







Illinois Department  
of Transportation  
Division of Highways

### ROCK CORE LOG

Page 3 of 3

Date 10/11/21

ROUTE FAP 821 DESCRIPTION I-57 / I-64 Interchange at IL-15 LOGGED BY KEG

SECTION (41-3HB-1) I LOCATION Mt. Vernon, Illinois

COUNTY Jefferson CORING METHOD NX

STRUCT. NO. 041-0025 CORING BARREL TYPE & SIZE  
 Station 772+07  
 Core Diameter \_\_\_\_\_ in  
 Top of Rock Elev. 479.35 ft  
 Station 529+60.23 Begin Core Elev. 474.35 ft  
 Offset 0.0 ft  
 Ground Surface Elev. 489.85 ft

DEPTH (ft)	CORE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
450.85	6	100	82	3	
448.02					
445					
440					
435					
430					
425					
420					
415					
410					
405					
400					
395					
390					
385					
380					
375					
370					
365					
360					
355					
350					
345					
340					
335					
330					
325					
320					
315					
310					
305					
300					
295					
290					
285					
280					
275					
270					
265					
260					
255					
250					
245					
240					
235					
230					
225					
220					
215					
210					
205					
200					
195					
190					
185					
180					
175					
170					
165					
160					
155					
150					
145					
140					
135					
130					
125					
120					
115					
110					
105					
100					
95					
90					
85					
80					
75					
70					
65					
60					
55					

Color pictures of the cores \_\_\_\_\_  
 Cores will be stored for examination until \_\_\_\_\_  
 The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)  
 BBS, form 138 (Rev. 8-99)



Illinois Department  
of Transportation  
Division of Highways

### SOIL BORING LOG

Page 1 of 3

Date 10/8/21

ROUTE FAP 821 DESCRIPTION I-57 / I-64 Interchange at IL-15 LOGGED BY KEG

SECTION (41-3HB-1) I LOCATION Mt. Vernon, Illinois

COUNTY Jefferson DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 041-0025  
 Station 772+07  
 BORING NO. ST-4  
 Station 530+96.30  
 Offset 43.2 ft RT  
 Ground Surface Elev. 494.47 ft

DEPTH (ft)	DESCRIPTION	BLOW COUNT (blows/ft)	UNIFORMITY COEFFICIENT (Cu)	MOISTURE (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter Upon Completion After (Hrs.)
492.5	SILTY CLAY - Gray, stiff, with some sand	5	4.0	20				
486.5	CLAY - Brown and gray, stiff, with lignite stains and some sand	5	P					
481.5		3	1.4	21				
479.5		6	S					
475		1	2.1	18				
470		4	B					
465		6						
460	SHALE - Brown orange and gray, soft, weathered with encrusted sandstone fragments	1	2.6	24				
455		3	B					
450		6						
445	SHALEY CLAY - Gray and brown, hard, with weathered sandstone fragments	4	-	16				
440		12						
435		28						
430	SHALE - Brown and gray, soft, with encrusted sandstone fragments	11	-	15				
425		33						
420		50/5"						
415	Borehole continued with rock coring.							

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)

MODEL: 041-0121 - 046\_Soil Boring and Rock Core Log - IV (Sheet)  
 FILE NAME: p:\engineering\p\2021\046\_Soil Boring and Rock Core Log - IV (Sheet).dwg



USER NAME = Brian Bond	DESIGNED - DAC	REVISED -
PLOT SCALE = N/A	DRAWN - DAC	REVISED -
PLOT DATE = 12/10/2024	CHECKED - FAS	REVISED -
	DATE - DEC 2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING AND ROCK CORE LOG - IV  
STRUCTURE NO. 041-0121

SCALE: SHEET 46 OF 48 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	603
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation  
Division of Highways

### ROCK CORE LOG

Page 2 of 3

Date 10/8/21

ROUTE FAP 821 DESCRIPTION I-57 / I-64 Interchange at IL-15 LOGGED BY KEG

SECTION (41-3HB-1) I LOCATION Mt. Vernon, Illinois

COUNTY Jefferson CORING METHOD NX

STRUCT. NO. 041-0025 CORING BARREL TYPE & SIZE  
Station 772+07  
Core Diameter \_\_\_\_\_ in  
Top of Rock Elev. 481.47 ft  
Begin Core Elev. 479.47 ft  
BORING NO. ST-4  
Station 530+96.30  
Offset 43.2 ft RT  
Ground Surface Elev. 494.47 ft

DEPTH (ft)	CORER (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
479.47	1	82	72	5.6	
					SHALE - Gray, hard becomes brown, soft and weathered becomes moderately hard
-20	2	100	82	4.4	
					becomes gray, soft and slightly weathered becomes moderately hard
-25	3	100	83	2.4	
467.47					LIMESTONE - gray, moderately hard, weathered becomes moderately hard, not weathered
464.47	4	100	75	3.4	
463.27					SHALE - gray, soft, weathered
462.77					LIMESTONE - gray, moderately hard SHALE - Gray, soft, weathered with encrusted limestone becomes moderately hard becomes hard
-35					

Color pictures of the cores \_\_\_\_\_  
Cores will be stored for examination until \_\_\_\_\_  
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)



Illinois Department of Transportation  
Division of Highways

### ROCK CORE LOG

Page 3 of 3

Date 10/8/21

ROUTE FAP 821 DESCRIPTION I-57 / I-64 Interchange at IL-15 LOGGED BY KEG

SECTION (41-3HB-1) I LOCATION Mt. Vernon, Illinois

COUNTY Jefferson CORING METHOD NX

STRUCT. NO. 041-0025 CORING BARREL TYPE & SIZE  
Station 772+07  
Core Diameter \_\_\_\_\_ in  
Top of Rock Elev. 481.47 ft  
Begin Core Elev. 479.47 ft  
BORING NO. ST-4  
Station 530+96.30  
Offset 43.2 ft RT  
Ground Surface Elev. 494.47 ft

DEPTH (ft)	CORER (#)	RECOVERY (%)	R.Q.D. (%)	CORE TIME (min/ft)	STRENGTH (tsf)
456.47	5	100	60	4	
					SHALE - Gray, soft, weathered (continued) becomes weathered and soft
454.47					LIMESTONE - Gray, soft, weathered
-40					End of Boring
-45					
-50					
-55					

Color pictures of the cores \_\_\_\_\_  
Cores will be stored for examination until \_\_\_\_\_  
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

MODEL: 041-0121 - 047\_Soil Boring and Rock Core Log - V (Sheet)  
FILE NAME: p:\cmt\eng\proj\041-0121-047\_Soil Boring and Rock Core Log - V



USER NAME = Brian Bond	DESIGNED - DAC	REVISED -
PLOT SCALE = N/A	DRAWN - DAC	REVISED -
PLOT DATE = 12/10/2024	CHECKED - FAS	REVISED -
	DATE - DEC 2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING AND ROCK CORE LOG - V  
STRUCTURE NO. 041-0121

SCALE: SHEET 47 OF 48 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	604
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				



**Illinois Department of Transportation**  
Division of Highways

# SOIL BORING LOG

Page 1 of 1

Date 10/12/21

ROUTE FAP 821 DESCRIPTION I-57 / I-64 Interchange at IL-15 LOGGED BY KEG

SECTION (41-3HB-1) I LOCATION Mt. Vernon, Illinois

COUNTY Jefferson DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. 041-0025 D E L U M  
Station 772+07 P L O C O I  
BORING NO. ST-5 H S Qu S T  
Station 530+81.07 T W S Qu T  
Offset 43.2 ft LT  
Ground Surface Elev. 499.67 ft (ft) (6") (tsf) (%)

Soil Description	Depth (ft)	Blow Count (6")	UCS (tsf)	MOIST (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After Hrs. (ft)	DEP (ft)	BLW (6")	UCS (tsf)	MOIST (%)
TOPSOIL - 2"	499.5						479.2							
SHALEY CLAY - Brown and gray, medium-stiff, with lignite stains	1													
	3	1.6	22									50/1"	-	-
	4	B												
	4													
no more lignite stains, with weathered sandstone fragments	1													
	2	2.5	22											
	5	P												
SHALE - gray, moderately hard	8	2.7	21											
	10	S												
4" of Coal seams at 9'	3													
	9	-	27											
becomes soft	17													
	26													
1" of sandstone seams at 11.5'	50/3"	-	9											
	-													
	33													
	50/1"	-	7											
	-													
	38													
	50/3"	-	6											
	-													
	22													
	49		9											
	50/2"													
	-20													

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)

MODEL: 041-0121 - 048\_Soil Boring and Rock Core Log - VI (Sheet)  
 FILE NAME: p:\engineering\p\2021\041-0121-048\_Soil Boring and Rock Core Log - VI



USER NAME = Brian Bond	DESIGNED - DAC	REVISED -
PLOT SCALE = N/A	DRAWN - DAC	REVISED -
PLOT DATE = 12/10/2024	CHECKED - FAS	REVISED -
	DATE - DEC 2024	REVISED -

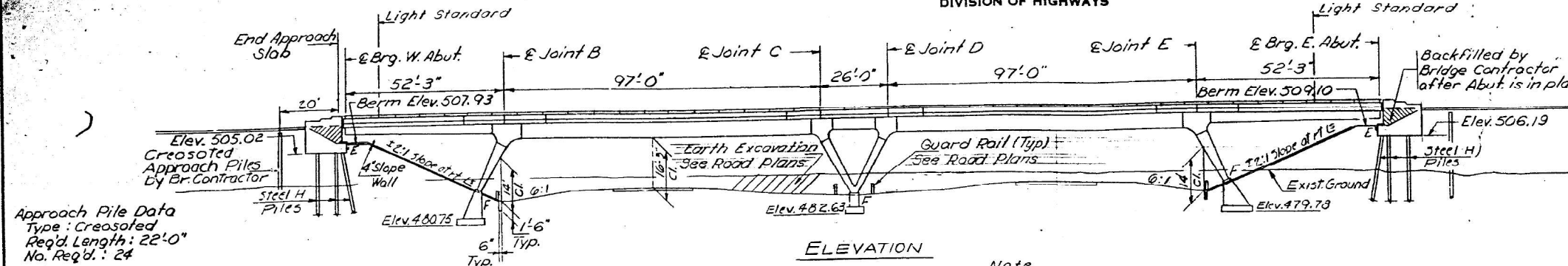
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SOIL BORING AND ROCK CORE LOG - VI**  
**STRUCTURE NO. 041-0121**

SCALE: SHEET 48 OF 48 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	13-2(N-2, TS-1); (41-3)HB2	JEFFERSON	787	605
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				

B.M. Dike & Washer in roof of 32' Twin Elm  
212 Rt. Sta. 771+17 Elev. 495.23



Approach Pile Data  
Type: Creosoted  
Reqd. Length: 22'-0"  
No. Req'd.: 24

Note  
Lighting system under  
separate contract.

**GENERAL NOTES**

Coarse aggregate to be used in parapet handrails and end post must be free of chert, flint, limonite, lignite and soft sandstone.

The concrete floor slab shall be finished in accordance with Art. 51.19 of the Standard Specs. Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58# per 100 Sq. Ft. All reinforcement bars shall be lapped 20 diameters unless otherwise shown.

All Structural Steel shall conform to A.S.T.M. Designation A-36.

All welding shall conform to the current specifications for Welded Highway and Railway Bridges of the American Welding Society.

Rivets 3/4" & open holes 1/8" unless otherwise noted.

Anchor bolts shall be set before riveting diaphragms over supports.

Exposed surfaces of the expansion devices, inaccessible after erection, shall receive two shop coats of red lead paint. All other surfaces shall be given one shop coat of red lead paint. Anchor studs shall not be painted.

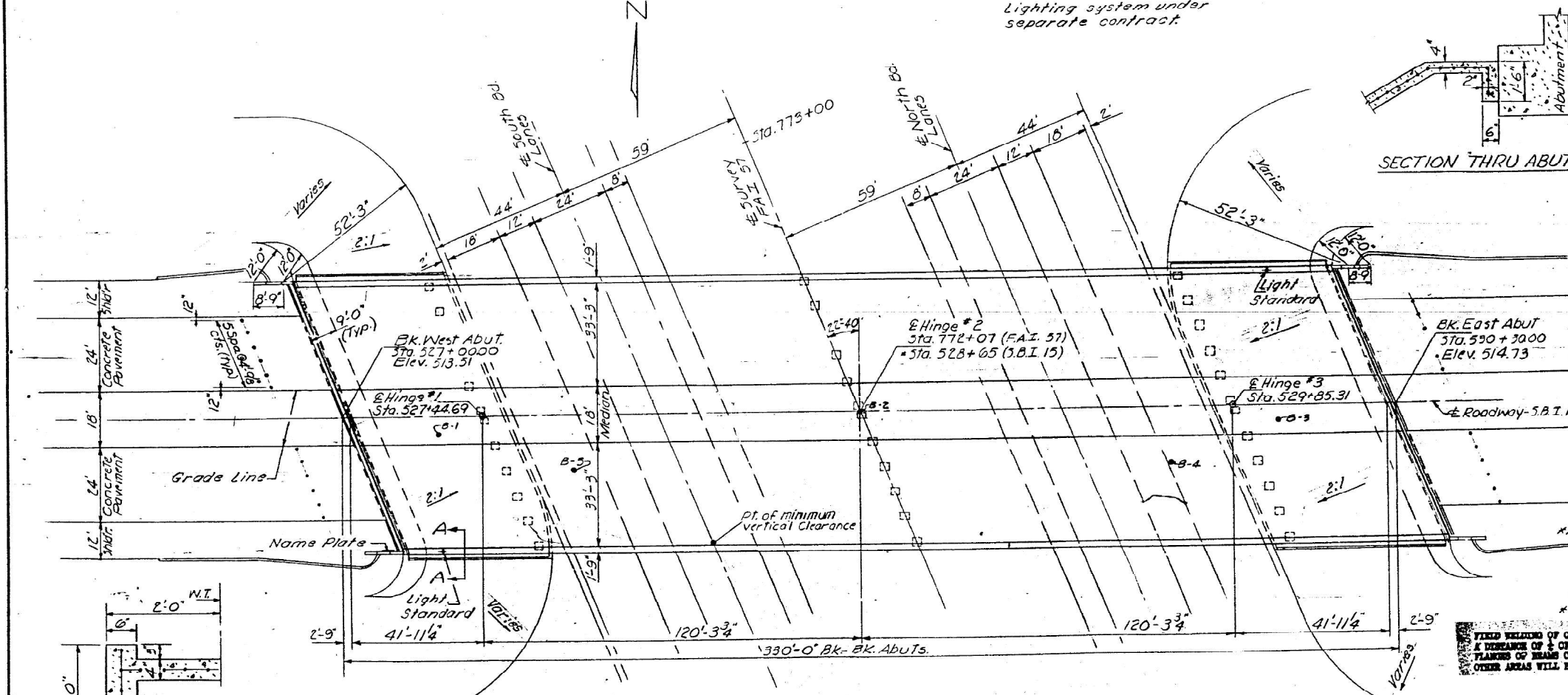
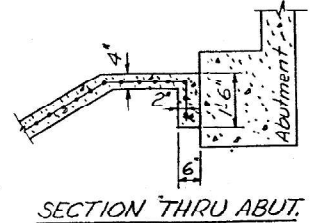
Expansion devices are included in the quantity of structural steel. Est. weight = 4070 Lbs.

Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of paint. See Special Provisions for field paint.

The contractor shall drive one steel test pile in a permanent location at E. Abut. as directed by Engineer before ordering the remainder of piles. All steel piles shall be driven to refusal.

Excavation for portions of structures in the embankments shall not be classified.

Permanent forms will not be permitted in forming the concrete deck.



**TOTAL BILL OF MATERIAL**

Items	Unit	Super.	Sub.	Total
Class A Excavation for Struct.	Cu. Yds.		1170	1170
Class X Concrete	Cu. Yds.	819.2	596.0	1415.2
Structural Steel	Lbs.	974030		974030
Aluminum Handrail	Lin. Ft.	653		653
Reinforcement Bars	Lbs.	211,080	52,580	263,660
Creosoted Piles (20' to 38')	Lin. Ft.		528	528
Steel Piles (BBP36)	Lin. Ft.		1085	1085
Test Piles Steel (BBP36)	Each		1	1
Name Plates	Each		1	1
Slope Walls (4')	Sq. Yds.		1200	1200
Protective Coat	Sq. Yds.	3450		3450
Bridge Seat Sealant	Lump Sum		0.33	0.33
Rock Excavation for Struct.	Cu. Yds.		230	230

\* Includes Excavation for Slope Wall.  
\*\* At Abut. only.



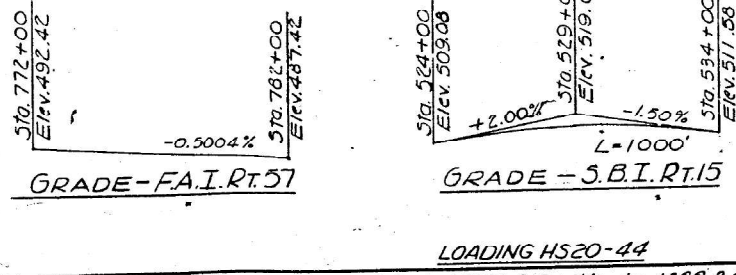
# FOR INFORMATION ONLY

DESIGNED: *W. H. Haring*  
CHECKED: *John W. Clark Jr.*  
DRAWN: *Thomas A. Lewis*  
CHECKED: *John W. Clark Jr.*

EXAMINED: *W. J. Haring*  
PASSED: *W. J. Haring*  
APPROVED: *W. J. Haring*

July 1 1966

STATION 772+07  
BUILT 196 BY  
STATE OF ILLINOIS  
F.A.I. RT. 57 SEC. 41-3HB-1  
F.A. PROJ. I-16-57.3 (64)  
LOADING HS20  
NAME PLATE  
See Std. 2113-1



**DESIGN STRESSES**

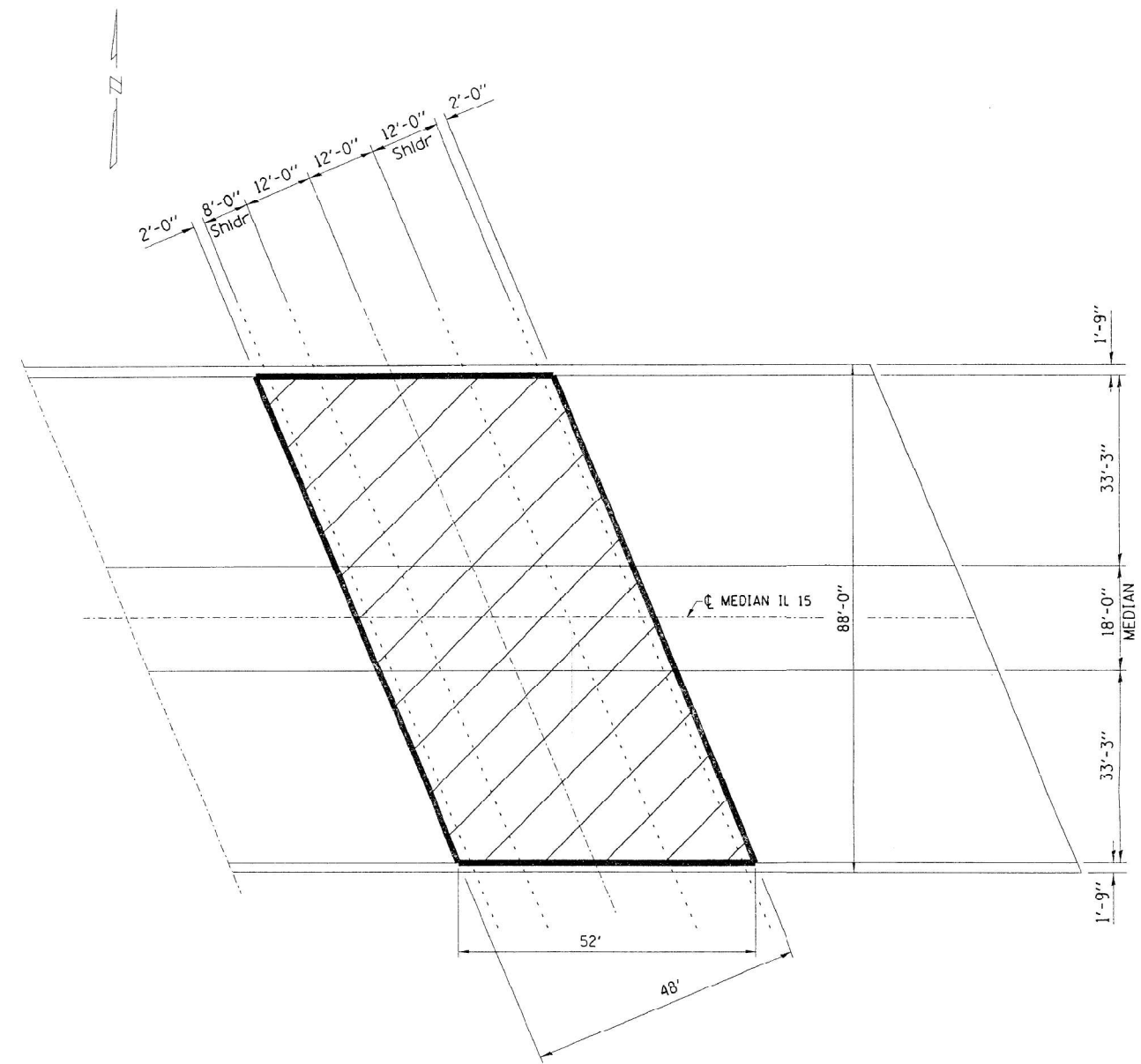
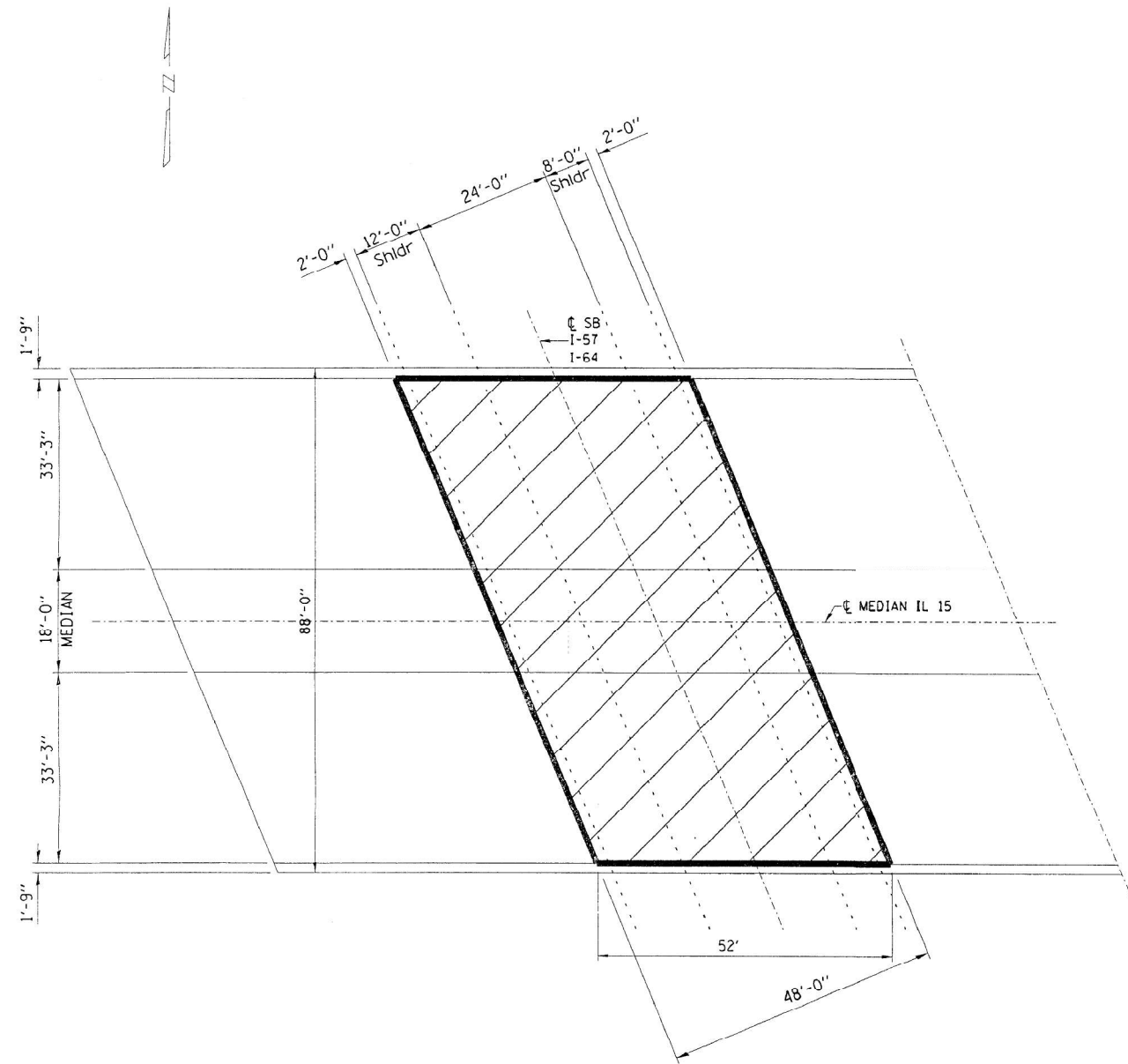
$F_c = 1400$  psi. (Super. & Sub)  
 $F_s = 20,000$  psi. (Reinf.)  
 $F_s = 20,000$  psi. (Struct.)  
 $V.C. = 75$  psi. (Ftgs.)  
 $n = 10$   
Allowable 4 Defl. 1000  
Max. footing pressure  
5520 p.s.f. (Hinges 1 & 3)  
6500 p.s.f. (Hinge 2)

PROJ. I-16-57.3 (64) 94  
GENERAL PLAN & ELEVATION  
S.B.I. RT. 15 OVER F.A.I. RT. 57  
F.A.I. RT. 57 SEC. 41-3HB-1  
JEFFERSON COUNTY  
STATION 772+07

Rev. 9-15-66 W.H. Class X Conc. changed from 1363.0 cu. yds. to 1363.3 cu. yds. Reinf. bars changed from 258,830 lbs. to 258,880 lbs. Two Light Stds. added.

Rev. 1-25-67 W.H. Class X Conc. changed from 1363.3 Cu. Yds. to 1366.2 Cu. Yds. Reinf. bars changed from 258,880 lbs. to 258,860 lbs.

Rev. 7-15-67 W.H. Barrow Excav. 33,920 Cu. Yds. removed. Class X Conc. changed from 1366.2 Cu. Yds. to 1415.2 Cu. Yds. Reinf. Bars changed



 PROTECTIVE SHIELD (PERMANENT)

 PROTECTIVE SHIELD (PERMANENT)

HALF PLAN - WEST

HALF PLAN - EAST

**FOR INFORMATION ONLY**

MODEL: S:\041-0121-041\_Existing Plans I [Sheet]  
 FILE NAME: p:\cmt\eng\p\2024\041-0121-041\_Existing Plans I\CADD\_Sheets\SI 041-0121-050\_Existing Plans II.dgn  
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PLOT SCALE = N/A	DRAWN - DAC	REVISED -
PLOT DATE = 11/15/2024	CHECKED - FAS	REVISED -
	DATE - NOV 2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

EXISTING BRIDGE PLANS - II

SCALE: SHEET 50 OF 50 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	607
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				

**DESIGN SPECIFICATIONS**

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

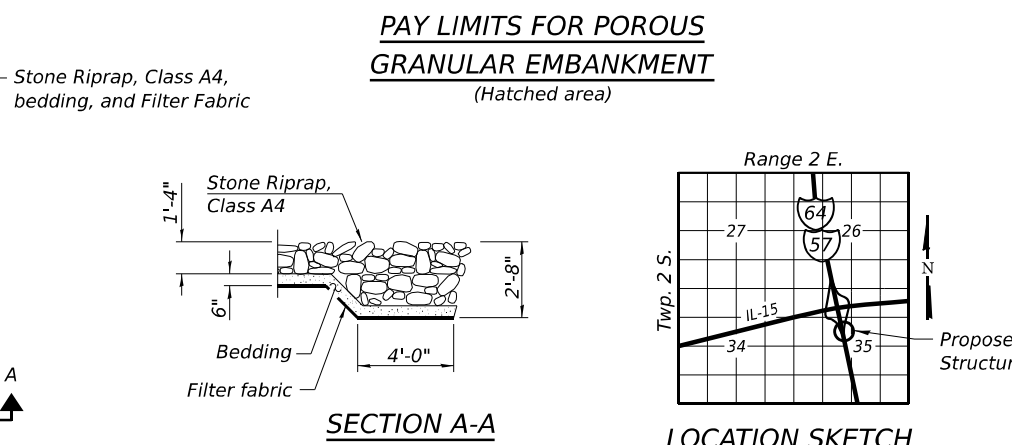
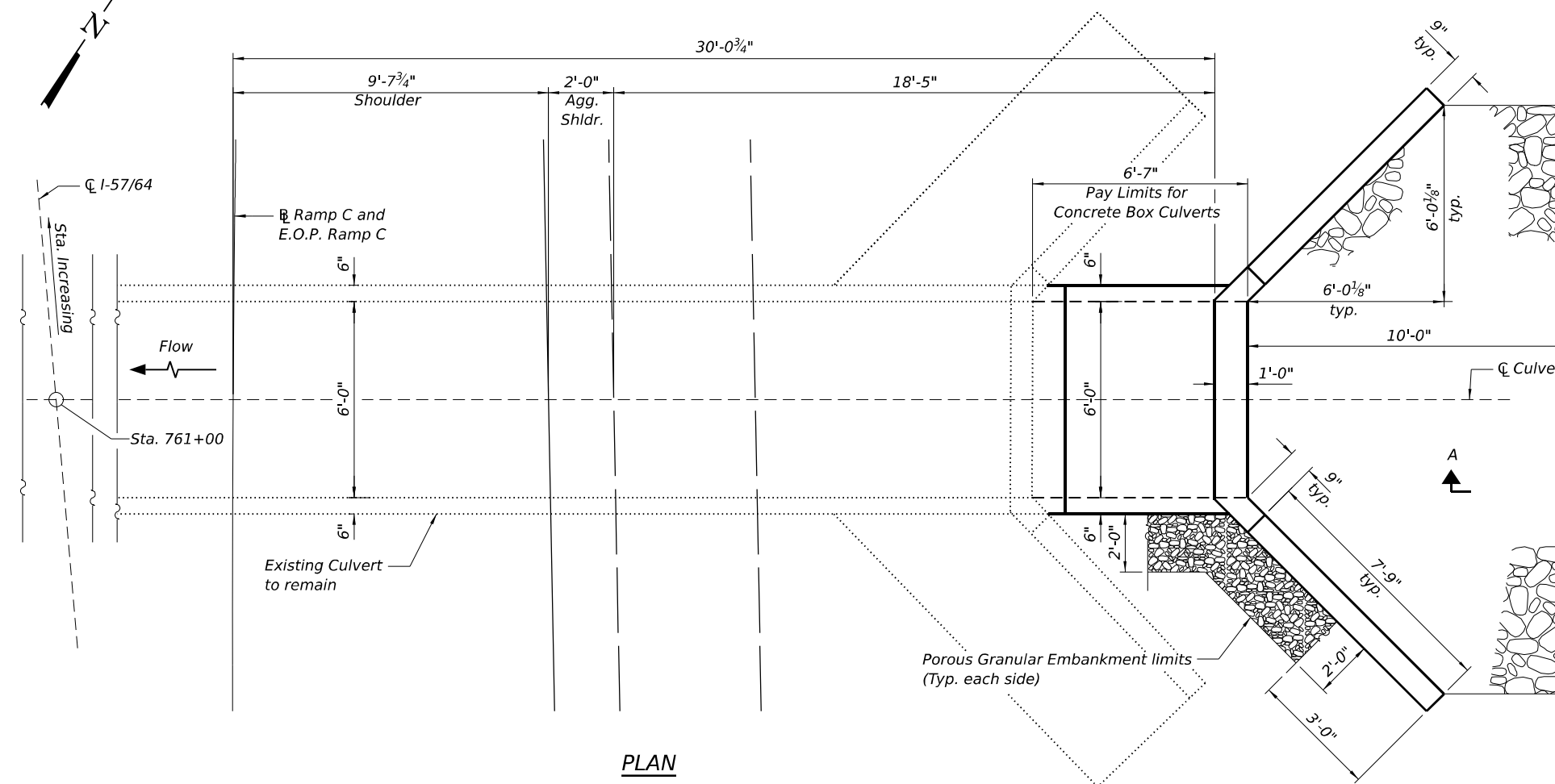
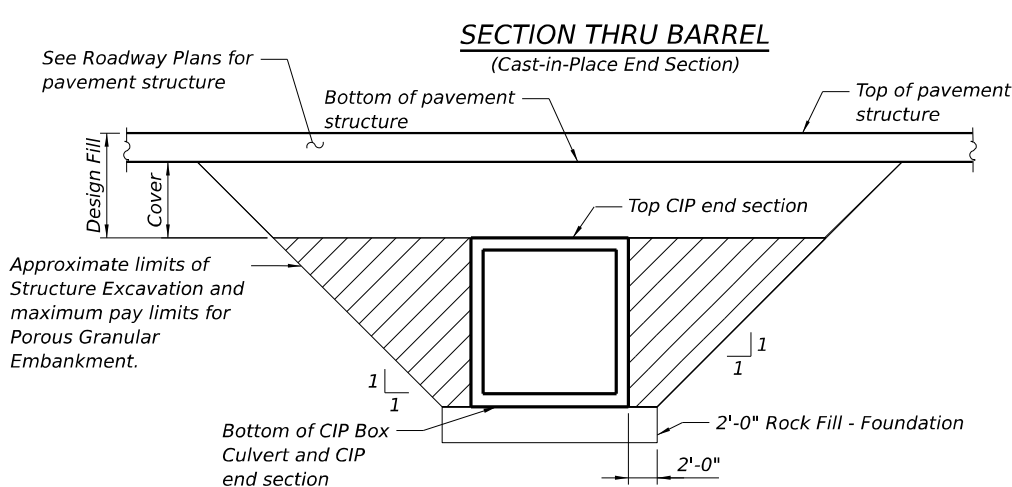
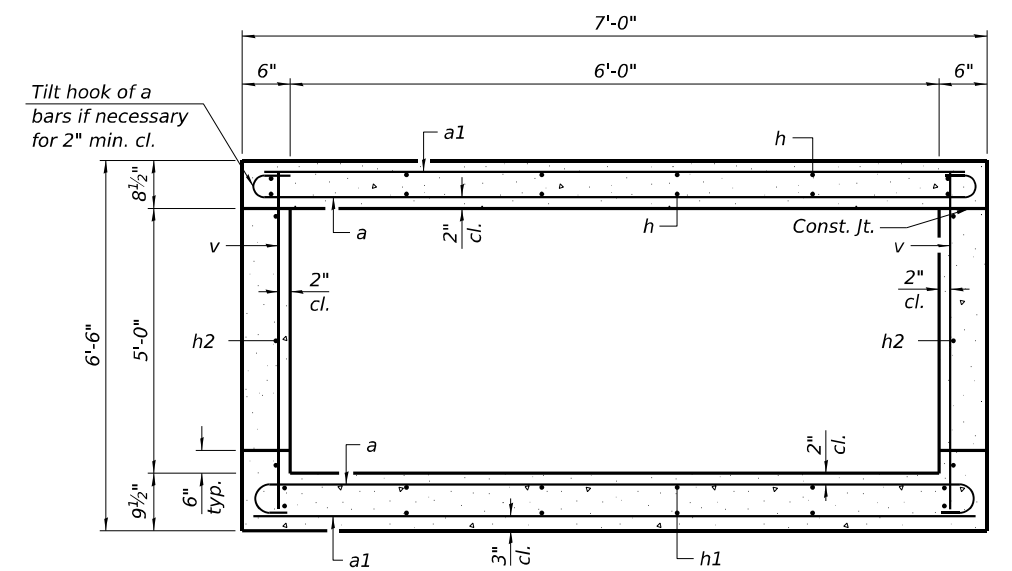
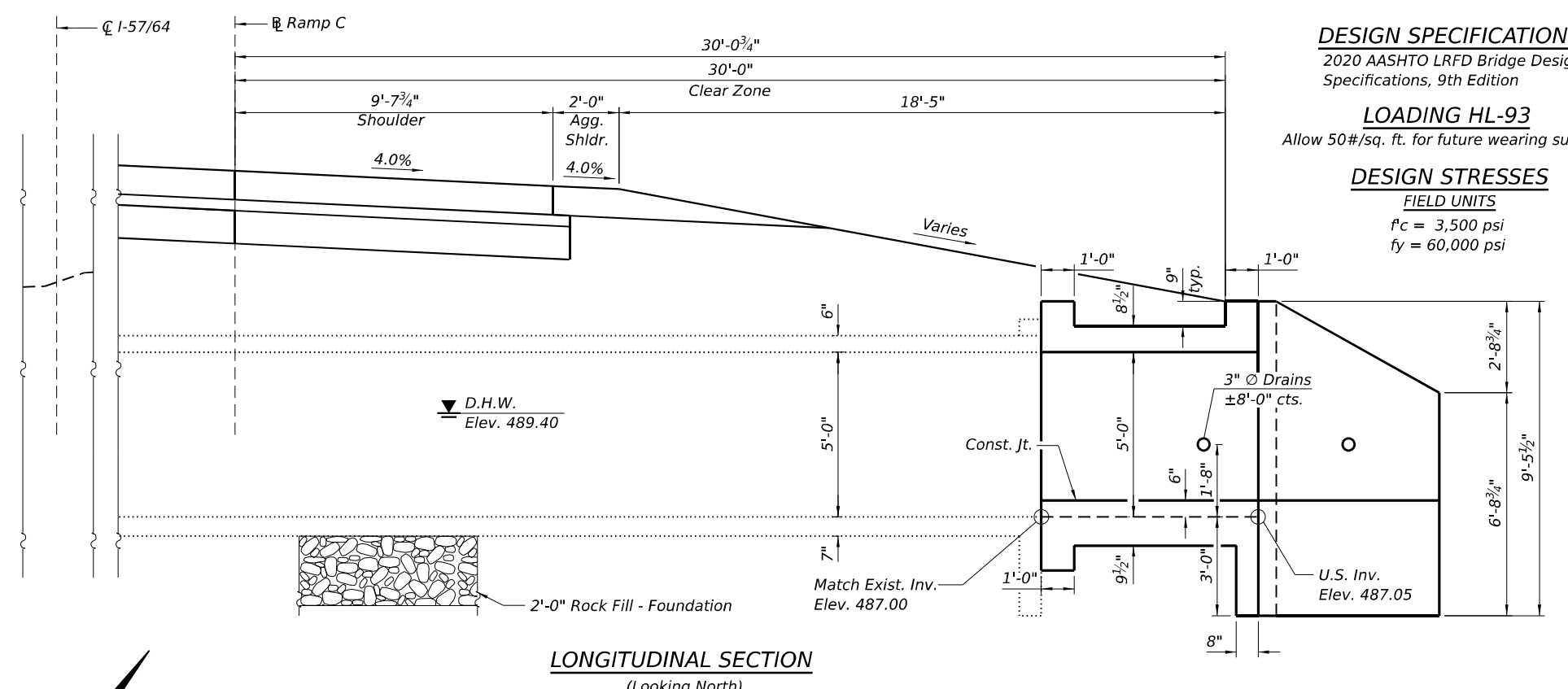
**LOADING HL-93**

Allow 50#/sq. ft. for future wearing surface.

**DESIGN STRESSES**

FIELD UNITS

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi



**HYDRAULIC DATA**

Drainage Area = 101.58 acres  
 Design Waterway Opening = 14.1 sq. ft.  
 Design Discharge = 94.2 cfs  
 Design Headwater Elevation = 489.40 ft  
 100 Year Discharge = 105.8 cfs  
 100 Year Headwater Elevation = 489.70 ft

**GENERAL PLAN & ELEVATION**  
 IL 15 OVER F.A.I. 57/64  
 F.A.P. RTE 821 - SEC. 13  
 13-2(N-1, TS-1); (41-3)HB2  
 JEFFERSON COUNTY  
 STATION 761+00.00

MODEL: Box Culvert-1\_Station\_761+00 (Sheet)  
 FILE NAME: p:\cmt\engineering\2024\11\13\cmt\connect-projects\documents\DOT2006601-00\6601\00\bridge\CADD\_Sheets\Box\_Culvert-1\_Station\_761+00.dgn



USER NAME = Brian Bond	DESIGNED - DAC	REVISED -
PLOT SCALE = N/A	DRAWN - DAC	REVISED -
PLOT DATE = 12/6/2024	CHECKED - BMB	REVISED -
	DATE - DEC 2024	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

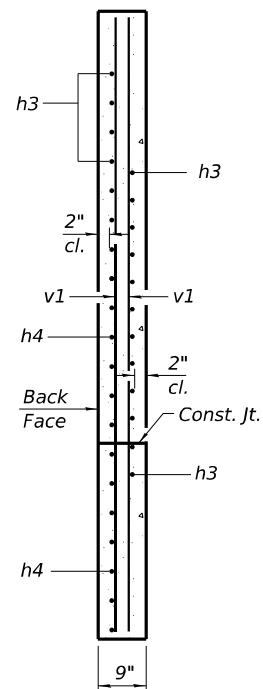
**GENERAL PLAN AND ELEVATION**  
**STA. 761+00.00**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

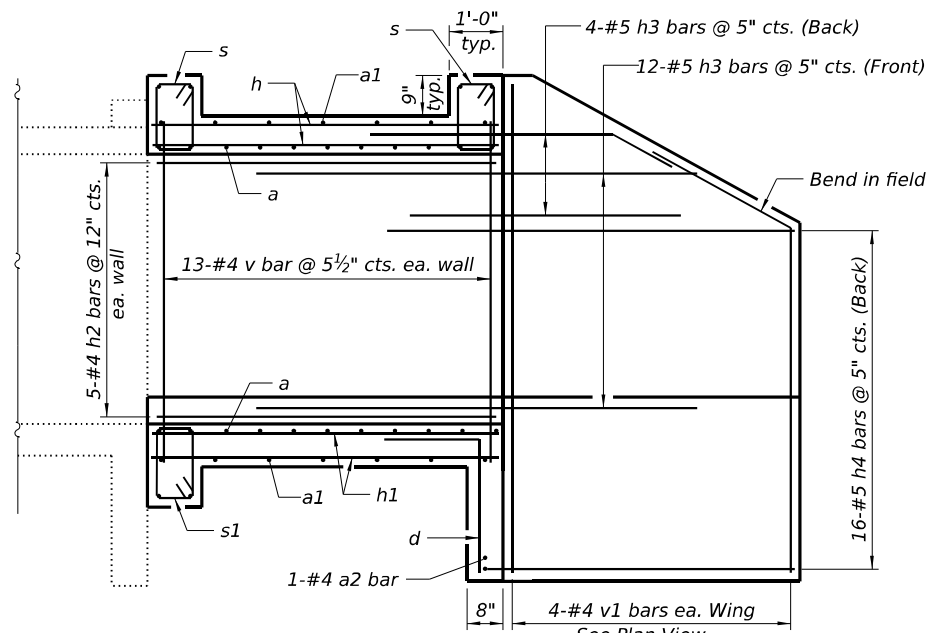
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	608
CONTRACT NO. 78483				

ILLINOIS FED. AID PROJECT

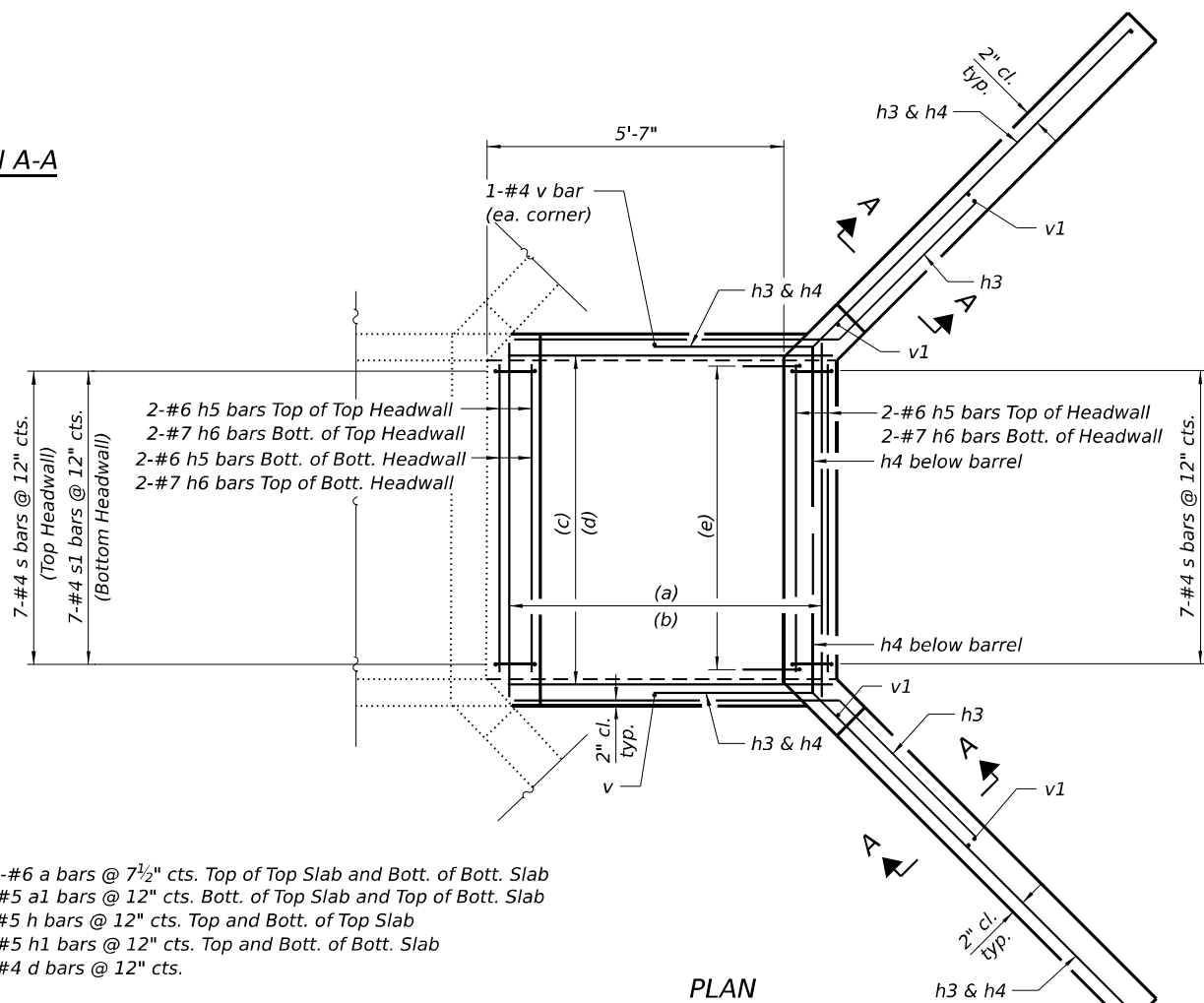




SECTION A-A



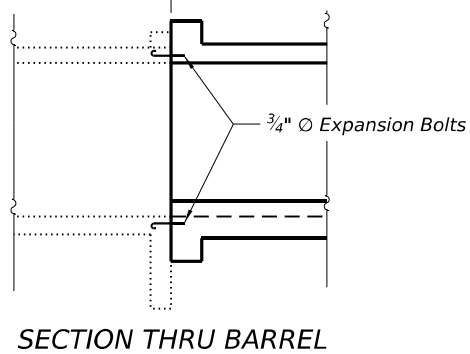
HALF LONGITUDINAL SECTION



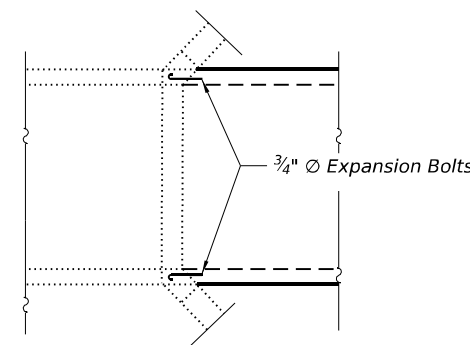
PLAN

- (a) 11-#6 a bars @ 7 1/2" cts. Top of Top Slab and Bott. of Bott. Slab
- (b) 7-#5 a1 bars @ 12" cts. Bott. of Top Slab and Top of Bott. Slab
- (c) 8-#5 h bars @ 12" cts. Top and Bott. of Top Slab
- (d) 8-#5 h1 bars @ 12" cts. Top and Bott. of Bott. Slab
- (e) 7-#4 d bars @ 12" cts.

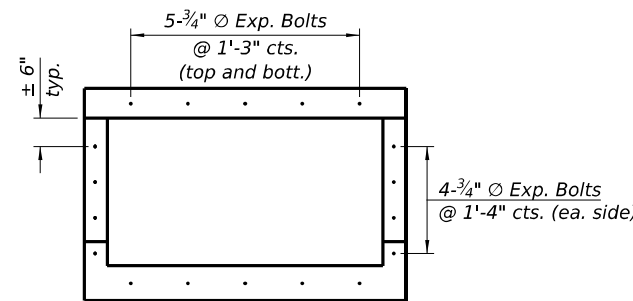
Existing Culvert Proposed Extension



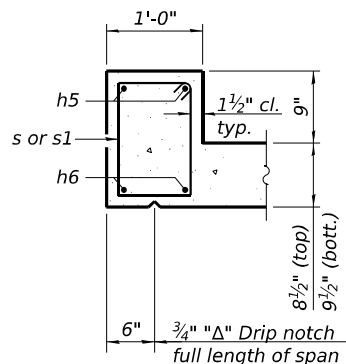
SECTION THRU BARREL



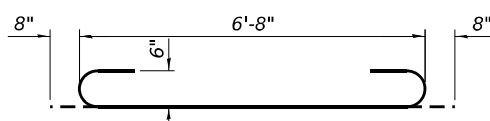
PLAN



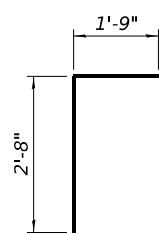
CROSS SECTION THRU BARREL  
TYPICAL EXPANSION BOLT DETAILS



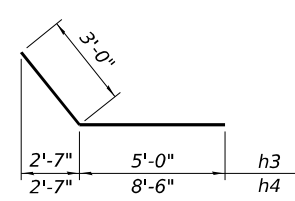
SECTION THRU HEADWALL



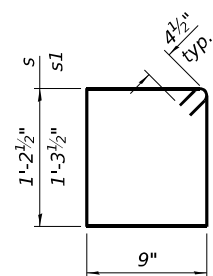
BAR a



BAR d



BARS h3 & h4



BARS s and s1

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a	22	#6	8'-0"		
a1	14	#5	6'-8"		
a2	1	#4	6'-8"		
d	7	#4	4'-5"		
h	16	#5	6'-3"		
h1	16	#5	6'-3"		
h2	10	#4	6'-3"		
h3	32	#5	8'-0"		
h4	32	#5	11'-6"		
h5	6	#6	5'-8"		
h6	6	#7	5'-8"		
s	14	#4	4'-8"		
s1	7	#4	4'-10"		
v	28	#4	6'-2"		
v1	8	#4	9'-1"		
Porous Granular Embankment				Cu. Yd.	18
Stone Riprap, Class A4				Sq. Yd.	27
Filter Fabric				Sq. Yd.	27
Removal and Disposal of Unsuitable Material for Structures				Cu. Yd.	20
Reinforcement Bars				Pound	1640
Expansion Bolts 3/4 Inch				Each	18
Concrete Box Culverts				Cu. Yd.	8.7
Rock Fill - Foundation				Ton	4

GENERAL NOTES

- The design fill height for this box is 4'-6".
- Drain holes shall be provided on exterior culvert walls with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
- Box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The Rock Fill Foundation will be filled 2 ft. below the Porous Granular Material. This area of rock fill is included in the Rock Fill - Foundation pay item.
- Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications.
- Contractor shall retain the backfill material during the construction of the CIP end sections, cost included in Porous Granular Embankment.
- The cast-in-place end section shall be tied to the existing barrel at each end using expansion bolts spaced as shown on this sheet.
- See Roadway plans for construction staging details.
- Contractor to verify thickness of top slab, bottom slab, and sidewalls.
- Existing box culvert headwall and wingwalls to remain in place.

MODEL: Box Culvert - 2\_Sla. 761+00 (Sheet)  
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 License No. 184-000613 © Copyright CMT, Inc.



USER NAME = Brian Bond	DESIGNED - DAC	REVISED -
PLOT SCALE = N/A	DRAWN - DAC	REVISED -
PLOT DATE = 12/6/2024	CHECKED - BMB	REVISED -
	DATE - DEC 2024	REVISED -

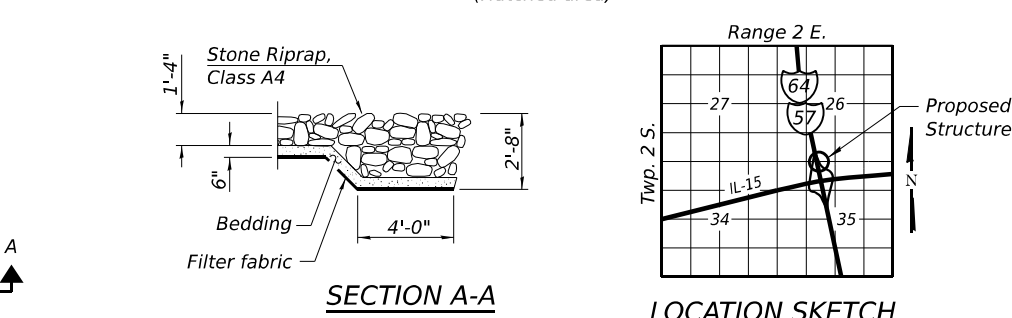
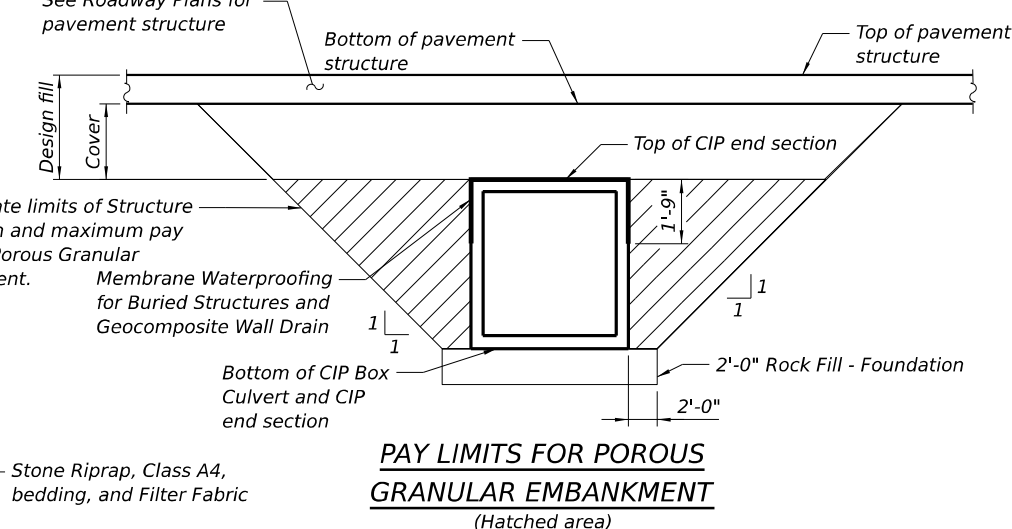
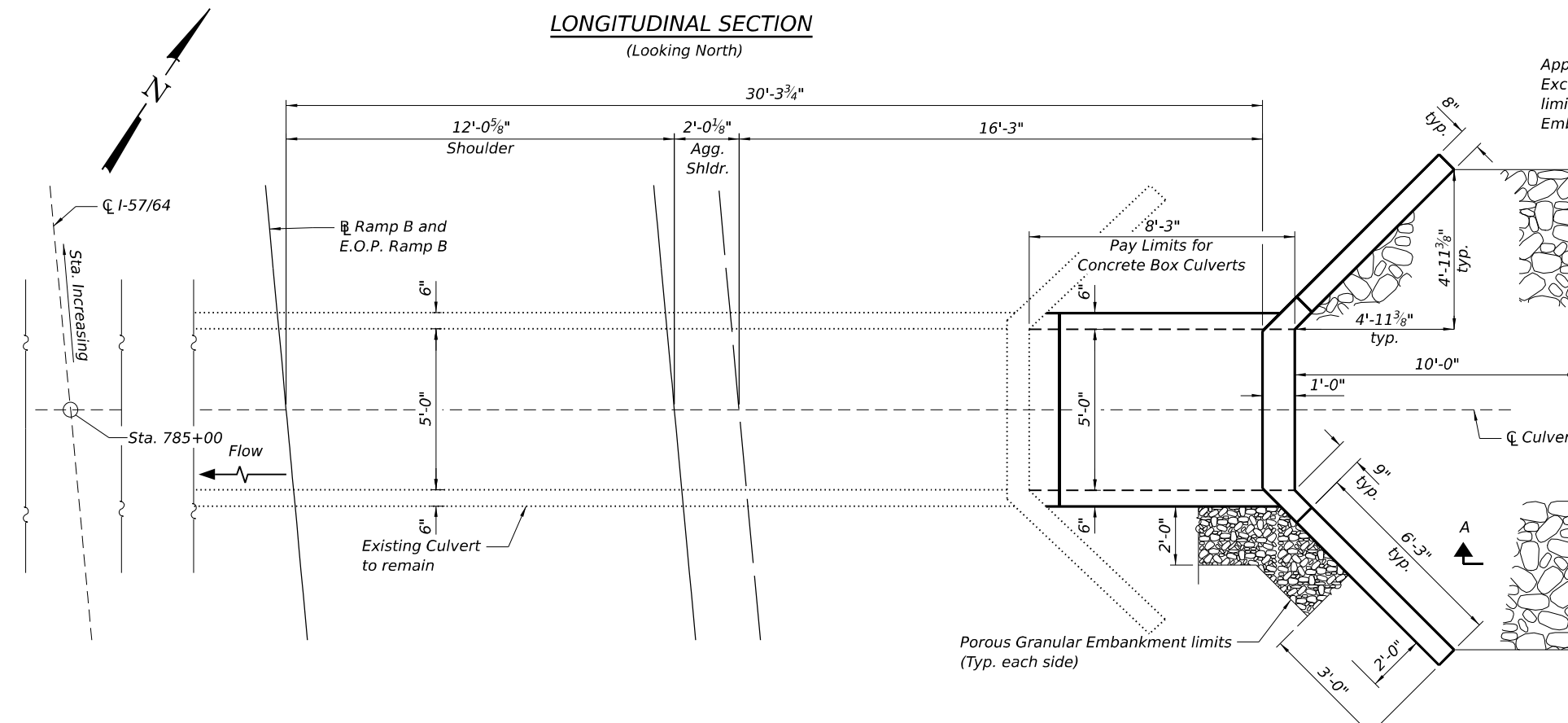
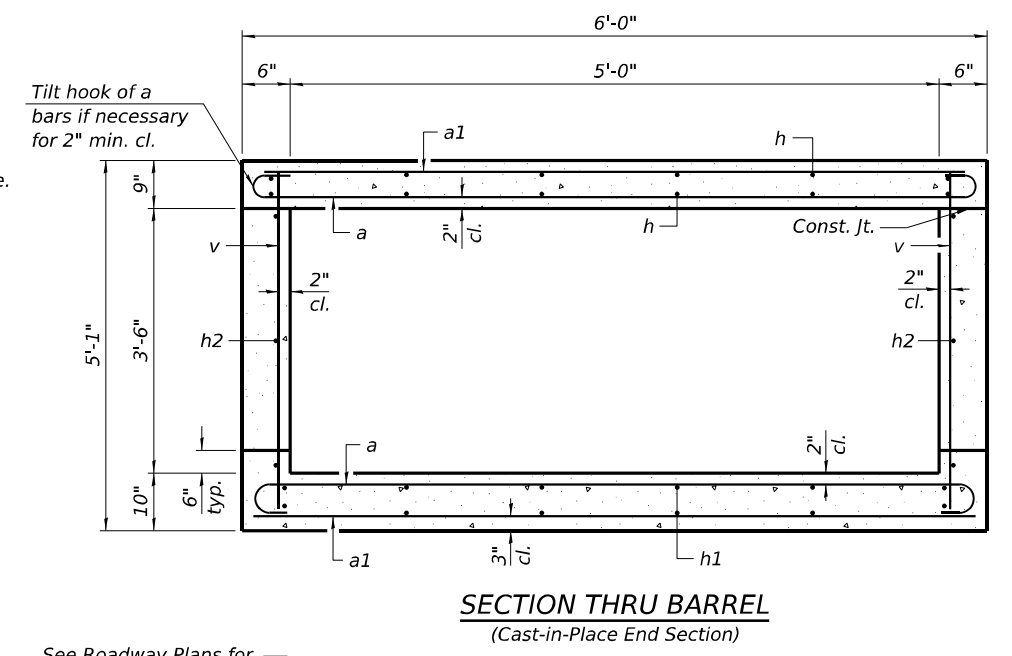
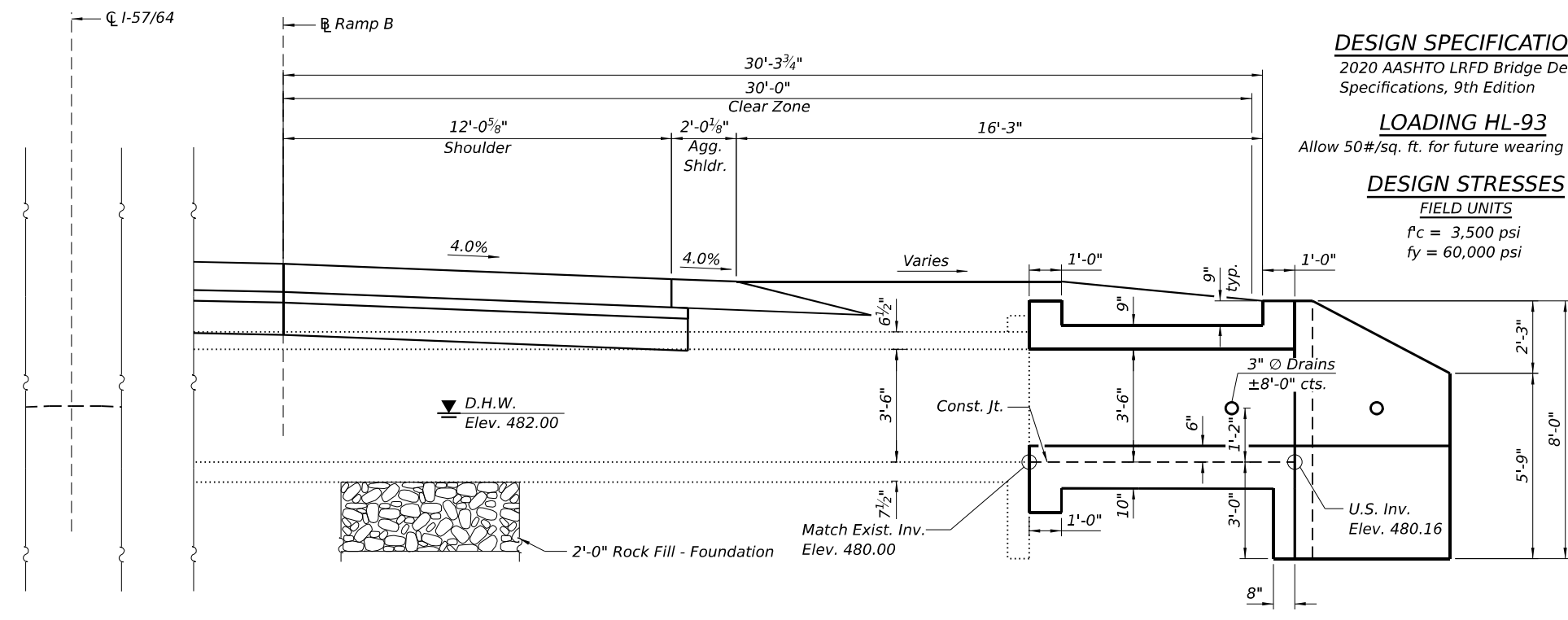
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS  
STA. 761+00.00

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	609
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				

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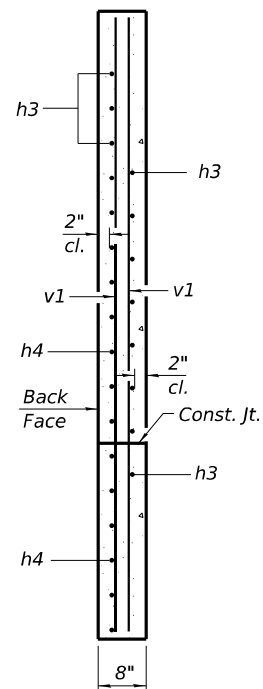


**HYDRAULIC DATA**

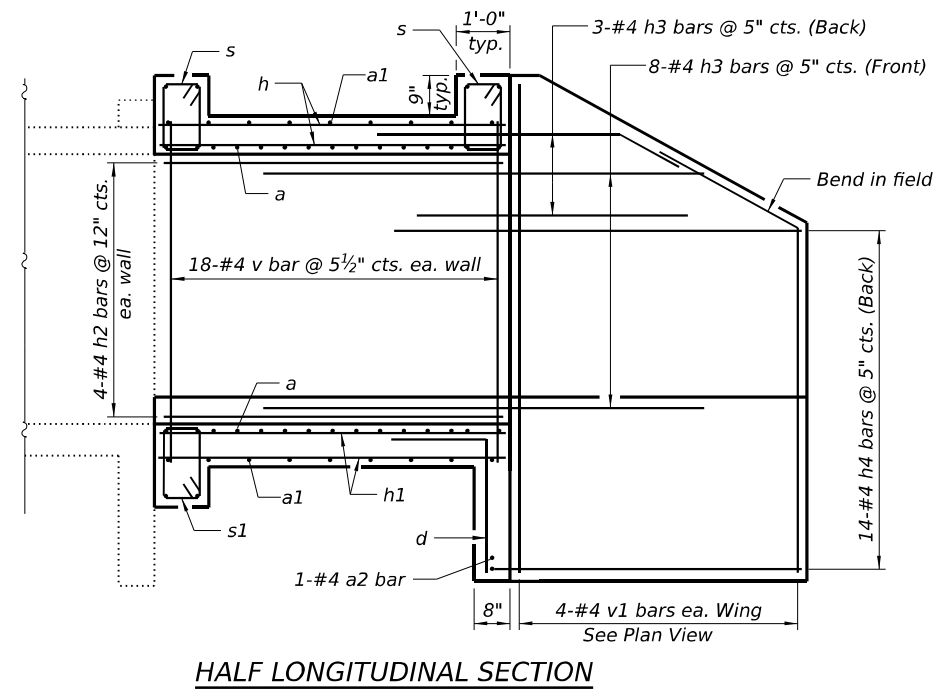
Drainage Area = 43.4 acres  
 Design Waterway Opening = 9.2 sq. ft.  
 Design Discharge = 39.2 cfs  
 Design Headwater Elevation = 482.00 ft  
 100 Year Discharge = 45.8 cfs  
 100 Year Headwater Elevation = 482.20 ft

**GENERAL PLAN & ELEVATION**  
 IL 15 OVER F.A.I. 57/64  
 F.A.P. RTE 821 - SEC. 13  
 13-2(N-1, TS-1); (41-3)HB2  
 JEFFERSON COUNTY  
 STATION 785+00.00

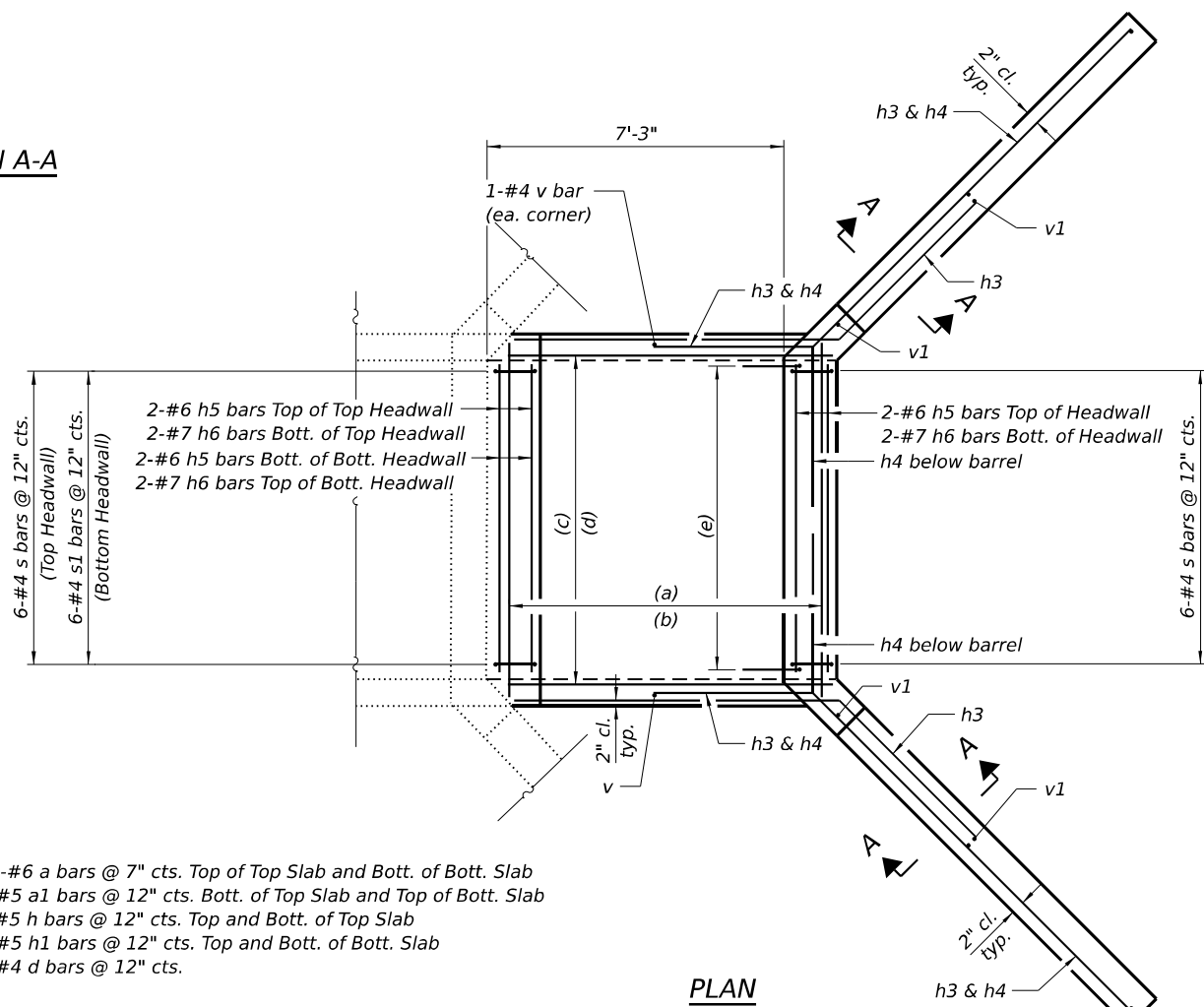
	USER NAME = Brian Bond	DESIGNED - DAC	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL PLAN AND ELEVATION</b> <b>STA. 785+00.00</b>		F.A.P. RTE. 821	SECTION 13-2(N-1, TS-1); (41-3)HB2	COUNTY JEFFERSON	TOTAL SHEETS 787	SHEET NO. 610
	PLOT SCALE = N/A	CHECKED - BMB	REVISED -		SCALE:	SHEET 1 OF 2 SHEETS	STA. TO STA.	CONTRACT NO. 78483		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 12/6/2024	DATE - DEC 2024	REVISED -								



SECTION A-A

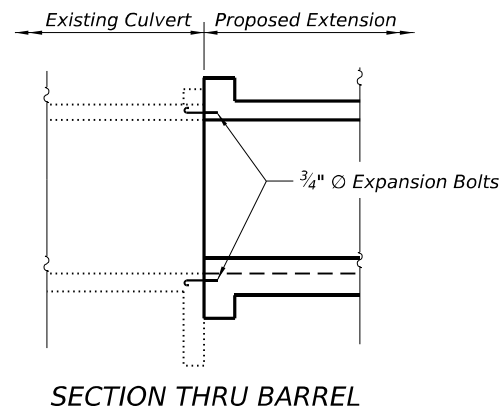


HALF LONGITUDINAL SECTION

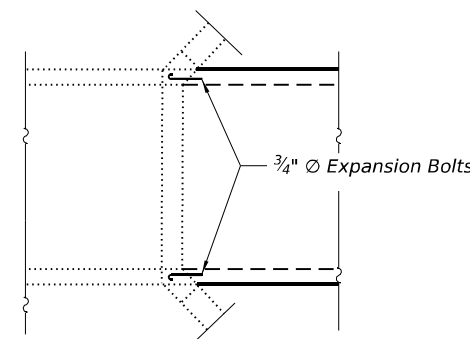


PLAN

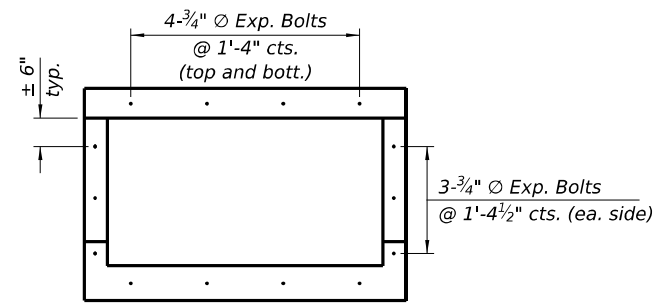
- (a) 15-#6 a bars @ 7" cts. Top of Top Slab and Bott. of Bott. Slab
- (b) 5-#5 a1 bars @ 12" cts. Bott. of Top Slab and Top of Bott. Slab
- (c) 7-#5 h bars @ 12" cts. Top and Bott. of Top Slab
- (d) 7-#5 h1 bars @ 12" cts. Top and Bott. of Bott. Slab
- (e) 6-#4 d bars @ 12" cts.



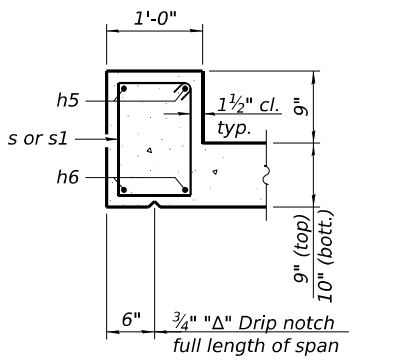
SECTION THRU BARREL



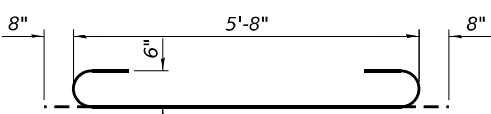
PLAN



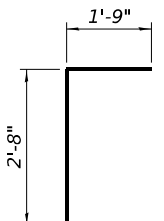
CROSS SECTION THRU BARREL  
TYPICAL EXPANSION BOLT DETAILS



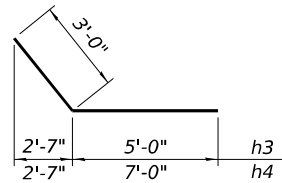
SECTION THRU HEADWALL



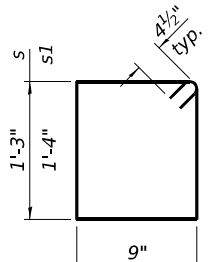
BAR a



BAR d



BARS h3 & h4



BARS s and s1

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape	
a	30	#6	7'-0"	U	
a1	10	#5	5'-8"	—	
a2	1	#4	5'-8"	—	
d	6	#4	4'-5"	L	
h	14	#5	7'-11"	—	
h1	14	#5	7'-11"	—	
h2	8	#4	7'-11"	—	
h3	22	#4	8'-0"	—	
h4	28	#4	10'-0"	—	
h5	6	#6	4'-8"	—	
h6	6	#7	4'-8"	—	
s	12	#4	4'-9"	□	
s1	6	#4	4'-11"	□	
v	38	#4	4'-8"	—	
v1	8	#4	7'-8"	—	
Porous Granular Embankment				Cu. Yd.	15
Stone Riprap, Class A4				Sq. Yd.	23
Filter Fabric				Sq. Yd.	23
Removal and Disposal of Unsuitable Material for Structures				Cu. Yd.	19
Reinforcement Bars				Pound	1300
Expansion Bolts 3/4 Inch				Each	14
Concrete Box Culverts				Cu. Yd.	7.3
Geocomposite Wall Drain				Sq. Yd.	9
Membrane Waterproofing System for Buried Structures				Sq. Yd.	9
Rock Fill - Foundation				Ton	5

**GENERAL NOTES**

- The design fill height for this box is 1'-6".
- Drain holes shall be provided on exterior culvert walls with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.
- Box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The Rock Fill Foundation will be filled 2 ft. below the Porous Granular Material. This area of rock fill is included in the Rock Fill - Foundation pay item.
- Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications.
- Contractor shall retain the backfill material during the construction of the CIP end sections, cost included in Porous Granular Embankment.
- The cast-in-place end section shall be tied to the existing barrel at each end using expansion bolts spaced as shown on this sheet.
- See Roadway plans for construction staging details.
- Contractor to verify thickness of top slab, bottom slab, and sidewalls.
- Existing box culvert headwall and wingwalls to remain in place.

MODEL: Box Culvert - 4\_Sls\_785+00 (Sheet)  
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USER NAME = Brian Bond	DESIGNED - DAC	REVISED -
PLOT SCALE = N/A	DRAWN - DAC	REVISED -
PLOT DATE = 12/6/2024	CHECKED - BMB	REVISED -
	DATE - DEC 2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS  
STA. 785+00.00

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
821	13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	611
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				



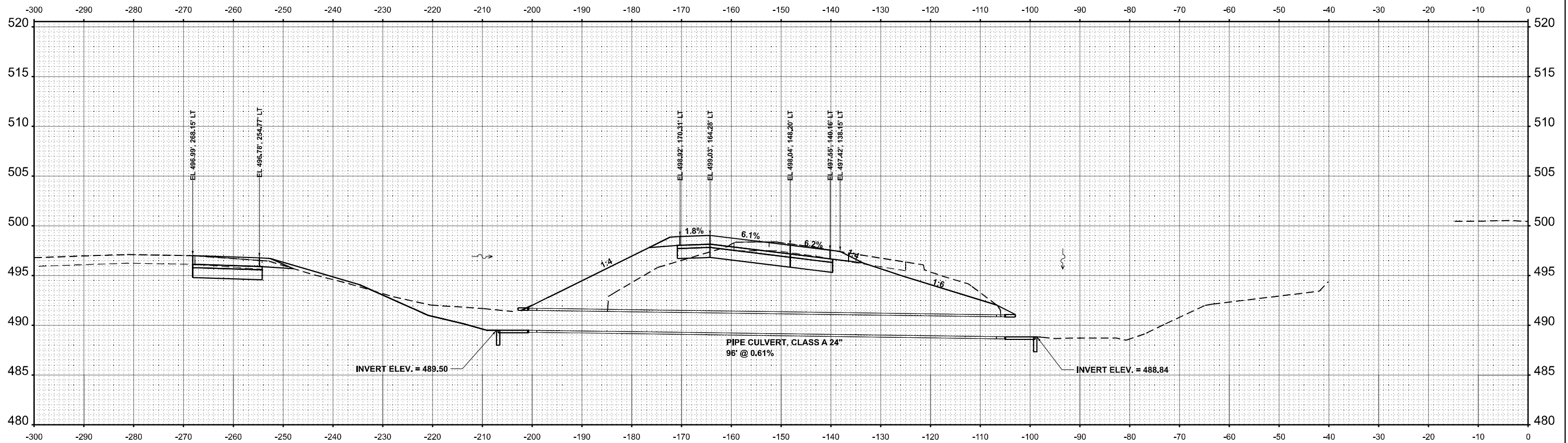




FINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

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**STA 77+58.28 (05°46'36" LT. FWD. SKEW)**

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	DRAWN -	REVISED -
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PLOT DATE = 11/15/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CULVERT PROFILE  
 RAMP C**

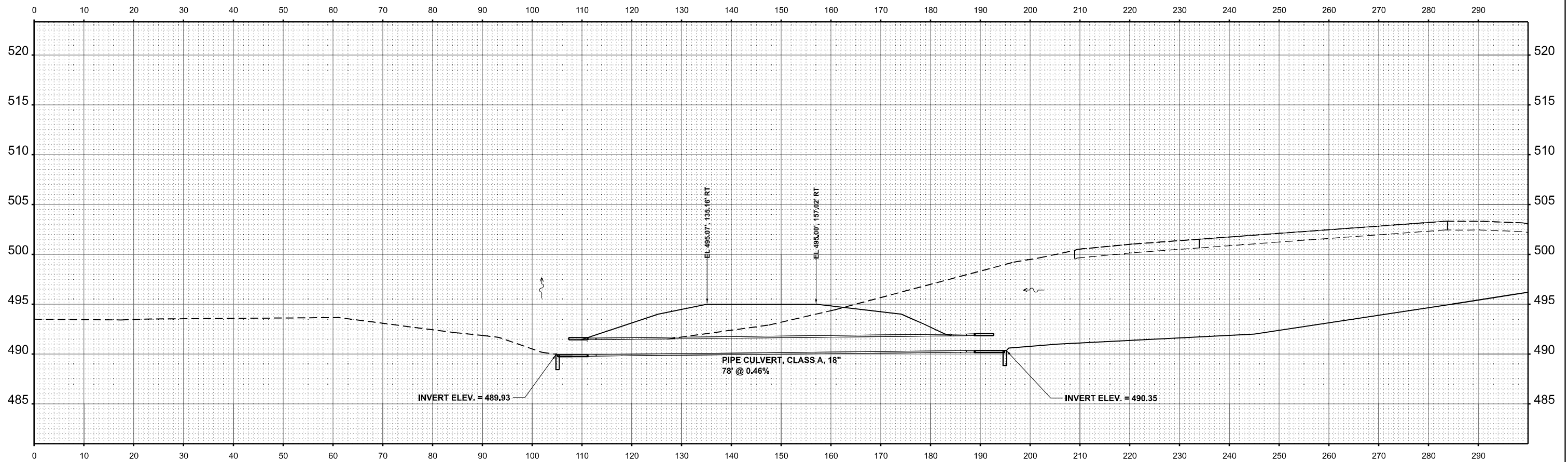
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F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	615
CONTRACT NO.			78483	
ILLINOIS		FED. AID PROJECT		

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

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

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**STA 78+71.01 TO STA 79+60.10 RT.**

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	DRAWN -	REVISED -
PLOT SCALE = 0.16660000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/15/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CULVERT PROFILE  
 RAMP C - OUTFIELD**

SCALE: 1"=10' SHEET 5 OF 7 SHEETS STA. TO STA.

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78483				
ILLINOIS		FED. AID PROJECT		



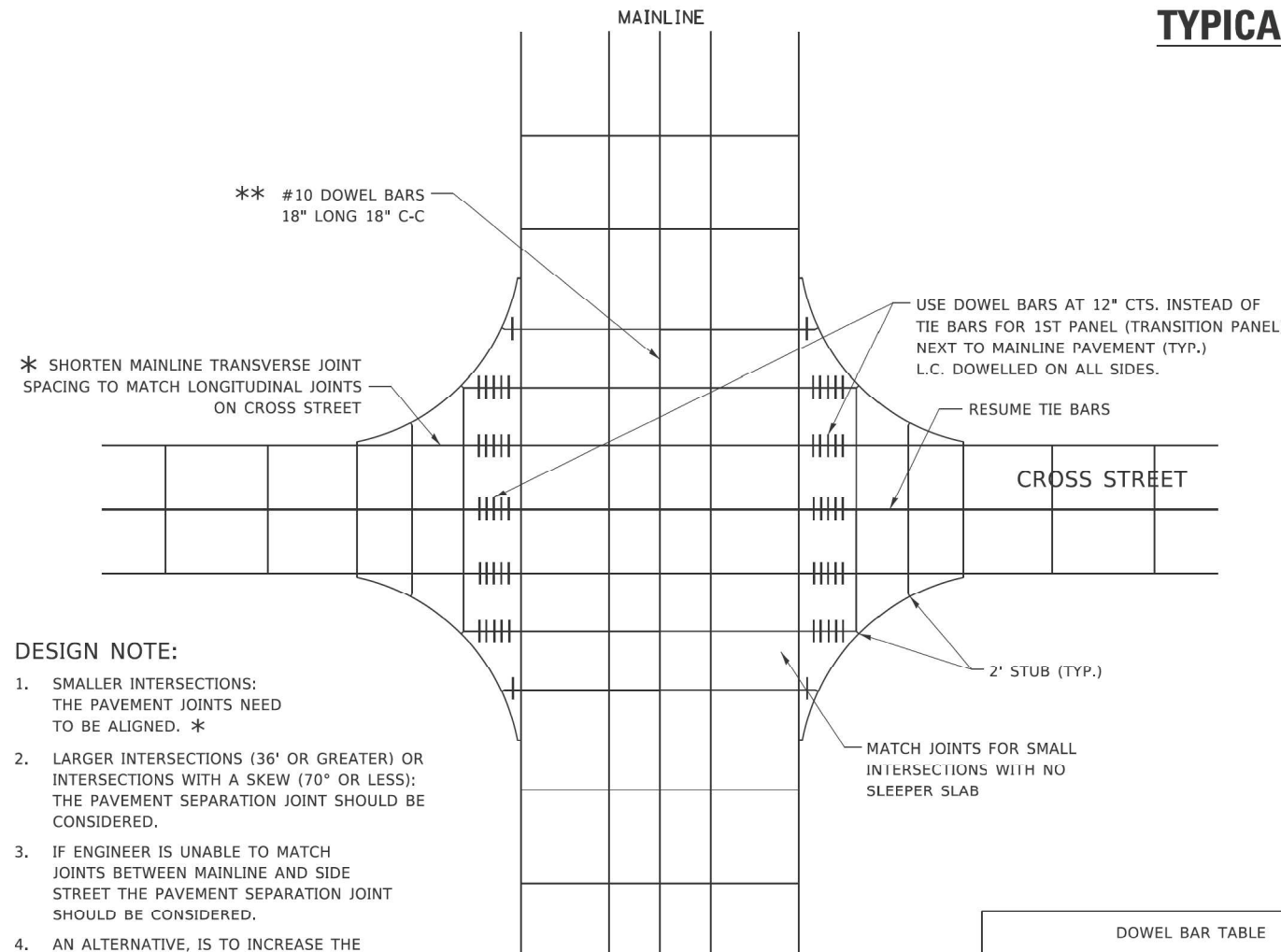






# TYPICAL APPLICATION

THE USE OF CROSS STREET PAVEMENT SEPARATION JOINTS FOR SKEWED OR LARGE INTERSECTIONS WHERE JOINTS MAY NOT MATCH

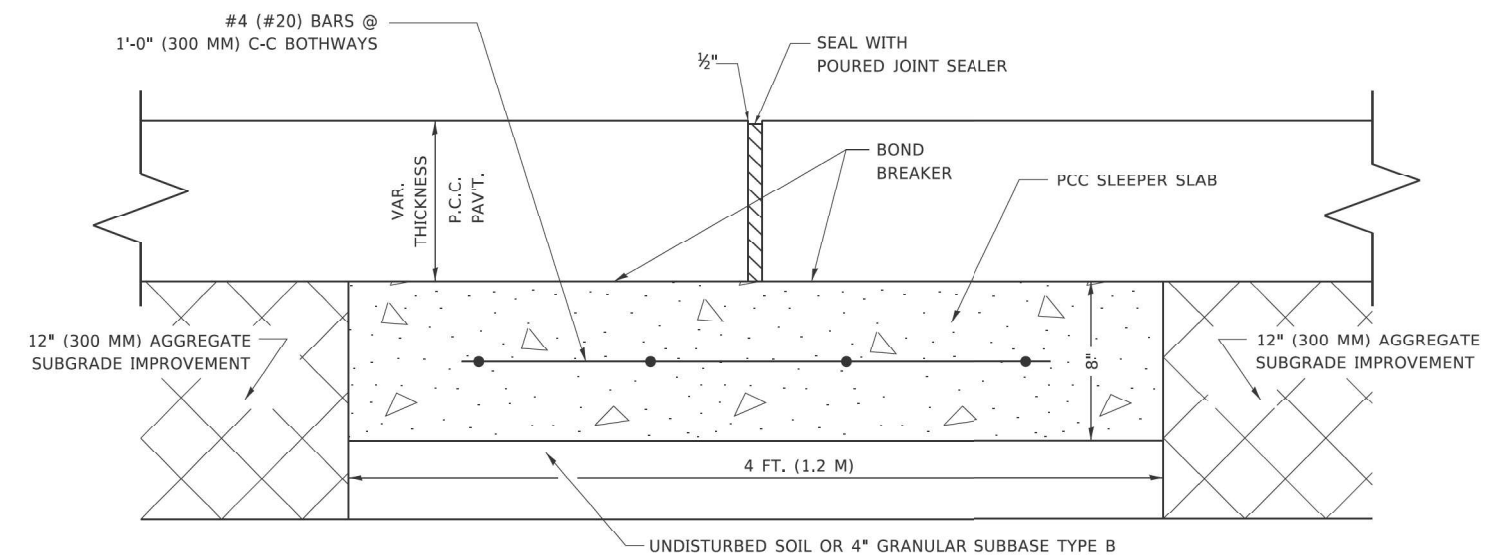
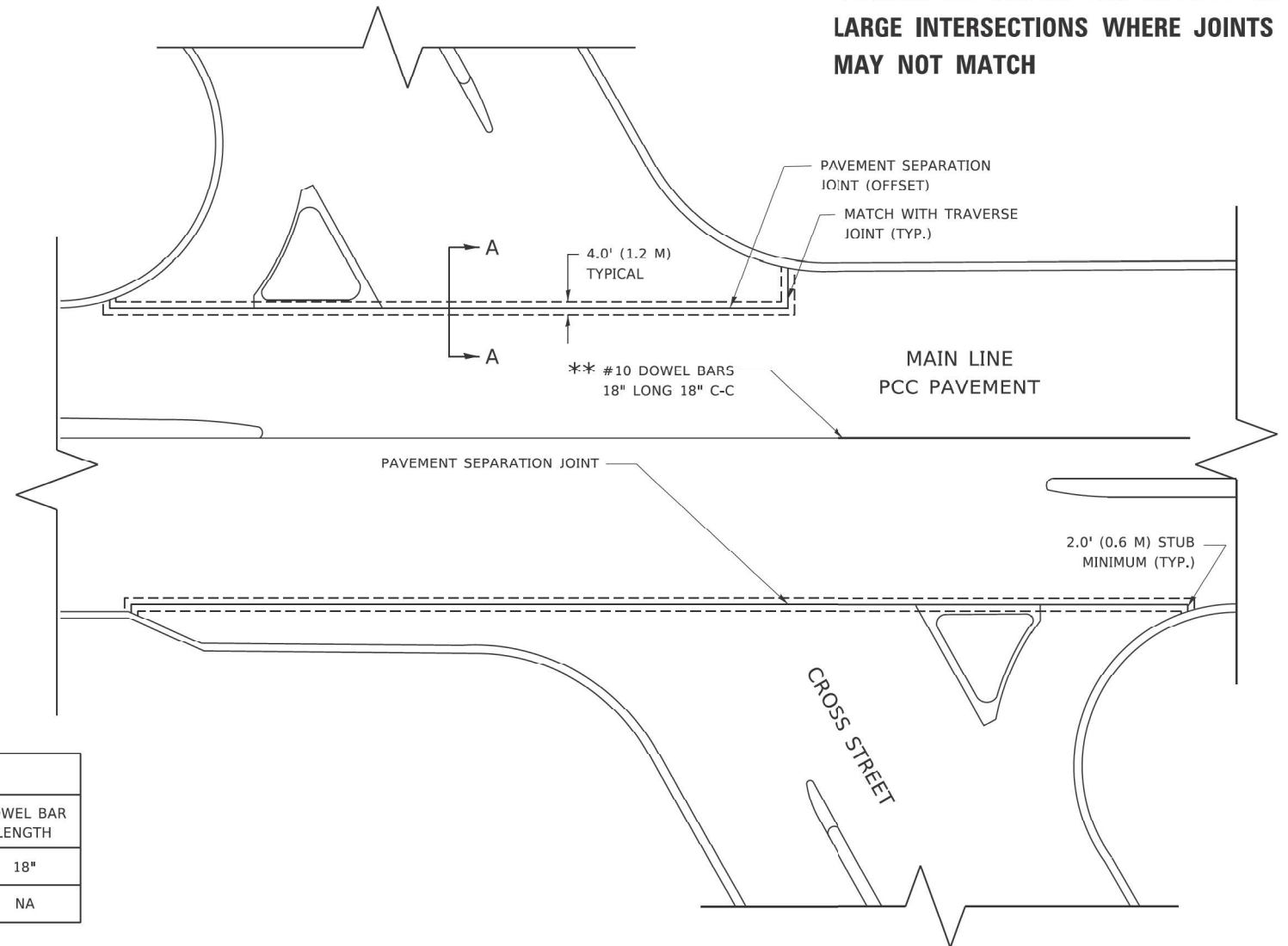


**DESIGN NOTE:**

1. SMALLER INTERSECTIONS: THE PAVEMENT JOINTS NEED TO BE ALIGNED. \*
2. LARGER INTERSECTIONS (36' OR GREATER) OR INTERSECTIONS WITH A SKEW (70° OR LESS): THE PAVEMENT SEPARATION JOINT SHOULD BE CONSIDERED.
3. IF ENGINEER IS UNABLE TO MATCH JOINTS BETWEEN MAINLINE AND SIDE STREET THE PAVEMENT SEPARATION JOINT SHOULD BE CONSIDERED.
4. AN ALTERNATIVE, IS TO INCREASE THE PAVEMENT THICKNESS BY ½" FOR THE LENGTH OF THE AFFECTED PANELS AT THE INTERSECTION.
5. FOR LARGE INTERSECTIONS, (6 LANES OR MORE) WHERE JOINTS CAN BE MATCHED , USE #8 (25) DOWEL BARS INSTEAD OF #8 (25) TIE BARS AT EDGE OF MAINLINE PAVEMENT WHEN NO PAVEMENT SEPARATION JOINTS USED.

**PLAN**

DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	DOWEL BAR LENGTH
8" OR GREATER	1½"	18"
LESS THAN 8"	NA	NA



**PROPOSED SECTION A-A**

**METHOD OF MEASUREMENT**

THIS WORK WILL BE MEASURED FOR PAYMENT IN FEET, MEASURED IN PLACE.

**BASIS OF PAYMENT**

1. THIS WORK WILL BE PAID FOR AT THE UNIT PRICE PER FOOT FOR "SLEEPER SLAB".
2. BOND BREAKER AND ½" (13MM) JOINT FILLER SHALL BE INCLUDED IN THE PAY ITEM "SLEEPER SLAB"

**NOTE:**

1. JOINT FILLER SHALL CONSIST OF A SHEET OF ½" BITUMINOUS PREFORMED FIBER JOINT FILLER CONFORMING TO ARTICLE 1051.03 OF THE STANDARD SPECIFICATIONS.
2. THE JOINT SHALL BE SEALED WITH A HOT POUR JOINT SEALER CONFORMING TO ARTICLE 1050.02 OF THE STANDARD SPECIFICATIONS.
3. A SINGLE LAYER OF FELT ROOFING PAPER SHALL SERVE AS A BOND BREAKER.
4. JOINT SHALL CONTINUE THROUGH COMBINATION CURB & GUTTER OR PCC SHOULDER.

MODEL: Misc. Det. S102  
 FILE NAME: p:\complan\pcc\joint\miscellaneous\pcc\joint\miscellaneous\Detail.dwg

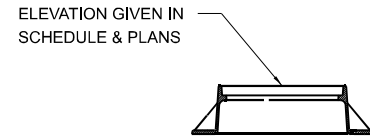
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PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -
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	DATE - NOV 2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

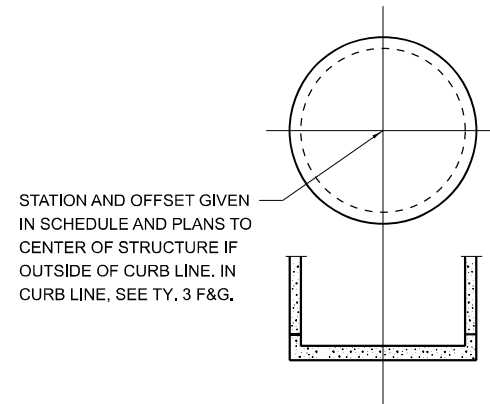
MISCELLANEOUS DETAILS

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

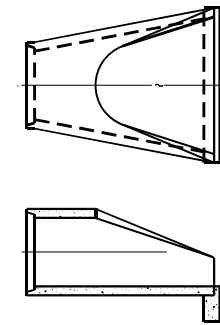
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CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				



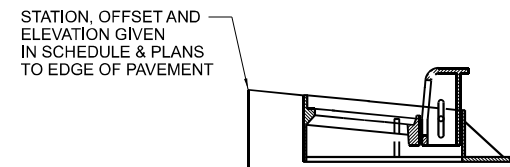
**TYPE 1 FRAME AND LID**



**MANHOLES AND INLETS, TYPE A AND TYPE B**

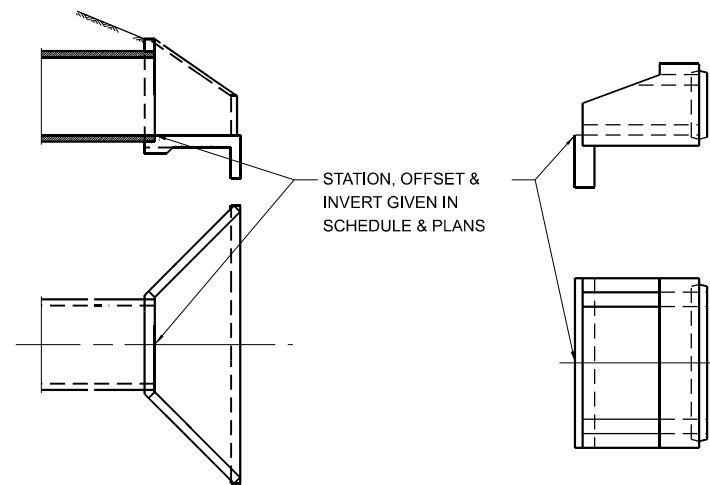


**CONC. END SECTIONS**

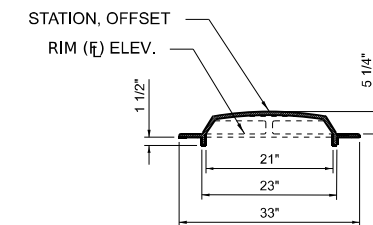


**TYPE 3 FRAME AND GRATE**

STATION AND OFFSET ARE NOT TO THE CENTER OF THE MANHOLE OR INLET.



**BOX CULVERT END SECTIONS**



**SPECIAL GRATE NO. 1**

MODEL: Misc. Det. S103  
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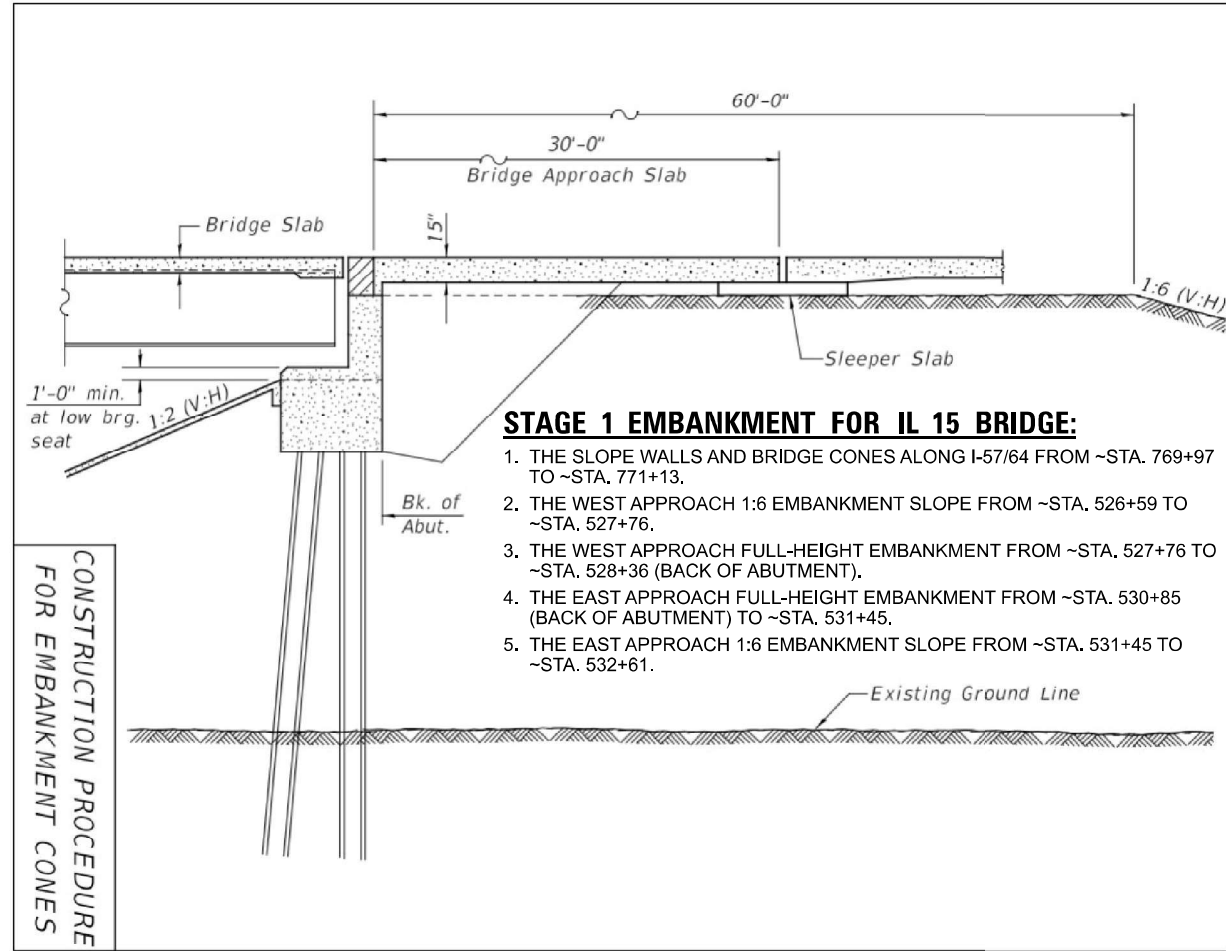
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PLOT DATE = 11/15/2024	DATE - NOV 2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MISCELLANEOUS DETAILS**

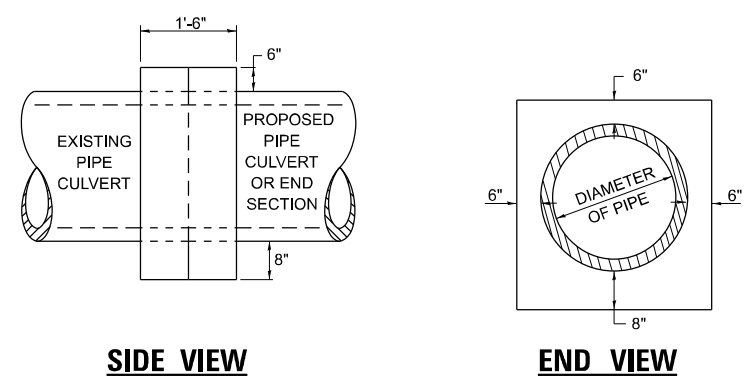
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13.13-2(N-1,TS-1); (41-3)HB2	JEFFERSON	787	621
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				



- STAGE 1 EMBANKMENT FOR IL 15 BRIDGE:**
1. THE SLOPE WALLS AND BRIDGE CONES ALONG I-57/64 FROM ~STA. 769+97 TO ~STA. 771+13.
  2. THE WEST APPROACH 1:6 EMBANKMENT SLOPE FROM ~STA. 526+59 TO ~STA. 527+76.
  3. THE WEST APPROACH FULL-HEIGHT EMBANKMENT FROM ~STA. 527+76 TO ~STA. 528+36 (BACK OF ABUTMENT).
  4. THE EAST APPROACH FULL-HEIGHT EMBANKMENT FROM ~STA. 530+85 (BACK OF ABUTMENT) TO ~STA. 531+45.
  5. THE EAST APPROACH 1:6 EMBANKMENT SLOPE FROM ~STA. 531+45 TO ~STA. 532+61.

**CONCRETE COLLAR  
PIPE TO PIPE**



**TABULATION**

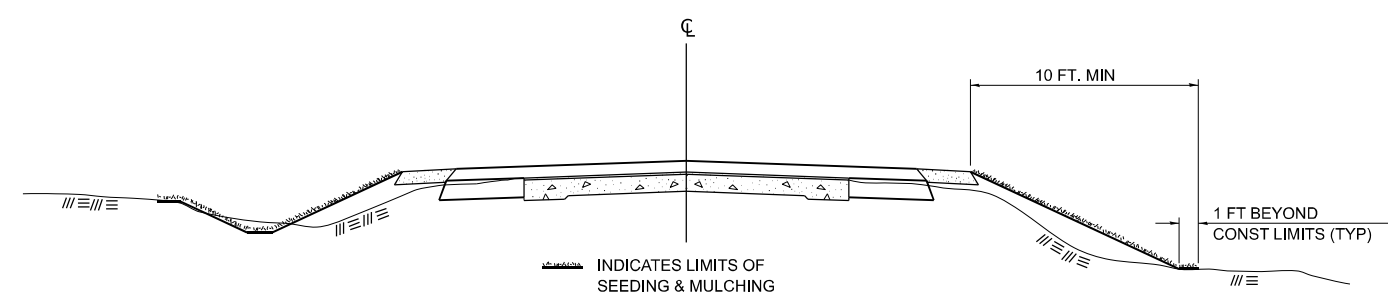
DIAMETER OF PIPE	CL SI CONC CU YDS EST
12"	0.24
15"	0.29
18"	0.32
24"	0.44
30"	0.56
36"	0.66
42"	0.80
48"	0.93
54"	1.07
60"	1.22
72"	1.55

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE COLLAR, AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS THE EXISTING HEADWALLS AS MAY BE REQUIRED. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

DRAWN	07-13-90
REVISED	03-26-08
REVISED	10-21-21
REVISED	05-03-22

STD. 9-02

**SEEDING & MULCHING**



**GENERAL NOTES**

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS. LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

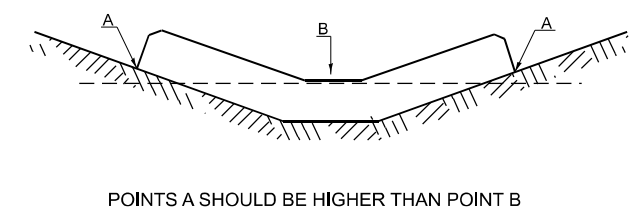
SECTIONS 250 AND 251 SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

DRAWN	02-15-89
REVISED	03-27-08
REVISED	10-21-21
REVISED	05-27-22

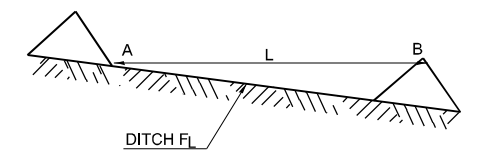
STD. 9-19

**TEMPORARY DITCH CHECKS**

**PLACEMENT OF TEMPORARY DITCH CHECK IN DRAINAGE WAY**



**SPACING BETWEEN TEMPORARY DITCH CHECKS**



DRAWN	09-01-99
REVISED	05-08-08
REVISED	10-21-21
REVISED	05-27-22

STD. 9-28

MODEL: D:\Detail Sheet\01... FILE NAME: ...

USER NAME = Bitan Bond	DESIGNED -	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/4/2024	DATE - DEC 2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT DETAILS**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

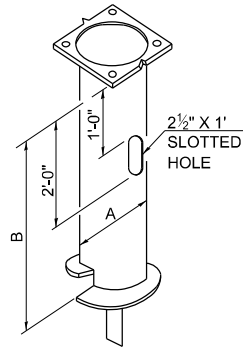
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13,13-2(N-1,TS-1); (41-3)HB2	JEFFERSON	787	622
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				

# LIGHT POLE FOUNDATION

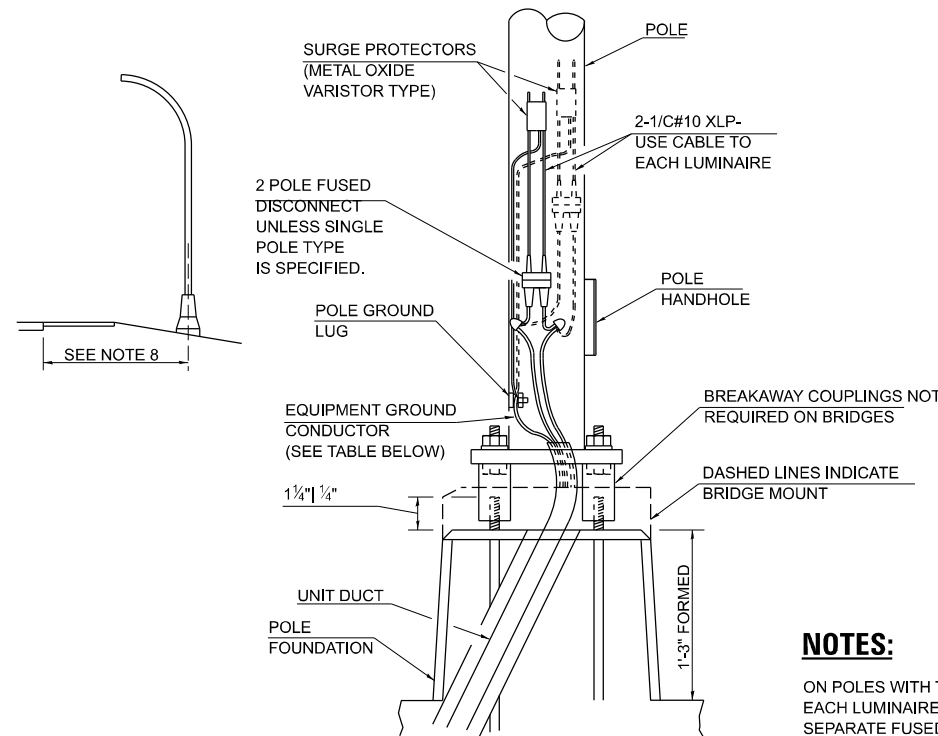
DATA, STEEL FOUNDATION TABLE **			
BOLT CIRCLE	A	B	MOUNTING HEIGHT
1'-3"	10"	6'-0"	45'-0" OR 50'-0" *
1'-3"	8"	6'-0"	45'-0"
11"	8"	6'-0"	40'-0" OR LESS

LOW MOUNTING FOUNDATION TABLE		
HEIGHT	DEPTH	BOLT CIRCLE
30'-0"	5'-0"	11"
31'-0" - 35'-0"	6'-0"	11"
36'-0" - 40'-0"	7'-0"	1'-3"
41'-0" - 45'-0"	7'-6"	1'-3"
46'-0" - 50'-0"	8'-0"	1'-3"

FOR USE ON POLES W/TWIN TENON  
 \*\* MINIMUM TORQUE REQ'D TO INSTALL FOUNDATIONS SHALL BE 5,000 LBS



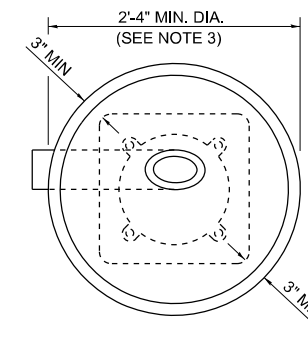
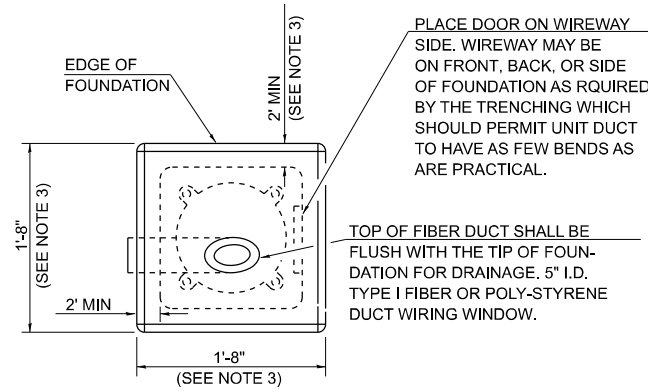
## STEEL POLE FOUNDATION



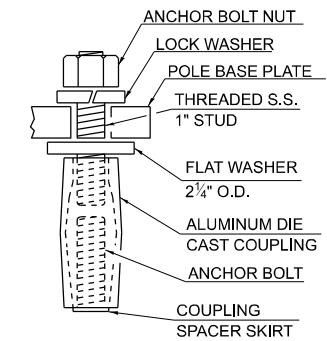
EQUIPMENT GROUND TABLE	
BREAKER SIZE	CONDUCTOR SIZE
30 AMP.	#10 COPPER
40 AMP.	#10 COPPER
60 AMP.	#10 COPPER
100 AMP.	#8 COPPER

### NOTES:

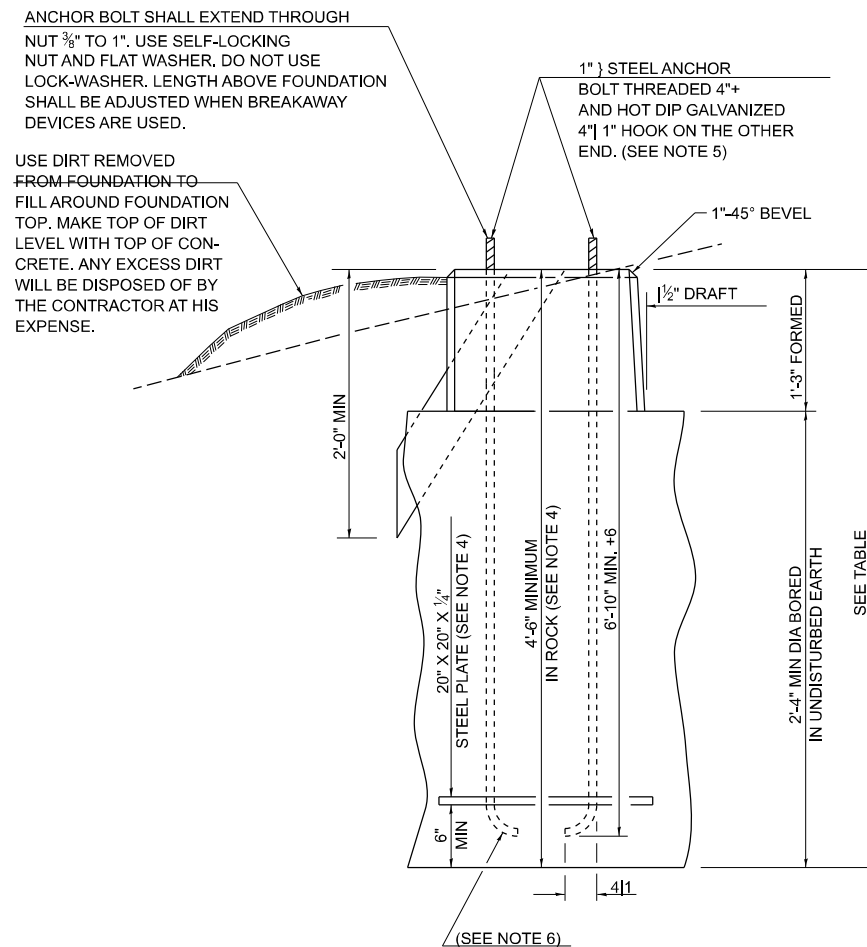
ON POLES WITH TWO LUMINAIRES, EACH LUMINAIRE SHALL HAVE A SEPARATE FUSED DISCONNECT.  
 INSTALLATION INSTRUCTIONS:  
 SCREW COUPLINGS ON TO ANCHOR BOLTS TO END OF THREADS. LEVEL COUPLINGS VERY IMPORTANT. AS COUPLINGS WILL BECOME OVERSTRESSED AND EITHER CRACK OR STRIP THREADS INSIDE COUPLING.



## ALT. FOUNDATION



## TYP. COUPLING



METAL OR  CONCRETE

## GENERAL NOTES

- AFTER POURING CONCRETE, THE FORM SHALL REMAIN UNDISTURBED OVERNIGHT.
- THE TOP 15" ONLY SHALL BE FORMED. CONCRETE BOUNDED BY UNDISTURBED EARTH ONLY SHALL FILL THE REMAINDER OF THE HOLE.
- MINIMUM CLEARANCE FROM THE OUTSIDE EDGE OF FOUNDATION TO ANY PART OF THE POLE BASEPLATE SHALL BE 3".
- THE DEPTH OF THE FOUNDATION MAY BE REDUCED 6" FOR EVERY 12" OF ROCK ENCOUNTERED WITH A MINIMUM DEPTH OF 4'-6". WHEN THE DEPTH OF THE FOUNDATION IS DECREASED TO LESS THAN 6' THE ANCHOR BOLTS SHALL BE CUT, THREADED, AND A STEEL PLATE 20" X 20" X 1/4" SHALL BE INSTALLED ON THE ANCHOR BOLTS 6" ABOVE THE BOTTOM OF THE EXCAVATION. THE COST SHALL BE INCIDENTAL THE FOUNDATION.
- ON PARAPET WALLS USE 1 1/4" DIA. ANCHOR BOLTS. USE SELF-LOCKING NUT AND FLAT WASHER. DO NOT USE LOCKWASHER. (FOR DETAILS SEE STANDARD III/2.35 OF BRIDGE DESIGN MANUAL.
- BEND RADIUS SHALL BE FOUR TIMES BOLT DIAMETER.
- CONNECT GROUND WIRES TO POLE BASE GROUND LUG, NOT ANCHOR BOLTS OR TRANSFORMER BASE.
- LOW MOUNT POLE FOUNDATION SETBACK: FOR HORIZONTAL MOUNTED LUMINAIRES, SETBACK SHALL BE A MINIMUM OF 20' FROM EDGE OF PAVEMENT.

FOR VERTICAL MOUNT LUMINAIRES, SETBACK SHALL BE A MINIMUM OF 30' FROM EDGE OF PAVEMENT. POLES SHALL BE LOCATED 5' BEHIND GUARDRAIL OR OTHER PROTECTIVE BARRIERS, OR AS DIRECTED BY THE ENGINEER.

DRAWN	02-09-01
REVISED	05-06-08
REVISED	10-21-21
REVISED	05-03-22

STD. 9-09

MODEL: D0 Detail Sheet02  
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 DATE: 11/15/2024

USER NAME = Bilan Bond	DESIGNED -	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/15/2024	CHECKED -	REVISED -
	DATE - NOV 2024	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

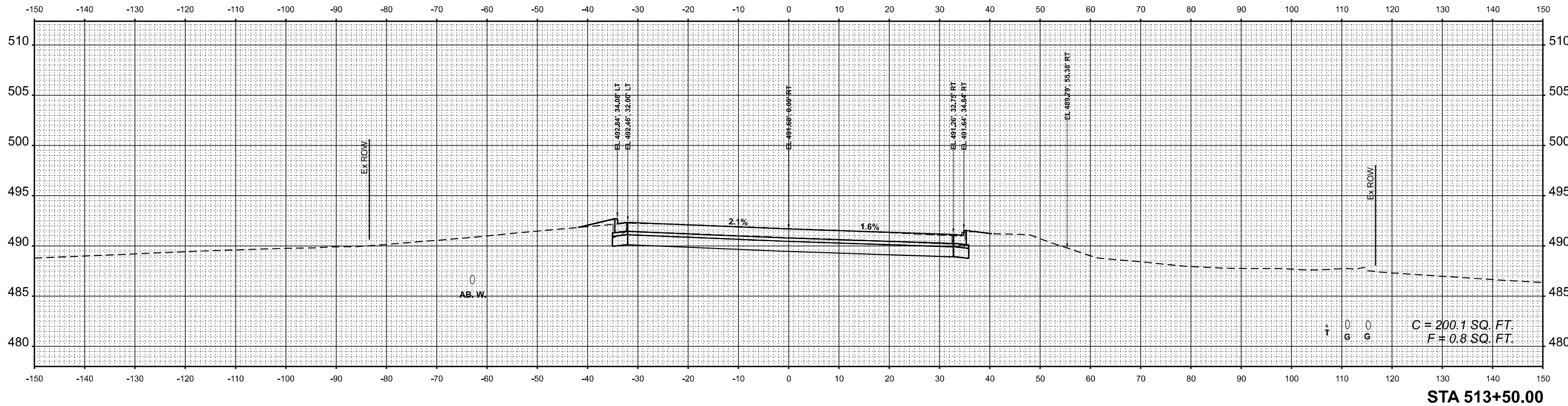
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13,13-2(N-1,TS-1); (41-3)HB2	JEFFERSON	787	623
CONTRACT NO. 78483			ILLINOIS FED. AID PROJECT	



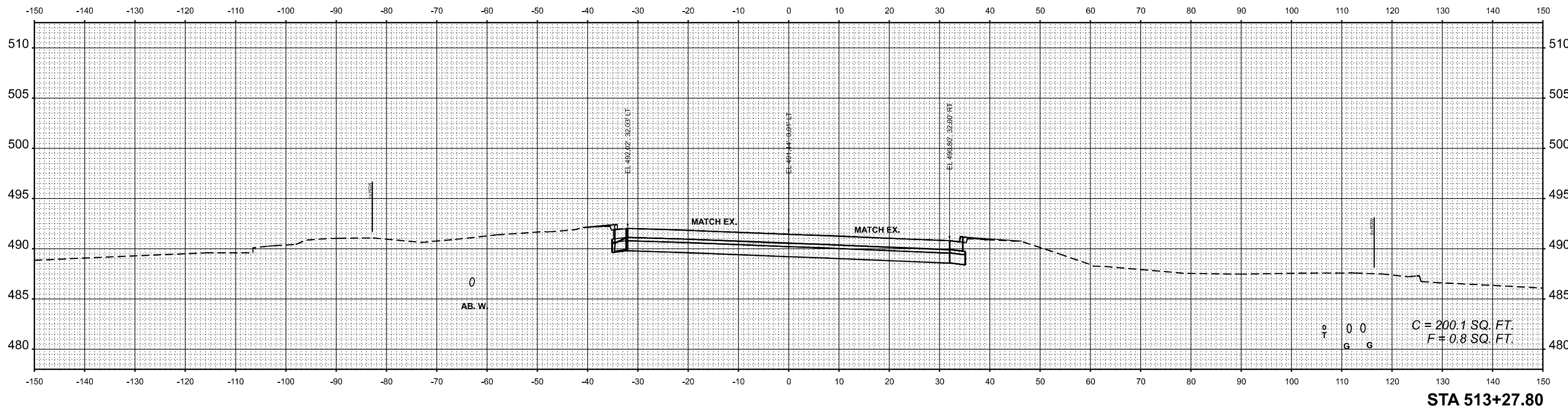




DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



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



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USER NAME = Britan Bond	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 11/15/2024	DATE -	REVISED -

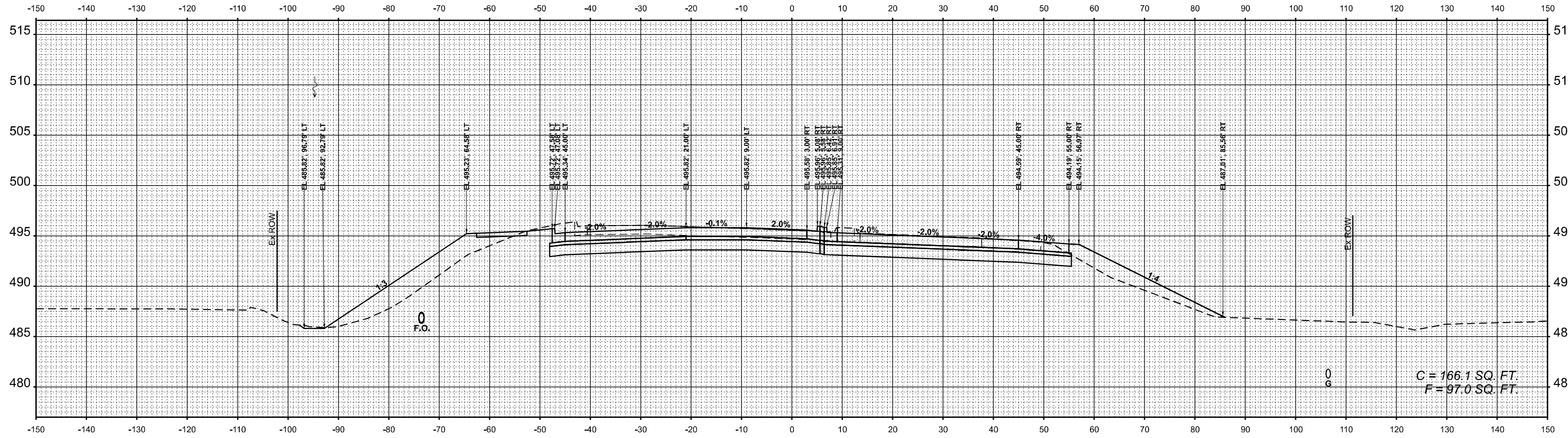
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL 15**

SCALE: 1"=10'    SHEET    OF    SHEETS    STA.    TO STA.

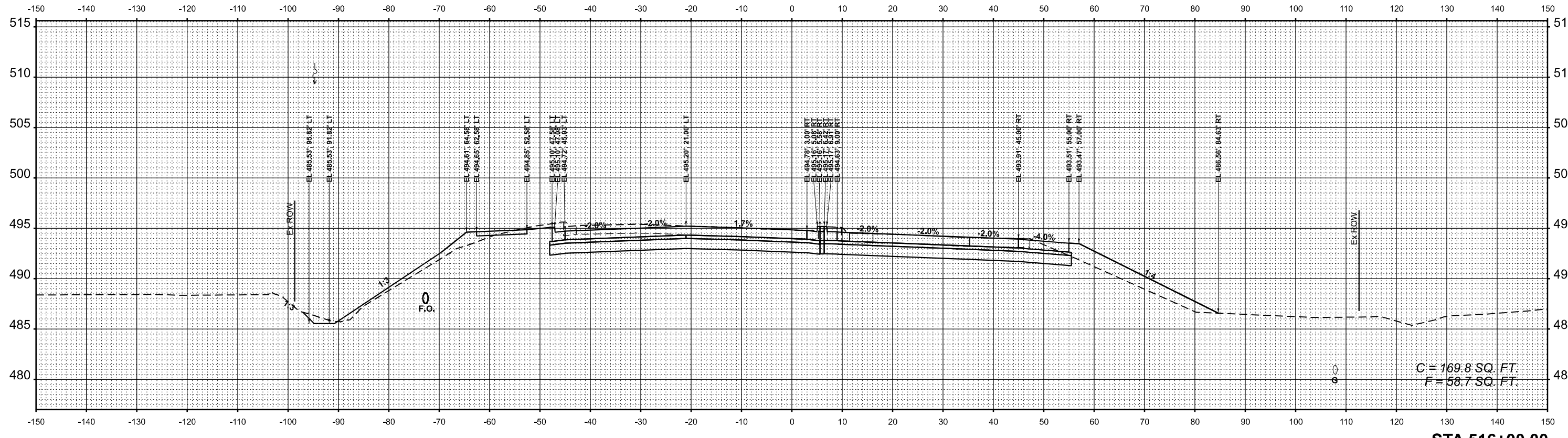
F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	626
CONTRACT NO. 78483				
ILLINOIS    FED. AID PROJECT				

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



STA 516+50.00

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



STA 516+00.00

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USER NAME	= Brian Bond
PLOT SCALE	= 0.16680000" / in.
PLOT DATE	= 11/15/2024

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10' SHEET OF SHEETS STA. TO STA.

CROSS SECTIONS  
IL 15

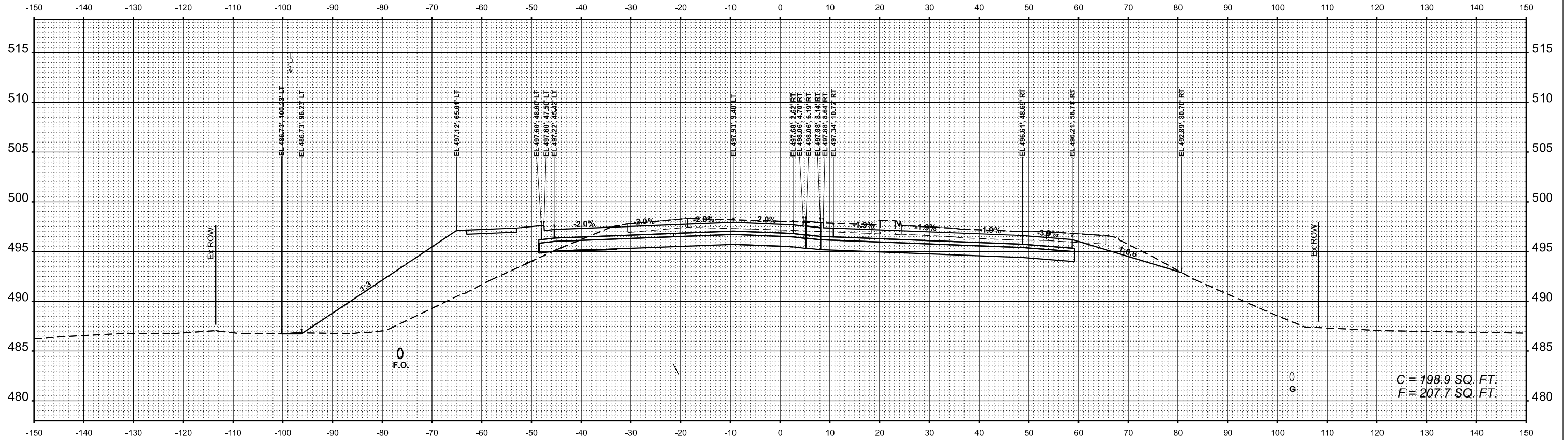
F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS- 1); (41-3)H2	JEFFERSON	787	627
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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**STA 518+00.00**

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PLOT SCALE = 0.16660000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/15/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL 15**

SCALE: 1"=10'      SHEET      OF      SHEETS      STA.      TO STA.

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 78483				
ILLINOIS		FED. AID PROJECT		

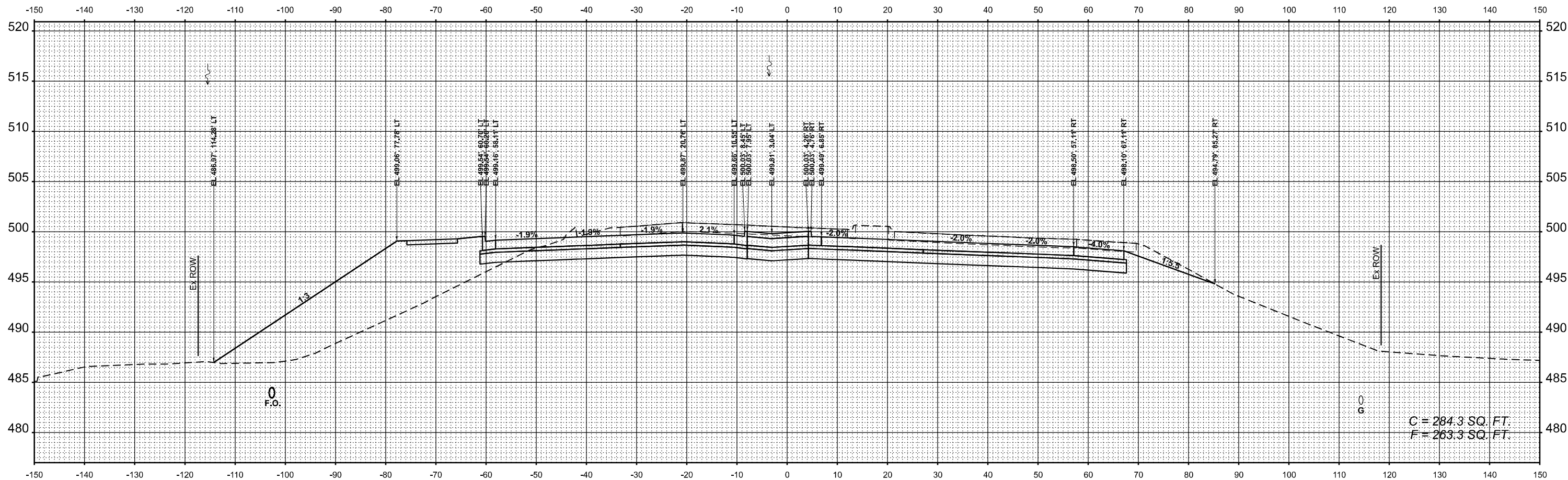




FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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C = 284.3 SQ. FT.  
 F = 263.3 SQ. FT.

STA 519+50.00

USER NAME = Bitlan Bond	DESIGNED -	REVISED -
PLOT SCALE = 0.16660000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/15/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 IL 15

SCALE: 1"=10' SHEET OF SHEETS STA. TO STA.

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	632
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				













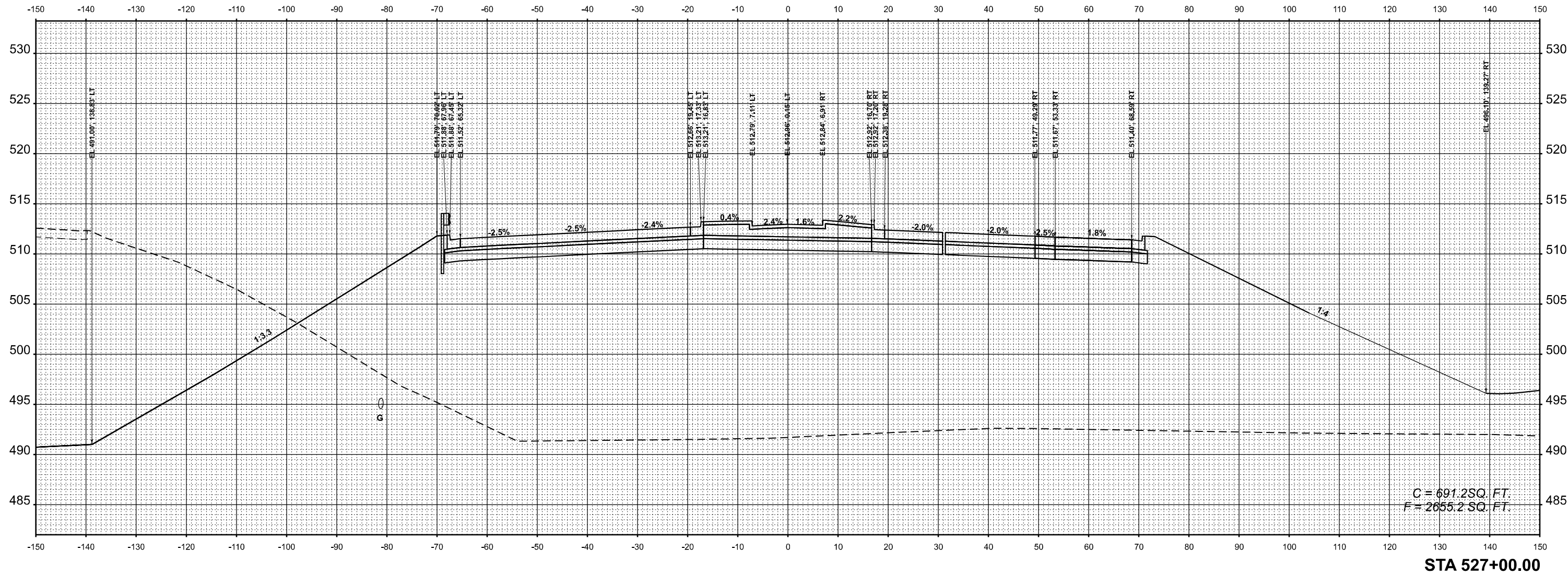




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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

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

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**STA 527+00.00**

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	DRAWN -	REVISED -
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PLOT DATE = 11/15/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
IL 15**

SCALE: 1"=10' SHEET OF SHEETS STA. TO STA.

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS- 1); (41-3)HB2	JEFFERSON	787	640
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				































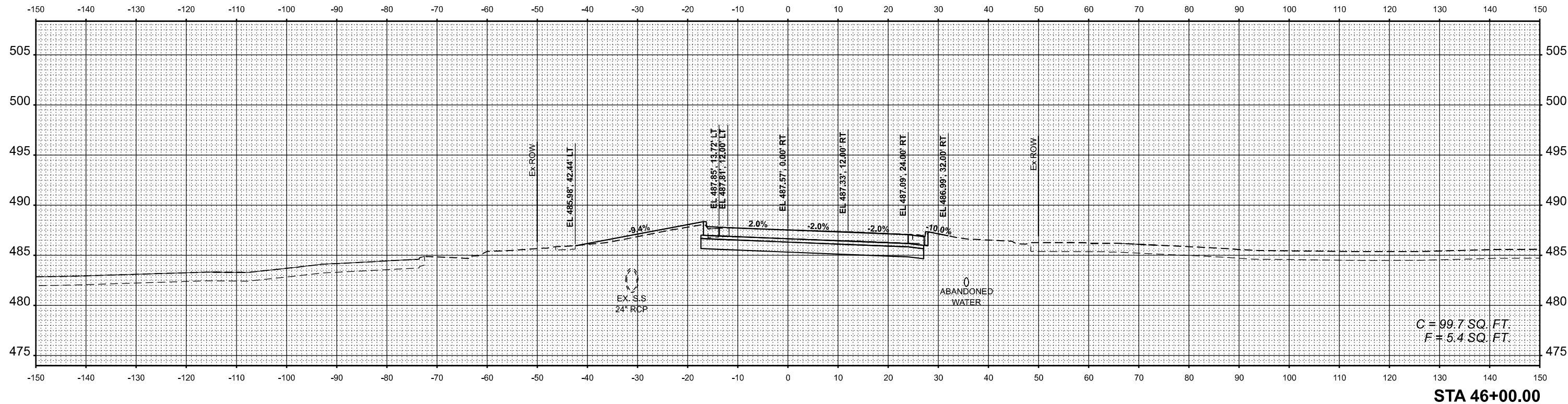








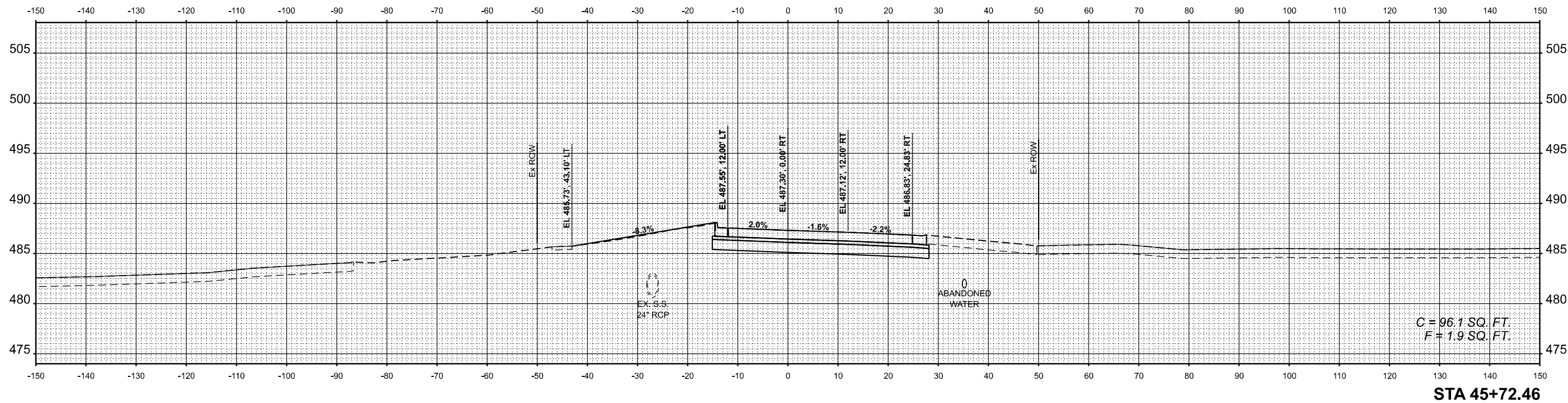
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



STA 46+00.00

C = 99.7 SQ. FT.  
F = 5.4 SQ. FT.

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



STA 45+72.46

C = 96.1 SQ. FT.  
F = 1.9 SQ. FT.

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	DRAWN -	REVISED -
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PLOT DATE = 11/15/2024	DATE -	REVISED -

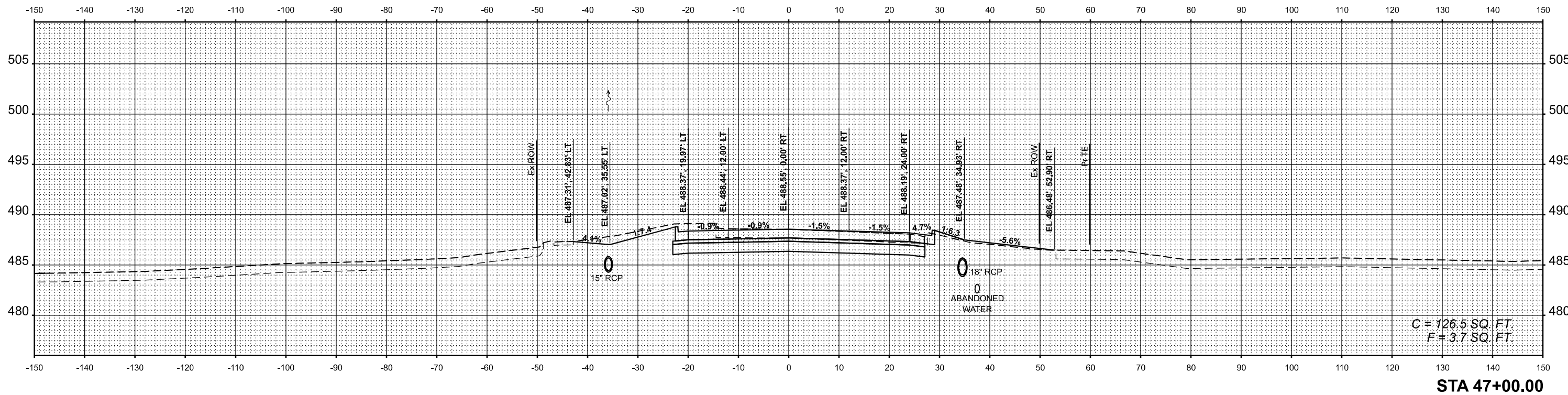
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
45TH STREET

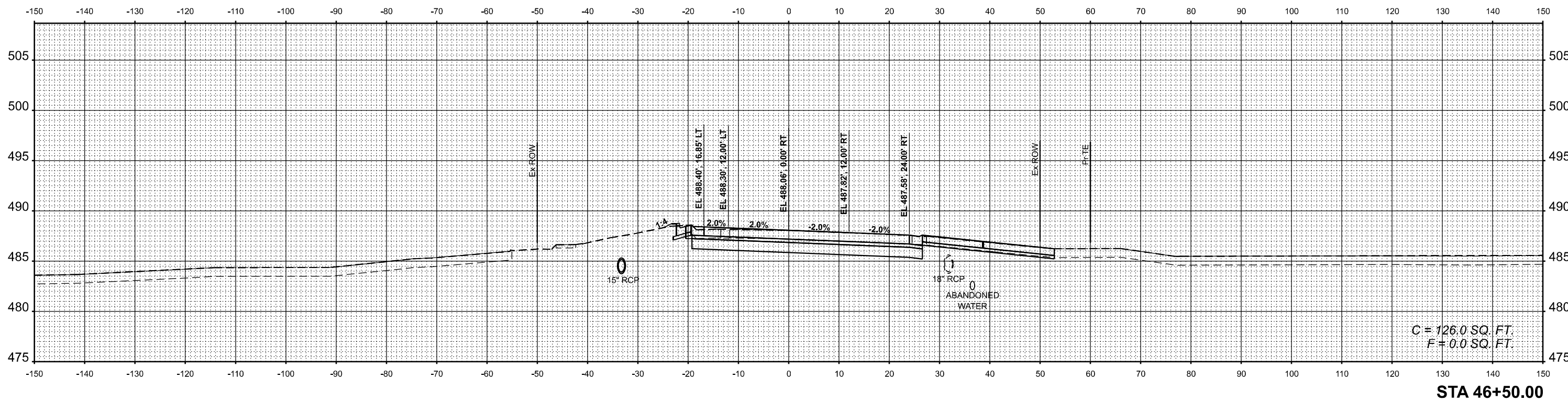
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F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS- 1); (41-3)HB2	JEFFERSON	787	657
				CONTRACT NO. 78483
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



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	DRAWN -	REVISED -
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PLOT DATE = 11/15/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 45TH STREET**

SCALE: 1"=10'      SHEET      OF      SHEETS      STA.      TO STA.

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	658
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				

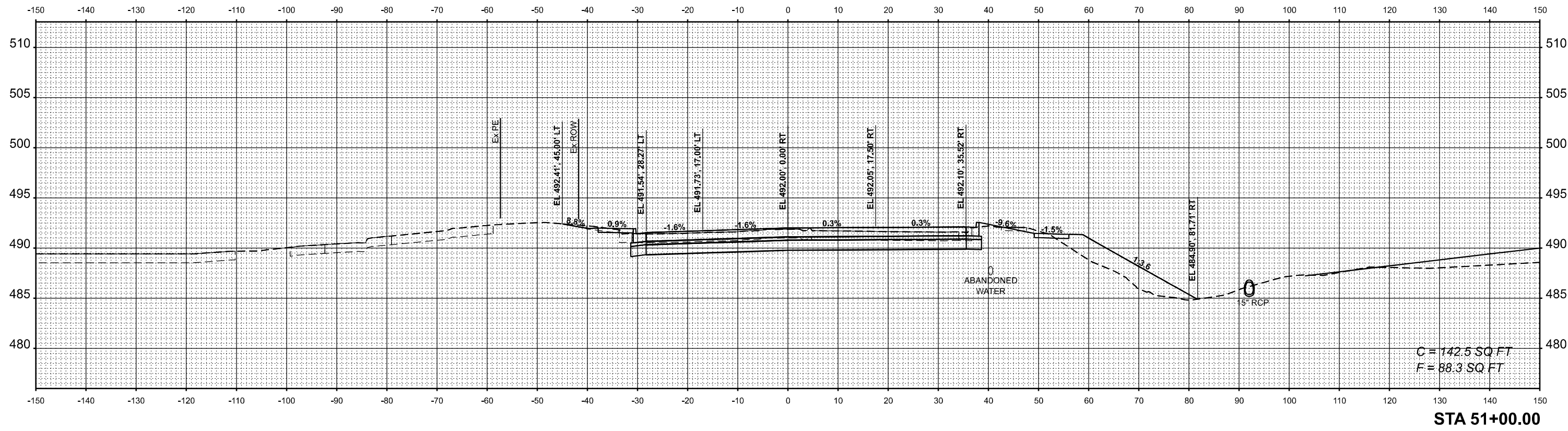




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NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	
	AREAS	
	CHECKED	

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

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STA 51+00.00

USER NAME =	Bitan Bond	DESIGNED -	REVISED -
PLOT SCALE =	0.16660000' / in.	DRAWN -	REVISED -
PLOT DATE =	11/15/2024	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 POTOMAC BOULEVARD**

SCALE: 1"=10' SHEET OF SHEETS STA. TO STA.

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	661
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				



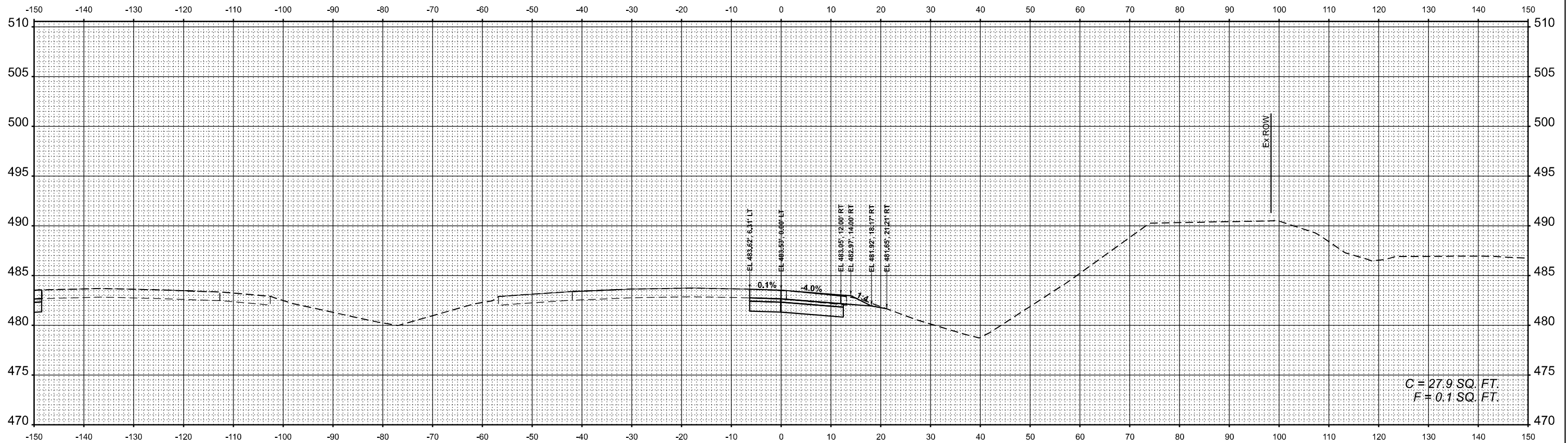


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ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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STA 31+00.00

USER NAME = Bitan Bond	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16660000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
RAMP A

SCALE: 1"=10' SHEET OF SHEETS STA. TO STA.

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	664
CONTRACT NO.			78483	
ILLINOIS		FED. AID PROJECT		



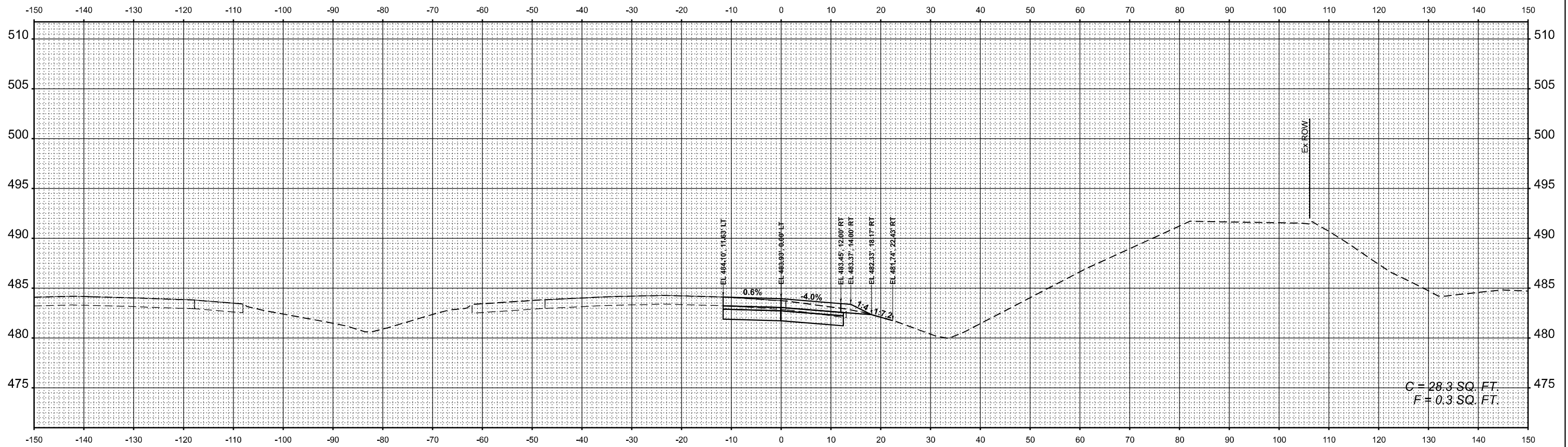


FINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

MODEL: PR\_RampA=32+00.00 (Sheet)

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STA 32+00.00

USER NAME = Bitan Bond	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16660000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
RAMP A

SCALE: 1"=10' SHEET OF SHEETS STA. TO STA.

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	666
CONTRACT NO. 78483				
		ILLINOIS	FED. AID PROJECT	



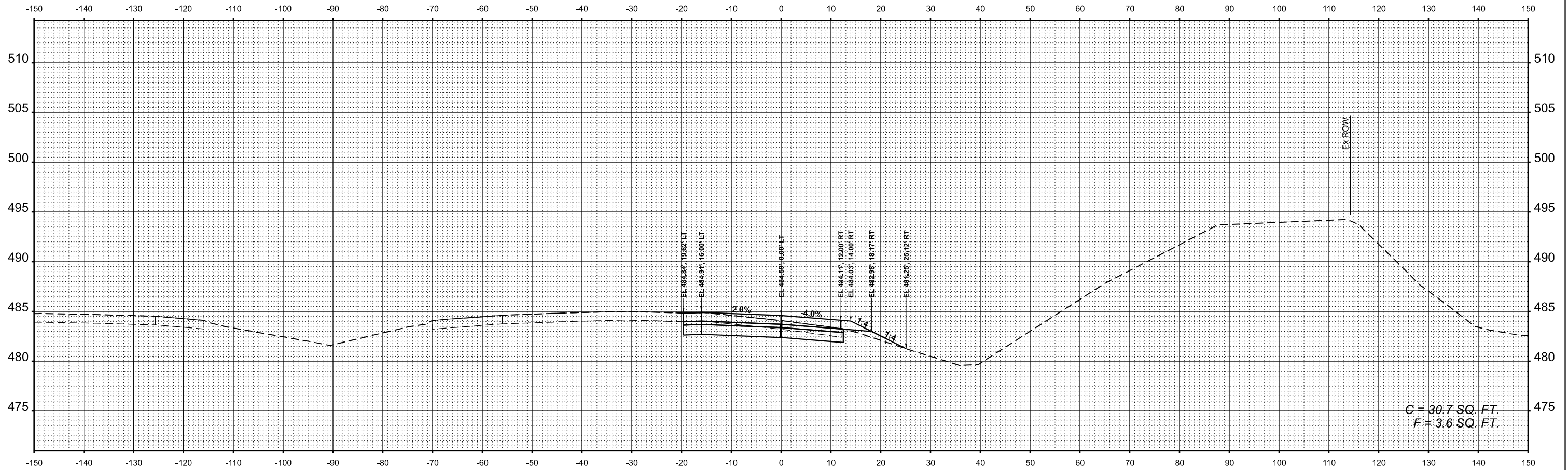


FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	AREAS CHECKED		

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

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STA 33+50.00

USER NAME = Bitan Bond	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16660000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
RAMP A

SCALE: 1"=10' SHEET OF SHEETS STA. TO STA.

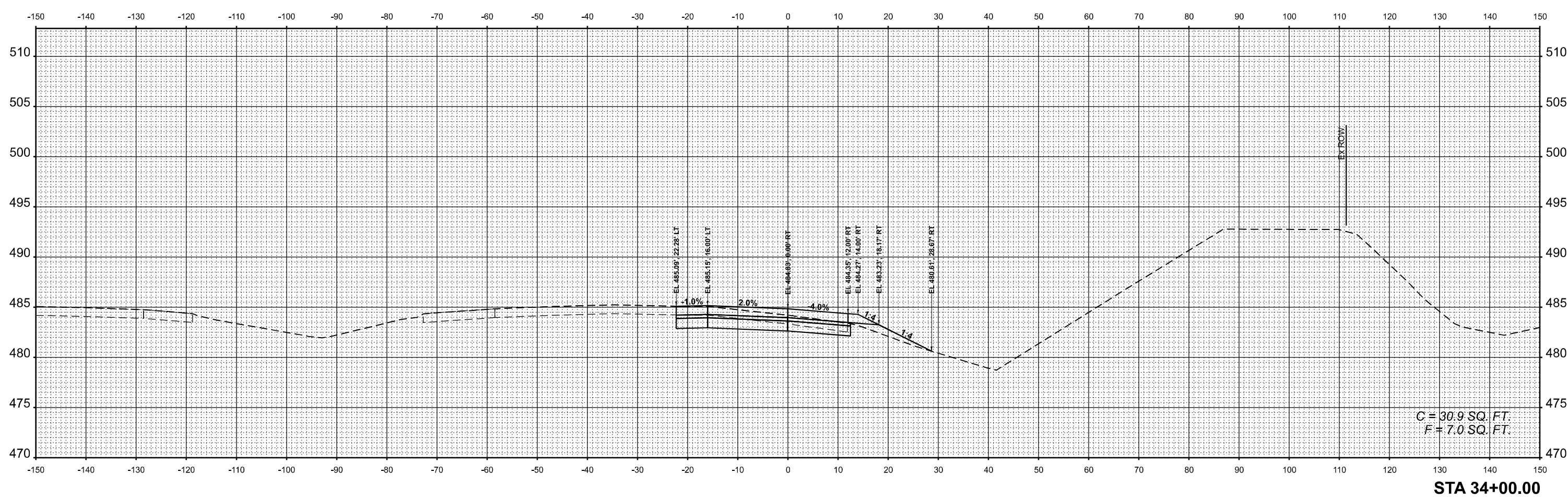
F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	669
CONTRACT NO. 78483				

ILLINOIS FED. AID PROJECT

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

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

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**STA 34+00.00**

USER NAME = Bitan Bond	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16660000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/15/2024	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
RAMP A**

SCALE: 1"=10'      SHEET      OF      SHEETS      STA.      TO STA.

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	670
CONTRACT NO. 78483				

ILLINOIS FED. AID PROJECT

































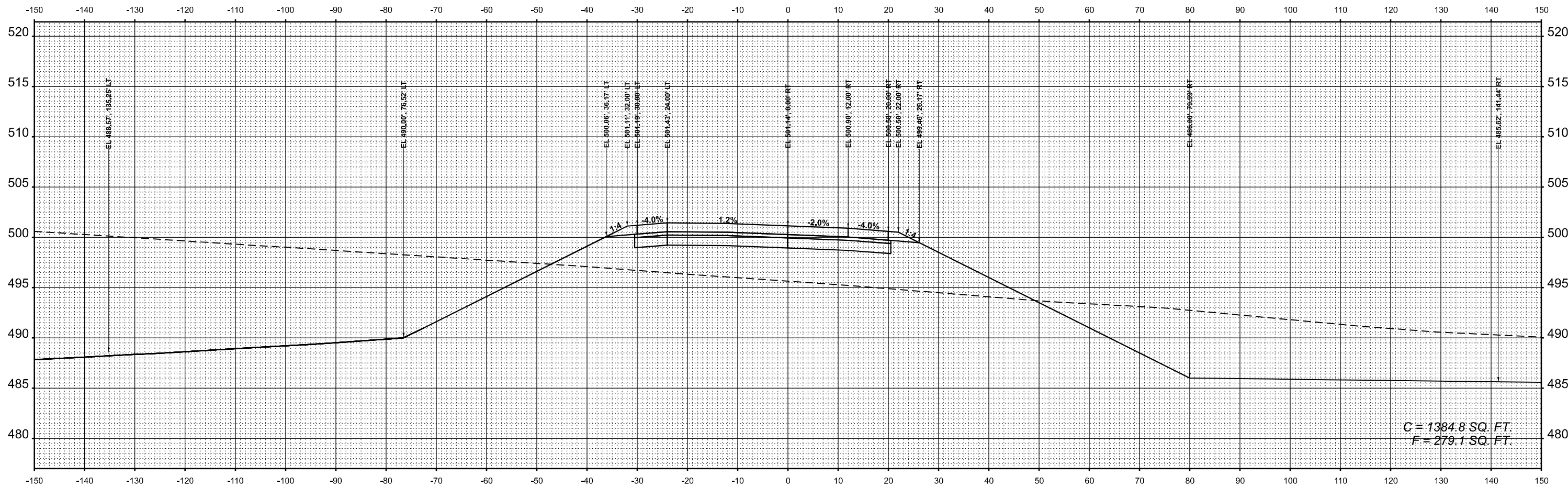


FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

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

MODEL: PFI\_RampA-48+00.00 (Sheet)

FILE NAME: z:\cadd\pfi\_rampA\48+00.00\Sheet\017848Set1.us\_RAMP.dgn



STA 48+00.00

USER NAME = Bitan Bond	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16660000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
RAMP A

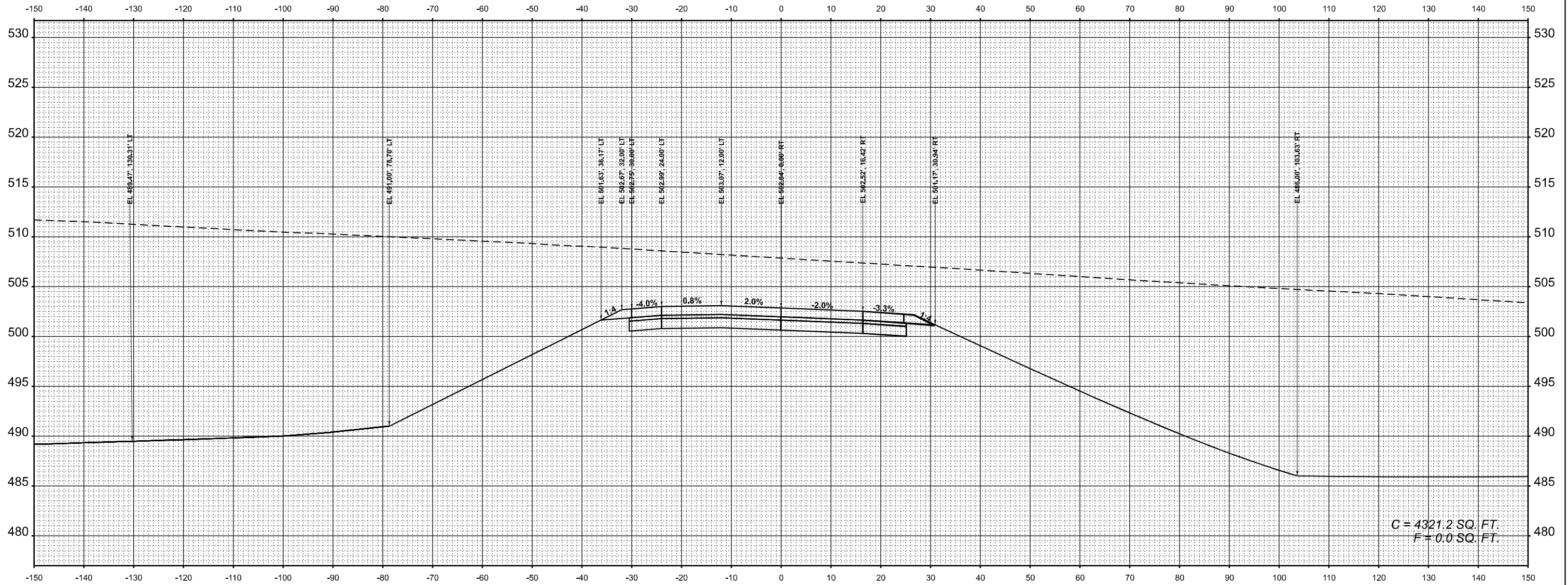
SCALE: 1"=10' SHEET OF SHEETS STA. TO STA.

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS- 1); (41-3)HB2	JEFFERSON	787	686
CONTRACT NO. 78483				
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: P1\_RampA-48+50.00 (Sheet)  
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STA 48+50.00

USER NAME =	Bitan Bond	DESIGNED -		REVISED -	
		DRAWN -		REVISED -	
PLOT SCALE =	0.16660000' / in.	CHECKED -		REVISED -	
PLOT DATE =	11/15/2024	DATE -		REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 RAMP A

SCALE: 1"=10' SHEET OF SHEETS STA. TO STA.

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS- 1); (41-3)HB2	JEFFERSON	787	687
CONTRACT NO.			78483	
ILLINOIS		FED. AID PROJECT		





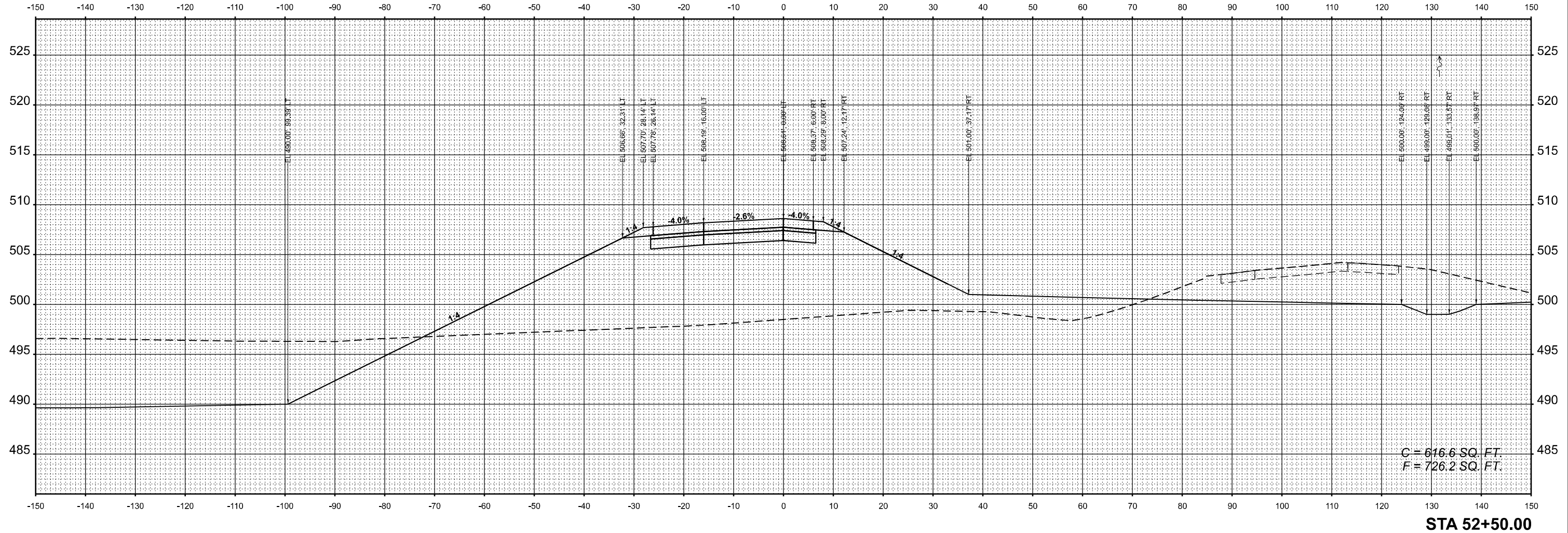




FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: P1\_rampB4 - 52+50.00 (Sheet)  
 FILE NAME: p:\cadd\p1\_rampB4.dwg



C = 616.6 SQ. FT.  
 F = 726.2 SQ. FT.

**STA 52+50.00**

USER NAME = Bitan Bond	DESIGNED -	REVISED -
PLOT SCALE = 0.16660000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/15/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 RAMP B**

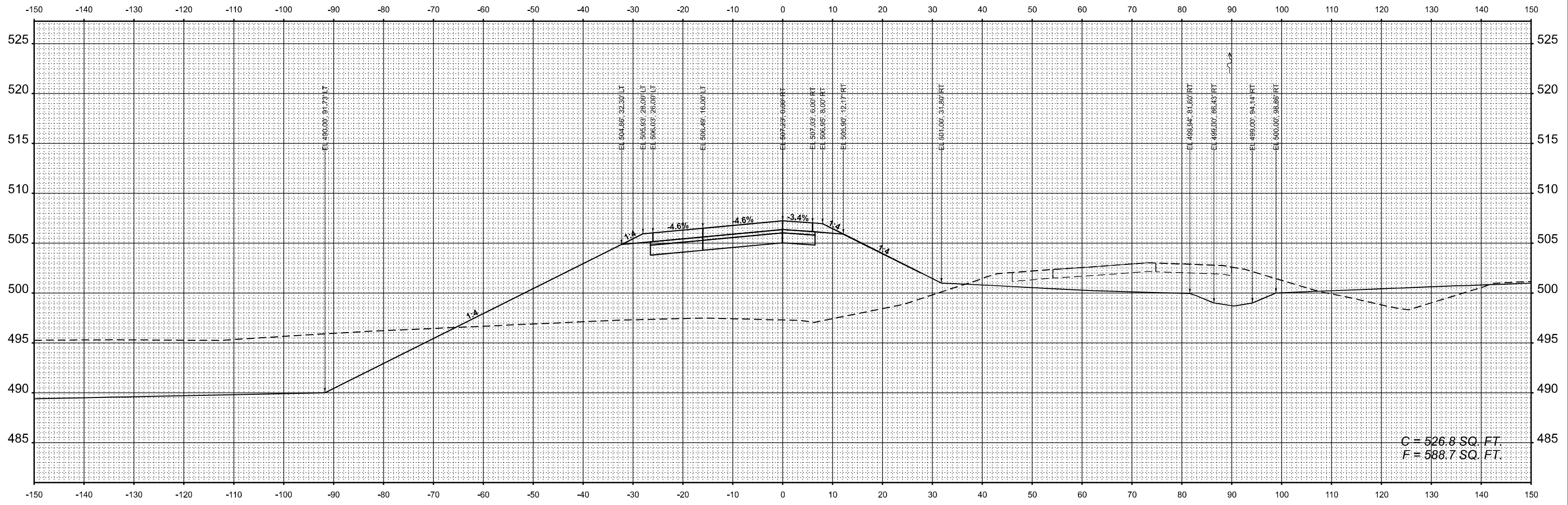
SCALE: 1"=10' SHEET OF SHEETS STA. TO STA.

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	691
CONTRACT NO. 78483				
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: P:\\_ramp\p4 - 53+00.00 (Sheet)  
 FILE NAME: p:\\_ramp\p4 - 53+00.00 (Sheet)\Documents\DOT\200660-4086010\Sheet\378465e\_h\_us\_RAMPB.dgn



STA 53+00.00

USER NAME = Bitan Bond	DESIGNED -	REVISED -
PLOT SCALE = 0.16660000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/15/2024	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS RAMP B			
SCALE: 1"=10'	SHEET	OF SHEETS	STA. TO STA.

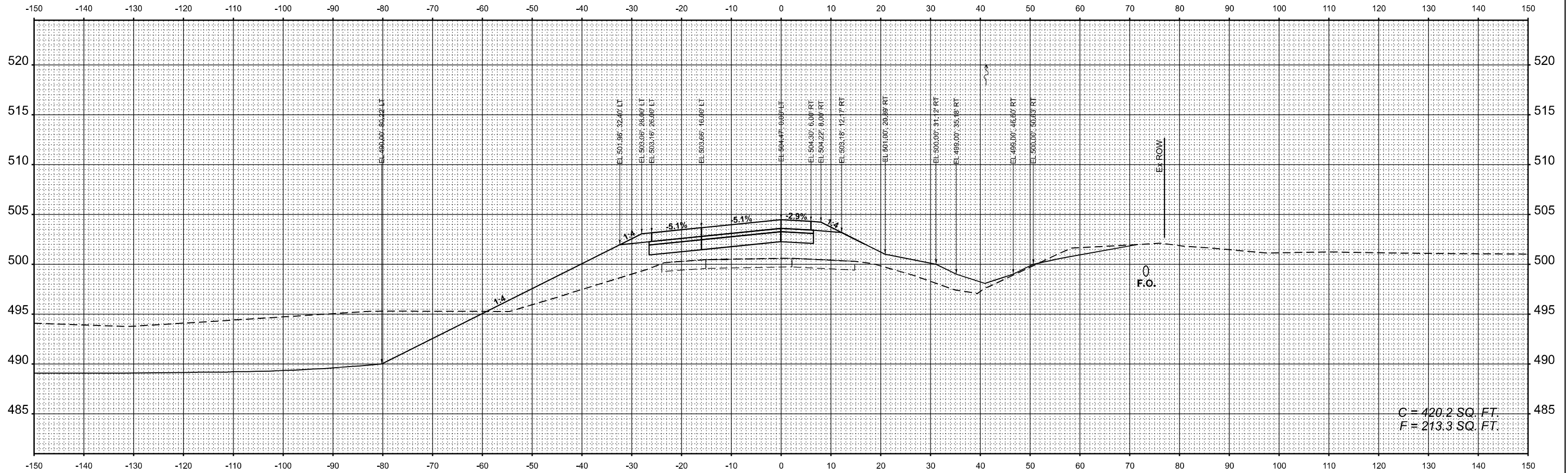
F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	692
CONTRACT NO. 78483				
ILLINOIS FED. AID PROJECT				



FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

MODEL: P:\\_ramp\p4 - 54+00.00 (Sheet)  
 FILE NAME: p:\\_ramp\p4 - 54+00.00 (Sheet)\Documents\DOT\200860-400861\9\Sheet\378465e\_h\_us\_RAMPB.dgn



C = 420.2 SQ. FT.  
 F = 213.3 SQ. FT.

STA 54+00.00

USER NAME = Bitan Bond	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16660000' / in.	CHECKED -	REVISED -
PLOT DATE = 11/15/2024	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 RAMP B

SCALE: 1"=10' SHEET OF SHEETS STA. TO STA.

F.A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	13, 13-2(N-1, TS-1); (41-3)HB2	JEFFERSON	787	694
CONTRACT NO. 78483				
ILLINOIS		FED. AID PROJECT		













