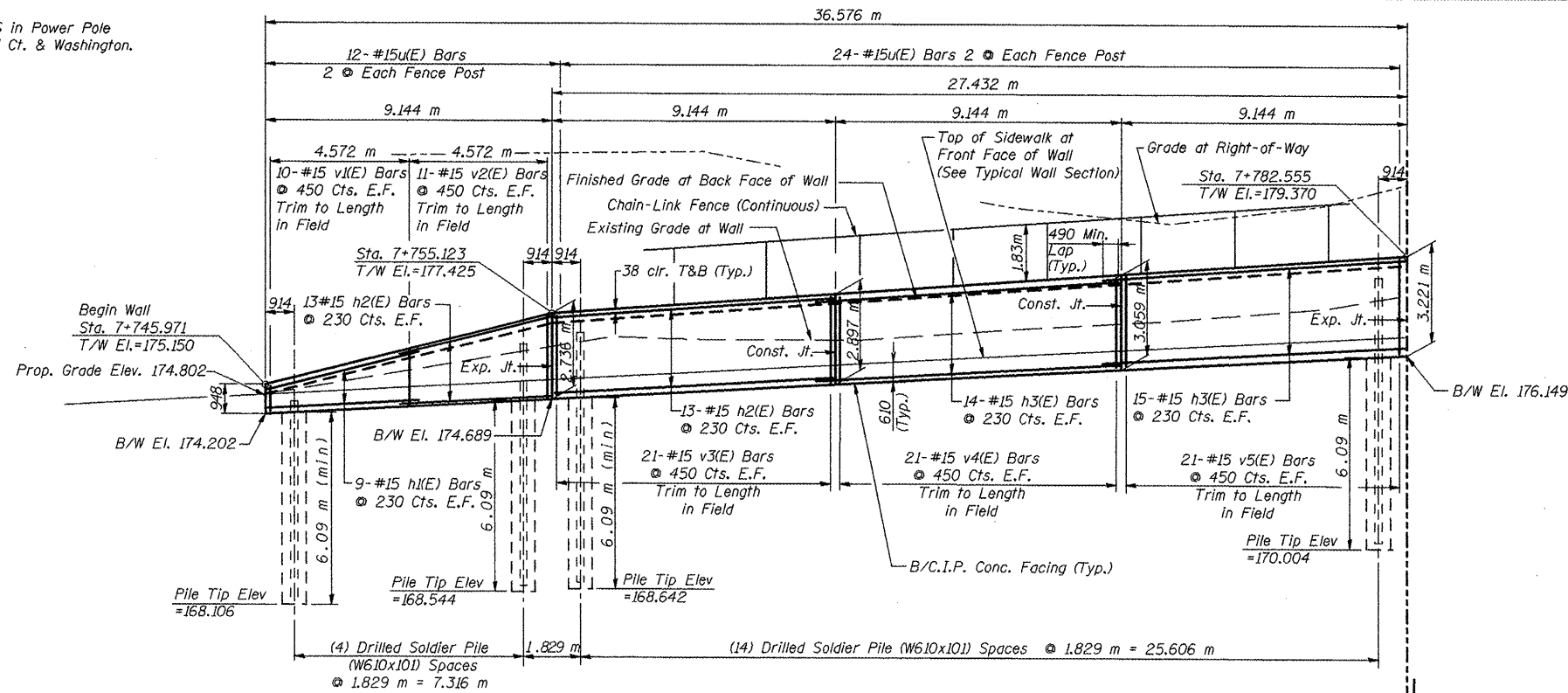


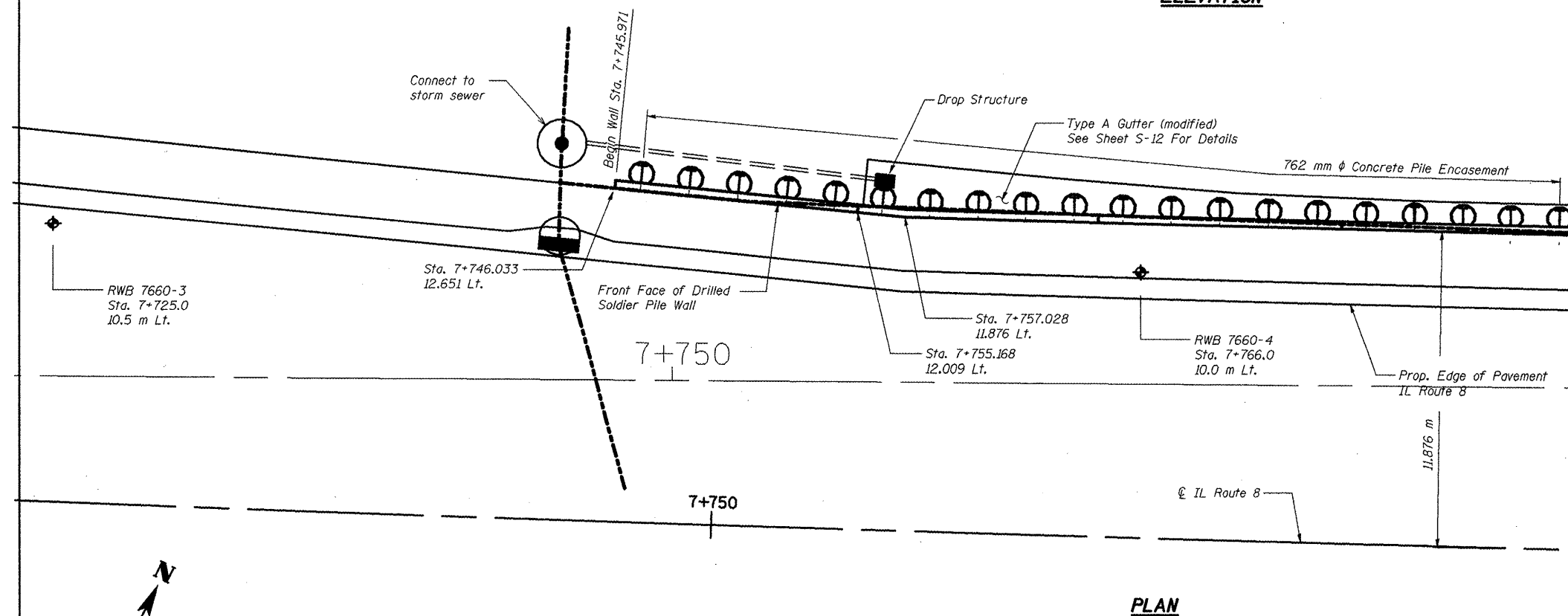
Benchmark: BM #108: Sta. 8+056.715, 13.327 m RT RRS in Power Pole
 100 m ± E of Easterly Intersection of Donald Ct. & Washington.
 Elevation = 191.037

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	201
STA 7+663.000 TO STA 10+011.000				
FED. ROAD DIST. NO. 4			ILLINOIS FED. AID PROJECT	

Contract No. 88859
 SHT. S-04 of S-35



ELEVATION



PLAN

Notes: All Dimensions Are In Millimeters Unless Otherwise Noted.

See Sheet S-05 For Continuation Of Wall.

See Sheet S-11 For Bill Of Material.

See Sheets S-12 & S-13 For Typical Wall Sections and Details.

See Sheet S-14 For Fence Details.

E.F. = Each Face

T&B = Top & Bottom

B/W = Bottom of Wall

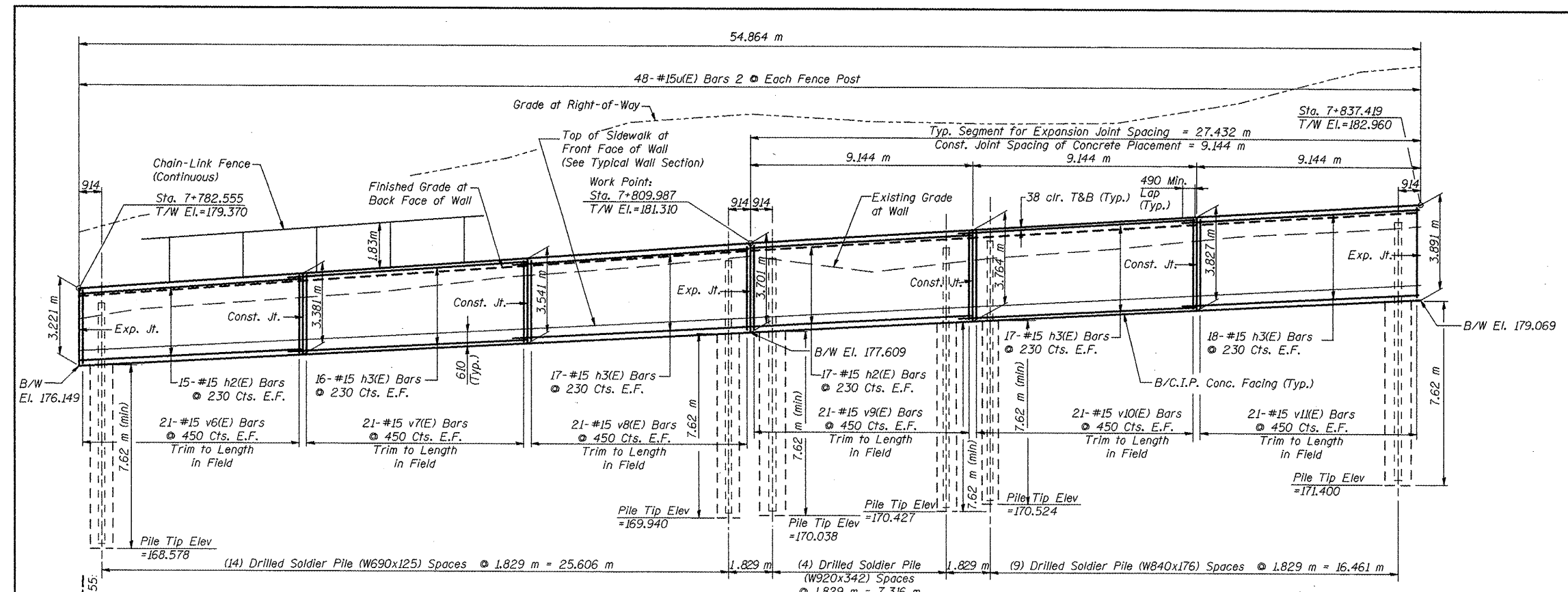
REVISIONS	
NAME	DATE
LCE	2-26-10

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 8 - SEGMENT 2
 S.N 090-8516
 FAP 399 SECTION 36R-1, 37R-2
 TAZEWELL COUNTY
 SOLDIER PILE WALL PLAN AND ELEVATION
 STA. 7+745 TO STA. 7+782
 DESIGNED BY: J.NEU DRAWN BY: K.MILLER
 DATE: 2-05 CHECKED BY: A.HALL CHECKED BY: J.NEU

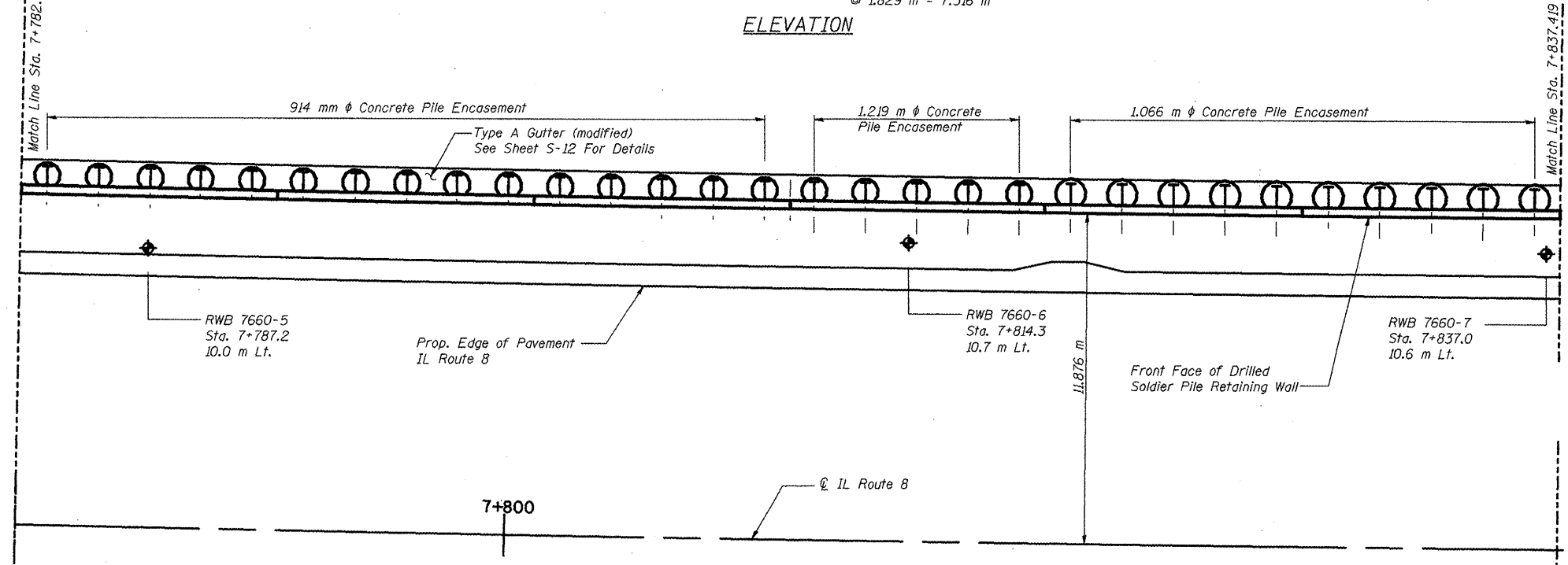


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	202
STA 7+663.000			TO STA 10+011.000	
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

Contract No. 88859
SHT. S-05 of S-35



ELEVATION



PLAN

Notes: All Dimensions Are In Millimeters Unless Otherwise Noted.
See Sheets S-04 & S-06 For Continuation Of Wall.
See Sheet S-11 For Bill Of Material.
See Sheets S-12 & S-13 For Typical Wall Sections and Details.
See Sheet S-14 For Fence Details.
E.F. = Each Face
T&B = Top & Bottom
B/W = Bottom of Wall

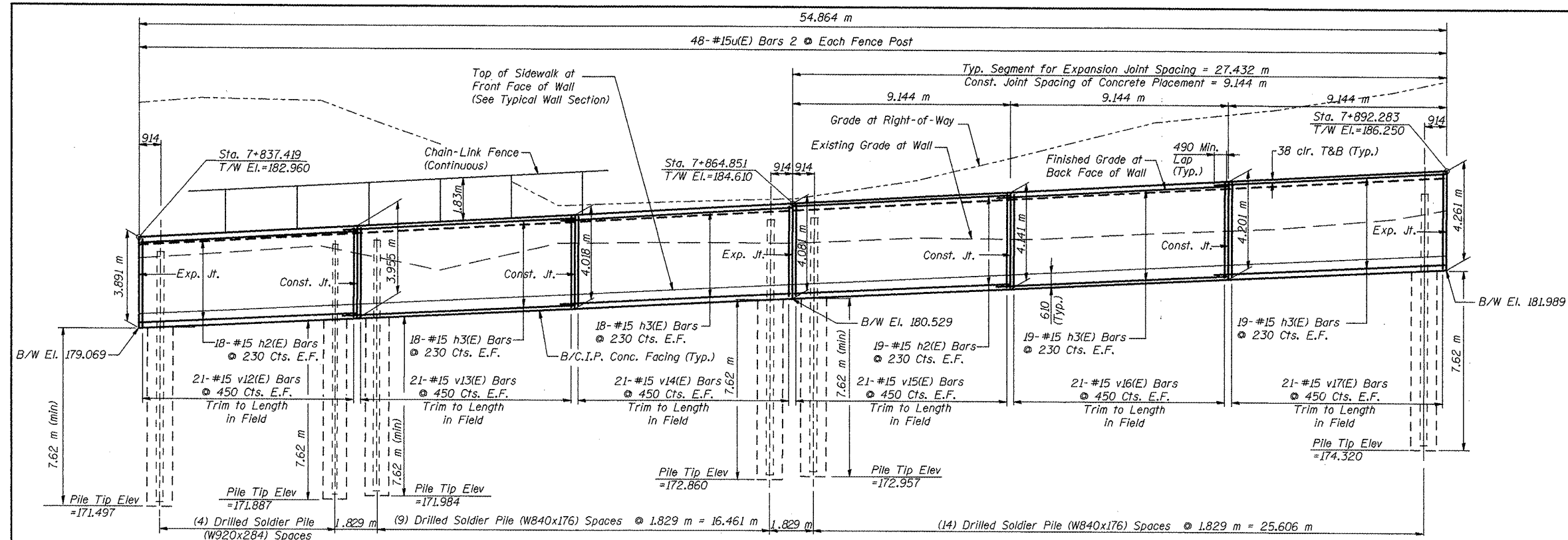
REVISIONS	
NAME	DATE
LCE	2-26-10

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 8 - SEGMENT 2
S.N 090-8516
FAP 399 SECTION 36R-1, 37R-2
TAZEWELL COUNTY
SOLDIER PILE WALL PLAN AND ELEVATION
STA. 7+782 to STA. 7+837
DESIGN BY: J.D. DESIGNED BY: J.NEU DRAWN BY: K.MILLER
DATE: 2-05 CHECKED BY: A.HALL CHECKED BY: J.NEU

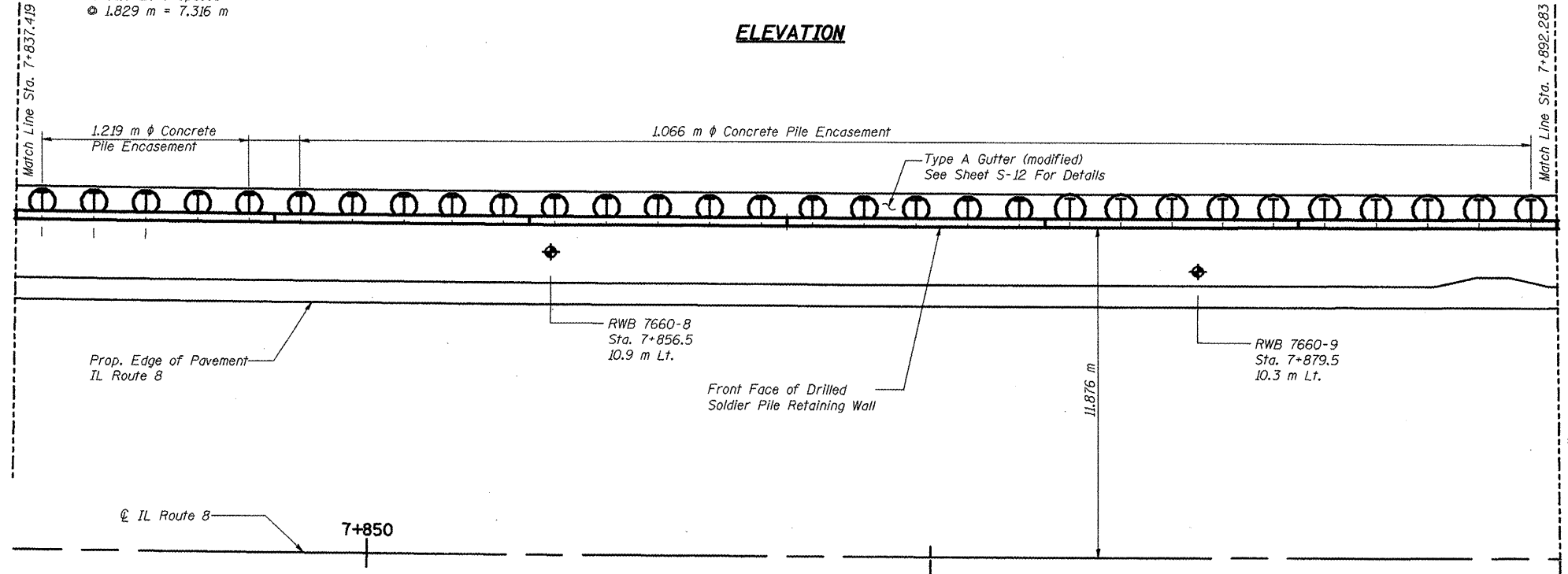


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	203
STA 7+663.000			TO STA 10+011.000	
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

Contract No. 88859
SHT. S-06 of S-35



ELEVATION



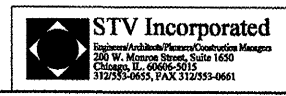
PLAN

Notes: All Dimensions Are In Millimeters Unless Otherwise Noted.
See Sheets S-05 & S-07 For Continuation Of Wall.
See Sheet S-11 For Bill Of Material.
See Sheets S-12 & S-13 For Typical Wall Sections and Details.
See Sheet S-14 For Fence Details.
E.F. = Each Face
T&B = Top & Bottom
B/w = Bottom of Wall



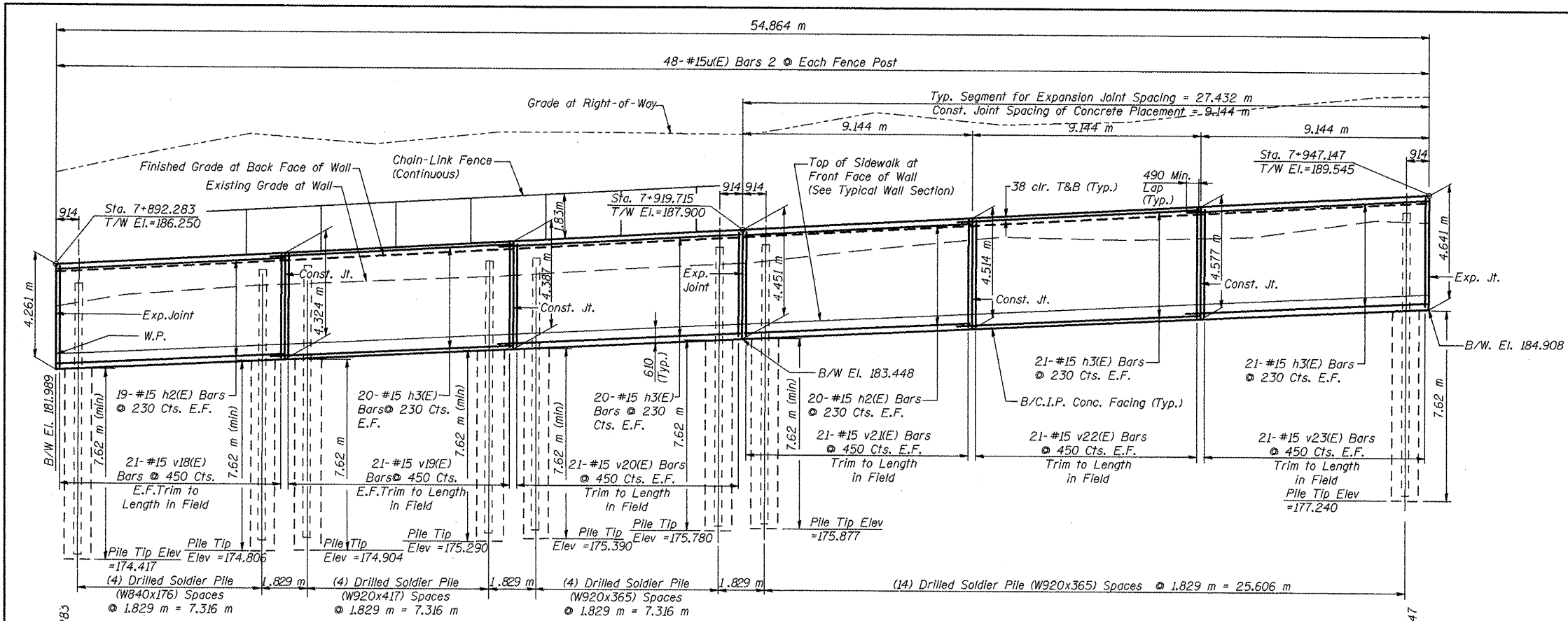
REVISIONS	
NAME	DATE
LCE	2-26-10

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 8 - SEGMENT 2
S.N 090-8516
FAP 399 SECTION 36R-1, 37R-2
TAZEWELL COUNTY
SOLDIER PILE WALL PLAN AND ELEVATION
STA. 7+837 to STA. 7+892
DESIGNED BY: J.NEU DRAWN BY: K.MILLER
DATE: 2-05 CHECKED BY: A.HALL CHECKED BY: J.NEU

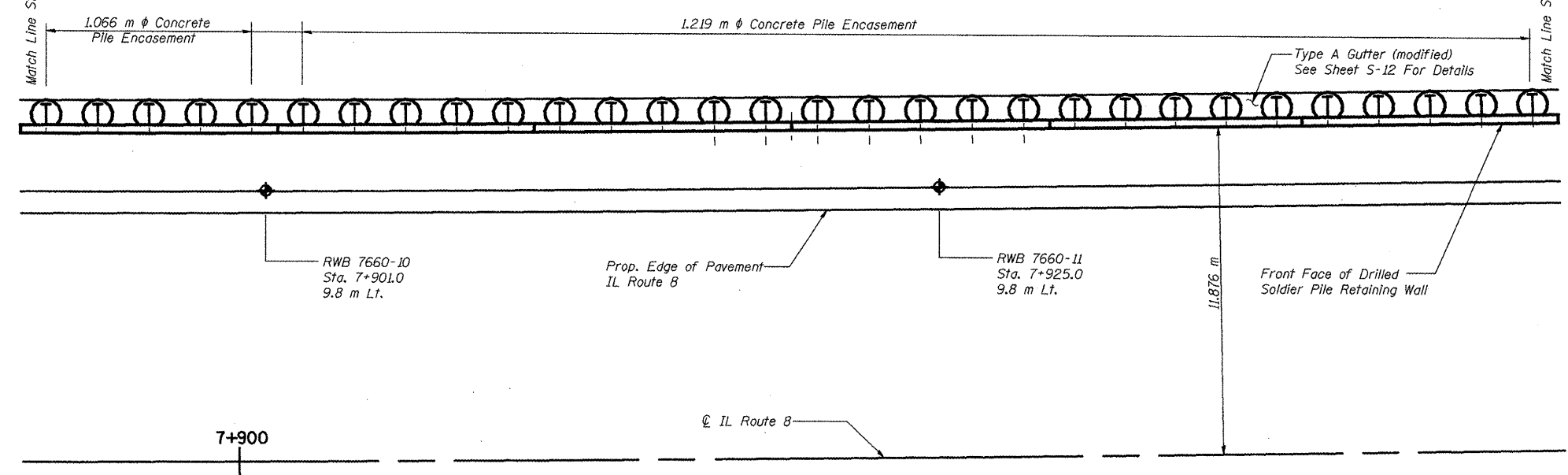


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1.37R-2	TAZEWELL	449	204
STA 7+663.000		TO STA 10+011.000		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

Contract No. 88859
SHT. 5-07 of S-35



ELEVATION



PLAN

Notes: All Dimensions Are In Millimeters Unless Otherwise Noted.
See Sheets S-06 & S-08 For Continuation Of Wall.
See Sheet S-11 For Bill Of Material.
See Sheets S-12 & S-13 For Typical Wall Sections and Details.
See Sheet S-14 For Fence Details.
E.F. = Each Face
T&B = Top & Bottom
B/W = Bottom of Wall



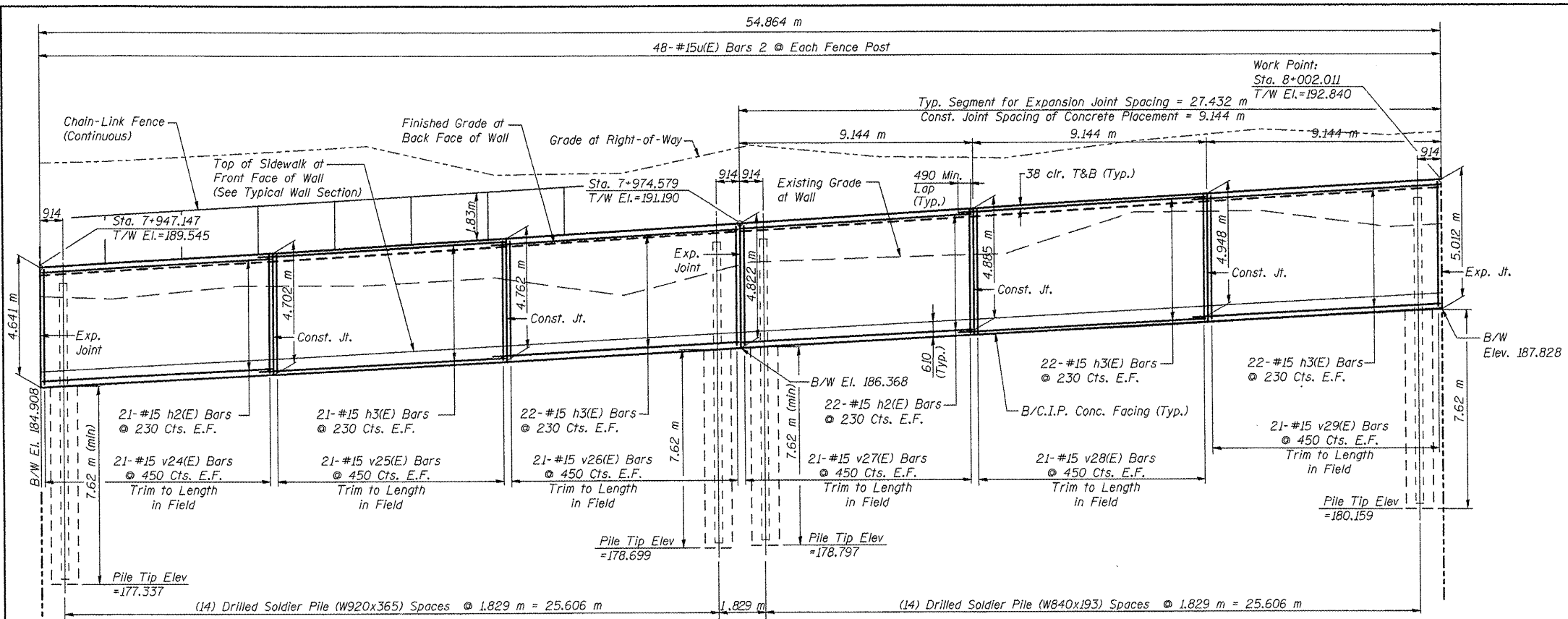
Note:
All dimensions are in millimeters unless otherwise noted.



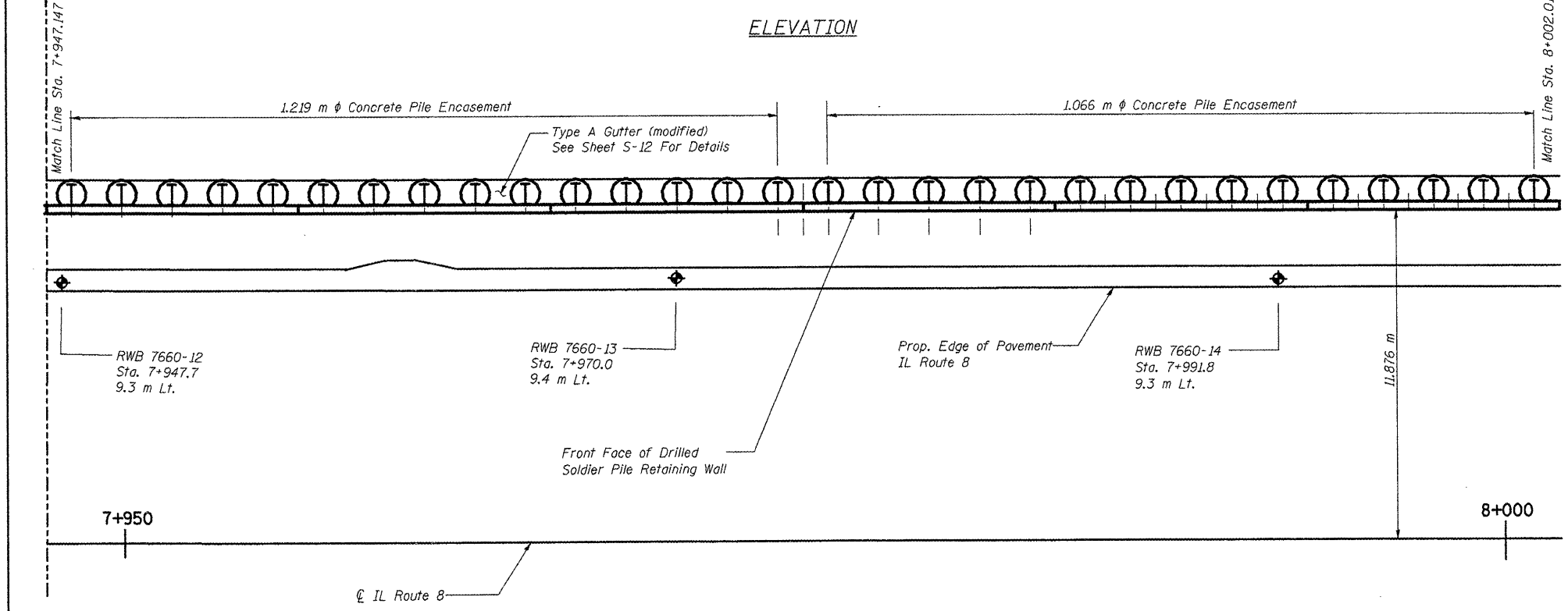
REVISIONS	
NAME	DATE
LCE	2-26-10

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 8 - SEGMENT 2
S.N 090-8516
FAP 399 SECTION 36R-1. 37R-2
TAZEWELL COUNTY
SOLDIER PILE WALL PLAN AND ELEVATION
STA. 7+892 to STA. 7+947
DESIGNED BY: J.NEU DRAWN BY: K.MILLER
DATE: 2-05 CHECKED BY: A.HALL CHECKED BY: J.NEU

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	205
STA 7+663.000		TO STA 10+011.000		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		
Contract No. 88859				
SHT. 5-08 of 5-35				



ELEVATION



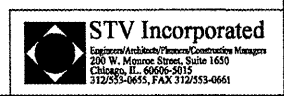
PLAN

Notes: All Dimensions Are In Millimeters Unless Otherwise Noted.
 See Sheets S-07 & S-09 For Continuation Of Wall.
 See Sheet S-11 For Bill Of Material.
 See Sheets S-12 & S-13 For Typical Wall Sections and Details.
 See Sheet S-14 For Fence Details.
 E.F. = Each Face
 T&B = Top & Bottom
 B/W = Bottom of Wall



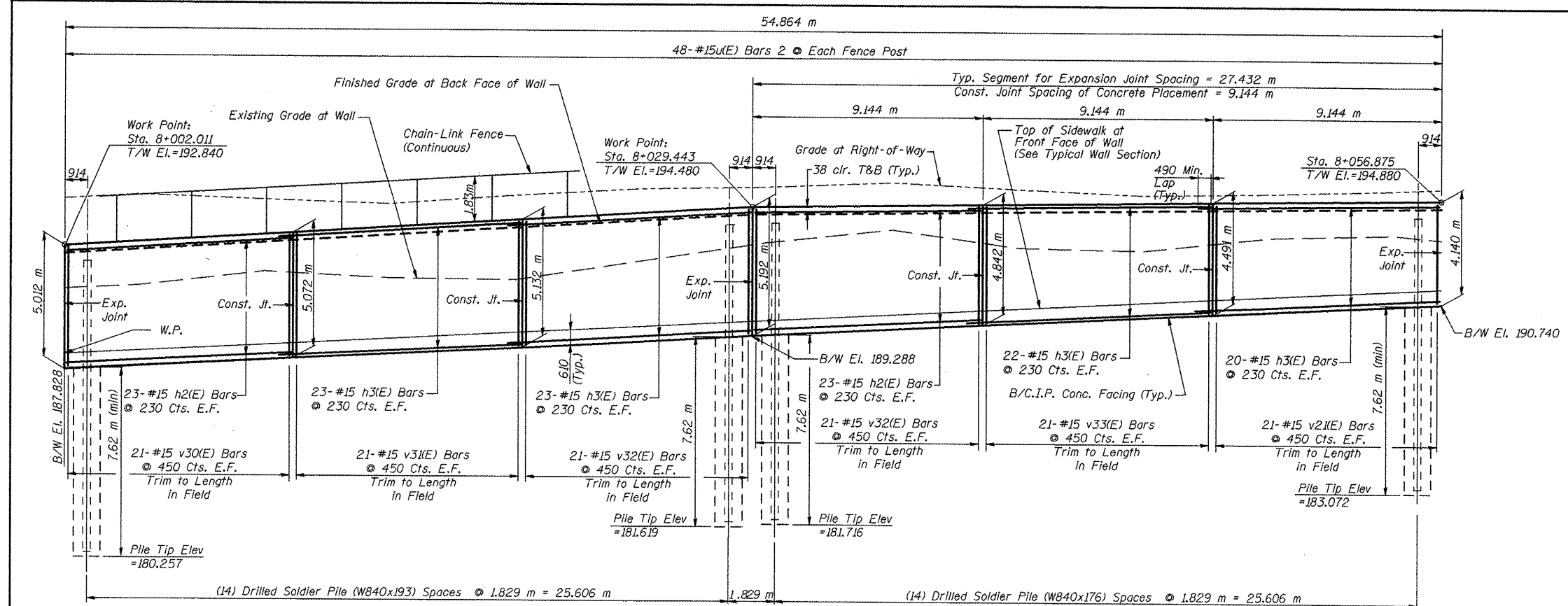
REVISIONS	
NAME	DATE
LCE	2-26-10

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 8 - SEGMENT 2
 S.N 090-8516
 FAP 399 SECTION 36R-1, 37R-2
 TAZEWELL COUNTY
 SOLDIER PILE WALL PLAN AND ELEVATION
 STA. 7+947 TO STA. 8+002
 DESIGNED BY: J.NEU DRAWN BY: K.MILLER
 DATE: 2-05 CHECKED BY: A.HALL CHECKED BY: J.NEU

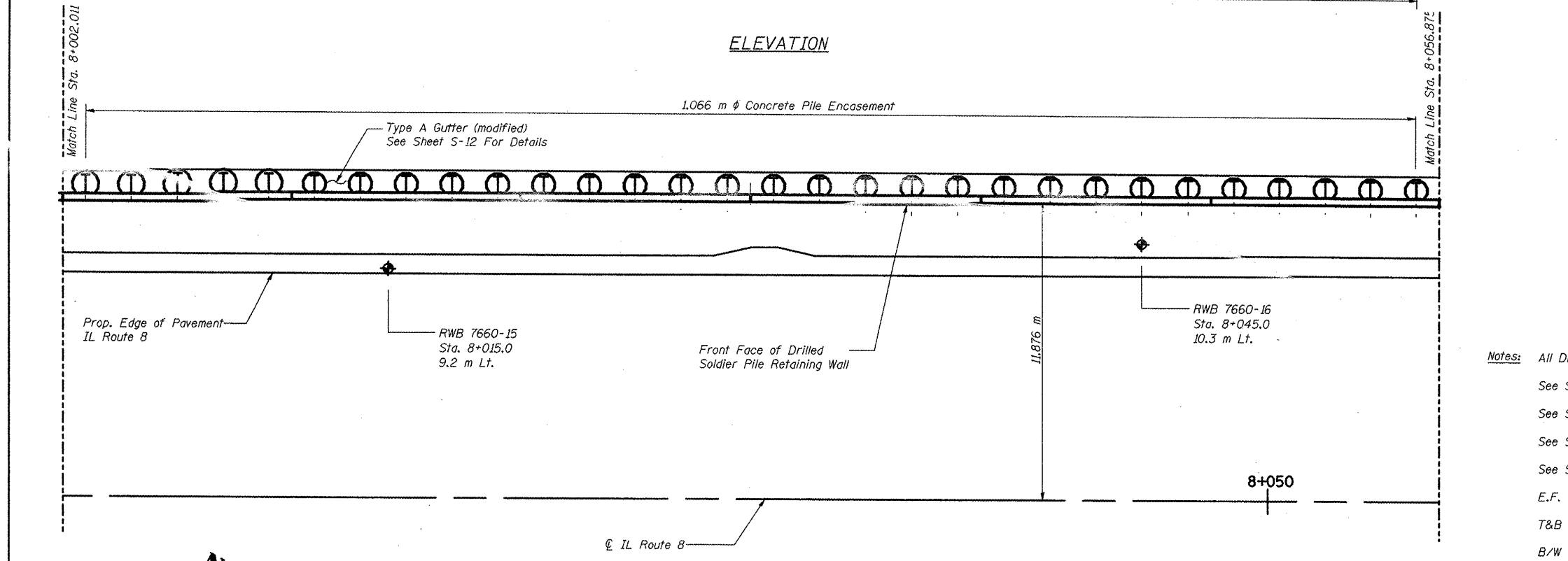


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	206
STA 7+663.000			TO STA 10+011.000	
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

Contract No. 88859
SHT. S-09 of S-35



ELEVATION



PLAN

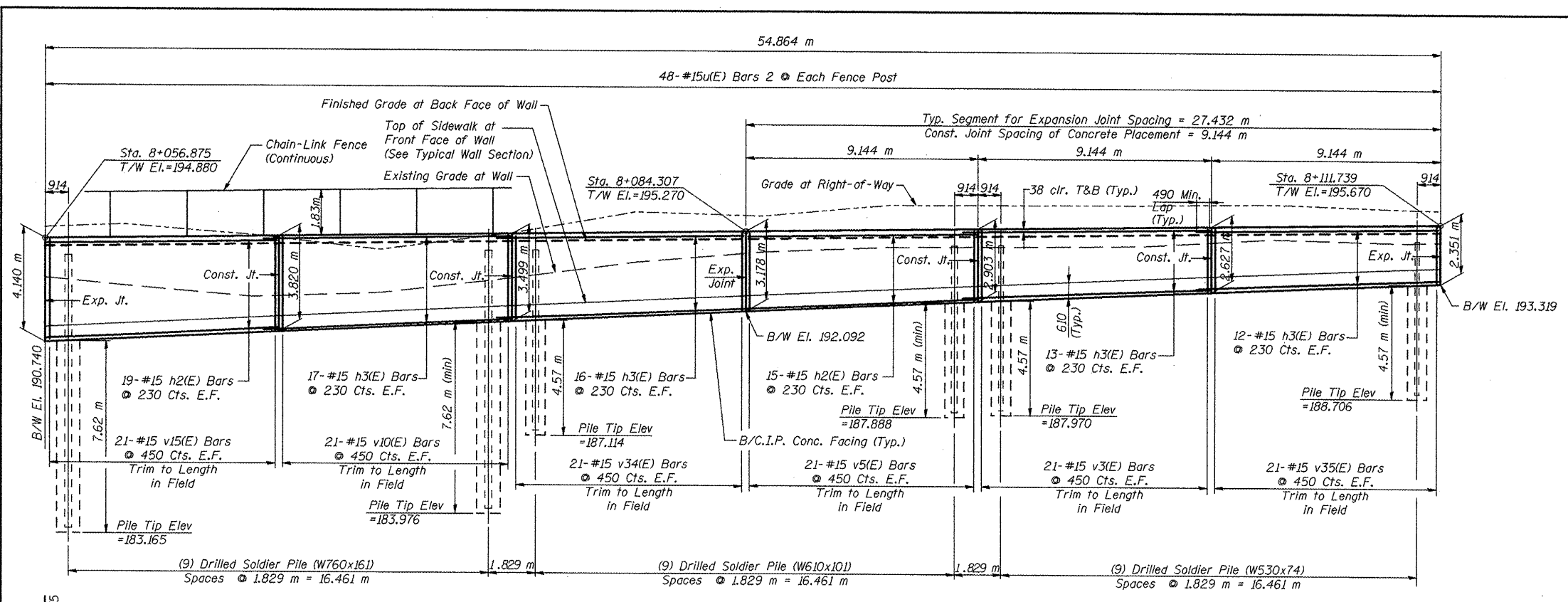
Notes: All Dimensions Are In Millimeters Unless Otherwise Noted.
See Sheets S-08 & S-10 For Continuation Of Wall.
See Sheet S-11 For Bill Of Material.
See Sheets S-12 & S-13 For Typical Wall Sections and Details.
See Sheet S-14 For Fence Details.
E.F. = Each Face
T&B = Top & Bottom
B/W = Bottom of Wall

REVISIONS	
NAME	DATE
LCE	2-26-10

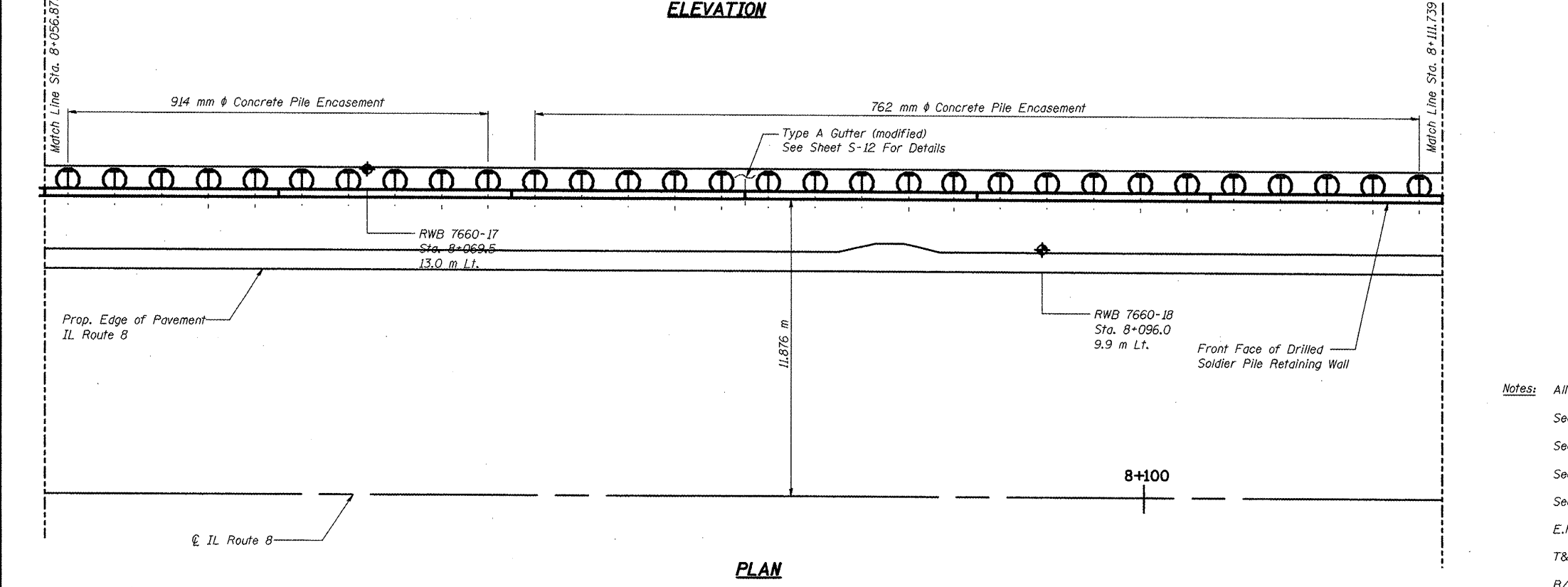
ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 8 - SEGMENT 2
S.N 090-8516
FAP 399 SECTION 36R-1, 37R-2
TAZEWELL COUNTY
SOLDIER PILE WALL PLAN AND ELEVATION
STA. 8+002 to STA. 8+056
DESIGNED BY: J.NEU DRAWN BY: K.MILLER
DATE: 2-05 CHECKED BY: A.HALL CHECKED BY: J.NEU



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	207
STA 7+663.000			TO STA 10+011.000	
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		
Contract No. 88859				
SHT. S-10 of S-35				

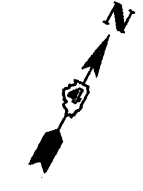


ELEVATION



PLAN

Notes: All Dimensions Are In Millimeters Unless Otherwise Noted.
 See Sheets S-09 & S-11 For Continuation Of Wall.
 See Sheet S-11 For Bill Of Material.
 See Sheets S-12 & S-13 For Typical Wall Sections and Details.
 See Sheet S-14 For Fence Details.
 E.F. = Each Face
 T&B = Top & Bottom
 B/W = Bottom of Wall

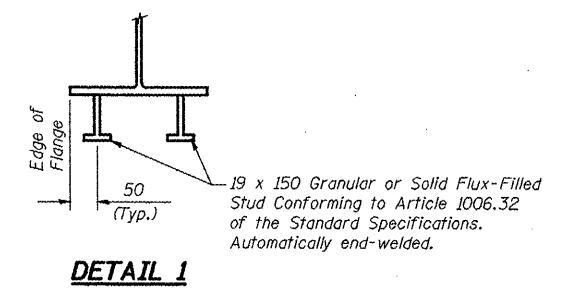
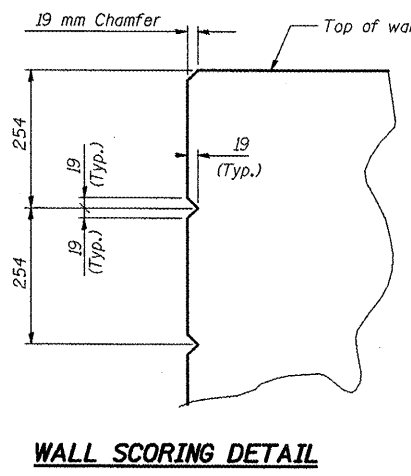
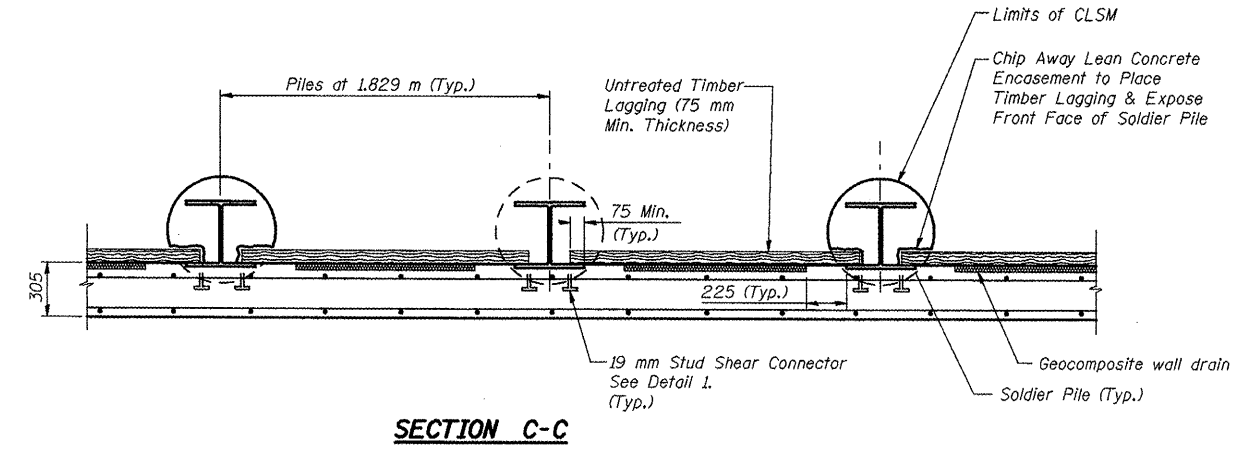
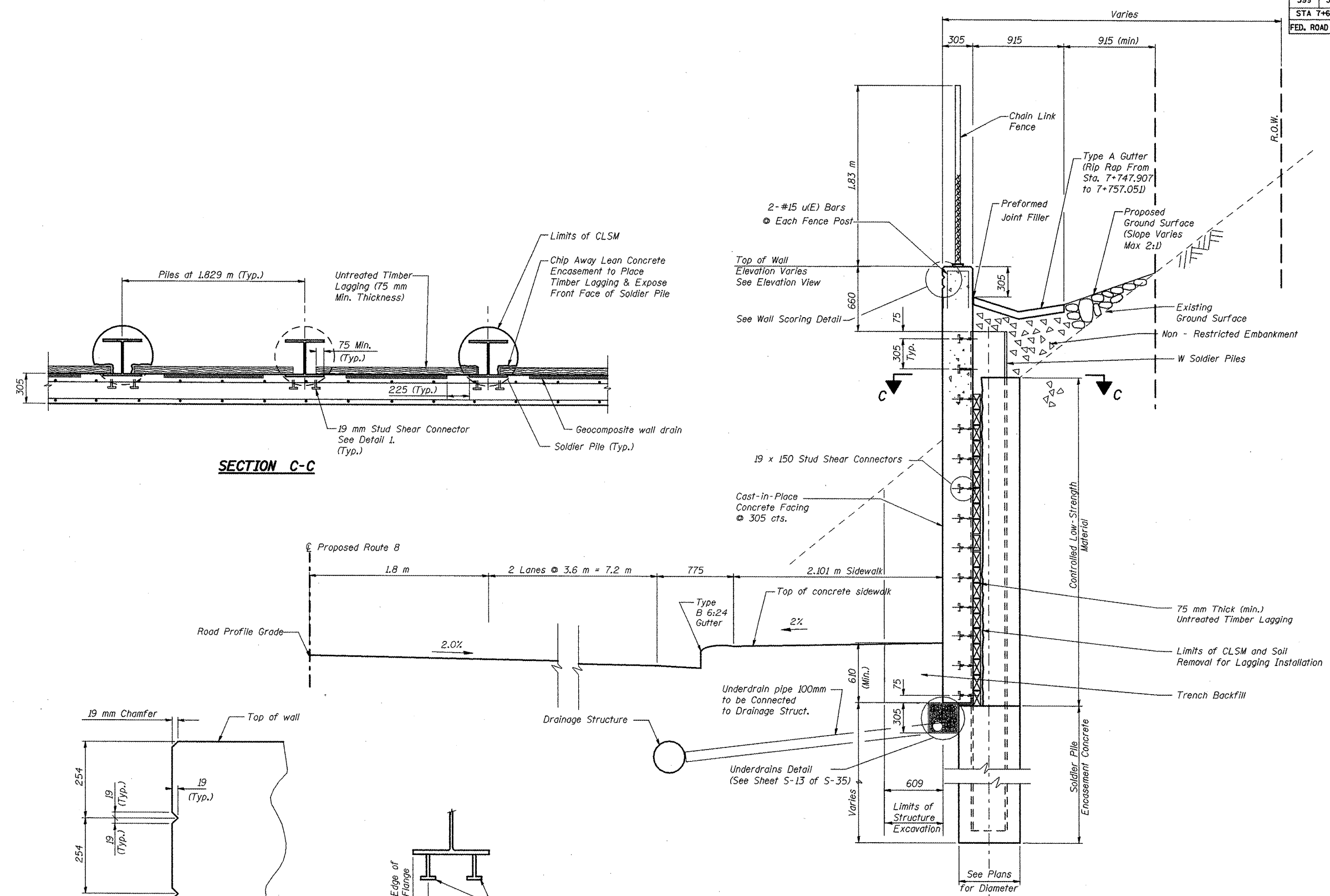


REVISIONS	
NAME	DATE
LCE	2-26-10

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 8 - SEGMENT 2
 S.N 090-8516
 FAP 399 SECTION 36R-1, 37R-2
 TAZEWELL COUNTY
 SOLDIER PILE WALL PLAN AND ELEVATION
 STA. 8+056 to STA. 8+111
 DESIGNED BY: J.NEU DRAWN BY: K.MILLER
 DATE: 2-05 CHECKED BY: A.HALL CHECKED BY: J.NEU

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	209
STA 7+663.000		TO STA 10+011.000		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

Contract No. 88859
SHT. S-12 of S-35



TYPICAL WALL SECTION AT SOLDIER PILE

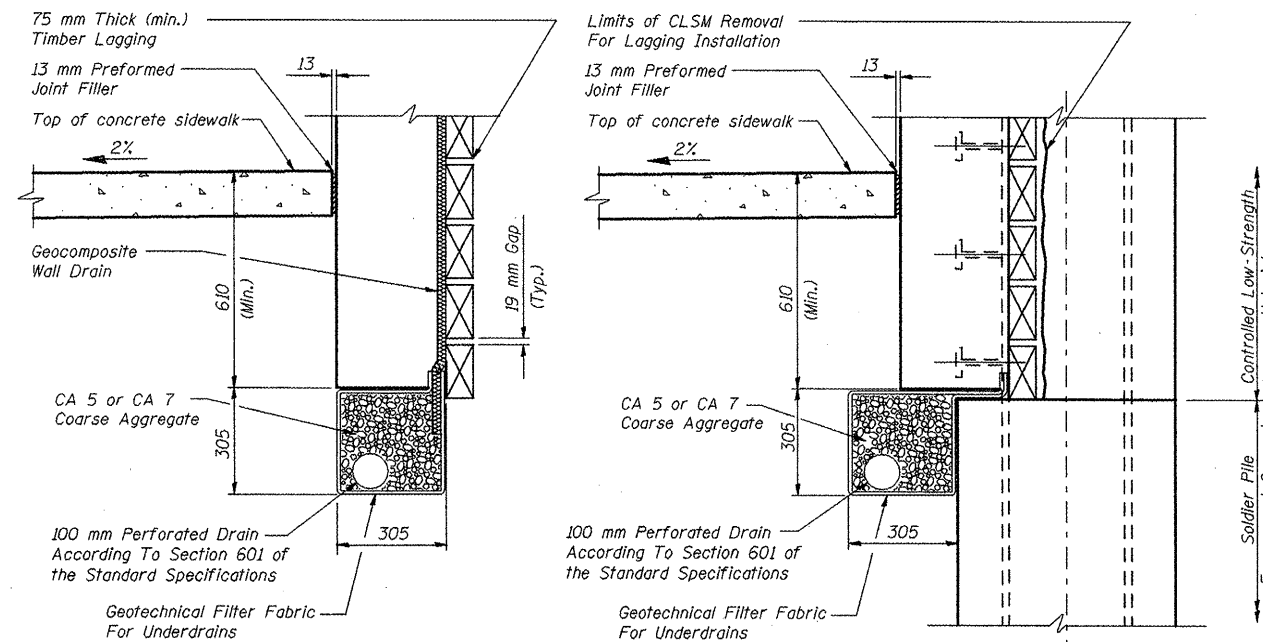
REVISIONS	
NAME	DATE
LCE	2-26-10

STV Incorporated
Engineers/Architects/Planners/Construction Managers
 220 W. Monroe Street, Suite 1650
 Chicago, IL 60606-5012
 312.253-0651, FAX 312.253-0661

ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL. RT. 8 - SEG. 2 FAP 399
 SECTION 36R-1, 37R-2 TAZEWELL COUNTY
 DRILLED SOLDIER PILE WALL
 STA 7+750 TO STA 8+150
 S.N. 090-8516
 DETAILS
 DESIGNED BY: J.NEU DRAWN BY: A.HENGELS
 CHECKED BY: A.HALL CHECKED BY: J.NEU
 DATE: 2-05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	210
STA 7+663.000		TO STA 10+011.000		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

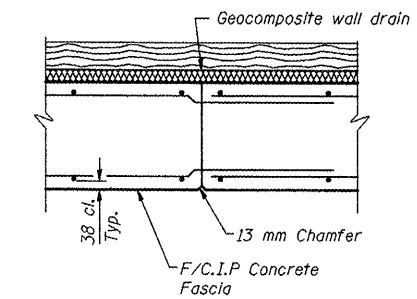
Contract # 88859
SHT. 5-13 of 5-35



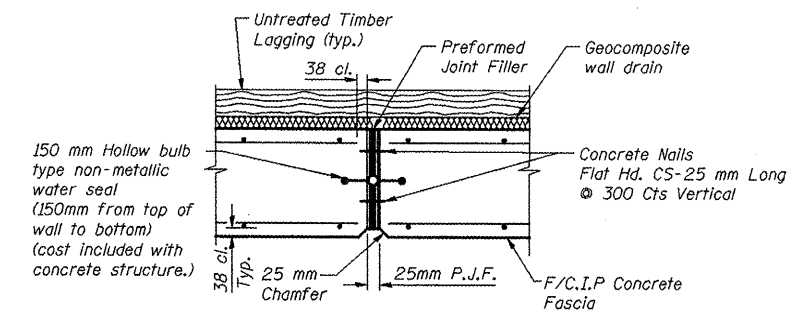
BETWEEN SOLDIER PILES

AT SOLDIER PILES

UNDERDRAINS DETAIL



SECTION A-A CONSTRUCTION JOINT DETAIL



SECTION B-B EXPANSION JOINT DETAIL

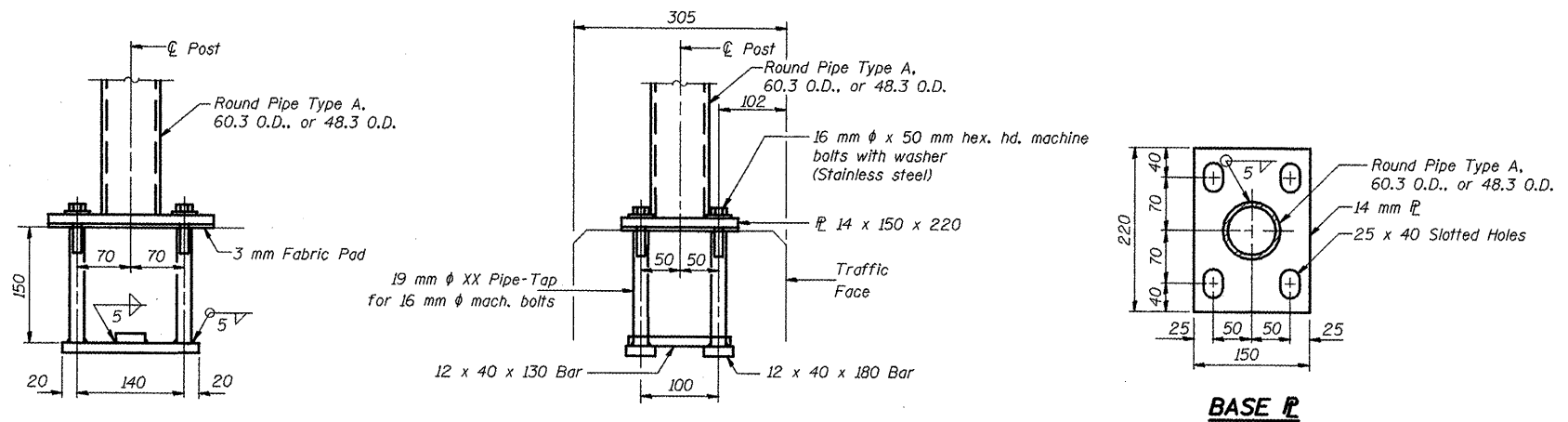
REVISIONS	
NAME	DATE
LCE	2-26-10

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL. RT. 8 - SEG. 2 FAP 399
SECTION 36R-1, 37R-2 TAZEWELL COUNTY
DRILLED SOLDIER PILE WALL
STA 7+750 TO STA 8+150
S.N. 090-8516
DETAILS

DESIGNED BY: J.NEU DRAWN BY: A.HENGELS
CHECKED BY: A.HALL CHECKED BY: J.NEU
DATE: 2-05

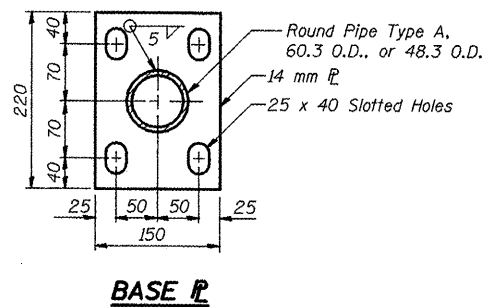


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	211
STA 7+663.000 TO STA 10+011.000			ILLINOIS FED. AID PROJECT	
FED. ROAD DIST. NO. 4				
Contract No. 88859				
SHT. 5-14 of 5-35				

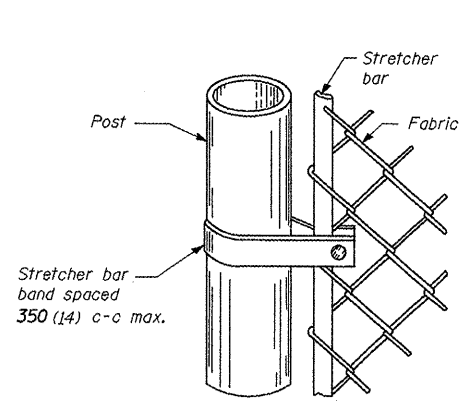


ANCHOR BOLT DETAILS

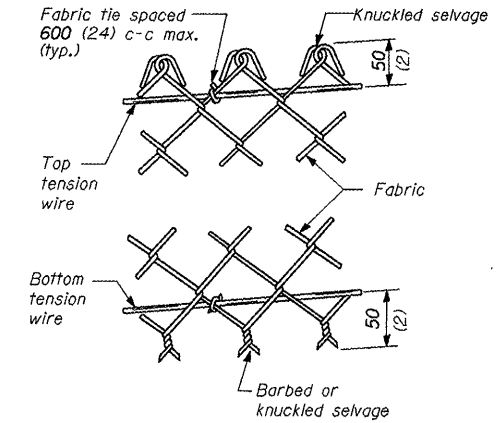
(In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and epoxy grouting M16 anchor rods. Embedment shall be according to the manufacturer's specifications.)



BASE P



**METHOD OF FASTENING
STRETCHER BAR TO POST**



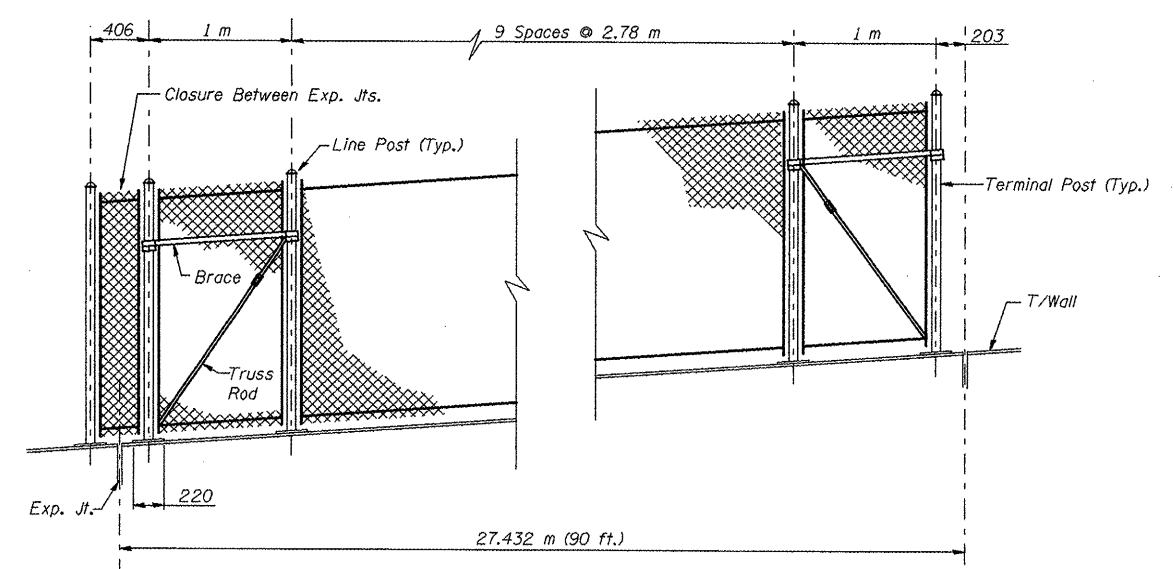
**METHOD OF TYING
FABRIC TO TENSION WIRES**

LINE POST	
Section	kg/m (lbs./ft.)
Pipe Type A 48.3 O.D. (1.90)	4.05 (2.72)

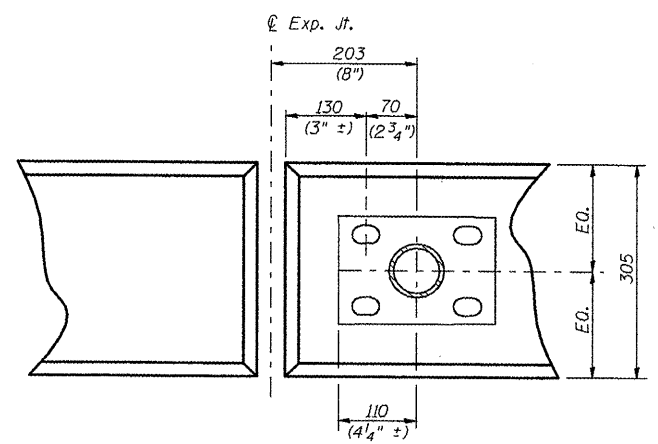
TERMINAL POST	
Section	kg/m (lbs./ft.)
Pipe Type A 60.3 O.D. (2.375)	5.43 (3.65)

HORIZONTAL BRACES	
Section	kg/m (lbs./ft.)
Pipe Type A 42.2 O.D. (1.66)	3.38 (2.27)
Pipe Type B 42.2 O.D. (1.66)	

- NOTES**
- Posts, chain link fence, and attaching hardware shall be according to Section 1006 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per meter for Chain Link Fence (Attached to Structure).
 - The 9 gauge (3.759 mm) fabric ties shall be according to Article 1006.27(d) of the Standard Specifications.
 - Installation of the chain link fabric shall be according to Section 664 of the Standard Specifications.
 - Stretcher bars shall be used at all end posts.
 - All other steel shapes and plates shall conform to the requirements of AASHTO M 270M Grade 250.
 - The chain link fabric shall be placed along the east side of the posts.
 - If the option of drilling and epoxy grouting the anchor rods is chosen, the Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge shall be sealed with premeasured amounts of the adhesive chemical.
 - Space reinforcement to miss anchor rods.
 - All dimensions are in millimeters (mm) except as noted.
 - All posts, railings, splices, anchor devices, and bent plates shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. All bolts, nuts, washers and anchor rods shall be galvanized according to AASHTO M 232 except stainless steel bolts as noted.
 - Vent holes for galvanizing shall be placed in the posts and rails at locations that will not allow the accumulation of moisture in the members.
 - The chain link fabric shall conform to the requirements of Article 1006.27(a)(1)(a, b or c) of the Standard Specifications.



TYPICAL CHAIN LINK FENCE BETWEEN EXPANSION JOINTS



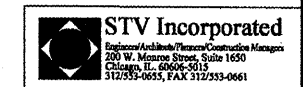
ANCHOR PLATE PLAN EXPANSION JOINT

BILL OF MATERIAL

Item	Unit	Quantity
Chain Link Fence, 1.8 Meter Attached to Structure	m	394

REVISIONS	
NAME	DATE
LCE	2-26-10

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 8 - SEGMENT 2
 S.N 090-8516
 FAP 399 SECTION 36R-1, 37R-2
 TAZEWELL COUNTY
 SOLDIER PILE WALL
 CHAIN LINK FENCE DETAILS
 DESIGNED BY: J.NEU DRAWN BY: K.MILLER
 DATE: 2-05 CHECKED BY: A.HALL CHECKED BY: J.NEU



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	212
STA 7+663.000 TO STA 10+011.000				
FED. ROAD DIST. NO. 4			ILLINOIS FED. AID PROJECT	

Contract No. 88859
SHT. 5-15 of 5-35

Illinois Department of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 1
Date 4/1/83

ROUTE FA 399 (L.B.) DESCRIPTION IL Rte. 8 from E. Peoria to Sunnyland LOGGED BY DLR

SECTION 36, 37 R-1 LOCATION SEC., TWP., RNG.

COUNTY Tazewell DRILLING METHOD Hollow Stem Auger HAMMER TYPE AUTO

STRUCT. NO. BACKSLOPE/RET.WALL
Station _____


BORING NO. 7733ST
Station 7+733
Offset 27.1m L.S.D. (Prop)

Ground Surface Elev. 182.79 m (ft) (mm) (kPa) (psi)

SOIL DESCRIPTION	DEPTH (m)	DEPTH (ft)	LOGGED	TESTS	REMARKS
no sample taken 0-1.5'					
Dark Brown Gravelly LOAM	182.33	3			
		3			
		12.5			
Brown Gravelly CLAY LOAM	181.57	1			
		2			
		3			
		13.2			
Brown CLAY LOAM TILL	180.61	2			
		3			
		4			
		17.5			
		2			
		5			
		8			
		12.8			
Shelby Tube #1 3.2m-3.96m	179.62	5			
		8			
		12.8			
		17.8			
Brown & Gray CLAY LOAM TILL	178.52	3			
		6			
		7			
		11.8			
		2			
		4			
		6			
		12.8			
		2			
		6			
		12.8			
		17.8			
		2			
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		6			
		12.8			
		17.8			
		2			
		6			
		12.8			
		17.8			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	213
STA 7+663.000		TO STA 10+011.000		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

Contract No. 88859
SHT. 5-16 of 5-35



Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG

Page 1 of 2
Date 1/23/96

ROUTE FA 399 (IL 8) DESCRIPTION RETAINING WALL BETWEEN OAKWOOD ROAD & SPRUCE ST LOGGED BY DLR

SECTION 36, 37R-1 LOCATION East Peoria, IL, SEC. 26, TWP. 26N, RNG. 4W, 3rd PM,
Latitude, Longitude

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO


STRUCT. NO. _____
Station _____

BORING NO. 1
Station 7+677
Offset 13.40m LT
Ground Surface Elev. 171.21 m (m) (150 mm) (kPa) (%)

Soil Description	D	B	U	M	Surface Water Elev. _____ m	Stream Bed Elev. _____ m	Groundwater Elev. _____ m	First Encounter _____ m	Upon Completion _____ m	After 24 Hrs. _____ m	D	B	U	M	Surface Water Elev. _____ m	Stream Bed Elev. _____ m	Groundwater Elev. _____ m	First Encounter _____ m	Upon Completion _____ m	After 24 Hrs. _____ m	(m)	(150 mm)	(kPa)	SPT (N)	%
Dark Brown SILTY LOAM with sand	3										3														
	2		96	16							4	182	14												
	3	P									6	B													
170.29																									
Brown/ Gray CLAY LOAM (gravelly)	2										3														
	7		128	10							5	197	13												
	9	S									8	B													
-1.5																									
	2										2														
	6		144	10							4	197	14												
	6	P									8	B													
168.77																									
Brown/ Gray Gravelly CLAY LOAM TILL	4										2														
	6		192	12							4	190	15												
	6	P									8	B													
-3.0																									
	4										3														
	5		192	10							5	296	12												
	5	P									11	S													
167.25																									
Gray some Brown CLAY LOAM TILL	4										3														
102mm gravelly loam seam @ 4.27m	6		209	13							3														
	6	S									3		12												
-4.5																									
	3										7														
Gray CLAY LOAM TILL	5		173	13							19		7												
	8	B									26														
166.48																									
	2										12														
	4		173	14							13		7												
	6	B									17														
-6.0																									

The Unconfined Compressive Strength (UCS) Failure Mode Is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) Is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
DOT

SOIL BORING LOG

Page 2 of 2
Date 1/23/96

ROUTE FA 399 (IL 8) DESCRIPTION RETAINING WALL BETWEEN OAKWOOD ROAD & SPRUCE ST LOGGED BY DLR

SECTION 36, 37R-1 LOCATION East Peoria, IL, SEC. 26, TWP. 26N, RNG. 4W, 3rd PM,
Latitude, Longitude

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____
Station _____

BORING NO. 1
Station 7+677
Offset 13.40m LT
Ground Surface Elev. 171.21 m (m) (150 mm) (kPa) (%)

Soil Description	D	B	U	M	Surface Water Elev. _____ m	Stream Bed Elev. _____ m	Groundwater Elev. _____ m	First Encounter _____ m	Upon Completion _____ m	After 24 Hrs. _____ m	D	B	U	M	Surface Water Elev. _____ m	Stream Bed Elev. _____ m	Groundwater Elev. _____ m	First Encounter _____ m	Upon Completion _____ m	After 24 Hrs. _____ m	(m)	(150 mm)	(kPa)	SPT (N)	%
Brown, Coarse SAND with trace of gravel (continued)																									
	4																								
	8			7																					
158.10																									
Brown, Coarse SAND and GRAVEL	16																								
	15			6																					
	34																								
157.65																									
*No 24hr H2O, Hole Collapsed at 158.87m End of Boring																									
-13.5																									
-15.0																									
-16.5																									
-18.0																									

The Unconfined Compressive Strength (UCS) Failure Mode Is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) Is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 8 - SEGMENT 2
S.N 090-8516
FAP 399 SECTION 36R-1, 37R-2
TAZEWELL COUNTY
SOLDIER PILE WALL
BORING LOG - 1

DESIGNED BY: _____ DRAWN BY: HZS
CHECKED BY: _____ CHECKED BY: HZS

DATE: 2-05

STV Incorporated
Engineers/Architects/Planners/Construction Managers
200 W. Monroe Street, Suite 1650
Chicago, IL 60606-5013
312.953-0655, FAX 312.953-0661

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	219
STA 7+663.000			TO STA 10+011.000	
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

Contract No. 88859
SHT. S-22 of S-35



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 2/8/96

ROUTE FA 399 (IL 8) DESCRIPTION RETAINING WALL BETWEEN OAKWOOD ROAD & SPRUCE ST LOGGED BY DLR

SECTION 36, 37R-1 LOCATION East Peoria, IL, SEC. 26, TWP. 26N, RNG. 4W, 3rd PM, Latitude , Longitude

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____
Station _____
BORING NO. 7
Station 7+837
Offset 10.60m LT
Ground Surface Elev. 179.72 m

D E P T H (m)	B L O W S (150 mm)	U N C O M P R E S S I O N (kPa)	M O D E (%)	Soil Description			
				Surface Water Elev. _____ m	Stream Bed Elev. _____ m	Groundwater Elev. _____ m	First Encounter _____ m
179.41				GRAVELLY			
				Brown and Gray CLAY LOAM			
2							
3	142		13				
4	B						
178.35				Gray w/ trace of Brown CLAY LOAM TILL			
-1.5	2						
4	217		14				
5	B						
177.59				Gray CLAY LOAM TILL			
2							
3	173		14				
4	B						
-3.0	2						
4	277		13				
7	B						
1							
4	217		15				
6	B						
-4.5	2						
3	142		15				
5	B						
2							
3	217		15				
6	B						
-6.0							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2

Date 2/8/96

ROUTE FA 399 (IL 8) DESCRIPTION RETAINING WALL BETWEEN OAKWOOD ROAD & SPRUCE ST LOGGED BY DLR

SECTION 36, 37R-1 LOCATION East Peoria, IL, SEC. 26, TWP. 26N, RNG. 4W, 3rd PM, Latitude , Longitude

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. _____
Station _____
BORING NO. 7
Station 7+837
Offset 10.60m LT
Ground Surface Elev. 179.72 m

D E P T H (m)	B L O W S (150 mm)	U N C O M P R E S S I O N (kPa)	M O D E (%)	Soil Description			
				Surface Water Elev. _____ m	Stream Bed Elev. _____ m	Groundwater Elev. _____ m	First Encounter _____ m
				Gray CLAY LOAM TILL (continued)			
2							
4	257		15				
7	B						
2							
3	216		14				
6	P						
-7.5	2						
3	217		14				
6	B						
2							
4	173		14				
6	B						
2							
4	237		15				
7	S						
164.94							
2							
4	158		15				
5	B						
-15.0				* No H2O & Collapsed @ 166.61m End of Boring			
-18.0							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 8 - SEGMENT 2
S.N 090-8516
FAP 399 SECTION 36R-1, 37R-2
TAZEWELL COUNTY
SOLDIER PILE WALL
BORING LOG - 7

DESIGNED BY: _____
CHECKED BY: _____
DATE: 2-05
DRAWN BY: HZS
CHECKED BY: LCE



STV Incorporated
Engineers/Architects/Planners/Construction Managers
200 W. Monroe Street, Suite 1600
Chicago, IL 60606-5019
312/353-0655, FAX 312/553-0661

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	225
STA 7+663.000		TO STA 10+011.000		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

Contract No. 88859
SHT. 5-28 of S-35



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

ROUTE FA 399 (IL 8) DESCRIPTION RETAINING WALL BETWEEN OAKWOOD ROAD & SPRUCE ST LOGGED BY DLR
SECTION 36, 37R-1 LOCATION East Peoria, IL, SEC. 26, TWP. 26N, RNG. 4W, 3rd PM,
COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	E	L	C	O
BORING NO.	P	W	S	I	Groundwater Elev.:	P	W	S	I
Station	H	S	Qu	T	First Encounter	H	S	Qu	T
Offset	(150	(mm)	(kPa)	(%)	Upon Completion	(150	(mm)	(kPa)	(%)
Ground Surface Elev.	(m)	(mm)	(kPa)	(%)	After 24 Hrs.	(m)	(mm)	(kPa)	(%)
							6	355	13
							8	B	
							2		
							5	335	12
							10	B	
							2		
							5	257	13
							8	B	
							3		
							6	237	13
							9	B	
							2		
							6	277	13
							10	B	
							3		
							6	217	14
							12	B	
							5		
							8	292	13
							13	S	
							6		
							9	125	22
							15	S	
							4		
							6		

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
IDOT

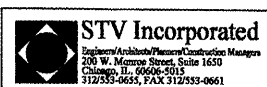
SOIL BORING LOG

Page 2 of 2

ROUTE FA 399 (IL 8) DESCRIPTION RETAINING WALL BETWEEN OAKWOOD ROAD & SPRUCE ST LOGGED BY DLR
SECTION 36, 37R-1 LOCATION East Peoria, IL, SEC. 26, TWP. 26N, RNG. 4W, 3rd PM,
COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	E	L	C	O
BORING NO.	P	W	S	I	Groundwater Elev.:	P	W	S	I
Station	H	S	Qu	T	First Encounter	H	S	Qu	T
Offset	(150	(mm)	(kPa)	(%)	Upon Completion	(150	(mm)	(kPa)	(%)
Ground Surface Elev.	(m)	(mm)	(kPa)	(%)	After 24 Hrs.	(m)	(mm)	(kPa)	(%)
							6	122	20
							8	S	
							3		
							6	197	14
							6	B	
							2		
							4	182	14
							6	B	

The Unconfined Compressive Strength (UCS) Failure Mode is Indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 8 - SEGMENT 2
S.N 090-8516
FAP 399 SECTION 36R-1, 37R-2
TAZEWELL COUNTY
SOLDIER PILE WALL
BORING LOG - 13
DESIGNED BY: _____ DRAWN BY: HZS
CHECKED BY: _____ CHECKED BY: LCE
DATE: 2-05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	229
STA 7+663.000		TO STA 10+011.000		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

Contract No. 88859
SHT. 5-32 of 5-35



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 2/13/96

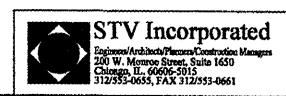
ROUTE FA 399 (IL 8) DESCRIPTION RETAINING WALL BETWEEN OAKWOOD ROAD & SPRUCE ST LOGGED BY DLR
SECTION 36, 37R-1 LOCATION East Peoria, IL, SEC. 26, TWP. 26N, RNG. 4W, 3rd PM.
COUNTY Tazewell DRILLING METHOD PUSH HAMMER TYPE _____
Latitude _____ Longitude _____

STRUCT. NO.	D E L P T H	B L O W S	U C S	M O I S T U R E	Surface Water Elev. _____ m
Station _____					Stream Bed Elev. _____ m
BORING NO. <u>17</u>					Groundwater Elev. _____ m
Station <u>8+069.5</u>					First Encounter <u>NONE</u> m
Offset <u>13.00m LT</u>					Upon Completion <u>N/A</u> m
Ground Surface Elev. <u>192.76</u> m	(m)	(150 mm)	(kPa)	(%)	After <u>24</u> Hrs. <u>N/A*</u> m
<u>Brown with some Dark Brown SILTY CLAY LOAM</u>			<u>96</u> <u>P</u>	<u>21</u>	
<u>192.15</u>					
<u>Brown, Coarse SAND with trace gravel</u>				<u>3</u>	
<u>191.54</u>					
<u>Brown CLAY LOAM TILL</u>			<u>216</u> <u>P</u>	<u>13</u>	
<u>190.93</u>					
<u>Gray CLAY LOAM TILL</u>			<u>237</u> <u>B</u>	<u>13</u>	
<u>189.71</u>					
<u>*Not Available, hole collapsed at .6m End of Boring</u>					
<u>-4.5</u>					
<u>-6.0</u>					

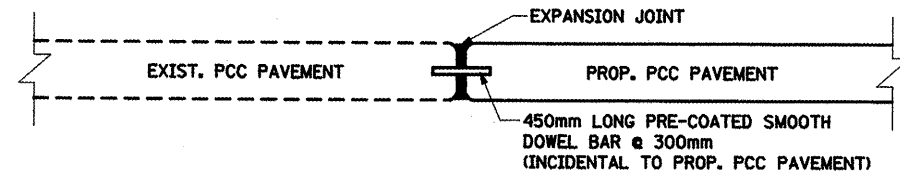
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

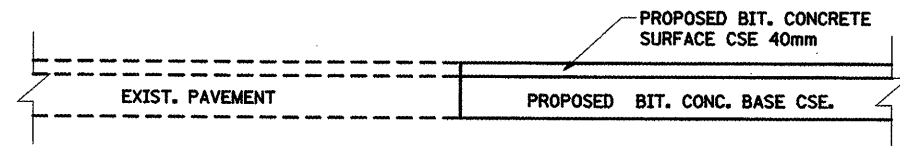
ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 8 - SEGMENT 2
S.N 090-8516
FAP 399 SECTION 36R-1, 37R-2
TAZEWELL COUNTY
SOLDIER PILE WALL
BORING LOG - 17
DESIGNED BY: _____ DRAWN BY: HZS
CHECKED BY: _____ CHECKED BY: LCE
DATE: 2-05



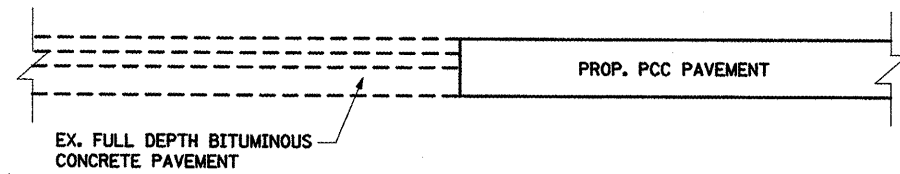
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	233
STA 7+663,000		TO STA 10+097,000		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



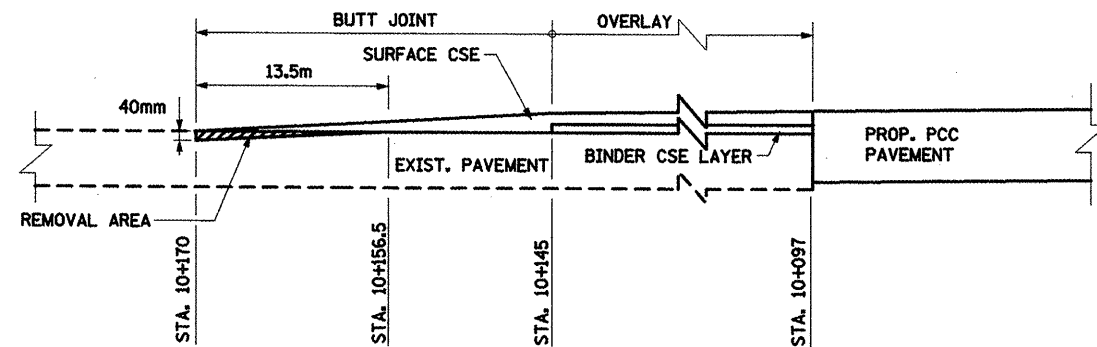
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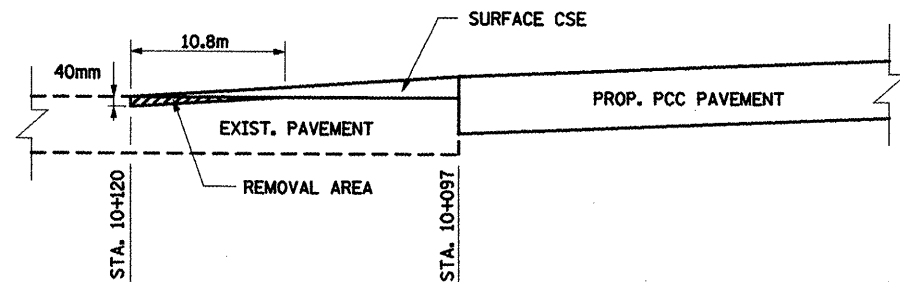
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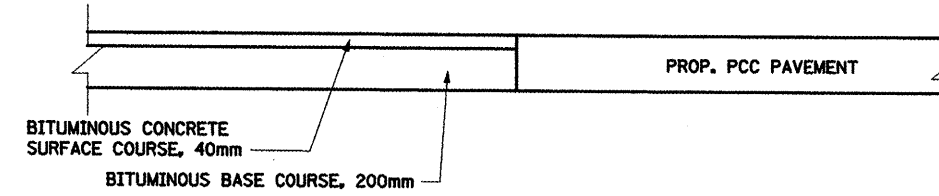
TYPE 3



TYPE 4



TYPE 5



TRANSITION DETAIL

LOCATION	TYPE OF BUTT JOINT	LENGTH (L) (M)
MAINLINE (STA. 7+663)	1	-
MAINLINE (STA. 10+145, WESTBOUND)	4	25
MAINLINE (STA. 10+097, EASTBOUND)	5	23
WEST DONALD COURT	3	-
EAST DOLAND COURT	3	-
SPRUCE STREET	3	-
EDGEHILL COURT	3	-
EAST AUTUMN LANE	3	-
EMBER LANE	2	-
LANDFILL ROAD	3	-
HARMONY AVENUE	3	-
HOWARD STREET	3	-
WILLIAM STREET	3	-
CAMPUS AVENUE	3	-
SUNRISE AVENUE	2	-
EXPO DRIVEWAY	3	-

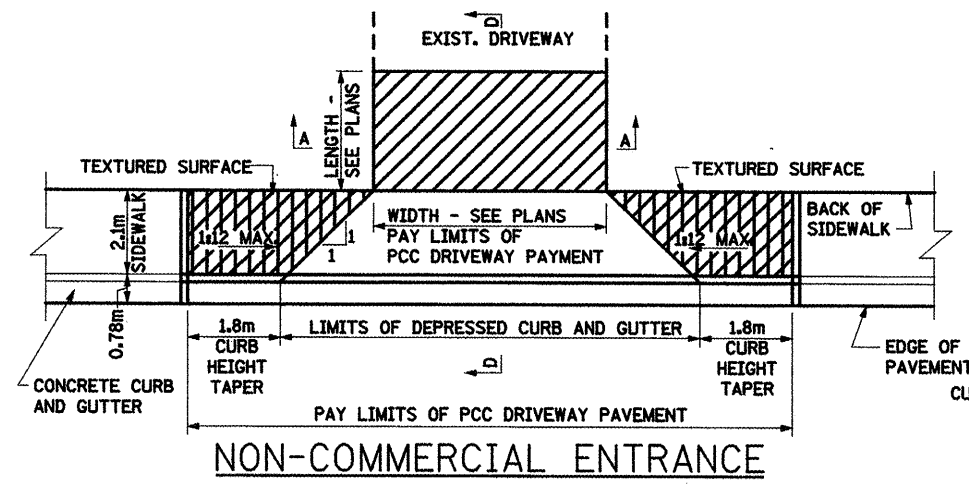
NOTE: MINIMUM BUTT JOINT LENGTH = 3m

REVISIONS	
NAME	DATE

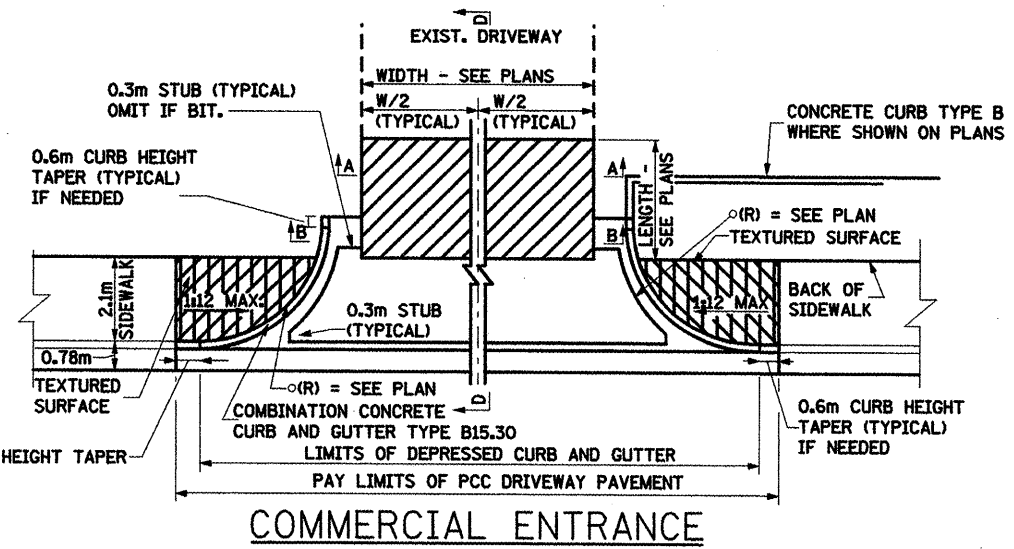
ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 8 - SEGMENT 2
 BUTT JOINTS AND PAVEMENT DETAILS

SCALE: N.T.S. DRAWN BY: RLK
 DATE: DECEMBER, 2003 CHECKED BY: SAE

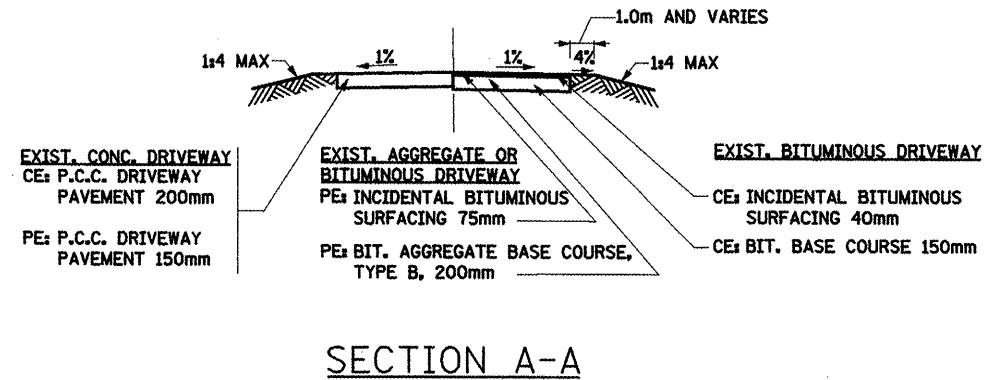
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1 (37R-2)	TAZEWELL	449	234
STA 7+663.000		TO STA 10+097.000		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



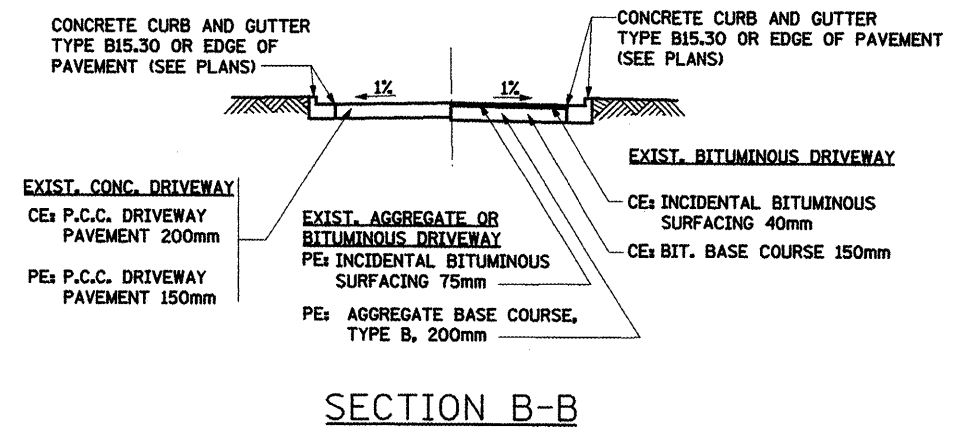
NON-COMMERCIAL ENTRANCE



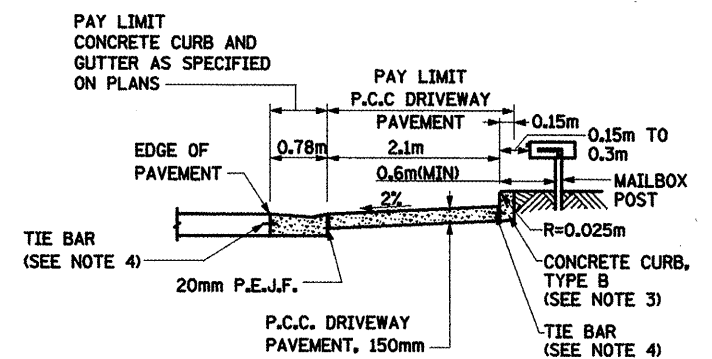
COMMERCIAL ENTRANCE



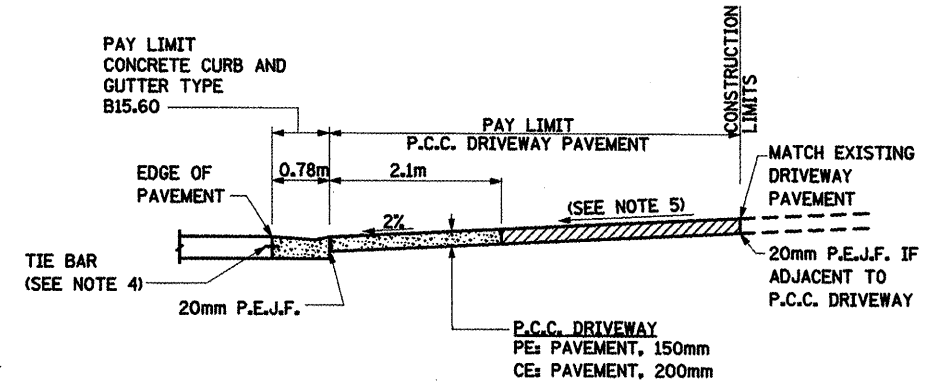
SECTION A-A



SECTION B-B



SECTION C-C



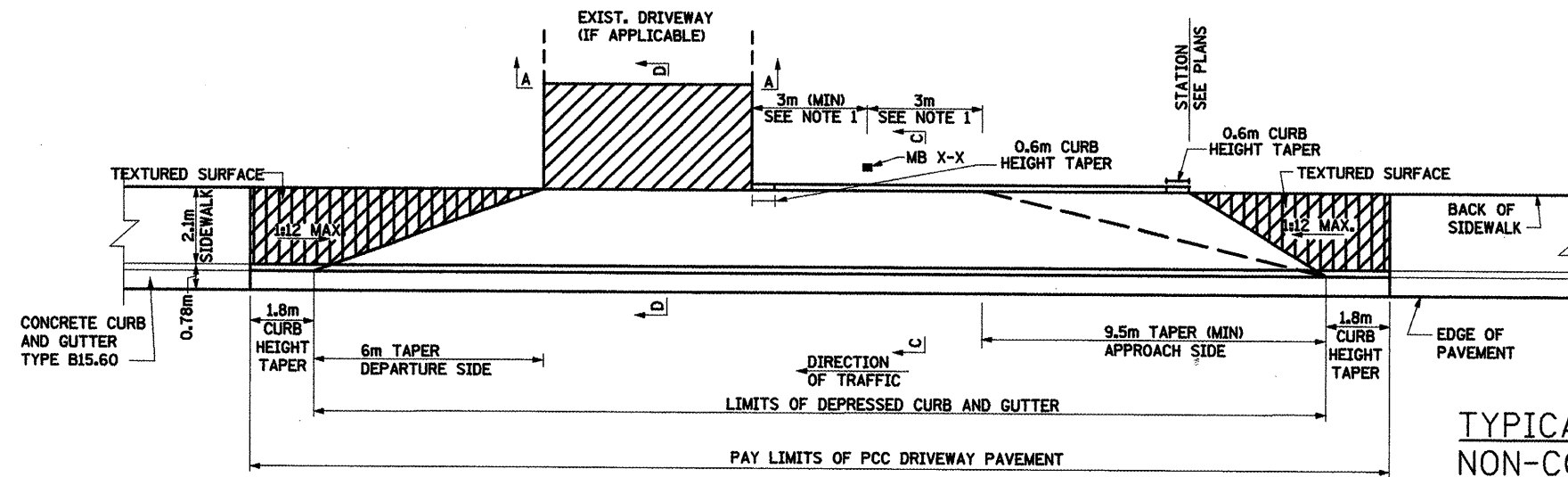
SECTION D-D

SECTIONS APPLY TO ENTRANCES AND MAILBOX TURNOUT

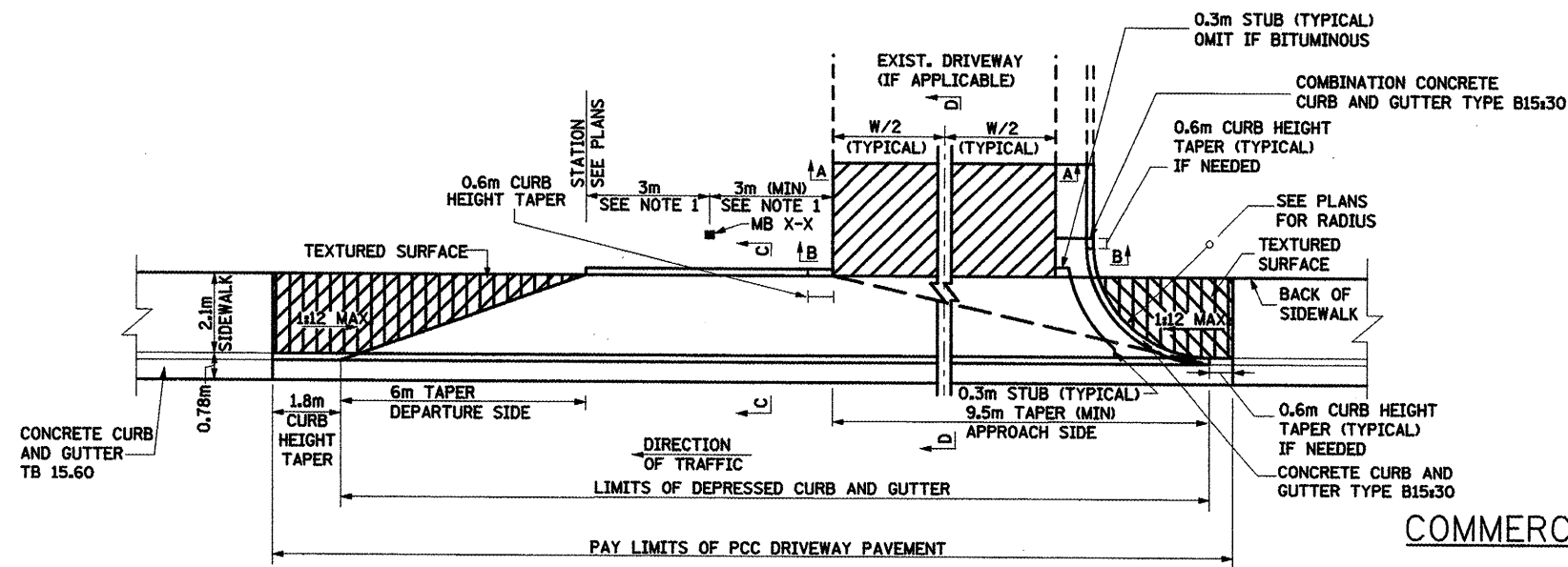
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 8 - SEGMENT 2
 MAILBOX TURNOUTS AND ENTRANCE DETAILS-1
 SCALE: N.T.S. DRAWN BY: RLK
 DATE: DECEMBER, 2003 CHECKED BY: SAE

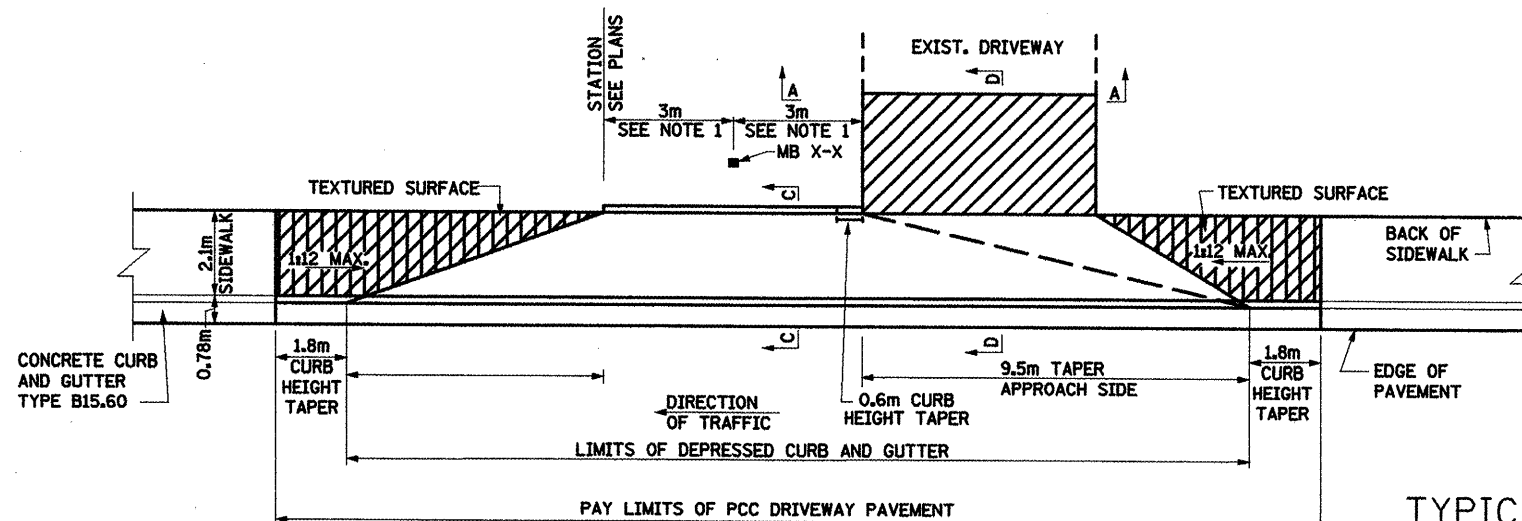
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1. (37R-2)	TAZEWELL	449	235
STA 7+663.000		TO STA 10+097.000		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



TYPICAL MAILBOX TURNOUT
NON-COMMERCIAL ENTRANCE



COMMERCIAL ENTRANCE



TYPICAL MAILBOX TURNOUT
NON-COMMERCIAL ENTRANCE

NOTES:

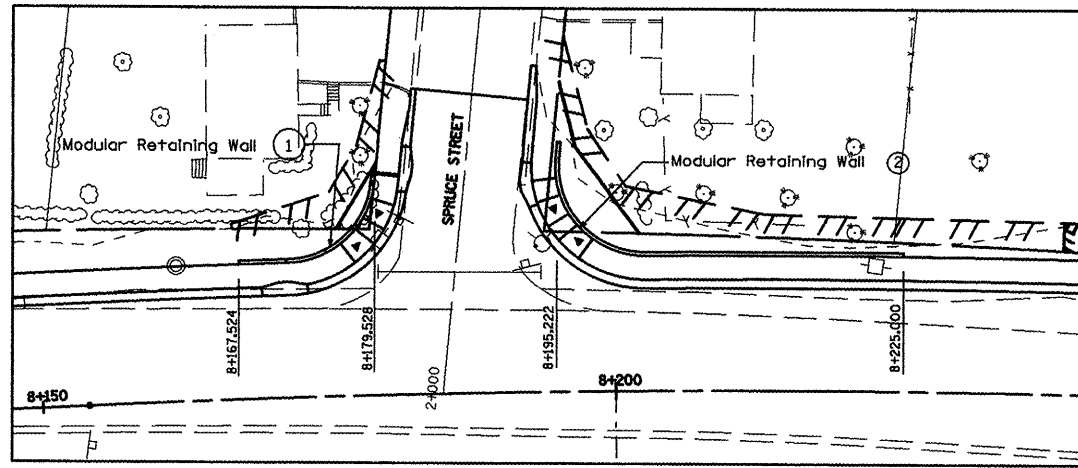
1. IF MORE THAN ONE MAILBOX IS PRESENT, THIS DIMENSION SHALL BE MEASURED FROM THE END BOX IN EACH DIRECTION.
2. REFER TO THE PLANS FOR LOCATION, ENTRANCE WIDTH/LENGTH AND SURFACE TYPE.
3. THE CONCRETE CURB, TYPE B SHALL BE INCLUDED IN THE COST OF P.C.C. DRIVEWAY PAVEMENT USED TO FORM MAILBOX TURNOUTS. IT IS THE CONTRACTOR'S OPTION TO PLACE THE CONCRETE CURB, TYPE B MONOLITHICALLY WITH DRIVEWAY PAVEMENT. IF IT IS PLACED SEPARATELY, THE CONCRETE CURB, TYPE B SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 606001 AND CONNECTED TO THE PROPOSED MAILBOX TURNOUT PAVEMENT WITH TIE BARS.
4. TIE BARS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 606001 AND SHALL BE INCLUDED IN THE COST OF THE SPECIFIED C.C.C.&G.
5. SLOPE AS GIVEN IN THE PLANS AND CROSS SECTIONS.
6. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE METER FOR PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT OF THE THICKNESS SPECIFIED IN THE PLANS WHICH PRICE SHALL INCLUDE THE LONGITUDINAL CURB EXPANSION JOINT, MONOLITHIC CURB AS SHOWN, SCORED GROOVES, AND TIE BARS
7. SECTIONS APPEAR ON 'MAILBOX TURNOUTS AND ENTRANCE DETAILS-2'

REVISIONS	
NAME	DATE

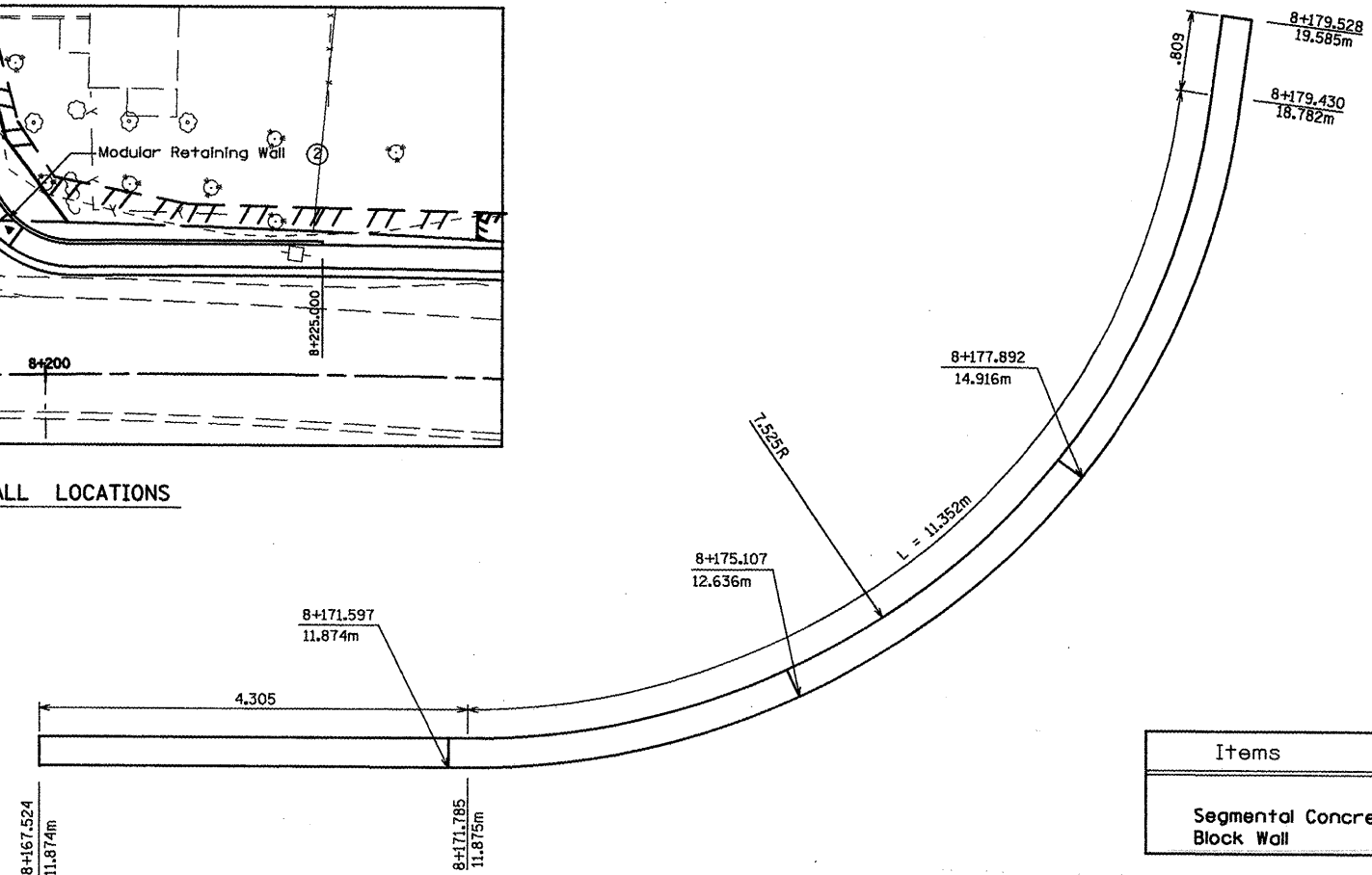
ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 8 - SEGMENT 2
MAILBOX TURNOUTS AND
ENTRANCE DETAILS-2

SCALE: N.T.S. DRAWN BY: RLK
DATE: DECEMBER, 2003 CHECKED BY: SAE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1 (37R-2)	TAZEWELL	449	236
STA 7+663,000		TO STA 10+097,000		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



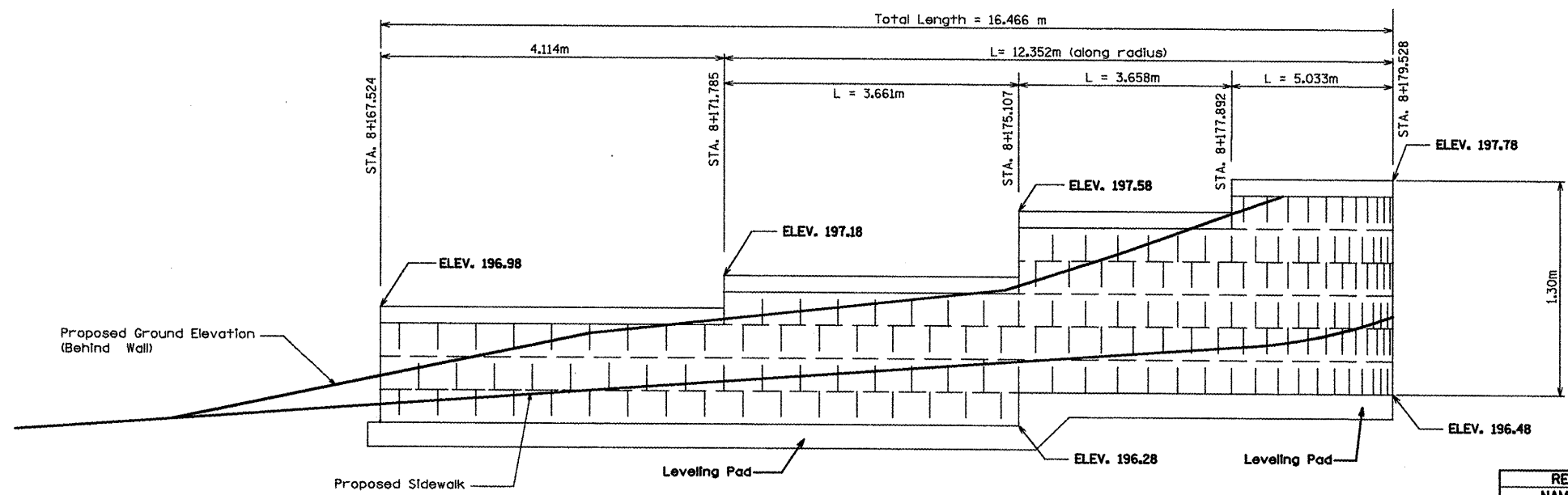
MODULAR RETAINING WALL LOCATIONS



Lt. Sta. 8+167.524 to 8+179.528
PLAN VIEW
(Modular Retaining Wall ①)

BILL OF MATERIALS
Modular Retaining Wall ①

Items	Unit	Quantity
Segmental Concrete Block Wall	SQ. M.	16.741



Lt. Sta. 8+167.524 to 8+179.528
ELEVATION
(Modular Retaining Wall ①)

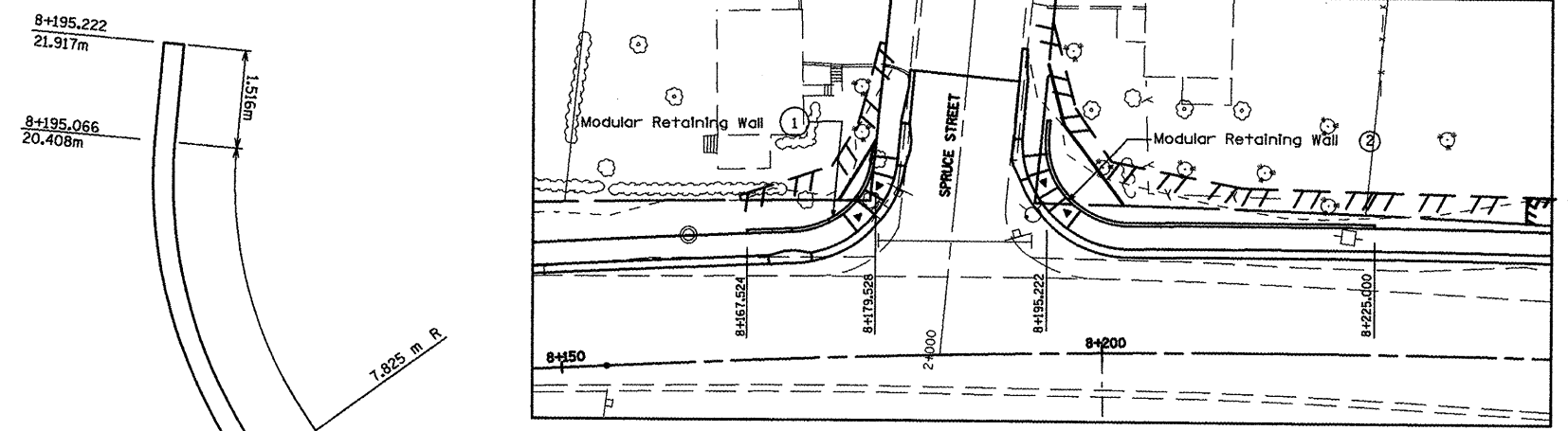
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 8 - SEGMENT 2
MODULAR RETAINING WALL
SYSTEM DETAILS
LOCATION # 1

SCALE: NTS
DATE: NOVEMBER, 2009

DRAWN BY: LCE
CHECKED BY: ENE

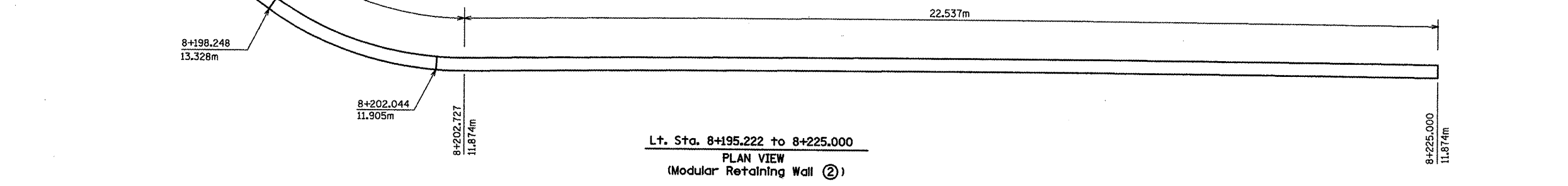
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	237
STA 7+663.000			TO STA 10+097.000	
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



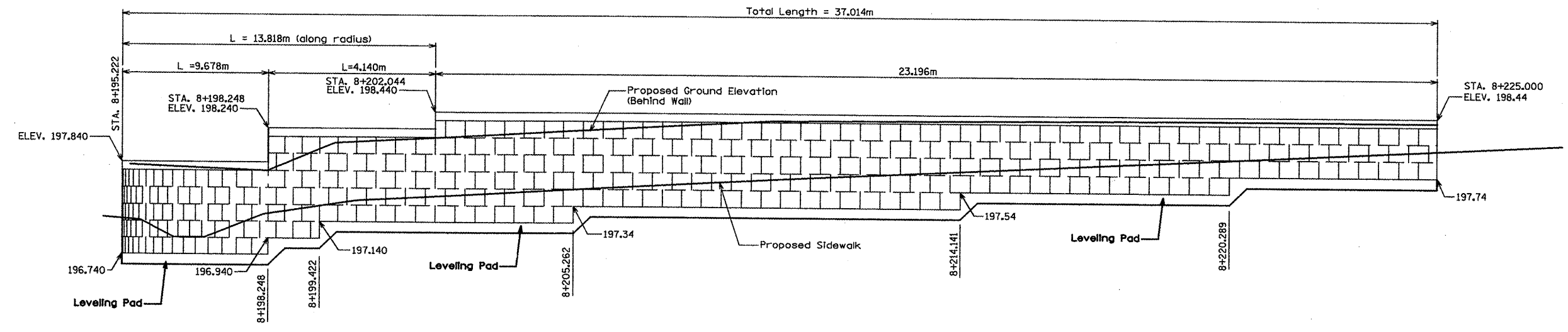
MODULAR RETAINING WALL LOCATIONS

BILL OF MATERIALS
Modular Retaining Wall ①

Items	Unit	Quantity
Segmental Concrete Block Wall	SQ. M.	38.473



Lt. Sta. 8+195.222 to 8+225.000
PLAN VIEW
 (Modular Retaining Wall ②)

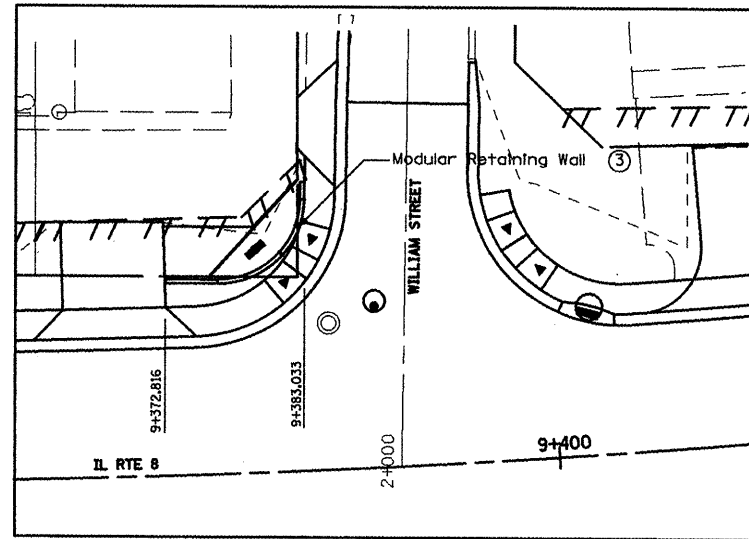


Lt. Sta. 8+195.222 to 8+225.000
ELEVATION
 (Modular Retaining Wall ②)

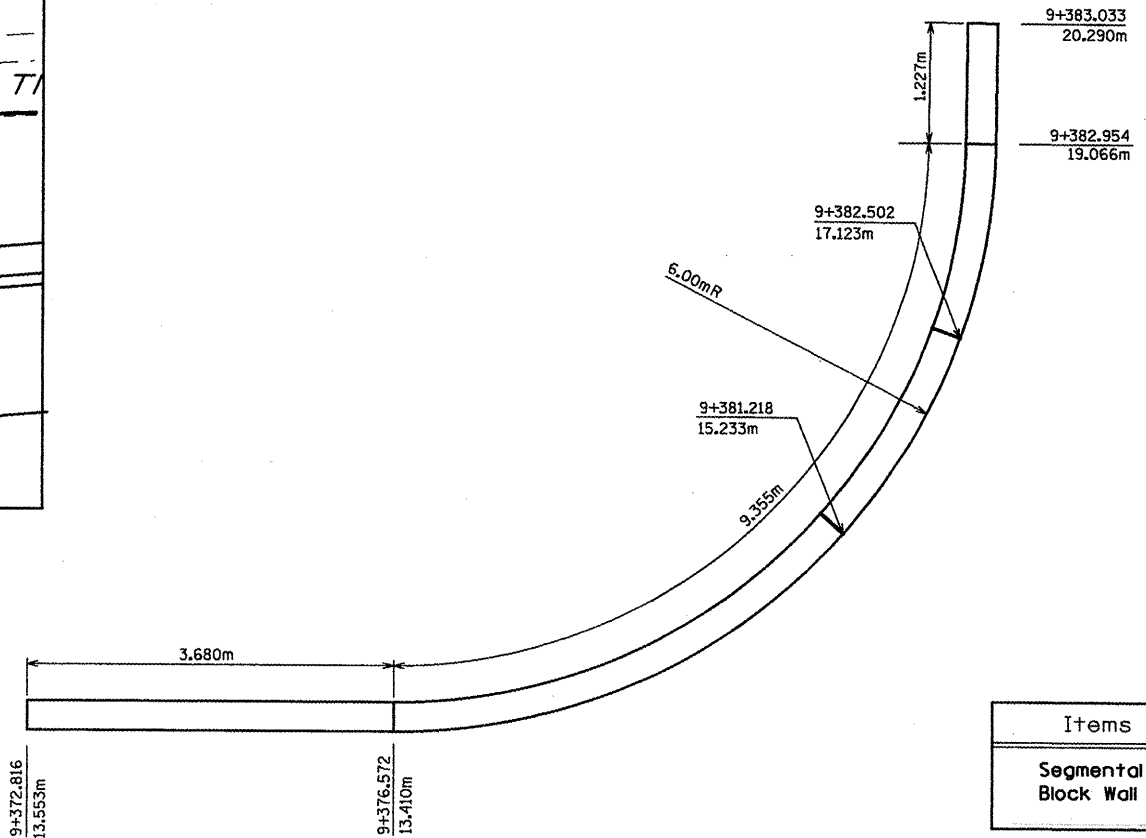
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 8 - SEGMENT 2
 MODULAR RETAINING WALL
 SYSTEM DETAILS
 LOCATION # 2
 SCALE: NTS
 DATE: NOVEMBER, 2009
 DRAWN BY: LCE
 CHECKED BY: ENE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	238
STA 7+663.000		TO STA 10+097.000		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



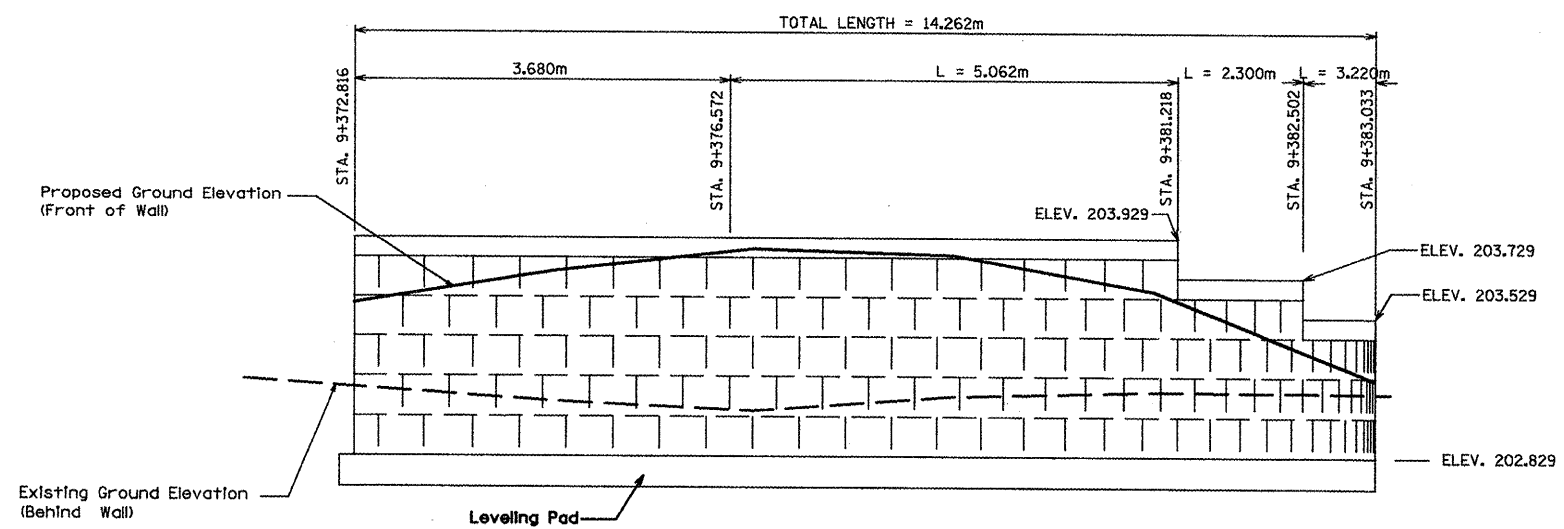
MODULAR RETAINING WALL LOCATIONS



BILL OF MATERIALS
Modular Retaining Wall (3)

Items	Unit	Quantity
Segmental Concrete Block Wall	SQ. M.	13.940

Lt. Sta. 9+372.816 to 9+383.033
PLAN VIEW
(Modular Retaining Wall (3))



Lt. Sta. 9+372.816 to 9+383.033
ELEVATION
(Modular Retaining Wall (3))

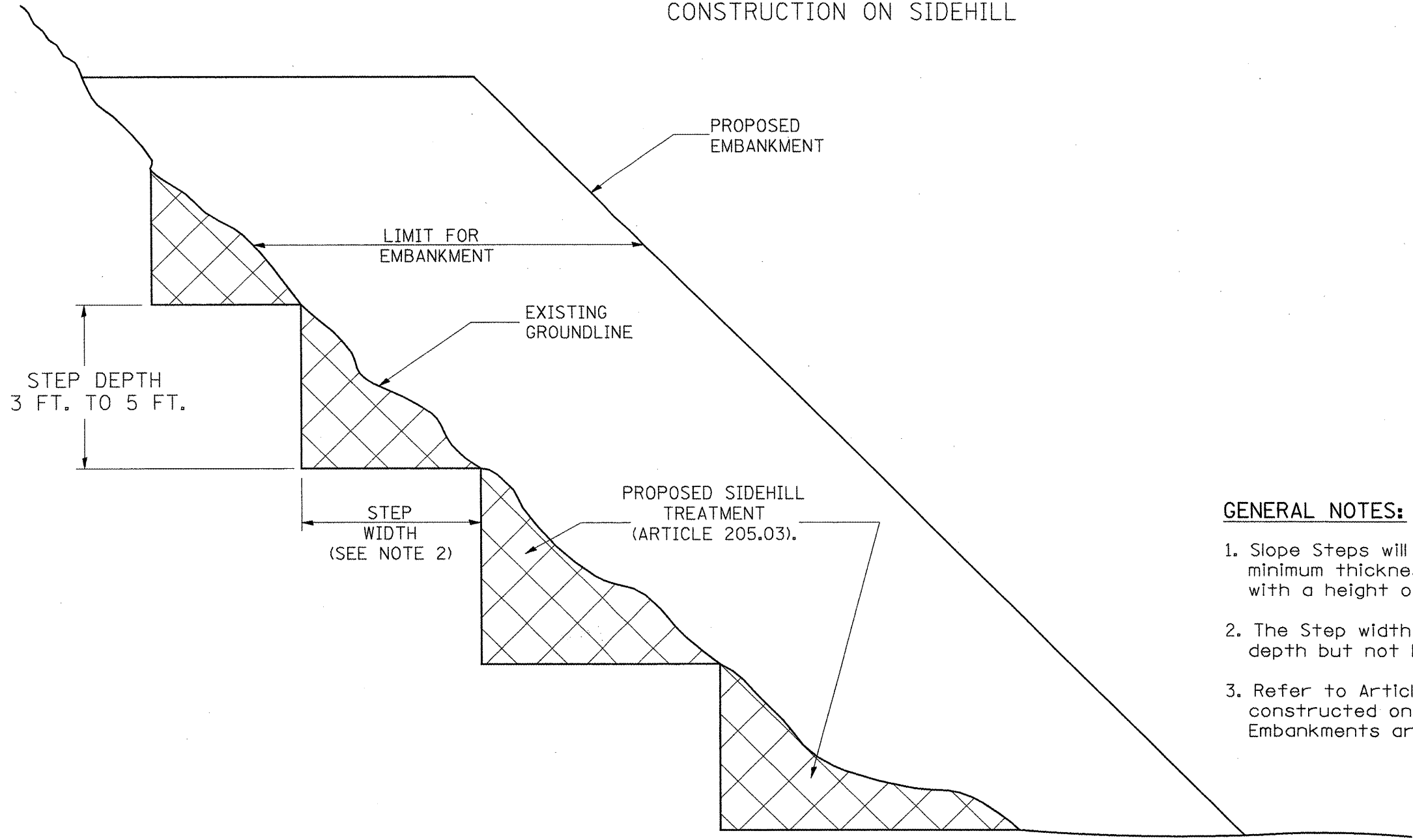
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 8 - SEGMENT 2
MODULAR RETAINING WALL
SYSTEM DETAILS
LOCATION # 3
SCALE: NTS
DATE: NOVEMBER, 2009
DRAWN BY: LCE
CHECKED BY: ENE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZWELL	449	240
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	

SLOPE STEPS DETAIL

TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL

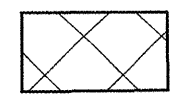


GENERAL NOTES:

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

1. EACH PROJECT SHOULD BE REVIEWED INDEPENDENTLY FOR TREATMENT REQUIRED.
2. REFER TO THIS DETAIL WITH NOTE ON APPLICABLE TYPICAL SECTIONS.

REPLACEMENT MATERIAL:



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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

DATE	REVISIONS	BY
1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE BOX, REVISED GENERAL NOTES.	T.P.

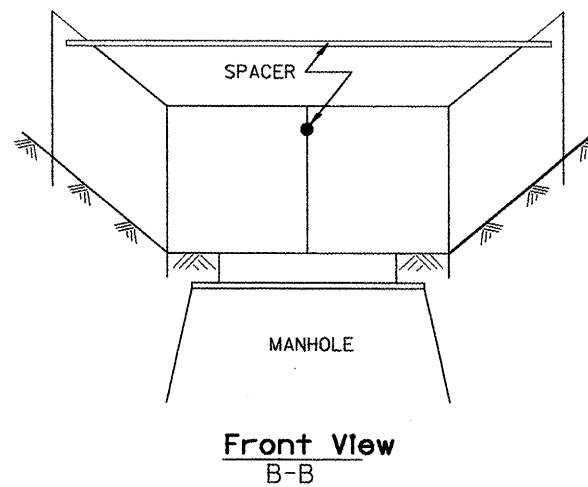
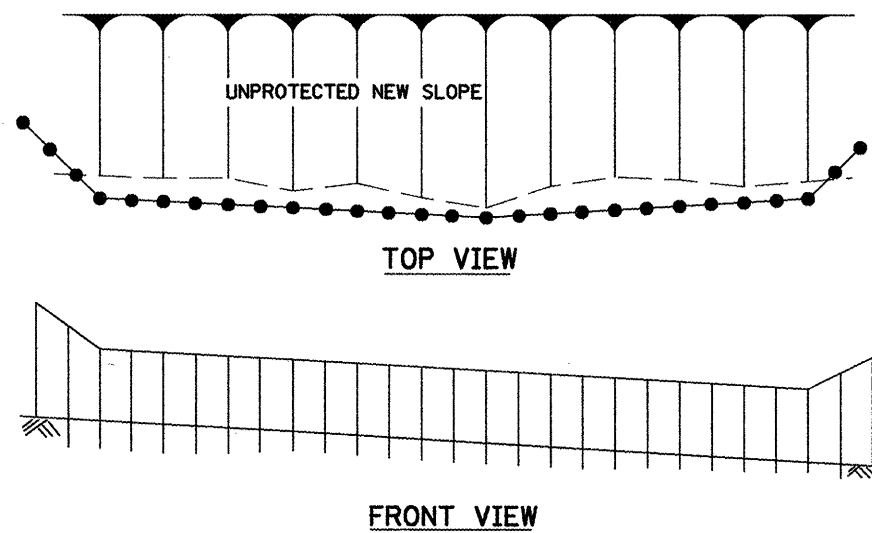
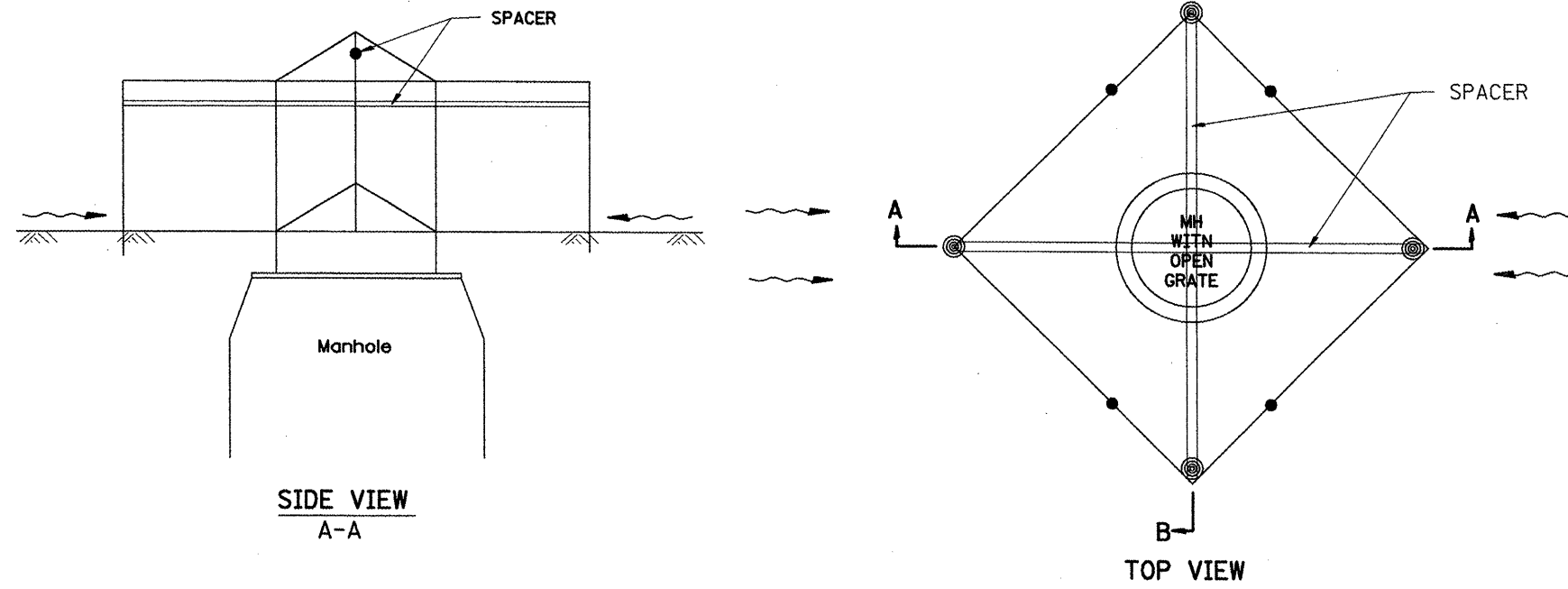
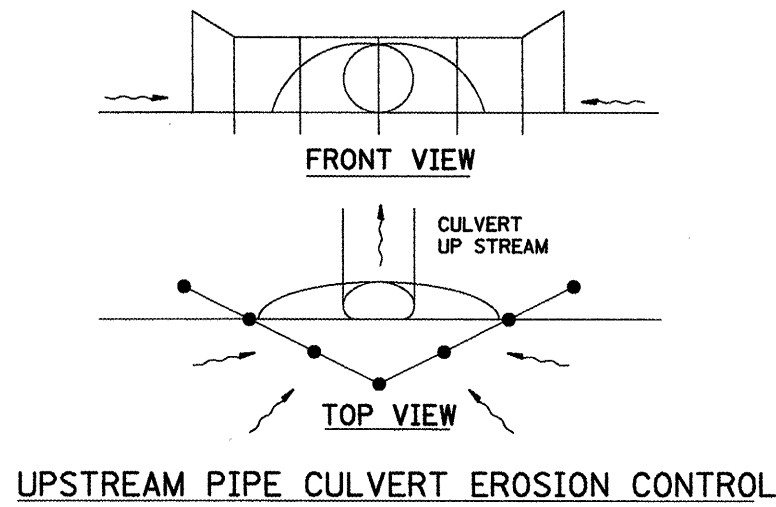
SLOPE STEPS DETAIL

CADD STD. NO. 205001-D4
SCALE: NOT DRAWN TO SCALE
DATE: ##DATE##
DRAWN BY: CADD
CHECKED BY:

205001-D4

DATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZWELL	449	241
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS		FED. AID PROJECT



GENERAL NOTES:

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
SPECIAL DETAIL SHEET
TYPICAL APPLICATION OF SILT FILTER FENCE
 CADD DETAIL 280001-D4 DRAWN BY CADD
 SCALE: NOT DRAWN TO SCALE CHECKED BY

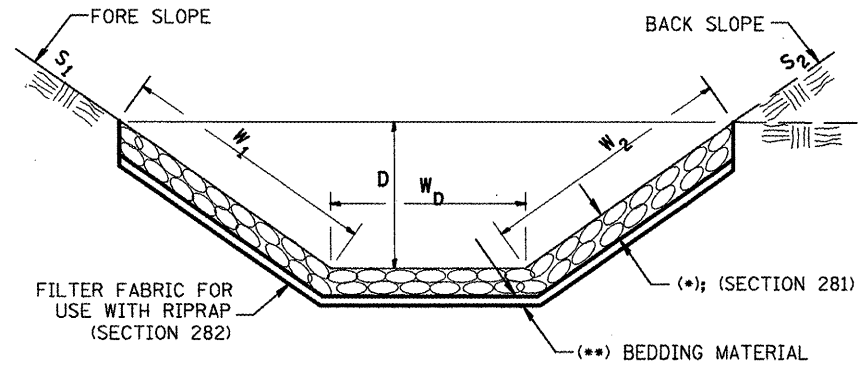
DATE	REVISIONS	BY
1-1-97	RENUM. A-12.05, NEW REVISION BOX	T.P.
3-11-03	ELIMINATED SILT FENCE DITCH CHECK	M.M.A.

Designer NOTES:
 1. Designer to modify this Special Detail sheet, as needed, for inclusion in plans.
 2. Include Highway Standard 280001 "TEMPORARY EROSION CONTROL SYSTEM."

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZWELL	449	242
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

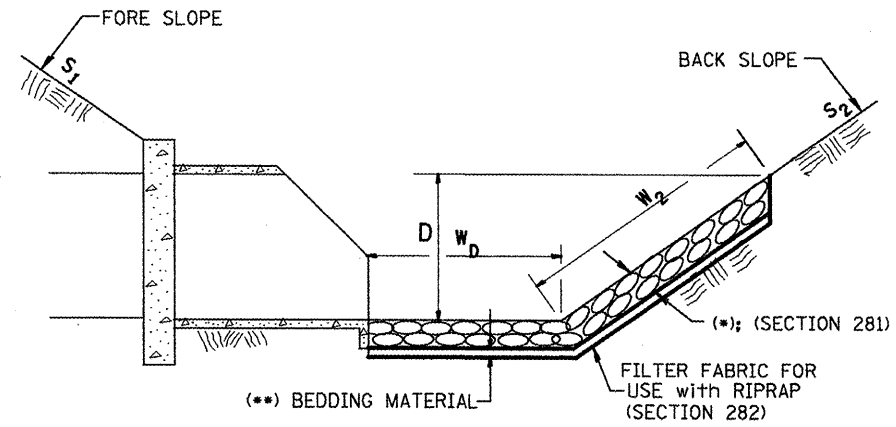
**CASE 1
(DITCH)**



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

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

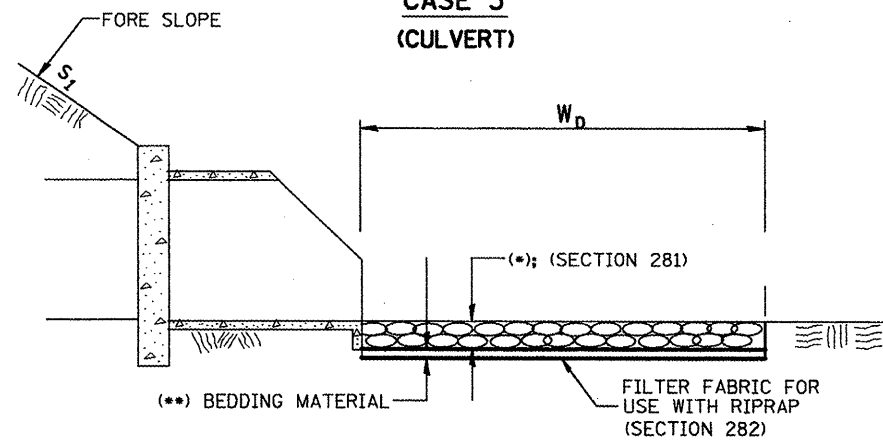
**CASE 2
(CULVERT & SLOPE)**



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

(1) WIDTH = $W_2 + W_D$

**CASE 3
(CULVERT)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	m (lin ft)	m (lin ft)	m tons (tons)	m ² (sq yds)
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 millimeters (Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
SPECIAL DETAIL SHEET

**RIPRAP DITCH FOR
EROSION PROTECTION**

CADD DETAIL 281001-D4
SCALE: NOT DRAWN TO SCALE
DATE **DATE**

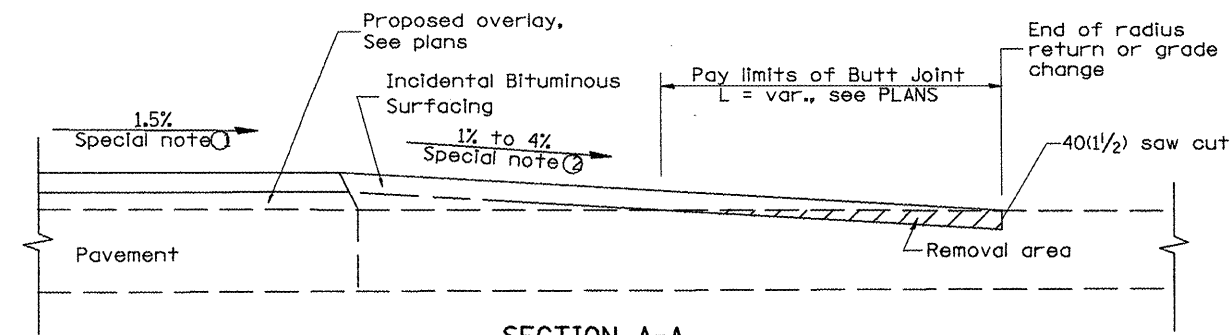
DRAWN BY CADD
CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. A-12.02, NEW REVISION BOX	T.P.
12-1-97	CORRECT FILTER FABRIC LEADER ARROW	J.A.

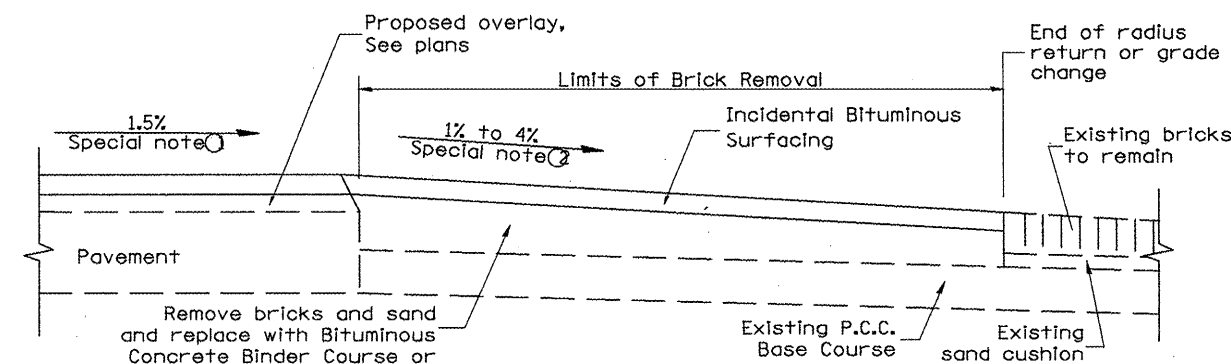
- 2. (*) Designer to specify pay item including material, quality, and graduation.
- 3. (**) Designer to specify thickness of bedding material.
- 4. Include District Special Provision if needed.

DATE

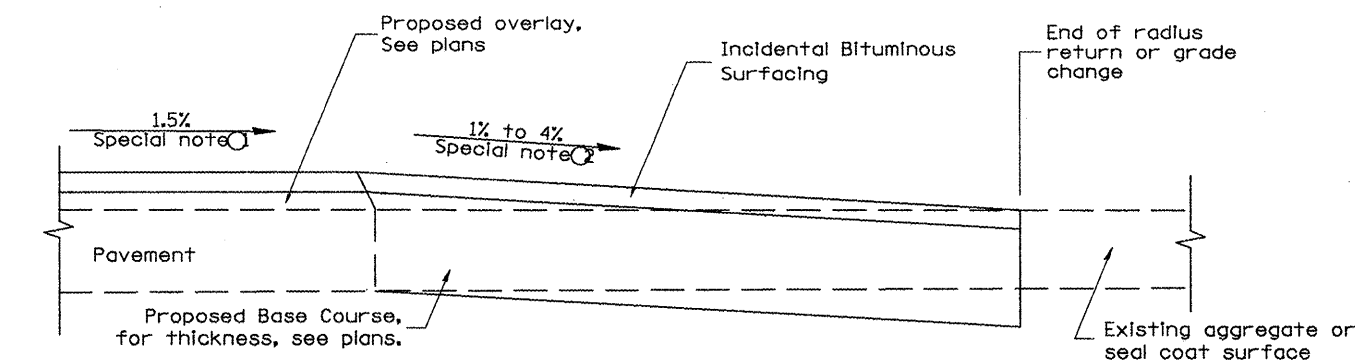
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	243
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



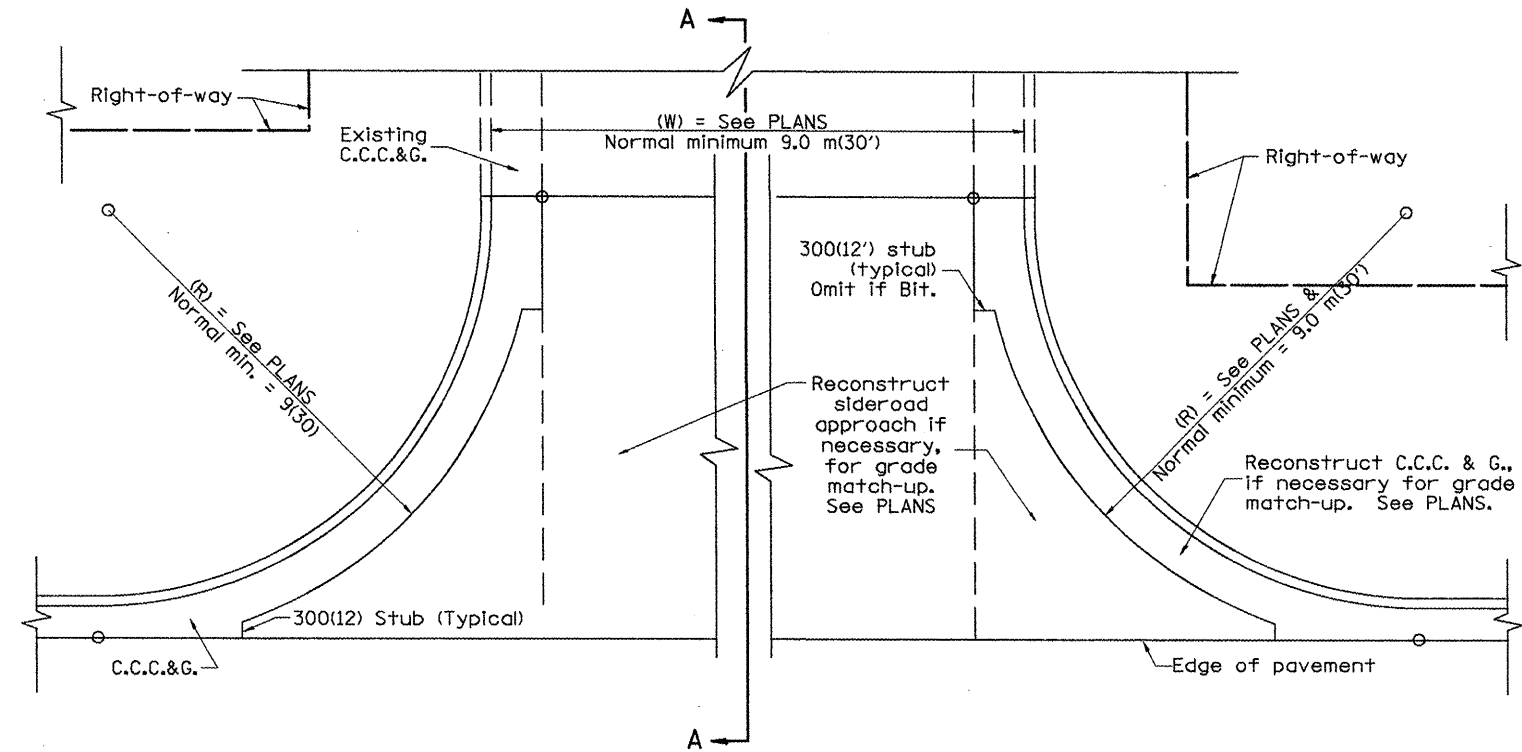
**SECTION A-A
EXISTING PCC OR BITUMINOUS SIDEROAD**



**SECTION A-A
EXISTING BRICK SIDEROAD**



**SECTION A-A
EXISTING AGGREGATE OR SEALCOAT SIDEROAD**



PLAN

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 sideroad profile should drain away from the mainline at 1% to 4% for 15.0 m(50') to 30.0 m(100'), or as a minimum to the end of the radius return. When the sideroad is on the high side of a mainline super-elevated curve, - 2% maximum should be provided in order to minimize breakover at the pavement edge. See plans for sideroad profiles.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

URBAN SIDEROADS FOR '3R' PROJECTS

CADD STD NO. 406501-D4 DRAWN BY CADD
 SCALE: NOT DRAWN TO SCALE CHECKED BY: J. PICKERING

DATE	REVISIONS	BY
1-1-97	RENUM. C-105.01. NEW REVISION BOX	T.P.
7-1-97	REVISE DESIGNER NOTES	J.A.
9-15-05	REVISED DESIGNER NOTE	M.M.A.

1. DESIGNER SHOULD CONSULT CHAPTER 49 OF THE BDE FOR 3R POLICY.
 2. DESIGNER SHOULD REVIEW CHAPTER 38 FOR ADA
 3. STATE STANDARD 424001 SHOULD BE INCLUDED IN THE PLANS TO SUPPLEMENT THIS DRAWING, IF SIDEWALKS ARE TO BE CONSTRUCTED INITIALLY.

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	244
STA.	TO STA.			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

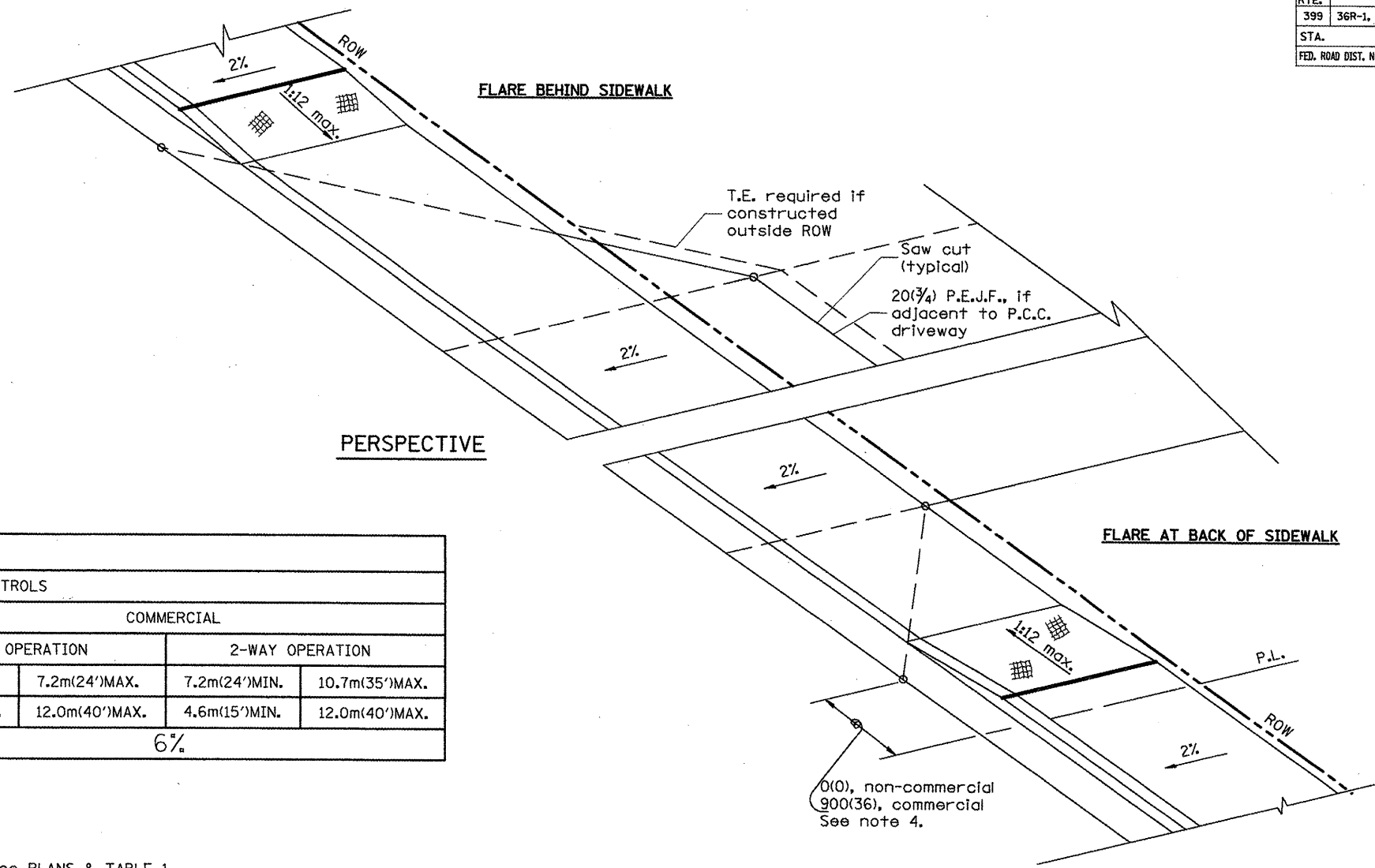
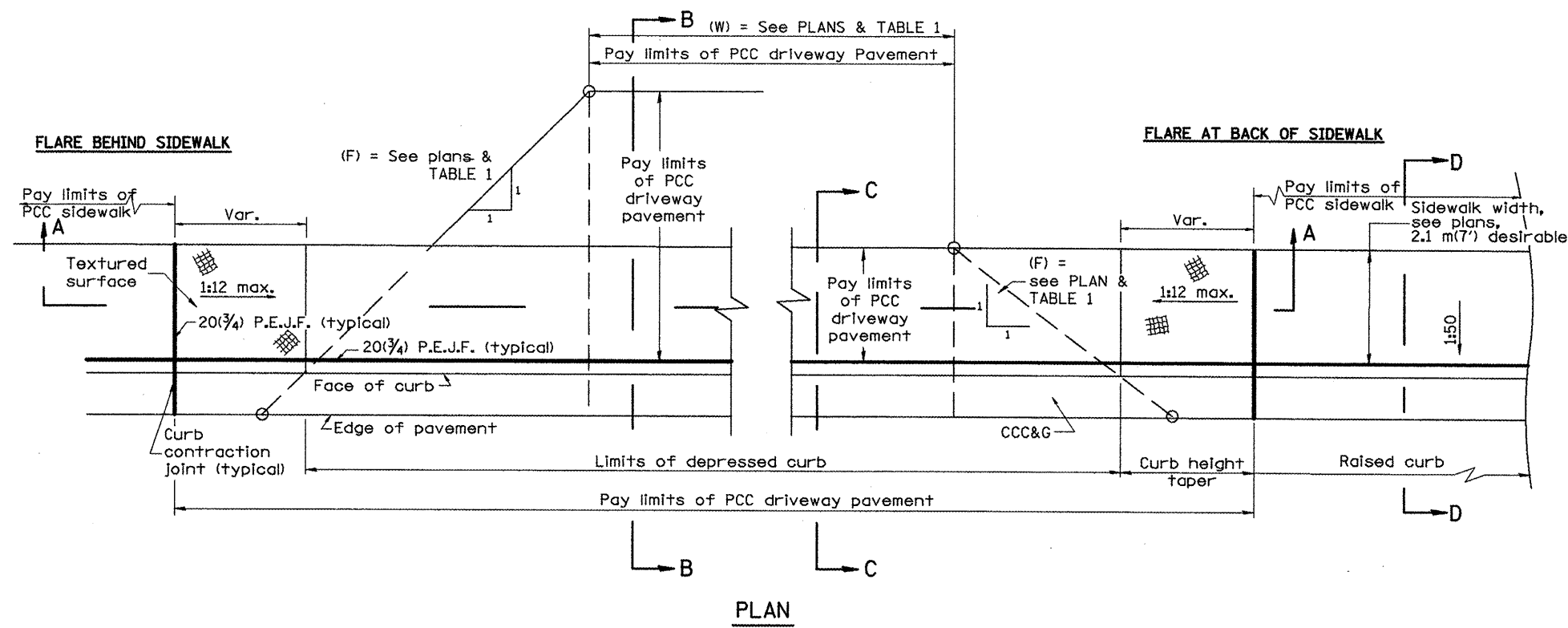


TABLE 1
URBAN ENTRANCE DESIGN CONTROLS

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



GENERAL NOTES

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

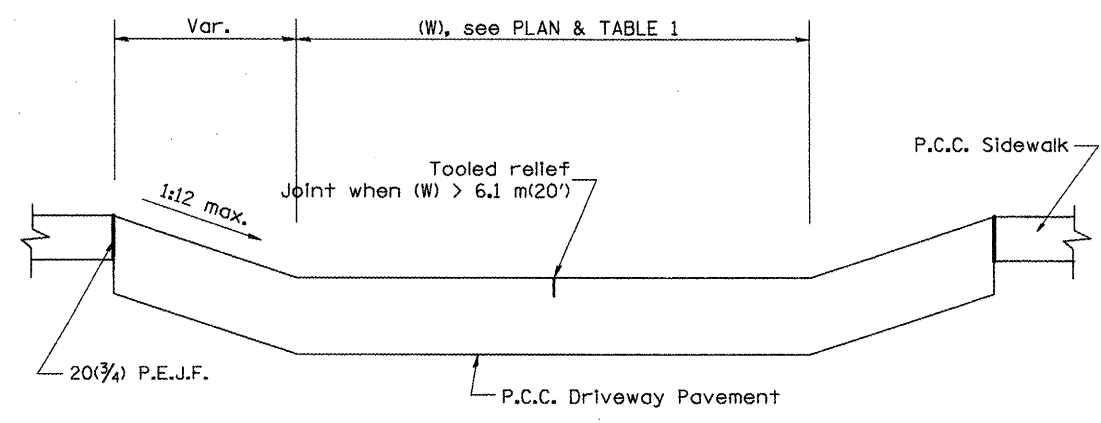
URBAN ENTRANCES ACCESSIBLE TO THE DISABLED FOR CURBLINE SIDEWALKS

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

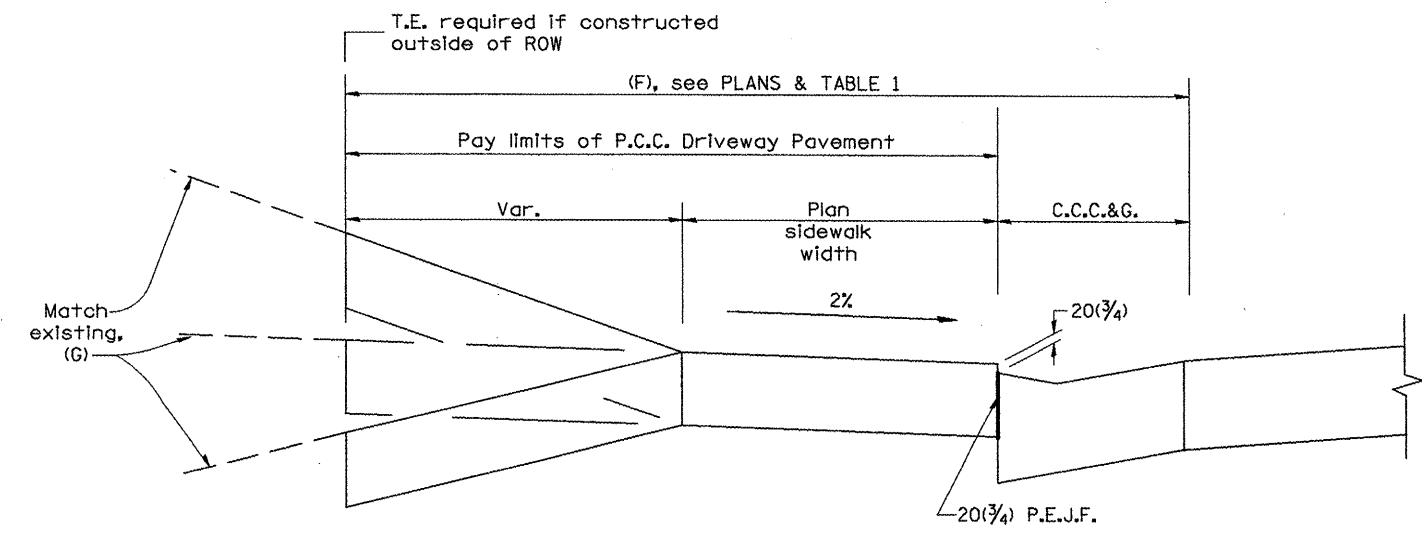
DATE	REVISIONS	BY
1-1-97	RENUM. C-103.02, NEW REVISION BOX, REVISED GENERAL NOTES	T.P.
9-15-05	REVISED DESIGNER NOTE	M.M.A.

1. FLARES ARE RECOMMENDED FOR CURBLINE SIDEWALKS. DESIGNER SHOULD REVIEW CHAPTER 58 OF BDE FOR THE ADA REQUIREMENTS.
2. INCLUDE STATE STANDARD 424001 AND 606001.

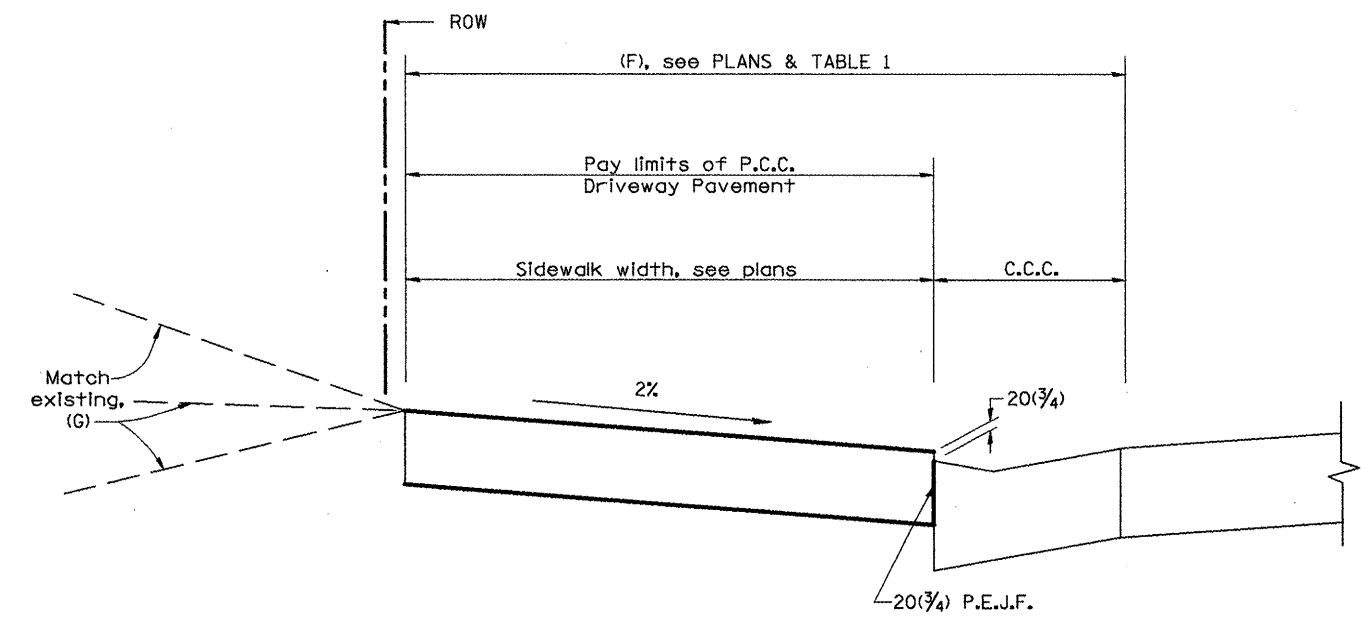
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	245
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



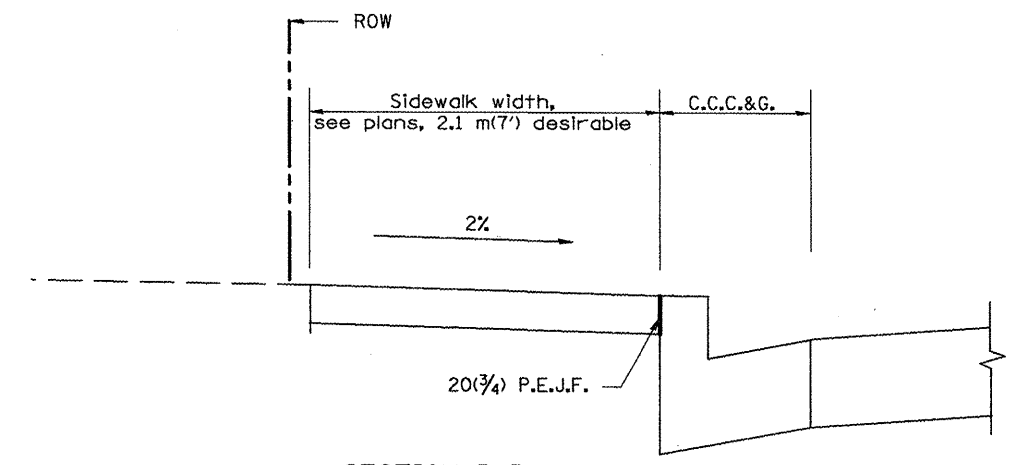
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

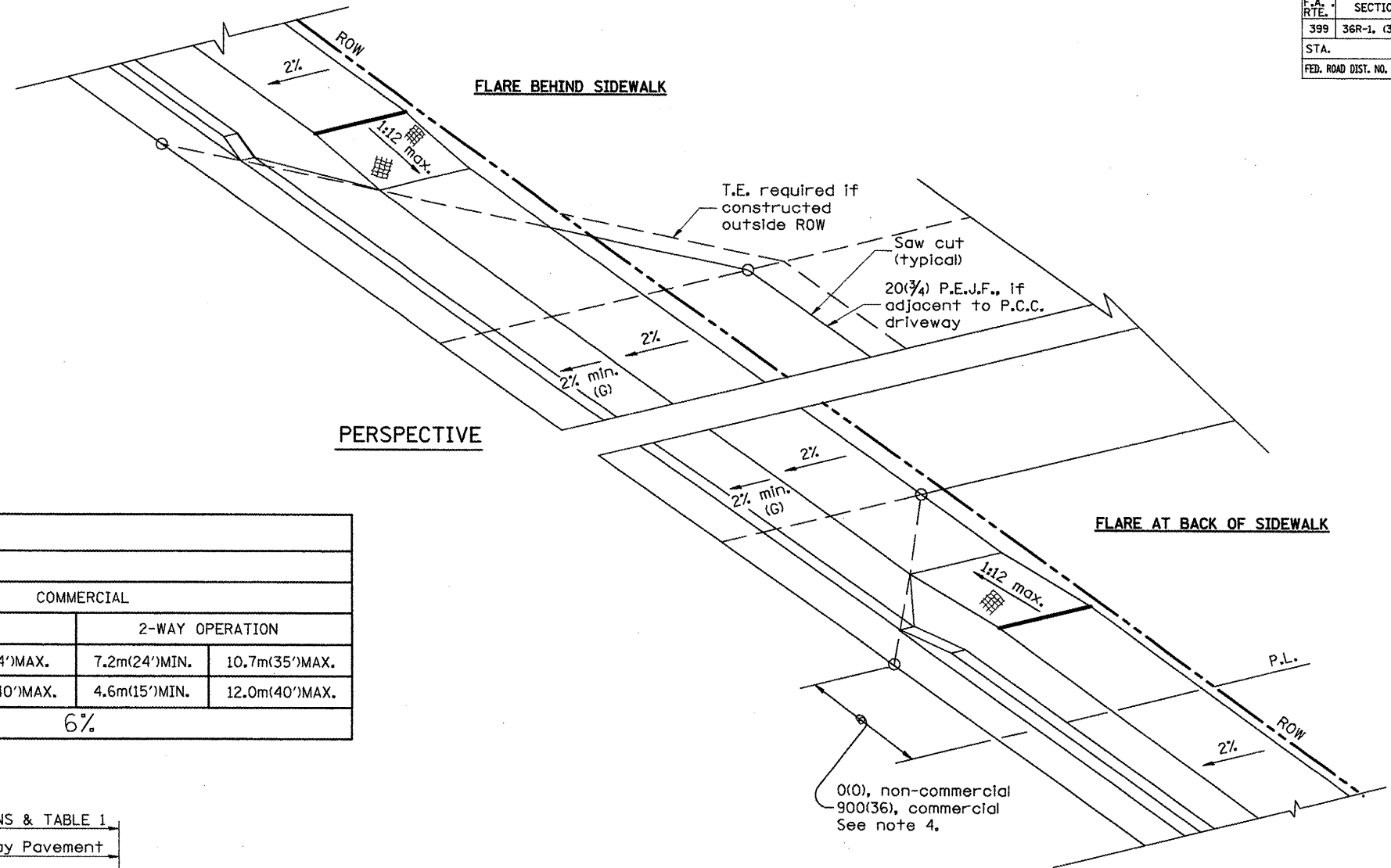
All dimensions are in millimeters (Inches) unless otherwise noted.

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

DATE

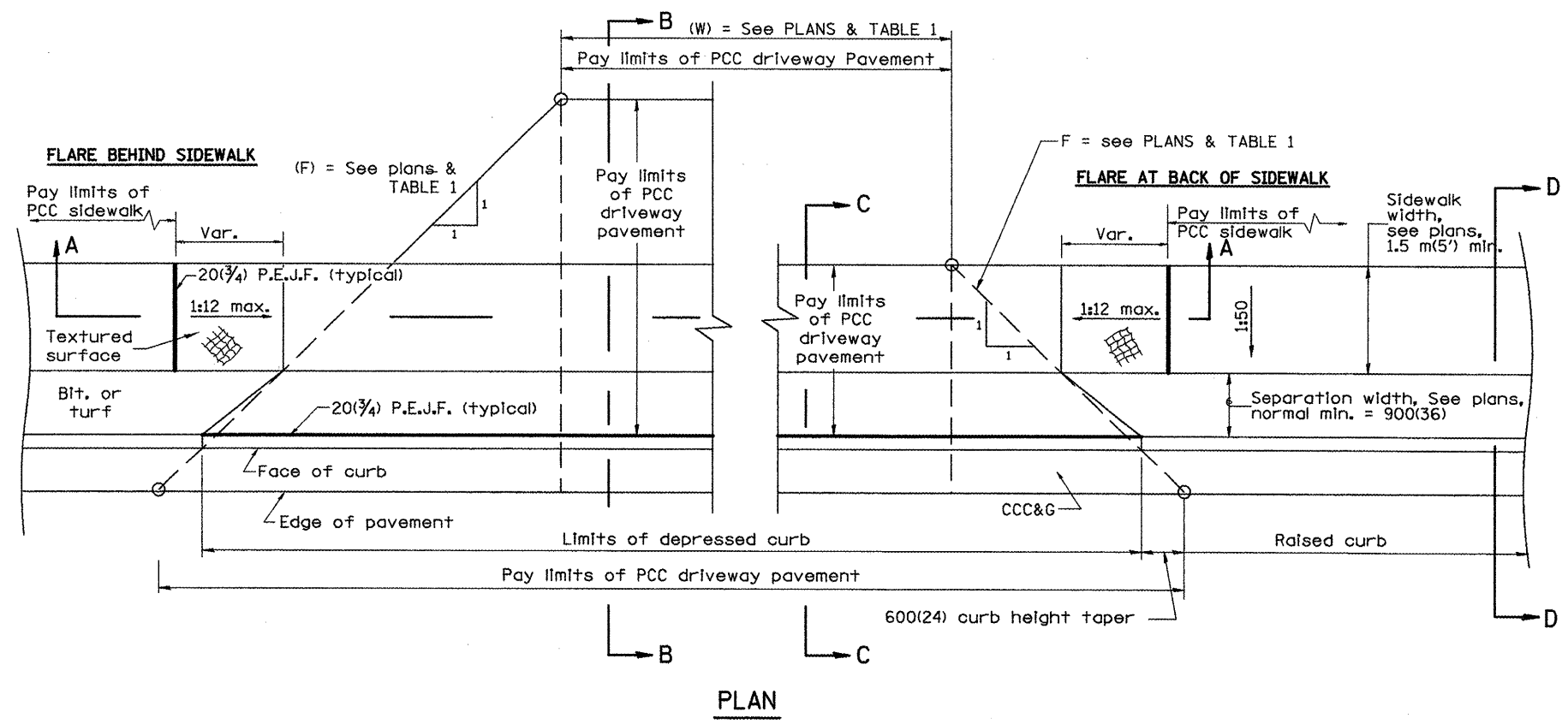
DGN-ONLY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	246
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



PERSPECTIVE

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



PLAN

GENERAL NOTES

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

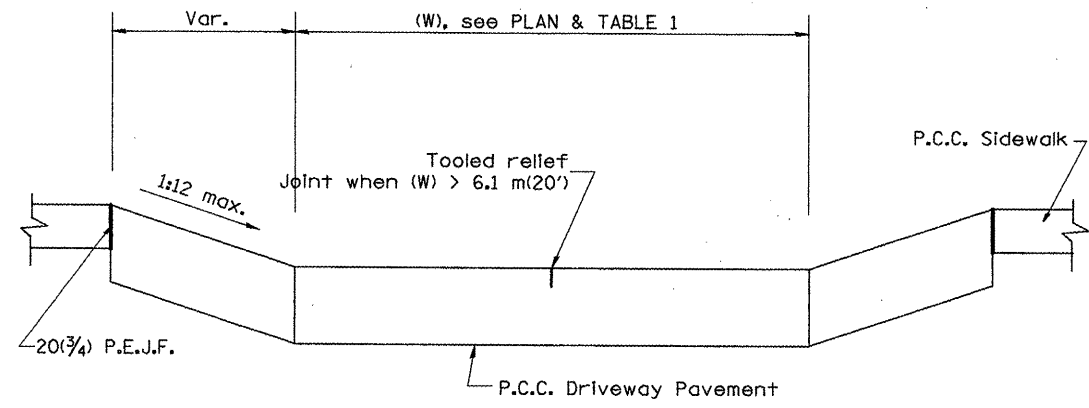
All dimensions are in millimeters (inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
URBAN ENTRANCES	
ACCESSIBLE TO THE DISABLED	
FOR SEPARATED SIDEWALKS	
CADD STD NO. 423106-D4	SHEET 1 OF 2
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE **DATE**	CHECKED BY

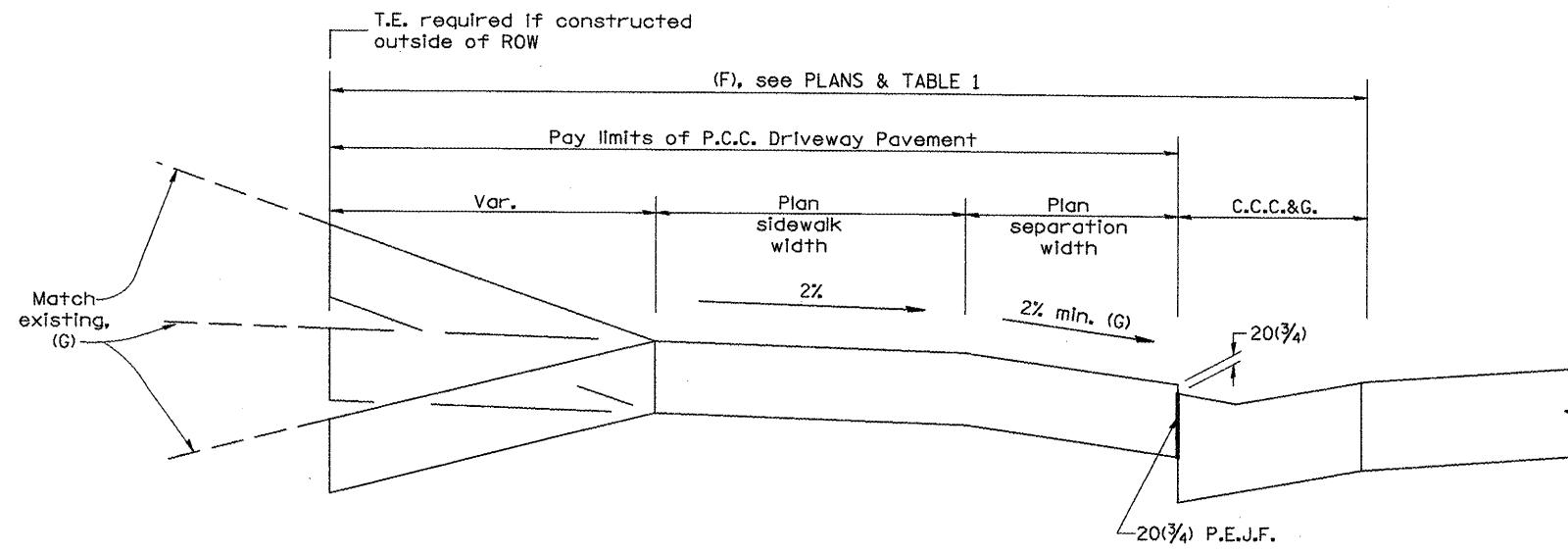
DATE	REVISIONS	BY
1-1-97	RENUM. C-103.01, NEW REVISION BOX	T.P.
1-17-03	REMOVE CURB CONTRACTION JOINT	JATR M.M.A.
9-15-05		

1. FLARES ARE RECOMMENDED FOR SIDEWALKS WITH NARROW SEPARATIONS.
 2. DESIGNER SHOULD REVIEW BDE CHAPTER 58.
 3. STATE STANDARD 424001 SHOULD BE INCLUDED IN THE PLANS TO SUPPLEMENT THIS DRAWING

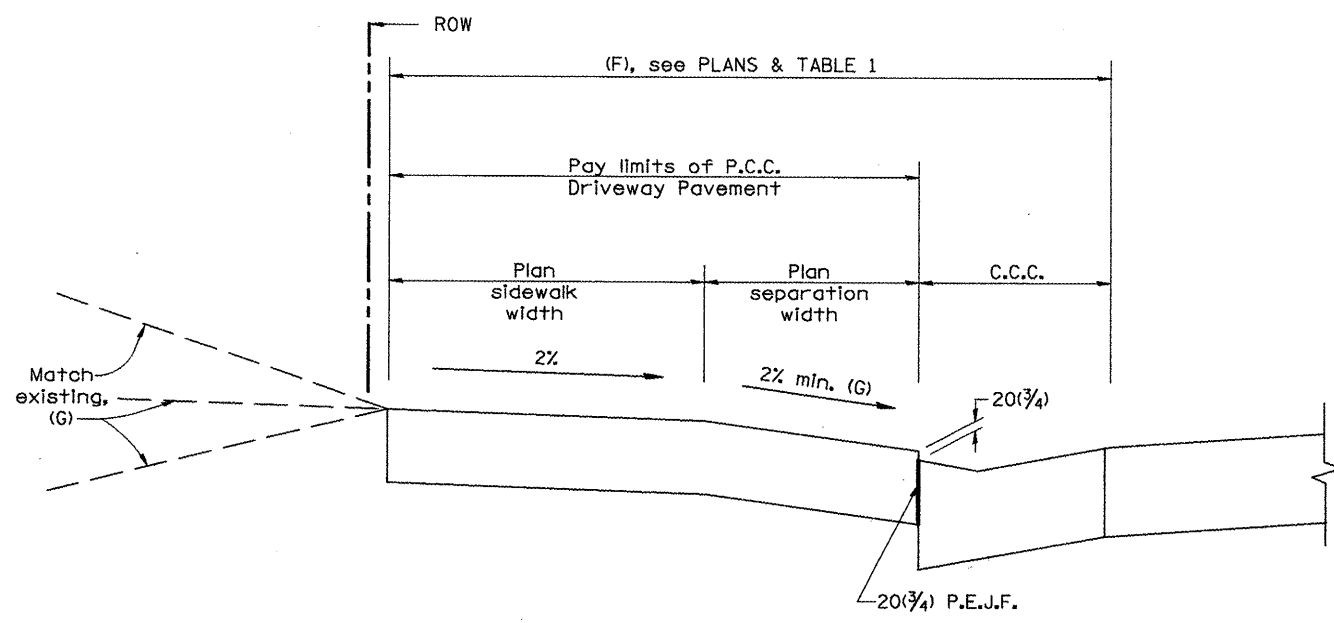
F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (3TR-2)	TAZEWELL	449	247
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



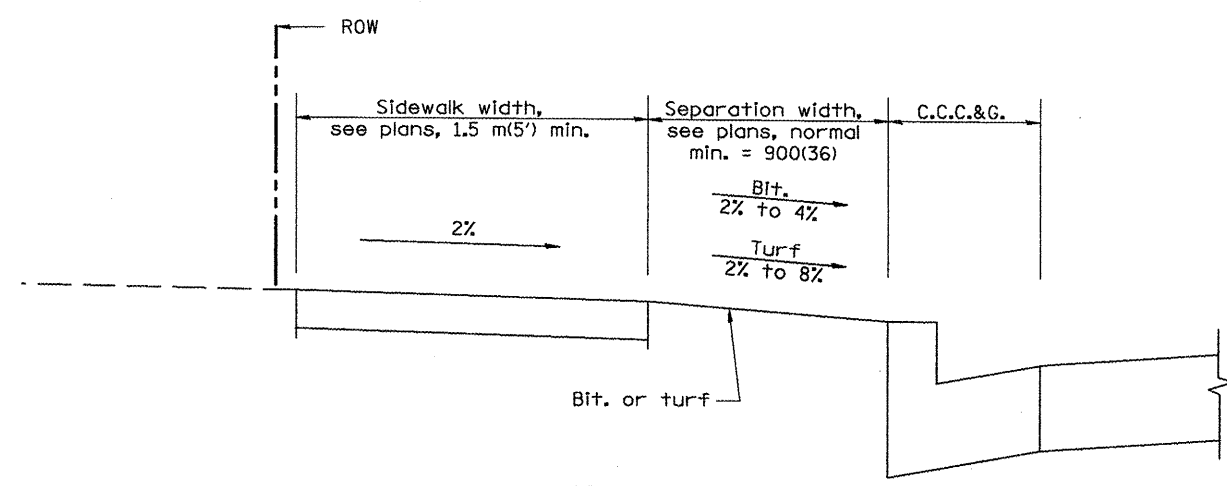
SECTION A-A



SECTION B-B



SECTION C-C



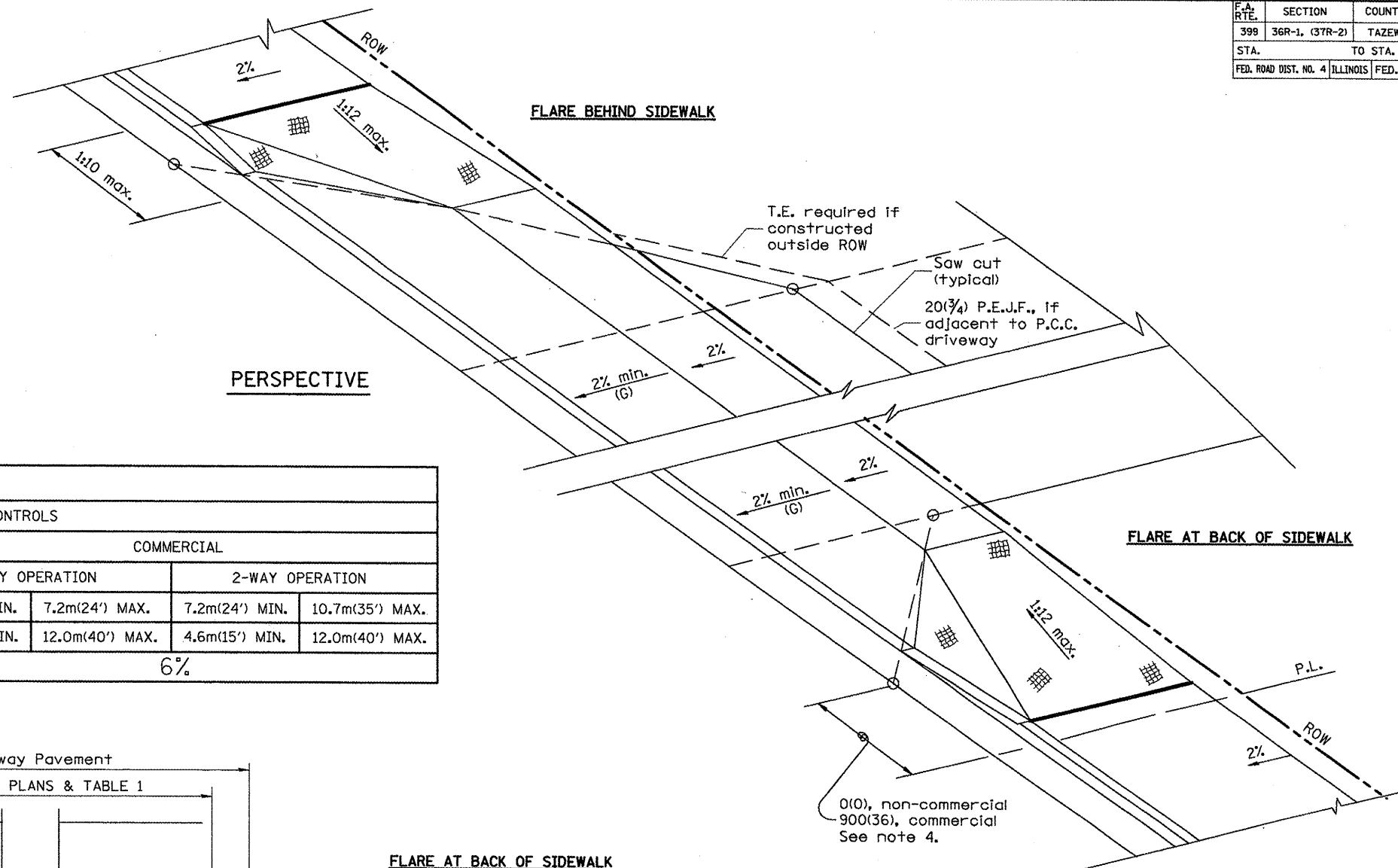
SECTION D-D

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

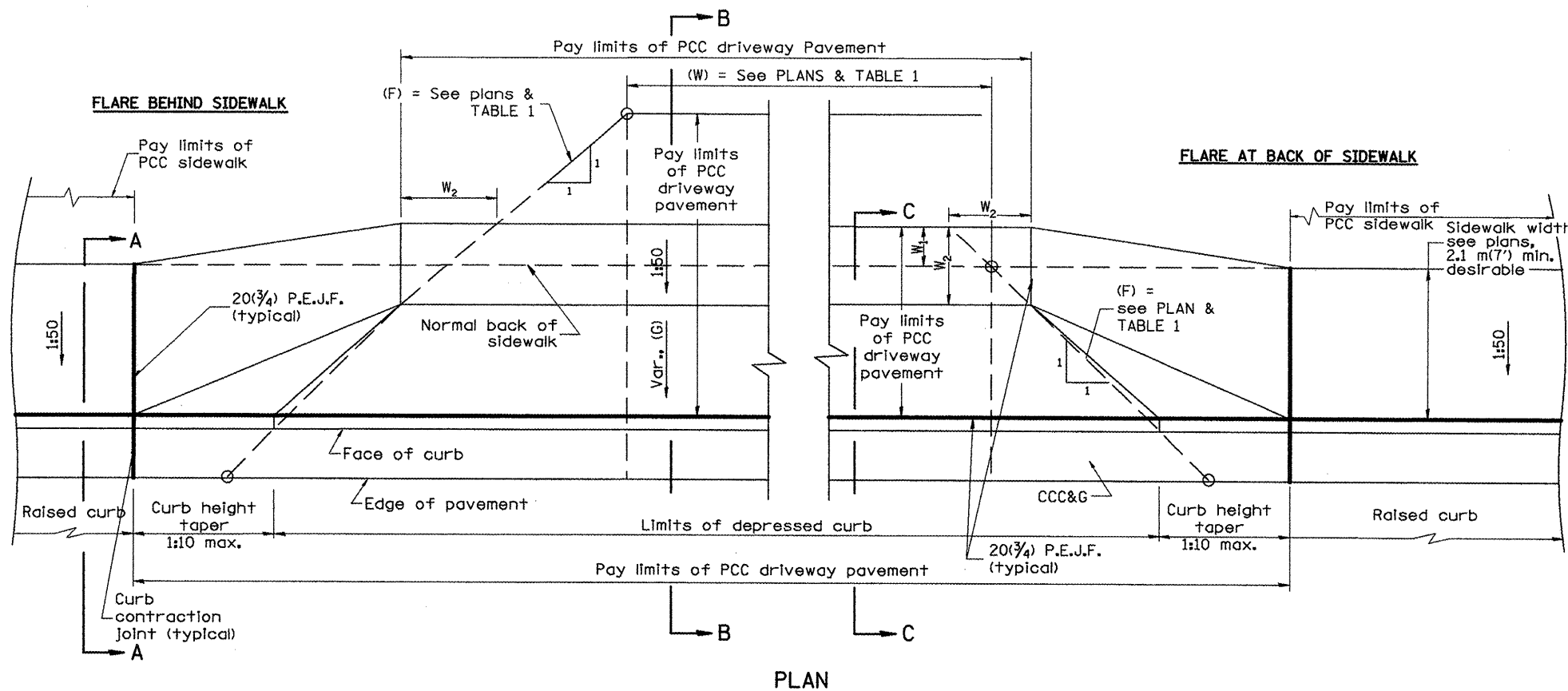
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD
 URBAN ENTRANCES
 ACCESSIBLE TO THE DISABLED
 FOR SEPARATED SIDEWALKS
 CADD STD NO. 423106-D4 SHEET 2 OF 2
 SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
 DATE **DATE** CHECKED BY

DATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
398	36R-1, (3TR-2)	TAZEWELL	449	248
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	



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



PLAN
 W_1 = widening behind normal sidewalk (See plans)
 W_2 = sidewalk slope at 1:50; minimum width = 900(36)

GENERAL NOTES

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

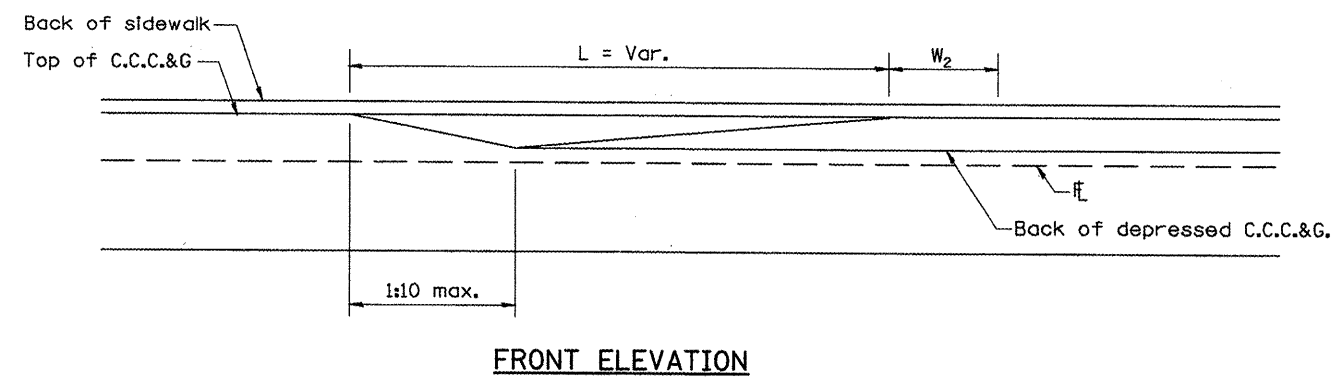
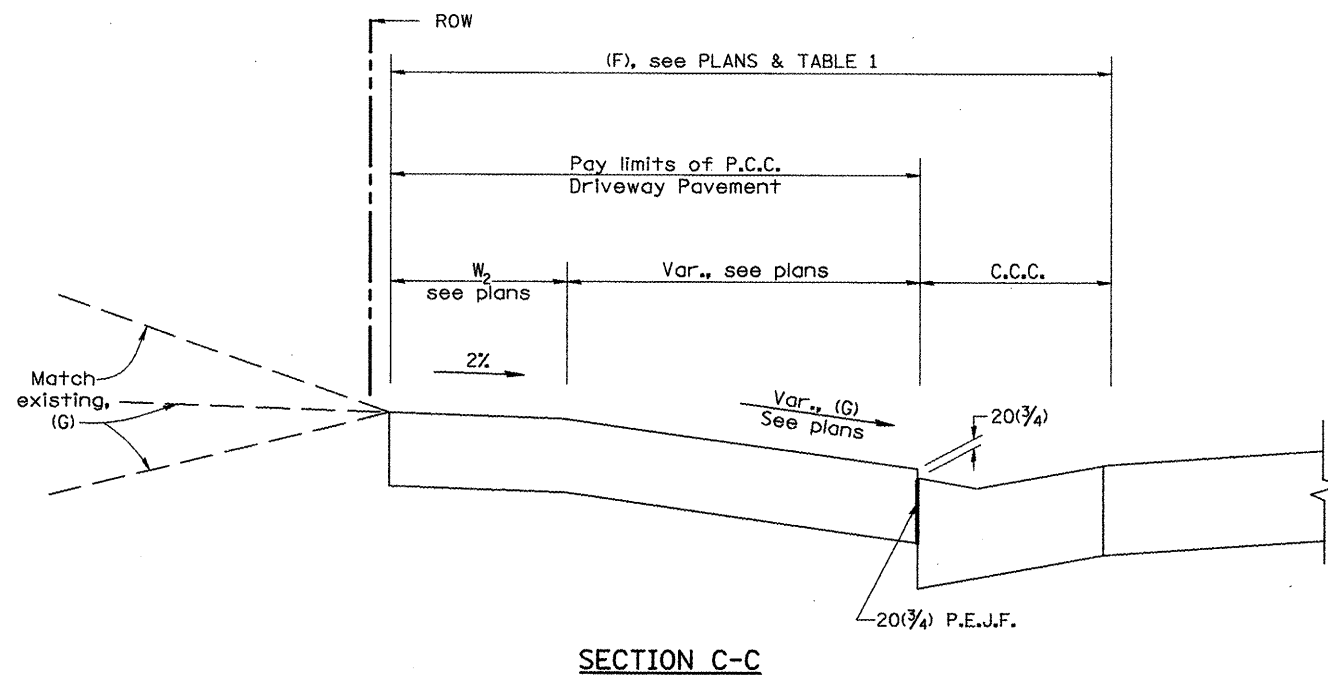
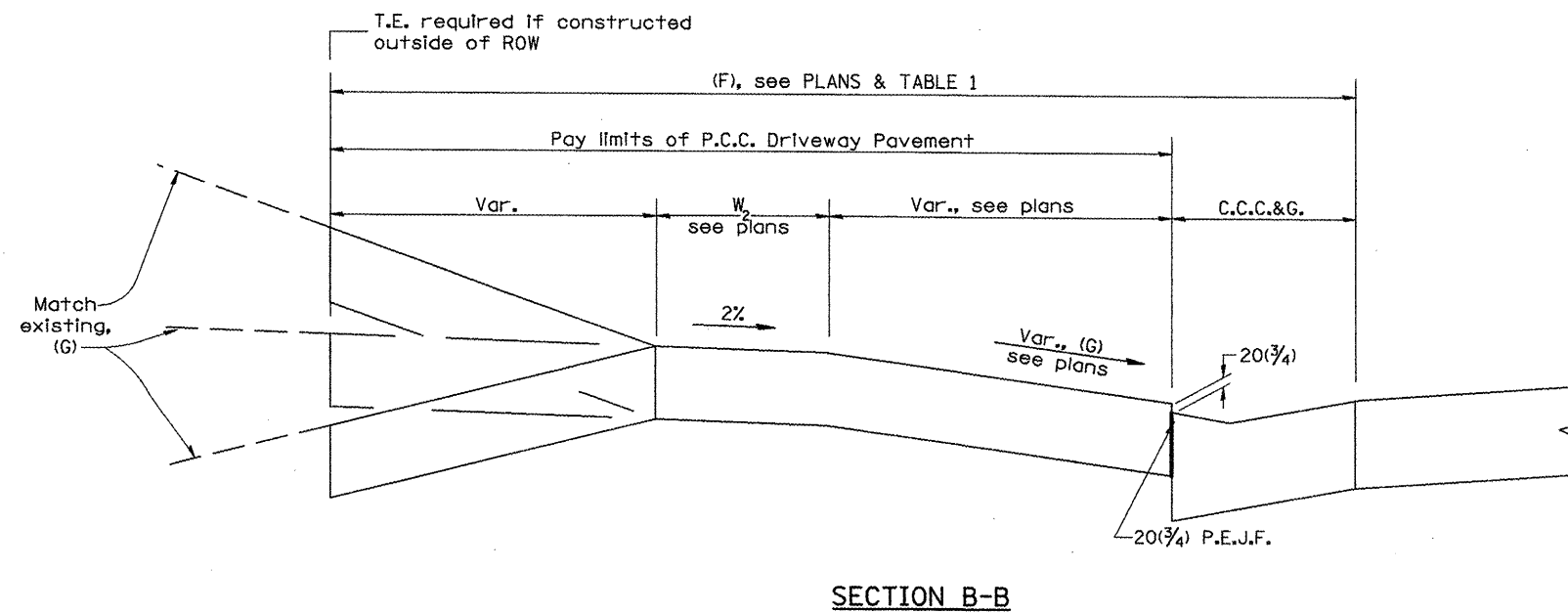
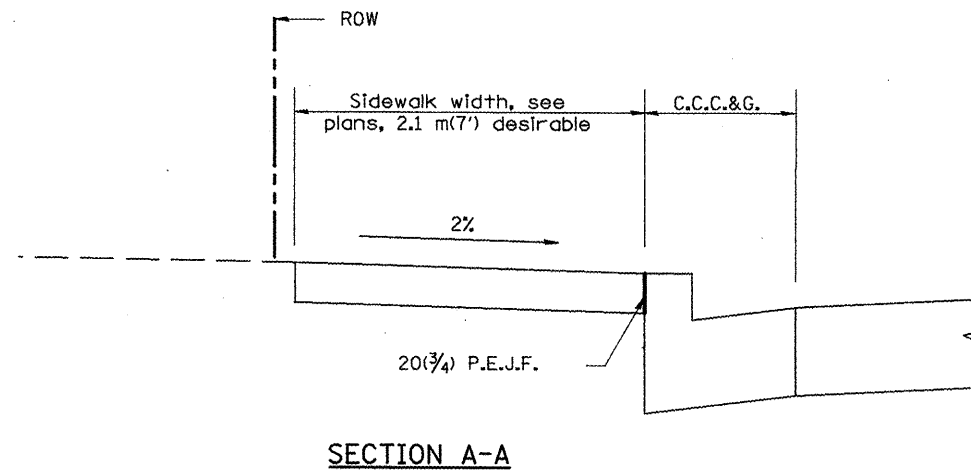
All dimensions are in millimeters (inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION			
DISTRICT CADD STANDARD			
URBAN ENTRANCES ACCESSIBLE TO THE DISABLED SPECIAL DESIGN FOR CURBLINE SIDEWALKS			
CADD STD NO. 423111-D4		SHEET 1 OF 2	
SCALE: NOT DRAWN TO SCALE	DRAWN BY: CADD	CHECKED BY: T. PICKERING	
DATE: **DATE**			

DATE	REVISIONS	BY
1-1-97	RENUM. C-103.03, NEW REVISION BOX	T.P.
9-15-05	REVISED DESIGNER NOTE	M.M.A.

1:1 FLARES ARE RECOMMENDED FOR CURBLINE SIDEWALKS.
 2: DESIGNER SHOULD REVIEW CHAPTER 58 OF BDE FOR THE ADA REQUIREMENTS.
 3: INCLUDE STATE STANDARD 424001 AND 606001.
 DATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	249
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	

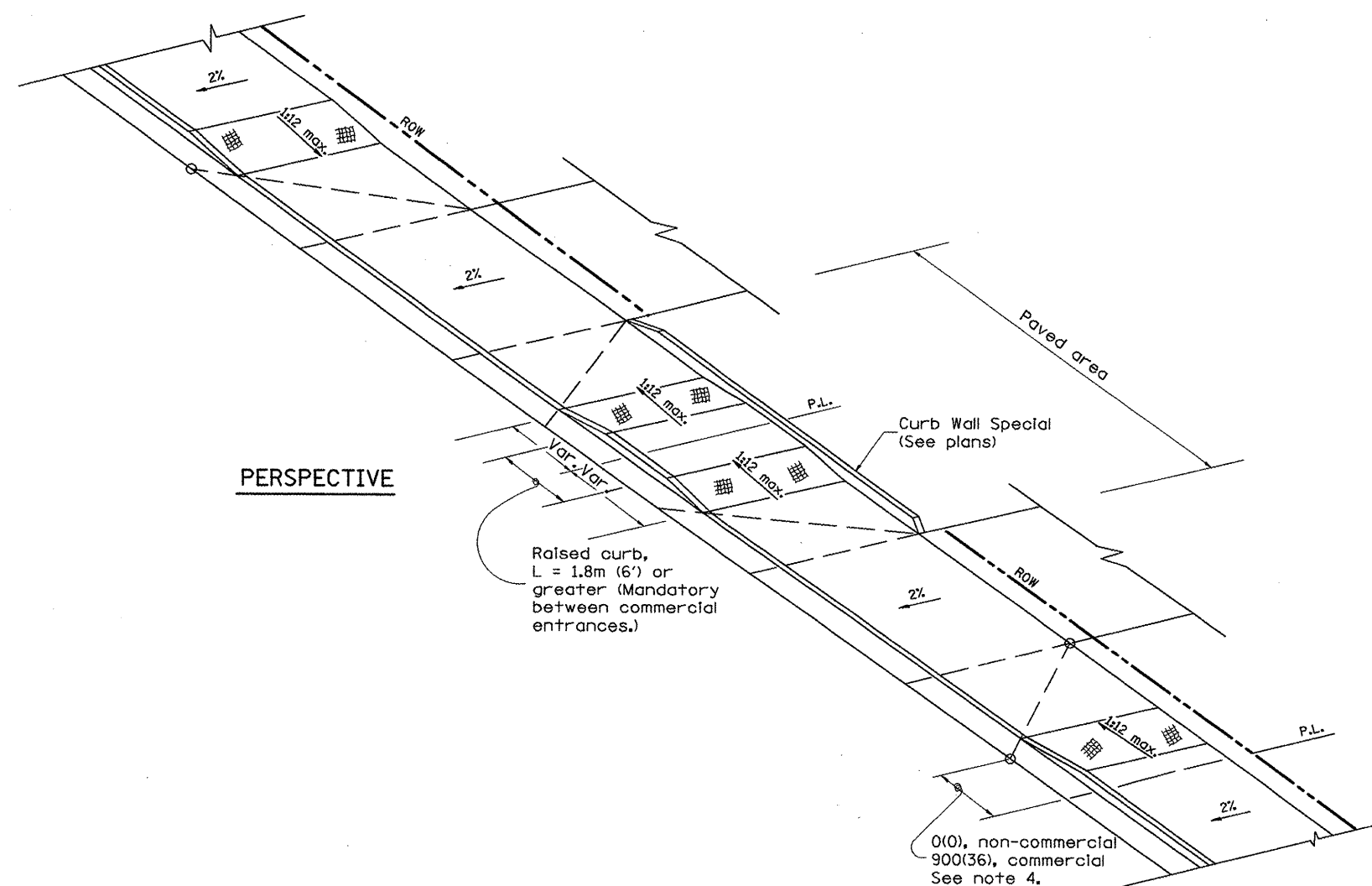


All dimensions are in millimeters (inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT CADD STANDARD
 URBAN ENTRANCES ACCESSIBLE TO THE DISABLED SPECIAL DESIGN FOR CURBLINE SIDEWALKS
 CADD STD NO. 423111-D4 SHEET 2 OF 2
 SCALE: NOT TO SCALE
 DATE: **DATE**
 DRAWN BY: CADD
 CHECKED BY: T. PICKERING

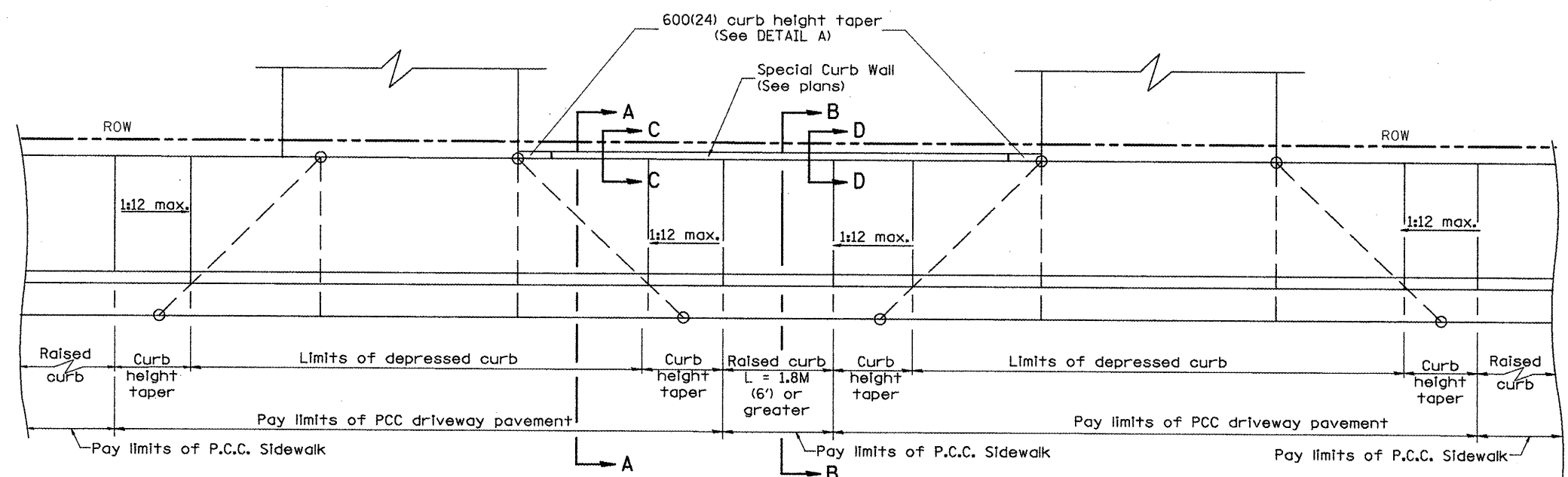
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	250
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

DESIGNER NOTE
 1. THIS DRAWING SHOULD BE USED IN CONJUNCTION WITH DISTRICT CADD STD. "URBAN ENTRANCES, ACCESSIBLE TO THE DISABLED, FOR CURBLINE SIDEWALKS."
 2. THIS DRAWING IS FOR USE WHEN A LENGTH OF RAISED CURB OF L = 1.8M(6') OR GREATER CAN BE OBTAINED BETWEEN ENTRANCES.
 DGN-ONLY



GENERAL NOTES

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



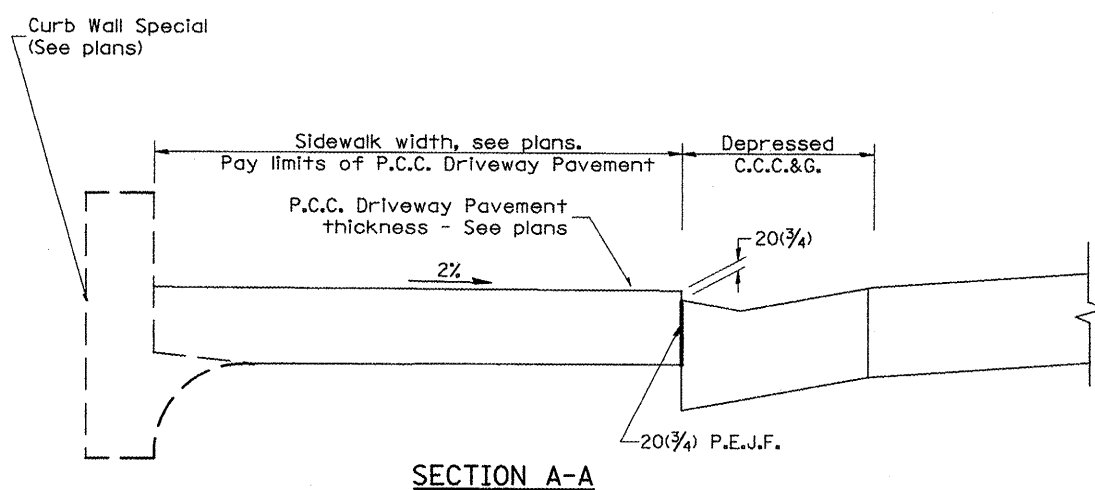
PLAN

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

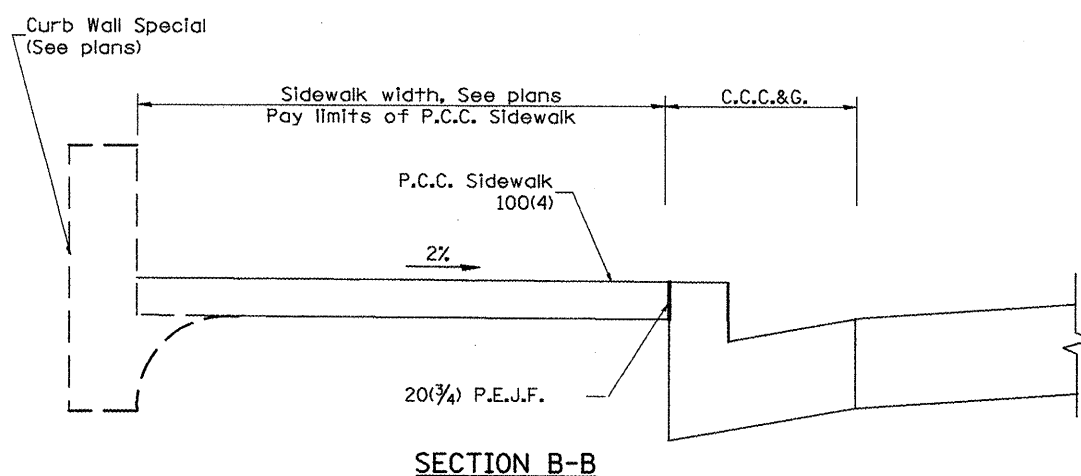
DATE	REVISIONS	BY
1-1-97	RENUM. C-103.07, NEW REV. BOX	T.P.
2-1-99	CORRECT SHEET 2 TITLE	J.A.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD
 URBAN ENTRANCES
 SPECIAL DESIGN FOR
 CLOSELY SPACED ENTRANCES
 (WITH PAVEMENT EDGE CURB BETWEEN ENTRANCES)
 CADD STD NO. 423116-D4 SHEET 1 OF 2
 SCALE: NOT TO SCALE DRAWN BY: CADD
 DATE: **DATE** CHECKED BY: T. PICKERING

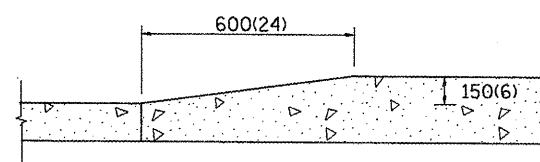
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	251
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



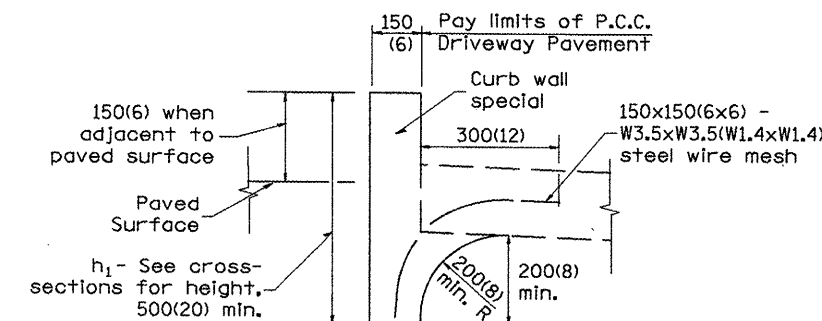
SECTION A-A



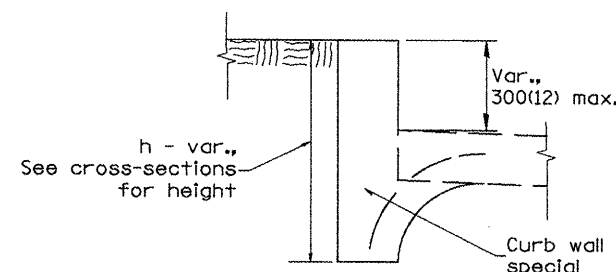
SECTION B-B



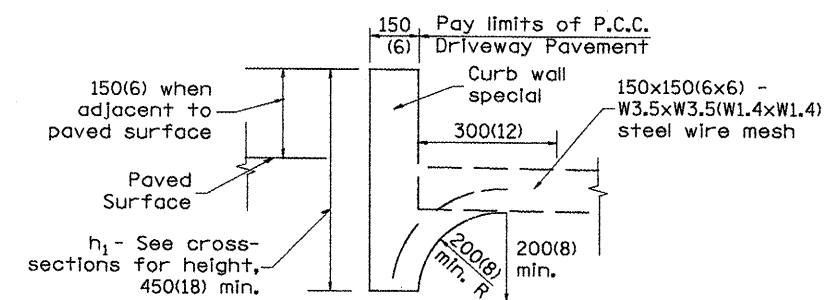
DETAIL 'A'
Curb Height Taper Detail



SECTION C-C
TYPICAL APPLICATION
BETWEEN DRIVEWAYS



ALTERNATE TREATMENT
WITH TURF BORDER



SECTION D-D
TYPICAL APPLICATION
BETWEEN DRIVEWAYS

CURB WALL - SPECIAL

Measurement formula: $h_1 \times \text{length constructed} =$
Payment area in square meters (square feet)

GENERAL NOTES

1. The Curb Wall, Special, shall be poured monolithically with the adjacent P.C.C. Driveway Pavement or P.C.C. Sidewalk.
2. All provisions of Sections 424 and 606 of the Standard Specifications shall apply unless otherwise shown.

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

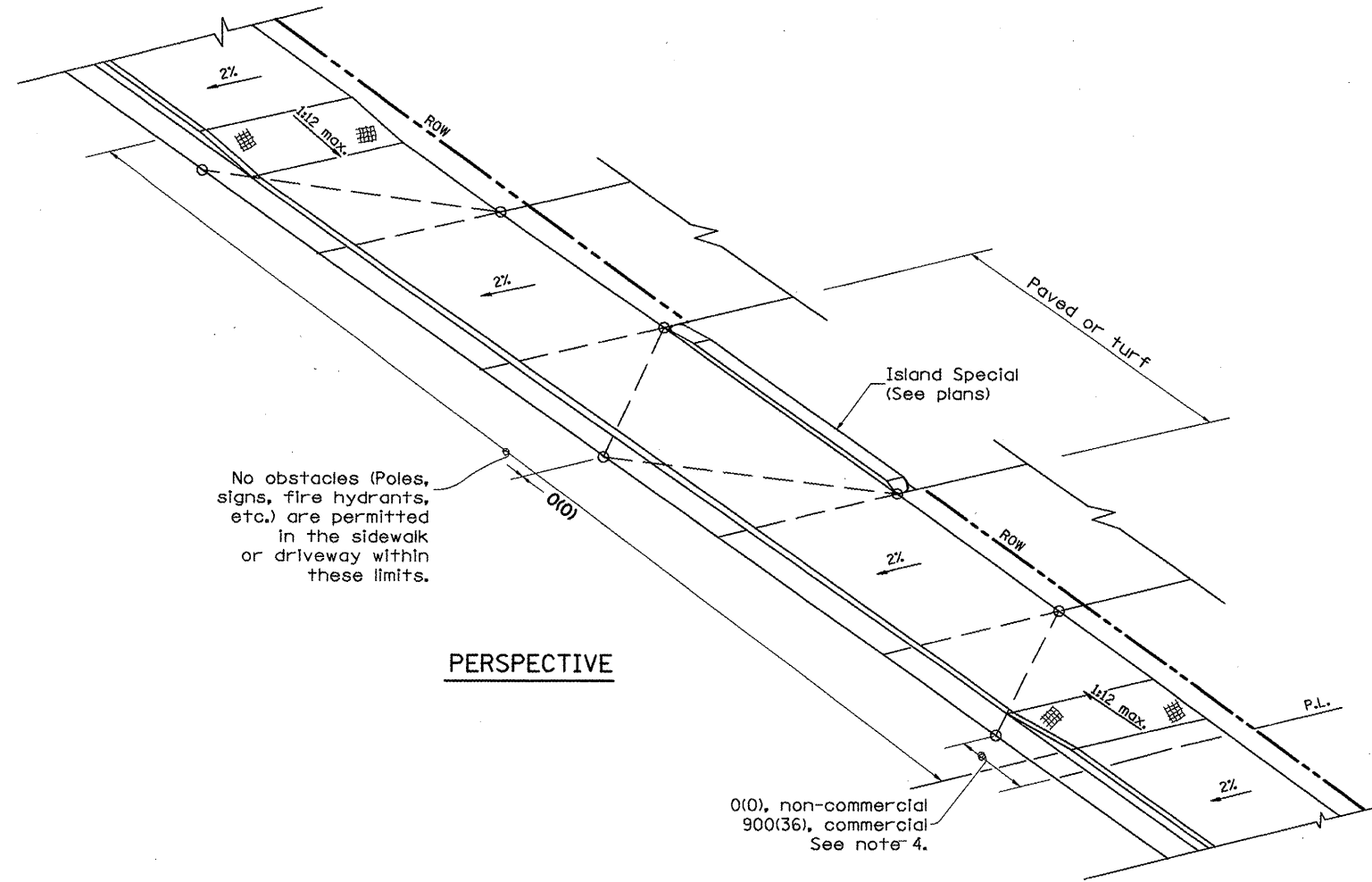
ILLINOIS DEPARTMENT OF TRANSPORTATION
**URBAN ENTRANCES
 SPECIAL DESIGN FOR
 CLOSELY SPACED ENTRANCES**
 (WITH PAVEMENT EDGE CURB BETWEEN ENTRANCES)
 CADD STD NO. 423116-D4 SHEET 2 OF 2
 SCALE: NOT TO SCALE DRAWN BY: CADD
 DATE: **DATE** CHECKED BY: T. PICKERING

423116-D4 (2)

***DATE**

DGN-ONLY

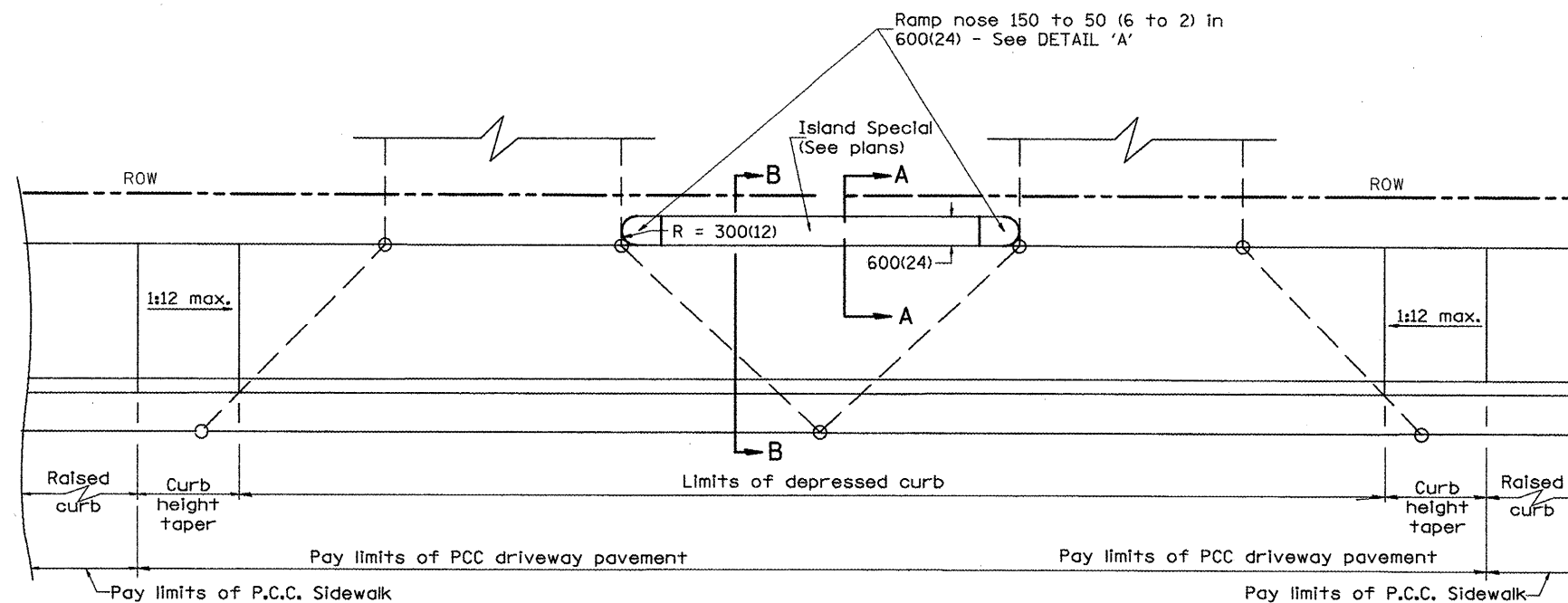
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	252
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	



PERSPECTIVE

GENERAL NOTES

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



PLAN

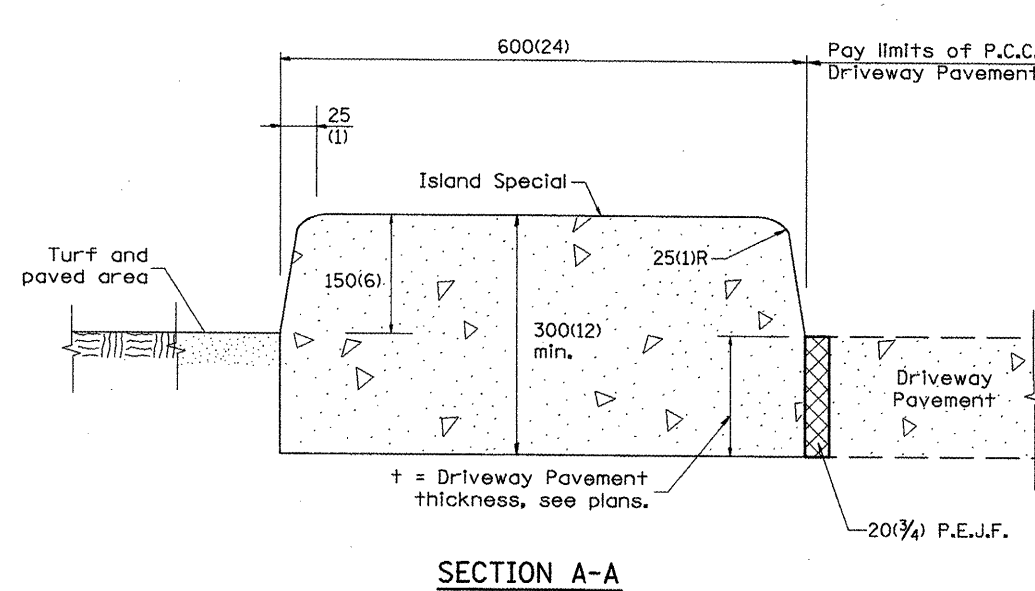
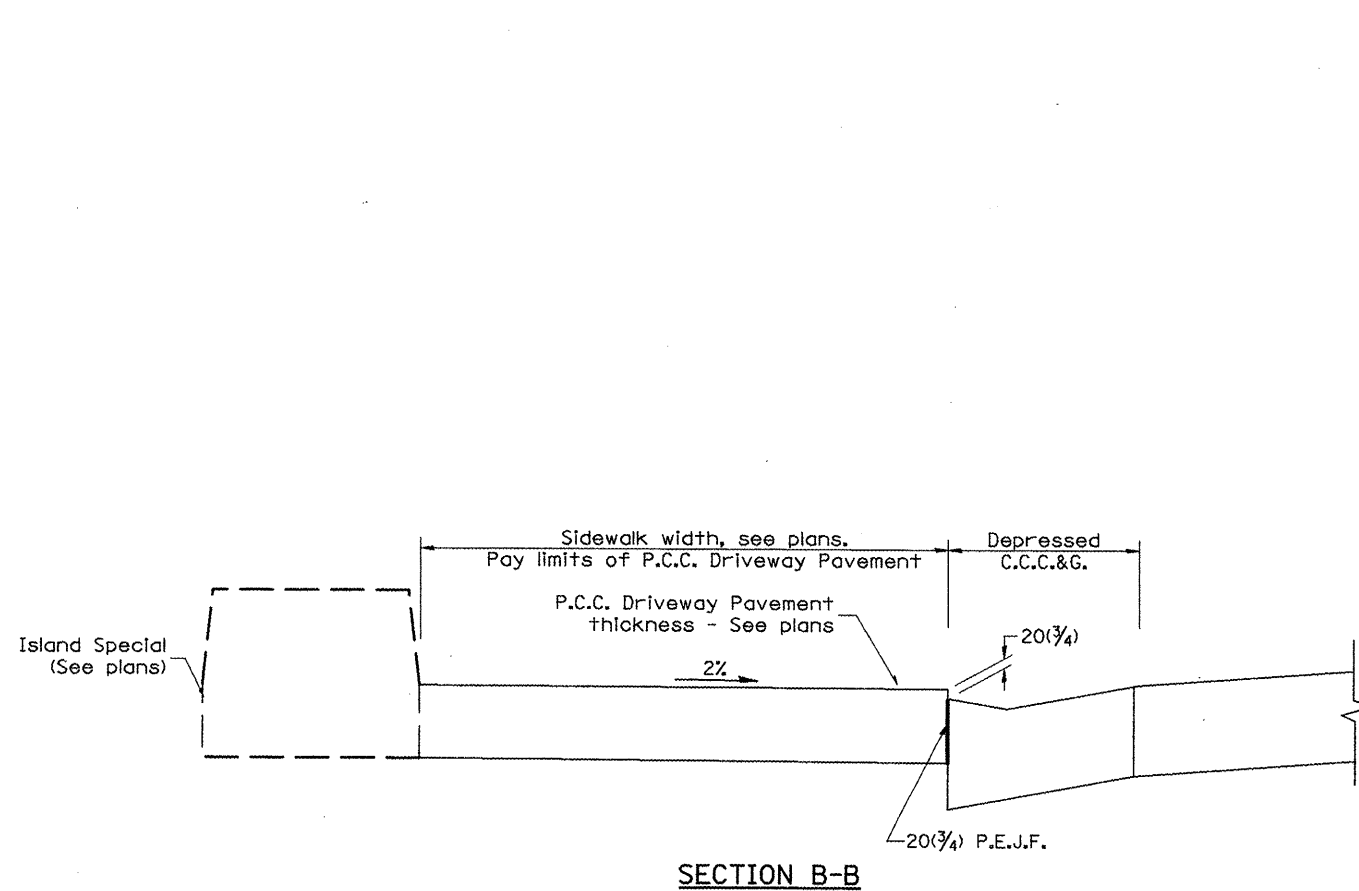
All dimensions are in millimeters (inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD
 URBAN ENTRANCES SPECIAL DESIGN FOR CLOSELY SPACED ENTRANCES
 (WITHOUT PAVEMENT EDGE CURB BETWEEN ENTRANCES)
 CADD STANDARD 423121-D4 SHEET 1 OF 2
 SCALE: NOT TO SCALE DRAWN BY: CADD
 DATE: **DATE** CHECKED BY: T. PICKERING

DATE	REVISIONS	BY
1-1-97	RENUM. C-103.08, NEW REVISION BOX, REVISED GENERAL NOTES	T.P.
2-1-99	REVISE DESIGNER NOTE & B-B SECTION	J.A.

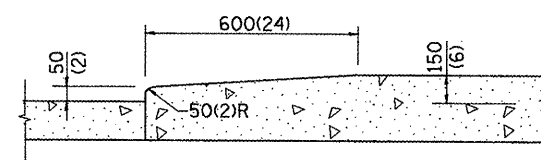
1. THIS DRAWING SHOULD BE USED IN CONJUNCTION WITH DISTRICT CADD STD. "URBAN ENTRANCES, ACCESSIBLE TO THE DISABLED, FOR CURBLINE SIDEWALKS."
 2. THIS DRAWING IS FOR USE WHEN DISTANCE BETWEEN DRIVEWAY FLARES IS LESS THAN 1.8M(6').
 3. INCLUDE STATE STANDARD 424001 AND 606001.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (3TR-2)	TAZEWELL	449	253
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



GENERAL NOTES

1. All provisions in Section 606 of the Standard Specifications shall apply unless otherwise shown.



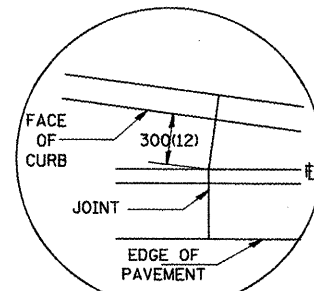
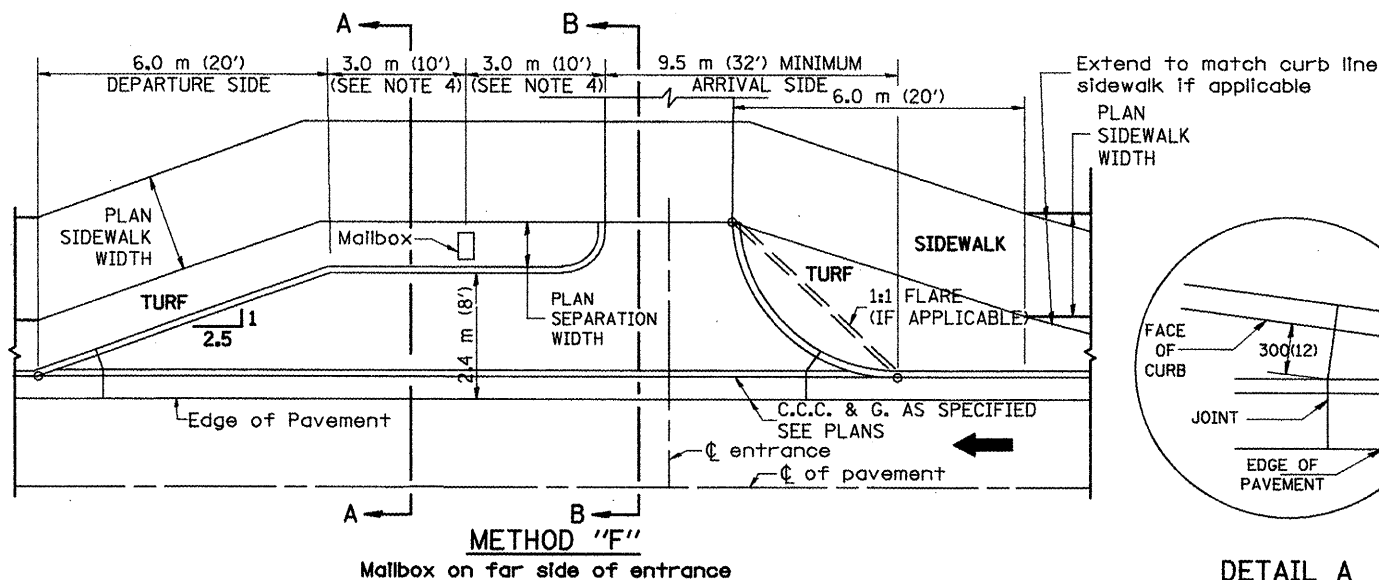
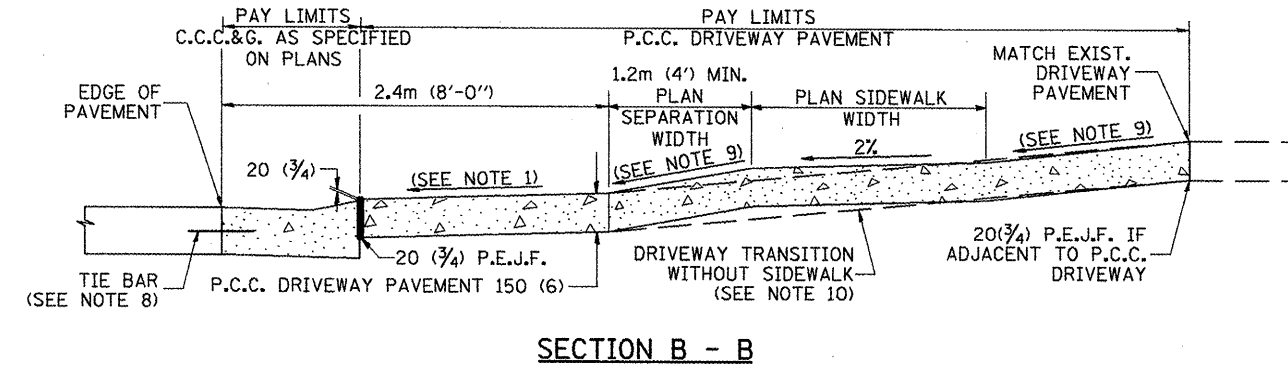
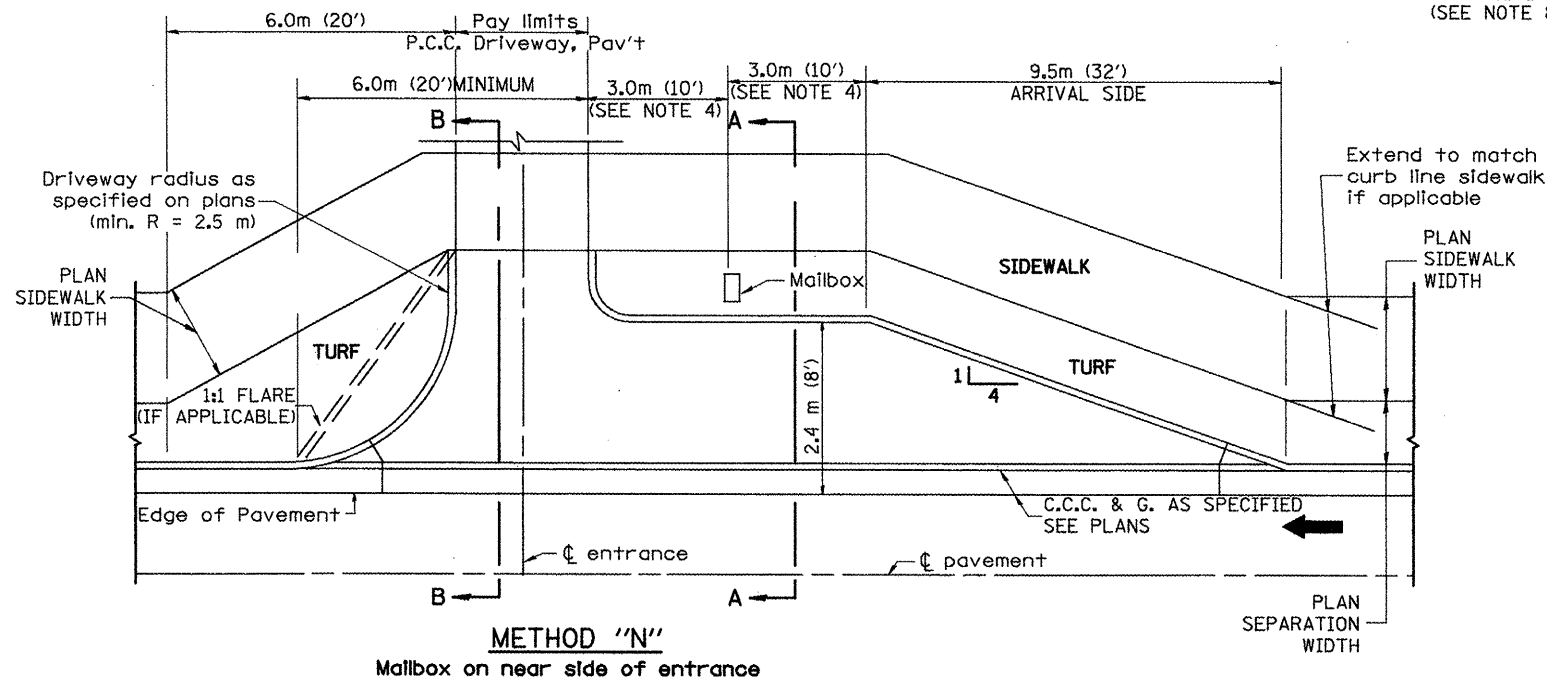
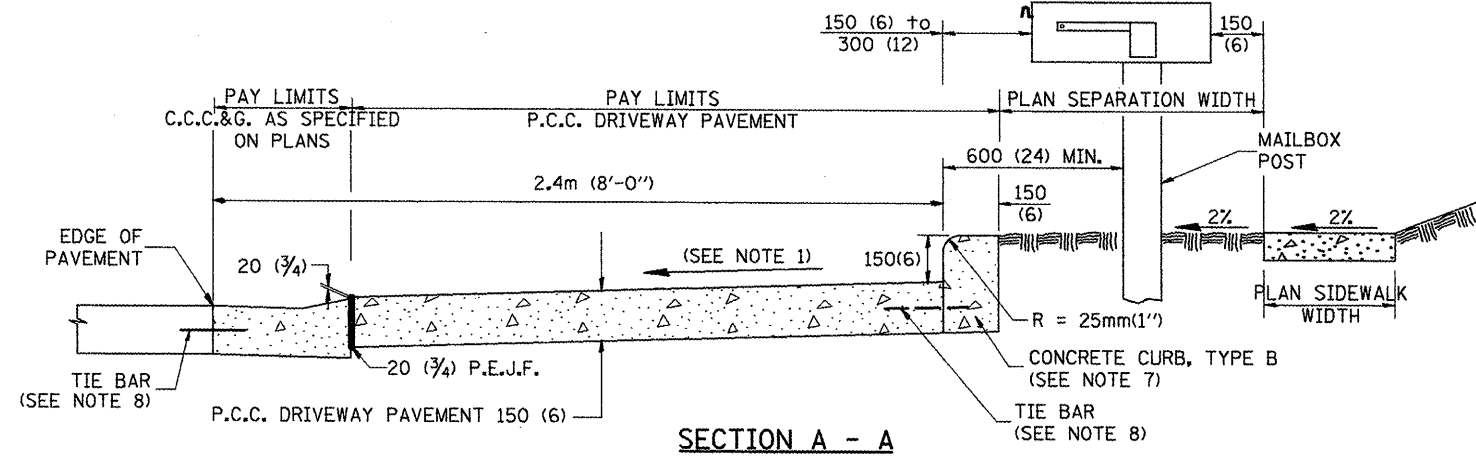
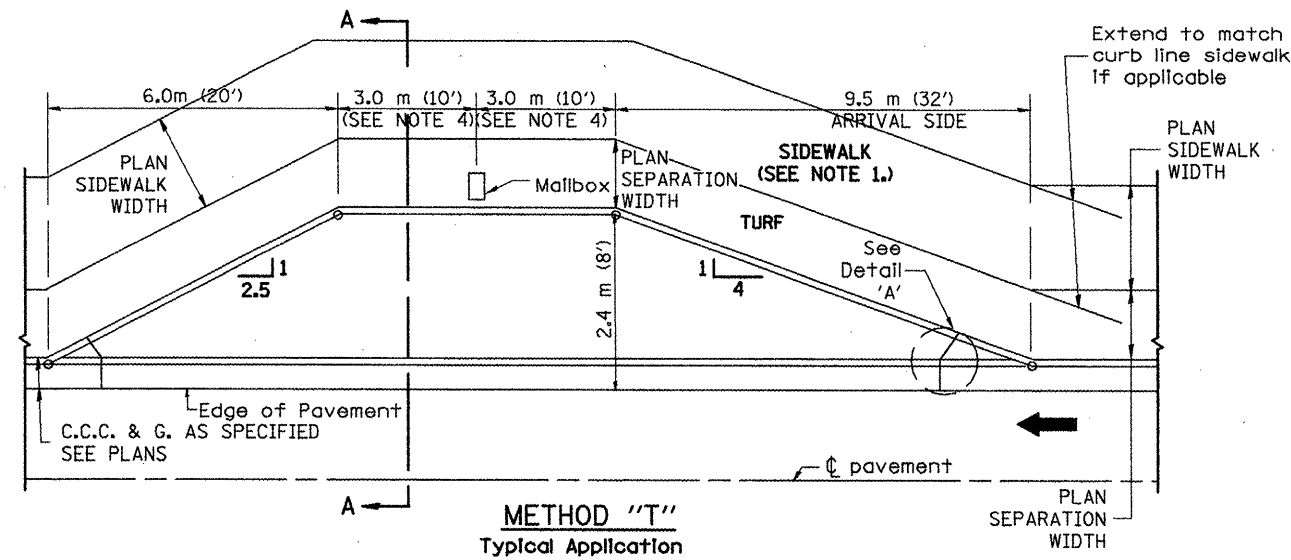
Nose ramping detail

ISLAND SPECIAL

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

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
URBAN ENTRANCES SPECIAL DESIGN FOR CLOSELY SPACED ENTRANCES	
(WITHOUT PAVEMENT EDGE CURB BETWEEN ENTRANCES)	
CADD STANDARD 423121-D4	SHEET 2 OF 2
SCALE: NOT TO SCALE	DRAWN BY: CADD
DATE: ##DATE##	CHECKED BY: T. PICKERING

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1 (37R-2)	TAZEWELL	449	254
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

1. Cross slope 2% to 4% (max) adjacent to normal crown roadway. See plans for turnout slopes on super elevated horizontal curves.
2. Mailboxes shall be mounted such that the face of the mailbox is 150(6) to 300(12) and the post a minimum of 600(24) from the face of the turnout curb.
3. The mailbox turnout shall be constructed according to Section 423 of the Standard Specification, with grooves at approximately 3.0 m (10'-0") centers.
4. If more than one mailbox is present, this dimension shall be measured from the end box in each direction.
5. Refer to the plans for entrance width, length and surface type.
6. Driveway curbs shall be tapered from the full height to ground level in a distance of approximately 600 (24) when applicable.
7. The Concrete Curb, Type B shall be included in the cost of P.C.C. Driveway Pavement. It is the contractor's option to pour the Concrete Curb, Type B monolithically with the driveway pavement. If it is poured separately, the Concrete Curb, Type B shall be constructed in accordance with Standard 606001 and connected to the proposed Driveway Pavement with tie bars.
8. Tie bars shall be placed in accordance with Standard 606001 and shall be included in the cost of the specified C.C.C.&G.
9. Cross slope to be constructed as given in the plans and District CADD Standards for urban entrances.
10. Where there is no sidewalk behind proposed turnout, the cross slope is to be constructed as given in the plans from back of turnout to where driveway matches existing.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

MAILBOX TURNOUTS IN CURB AND GUTTER SECTION

CADD STD NO. 406206-D4
SCALE: NOT DRAWN TO SCALE
DATE: **DATE**

DRAWN BY: CADD
CHECKED BY: T. PICKERING

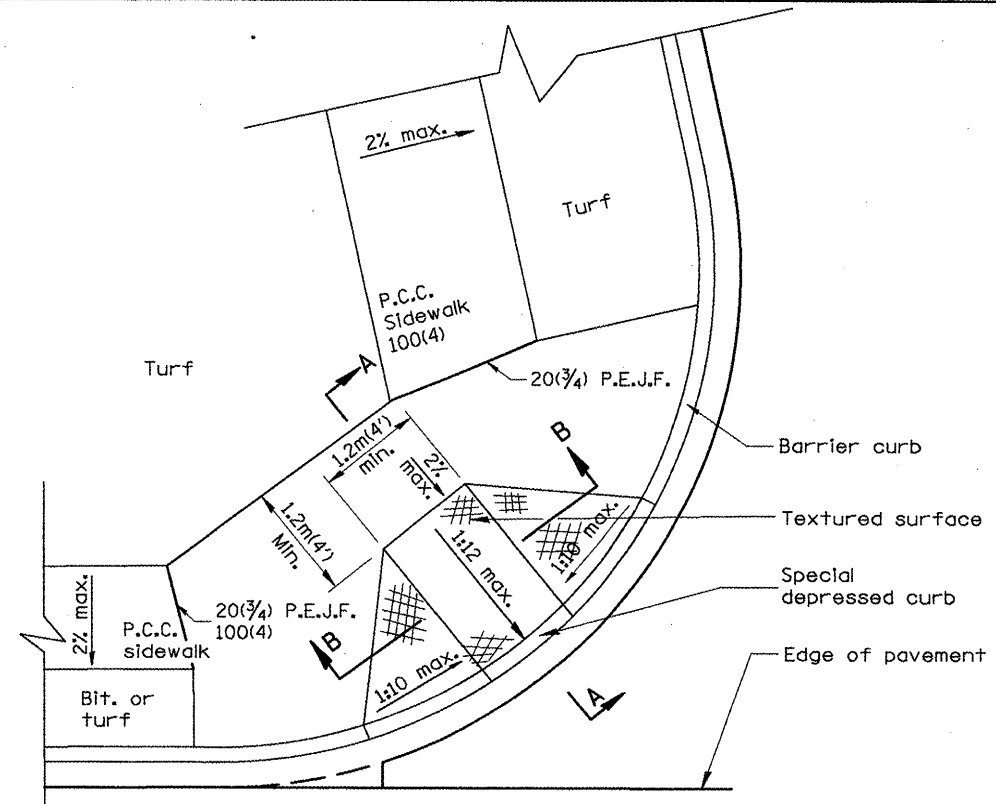
DATE	REVISIONS	BY
5-1-97	NEW DRAWING	J.A.

POST OFFICE BOX, WALK ROUTES, ETC) PRIOR TO USE, DISCUSSIONS WITH THE LOCAL POSTMASTER/ MUNICIPALITY SHOULD BE HELD TO DETERMINE APPROPRIATE MAIL DELIVERY OPTION. CONSIDERATION SHOULD BE GIVEN TO CONTINUOUS PAVING OF TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN TURNOUT CONTROL POINTS IS LESS THAN 15.0 m (50').

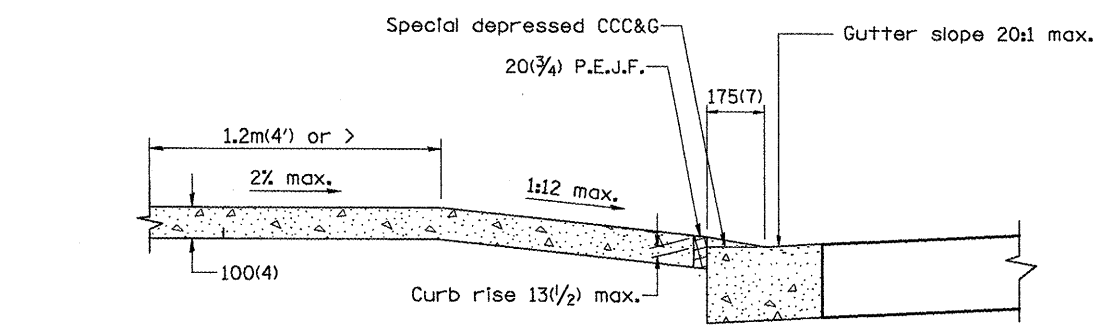
DATE

DGN-ONLY

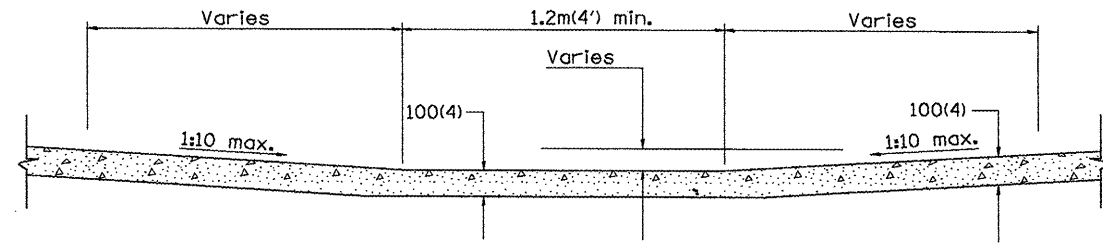
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (3TR-2)	TAZEWELL	449	255
STA.	TO STA.			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



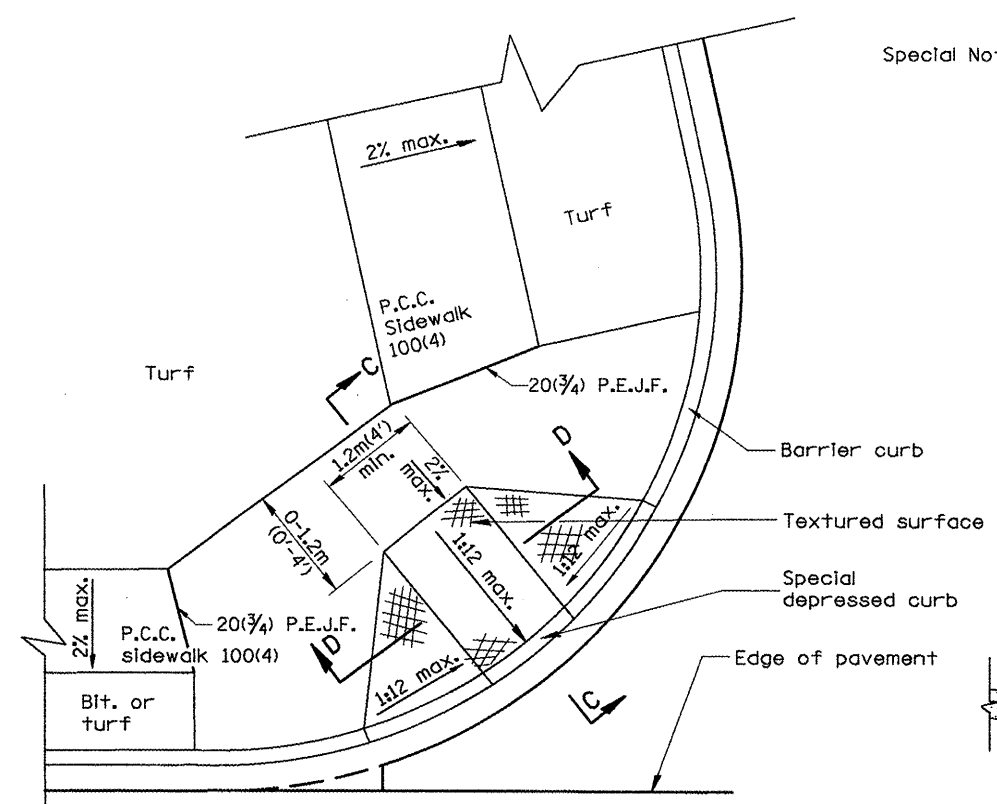
CASE 1
TYPE B RAMP WITH 1.2m(4') OR MORE AT BACK OF RAMP



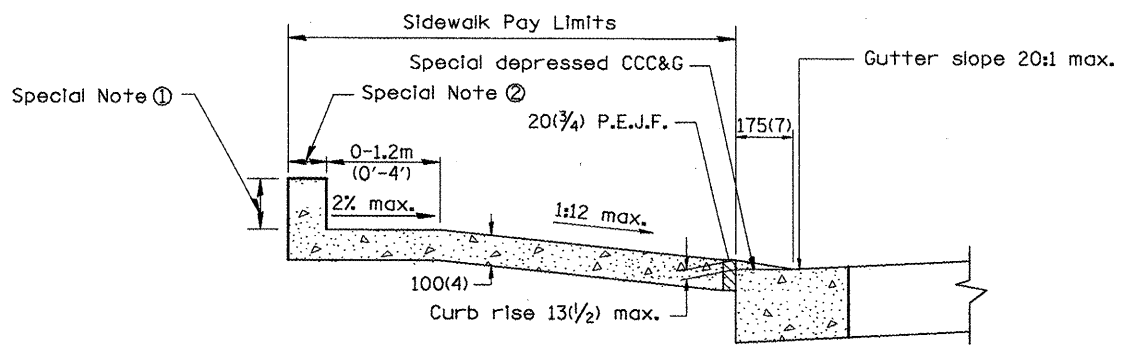
SEC. A-A



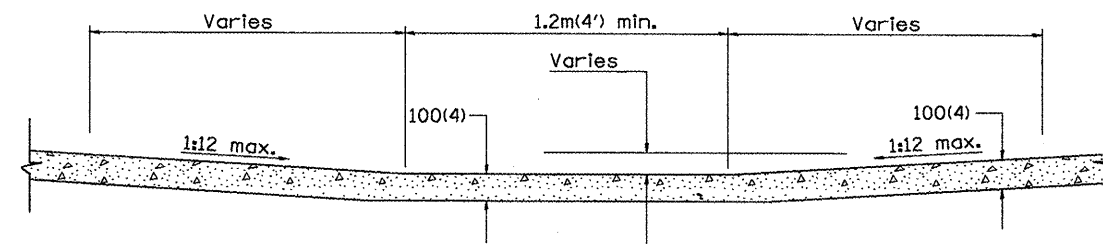
SEC. B-B



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



SEC. C-C



SEC. D-D

GENERAL NOTES

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

SPECIAL NOTES

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED	
CADD std. NO. 424001-D4	SHEET 1 of 2
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE **DATE**	CHECKED BY

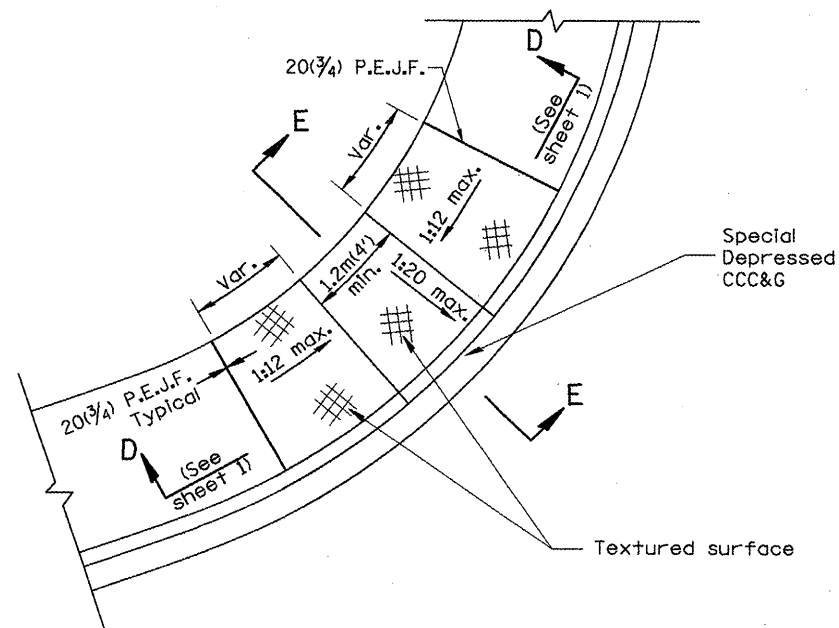
DATE	REVISIONS	BY
1-1-97	RENUM. A-5.01, NEW REVISION BOX, REVISED TITLE.	T.P.
9-15-05	REVISED DESIGNER NOTE	M.M.A.

1. THIS DRAWING SHOULD BE USED IN CONJUNCTION WITH STATE STANDARD 424001.
2. DESIGNER SHOULD REVIEW CHAPTER 58 OF THE BDE FOR ADA REQUIREMENTS.

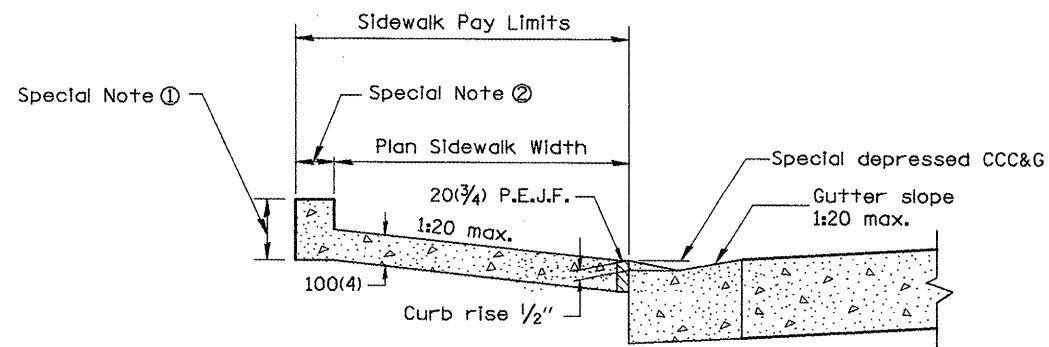
\$\$\$DATE\$\$\$

DGN-ONLY

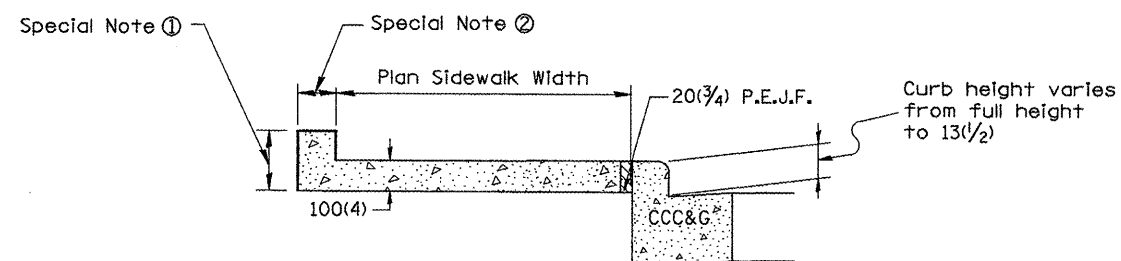
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	256
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	



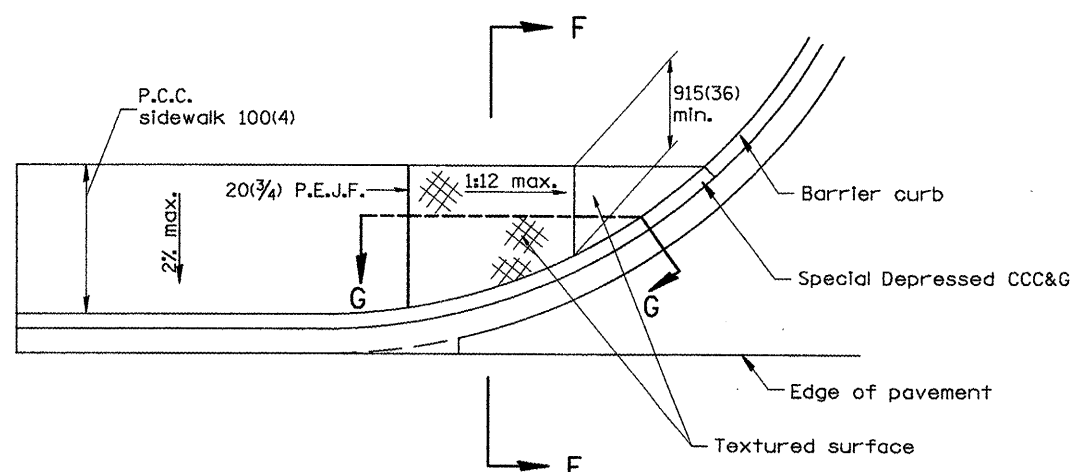
CASE 3
TYPE B DIAGONAL RAMP WITH CURBLIN SIDEWALK



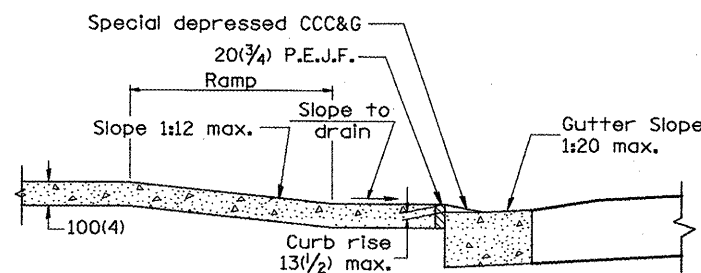
SEC. E-E



SEC. F-F



CASE 4
TYPE B RAMP WITH CURBLIN SIDEWALK



SEC. G-G

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

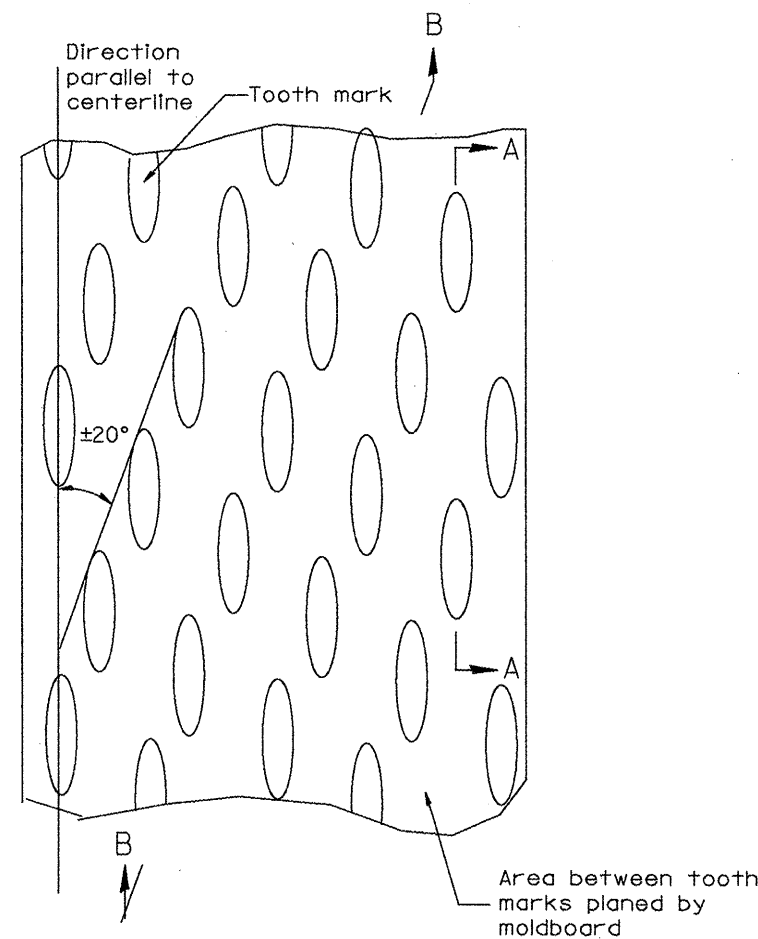
ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED	
CADD std. NO. 424001-D4	SHEET 2 of 2
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE **DATE**	CHECKED BY

424001-D4 (2)

DATE**

DGN-ONLY

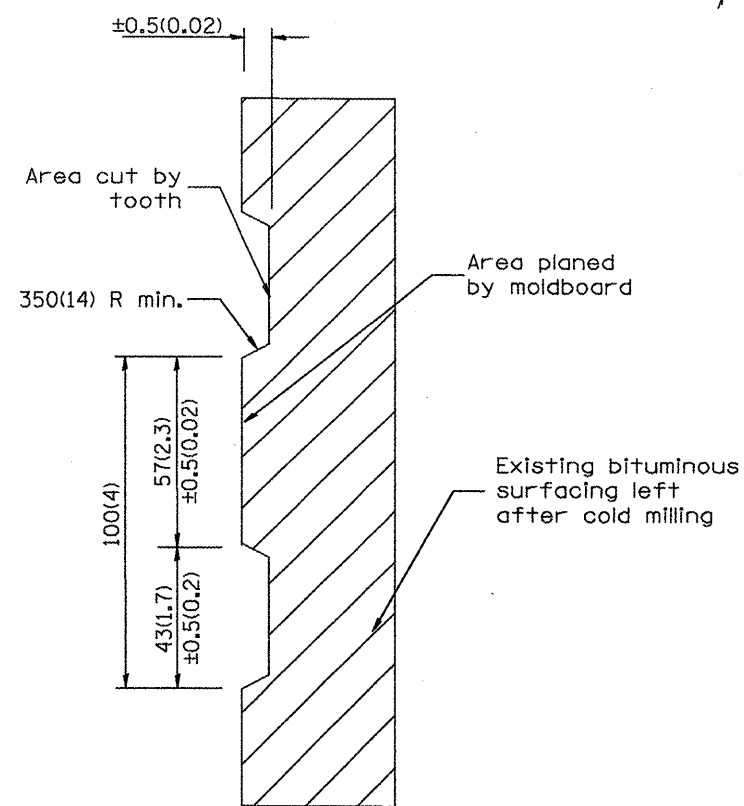
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



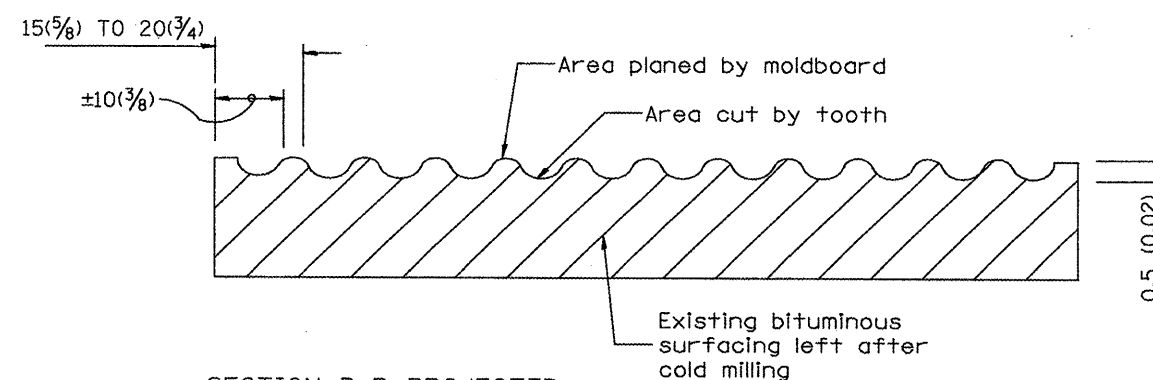
PLAN

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

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

DATE

DGN-ONLY

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

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.

BITUMINOUS SURFACE REMOVAL (COLD MILLING)

CADD STD NO. 440001-D4

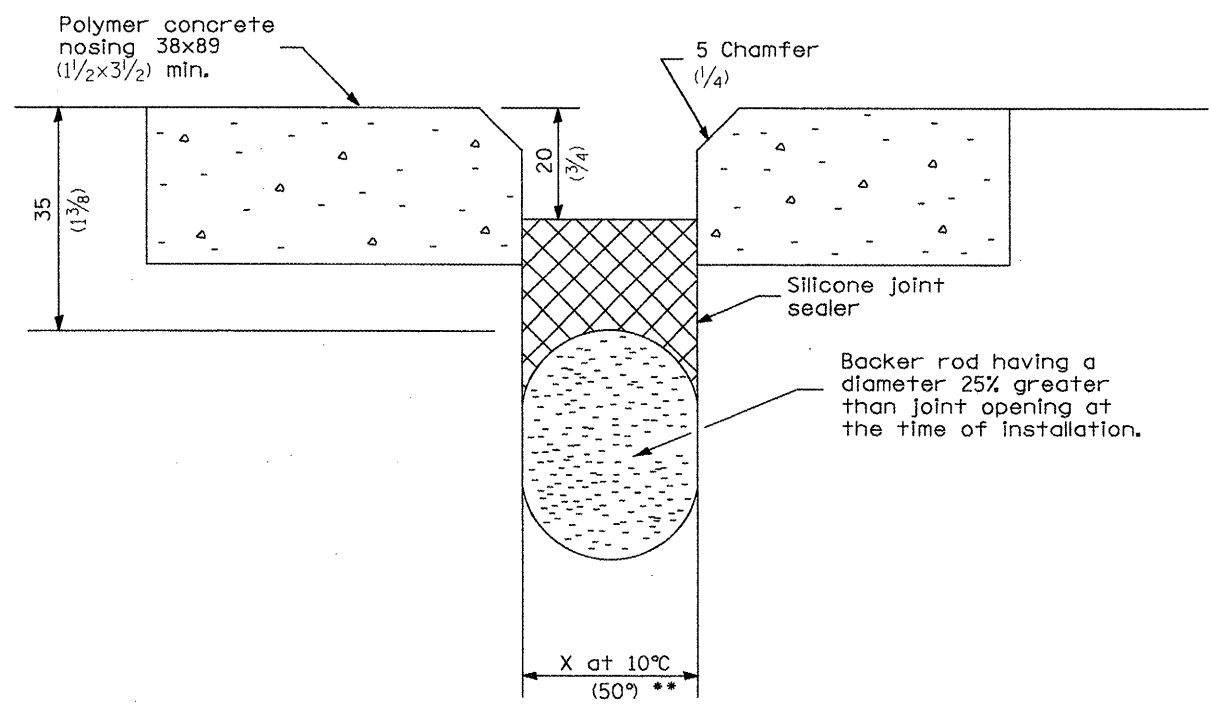
SCALE: NOT DRAWN TO SCALE

DATE **DATE** DRAWN BY CADD

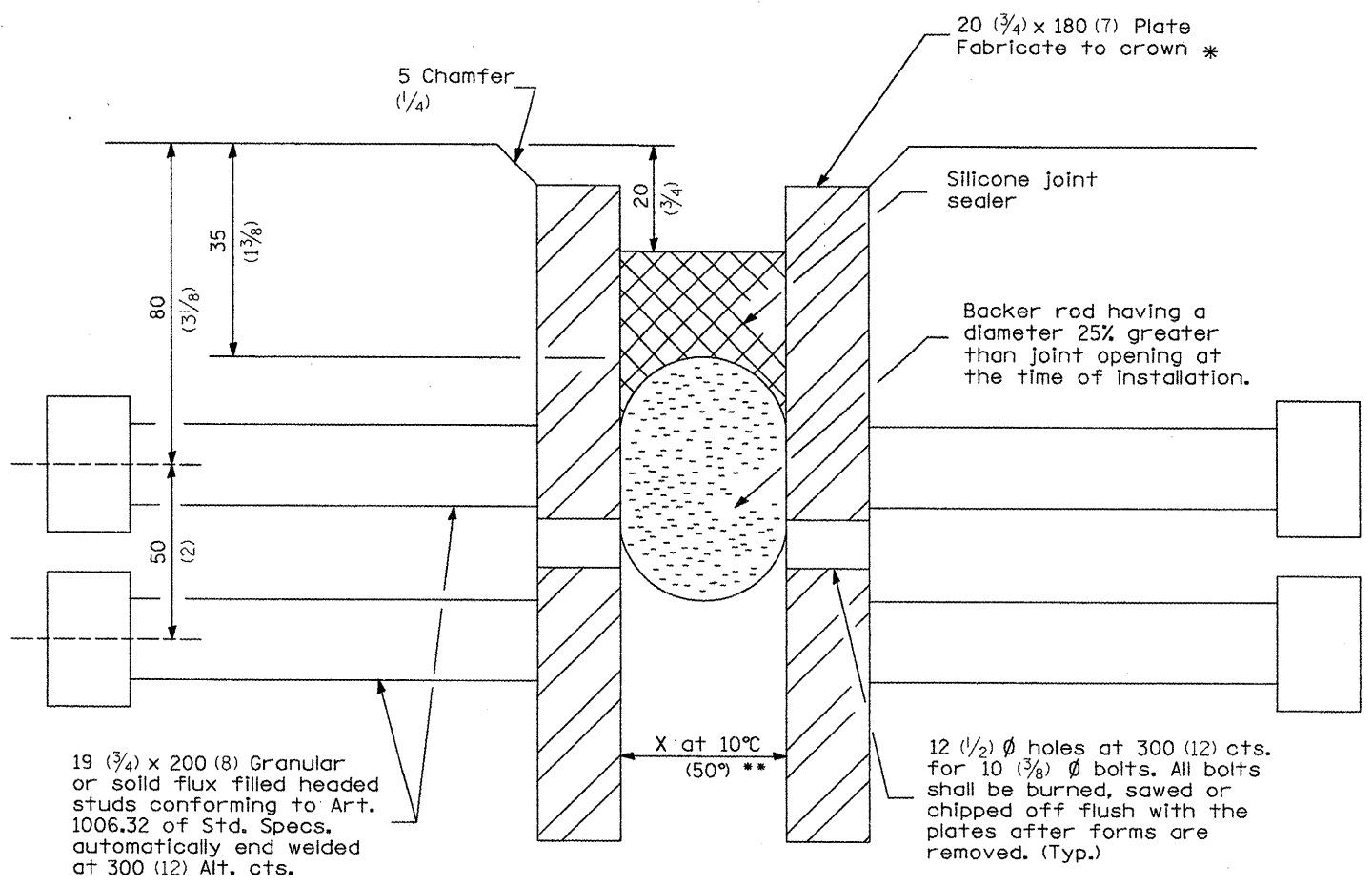
CHECKED BY

440001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (3TR-2)	TAZEWELL	449	258
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



**SILICONE JOINT SEAL
(CONCRETE DETAILS)**



**SILICONE JOINT SEAL
(STEEL DETAILS)**

- * Furnish in segments of 6 m (20 ft.) maximum length. Maximum space between installed segments shall be 5 (1/4). Seal space with Silicone Sealant suitable for Structural Steel.
- ** See Silicone Joint Seal Design Chart for Joint Opening (X).

Joint Opening at 10 °C (50 °F.)		Length Contributing to Expansion	
mm	Inch	meter	feet
25	1	0 - 12	0 - 40
38	1 1/2	12 - 24	40 - 80
51	2	24 - 37	80 - 120
64	2 1/2	37 - 49	120 - 160

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD
SILICONE JOINT SEAL
 CADD STD. NO. 503301-D4
 SCALE: NOT DRAWN TO SCALE
 DATE **DATE** DRAWN BY CADD CHECKED BY

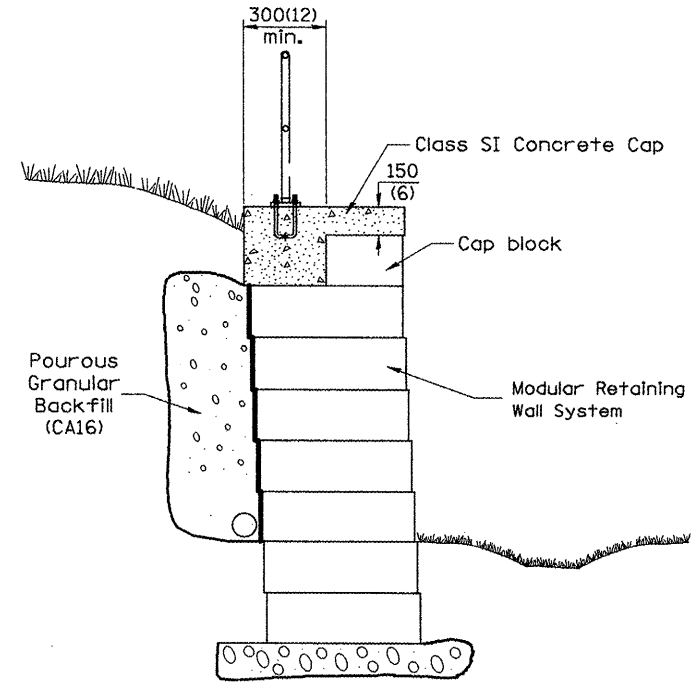
DATE	REVISIONS	BY
1-1-97	RENUM. H-6.02, NEW REVISION BOX	T.P.

1. Include Special Provision's for Silicone Bridge Joint Sealer and 'Polymer Concrete' (if using Concrete Detail).

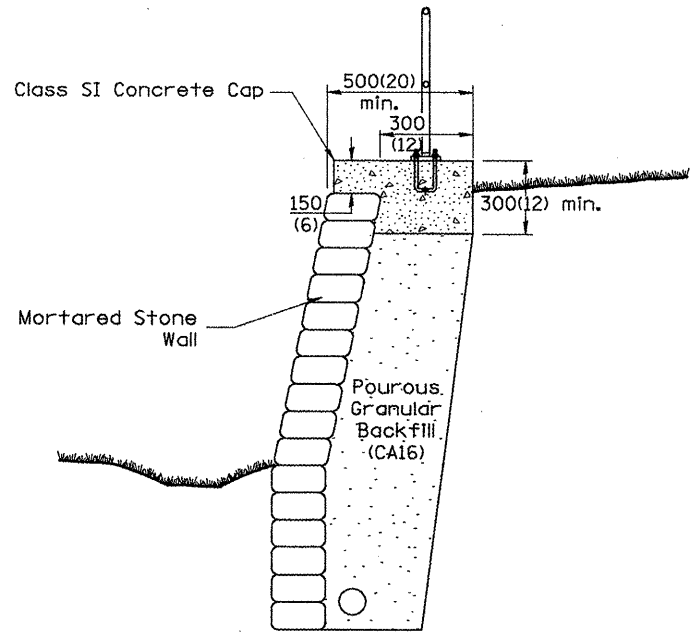
***DATE**

DGN-ONLY

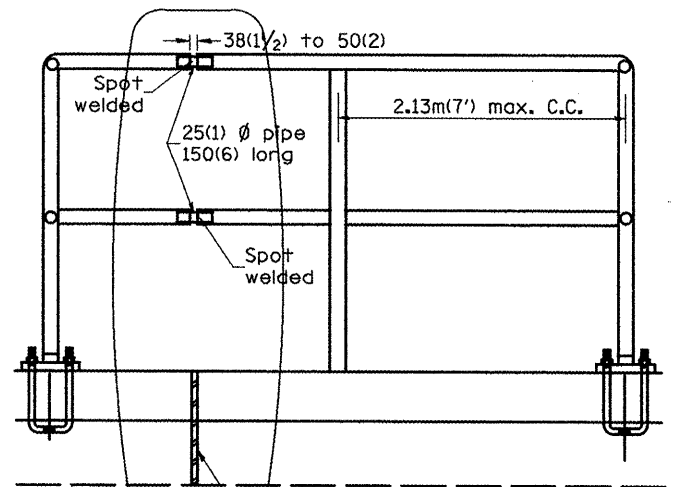
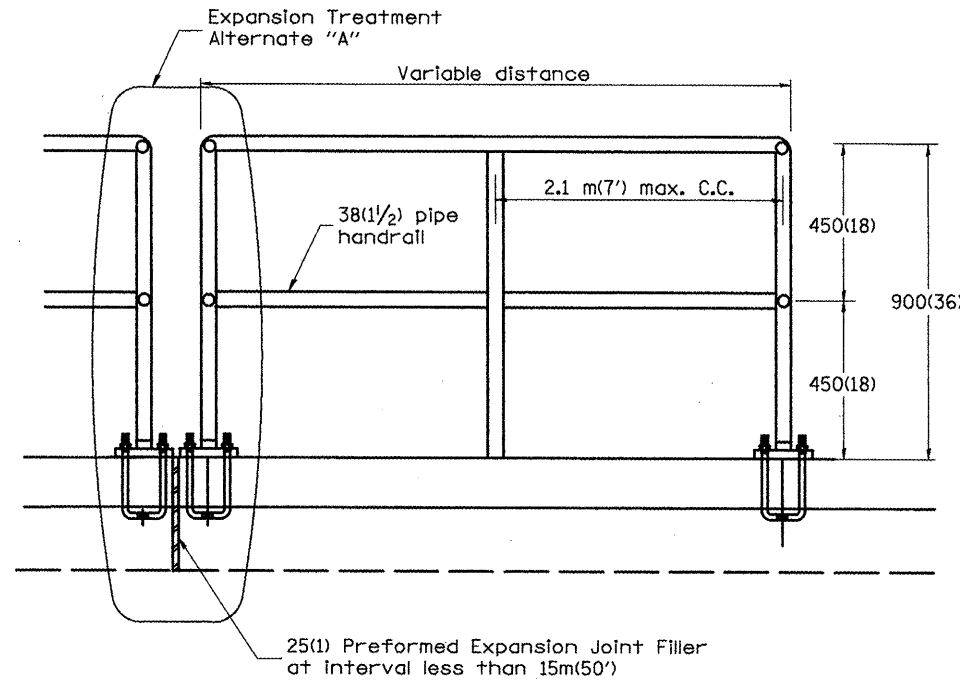
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	259
STA. TO STA.				
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



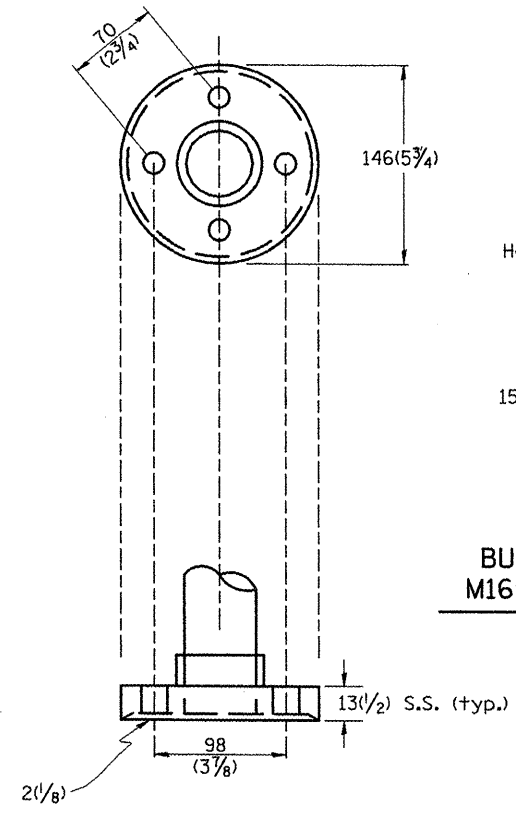
INSTALLATION AT MODULAR RETAINING WALL



INSTALLATION AT MORTARED STONE WALL



PIPE HANDRAIL



**BUILT-IN ANCHOR BOLT
M16(5/8) DIA., 300(12) LONG
(See Note No. 3)**

CAST IRON OR STRUCTURAL STEEL FITTING

GENERAL NOTES

- Article 510.03 of the Standard Specifications shall apply.
- Connection of railing to posts shall be made by continuous welding or with using standard pipe fitting.
- An equivalent epoxy anchor stud can be used in place of anchor shown. Anchor bolt holes shall be 125(5) deep x 20(3/4) Ø to be pre-drilled with an electric hammer drill to a depth of 25(1) prior to use of a pneumatic drill for the remaining 100(4). A two component encapsulated epoxy such as "Parabond" or an equivalent shall be used. Installation shall be according to Manufacturer's recommendations.
- The pipe handrail shall be galvanized by the hot dip process.
- It is Contractor's option to choose the expansion treatment "A" or "B". The spot welded area shall be painted to the satisfaction of the Engineer. This work shall be included in the contract unit price for Pipe Handrail.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION		
DISTRICT CADD STANDARD		
DETAIL OF PIPE HANDRAIL FOR MORTARED STONE WALL & MODULAR RETAINING WALL		
CADD STANDARD 510101-D4		
SCALE:	DRAWN BY CADD	
DATE **DATE**	CHECKED BY	

DATE	REVISIONS	BY
1-1-97	RENUM. B-11.02, METRICS, REVISED	T.P.
	TITLE, NEW REVISION BOX, REVISED	
	NOTES	

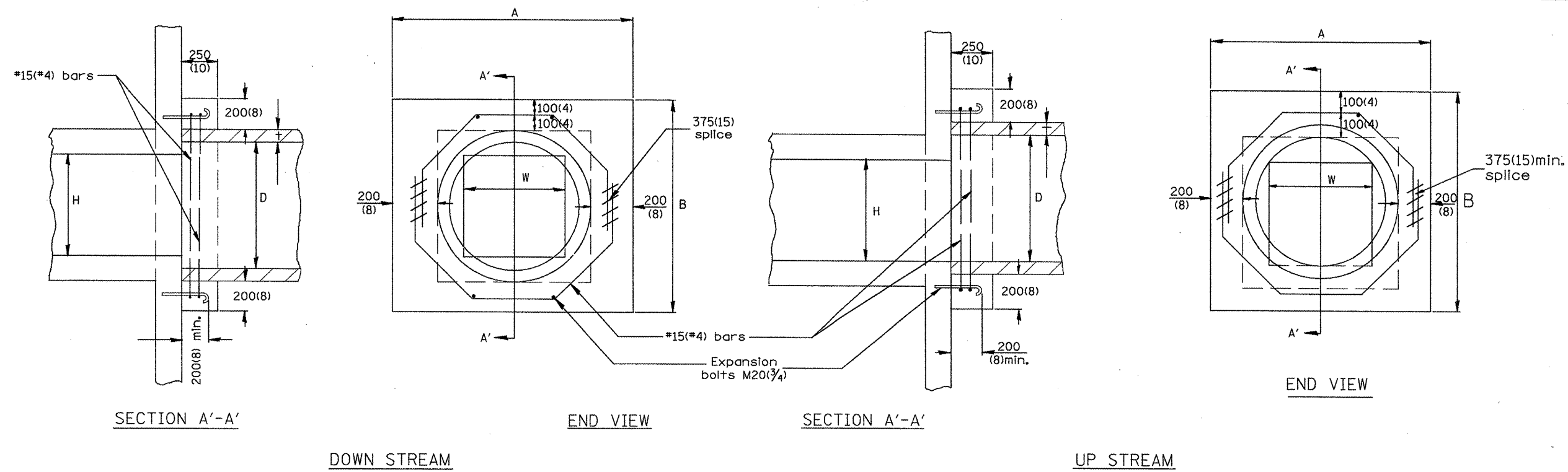
1. TO BE USED WITH CADD DRAWINGS: "MORTARED STONE WALL", AND/OR "MODULAR RETAINING WALL".
 2. INCLUDE DISTRICT SPECIAL PROVISION. THE UNIT PRICE FOR PIPE HANDRAIL INCLUDES THE CONCRETE CAP, EXPANSION DEVICES, ETC.

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

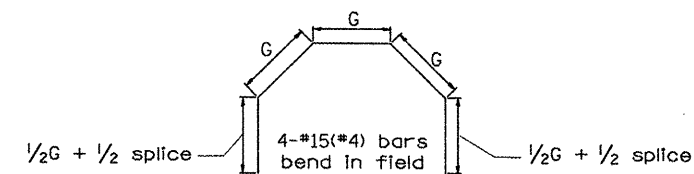
DGN-ONLY

510101-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1 (37R-2)	TAZEWELL	449	260
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



EXISTING BOX		A	B	D	f	EACH COLLAR				
W	H					CONC. COLLAR m³ (CU. YD.)	REINFORCEMENT BARS		EXPANSION BOLT EACH	
						G	L	RQ (LBS.)		
300(12)	PIPE	810 (32)	810 (32)	300 (12)	50(2)	0.14(0.18)	254 (10)	1.40m (4'-7")	9(12)	4
450(18)	PIPE	990 (39)	990 (39)	450 (18)	65(2 1/2)	0.18(0.24)	324 (12 3/4)	1.68m (5'-6")	11(15)	4
600(24)	PIPE	1.17m (3'-10")	1.17m (3'-10")	600 (24)	75(3)	0.23(0.30)	400 (15 3/4)	1.98m (6'-6")	12(17)	4
600(24)	600(24)	1.35m (4'-5")	1.35m (4'-5")	750 (30)	90(3 1/2)	0.28(0.37)	416 (18 3/4)	2.29m (7'-6")	14(20)	4
750(30)	750(30)	1.52m (5'-0")	1.52m (5'-0")	900 (36)	100(4)	0.34(0.45)	546 (21 1/2)	2.57m (8'-5")	16(22)	8
900(36)	900(36)	1.7m (5'-7")	1.7m (5'-7")	1050 (42)	115(4 1/2)	0.38(0.50)	622 (24 1/2)	2.87m (9'-5")	18(25)	10
1050(42)	1050(42)	1.88m (6'-2")	1.88m (6'-2")	1200 (48)	125(5)	0.47(0.61)	692 (27 1/4)	3.15m (10'-4")	20(28)	10
1200(48)	1200(48)	2.06m (6'-9")	2.06m (6'-9")	1350 (54)	140(5 1/2)	0.61(0.80)	768 (30 1/4)	3.45m (11'-4")	22(30)	10



GENERAL NOTES

- 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.
- Expansion Bolts shall consist of approved Expansion Anchors, and M20(3/4) Hook Bolts which conform to Section 1006.09. These Bolts shall extend at least 200(8) into the new Concrete.

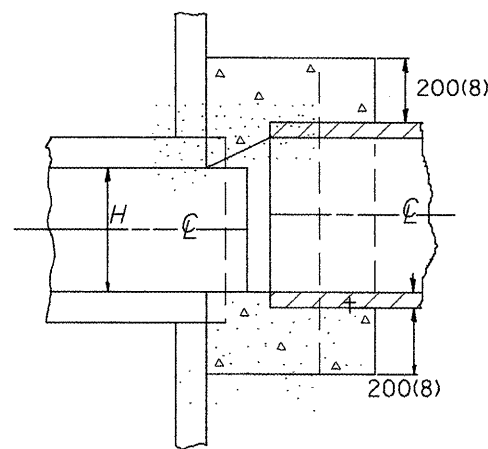
All dimensions are in millimeters (inches) unless otherwise noted.

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

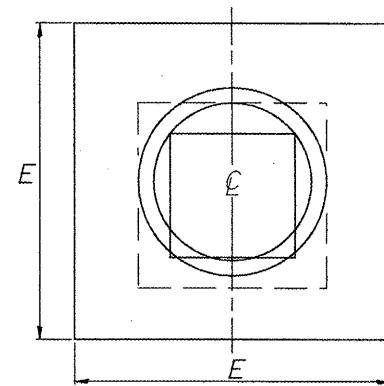
DATE	REVISIONS	BY
1-1-97	RENUM. J-11.02, NEW REVISION BOX, REVISED TITLE BOX, ADDED QUANTITY CALCULATION BOX.	T.P.

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
PIPE CULVERT EXTENSION COLLAR	
(WITH END SECTION)	
CADD STD. NO. 542001-D4	DRAWN BY CADD
SCALE: NOT DRAWN TO SCALE	CHECKED BY
DATE **DATE**	

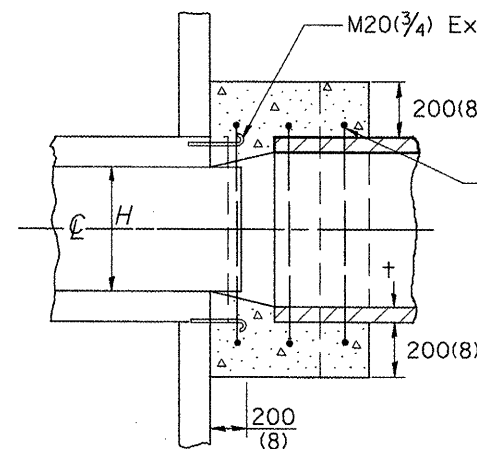
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	261
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	



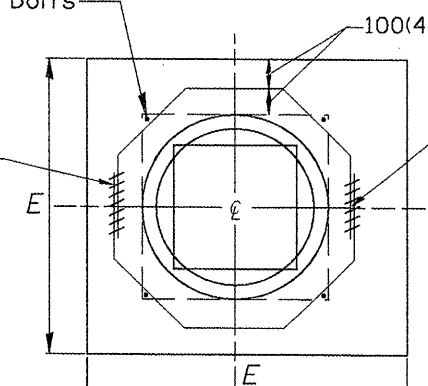
SECTION A-A



END VIEW



SECTION A-A



END VIEW

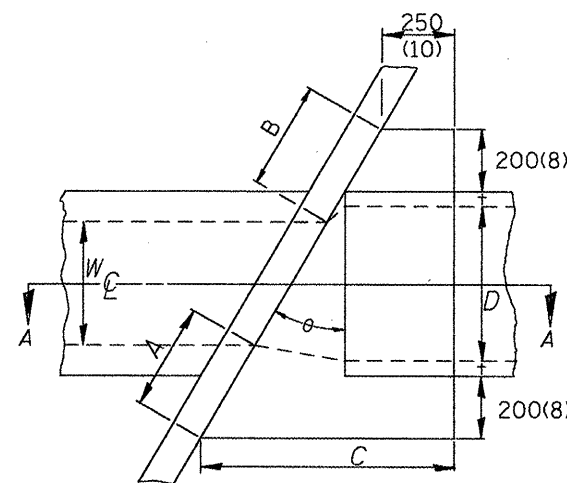
$$A = B = \frac{D - W}{2} + t + 200(8)$$

$$\cos \theta$$

$$C = \tan \theta [D + 2t + 410(16)] + 250(10)$$

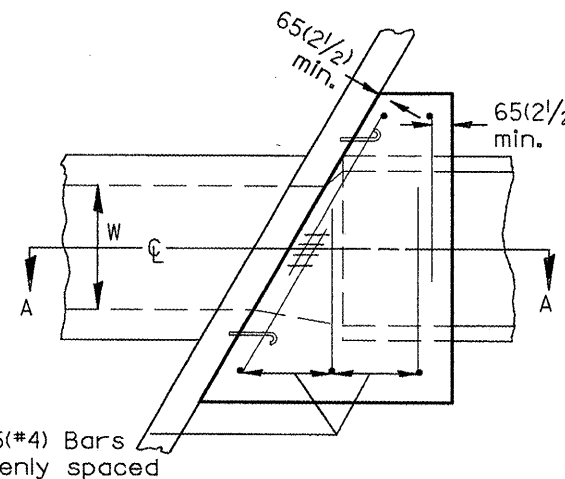
$$G = \frac{D + 2t + 200(8)}{2.4142 [\cos \theta]}$$

(Note: 'G' is based upon maximum skewed length)

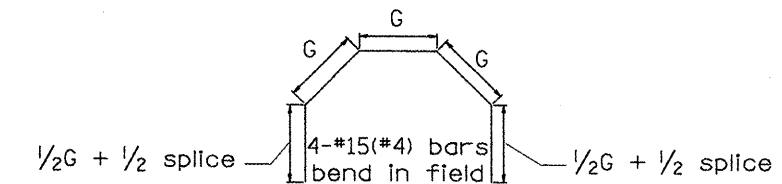


PLAN VIEW UP STREAM

NOTE:
Dimensions are shown in Plan View of Up Stream End while Reinforcement is shown in plan view of Down Stream End.



PLAN VIEW DOWN STREAM



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 M20(3/4) hook bolts which conform to section 1006.09. These bolts shall extend at least 200(8) into the new concrete.

EXISTING BOX		EACH COLLAR							CONCRETE		REINFORCEMENT BARS			EXPAN. BOLTS
W	H	θ	A	B	C	D	E	t	m ³ (CU. YD.)	G	L	KG(LBS.)	EACH	

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

DATE	REVISIONS	BY
1-1-97	RENUM. J-11.03, NEW REVISION BOX, REVISED TITLE BOX, ADDED QUANTITY CALCULATION BOX	T.P.

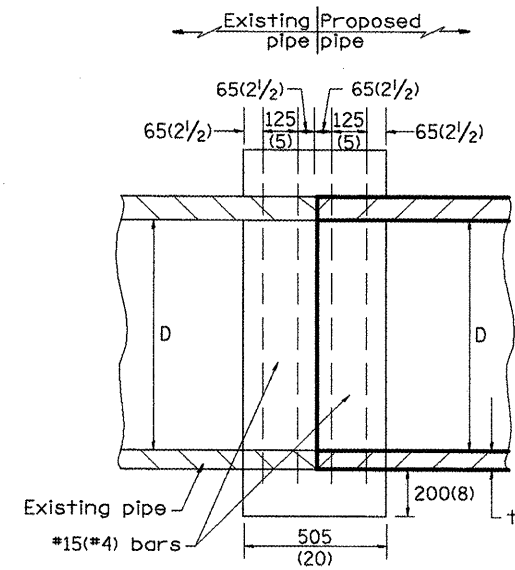
All dimensions are in millimeters (Inches) unless otherwise noted.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD
SKEWED PIPE CULVERT
EXTENSION COLLAR
(WITH END SECTION)

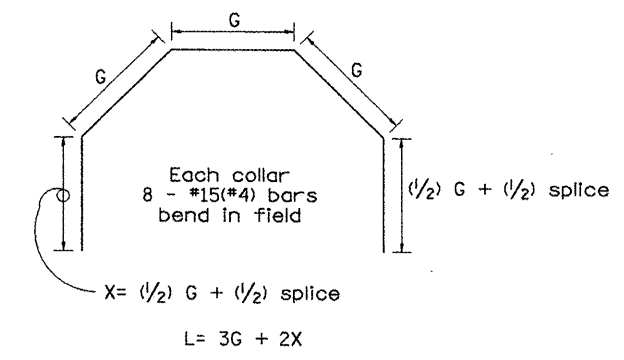
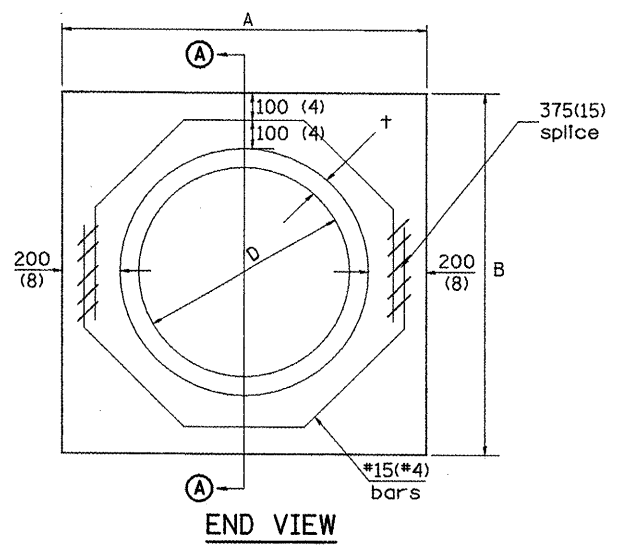
CADD STD. NO. 542011-D4
SCALE: NOT DRAWN TO SCALE
DATE **DATE**

DRAWN BY CADD
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	262
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



SECTION A - A



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

GENERAL NOTES

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

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

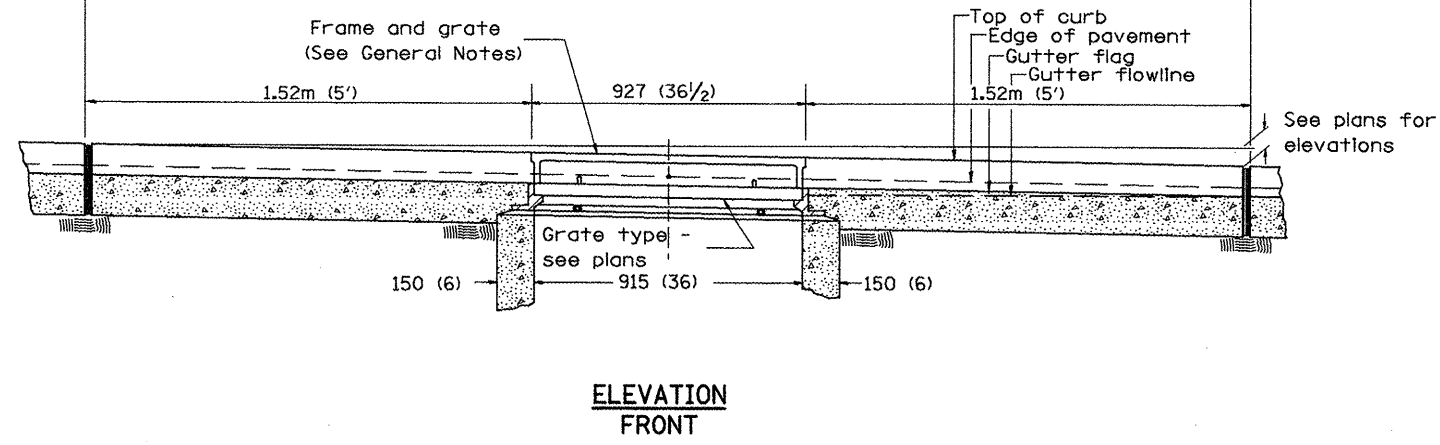
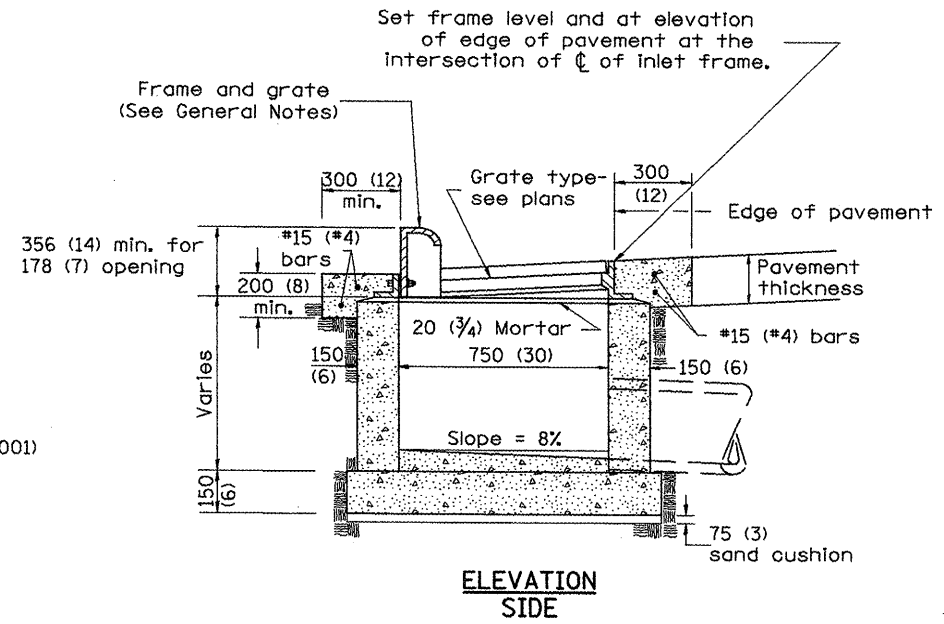
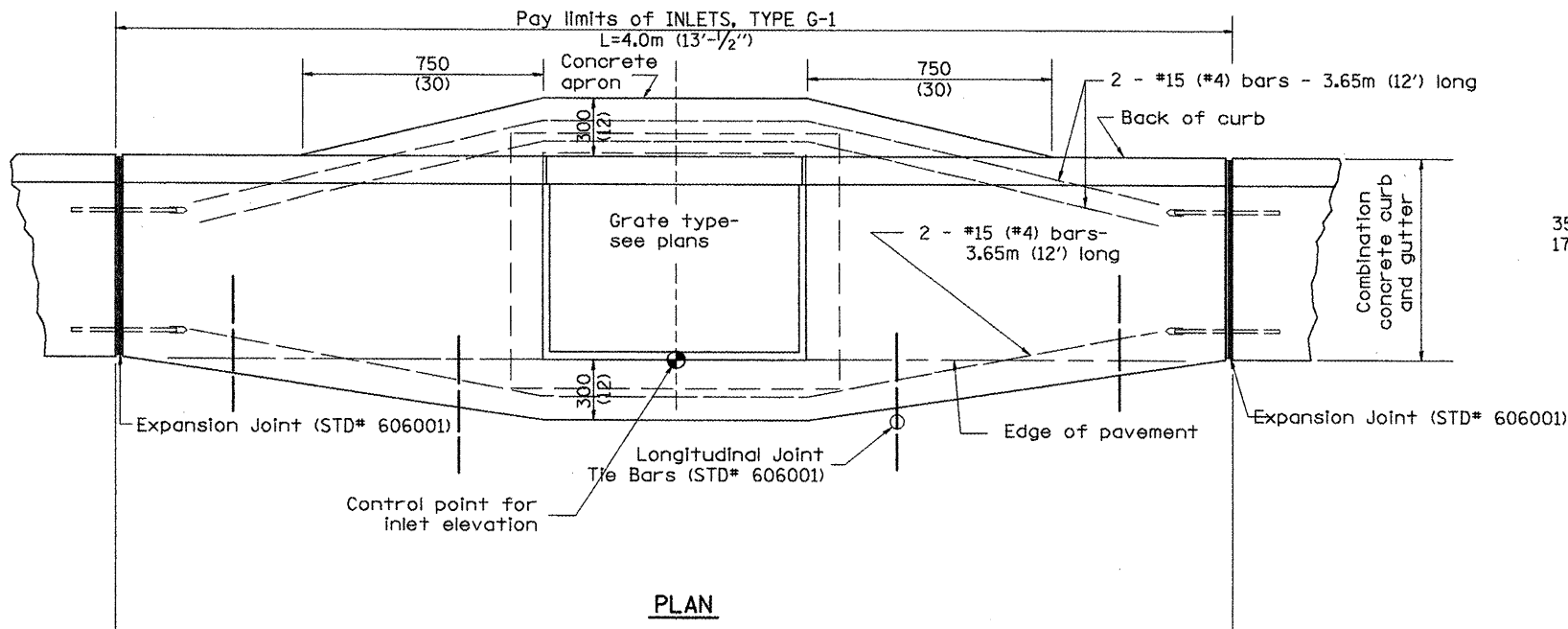
QUANTITIES		
CALC. BY:	R. J. D.	2-2-98
CHECKED BY:	R. D. H.	2-6-98
DATE:		
DATE:		

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD
**PIPE CULVERT
 EXTENSION COLLAR
 (WITHOUT END SECTION)**
CADD STANDARD 542016-D4
 SCALE: NOT DRAWN TO SCALE
 DATE: **DATE**
 DRAWN BY: CADD
 CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	263
STA.	TO STA.			
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

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

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

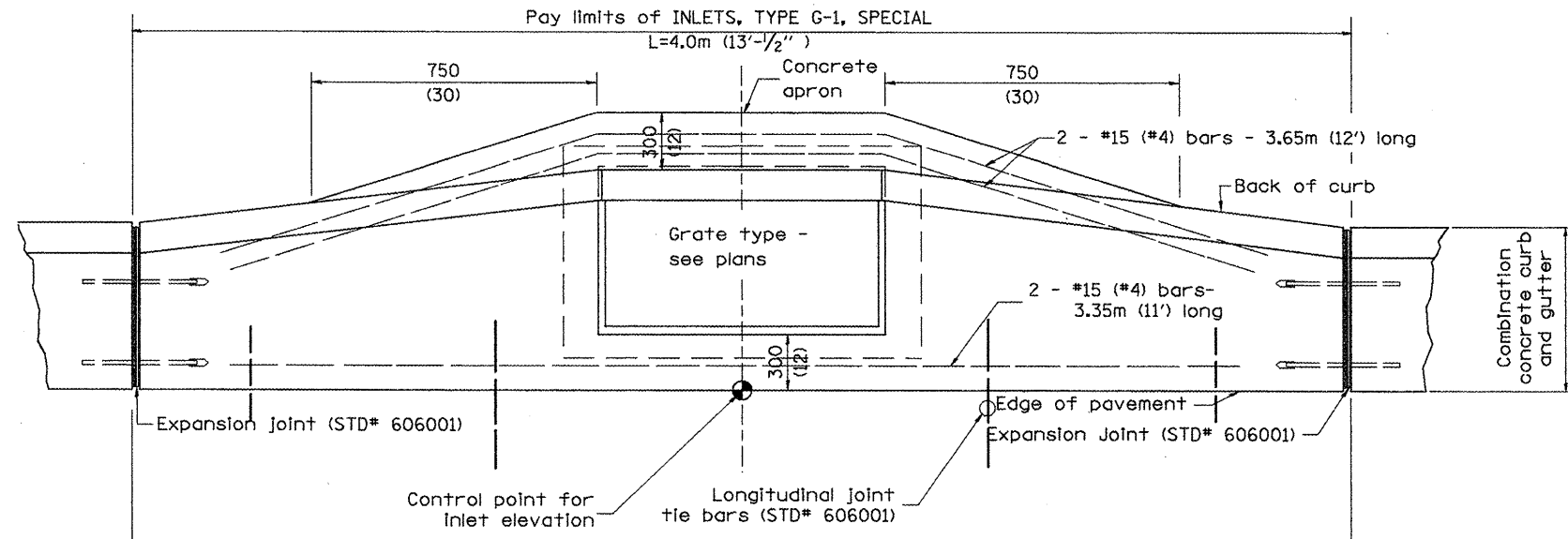
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

DATE	REVISIONS	BY
1-1-97	RENUM. B-4.01, NEW REVISION BOX	T.P.
10-99	REVISION TO GENERAL NOTES	J.A.
2-00	REVISION TO DESIGNER NOTES	J.A.

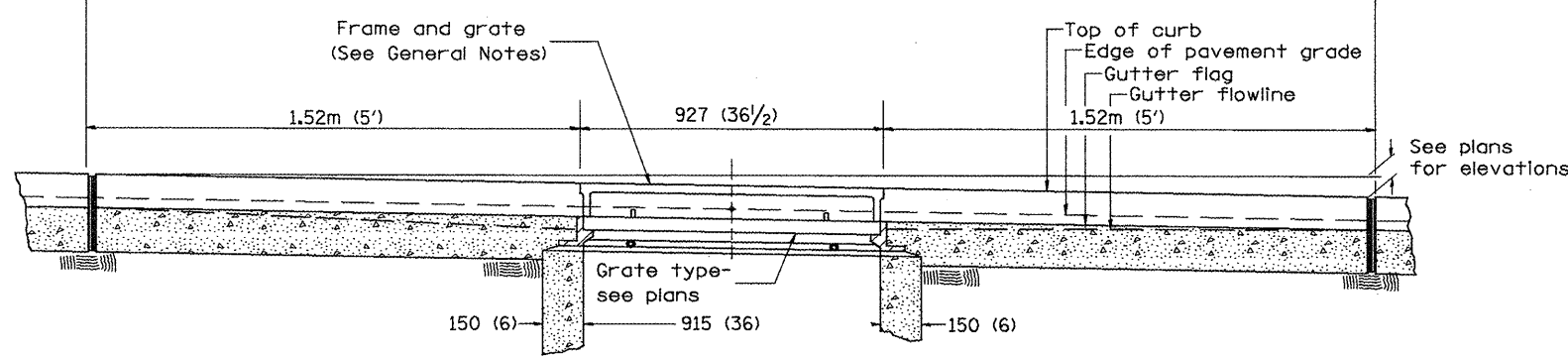
INLETS, TYPE G-1
CADD STD NO. 602001-D4
SCALE NOT TO SCALE
DATE ##DATE##
DRAWN BY CADD
CHECKED BY

1. Include State Standard 606001 for combination concrete curb and gutter details.
 2. Include State Standard 420001 for pavement joints.
 3. Include District CADD Standard for frame and grates and specify grate type in plans.
 4. Include District CADD Special Provision. Pay Item includes transitional c.c. & g., inlet and frame and grate. All work within pay limits.
 5. The designer should include pavement removal quantities when the apron requires pavement removal.
 \$\$\$DATE\$\$

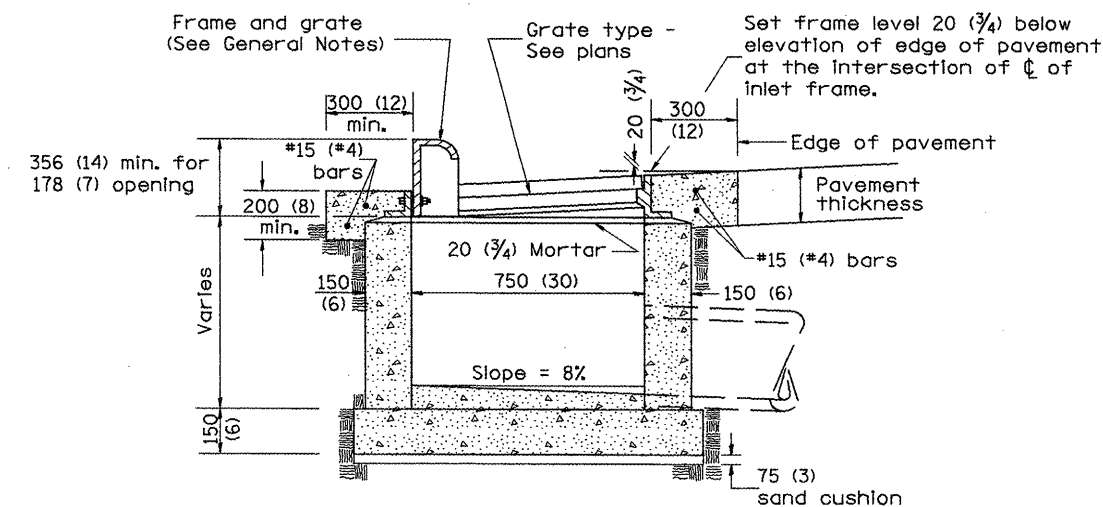
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZWELL	449	264
STA.	TO STA.			
FED. ROAD DIST. NO. 4	ILLINOIS	FED. AID PROJECT		



PLAN



ELEVATION (FRONT)



ELEVATION (SIDE)

GENERAL NOTES

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

INLETS, TYPE G-1, SPECIAL

CADD STANDARD 602006-D4
 SCALE NOT TO SCALE
 DATE **DATE**

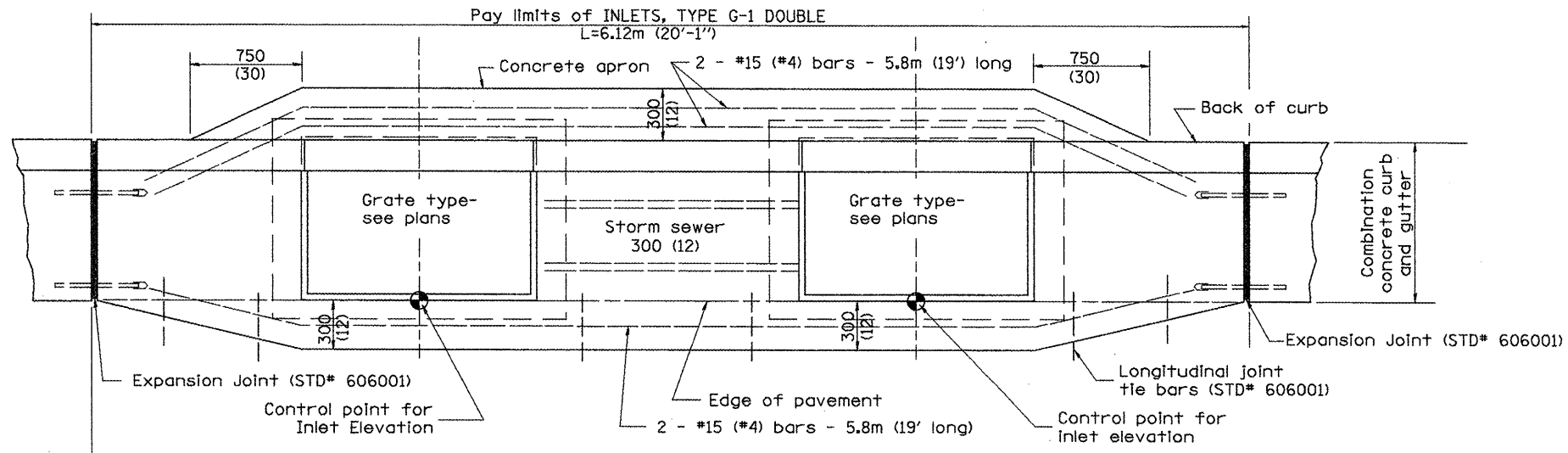
DRAWN BY CADD
 CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. B-4.02, NEW REVISION BOX	
12-1-98	CORRECT E. O. P. NOTE	J.A.
10-99	REVISION TO GENERAL NOTES	J.A.

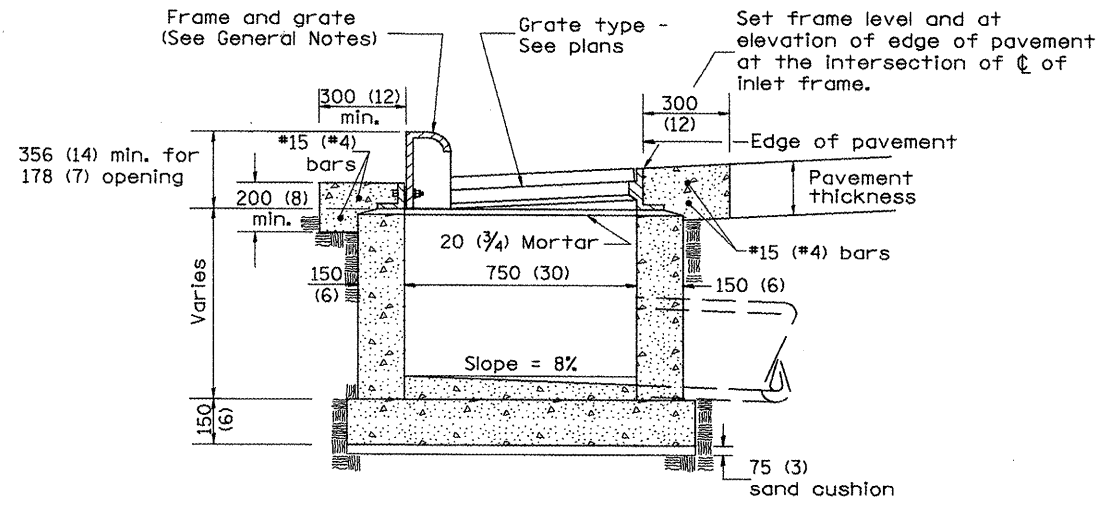
1. Include State Standard 420001 for pavement joints.
 2. Include District CADD Standard for frame and grates.
 3. Include District CADD Standard for frame and grates.
 4. Include District Special Provision. Pay item includes transitional c.c.c. & g., inlet and frame and grate. All work within pay limits.
 5. Specify grate type in plans.

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

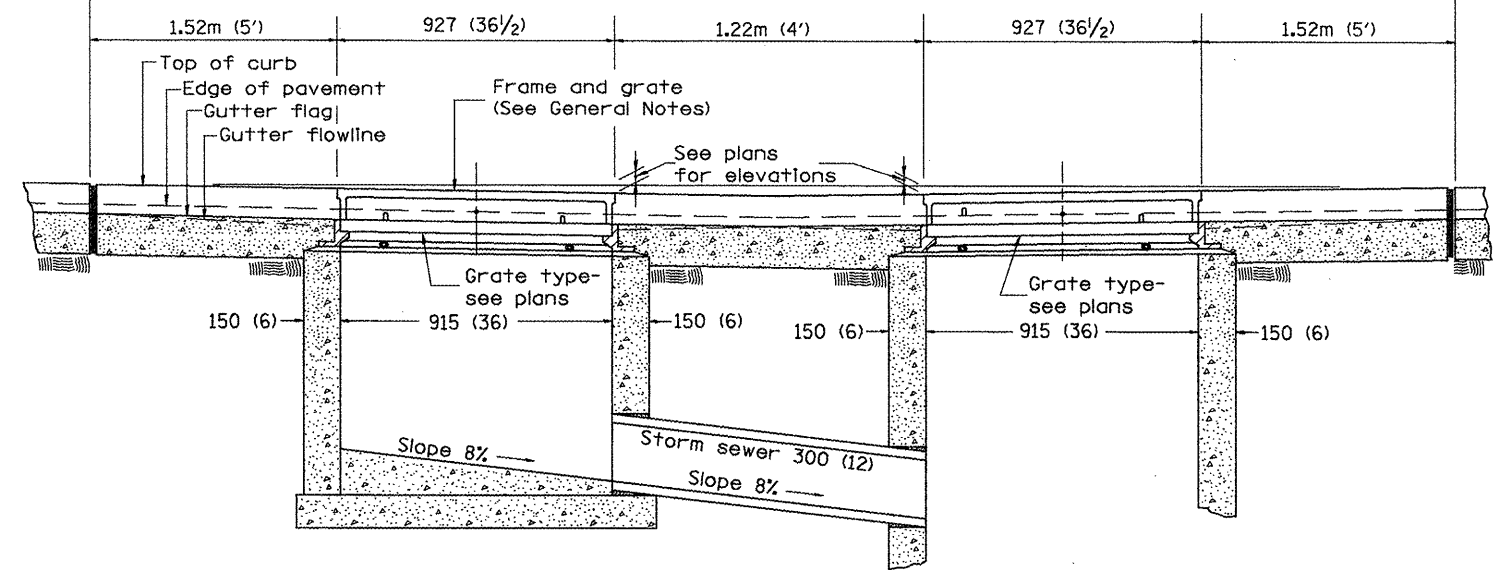
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	265
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



PLAN



ELEVATION (SIDE)



FRONT ELEVATION

GENERAL NOTES

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

DATE	REVISIONS	BY
1-1-97	RENUM. B-4.03, NEW REVISION BOX	J.P.
4-1-97	CORRECT PAVT SLOPE	J.A.
10-99	REVISION TO GENERAL NOTES	J.A.
2-00	REVISION TO DESIGNER NOTES	J.A.

INLETS, TYPE G-1 DOUBLE
CADD STANDARD 602011-D4
SCALE NOT TO SCALE
DATE **DATE**
DRAWN BY CADD
CHECKED BY

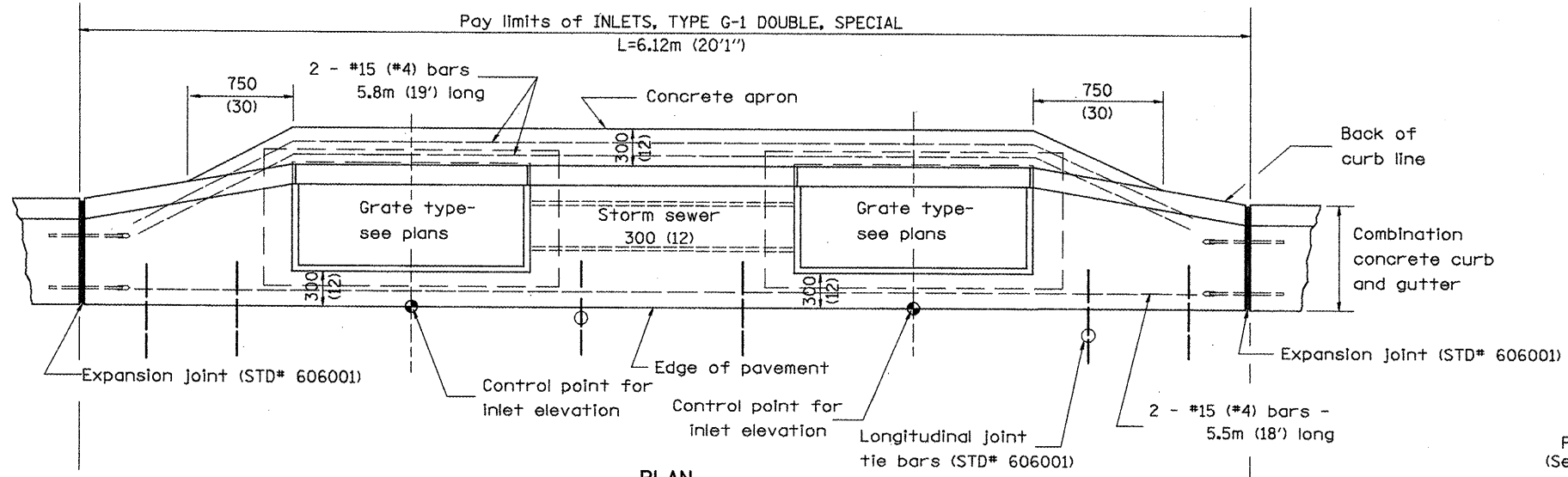
602011-D4

1. Include State Standard 606001 for combination concrete curb and gutter details.
 2. Include State Standard 420001 for pavement joints.
 3. Include District CADD Standard for frame and grates and specify grate type in plans.
 4. Include District Special Provision. Pay Item includes transitional c.c. & g., inlet and frame and grate. All work within pay limits.
 5. The designer should include pavement removal quantities when the apron requires pavement removal.

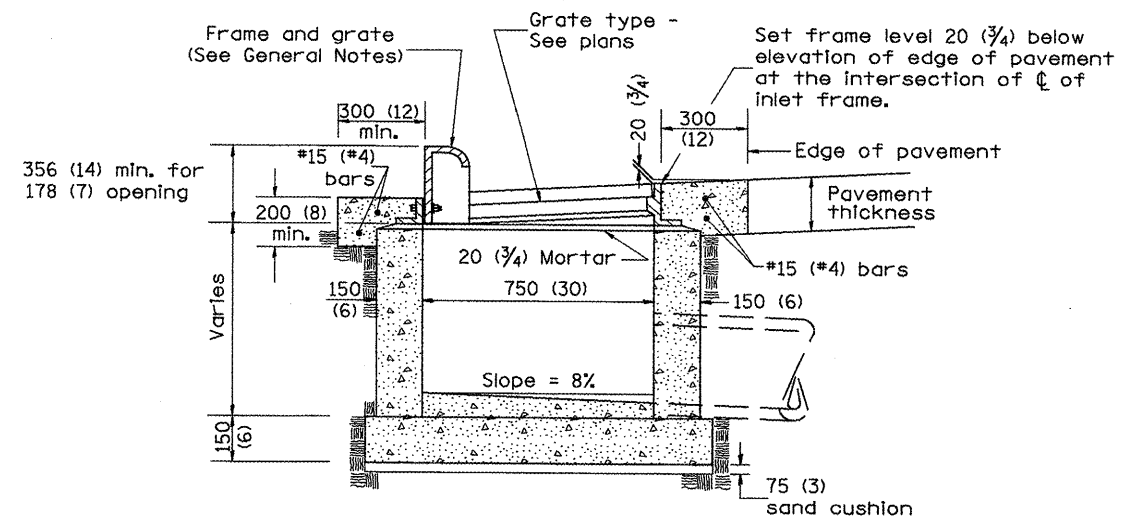
DESIGNER NOTES: 1.
2.
3.
4.
5.

DGN-ONLY

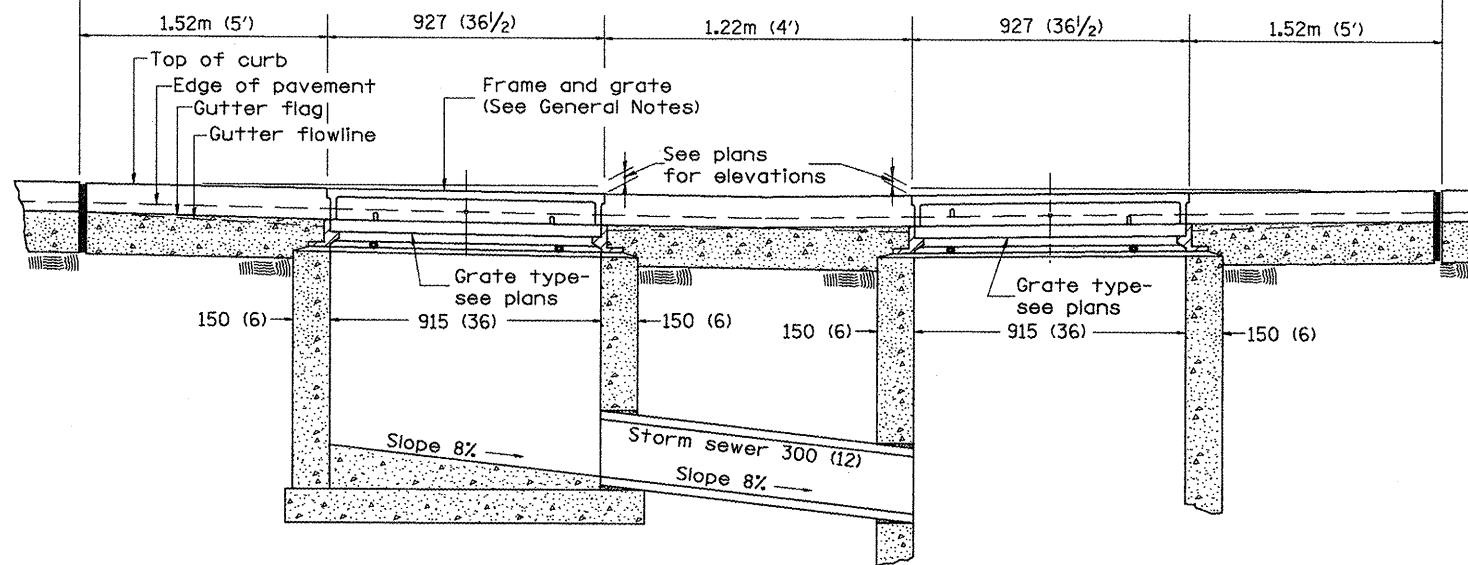
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	266
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



PLAN



ELEVATION (SIDE)



FRONT ELEVATION

GENERAL NOTES

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

INLETS, TYPE G-1 DOUBLE, SPECIAL

CADD STANDARD 602016-D4

SCALE NOT TO SCALE
DATE **DATE**

DRAWN BY CADD
CHECKED BY

DATE	BY
1-1-97	RENUM. B-4.04, NEW REVISION BOX T.P.
4-1-97	CORRECT DIMENSIONS J.A.
10-99	REVISION TO GENERAL NOTES J.A.

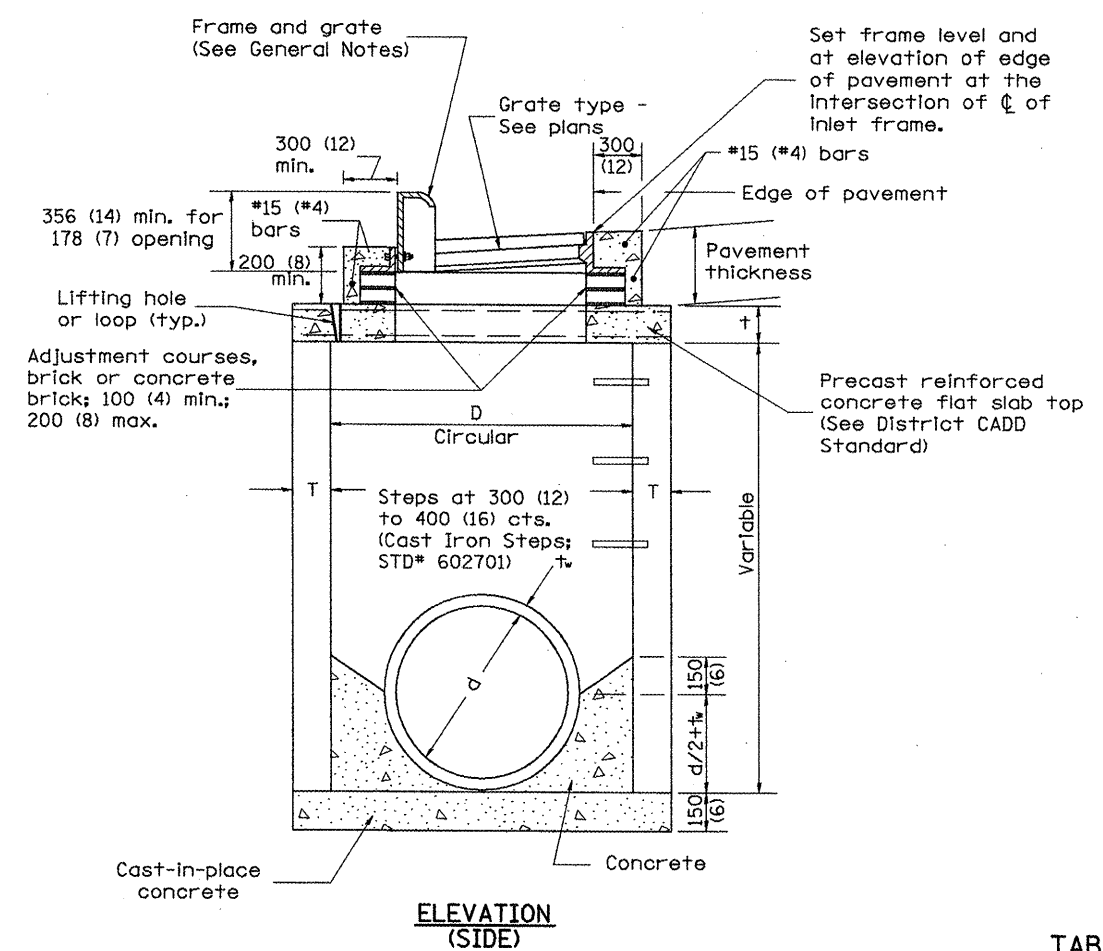
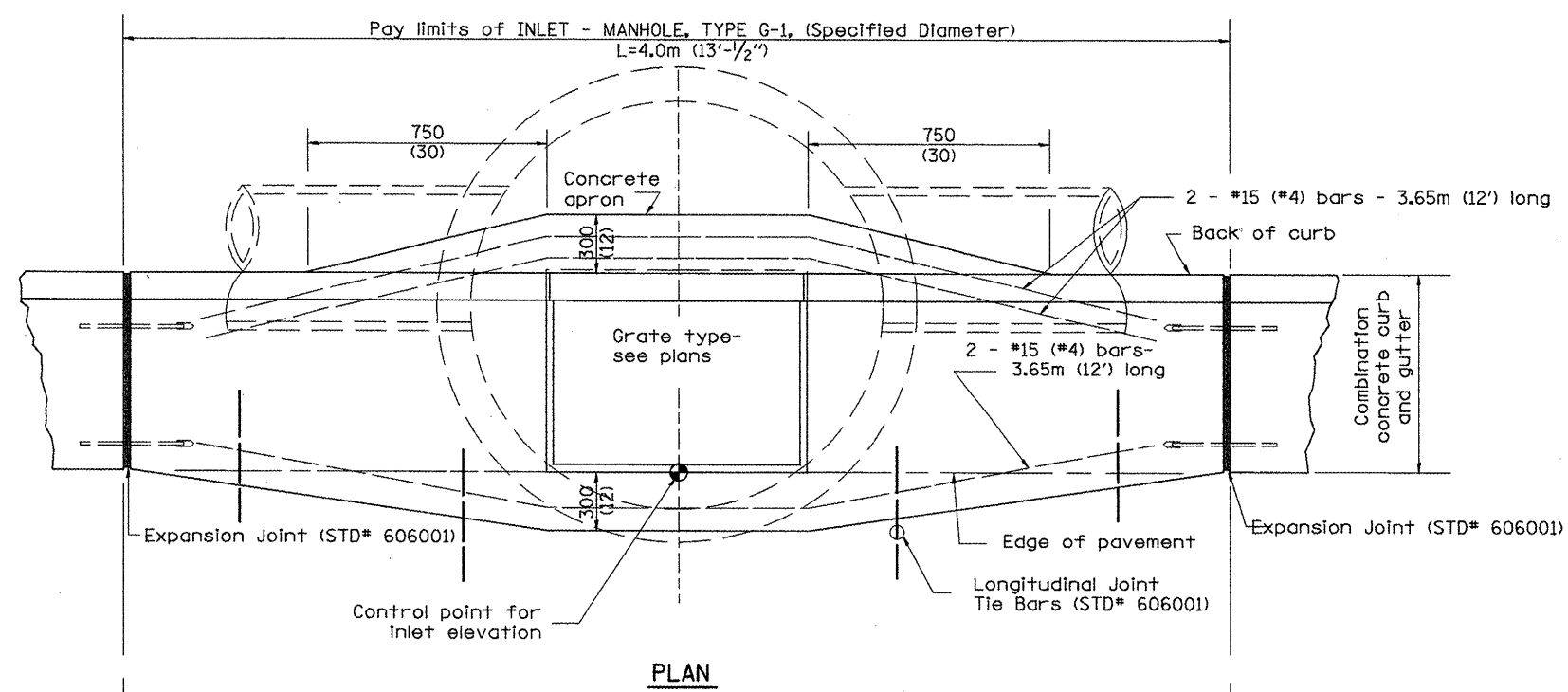
602016-D4

1. Include State Standard 606001 for combination concrete curb and gutter details.
 2. Include State Standard 420001 for pavement joints.
 3. Include District CADD Standard for frame and grates.
 4. Include District Special Provision. Pay item includes transitional c.c.c. & g., inlet and frame and grate. All work within pay limits.
 5. Specify grate type in plans.

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

DCN-ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	267
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	

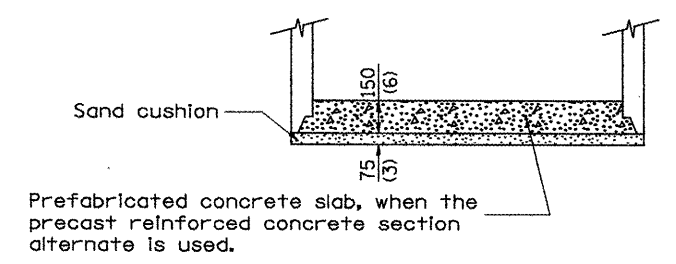
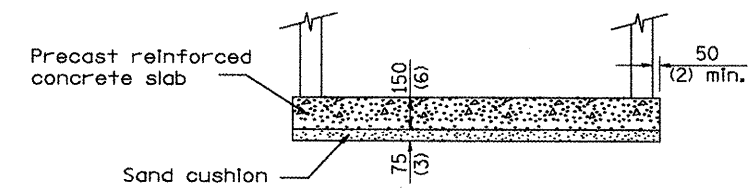
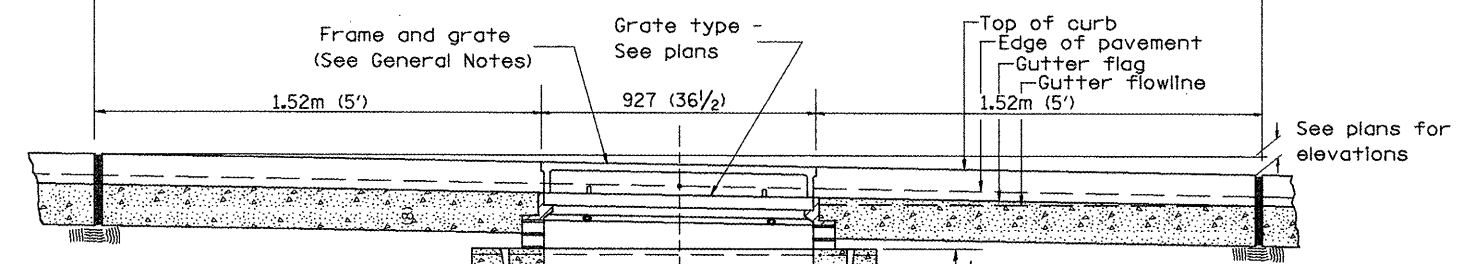


TABLE

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

GENERAL NOTES

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



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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

INLET-MANHOLE, TYPE G-1

CADD STANDARD 602021-D4
SCALE NOT TO SCALE
DATE ##DATE##

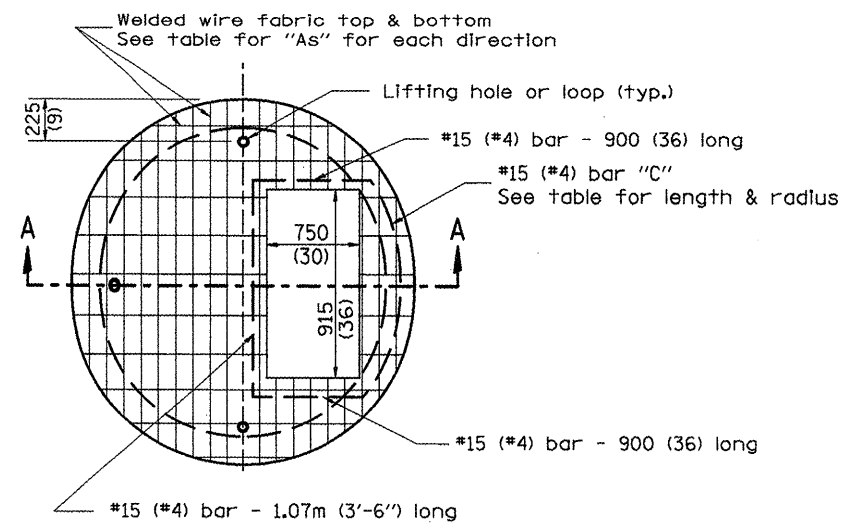
DRAWN BY CADD
CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. B-4.05, NEW REVISION BOX	J.A.
10-99	REVISION TO GENERAL NOTES	J.A.
2-00	REVISION TO DESIGNER NOTES	J.A.

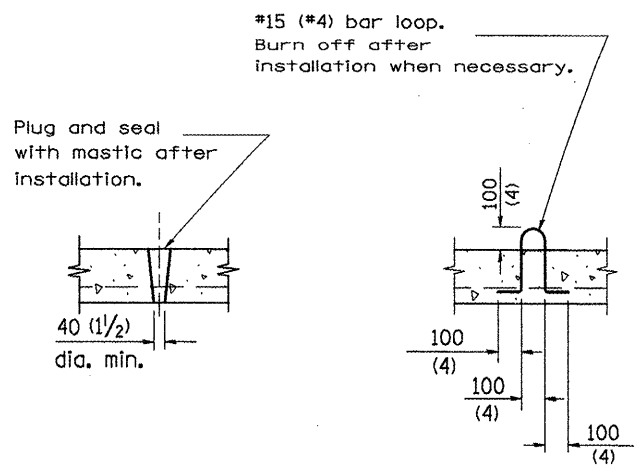
3. Include State STD# 602701 for cast iron steps.
 4. Include District CADD Standard for frame and grates and specify grate type in plans.
 5. Include District CADD Standard for precast reinforced concrete flat slab top.
 6. Include District Special Provision. Pay item includes inlet - manhole, flat slab top, transitional c.c.&g. and frame and grate. All work within pay limits.
 7. Specify diameter of inlet - manhole in plans.
 8. The designer should include pavement removal quantities when the apron requires pavement removal.

##DATE##

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	269
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				

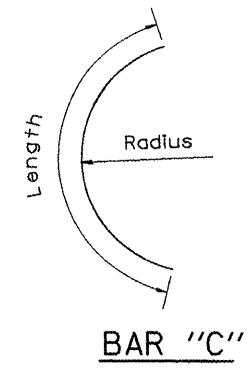


PLAN



LIFTING HOLE OR LIFTING LOOP
TYPICAL

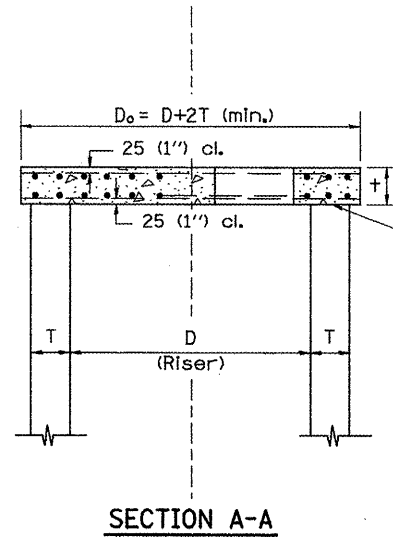
(3 required per slab)



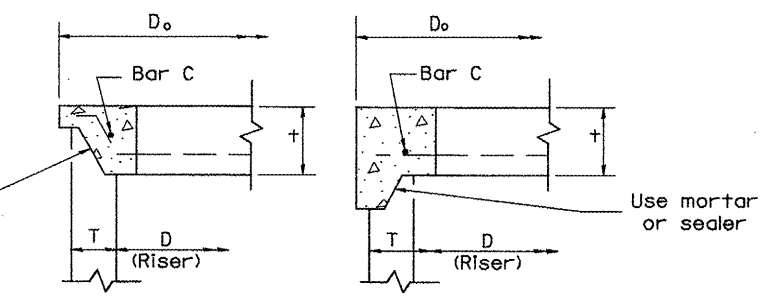
BAR "C"

TABLE

D	T	D _o (min.)	t	Reinforcement "As" W.W.F. each direction	Bar size	No. 15 (No. 4) Bar C	
						Length	Radius
1.2m (4')	125 (5)	1.5m (4'-10")	150 (6)	1480mm ² / _m (0.70 sq. inch/lin. ft.)	No. 15 (No. 5)	1.35m (4'-6")	660 (26)
1.5m (5')	150 (6)	1.8m (6'-0")	200 (8)	1480mm ² / _m (0.70 sq. inch/lin. ft.)	No. 15 (No. 5)	1.5m (5'-0")	810 (32)
1.8m (6')	195 (7 3/4)	2.2m (7'-3 1/2")	200 (8)	1860mm ² / _m (0.88 sq. inch/lin. ft.)	No. 20 (No. 6)	1.8m (6'-0")	965 (38)
2.4m (8')	225 (9)	2.9m (9'-6")	250 (10)	1860mm ² / _m (0.88 sq. inch/lin. ft.)	No. 20 (No. 6)	2.3m (7'-6")	1,27m (4'-2")



SECTION A-A



ALTERNATE JOINT CONFIGURATIONS

GENERAL NOTES

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

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

CADD STANDARD 602101-D4
SCALE NOT TO SCALE
DATE **DATE**

DRAWN BY CADD
CHECKED BY

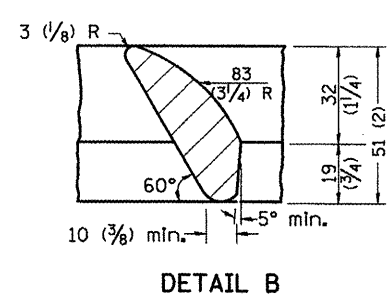
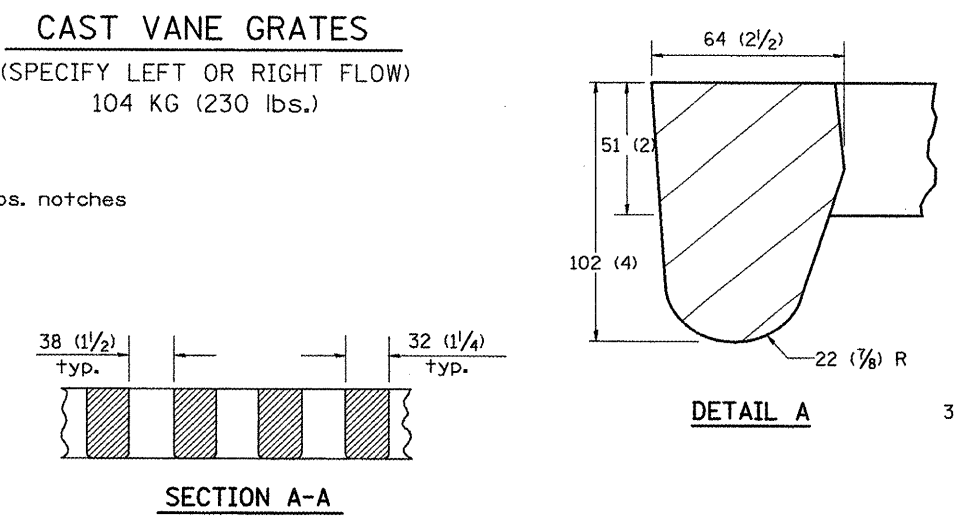
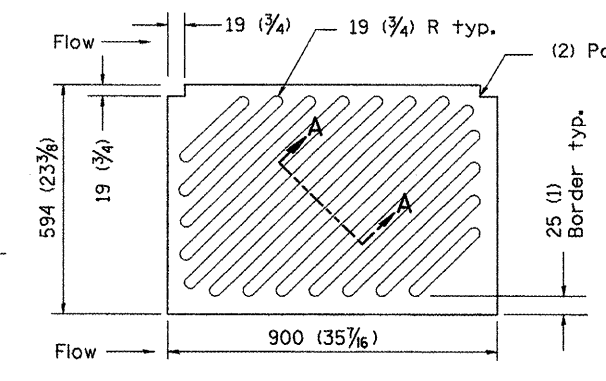
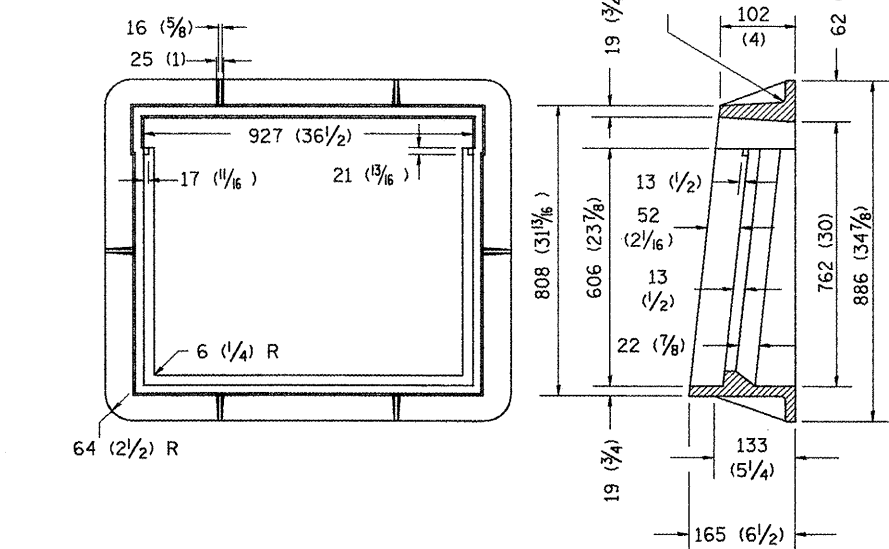
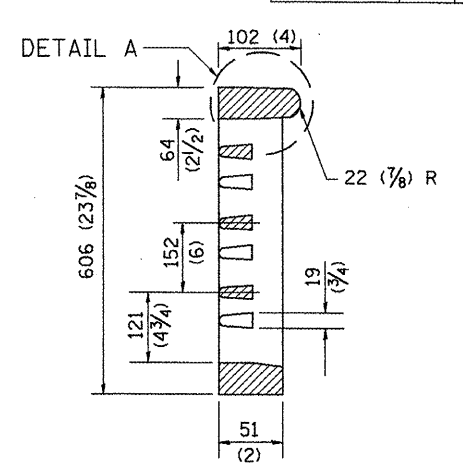
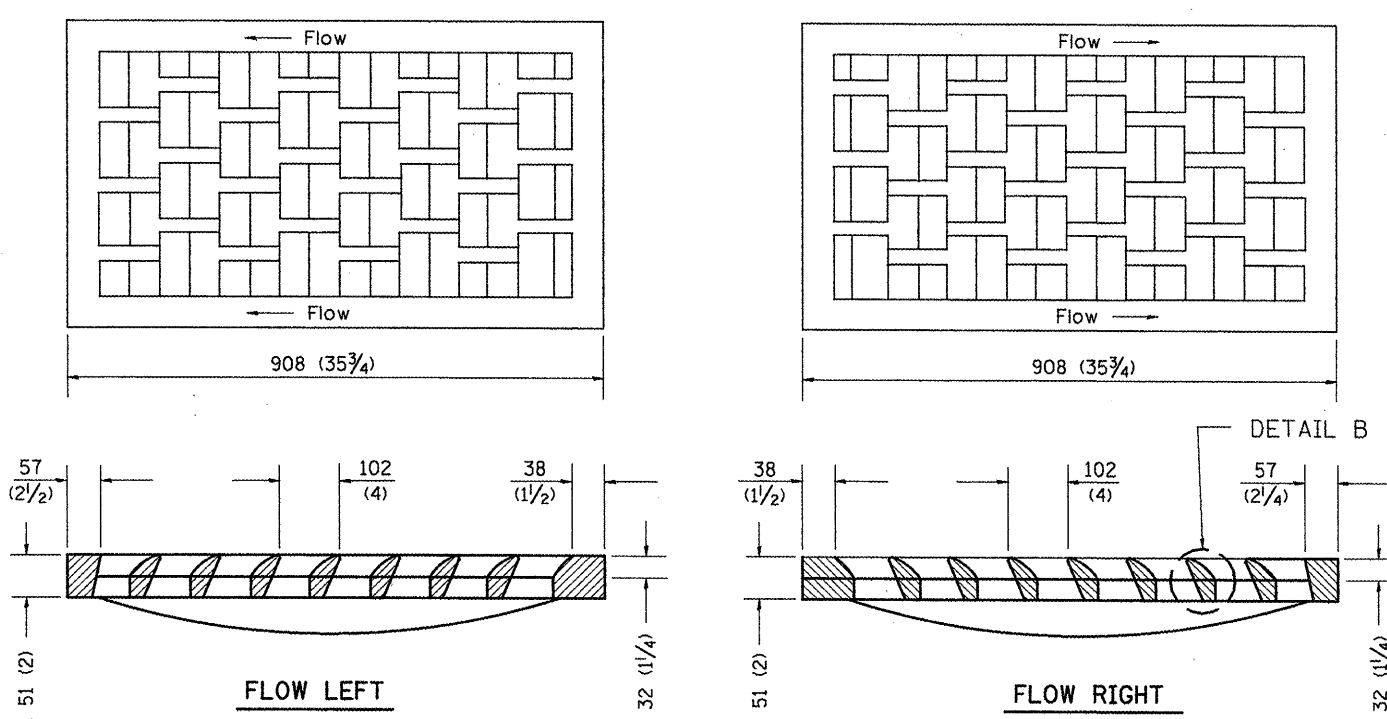
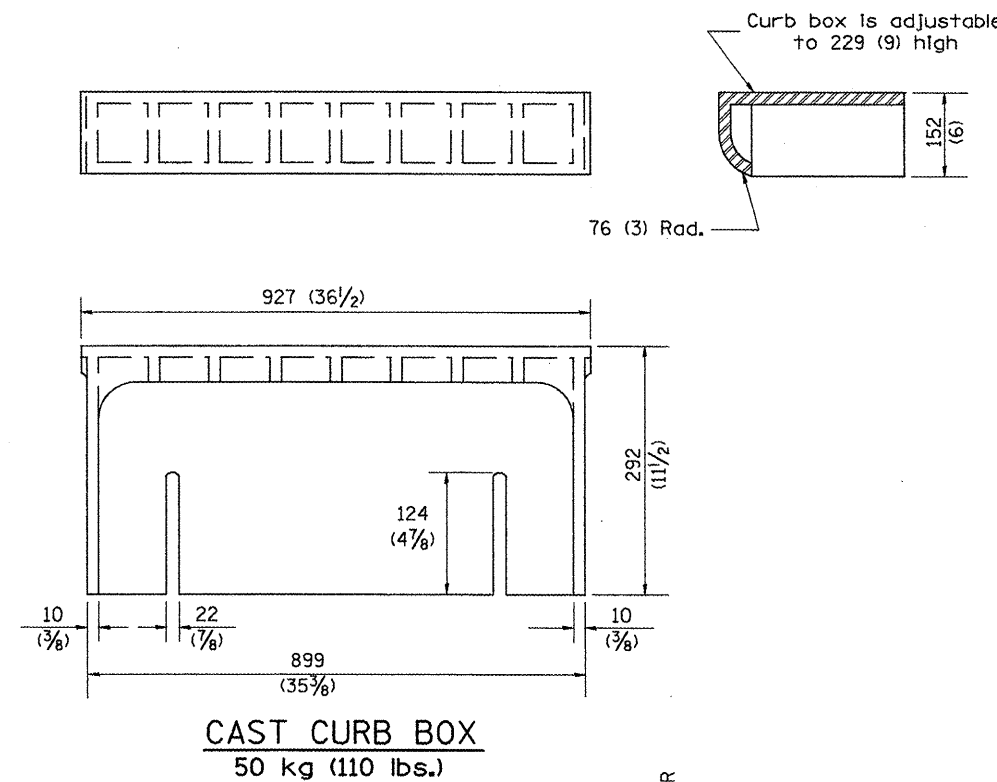
DATE	REVISIONS	BY
1-1-97	RENUM. B-4.07, NEW REVISION BOX	T.P.

DESIGNER NOTES:
1. Include this standard with Type G-1 and Type G-1, Special Inlet-Manholes.
2. The flat slab top is included in the cost of INLET-MANHOLES as per District Special Provision.

DATE

DGN-ONLY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	270
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



NOTE: Flow right shown

5 (3/8) R typ.

2° Draft angle

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

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

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

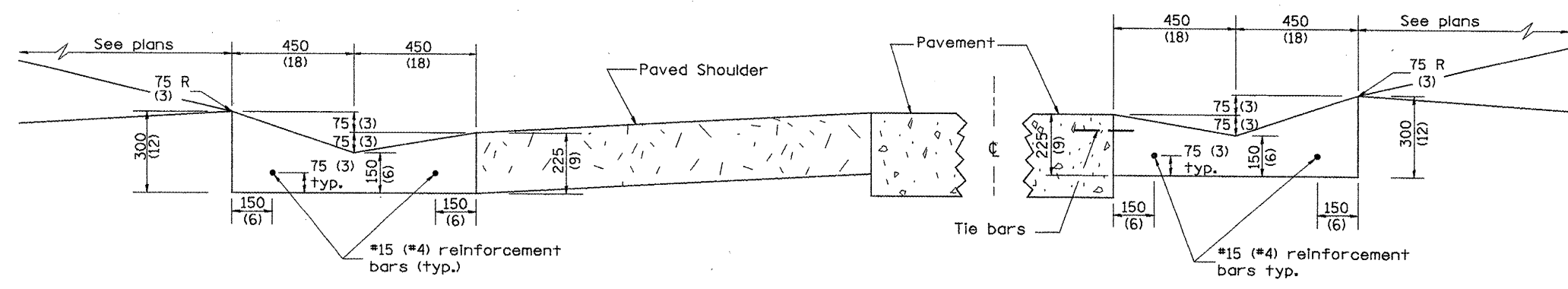
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD
FRAME AND GRATES FOR
TYPE G-1 AND TYPE G-1, SPECIAL
DRAINAGE STRUCTURES
CADD STANDARD 604001-D4
SCALE NOT TO SCALE
DATE 6/DATE

DRAWN BY CADD
CHECKED BY

3. These castings are included in the cost of the drainage structures as per District Special Provision.
4. This drawing based upon "NEEMH" designs as follows:
Inlet Frame: R-3246-A, Curb Box: R-3290
Reversible Diagonal Grate: R-3246-A
Vane Grates: R-3246-AL (Flow left)
R-3246-AL (Flow right)

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

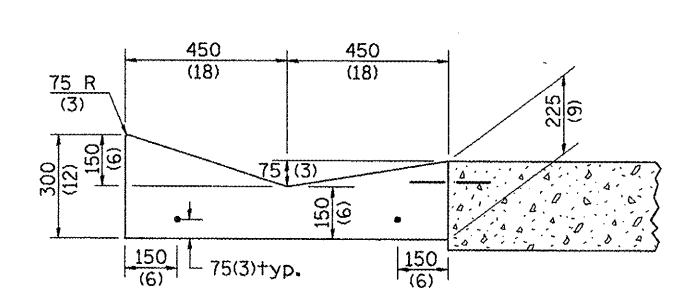
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (3TR-2)	TAZEWELL	449	272
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



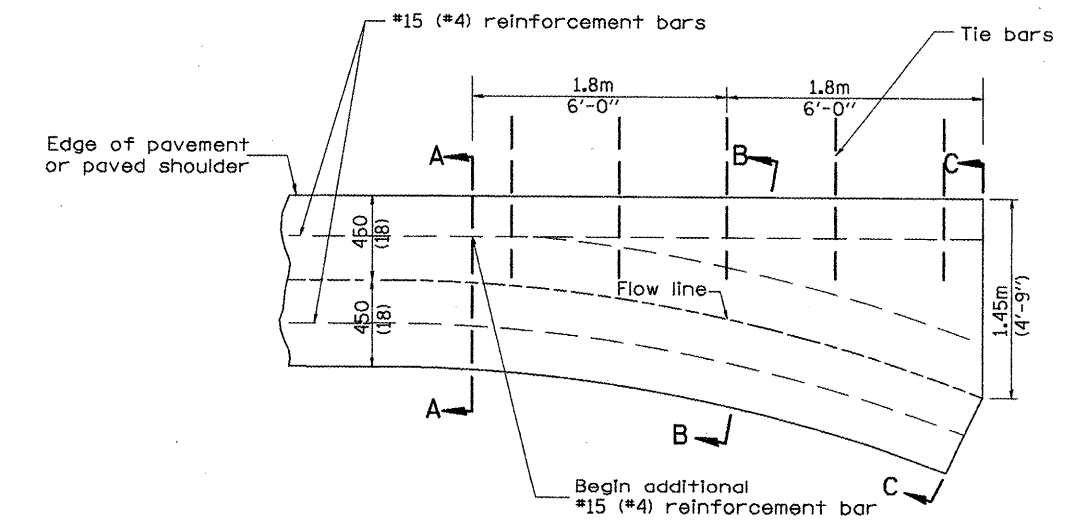
SHOULDER EDGE GUTTER

PAVEMENT EDGE GUTTER

TYPE A GUTTER (MODIFIED)



SECTION A-A

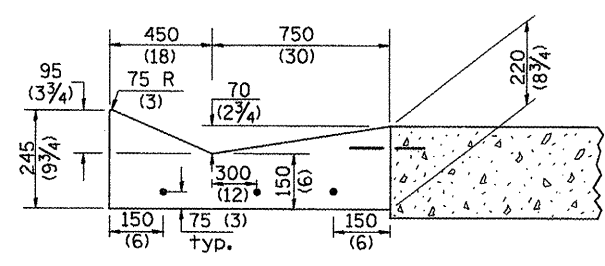


PLAN

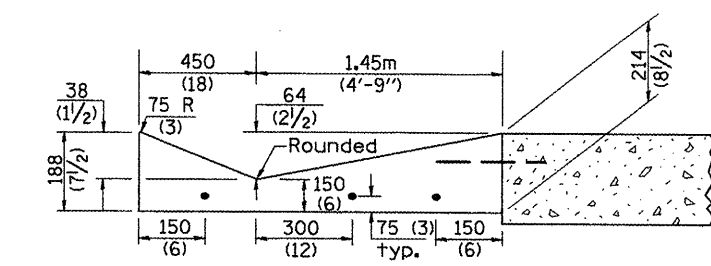
QUANTITY
Section C-C to A-A
m³ (cu. yd.) concrete.

GENERAL NOTES:

1. TYPE A GUTTER (MODIFIED) shall conform to the applicable portions of Section 606.
2. Tie bars shall be No. 20 (No. 6) at 600mm (24") 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 2.83 kg/m² (58 lbs/100 sq.ft.).



SECTION B-B



SECTION C-C

INLET

DESIGNER NOTE:
1. INCLUDE STATE STANDARD 420001.
2. INCLUDE DISTRICT SPECIAL PROVISION.

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

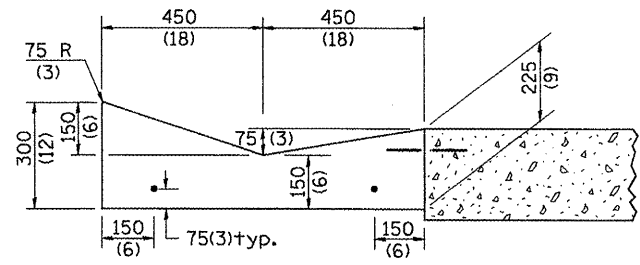
DGN-ONLY

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

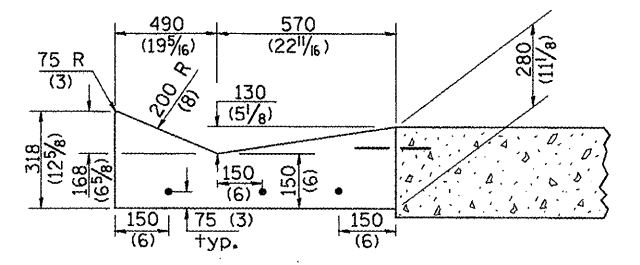
ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
TYPE A GUTTER, (MODIFIED)	
(INLET, OUTLET & ENTRANCE)	
CADD STANDARD 606101-D4	SHEET 1 OF 3
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE **DATE**	CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. A-1.02, NEW REVISION	T.P.
	BOX ELIMINATED EXPANSION	
	ANCHOR TIES	
2-28-02	ENTRANCE TYPICALS REVISED	M.A.

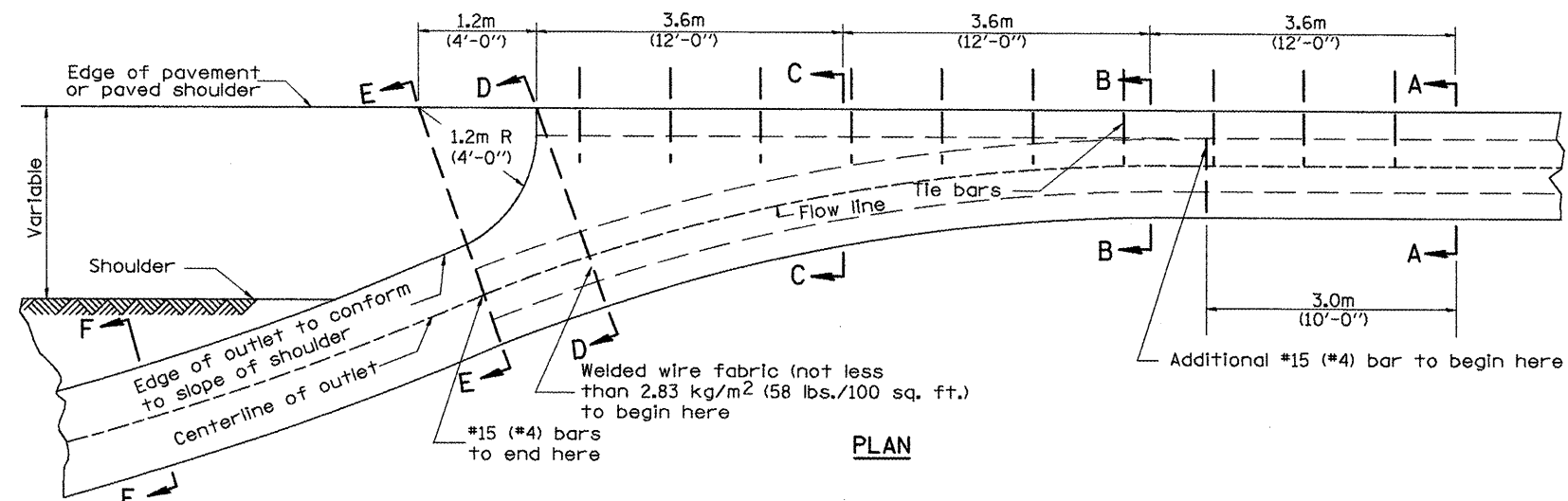
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	273
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT				



SECTION A-A



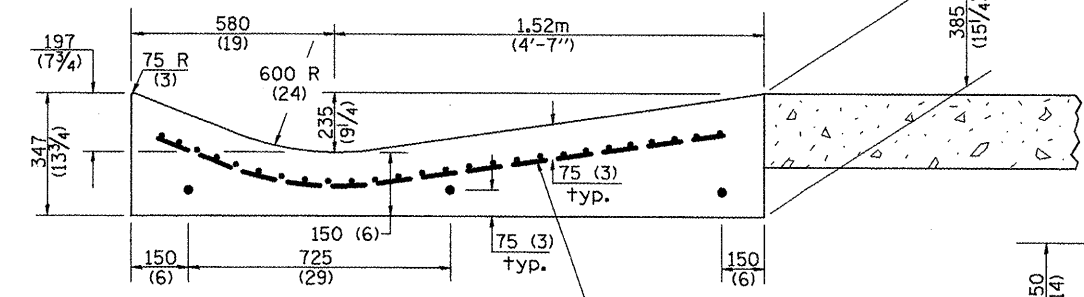
SECTION B-B



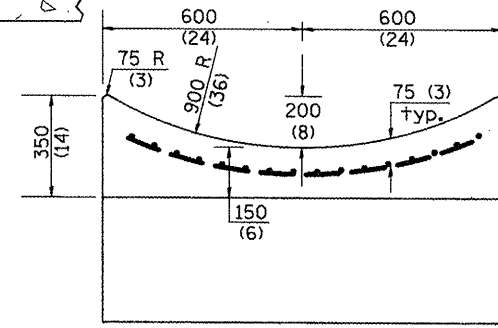
PLAN

QUANTITY
 Section A-A to E-E= m³ (cu. yd.) concrete.
 Section F-F= m³ (cu. yd./ft.) concrete.

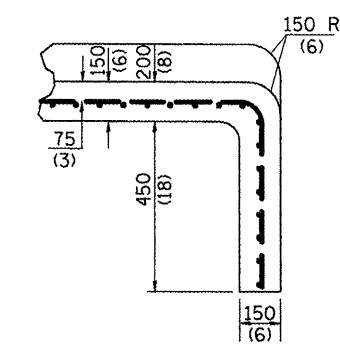
If the average grade of pavement for the distance from section A-A to section D-D exceeds 2%, this distance shall be increased 1.8 m (6 ft.) for each 1% increase in grade. A quantity adjustment is required.



SECTION D-D

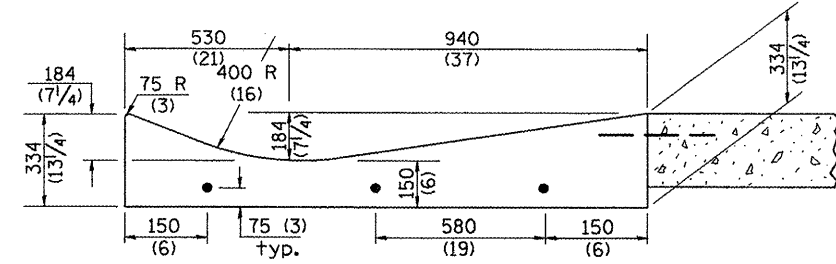


SECTION E-E

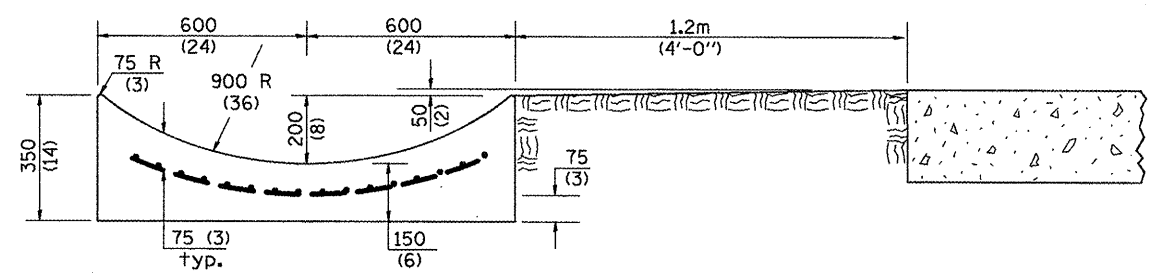


QUANTITY
 Curtain Wall
 m³ (cu. yd.) concrete.

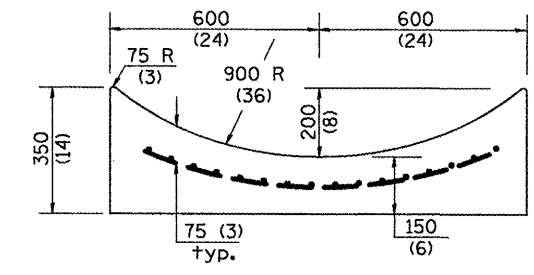
SECTIONS AT END OF OUTLET (CURTAIN WALL)



SECTION C-C



SECTION E-E



SECTION F-F

OUTLET

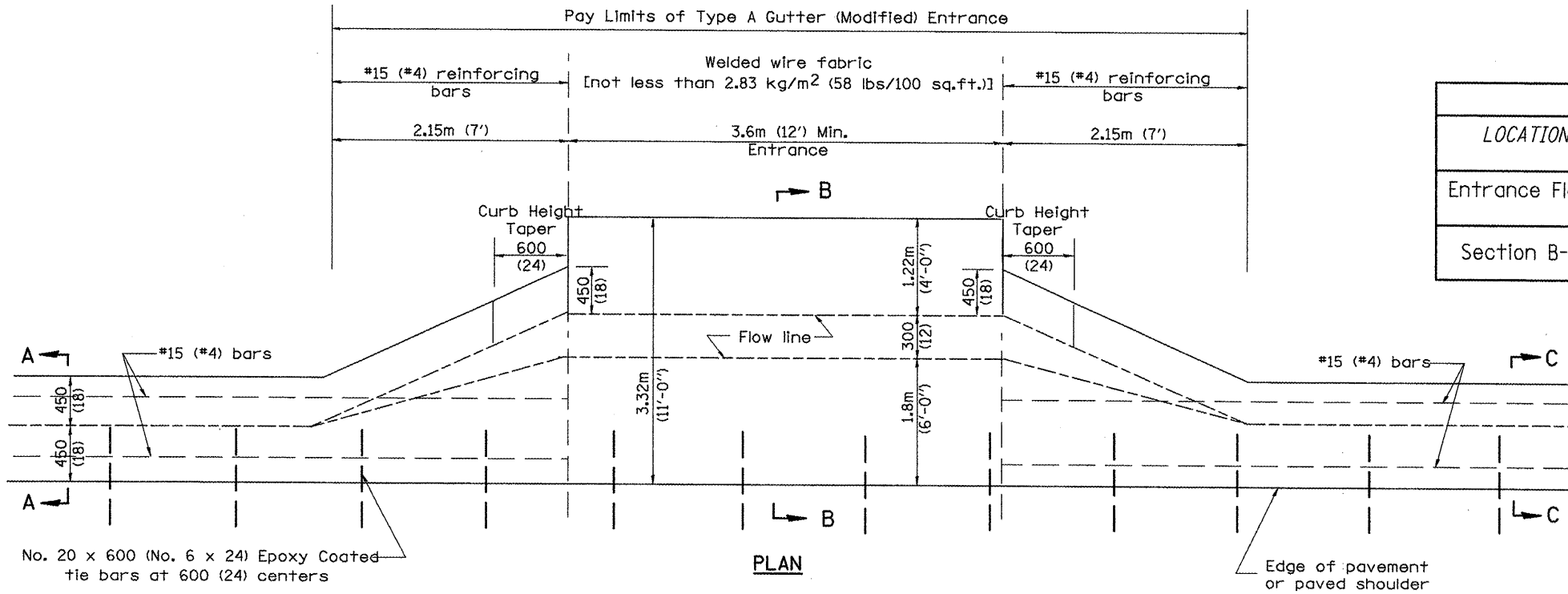
QUANTITIES

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 millimeters (inches) unless otherwise noted.

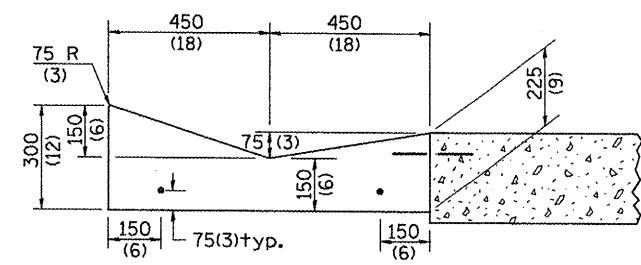
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD
TYPE A GUTTER, (MODIFIED)
(INLET, OUTLET & ENTRANCE)
 CADD STANDARD 606101-D4 SHEET 2 OF 3
 SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
 DATE **DATE** CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	274
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

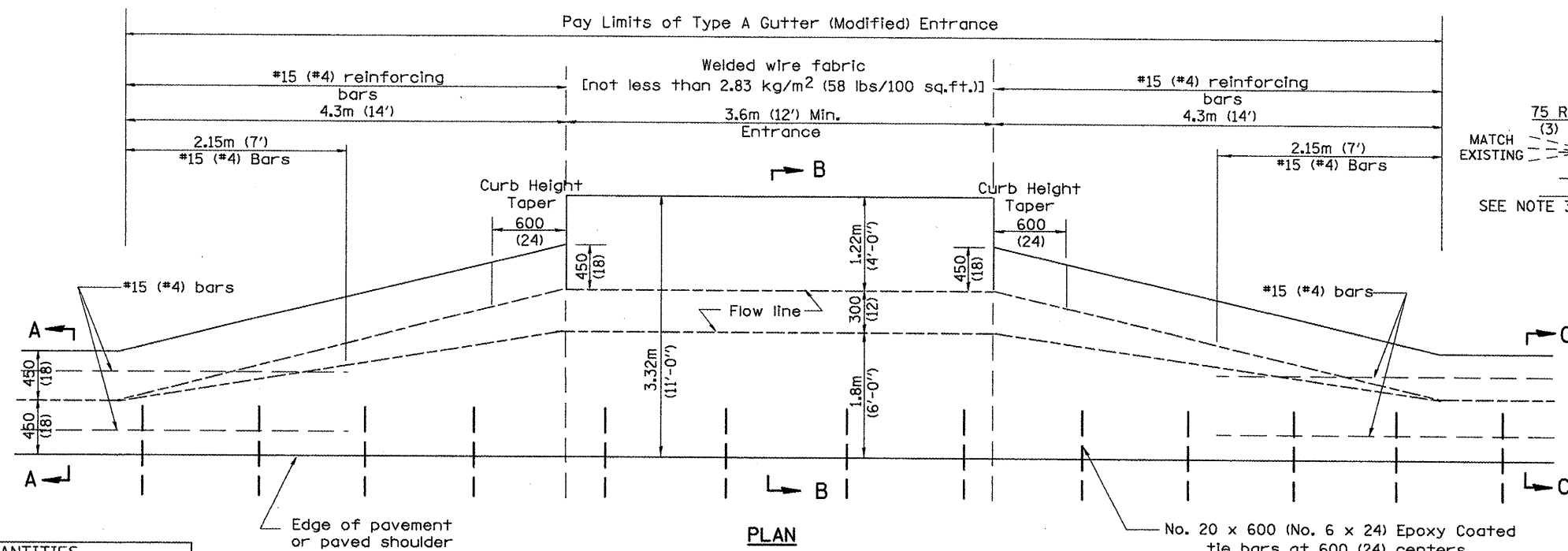


TYPICAL URBAN ENTRANCE

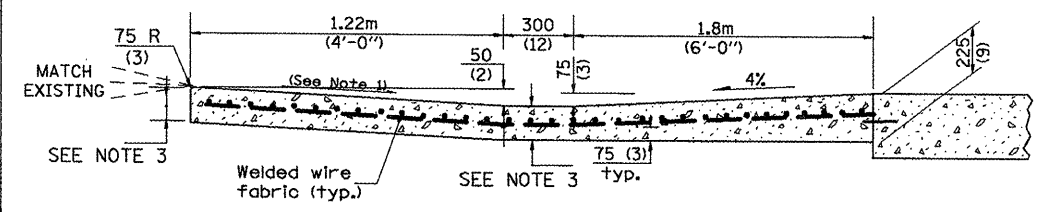
LOCATION	LENGTH	NON-COMMERCIAL	COMMERCIAL ENTRANCE
		150 (6)	200 (8)
Entrance Flare	2.15 m (7 Ft) Urban 4.30 m (14 Ft) Rural	0.37 Cu M / M (0.15 Cu Yd / Ft)	0.45 Cu M / M (0.18 Cu Yd / Ft)
Section B-B	See Plans	0.57 Cu M / M (0.23 Cu Yd / Ft)	0.70 Cu M / M (0.28 Cu Yd / Ft)



SECTION A-A & C-C



TYPICAL RURAL ENTRANCE



SECTION B-B

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

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

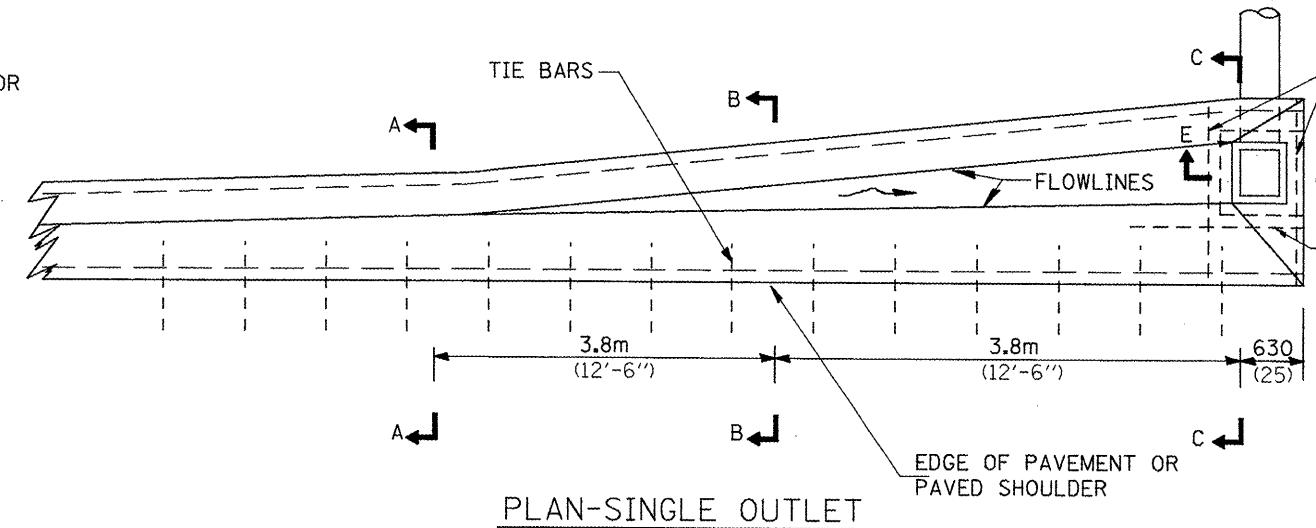
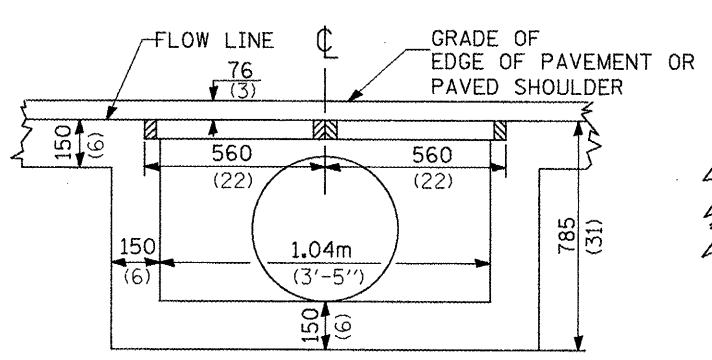
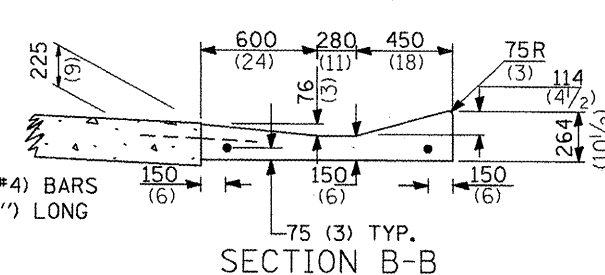
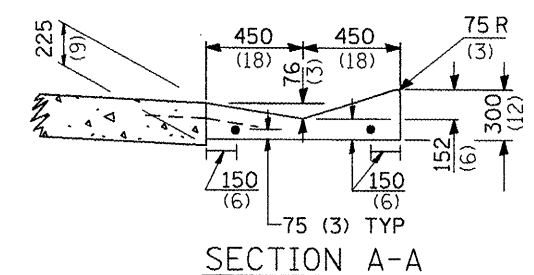
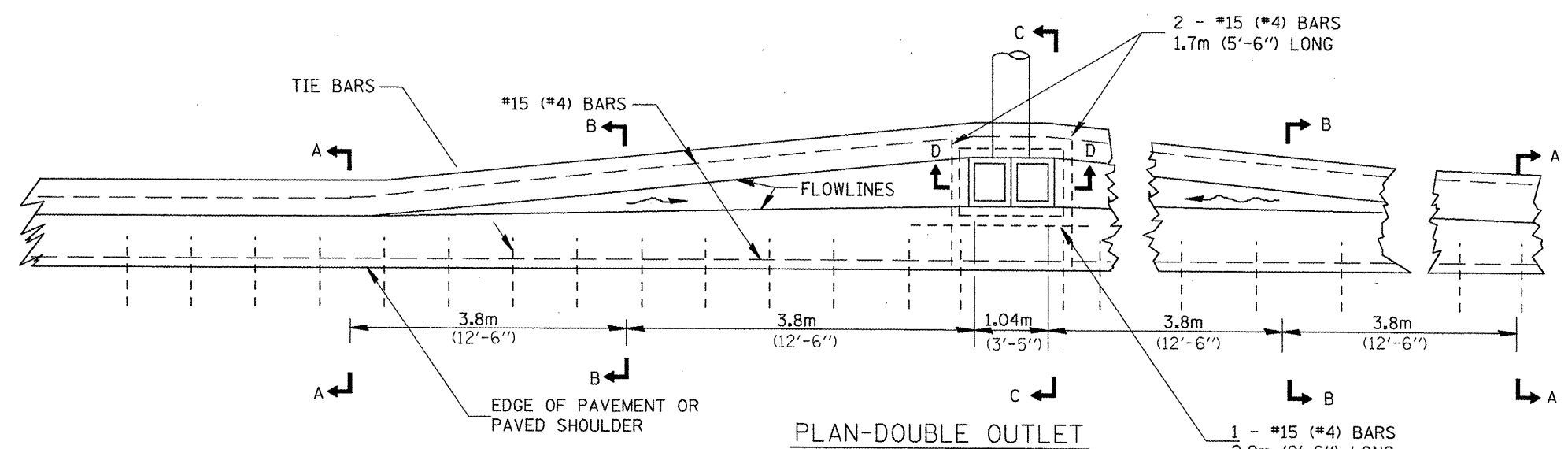
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD
TYPE A GUTTER, (MODIFIED)
(INLET, OUTLET & ENTRANCE)
 CADD STANDARD 606101-D4 SHEET 3 OF 3
 SCALE: NOT DRAWN TO SCALE DRAWN BY CADD
 DATE **DATE** CHECKED BY

QUANTITIES

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

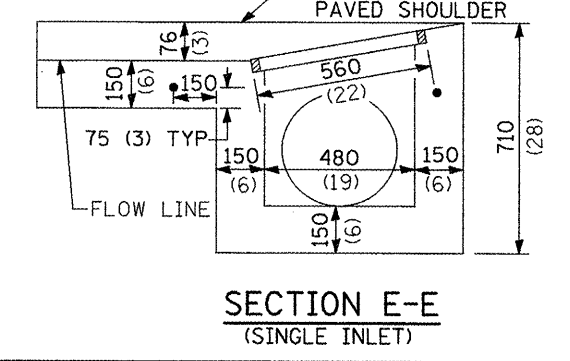
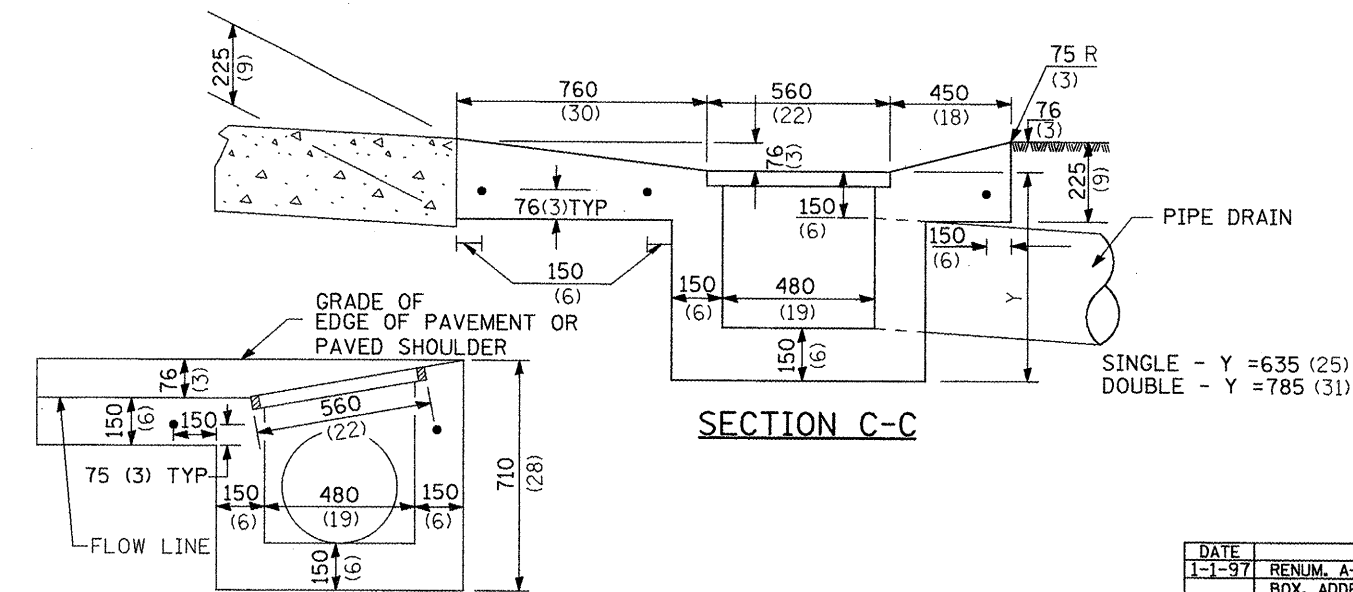
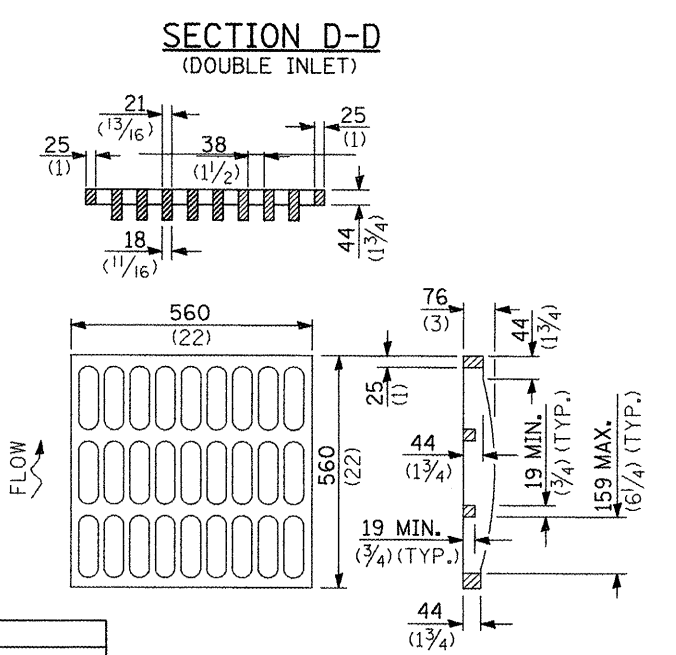
QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE, BUREAU OF PROJECT IMPLEMENTATION, DOCUMENTATION SECTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TABERNELL	449	275
STA.		TO STA.		
FED. ROAD DIST. NO. 4 ILLINOIS		FED. AID PROJECT		



QUANTITIES

MATERIAL	SINGLE	DOUBLE
CONCRETE - m ³ (cu.yd.)	()	()
CAST IRON GRATE - Ea. 57 kg (125 lbs.)	1	2
PIPE DRAIN - DIA. mm (in.)	400 (15)	450 (18)



GENERAL NOTES

The gutter outlet shall be tied to the pavement in accordance with details for longitudinal construction joint shown on Standard 420001.

Tie bars shall be No. 20 (No. 6) at 600mm (24") centers unless otherwise shown.

If the average grade of pavement for the distance A-D exceeds 2 %, this distance shall be increased 1.8m (6') for each 1 % increase in grade.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

OUTLET TYPE 1 (MODIFIED) FOR TYPE A GUTTER (MODIFIED)

CADD STANDARD 606106-D4

NOT DRAWN TO SCALE DATE: **DATE**

DRAWN BY CADD CHECKED BY:

DATE	REVISIONS	BY
1-1-97	RENUM. A-1.07, NEW REVISION BOX, ADDED DESIGNER NOTES.	T.P.

DESIGNER NOTE:
 1. INCLUDE STATE STANDARD 420001.
 2. INCLUDE DISTRICT SPECIAL PROVISION.

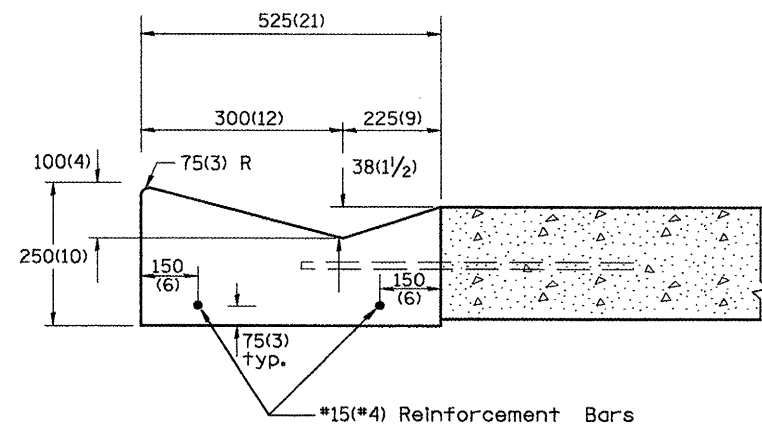
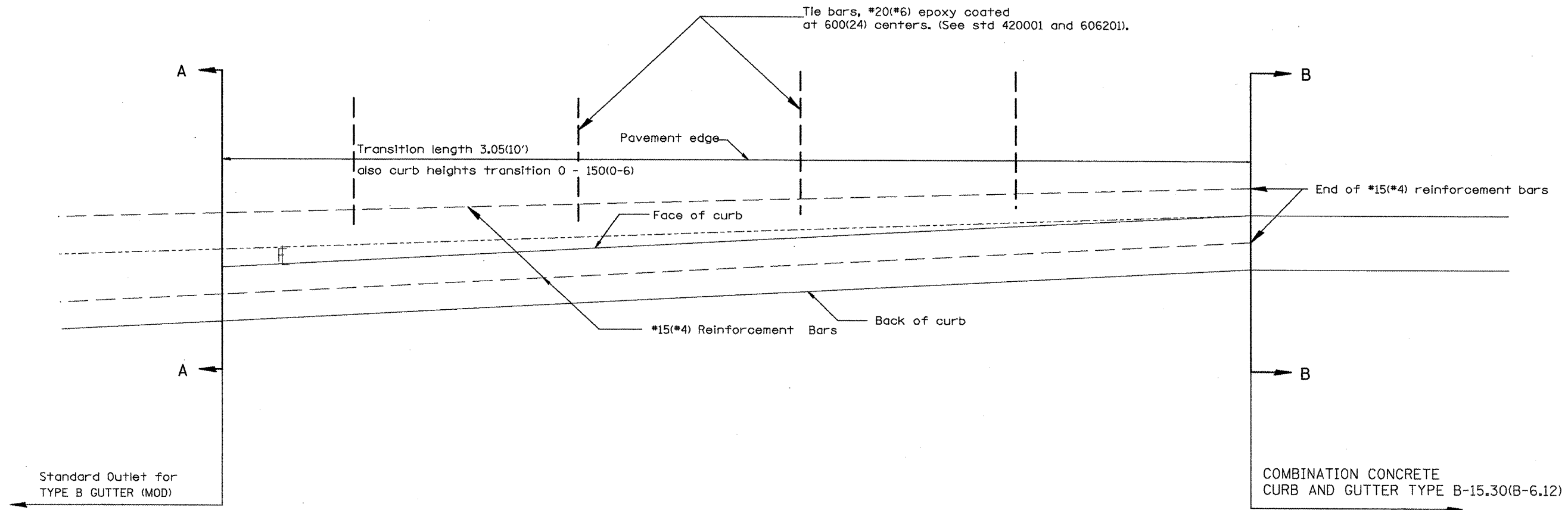
QUANTITIES

CALC. BY: _____ DATE: _____

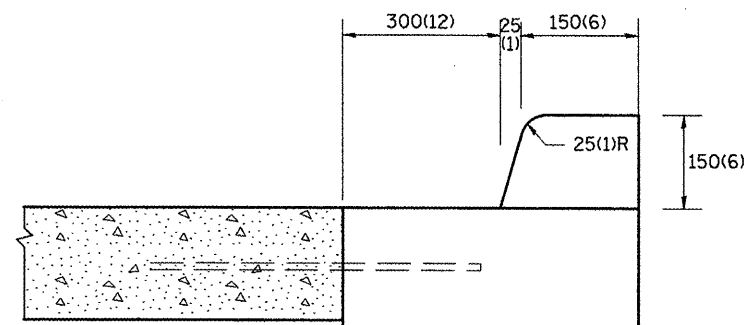
CHECKED BY: _____ DATE: _____

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1 (37R-2)	TAZWELL	449	276
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	



SECTION A - A



SECTION B - B

GENERAL NOTES:

1. Tie bars shall be constructed in accordance with details for BULKHEAD LONGITUDINAL CONSTRUCTION JOINT shown on Standard 420001.
2. Adjacent to sound existing p.c.c. pavement, tie bars shall be installed in drilled holes in accordance with article 420.10(b).
3. Construction and expansion joints shall be installed in prolongation with joints in the pavement. Joint shall be constructed in accordance with the applicable portion of Art. 606.06 of the Standard Specifications.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

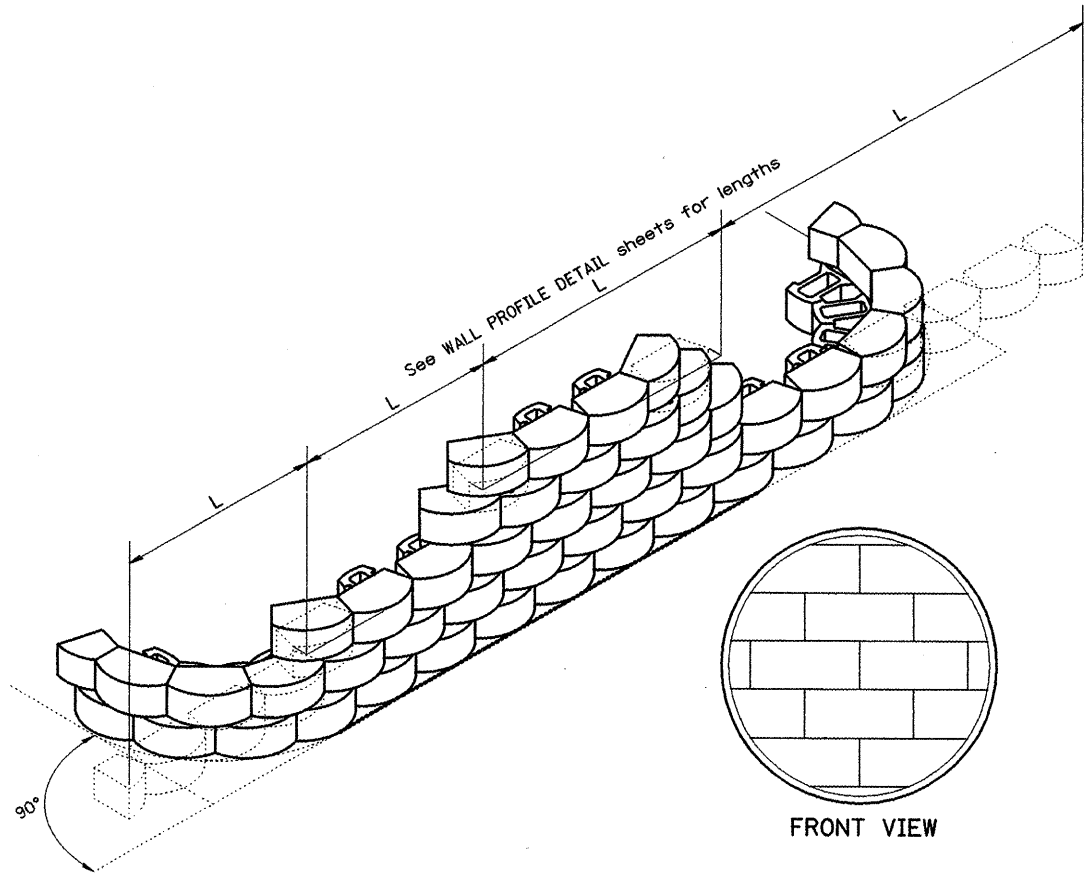
DATE	REVISIONS	BY
1-1-97	RENUM. A-711, METRICS, NEW REVISION BOX, REVISED GENERAL NOTES, ELIMINATED EXPANSION TIE ANCHORS	T.P.

TRANSITION FROM CONCRETE CURB AND GUTTER TYPE B-15.30(B 6.12) TO OUTLET FOR TYPE B GUTTER (MODIFIED)
CADD STANDARD 606206-D4
SCALE: NONE
DATE: \$\$\$DATE\$\$\$
DRAWN BY: CADD
CHECKED BY:

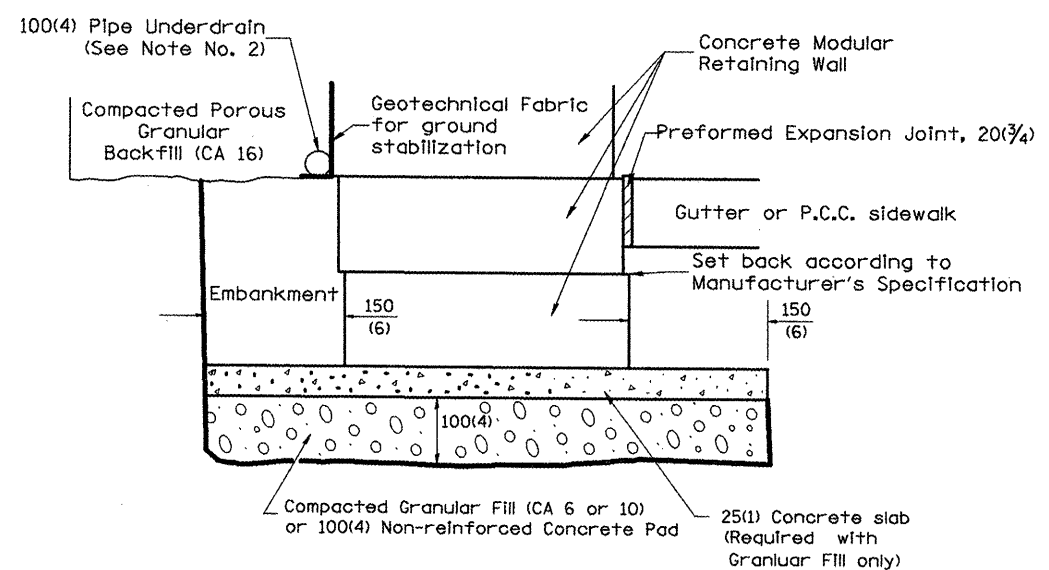
outlet for TYPE B GUTTER (MODIFIED)
2. Include std 420001.
3. Include District Special Provision

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

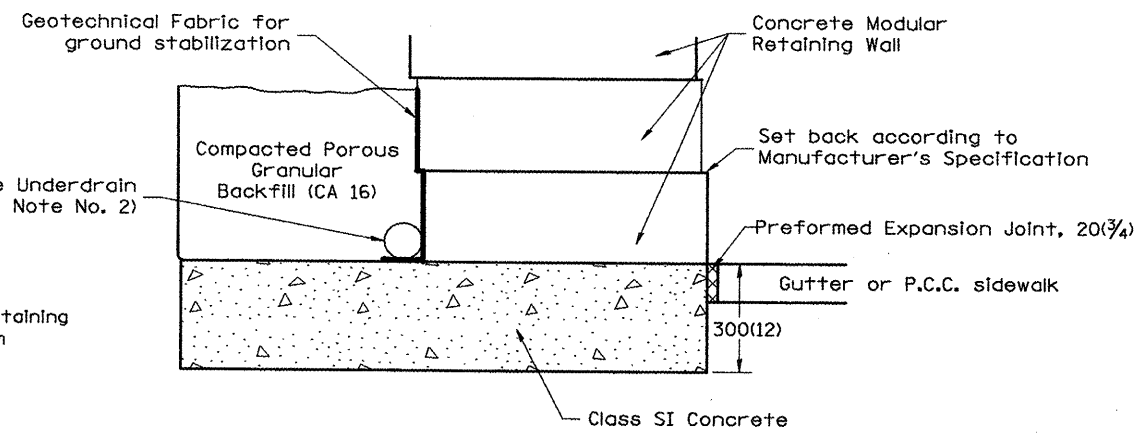
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	277
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJECT	



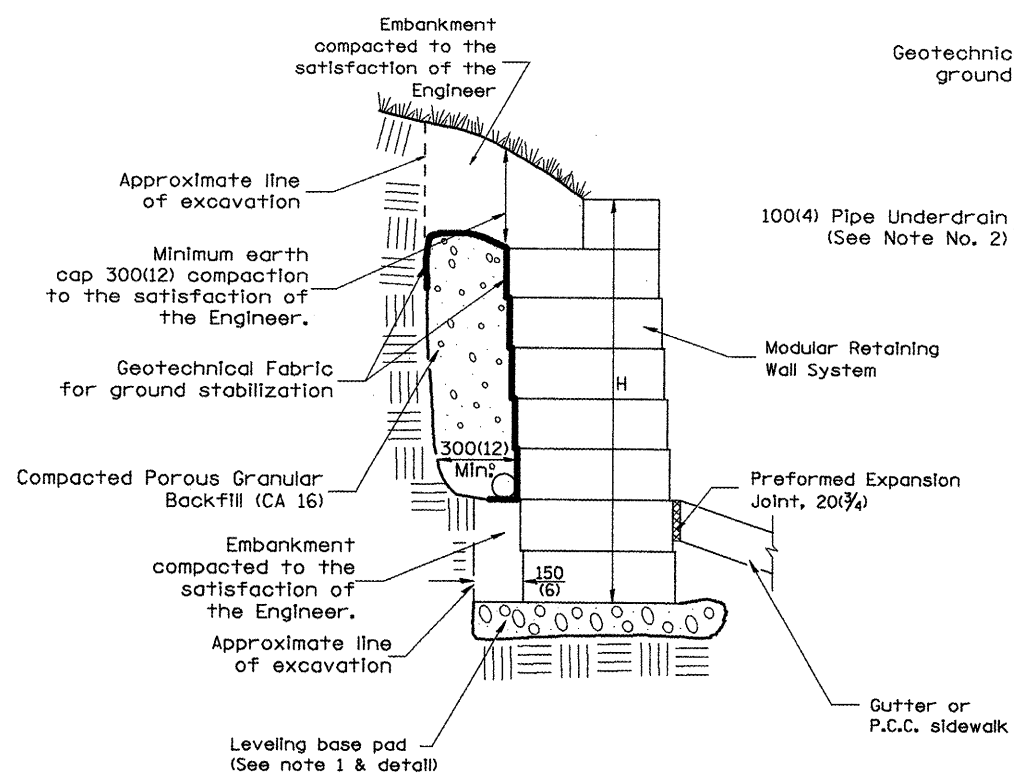
INSTALLATION OF COURSES IN RUNNING BOND



LEVELING BASE PAD DETAIL



LEVELING BASE PAD CONCRETE ALTERNATE (See Note 1)



NOTES:

- At the Contractor's option the portion of the stone wall below top of sidewalk elevation may be constructed with class SI concrete. The width shall match the width of the modular block plus the 300(12) maximum trench.
- 100(4) Pipe Underdrains shall outlet into inlets or storm sewer.
- Pipe drains and pipe underdrains shall meet the requirements of the applicable portions of section 601 of the Standard Specifications.
- Preformed expansion joint filler shall be placed between the gutter or sidewalk and the wall.
- The geotechnical fabric shall meet the requirements of the applicable portions of Sections 210 and 1080 of the Standard Specifications.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
MODULAR RETAINING WALL SYSTEM DETAIL	
CADD STD NO. 660101-D4	
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE **DATE**	CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM L-5.05, NEW REVISION BOX, REVISED TITLE BOX	T.P.

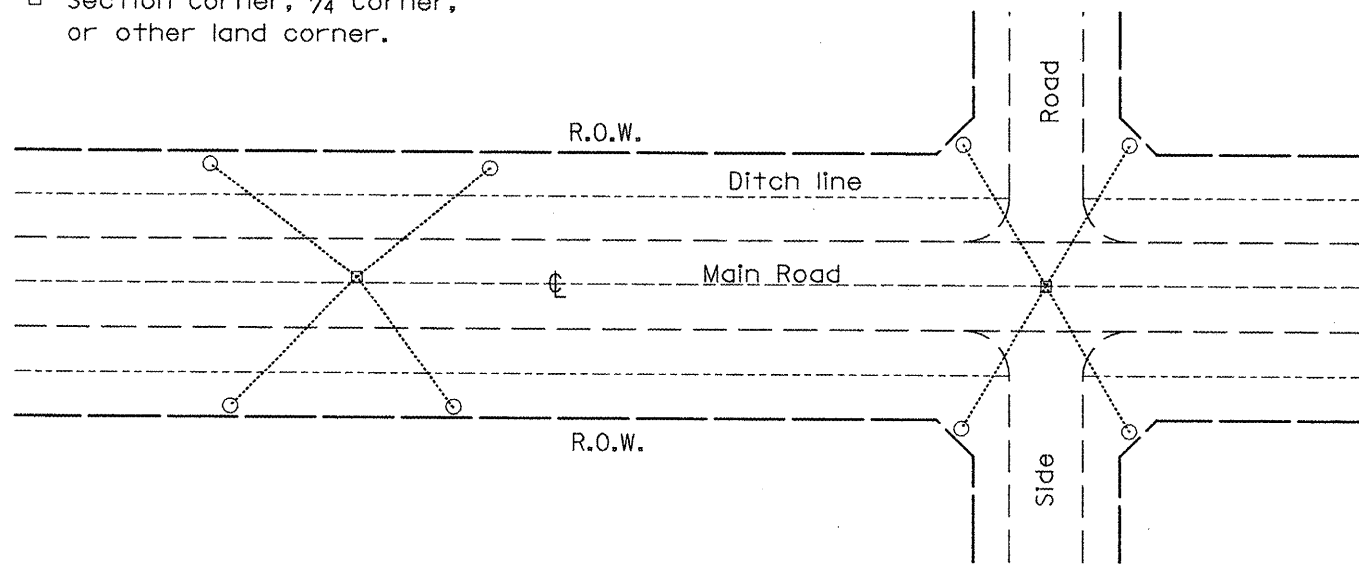
1. Use in conjunction with Special Provisions for Modular Retaining Wall System, with name of three systems specified.
 2. Use in conjunction with Special Provisions for Pipe Underdrains, CA 16, without Fabric Envelope.

DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	278
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

PERMANENT SURVEY TIES

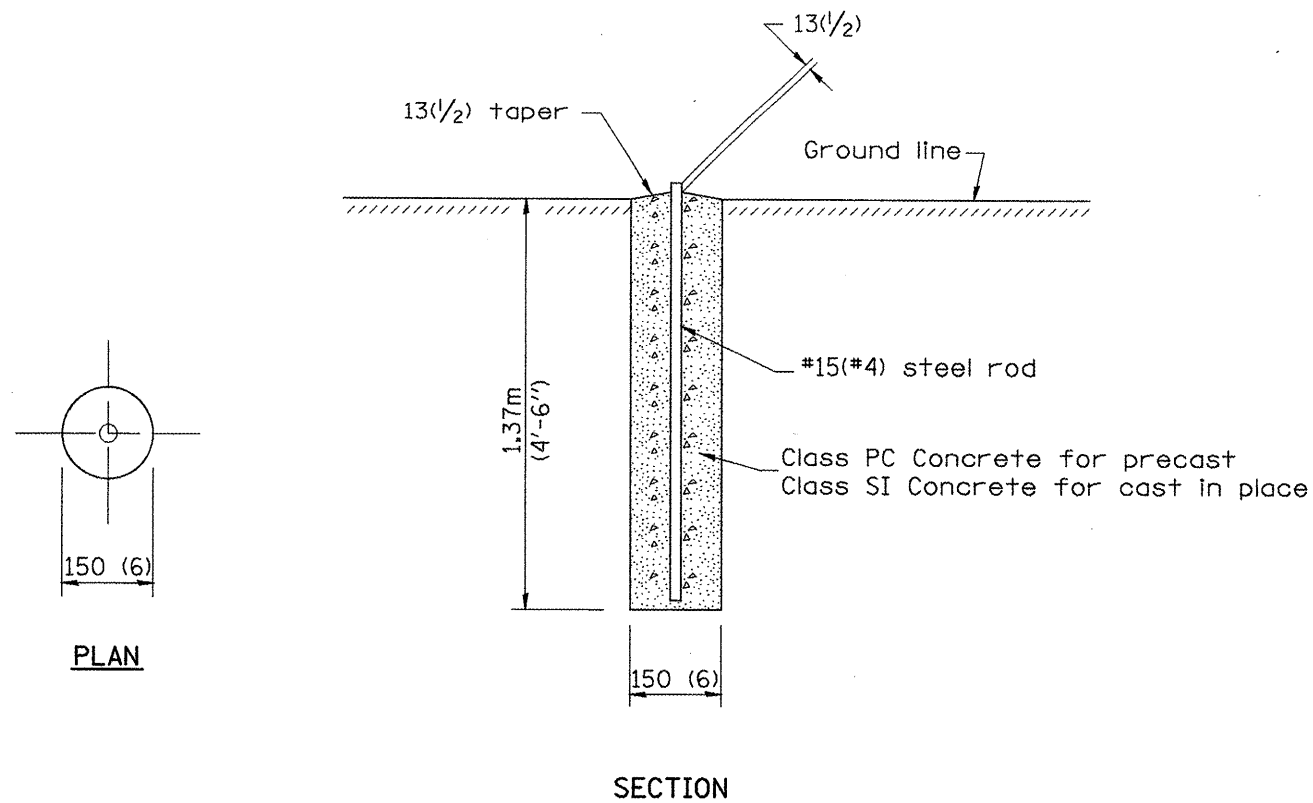
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



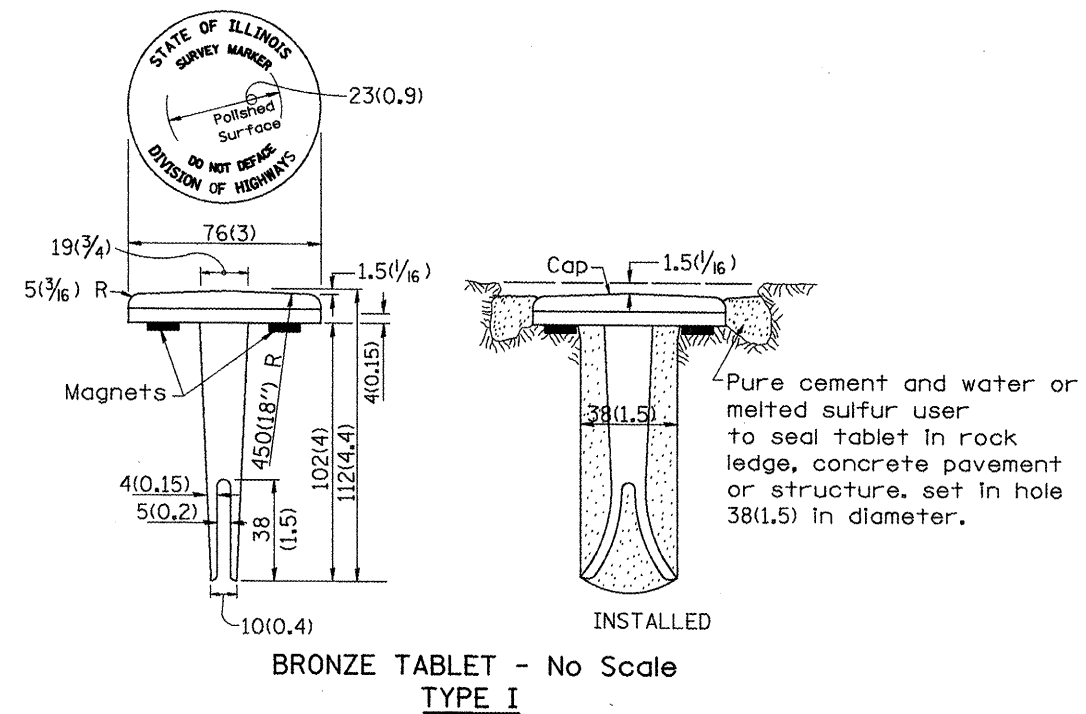
TYPICAL APPLICATION

GENERAL NOTES

- The marker may be either precast of Class PC Concrete, or cast in place of Class SI Concrete.
- Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
- The tie distances to the section corner shall be measured and recorded by the IDOT Chief of Surveys.

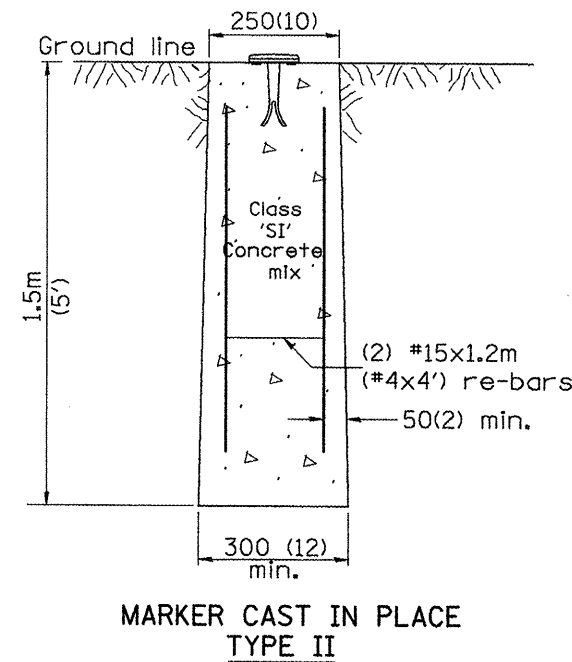


PERMANENT SURVEY MARKERS



GENERAL NOTES

- All type II markers shall be cast in place, and precast markers will not be allowed.
- Two permanent magnets, each having a diameter of 19 (3/4) and a thickness of 6 (1/4), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
- 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 300m(1000').
- 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.
- 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 millimeters (inches) unless otherwise noted.

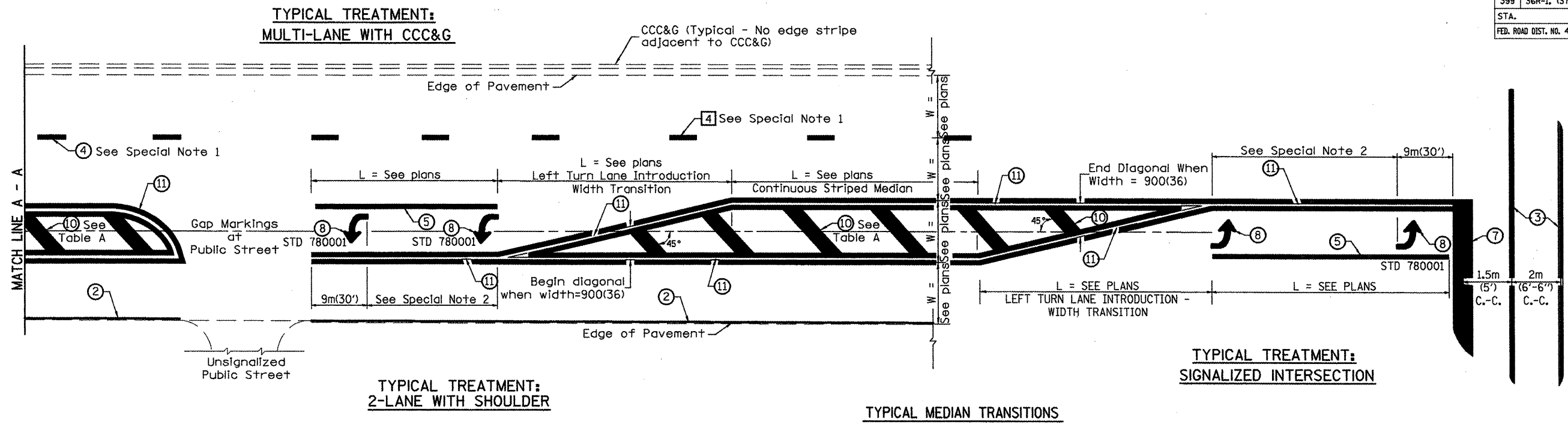
ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT CADD STANDARD	
PERMANENT SURVEY TIE & PERMANENT SURVEY MARKERS TY.I - TY.II	
CADD STD. NO. 667101-D4	
SCALE: NOT DRAWN TO SCALE	DRAWN BY CADD
DATE **DATE**	CHECKED BY

DATE	REVISIONS	BY
1-1-97	RENUM. D-3.01, NEW REVISION BOX	T.P.
7-7-98	ADD DESIGNER NOTE, REVISED TITLE BOX	J.A.
	ADD DESIGNER NOTE	

DESIGNER NO. 112
1. ADD DISTRICT SPECIAL PROVISION.
2. MODIFIES STATE STD 667101 TO CALL FOR "BRONZE" TABLET.

DATE

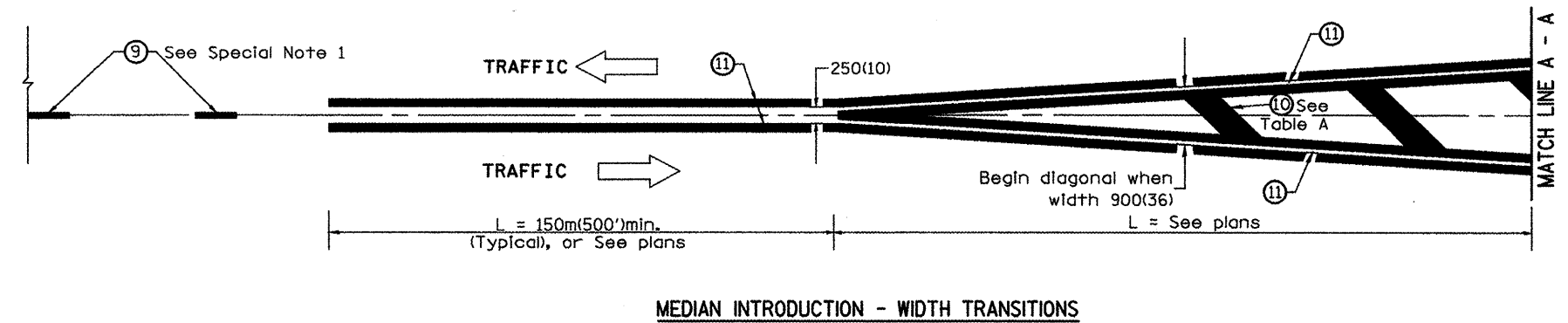
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1, (37R-2)	TAZEWELL	449	280
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		



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 50 km/h (30 mph)	15m (50')	5m (15')
50 - 70 km/h (30 - 45 mph)	23m (75')	6m (20')
Over 70 km/h (45 mph)	46m (150')	9m (30')



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

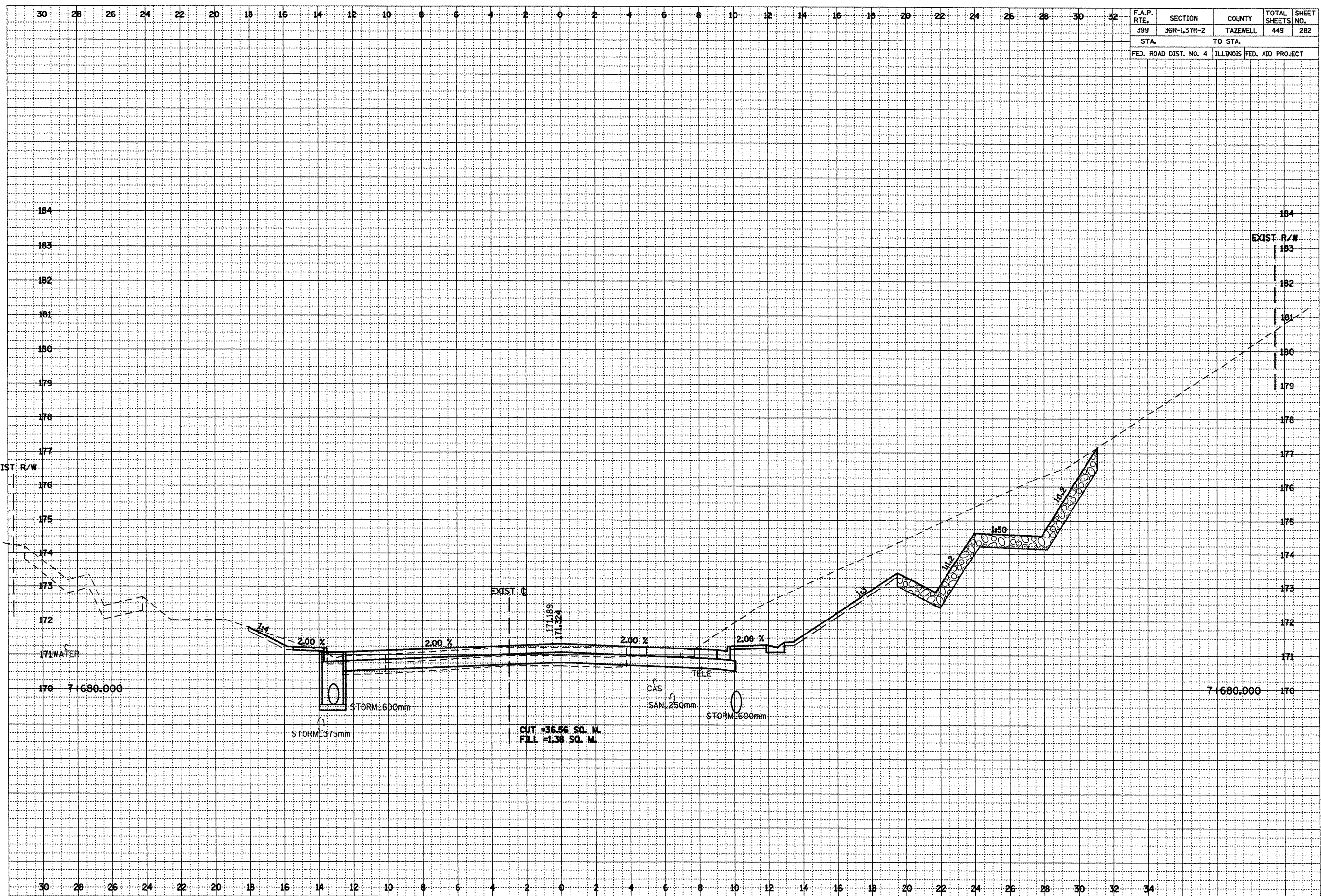
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

TYPICAL PAVEMENT MARKINGS

CADD STANDARD 780001-D4 SHEET 2 OF 2
SCALE: NOT DRAWN TO SCALE DRAWN BY CADD CHECKED BY

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

DGN-ONLY

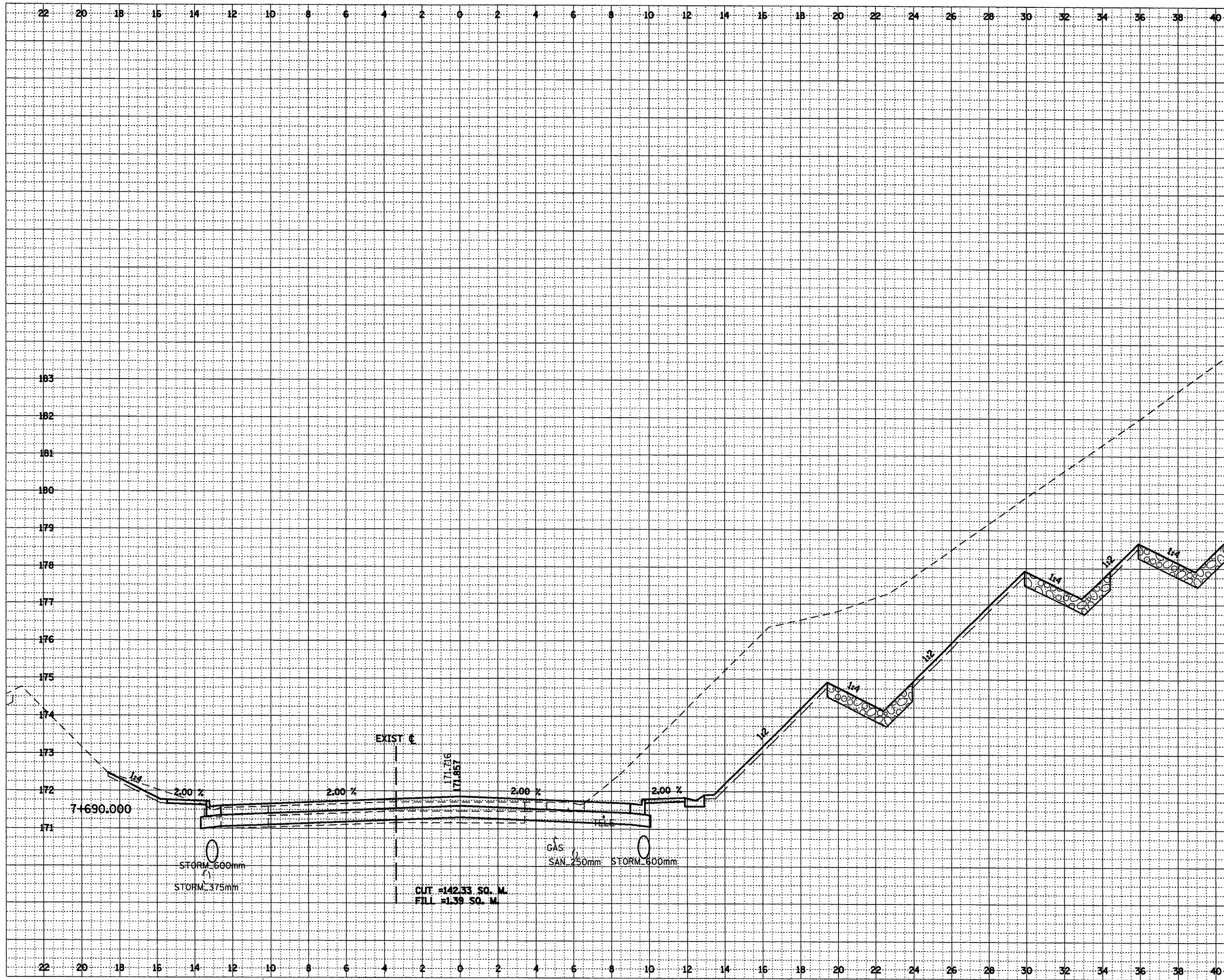


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	282
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

DATE	BY
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	BY
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

***LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	283
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

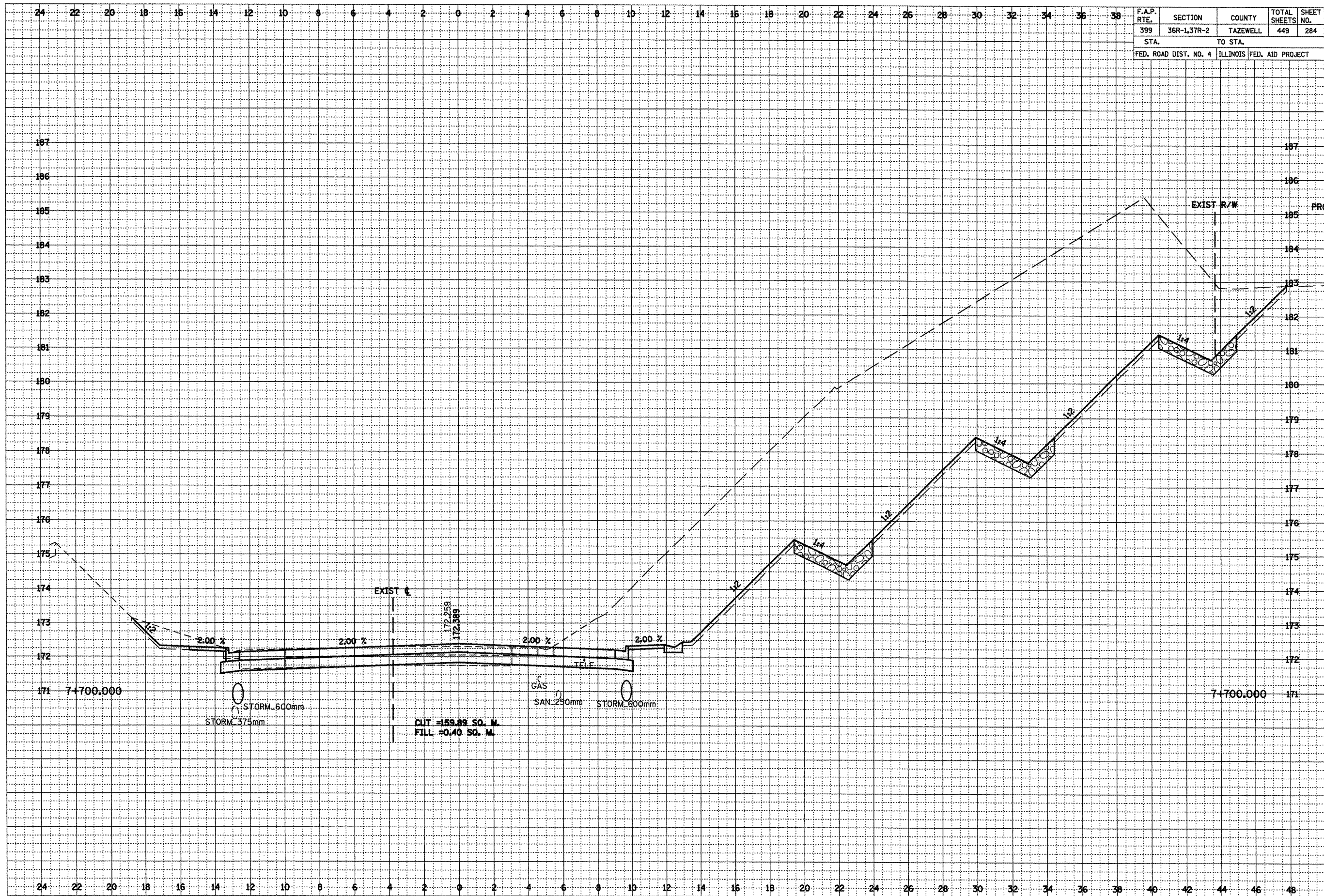
DATE	BY

NO.	AREAS CHECKED

DATE	BY

NO.	AREAS CHECKED

***LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	284
STA. TO STA.		FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT		

DATE	BY

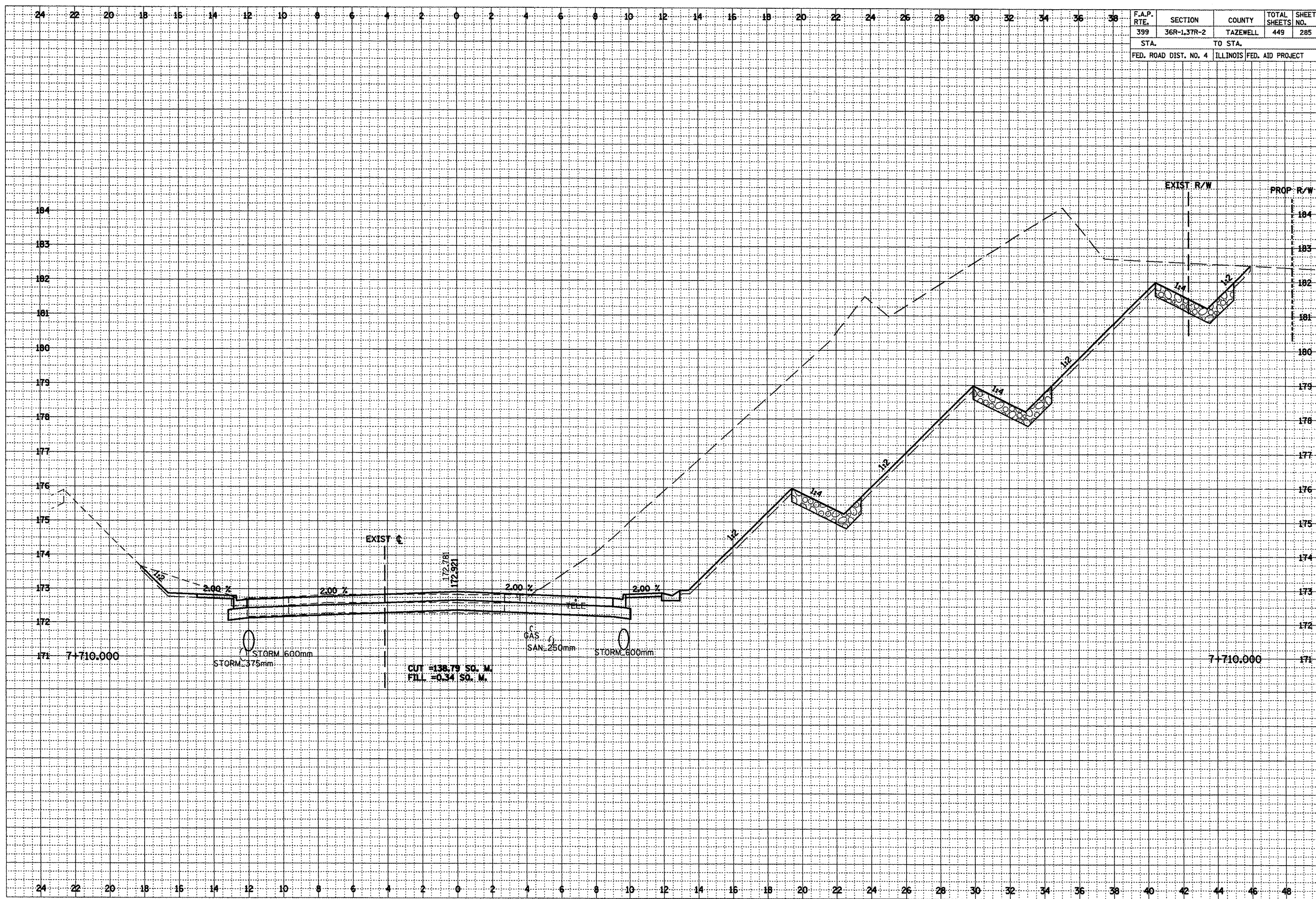
DATE	BY

•••LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.

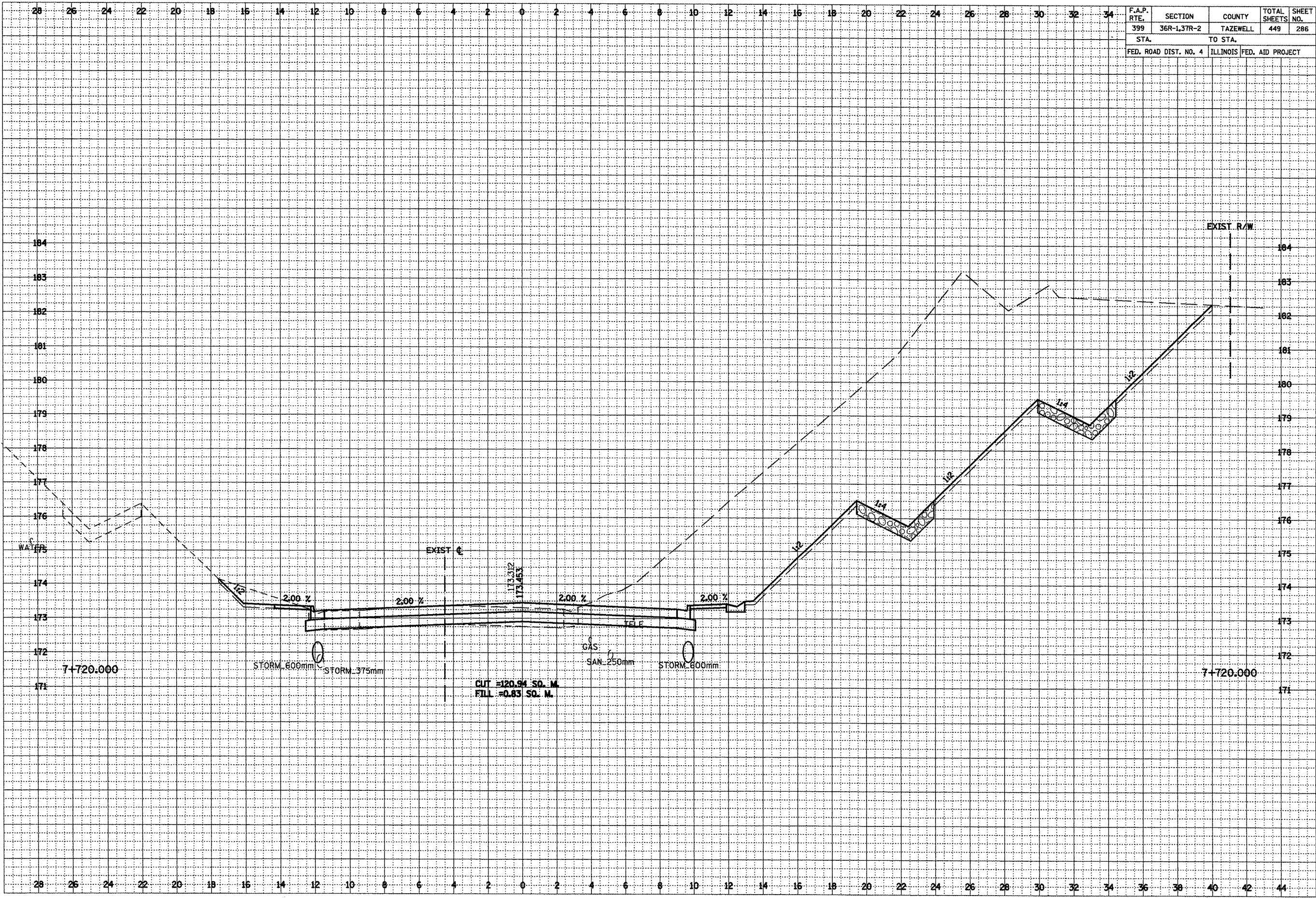
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	285
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
TEMPLATE	
AREAS CHECKED	
NO.	



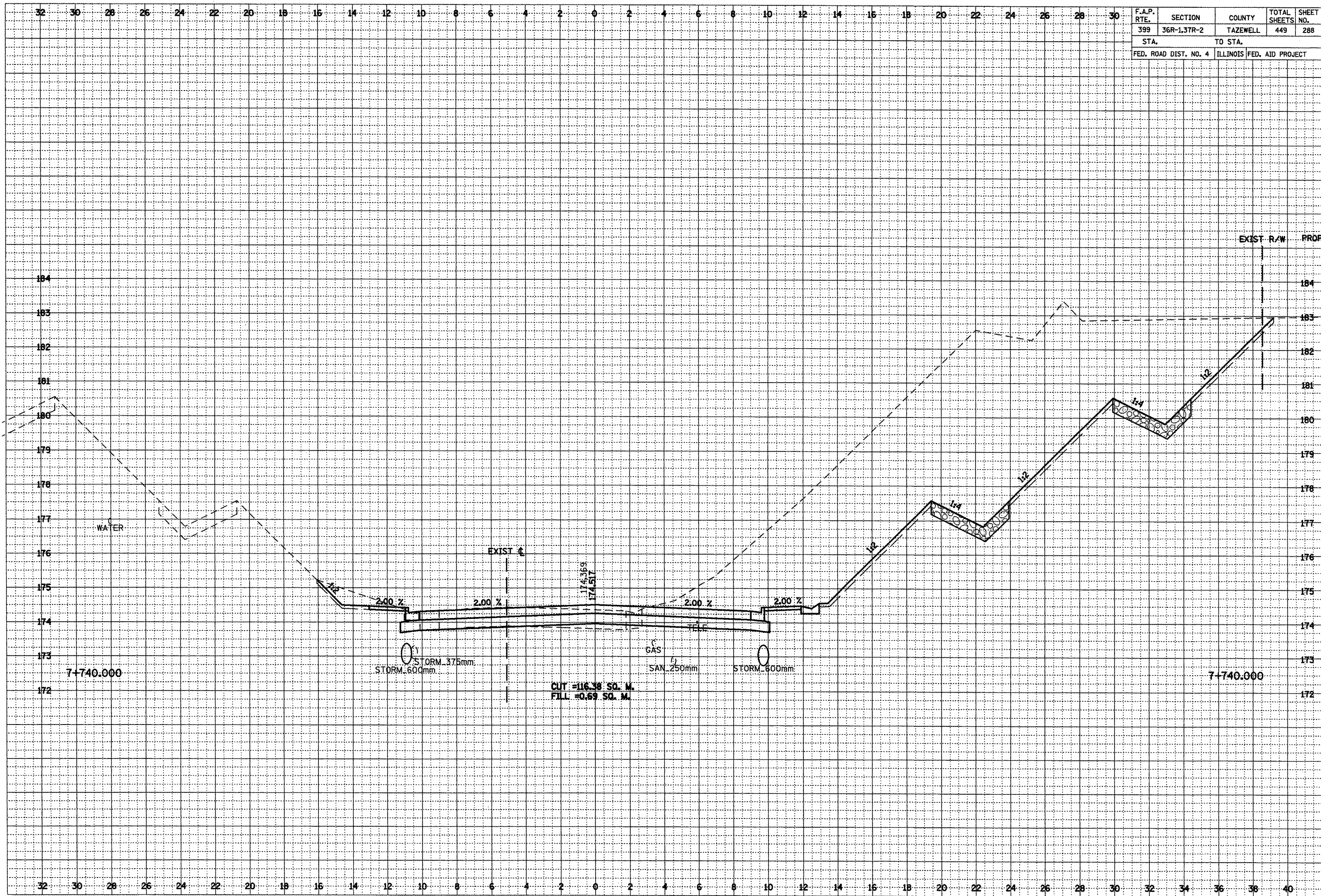
•••LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.



DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

DATE _____
 BY _____
 ORIGINAL SURVEY _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

•••LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.

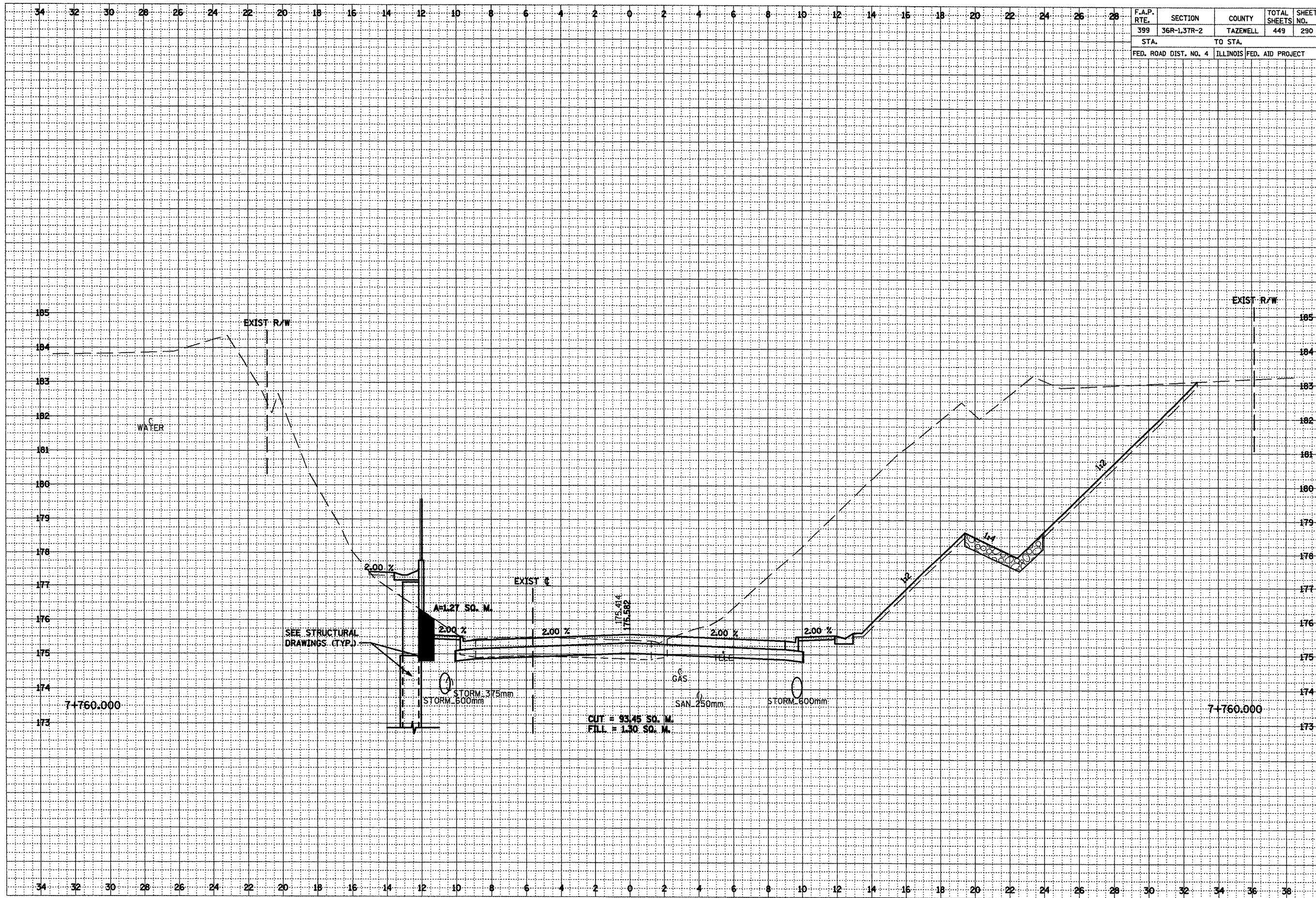


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	288
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

DATE	BY	REVISIONS
		1. SUBMITTED
		2. PLOTTED
		3. TEMPLATE
		4. AREAS CHECKED

DATE	BY	REVISIONS
		1. ORIGINAL
		2. SURVEY
		3. PLOTTED
		4. TEMPLATE
		5. AREAS CHECKED

***LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1.37R-2	TAZEWELL	449	290
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
SURVEYED	
NOTE BOOK	
AREAS CHECKED	
NO.	

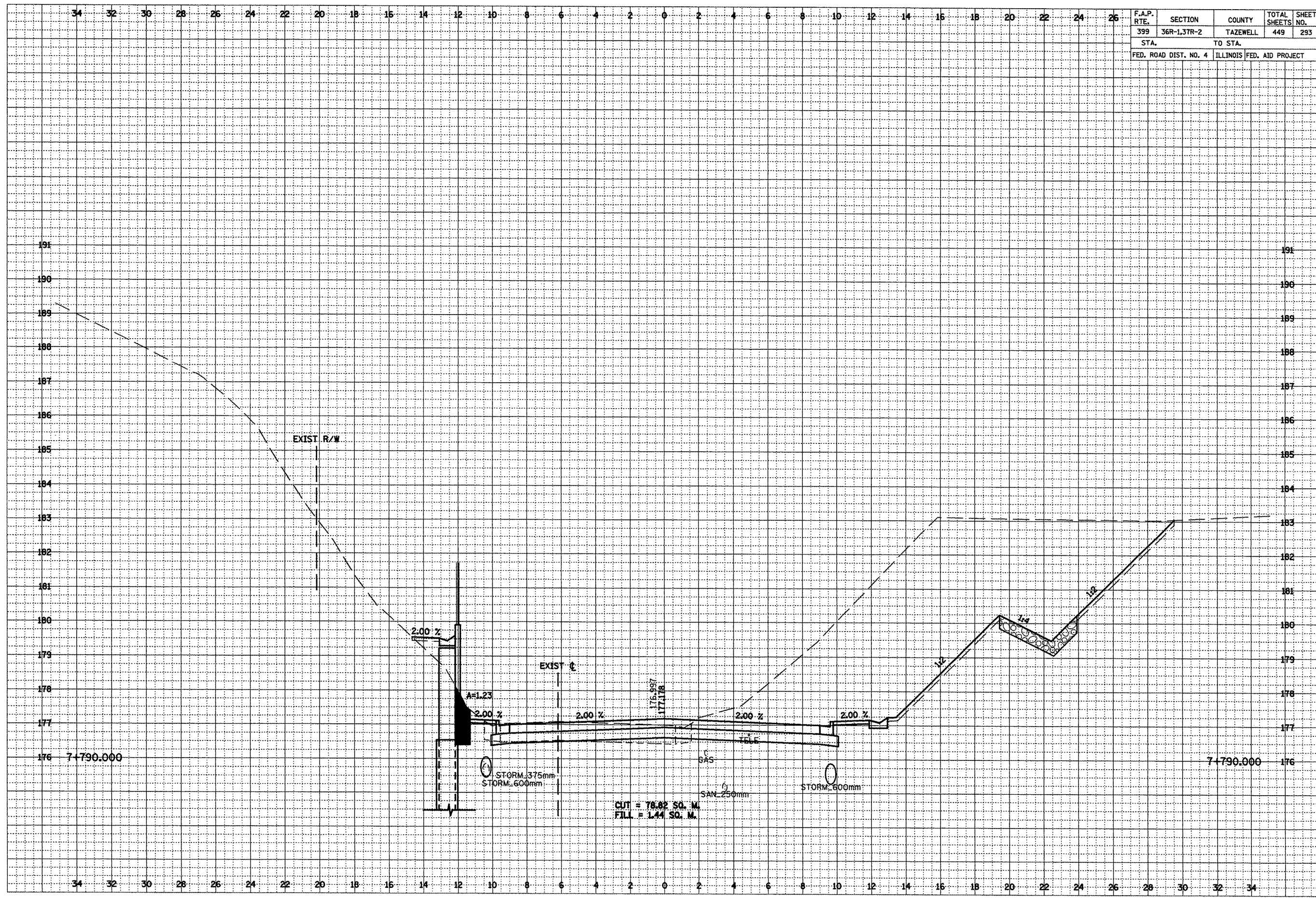
ORIGINAL SURVEY	DATE
SURVEYED	
NOTE BOOK	
AREAS CHECKED	
NO.	

•••LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.

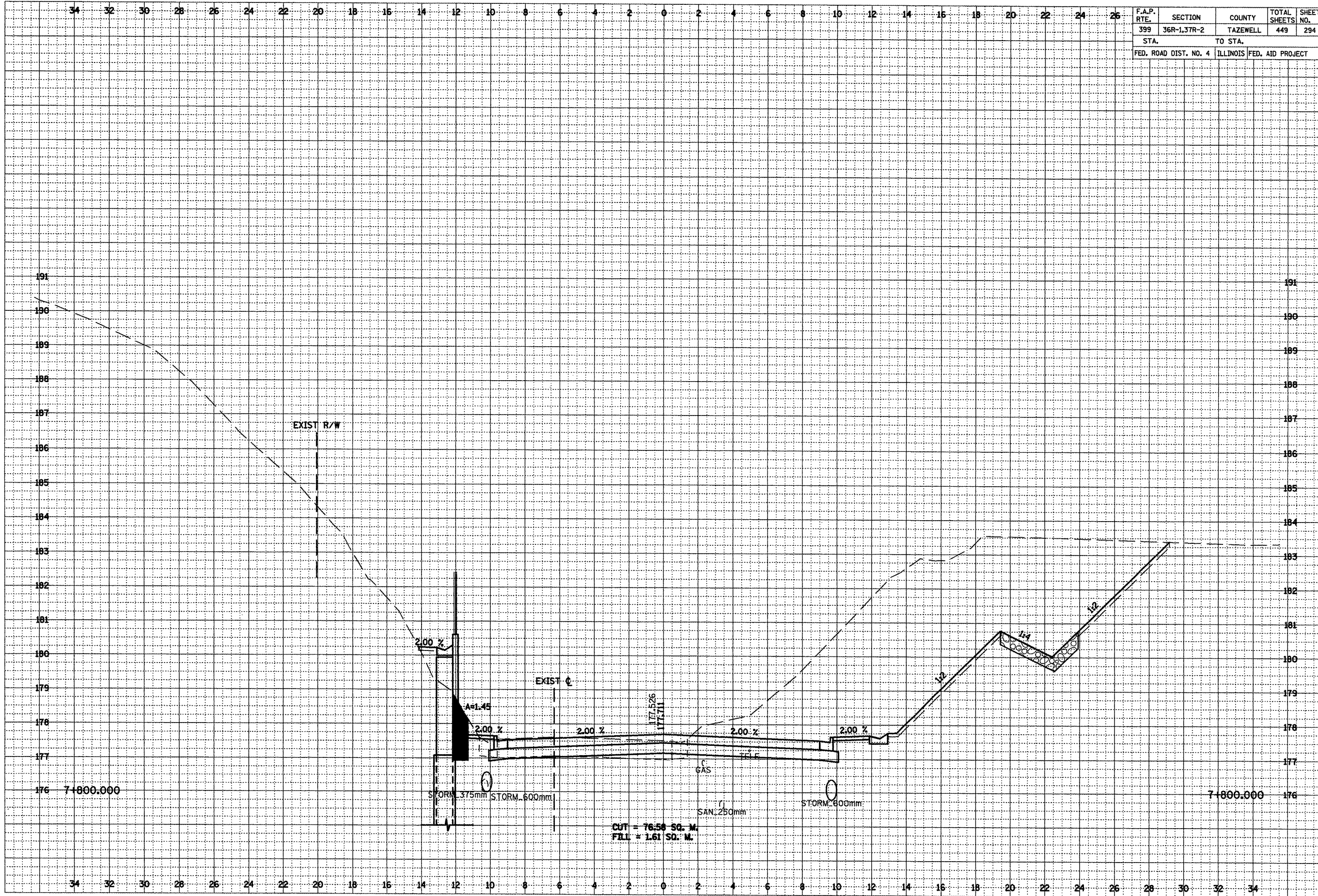
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1.37R-2	TAZEWELL	449	293
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

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

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



***LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	294
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

ORIGINAL SURVEY NO. _____
 DATE _____
 BY _____
 CHECKED _____
 APPROVED _____
 TITLE _____
 NO. _____

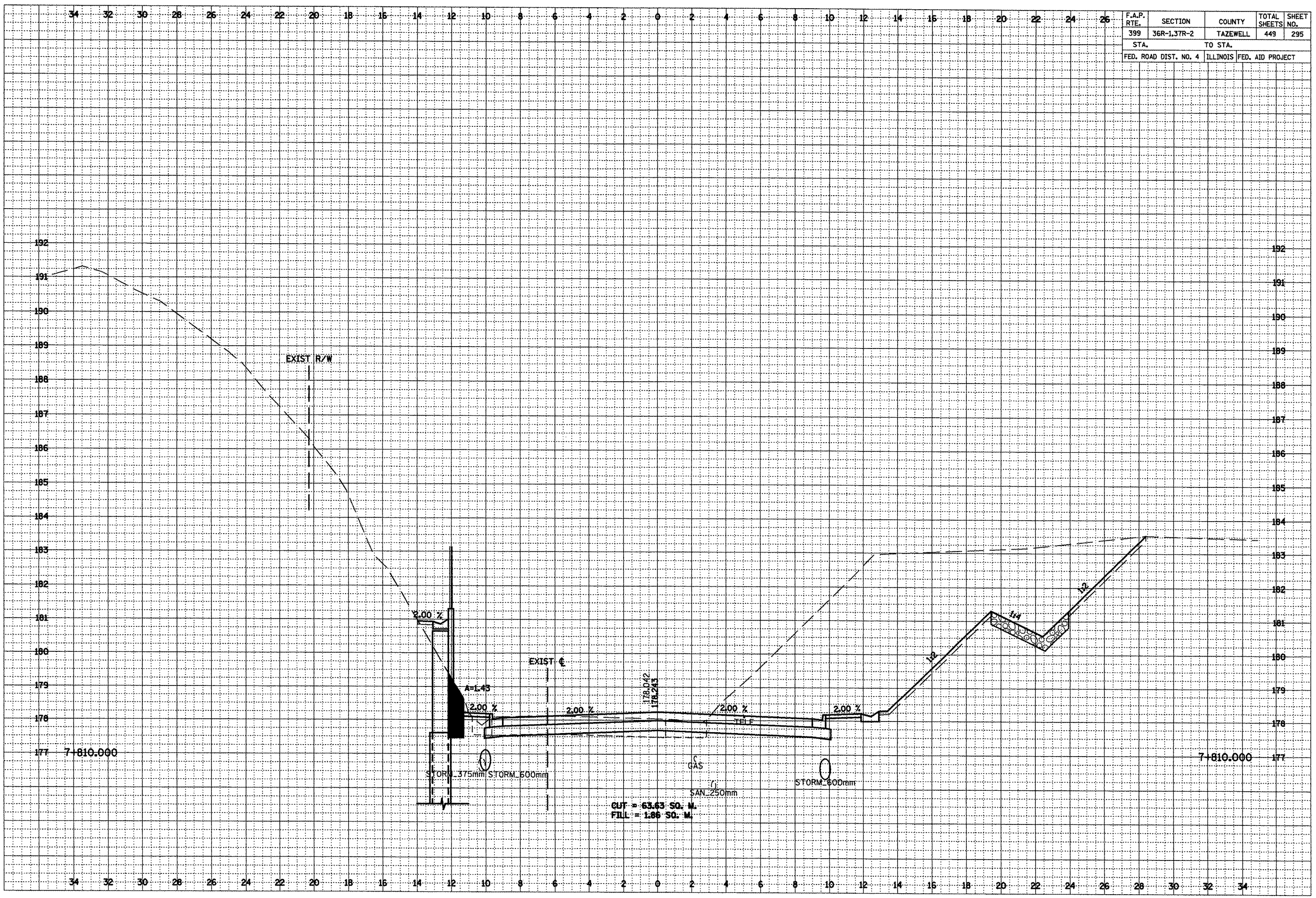
ORIGINAL SURVEY NO. _____
 DATE _____
 BY _____
 CHECKED _____
 APPROVED _____
 TITLE _____
 NO. _____

***LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	295
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

FINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	

ORIGINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	

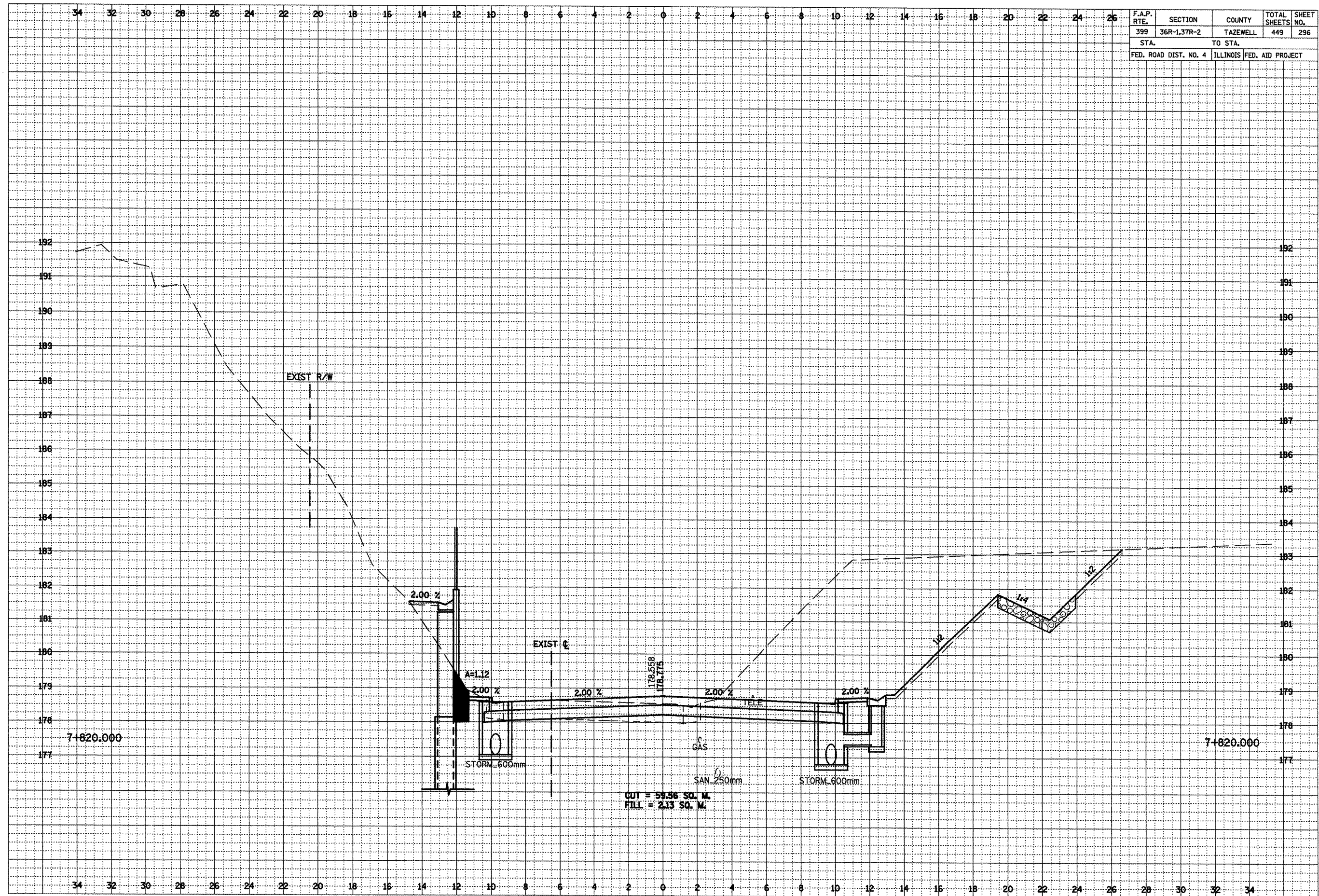


***LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.

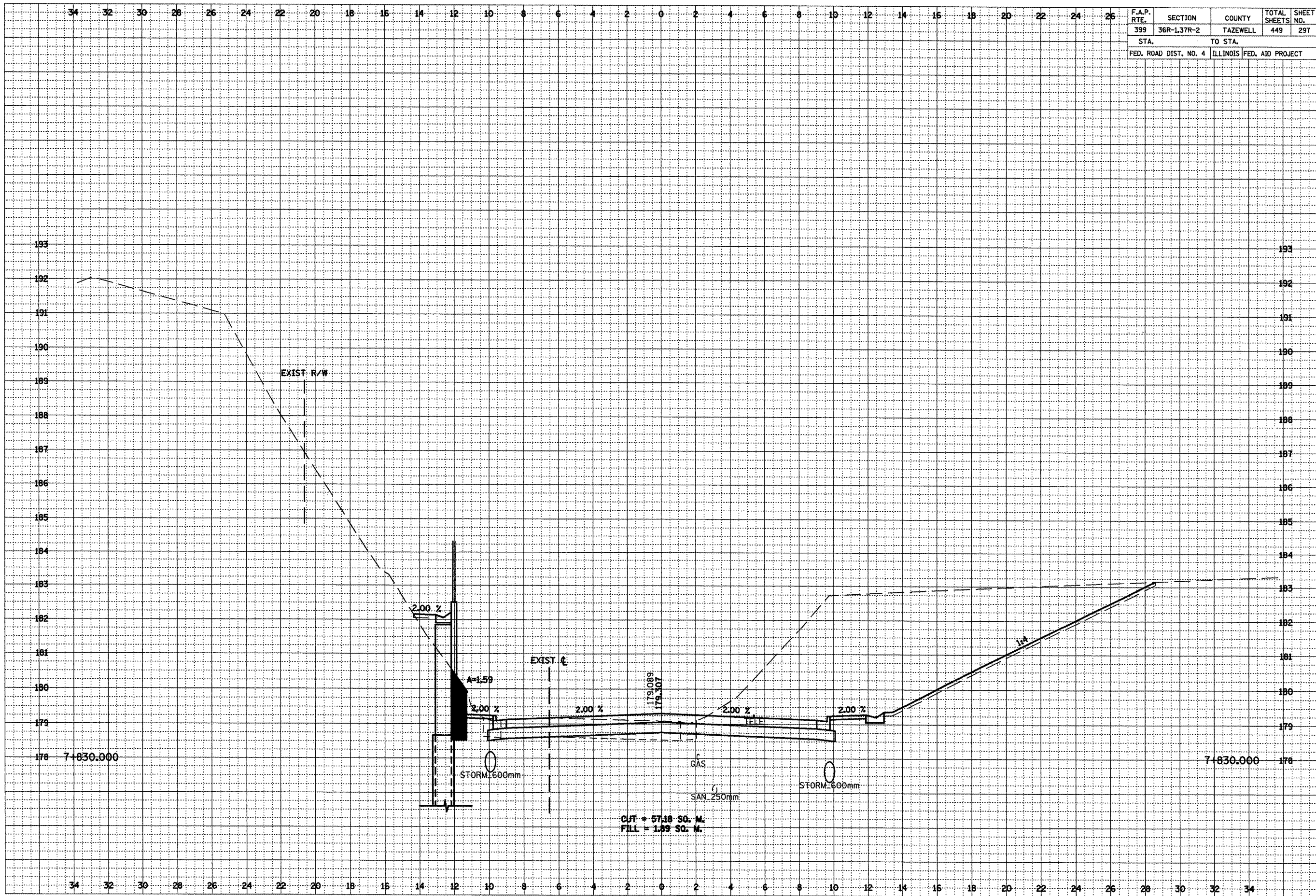
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	296
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

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

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



***LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.

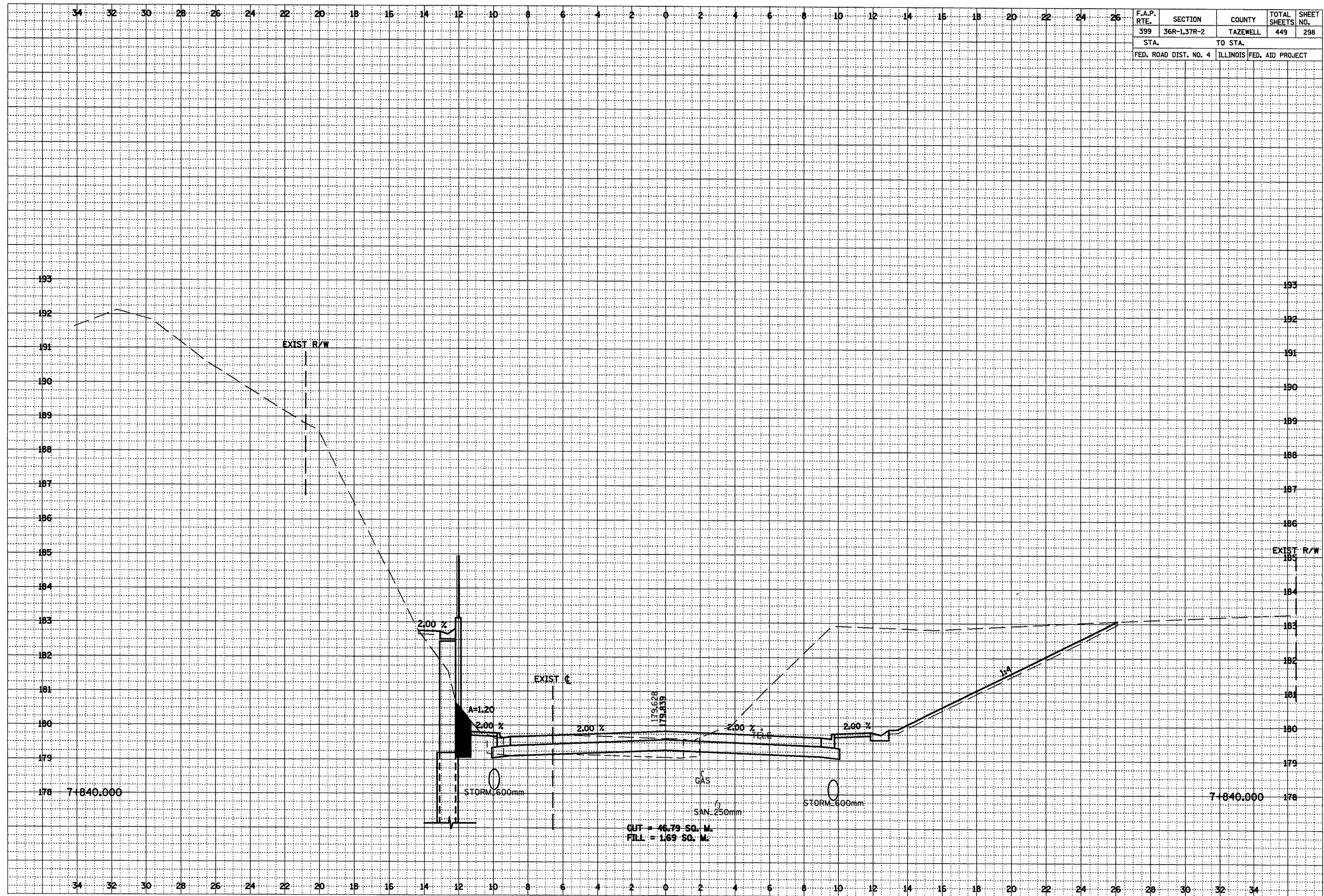


***LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
399	36R-1,37R-2	TAZEWELL	449	298
STA.		TO STA.		
FED. ROAD DIST. NO. 4		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
BY	
REVIEWED	
DATE	
NOTE BOOK	
NO.	
AREAS CHECKED	

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



***LOCATION OF EXISTING UTILITIES ARE APPROXIMATE.

