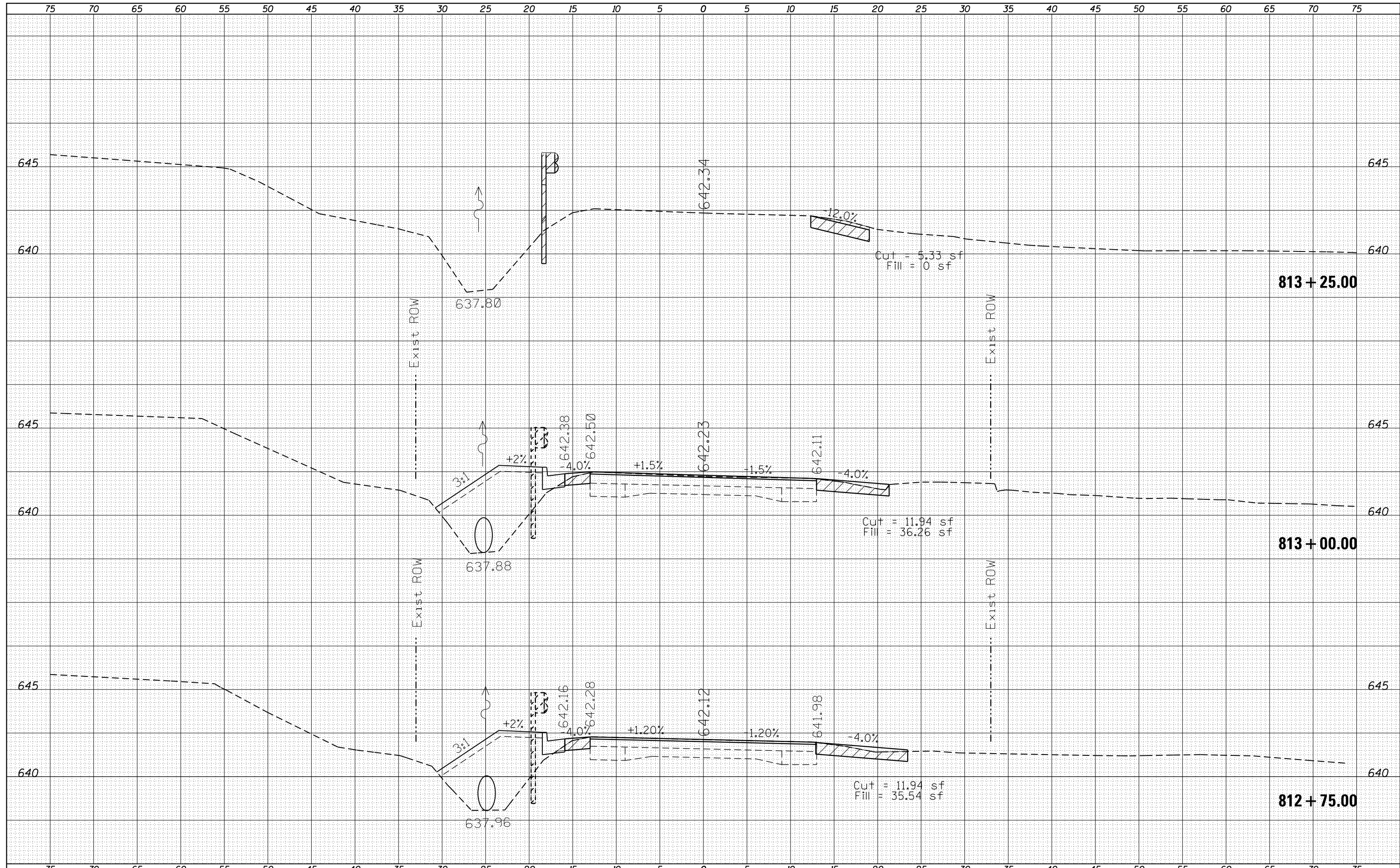
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 810+25.00 TO STA. 812+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693		TAZEWELL	51	26
CONTRACT NO. 12345			ILLINOIS FED. AID PROJECT	

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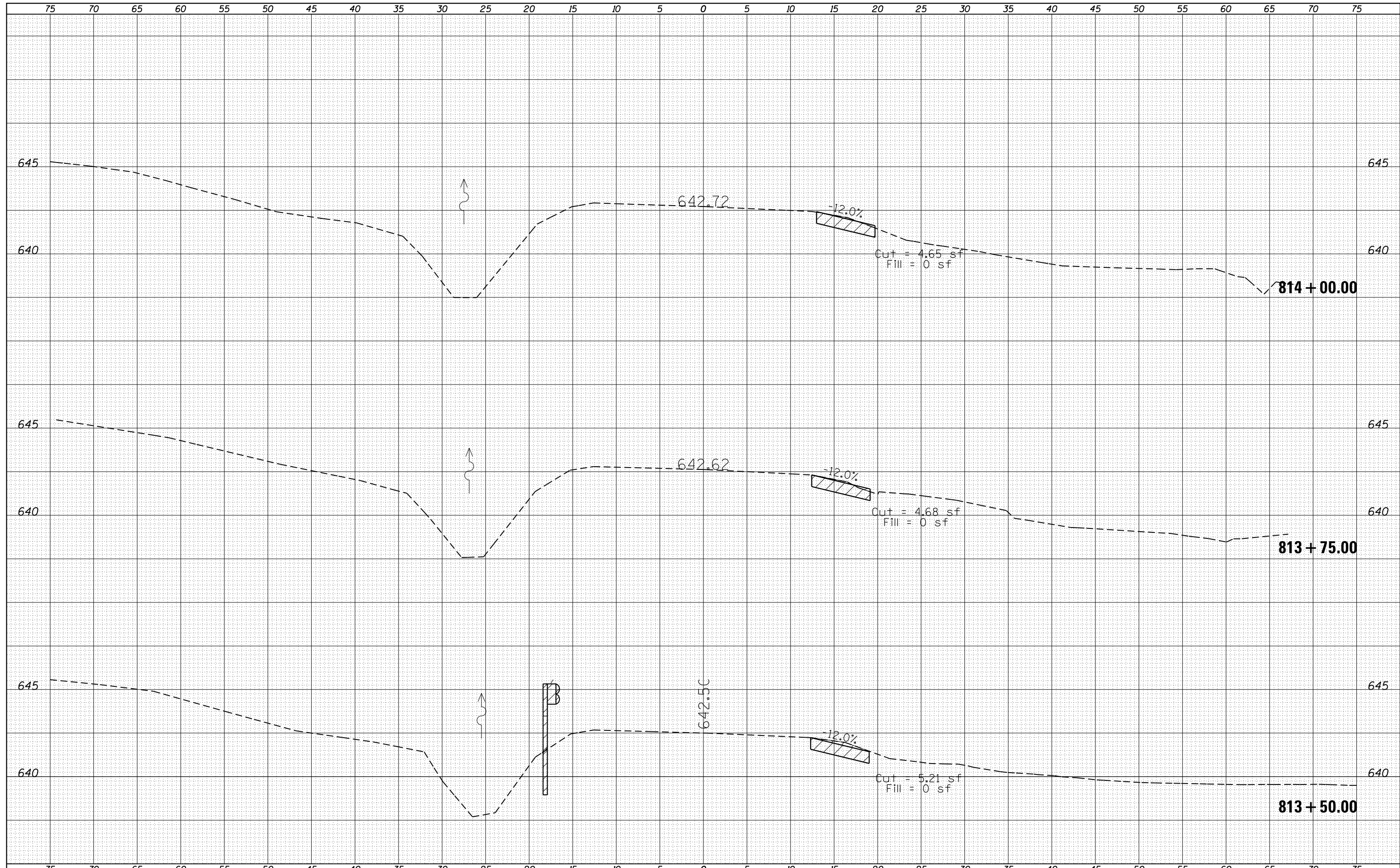
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TEMPLATE	
NOTE BOOK	
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FILE NAME =	USER NAME = keathbr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE:	SHEET	OF	SHEETS	STA. 812+75.00	TO STA. 813+25.00	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\temp\68b05\04.68b05-sh1-cover.dgn	PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -								693	.	TAZEWELL	51	28
Default	PLOT DATE = 10/17/2013	CHECKED -	REVISED -								CONTRACT NO. 12345				
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
NOTE BOOK	
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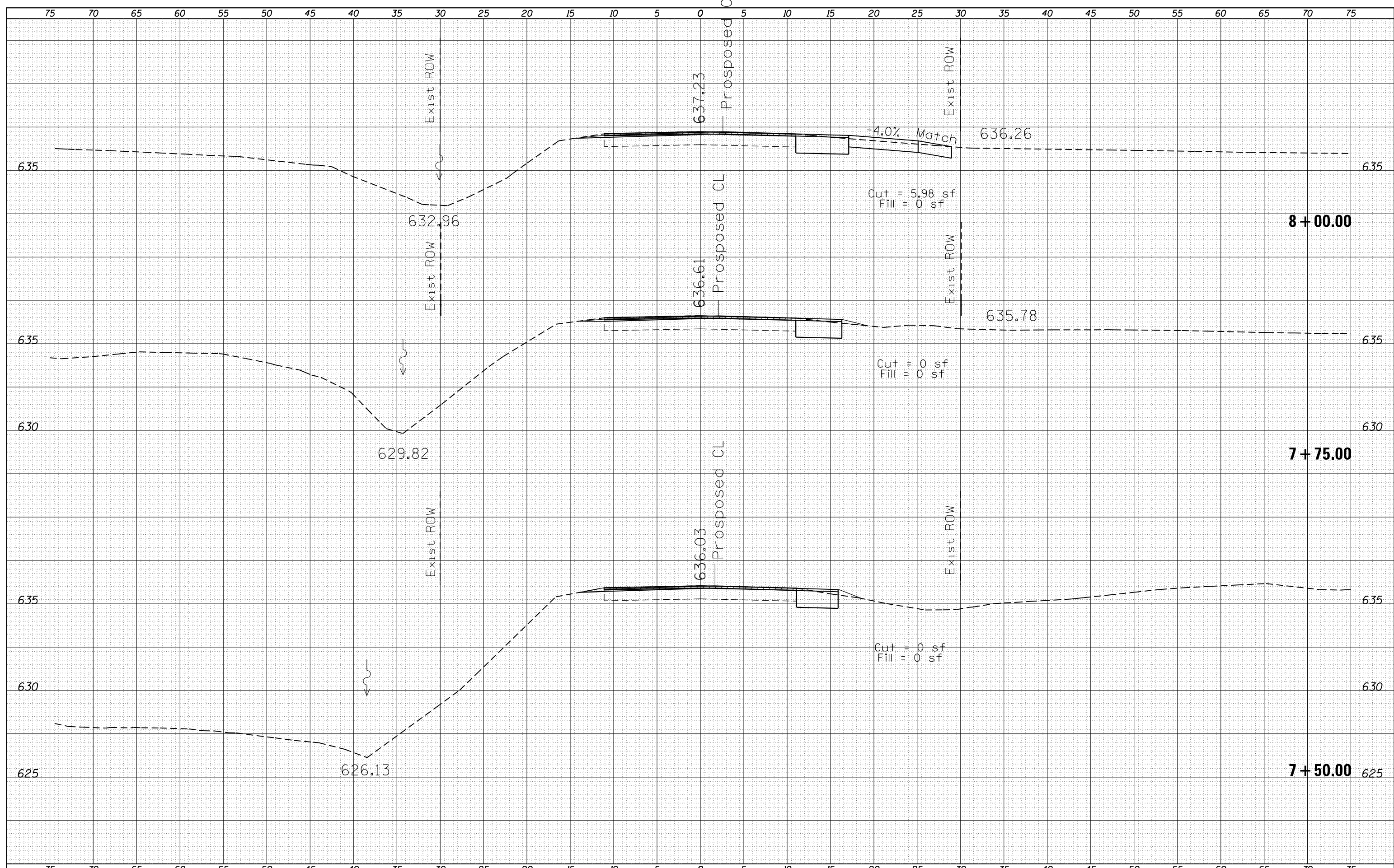
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 813+50.00 TO STA. 814+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	•	TAZEWELL	51	29
CONTRACT NO. 12345			ILLINOIS FED. AID PROJECT	

DATE	
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ORIGINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
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NOTE BOOK	
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8 + 00.00

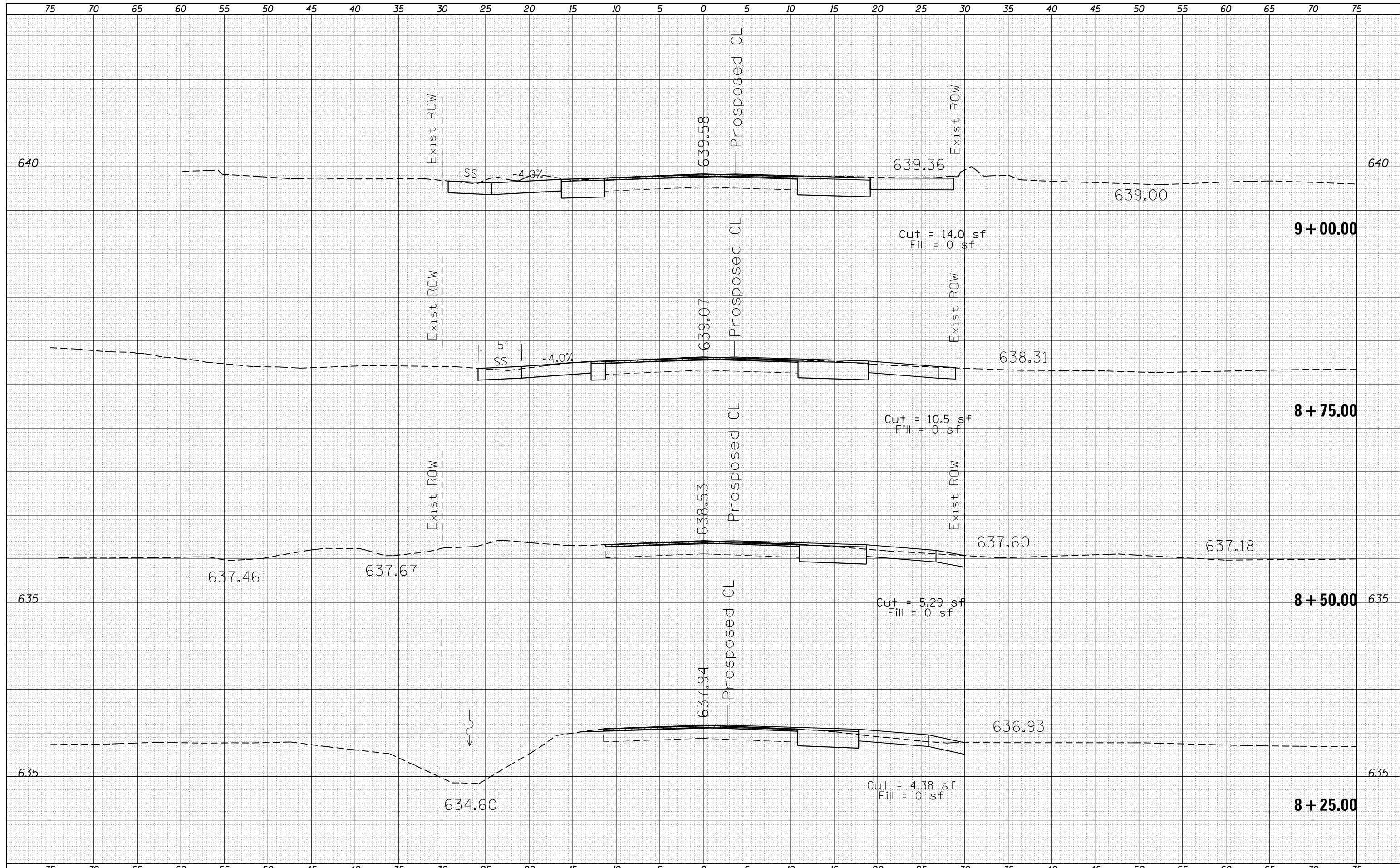
7 + 75.00

7 + 50.00

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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 12345				
	PLOT DATE = 10/17/2013	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

DATE	
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ORIGINAL SURVEY	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
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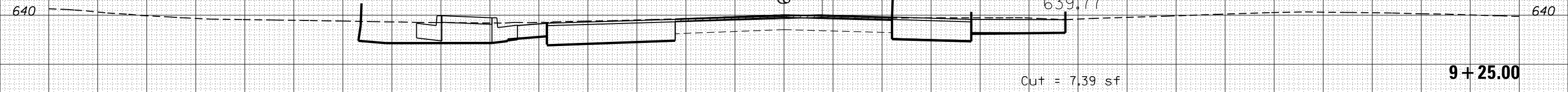


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es:\temp\68b05\04.68b05-sh1-cover.dgn		DRAWN -	REVISED -			693	.	TAZEWELL	51	33	
Default		CHECKED -	REVISED -			CONTRACT NO. 12345					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME = c:\temp\68b05\04.68b05-sh1-cover.dgn

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 PLOT DATE = 10/17/2013

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

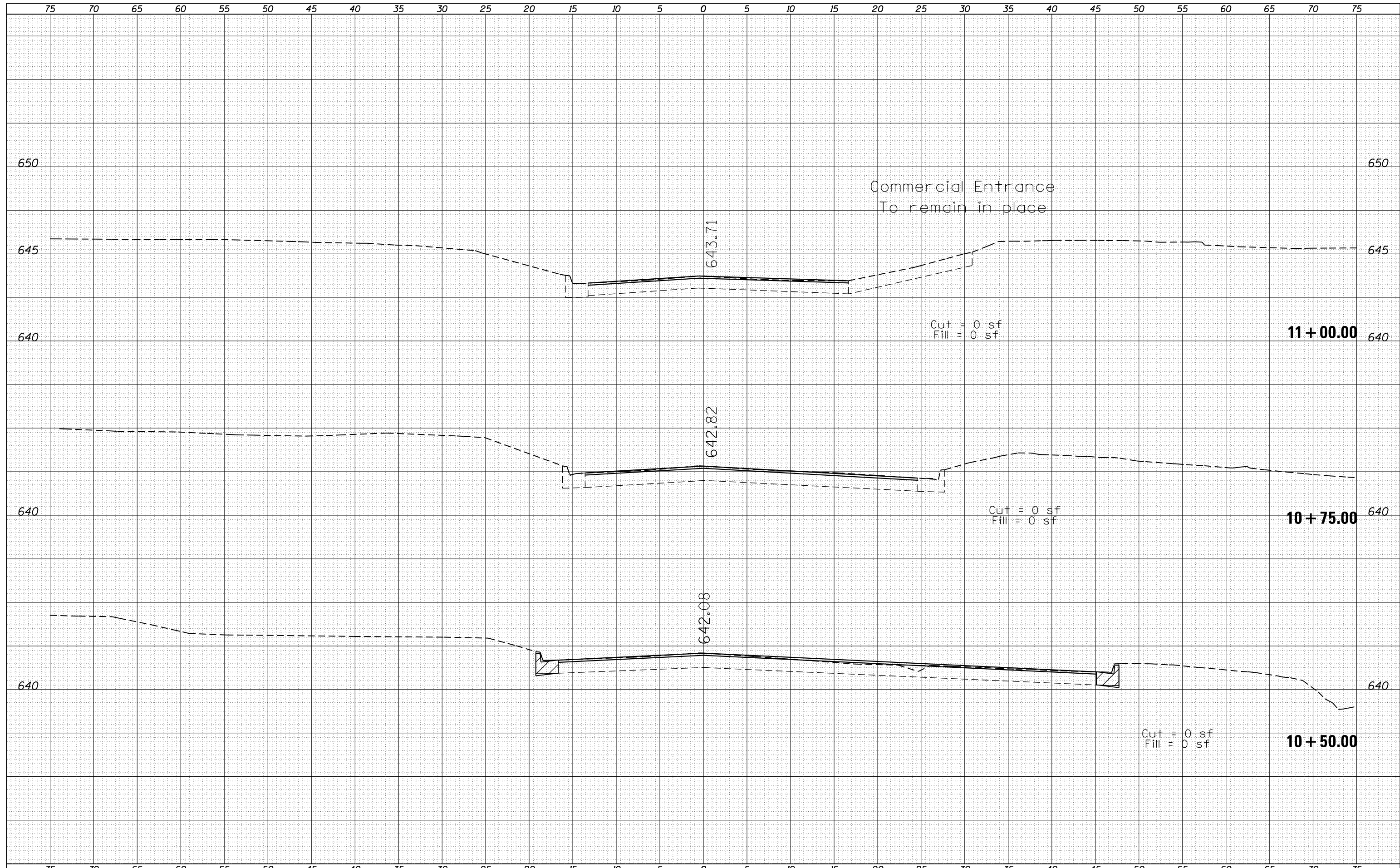
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 9+25.00 TO STA. 9+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	.	TAZEWELL	51	34
CONTRACT NO. 12345			ILLINOIS FED. AID PROJECT	

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

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



FILE NAME = c:\temp\68b05\04_68b05-sh1-cover.dgn

USER NAME = keathbr	DESIGNED -	REVISIED -
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PLOT DATE = 10/17/2013	DATE -	REVISIED -

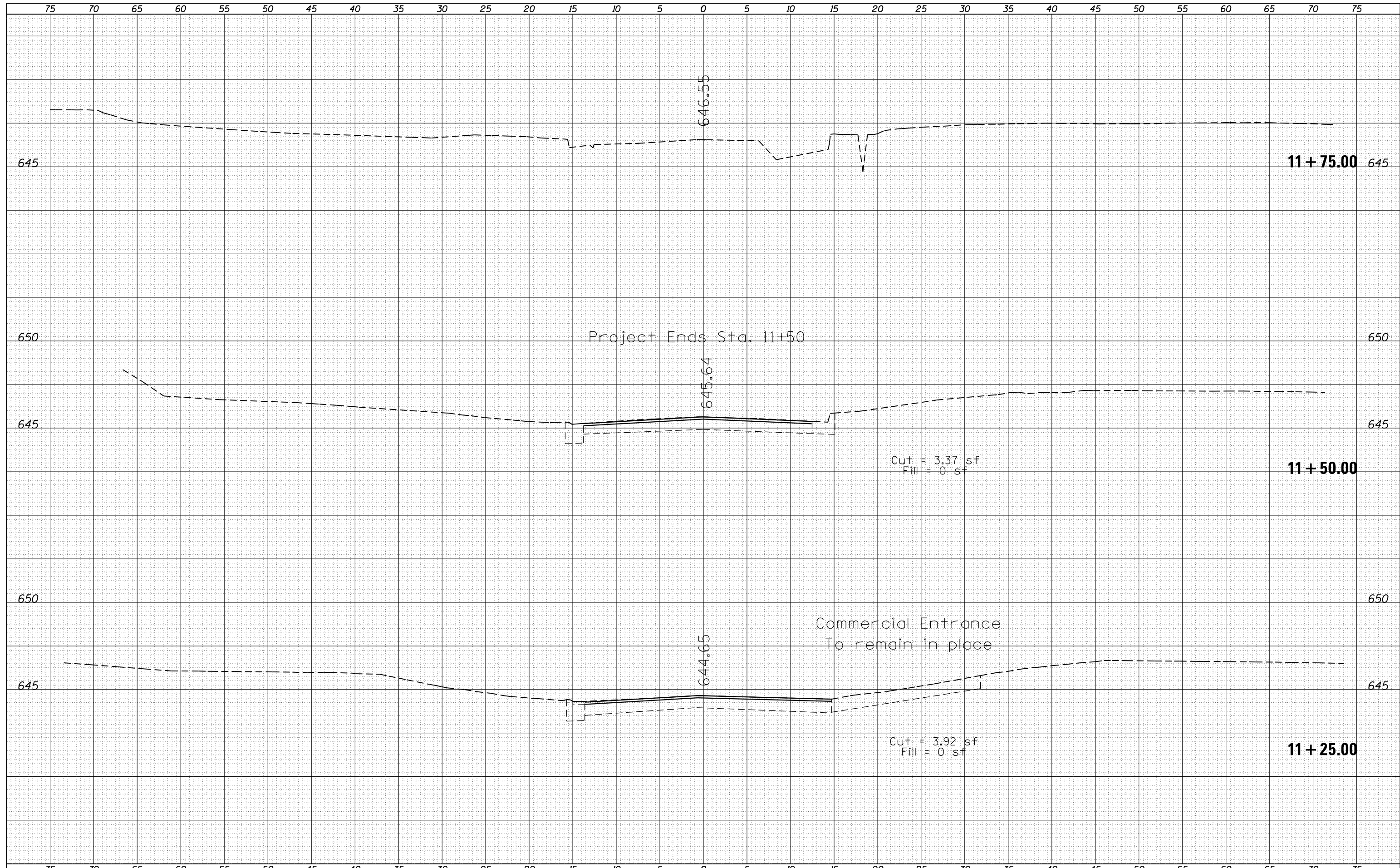
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 10+50.00 TO STA. 11+00.00

F.A.P. RTE. 693	SECTION •	COUNTY TAZEWELL	TOTAL SHEETS 51	SHEET NO. 35
CONTRACT NO. 12345			ILLINOIS FED. AID PROJECT	

DATE	
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ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
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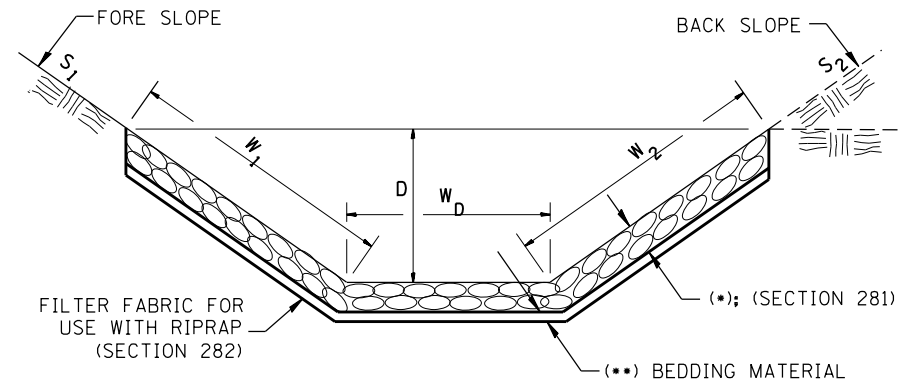
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PLOT SCALE = 10.0000' / in.	CHECKED -	REVISIED -
PLOT DATE = 10/17/2013	DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA. 11+25.00	TO STA. 11+75.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	.	TAZEWELL	51	36
CONTRACT NO. 12345			ILLINOIS FED. AID PROJECT	

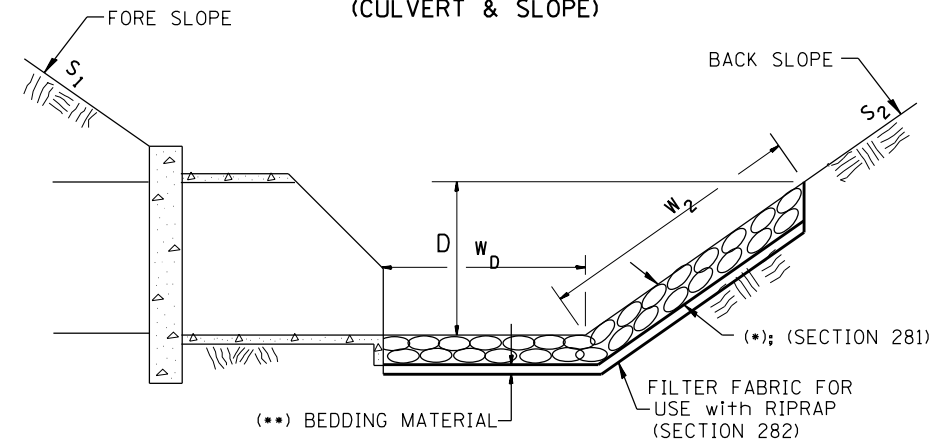
**CASE 1
(DITCH)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	sq yds (m ²)	sq yds (m ²)
Lt. Sta. 810+67 to 810+72	5	5	2.8 SY	2.8
Lt. Sta. 813+00 to 813+15	5	15	8.3 SY	8.3
TOTAL				11.1

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

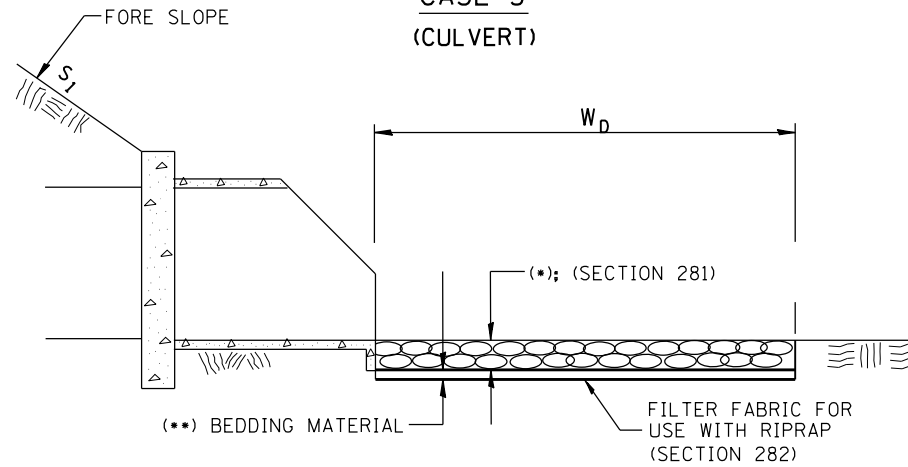
**CASE 2
(CULVERT & SLOPE)**



(*)				
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.

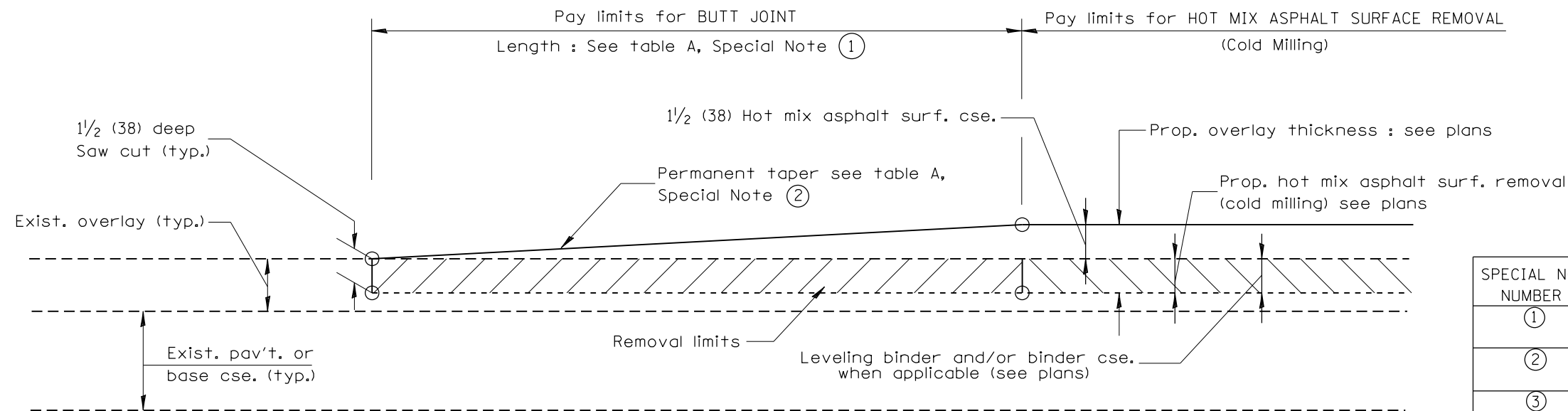
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIPRAP DITCH FOR EROSION PROTECTION

NOT TO SCALE

CADD STD. 281001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	37
CONTRACT NO. 68B05				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



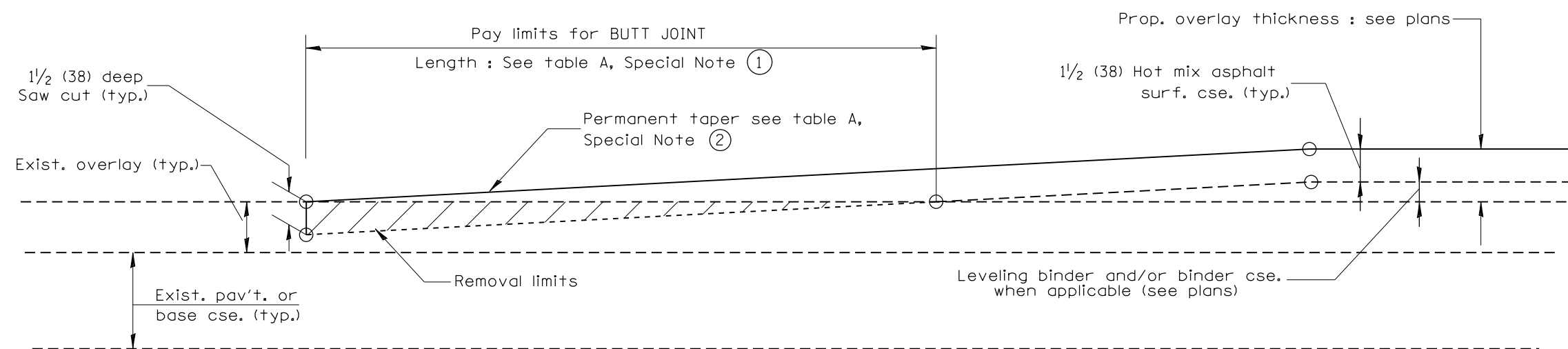
CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

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)

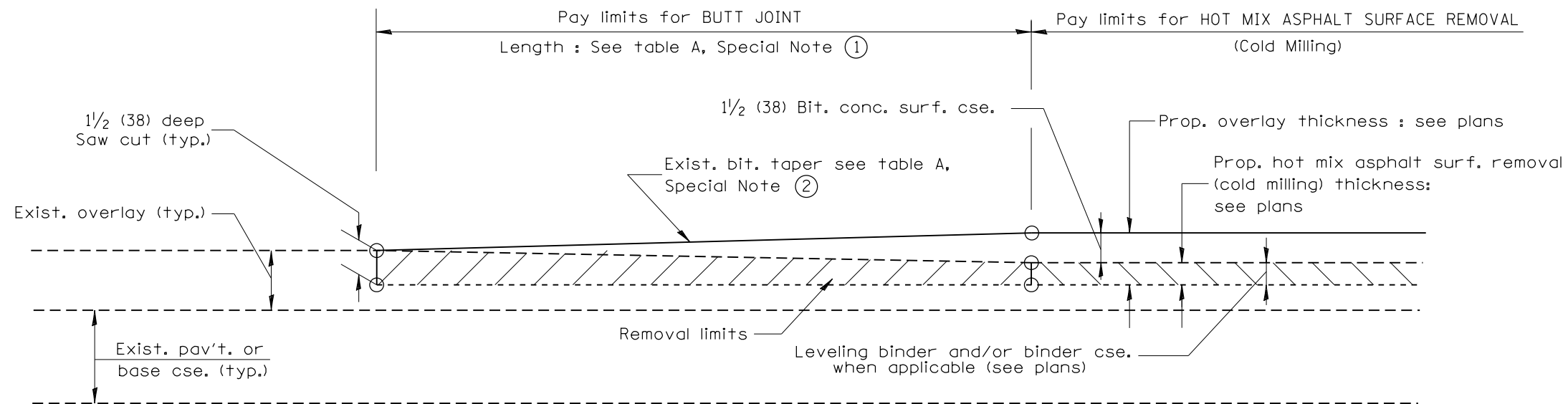
GENERAL NOTES

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.

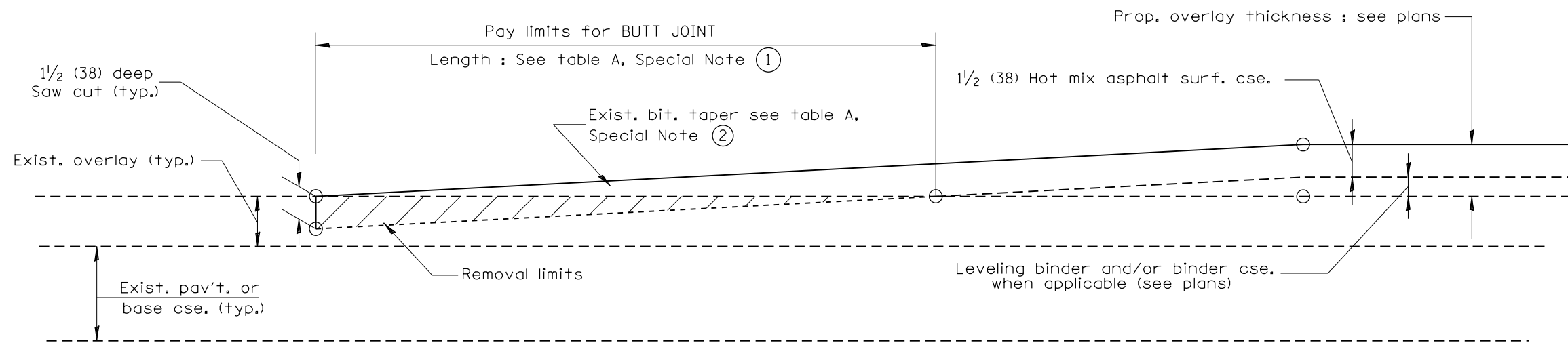


CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

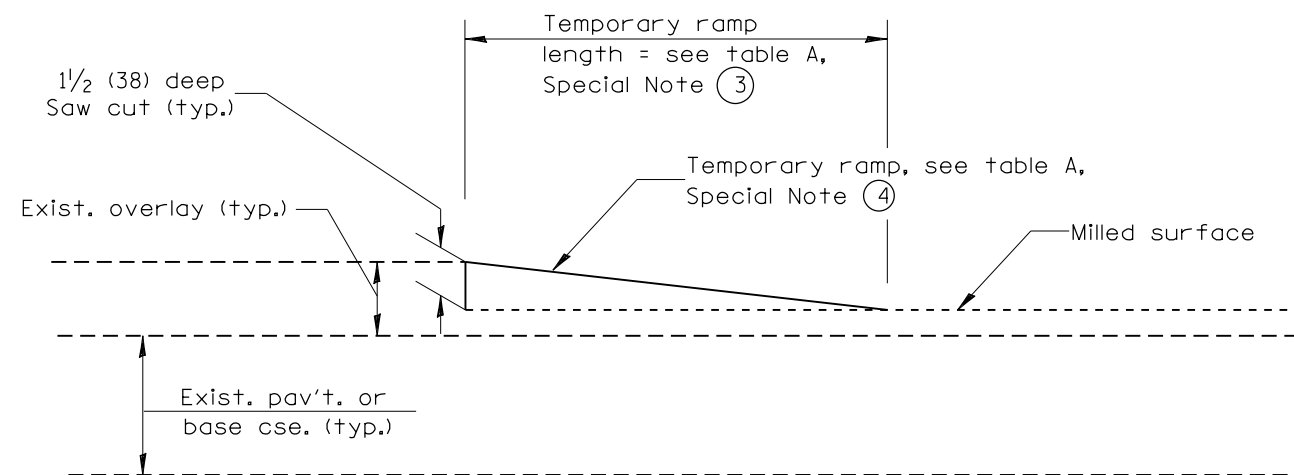
All dimensions are in inches (millimeters) unless otherwise noted.



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.

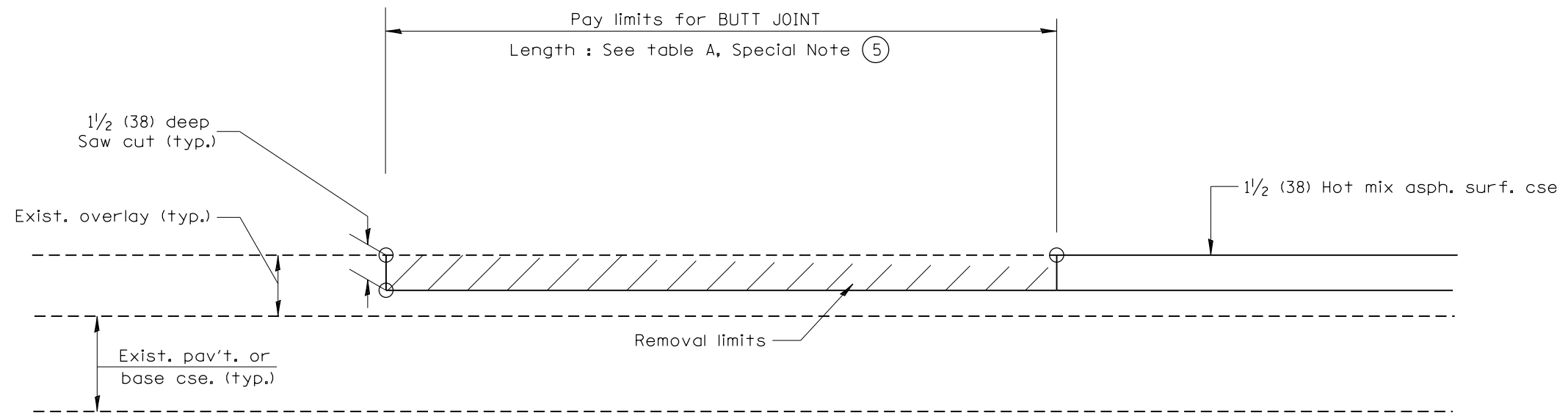
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

NOT TO SCALE

SHT. 2 OF 3
 CADD STD. 406101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	39
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B05	



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.

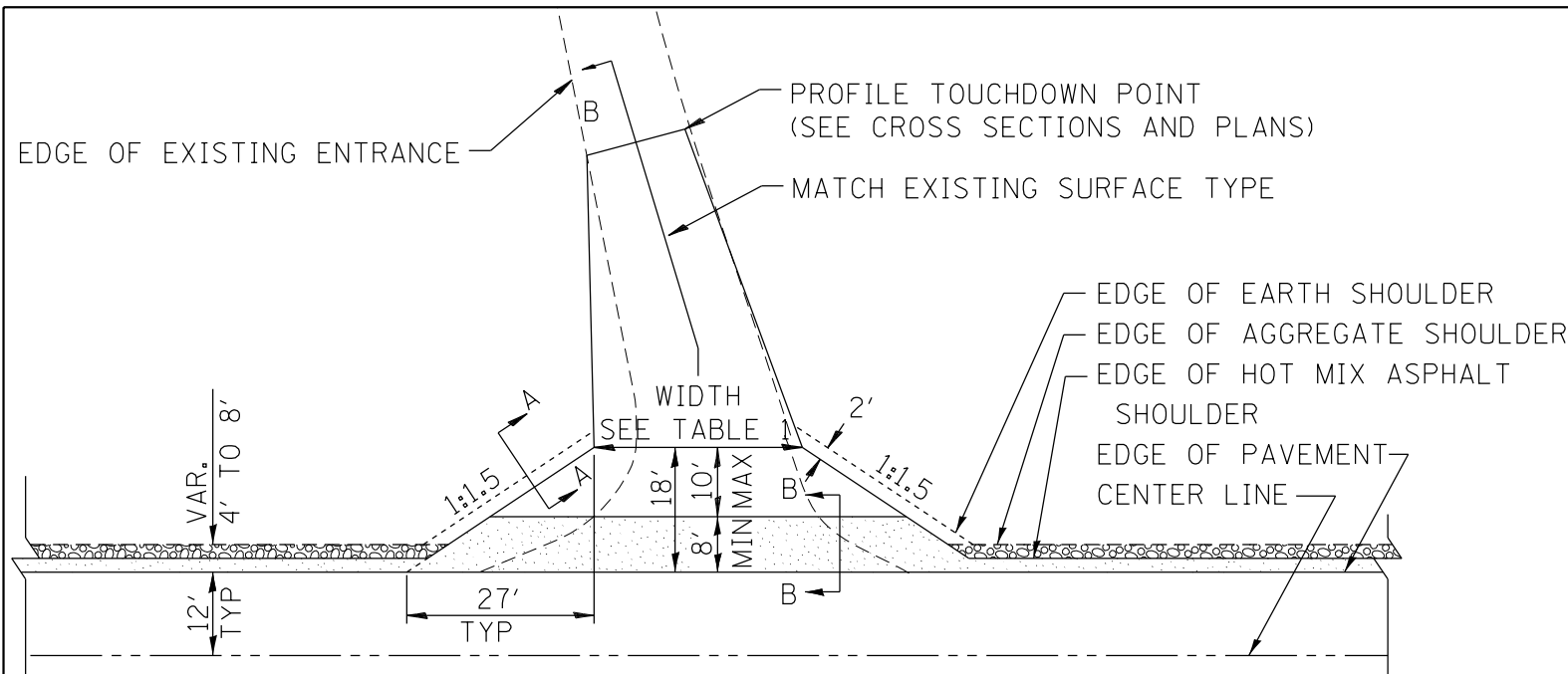
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

NOT TO SCALE

SHT. 3 OF 3
CADD STD. 406101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	40
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B05	



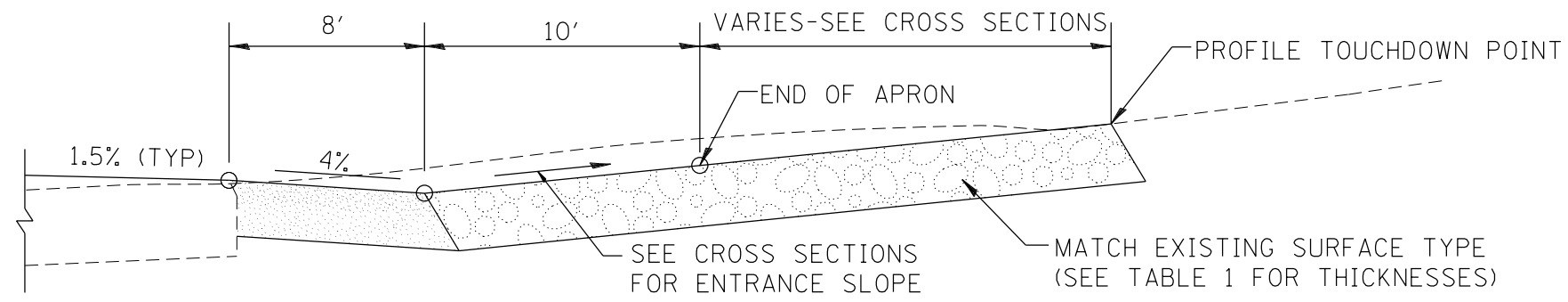
HOT MIX ASPHALT SHOULDER, 8"
 AGGREGATE SHOULDER, TYPE B, 6"

PLAN

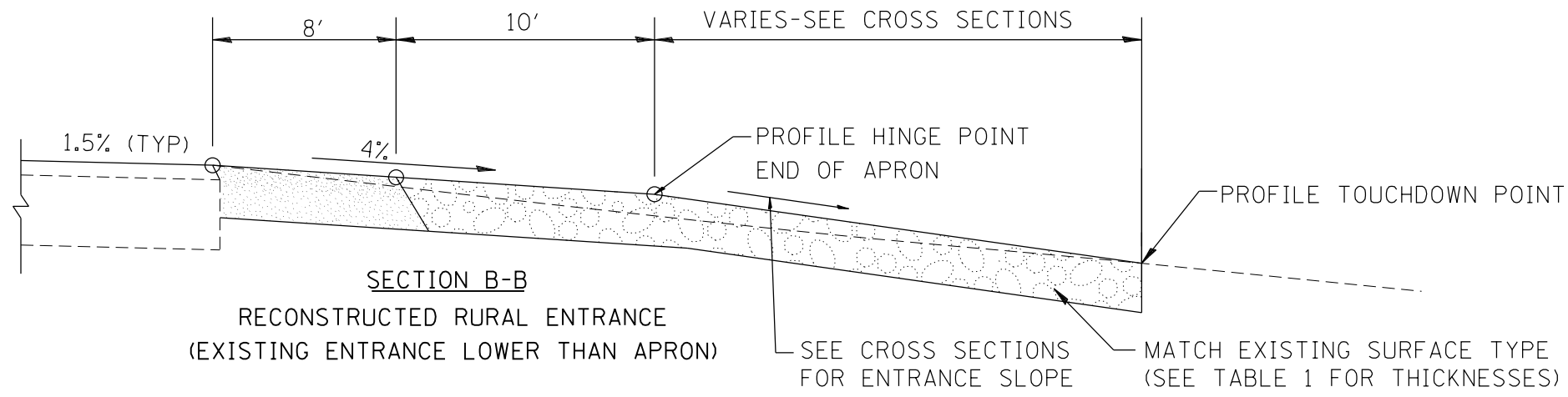
COMMERCIAL / FARM-RELATED ENTRANCE

TABLE 1				
RURAL ENTRANCE DESIGN				
ELEMENT	NON-COMMERCIAL		NON-COMMERCIAL W/ LARGE FARM EQUIPMENT	COMMERCIAL
	12'(3.6m) Min.	24'(7.2m) Max.	20' (6.1m)Max.	30' (9.0m)Max.
WIDTH (W)	12'(3.6m) Min.	24'(7.2m) Max.	20' (6.1m)Max.	30' (9.0m)Max.
FLARE	1:1.5			
MAX. GRADE (G)	12%		10%	

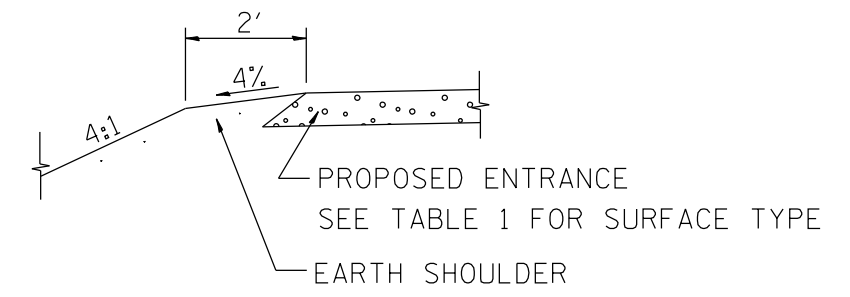
SURFACE TYPE	NON-COMMERCIAL		NON-COMMERCIAL W/ LARGE FARM EQUIPMENT	COMMERCIAL
	1-WAY OPERATION	2-WAY OPERATION	1-WAY OPERATION	2-WAY OPERATION
INCIDENTAL HOT MIX ASPHALT SURFACING	6"	8"	—	8"
AGGREGATE SURFACE COURSE	6"	8"	8"	8"
PCC DRIVEWAY PAVEMENT	6"	7"	—	7"



SECTION B-B
RECONSTRUCTED RURAL ENTRANCE
(EXISTING ENTRANCE HIGHER THAN APRON)



SECTION B-B
RECONSTRUCTED RURAL ENTRANCE
(EXISTING ENTRANCE LOWER THAN APRON)

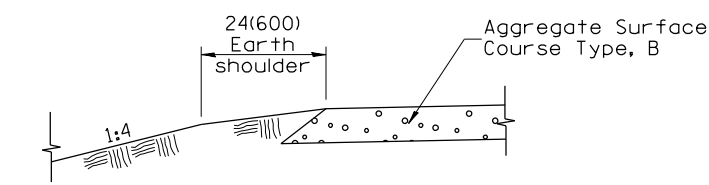


SECTION A-A
SHOULDER TREATMENT FOR RURAL ENTRANCES

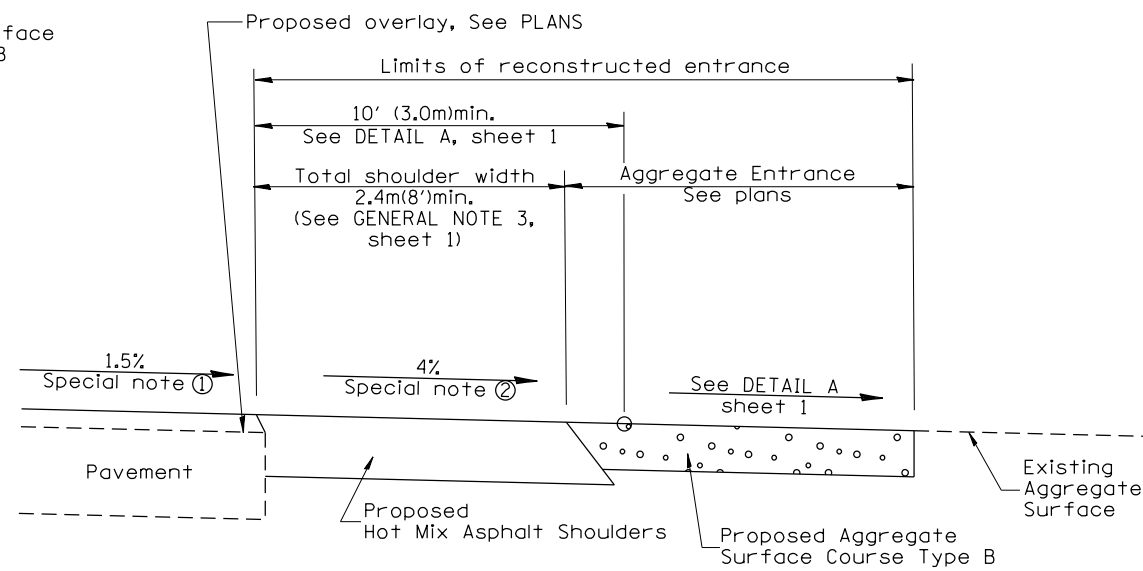
GENERAL NOTES

- ENTRANCES SHALL SLOPE AWAY FROM THE PAVEMENT AT A RATE EQUAL TO THE SHOULDER SLOPE FOR A MINIMUM DISTANCE OF 8'.
- A MINIMUM 8' PAVED SHOULDER SHALL BE CONSTRUCTED BETWEEN LOCATIONS WHERE THE RURAL ENTRANCE IS LESS THAN 50' FROM AN ADJACENT SIDEROAD, ENTRANCE OR MAILBOX TURNOUT.
- A TAPER RATE OF 5:1 IS DESIRABLE WHEN TRANSITING FROM THE RURAL ENTRANCE WIDTH SHOWN IN TABLE 1, TO THE EXISTING ENTRANCE WIDTH.

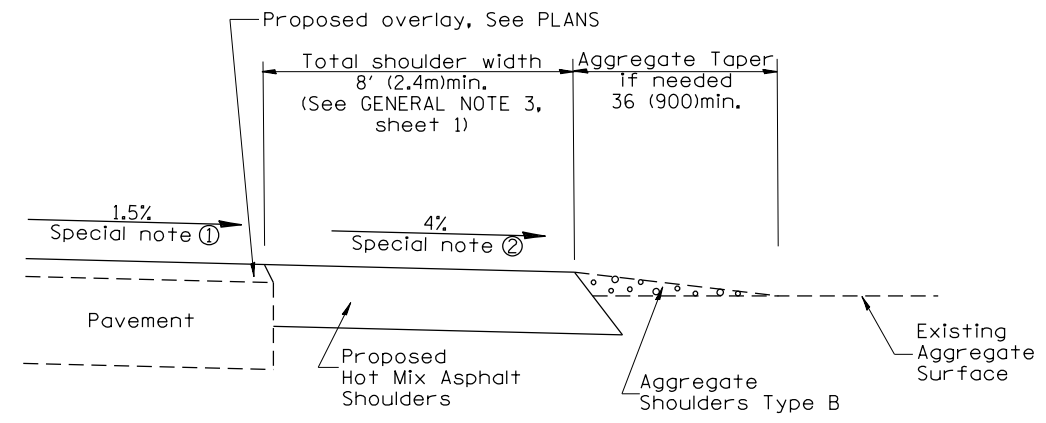
All dimensions are in inches (millimeters) unless otherwise noted.



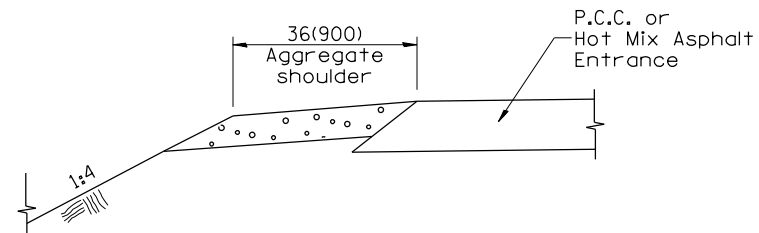
SECTION A-A
SHOULDER TREATMENT FOR AGGREGATE ENTRANCES



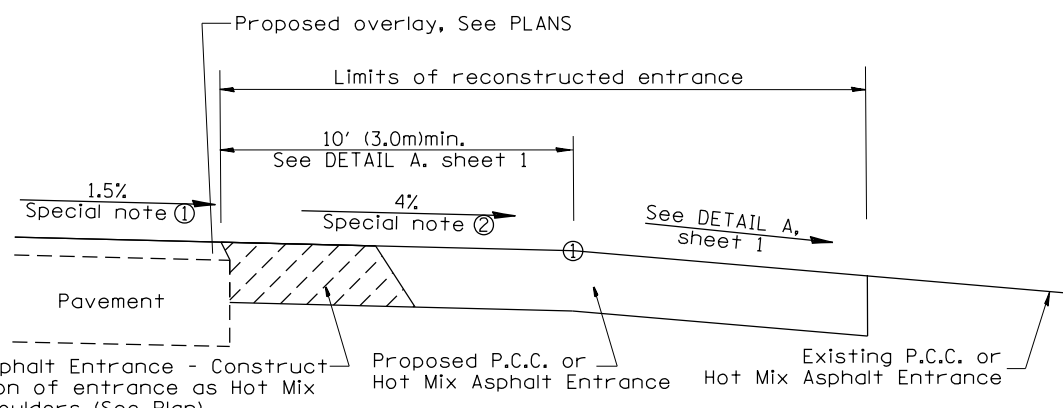
SECTION B-B
RECONSTRUCTED AGGREGATE ENTRANCE



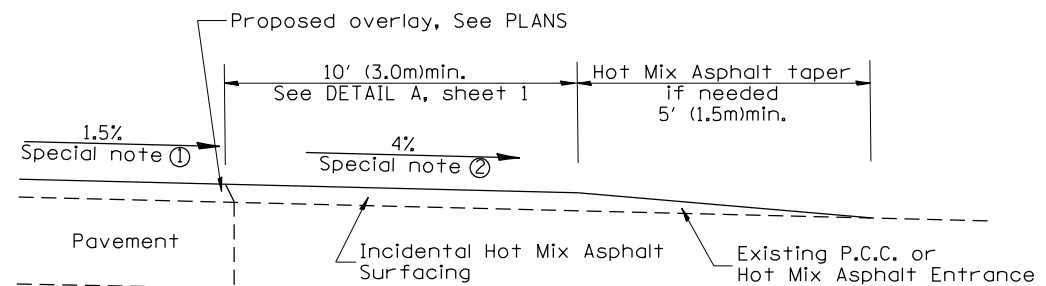
SECTION B-B
EXISTING AGGREGATE ENTRANCE



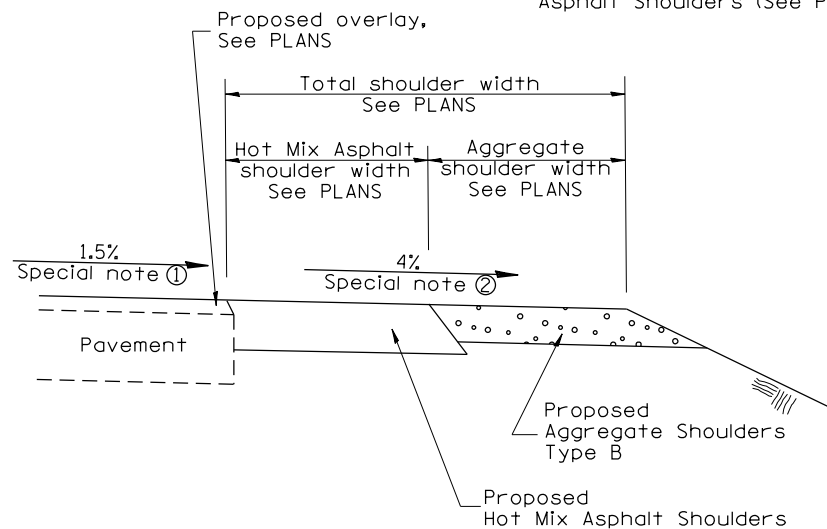
SECTION C-C
SHOULDER TREATMENT FOR P.C.C. OR HOT MIX ASPHALT ENTRANCES



SECTION D-D
RECONSTRUCTED P.C.C. OR HOT MIX ASPHALT ENTRANCE



SECTION D-D
EXISTING P.C.C. OR HOT MIX ASPHALT ENTRANCE



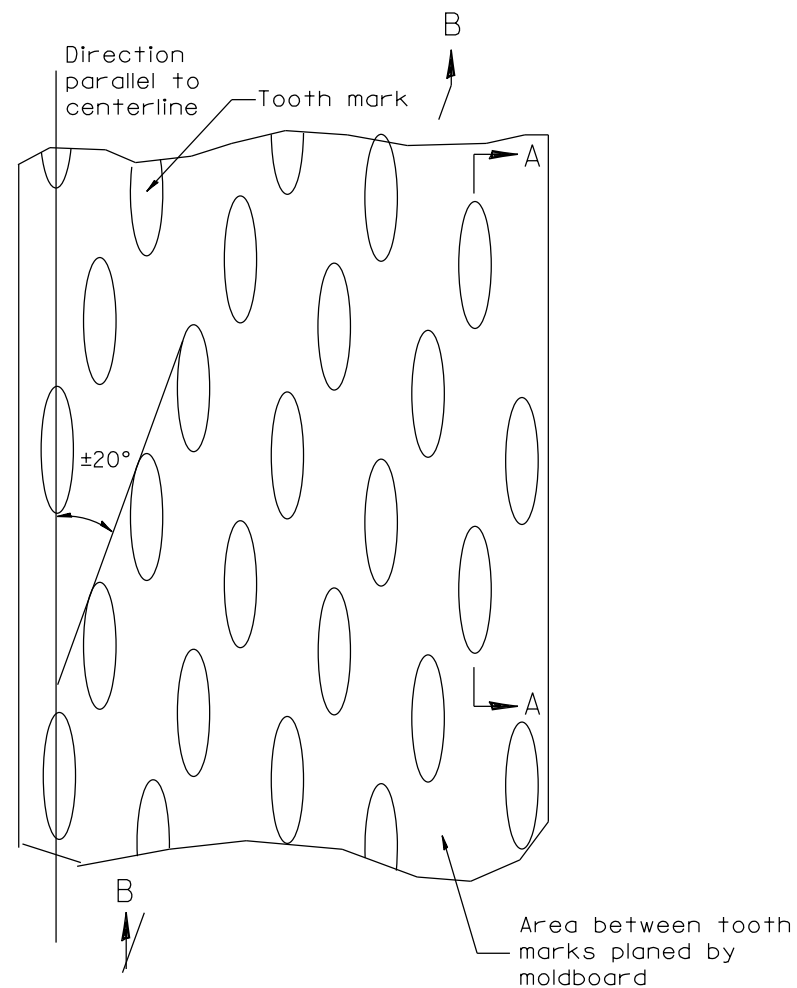
SECTION E-E
MAINLINE SHOULDER TREATMENT

SPECIAL NOTES

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on super-elevated horizontal curves.
- ② The shoulder slope shall control the entrance profile for a distance of 10' (3.0m) minimum from the pavement edge. The shoulder cross-slope is 4% for tangent alignment. Through super-elevated curves, the maximum pavement-shoulder breakover should not be greater than 10% for shoulders 6' (1.8m) and wider and 12% for shoulders 4' (1.2m) and less. Where 12' (366cm) paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

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

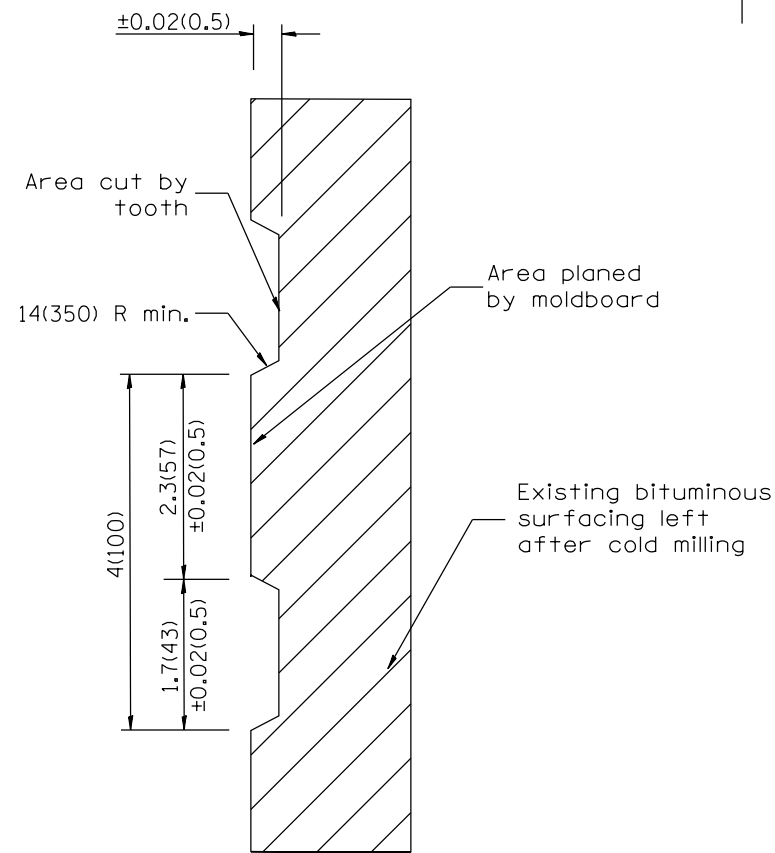
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				RURAL ENTRANCES FOR "3R" PROJECTS				SHT. 2 OF 2
				NOT TO SCALE				CADD STD. 406301-D4
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
693	120N	TAZEWELL	51	42	CONTRACT NO. 68B05			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT						



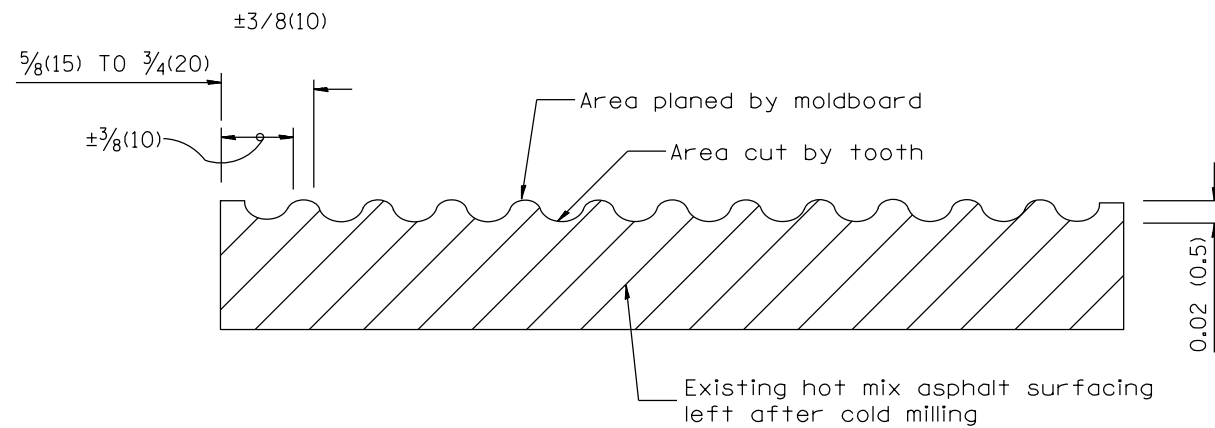
PLAN

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.

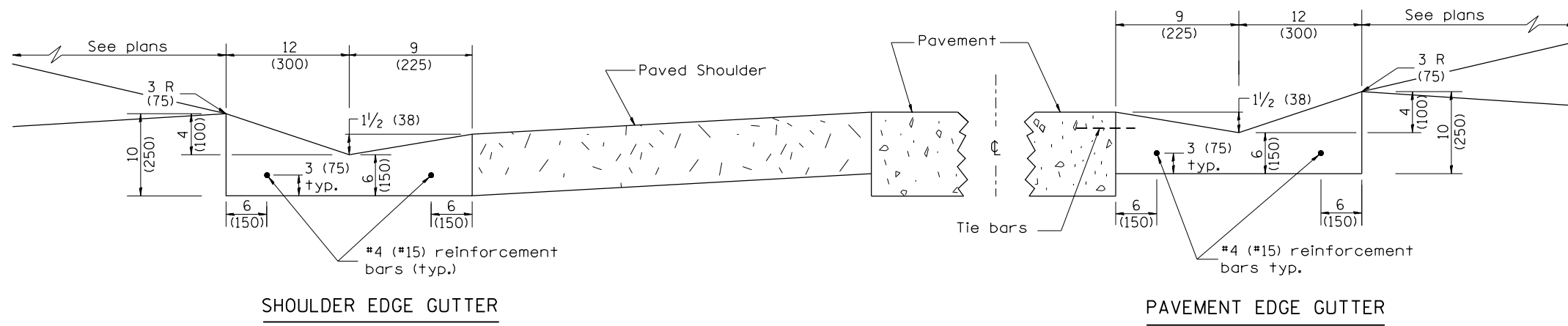
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

CADD STD. 440001-D4

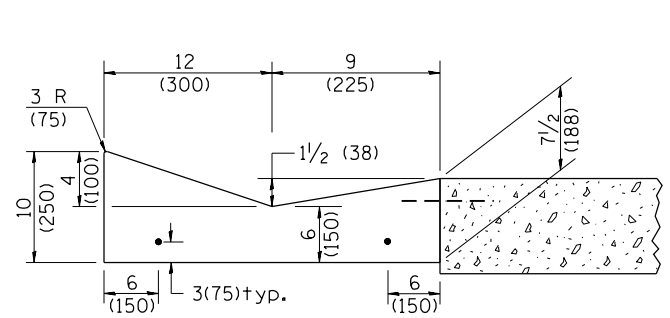
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	43
CONTRACT NO. 68B05				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



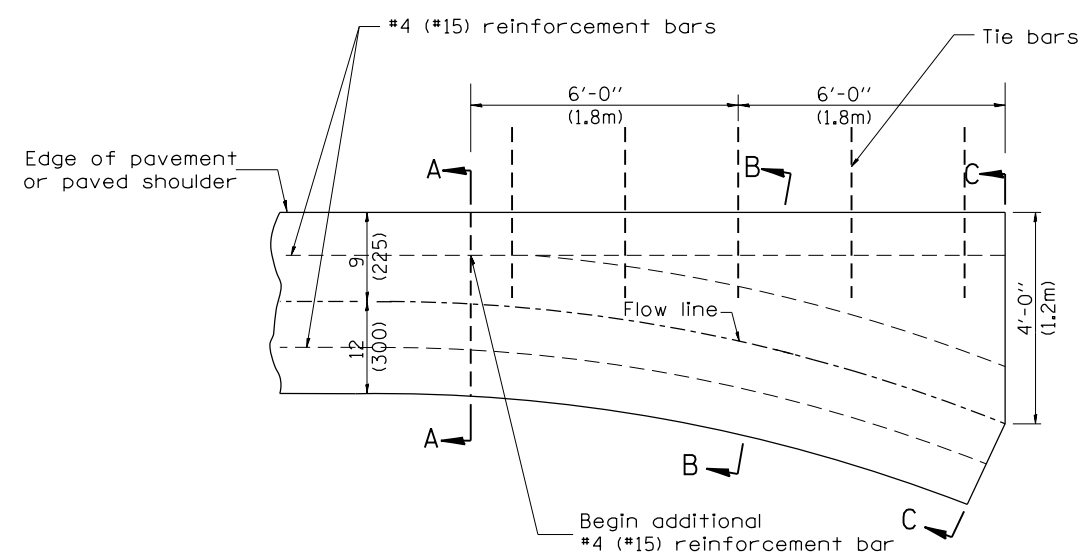
SHOULDER EDGE GUTTER

PAVEMENT EDGE GUTTER

TYPE B GUTTER (MODIFIED)



SECTION A-A

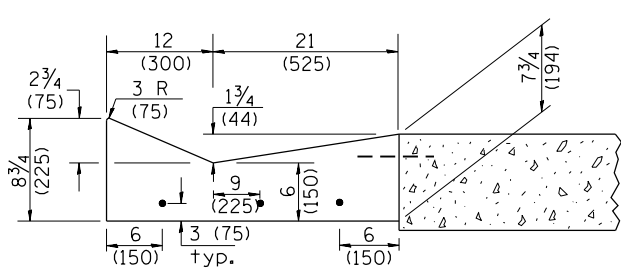


PLAN

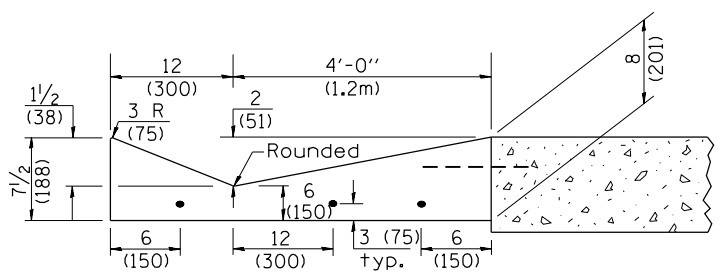
QUANTITY
Section C-C to A-A=
0.73 cu. yd. concrete.

GENERAL NOTES:

1. TYPE B 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

01-01-97	RENUM. A-1.01, NEW REVISION BOX, ELIMINATED	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
	EXPANSION ANCHOR TIES		11-16-07	REVISED QUANTITY	M.A.
03-06-98	CORRECT DIMENSIONING	J.A.			
03-10-06	REVISED QUANTITY	M.A.			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

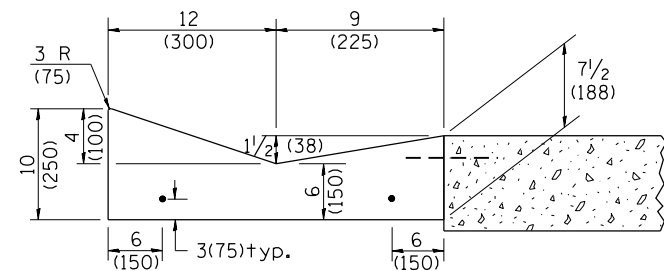
**TYPE B GUTTER (MODIFIED)
(INLET, OUTLET & ENTRANCE)**

NOT TO SCALE

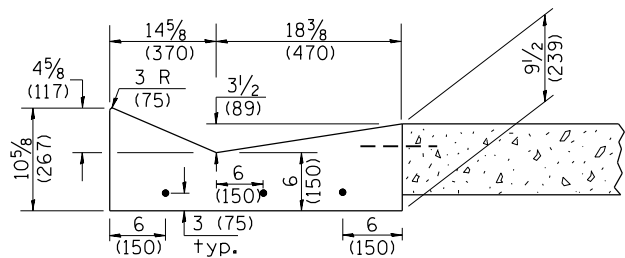
SHT. 1 OF 3
CADD STD. 606201-D4

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

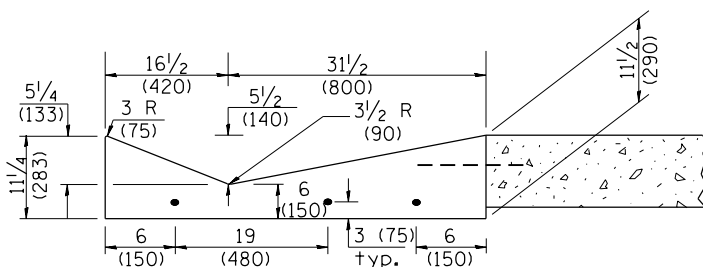
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	44
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B05	



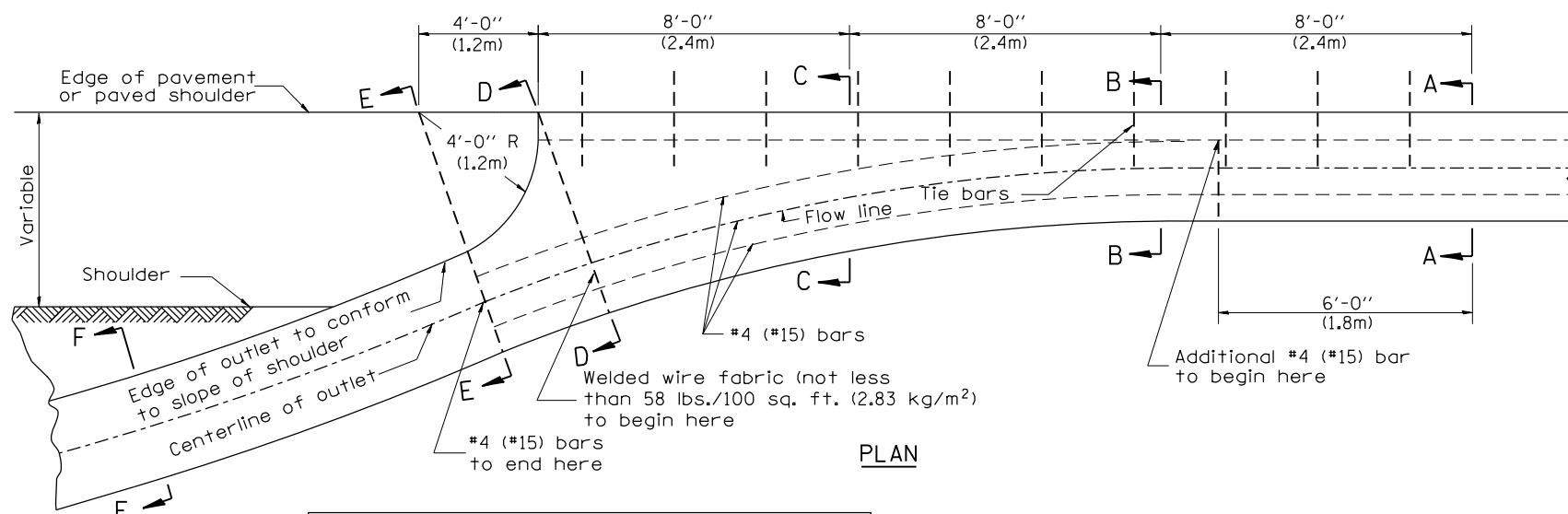
SECTION A-A



SECTION B-B



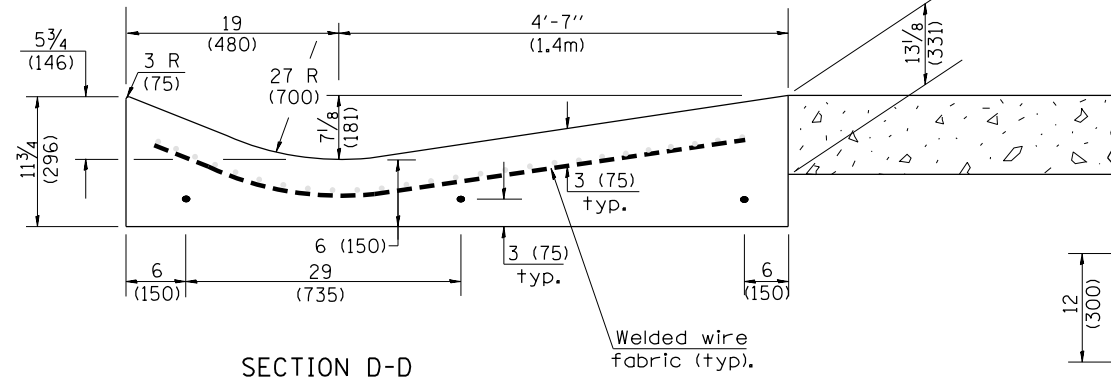
SECTION C-C



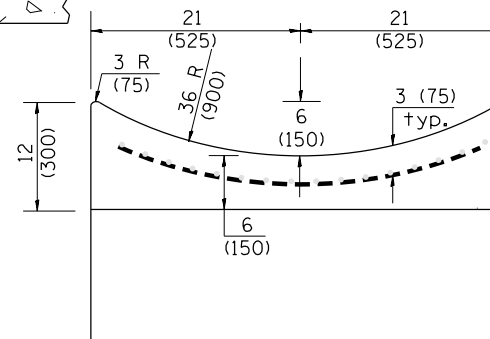
PLAN

QUANTITY
 Section A-A to E-E= 2.81 cu. yd. concrete.
 Section E-E to F-F= 0.09 cu. yd./ft. concrete.

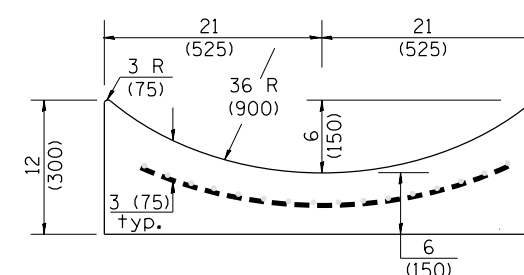
If the average grade of pavement for the distance from section A-A to section D-D exceeds 2%, this distance shall be increased 6 ft. (1.8m) for each 1% increase in grade. A quantity adjustment is required.



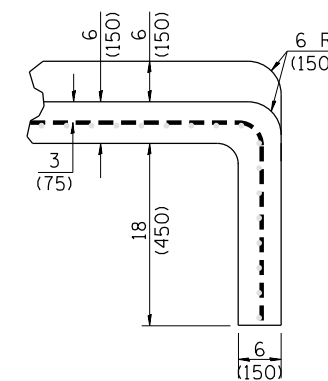
SECTION D-D



SECTION E-E



SECTION F-F



SECTIONS AT END OF OUTLET (CURTAIN WALL)

QUANTITY
 Curtain Wall = 0.1 cu. yd. concrete.

OUTLET

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

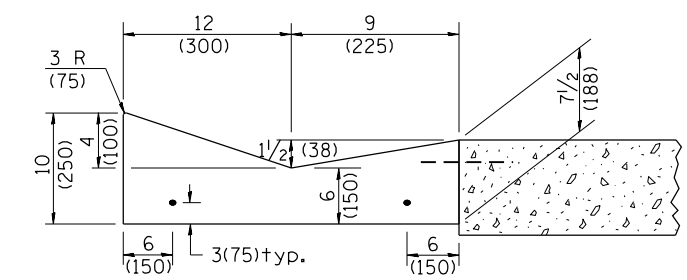
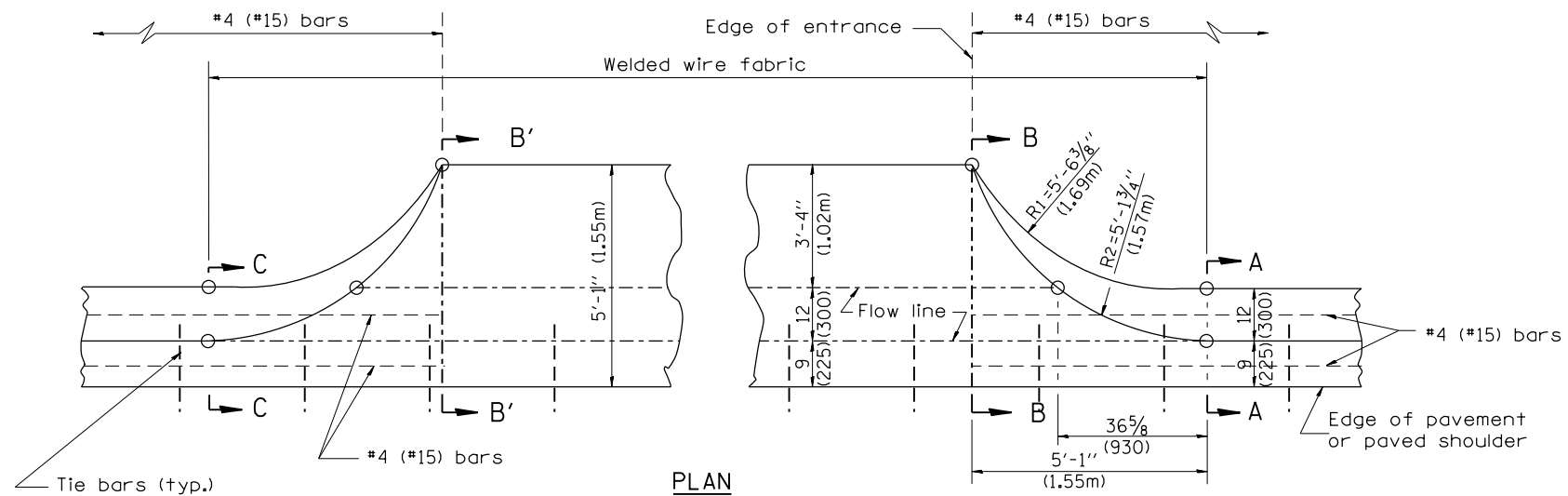
TYPE B GUTTER (MODIFIED)
 (INLET, OUTLET & ENTRANCE)

NOT TO SCALE

SHT. 2 OF 3
 CADD STD. 606201-D4

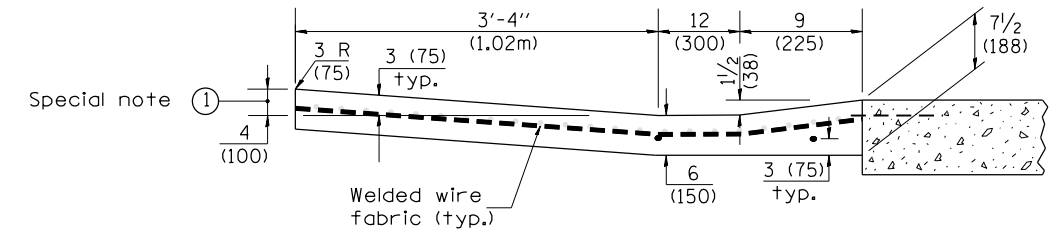
All dimensions are in inches (millimeters) unless otherwise noted.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	45
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



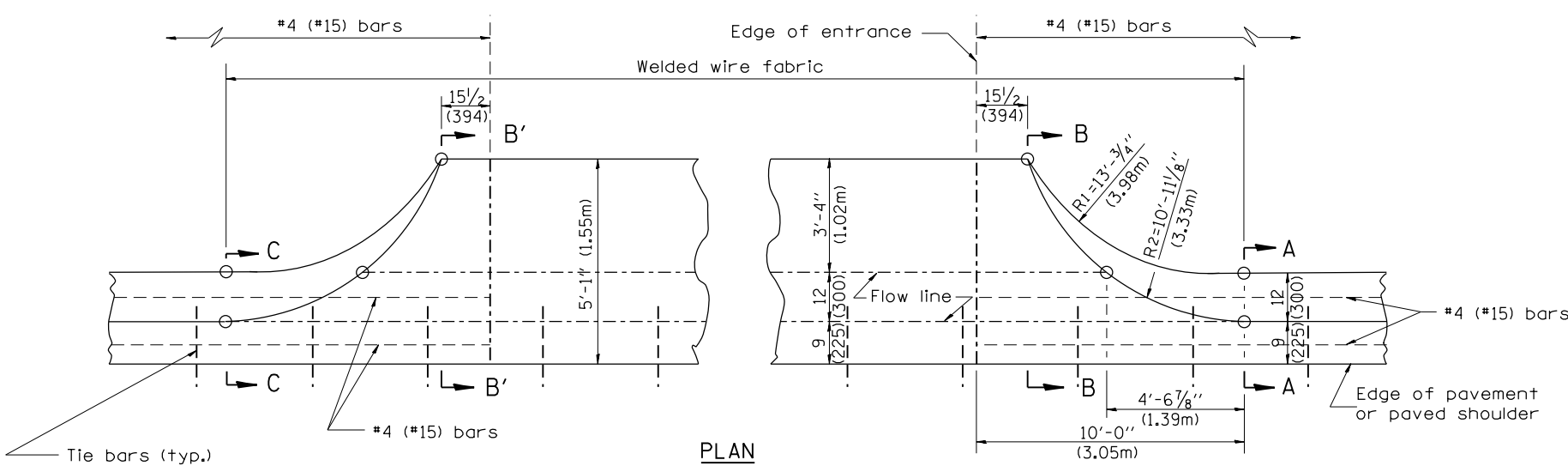
TYPICAL URBAN ENTRANCE

QUANTITY URBAN ENTRANCE
 Section B'-B' to B-B= 0.1 cu. yd./ft.
 Section C-C to B'-B' + B-B to A-A= 0.69 cu. yd.



SECTION B-B & B'-B'

SPECIAL NOTES:
 ① 4 (100) is the normal dimension. If specified in the plans, the following shall be used for improved entrance match-up: Minimum - 2 1/2 (65) Maximum - 5 (125)

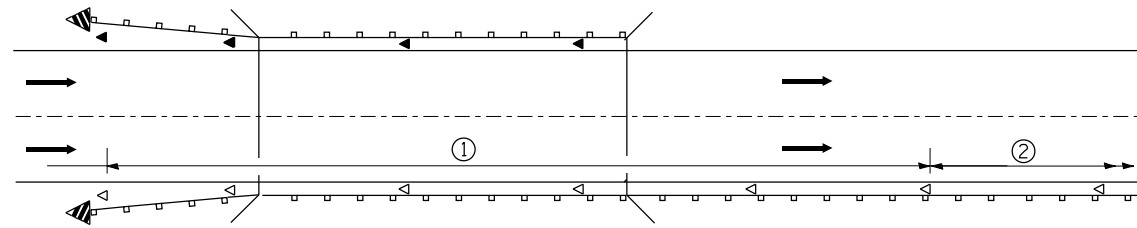


TYPICAL RURAL ENTRANCE

QUANTITY RURAL ENTRANCE
 Section B'-B' to B-B= 0.1 cu. yd./ft.
 Section C-C to B'-B' + B-B to A-A= 1.19 cu. yd.

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

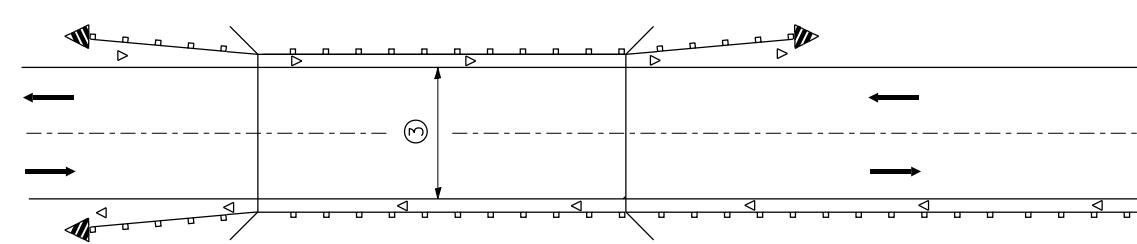
All dimensions are in inches (millimeters) unless otherwise noted.



① Spacing 80 ft. (24 m) max. for first 400 ft. (122 m) or curve spacing shown in Standard 635001, whichever is less (min. 4 reflectors regardless of length).

② After 400 ft. (122 m), transition to normal delineator spacing shown in Standard 635001, and continue as required.

ONE-WAY TRAFFIC



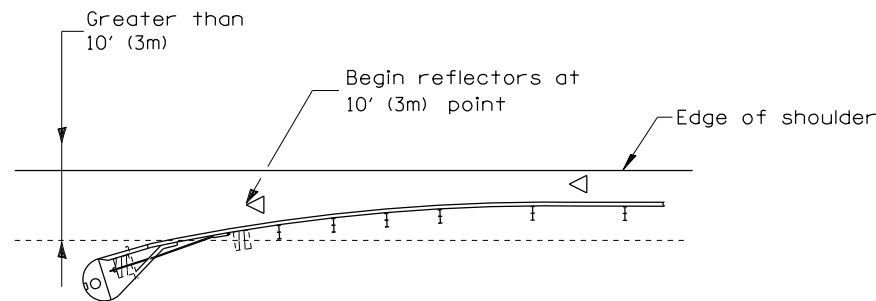
③ Bidirectional silver/silver should be used in lieu of monodirectional silver on both sides of two-lane bridges where the bridge pavement is less than 24 (610) wider than the pavement approaching the bridge.

TWO-WAY TRAFFIC

GUARDRAIL / BARRIER WALL / BRIDGE RAIL REFLECTORS

LEGEND

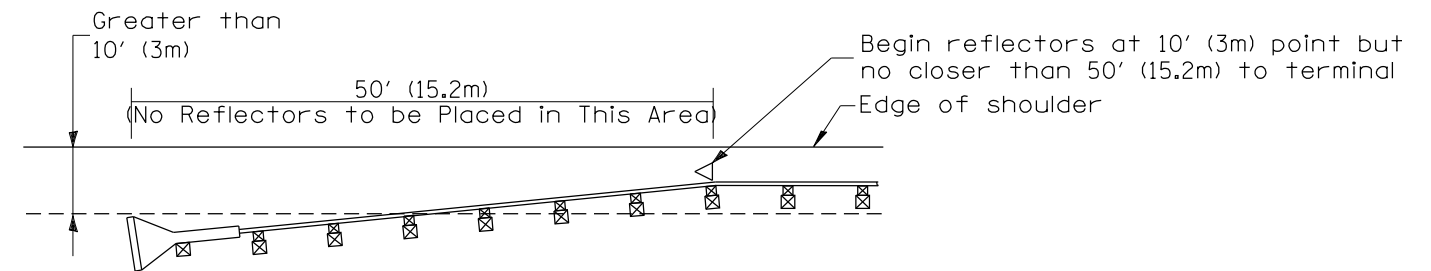
- ◁ Monodirectional silver
- ◄ Monodirectional amber
- ◄ Terminal Marker - Black/Yellow
Left or Right as appropriate



NOTE: Omit terminal marker when terminal over 10' (3m) from edge of paved shoulder or break point of unpaved shoulder, or when terminal buried in backslope.

Traffic Barrier Terminal Type(*)

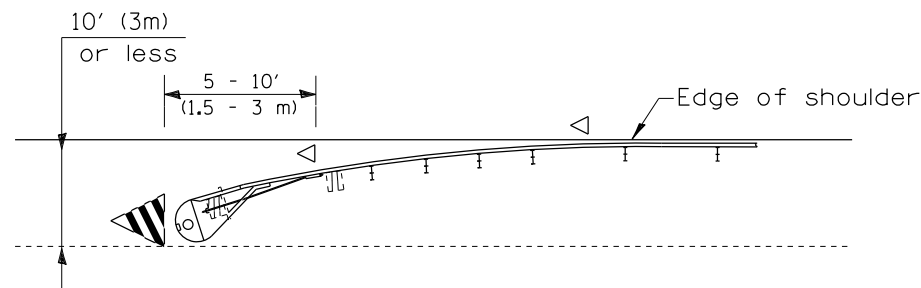
[Terminal over 10' (3m) from edge of shoulder]
•See Plans for Type



NOTE: Omit terminal marker when terminal over (10') from edge of paved shoulder or break point of unpaved shoulder.

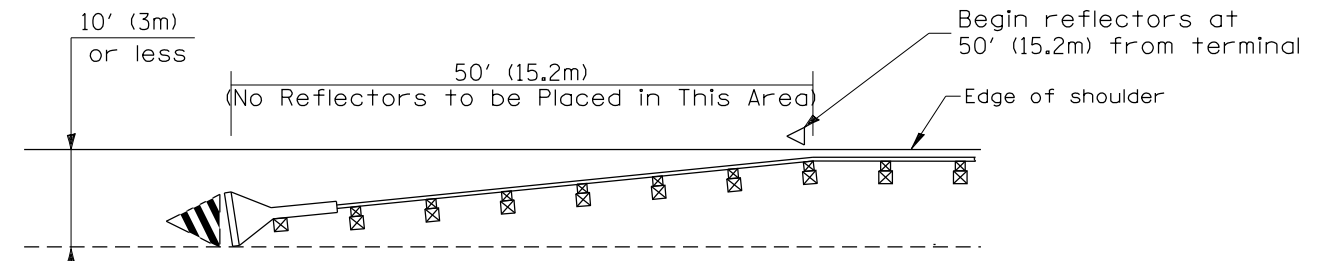
Traffic Barrier Terminal Type 1 (Special)

[Terminal over 10' (3m) from edge of shoulder]



Traffic Barrier Terminal Type(*)

[Terminal over 10' (3m) or less from edge of shoulder]
•See Plans for Type



Traffic Barrier Terminal Type 1(Special)

[Terminal 10' (3m) or less from edge of shoulder]

TERMINAL MARKER PLACEMENT

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

01-01-97	RENUM. E-10.02, NEW REVISION BOX	T.P.			
03-01-97	CORRECT STD. SPEC. *	J.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			
03-15-12	REMOVED REFERENCE TO TURNED-DOWN TERMINAL	R.D.			

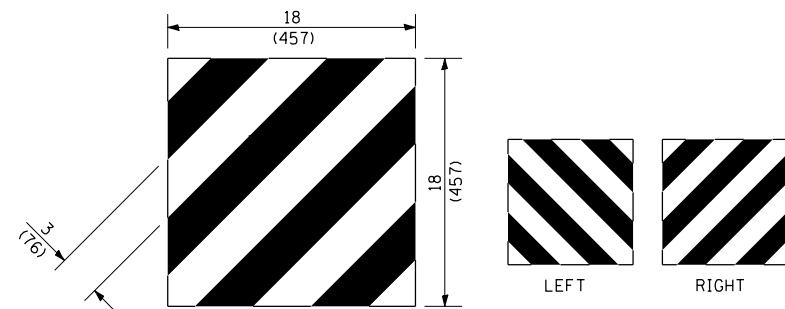
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL AND BARRIER WALL DELINEATION

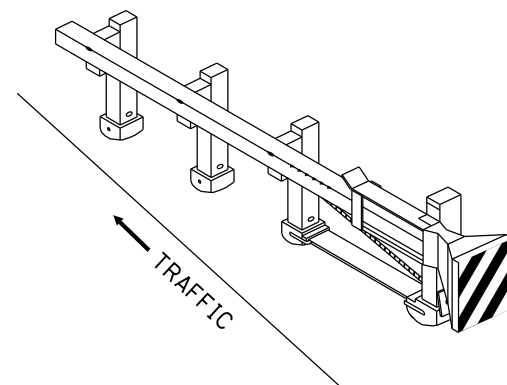
NOT TO SCALE

SHT. 1 OF 3
CADD STD. 635101-D4

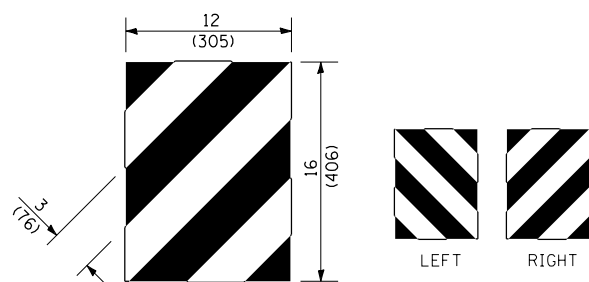
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	47
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B05	



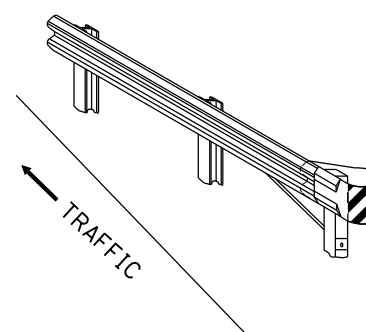
For Traffic Barrier Terminal Type 1 (Special)



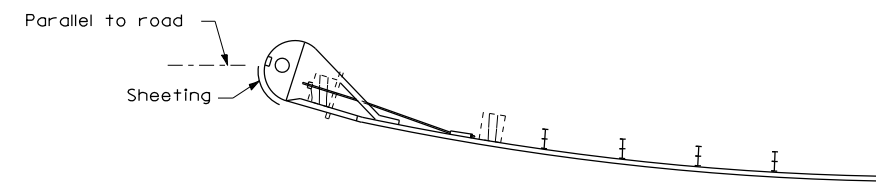
Standard Treatment - Direct Applied Sheeting
Traffic Barrier Terminal Type 1 (Special)



For Traffic Barrier Terminal Type (*)
and Post Mount
• See Plans for Type



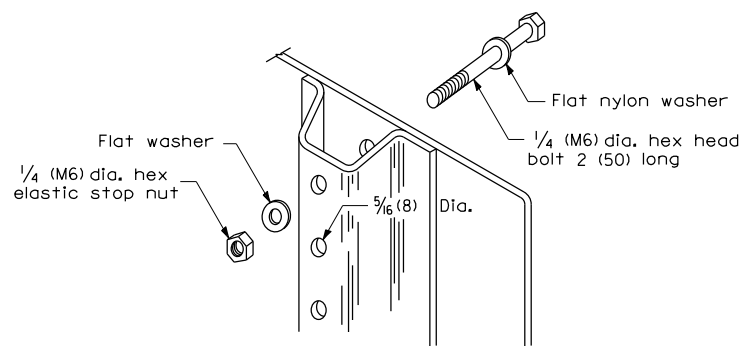
Standard Treatment - Direct Applied Sheeting
Traffic Barrier Terminal Type (*)
• See Plans for Type



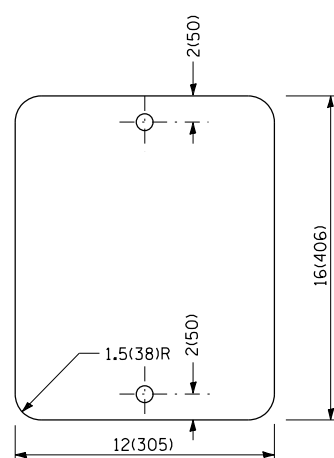
Sheeting Position for
Traffic Barrier Terminal Type (*)
• See Plans for Type

TERMINAL MARKER DETAILS

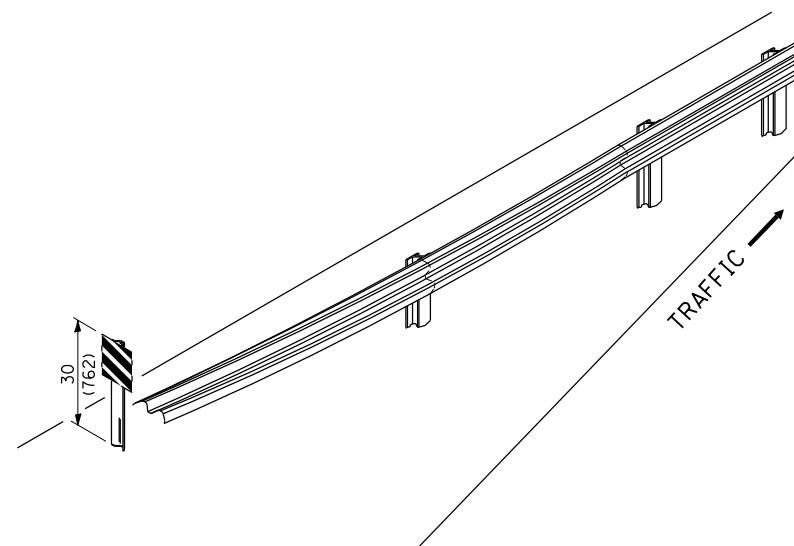
- Color: Black / Yellow reflectorized
- OM - I100 (L or R) Direct applied reflective sheeting
- OM - I200 (L or R) Post mounted



DETAIL OF MOUNTING TERMINAL MARKER TO POST



STANDARD TERMINAL MARKER



ALTERNATE TREATMENT - POST MOUNTED
(For turned-down terminal where sheeting cannot be direct applied)

POST MOUNTED TERMINAL MARKER ASSEMBLY

TERMINAL MARKER TREATMENTS

GENERAL NOTES

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

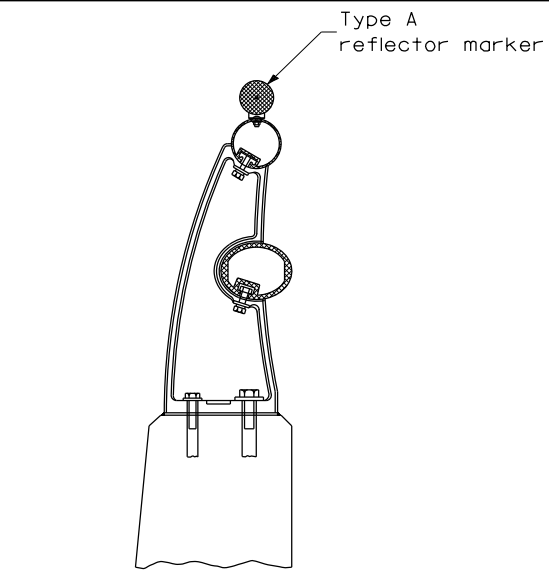
GUARDRAIL AND BARRIER WALL DELINEATION

NOT TO SCALE

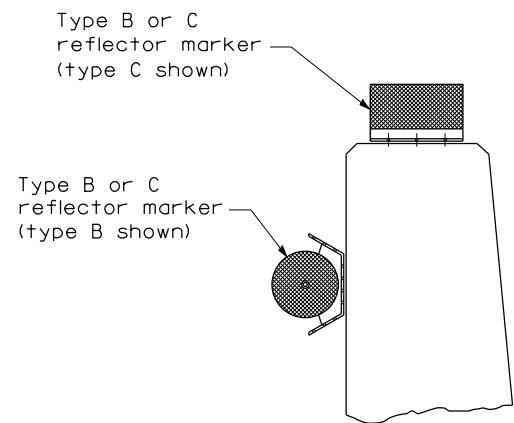
SHT. 2 OF 3
CADD STD. 635101-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	48
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 68B05

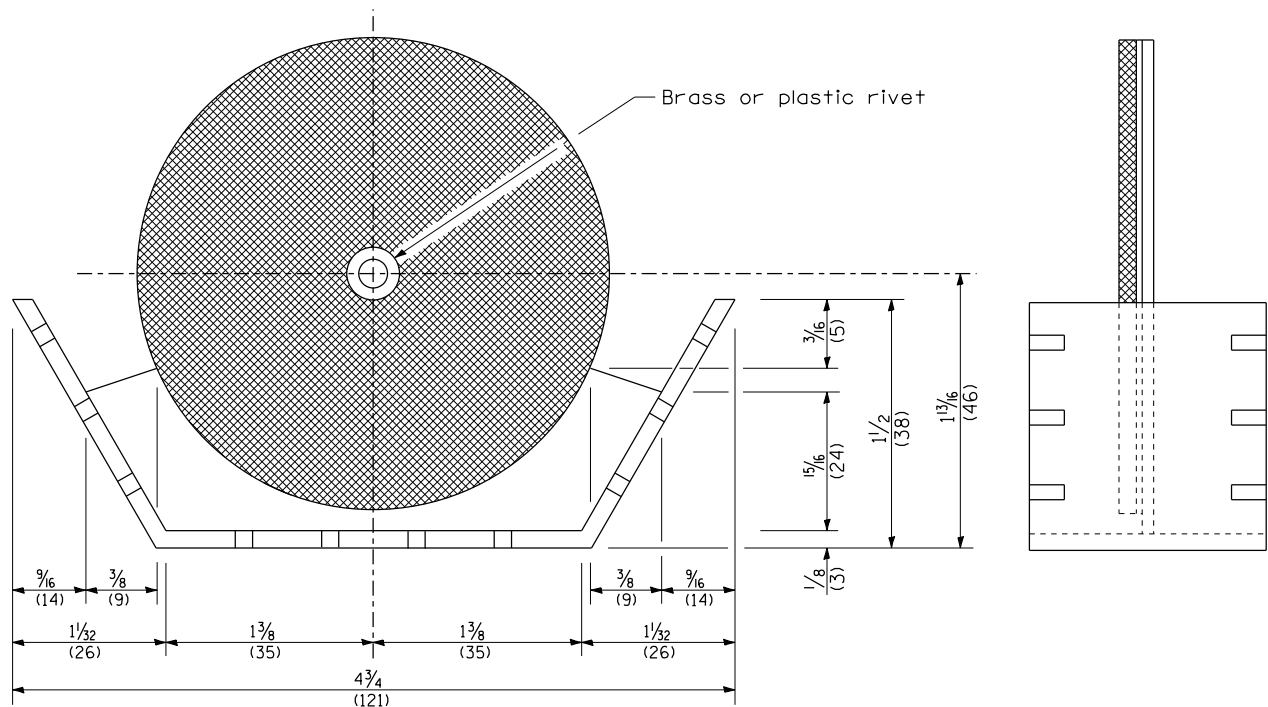
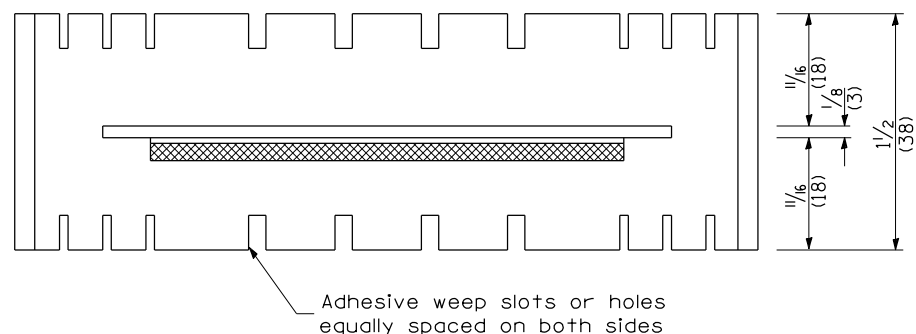


TYPICAL MOUNTING DETAIL FOR BRIDGE RAIL REFLECTOR

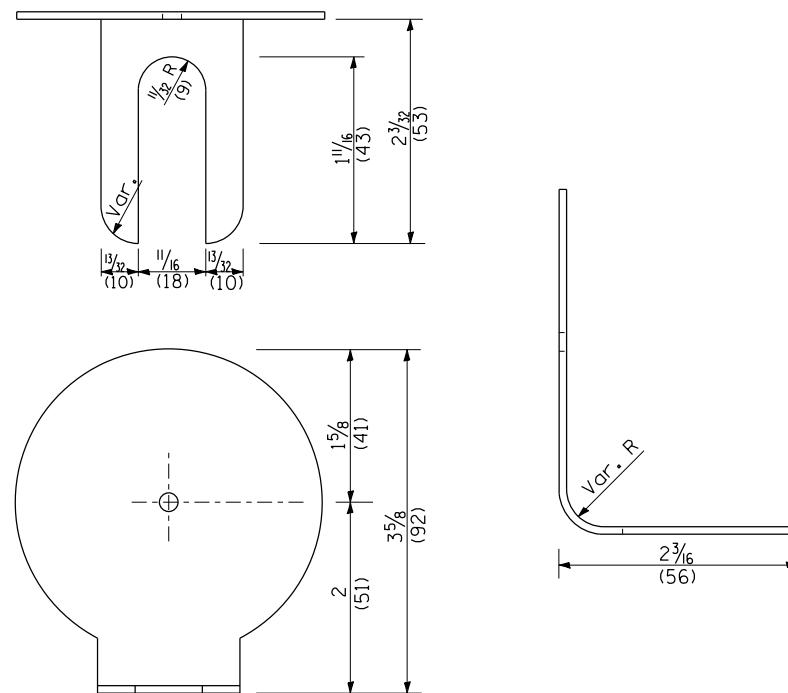


TYPICAL MOUNTING DETAIL FOR BARRIER WALL REFLECTOR

REFLECTOR MOUNTING

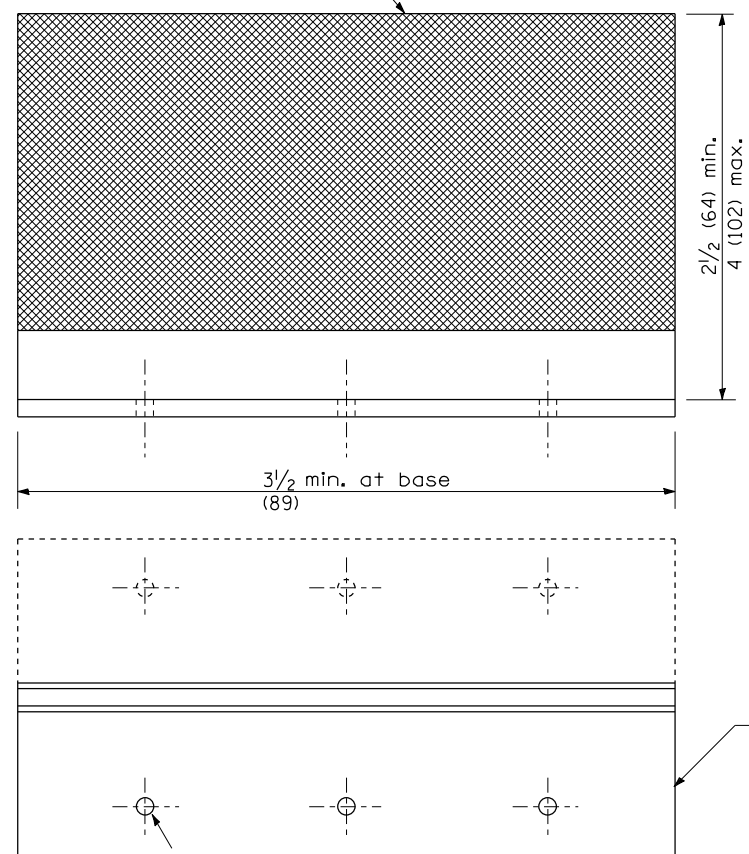


REFLECTOR MARKER TYPE B



REFLECTOR MARKER TYPE A

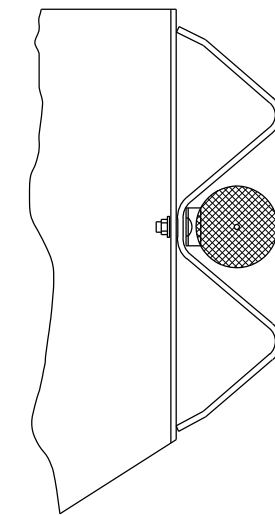
Min. reflective area 6 1/2 sq. in. (4,194 mm²) each side. May be rectangular or slight trapezoid.



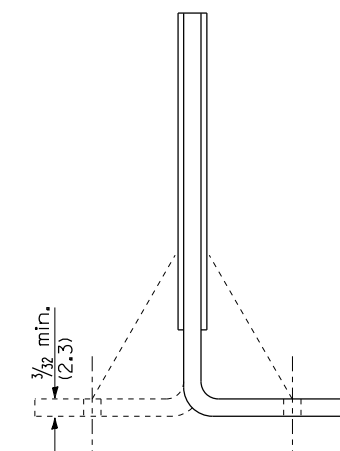
REFLECTOR MARKER TYPE C

3 min. adhesive weep holes or slots each side, variable spacing.

Minimum total area of base 7.0 Sq. in. (4,516 mm²)



TYPICAL GUARDRAIL MOUNTING WITH REFLECTOR MARKER TYPE A

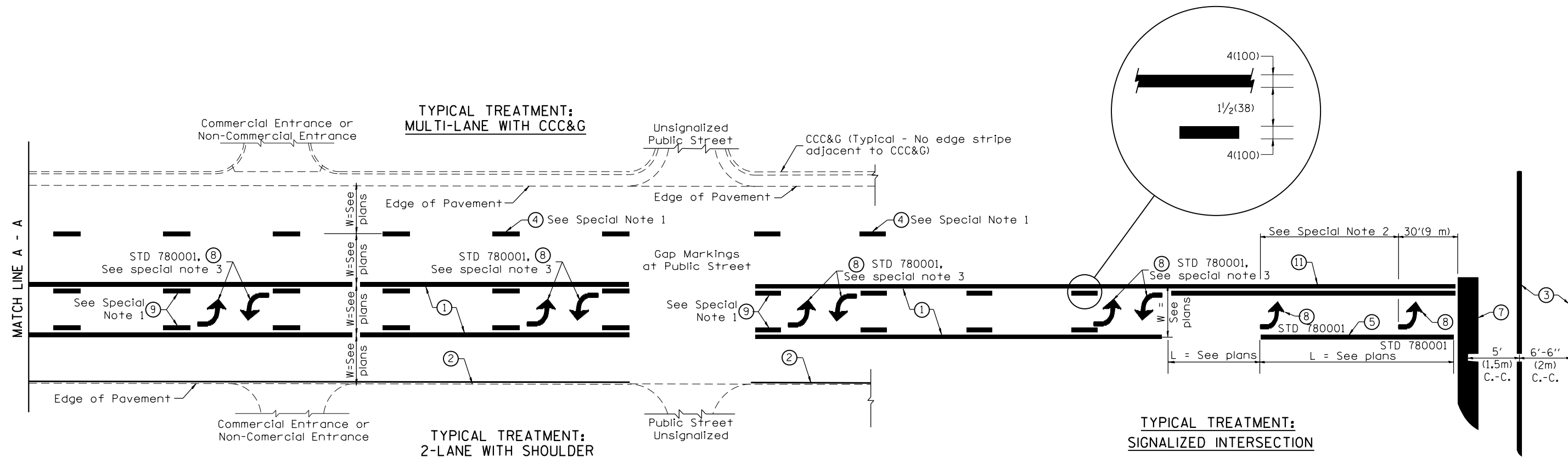


Cross section may be "T" or "L" shaped and may have side supports at ends.

REFLECTORS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	120N	TAZEWELL	51	49
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68B05	



**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) ⑩
- ⑪ 4(100) Double Solid (Yellow) ⑪ (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).

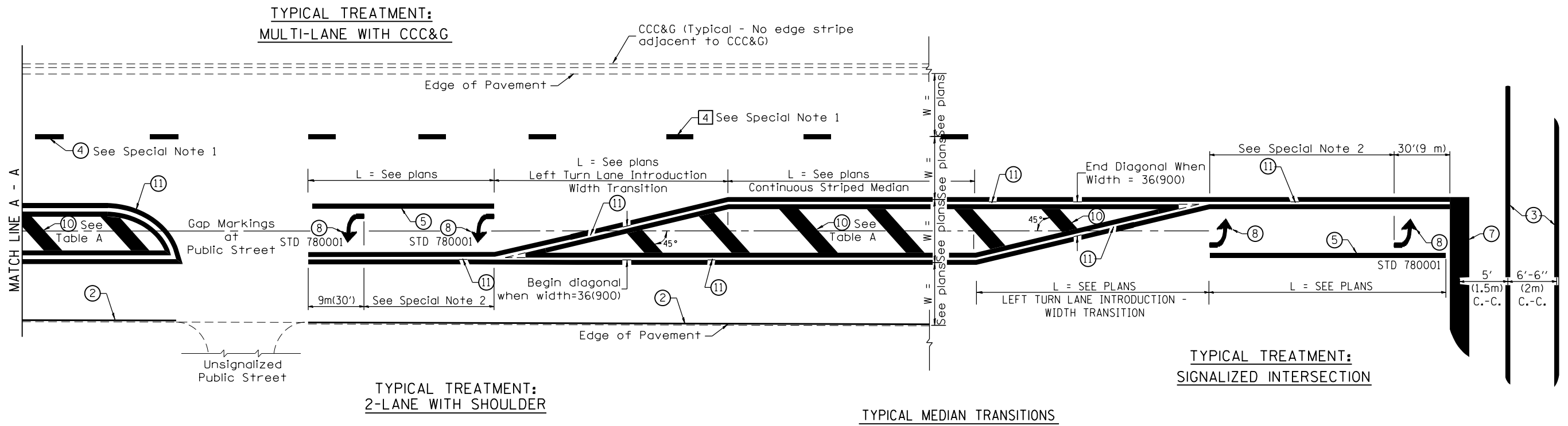
GENERAL NOTES

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.					693	120N	TAZEWELL	51	50
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.					SHT. 1 OF 2 CADD STD. 780001-D4				
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.					CONTRACT NO. 68B05				

NOT TO SCALE

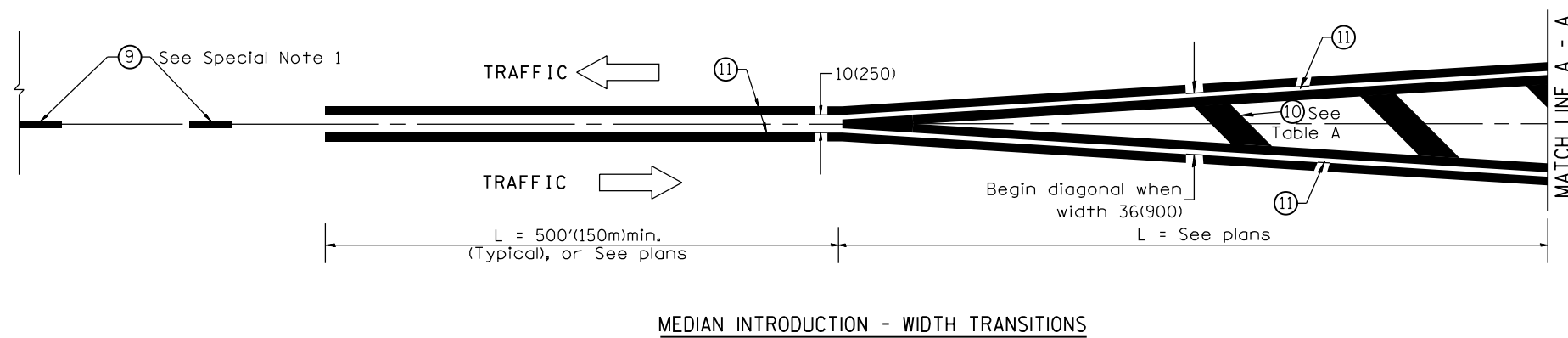
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
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)



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