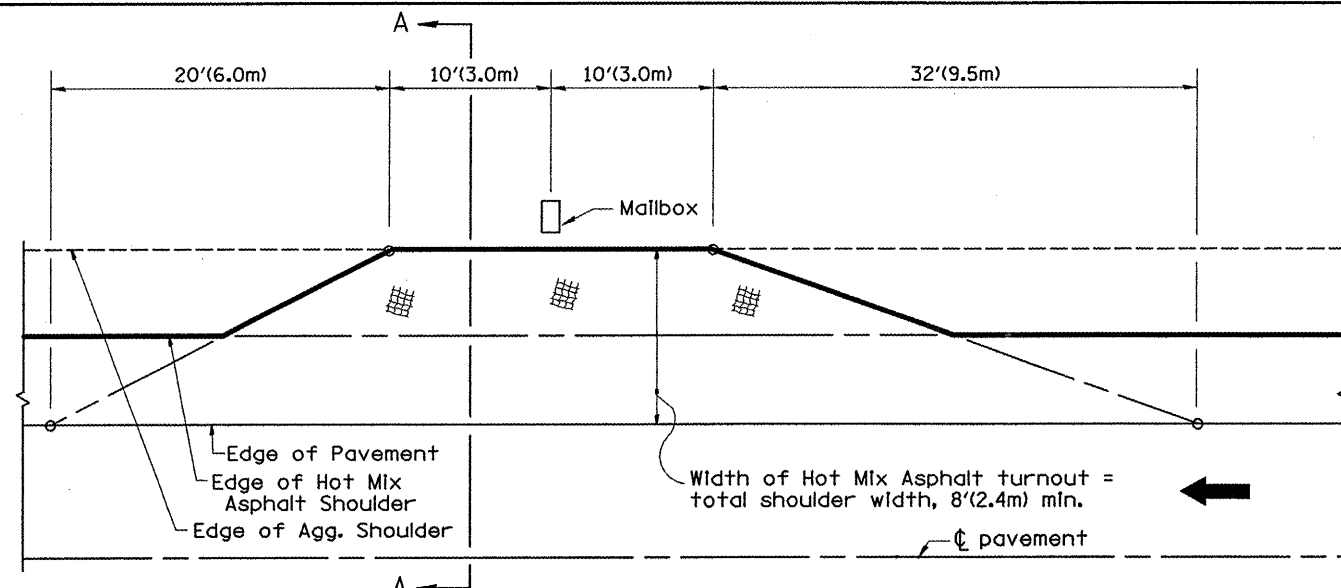


All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

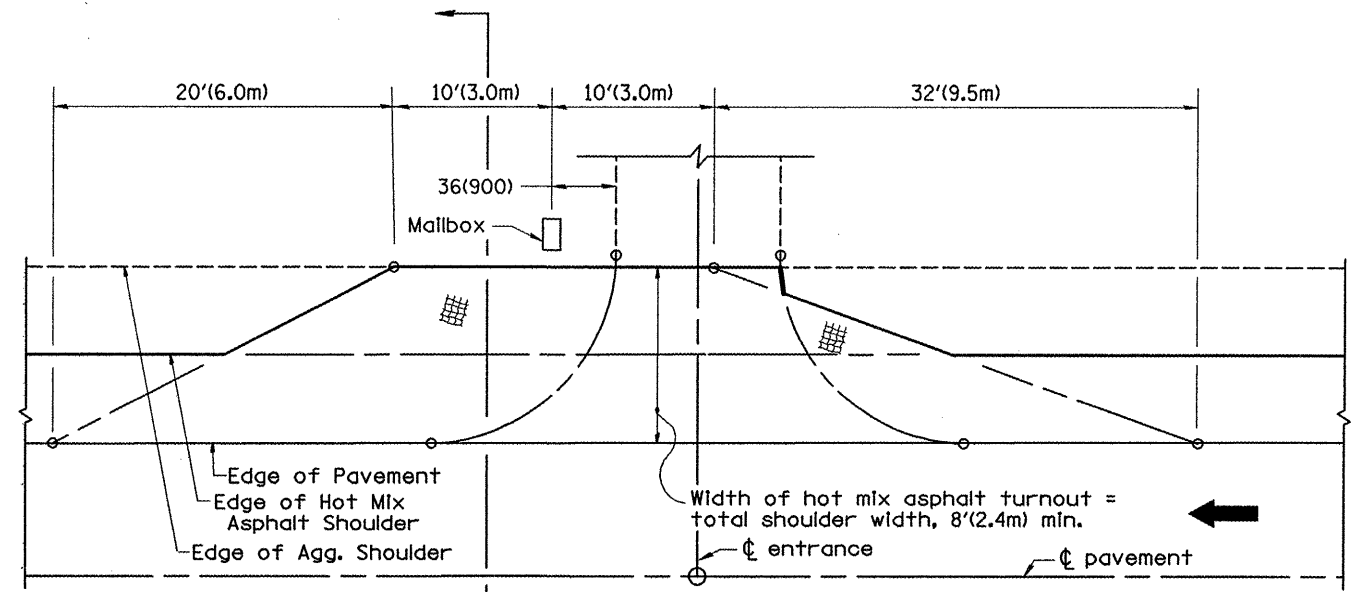
All dimensions are in inches (millimeters) unless otherwise noted.

WATERWAY EROSION CONTROL DOWNSTREAM TREATMENT GABION WEIR

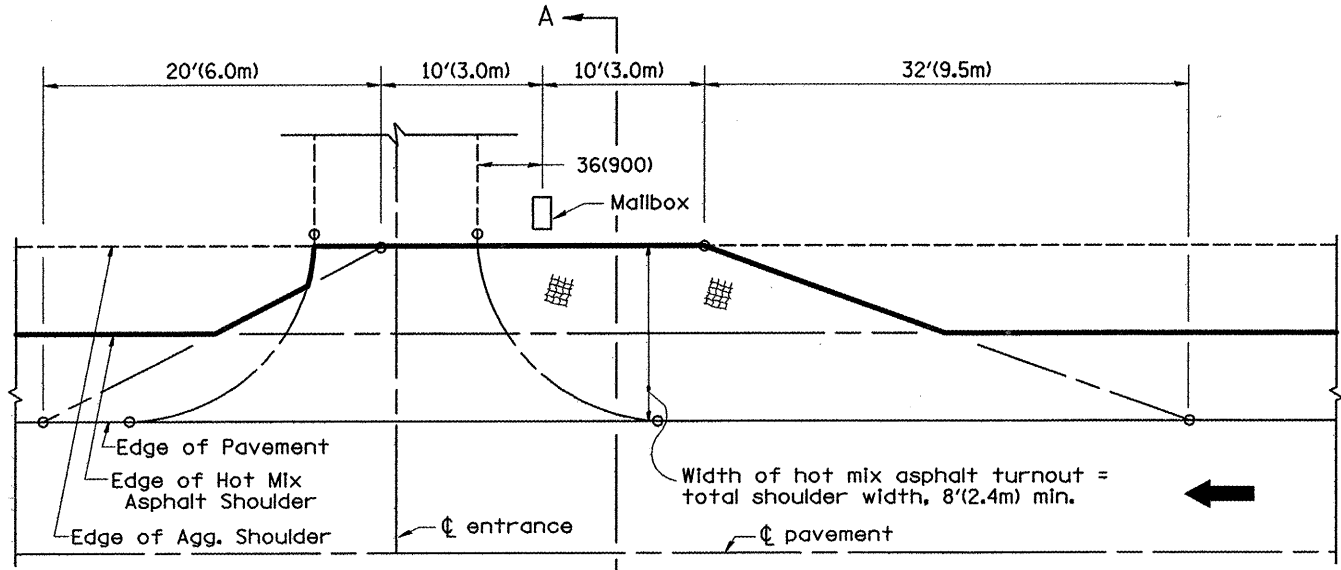
FILE NAME = ...District Standards 280.dgn	USER NAME = Plotted by new6	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS US 150 OVER LITTLE FARM CREEK	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 "/ IN.	DRAWN -	REVISED -			6757	(105B) BR-2, (105B) BR-3	TAZEWELL	102	133
	PLOT DATE = 7/29/2008	CHECKED -	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS		STA.	TO STA.	
		DATE -	REVISED -			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
						CONTRACT NO. 68086				



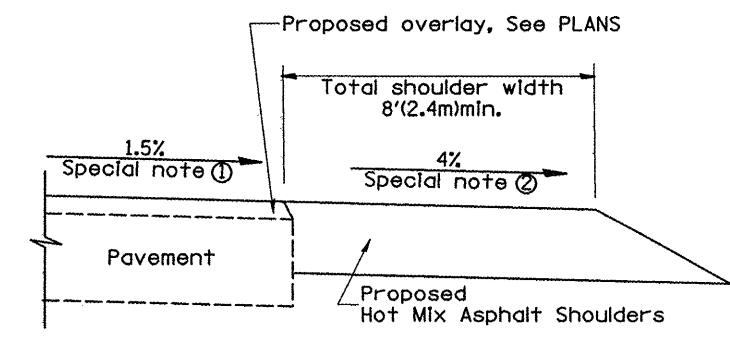
METHOD "T"
Typical Application



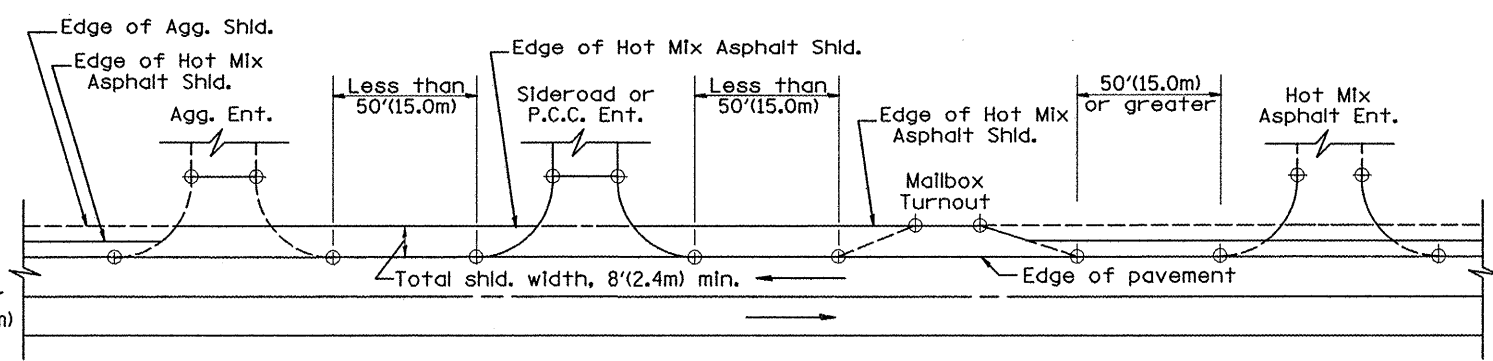
METHOD "F"
Mailbox on far side of entrance



METHOD "N"
Mailbox on near side of entrance



SECTION A-A



DETAIL A
SHOULDER TREATMENT FOR CLOSELY SPACED SIDEROADS, ENTRANCES, AND/OR MAILBOX TURNOUTS

GENERAL NOTES

1. Mailbox turnouts shall slope away from the pavement edge at a rate equal to the shoulder slope. See SECTION A-A.
2. The total shoulder width, 8'(2.4m) minimum, shall be paved between sideroads entrances and/or mailbox turnouts at locations where the distance between radius or taper control points is less than 50'(15.0m). See DETAIL A.
3. Mailboxes shall be mounted such that the face of the mailbox is 6(150) to 12(300) and the post a minimum of 24(600) from the edge of the turnout surfacing.

SPECIAL NOTES

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on superelevated horizontal curves.
- ② The shoulder slope shall control the turnout slope. The standard cross-slope is 4% for tangent alignment. Through superelevated 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(300) paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

MAILBOX TURNOUTS FOR "3R" PROJECTS

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

DATE	REVISIONS	BY
1-1-97	RENUM. C-90.01, NEW REVISION BOX	T.P.
7-1-97	REVISE DESIGNER NOTES	J.A.
9-15-05	REVISED DESIGNER NOTE	M.M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

FILE NAME =	USER NAME = Plotted by new6
...District Standards 406.dgn	

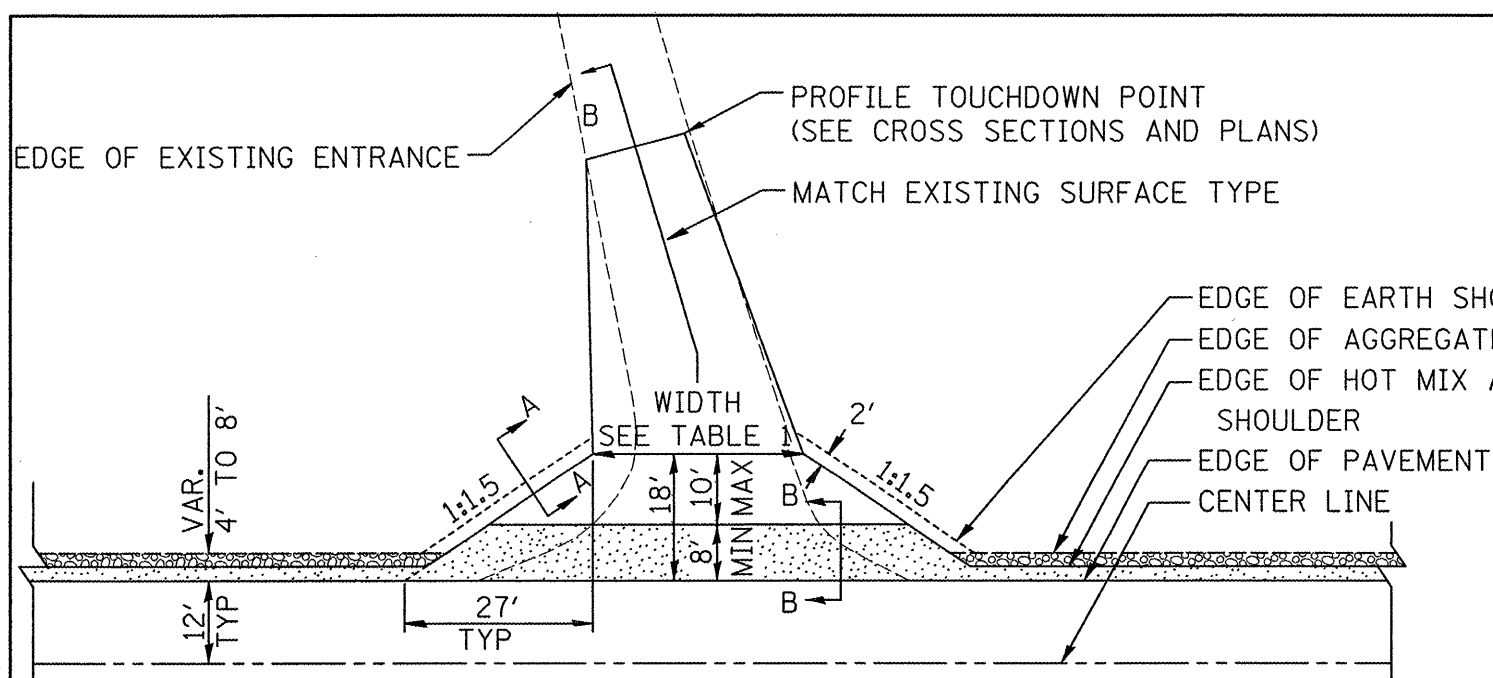
DESIGNED -	REVISOR -
DRAWN -	REVISOR -
CHECKED -	REVISOR -
DATE -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT STANDARDS			
US 150 OVER LITTLE FARM CREEK			
SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

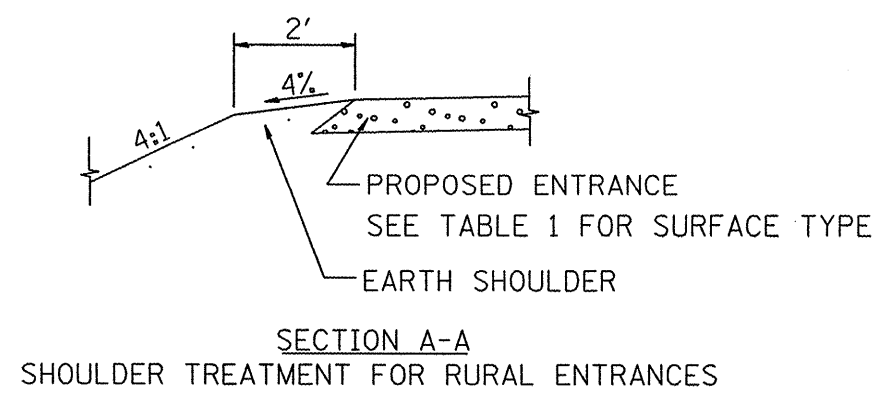
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6757	(105B) BR-2, (105B) BR-3	TAZEWELL	103	133
CONTRACT NO. 68086				

DESIGNER NOTE
1. THIS DRAWING REPLACES STATE STANDARD 406201
2. DESIGNER SHOULD CONSULT CHAPTER 49 OF THE BDE MANUAL



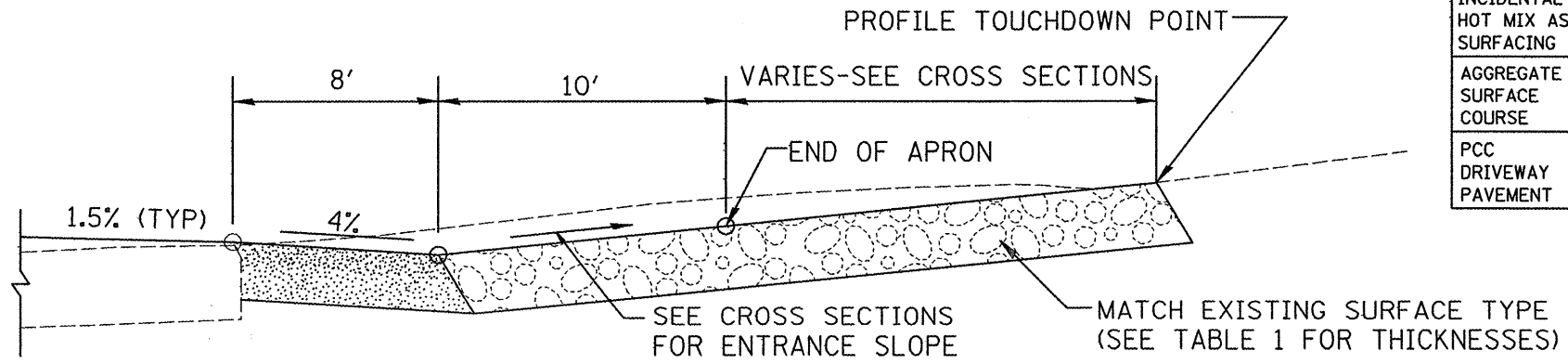
HOT MIX ASPHALT SHOULDER, 8"
 AGGREGATE SHOULDER, TYPE B, 6"

PLAN
COMMERCIAL / FARM-RELATED ENTRANCE

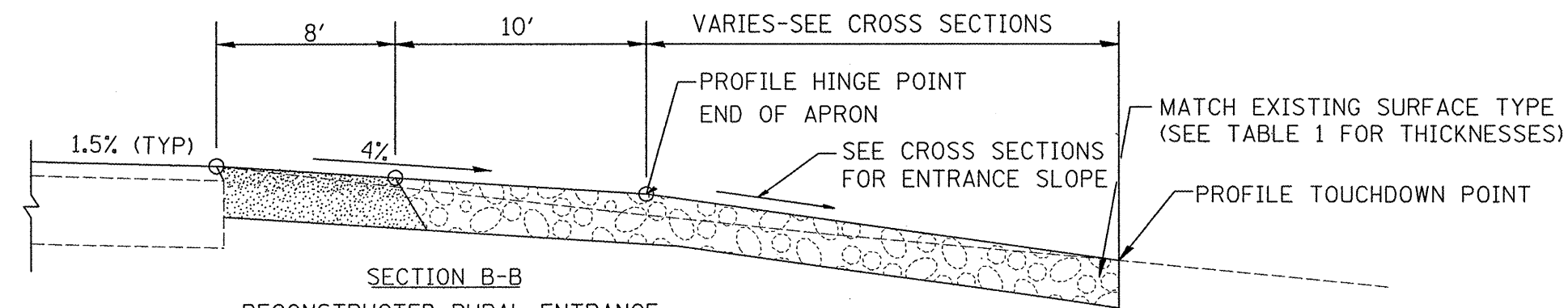


SECTION A-A
SHOULDER TREATMENT FOR RURAL ENTRANCES

TABLE 1							
RURAL ENTRANCE DESIGN							
ELEMENT	NON-COMMERCIAL		NON-COMMERCIAL W/ LARGE FARM EQUIPMENT		COMMERCIAL		
					1-WAY OPERATION	2-WAY OPERATION	
WIDTH (W)	12'(3.6m) Min.	24'(7.2m) Max.	20' (6.1m)Max.	30' (9.0m)Max.	14'(4.3m) Min.	24'(7.2m) Max.	24'(7.2m) Min., 35'(10.7m) Max.
FLARE	1:1.5						
MAX. GRADE (G)	12%		12%		10%		
SURFACE TYPE							
INCIDENTAL HOT MIX ASPHALT SURFACING	6"		—		8"		
AGGREGATE SURFACE COURSE	6"		8"		8"		
PCC DRIVEWAY PAVEMENT	6"		—		7"		



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



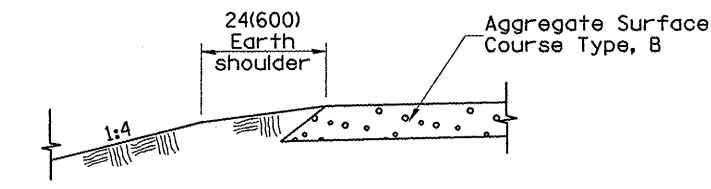
SECTION B-B
RECONSTRUCTED RURAL ENTRANCE
(EXISTING ENTRANCE LOWER THAN APRON)

GENERAL NOTES

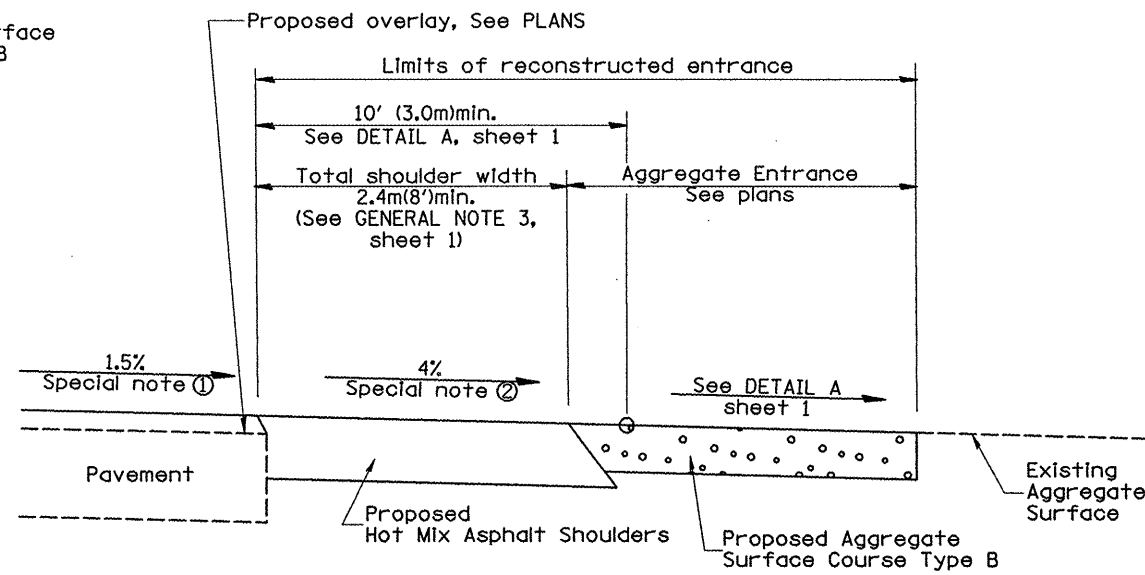
- ENTRANCES SHALL SLOPE AWAY FROM THE PAVEMENT AT A RATE EQUAL TO THE SHOULDER SLOPE FOR A MINIMUM DISTANCE OF 8'.
- A MINIMUM 8' PAVED SHOULDER SHALL BE CONSTRUCTED BETWEEN LOCATIONS WHERE THE RURAL ENTRANCE IS LESS THAN 50' FROM AN ADJACENT SIDEROAD, ENTRANCE OR MAILBOX TURNOUT.
- A TAPER RATE OF 5:1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

DATE	REVISIONS	BY
1-1-97	RENUM. C-103.06, NEW REVISION BOX	T.P.
7-1-97	REVISE DESIGNER NOTES	J.A.
1-17-03	ADJUST DESIGN, CHANGE ENTRANCE	J.A.T.R.
9-15-05	RADIUS FOR FLARE	M.M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

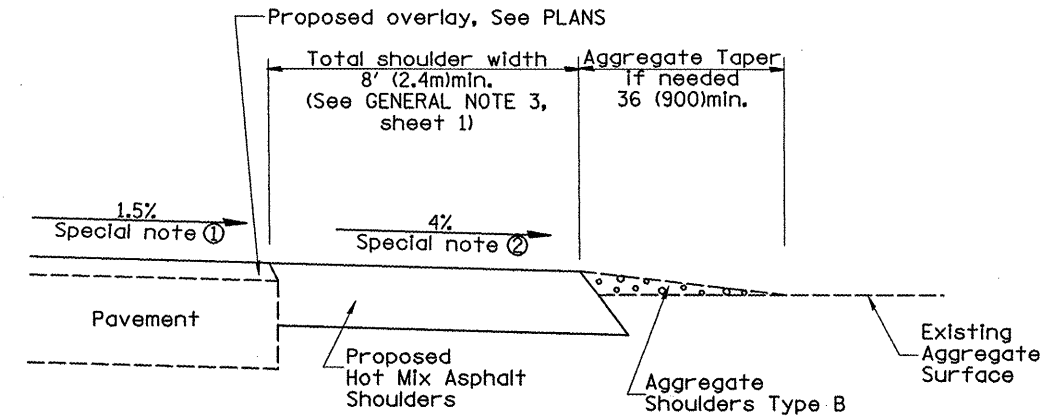
RURAL ENTRANCES FOR "3R" PROJECTS



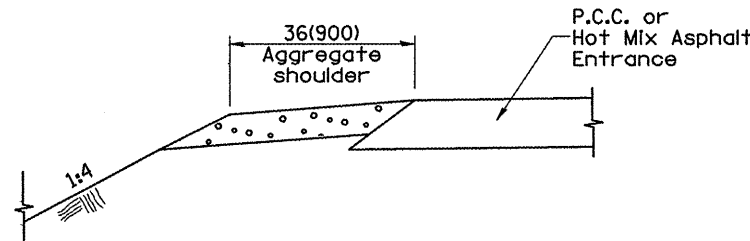
SECTION A-A
SHOULDER TREATMENT FOR AGGREGATE ENTRANCES



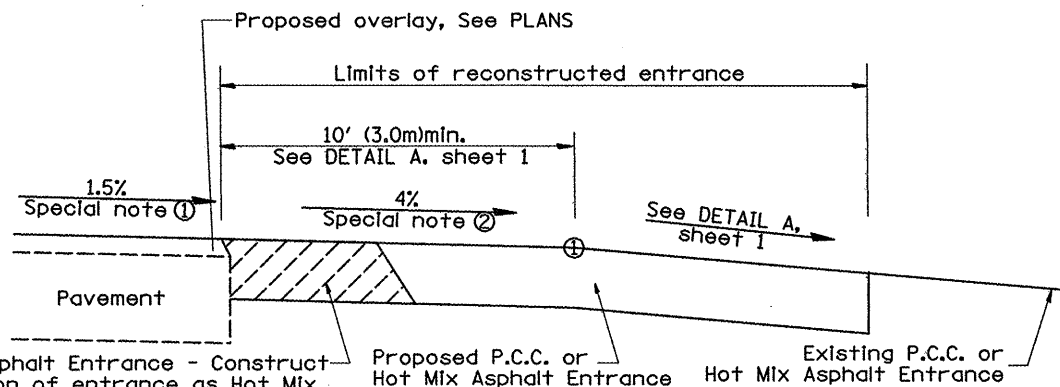
SECTION B-B
RECONSTRUCTED AGGREGATE ENTRANCE



SECTION B-B
EXISTING AGGREGATE ENTRANCE

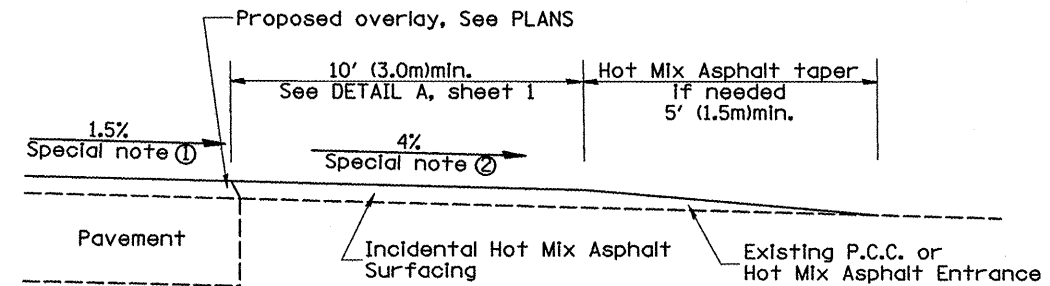


SECTION C-C
SHOULDER TREATMENT FOR P.C.C. OR HOT MIX ASPHALT ENTRANCES

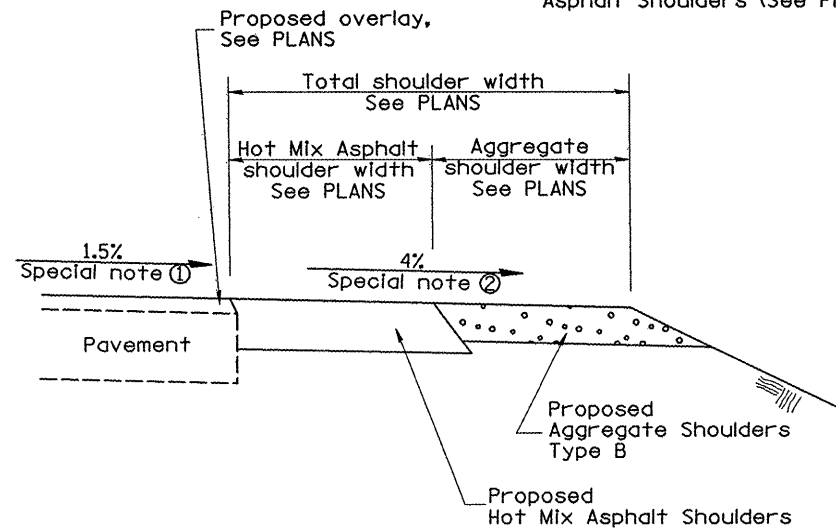


Hot Mix Asphalt Entrance - Construct this portion of entrance as Hot Mix Asphalt Shoulders (See Plan)

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

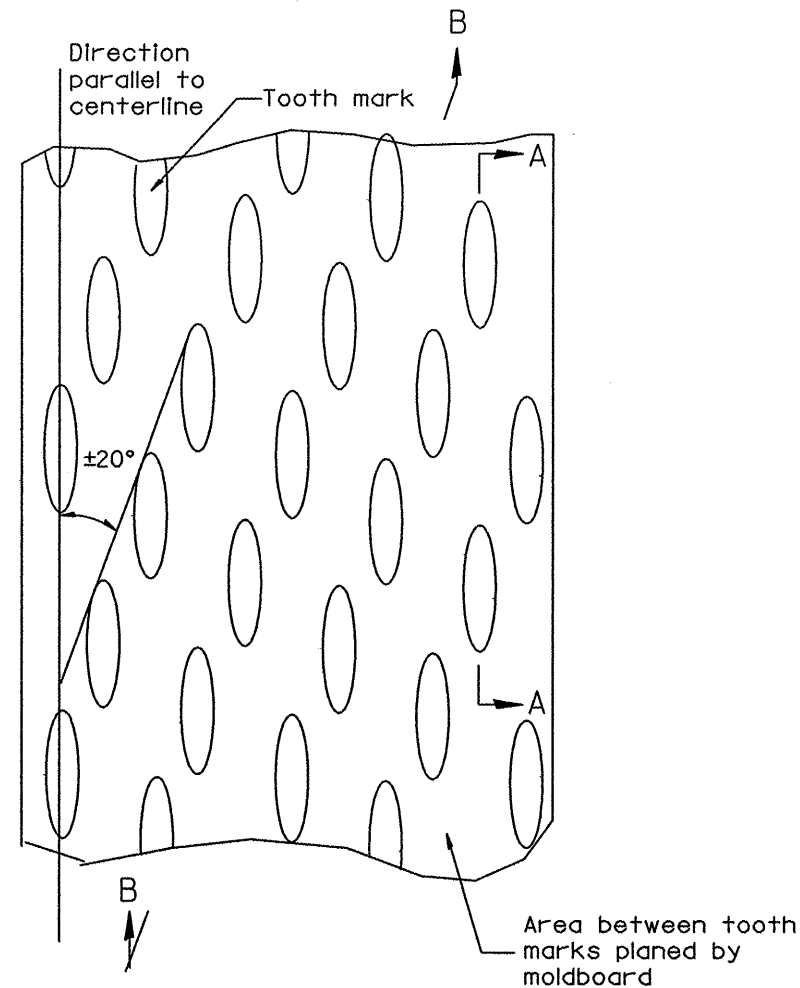
SPECIAL NOTES

- 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 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.

RURAL ENTRANCES FOR "3R" PROJECTS

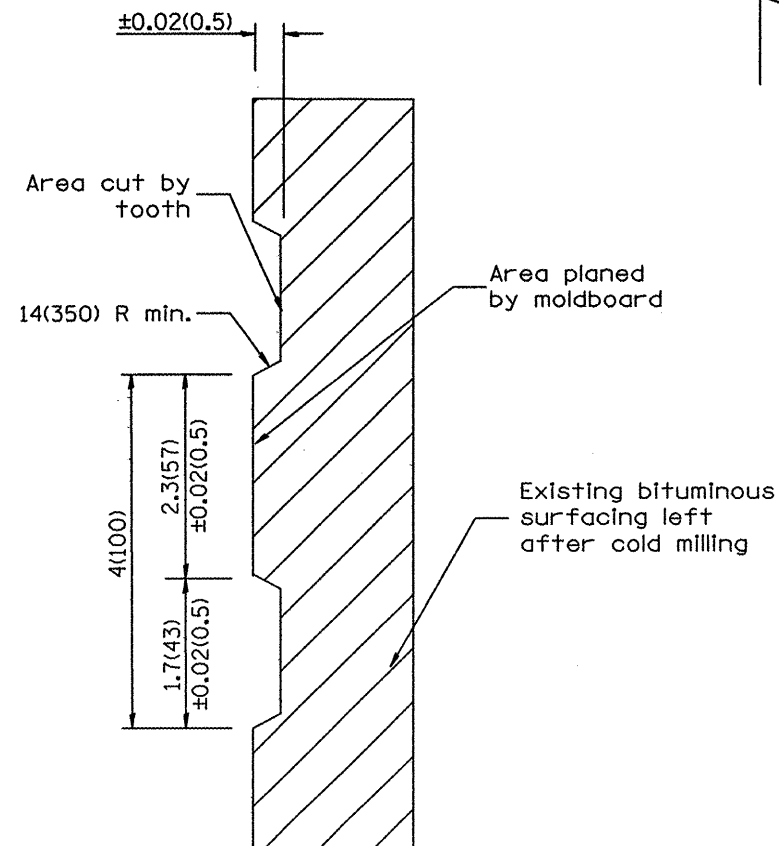
FILE NAME = ...District Standards 400.dgn	USER NAME = Plotted by new6	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS US 150 OVER LITTLE FARM CREEK		F.A.U. RTE. 6757	SECTION (105B) BR-2, (105B) BR-3	COUNTY TAZEWELL	TOTAL SHEETS 105	SHEET NO. 133	
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS	STA.	TO STA.	CONTRACT NO. 68086		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
	PLOT DATE = 7/29/2008	CHECKED -	REVISED -									
		DATE -	REVISED -									



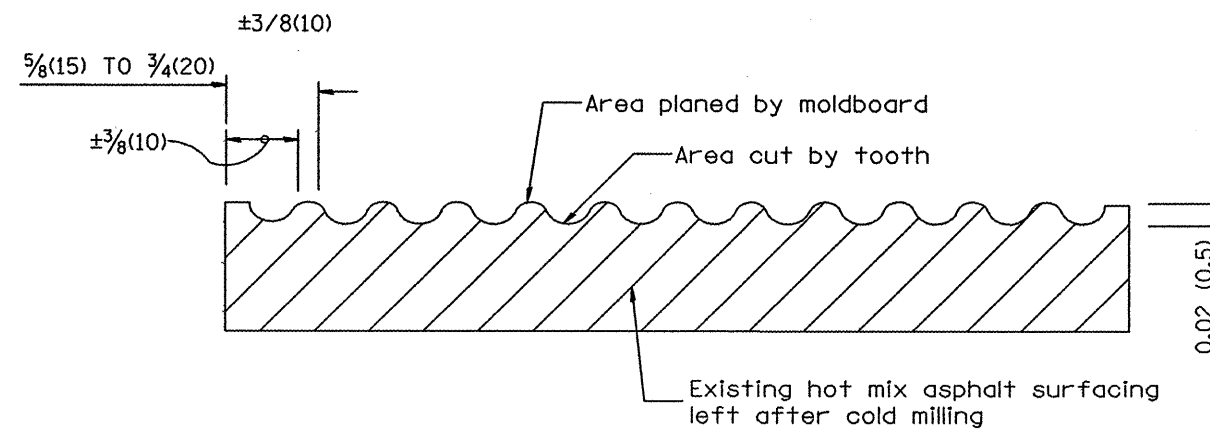
PLAN

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

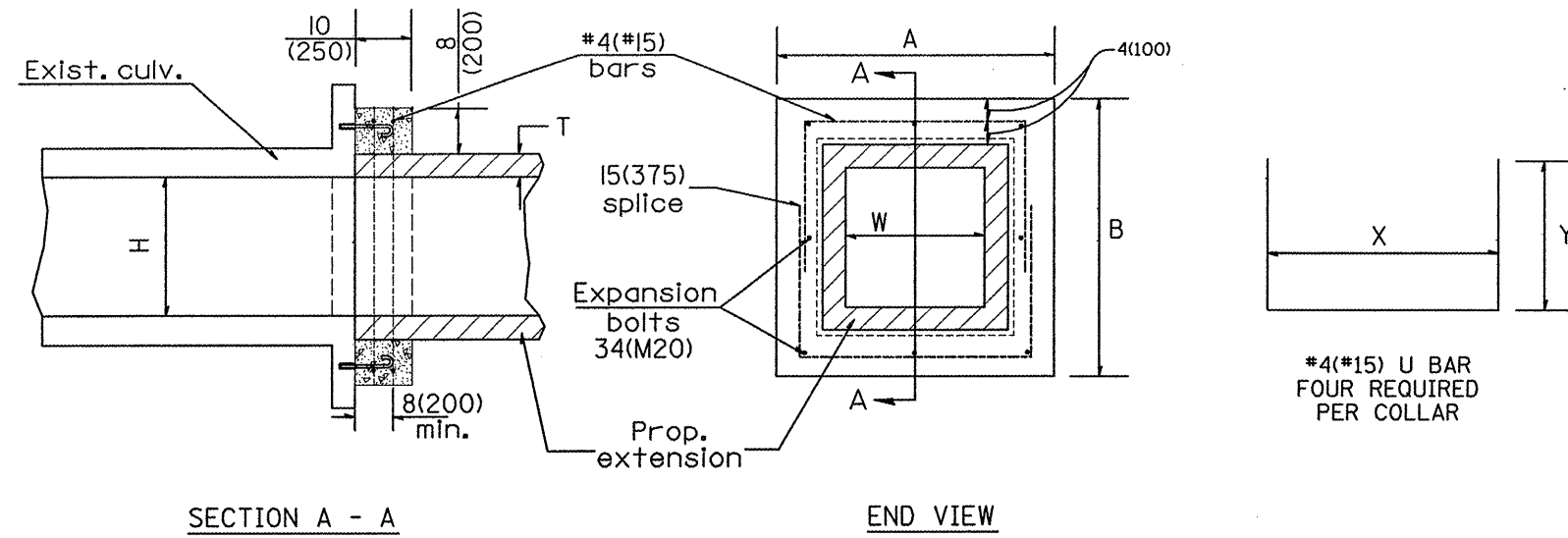
All dimensions are in inches (millimeters) unless otherwise noted.

DATE	REVISIONS	BY
1-1-97	RENUM. C-104.01, NEW REVISION BOX	T. P.
4-20-98	REMOVED MILLING DETAIL FROM STD.	J. A.
9-08-98	CORRECT NOTE LEADER PLACEMENT	R. W.
10-16-06	REVISED TO 2007 SPEC.	M.A.

DESIGNER NOTE
1. INCLUDE DISTRICT SPECIAL PROVISION, IF APPLICABLE.

HOT-MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

FILE NAME = ...District Standards 400.dgn	USER NAME = Plotted by new6	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS US 150 OVER LITTLE FARM CREEK		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS	STA.	6757	(105B) BR-2, (105B) BR-3	TAZEWELL	106	133
	PLOT DATE = 7/29/2008	CHECKED -	REVISED -			TO STA.	FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -									

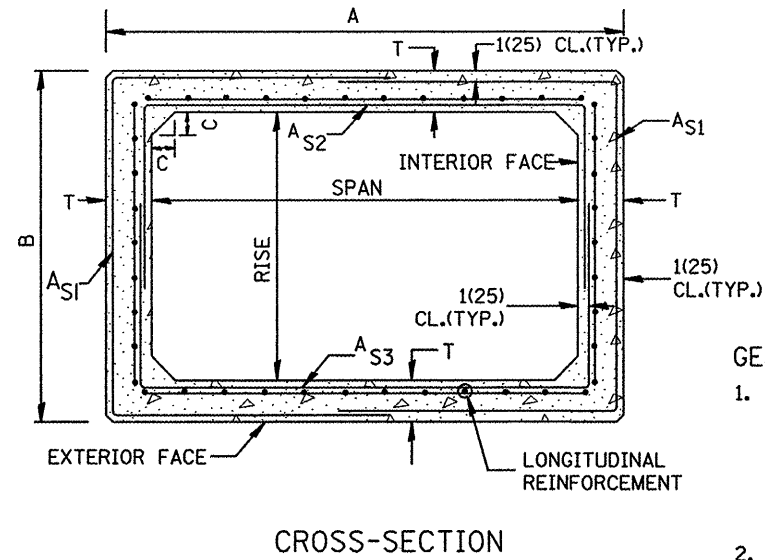
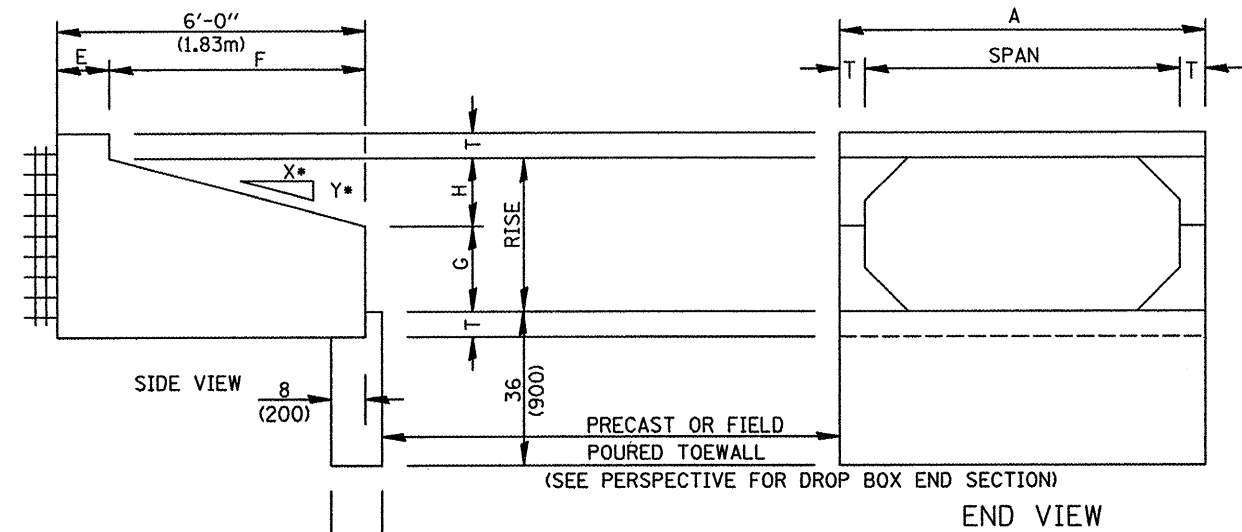


GENERAL NOTES

1. The collar shall be constructed entirely of CLASS SI CONCRETE and in accordance with the applicable portions of section 503 of the Standard Specifications. REINFORCEMENT BARS shall conform to section 508.
2. Expansion bolts shall consist of approved expansion anchors, and 3/4(M20) hook bolts which conform to Section 1006.09. These bolts shall extend at least 8(200) into the new concrete.

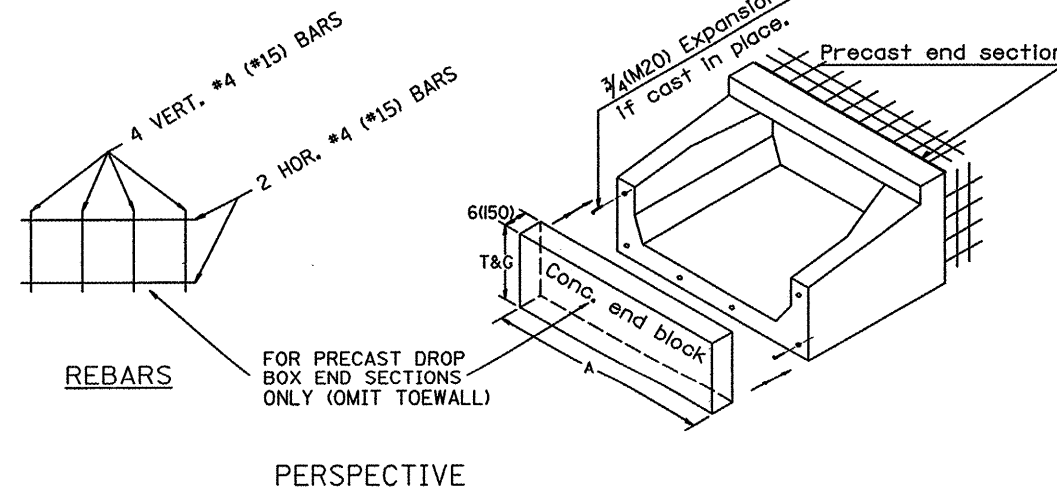
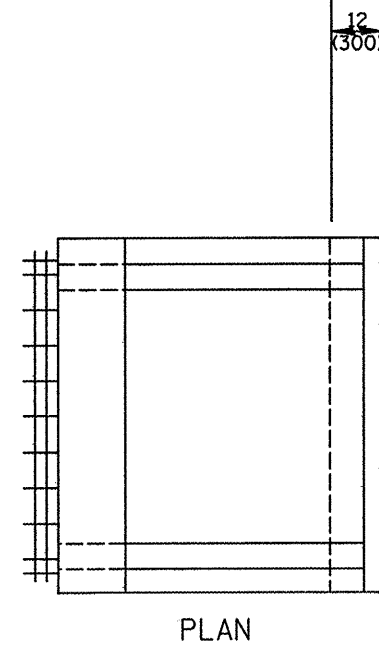
EXIST. BOX		PROP. BOX		CLASS SI CONCRETE			REBARS			EXPANSION BOLTS EACH	EXT. LENGTH		END SEC.	
W	H	W'	H'	CU. YD. (m ³)	A	B	T	X	Y		LBS. (kg)	LT.		RT.
4'-6"	3'-0"	4'-0"	4'-0"	0.90	6'-4"	6'-4"	0'-6"	5'-8"	4'-1"	37.0	8	-	10'-0"	-

PRECAST BOX CULVERT EXTENSION COLLAR



GENERAL NOTES:

1. The Box Culvert Sections shall conform to ASTM C789 for 2' (0.6 m) cover or more. If less than 2' (0.6 m) of cover exists, then ASTM C-850 applies and modify Table 'B' and drawing.
2. The Aggregate shall conform to the requirements of Articles 1003.02 and 1004.02 of the Standard Specifications. The gradation requirements do not apply.
3. The External Sealing Band shall conform to ASTM C 877. The appropriate portions of Articles 550.02(i) and 1057.01 of the Standard Specifications shall apply.
4. Shop plans for the Precast Reinforced Box Culvert Sections, End Sections and Drop Box End Sections shall be submitted in accordance with Article 540.06 of the Standard Specifications.
5. All dimensions shall be verified with the Supplier.



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

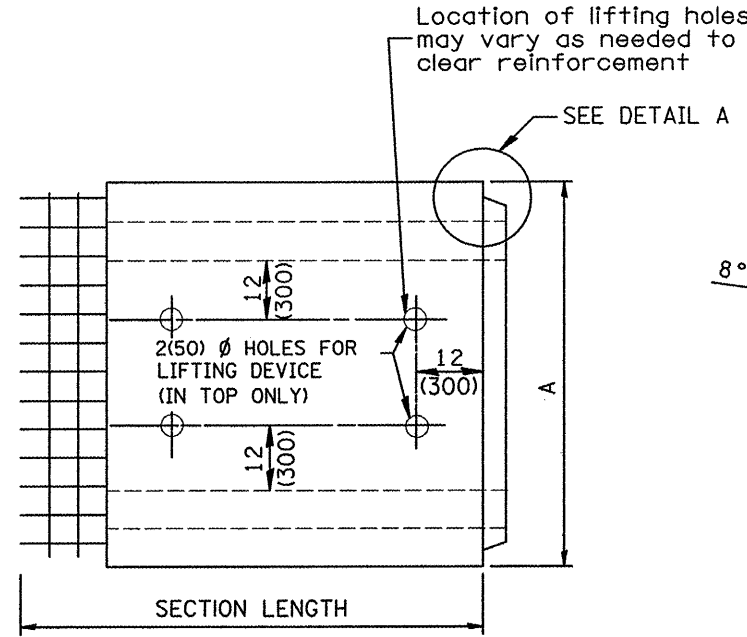
DESIGNER NOTES:
 1. INSERT DISTRICT SPECIAL PROVISION.
 2. TO BE USED IN CONJUNCTION WITH CONCRETE COLLAR.

PRECAST CONCRETE BOX CULVERTS (SPECIAL), END SECTION (SPECIAL), & DROP BOX END SECTIONS (SPECIAL)

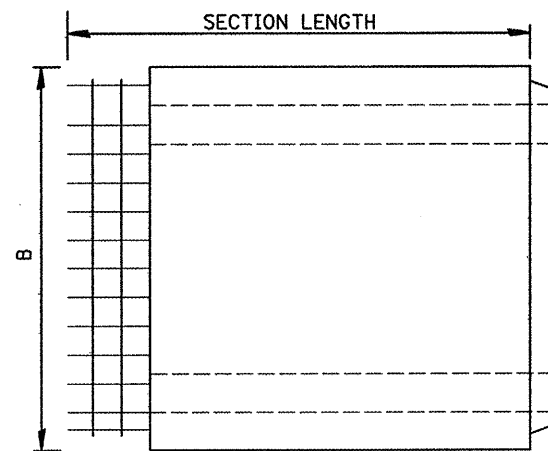
DATE	REVISIONS	BY
1-1-97	RENUM. J-12.08 AND J-12.09, NEW FORMAT, METRICS, NEW REVISION BOX, NOTES.	T.P.
5-1-97	CORRECT TITLE & GEN. NOTES	J.A.
6-17-99	CORRECT DIMENSIONS	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

FILE NAME = ...District Standards 500.dgn	USER NAME = Plotted by flin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS US 150 OVER LITTLE FARM CREEK	F.A.U. RTE. 6757	SECTION (105B) BR-2, (105B) BR-3	COUNTY TAZEWELL	TOTAL SHEETS 108	SHEET NO. 133	
PLOT SCALE = 100,0000' / IN.	CHECKED -	REVISED -	SCALE: N.T.S.			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 68086	
PLOT DATE = 10/7/2008	DATE -	REVISED -									

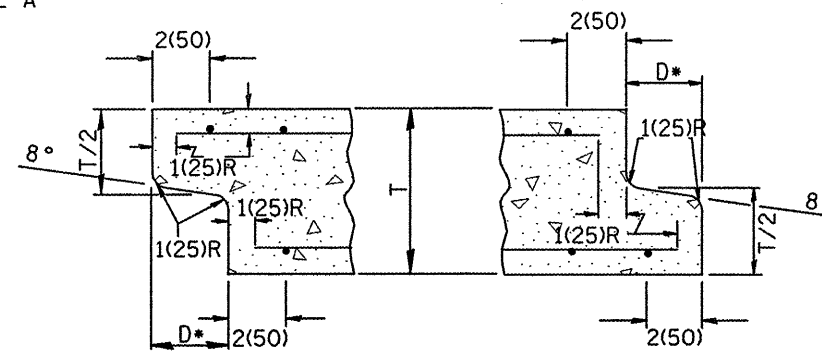
(DIMENSIONS APPLY TO END SECTION AND BOX SECTION DETAILS)



PLAN



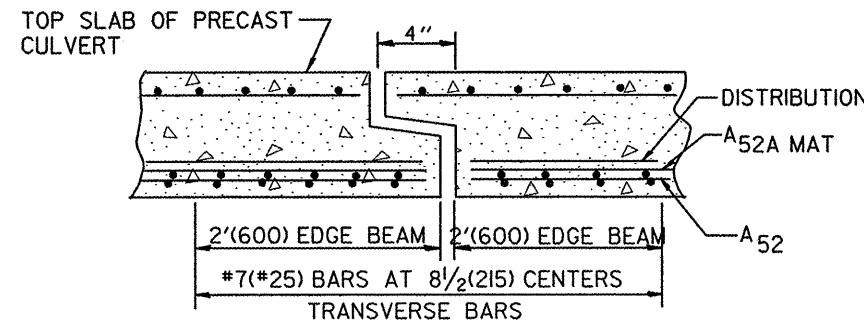
ELEVATION



DETAIL A
(TYP. INLET END) (TYP. OUTLET END)

NOTE: Inlet and outlet ends shall be compatible.

*The D dimension shall conform to the manufacturer's standards.



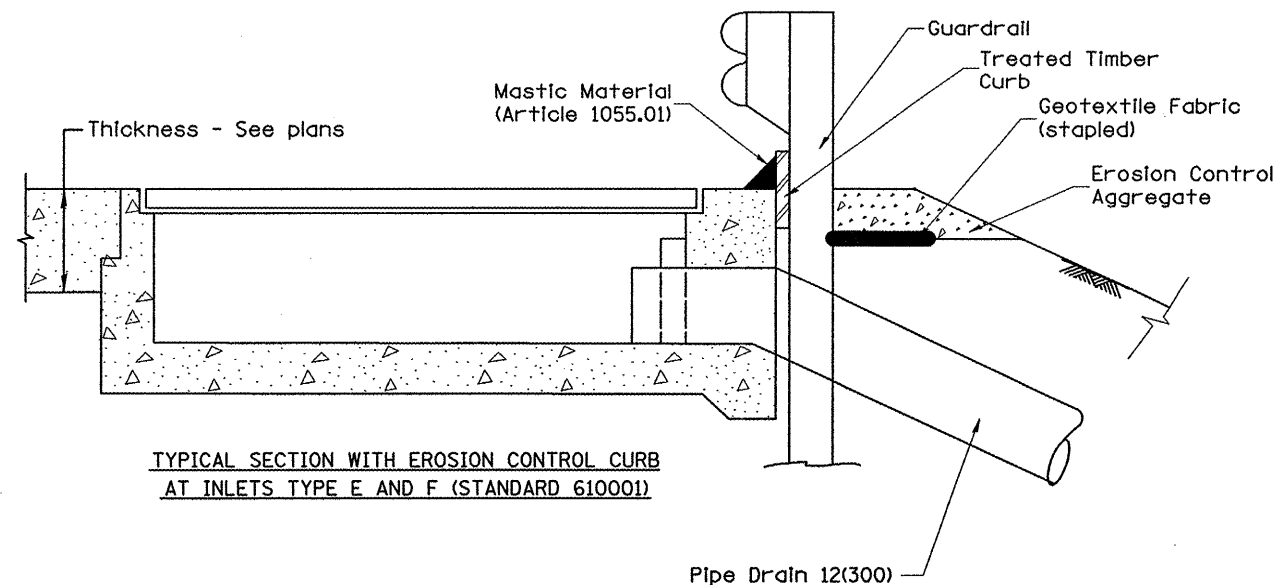
TYP. JOINT SHOWING EDGE BEAM REINFORCEMENT

NOTE: The additional Reinforcing Steel required for edge beams shall have the same length as As2A. The required area, As10, may be combined with As2 in a single mat or placed in a separate layer as shown above. The additional Steel may be Welded Wire Fabric or grade 60 Deformed Bars.

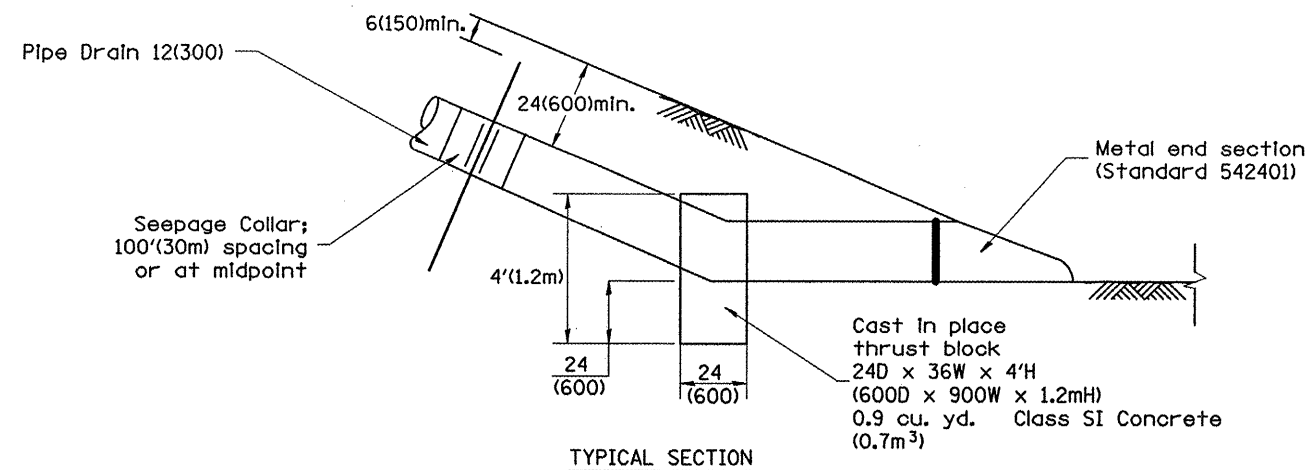
(See GENERAL NOTES on sheet 1 of 2)

SPAN X RISE ft (mm)	T In (mm)	A	B	C In (mm)	E In (mm)	F	G	H In (mm)	SLOPE (Y : X)
2x2 (600x600)	4(100)	32(815)	32(815)	4(100)	36(915)	36(915)	12(305)	12(305)	1 : 3
2x3 (600x900)	4(100)	32(815)	3'-8" (1.12m)	4(100)	24(610)	4'-0" (1.22m)	20(510)	16(410)	1 : 3
3x2 (900x600)	4(100)	3'-8" (1.12m)	32(815)	4(100)	36(915)	36(915)	12(305)	12(305)	1 : 3
3x2.5 (900x750)	4(100)	3'-8" (1.12m)	38(965)	4(100)	30(760)	3'-6" (1.07m)	16(410)	14(355)	1 : 3
3x3 (900x900)	4(100)	3'-8" (1.12m)	3'-8" (1.12m)	4(100)	24(610)	4'-0" (1.22m)	20(510)	16(410)	1 : 3
4x2 (1200x600)	5(125)	4'-10" (1.48m)	34(865)	5(125)	36(915)	36(915)	12(305)	12(305)	1 : 3
4x3 (1200x900)	5(125)	4'-10" (1.48m)	3'-10" (1.17m)	5(125)	24(610)	4'-0" (1.22m)	20(510)	16(410)	1 : 3
4x4 (1200x1200)	5(125)	4'-10" (1.48m)	4'-10" (1.48m)	5(125)	24(610)	4'-0" (1.22m)	24(610)	24(610)	1 : 2
4x5 (1200x1500)	5(125)	4'-10" (1.48m)	5'-10" (1.78m)	5(125)	24(610)	4'-0" (1.22m)	36(915)	24(610)	1 : 2
4x6 (1200x1800)	5(125)	4'-10" (1.48m)	6'-10" (2.09m)	5(125)	24(610)	4'-0" (1.22m)	4'-0" (1.22m)	4'-0" (1.22m)	1 : 2
5x2 (1500x600)	6(150)	6'-0" (1.83m)	36(915)	6(150)	36(915)	36(915)	12(305)	12(305)	1 : 3
5x3 (1500x900)	6(150)	6'-0" (1.83m)	4'-0" (1.22m)	6(150)	24(610)	4'-0" (1.22m)	20(510)	16(410)	1 : 3
5x4 (1500x1200)	6(150)	6'-0" (1.83m)	5'-0" (1.52m)	6(150)	24(610)	4'-0" (1.22m)	24(610)	24(610)	1 : 2
5x5 (1500x1500)	6(150)	6'-0" (1.83m)	6'-0" (1.83m)	6(150)	24(610)	4'-0" (1.22m)	36(915)	24(610)	1 : 2
6x2 (1800x600)	7(175)	7'-2" (2.17m)	38(965)	7(175)	36(915)	36(915)	12(305)	12(305)	1 : 3
6x3 (1800x900)	7(175)	7'-2" (2.17m)	4'-2" (1.27m)	7(175)	24(610)	4'-0" (1.22m)	20(510)	16(410)	1 : 3
6x4 (1800x1200)	7(175)	7'-2" (2.17m)	5'-2" (1.57m)	7(175)	24(610)	4'-0" (1.22m)	24(610)	24(610)	1 : 2
6x5 (1800x1500)	7(175)	7'-2" (2.17m)	6'-2" (1.88m)	7(175)	24(610)	4'-0" (1.22m)	36(915)	24(610)	1 : 2
6x6 (1800x1800)	7(175)	7'-2" (2.17m)	7'-2" (2.17m)	7(175)	24(610)	4'-0" (1.22m)	4'-0" (1.22m)	24(610)	1 : 2
7x4 (2100x1200)	8(200)	8'-4" (2.54m)	5'-4" (1.63m)	8(200)	24(610)	4'-0" (1.22m)	24(610)	24(610)	1 : 2
7x5 (2100x1500)	8(200)	8'-4" (2.54m)	6'-4" (1.93m)	8(200)	24(610)	4'-0" (1.22m)	36(915)	24(610)	1 : 2
7x6 (2100x1800)	8(200)	8'-4" (2.54m)	7'-4" (2.24m)	8(200)	24(610)	4'-0" (1.22m)	4'-0" (1.22m)	24(610)	1 : 2
7x7 (2100x2100)	8(200)	8'-4" (2.54m)	8'-4" (2.54m)	8(200)	24(610)	4'-0" (1.22m)	5'-0" (1.52m)	24(610)	1 : 2
8x4 (2400x1200)	8(200)	9'-4" (2.84m)	5'-4" (1.63m)	8(200)	24(610)	4'-0" (1.22m)	24(610)	24(610)	1 : 2
8x5 (2400x1500)	8(200)	9'-4" (2.84m)	6'-4" (1.93m)	8(200)	24(610)	4'-0" (1.22m)	36(915)	24(610)	1 : 2
8x6 (2400x1800)	8(200)	9'-4" (2.84m)	7'-4" (2.24m)	8(200)	24(610)	4'-0" (1.22m)	4'-0" (1.22m)	24(610)	1 : 2
9x5 (2700x1500)	9(225)	10'-6" (3.2m)	6'-6" (1.98m)	9(225)	24(610)	4'-0" (1.22m)	36(915)	24(610)	1 : 2
9x6 (2700x1800)	9(225)	10'-6" (3.2m)	7'-6" (2.29m)	9(225)	24(610)	4'-0" (1.22m)	4'-0" (1.22m)	24(610)	1 : 2

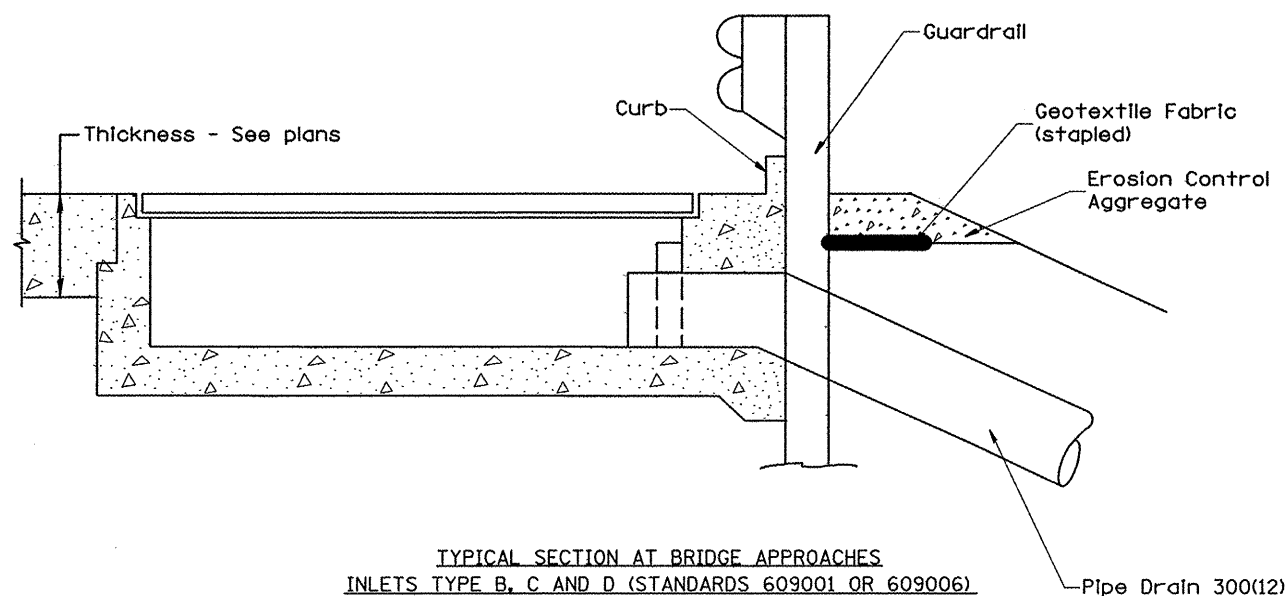
All dimensions are in inches (millimeters) unless otherwise noted.



TYPICAL SECTION WITH EROSION CONTROL CURB AT INLETS TYPE E AND F (STANDARD 610001)



TYPICAL SECTION



TYPICAL SECTION AT BRIDGE APPROACHES INLETS TYPE B, C AND D (STANDARDS 609001 OR 609006)

GENERAL NOTES

1. The material for Pipe Drains shall be bituminous coated galvanized corrugated steel culvert pipe or bituminous coated corrugated aluminum alloy pipe in accordance with Article 601.02(f) or 601.02(i).
2. An approved mastic material (Article 1055.01) shall be applied to the inside of the connecting bands.

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

DATE	REVISIONS	BY
1-1-97	RENUM. H-1.04, NEW REVISION BOX, REVISED TITLE BOX, REVISED DESIGNER NOTES, ADDED QUANTITY CALCULATION BOX	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

SLOPE DRAIN DETAILS FOR BURIED PIPES

QUANTITIES

CALC. BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____

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

FILE NAME = ...N:\District Standards 601-602.dgn

USER NAME = Plotted by new6	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -
PLOT DATE = 7/29/2008	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

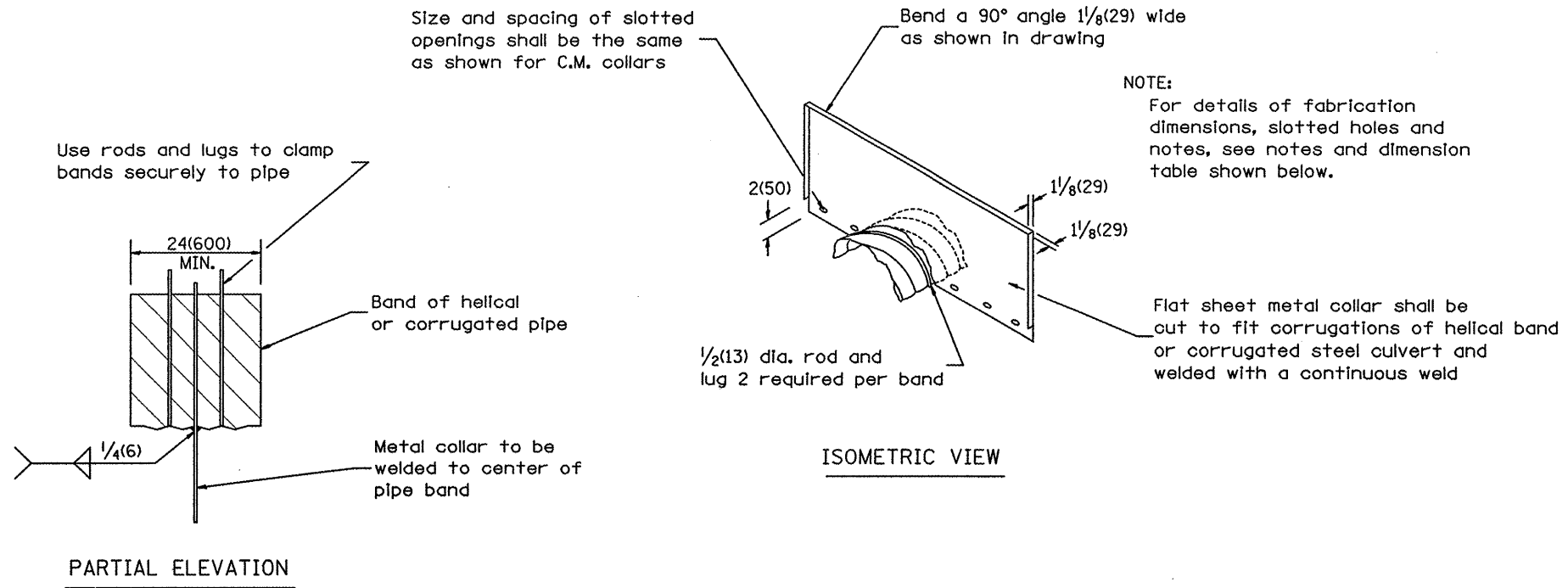
DISTRICT STANDARDS
US 150 OVER LITTLE FARM CREEK

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6757	(105B) BR-2, (105B) BR-3	TAZEWELL	110	133
CONTRACT NO. 68086				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DESIGNER NOTE:
 1. INCLUDE STATE STANDARD 542401.
 2. INCLUDE STATE STANDARDS 609001, 609006 OR 610001, IF APPLICABLE
 3. INCLUDE DISTRICT CADD STANDARDS FOR "GUARDRAIL EROSION CONTROL TREATMENTS", "SEEPAGE COLLARS FOR BURIED PIPES", AND "PIPE ELBOW"

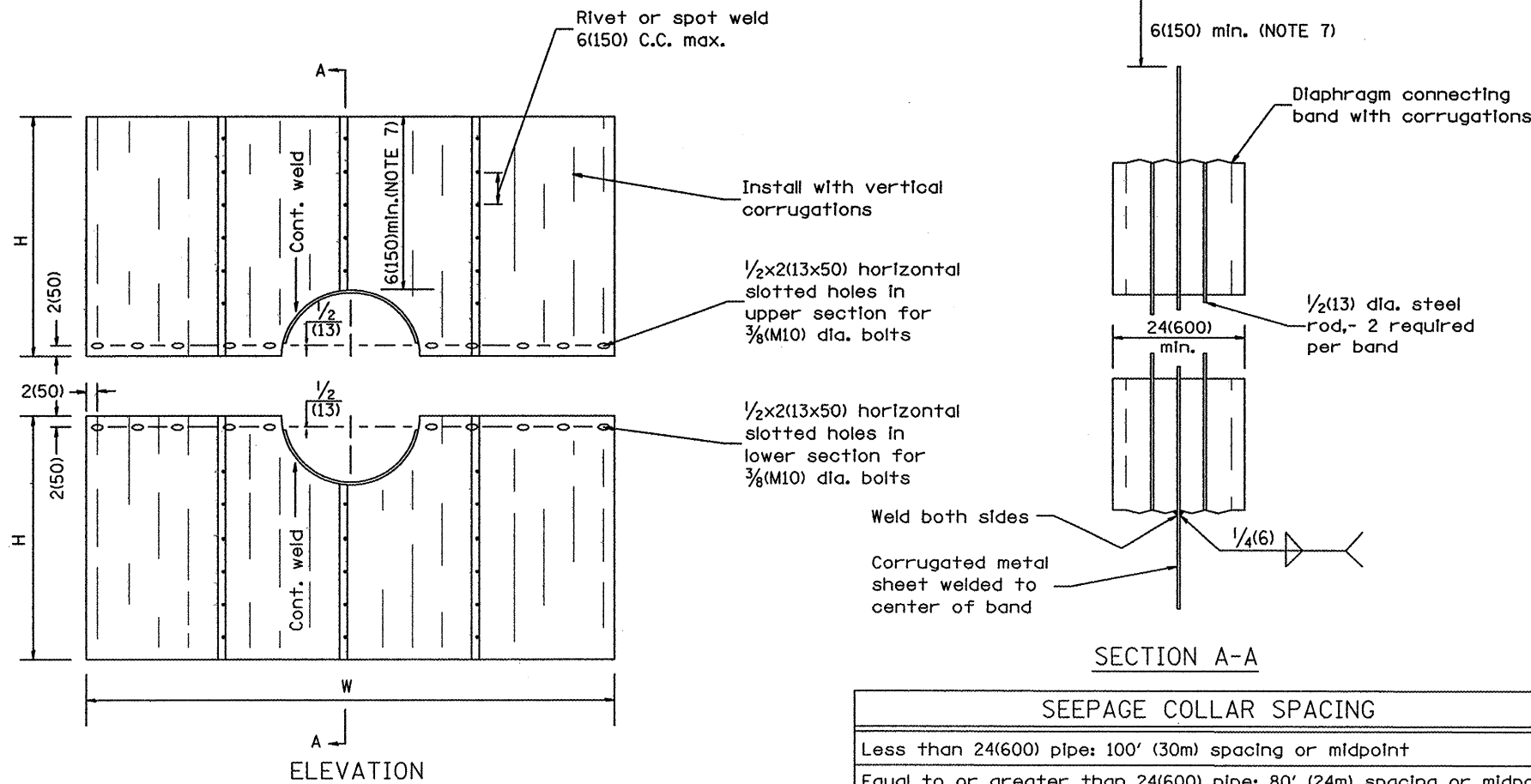
DESIGNER NOTES:
 1. USE WITH DISTRICT CADD STANDARD: "SLOPE DRAIN FOR BURIED PIPES"
 2. ADD DISTRICT SPECIAL PROVISION.



NOTES FOR COLLARS:

1. Materials and coatings for all collars shall be the same as that specified for the pipe.
2. Collars shall be shop fabricated, assembled and marked by painting to identify matching half sections of each collar.
3. The laps between the half sections and between the pipe and connecting bands shall be caulked with fiberized asphalt mastic at the time of installation.
4. All tank lugs, rods, and nuts shall be galvanized steel. Where aluminum collars are used, The rods and lugs shall be separated from the aluminum bands. By at least two (2) layers of 2(50) wide plastic tape with a total thickness of 2 1/4 mils or more.
5. The collars shall be welded to the connecting bands as shown on the drawings, all welds shall be treated as specified for class I, II, and III welds, miscellaneous. (Refer to AWS Standard Specifications)
6. Bands shall be fabricated from material having the same class of corrugations as the pipe to which it is to be attached.
7. Upper half of sheet may be cut shorter to provide 6(150) min. earth cover.

DETAILS OF CORRUGATED PIPE COLLAR



SEEPAGE COLLAR DIMENSION TABLE

PIPE DIAMETER	NOMINAL COLLAR SIZE	FABRICATIONS DIMENSIONS	
		W(WIDTH)	H(HEIGHT)
12(300) 15(375), 18(450) 21(525), 24(600)	8'x6' (2.4m x 1.8m)	8'-0" (2.44m)	38(966)
27(675) 30(750)	8'x7' (2.4m x 2.1m)	8'-0" (2.44m)	3'-8" (1.12m)
36(900), 42(1050) 48(1200)	10'x7' (3.0m x 2.1m)	10'-0" (3.05m)	3'-8" (1.12m)

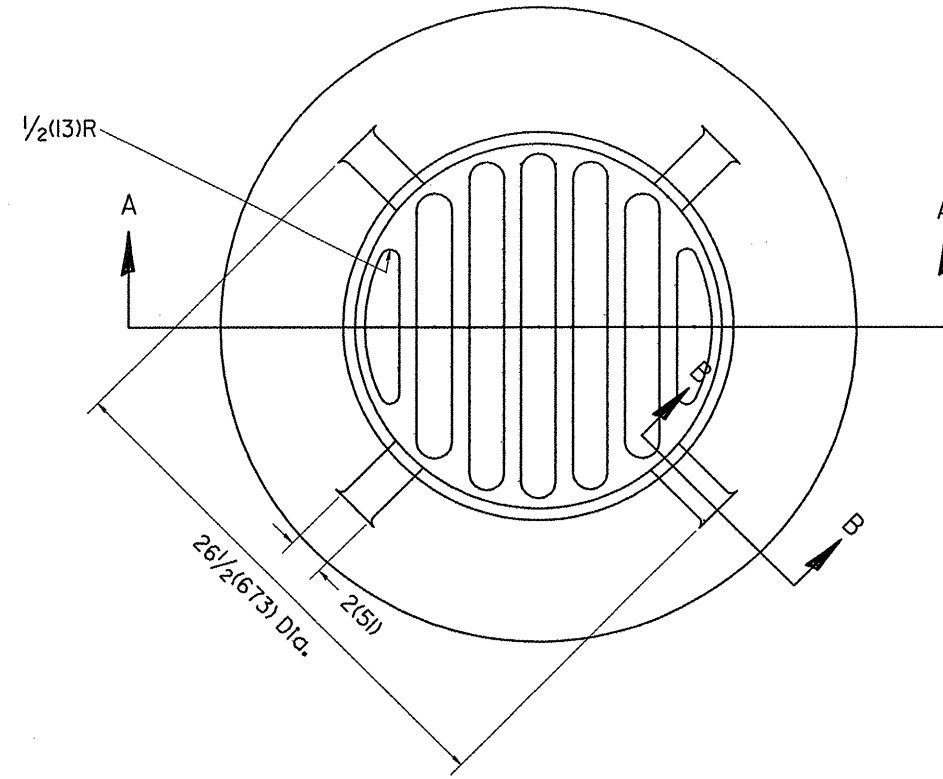
Collar dimensions shown may be increased to allow fabrication from standard size sheets.

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

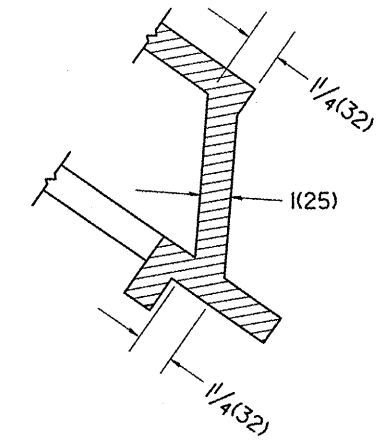
DATE	REVISIONS	BY
1-1-97	RENUM. J-10.02, NEW REVISION BOX, REVISED TITLE BOX, REVISED DESIGNER	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

DETAILS OF SEEPAGE COLLAR

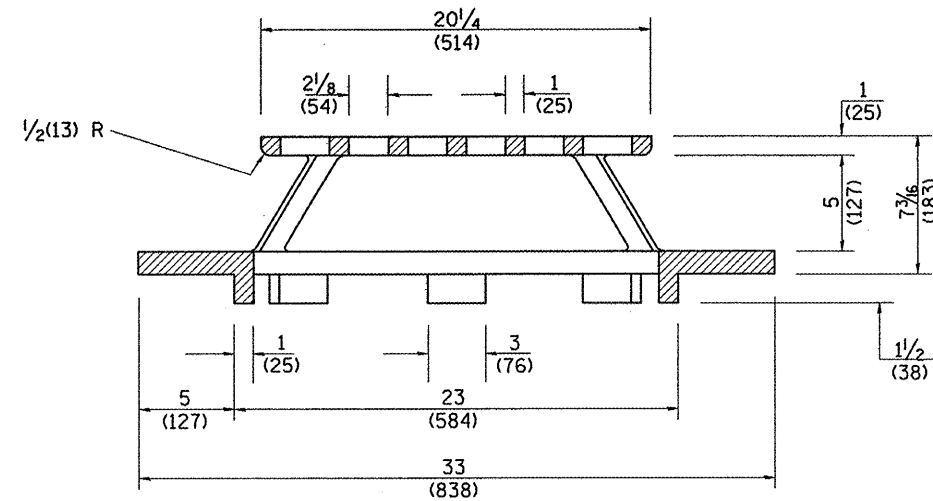
DETAILS OF SEEPAGE COLLAR FOR BURIED PIPES



PLAN



SECTION B - B



SECTION A - A

TYPE 37 GRATE

GENERAL NOTES

- 1. MATERIAL - Cast Gray Iron
Weight 209 lbs (95 kg)

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

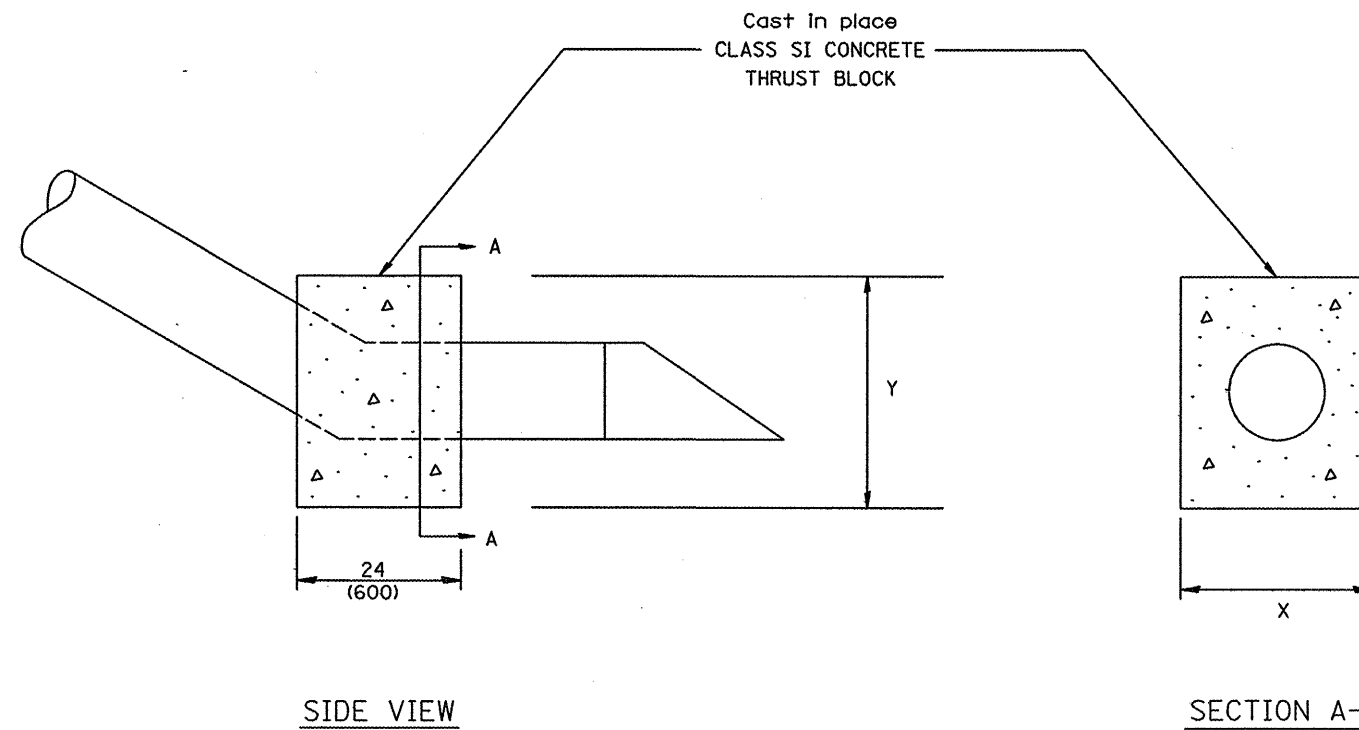
DATE	REVISIONS	BY
1-1-97	RENUM. B-10.02, NEW REVISION BOX	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

DESIGNER NOTE: 1. INCLUDE DISTRICT SPECIAL PROVISION.

FILE NAME = ...District Standards 604-611.dgn	USER NAME = Plotted by new6	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS US 150 OVER LITTLE FARM CREEK	F.A.U. RTE. 6757	SECTION (105B) BR-2, (105B) BR-3	COUNTY TAZEWELL	TOTAL SHEETS 112	SHEET NO. 133
PLOT SCALE = 100.0000 "/>										

CONCRETE THRUST BLOCK
BILL OF MATERIALS

PIPE SIZE	X	Y	CLASS SI CONCRETE cu. yd. (m ³)
12(300)	24(600)	24(600)	0.2(0.2)
15(375)	27(675)	27(675)	0.3(0.2)
18(450)	30(750)	30(750)	0.3(0.2)
24(600)	36(900)	36(900)	0.4(0.3)
30(750)	3'-6" (1.07m)	3'-6" (1.07m)	0.8(0.6)



The contract unit price each for CONCRETE THRUST BLOCK shall include the cost of excavation, CLASS SI CONCRETE and compacted backfill.

DESIGNER NOTES:
1. A THRUST BLOCK SHALL BE INSTALLED WHEN THE DIFFERENCE BETWEEN THE UPSTREAM AND DOWNSTREAM INVERT ELEVATIONS EXCEEDS 36(900) AND GRADE EXCEEDS 10%.
2. USE WITH DISTRICT CADD STANDARDS: "DITCH CHECK, IF NEEDED. DO NOT USE WITH DISTRICT CADD STANDARDS: "SLOPE DRAIN DETAILS FOR BURIED PIPE" "SLOPE DRAIN DETAILS FOR EXPOSED PIPE".

QUANTITIES

CALC. BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____

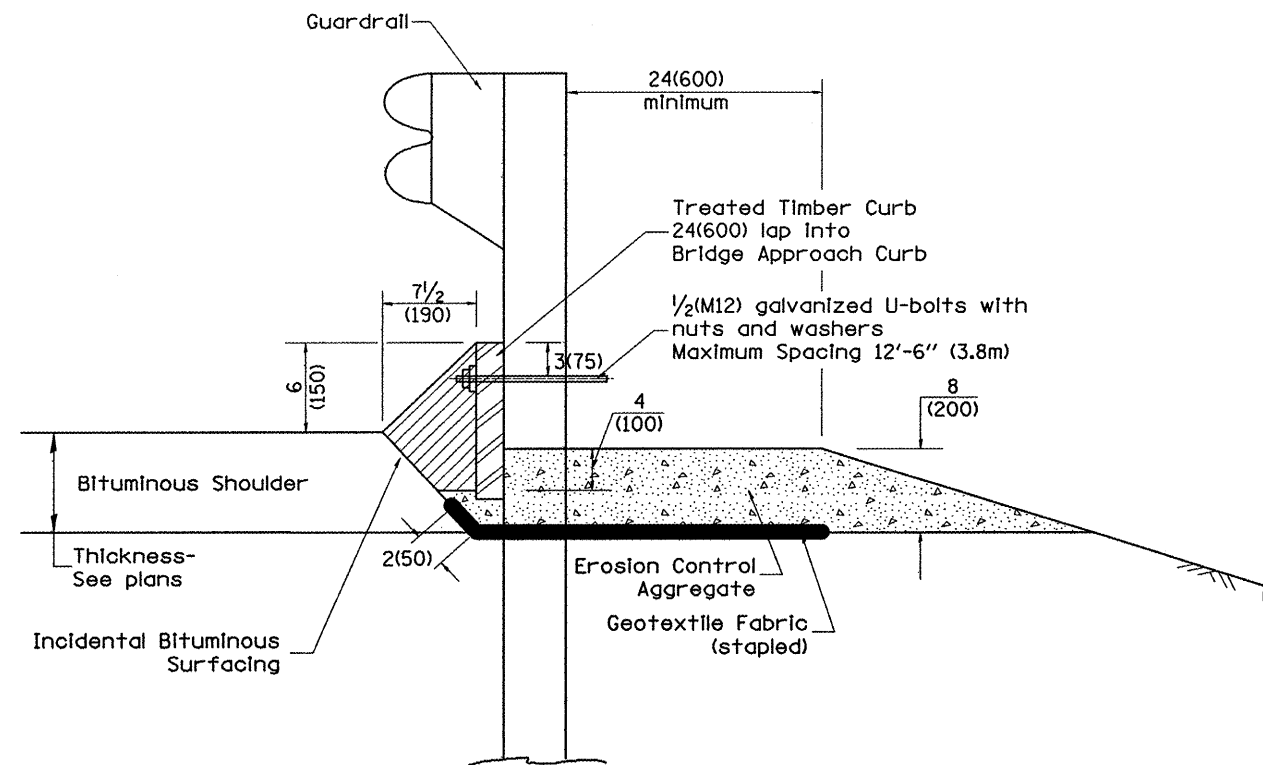
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

CONCRETE THRUST BLOCKS

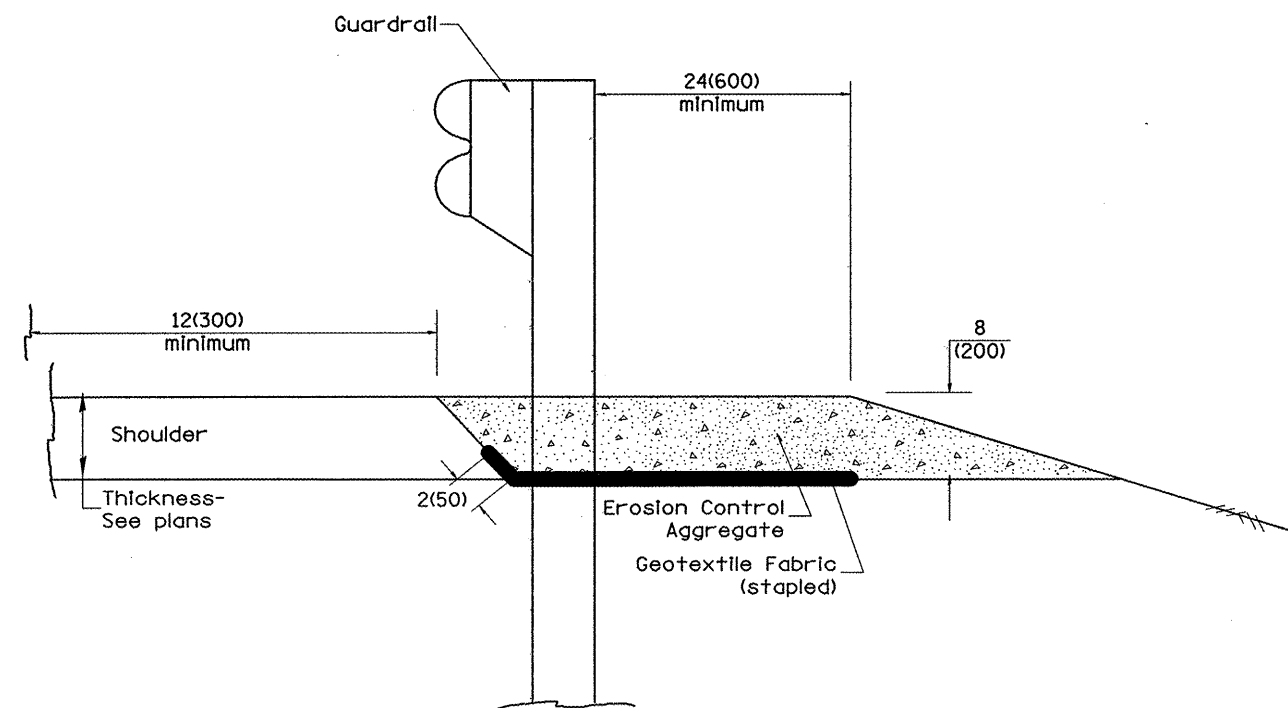
All dimensions are in inches (millimeters) unless otherwise noted.

DATE	REVISIONS	BY
1-1-97	RENUM. J-10.04, NEW REVISION BOX, ADDED QUANTITY CALCULATION BOX.	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6757	(105B) BR-2, (105B) BR-3	TAZEWELL	113	133
CONTRACT NO. 68086				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



TYPICAL SECTION WITH EROSION CONTROL CURB



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: EROSION CONTROL CURB

1. This work shall consist of grading as needed, installing hardware and treated timber boards, furnishing and placing mastic material and incidental bituminous surfacing in front of Steel Plate Beam Guardrail in accordance with Plan Details.
2. Timber shall be treated in accordance with Article 1007.12. All preservatives specified in the article will be allowed. Waterborne preservatives "asa" and "cca" shall have a minimum retention of 0.40 lbs./cu. ft. (6.4 kg/m³)

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.

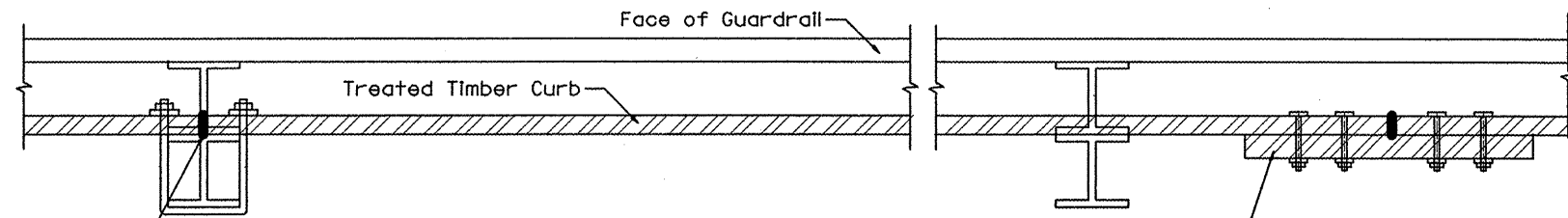
All dimensions are in Inches (millimeters) unless otherwise noted.

DATE	REVISIONS	BY
1-1-97	RENUM. C-22.01. NEW REVISION BOX	T.P.
3-1-97	CORRECT STD. NUMBERS IN NOTES PG. 2	J.A.
11-3-00	CORRECTION TO NOTES	M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

GUARDRAIL EROSION CONTROL TREATMENTS

DESIGNER NOTE: 1. Use EROSION CONTROL CURB at guardrail installations where grades are equal to or greater than 1% and at inlets. (Include District Special Provision)
 2. Use GUARDRAIL AGGREGATE EROSION CONTROL at guardrail installations where grades are less than 1% (Include District Special Provision)
 3. Include State Standards 609001, 609006 or 61001 if applicable.
 4. Include the following District Cadd Standards as needed: Slope Drains for Exposed Pipes; Slope Drains for Burled Pipes; Seepage Collars for Burled Pipe Elbow.
 5. Include District Special Provision "Aggregate Quality" for projects located in the Western Area of the District - approx. dividing line is IL 97.

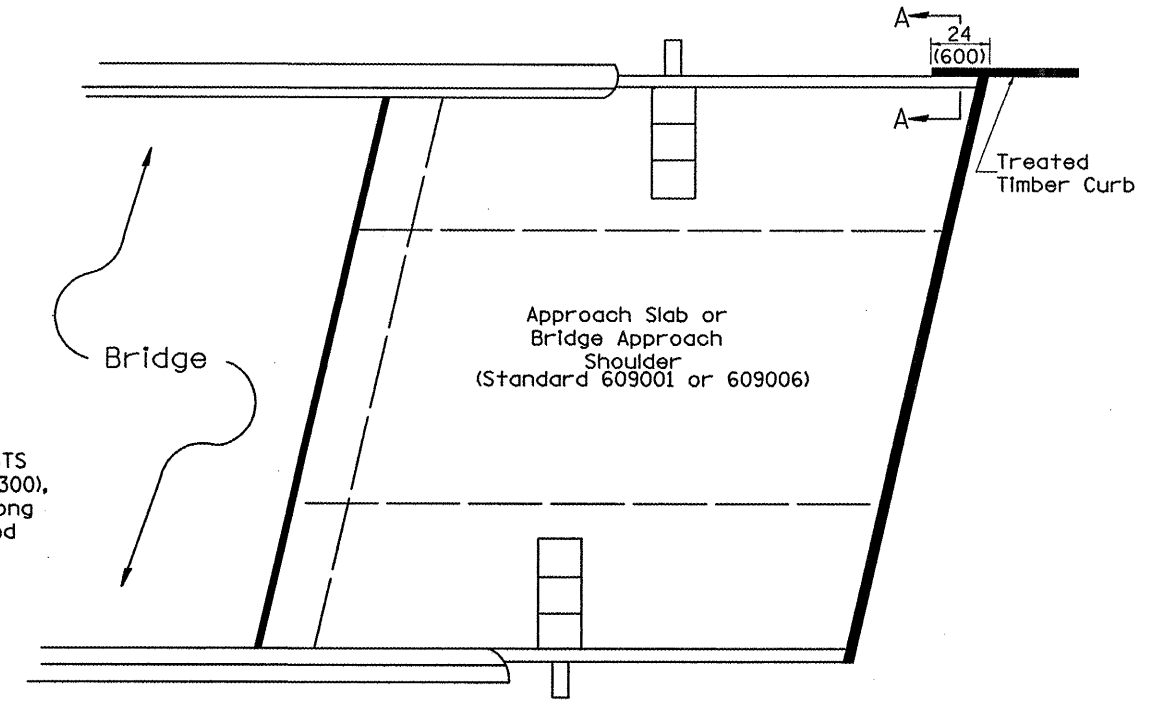
FILE NAME = ...District Standards 630-667.dgn	USER NAME = Plotted by new6	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS US 150 OVER LITTLE FARM CREEK	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			6757	(105B) BR-2, (105B) BR-3	TAZEWELL	114	133	
		PLOT SCALE = 100.0000' / IN.	CHECKED -			REVISED -	CONTRACT NO. 68086				
		PLOT DATE = 7/29/2008	DATE -			REVISED -	ILLINOIS FED. AID PROJECT				
						SCALE: N.T.S.	SHEET NO. OF SHEETS	STA.	TO STA.		



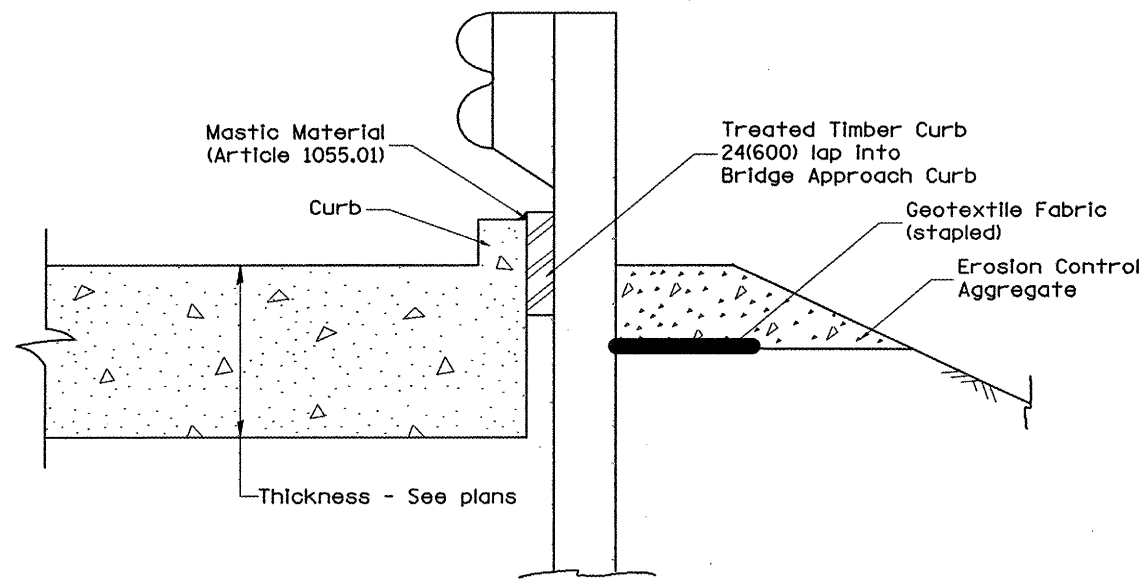
SPLICE LOCATED AT GUARDRAIL POST
1/2(M12) galvanized U-bolt with
nut & washer

SPLICE LOCATED BETWEEN GUARDRAIL POSTS
treated timber splice plate 2x12 (50x300),
actual size 1 1/2x1 1/2 (40x290), 24(600) long
with 8 evenly spaced 1/2(M12) galvanized
bolts with nuts & washers.

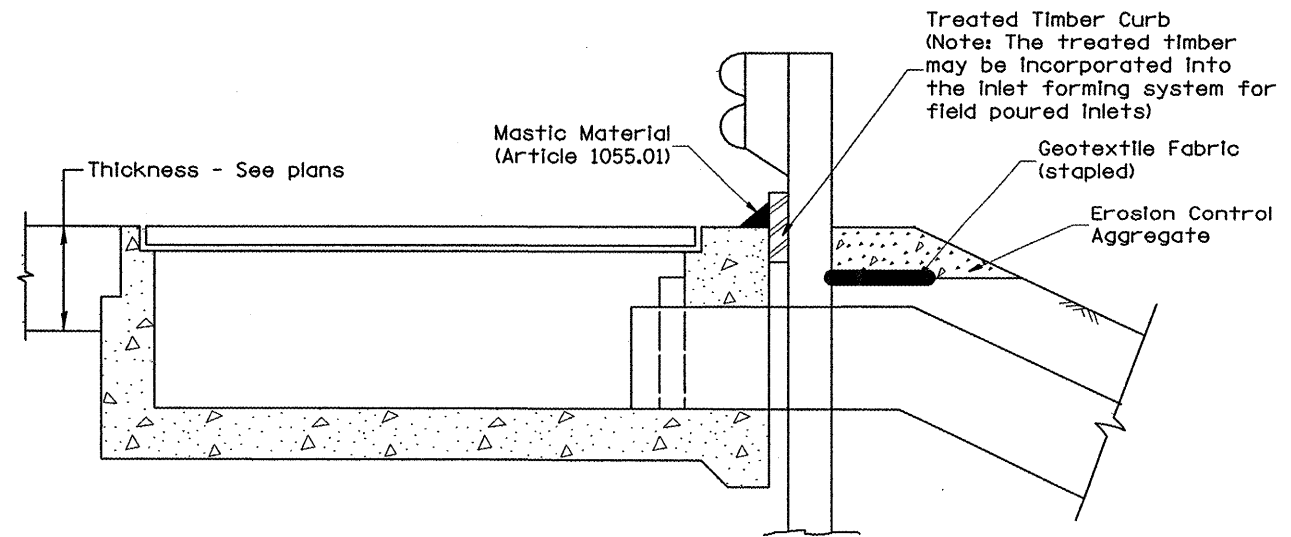
DETAIL A
(Typical Treated Timber Splices)



PLAN VIEW
APPROACH SLAB OR BRIDGE APPROACH SHOULDER
(STANDARD 609001 or 609006)



SECTION A-A
TYPICAL SECTION WITH EROSION CONTROL CURB
AT BRIDGE APPROACH CURB
(STANDARD 609001 OR 609006)

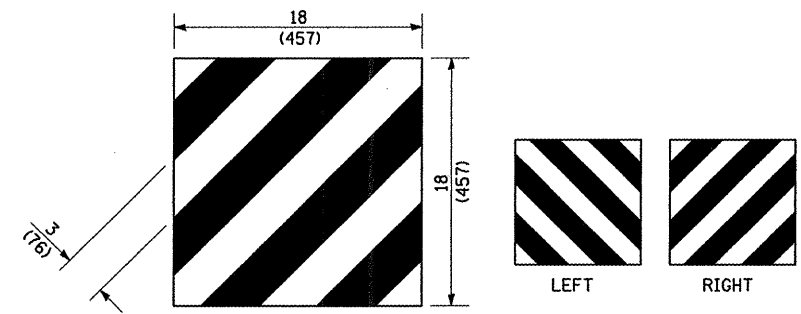


TYPICAL SECTION WITH EROSION CONTROL CURB
AT INLETS TYPE E & F (STANDARD 610001)

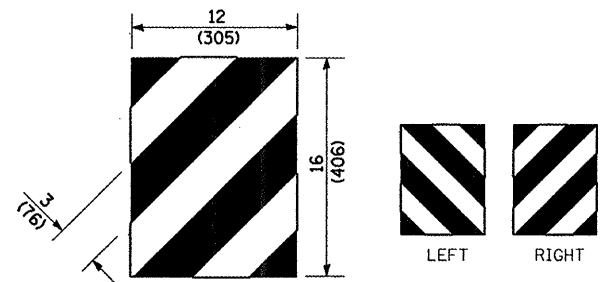
GUARDRAIL EROSION CONTROL TREATMENTS

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

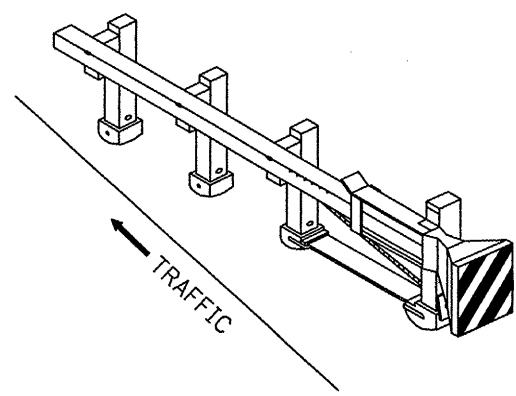
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	PLOT SCALE = 100.0000 "/ IN.	DRAWN -	REVISED -				6757	(105B) BR-2, (105B) BR-3	TAZEWELL	115	133
PLOT DATE = 7/29/2008	CHECKED -	DATE -	REVISED -	SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 68086				
							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



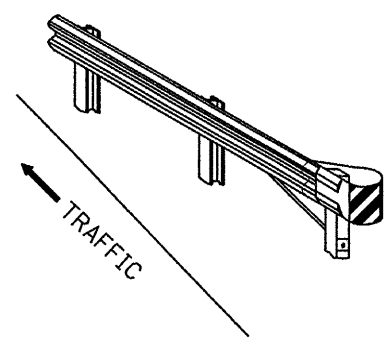
For Traffic Barrier Terminal Type 1 (Special)



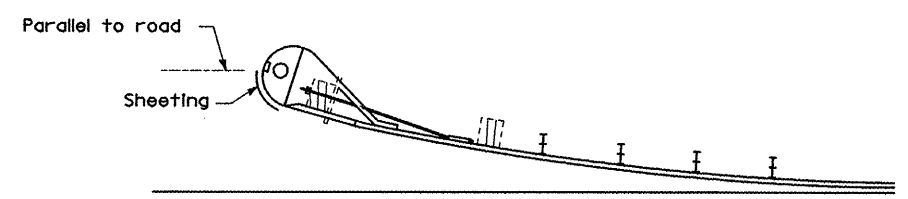
For Traffic Barrier Terminal Type (*) and Post Mount
* See Plans for Type



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



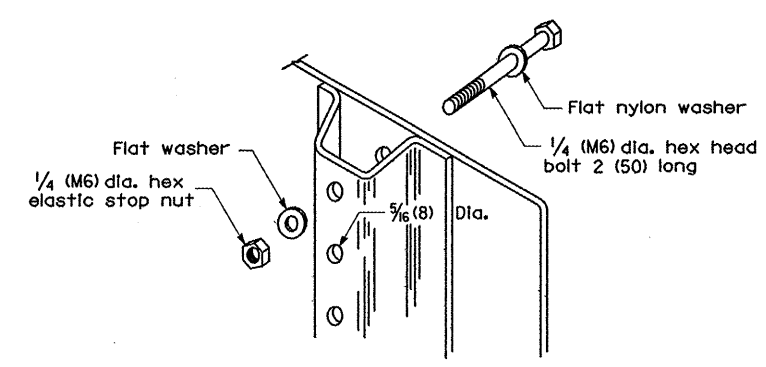
Standard Treatment - Direct Applied Sheeting
Traffic Barrier Terminal Type (*)
* See Plans for Type



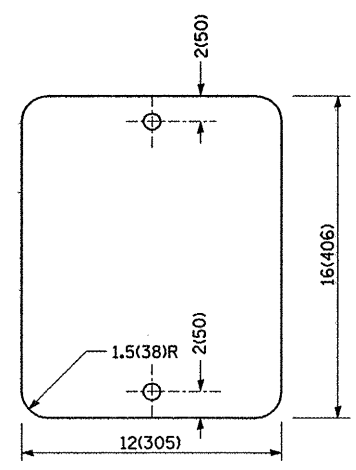
Sheeting Position for
Traffic Barrier Terminal Type (*)
* See Plans for Type

TERMINAL MARKER DETAILS

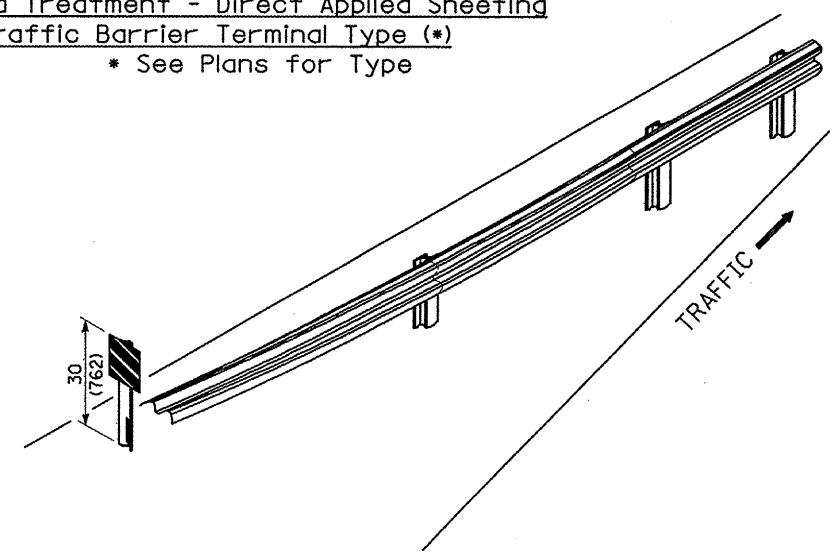
- Color: Black / Yellow reflectorized
- OM - I100 (L or R) Direct applied reflective sheeting
- OM - I200 (L or R) Post mounted



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

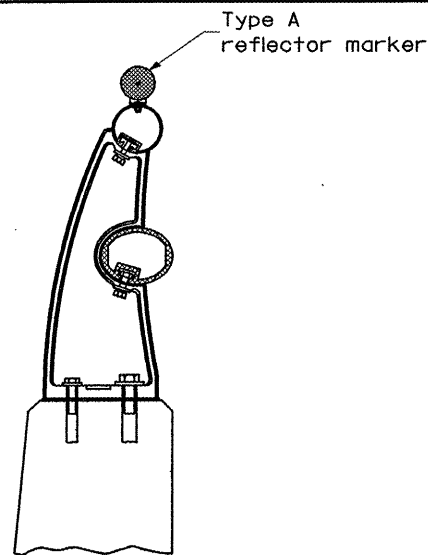
TERMINAL MARKER TREATMENTS

GENERAL NOTES

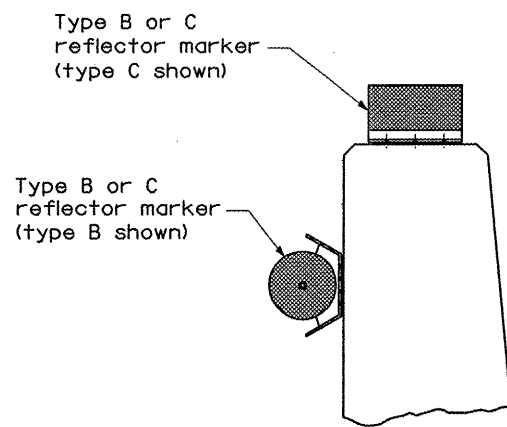
All dimensions are in inches (millimeters) unless otherwise noted.

GUARDRAIL & BARRIER WALL DELINEATION

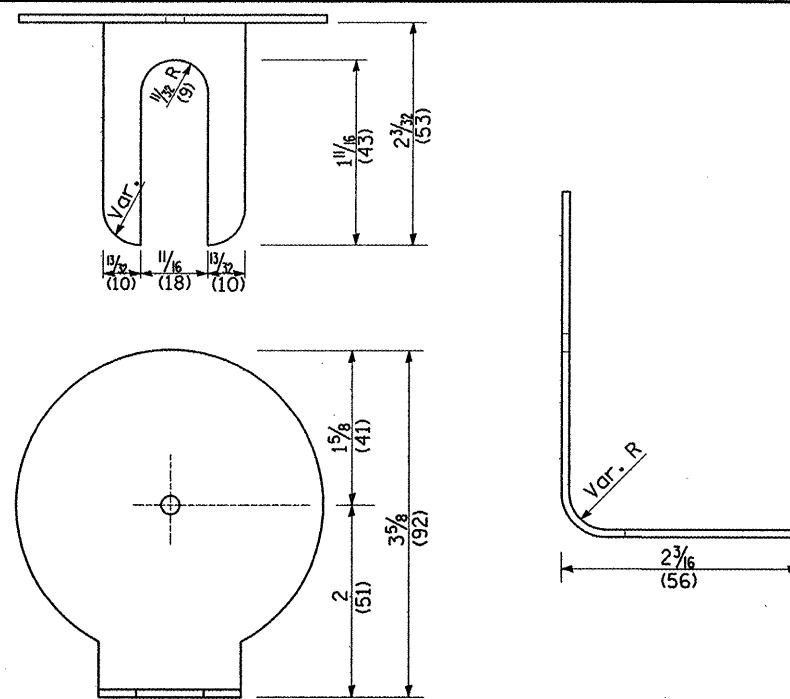
FILE NAME = ...District Standards 638-667.dgn	USER NAME = Plotted by new6	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS US 150 OVER LITTLE FARM CREEK		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -				6757	(105B) BR-2, (105B) BR-3	TAZEWELL	117	133
	PLOT DATE = 7/29/2008	CHECKED -	REVISED -				CONTRACT NO. 68086				
		DATE -	REVISED -				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
					SCALE: N.T.S.	SHEET NO. OF SHEETS	STA.	TO STA.			



TYPICAL MOUNTING DETAIL FOR BRIDGE RAIL REFLECTOR

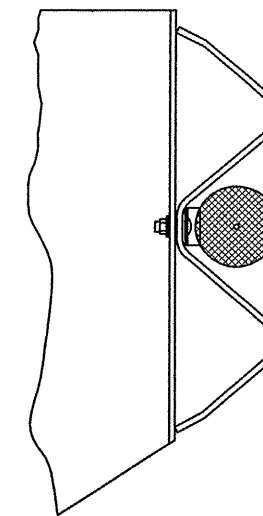


TYPICAL MOUNTING DETAIL FOR BARRIER WALL REFLECTOR



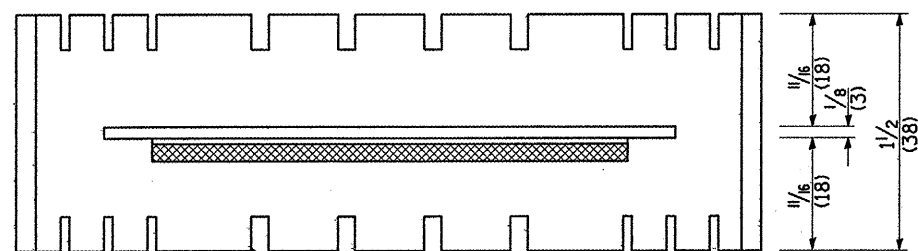
REFLECTOR MARKER TYPE A

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

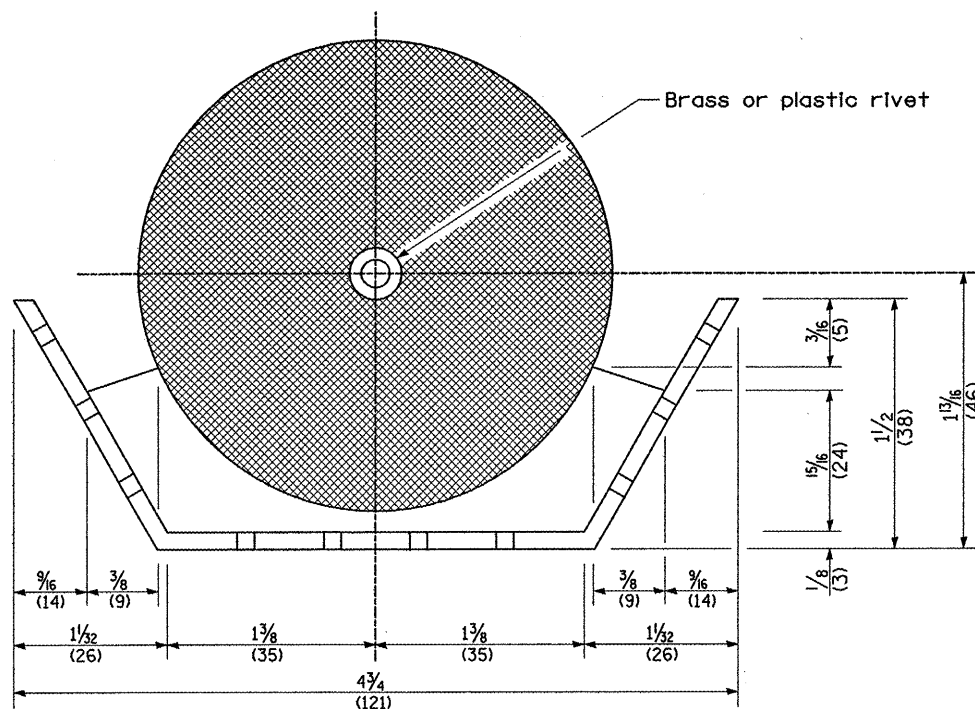


TYPICAL GUARDRAIL MOUNTING WITH REFLECTOR MARKER TYPE A

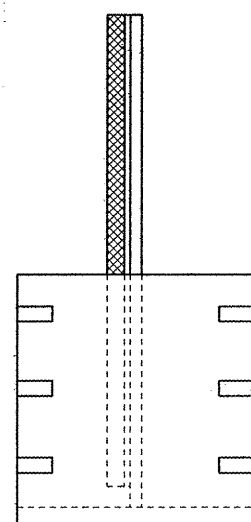
REFLECTOR MOUNTING



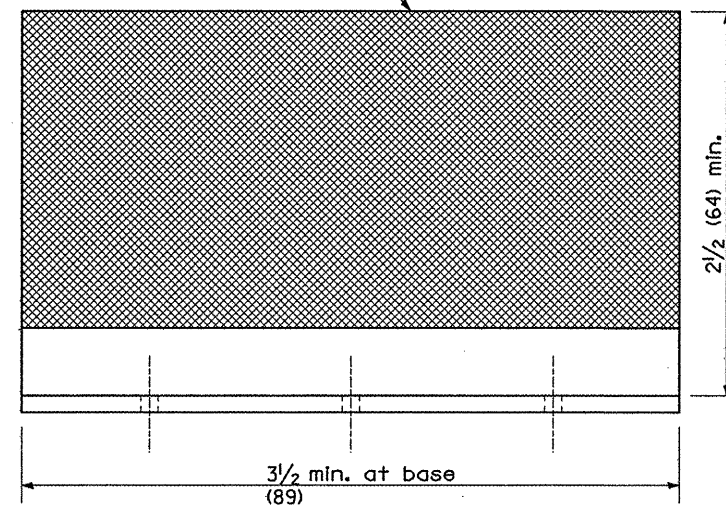
Adhesive weep slots or holes equally spaced on both sides



REFLECTOR MARKER TYPE B



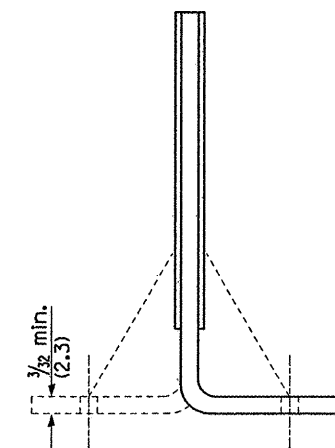
Brass or plastic rivet



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)



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

REFLECTORS

GUARDRAIL & BARRIER WALL DELINEATION

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

FILE NAME *
...District Standards 638-667.dgn

USER NAME * Plotted by new6	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -
PLOT DATE = 7/29/2008	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

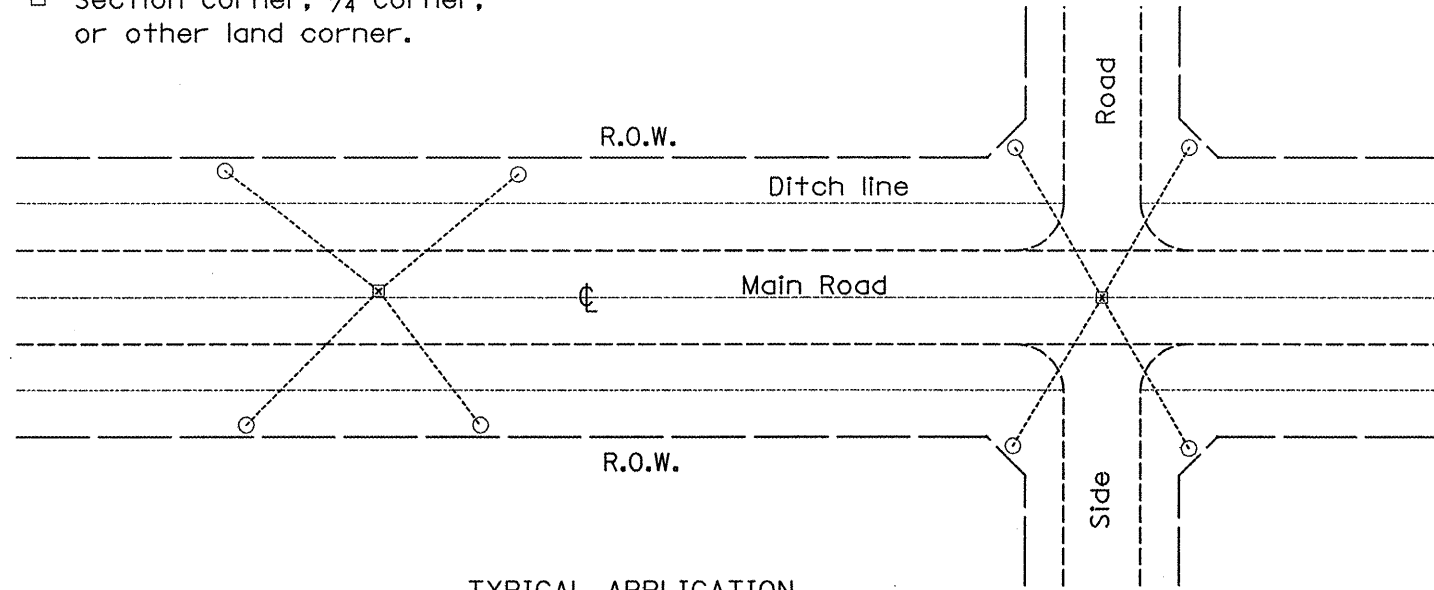
DISTRICT STANDARDS
US 150 OVER LITTLE FARM CREEK

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6757	(105B) BR-2, (105B) BR-3	TAZEWELL	118	133
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68086	

PERMANENT SURVEY TIES

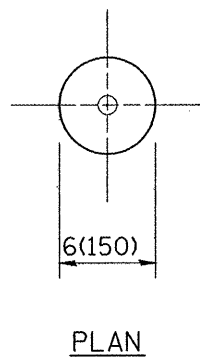
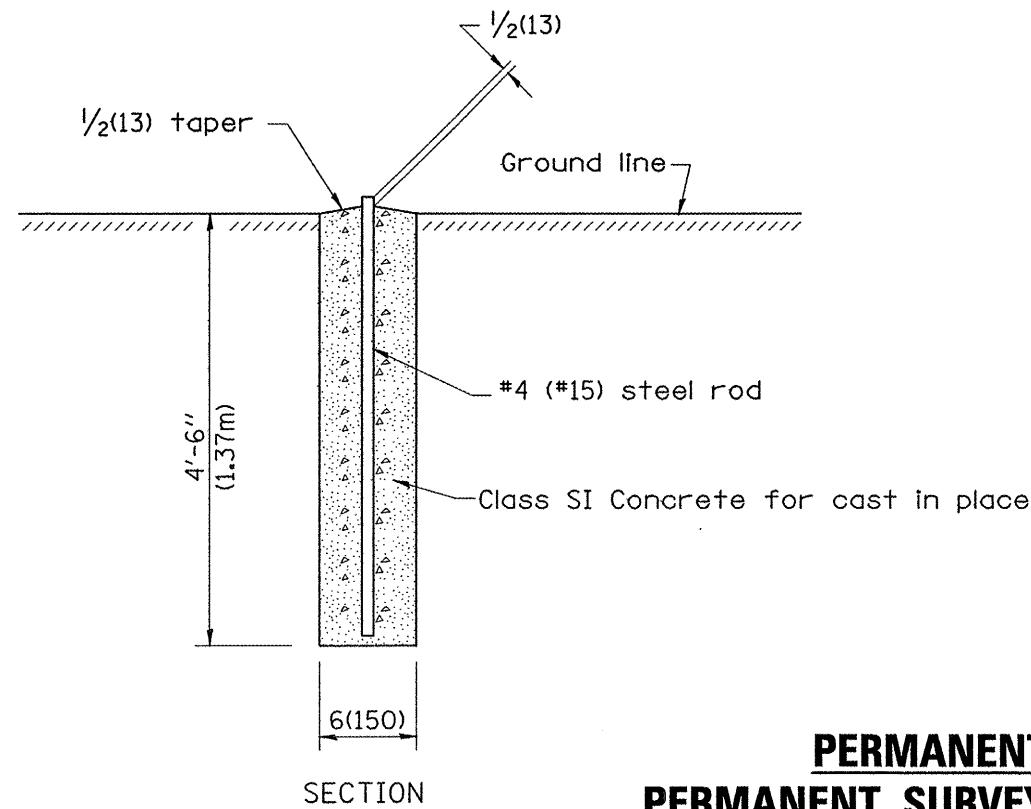
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



TYPICAL APPLICATION

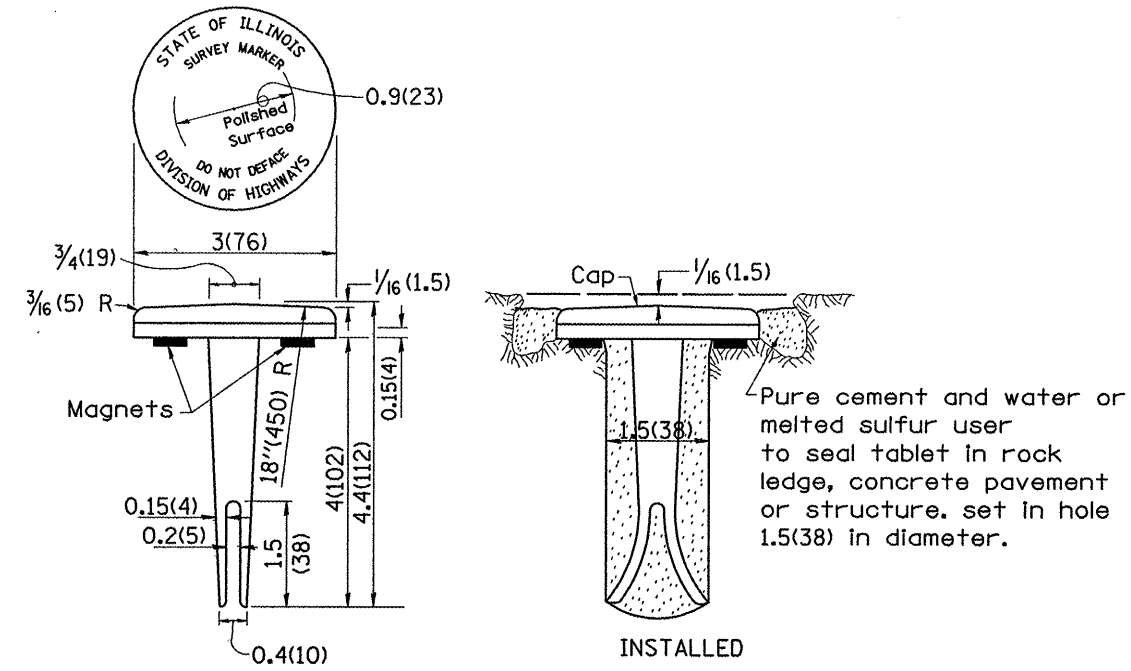
GENERAL NOTES

1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the IDOT Chief of Surveys.



PERMANENT SURVEY TIE & PERMANENT SURVEY MARKERS TY. I & TY. II

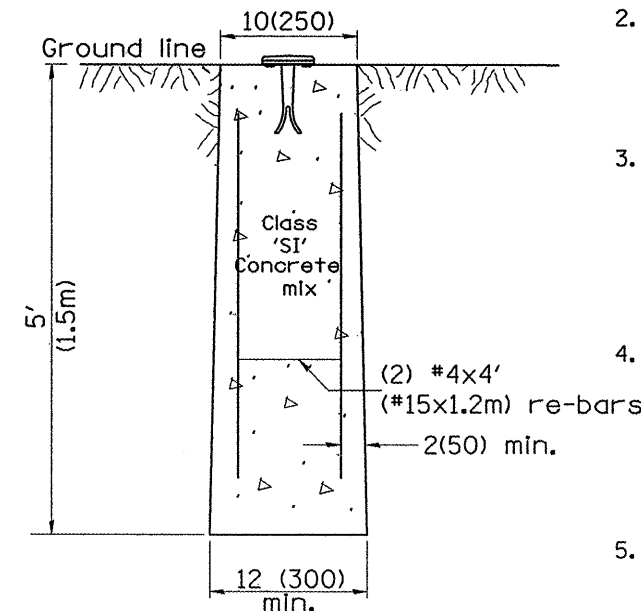
PERMANENT SURVEY MARKERS



BRONZE TABLET - No Scale TYPE I

GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4 (19) and a thickness of 1/4 (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s and P.C.'s of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.



MARKER CAST IN PLACE TYPE II

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

DATE	REVISIONS	BY
1-1-97	RENUM. D-3.01, NEW REVISION BOX	T.P.
	ADD DESIGNER NOTE, REVISED TITLE BOX	
7-7-98	ADD DESIGNER NOTE	J.A.
5-24-06	REMOVED GEN. NOTE UNDER TIES	M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

DESIGNER NOTE:
 1. ADD DISTRICT SPECIAL PROVISION.
 2. MODIFIES STATE STD 667101 TO CALL FOR "BRONZE" TABLET.

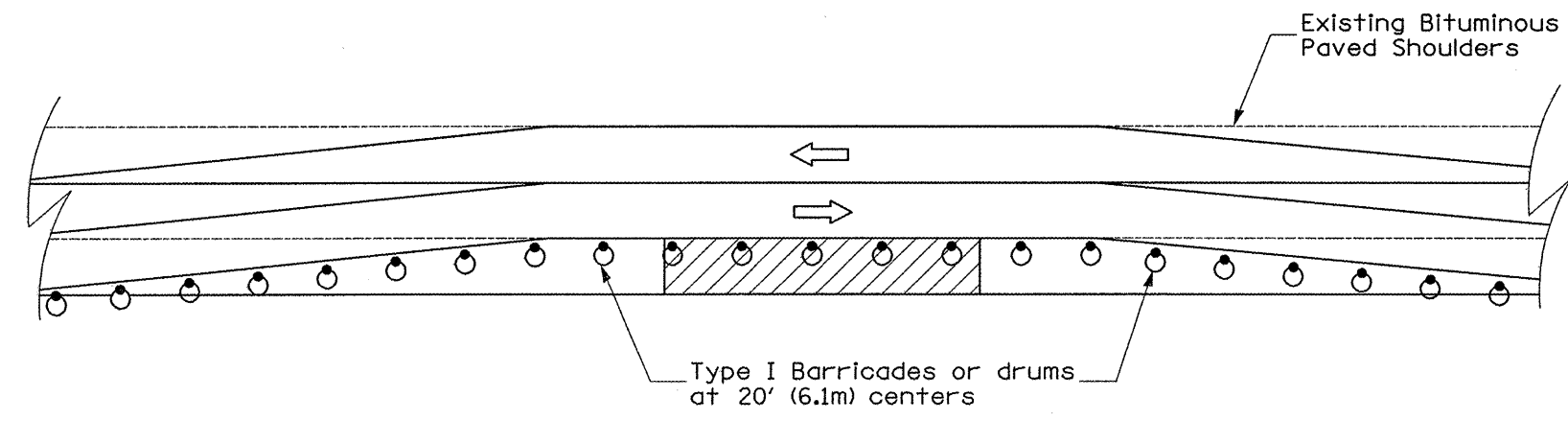
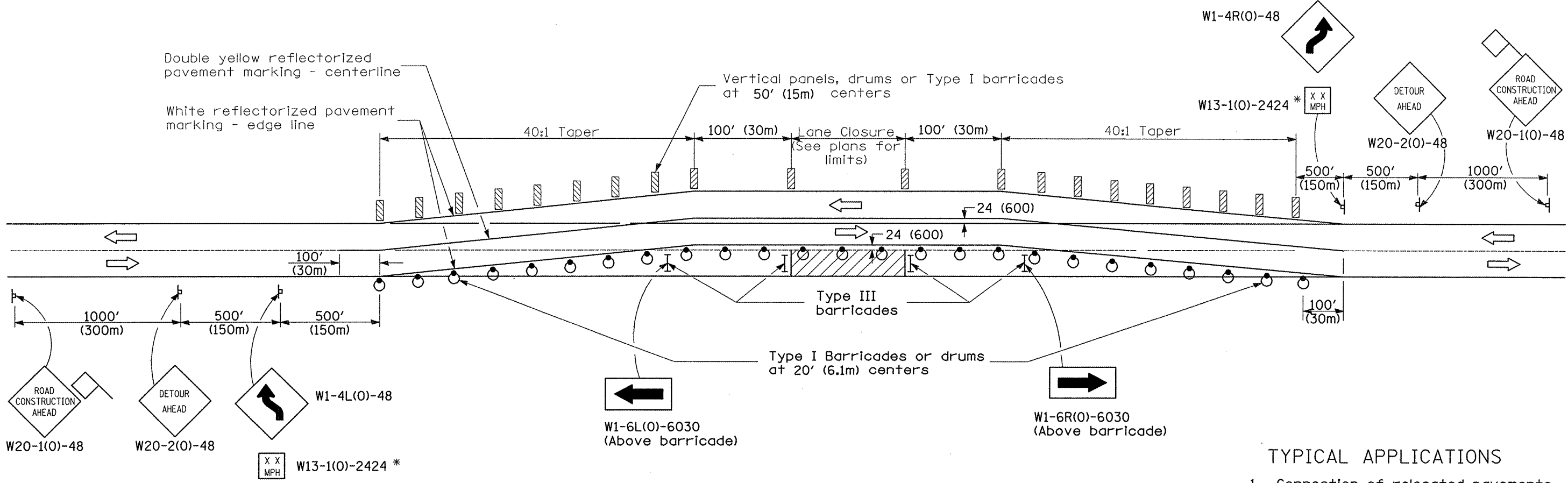
FILE NAME =	USER NAME = Plotted by new6	DESIGNED -	REVISED -
...District Standards 638-667.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 7/29/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT STANDARDS
US 150 OVER LITTLE FARM CREEK

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6757	(105B) BR-2, (105B) BR-3	TAZEWELL	119	133
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68086	



OPTIONAL TREATMENT WITH EXISTING BITUMINOUS PAVED SHOULDERS

TYPICAL APPLICATIONS

1. Connection of relocated pavements to existing pavements.
2. Emergency pavement repairs.

GENERAL NOTES

1. This Standard is used where at any time, any vehicle, equipment, workers or their activities require the closure of a single lane and a temporary run-around is constructed adjacent to the existing pavement.
- *2. The advisory speed to be shown below the reverse curve (turn) signs shall be determined at the site and approved by the Engineer.
3. Type III reflectorized pavement marking tape shall be used for marking the edge lines and centerline on the existing pavement. Type III reflectorized pavement marking tape shall also be used for markings on the paved run-arounds.

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

DESIGNER NOTES:
 1. Include State Standard 701331.
 2. Review treatments with District Traffic Control Engineer (Technician).
 3. Include District Special Provision.

SYMBOLS

- Work area
- Sign
- 18x18 (450x450) Minimum orange flag
- Barricade or drum with monodirectional steady burning light
- Vertical panel, drum or Type I barricade
- Type III barricade

LANE CLOSURE, 2L, 2W WITH RUNAROUND TO EXISTING PAVEMENT FOR SPEEDS ≥ 45 MPH (STANDARD 701331, SPECIAL)

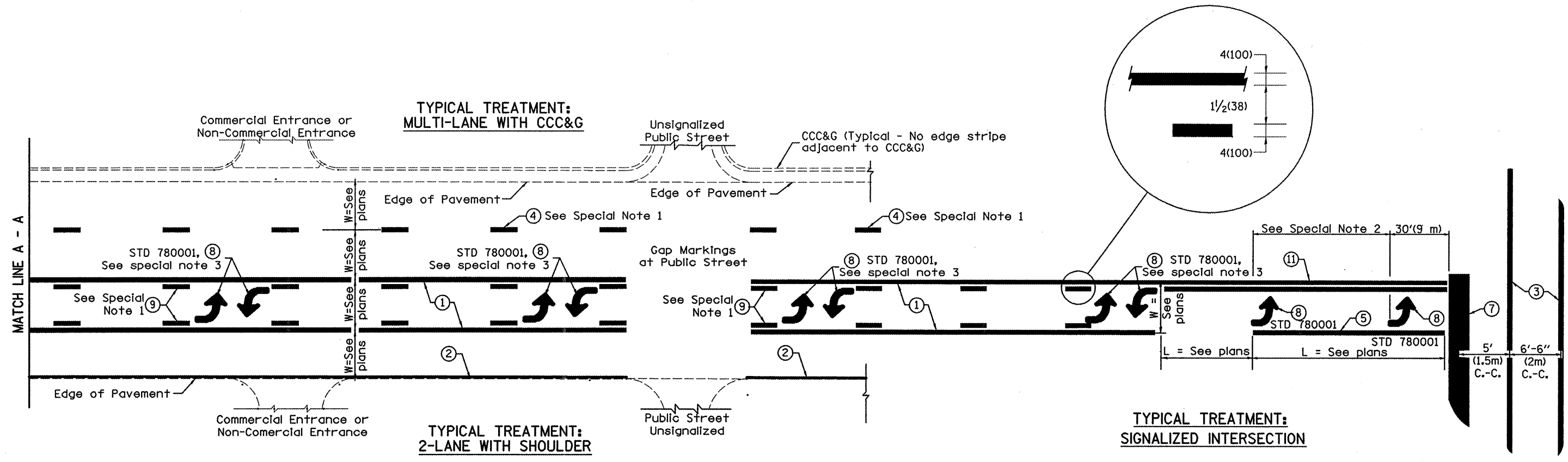
DATE	REVISIONS	BY
1-1-97	RENUM. F-6.01. NEW REVISION BOX, REVISED TITLE BOX	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6757	(105B) BR-2, (105B) BR-3	TAZEWELL	120	133
CONTRACT NO. 68086				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FILE NAME = ... \District Standards 700.dgn	USER NAME = Plotted by new6	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT STANDARDS	
US 150 OVER LITTLE FARM CREEK	
SCALE: N.T.S.	SHEET NO. OF SHEETS STA. TO STA.



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)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

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

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.

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

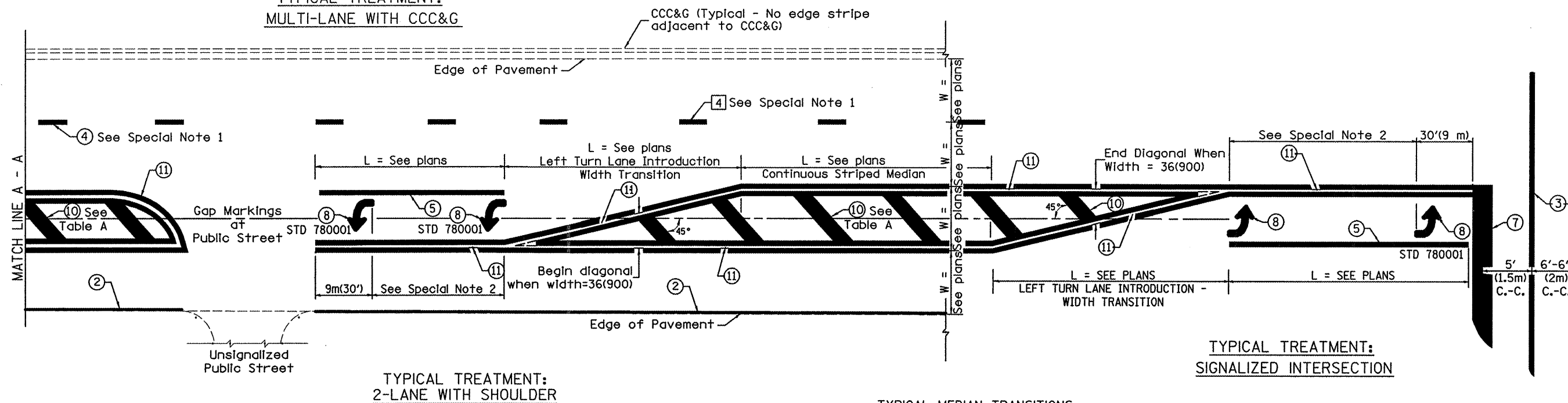
DATE	REVISIONS	BY
1-1-97	RENUM. F-8.03, NEW REVISION BOX	T.P.
2-7-97	ADD BI DIRECTIONAL DIMENSION	J.A.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.
8-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

TYPICAL PAVEMENT MARKINGS

DESIGNER NOTES: 1. Include State Standard 780001 (Typical Pavement Markings)

FILE NAME = ...District Standards 780.dgn	USER NAME = Plotted by new6	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS US 150 OVER LITTLE FARM CREEK		F.A.U. RTE. 6757	SECTION (105B) BR-2, (105B) BR-3	COUNTY TAZEWELL	TOTAL SHEETS 121	SHEET NO. 133	
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 68086		
	PLOT DATE = 7/29/2008	CHECKED -	REVISED -									
		DATE -	REVISED -									

**TYPICAL TREATMENT:
MULTI-LANE WITH CCC&G**



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

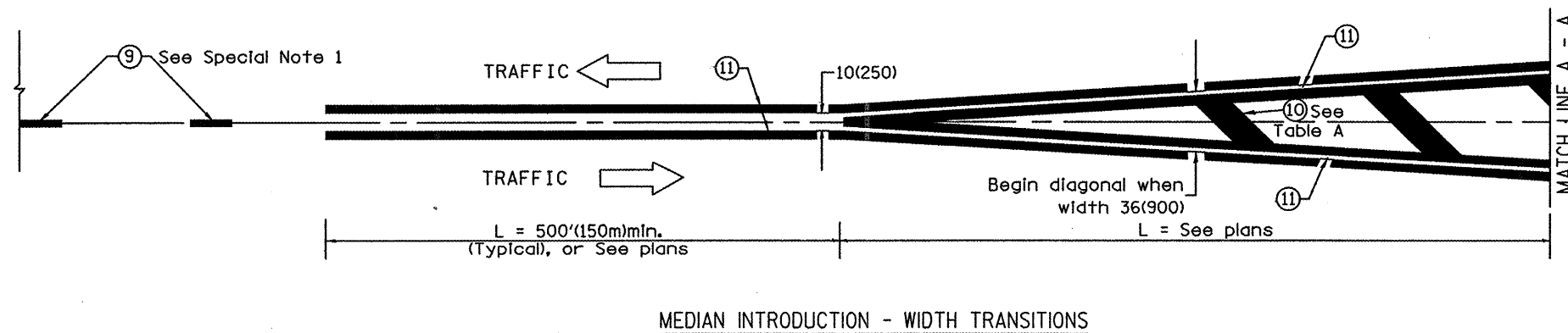


TABLE A

RECOMMENDED SPACING BETWEEN DIAGONAL LINES

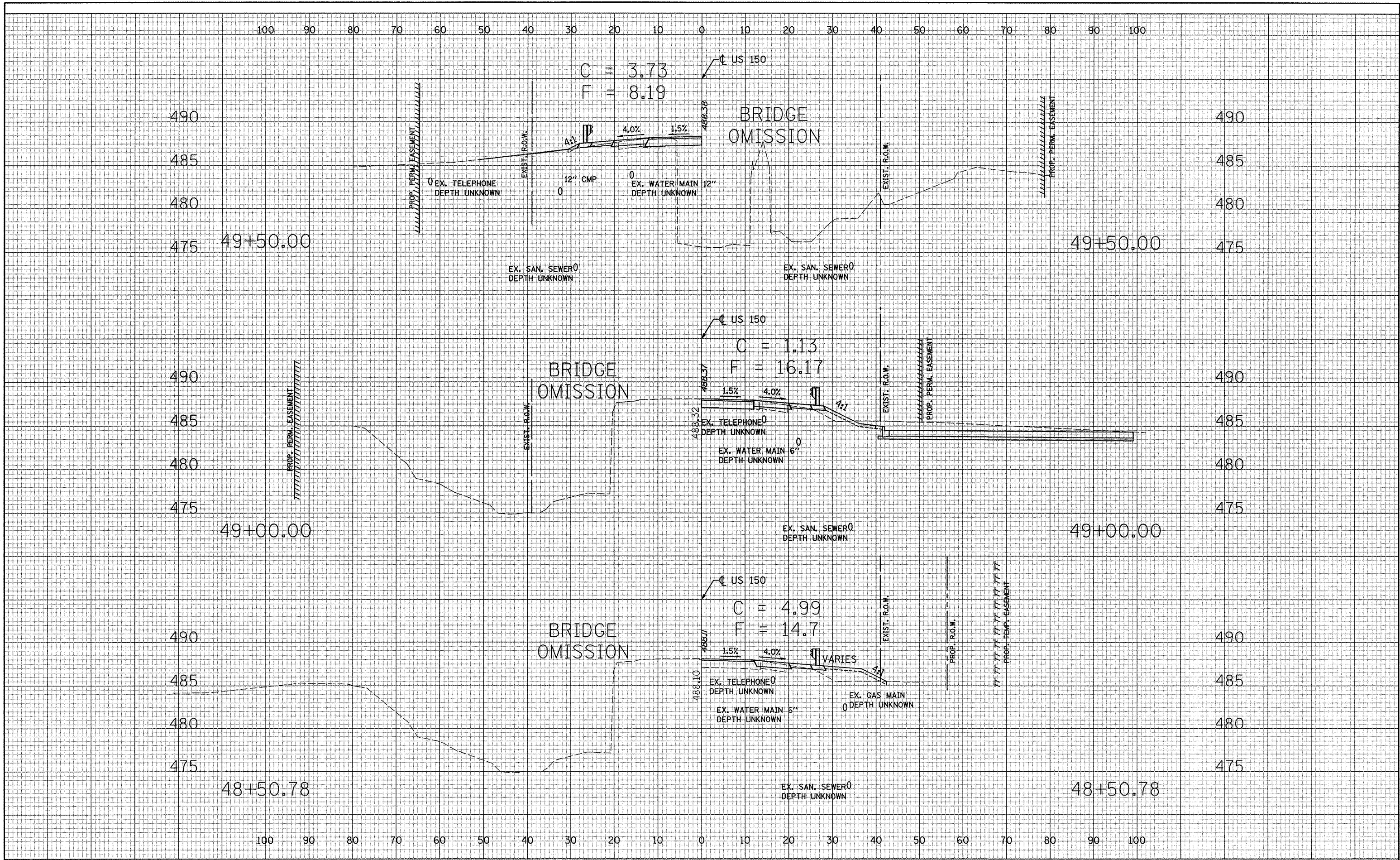
SPEED LIMIT RANGE	CONTINUOUS	INTERSECTION CHANNELIZATION
		(Includes Width Transitions for Median and Left Turn Lane Introductions)
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)

TYPICAL PAVEMENT MARKINGS

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

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DESIGNED	
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DATE	
REVISIONS	
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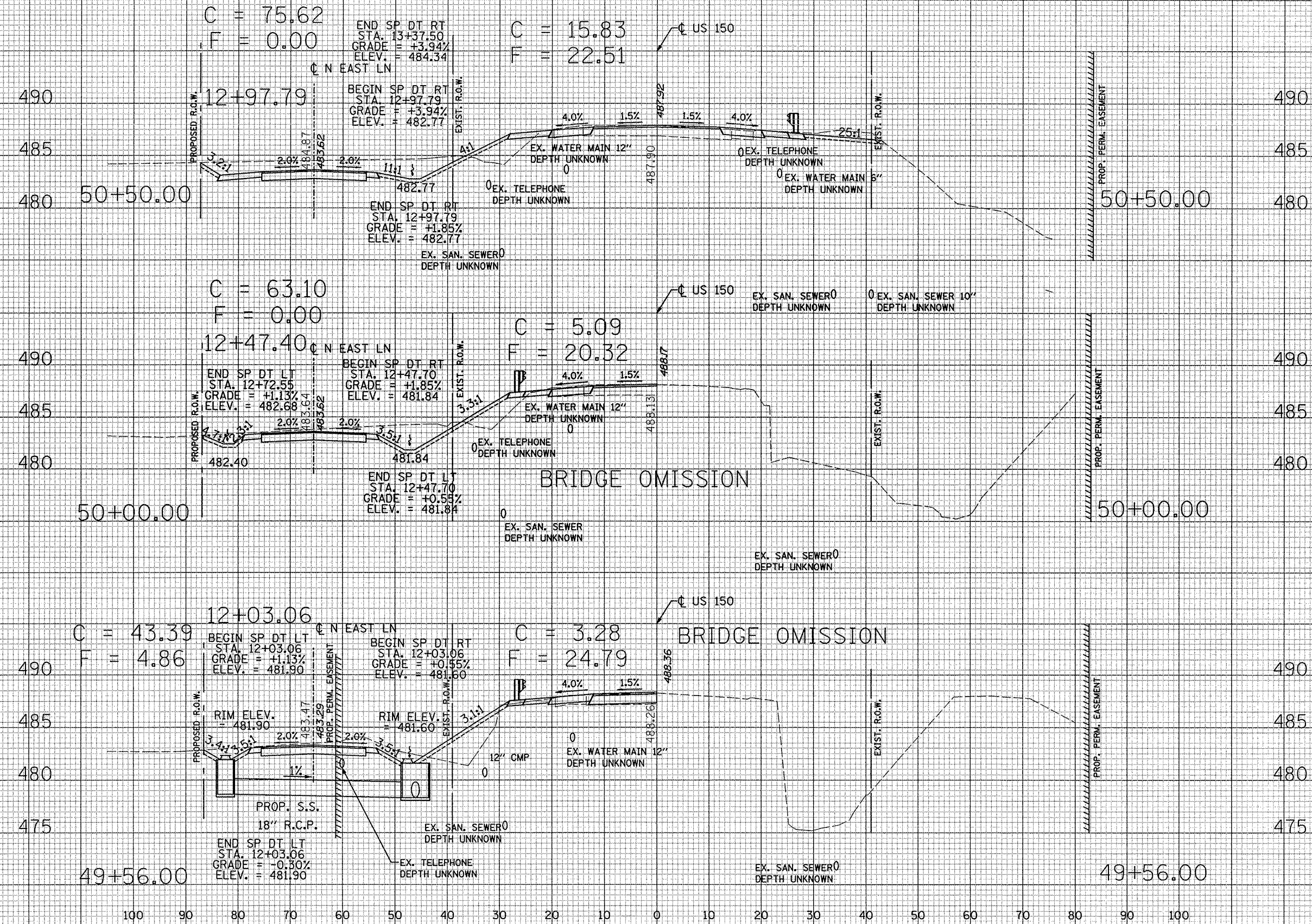
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FILE NAME = ...0900038\0038XSHEET.dgn	USER NAME = Plotted by flin	DESIGNED - ST	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS US 150 OVER LITTLE FARM CREEK S.N. 090-0038				F.A.U. RTE. 6757	SECTION (1058) BR-2	COUNTY TAZEWELL	TOTAL SHEETS 124	SHEET NO. 133
	PLOT SCALE = 20.0000' / IN.	DRAWN - ST	REVISED - ---		SCALE: 1"=10'H, 5'V	SHEET NO. OF SHEETS	STA. 47+35.00 TO STA. 52+05.00	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
	PLOT DATE = 10/8/2008	CHECKED - FL	REVISED - ---										
		DATE - 12/2007	REVISED - ---										

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BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREA	
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FILE NAME =
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PLOT SCALE = 20.0000' / IN.	DRAWN - ST	REVISED - ---
PLOT DATE = 10/8/2008	CHECKED - FL	REVISED - ---
	DATE - 12/2007	REVISED - ---

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

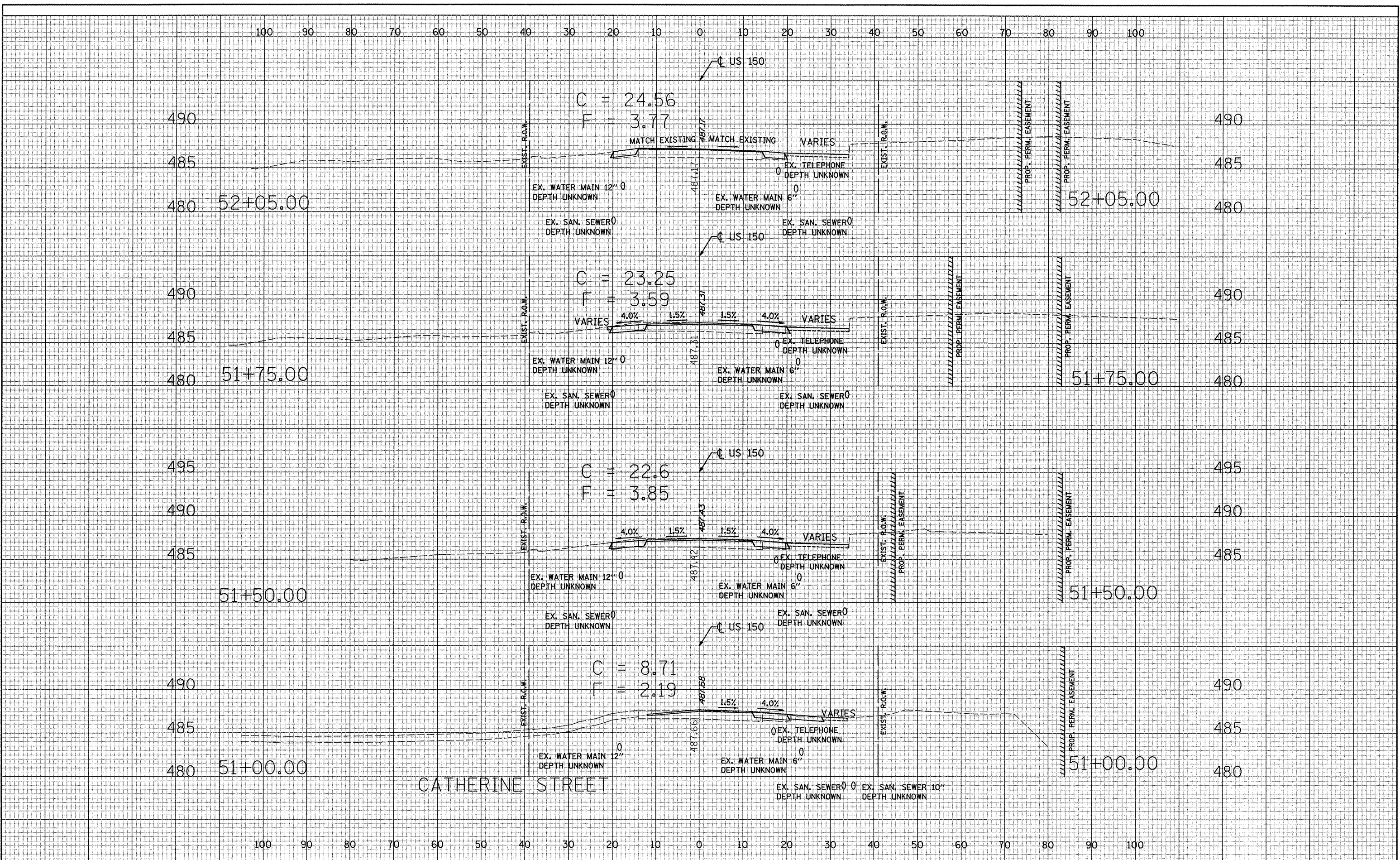
**CROSS SECTIONS
 US 150 OVER LITTLE FARM CREEK S.N. 090-0038**

SCALE: 1"=10'H, 5'V SHEET NO. OF SHEETS STA. 47+35.00 TO STA. 52+05.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6757	(105B) BR-2	TAZEWELL	125	133
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 68086	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
NO.	
TEMP. PLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
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NOTE BOOK	
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TEMP. PLATE	
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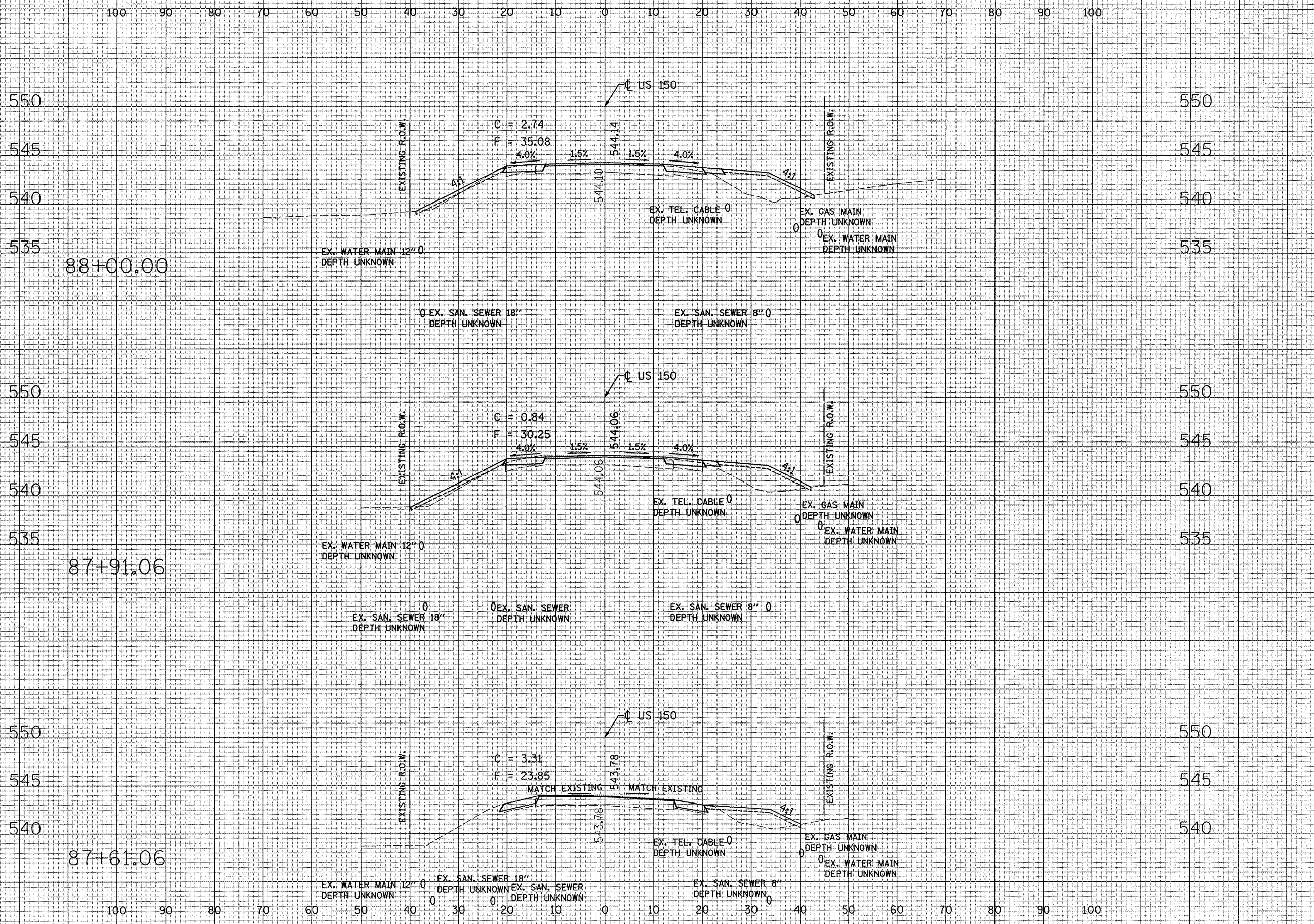


CATHERINE STREET

FILE NAME = ...0900038\0038XSSHEET.dgn	USER NAME = Plotted by fln	DESIGNED - ST	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS US 150 OVER LITTLE FARM CREEK S.N. 090-0038	F.A.U. RTE. 6757	SECTION (105B) BR-2	COUNTY TAZEWELL	TOTAL SHEETS 126	SHEET NO. 133		
PLOT SCALE = 20.0000' / IN.	CHECKED - FL	DATE - 12/2007	REVISED - ---			SCALE: 1"=10'H,5'V	SHEET NO. OF SHEETS	STA. 47+35.00 TO STA. 52+05.00	CONTRACT NO. 68086			
PLOT DATE = 10/8/2008	DATE - 12/2007	REVISED - ---	REVISED - ---			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						

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FILE NAME =
 ...Phase 1\090004\0040XS.dgn

USER NAME = Plotted by new6	DESIGNED - ST	REVISED - ---
PLOT SCALE = 20.0000' / IN.	DRAWN - ST	REVISED - ---
PLOT DATE = 7/29/2008	CHECKED - FL	REVISED - ---
	DATE - 12/2007	REVISED - ---

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

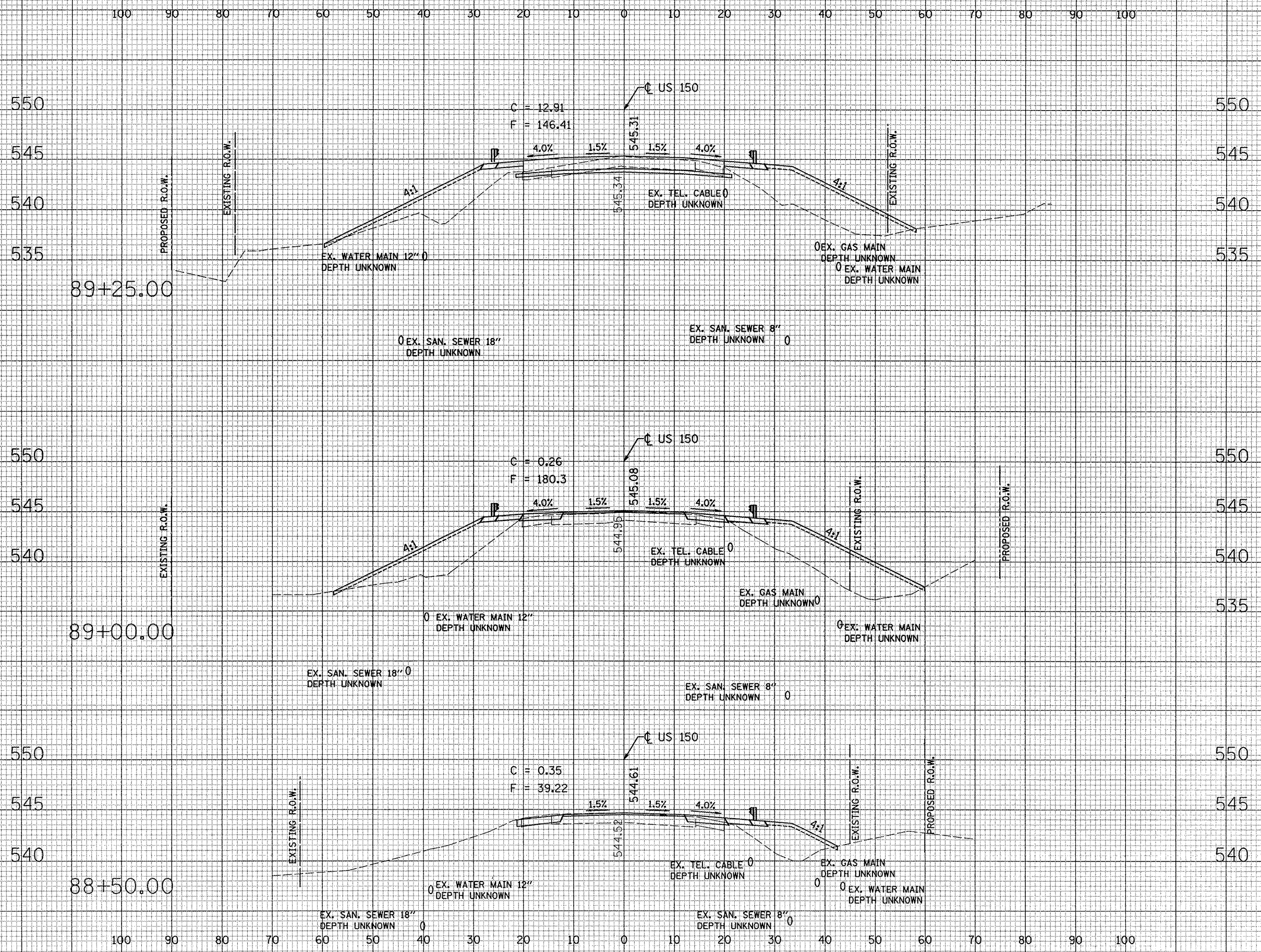
CROSS SECTIONS
US 150 OVER LITTLE FARM CREEK S.N. 090-0040

SCALE: 1"=10' H, 5" V SHEET NO. OF SHEETS STA. 87+61.06 TO STA. 92+24.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6757	(105B) BR-3	TAZEWELL	127	133
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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SURVEYED	
TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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DATE - 12/2007	REVISED - ----

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

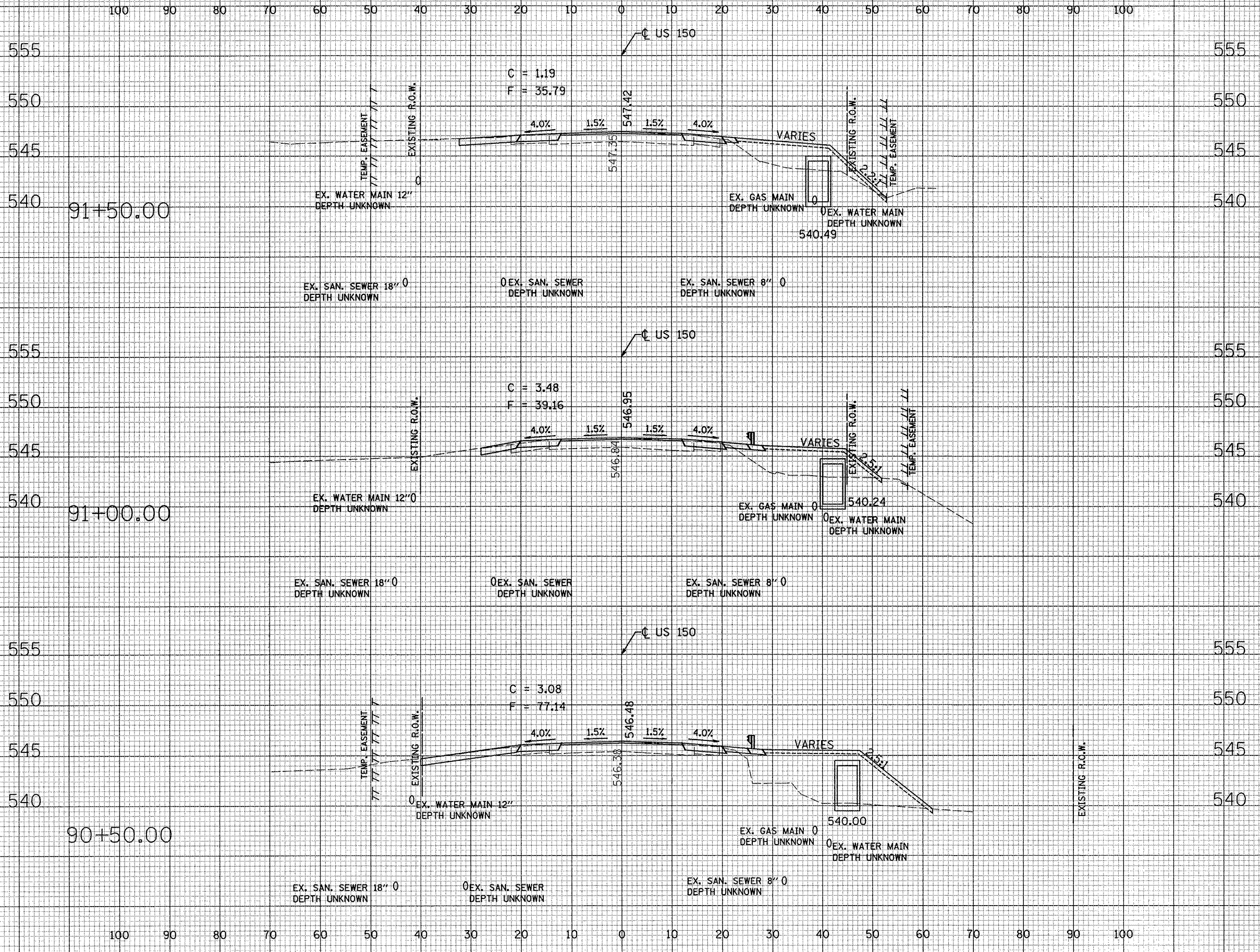
**CROSS SECTIONS
 US 150 OVER LITTLE FARM CREEK S.N. 090-0040**

SCALE: 1"=10'H,5'V SHEET NO. OF SHEETS STA. 87+61.06 TO STA. 92+24.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6757	(105B) BR-3	TAZEWELL	128	133
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				
CONTRACT NO. 68086				

DATE	
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FINAL SURVEY	
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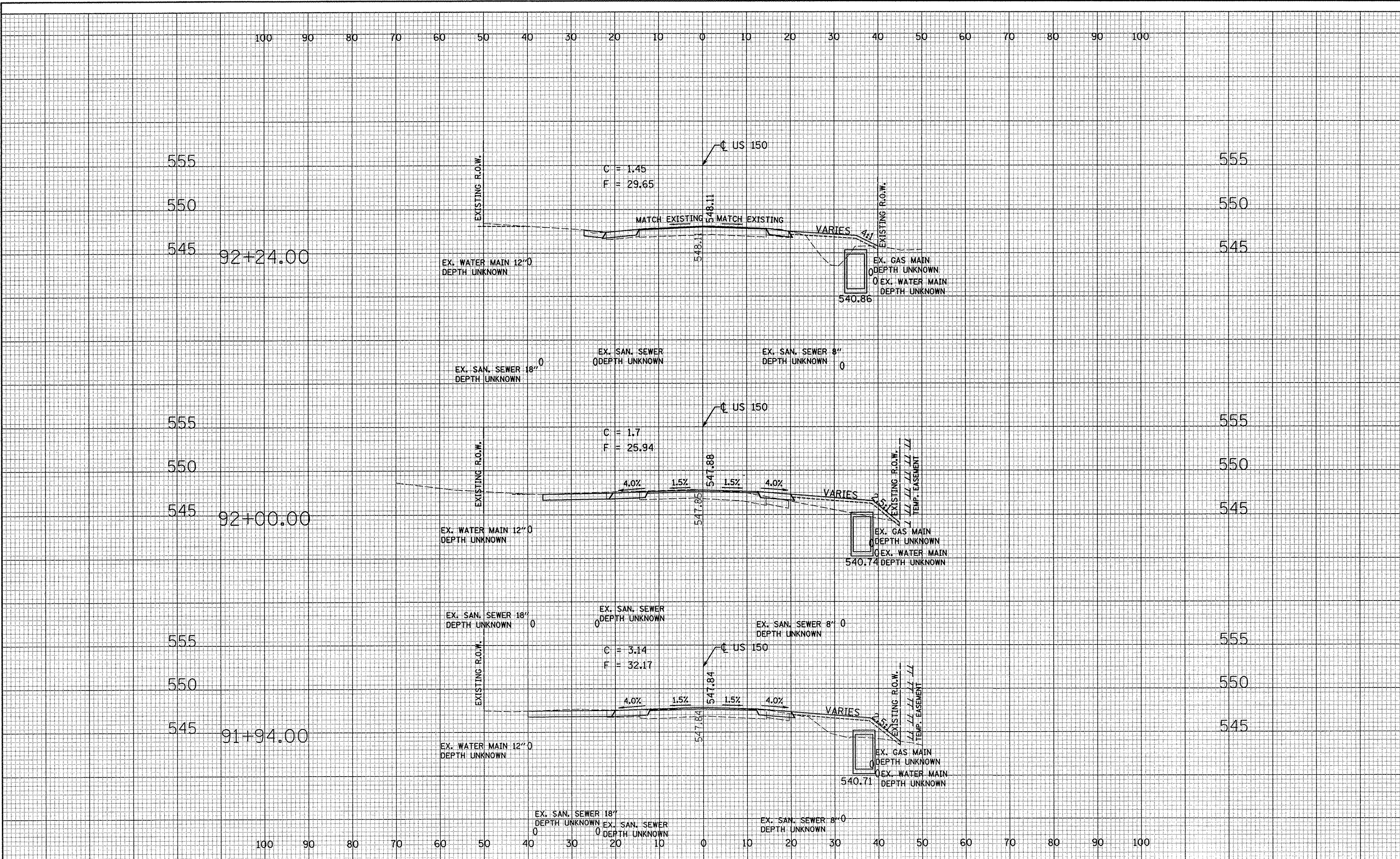
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PLOT SCALE = 20.0000' / IN.	CHECKED - FL	REVISED - ---	REVISED - ---			SCALE: 1"=10'4.5"V	SHEET NO. OF SHEETS	STA. 87+61.06 TO STA. 92+24.00	CONTRACT NO. 68086			
PLOT DATE = 10/7/2008	DATE - 12/2007	REVISED - ---	REVISED - ---			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

DATE	
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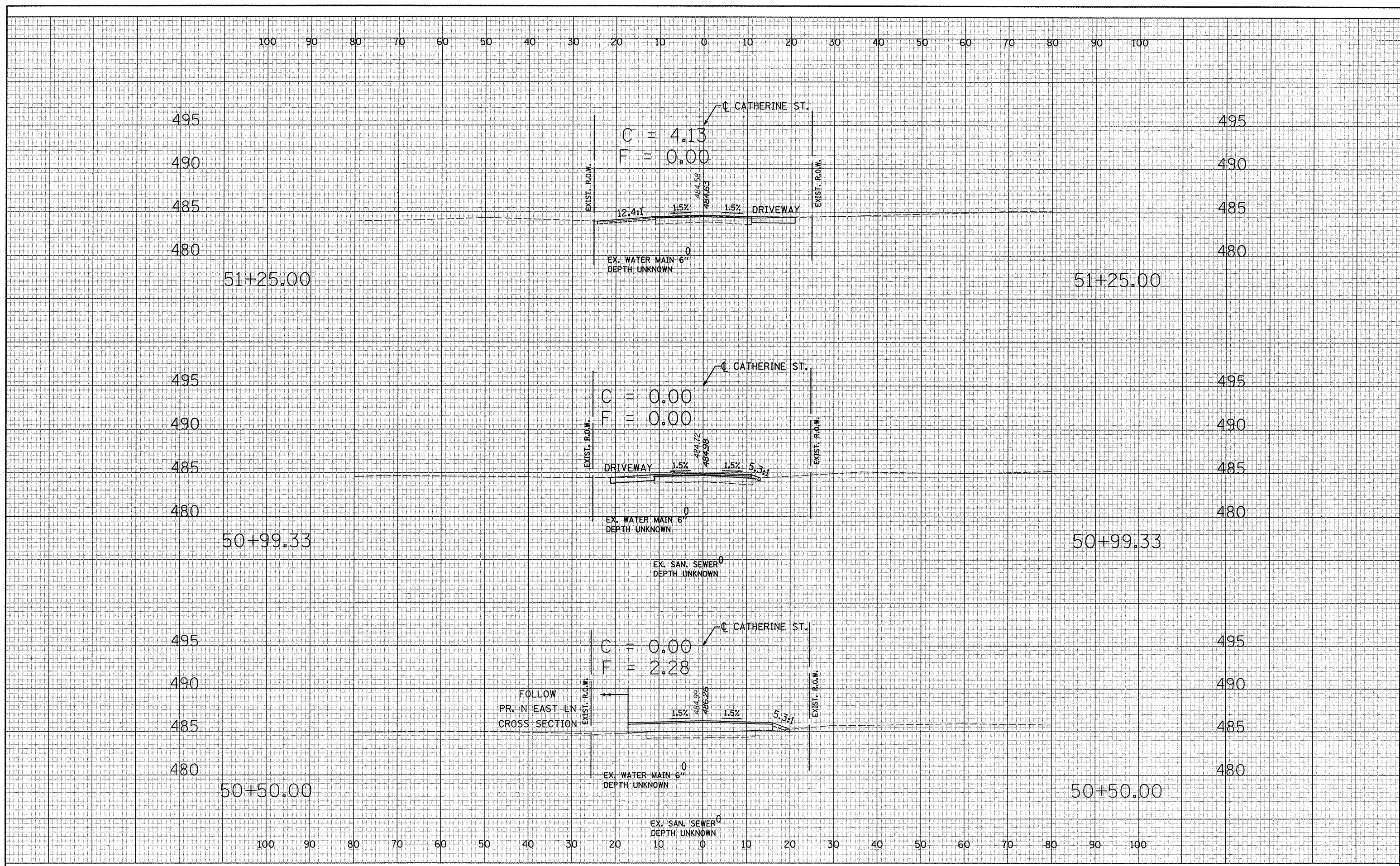
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	PLOT SCALE = 20.0000' / IN.	CHECKED - FL	REVISED - ---		SCALE: 1"=10'H,5'V	SHEET NO. OF SHEETS	STA. 87+61.06 TO STA. 92+24.00	CONTRACT NO. 68086				
	PLOT DATE = 10/7/2008	DATE - 12/2007	REVISED - ---		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT							

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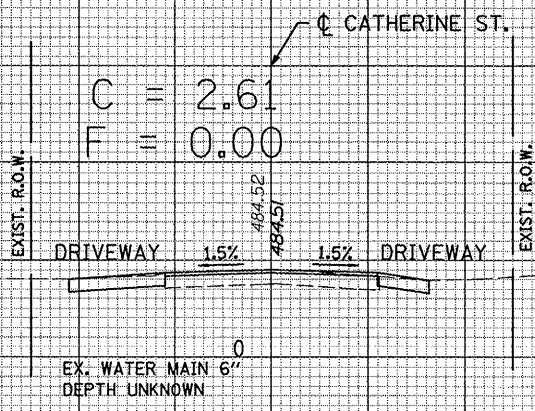
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PLOT SCALE = 20.000 ft / IN.	DRAWN - ST	REVISED -	SCALE: 1"=10'H,5'V			SHEET NO. OF SHEETS	STA. 50+00.00 TO STA. 51+80.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 68086	
PLOT DATE = 7/29/2008	CHECKED - FL	REVISED -									
	DATE - 12/2007	REVISED -									

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

495
490
485
480

51+47.00

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100



495
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51+47.00

DATE	BY
FINISHED SURVEY	
NOTE BOOK NO.	
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ORIGINAL SURVEY	
NOTE BOOK NO.	
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AREAS CHECKED	

FILE NAME =
...\\0900038\CatherineXS.dgn

USER NAME = Plotted by new6	DESIGNED - ST	REVISED -
	DRAWN - ST	REVISED -
PLOT SCALE = 20.000 ft / IN.	CHECKED - FL	REVISED -
PLOT DATE = 7/29/2008	DATE - 12/2007	REVISED -

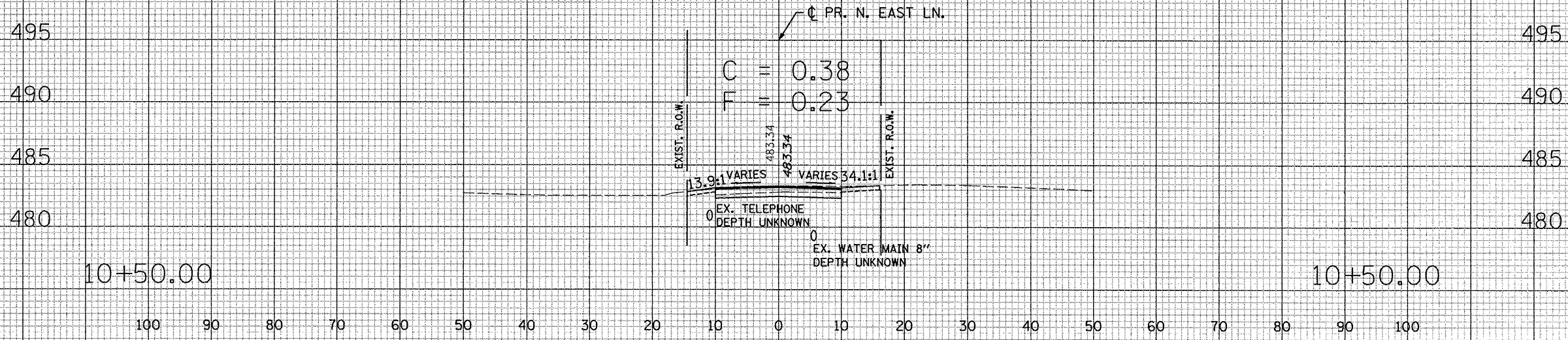
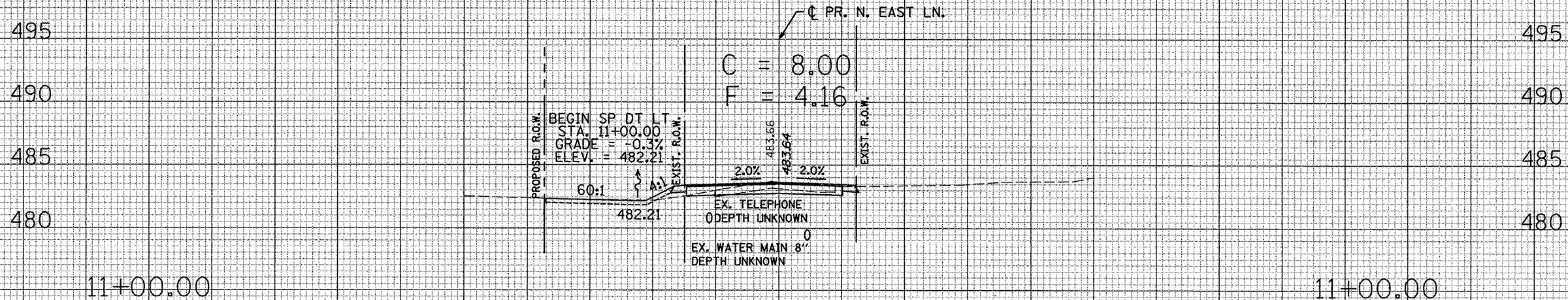
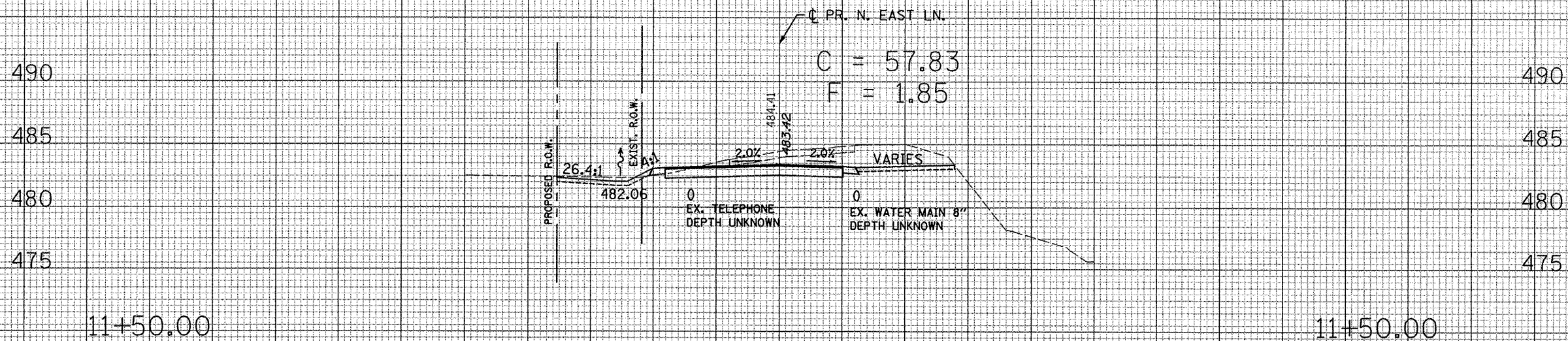
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
CATHERINE STREET**

SCALE: 1"=10'H, 5'V SHEET NO. OF SHEETS STA. 50+00.00 TO STA. 51+80.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6757	(105B) BR-2	TAZEWELL	132	133
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68086	

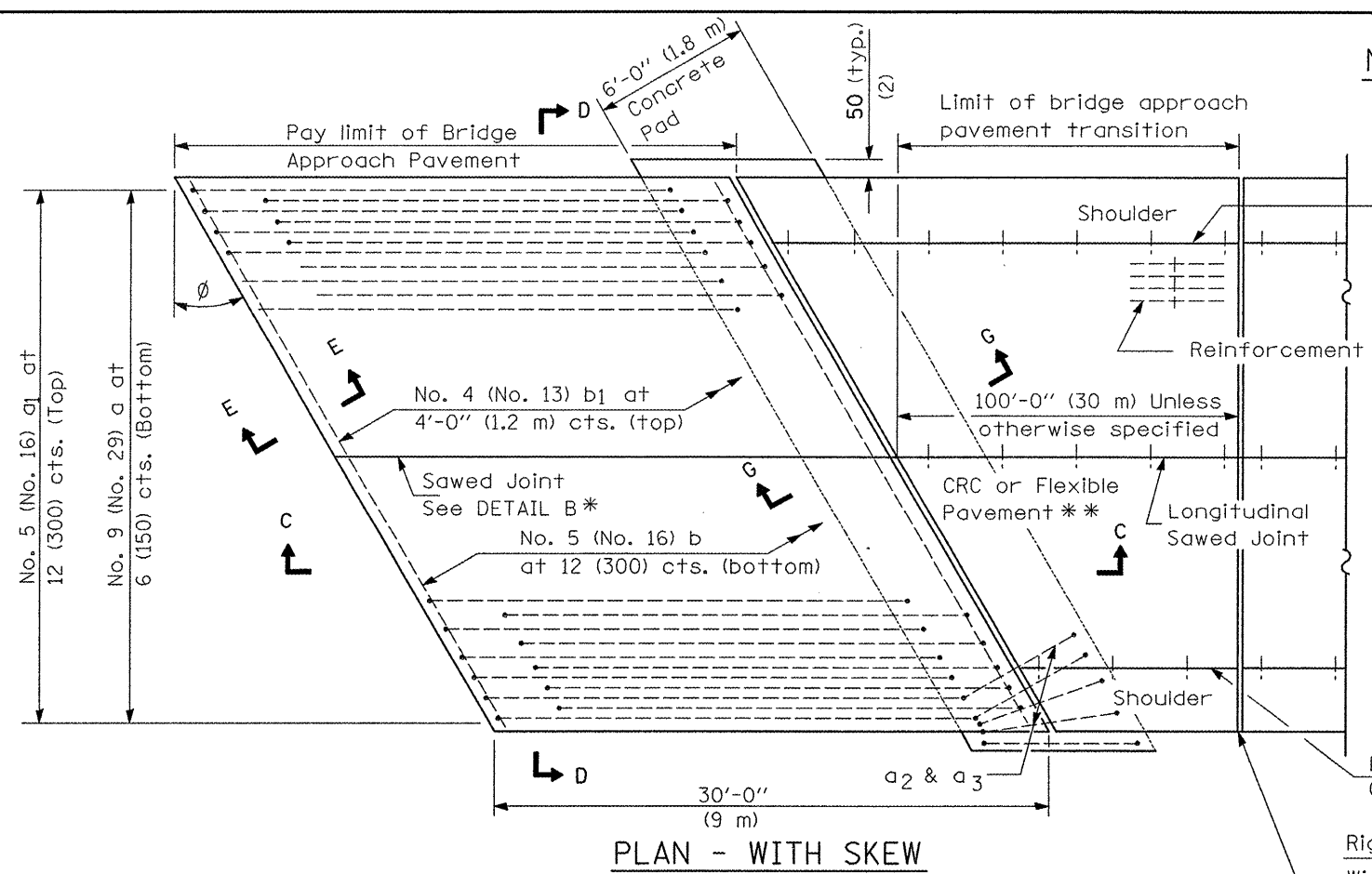
SEE US 150 CROSS SECTIONS
FOR ADDITIONAL CROSS SECTIONS



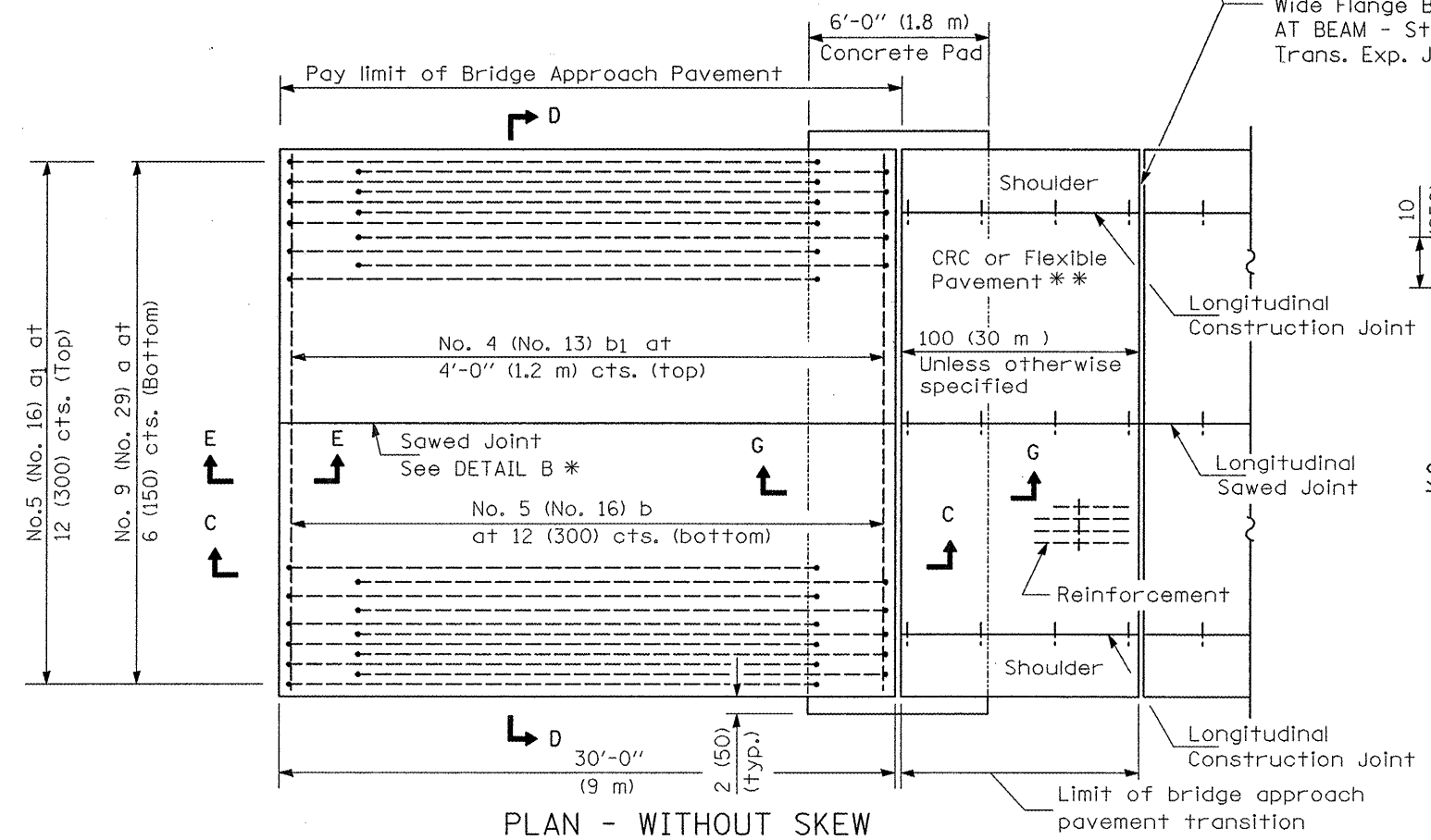
DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	TEMPLATE
AREAS	CHECKED
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DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	TEMPLATE
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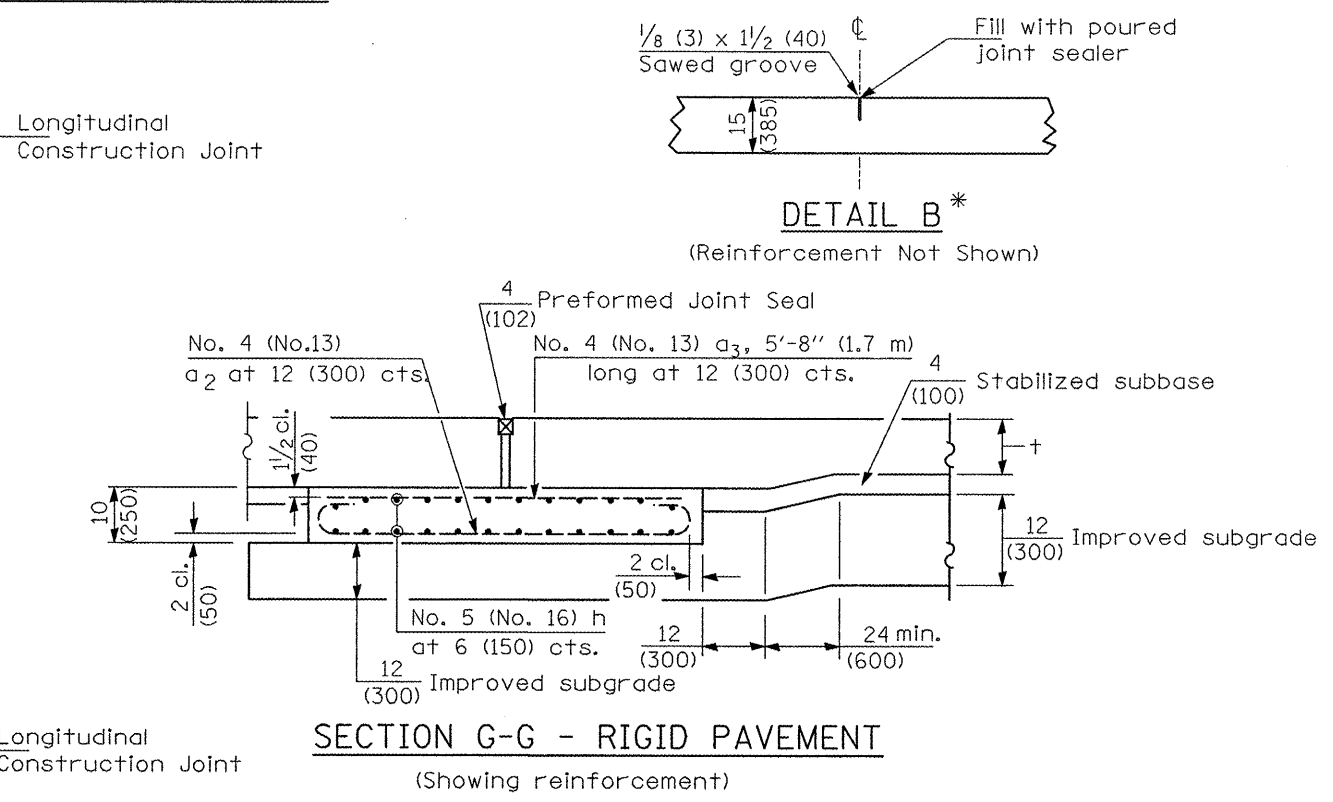
NEW CONSTRUCTION



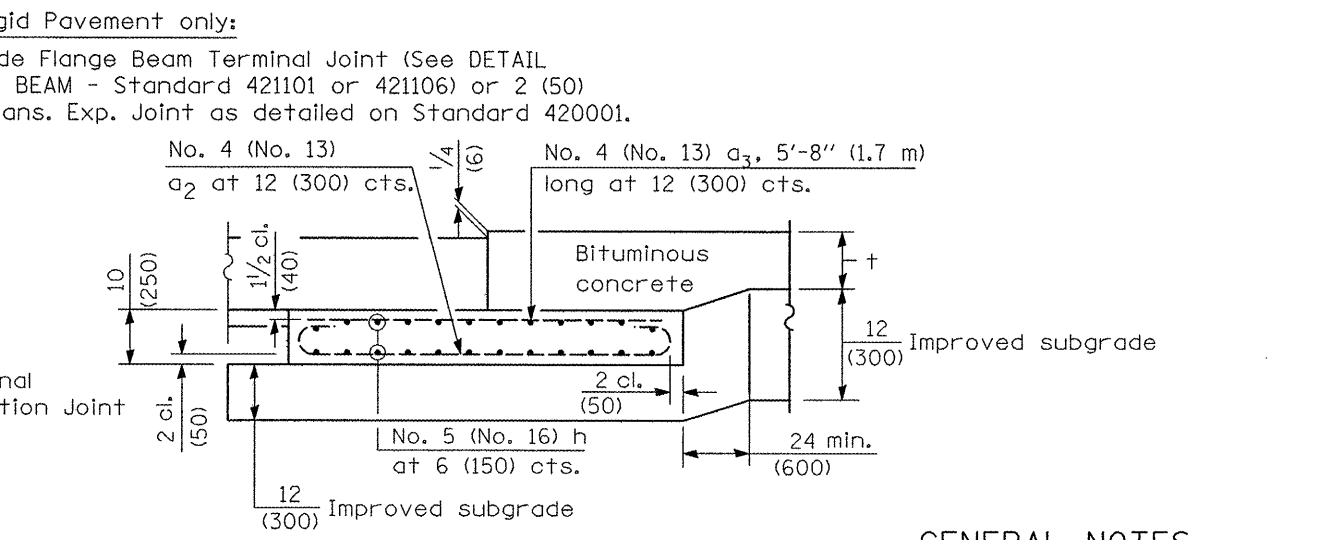
PLAN - WITH SKEW



PLAN - WITHOUT SKEW



SECTION G-G - RIGID PAVEMENT
(Showing reinforcement)



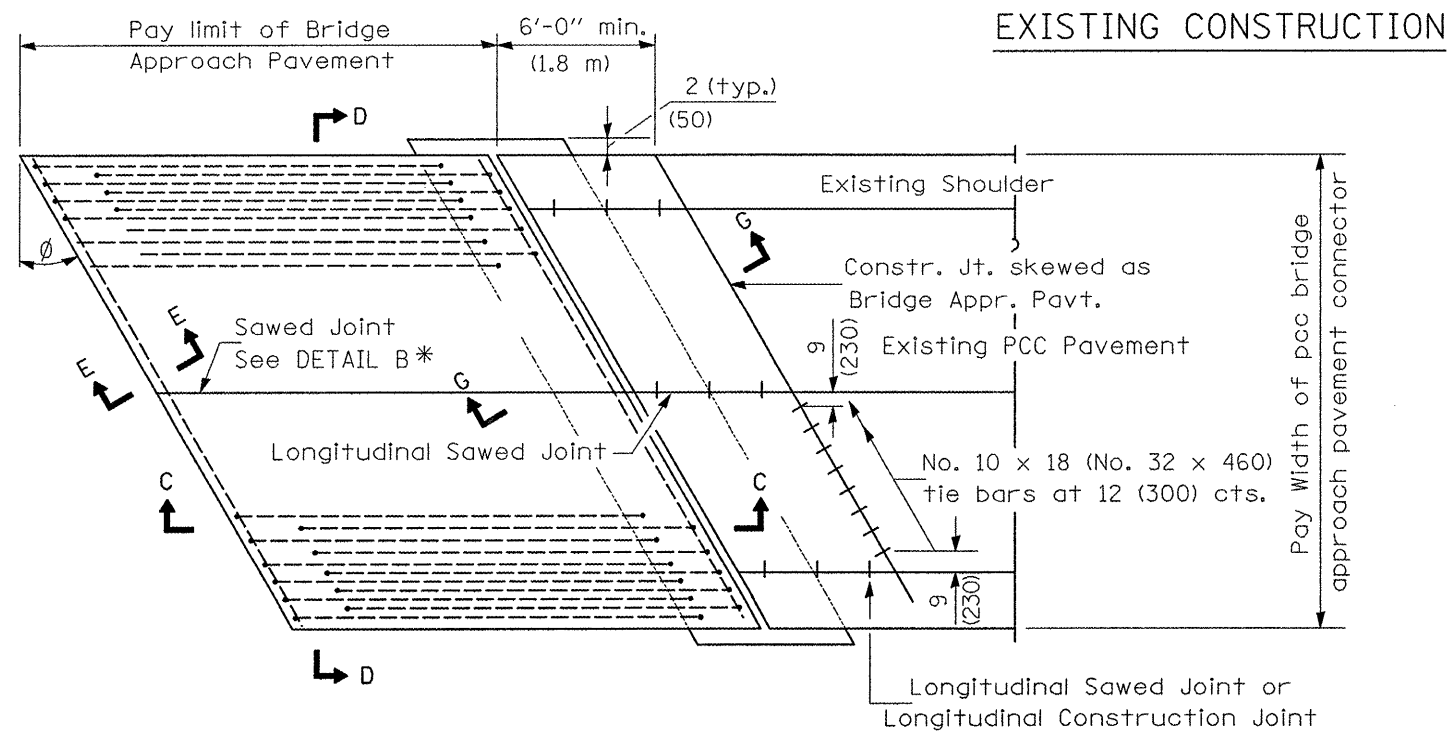
SECTION G-G - FLEXIBLE PAVEMENT
(Showing reinforcement)

GENERAL NOTES

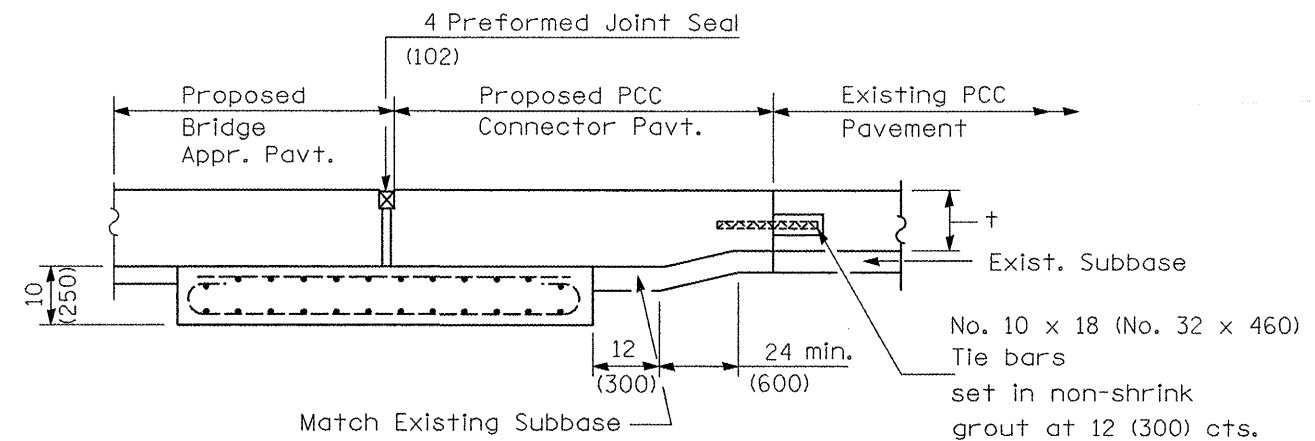
THICKNESS-"t"=Thickness of Pavement.
See Standard 421001 for reinforcement details not shown.
See Standard 420001 for joint details not shown.
All dimensions are in inches (millimeters) unless otherwise shown.

* Saw \perp or lane edge if poured two or more lane widths at a time.
** Omit Reinforcement, tie bars and Long. sawed Jt. for Flexible Pavement.

FILE NAME = ...approach detail.dgn	USER NAME = Plotted by flin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH PAVEMENT DETAIL US 150 OVER LITTLE FARM CREEK	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -			6757	(105B) BR-2, (105B) BR-3	TAZEWELL	133A	133	
	PLOT DATE = 10/15/2008	CHECKED -	REVISED -			CONTRACT NO. 68086					
		DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					

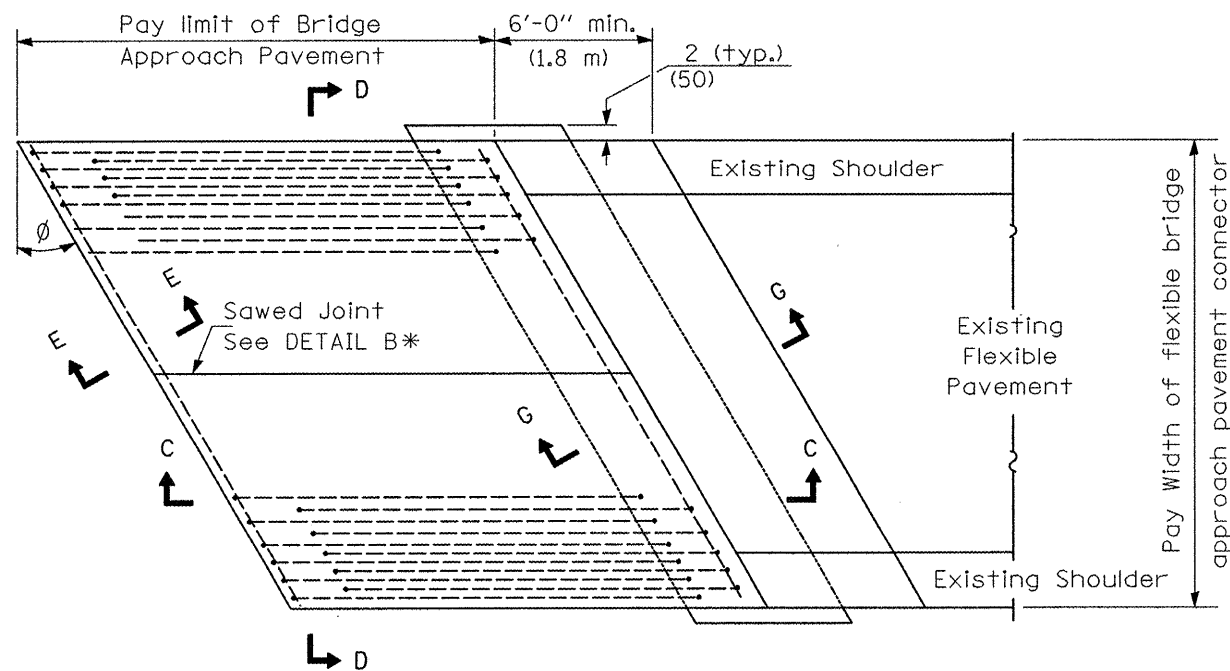


EXISTING CONSTRUCTION

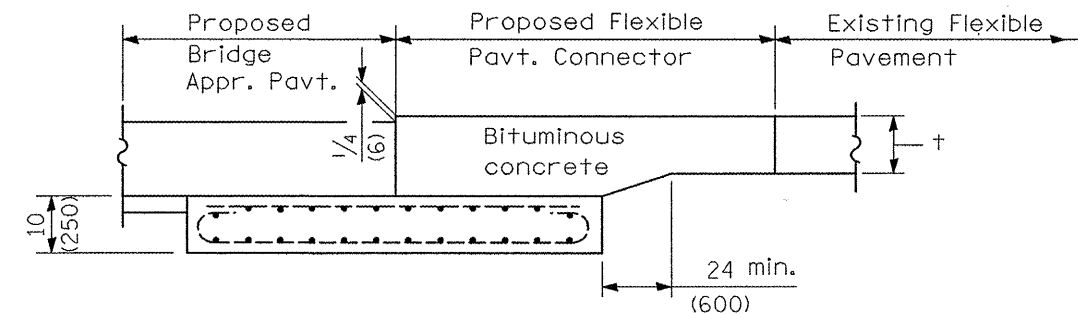


SECTION G-G - RIGID PAVEMENT

BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)

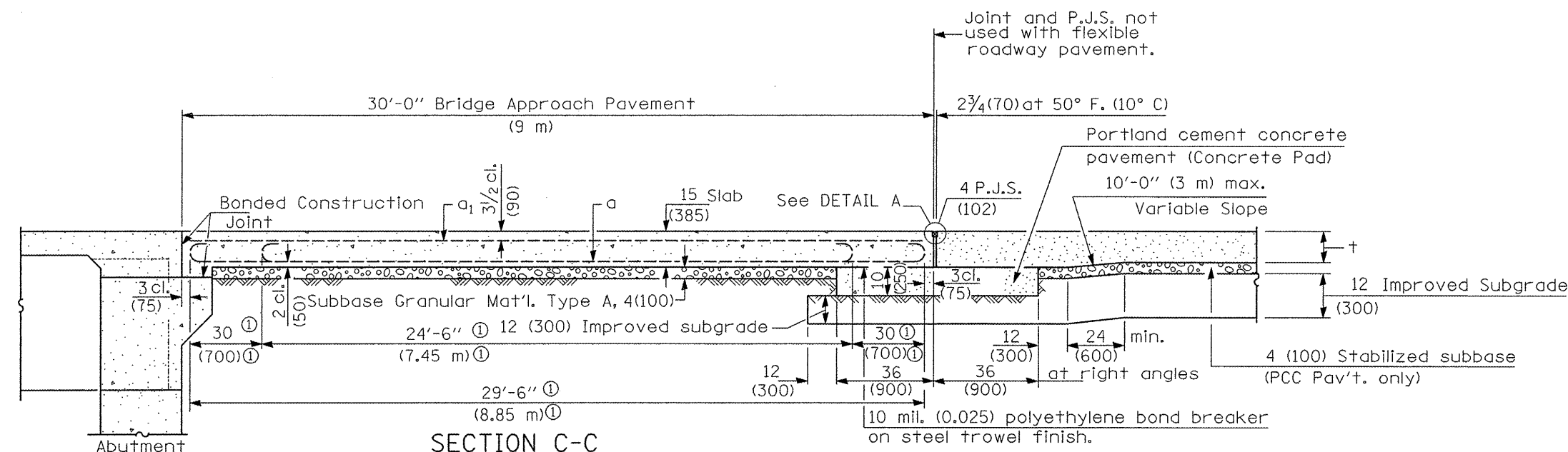


BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)

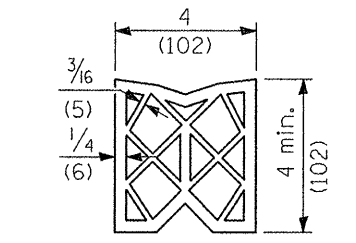


SECTION G-G - FLEXIBLE PAVEMENT

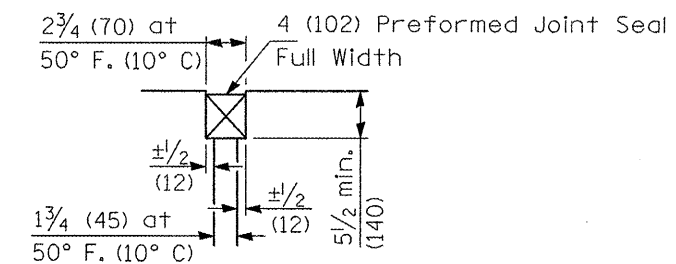
FILE NAME = ...approach detail.dgn	USER NAME = Plotted by flin	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH PAVEMENT DETAIL US 150 OVER LITTLE FARM CREEK	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			6757	(105B) BR-2, (105B) BR-3	TAZEWELL	133B	133	
		PLOT SCALE = 48.0000' / IN.	CHECKED -			REVIS					CONTRACT NO, 68086
		PLOT DATE = 10/15/2008	DATE -			REVISED -	NOT TO SCALE	SHEET NO. 2 OF 4 SHEETS	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



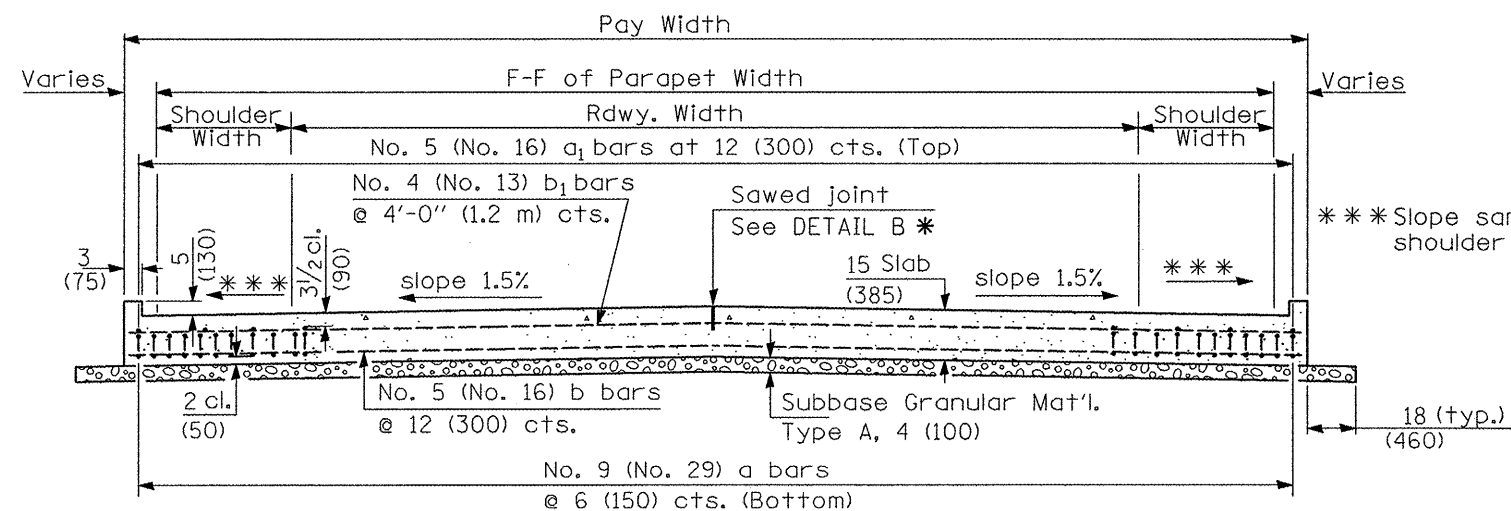
① Stagger No. 9 (No. 29) a bars as shown on plan - full width



PREFORMED JOINT SEAL

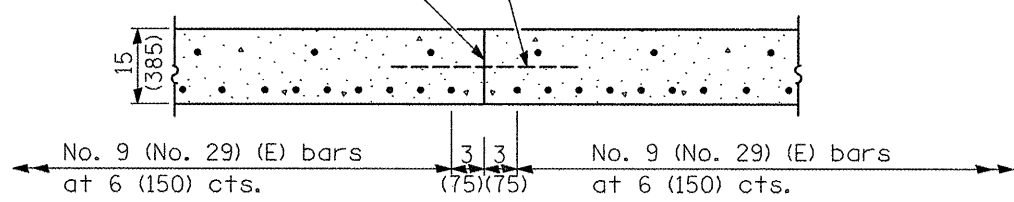


DETAIL A



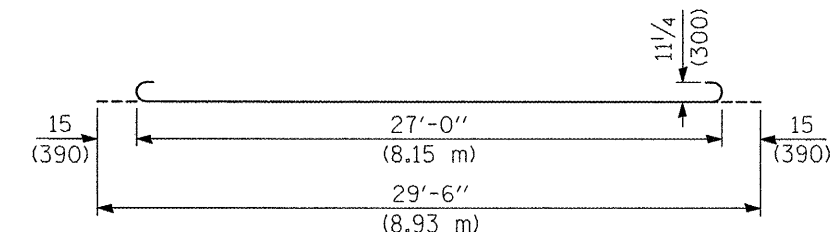
SECTION D-D
(See Plan for Dimensions not shown)

Longitudinal Construction Joint in accordance with details shown on Standard 420001.

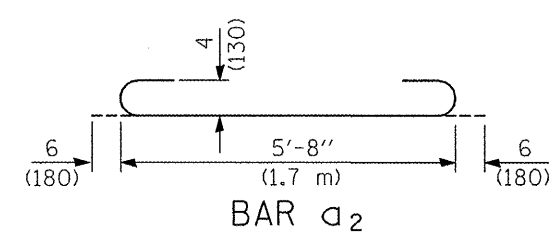


OPTIONAL LONGITUDINAL CONSTRUCTION JOINT

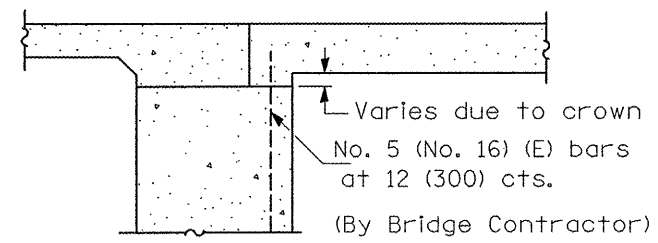
As approved by the Engineer, the Contractor may elect to reduce the widths of pour by use of the Optional Longitudinal Construction Joint shown. Joints shall be located at the edge of a traffic lane.



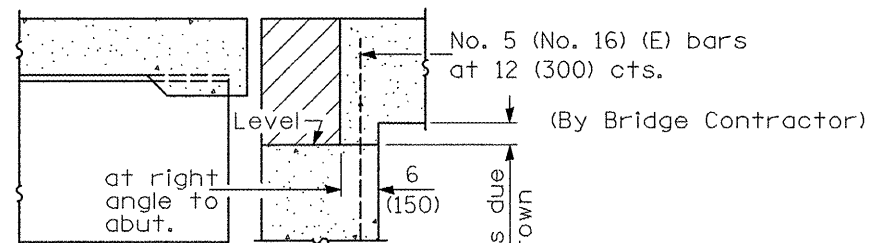
BAR a



BAR a2



SECTION E-E
(Integral Abutments)



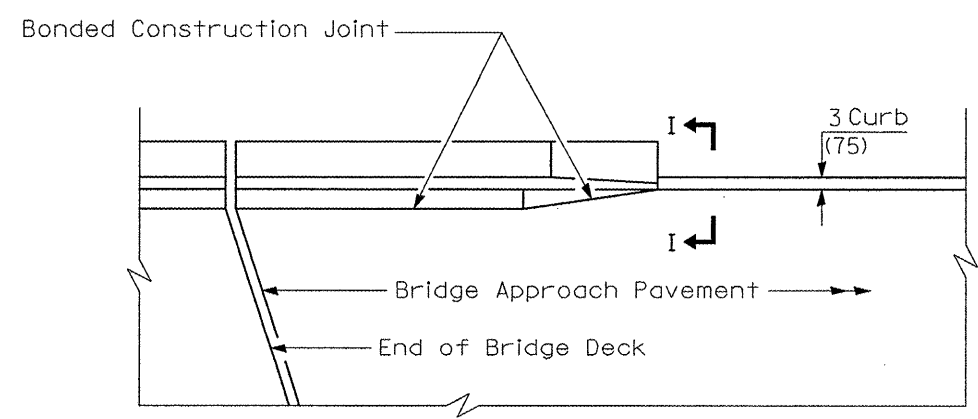
SECTION E-E
(Jointed Abutments)

DESIGN STRESSES
 fy = 60,000 p.s.i. (400 MPa)
 f'c = 3,500 p.s.i. (24 MPa)
 n = 8.5

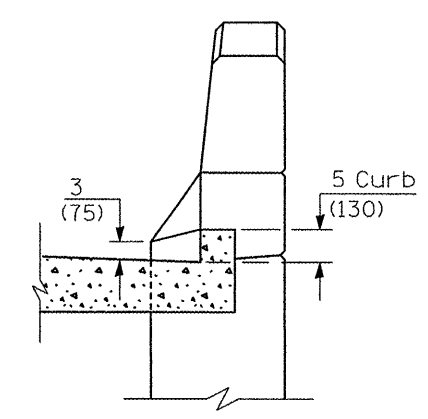
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH PAVEMENT DETAIL
 US 150 OVER LITTLE FARM CREEK

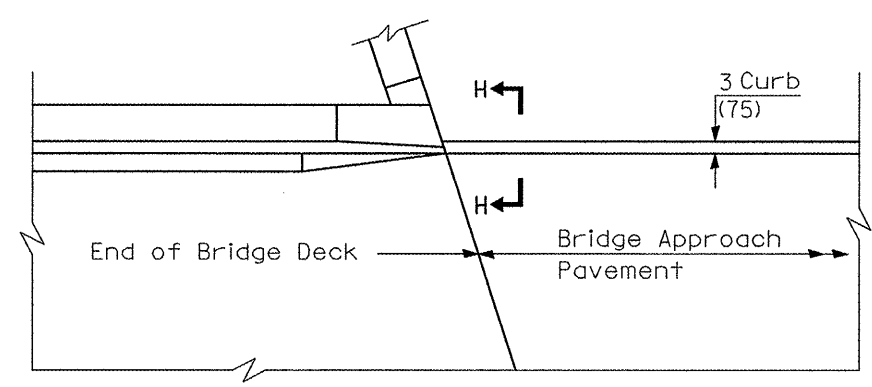
FILE NAME = ...approach detail.dgn	USER NAME = Plotted by flin	DESIGNED -	REVISED -	NOT TO SCALE	SHEET NO. 3 OF 4 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 48.0000' / IN.	DRAWN -	REVISED -			6757	(105B) BR-2, (105B) BR-3	TAZEWELL	133C	133	
	PLOT DATE = 10/15/2008	CHECKED -	REVISED -			CONTRACT NO. 68086					
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



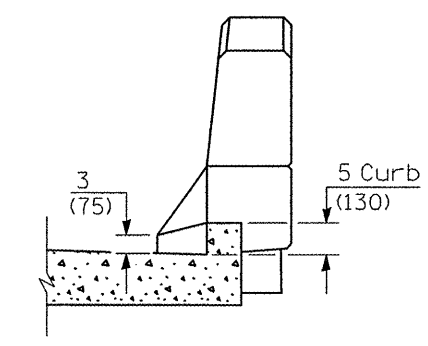
PARAPET TO CURB TRANSITION
PILE BENT ABUTMENT



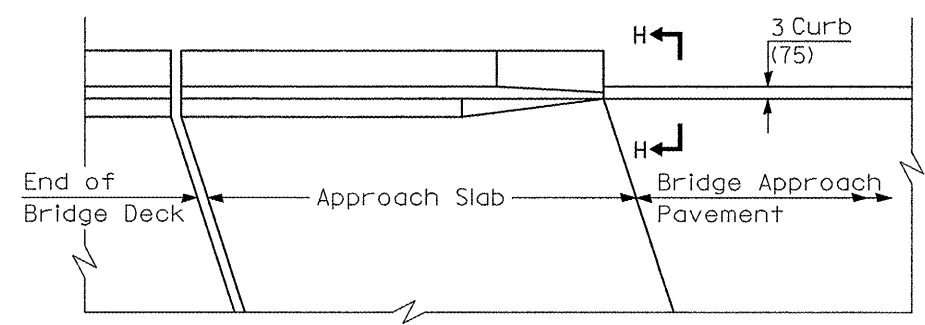
SECTION I - I



PARAPET TO CURB TRANSITION
INTEGRAL ABUTMENT



SECTION H - H



PARAPET TO CURB TRANSITION
VAULTED ABUTMENT

FILE NAME = ...approach detail.dgn	USER NAME = Plotted by flin	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH PAVEMENT DETAIL
US 150 OVER LITTLE FARM CREEK

NOT TO SCALE SHEET NO. 4 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6757	(105B) BR-2, (105B) BR-3	TAZEWELL	1330	133
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68086	