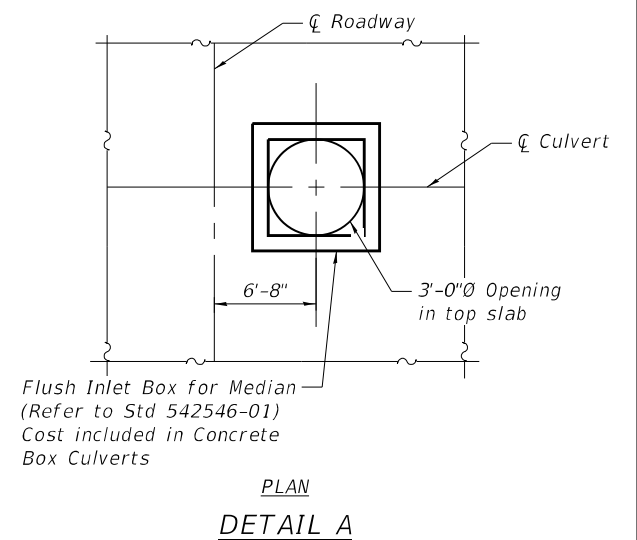
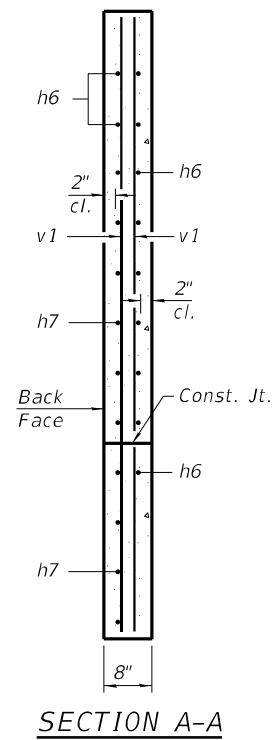
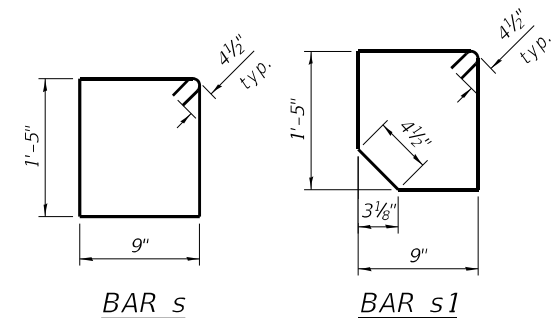
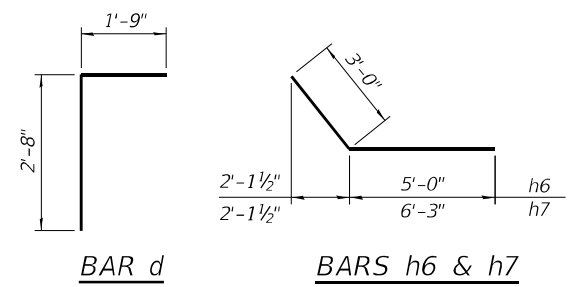
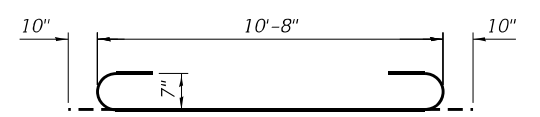
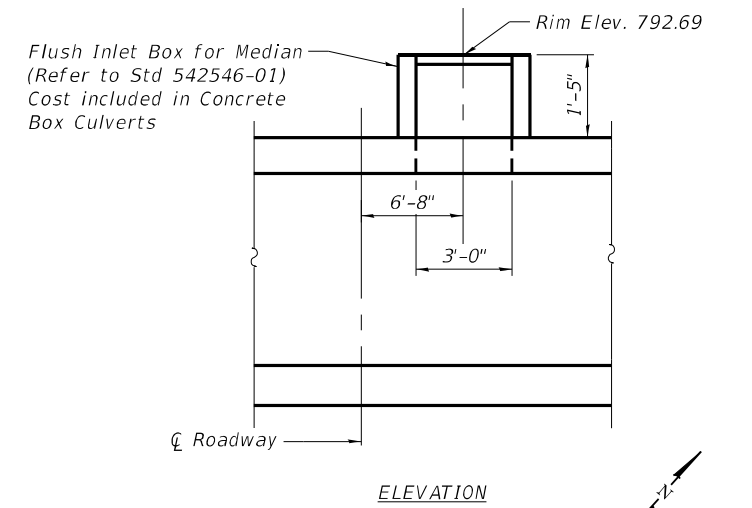
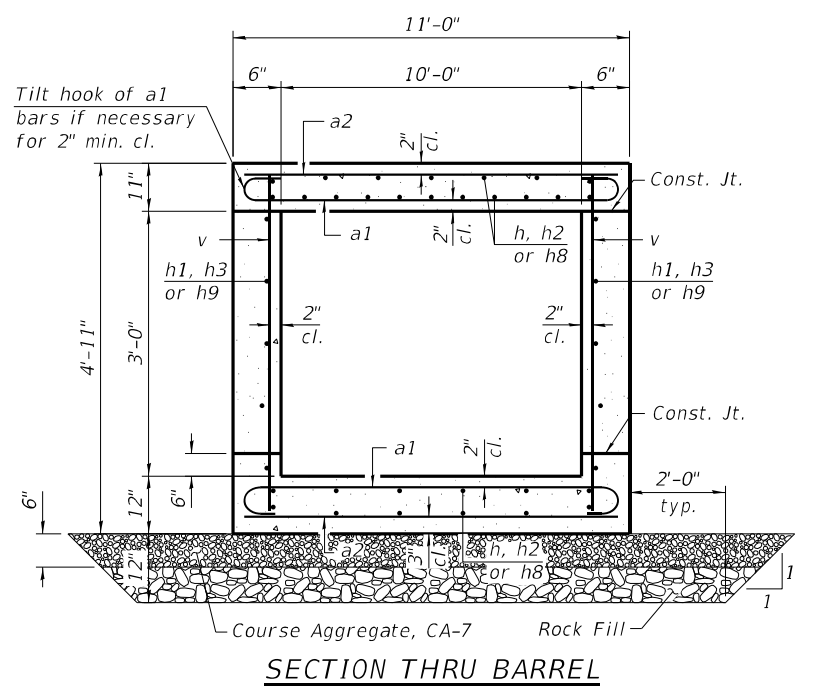
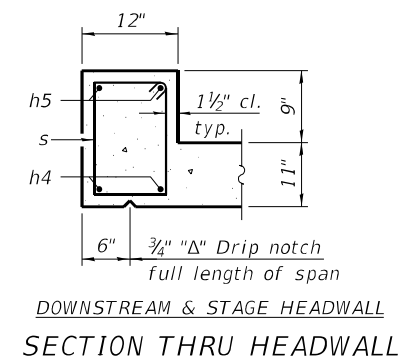
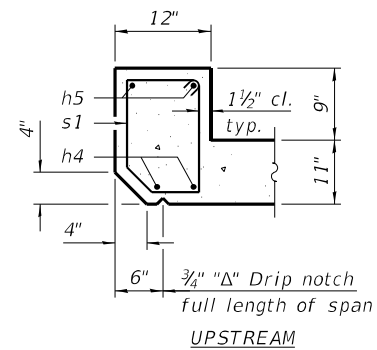


TEMPORARY SOIL RETENTION SYSTEM



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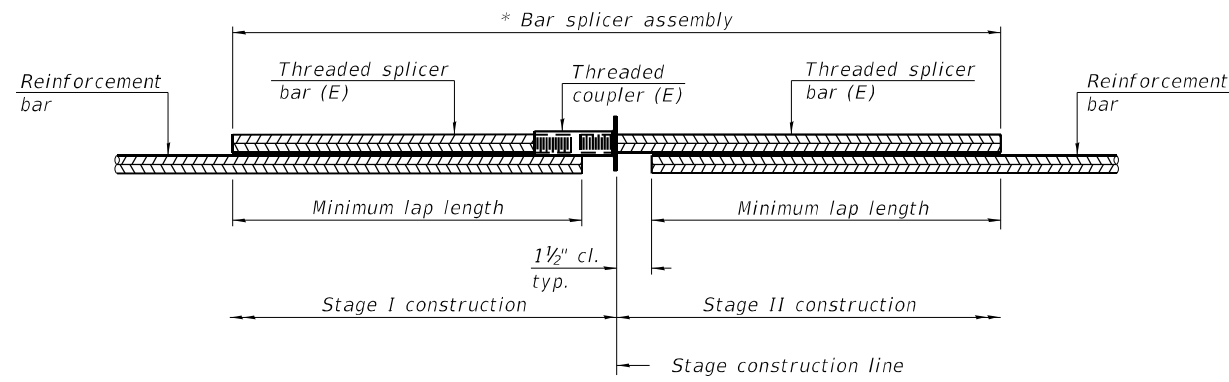


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PLOT DATE =	CHECKED -	CFS	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CULVERT DETAILS
STRUCTURE NO. 010-8172**
SHEET NO. 2 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(10-34-1)HKB	CHAMPAIGN	1187	1001
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

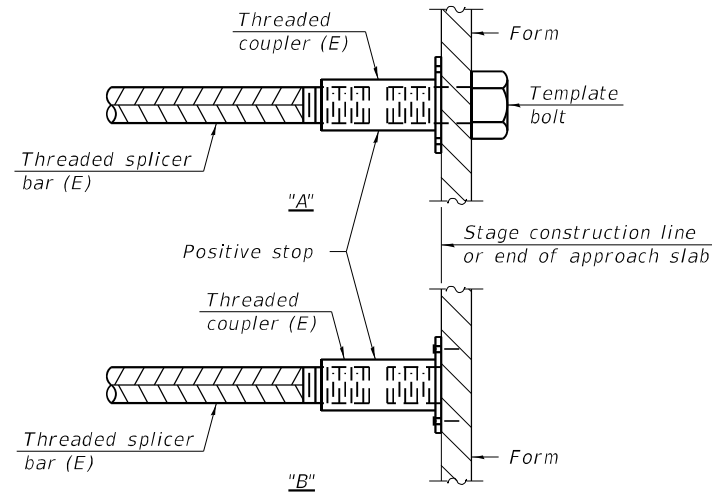


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

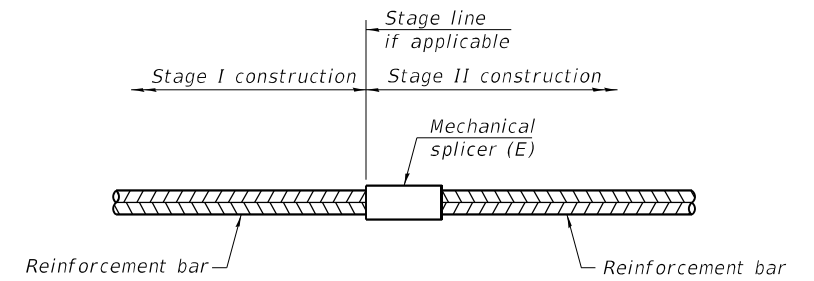
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Top Slab (South)	#6	22	2'-7"
Bott. Slab (South)	#6	22	2'-7"
Side wall (South)	#4	8	1'-9"
Top Slab (North)	#6	22	2'-7"
Bott. Slab (North)	#6	22	2'-7"
Side wall (North)	#4	8	1'-9"



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

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BSD-1

1-1-2020



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO.

SHEET NO. 3 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(10-34-1)HBK	CHAMPAIGN	1187	1002
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

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TOTAL BILL OF MATERIAL

ITEM		
Removal Of Existing Structures No. 5	Each	1
Removal And Disposal Of Unsuitable Material For Structures	Cu. Yd.	167.3
Reinforcement Bars	Pound	88,960
Bar Splicers	Each	88
Name Plates	Each	1
Temporary Soil Retention System	Sq. Ft.	1028
Concrete Box Culverts	Cu. Yd.	375.5
Concrete Collar	Cu. Yd.	6.4
Rock Fill	Cu. Yd.	167.3

WATERWAY INFORMATION

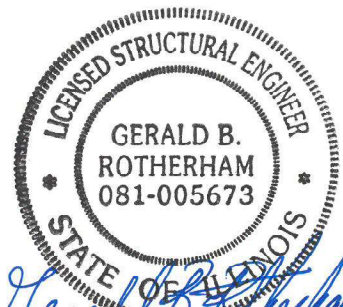
Existing Overtop. Elev. = 781.00 @ Sta. 1044+89.10 (I-74)
 Drainage Area = 0.07 sq. mi. Proposed Overtop. Elev. = 784.06 @ Sta. 209+73.00 (Ramp B)

Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Ten-Year	10	69	7	17	772.12	4.39	0.59	776.51	772.71
Design	50	93	7	21	772.32	7.77	0.86	780.09	773.18
Base	100	105	7	22	772.42	8.83	0.97	781.25	773.39
Overtop Existing		98	7		772.42	9.12		781.54	
Max. Calc.	500	146	7	24	772.72	8.77	1.39	781.49	774.11

Existing 10 Year Outlet Velocity = 10.5 ft/s Proposed 10 Year Outlet Velocity = 4.9 ft/s

STATION 1048+05.00
 BUILT 20__ BY
 STATE OF ILLINOIS
 F.A.I. RTE. 74 - SEC. (10-34-1) HBK
 LOADING HL-93
 STRUCTURE NO. 010-8173

NAME PLATE
 See Std. 515001



Gerald B. Rotherham
 03/09/2021
 EXP: 11/30/2022

GENERAL NOTES

The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.
 The Rock Fill shall be capped with 6 in. of CA7 and satisfy the Standard Specifications unless otherwise indicated in the Special Provisions. The cost of the capping material shall be included in the pay item for "Rock Fill".
 Construction to occur over two separate contracts. The initial contract will include construction of the culvert, ramps, drainage items (pipe culverts, storm sewer), and reconstruction of the portion of the existing F.A.I. Rte. 74 removed to construct the proposed culvert. The second contract will include construction of the final F.A.I. Rte. 74 roadway cross section.
 Per Section 540 of the Standard Specifications, the Contractor shall be responsible for diverting the water flow from the construction area using a method meeting the approval of the Engineer. Also, see Special Provisions concerning dewatering requirements for embankment and structure construction.
 See Roadway Plans for existing pipe culverts and manholes to be removed.
 See Roadway Plans for existing utilities within the limits of proposed construction.

Precast Alternate is not allowed.
 No Salvage

INDEX OF SHEETS

- 1 General Data
- 2 Culvert Details - Longitudinal Section
- 3 Culvert Details - Top & Bottom Slab
- 4 Culvert Details - Staging & Temporary Soil Retention
- 5 Culvert Details - Concrete Collar & Culvert Section
- 6 Bar Splicer Assembly and Mechanical Splicer Details

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

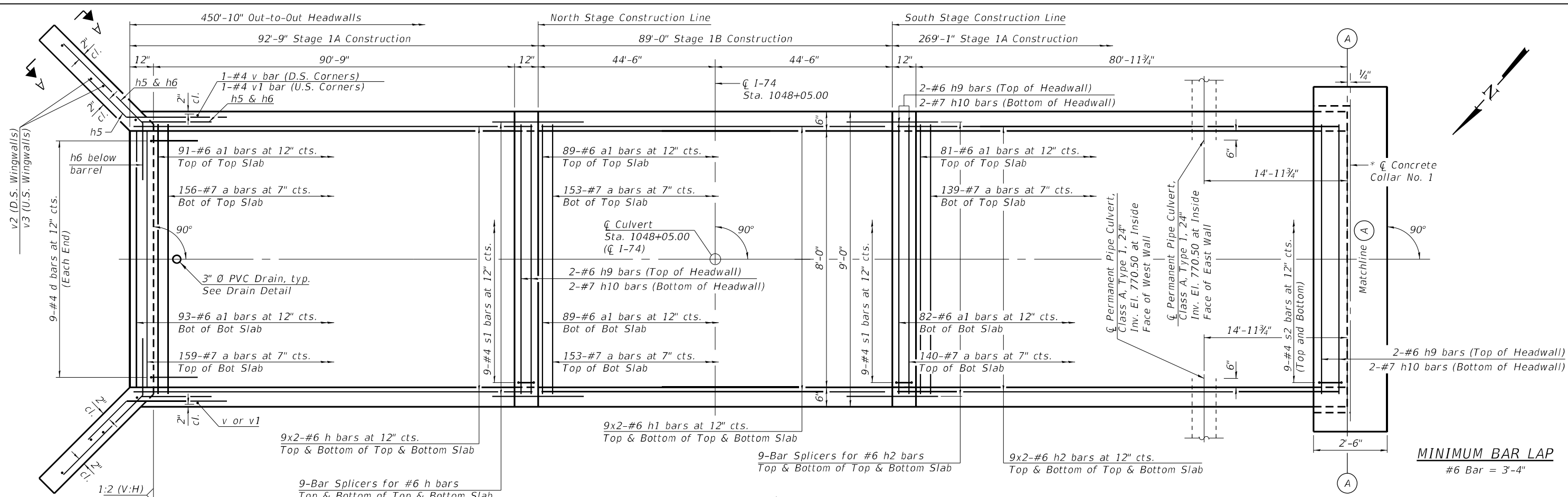
FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

LOADING HL-93

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

BACON FARMER WORKMAN ENGINEERING & TESTING, INC. <small>431 ADAMS COURSE #1000 MARKT, ILLINOIS 62401 PHONE: 618.997.9100</small>	USER NAME ■	DESIGNED - JGY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA STRUCTURE NO. 010-8173	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE ■	DRAWN - JGY	REVISED -	CHECKED - GBR	REVISED -	SHEET 1 OF 6 SHEETS		CONTRACT NO. 70B99		ILLINOIS FED. AID PROJECT	

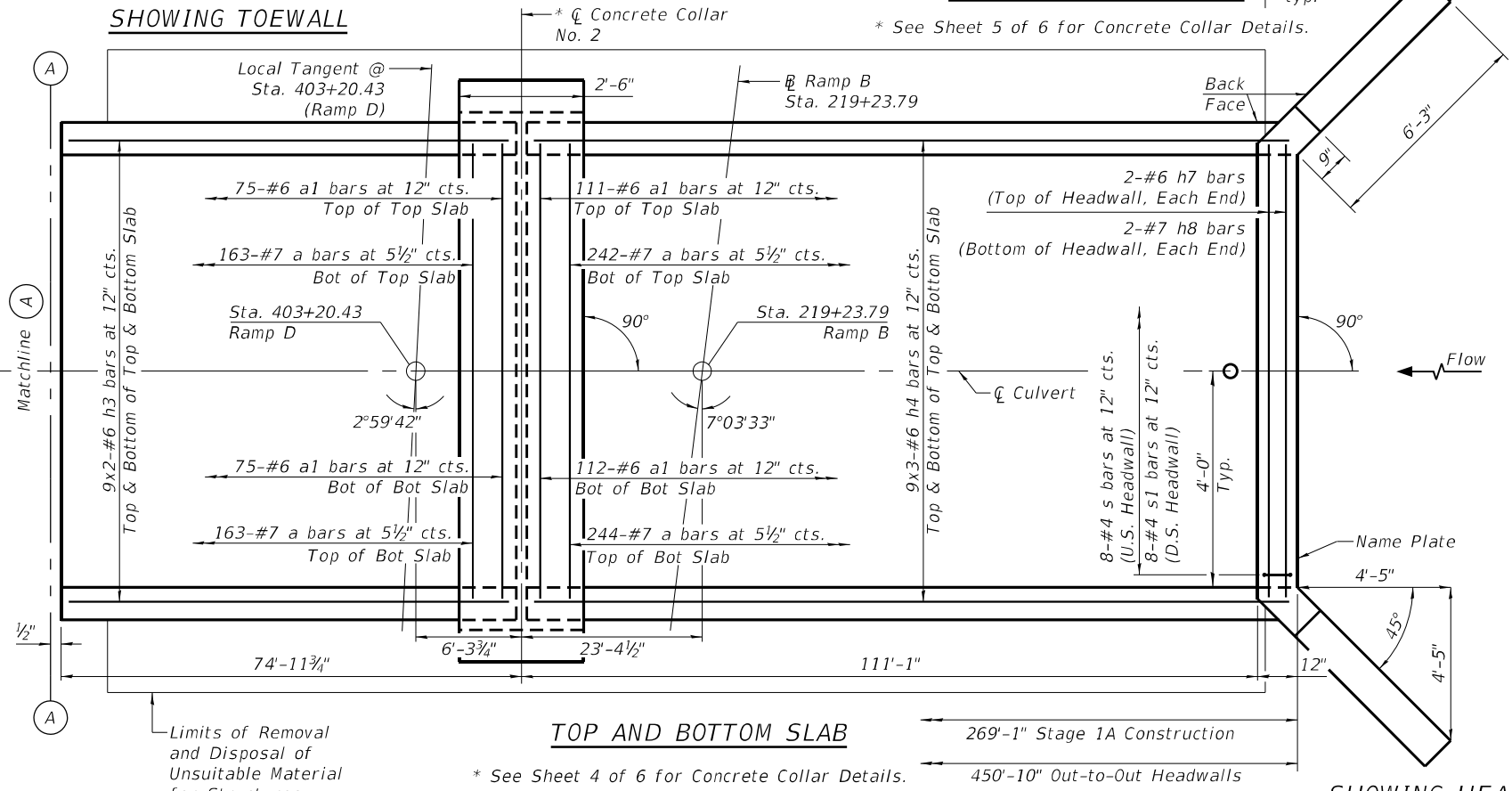
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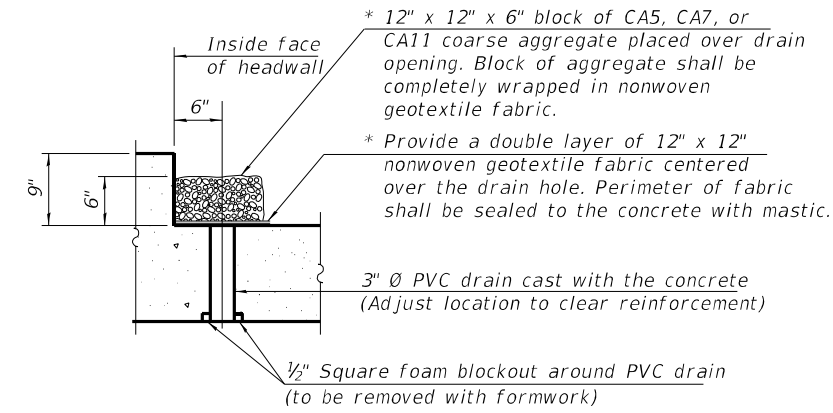
MINIMUM BAR LAP
 #6 Bar = 3'-4"

Notes:
 Bars indicated thus 9x2-#5 etc. indicates 9 lines of bars with 2 lengths per line.
 A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

SHOWING TOEWALL

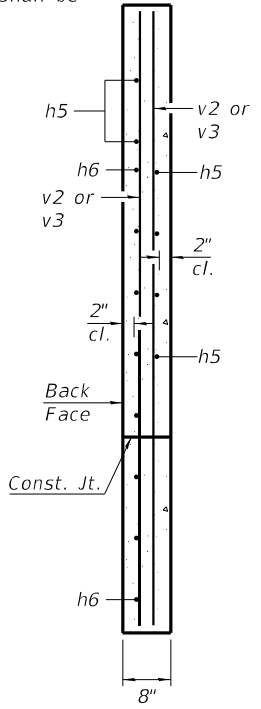


* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



SECTION A-A

BACON | FARMER | WORKMAN
 ENGINEERING & TESTING, INC.
 403 NORTH COURT STREET
 MARIETTA, IL 61758-5029
 PHONE - 815.267.9190

USER NAME =	DESIGNED - JGY	REVISED -
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PLOT DATE =	DRAWN - JGY	REVISED -
	CHECKED - GBR	REVISED -

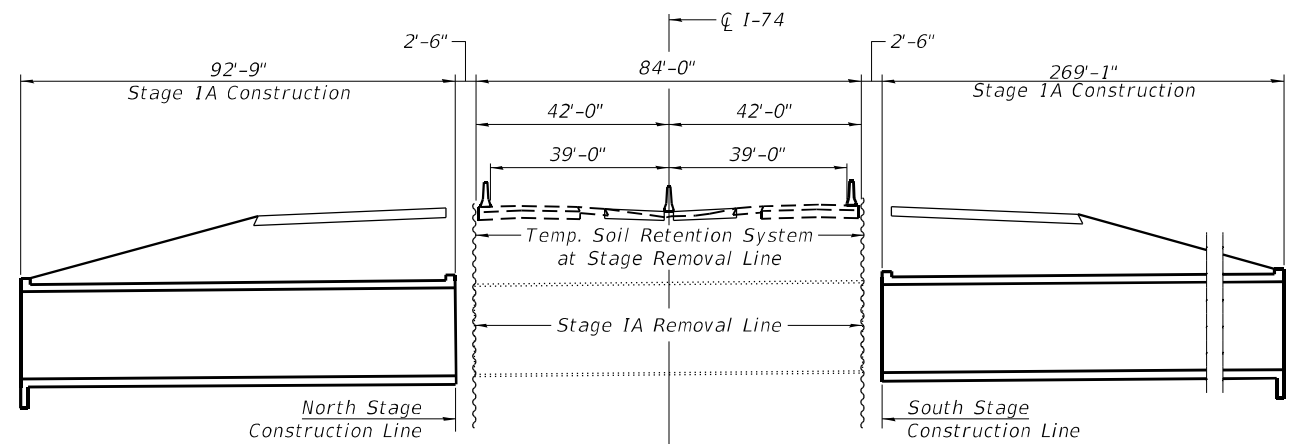
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS - TOP AND BOTTOM SLAB
STRUCTURE NO. 010-8173

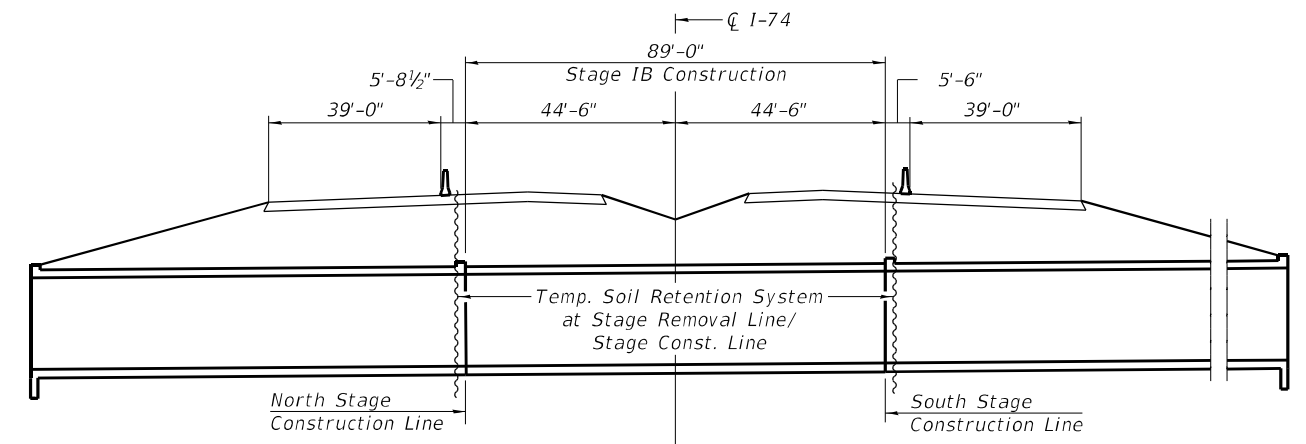
SHEET 3 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				

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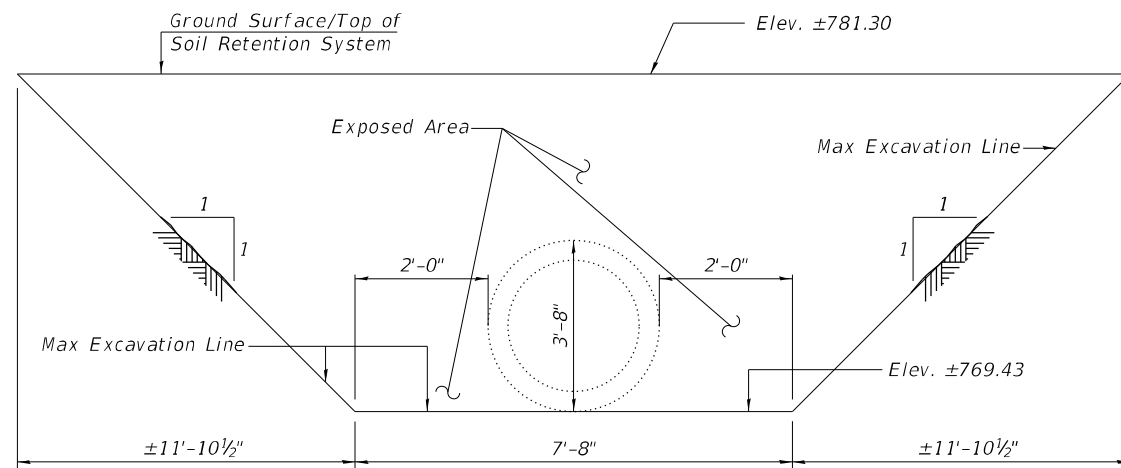


STAGE IA CONSTRUCTION & TRAFFIC
 (Looking East)

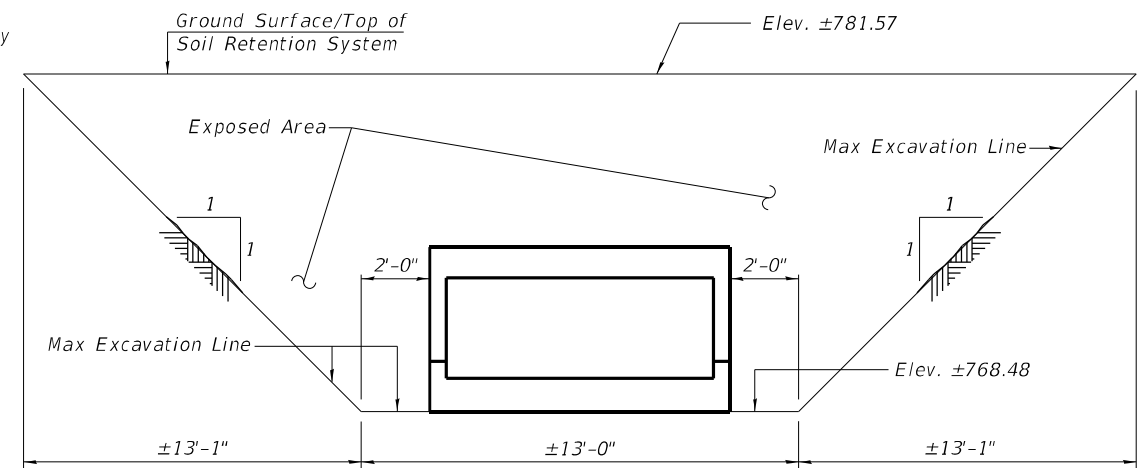


STAGE IB CONSTRUCTION & TRAFFIC
 (Looking East)

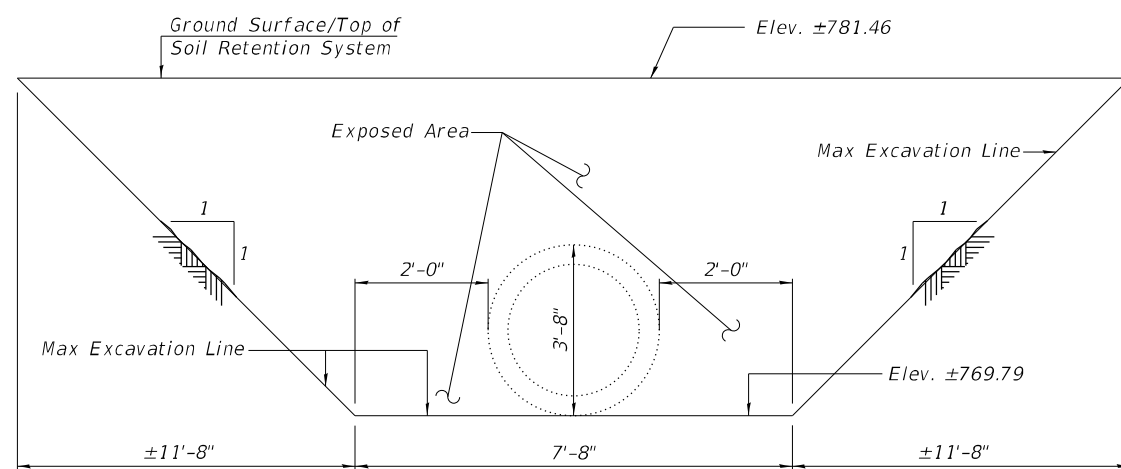
A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



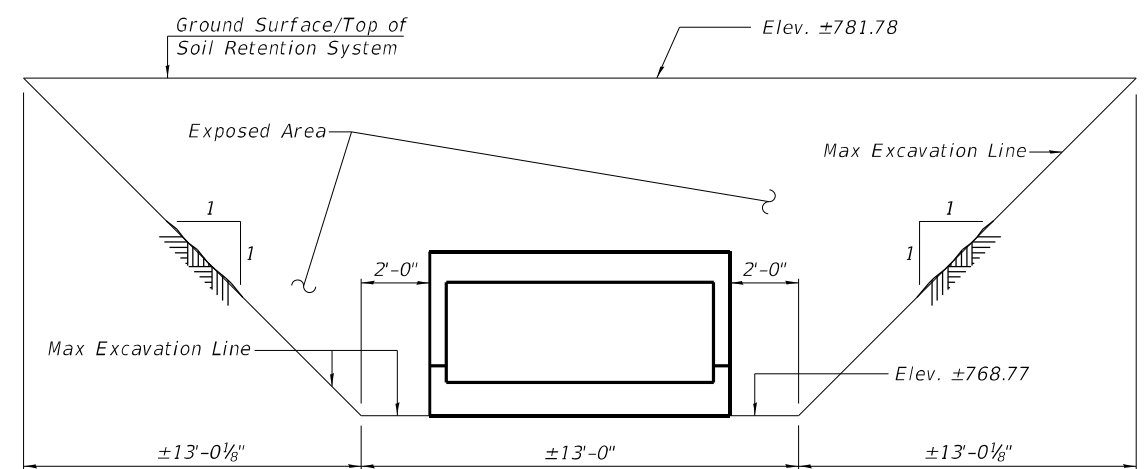
Temporary Soil Retention System
 At North Stage Removal Line (Stage IA)



Temporary Soil Retention System
 At Stage Removal Line/North Stage Construction Line (Stage IB)



Temporary Soil Retention System
 At South Stage Removal Line (Stage IA)



Temporary Soil Retention System
 At Stage Removal Line/South Stage Construction Line (Stage IB)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

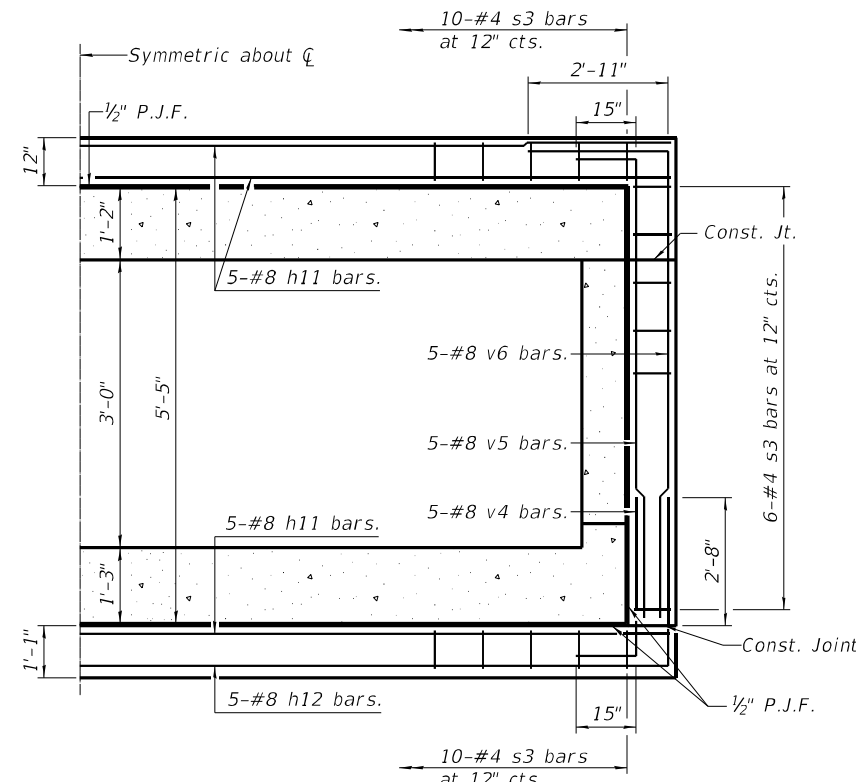
CULVERT DETAILS - STAGING & TEMPORARY SOIL RETENTION
STRUCTURE NO. 010-8173

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PLOT DATE =	DRAWN - JGY	REVISED -
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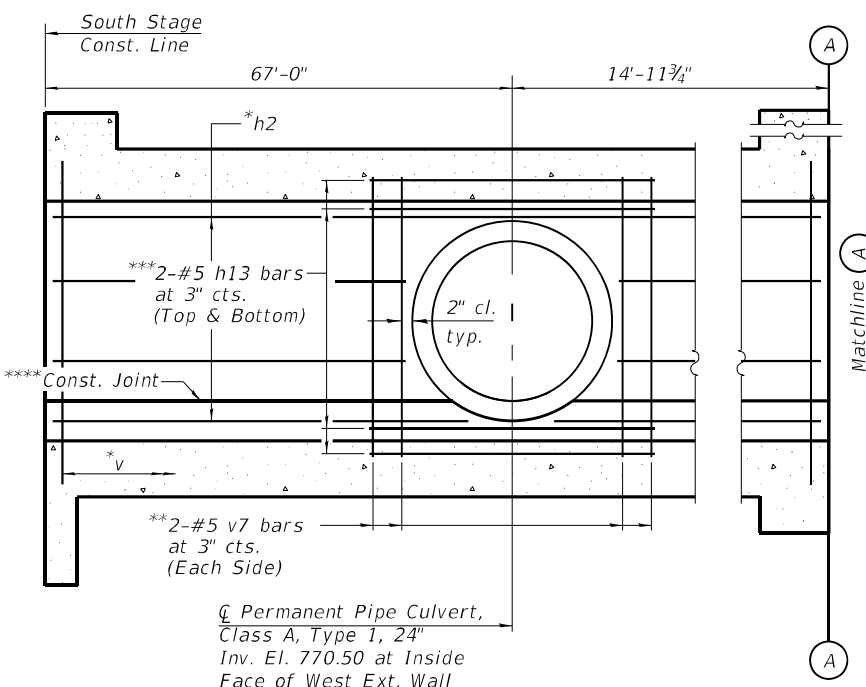
SHEET 4 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				

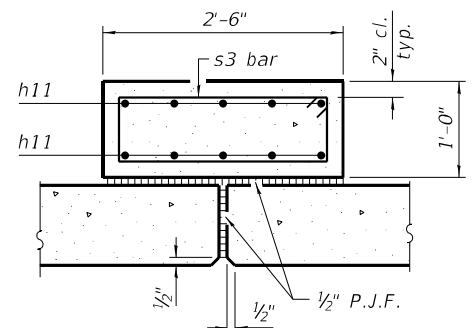
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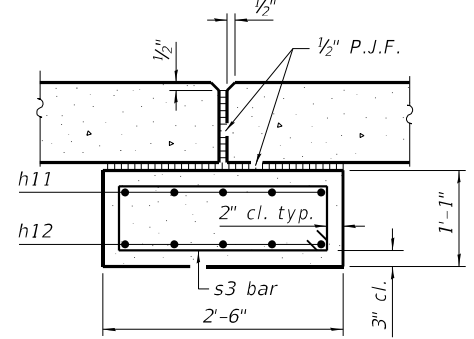
**HALF SECTION THRU BARREL
 AT CONCRETE COLLAR NO. 1 & NO. 2**



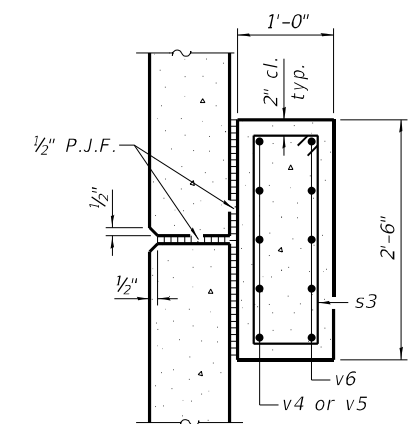
ELEVATION - WEST EXT. WALL
 (Looking East - Dimensions Along Inside Face of West Ext. Wall)
 (Reinforcement In Slabs Not Shown for Clarity)
 (West Wall shown, East Wall similar)



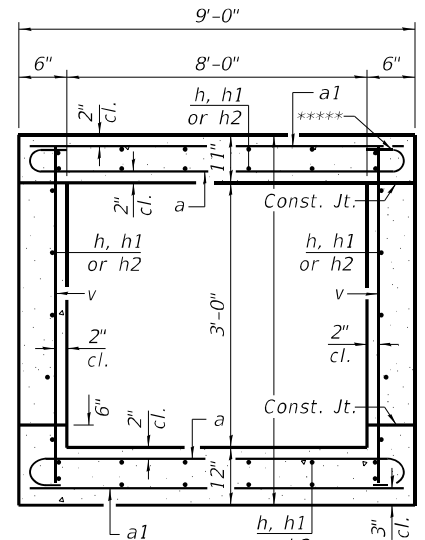
**COLLAR SECTION
 THRU TOP SLAB**
 (Collar No. 1 shown,
 Collar No. 2 similar)



**COLLAR SECTION
 THRU BOTTOM SLAB**
 (Collar No. 1 shown,
 Collar No. 2 similar)

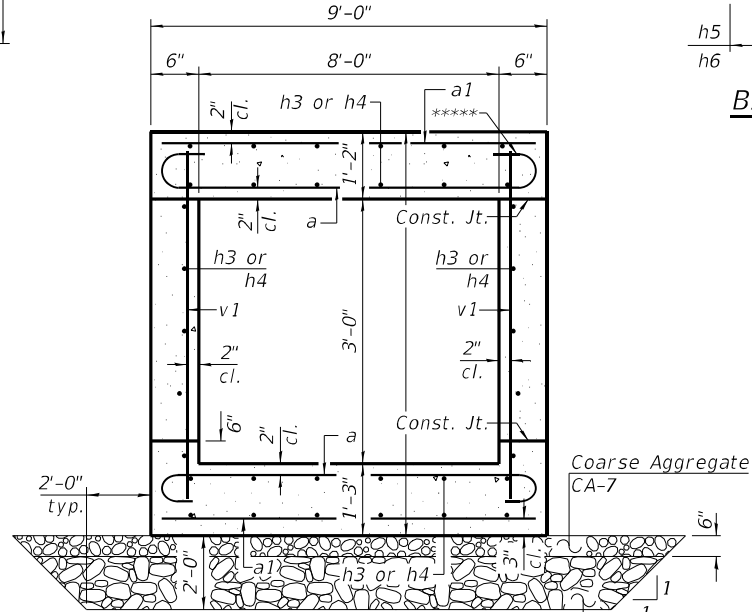


**COLLAR SECTION
 THRU SIDEWALL**
 (Collar No. 1 shown,
 Collar No. 2 similar)



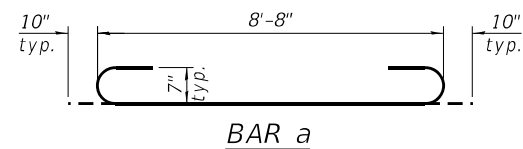
**SECTION THRU BARREL
 NORTH OF COLLAR 1**

**** Tilt hook of a bars if necessary for 2" min cl.

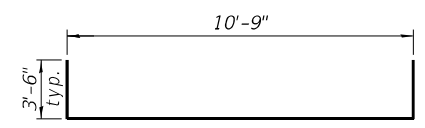


**SECTION THRU BARREL
 SOUTH OF COLLAR 1**

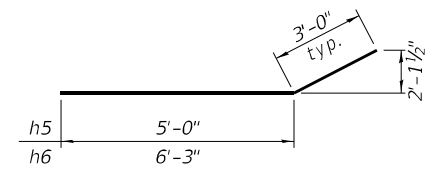
**** Tilt hook of a bars if necessary for 2" min cl.



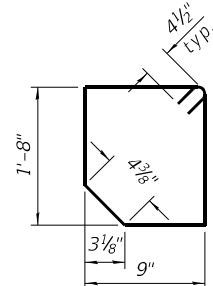
BAR a



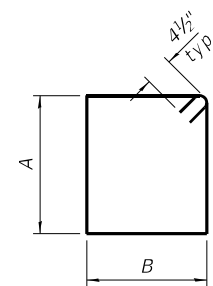
BAR h12



BARS h5 & h6



BAR s

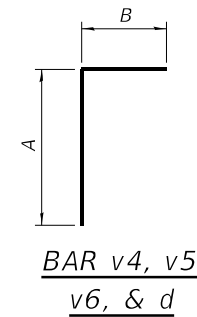


BARS s1, s2 & s3

Bar	A	B
s1	1'-5"	9"
s2	11"	11 3/4"
s3	8"	2'-2"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	1712	#7	10'-4"	U
a1	898	#6	8'-8"	U
a2	2	#4	8'-8"	U
d	18	#4	4'-5"	L
h	88	#6	47'-11"	U
h1	88	#6	46'-0"	U
h2	88	#6	42'-6"	U
h3	88	#6	39'-0"	U
h4	132	#6	39'-6"	U
h5	24	#5	8'-0"	U
h6	32	#5	9'-3"	U
h7	4	#6	7'-9"	U
h8	4	#7	7'-9"	U
h9	6	#6	8'-8"	U
h10	6	#7	8'-8"	U
h11	30	#8	10'-9"	U
h12	10	#8	17'-9"	U
h13	8	#5	3'-6"	U
s	8	#4	5'-6"	U
s1	26	#4	5'-1"	U
s2	18	#4	4'-7"	U
s3	64	#4	6'-5"	U
v	1152	#4	4'-6"	U
v1	816	#4	5'-0"	U
v2	8	#4	7'-3"	U
v3	8	#4	7'-6"	U
v4	20	#8	4'-9"	U
v5	20	#8	7'-1"	U
v6	20	#8	9'-1"	U
v7	8	#5	3'-6"	U
Concrete Box Culverts			Cu. Yd.	375.5
Reinforcement Bars			Pound	88,960



**BAR v4, v5,
 v6, & d**

Bar	A	B
v4	3'-6"	1'-3"
v5	5'-10"	1'-3"
v6	6'-2"	2'-11"
d	2'-8"	1'-9"

Notes:
 Pipe section shall be cast in the exterior culvert walls at the location shown. The end shall extend a minimum of 6 inches past the inside face of wall. The pipe shall extend through and beyond the outside face a sufficient distance to allow connections. The maximum length of section cast into the walls should be 4 feet.
 The Contractor shall carefully construct the wall around the pipe to prevent leakage along the surfaces. The Contractor shall seal any voids between the culvert wall and section with non-shrink grout per Article 1024.02 of the Standard Specifications.
 The cost of the connection shall not be paid for separately but shall be included in the length of pipe culvert of the class, type, and size shown.

*Cut bars in field 2" clear of pipes.
 **Placed behind (Outside Face) of h2 bars.
 ***Placed behind (Outside Face) of v9 bars.
 ****Form construction joint around outer diameter of pipe culvert.

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

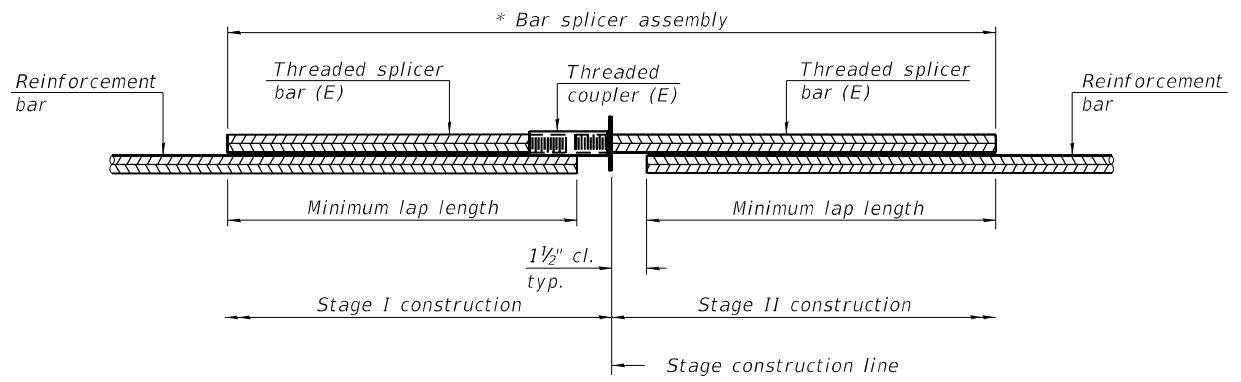
**CULVERT DETAILS - CONCRETE COLLAR & CULVERT SECTION
 STRUCTURE NO. 010-8173**

SHEET 5 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(10-34-1) HBK	CHAMPAIGN	1187	1007

CONTRACT NO. 70B99
 ILLINOIS FED. AID PROJECT

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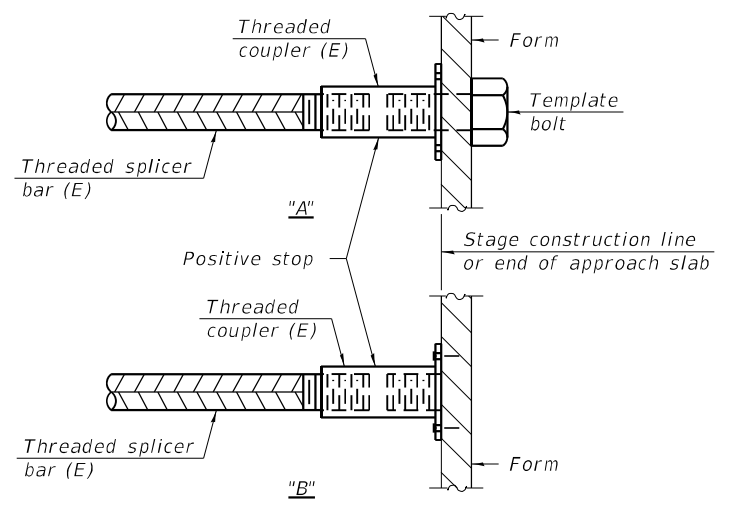


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

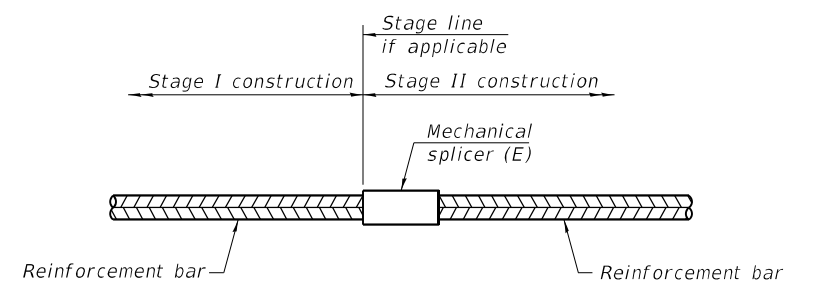
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Top slab	#6	36	3'-4"
Walls	#6	16	3'-4"
Bottom slab	#6	36	3'-4"



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1 1-1-2020

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		CHECKED - GBR	REVISED -

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DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 010-8173

SHEET 6 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(10-34-1) HBK	CHAMPAIGN	1187	1008
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70B99	

Bench Mark: B.M. #4409-6 Chiseled "□" on top of east concrete foundation for overhead sign for NB traffic.
Sta. 502+00, 81' RT (I-57). Elev. 773.35.

Existing Structure: S.N. 010-8021 was built in 1963 under F.A.I. Route 57, Section 10-34-1. The existing structure is a single 8'x3' R.C. box culvert. The culvert length is 171'-6". Traffic to be maintained utilizing stage construction.

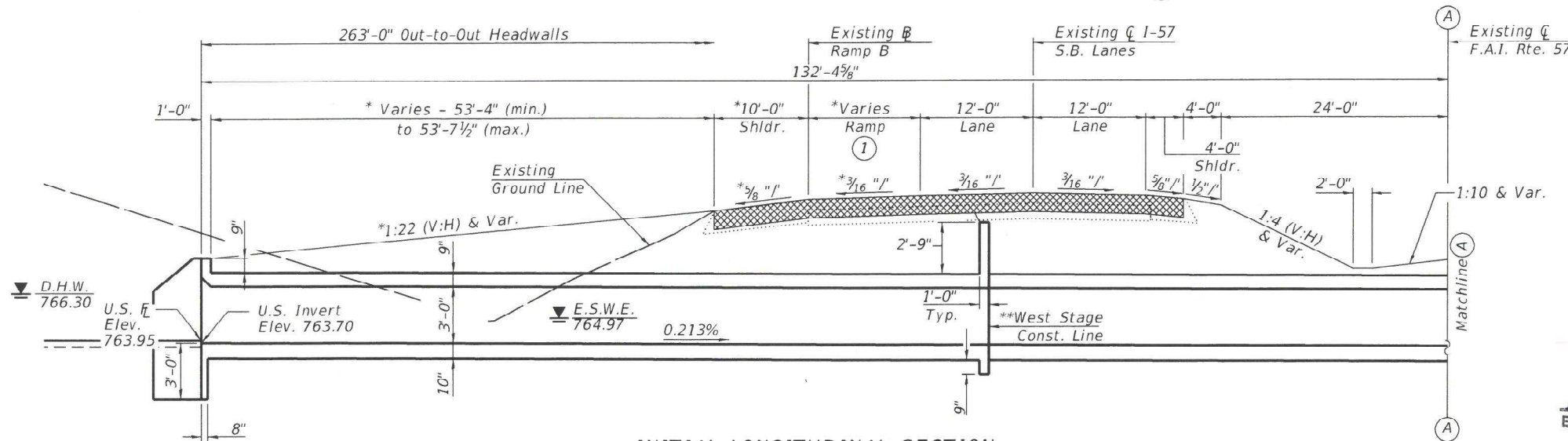
No Salvage

- * At Rt. L's to Existing Ramp B
- ** For Proposed Culvert
- *** For Backfilling Existing Culvert
- ▨ - Indicates Temporary Pavement
- ▭ - Indicates Limits of Controlled Low-Strength Material
- ① Varies - 11'-8 1/8" (min.) to 12'-0 1/2" (max.)

GENERAL NOTES

Precast Alternate is not allowed.
Construction to occur over two separate contracts. The initial contract will include construction of the culvert, ramps, drainage items, and the reconstruction of the portion of the existing F.A.I. Rte. 57 roadway pavement removed to construct the proposed culvert and remove the existing culvert. The second contract will include construction of the final F.A.I. Rte. 57 roadway cross section.

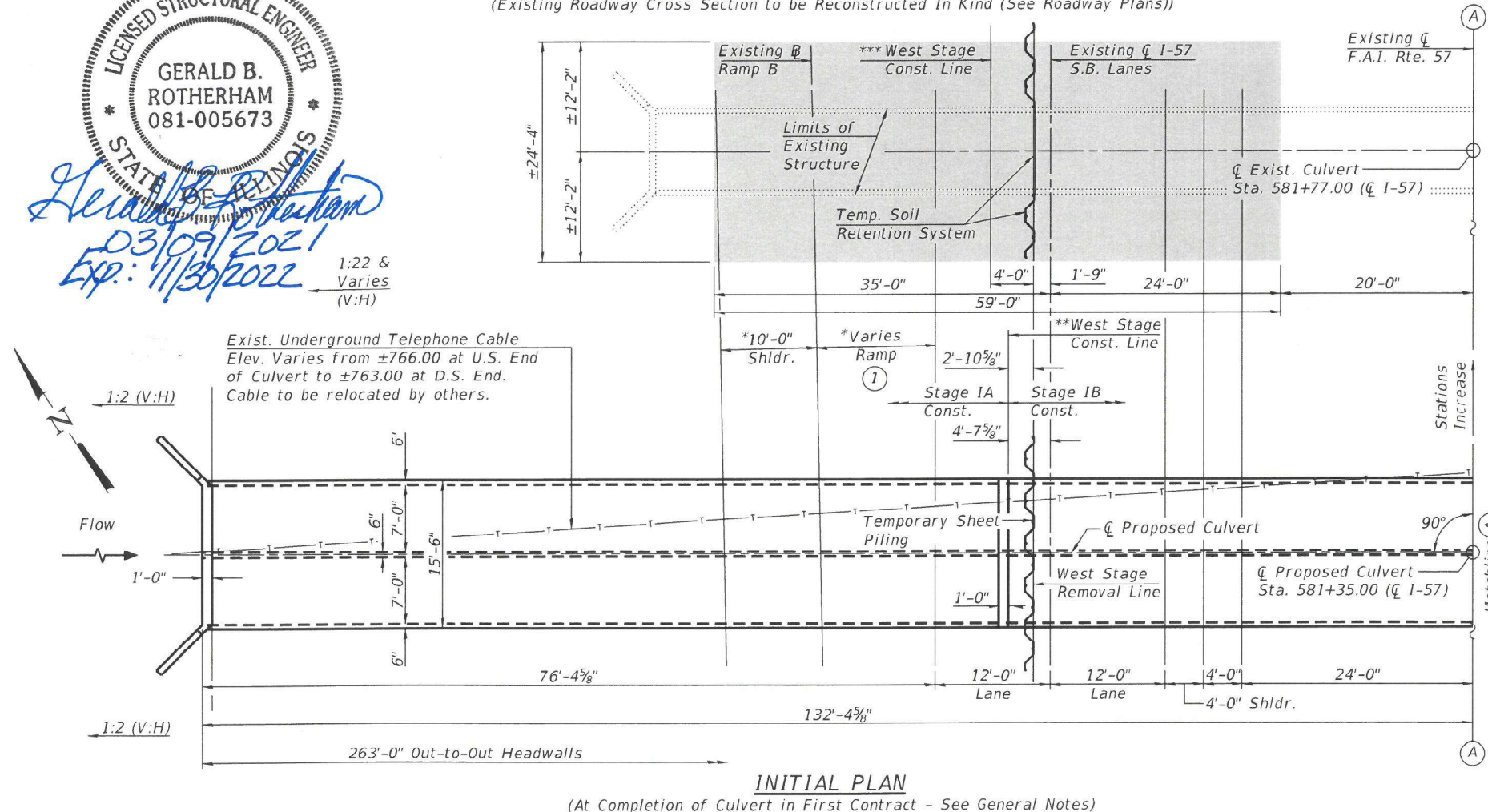
Per Section 540 of the Standard Specifications, the Contractor shall be responsible for diverting the water flow from the construction area using a method meeting the approval of the Engineer. Also, see Special Provisions concerning dewatering requirements for embankment and structure construction.
Backfilling required due to the removal of the Existing Structure (SN 010-8021), beyond the limits of Controlled Low-Strength Material, shall be according to Section 502 of the Standard Specifications and is included with the cost of Removal of Existing Structure No. 3.
See Sheet 2 of 16 for Waterway Information and a Section Thru Barrel showing the limits for Membrane Waterproofing for Buried Structures.
See Sheet 3 of 16 for F.A.I. Rte 57 and Ramp B Profile Grades.
See Roadway Plans for Profile Grade of Ramp A.
Minimum and Maximum dimensions are taken from within or to the limits of the proposed culvert.



APPROVED
For Structural Adequacy Only
[Signature]
Engineer of Bridges & Structures

INITIAL LONGITUDINAL SECTION
(At Completion of Culvert in First Contract - See General Notes)
(Looking North)
(Horiz. Dims. and Slopes are at Rt. L's to Existing C F.A.I. Rte. 57 unless otherwise noted)
(Existing Roadway Cross Section to be Reconstructed In Kind (See Roadway Plans))

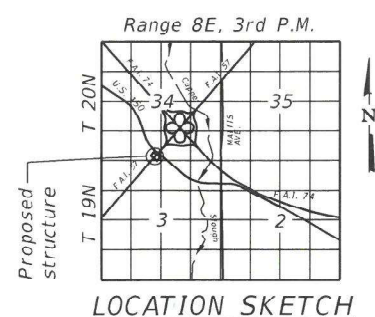
LICENSED STRUCTURAL ENGINEER
GERALD B. ROTHERHAM
081-005673
STATE OF ILLINOIS
[Signature]
03/09/2021
Exp: 11/30/2022
1:22 & Varies (V:H)



STATION 581+35.00
BUILT 20__ BY
STATE OF ILLINOIS
F.A.I. RTE. 57 - SEC. (10-34-1) HBK
LOADING HL-93
STRUCTURE NO. 010-8174

NAME PLATE
See Std. 515001

- INDEX OF SHEETS**
- 1-4 General Plan & Elevation
 - 5-6 Stage Construction Details
 - 7 Temporary Sheet Piling & Soil Retention System
 - 8 Temporary Slab Support Details
 - 9 Culvert Details - Top & Bottom Slabs
 - 10 Culvert Details - Longitudinal Section
 - 11 Culvert Section & Details
 - 12 Backfilling Details
 - 13 Bar Splicer Assembly & Mechanical Splicer Details
 - 14-16 Soil Boring Logs



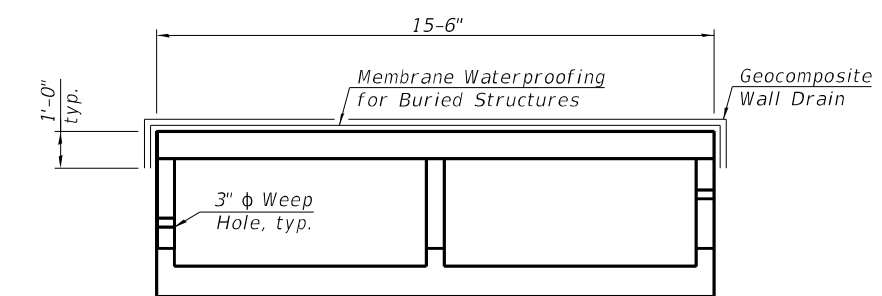
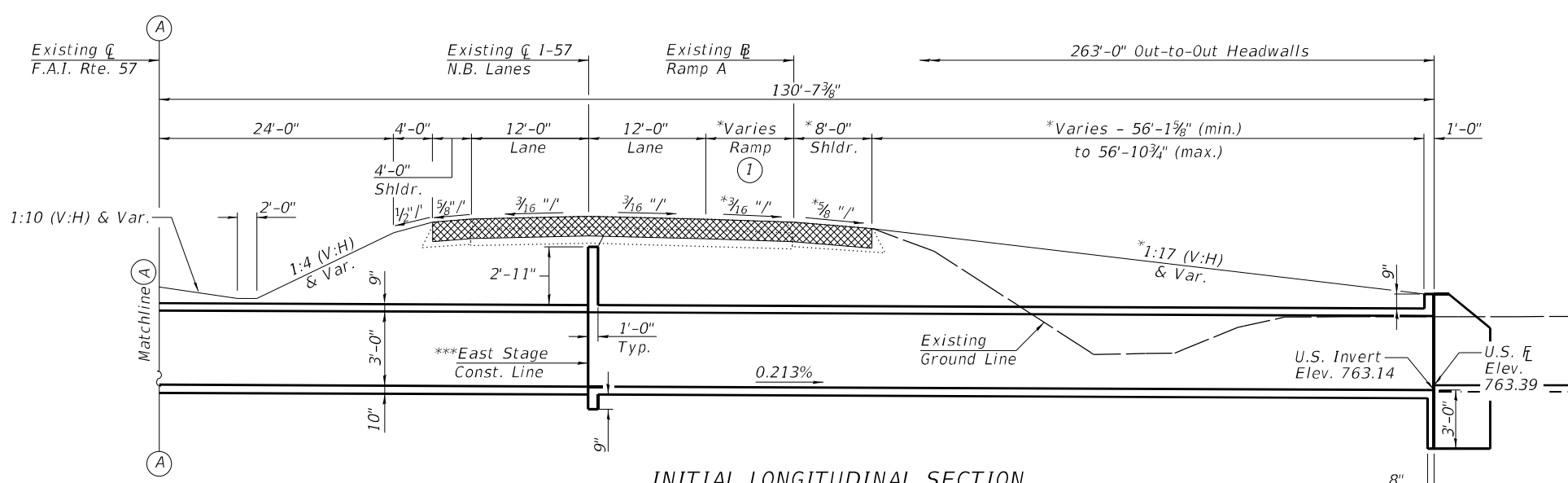
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal Of Existing Structures No. 3	Each	1
Reinforcement Bars	Pound	60,960
Bar Splicers	Each	152
Name Plates	Each	1
Temporary Sheet Piling	Sq. Ft.	1069
Temporary Soil Retention System	Sq. Ft.	359
Concrete Box Culverts	Cu. Yd.	293.4
Geocomposite Wall Drain	Sq. Yd.	504
Controlled Low-Strength Material	Cu. Yd.	467
Temporary Support System, Location 3	Each	2
Membrane Waterproofing System For Buried Structures	Sq. Yd.	504

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
fy = 60,000 psi (Reinforcement)
GENERAL PLAN & ELEVATION
I-57 OVER UNNAMED DITCH
F.A.I. RTE. 57 - SEC. (10-34-1) HBK
CHAMPAIGN COUNTY
STATION 581+35.00
S.N. 010-8174
(Sheet 1 of 4)

Note:
Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.



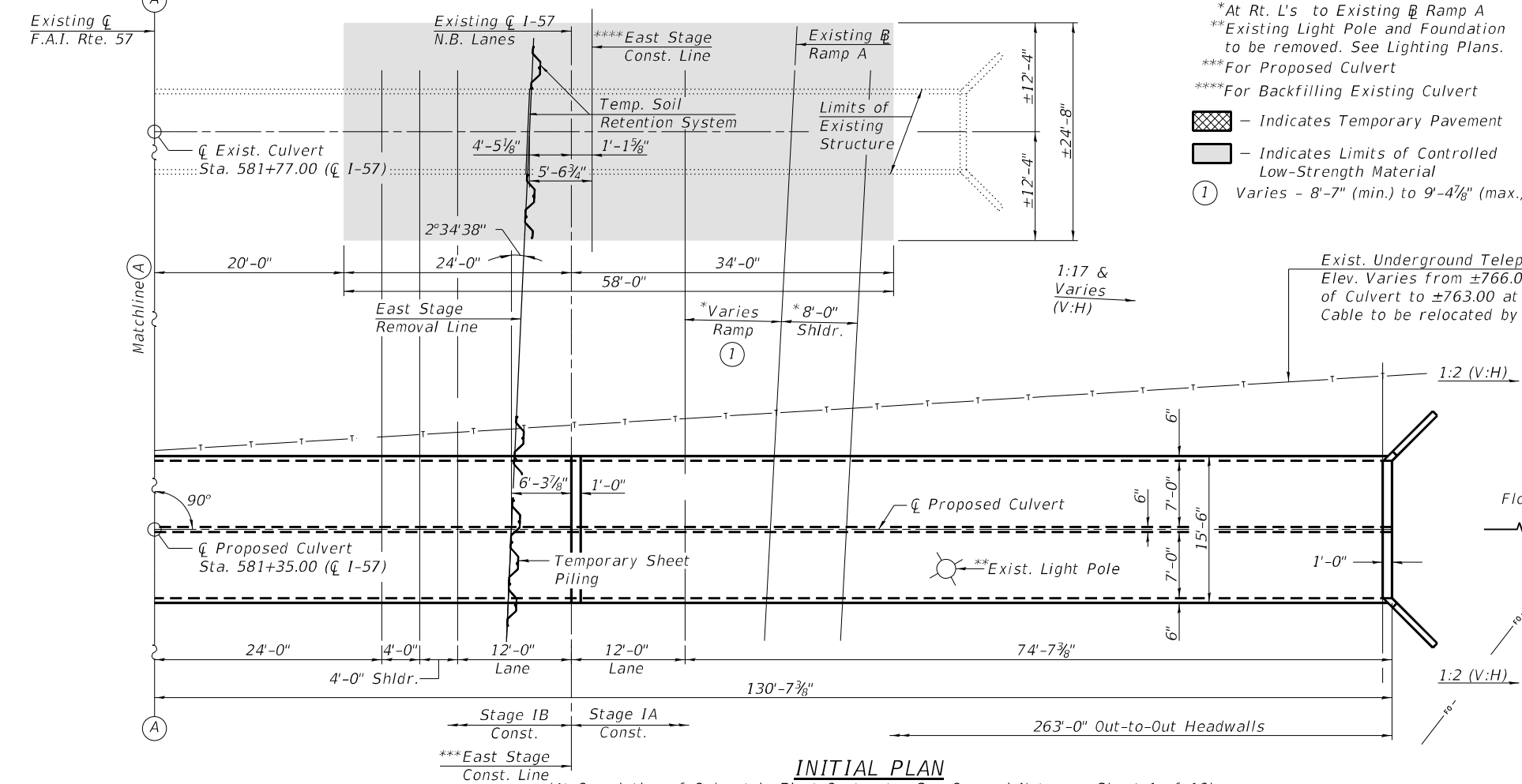
INITIAL LONGITUDINAL SECTION
(At Completion of Culvert in First Contract - See General Notes on Sheet 1 of 16)
(Looking North)
(Horiz. Dims. and Slopes are at Rt. L's to Existing \bar{C} F.A.I. Rte. 57 unless otherwise noted)
(Existing Roadway Cross Section to be Reconstructed In Kind (See Roadway Plans))

WATERWAY INFORMATION

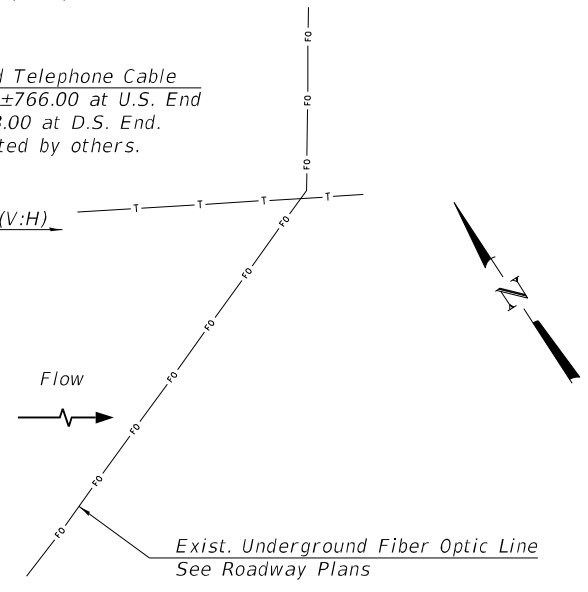
Existing Overtop. Elev. = 771.50 @ Sta. 582+32.00 (I-57)
Drainage Area = 0.8 sq. mi. Proposed Overtop. Elev. = 770.01 @ Sta. 242+20.00 (Ramp B)

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.		Head - Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Ten-Year	10	132	24	34	766.00	1.03	0.15	767.03	766.15	
Design	50	181	24	42	766.30	1.53	0.38	767.83	766.68	
Base	100	205	24	42	766.50	2.19	0.46	768.69	766.96	
Overtopping Exist.										
Overtopping Proposed										
Max. Calc.										
	500	279	24	42	766.90	4.30	1.35	771.20	768.25	

Existing 10 Year Outlet Velocity = 6.6 ft/s Proposed 10 Year Outlet Velocity = 3.8 ft/s



- *At Rt. L's to Existing \bar{B} Ramp A
- **Existing Light Pole and Foundation to be removed. See Lighting Plans.
- ***For Proposed Culvert
- ****For Backfilling Existing Culvert
- ⊗ - Indicates Temporary Pavement
- ⊡ - Indicates Limits of Controlled Low-Strength Material
- ① - Varies - 8'-7" (min.) to 9'-4 7/8" (max.)



INITIAL PLAN
(At Completion of Culvert in First Contract - See General Notes on Sheet 1 of 16)

(Sheet 2 of 4)

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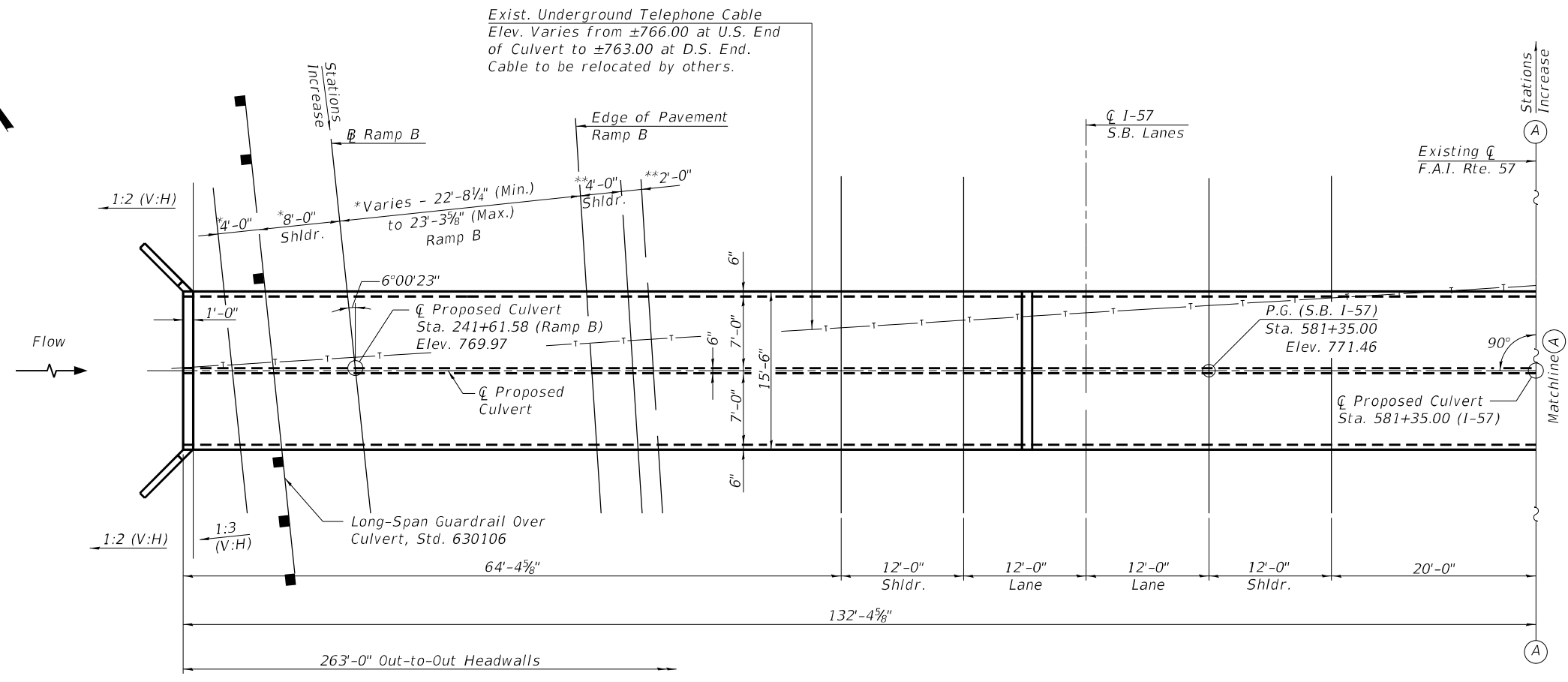
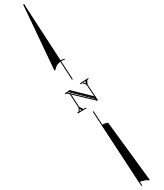
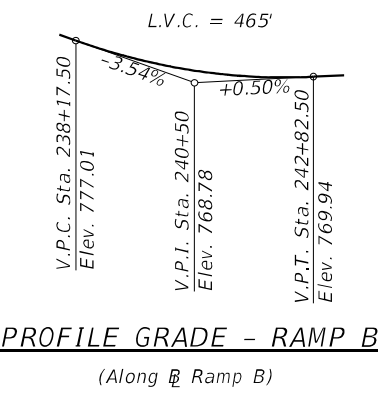
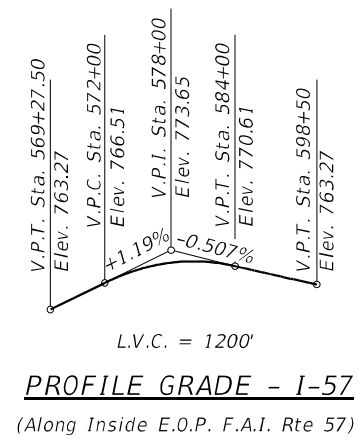
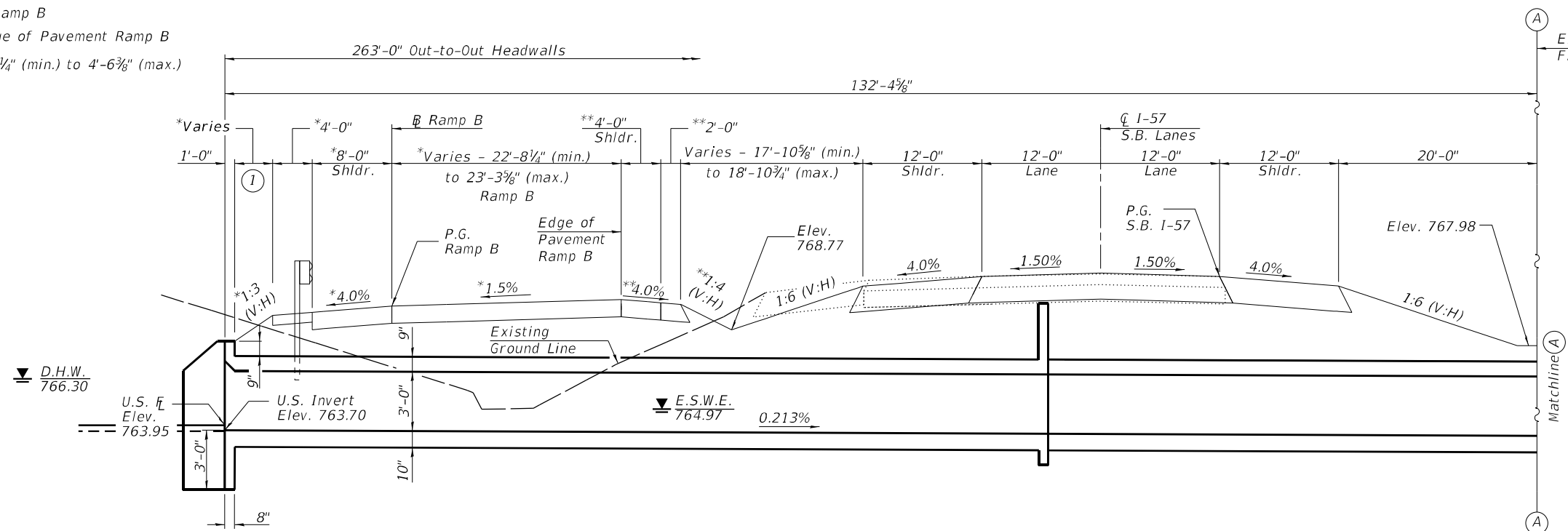
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 010-8174
SHEET 2 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1) HBK	CHAMPAIGN	1187	1010
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				

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*At Rt. L's to Ramp B
 **At Rt. L's to Edge of Pavement Ramp B
 ① Varies - 3'-0 1/4" (min.) to 4'-6 3/8" (max.)



Exist. Underground Telephone Cable
 Elev. Varies from ± 766.00 at U.S. End
 of Culvert to ± 763.00 at D.S. End.
 Cable to be relocated by others.

(Sheet 3 of 4)

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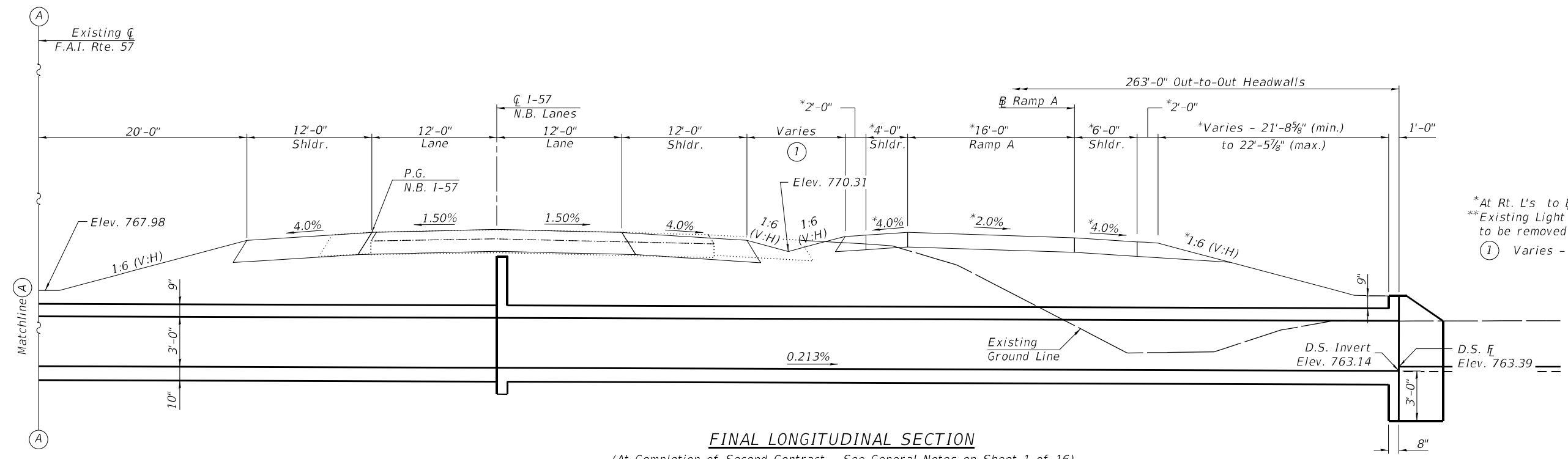
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 010-8174

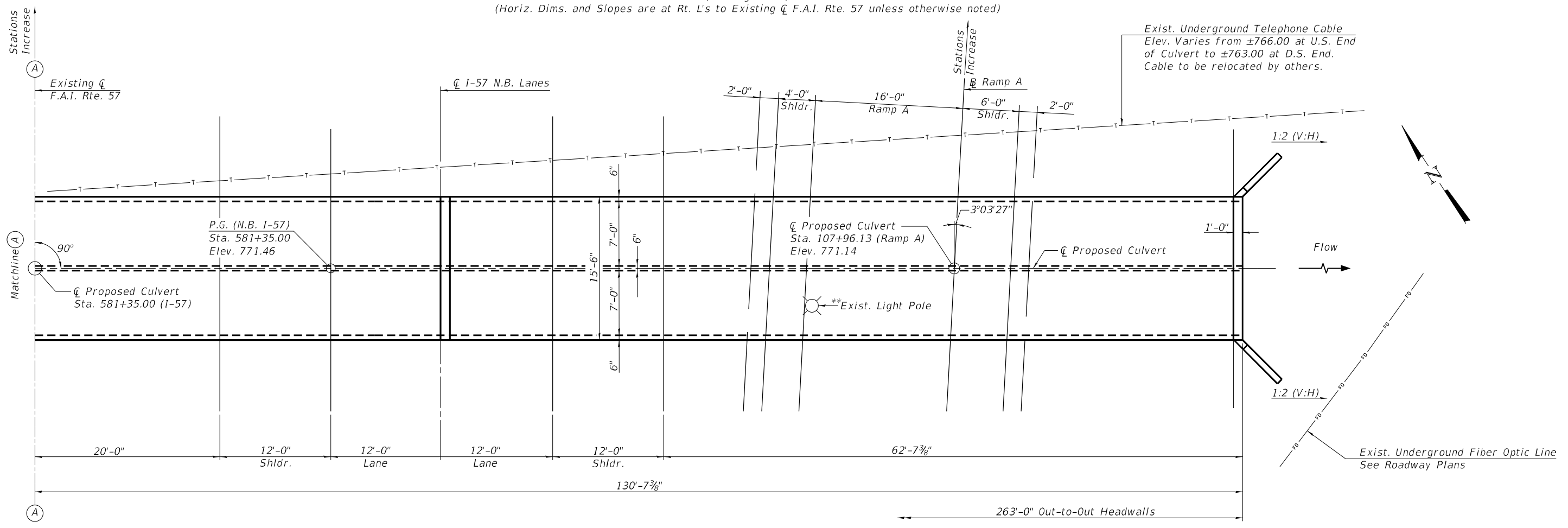
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*At Rt. L's to \bar{B} Ramp A
 **Existing Light Pole and Foundation to be removed. See Lighting Plans.
 (1) Varies - 9'-0 1/4" (min.) to 9'-10 1/8" (max.)



Exist. Underground Telephone Cable
 Elev. Varies from ± 766.00 at U.S. End of Culvert to ± 763.00 at D.S. End. Cable to be relocated by others.

Exist. Underground Fiber Optic Line
 See Roadway Plans

(Sheet 4 of 4)

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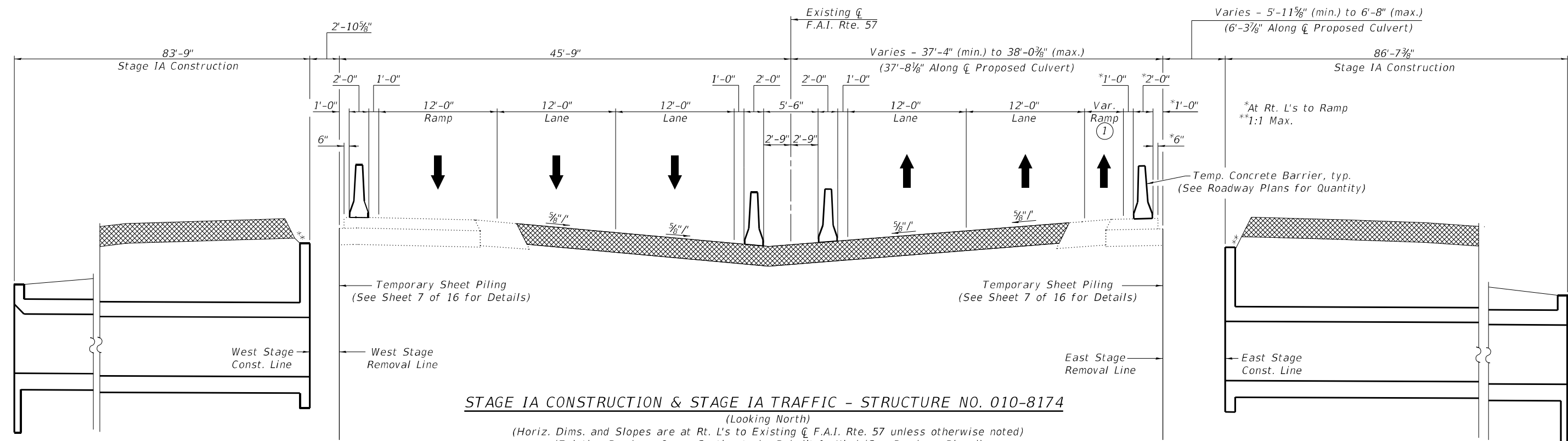
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 010-8174
 SHEET 4 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1) HBK	CHAMPAIGN	1187	1012
CONTRACT NO. 70B99				
		ILLINOIS	FED. AID PROJECT	

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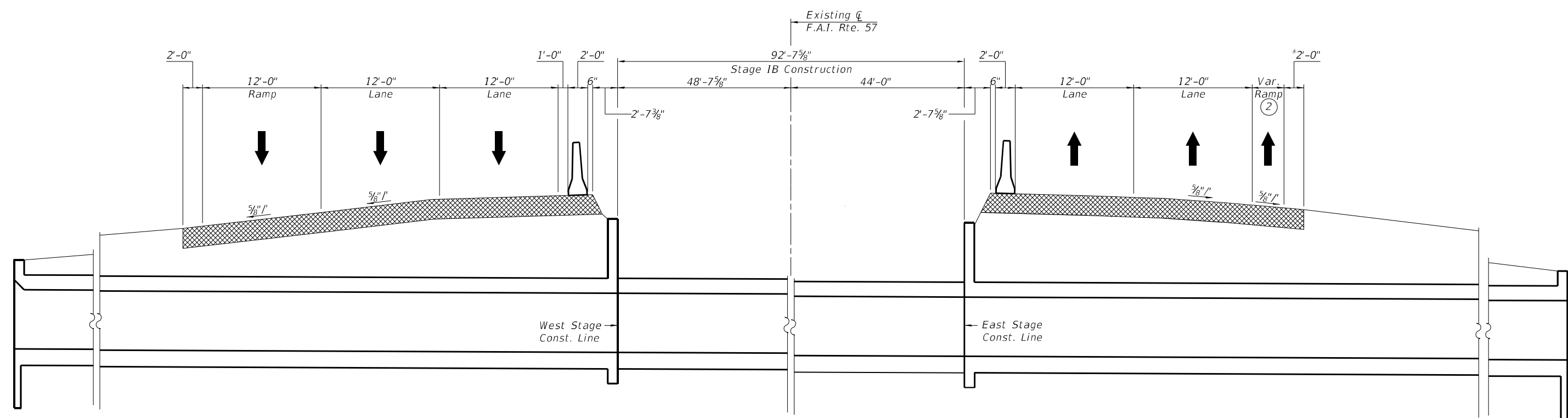


STAGE IA CONSTRUCTION & STAGE IA TRAFFIC - STRUCTURE NO. 010-8174

(Looking North)
 (Horiz. Dims. and Slopes are at Rt. L's to Existing \bar{C} F.A.I. Rte. 57 unless otherwise noted)
 (Existing Roadway Cross Section to be Rebuilt In Kind (See Roadway Plans))

⊠ - Indicates Temporary Pavement

- ① Varies - 3'-6 7/8" (min.) to 4'-3 1/4" (max.)
- ② Varies - 1'-10 3/4" (min.) to 2'-7 1/8" (max.)



STAGE IB CONSTRUCTION & STAGE IB TRAFFIC - STRUCTURE NO. 010-8174

(Looking North)
 (Horiz. Dims. and Slopes are at Rt. L's to Existing \bar{C} F.A.I. Rte. 57 unless otherwise noted)
 (Existing Roadway Cross Section to be Rebuilt In Kind (See Roadway Plans))

(Sheet 1 of 2)

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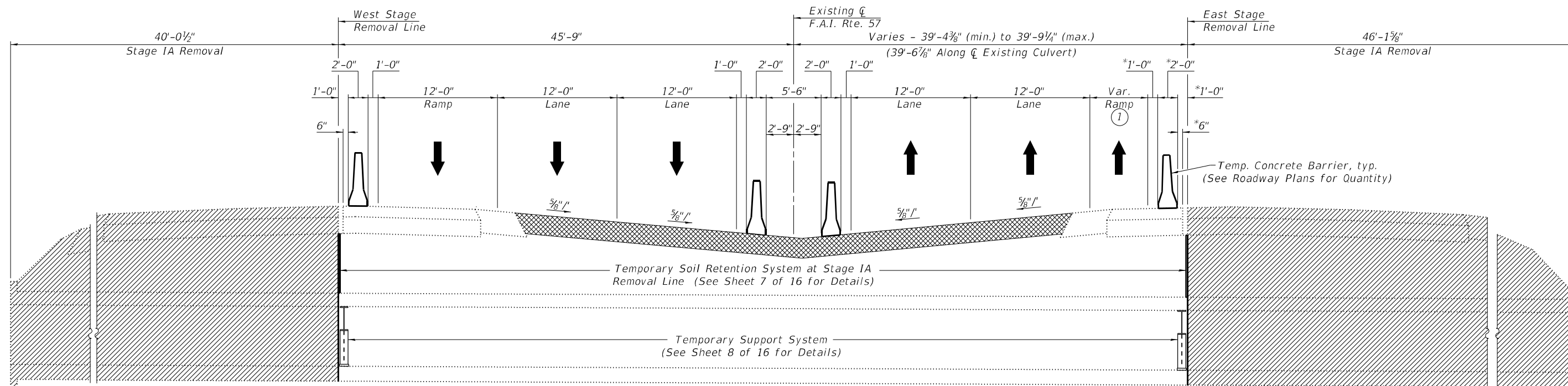
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STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 010-8174

SHEET 5 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1) HBK	CHAMPAIGN	1187	1013
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				

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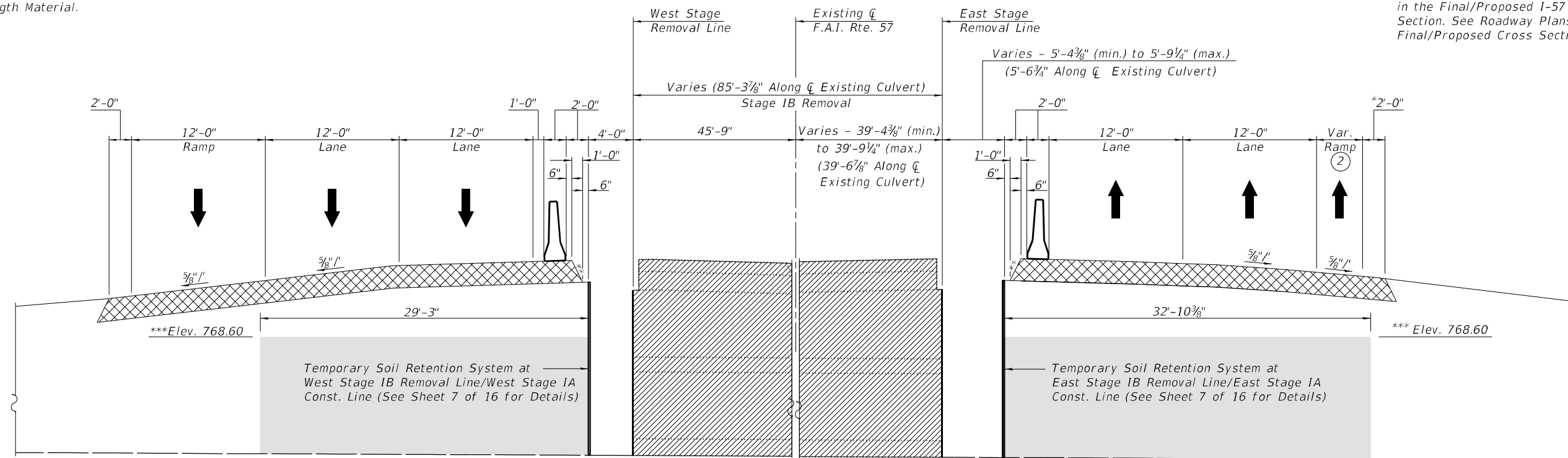
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- Indicates Temporary Pavement
- Indicates Limits of Controlled Low-Strength Material (CLSM)

Notes:
 Backfilling required due to the removal of the existing structure, beyond the limits of Controlled Low-Strength Material, shall be according to Section 502 of the Standard Specifications.
 See Sheets 1, 2 and 12 of 16 for additional limits of Controlled Low-Strength Material.

STAGE IA REMOVAL & STAGE IA TRAFFIC - EXISTING STRUCTURE NO. 010-8021
 (Looking North)
 (Horiz. Dims. and Slopes are at Rt. L's to Existing \bar{C} F.A.I. Rte. 57 unless otherwise noted)
 (Existing Roadway Cross Section to be Rebuilt In Kind (See Roadway Plans))

- ① Varies - 5'-7 3/8" (min.) to 6'-0" (max.)
- ② Varies - 3'-11 1/4" (min.) to 4'-4 1/8" (max.)
 4'-1 1/4" along \bar{C} Existing Culvert

* At Rt. L's to Ramp
 ** 1:1 max
 *** The Controlled Low-Strength Material shall not overlap into the processing modified soil provided in the Final/Proposed 1-57 Typical Roadway Cross Section. See Roadway Plans for details of the Final/Proposed Cross Section.



STAGE IB REMOVAL & STAGE IB TRAFFIC - EXISTING STRUCTURE NO. 010-8021
 (Looking North)
 (Horiz. Dims. and Slopes are at Rt. L's to Existing \bar{C} F.A.I. 57 unless otherwise noted)
 (Existing Roadway Cross Section to be Rebuilt In Kind (See Roadway Plans))

(Sheet 2 of 2)

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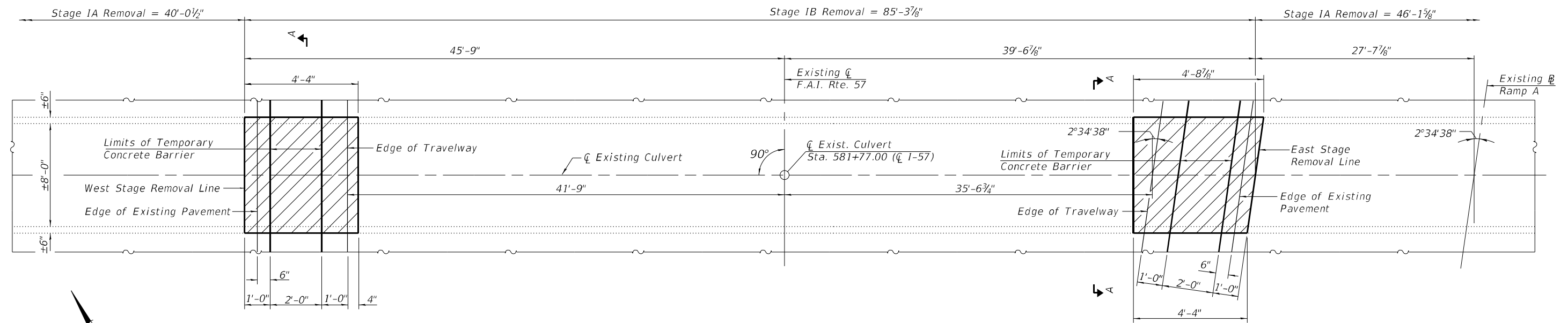
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

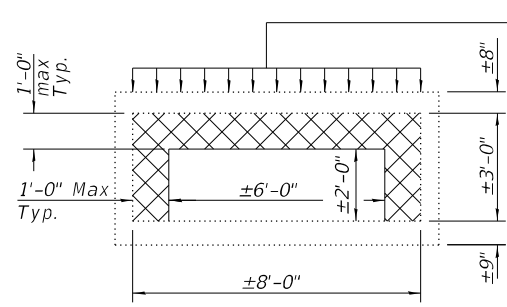
STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 010-8174
 SHEET 6 OF 16 SHEETS

F.A.I. RTE. 57	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1014
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				

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PLAN VIEW - EXISTING CULVERT



SECTION A-A

The Temporary Support System shall be capable of supporting the following design service vertical loads:

- Exist. Top Slab, Temp. Conc. Barrier, & Exist. Pavement (DC): 0.59 kips/ft.
- Existing Fill (EV): 0.41 kips/ft.
- Vehicle Live Load plus Impact (LL + IM): 0.52 kips/ft.

In addition, the Temporary Support System shall support any additional load due to the soil retention system installed on top of the culvert.

Loads provided are in 1' strips perpendicular to the existing culvert walls.

Note:
 Due to the required Soil Retention System on top of the Existing Culvert, a Temporary Support System is required for the portion of the existing top slab supporting Stage IA Traffic. The support system shall project no more than 1'-0" below the bottom of the top slab or from the culvert walls' face to minimize the obstruction to the culvert's hydraulic opening.
 Each Temporary Support System is for one box culvert cell at a stage line (2 Total).

- Indicates Area of Existing Top Slab Requiring Support
- Indicates the box culvert cell requires a Temporary Support System and the Max. Permissible Obstructed Area

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Temporary Support System, Location 3	Each	2

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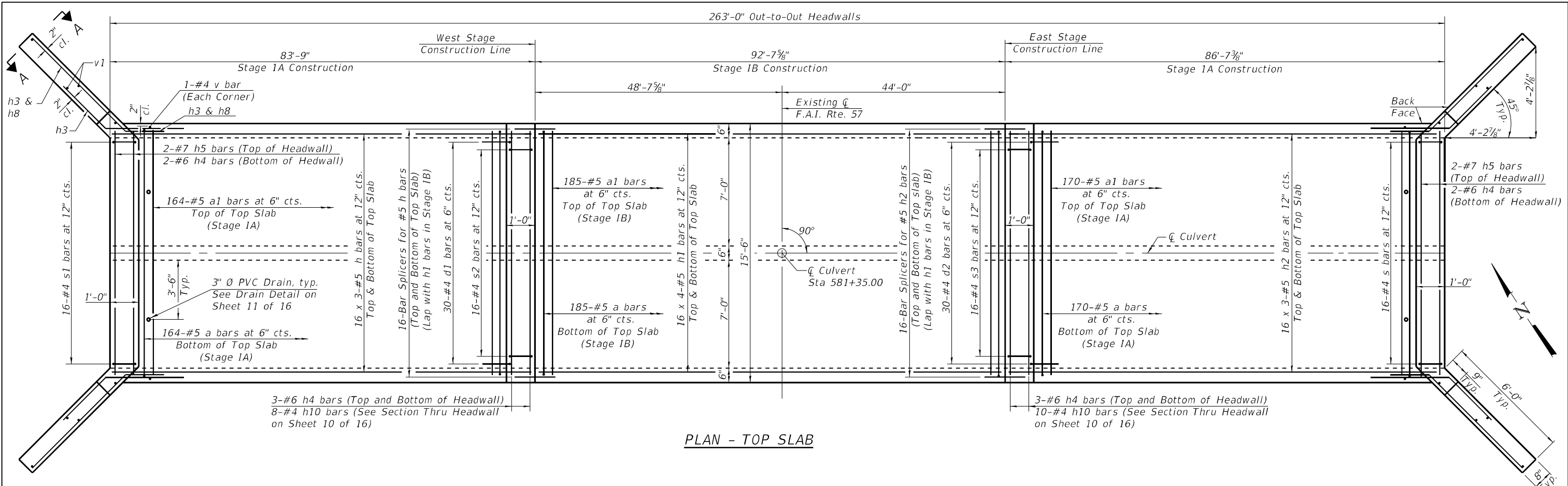
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DEPARTMENT OF TRANSPORTATION

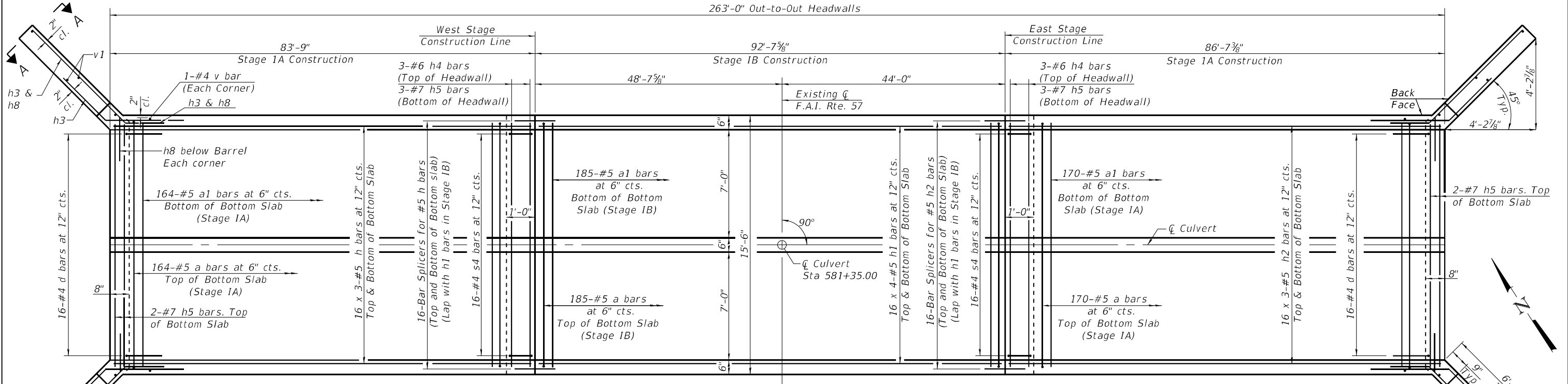
TEMPORARY SLAB SUPPORT DETAILS
STRUCTURE NO. 010-8174

SHEET 8 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1) HBK	CHAMPAIGN	1187	1016
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				



PLAN - TOP SLAB



PLAN - BOTTOM SLAB

MINIMUM BAR LAP

#5 Bar = 2'-9"

Notes:
 A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 Bars indicated thus 16 x 3-#5 etc. indicates 16 lines of bars with 3 lengths per line.
 See Sheet 10 of 16 for Longitudinal section, Section A-A and Headwalls Details
 See Sheet 11 of 16 for Section thru Barrer, Bar Details and Bill of Material
 See Sheet 13 of 16 for Bar Splicer Details and Quantity

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PLOT DATE =	DRAWN - FAM	REVISED -
	CHECKED - GBR	REVISED -

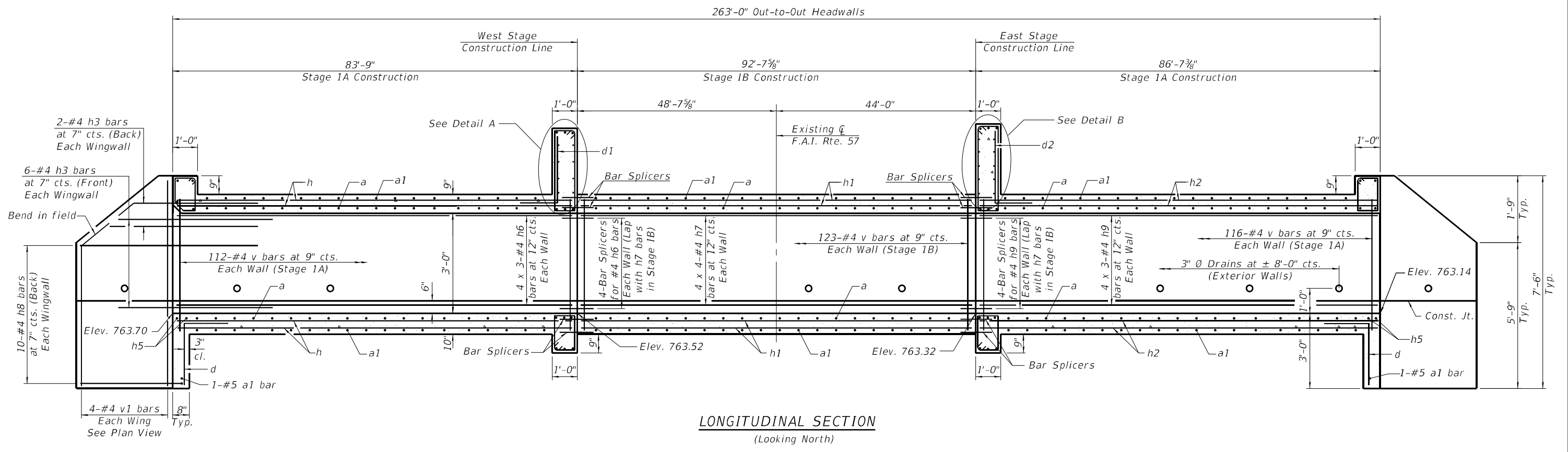
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS - TOP & BOTTOM SLAB
 STRUCTURE NO. 010-8174

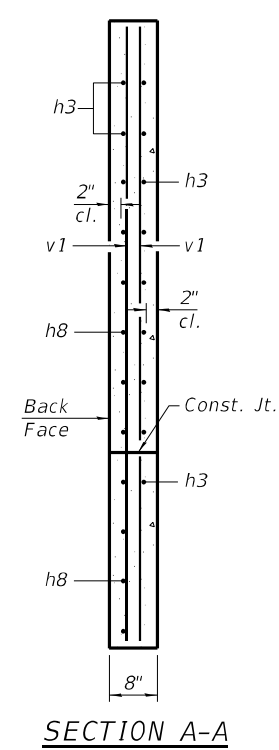
SHEET 9 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1) HBK	CHAMPAIGN	1187	1017
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				

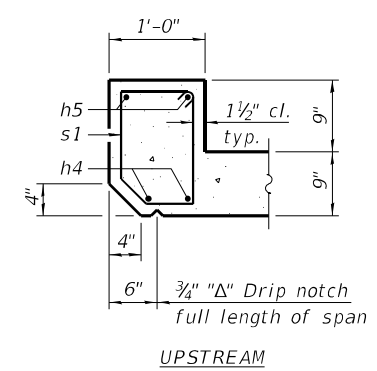
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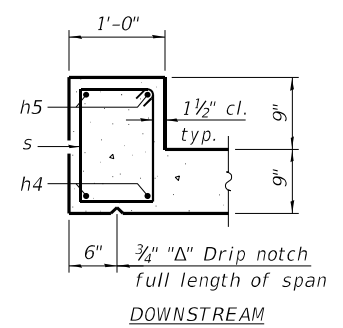
LONGITUDINAL SECTION
 (Looking North)



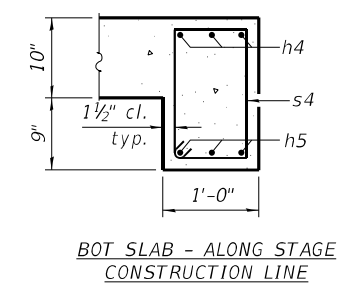
SECTION A-A



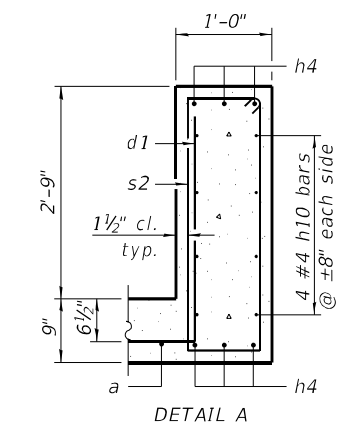
UPSTREAM



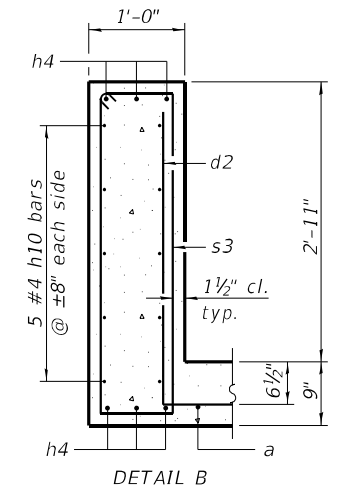
DOWNSTREAM



BOT SLAB - ALONG STAGE CONSTRUCTION LINE



DETAIL A



DETAIL B

SECTION THRU HEADWALL

Notes:
 Bars indicated thus 4 x 4-#4 etc. indicates 4 lines of bars with 4 lengths per line.
 See Sheet 11 of 16 for Section Thru Barrel, Bar Details and Bill of Material
 See Sheet 13 of 16 for Bar Splicer Details and Quantity

MINIMUM BAR LAP
 #4 Bar = 2'-3"

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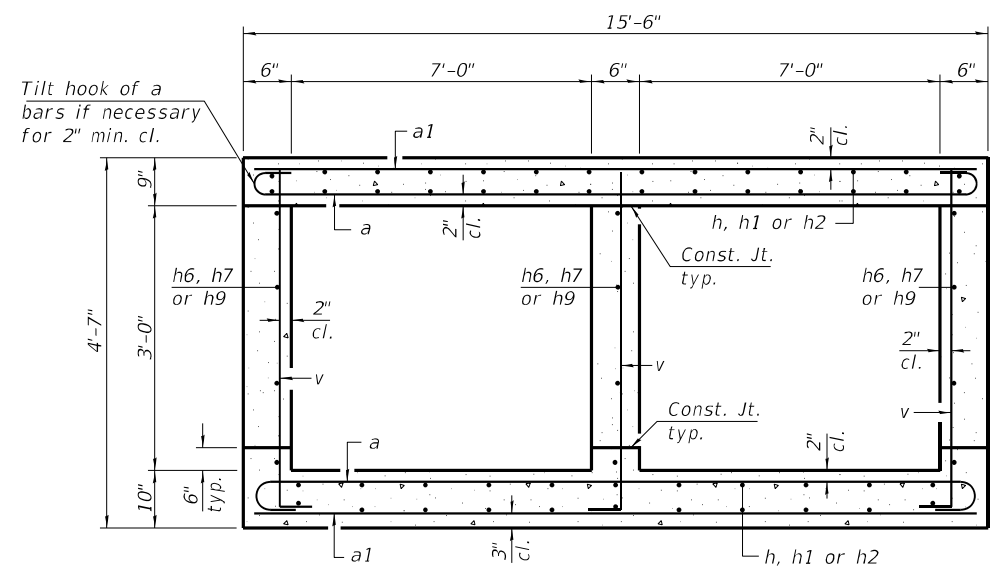
CULVERT DETAILS - LONGITUDINAL SECTION
STRUCTURE NO. 010-8174

SHEET 10 OF 16 SHEETS

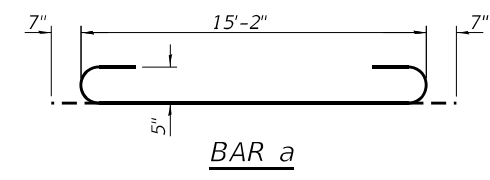
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CONTRACT NO. 70B99				

ILLINOIS FED. AID PROJECT

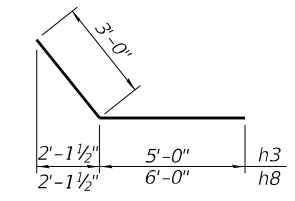
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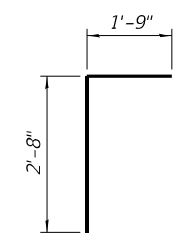
SECTION THRU BARREL



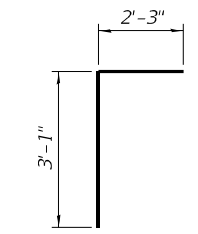
BAR a



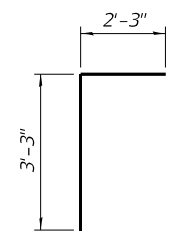
BARS h3 & h8



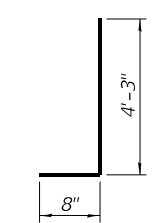
BAR d



BAR d1

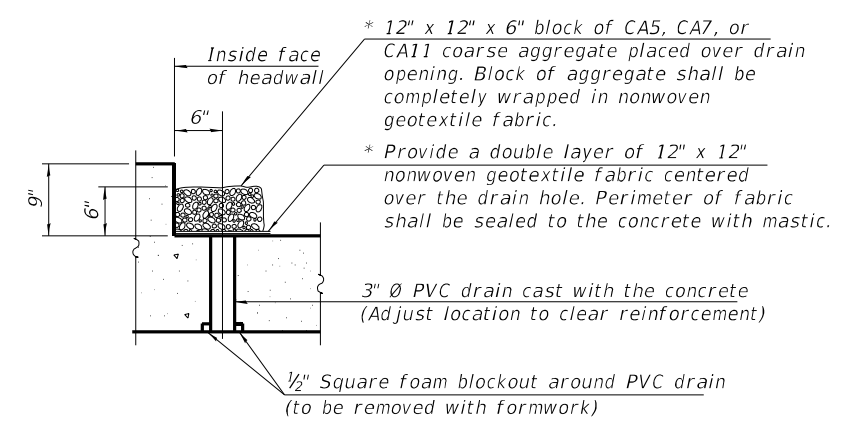


BAR d2



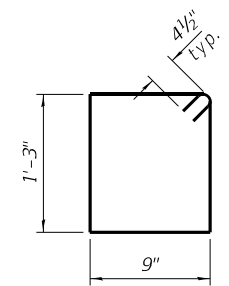
BAR v

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

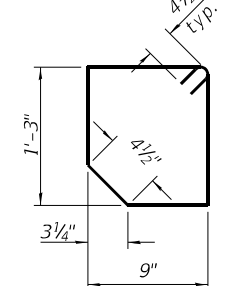


DRAIN DETAIL

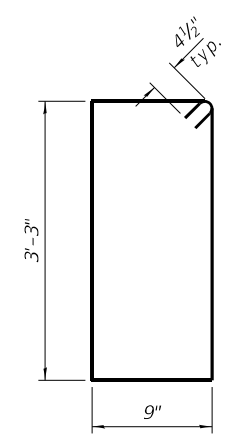
(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



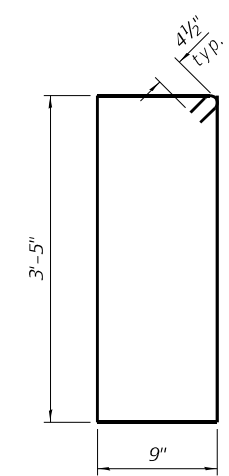
BAR s



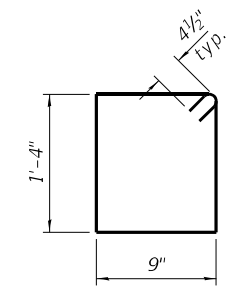
BAR s1



BAR s2



BAR s3



BAR s4

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	1038	#5	16'-4"	U
a1	1040	#5	15'-2"	U
d	32	#4	4'-5"	L
d1	30	#4	5'-4"	L
d2	30	#4	5'-6"	L
h	192	#5	29'-8"	L
h1	256	#5	25'-2"	L
h2	192	#5	30'-8"	L
h3	32	#4	8'-0"	L
h4	22	#6	15'-2"	L
h5	14	#7	15'-2"	L
h6	36	#4	29'-4"	L
h7	48	#4	24'-10"	L
h8	40	#4	9'-0"	L
h9	36	#4	30'-4"	L
h10	18	#4	15'-2"	L
s	16	#4	4'-9"	S
s1	16	#4	4'-7"	S
s2	16	#4	8'-9"	S
s3	16	#4	9'-1"	S
s4	32	#4	4'-11"	S
v	1057	#4	4'-11"	L
v1	16	#4	7'-2"	L
Concrete Box Culverts			Cu. Yd.	293.4
Reinforcement Bars			Pound	60,960

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**CULVERT SECTION AND DETAILS
STRUCTURE NO. 010-8174**

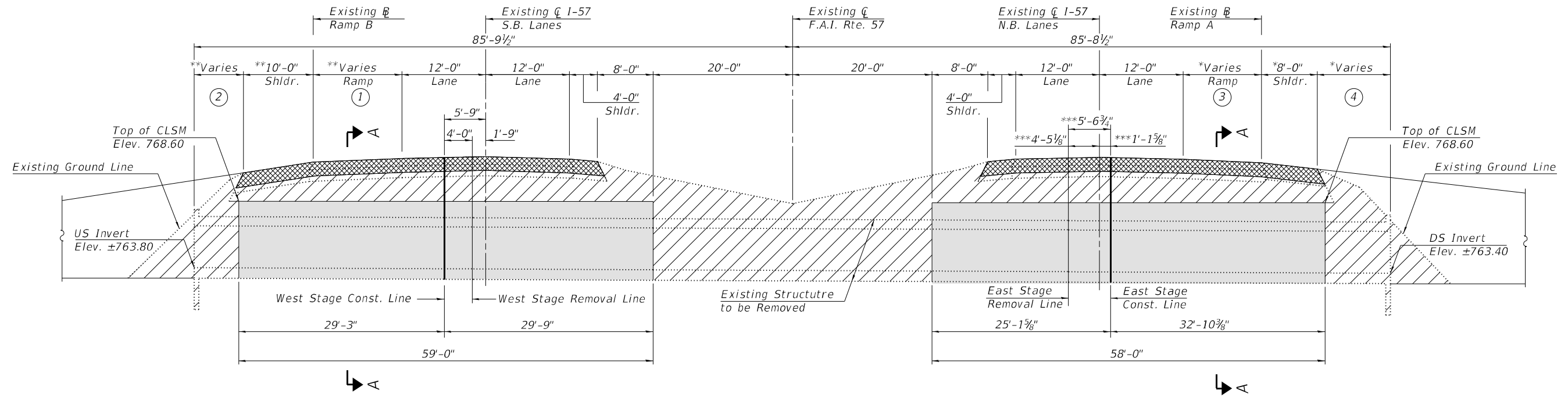
SHEET 11 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1) HBK	CHAMPAIGN	1187	1019
			CONTRACT NO. 70B99	
		ILLINOIS	FED. AID PROJECT	

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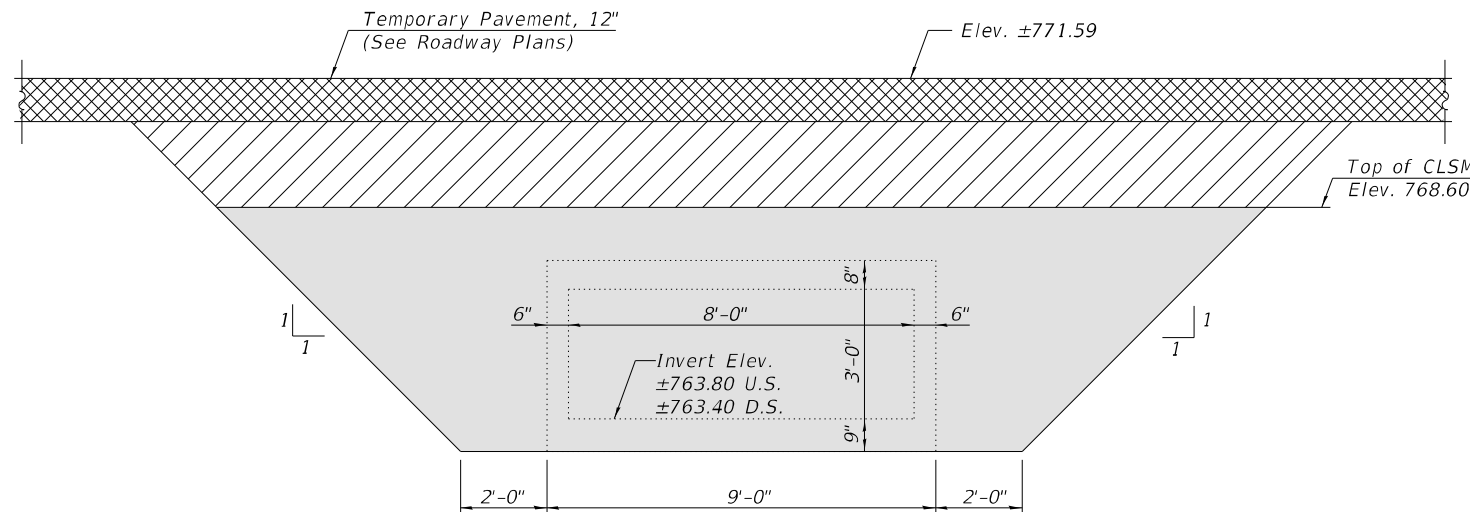
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*****LONGITUDINAL SECTION - EXISTING STRUCTURE NO. 010-8021**
 (At Completion of Culvert Removal in First Contract - See General Notes on Sheet 1 of 16)
 (Looking North)
 (Horiz. Dims. and Slopes are at Rt. L's to Existing C F.A.I. Rte. 57 unless otherwise noted)
 (Existing Roadway Cross Section to be Reconstructed In Kind (See Roadway Plans))

- ① Varies - 12'-7³/₄" (min.) to 12'-9⁷/₈" (max.)
- ② Varies - 6'-11³/₄" (min.) to 7'-1⁵/₈" (max.)
- ③ Varies - 10'-11³/₄" (min.) to 11'-5³/₈" (max.)
- ④ Varies - 10'-2⁷/₈" (min.) to 10'-8" (max.)



SECTION A-A

- *At Rt. L's to Existing B Ramp A
- **At Rt. L's to Existing B Ramp B
- ***Along C Existing Culvert
- ****Temporary Soil Retention System, and Temporary Support System details not shown for clarity. See Sheets 6 thru 8 of 16 for details.
- ▨ - Indicates Temporary Pavement
- ▩ - Indicates Backfilling Due to Removal of Existing Structure No. 3
- - Indicates Limits of Controlled Low-Strength Material

Note:
 Backfilling required due to the removal of the existing structure, beyond the limits of Controlled Low-Strength Material, shall be according to Section 502 of the Standard Specifications. Also, backfilling required due to the removal of the existing structure will not be paid for as a separate item but shall be included with the cost of Removal of Existing Structures No. 3.
 The Controlled Low-Strength Material (CLSM) shall not overlap into the processing modified soil provided in the Final/Proposed I-57 Typical Roadway Cross Section. See Roadway Plans for details of the Final/Proposed Cross Section.
 See Roadway Plans for embankment required beyond the existing ground line.
 See Sheets 1, 2, and 6 of 16 for additional details of Controlled Low-Strength Material (CLSM).

BILL OF MATERIAL

Item	Unit	Total
Controlled Low-Strength Material	Cu. Yd.	467

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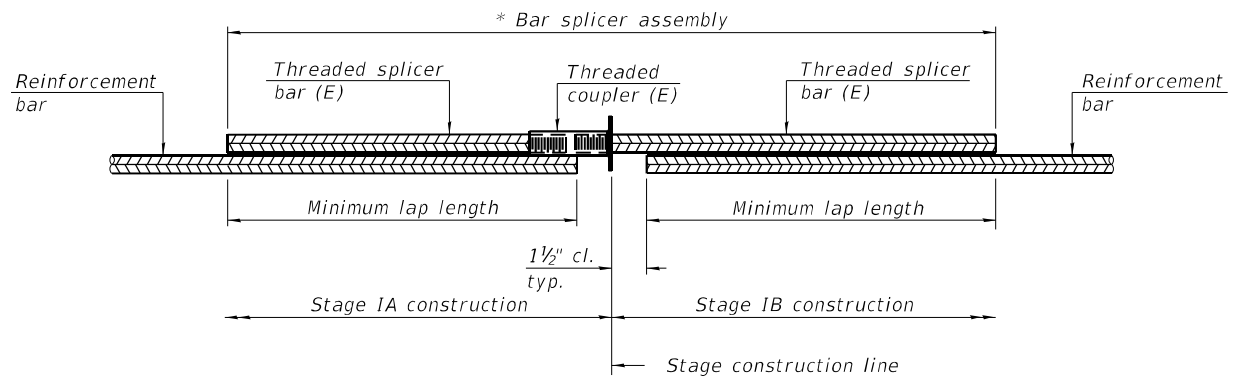
BACKFILLING DETAIL
STRUCTURE NO. 010-8174

SHEET 12 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1)HBK	CHAMPAIGN	1187	1020
CONTRACT NO. 70B99				

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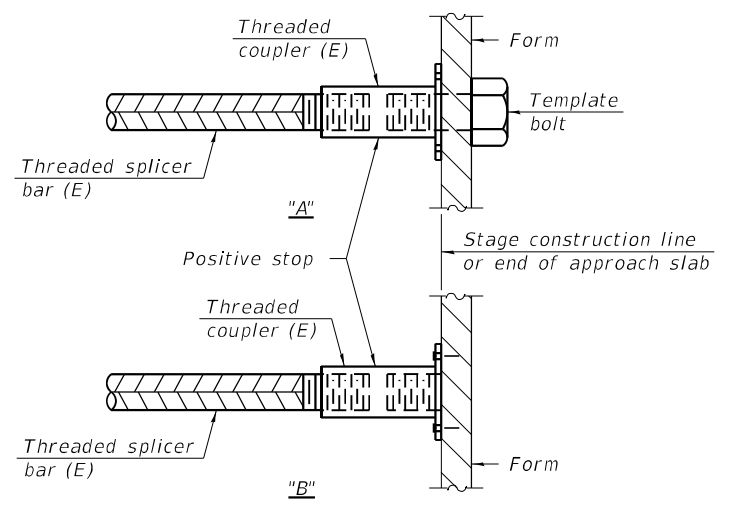


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

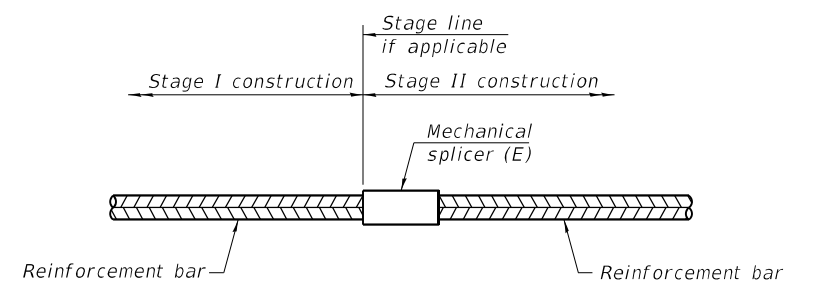
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Top Slab	#5	64	2'-9"
Bottom Slab	#5	64	2'-9"
Side Walls	#4	24	2'-3"



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

1-1-2020

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BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 010-8174

SHEET 13 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1) HBK	CHAMPAIGN	1187	1021
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70B99	



SOIL BORING LOG

Date 1/22/15

ROUTE I-57/74 DESCRIPTION East Abut Bloomington Rd./I-57 LOGGED BY TLM

SECTION 10(5-1-RS-1, 14-1.6)R LOCATION SEC. 34, TWP. 20N, RNG. 8E, 3 PM

COUNTY Champaign DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	DEPTH (ft)	BLOW COUNT (tsf)	UCS (%)	MOISTURE (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Hrs.
	789.72				n/a			725.0			
19" HMA (no base course)											
FILL: Silty Clay Loam, brown, hard											
		5									
		4	4.5	11.8							
		6	P								
		3									
	786.80	4	2.89	22.0							
SILTY CLAY: Black, stiff											
		8	B								
		4									
		4	1.5	27.8							
	783.80	6	P								
SILTY CLAY: Black/Brown, stiff											
		3									
		3	1.65	18.5							
	781.30	7	B								
SILTY CLAY: Brown, very stiff											
		3									
		3	2.47	18.9							
		6	B								
		3									
		5	2.89	23.0							
		6	B								
		3									
		4	3.30	25.6							
	773.80	6	B								
SILTY CLAY: Dark Gray, very stiff											
		3									
		4	3.50	25.1							
		6	B								
	771.30	20									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

File Name: P:\GINT\PROJECTS\15774 CHAMPAIGN COUNTY.GPJ Data Template D0TEMPLT.GDT Date Printed 3/20/15
Latitude 40.142881 Longitude -88.287028 Datum Job Number MCE-1404



SOIL BORING LOG

Date 1/22/15

ROUTE I-57/74 DESCRIPTION East Abut Bloomington Rd./I-57 LOGGED BY TLM

SECTION 10(5-1-RS-1, 14-1.6)R LOCATION SEC. 34, TWP. 20N, RNG. 8E, 3 PM

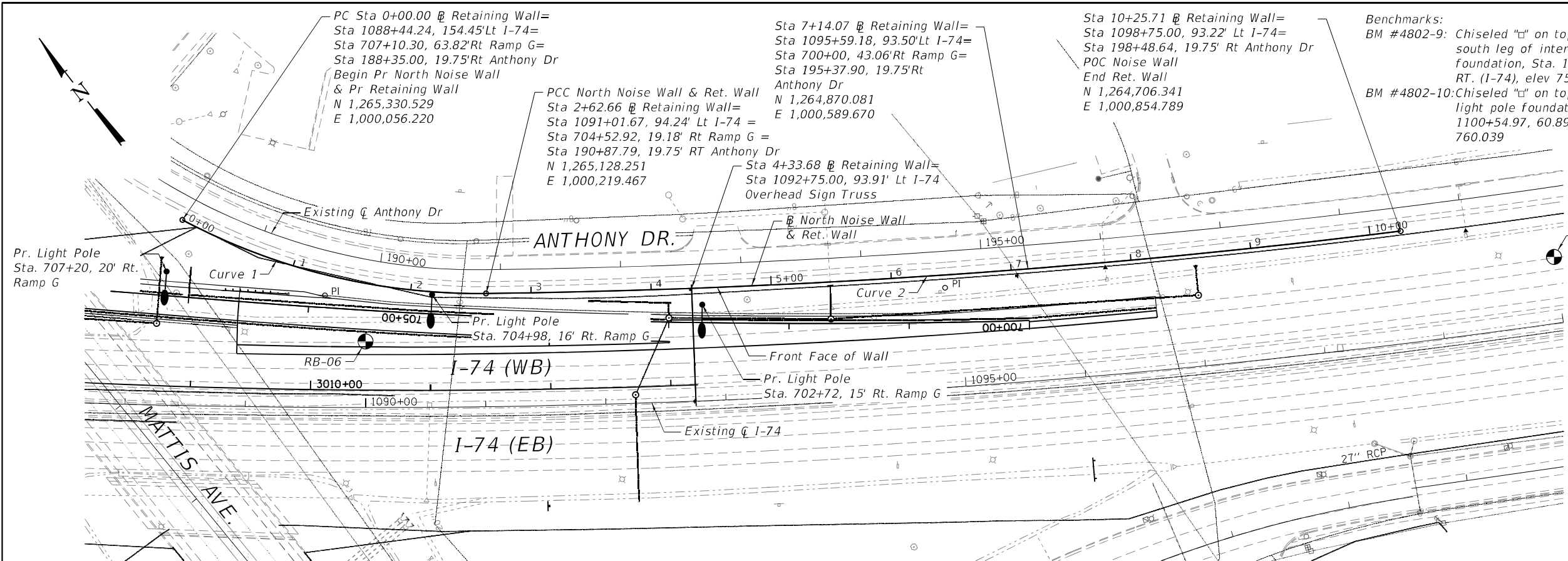
COUNTY Champaign DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO.	DEPTH (ft)	BLOW COUNT (tsf)	UCS (%)	MOISTURE (%)	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	After (ft)	Hrs.
					n/a			725.0			
SILTY CLAY LOAM TILL: Gray, hard (continued)											
		5									
		6	3.50	12.1							
		8	B								
		7	2.89	7.6							
		20	B								
		33									
		6									
		7									
		14									
		6									
		7									
		9	B								
		4									
		6	2.27	11.8							
		8	B								
		6									
		5									
		11									
		6									
		5									
		12.8									
End of Boring											
		3									
		6	2.27	11.3							
		8	B								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

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PROPOSED STRUCTURE
 Cast-in-place concrete cantilever retaining wall supported on spread footings.
 Length 1025'-8 1/2".
 Varying stem height from 7'-1 3/8" to 12'-9".

DESIGN SPECIFICATIONS
 2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES
FIELD UNITS
 f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)

I certify that to be the best of my knowledge, information and belief, this wall design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Specifications."



Signed: *Jia Wang*

Dated: **03/12/2021**
 Illinois Structural Engineer
 No. 081-006586
 License Expires: 11-30-2022

ABBREVIATIONS:

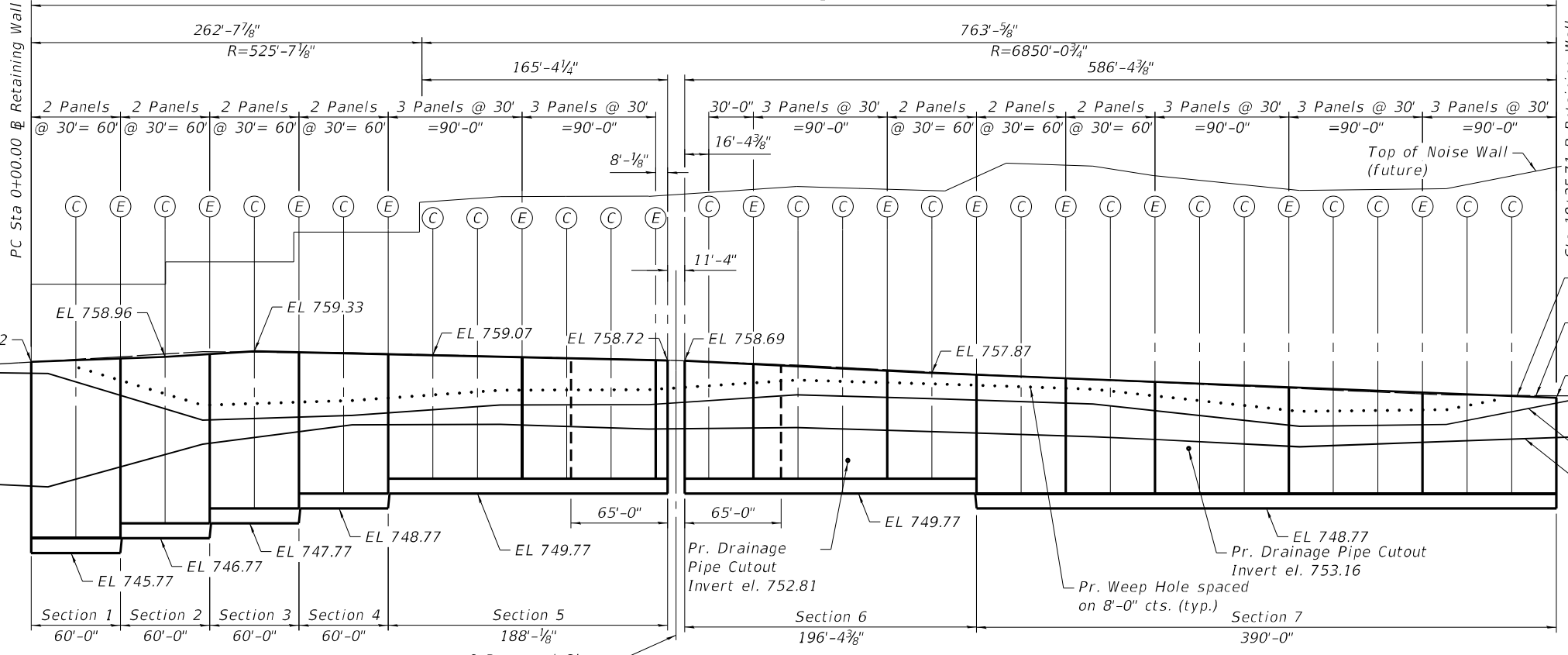
BF	Back Face
CL	Center Line
B	Baseline
EF	Each Face
EW	Each Way
EL	Elevation
FF	Front Face
Lt	Left
Rt	Right
WB	West Bound
EB	East Bound
Sta	Station
PCC	Point of Compound Curvature
POC	Point on Curve
Pr	Proposed

Note:
 (E) Indicates expansion joint.
 (C) Indicates contraction joint.
 For joint details, see Sheet 8 of 11.

PLAN

1025'-8 1/2"

- LEGEND**
- ◆ Soil boring
 - ⊙ Pr. Drainage Structure
 - ▬ Pr. Inlet
 - Pr. Light Pole
 - ▬ Pr. Sign



FRONT FACE ELEVATION

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Kaskaskia
 Engineering Group, LLC
 288 N. Main St., Suite 100
 Moline, IL 61704
 309.253.2877
 309.253.2877
 www.kaskaskiaeng.com

USER NAME = Moshe Cohen	DESIGNED - MLC	REVISIONS -
	CHECKED - JW	REVISIONS -
PLOT SCALE = N/A	DRAWN - RJO	REVISIONS -
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I-74 RETAINING WALL
GENERAL PLAN & ELEVATION

SHEET 1 OF 11 SHEETS

F.A.I. RTE. 74 & 57	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1025
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

CAST-IN-PLACE CONCRETE

All exposed Concrete edges shall have a 3/4"x45° Chamfer, Except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.

REINFORCEMENT BARS

1. Reinforcement bars designated "(E)" shall be epoxy coated.
2. Reinforcement Bar Splices shall be in accordance with the following table, unless otherwise shown on the Drawing.

CLASS "B" SPLICE (GRADE 60 BARS)

SIZE	f'c=3,500 PSI
#4	2'-11"
#7	4'-5"

3. Reinforcement bar bending dimensions are out to out.
4. Bars noted thus, 3x2- #5 indicates 3 lines of bars with 2 lengths of bars per line.

CONSTRUCTION

1. The Contractor shall not scale any dimension from contract plans for construction purposes. Scales shown are for reference only.
2. No Construction joints, except those shown on the plans, will be allowed unless approved by the Engineer. All construction joints shall be bonded.
3. Temporary soil retention systems, sheeting, bracing or cofferdams shall be constructed at locations shown on the plans and/or as required for the excavation to protect the adjacent from settling or falling into the excavated areas.
4. Protective coat shall be applied to the top and traffic face of all barriers of the Wall.
5. When excavating for the wall's footing, the Contractor shall use a method that will result in a minimal disturbance to underlying soil.
6. Geocomposite wall drain is to be continuous over the entire length of the back face of the retaining wall.
7. The Contractor shall be responsible for the protection of all underground or surface utilities even though they may not be shown in the plans. Any utility that is damaged during construction shall be repaired or replaced to the satisfaction of the Engineer. This work will be at the Contractor's expense.
8. The Contractor shall be aware of the presence of overhead utility lines and shall coordinate work with the utilities in advance of working in the vicinity of their facilities, and allow sufficient time for them to perform adjustments to their facilities in accordance with the Contractor's schedule. Coordination efforts shall be included in the cost of the contract bid price.
9. The Contractor must call the IDOT electrical maintenance Contractor to locate IDOT facility cables.
10. The 4" perforated pipe underdrain shall be situated within a block of drainage aggregate, which shall be wrapped completely in a geotechnical filter fabric. A 1'-6" lap will be used where fabric must be lapped. Cost of geotechnical fabric and drainage aggregate shall be included with the Pipe Underdrain for Structures, 4".

CONSTRUCTION (CONTINUED)

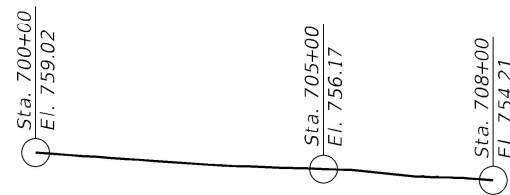
11. Station and offsets are measured from \bar{C} I-74 to the front face of the retaining wall.
12. For proposed sewer location in the vicinity of the retaining wall, see civil plans.
13. The soil boring logs represent point information. Presentation of this information in no way implies that subsurface conditions are the same at locations other than the exact location of the boring.
14. No concrete cutting will be permitted until the cutting limits have been outlined by the Contractor and approved by the Engineer.
15. It shall be the Contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123.
16. Anchor bolts shall meet the requirements of ASTM F1554, Grade 105, shall be galvanized, and shall be covered with plastic caps after installation. Cost of plastic caps and all other appurtenances shall be considered completely covered by Anchor Bolts, 1 1/4".
17. Plan dimensions and details are based on surveyed dimensions and are subject to possible variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

DESIGN STRESSES

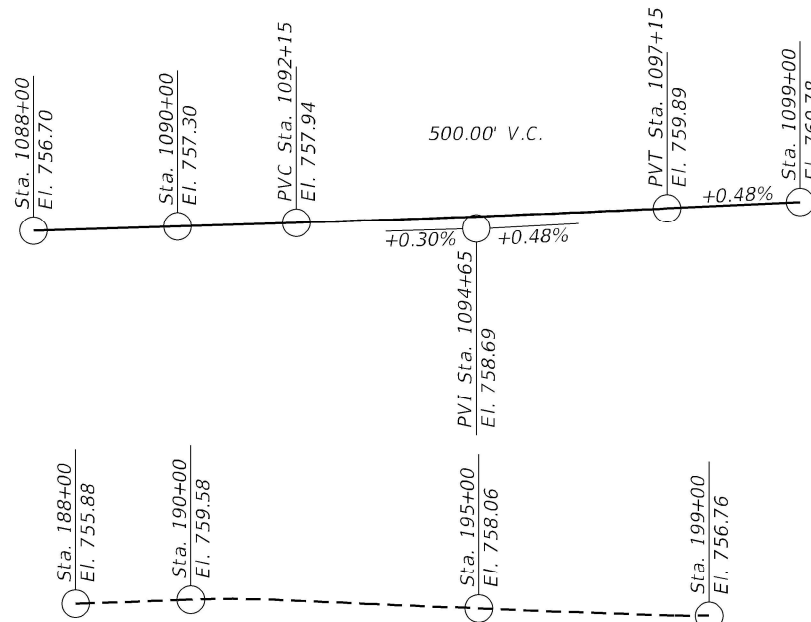
Anchor Bolt Assembly
 Bolt: ASTM F1554, Grade 105
 Heavy Hex Nuts: ASTM A563, DH3
 Hardened Washers: ASTM F436
 Assembly pieces shall be hot-dip galvanized

INDEX OF SHEETS

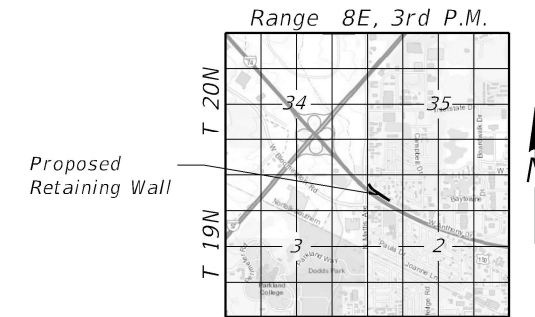
1. General Plan & Elevation
2. General Data
3. Temporary Soil Retention System General Plan & Elevation
4. Detail Plan and Elevation - 1
5. Detail Plan and Elevation - 2
6. Detail Plan and Elevation - 3
7. Detail Plan and Elevation - 4
8. Wall Section & Details
9. Details & Bill of Materials
10. Wall Sections
11. Soil Boring Logs



RAMP G PROFILE GRADE LINE



ANTHONY DRIVE EXISTING & PROPOSED PROFILE GRADE LINE



LOCATION SKETCH

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Granular Backfill for Structures	Cu. Yd.	811
Structure Excavation	Cu. Yd.	5,574
Concrete Structures	Cu. Yd.	1,017.7
Protective Coat	Sq. Yd.	933
Reinforcement Bars, Epoxy Coated	Pound	133,070
Geocomposite Wall Drain	Sq. Yd.	1,048
Anchor bolts, 1 1/4"	Each	520
Temporary Soil Retention System	Sq. Ft.	10,800
Pipe Underdrain for Structures, 4"	Foot	1,036

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 Engineering Group, LLC
 1100 S. Main St., Suite 100
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 309.443.2877
 www.kaskaskiaeng.com

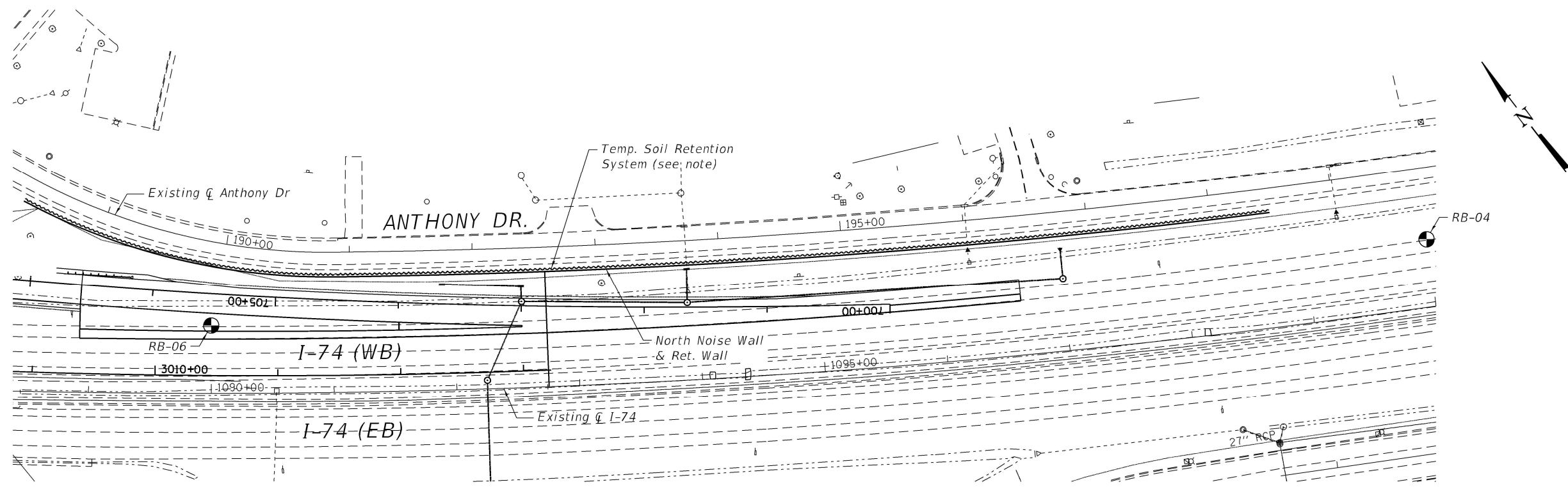
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**I-74 RETAINING WALL
 GENERAL DATA**

SHEET 2 OF 11 SHEETS

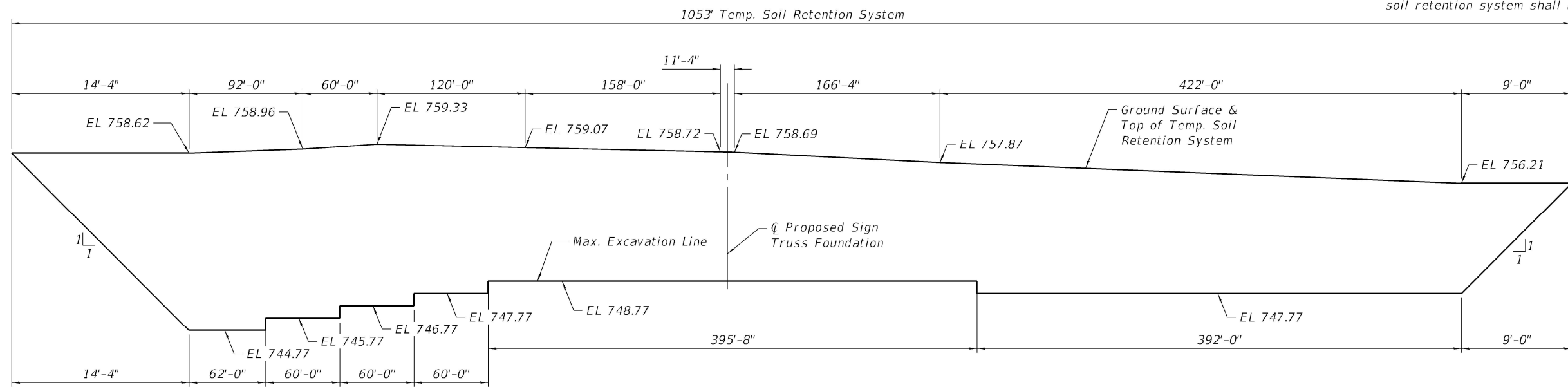
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CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				



PLAN

Note:

1. A cantilevered sheet piling design may not be feasible and other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations prepared and sealed by an Illinois licensed Structural Engineer for review and acceptance by the Engineer.
2. The Contractor's attention is drawn to the presence of existing utilities and drainage structures in the vicinity of the proposed retaining wall. The details of the temporary soil retention system shall account for these.



UNFOLDED ELEVATION
(Looking North)

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Engineering Group, LLC
Professional Engineering Group
1170 N. Main St., Suite 300
Bella Vista, Illinois 62220
618.255.2877
www.kaskaskiaeng.com

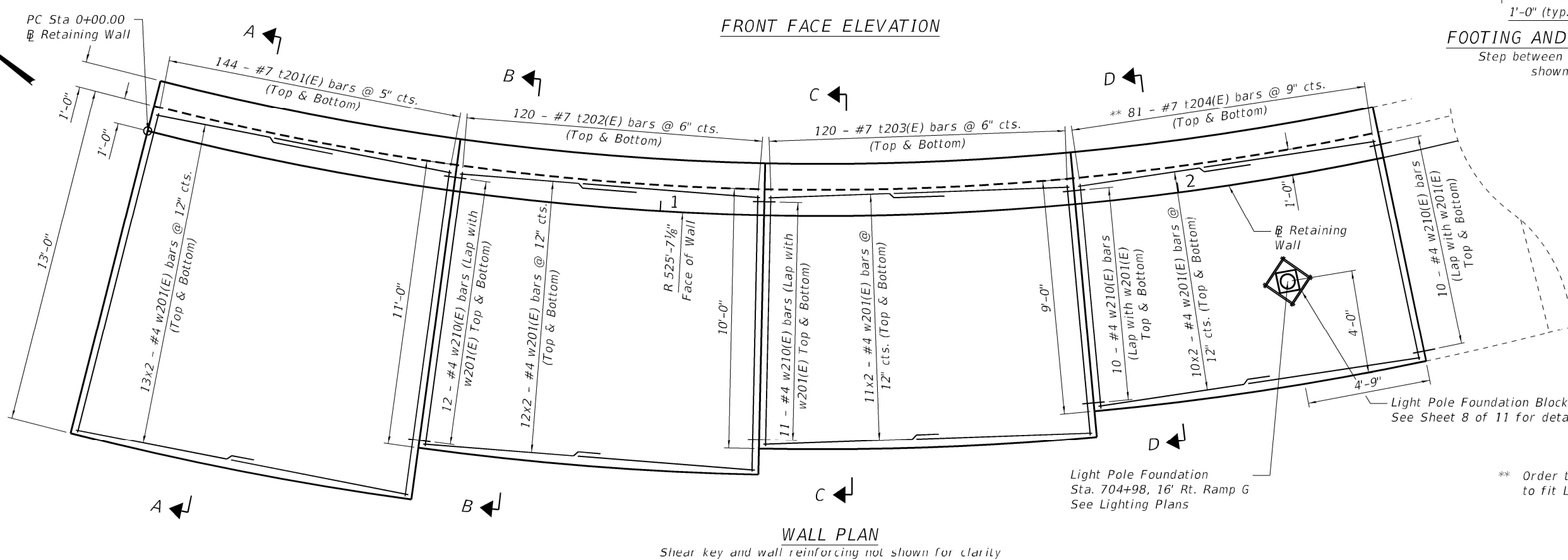
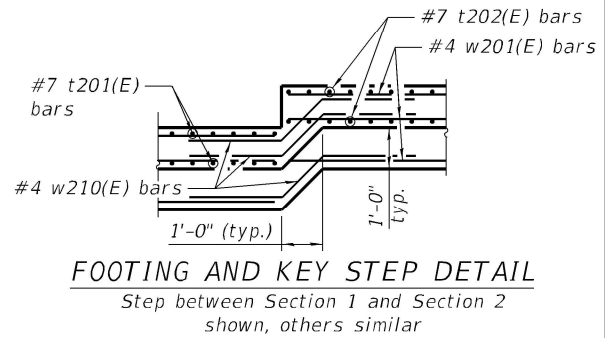
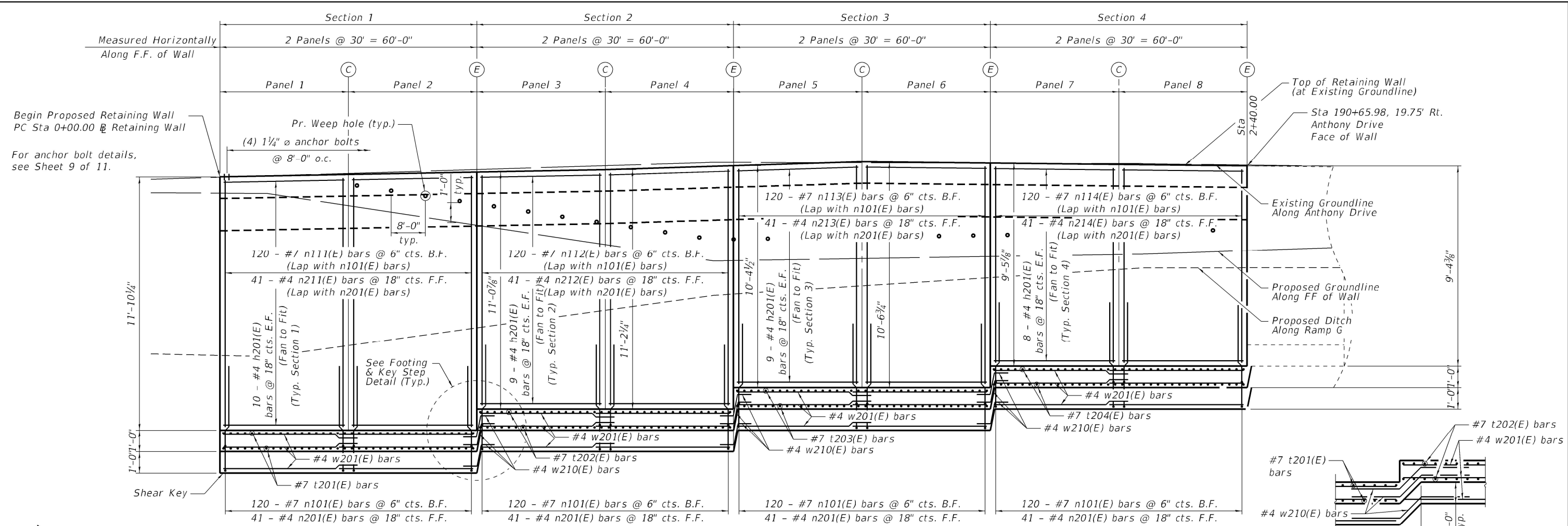
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STATE OF ILLINOIS
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I-74 RETAINING WALL
TEMPORARY SOIL RETENTION SYSTEM
GENERAL PLAN & ELEVATION

SHEET 3 OF 11 SHEETS

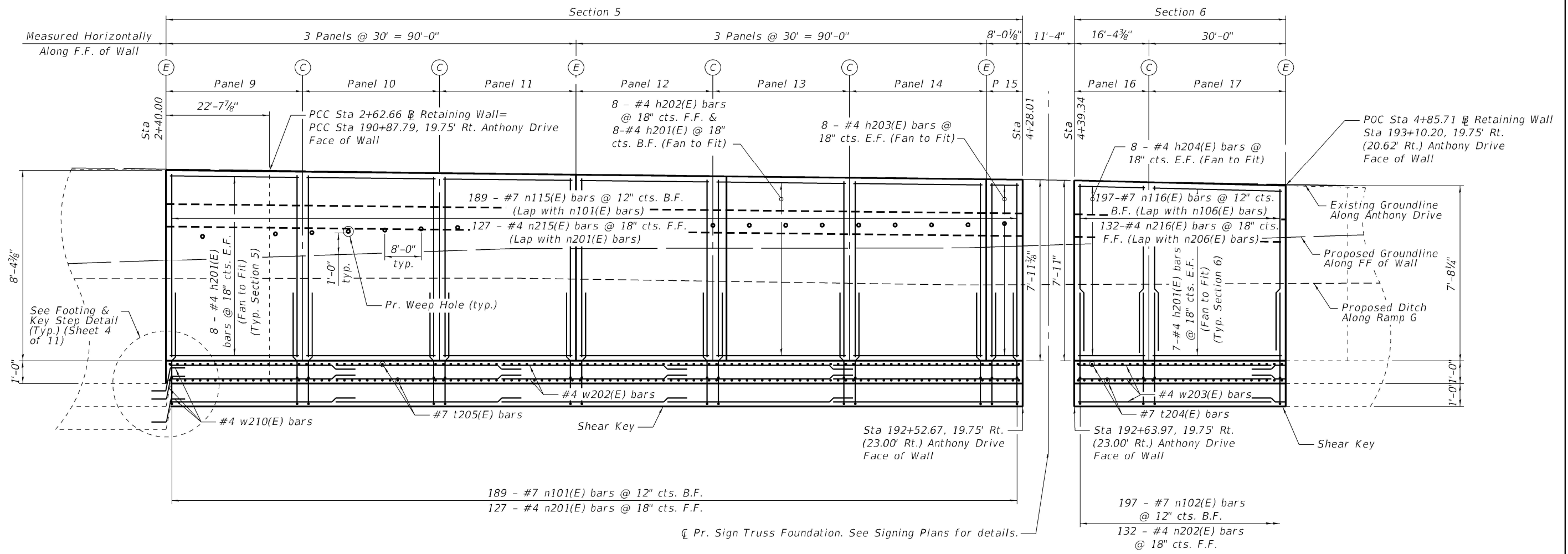
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CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				



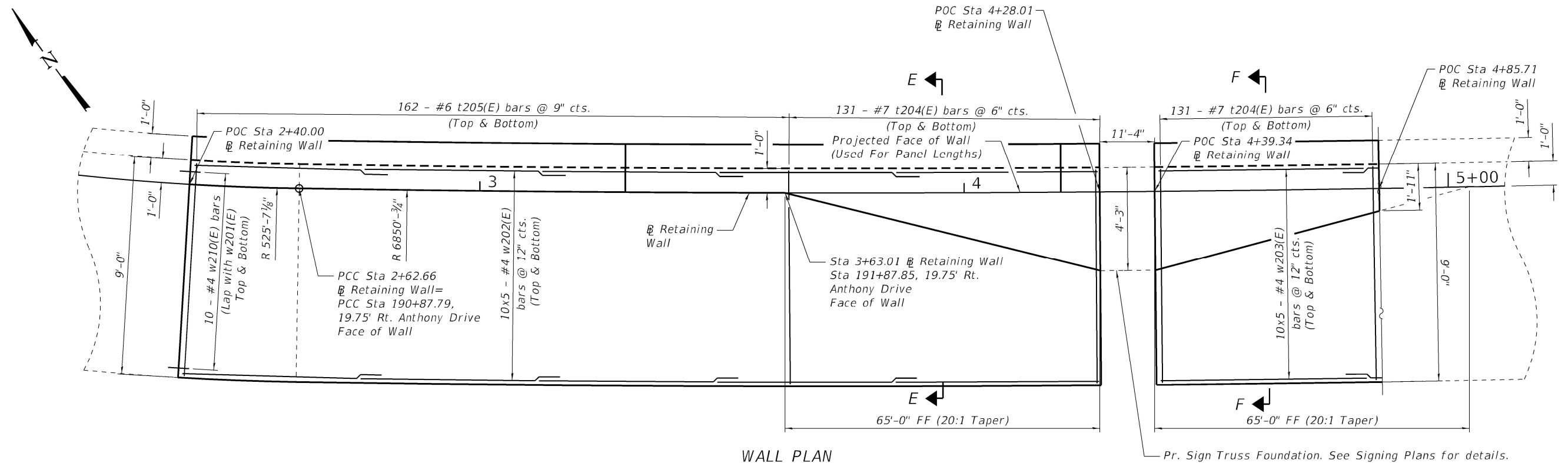
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FRONT FACE ELEVATION



WALL PLAN

Shear key and wall reinforcement not shown for clarity

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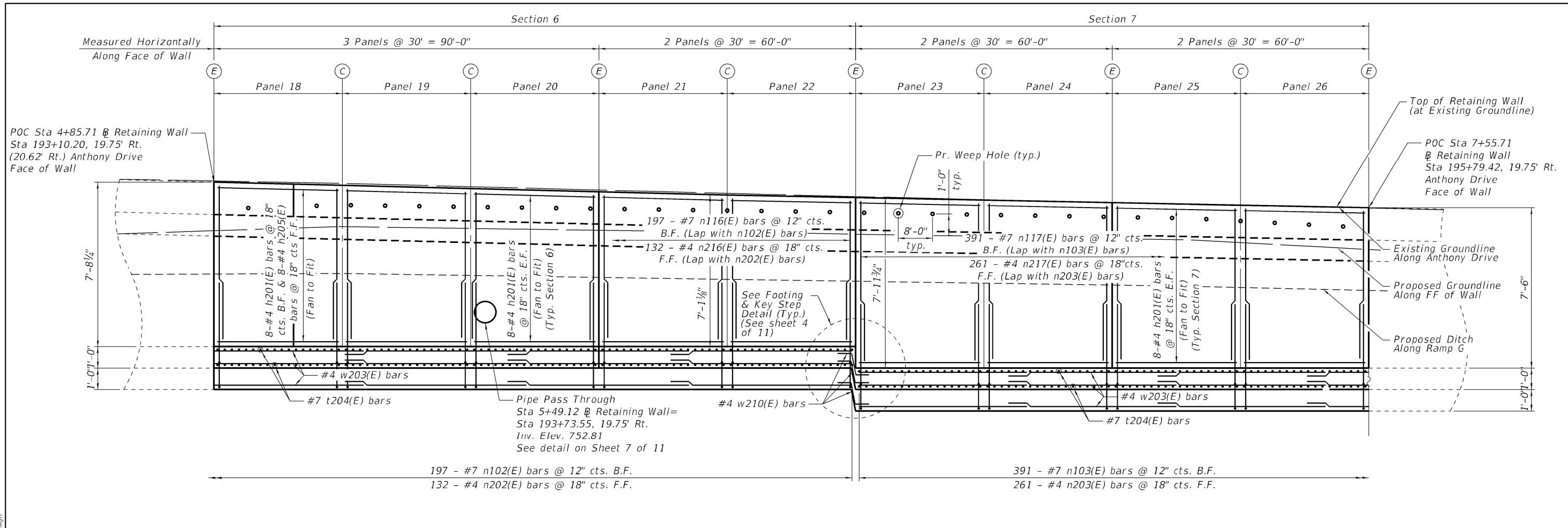
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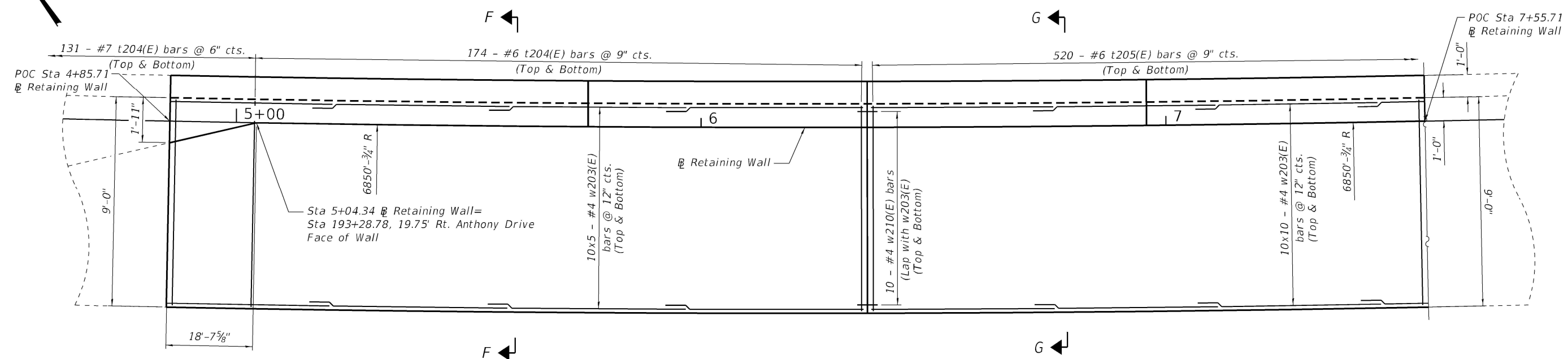
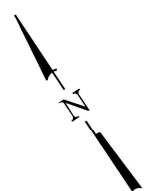
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-74 RETAINING WALL
 DETAIL PLAN AND ELEVATION - 2
 SHEET 5 OF 11 SHEETS

F.A.I. RTE. 74 & 57	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1029
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				



FRONT FACE ELEVATION



WALL PLAN
Shear key and wall reinforcement not shown for clarity

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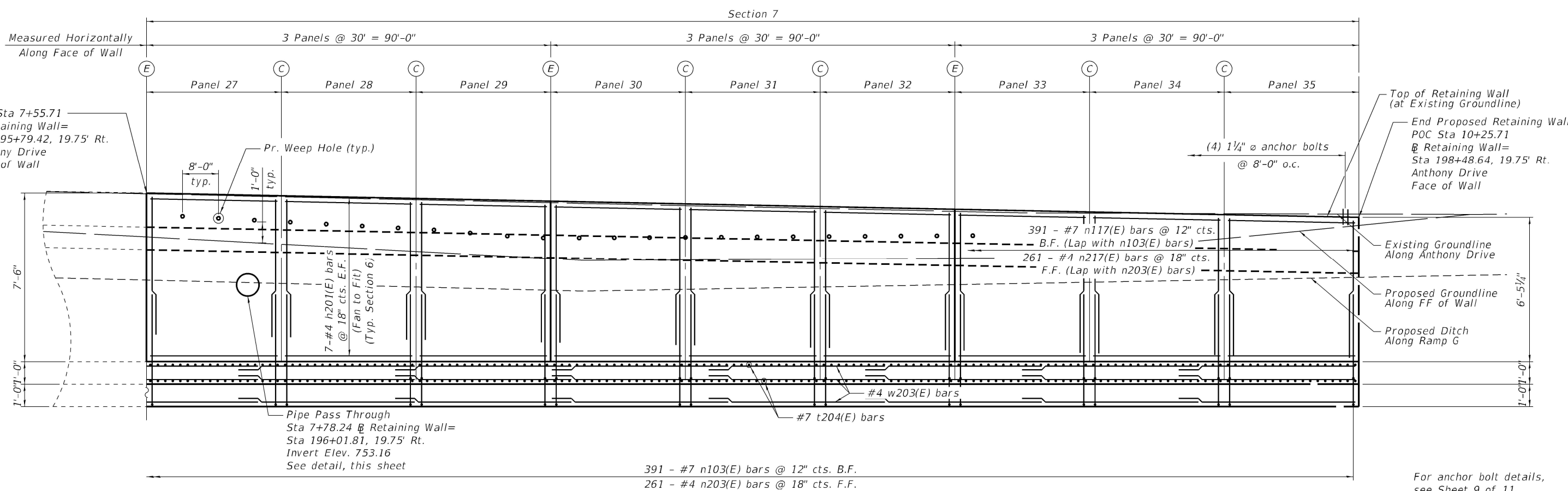
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

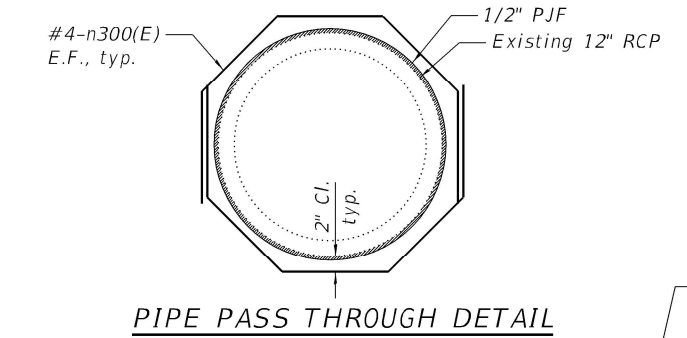
I-74 RETAINING WALL
DETAIL PLAN AND ELEVATION - 3
 SHEET 6 OF 11 SHEETS

F.A.I. RTE. 74 & 57	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1030
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				

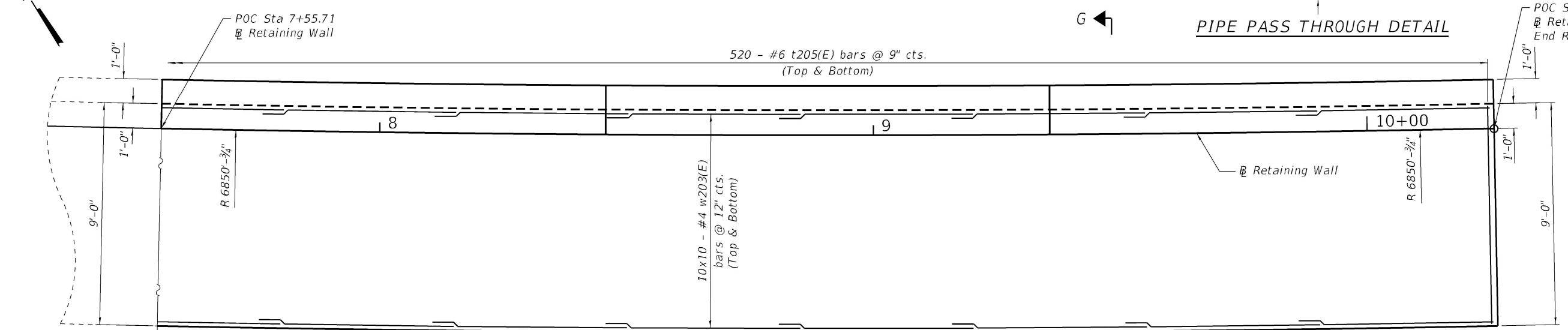
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FRONT FACE ELEVATION



PIPE PASS THROUGH DETAIL



WALL PLAN

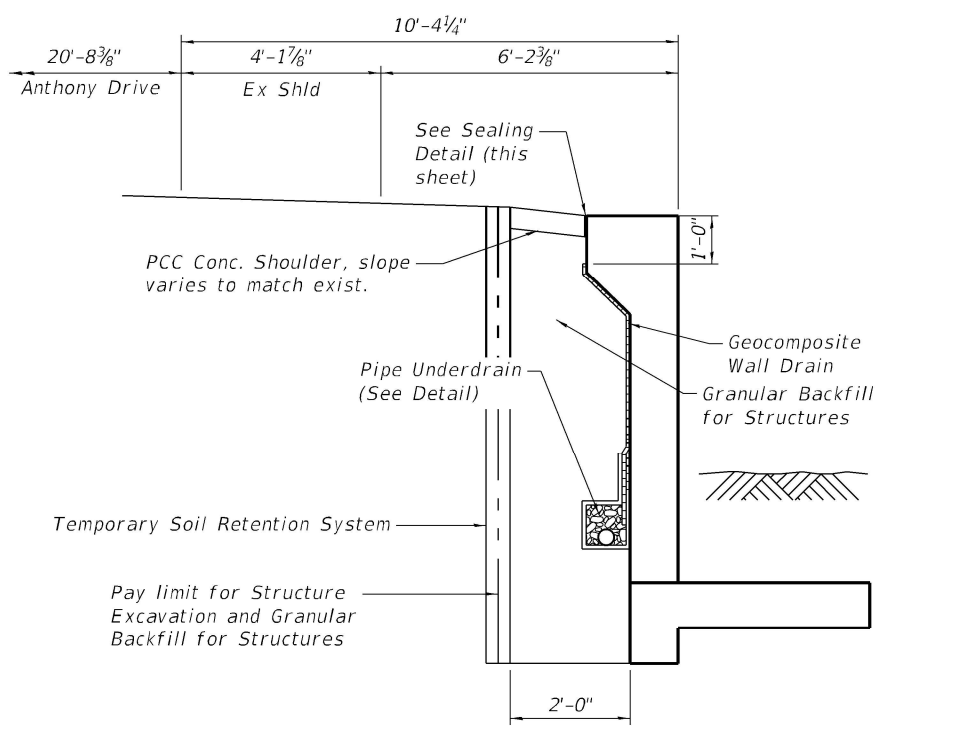
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**STATE OF ILLINOIS
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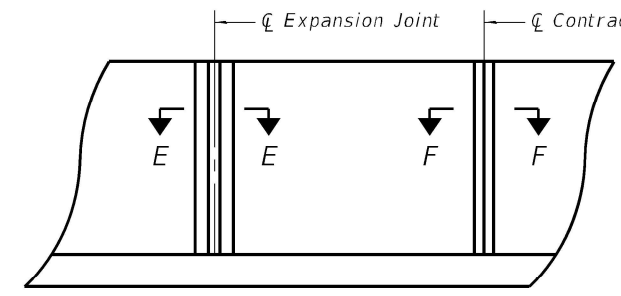
**I-74 RETAINING WALL
 DETAIL PLAN AND ELEVATION - 4**

SHEET 7 OF 11 SHEETS

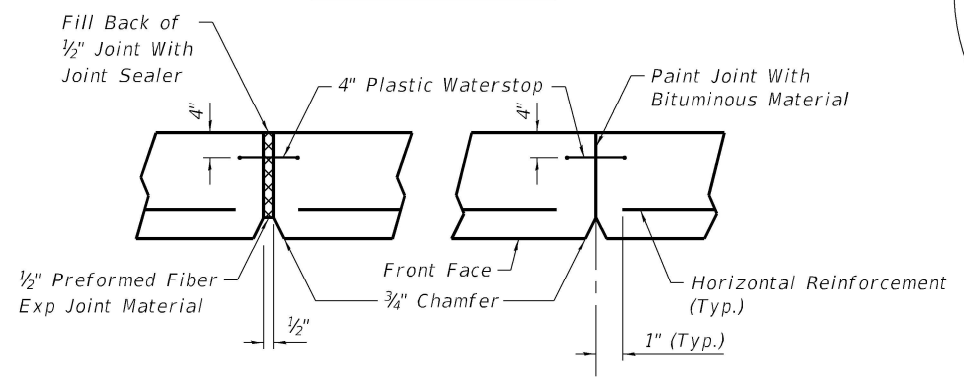
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74 & 57	(10-34-1) HBK	CHAMPAIGN	1187	1031
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				



FRENCH DRAIN / SELECT GRANULAR BACKFILL DETAIL

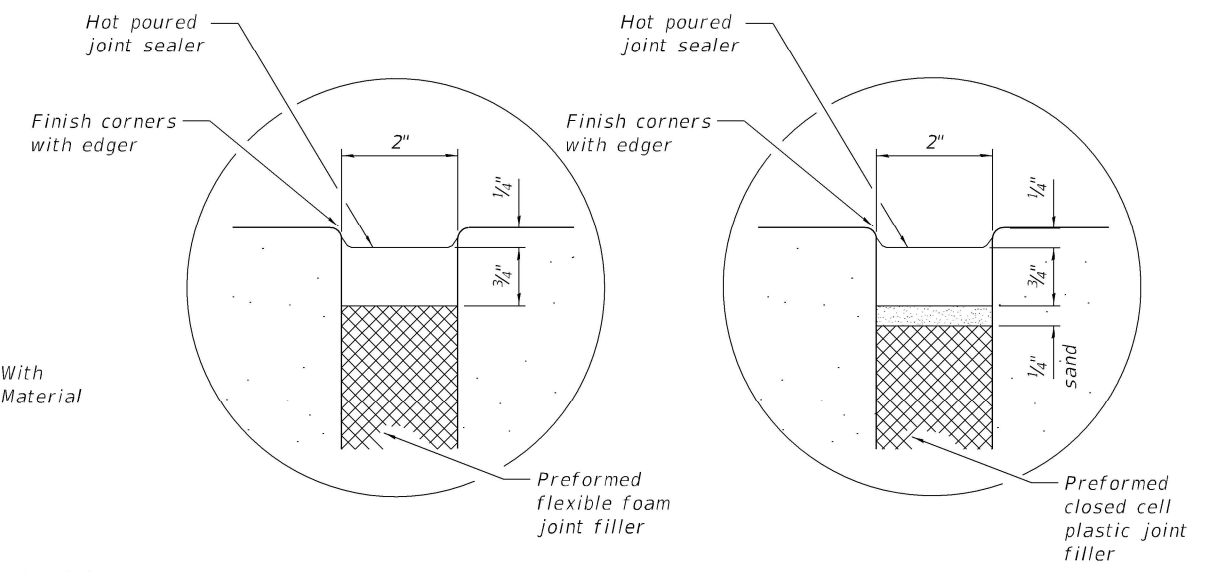


PART ELEVATION



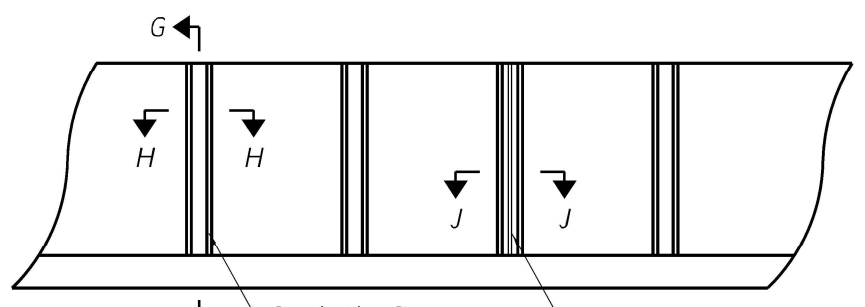
SECTION E-E (Expansion Joint) SECTION F-F (Contraction Joint)

JOINT DETAILS

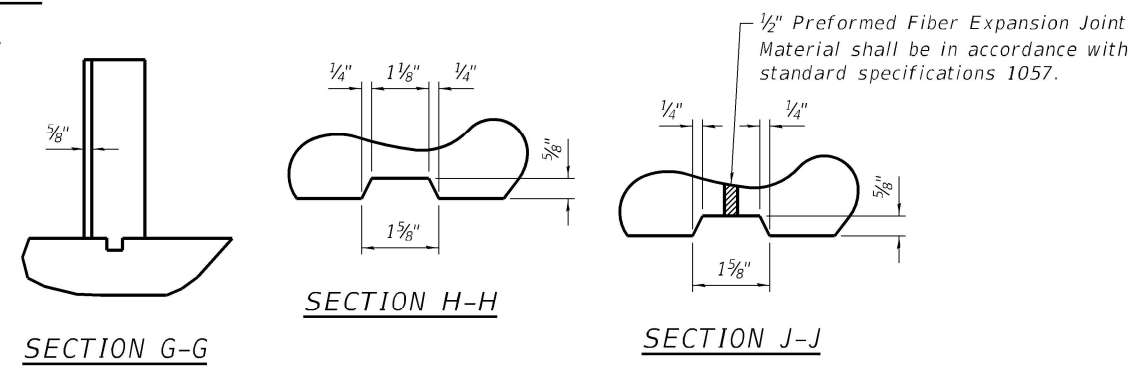


SEALING DETAIL

Note: Cost of sealing material and preformed joint filler shall be included in Concrete Structures.

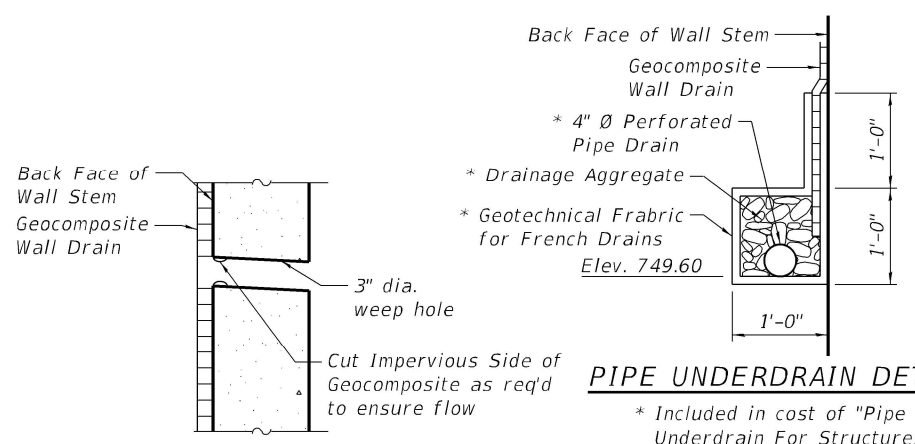


PART ELEVATION



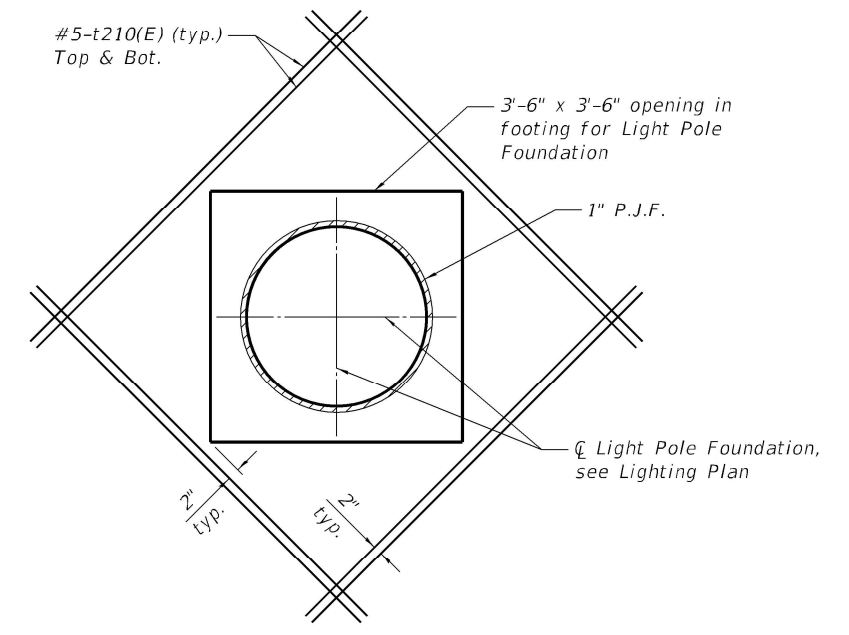
TYPICAL RUSTICATION DETAILS

Note: Rustication shall be located at all vertical joints and spaced at 4'-0" centers between joints.



PIPE UNDERDRAIN DETAIL

WEEP HOLE DRAIN DETAIL



LIGHTPOLE BLOCKOUT DETAIL

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 Illinois Professional Design Firm
 11/18/2011
 20-088056

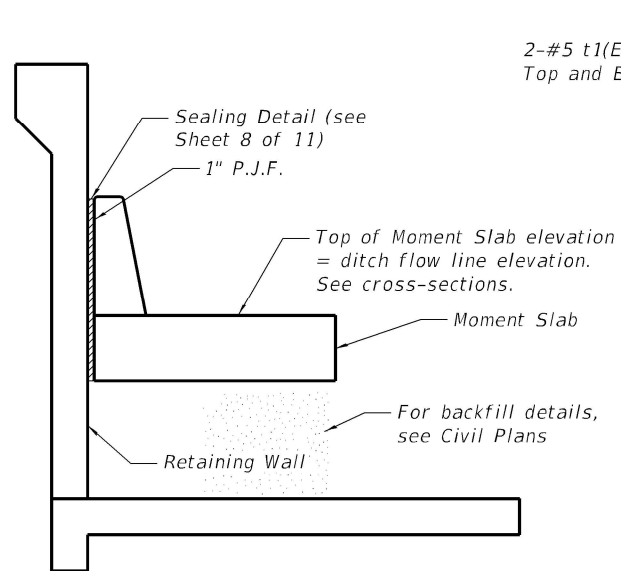
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

I-74 RETAINING WALL WALL SECTION & DETAILS

SHEET 8 OF 11 SHEETS

F.A.I. RTE. 74 & 57	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1032
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				

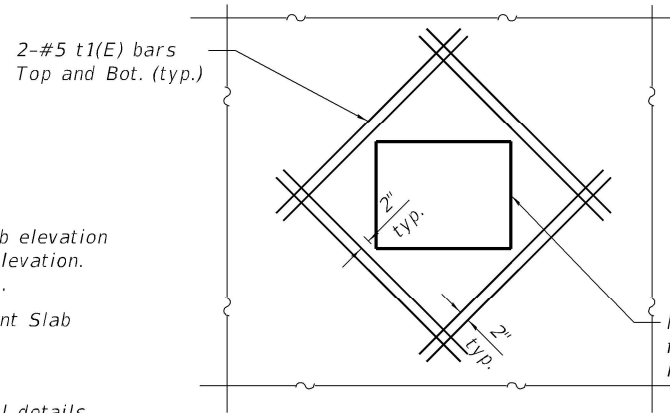


TYPICAL WALL SECTION IN CLEAR ZONE

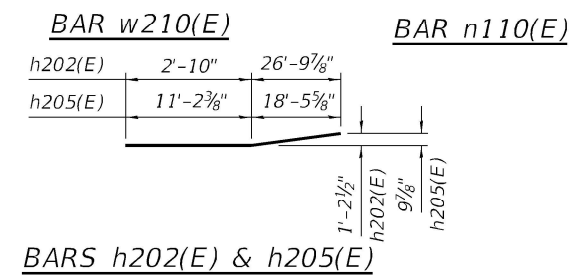
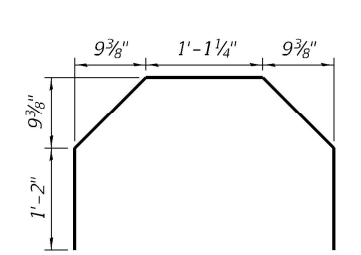
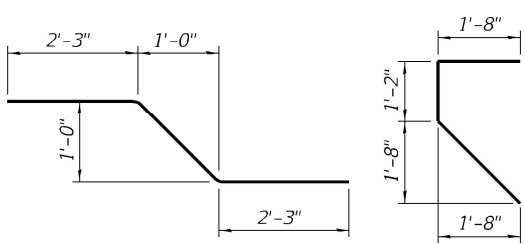
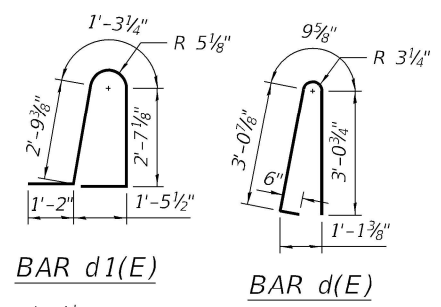
Station 702+10 to 706+05 @ Ramp G =
Station 1+10 to 5+05 @ Retaining Wall

Moment Slab Notes:

- 1" deep contraction joints shall be constructed in both the reinforced concrete barrier wall and base. Contraction joints shall also be constructed at both sides of all drainage structures. Maximum contraction joint spacing shall be 30'-0".
- The forming of contraction joints shall be done with an approved finishing tool or by sawing subject to the satisfactory control of cracking.
- Expansion joints shall be constructed in barrier wall at a maximum joint spacing of 90'-0" and a minimum joint spacing of 40'-0". See Section E-E Expansion Joint Detail on Sheet 8 of 11.

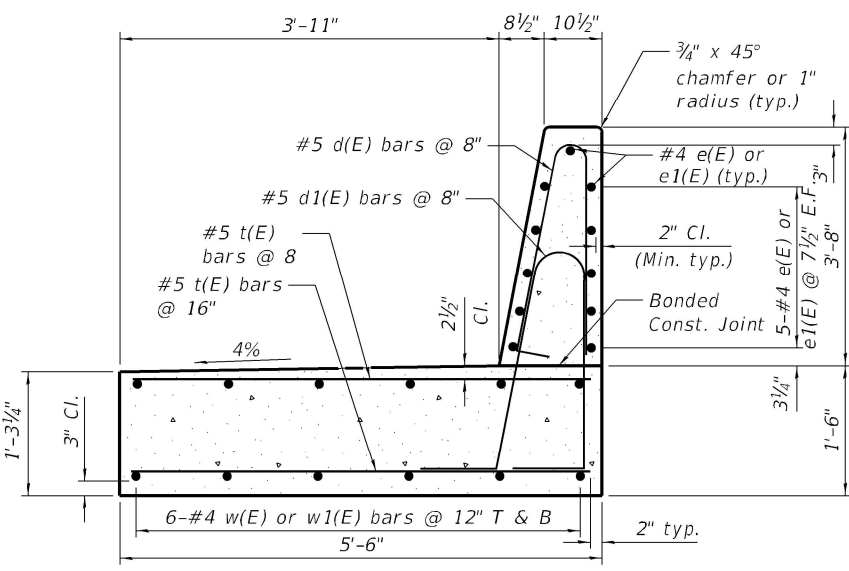


PLAN SHOWING REINFORCEMENT AROUND MOMENT SLAB PENETRATION

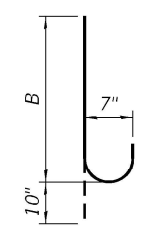


BILL OF MATERIAL

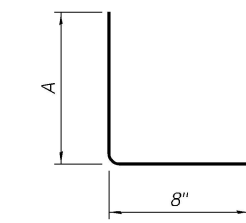
Bar	No.	Size	Length	Shape
d(E)	594	#5	7'-6"	U
d1(E)	533	#5	9'-4"	U
e(E)	99	#4	39'-8"	—
e1(E)	11	#4	34'-8"	—
h201(E)	538	#4	29'-8"	—
h202(E)	8	#4	29'-8"	—
h203(E)	16	#4	7'-8"	—
h204(E)	16	#4	16'-0"	—
h205(E)	8	#4	29'-8"	—
n101(E)	689	#7	7'-6"	U
n102(E)	197	#7	8'-0"	U
n103(E)	391	#7	8'-9"	U
n110(E)	1257	#7	5'-3"	—
n111(E)	120	#7	11'-6"	—
n112(E)	120	#7	11'-1"	—
n113(E)	120	#7	10'-1"	—
n114(E)	120	#7	9'-4"	—
n115(E)	189	#7	7'-8"	—
n116(E)	197	#7	6'-8"	—
n117(E)	394	#7	6'-1"	—
n201(E)	291	#4	4'-6"	—
n202(E)	132	#4	5'-0"	—
n203(E)	261	#4	5'-9"	—
n211(E)	41	#4	11'-6"	—
n212(E)	41	#4	11'-1"	—
n213(E)	41	#4	10'-1"	—
n214(E)	41	#4	9'-4"	—
n215(E)	127	#4	7'-8"	—
n216(E)	132	#4	6'-8"	—
n217(E)	261	#4	6'-1"	—
n300(E)	8	#4	5'-8"	—
t(E)	800	#5	5'-2"	—
t1(E)	32	#5	5'-0"	—
t201(E)	288	#7	12'-8"	—
t202(E)	240	#7	10'-8"	—
t203(E)	240	#7	9'-8"	—
t204(E)	162	#7	8'-8"	—
t205(E)	1364	#6	8'-8"	—
t210(E)	16	#5	6'-6"	—
w(E)	108	#4	39'-8"	—
w1(E)	12	#4	34'-8"	—
w201(E)	184	#4	31'-2"	—
w202(E)	100	#4	39'-7"	—
w203(E)	300	#4	41'-4"	—
w210(E)	106	#4	5'-11"	—
Structure Excavation			Cu. Yd.	5,574
Concrete Structures			Cu. Yd.	1,017.7
Reinforcement Bars, Epoxy Coated			Pound	133,070



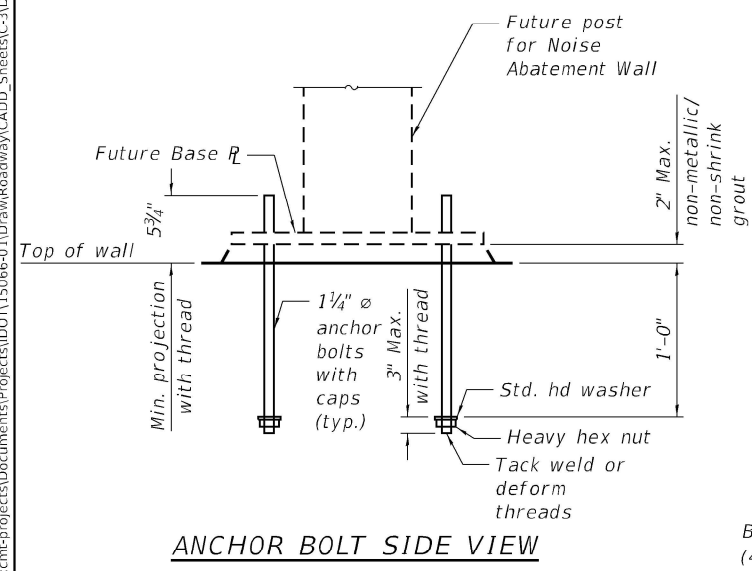
TYPICAL SECTION THRU MOMENT SLAB



Bar	B
n101(E)	6'-8"
n102(E)	7'-2"
n103(E)	7'-11"

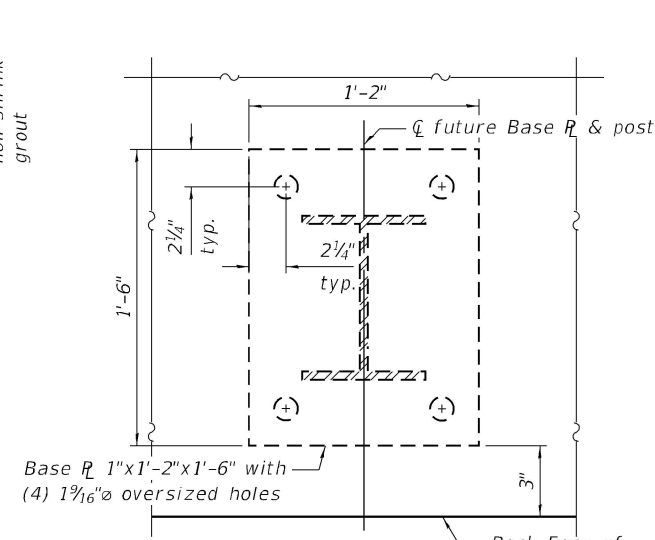


Bar	A
n201(E)	3'-10"
n202(E)	4'-4"
n203(E)	5'-1"

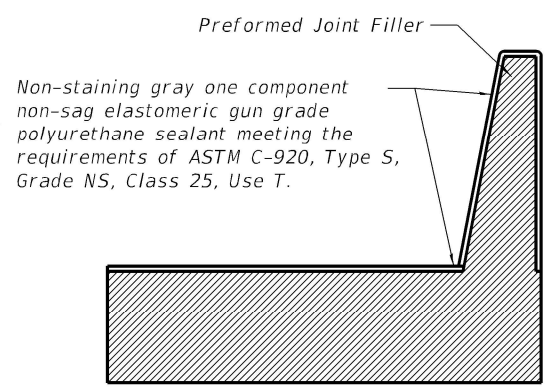


ANCHOR BOLT SIDE VIEW

Grout shall conform to the requirements of Section 1024.02 of the Standard Specifications. Cost shall be included with Anchor Bolt, 1 1/4".



BASE PLATE DETAIL AND ANCHOR BOLT LAYOUT



TYPICAL SECTION THRU JOINT

Note: The forming of contraction joints shall be done with an approved finishing tool or by sawing subject to the satisfactory control of cracking.

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Kaskaskia
Engineering Group, LLC
Professional Engineering Group

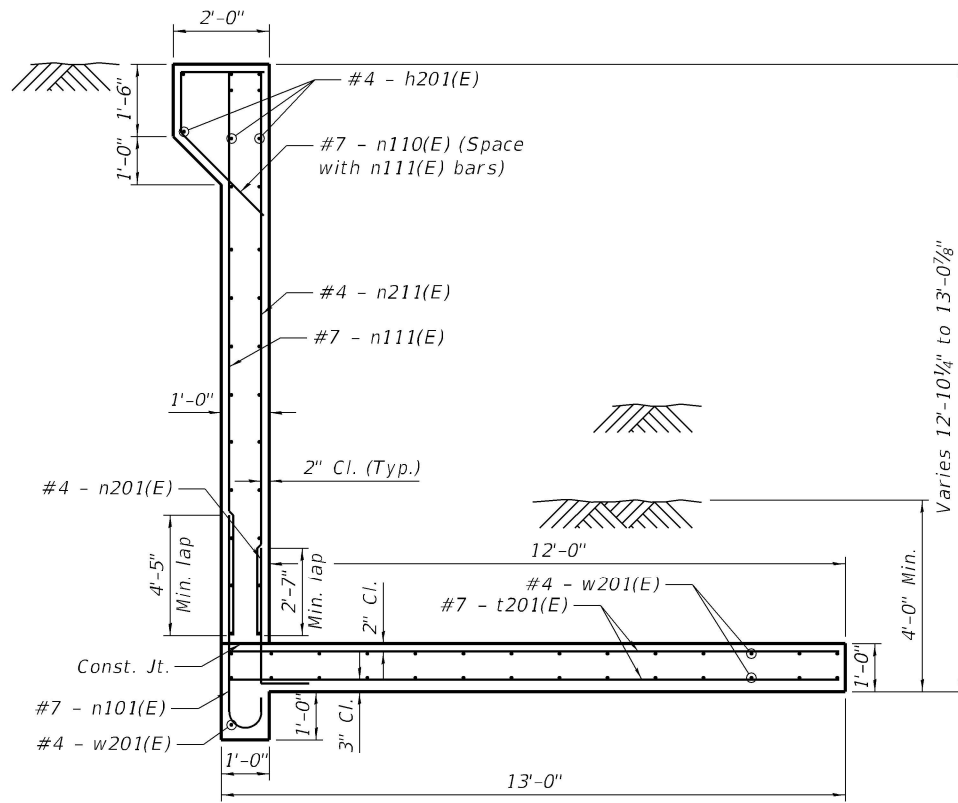
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PLOT DATE = 3/18/2021 - 12:15:29 PM	DRAWN - RJO	REVISIONS -
	CHECKED - JW	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 RETAINING WALL
DETAILS & BILL OF MATERIALS

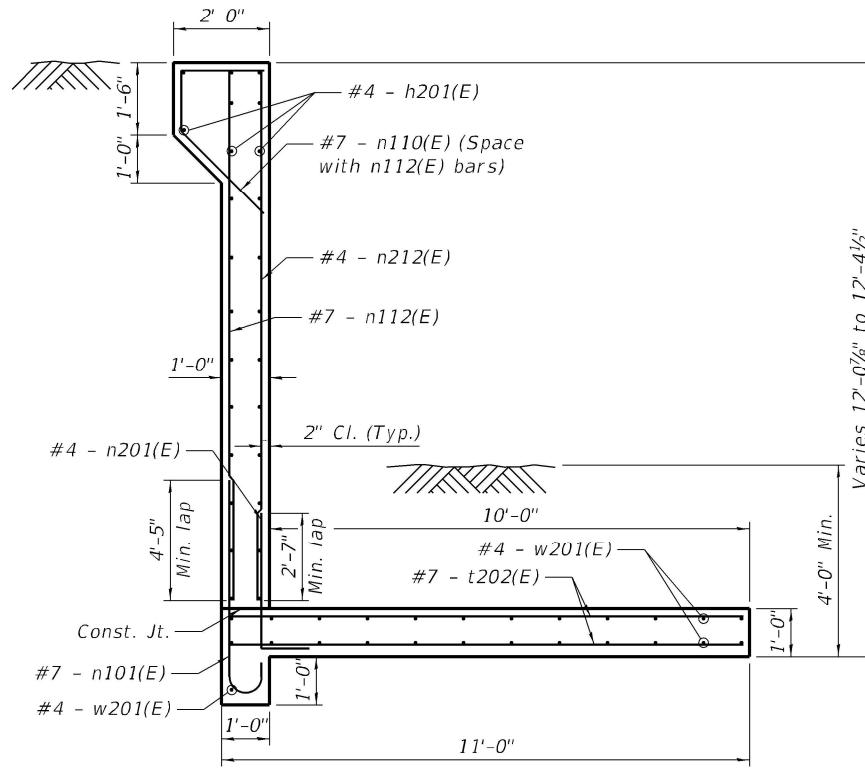
SHEET 9 OF 11 SHEETS

F.A.I. RTE. 74 & 57	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1033
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	



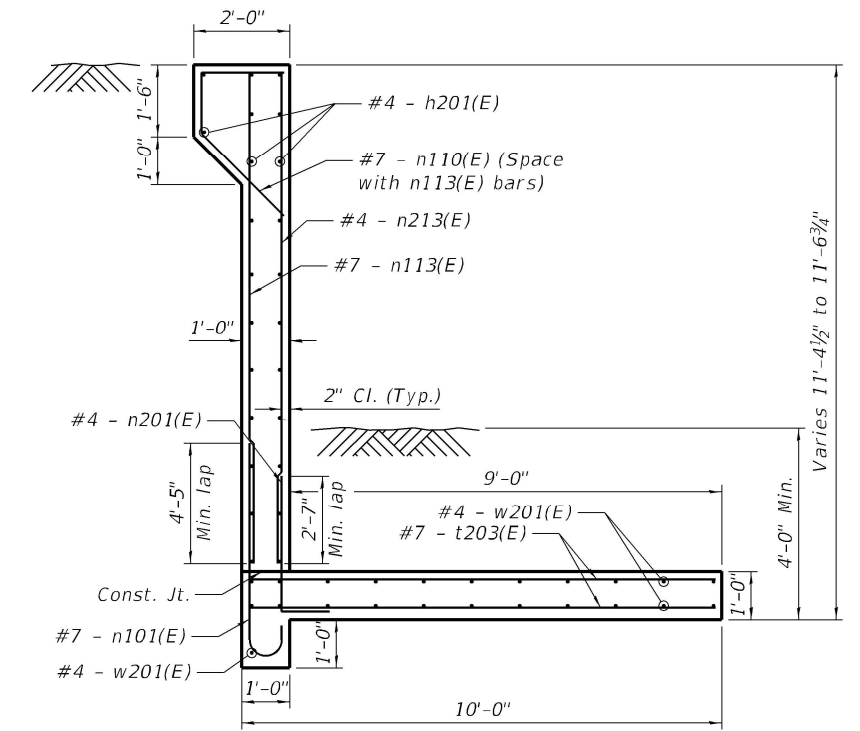
SECTION A-A

For location of Section A-A, See Sheet No. 4 of 11.



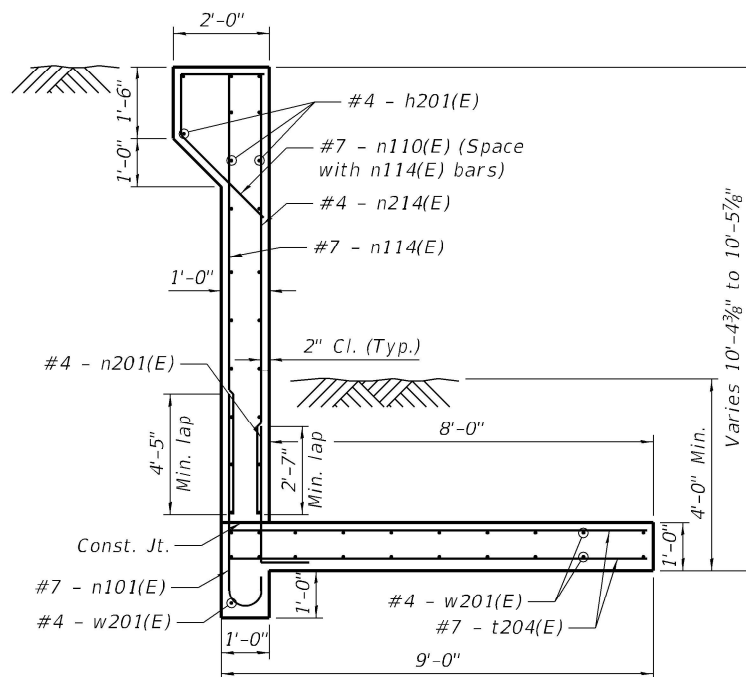
SECTION B-B

For location of Section B-B, See Sheet No. 4 of 11.



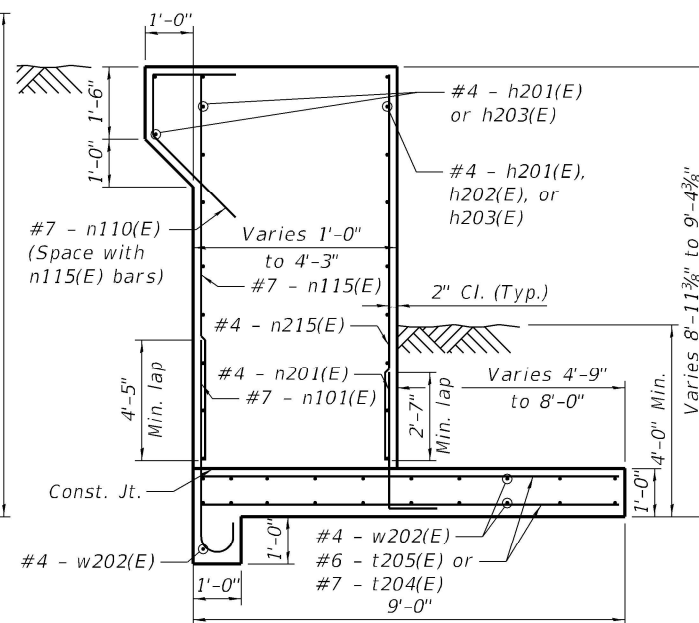
SECTION C-C

For location of Section C-C, See Sheet No. 4 of 11.



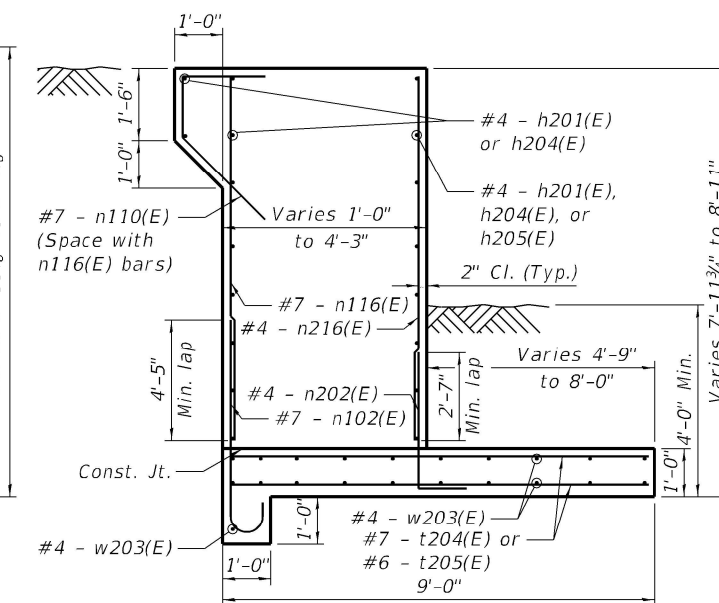
SECTION D-D

For location of Section D-D, See Sheet No. 4 of 11.



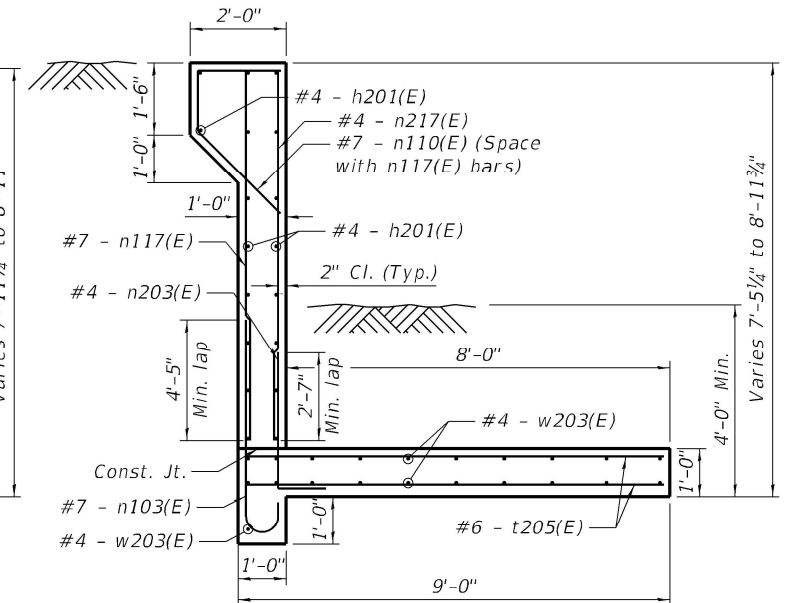
SECTION E-E

For location of Section E-E, See Sheet No. 5 of 11.



SECTION F-F

For location of Section F-F, See Sheet Nos. 5 & 6 of 11.



SECTION G-G

For location of Section G-G, See Sheet No. 6 of 11.

NOTES:

For Elevation showing reinforcement, See Sheet Nos. 4 thru 7 of 11.

The retaining wall footing maximum applied service bearing pressure (Q_{max}) = 1.77 ksf (assumed)

MODEL: Default
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 3/18/2021 - 12:15:31 PM 12:15:32 PM

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 309.441.1111
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PLOT SCALE = N/A	CHECKED - JW	REVISD -
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	CHECKED - JW	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 RETAINING WALL
WALL SECTIONS

SHEET 10 OF 11 SHEETS

F&A RTE. 74 & 57	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1034
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				



3705 Progress Blvd
Peru, IL 61354
815 780-8486

SOIL BORING LOG

Solutions You Can Build On

Date 6/11/15

ROUTE I-57/74 DESCRIPTION Westbound on I-57/74 LOGGED BY TLM

SECTION 10(5-1 RS-1,14-1,6)R LOCATION , SEC. , TWP. , RNG. ,

Latitude 40.13917, Longitude -88.273639

COUNTY Champaign DRILLING METHOD SSA HAMMER TYPE

STRUCT. NO. _____
Station _____
BORING NO. RB-04
Station 1100+00
Offset 25.0 ft Lt.
Ground Surface Elev. 760.20 ft

D E P T H (ft) B L O W S (/6") U C S Qu (tsf) M O I S T (%)

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After _____ Hrs. _____ ft

12" Aggregate SHLD	759.20					
Black/Brown Silty Clay	758.70				19	
Brown Silty Clay, Stiff, Moist	758.20				19	
Brown Silty Clay with Silt Seams +2" Thick, Moist	756.20					
Dark Gray Silty Clay Till, Trace Sand	754.20					
Brown Silty Clay	752.70					
End of Boring						

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)



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SOIL BORING LOG

Solutions You Can Build On

Date 6/11/15

ROUTE I-57/74 DESCRIPTION Westbound on I-57/74 LOGGED BY TLM

SECTION 10(5-1 RS-1,14-1,6)R LOCATION , SEC. , TWP. , RNG. ,

Latitude 40.1406, Longitude -88.2766

COUNTY Champaign DRILLING METHOD SSA HAMMER TYPE

STRUCT. NO. _____
Station _____
BORING NO. RB-06
Station 1090+00
Offset 26.0 ft Lt.
Ground Surface Elev. 756.50 ft

D E P T H (ft) B L O W S (/6") U C S Qu (tsf) M O I S T (%)

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After _____ Hrs. _____ ft

12" Aggregate SHLD	755.50					
Black Silty Clay, Moist, Stiff	755.00				24	
Brown Silty Clay Loam, Stiff, Moist	754.00					
Brown Silty Clay Loam Till, Moist, Stiff	753.00					
Brown/Gray Clay Till, Moist, Stiff to Very Stiff	750.50					
Brown Loamy Fine Sand	749.50				18	
End of Boring						

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)

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SOIL BORING I-57-74 INTERCHANGE - ROADWAY VERSION 1.GPJ IL_DOT.GDT 10/27/15

SOIL BORING I-57-74 INTERCHANGE - ROADWAY VERSION 1.GPJ IL_DOT.GDT 10/27/15

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 RETAINING WALL
SOIL BORING LOGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74 & 57	(10-34-1) HBK	CHAMPAIGN	1187	1035
CONTRACT NO. 70B99				

SHEET 11 OF 11 SHEETS

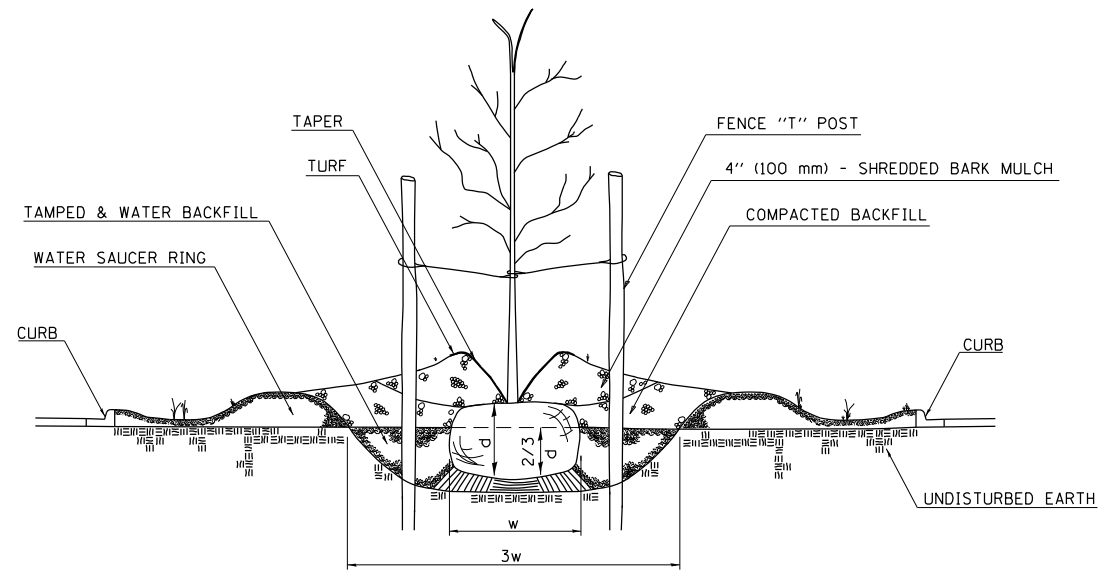
ILLINOIS FED. AID PROJECT

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Engineering Group, LLC
Professional Engineering Group

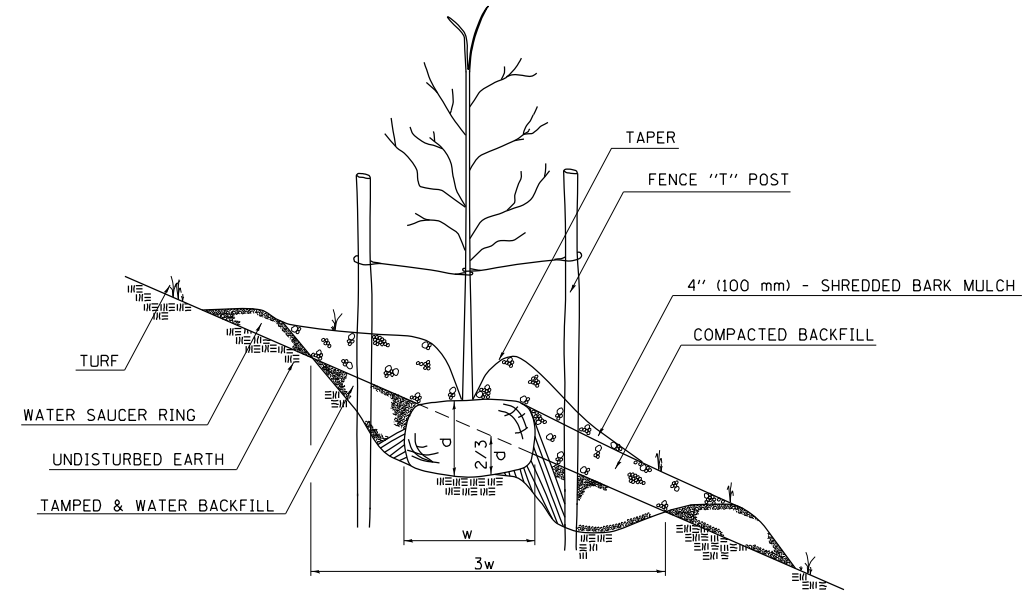
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DESIGNED - MLC
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REVISIED -
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REVISIED -

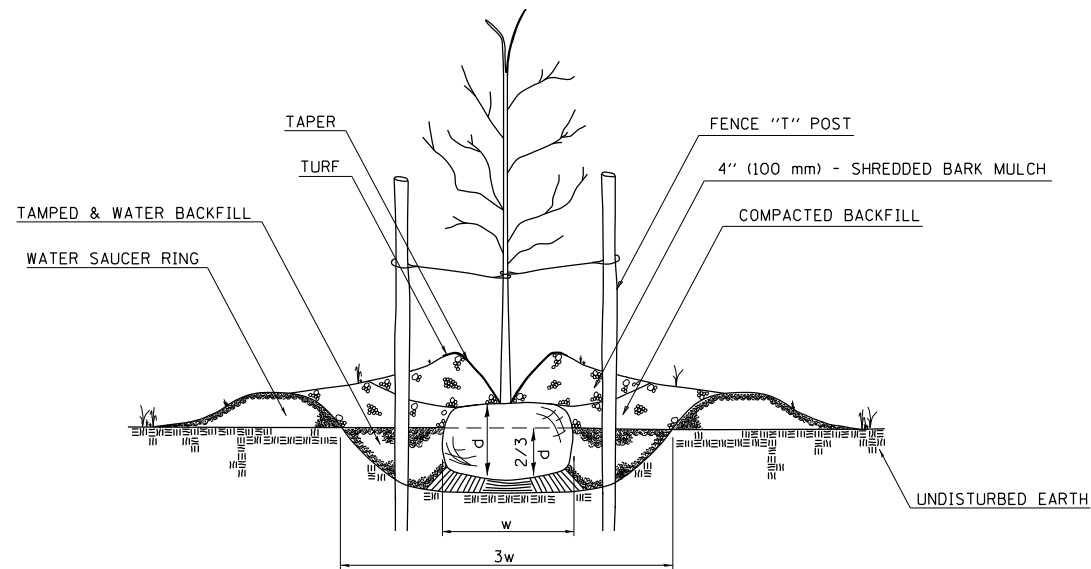
PARKWAY PLANTING DETAIL



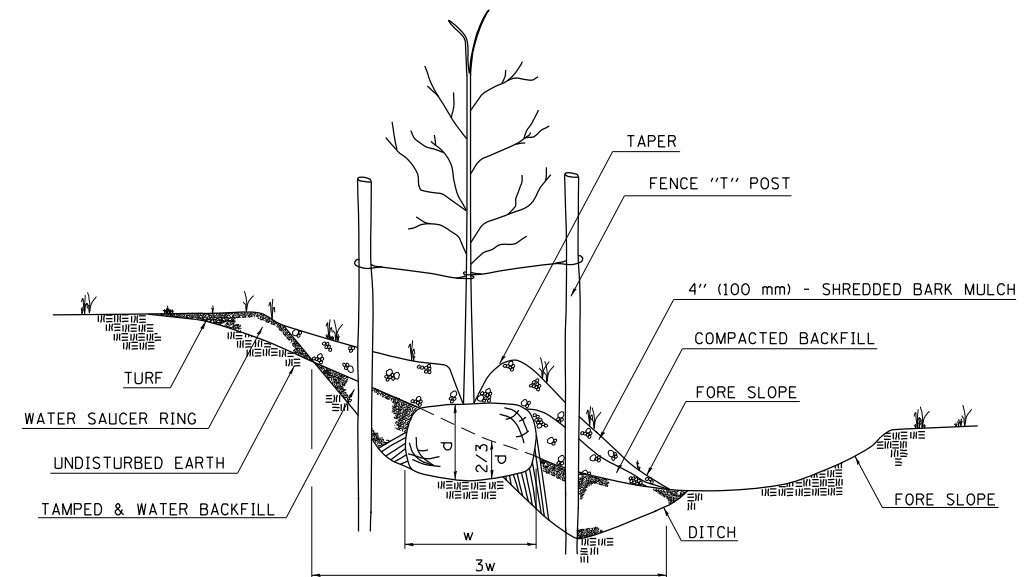
HILL PLANTING DEPTH



FLAT GROUND PLANTING DETAIL



DITCH AREA PLANTING DETAIL



HOLE DEPTH SCHEDULE

Tree Size (Caliper)		Shrub Tree Height		Evergreen Height		Min. Diameter Ball (w)		Min. Depth Ball (d)		Hole Depth (2/3d)		Hole Width (3w)	
6 mm	1/4 in	600 mm	2 ft	500 mm	1.5 ft	255 mm	10 in	190 mm	7 1/2 in	130 mm	5 in	760 mm	30 in
13	1/2	900	3	600	2	300	12 in	230	9	150	6	900	36
19	3/4	1250	4	900	3	355	14	270	10 1/2	180	7	1070	42
25	1	1500	5	1250	4	400	16	300	12	205	8	1220	48
30	1 1/4	1800	6	1375	4 1/2	460	18	345	13 1/2	230	9	1375	54
40	1 1/2	2000	7	1500	5	500	20	345	13 1/2	230	9	1525	60
45	1 3/4	2500	8	1800	6	560	22	370	14 1/2	255	10	1680	66
50	2	2700	9	2000	7	600	24	400	16	280	11	1830	72
60	2 1/2	3000	10	2500	8	700	28	470	18 1/2	300	12	2140	84
80	3	3500	11	2700	9	800	32	500	20	330	13	2440	96
90	3 1/2	3700 mm	12 ft	3700	12	960	38	585	23	380	15	2900	114
100	4			4300	14	1070	42	635	25	430	17	3200	126
110	4 1/2			4900	16	1220	48	740	29	485	19	3660	144
130	5			5400 mm	18 ft	1375	54	815	32	535	21	4115	162
140	5 1/2					1450	57	865	34	585	23	4315	171
150	6					1525	60	915	36	610	24	4575	180
180	7					1780	70	1070	42	700	28	5330	210
205 mm	8 in					2030 mm	80 in	1220 mm	48 in	815 mm	32 in	6070 mm	240 in

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 253AAAAA

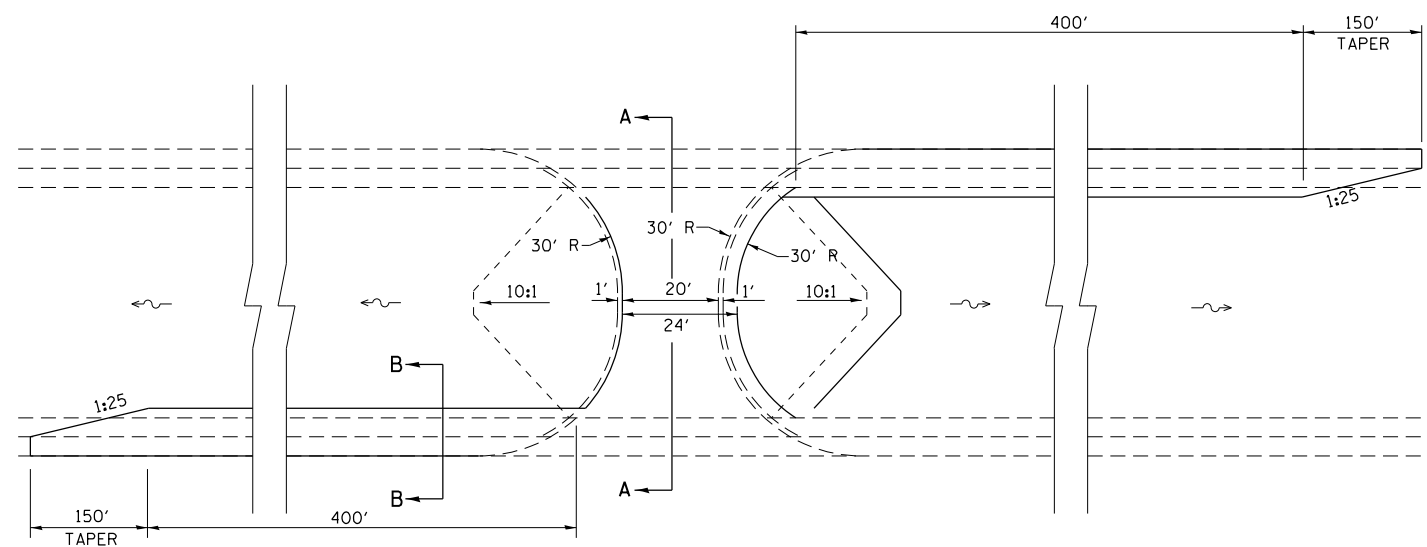
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Section 200	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

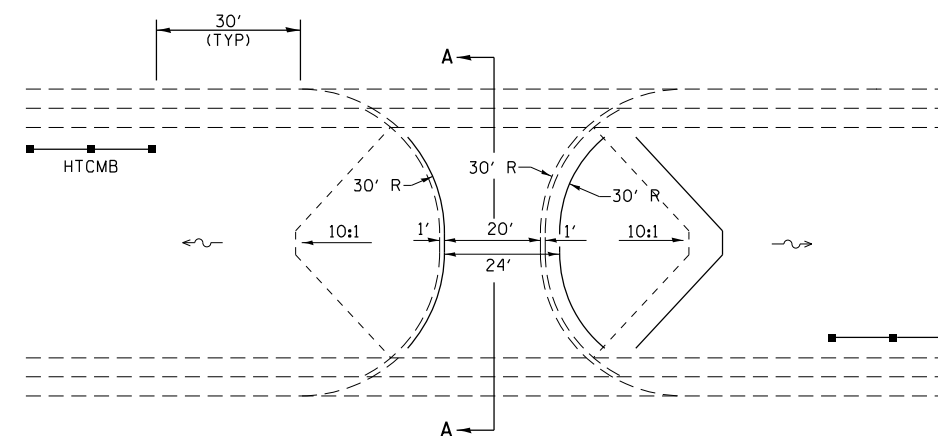
PLANTING DETAILS
DISTRICT 5 DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

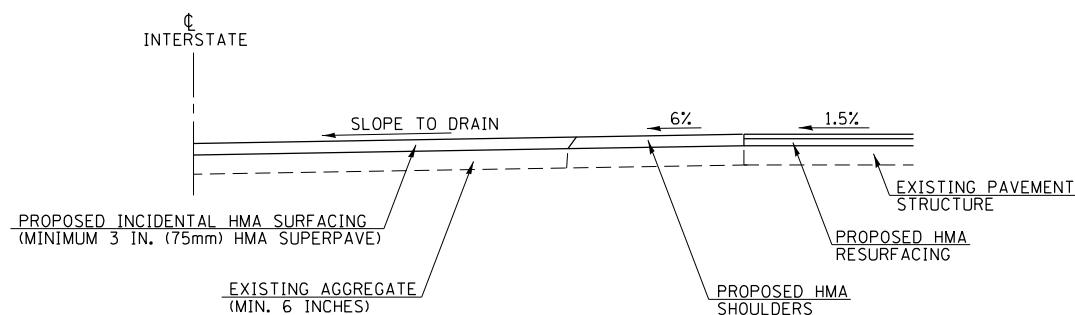
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1)HBK	CHAMPAIGN	1187	1036
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				



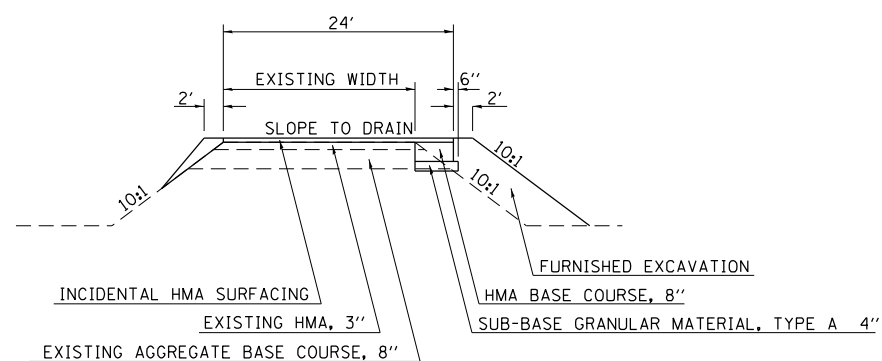
PLAN VIEW WITH DECELERATION LANES
(USE AT "SPOT" LOCATIONS ONLY)



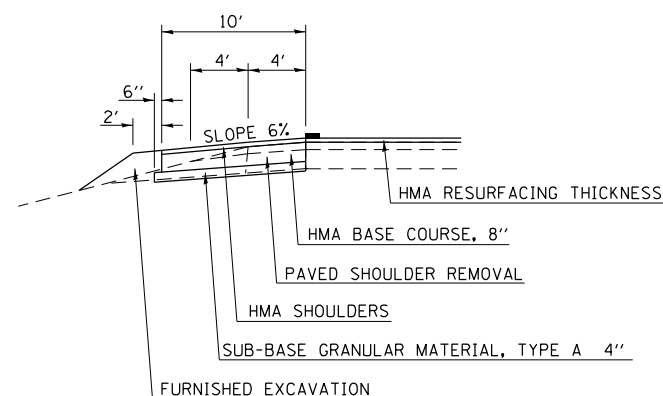
TYPICAL PLAN VIEW
(STANDARD APPLICATION)



SECTION A-A
SYMMETRICAL ABOUT CENTERLINE



ELEVATION



SECTION B-B

GENERAL NOTES

OMIT SHOULDER RUMBLE STRIPS THROUGHOUT MEDIAN CROSSOVER AND DECELERATION LANES.
REMOVAL OF EXISTING AGGREGATE SHOULDERS IS INCIDENTAL TO THE COST OF PROPOSED 8" BITUMINOUS CONCRETE BASE COURSE.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

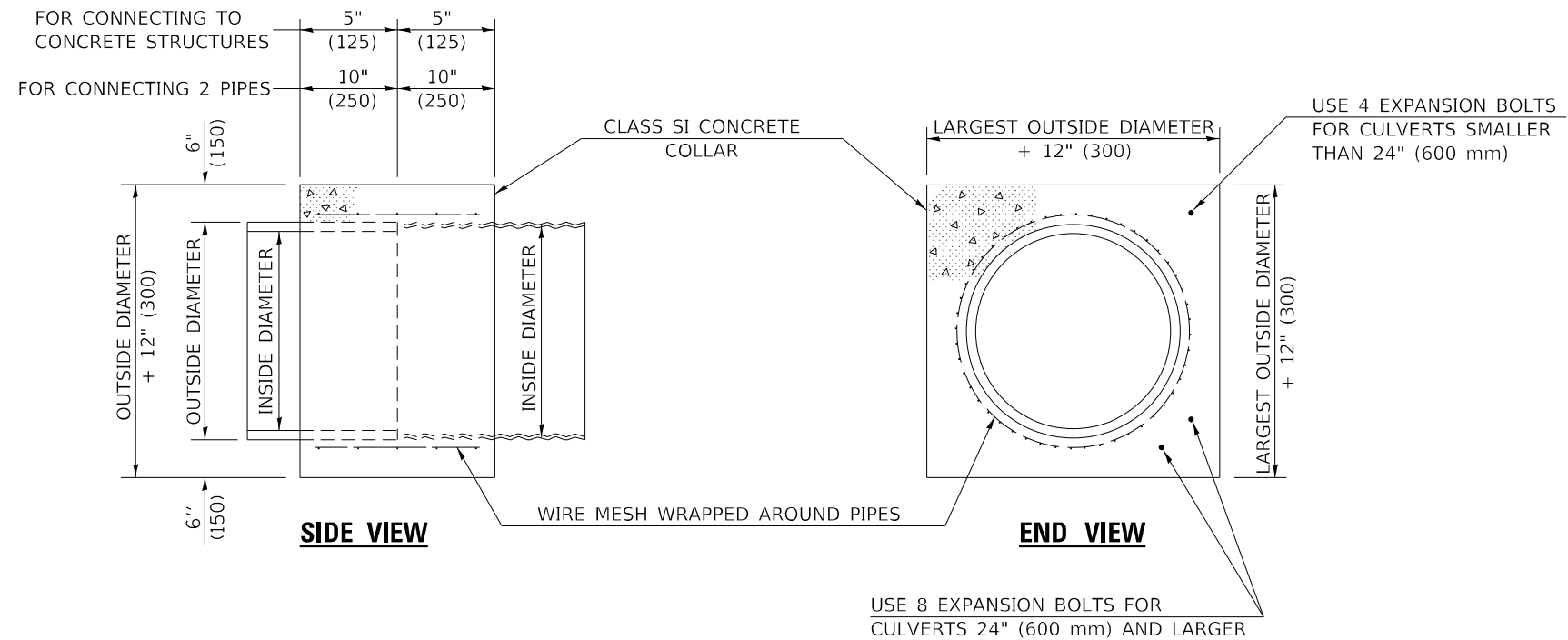
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MEDIAN CROSSOVER
DISTRICT 5 DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 35501316				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1)HBK	CHAMPAIGN	1187	1037
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIAMETERS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIAMETER (SEE END VIEW).
3. THE WIRE MESH SHALL WEIGH NOT LESS THAN 54#/100 SQ. FT. (2.63 kg/m²).
4. WHEN CONCRETE COLLARS ARE CONSTRUCTED ADJACENT TO AN EXISTING CONCRETE STRUCTURE (HEADWALLS, ETC.) EXPANSION BOLTS, SHALL BE USED AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR EXPANSION BOLTS OF THE SIZE SPECIFIED IN THE PLANS.
5. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, PER CUBIC YARD (CUBIC METER), FOR CONCRETE COLLARS INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

QUANTITIES FOR CONCRETE PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU.YD. (m ³)
4" (100)	0.14 (0.11)
6" (150)	0.16 (0.12)
8" (200)	0.19 (0.14)
10" (250)	0.22 (0.17)
12" (300)	0.25 (0.19)
15" (375)	0.30 (0.23)
18" (450)	0.35 (0.27)
24" (600)	0.45 (0.35)
30" (750)	0.57 (0.43)
36" (900)	0.69 (0.53)
42" (1050)	0.83 (0.63)
48" (1200)	0.97 (0.74)
54" (1350)	1.12 (0.86)
60" (1500)	1.28 (0.98)

QUANTITIES FOR METAL PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU.YD. (m ³)
4" (100)	0.12 (0.09)
6" (150)	0.14 (0.11)
8" (200)	0.16 (0.12)
10" (250)	0.19 (0.14)
12" (300)	0.21 (0.16)
15" (375)	0.25 (0.19)
18" (450)	0.29 (0.22)
24" (600)	0.38 (0.29)
30" (750)	0.47 (0.36)
36" (900)	0.59 (0.45)
42" (1050)	0.69 (0.53)
48" (1200)	0.81 (0.62)
54" (1350)	0.93 (0.71)
60" (1500)	1.05 (0.81)

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

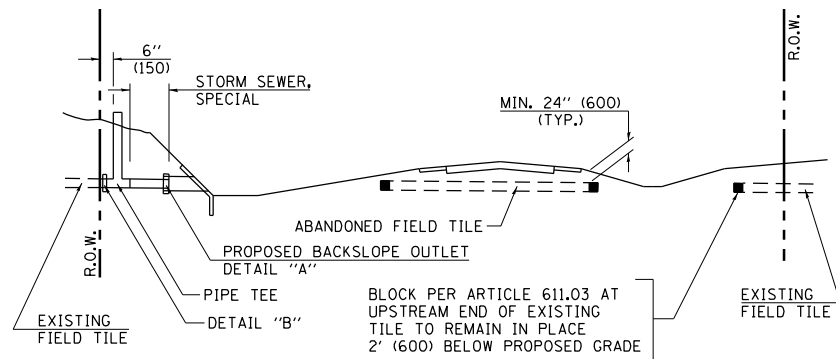
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONCRETE COLLAR
DISTRICT 5 DETAILS**

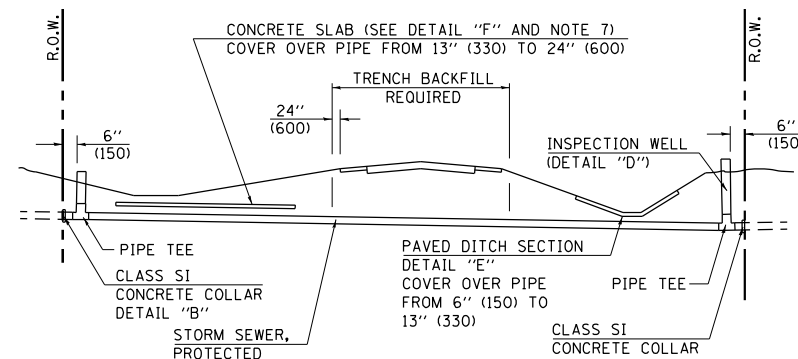
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 54248510				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1)HKB	CHAMPAIGN	1187	1038
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				



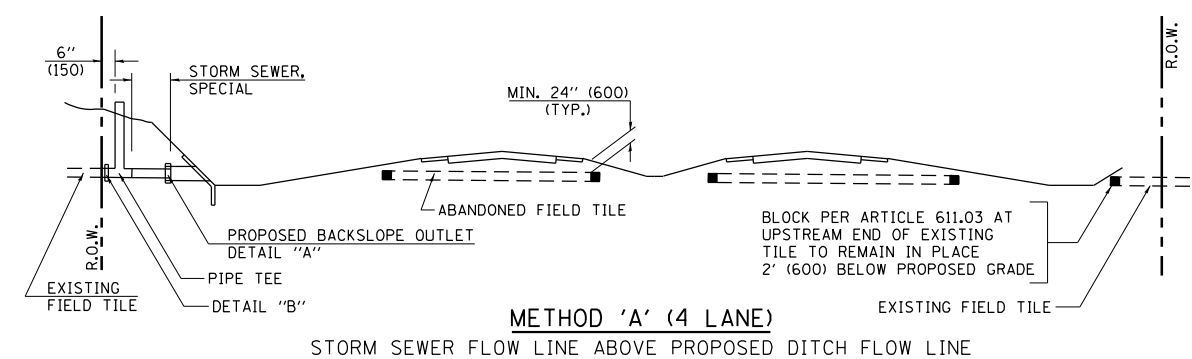
METHOD 'A' (2 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE



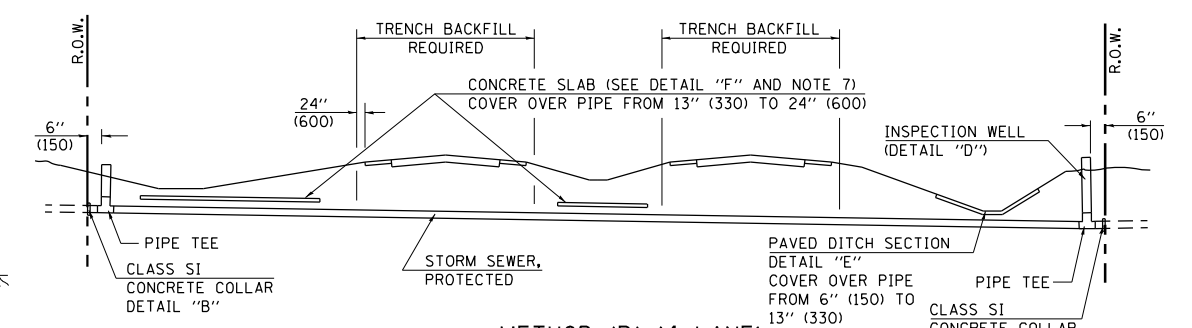
METHOD 'B' (2 LANE)

STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENT AND PAVED DITCH



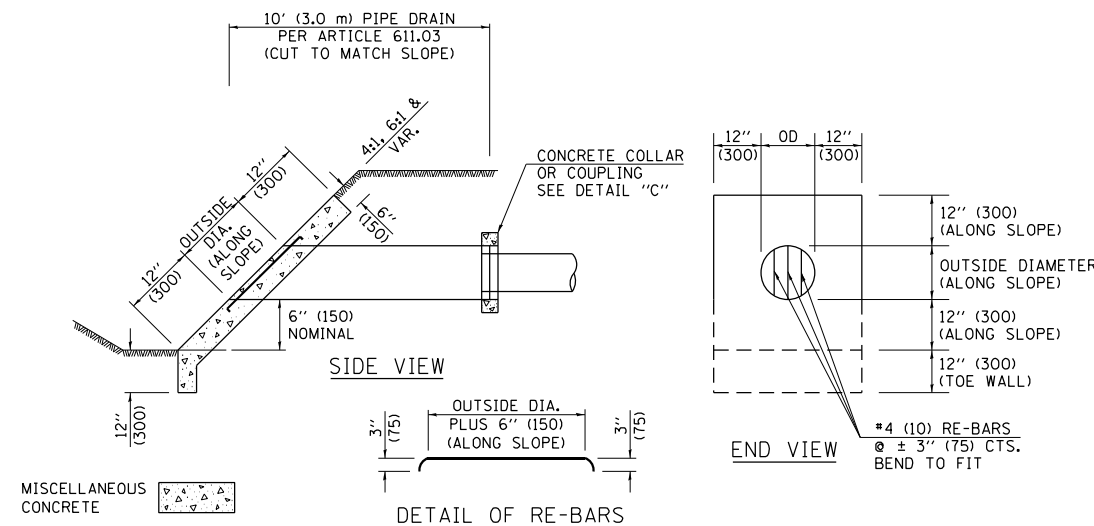
METHOD 'A' (4 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE

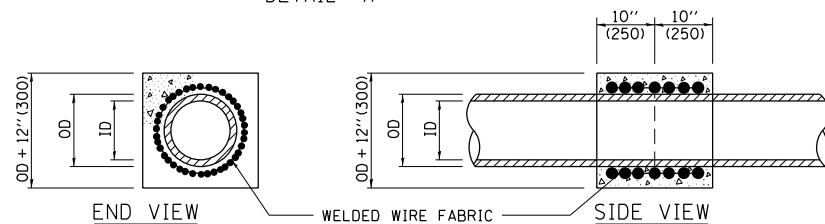


METHOD 'B' (4 LANE)

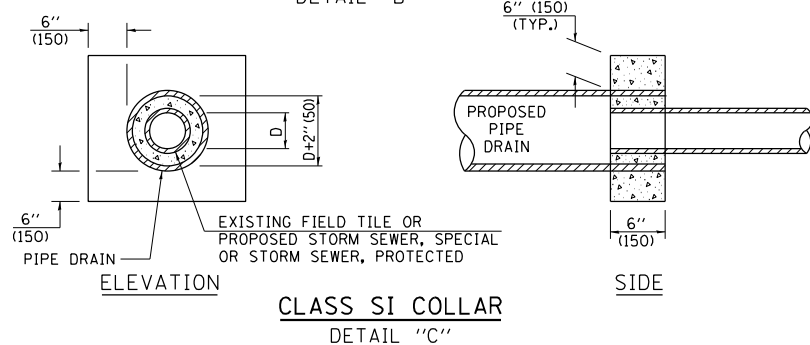
STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENTS AND PAVED DITCHES



**HEADWALL FOR BACKSLOPE OUTLET
DETAIL "A"**



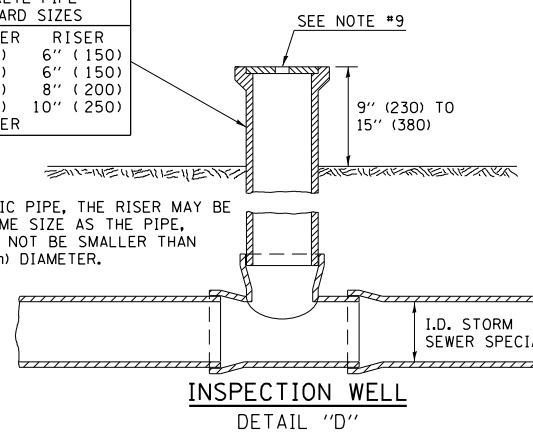
**CONCRETE COLLAR
DETAIL "B"**



**CLASS SI COLLAR
DETAIL "C"**

CONCRETE PIPE STANDARD SIZES	
STORM SEWER RISER	
6" (150)	6" (150)
8" (200)	6" (150)
10" (250)	8" (200)
12" (300)	8" (200)
OR GREATER	10" (250)

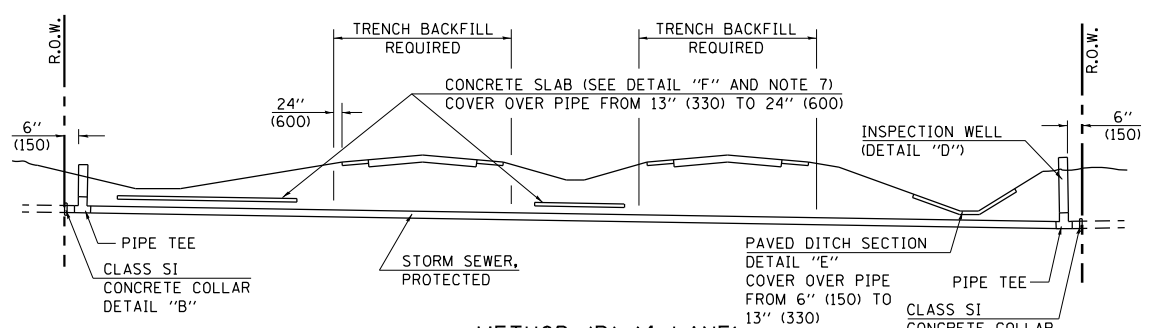
FOR PLASTIC PIPE, THE RISER MAY BE OF THE SAME SIZE AS THE PIPE, BUT SHALL NOT BE SMALLER THAN 4" (100 mm) DIAMETER.



**INSPECTION WELL
DETAIL "D"**

GENERAL NOTES

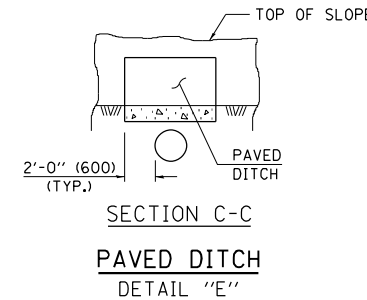
- EXISTING FIELD TILE ENCOUNTERED BY EXPLORATION TRENCH SHALL BE INSPECTED BY THE ENGINEER FOR UNOBSTRUCTED FLOW WITHIN THE LIMITS OF THE RIGHT-OF-WAY.
- ONLY FIELD TILE THAT DOES NOT HAVE SATISFACTORY FLOW AND OR HAS VISIBLE SIGNS OF DETERIORATION (SINK HOLES, ETC.) SHALL BE REPLACED WITHIN THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH METHOD "B".
- INSPECTION WELLS SHALL BE CONSTRUCTED APPROXIMATELY 6" (150 mm) INSIDE OF BOTH RIGHT-OF-WAY LINES AT ALL FIELD TILE LOCATIONS.
- EXISTING FIELD TILE ABANDONED UNDER EXISTING PAVEMENTS OR PAVED SHOULDERS SHALL BE FILLED WITH FLOWABLE GROUT AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
- NON-CIRCULAR FIELD TILE SHALL BE REPLACED WITH STORM SEWER, SPECIAL OF AT LEAST THE SAME CROSS SECTIONAL AREA. ALL EXISTING FIELD TILE SHALL BE REPLACED WITH STORM SEWER OF THE TYPE REQUIRED FOR THE MINIMUM DEPTH OF COVER.
- THE 6" (150 mm) CONCRETE SLAB OR DITCH LINING SHALL BE POURED THE LENGTH OF THE TRENCH AT ALL DITCH FLOW LINE LOCATIONS WITHIN THE RIGHT-OF-WAY WITH LESS THAN 2' (600 mm) OF EARTH COVER. MISCELLANEOUS CONCRETE SHALL BE USED ACCORDING TO SECTION 611.
- ALL MISCELLANEOUS SLABS, APRONS AND DITCH LININGS SHALL BE REINFORCED WITH WELDED WIRE FABRIC AS SHOWN FOR PAVED DITCH IN STANDARD 606401.
- HEADWALL FOR BACKSLOPE OUTLET MAY BE USED FOR PIPE DRAIN DIAMETERS UP TO 10" (250 mm). SPECIAL DESIGNS WILL BE REQUIRED FOR LARGER SIZES.
- THE INSPECTION WELL LID FOR P.C.C. PIPE SHALL BE CONSTRUCTED OF 3/8" (10 mm) CAST IRON AND PROVIDED WITH A 1" (25 mm) DIAMETER HOLE IN CENTER. THE LID FOR THE OTHER PIPE MATERIALS SHALL BE A GRATE ASSEMBLY PREFABRICATED FOR AND COMPATIBLE WITH THE PIPE SYSTEM.



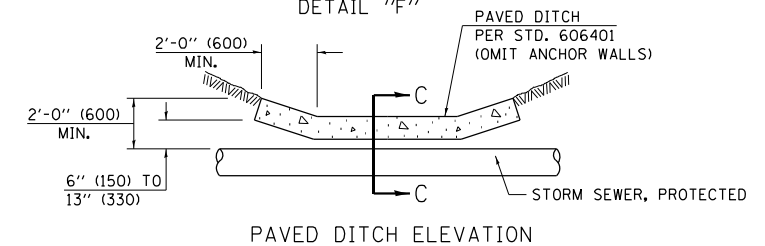
SLAB ELEVATION

**CONCRETE SLAB
DETAIL "F"**

SECTION B-B



**SECTION C-C
PAVED DITCH
DETAIL "E"**



PAVED DITCH ELEVATION

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = Matt Overbey	DESIGNED -	REVISED - 11/06
...\\0570899-sht-D5-District Standards.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
Section 600	PLOT DATE = 3/18/2021 - 12:47:50 PM	DATE - MARCH 2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

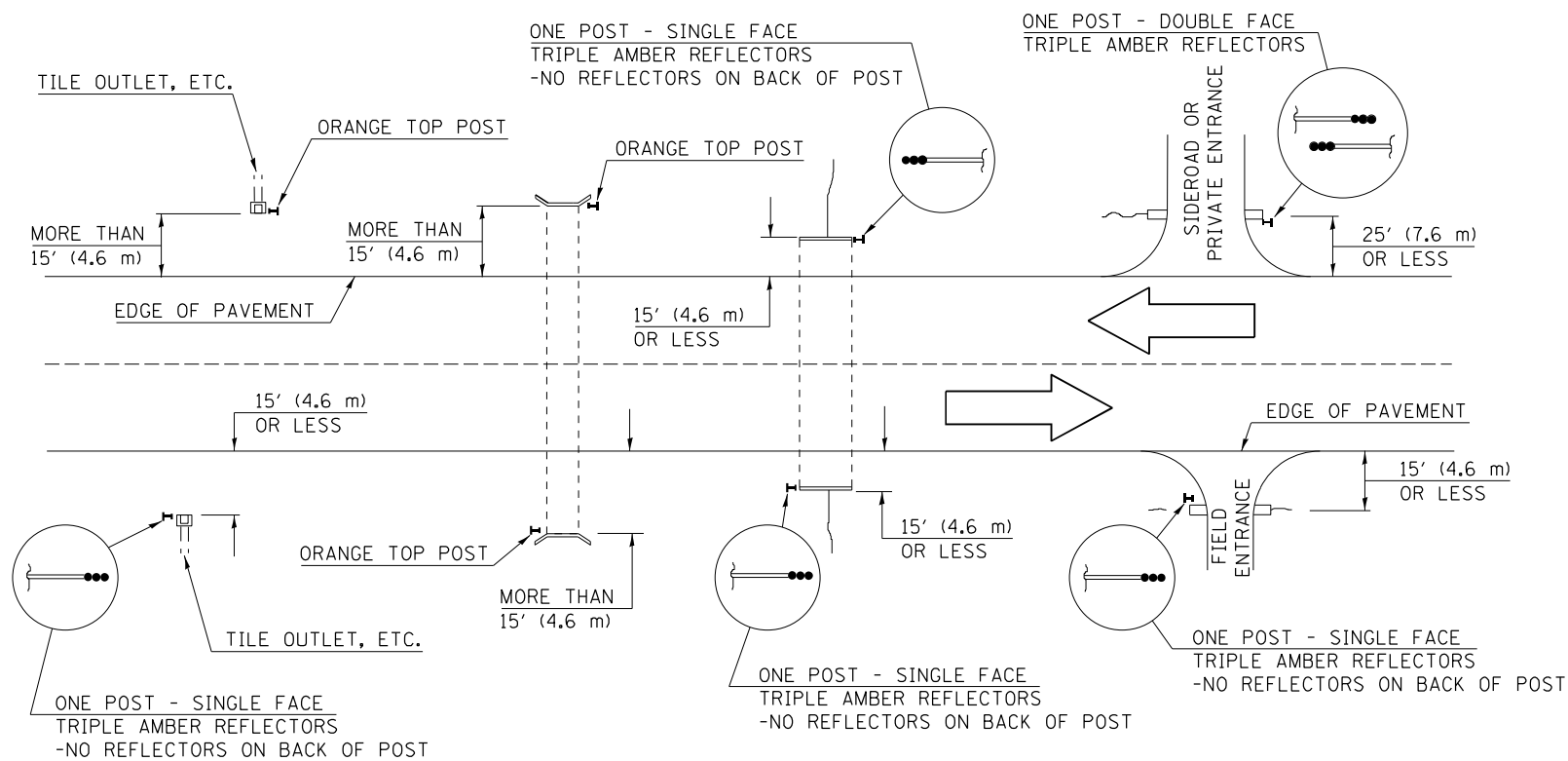
**FIELD TILE SYSTEMS (TREATMENT OF EXISTING)
DISTRICT 5 DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 61101011A

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1)HBK	CHAMPAIGN	1187	1039
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				

IDENTIFICATION OF ROADSIDE HAZARDS FOR TWO-LANE ROADWAYS



BILL OF MATERIALS

DELINEATOR TYPE	SINGLE FACE	DOUBLE FACE	NO REFLECTOR	TOTAL DELINEATORS
SINGLE CRYSTAL		N/A	N/A	
DOUBLE CRYSTAL			N/A	
SINGLE AMBER			N/A	
DOUBLE AMBER		N/A	N/A	
TRIPLE AMBER			N/A	
ORANGE TOP	N/A	N/A		
			TOTAL	

NOTES

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE THERE IS NO GUARDRAIL, OR OTHER PERMANENT BARRIER, ON THE SAME SIDE OF ROAD AS THE HAZARD.

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE DELINEATORS ARE NOT IN PLACE ALONG THE EDGE OF SHOULDER.

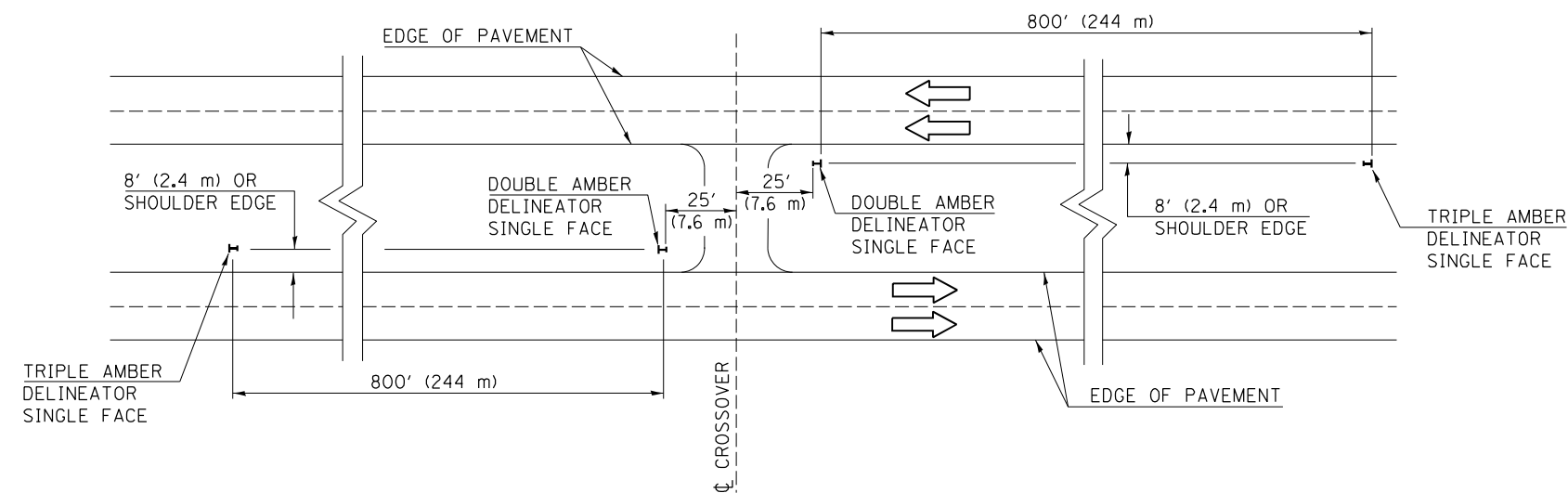
EACH POST SHALL BE CONSIDERED AS ONE DELINEATOR FOR PAYMENT, REGARDLESS OF THE NUMBER OF DELINEATORS ATTACHED TO IT.

POSTS INDICATED AS "ORANGE TOP" SHALL HAVE NO REFLECTORS. THEY SHALL HAVE THE TOP 12" (300 mm) (MINIMUM) OF THE POST PAINTED A BRIGHT ORANGE COLOR SIMILAR TO CONSTRUCTION SIGNS, AND SHALL MEET THE APPROVAL OF THE ENGINEER. FLUORESCENT PAINT OR OTHER SPECIAL RETROREFLECTIVE COATINGS WILL NOT BE REQUIRED.

FOR ONE-WAY ROADWAYS THE APPLICATION SHALL BE SIMILAR WITH DELINEATORS PLACED ON THE TRAFFIC APPROACH SIDE OF HAZARDS AND OBJECTS. ONLY SINGLE FACE DELINEATORS WILL BE REQUIRED ON ONE-WAY ROADWAYS.

FOR OTHER DELINEATOR APPLICATIONS, REFER TO HIGHWAY STANDARD 635001.

MEDIAN DELINEATORS AT CROSSOVER
(FOR INTERSTATES, EXPRESSWAYS, DUAL HIGHWAYS)



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = Matt Overbey	DESIGNED -	REVISED - 12/06
... \0570899-sht-D5-District Standards.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
Section 600	PLOT DATE = 3/18/2021 - 12:47:50 PM	DATE - MARCH 2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

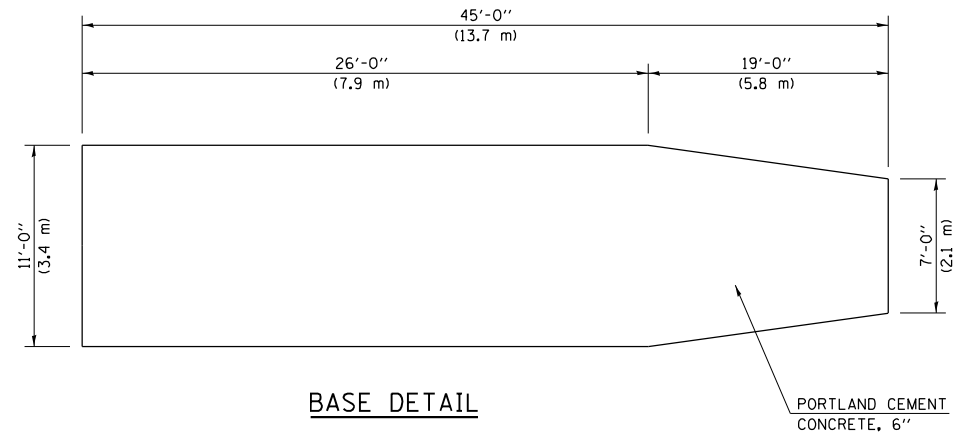
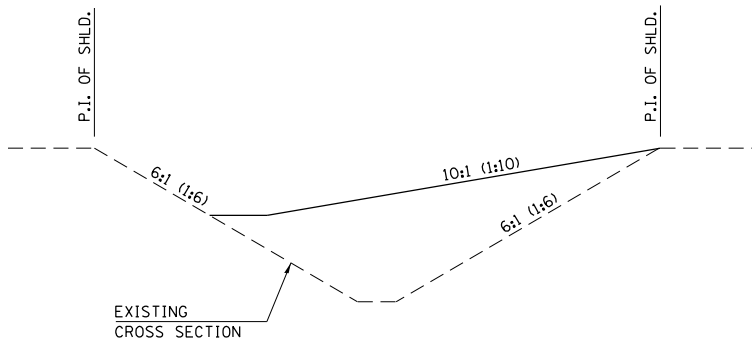
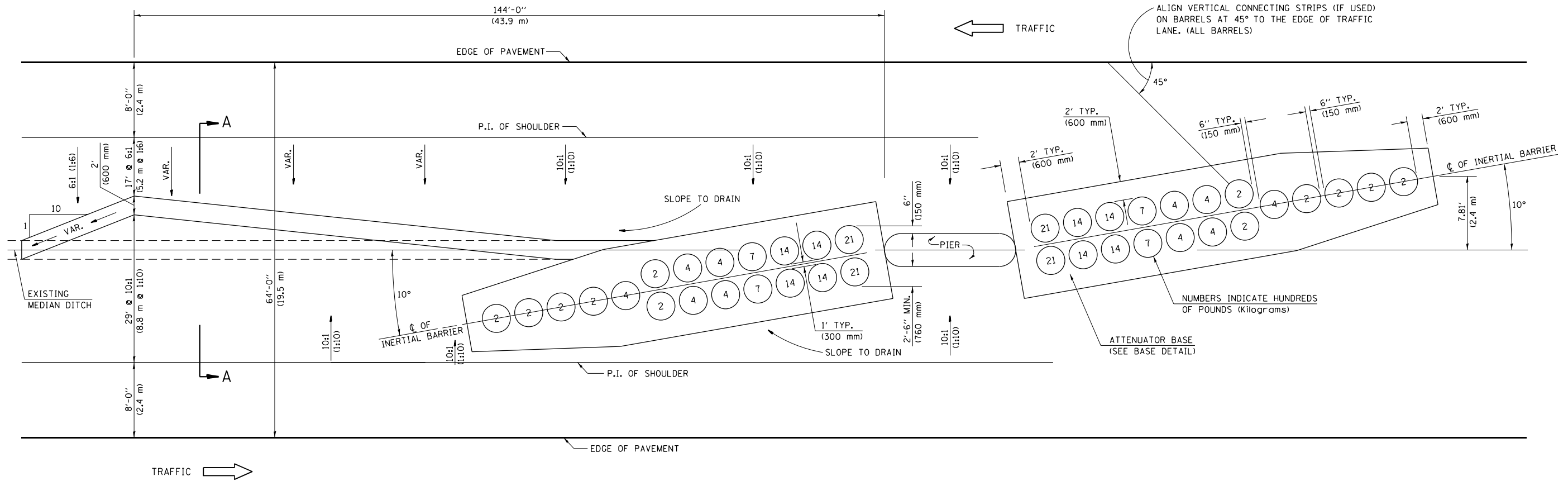
DELINEATORS
DISTRICT 5 DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 63500105

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1)HBK	CHAMPAIGN	1187	1040
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

70 MPH (110 km/h) DESIGN - 64' (19.5 m) MEDIAN



SECTION A-A
GRADING AND SHAPING DETAIL

GENERAL NOTES

1. ALL 10:1 (1:10) SLOPES SHOWN ON THIS DETAIL SHALL BE CONSTRUCTED 10:1 (1:10) OR FLATTER.
2. THE SLOPES AS SHOWN ON THIS DETAIL SHALL APPLY TO BOTH ENDS OF THE BRIDGE PIERS.
3. THE LENGTH X WIDTH OF MODULE LAYOUT IS 41.0' x 7.0' : 19 MODULES - 14,400 LBS.
(12.5 m x 2.1 m : 19 MODULES - 6532 kg).
4. IN AREAS OF 10:1 (1:10) SLOPES PRECEDING THE ATTENUATOR IN THE MEDIAN INSTALLATION, FOUR OR MORE WOOD POSTS SHALL BE PLACED AT 5' (1.5 m) INTERVALS IN THE MEDIAN \bar{C} . SEE SPECIAL PROVISIONS AND SCHEDULES.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = Matt Overbey	DESIGNED -	REVISED - 11/06
... \05708899-sht-D5-District Standards.dgn		DRAWN -	REVISED - 12/08
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED - 05/11
Section 600	PLOT DATE = 3/18/2021 - 12:47:50 PM	DATE - MARCH 2021	REVISED -

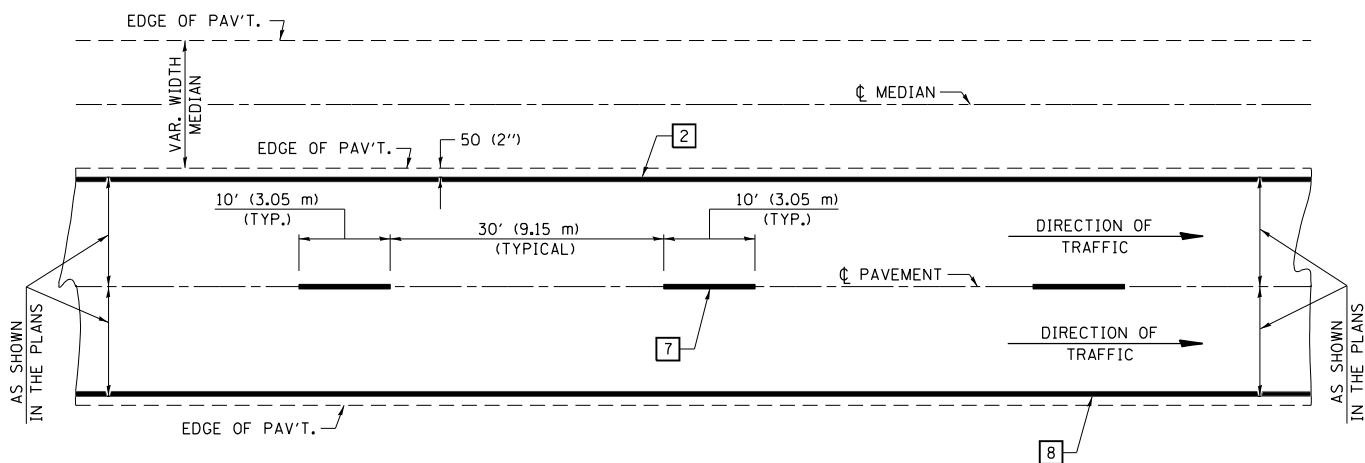
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IMPACT ATTENUATORS (NON-REDIRECTIVE) TEST LEVEL 3
DISTRICT 5 DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. Z0030150D				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1)HKB	CHAMPAIGN	1187	1041
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				

CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY

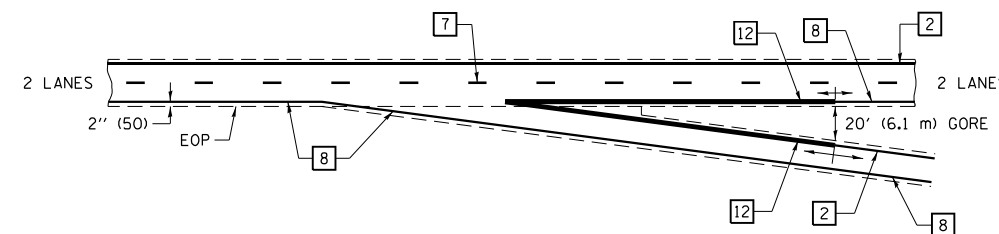


NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

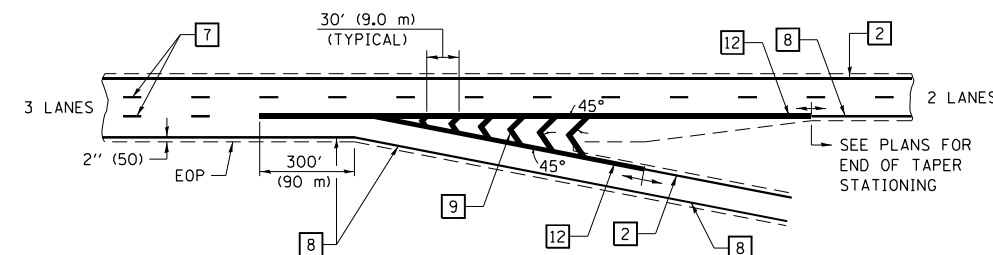
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

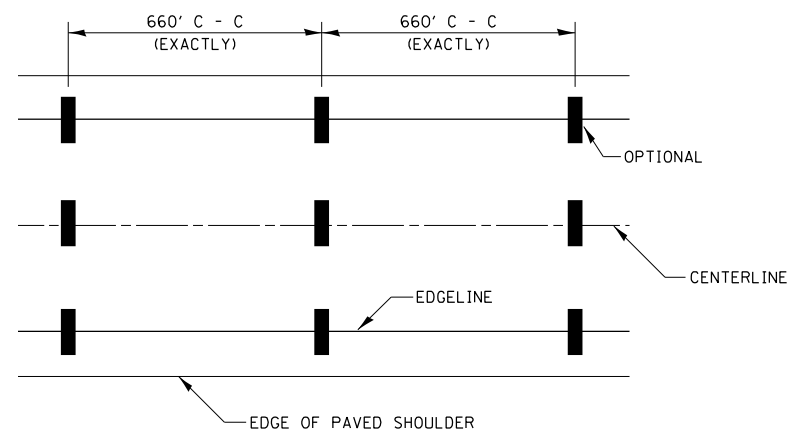
TYPICAL EXIT RAMP TERMINAL



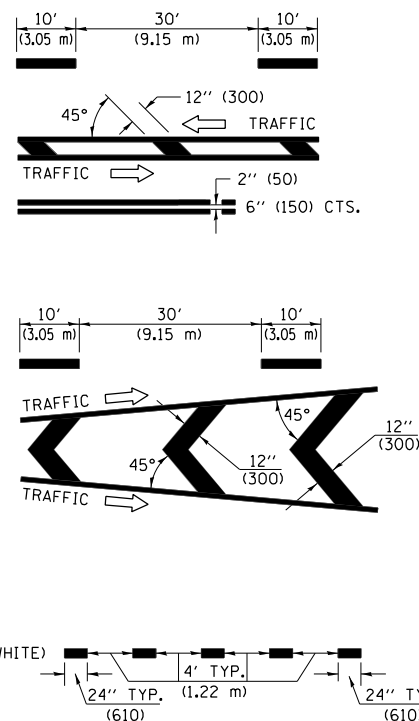
EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



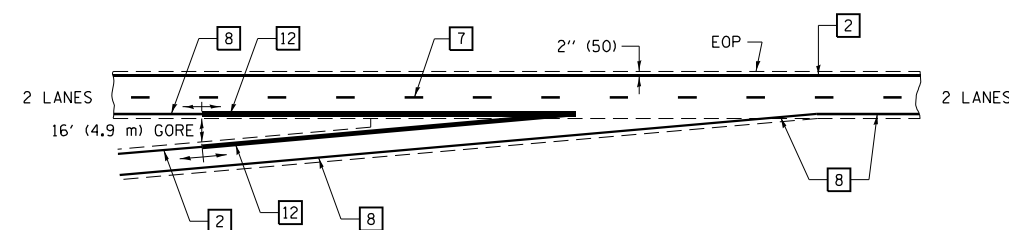
TYPICAL PAVEMENT MARKING LEGEND



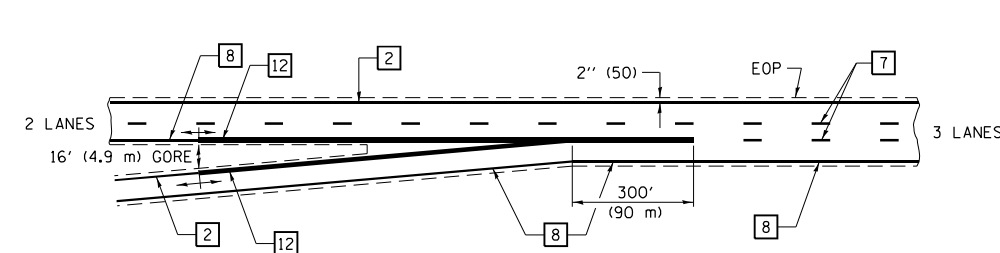
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)



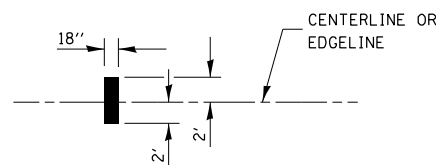
TYPICAL ENTRANCE RAMP TERMINAL



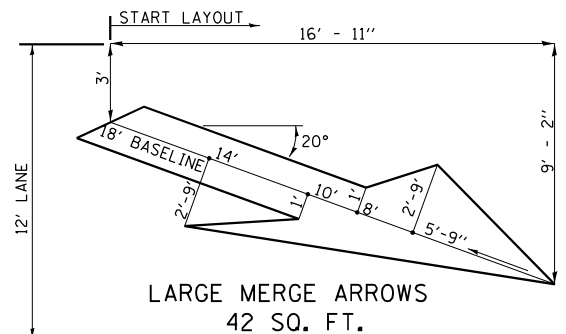
ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF MEASUREMENT CAN BE ATTESTED TO IN COURT.



AERIAL SPEED CHECK ZONES



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME = ...D5708B99-sht-D5-District Standards.dgn	USER NAME = Matt Overbey	DESIGNED -	REVISED - 11/06
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
Section 700	PLOT DATE = 3/18/2021 - 12:47:52 PM	DATE - MARCH 2021	REVISED -

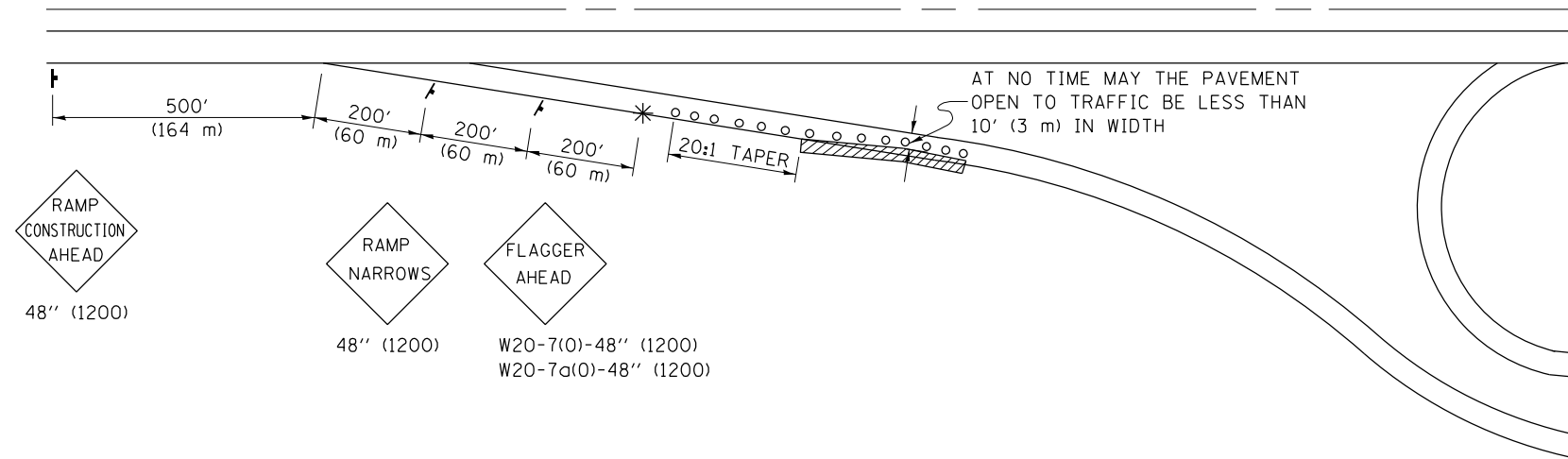
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING (INTERSTATE MULTI-LANE APPLICATIONS)
DISTRICT 5 DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800BBBB				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1)HKB	CHAMPAIGN	1187	1042
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				

**APPLICATION NO. 1
DAY OPERATION ONLY
PARTIAL RAMP CLOSURE**



SYMBOLS

- (APPLICATION NO. 1) TYPE I OR II BARRICADES OR DRUMS @ 50' (15 m) CTS.
- ⦿ (APPLICATION NO. 2) TYPE I OR II BARRICADES OR DRUMS @ 25' (7.5 m) CTS. W/STEADY BURNING LIGHTS
- * (APPLICATION NO. 1) FLAGGER PLACED AS DIRECTED BY THE ENGINEER
- † SIGN ON PORTABLE OR PERMANENT SUPPORT
- ▨ WORK AREA

TYPICAL APPLICATIONS

- PAVEMENT PATCHING
- PIPE UNDERDRAINS
- HMA RESURFACING

GENERAL NOTES

CONSTRUCTION OPERATIONS SHALL BE CONFINED TO AN AREA NARROW ENOUGH THAT A MINIMUM OF 10' (3 m) OF PAVEMENT SHALL BE OPEN TO TRAFFIC AT ALL TIMES.

FULL WIDTH PAVEMENT ON THE RAMPS SHALL BE OPEN TO TRAFFIC AT NIGHT.

WHEN NO WORK IS BEING PERFORMED, THE FLAGGER WILL NOT BE REQUIRED. IF THE FLAGGER IS NOT PRESENT, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED.

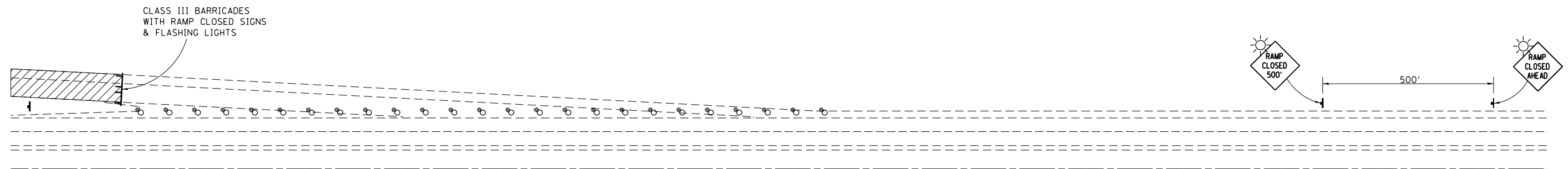
ALL SIGNS SHALL BE POST MOUNTED IF WORK IN THE AREA EXCEEDS FOUR DAYS OF DAYTIME OPERATIONS.

LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.

ALL VEHICLES, EQUIPMENT, WORKERS (EXCEPT FLAGGER) AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE DISTRICT ENGINEER.

Traffic Control for all ramps shall be in accordance with the appropriate application of plan detail **TRAFFIC CONTROL FOR RAMPS** and will not be paid for separately, but shall be included in the contract lump sum prices for Traffic Control and Protection, Standard 701401 and Traffic Control and Protection, Standard 701406.

**APPLICATION NO. 2
RAMP CLOSURE**



GENERAL NOTES

STEADY BURN LIGHTS ARE NOT REQUIRED FOR DAYTIME OPERATIONS.

CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER AT 217-465-4181, ONE WEEK PRIOR TO CLOSING THE RAMP.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = Matt Overbey	DESIGNED -	REVISED - 11/09
...\\0570899-sht-D5-District Standards.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
Section 700	PLOT DATE = 3/18/2021 - 12:47:52 PM	DATE - MARCH 2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL FOR RAMPS
DISTRICT 5 DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 70103710				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1)HBK	CHAMPAIGN	1187	1043
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				

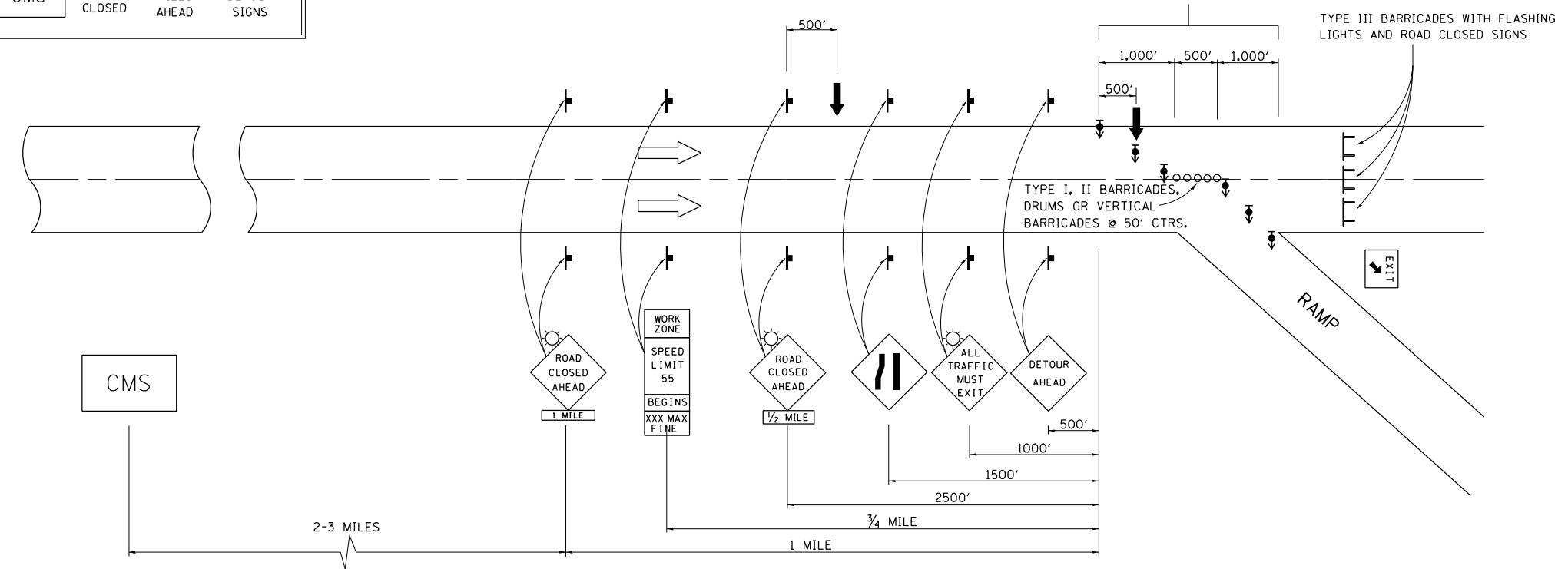
INTERSTATE DETOUR USING ENTRANCE AND EXIT RAMP

A CHANGEABLE MESSAGE SIGN SHALL BE USED IN ADVANCE OF SIGNING TO WARN OF CLOSURE

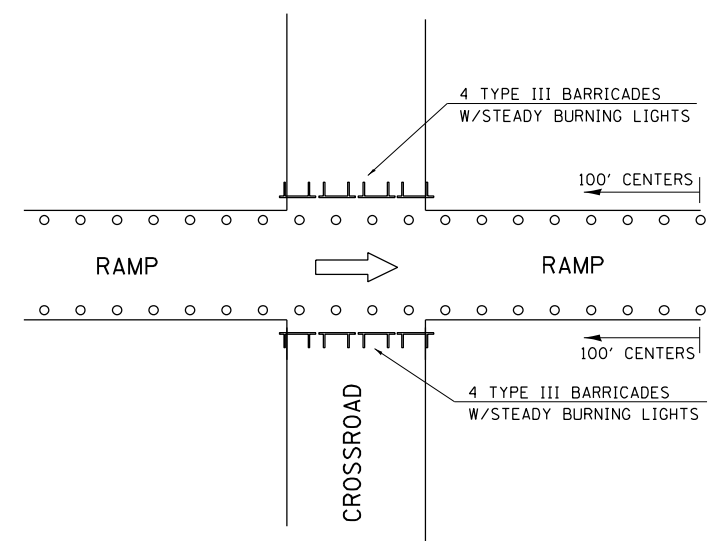
CMS	ROAD CLOSED	2-3 MILES AHEAD	FOLLOW DETOUR SIGNS
-----	-------------	-----------------	---------------------

DIRECTIONAL BARRICADES WITH STEADY BURNING LIGHTS AT 50' (15 m) CTS. IN TAPER. DRUMS WITH STEADY BURNING LIGHTS IN TANGENT (BETWEEN TAPERS) AT 100' (30 m) CTS.

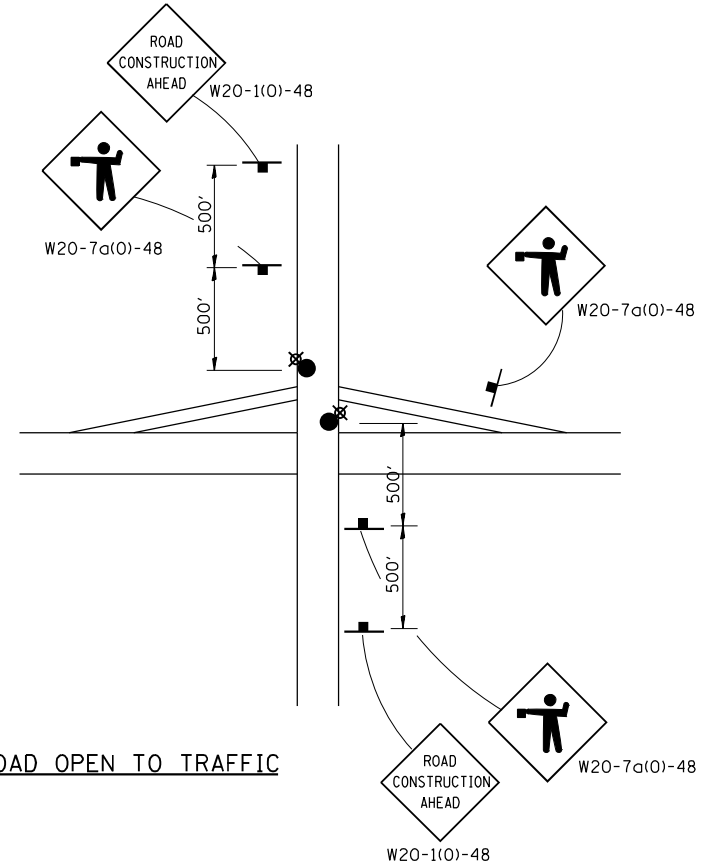
FOR OFF PEAK CLOSURES LESS THAN 24 HOURS, THE TANGENT SECTION MAY BE OMITTED BY APPROVAL OF THE ENGINEER.



SYMBOLS	
	ARROW BOARD
	SIGN
	DRUM W/STEADY BURNING LIGHT
	TYPE III BARRICADE
	DIRECTIONAL BARRICADE W/STEADY BURNING LIGHT
	LIGHTED FLAGGER STATIONS



CROSSROAD CLOSED TO TRAFFIC



CROSSROAD OPEN TO TRAFFIC

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

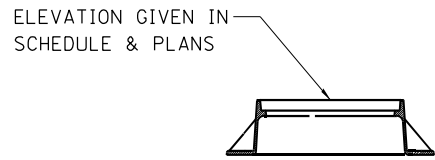
FILE NAME =	USER NAME = Matt Overbey	DESIGNED -	REVISED - 12/06
...\\0570899-sht-D5-District Standards.dgn		DRAWN -	REVISED - 1/10
Section 700	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2021 - 12:47:52 PM	DATE - MARCH 2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

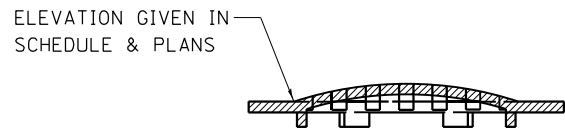
TRAFFIC CONTROL & PROTECTION FOR TEMPORARY DETOUR
DISTRICT 5 DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

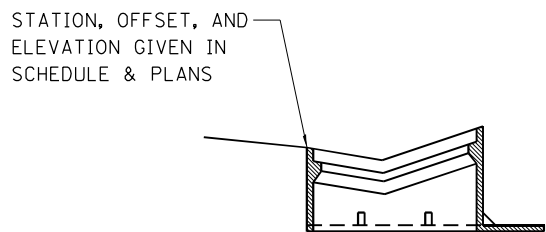
DISTRICT 5 DETAIL NO. X7011005				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1)HKB	CHAMPAIGN	1187	1044
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				



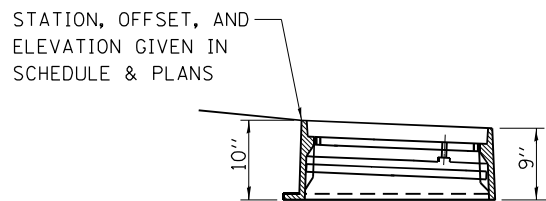
TYPE 1 FRAME AND LID



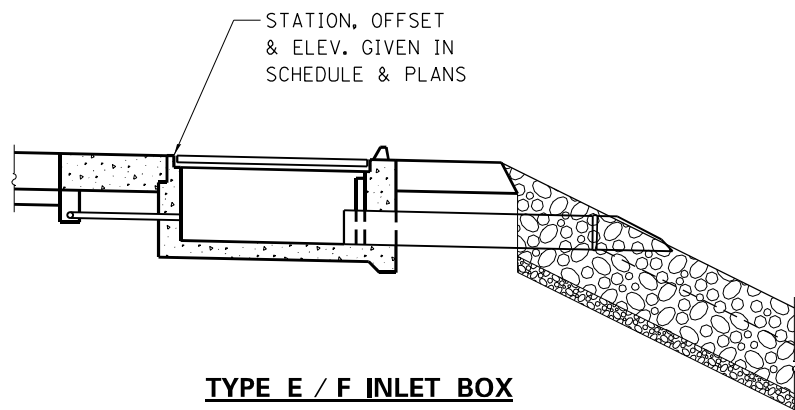
TYPE 8 GRATE



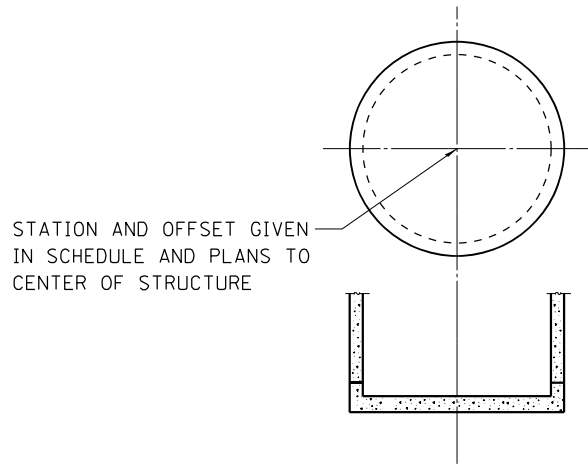
TYPE 10 FRAME AND GRATE



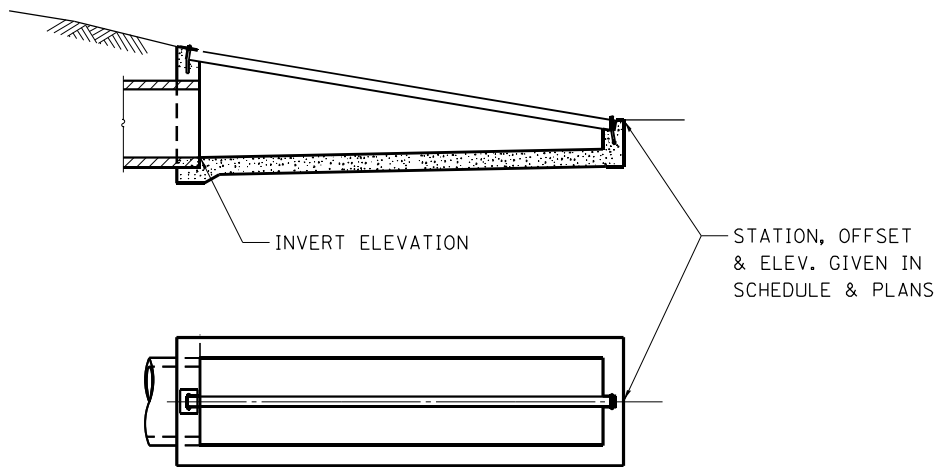
TYPE 20 FRAME AND GRATE



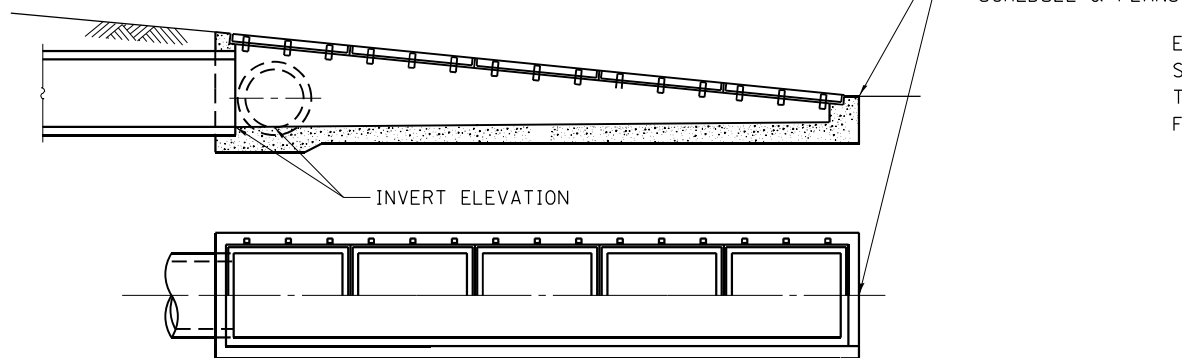
TYPE E / F INLET BOX



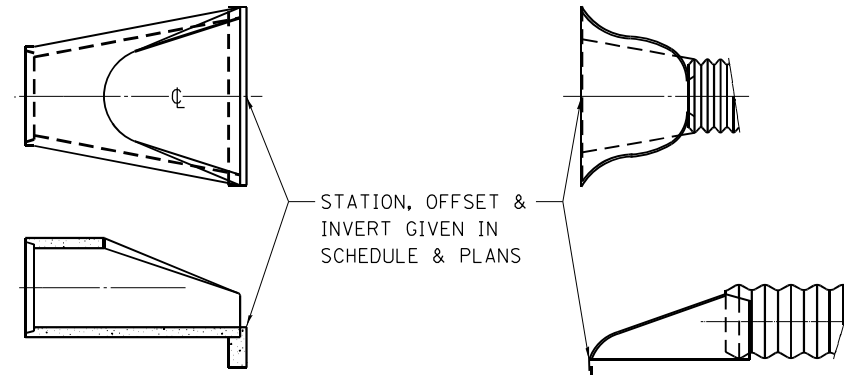
MANHOLES AND INLETS, TYPE A AND TYPE B



INLET BOX STANDARD 542511 (TYPE 24 C)

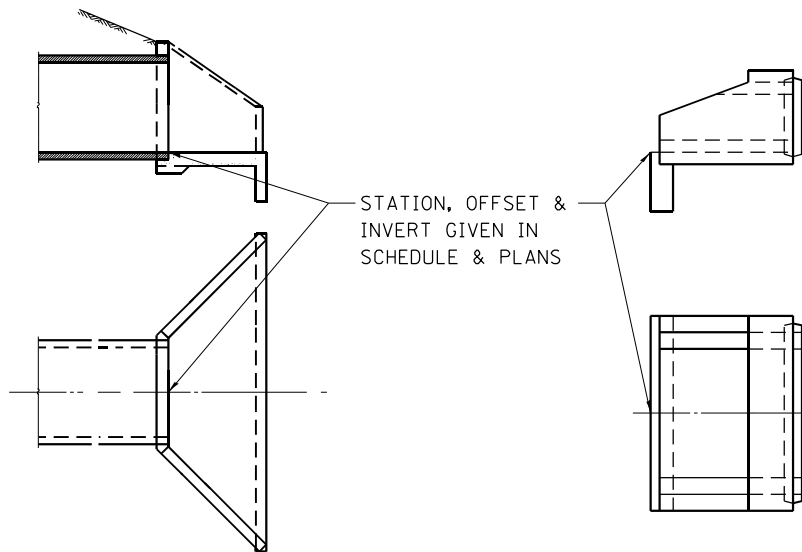


INLET BOX STANDARD 542531 (TYPE 24 G)

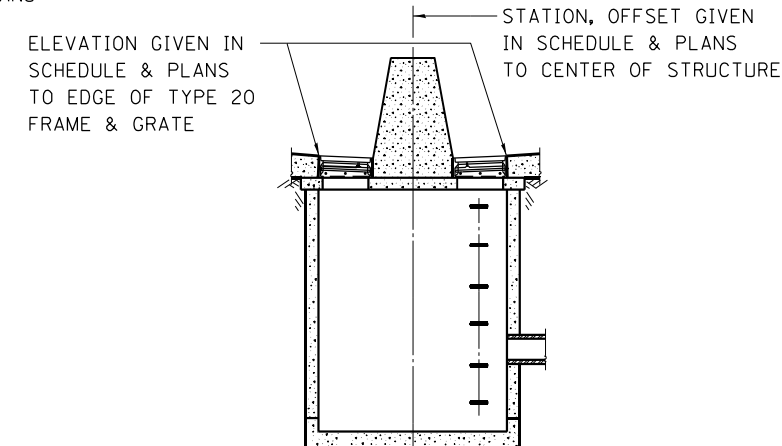


CONC. END SECTIONS

METAL END SECTIONS



BOX CULVERT END SECTIONS



DRAINAGE STRUCTURE TYPE 4 WITH TWO TYPE 20 FRAME AND GRATES

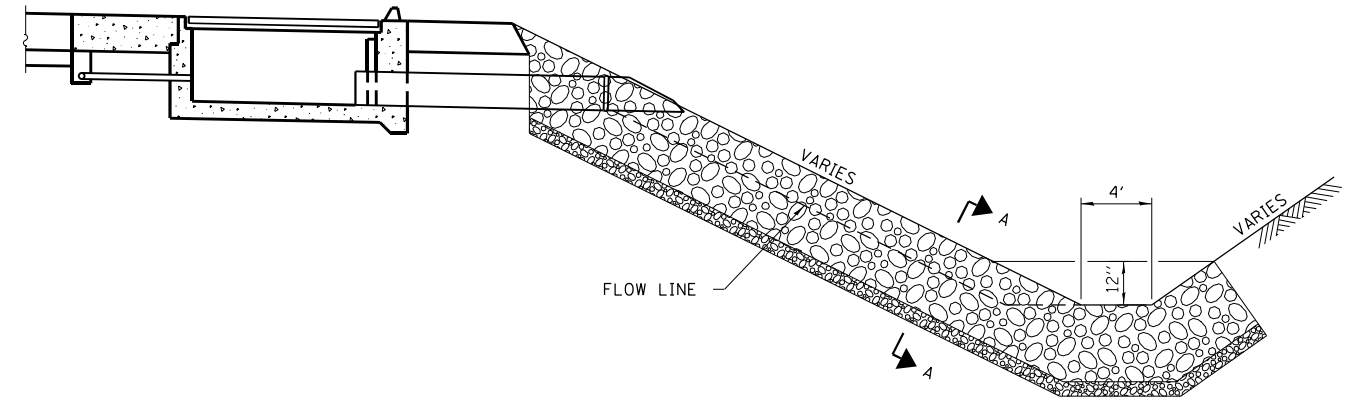
FILE NAME = ...NC-3\0570B99-sht-Det-DrainRef	USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
Default	PLOT SCALE = 2.0000' / in.	DRAWN - SCD	REVISED -
	PLOT DATE = 3/18/2021 - 12:48:48 PM	CHECKED -	REVISED -
		DATE - MARCH 2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

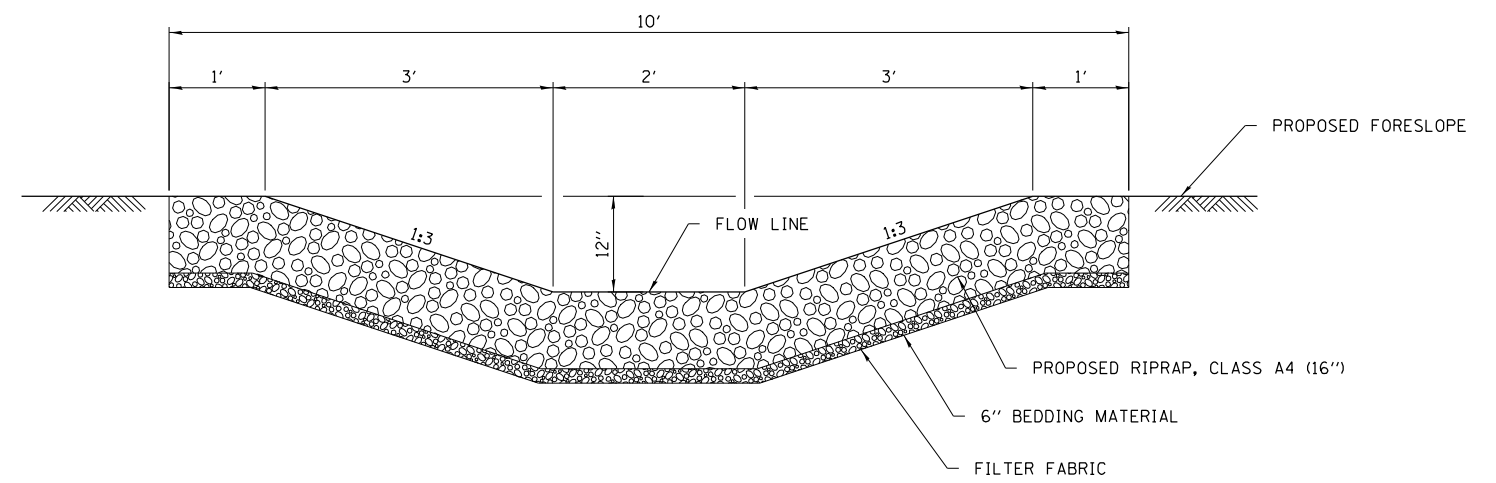
**MISCELLANEOUS DETAILS
DRAINAGE STRUCTURE REFERENCE POINTS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1)HKB	CHAMPAIGN	1187	1045
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	



RIPRAP DETAIL AT DRAINAGE OUTLET



SECTION A-A

FILE NAME = ... \0570899-sht-Det-DrainDetail	USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 3/18/2021 - 12:48:50 PM	DATE - MARCH 2021	REVISED -

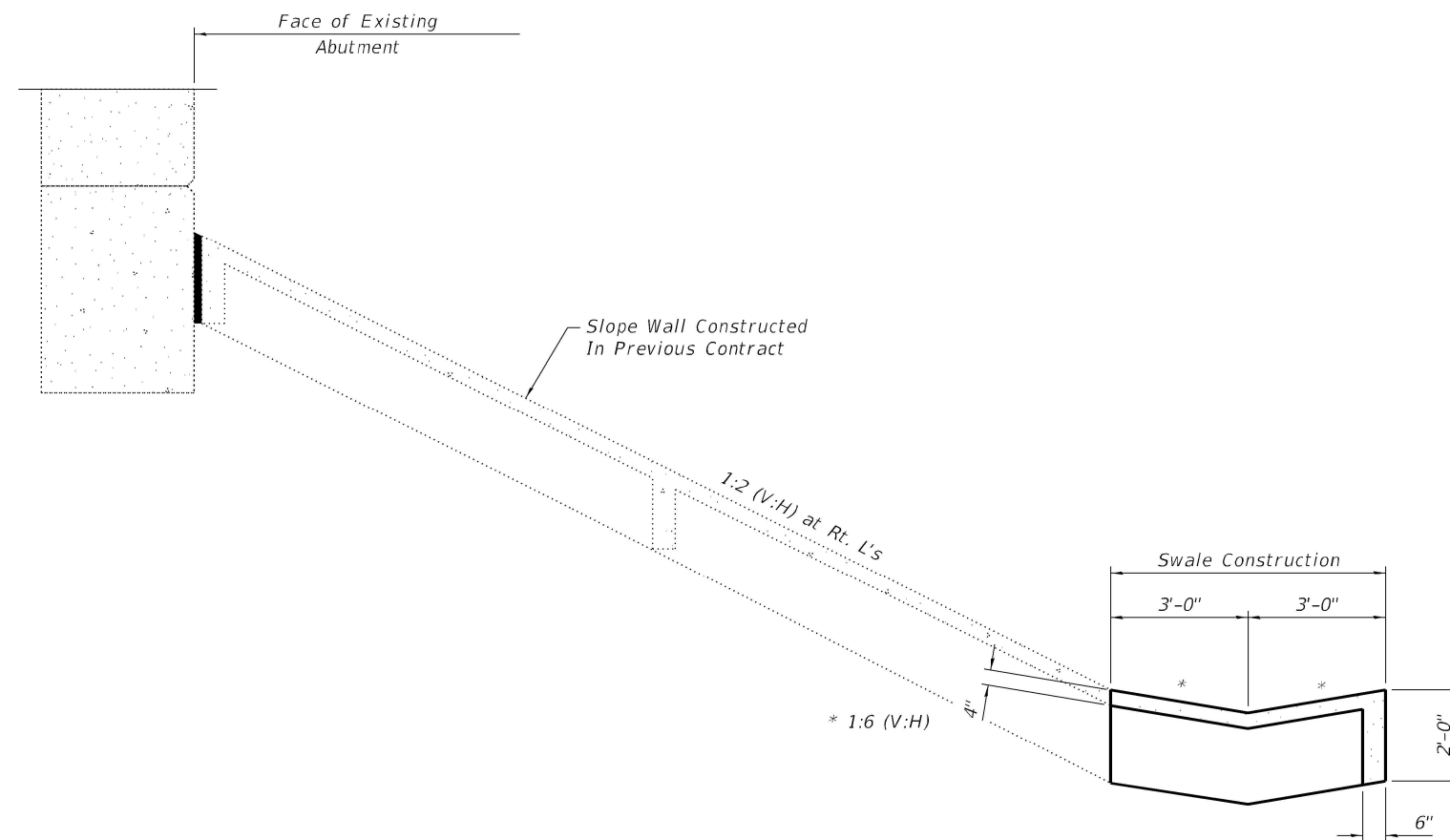
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISCELLANEOUS DETAILS				
RIPRAP				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1)HBK	CHAMPAIGN	1187	1046
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				

BILL OF MATERIAL

<i>S.N. 010-1050 (U.S. 150 OVER I-57)</i>		
Slope Wall, 4 inch	Sq. Yd.	30.6
<i>S.N. 010-1100 (MATTIS OVER I-57)</i>		
Slope Wall, 4 inch	Sq. Yd.	59.7
<i>Total</i>		
Slope Wall, 4 inch	Sq. Yd.	90.3



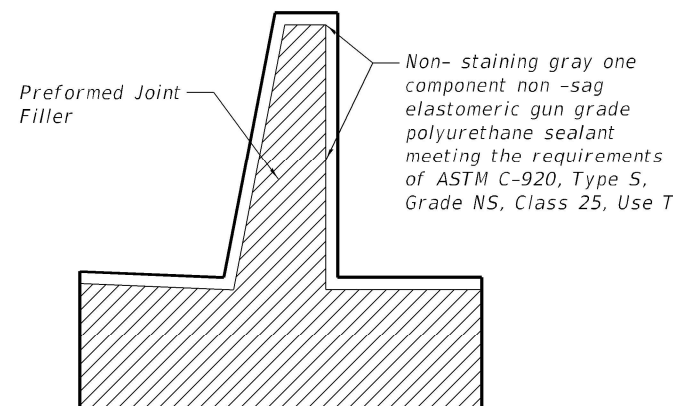
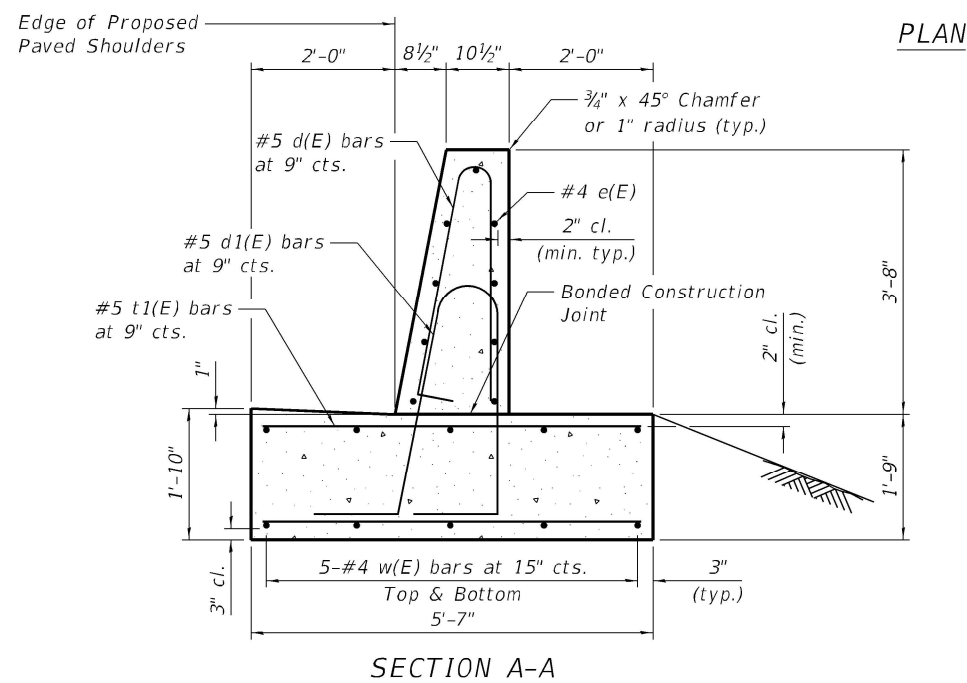
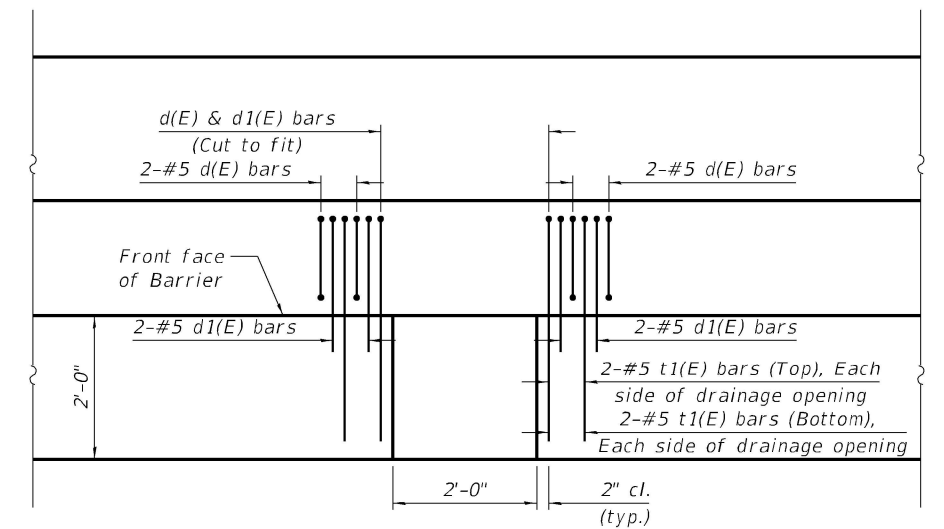
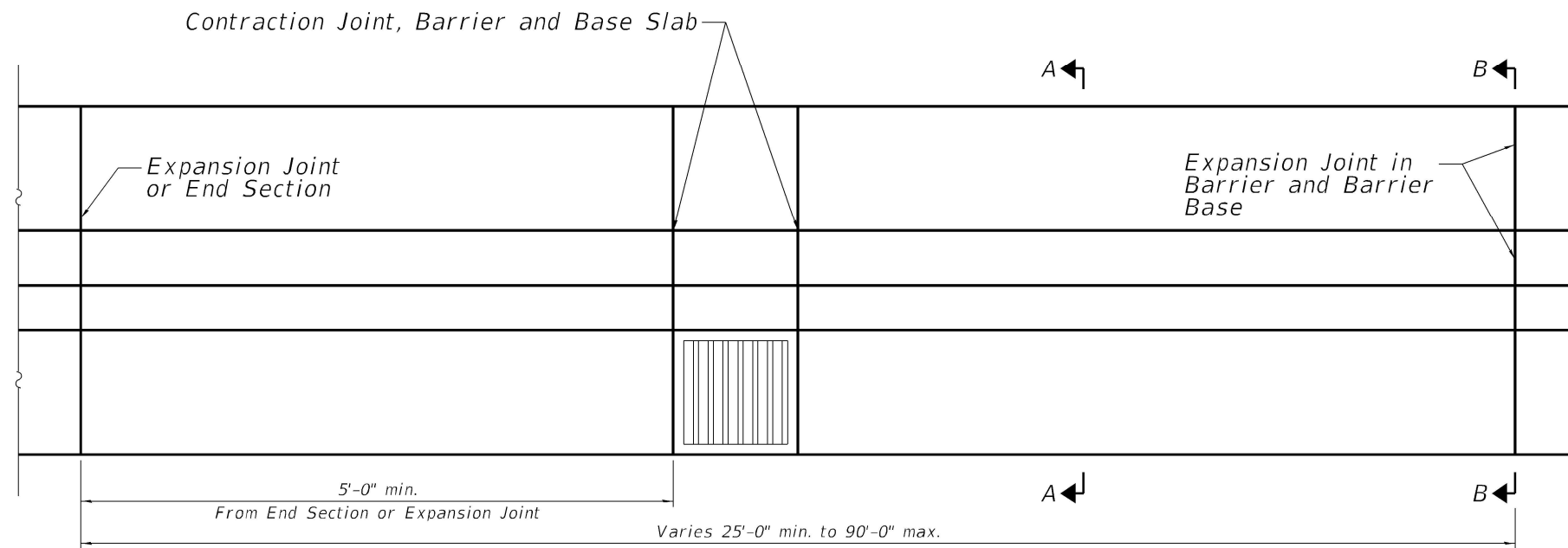
SECTION THRU CONCRETE SWALE AT EXISTING SLOPEWALL

Slopedwall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft. Cost included in Slope Wall, 4 inch.

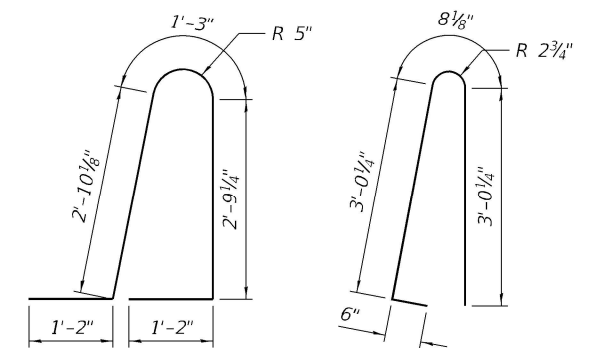
*S.N. 010-1050 (U.S. 150 OVER I-57) - WEST SLOPE WALL
S.N. 010-1100 (MATTIS OVER I-57) - SOUTH SLOPE WALL*

FILE NAME = ...\\C-3\0570B99-sht-Det-Slopedwall	USER NAME = Matt Overbey	DESIGNED - KEG	REVISED -
Default	PLOT SCALE = 0.1667' / 1" =	DRAWN - KEG	REVISED -
	PLOT DATE = 3/18/2021 - 12:48:52 PM	CHECKED - KEG	REVISED -
		DATE - MARCH 2021	REVISED -

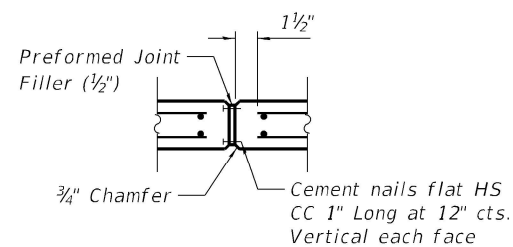
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(10-34-1) HBK	CHAMPAIGN	1187	1047
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				



PLAN
(Reinforcement shown around Drainage Structure)



NOTES:
 This is a reinforced concrete TL-4 roadside barrier. The minimum length of installation shall be 25'-0".
 Top of shoulder edge of barrier base gutter shall match the top of shoulder elevation.
 1" deep contraction joints shall be constructed in both the reinforced concrete barrier wall and base. Contraction joints shall also be constructed at both sides of all drainage structures. Maximum contraction joint spacing shall be 30'-0".
 The forming of contraction joints shall be done with an approved finishing tool or by sawing subject to the satisfactory control of cracking.
 Reinforcement bars designated (E) shall be epoxy coated.
 Reinforcement bars bending details shall be in accordance with the "Manual of Standard Practice for Detailing Reinforced Concrete Structures", ACI 315, Latest Edition. Reinforcement bar bending dimensions are out to out.
 At drainage structures, cut footing bars to fit. Add an additional pair of d(E), d1(E), t(E) and t1(E) bars on each side of the drainage structure.
 Expansion joints shall be constructed in barrier wall at a maximum joint spacing of 90'-0" and a minimum joint spacing of 25'-0". See section B-B for details.



EXPANSION JOINT

Kaskaskia
 Engineering Group, LLC
 202 S. Main St., Suite 200
 Moline, Illinois 61708
 309.243.8877 phone
 309.243.9111 fax
 www.kaskaskiaeng.com
 Illinois Professional Design Firm
 03/18/2021
 03/18/2021

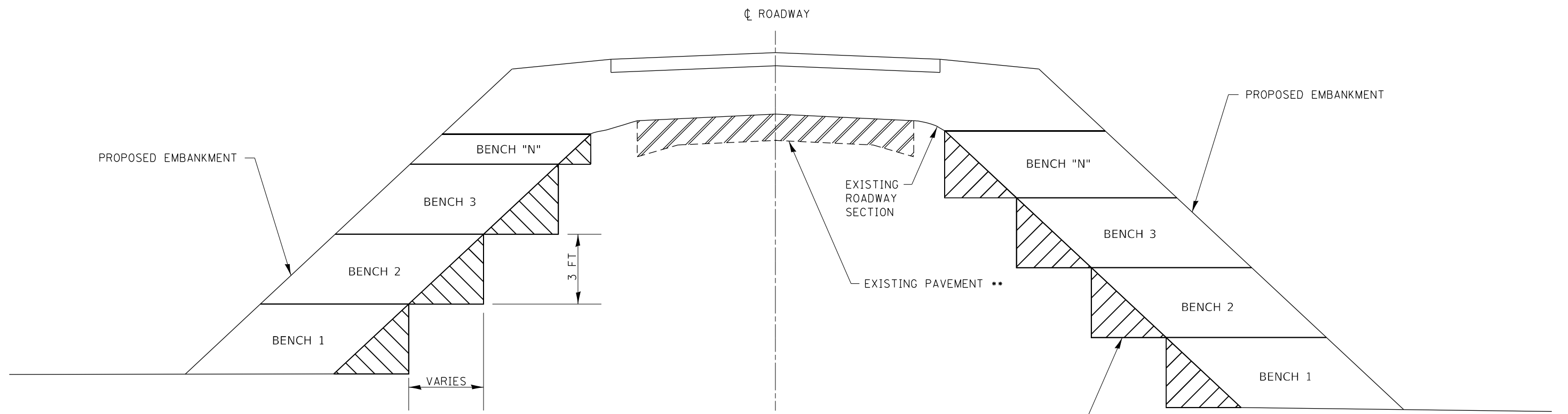
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Default	PLOT SCALE = 0.1667' / in.	DRAWN - KEG	REVISED -
	PLOT DATE = 3/18/2021 - 12:48:55 PM	CHECKED - KEG	REVISED -
		DATE - MARCH 2021	REVISED -


STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS
 CONCRETE BARRIER, SINGLE FACE, 44 INCH (TL-4)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(10-34-1) HBK	CHAMPAIGN	1187	1048
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	



 PAVEMENT REMOVAL
 SEE REMOVAL PLANS FOR PAVEMENT REMOVAL LIMITS.

*BENCHES TO BE CUT PRIOR TO PLACEMENT OF EMBANKMENT LIFTS ON EACH BENCH.

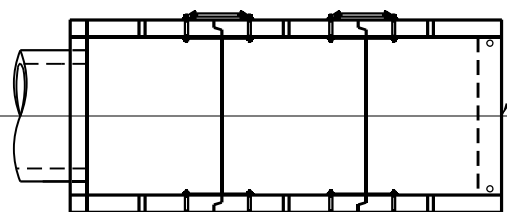
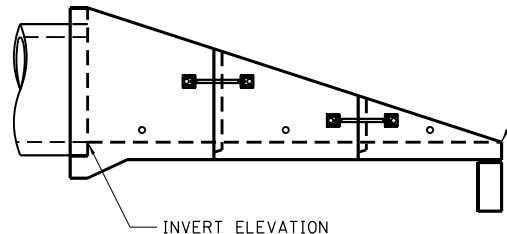
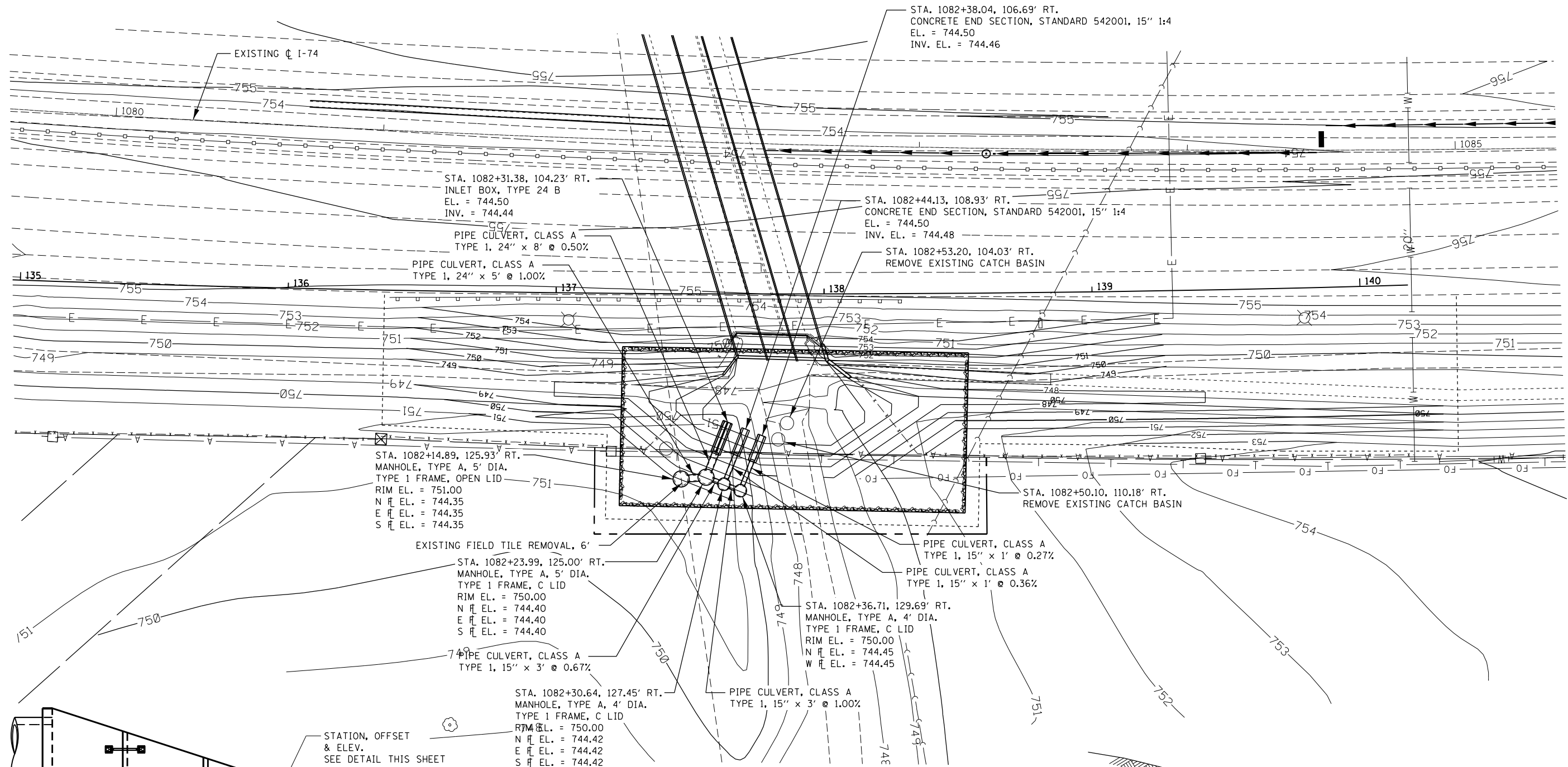
NOTES:
 * COST INCIDENTAL TO CONTRACT
 ** SEE REMOVAL PLANS FOR PAVEMENT REMOVAL LIMITS.

FILE NAME = ... \0570899-sht-Det-Slope Benching	USER NAME = Matt Overbey	DESIGNED -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
	PLOT DATE = 3/18/2021 - 12:48:59 PM	CHECKED -	REVISED -
		DATE - MARCH 2021	REVISED -

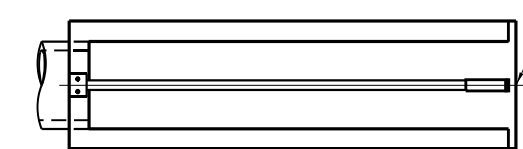
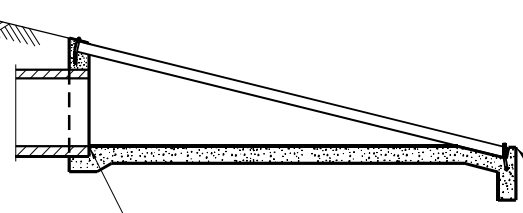
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS SLOPE BENCHING			
ALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-34-1)HBK	CHAMPAIGN	1187	1049
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				



**CONCRETE END SECTIONS FOR PIPE CULVERTS
15" THRU 84" DIA. STANDARD 542001**



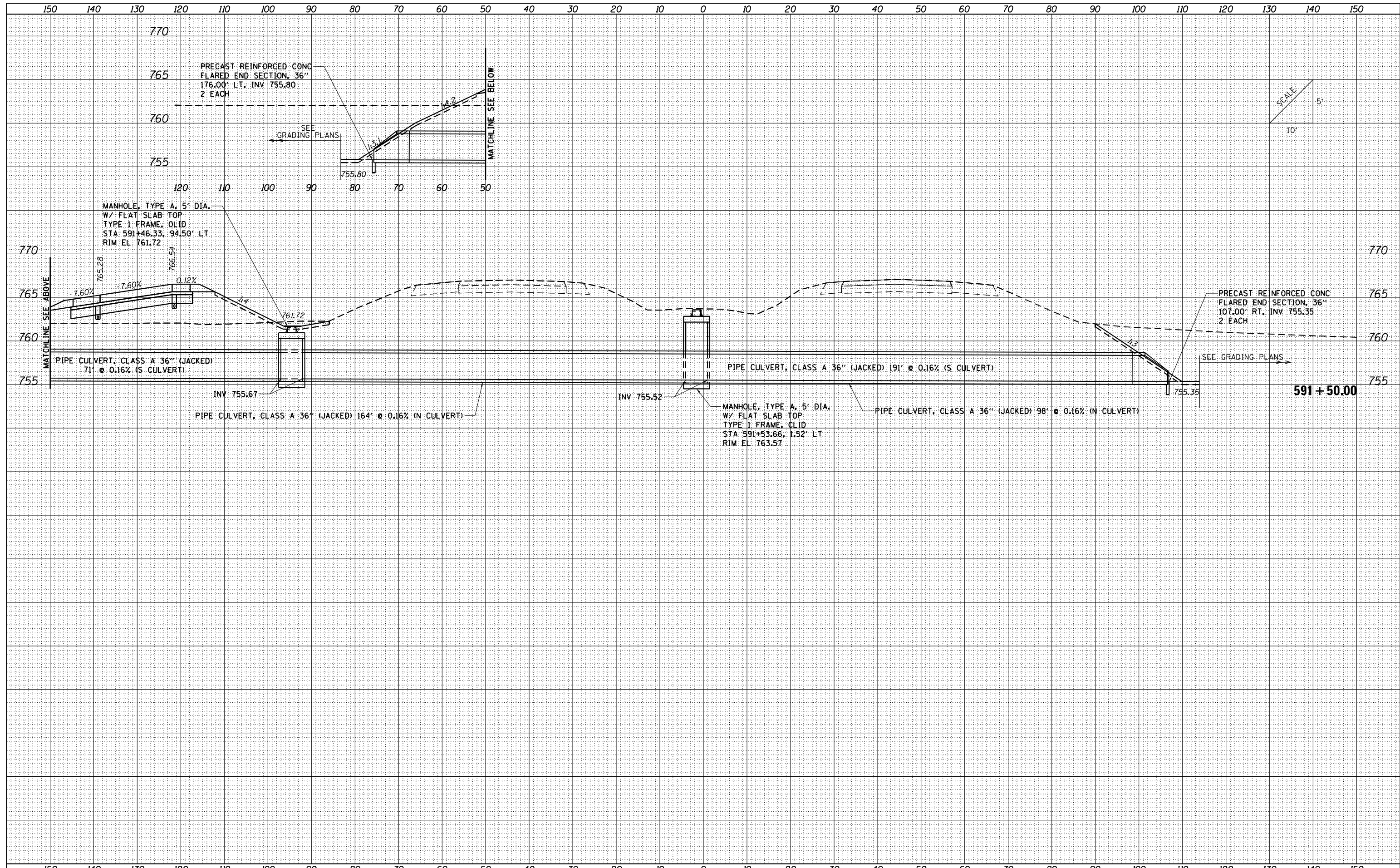
INLET BOX STANDARD 542506 (TYPE 24 B)

NOTE:
CONTRACTOR TO VERIFY FIELD TILE INVERTS PRIOR TO CONSTRUCTING OUTLET STRUCTURES.

FILE NAME =	USER NAME = Matt Overbey	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS COPPER SLOUGH OUTLET STRUCTURE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
...\\0570899-sht-Det-CopperSloughOutlet.dgn	PLOT SCALE = 40.0000' / in.	DRAWN - RAH	REVISED -			57	(10-34-1)HBK	CHAMPAIGN	1187	1050	
Default	PLOT DATE = 3/18/2021 - 12:49:03 PM	CHECKED - SPH	REVISED -			CONTRACT NO. 70B99					
		DATE - MARCH 2021	REVISED -			ILLINOIS FED. AID PROJECT					

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert
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USER NAME = Matt Overbey	DESIGNED - SCD	REVISIED -
	DRAWN - SCD	REVISIED -
PLOT SCALE = 20.0036' / in.	CHECKED - OEI	REVISIED -
PLOT DATE = 3/18/2021 - 2:19:04 PM	DATE - MARCH 2021	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

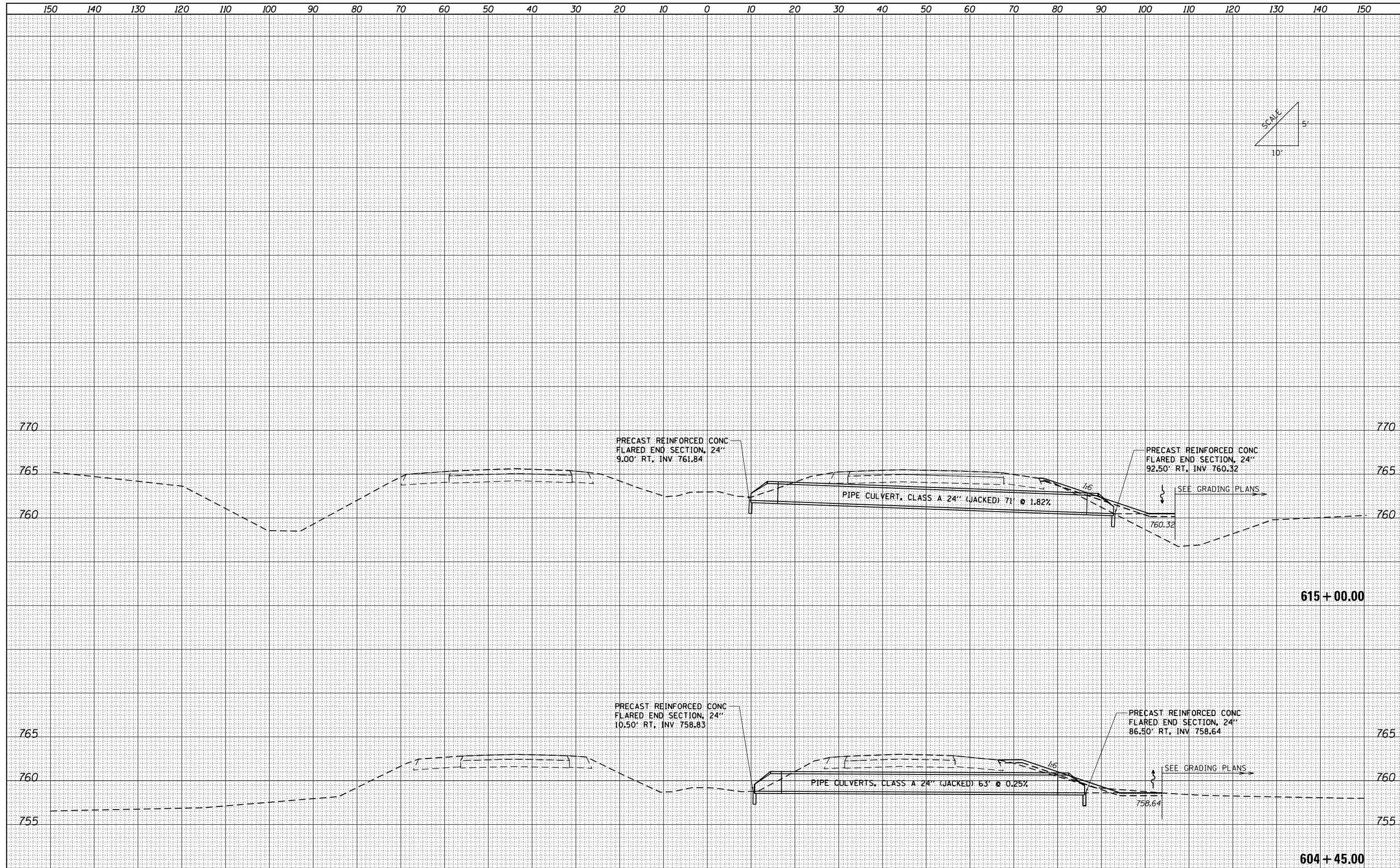
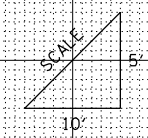
CULVERT CROSS SECTIONS
I-57

SCALE: SHEET OF SHEETS STA. 578+25.00 TO STA. 591+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1051
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

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

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



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert
 Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
	DRAWN - SCD	REVISED -
PLOT SCALE = 20.0036' / in.	CHECKED - OEI	REVISED -
PLOT DATE = 3/18/2021 - 2:19:04 PM	DATE - MARCH 2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

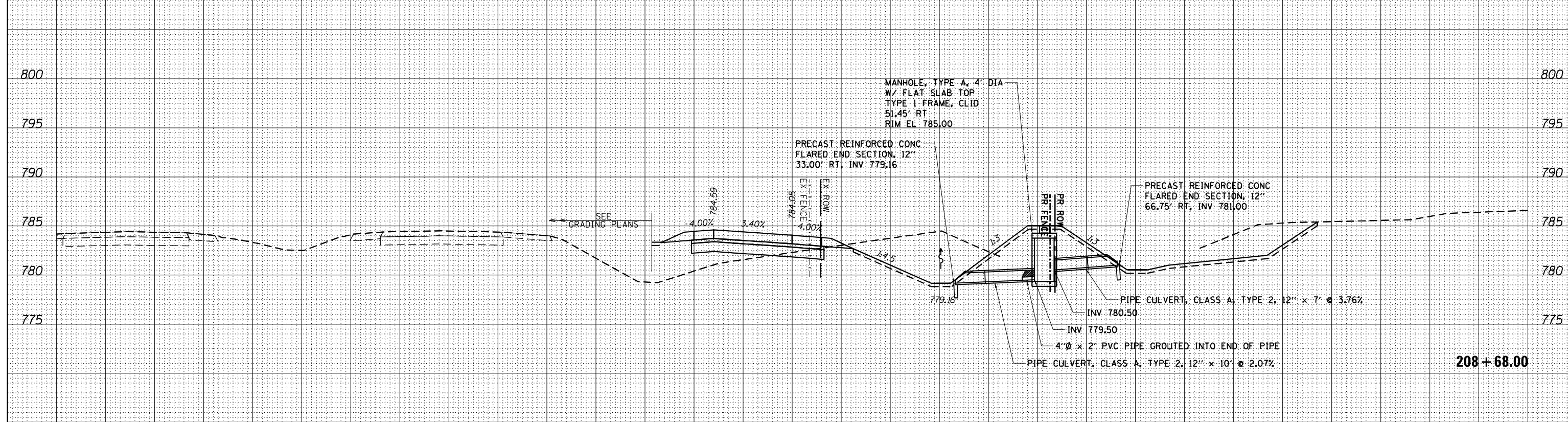
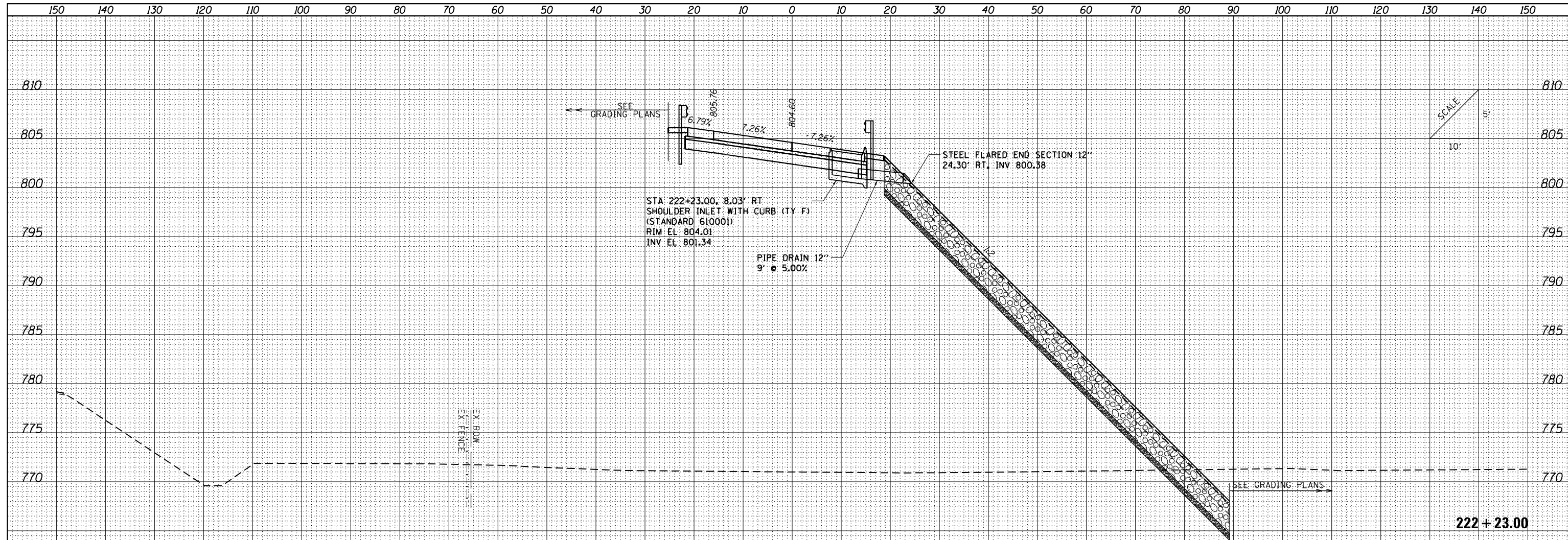
**CULVERT CROSS SECTIONS
 I-57**

SCALE: SHEET OF SHEETS STA. 615+00.00 TO STA. 630+75.00

F.A.I. RTE. 57&74	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1052
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert
 Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISD -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISD -
PLOT DATE = 3/18/2021 - 2:19:04 PM	CHECKED - OEI	REVISD -
	DATE - MARCH 2021	REVISD -

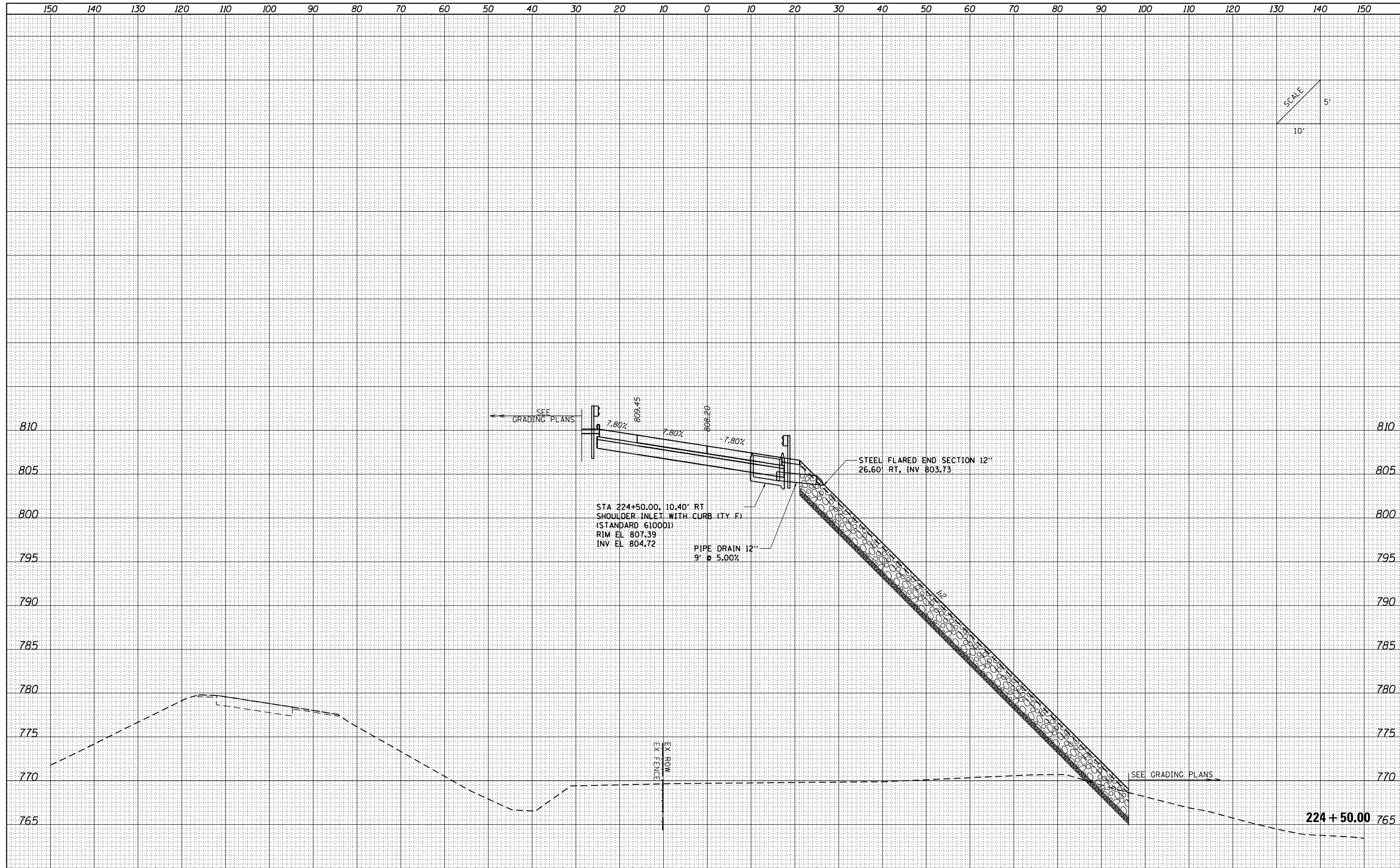
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CULVERT CROSS SECTIONS RAMP B			
SCALE:	SHEET	OF	SHEETS
			STA. 208+68.00 TO STA. 222+23.00

F.A.I. RTE. 57&74	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1053
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
AREAS CHECKED	



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert
 Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISD -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISD -
PLOT DATE = 3/18/2021 - 2:19:05 PM	CHECKED - OEI	REVISD -
	DATE - MARCH 2021	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

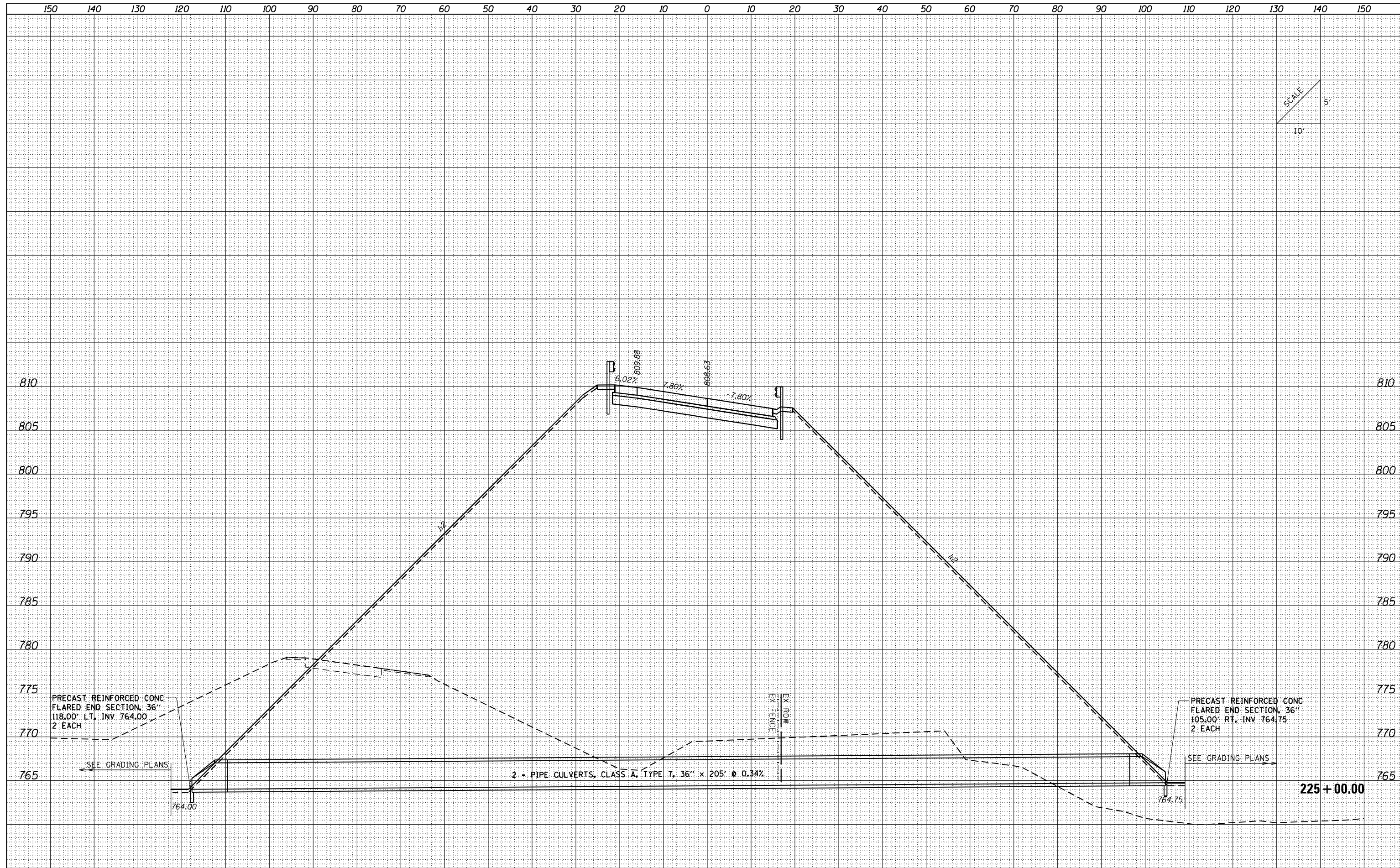
**CULVERT CROSS SECTIONS
 RAMP B**

SCALE: SHEET OF SHEETS STA. 224+50.00 TO STA. 224+50.00

F.A.I. RTE. 57&74	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1054
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
AREAS CHECKED SURVEY	

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
AREAS CHECKED SURVEY	



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert

USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISED -
PLOT DATE = 3/18/2021 - 2:19:05 PM	CHECKED - OEI	REVISED -
	DATE - MARCH 2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

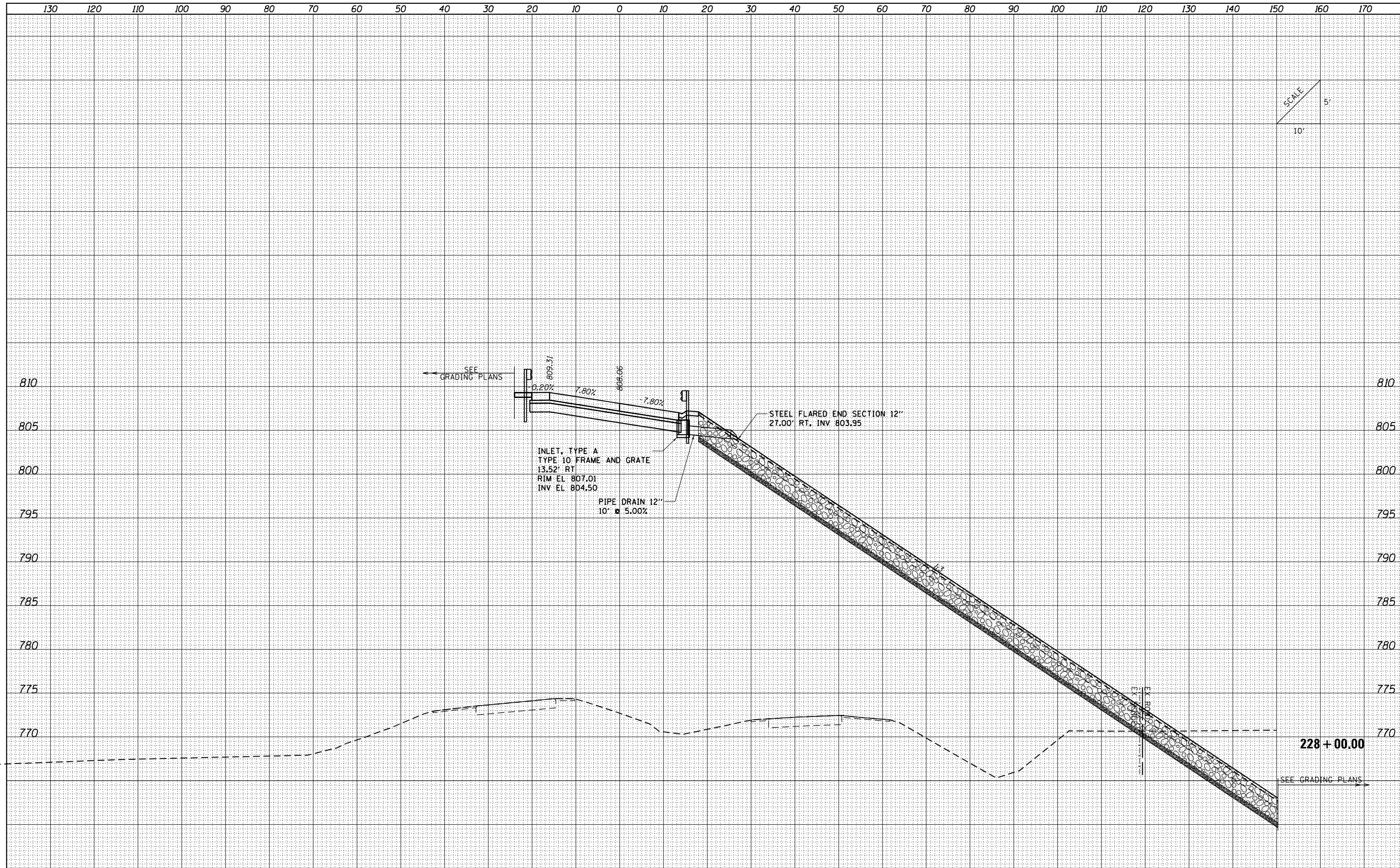
**CULVERT CROSS SECTIONS
RAMP B**

SCALE: SHEET OF SHEETS STA. 225+00.00 TO STA. 225+00.00

F.A.I. RTE. 57&74	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1055
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert

USER NAME = Matt Overbey	DESIGNED - SCD	REVISIED -
	DRAWN - SCD	REVISIED -
PLOT SCALE = 20.0036' / in.	CHECKED - OEI	REVISIED -
PLOT DATE = 3/18/2021 - 2:19:05 PM	DATE - MARCH 2021	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

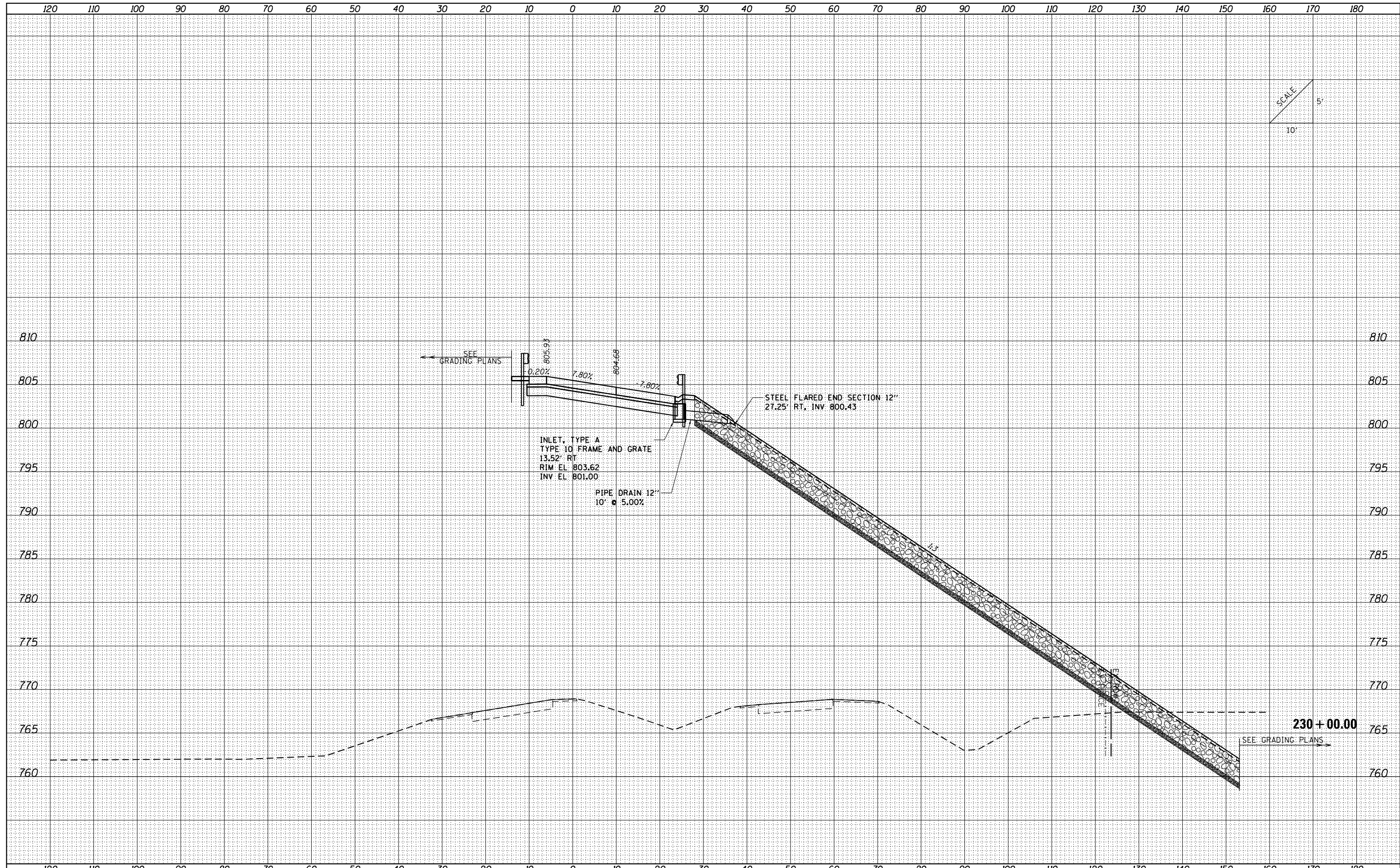
**CULVERT CROSS SECTIONS
RAMP B**

SCALE: SHEET OF SHEETS STA. 228+00.00 TO STA. 228+00.00

F.A.I. RTE. 57&74	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1056
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



FILE NAME = ...C-3\0570B99-sht-XSC Culvert

USER NAME = Matt Overbey	DESIGNED - SCD	REVISIED -
	DRAWN - SCD	REVISIED -
PLOT SCALE = 20.0036' / in.	CHECKED - OEI	REVISIED -
PLOT DATE = 3/18/2021 - 2:19:05 PM	DATE - MARCH 2021	REVISIED -

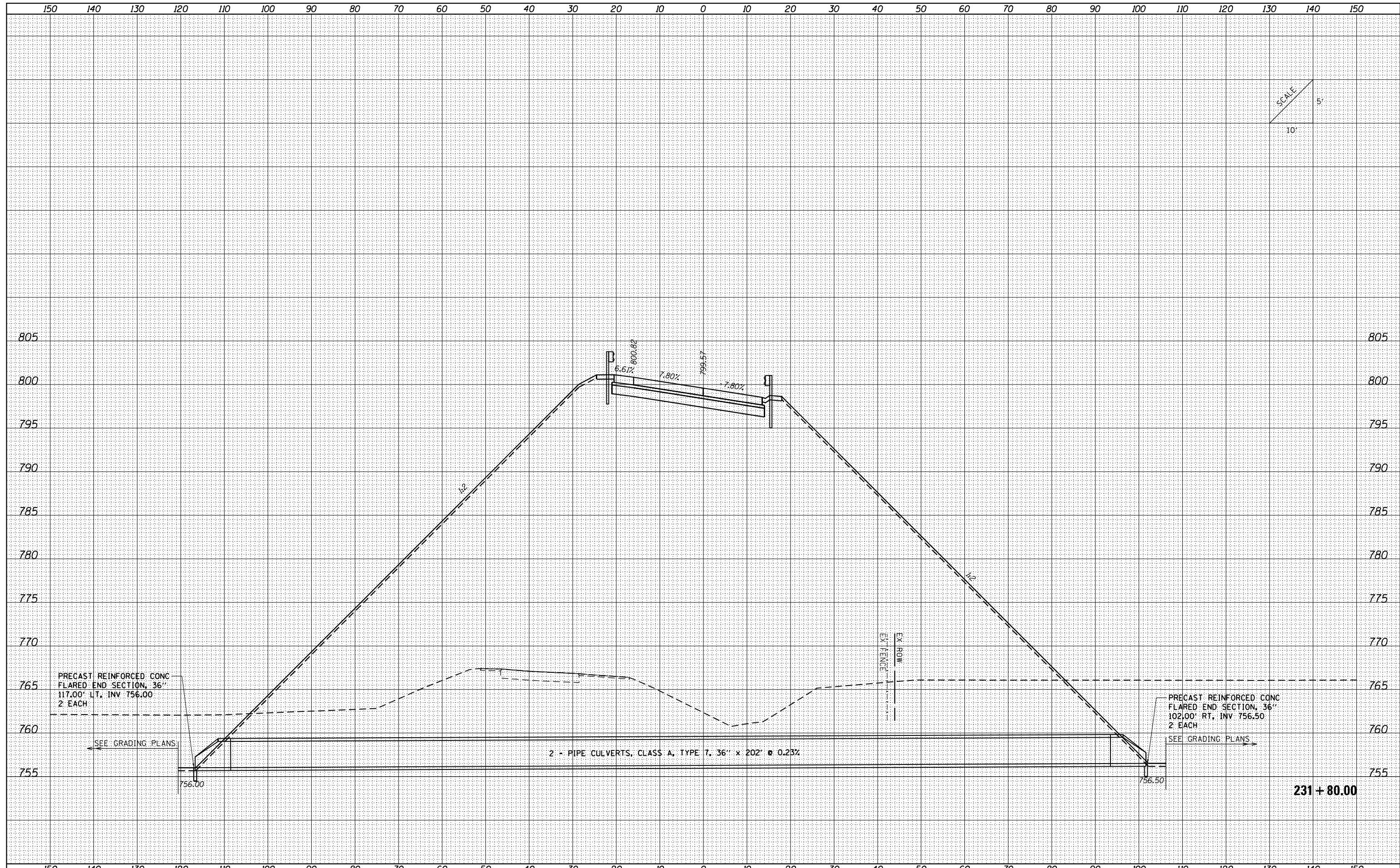
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CULVERT CROSS SECTIONS RAMP B			
SCALE:	SHEET	OF	SHEETS
			STA. 230+00.00 TO STA. 230+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1057
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



FILE NAME = ...C-3\0570B99-sht-XSC Culvert

USER NAME = Matt Overbey	DESIGNED - SCD	REVISD -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISD -
PLOT DATE = 3/18/2021 - 2:19:05 PM	CHECKED - OEI	REVISD -
	DATE - MARCH 2021	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

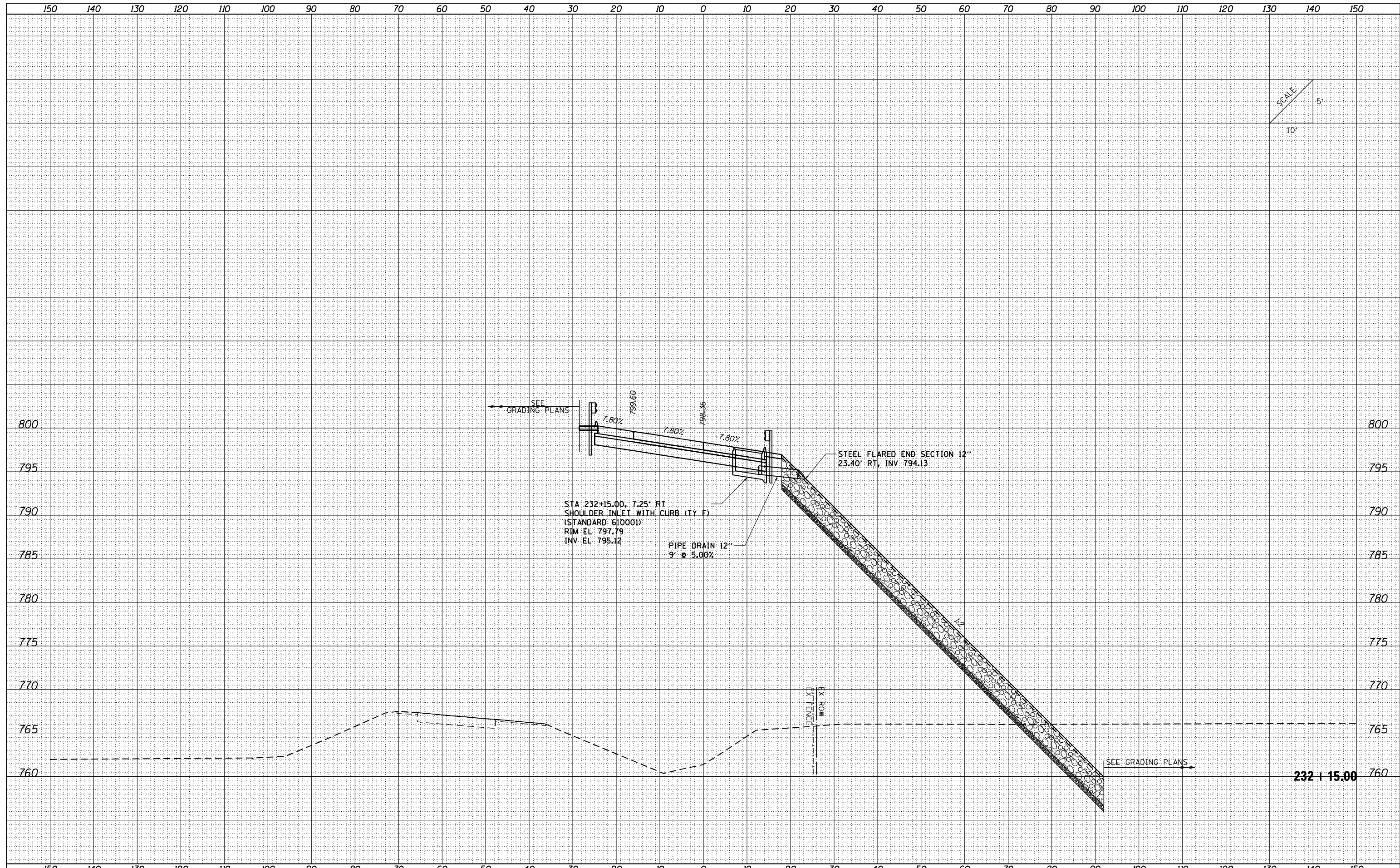
**CULVERT CROSS SECTIONS
RAMP B**

SCALE: SHEET OF SHEETS STA. 231+80.00 TO STA. 231+80.00

F.A.I. RTE. 57&74	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1058
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
AREAS CHECKED	



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert

USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISED -
PLOT DATE = 3/18/2021 - 2:19:05 PM	CHECKED - OEI	REVISED -
	DATE - MARCH 2021	REVISED -

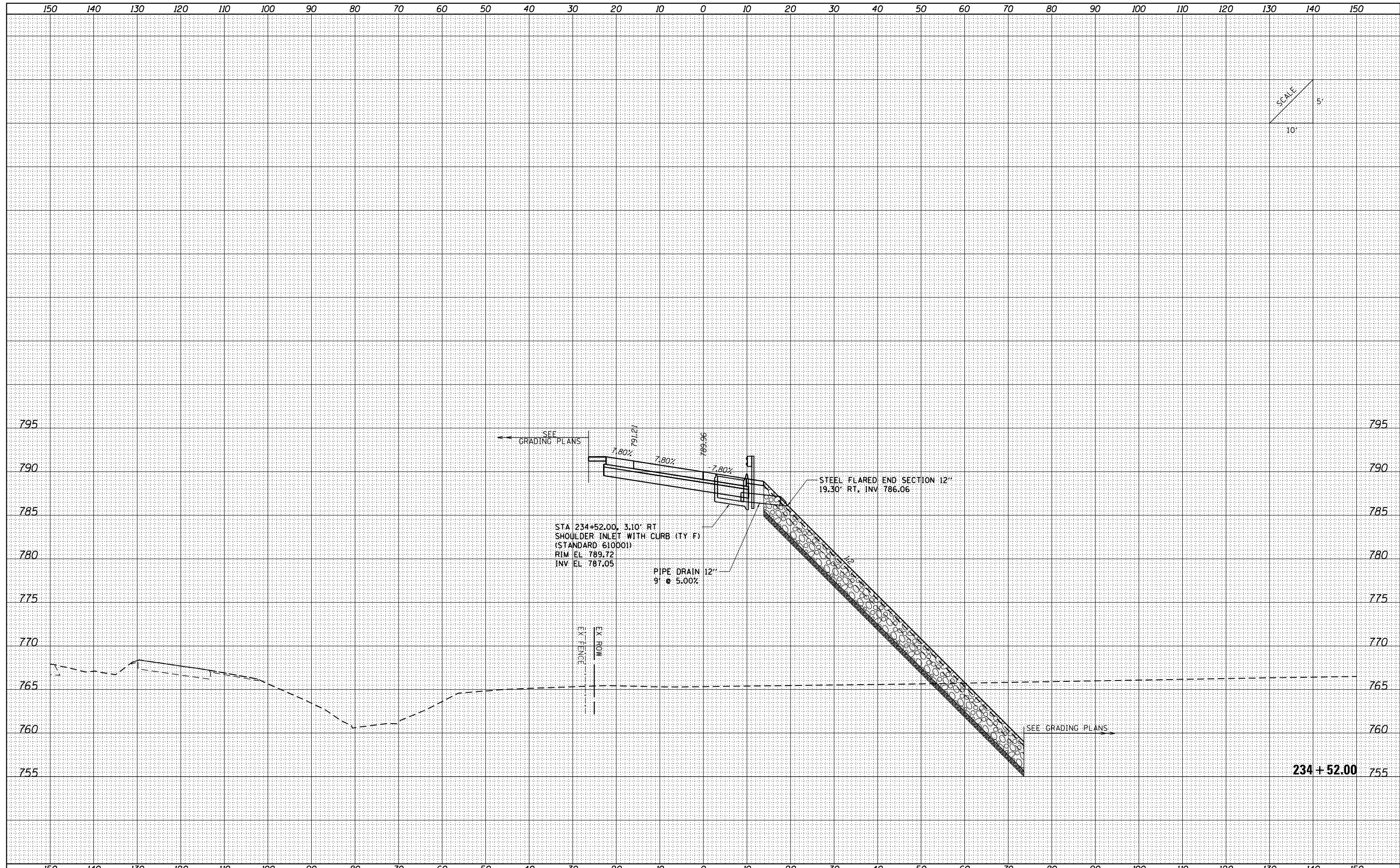
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CULVERT CROSS SECTIONS RAMP B			
SCALE:	SHEET	OF	SHEETS
			STA. 232+15.00 TO STA. 232+15.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1059
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert

USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISED -
PLOT DATE = 3/18/2021 - 2:19:06 PM	CHECKED - OEI	REVISED -
	DATE - MARCH 2021	REVISED -

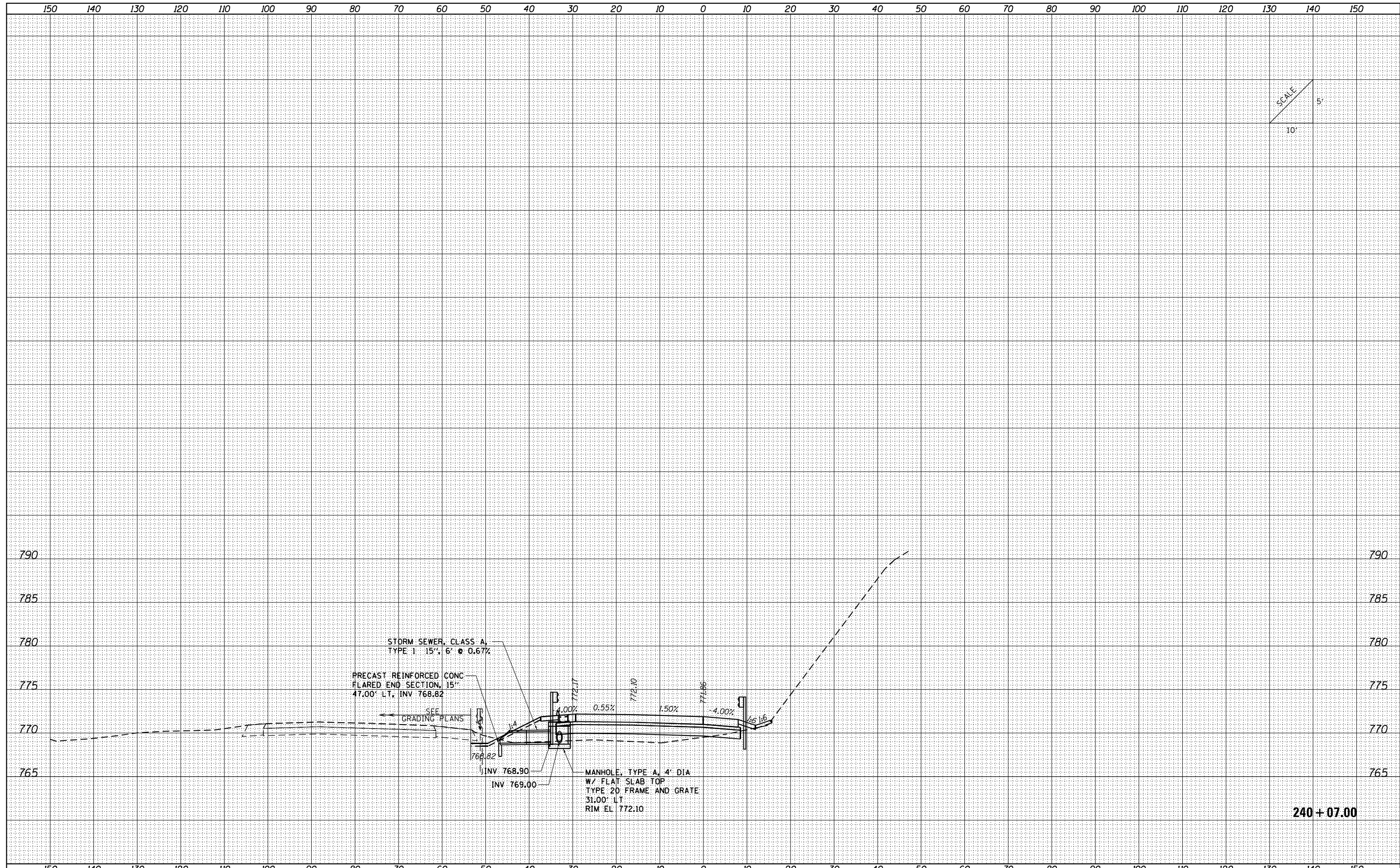
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CULVERT CROSS SECTIONS RAMP B	
SCALE:	SHEET OF SHEETS STA. 234+50.00 TO STA. 234+50.00

F.A.I. RTE. 57&74	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1060
CONTRACT NO. 70B99			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



SCALE
10'
5'

240 + 07.00

FILE NAME = ...VC-3\0570B99-sht-XSC Culvert
Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISED -
PLOT DATE = 3/18/2021 - 2:19:06 PM	CHECKED - OEI	REVISED -
	DATE - MARCH 2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

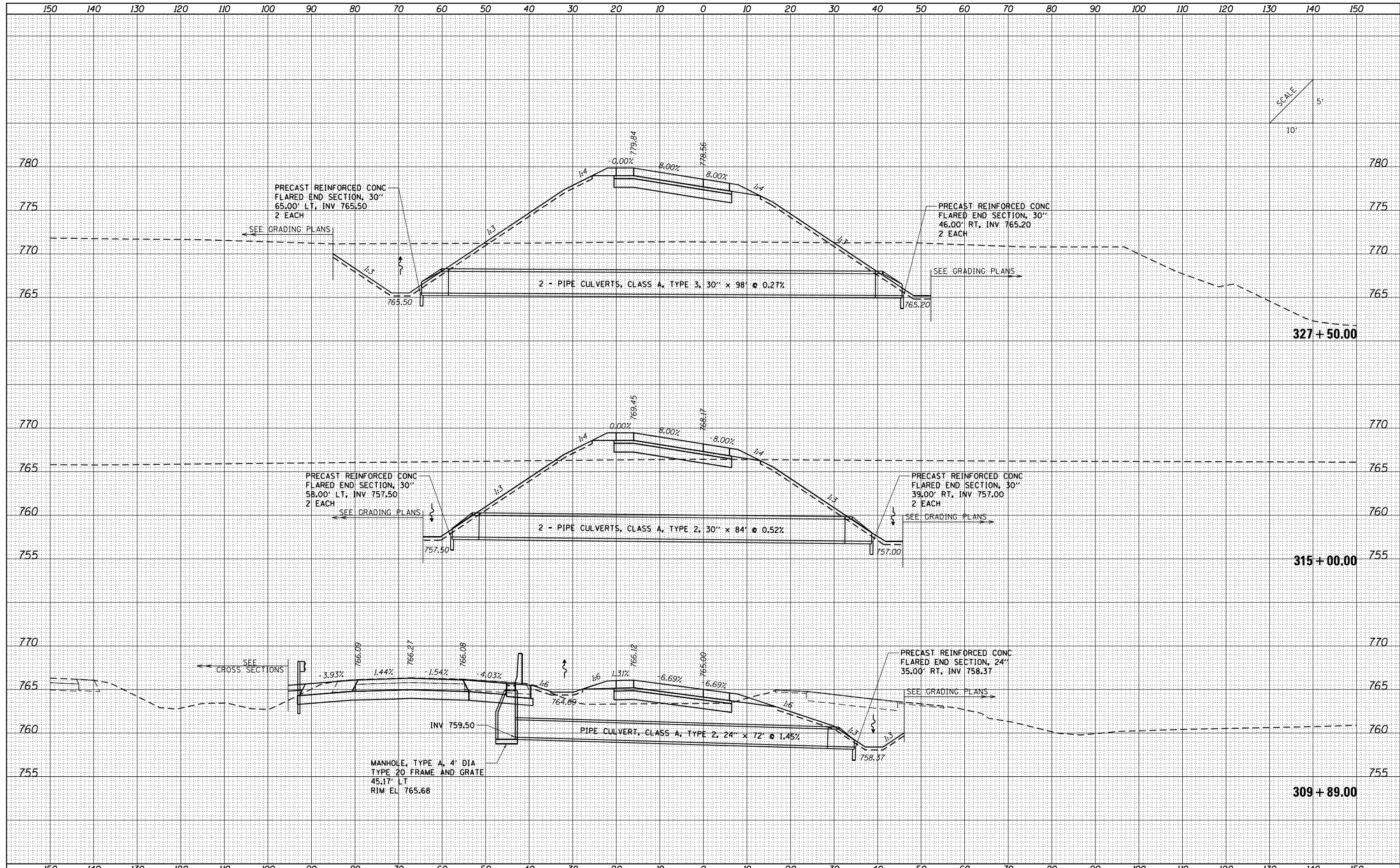
CULVERT CROSS SECTIONS
RAMP B

SCALE: SHEET OF SHEETS STA. 240+05.00 TO STA. 240+05.00

F.A.I. RTE. 57&74	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1061
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert
 Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
	DRAWN - SCD	REVISED -
PLOT SCALE = 20.0036' / in.	CHECKED - OEI	REVISED -
PLOT DATE = 3/18/2021 - 2:19:06 PM	DATE - MARCH 2021	REVISED -

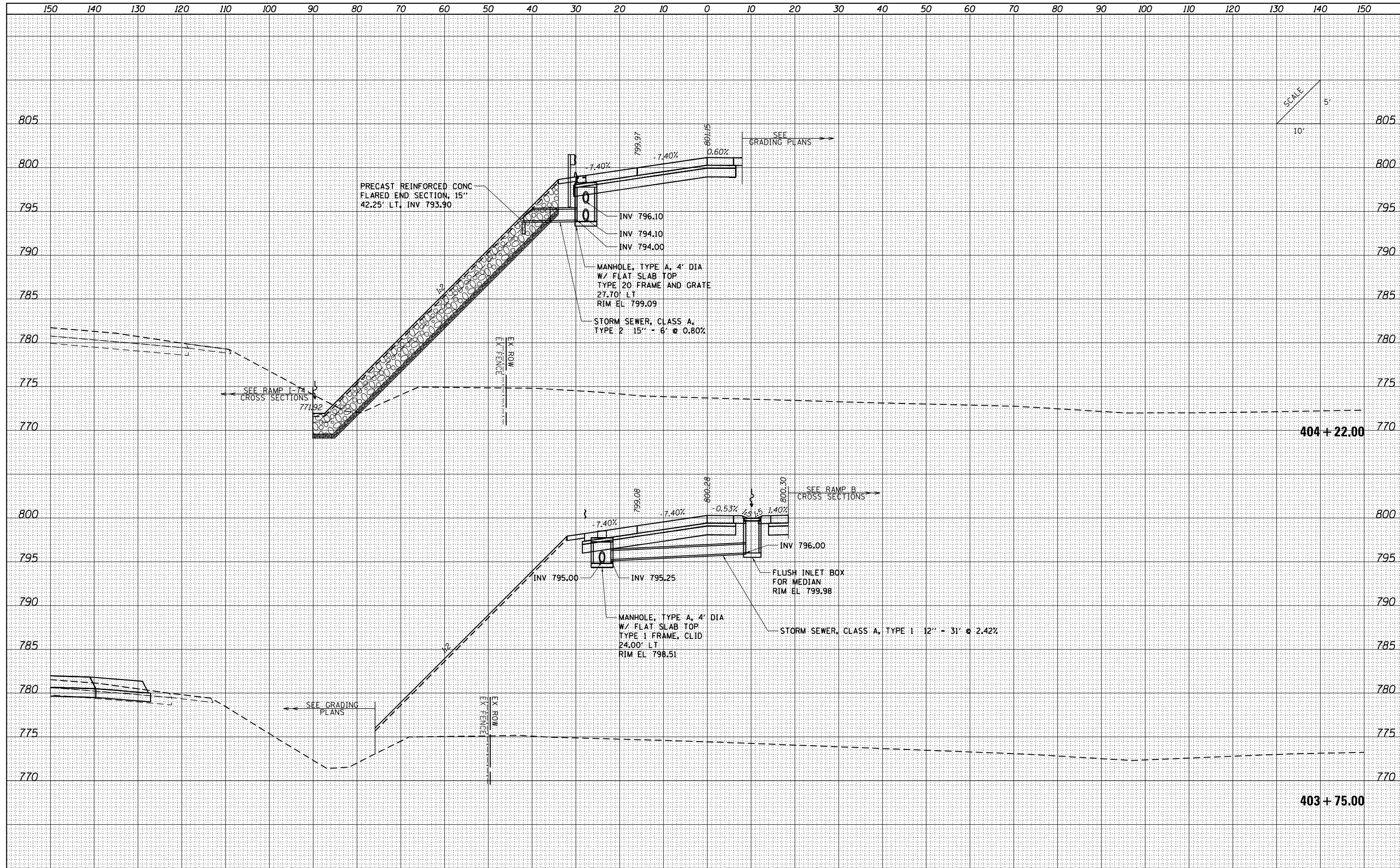
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CULVERT CROSS SECTIONS RAMP C			
SCALE:	SHEET	OF	SHEETS
			STA. 309+89.00 TO STA. 327+50.00

F.A.I. R.T.E. 57&74	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1062
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert

USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISED -
PLOT DATE = 3/18/2021 - 2:19:06 PM	CHECKED - OEI	REVISED -
	DATE - MARCH 2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

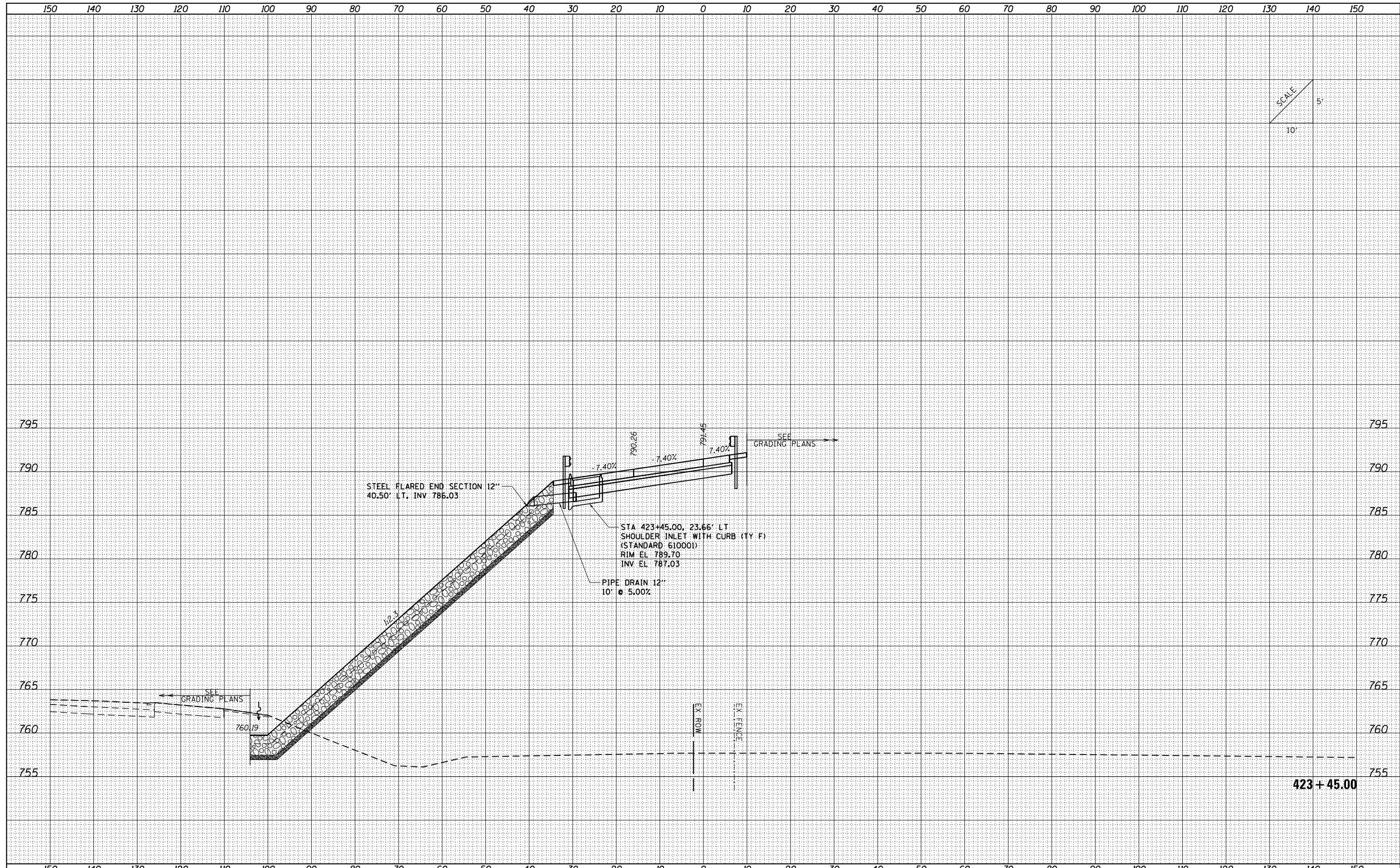
**CULVERT CROSS SECTIONS
RAMP D**

SCALE: SHEET OF SHEETS STA. 403+60.00 TO STA. 404+37.00

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1063
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



SCALE
10'
5'

FILE NAME = ...VC-3\0570B99-sht-XSC Culvert
Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISIED -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISIED -
PLOT DATE = 3/18/2021 - 2:19:06 PM	CHECKED - OEI	REVISIED -
	DATE - MARCH 2021	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

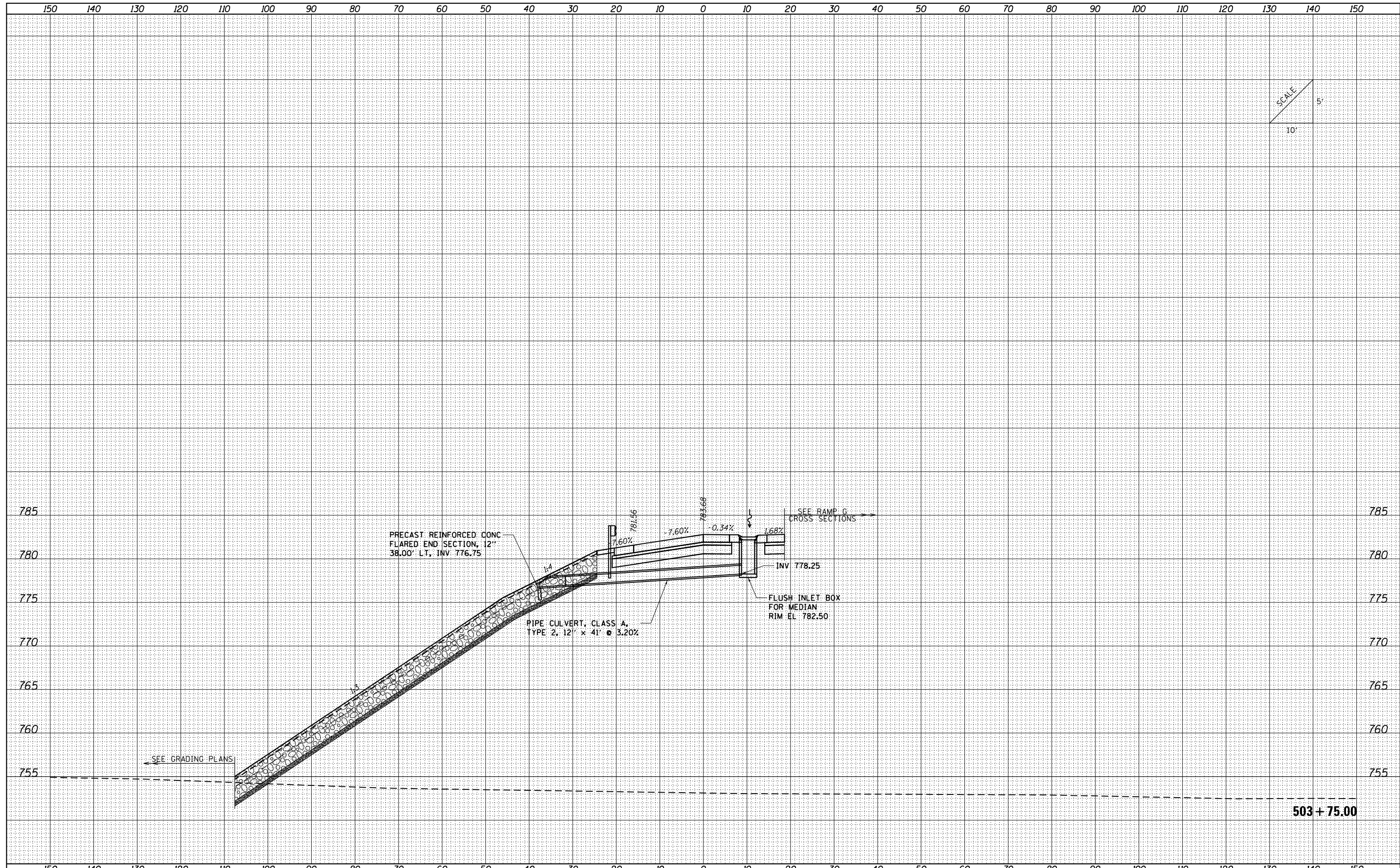
CULVERT CROSS SECTIONS RAMP D			
SCALE:	SHEET	OF	SHEETS
			STA. 423+45.00 TO STA. 423+45.00

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1064
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

423 + 45.00

DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	



FILE NAME = ...C-3\0570B99-sht-XSC Culvert
 Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISÉD -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISÉD -
PLOT DATE = 3/18/2021 - 2:19:07 PM	CHECKED - OEI	REVISÉD -
	DATE - MARCH 2021	REVISÉD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

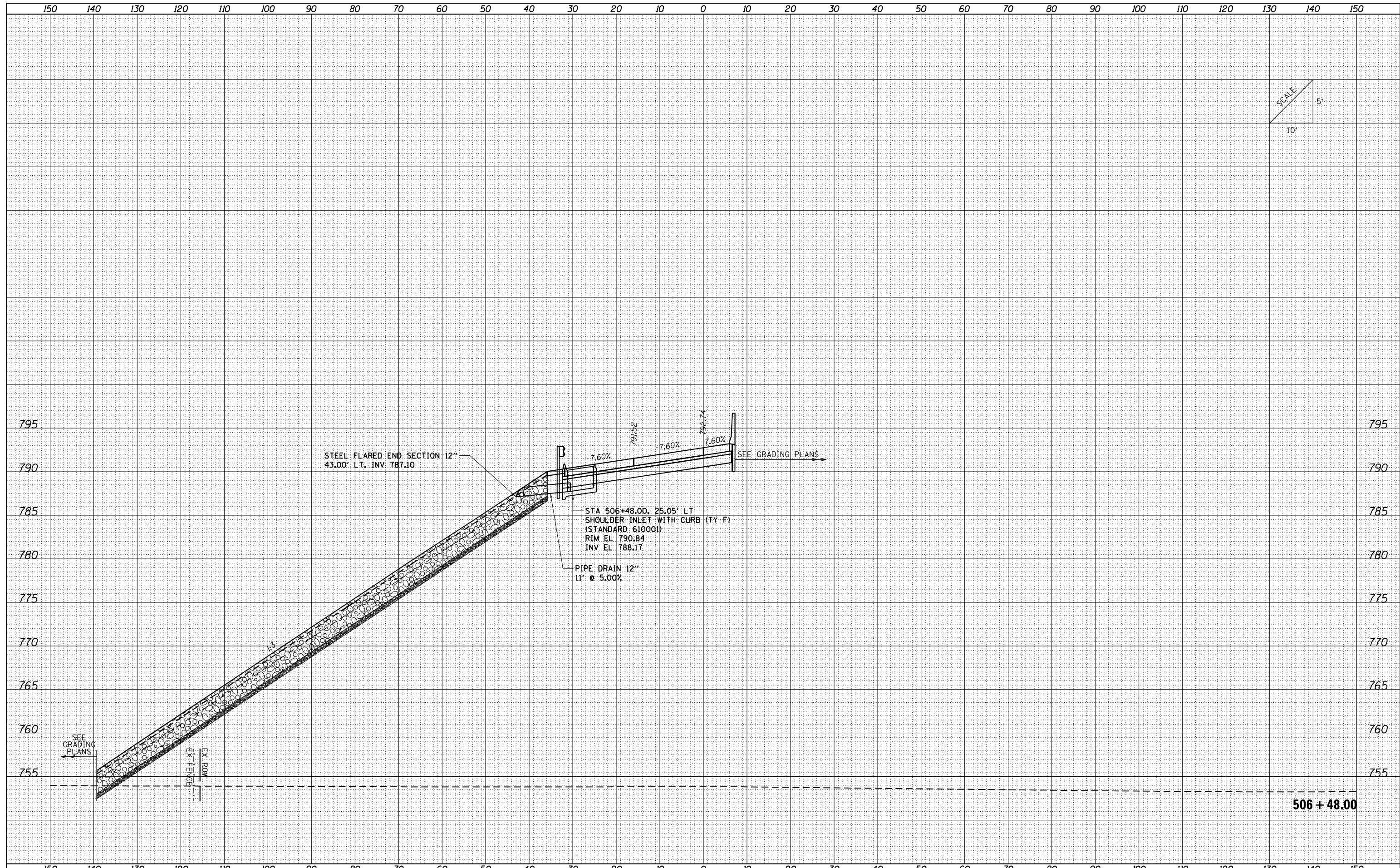
**CULVERT CROSS SECTIONS
 RAMP E**

SCALE: SHEET OF SHEETS STA. 503+65.00 TO STA. 503+65.00

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1065
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert
 Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISD -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISD -
PLOT DATE = 3/18/2021 - 2:19:07 PM	CHECKED - OEI	REVISD -
	DATE - MARCH 2021	REVISD -

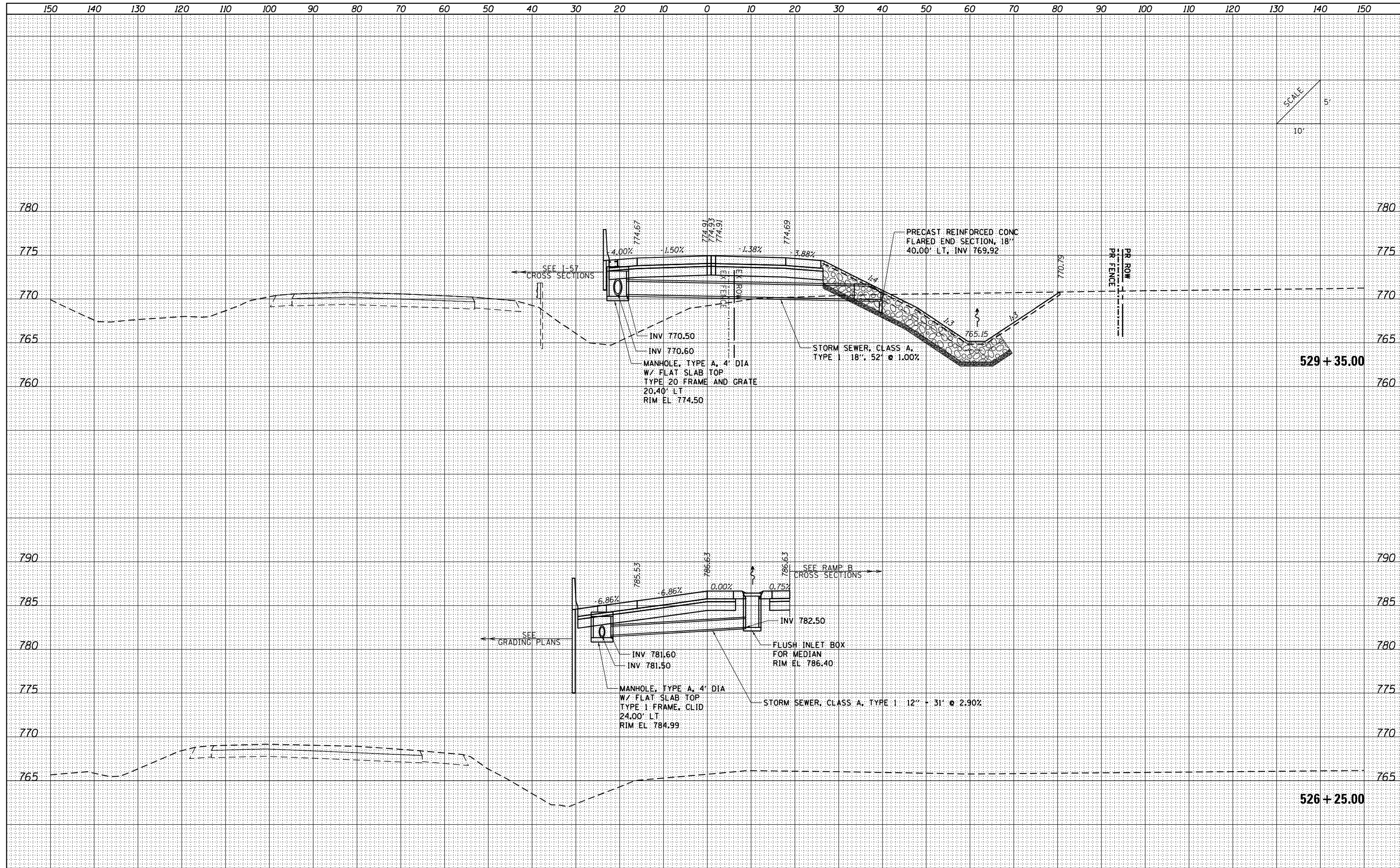
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CULVERT CROSS SECTIONS RAMP E			
SCALE:	SHEET	OF	SHEETS
			STA. 506+58.00 TO STA. 506+58.00

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1066
			CONTRACT NO.	70B99
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



FILE NAME = ...C-3\0570B99-sht-XSC Culvert
 Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISED -
PLOT DATE = 3/18/2021 - 2:19:07 PM	CHECKED - OEI	REVISED -
	DATE - MARCH 2021	REVISED -

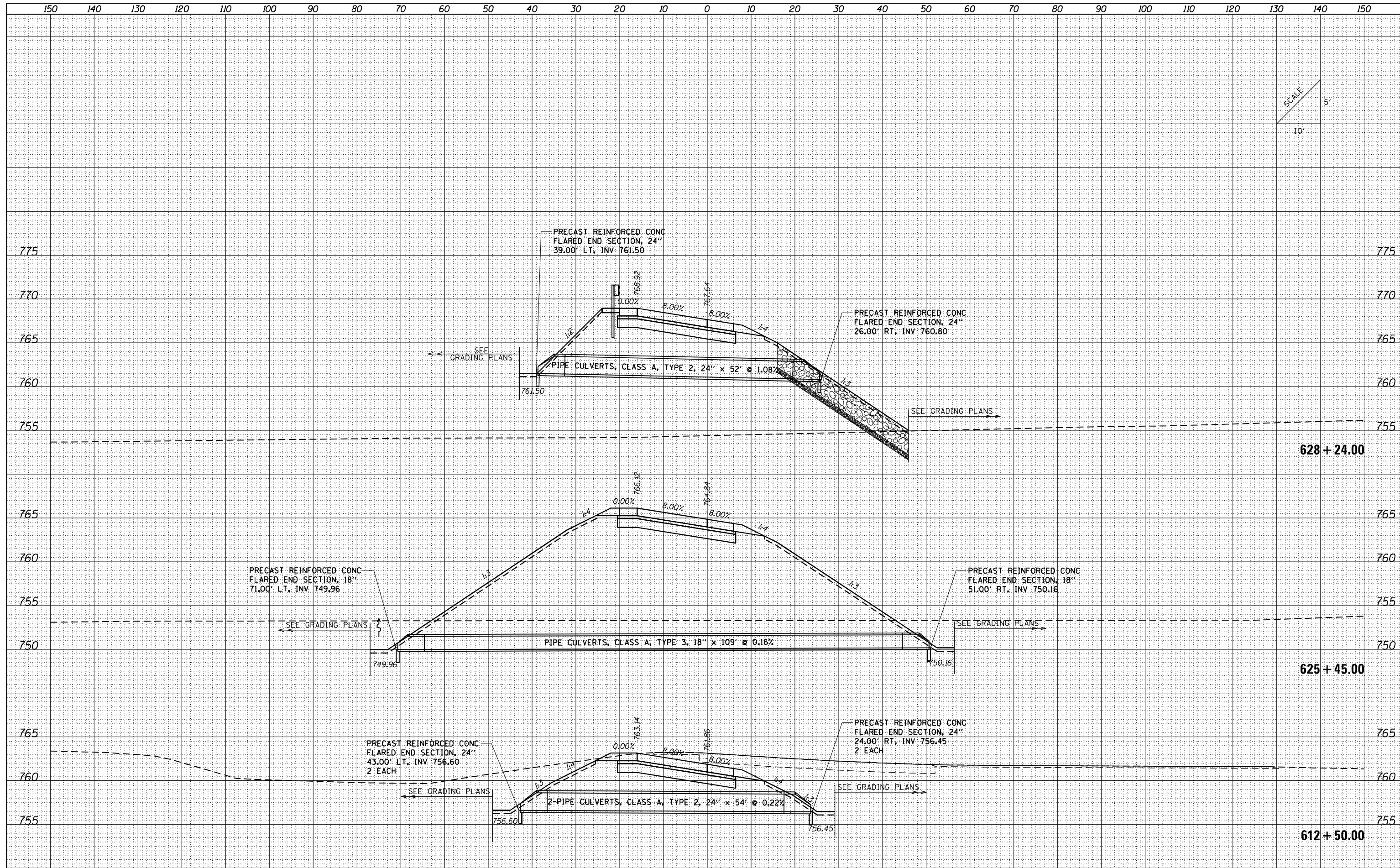
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CULVERT CROSS SECTIONS RAMP E			
SCALE:	SHEET	OF	SHEETS
			STA. 526+35.00 TO STA. 526+35.00

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1067
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



SCALE
10'
5'

FILE NAME = ...C-3\0570B99-sht-XSC Culvert
Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISED -
PLOT DATE = 3/18/2021 - 2:19:07 PM	CHECKED - OEI	REVISED -
	DATE - MARCH 2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

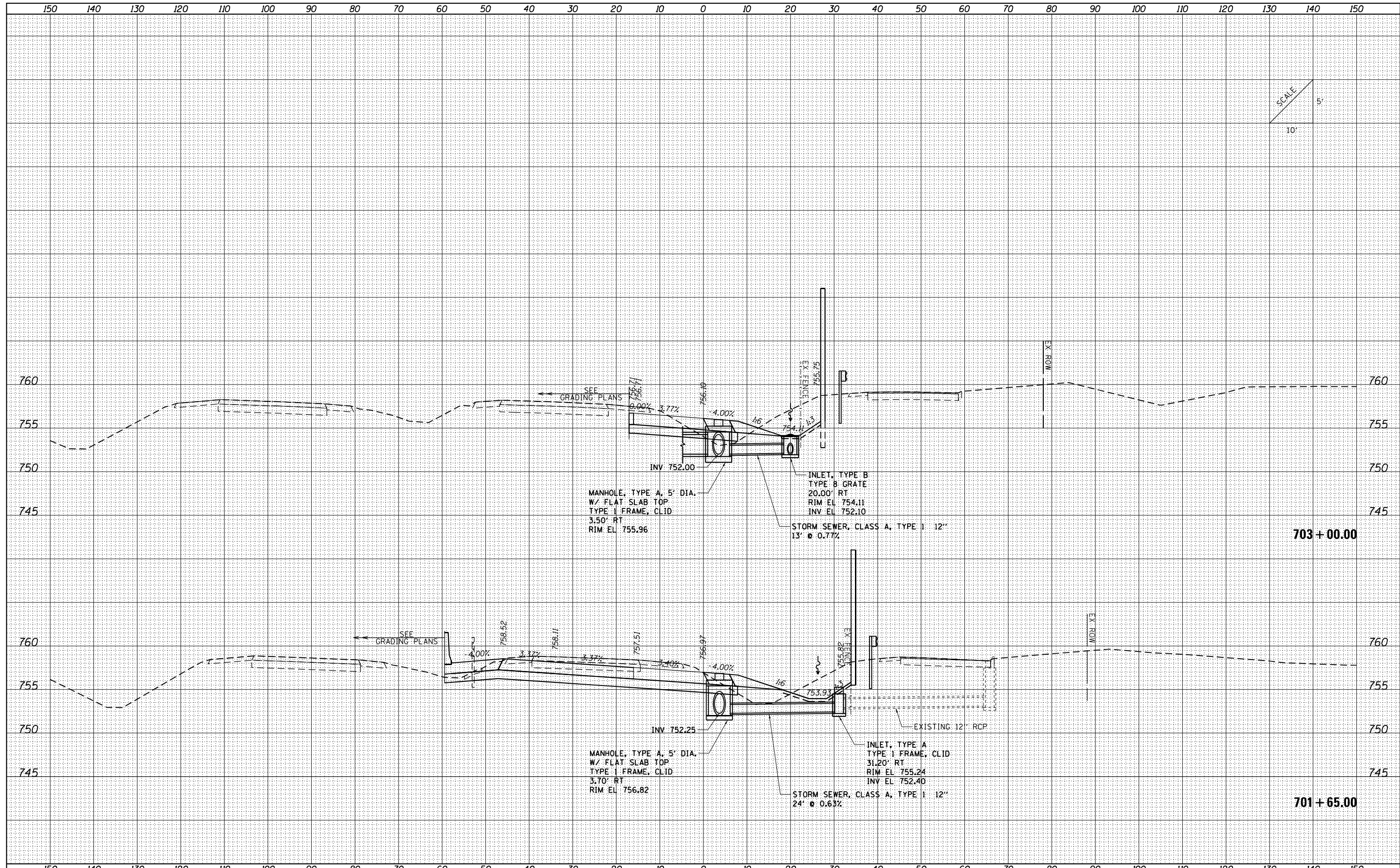
**CULVERT CROSS SECTIONS
RAMP F**

SCALE: SHEET OF SHEETS STA. 612+50.00 TO STA. 628+24.00

F.A.I. RTE. 57&74	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1068
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



FILE NAME = ...C-3\0570B99-sht-XSC Culvert
 Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
	DRAWN - SCD	REVISED -
PLOT SCALE = 20.0036' / in.	CHECKED - OEI	REVISED -
PLOT DATE = 3/18/2021 - 2:19:07 PM	DATE - MARCH 2021	REVISED -

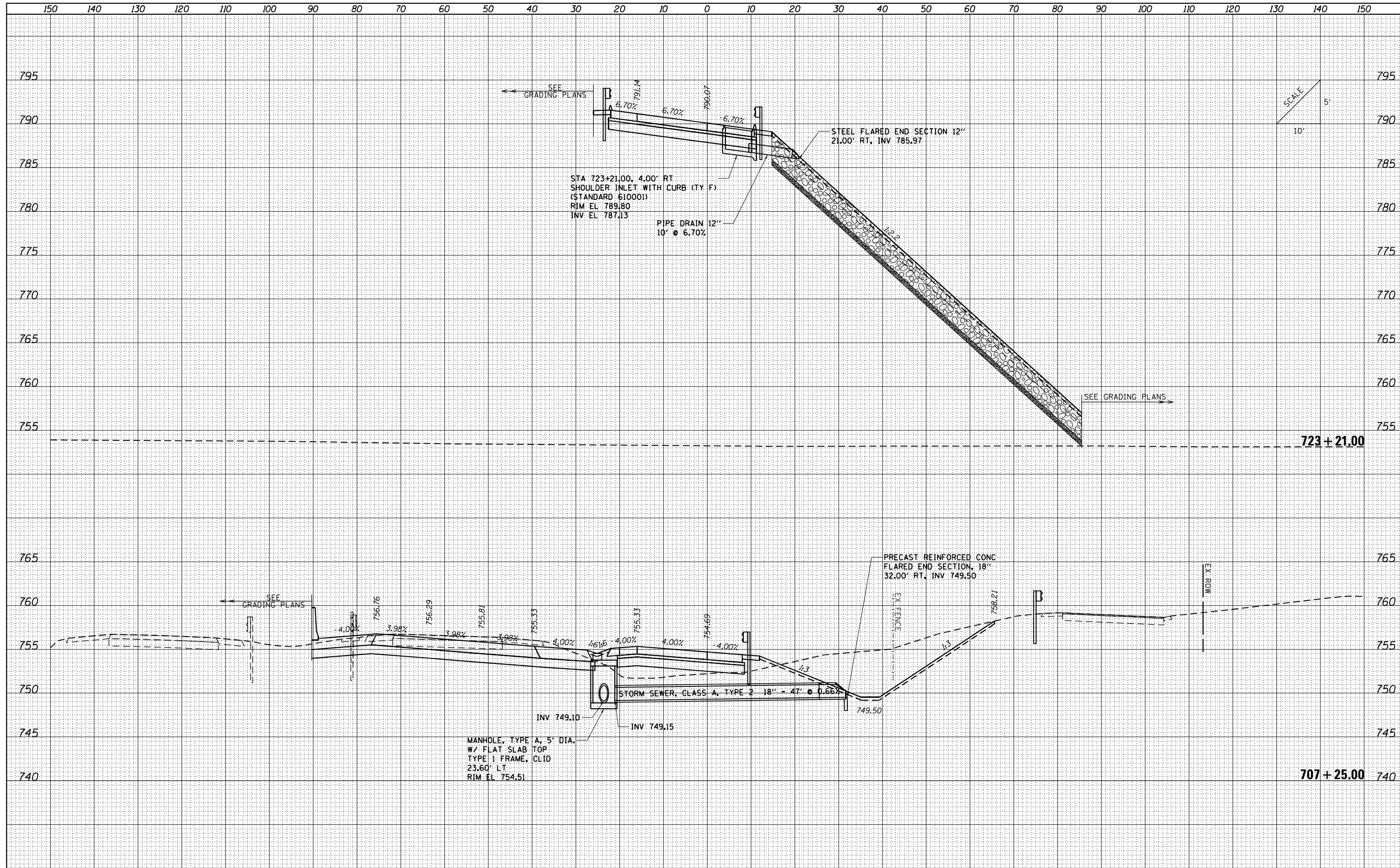
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CULVERT CROSS SECTIONS RAMP G			
SCALE:	SHEET	OF	SHEETS
			STA. 701+65.00 TO STA. 703+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1069
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert

USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISED -
PLOT DATE = 3/18/2021 - 2:19:08 PM	CHECKED - OEI	REVISED -
	DATE - MARCH 2021	REVISED -

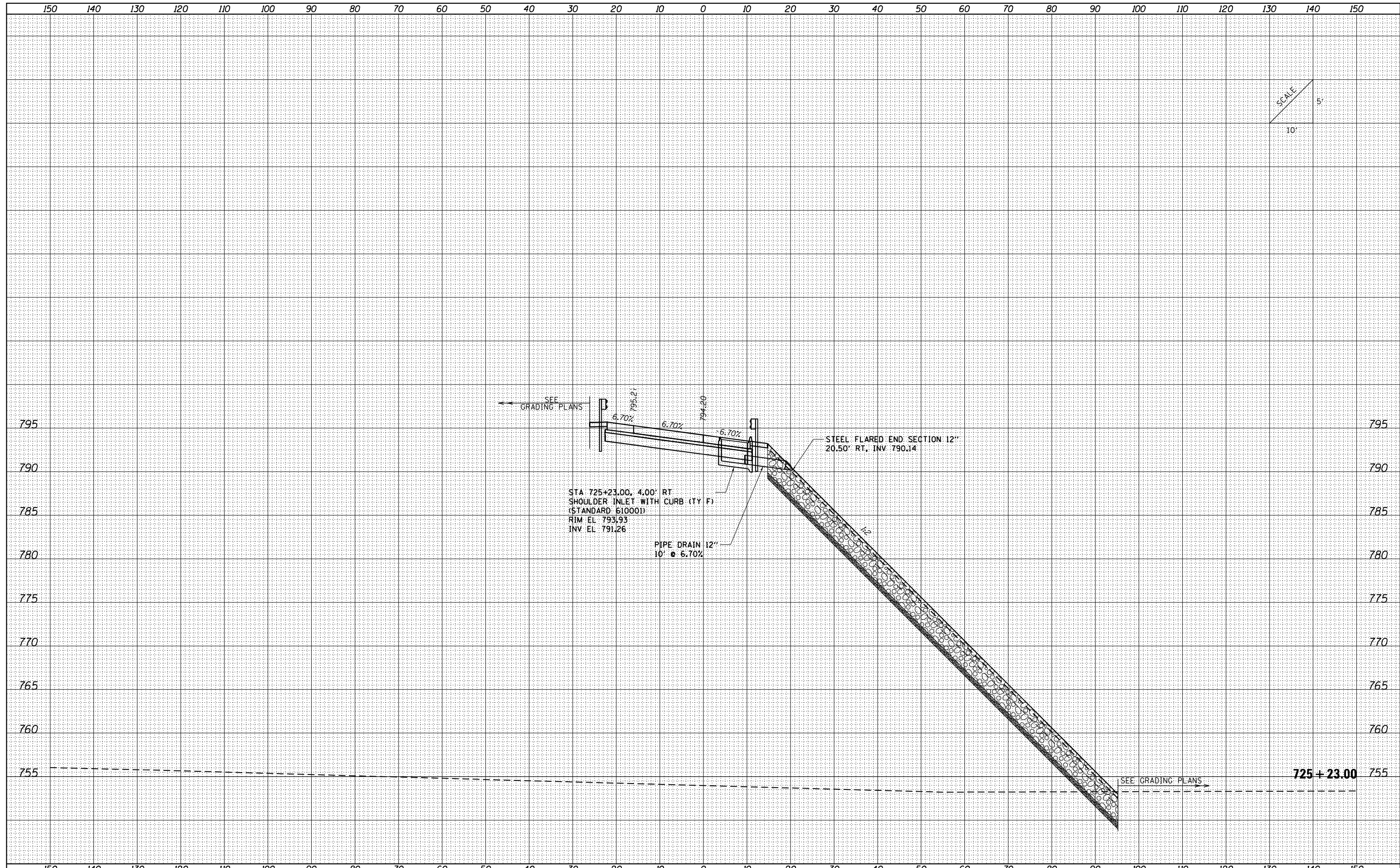
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CULVERT CROSS SECTIONS RAMP G			
SCALE:	SHEET	OF	SHEETS
			STA. 707+25.00 TO STA. 707+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1070
			CONTRACT NO.	70B99
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert
 Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISIED -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISIED -
PLOT DATE = 3/18/2021 - 2:19:08 PM	CHECKED - OEI	REVISIED -
	DATE - MARCH 2021	REVISIED -

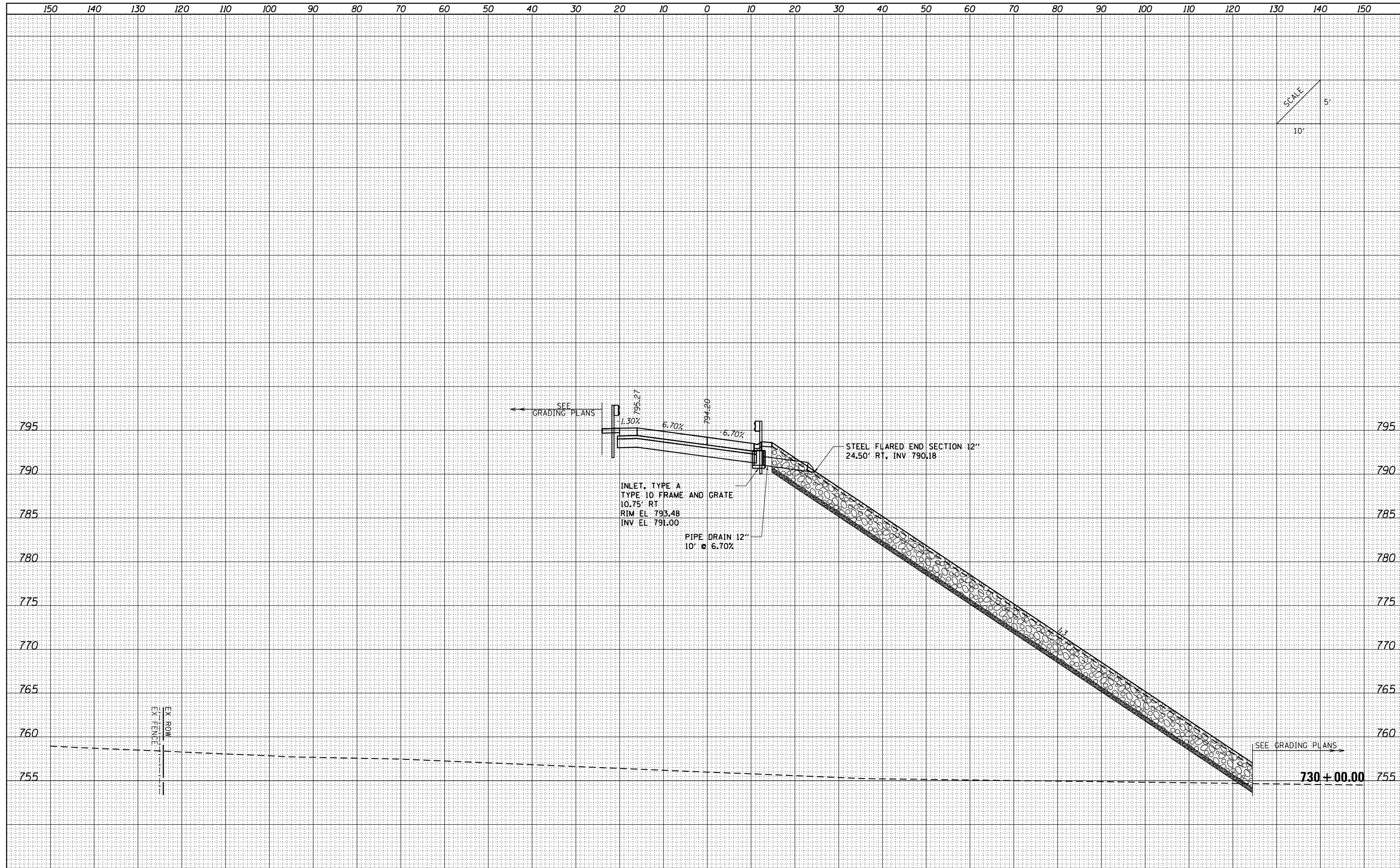
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CULVERT CROSS SECTIONS RAMP G			
SCALE:	SHEET	OF	SHEETS
			STA. 723+22.00 TO STA. 723+22.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1071
CONTRACT NO. 70B99				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert
 Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISED -
PLOT DATE = 3/18/2021 - 2:19:08 PM	CHECKED - OEI	REVISED -
	DATE - MARCH 2021	REVISED -

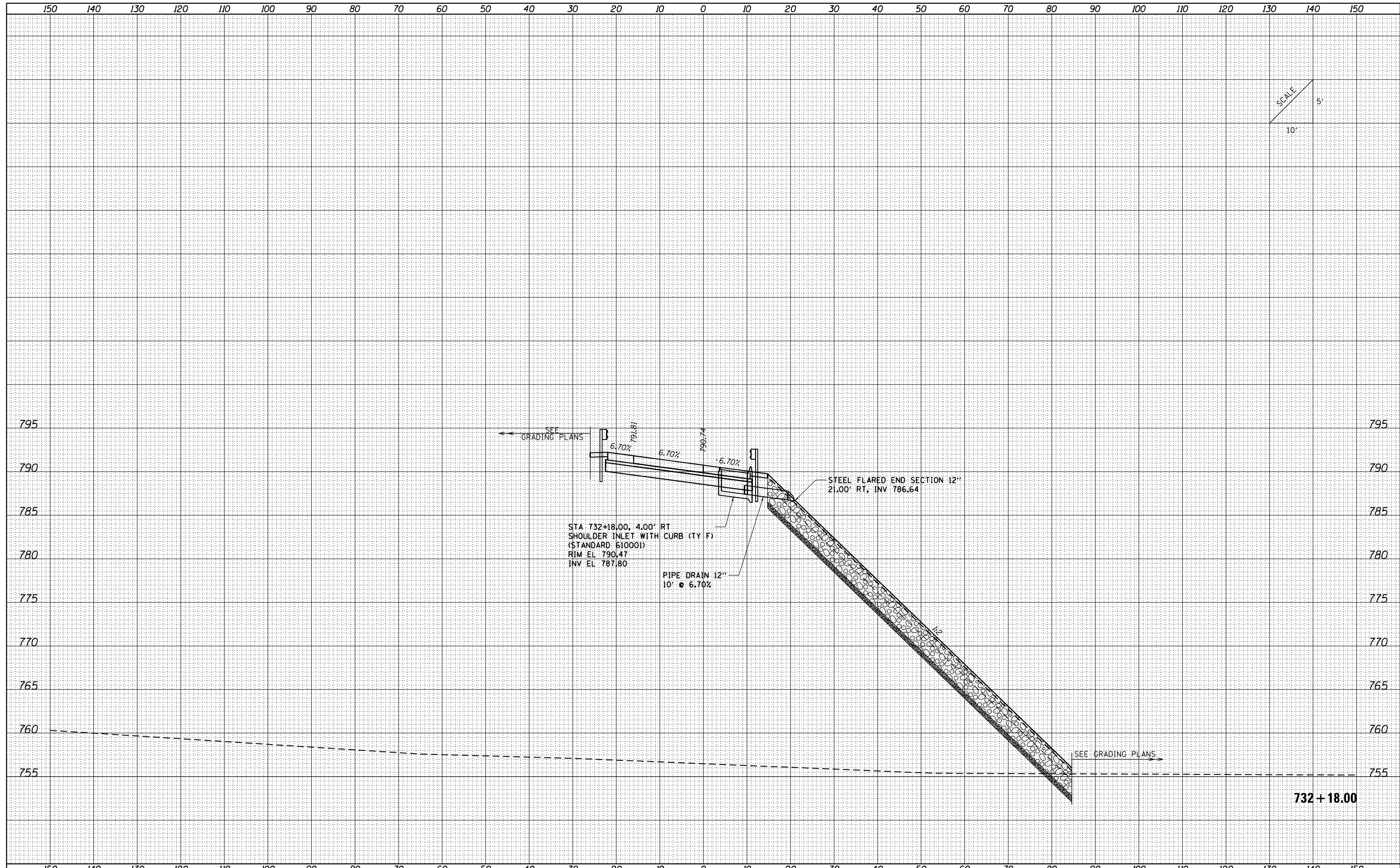
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CULVERT CROSS SECTIONS RAMP G			
SCALE:	SHEET	OF	SHEETS
			STA. 725+45.00 TO STA. 725+45.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1073
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



FILE NAME = ...VC-3\0570B99-sht-XSC Culvert
 Default

USER NAME = Matt Overbey	DESIGNED - SCD	REVISED -
PLOT SCALE = 20.0036' / in.	DRAWN - SCD	REVISED -
PLOT DATE = 3/18/2021 - 2:19:08 PM	CHECKED - OEI	REVISED -
	DATE - MARCH 2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

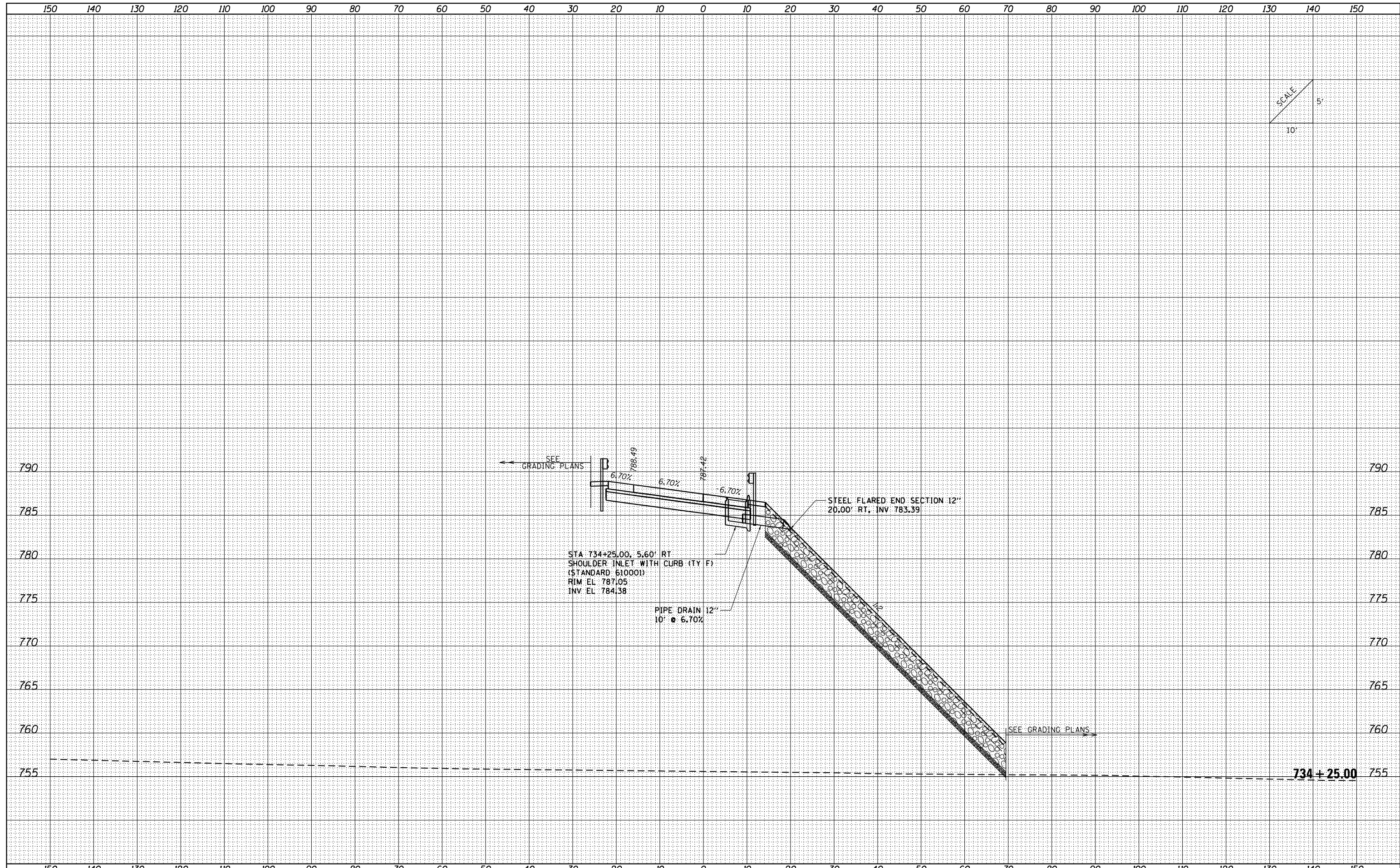
CULVERT CROSS SECTIONS RAMP G			
SCALE:	SHEET	OF	SHEETS
			STA. 730+00.00 TO STA. 730+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1074
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

732+18.00

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



FILE NAME = ...C-3\0570B99-sht-XSC Culvert

USER NAME = Matt Overbey	DESIGNED - SCD	REVISIED -
	DRAWN - SCD	REVISIED -
PLOT SCALE = 20.0036' / in.	CHECKED - OEI	REVISIED -
PLOT DATE = 3/18/2021 - 2:19:09 PM	DATE - MARCH 2021	REVISIED -

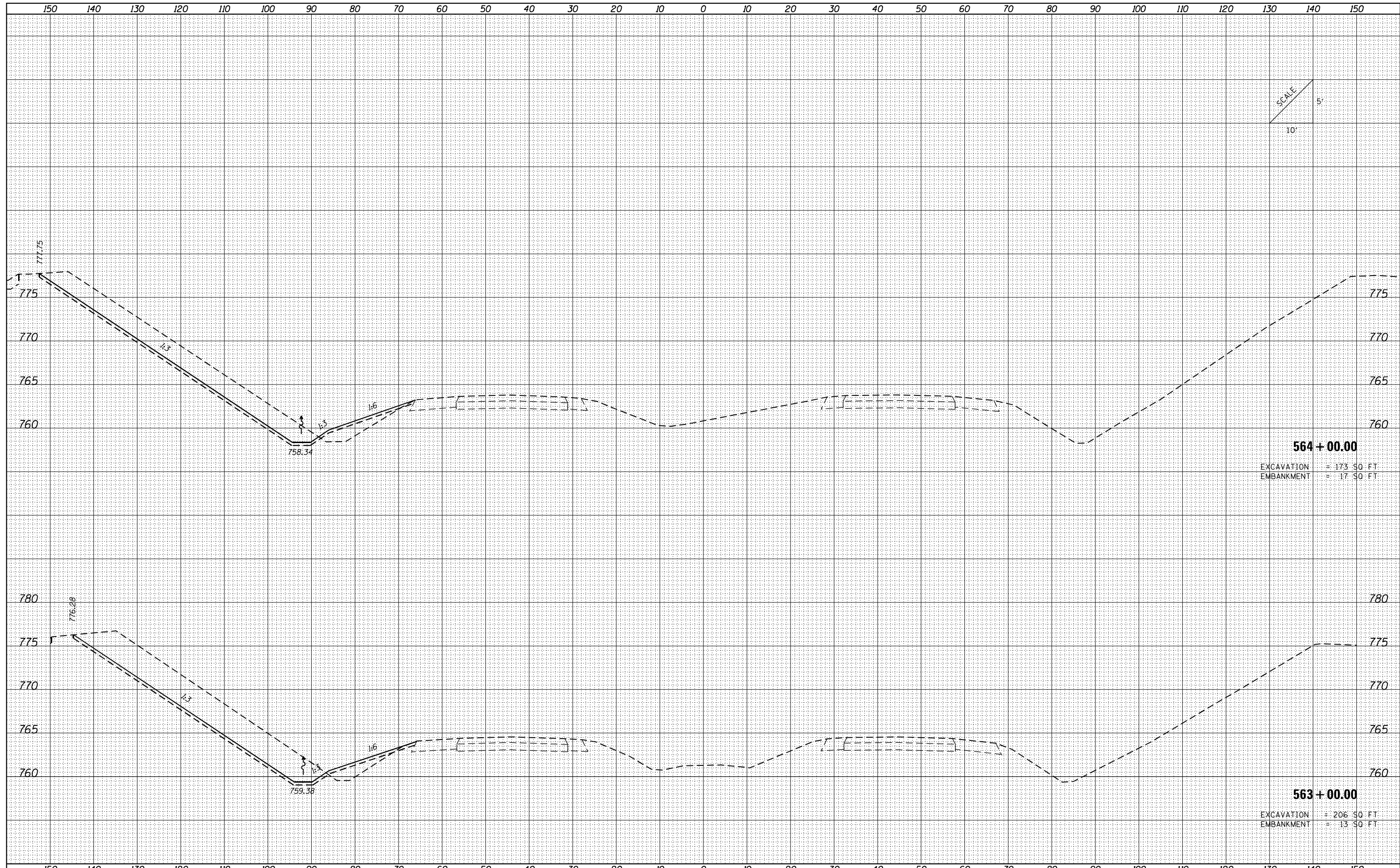
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CULVERT CROSS SECTIONS RAMP G			
SCALE:	SHEET	OF	SHEETS
			STA. 732+18.00 TO STA. 732+18.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1075
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



564 + 00.00
 EXCAVATION = 173 SQ. FT.
 EMBANKMENT = 17 SQ. FT.

563 + 00.00
 EXCAVATION = 206 SQ. FT.
 EMBANKMENT = 13 SQ. FT.

FILE NAME = ...VC-3\0570B99-sht-XSC I-57.dgn
 Default

USER NAME = Matt Overbey	DESIGNED - CWW	REVISED -
PLOT SCALE = 1/4" = 1' in.	DRAWN - CWW	REVISED -
PLOT DATE = 3/18/2021 - 2:19:55 PM	CHECKED - MJO/SPH	REVISED -
	DATE - MARCH 2021	REVISED -

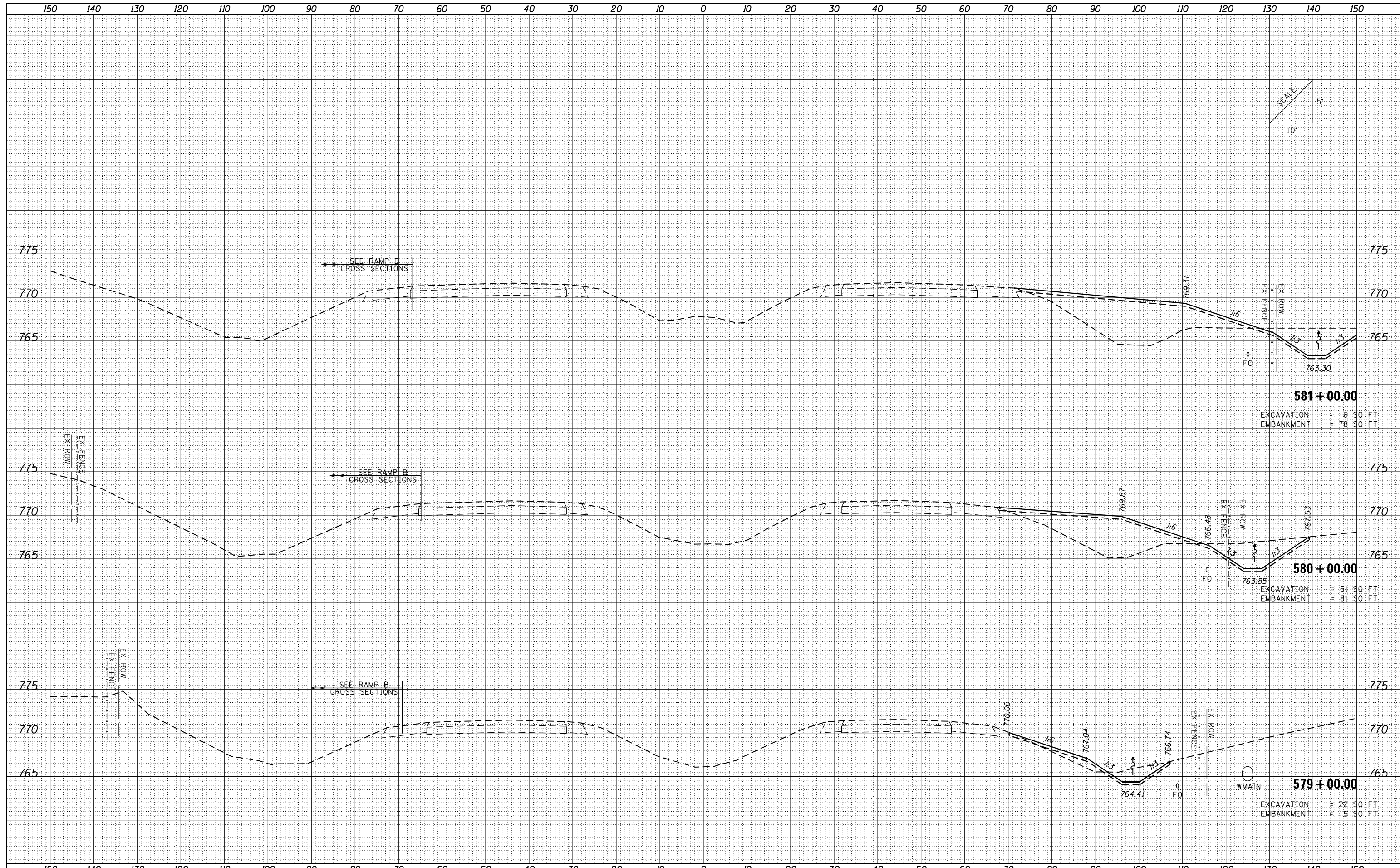
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
I-57			
SCALE:	SHEET	OF	SHEETS
			STA. 563+00.00 TO STA. 564+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1077
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



581 + 00.00
 EXCAVATION = 6 SQ. FT.
 EMBANKMENT = 78 SQ. FT.

580 + 00.00
 EXCAVATION = 51 SQ. FT.
 EMBANKMENT = 81 SQ. FT.

579 + 00.00
 EXCAVATION = 22 SQ. FT.
 EMBANKMENT = 5 SQ. FT.

FILE NAME = ...VC-3\0570B99-sht-XSC I-57.dgn
 Default

USER NAME = Matt Overbey
 PLOT SCALE = 1/4" = 10'-0"
 PLOT DATE = 3/18/2021 - 2:19:55 PM

DESIGNED - CWW
 DRAWN - CWW
 CHECKED - MJO/SPH
 DATE - MARCH 2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

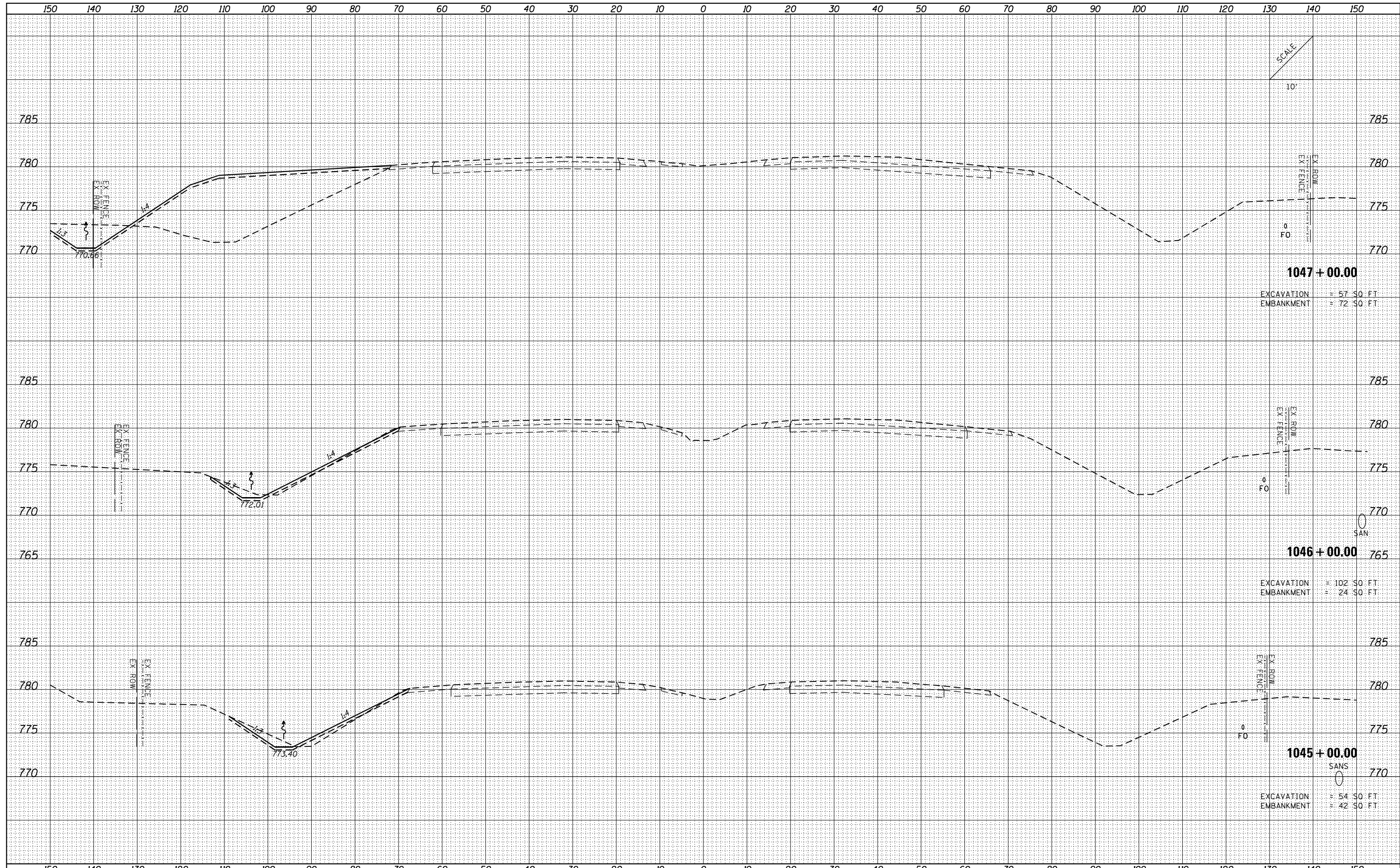
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
I-57
 SCALE: SHEET OF SHEETS STA. 579+00.00 TO STA. 581+00.00

F.A.I. RTE. 57&74	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1079
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



1047 + 00.00
 EXCAVATION = 57 SQ. FT.
 EMBANKMENT = 72 SQ. FT.

1046 + 00.00
 EXCAVATION = 102 SQ. FT.
 EMBANKMENT = 24 SQ. FT.

1045 + 00.00
 EXCAVATION = 54 SQ. FT.
 EMBANKMENT = 42 SQ. FT.

FILE NAME = ...VC-3\0570B99-sht-XSC I-74.dgn
 Default

USER NAME = Matt Overbey	DESIGNED - CWW	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - CWW	REVISED -
PLOT DATE = 3/18/2021 - 2:36:57 PM	CHECKED - MJO/SPH	REVISED -
	DATE - MARCH 2021	REVISED -

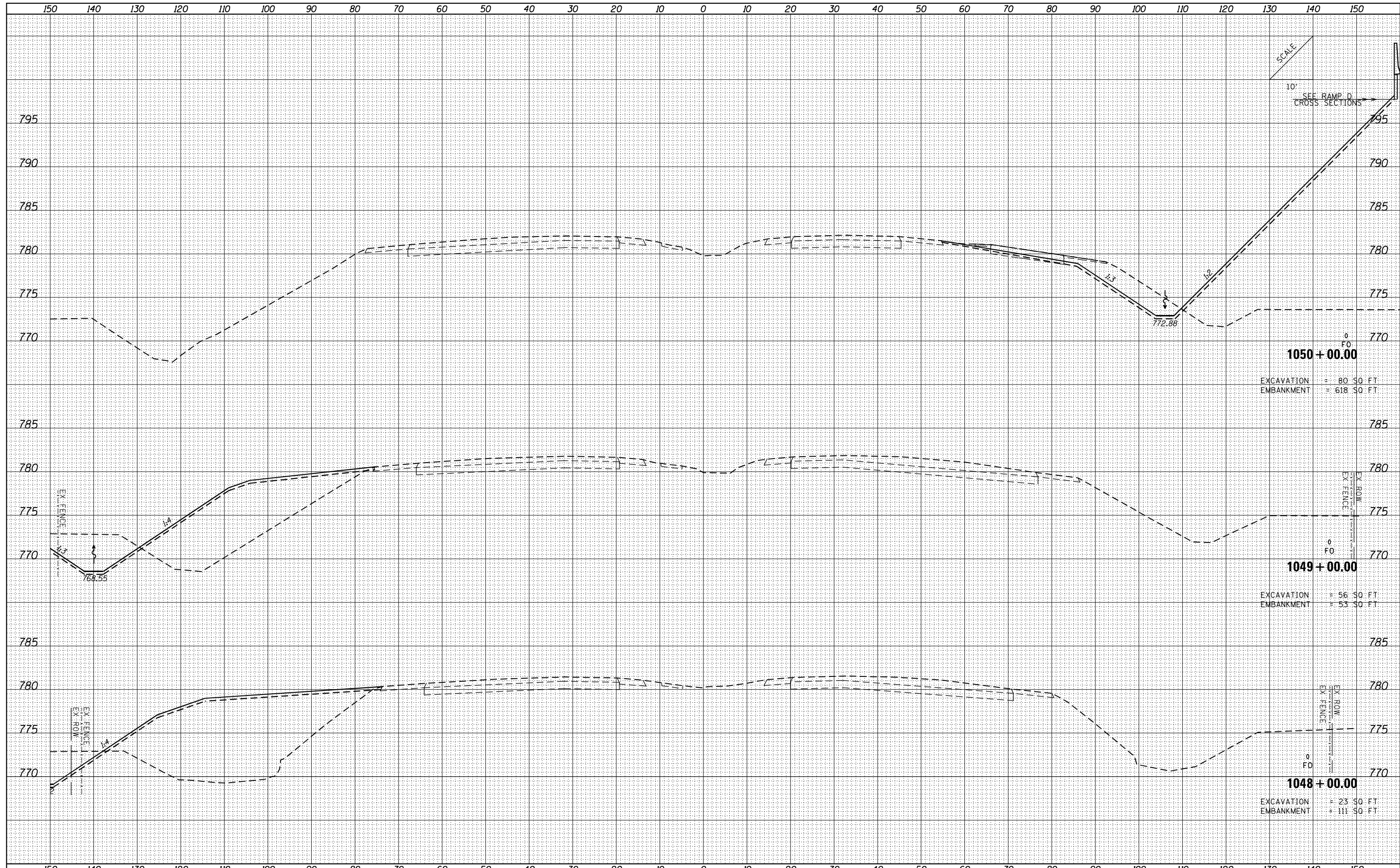
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
I-74			
SCALE:	SHEET	OF	SHEETS
			STA. 1045+00.00 TO STA. 1047+00.00

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1085
			CONTRACT NO.	70B99
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



1050 + 00.00
 EXCAVATION = 80 SQ FT
 EMBANKMENT = 618 SQ FT

1049 + 00.00
 EXCAVATION = 56 SQ FT
 EMBANKMENT = 53 SQ FT

1048 + 00.00
 EXCAVATION = 23 SQ FT
 EMBANKMENT = 111 SQ FT

FILE NAME = ...VC-3\0570B99-sht-XSC I-74.dgn
 Default

USER NAME = Matt Overbey
 DESIGNED - CWW
 DRAWN - CWW
 CHECKED - MJO/SPH
 DATE - MARCH 2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

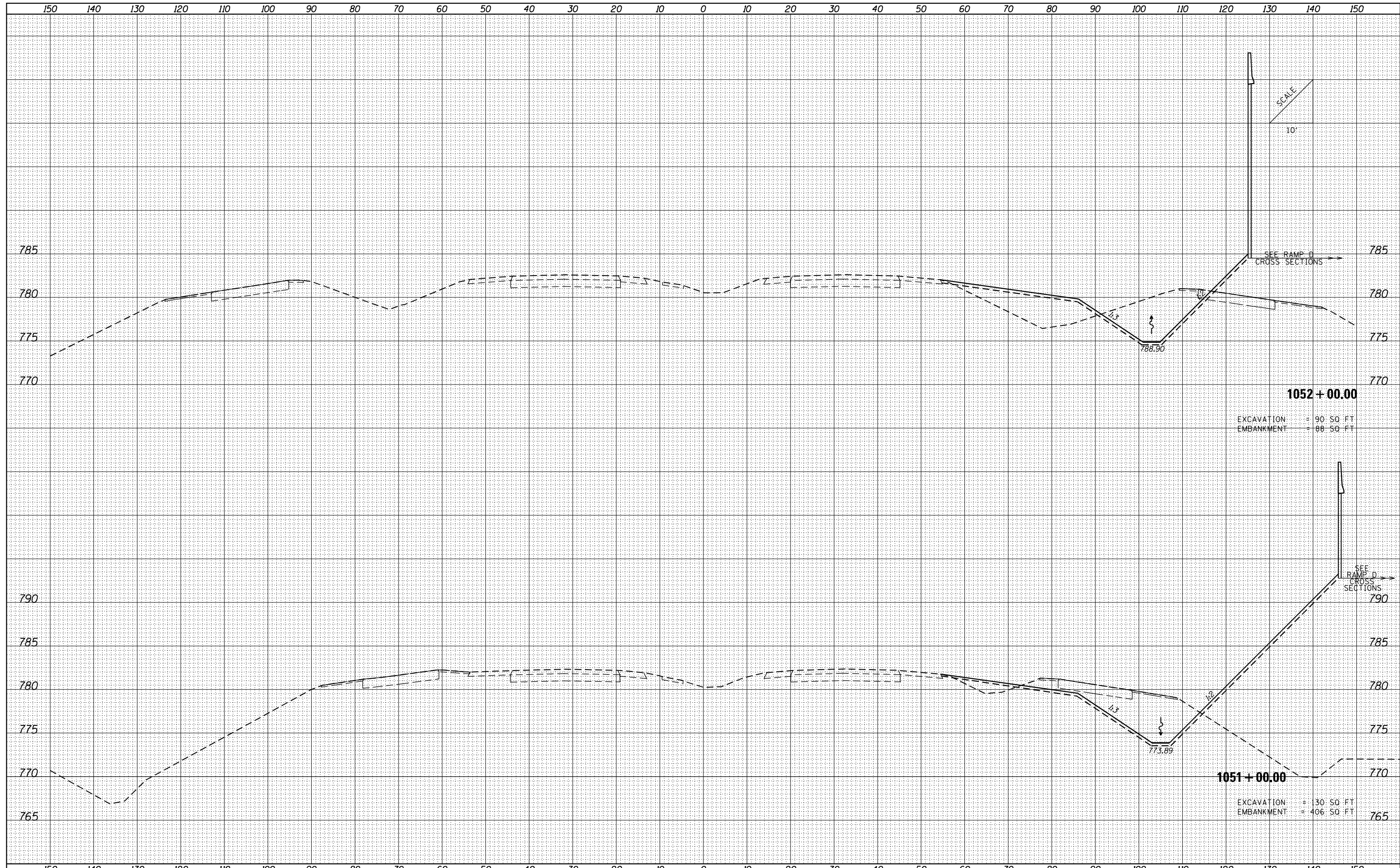
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 I-74
 SCALE: SHEET OF SHEETS STA. 1048+00.00 TO STA. 1050+00.00

F.A.I. RTE. 57&74	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1086
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



EXCAVATION = 90 SQ FT
 EMBANKMENT = 88 SQ FT

EXCAVATION = 30 SQ FT
 EMBANKMENT = 406 SQ FT

FILE NAME = ...VC-3\0570B99-sht-XSC I-74.dgn
 Default

USER NAME = Matt Overbey	DESIGNED - CWW	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - CWW	REVISED -
PLOT DATE = 3/18/2021 - 2:36:57 PM	CHECKED - MJO/SPH	REVISED -
	DATE - MARCH 2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

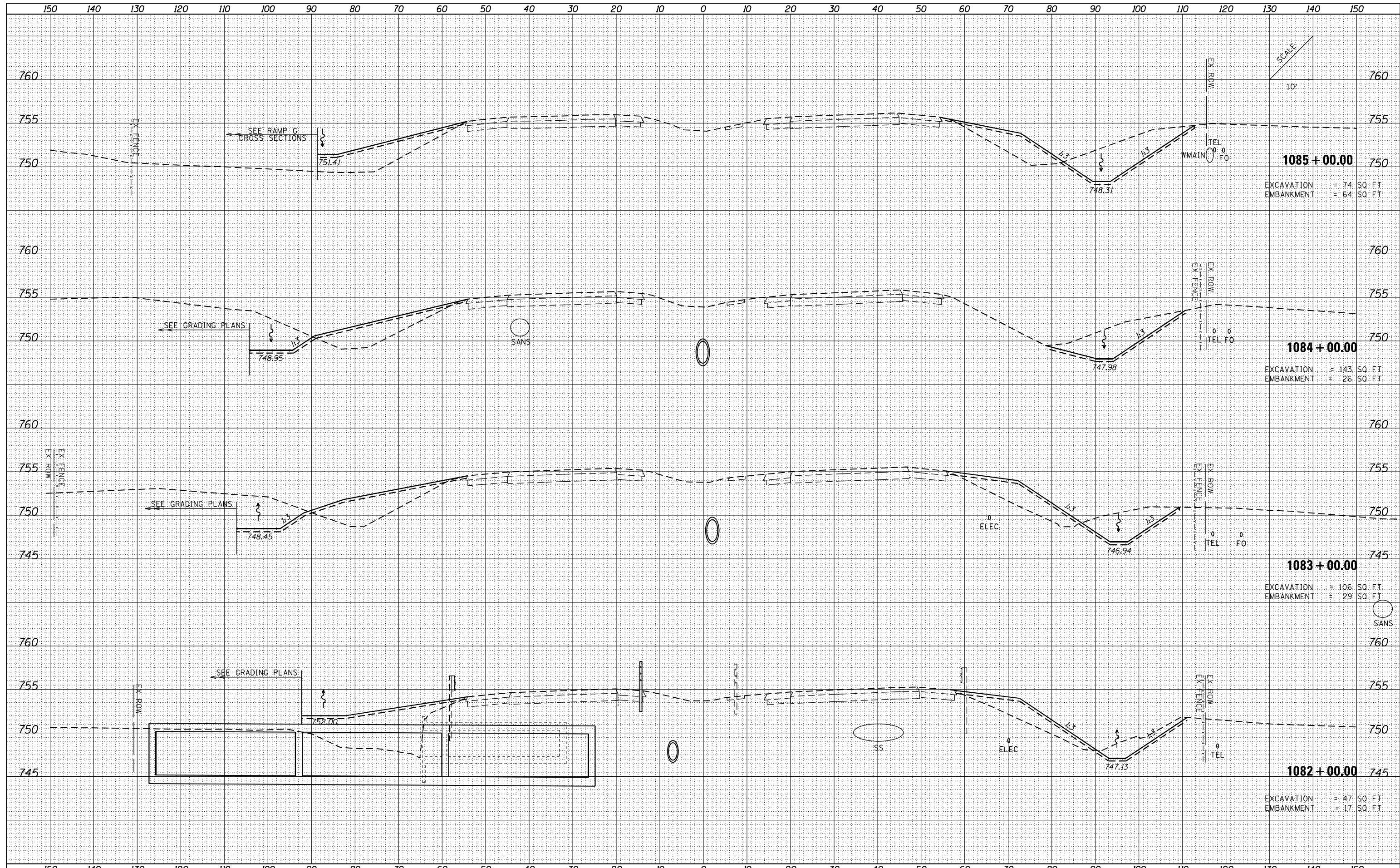
**CROSS SECTIONS
 I-74**

SCALE: SHEET OF SHEETS STA. 1051+00.00 TO STA. 1052+00.00

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1087
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = ...VC-3\0570B99-sht-XSC I-74.dgn
 Default

USER NAME = Matt Overbey
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 3/18/2021 - 2:36:57 PM

DESIGNED - CWW
 DRAWN - CWW
 CHECKED - MJO/SPH
 DATE - MARCH 2021

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

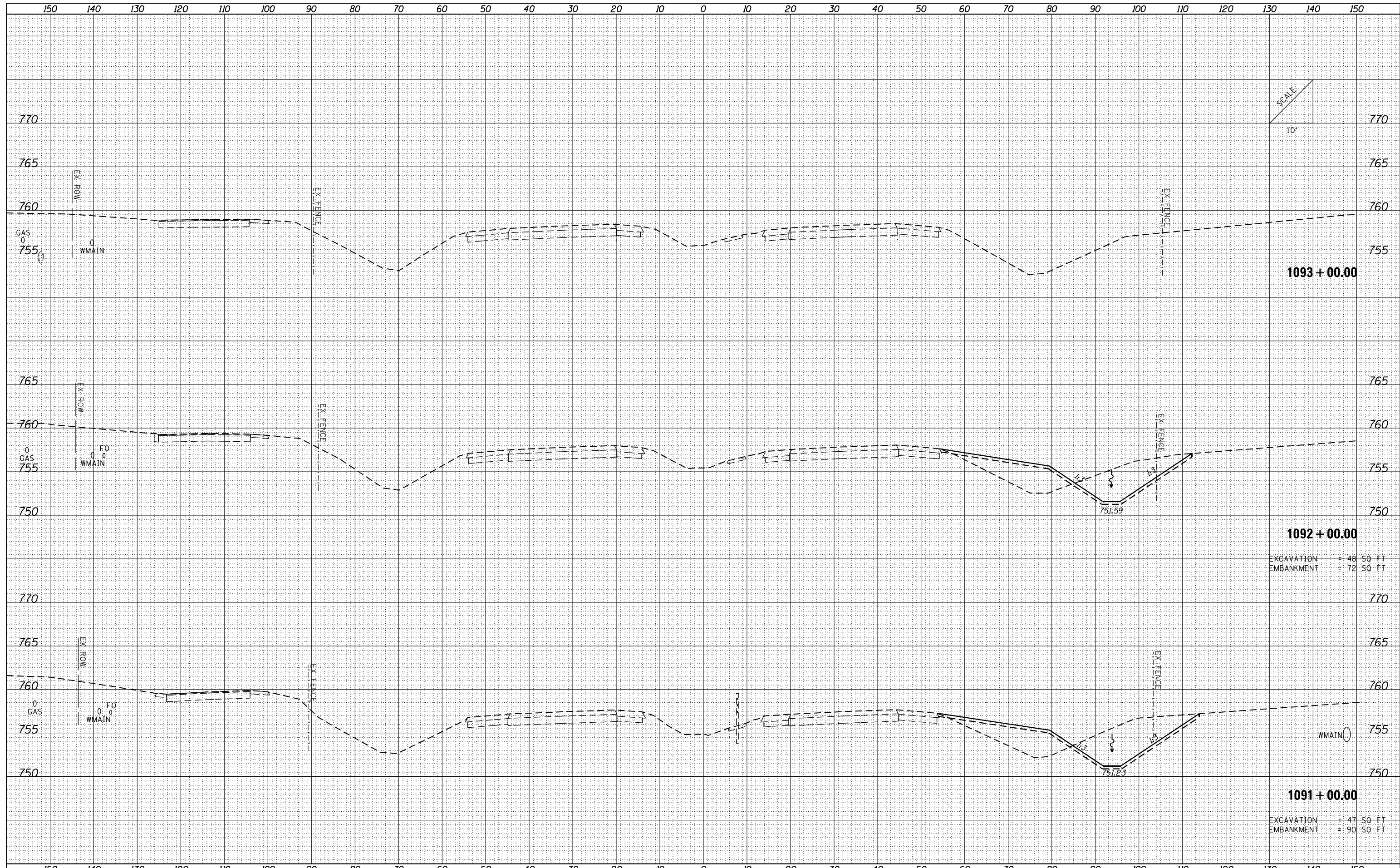
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 I-74**
 SCALE: SHEET OF SHEETS STA. 1082+00.00 TO STA. 1085+00.00

F.A.I. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1089
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



1093 + 00.00

1092 + 00.00

EXCAVATION = 48 SQ FT
EMBANKMENT = 72 SQ FT

1091 + 00.00

EXCAVATION = 47 SQ FT
EMBANKMENT = 90 SQ FT

FILE NAME = ...VC-3\0570B99-sht-XSC I-74.dgn

USER NAME = Matt Overbey
DESIGNED - CWW
DRAWN - CWW
CHECKED - MJO/SPH
DATE - MARCH 2021

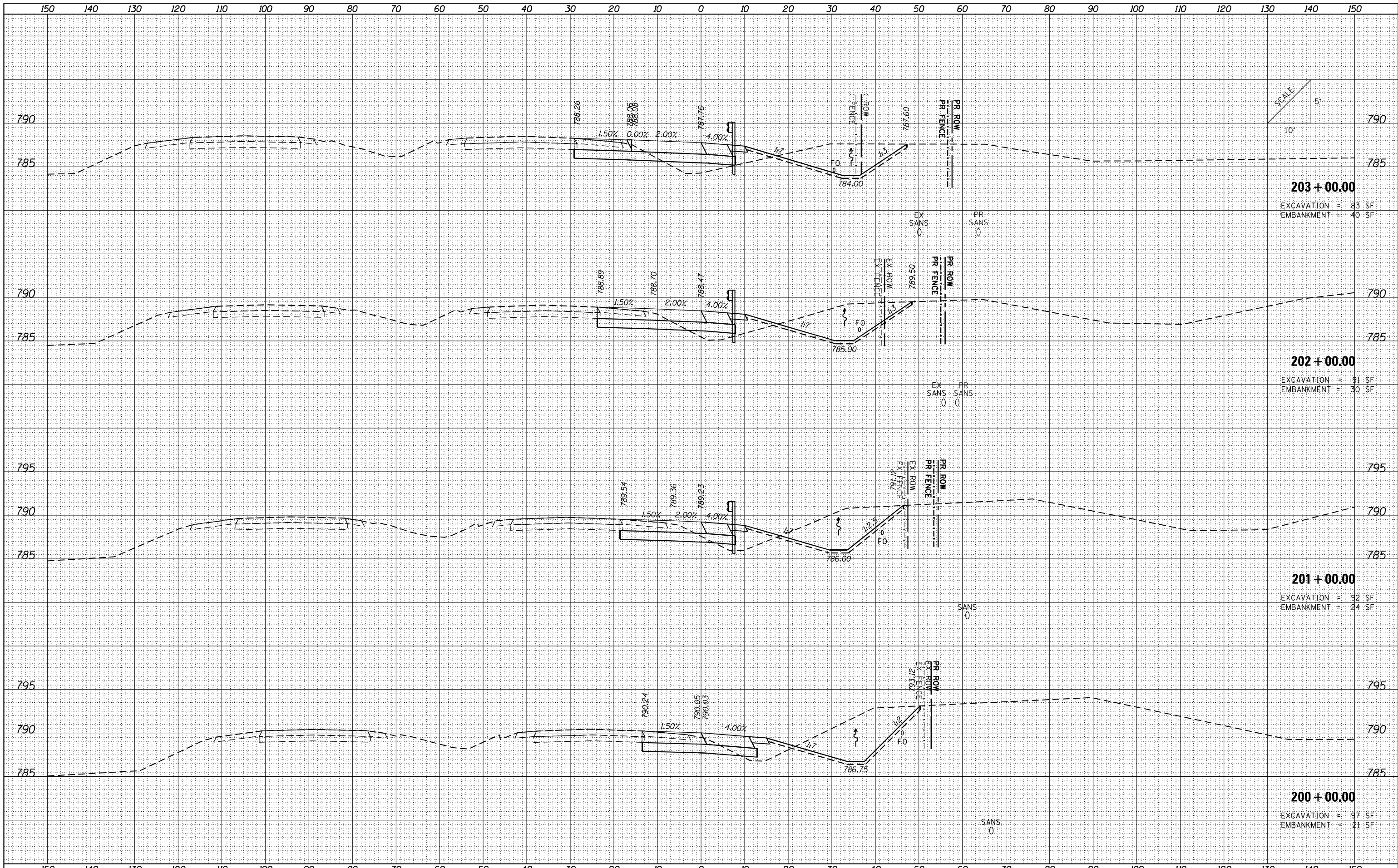
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
I-74

SCALE: SHEET OF SHEETS STA. 1091+00.00 TO STA. 1093+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1090
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	



DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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

FILE NAME = ...VC-3\0570B99-sht-XSC Ramp B.dgn
 Default

USER NAME = Matt Overbey
 DESIGNED - CWW
 DRAWN - CWW
 CHECKED - MJO/SPH
 DATE - MARCH 2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

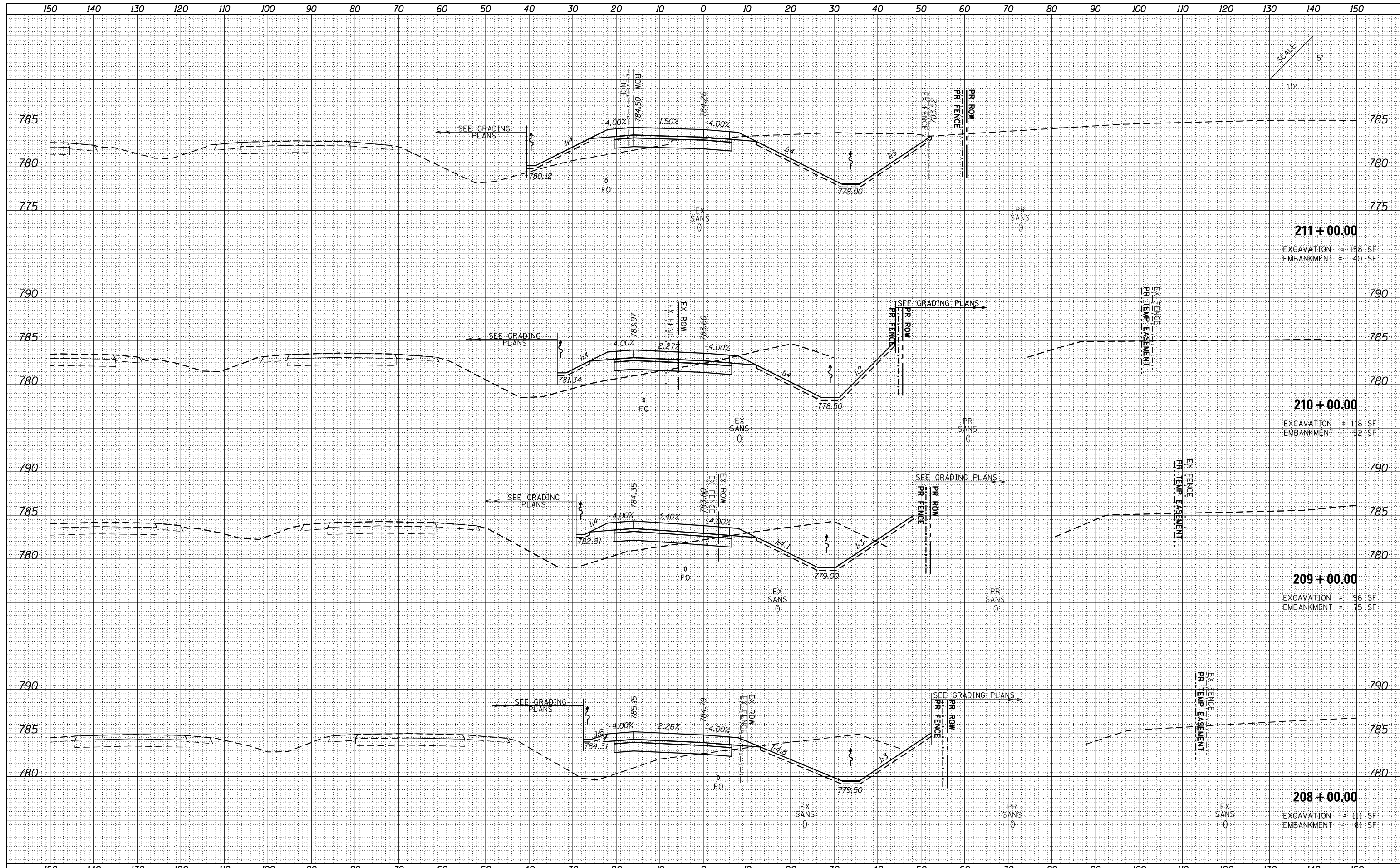
**CROSS SECTIONS
 RAMP B**

SCALE: SHEET OF SHEETS STA. 200+00.00 TO STA. 203+00.00

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1091
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



211 + 00.00
 EXCAVATION = 158 SF
 EMBANKMENT = 40 SF

210 + 00.00
 EXCAVATION = 118 SF
 EMBANKMENT = 52 SF

209 + 00.00
 EXCAVATION = 96 SF
 EMBANKMENT = 75 SF

208 + 00.00
 EXCAVATION = 111 SF
 EMBANKMENT = 81 SF

FILE NAME = ...VC-3\0570B99-sht-XSC Ramp B.dgn
 Default

USER NAME = Matt Overbey	DESIGNED - CWW	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - CWW	REVISED -
PLOT DATE = 3/18/2021 - 2:37:32 PM	CHECKED - MJO/SPH	REVISED -
	DATE - MARCH 2021	REVISED -

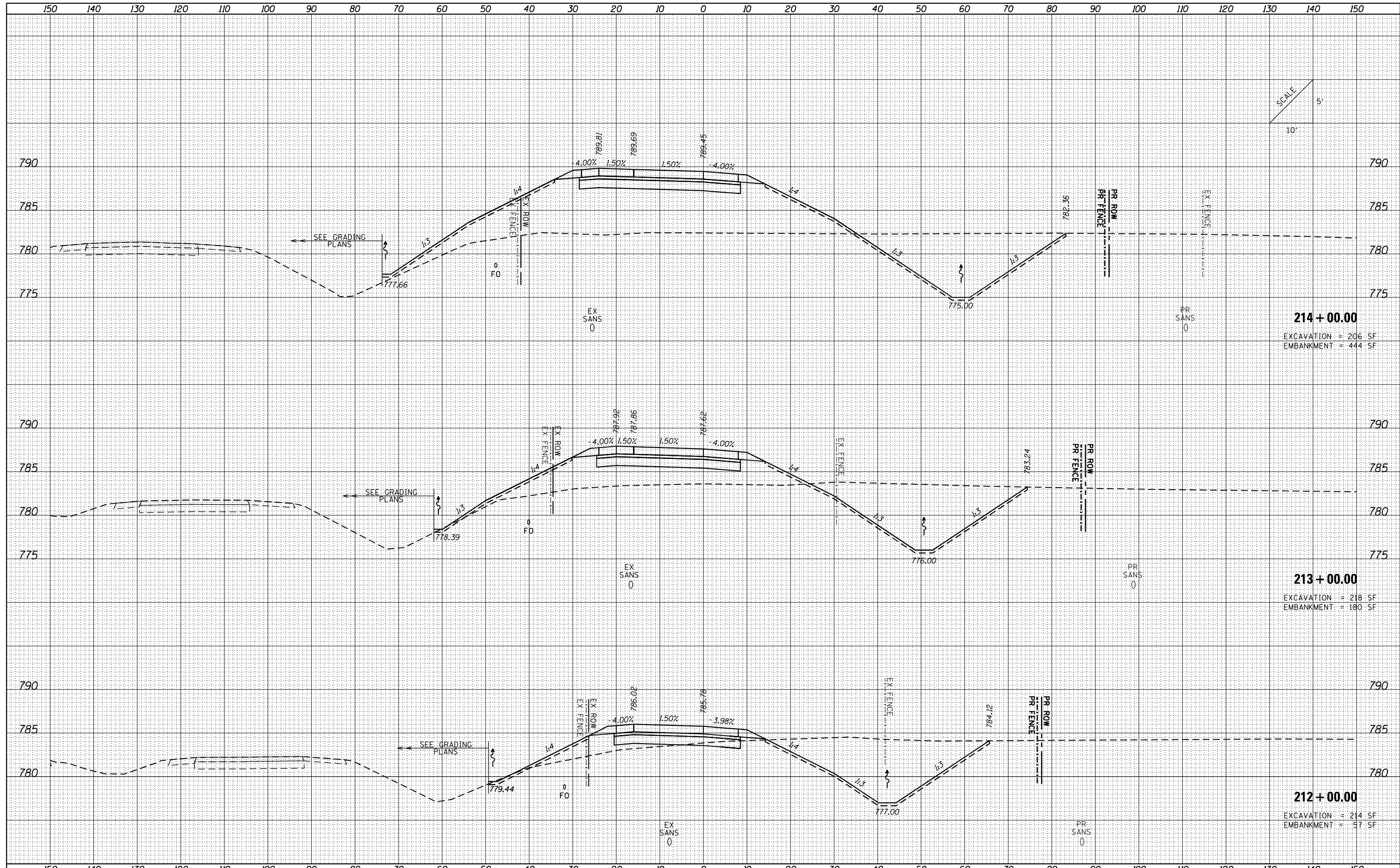
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS RAMP B			
SCALE:	SHEET	OF	SHEETS
			STA. 208+00.00 TO STA. 211+00.00

F.A.I. RTE. 57&74	SECTION (10-34-1) HBK	COUNTY CHAMPAIGN	TOTAL SHEETS 1187	SHEET NO. 1093
			CONTRACT NO. 70B99	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



214 + 00.00
 EXCAVATION = 206 SF
 EMBANKMENT = 444 SF

213 + 00.00
 EXCAVATION = 218 SF
 EMBANKMENT = 180 SF

212 + 00.00
 EXCAVATION = 214 SF
 EMBANKMENT = 57 SF

FILE NAME = ...C-3\0570B99-sht-XSC Ramp B.dgn
 Default

USER NAME = Matt Overbey
 DESIGNED - CWW
 DRAWN - CWW
 CHECKED - MJO/SPH
 DATE - MARCH 2021

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

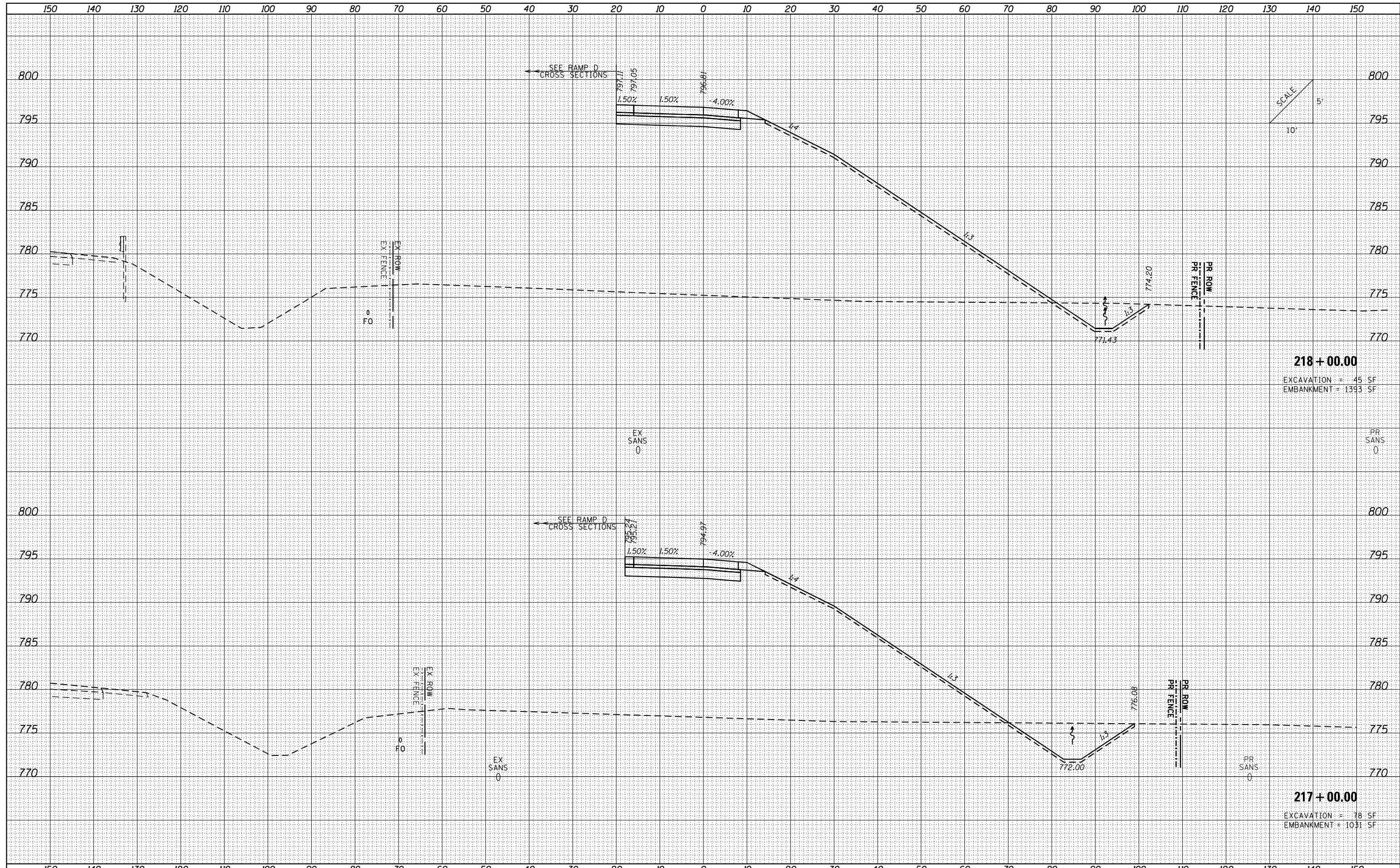
**CROSS SECTIONS
 RAMP B**

SCALE: SHEET OF SHEETS STA. 212+00.00 TO STA. 214+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1094
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



218 + 00.00
 EXCAVATION = 45 SF
 EMBANKMENT = 1393 SF

217 + 00.00
 EXCAVATION = 78 SF
 EMBANKMENT = 1031 SF

FILE NAME = ...VC-3\0570B99-sht-XSC Ramp B.dgn

USER NAME = Matt Overbey	DESIGNED - CWW	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - CWW	REVISED -
PLOT DATE = 3/18/2021 - 2:37:33 PM	CHECKED - MJO/SPH	REVISED -
	DATE - MARCH 2021	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 RAMP B**

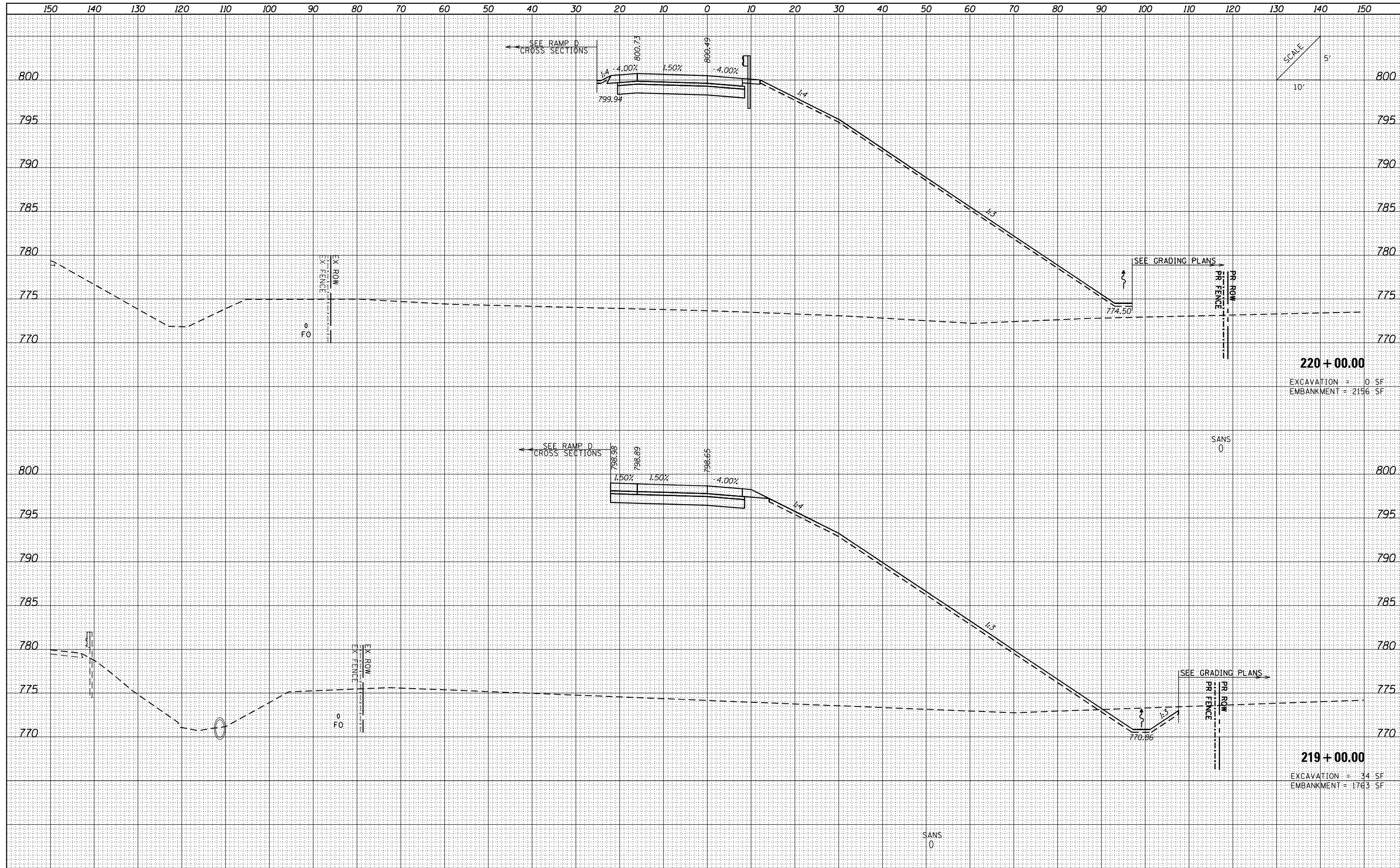
SCALE: SHEET OF SHEETS STA. 217+00.00 TO STA. 218+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1096
CONTRACT NO. 70B99				

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



FILE NAME = ...VC-3\0570B99-sht-XSC Ramp B.dgn
 Default

USER NAME = Matt Overbey	DESIGNED - CWW	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - CWW	REVISED -
PLOT DATE = 3/18/2021 - 2:37:33 PM	CHECKED - MJO/SPH	REVISED -
	DATE - MARCH 2021	REVISED -

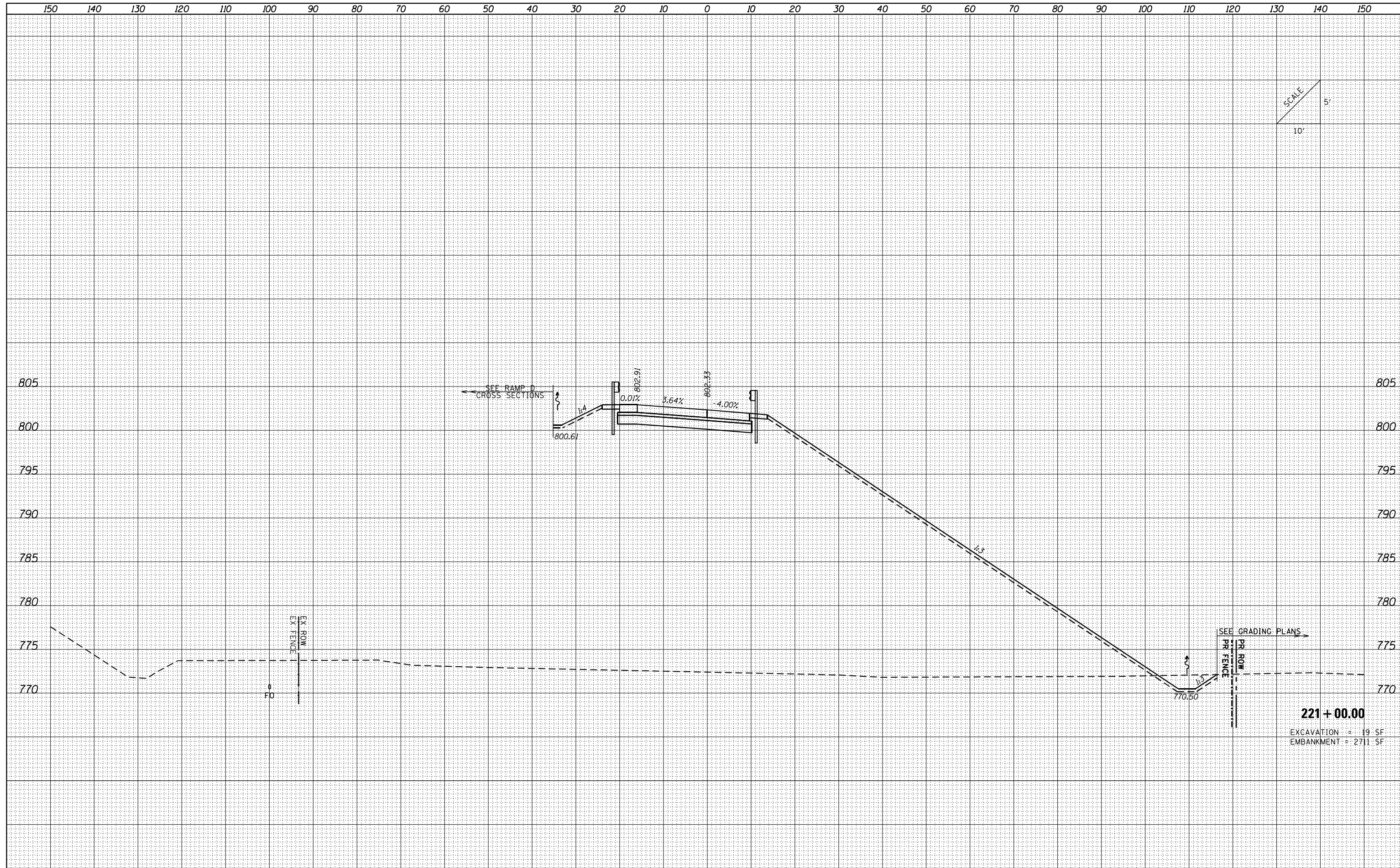
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS RAMP B			
SCALE:	SHEET	OF SHEETS	STA. 219+00.00 TO STA. 220+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1097
CONTRACT NO. 70B99			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



SCALE
10'
5'

FILE NAME = ...VC-3\0570B99-sht-XSC Ramp B.dgn
Default

USER NAME = Matt Overbey	DESIGNED - CWW	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - CWW	REVISED -
PLOT DATE = 3/18/2021 - 2:37:33 PM	CHECKED - MJO/SPH	REVISED -
	DATE - MARCH 2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS RAMP B			
SCALE:	SHEET	OF	SHEETS
		STA. 221+00.00	TO STA. 221+00.00

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	(10-34-1) HBK	CHAMPAIGN	1187	1098
			CONTRACT NO.	70B99
ILLINOIS FED. AID PROJECT				

221 + 00.00
EXCAVATION = 19 SF
EMBANKMENT = 2711 SF

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

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



222 + 00.00
 EXCAVATION = 87 SF
 EMBANKMENT = 3097 SF

FILE NAME =	USER NAME = Matt Overbey	DESIGNED - CWW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS RAMP B				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...VC-3\0570B99-sht-XSC Ramp B.dgn		DRAWN - CWW	REVISED -		57&74	(10-34-1) HBK	CHAMPAIGN	1187	1099				
Default	PLOT SCALE = 20.0000' / in.	CHECKED - MJO/SPH	REVISED -		SCALE: SHEET OF SHEETS STA. 222+00.00 TO STA. 222+00.00				CONTRACT NO. 70B99				
	PLOT DATE = 3/18/2021 - 2:37:34 PM	DATE - MARCH 2021	REVISED -		ILLINOIS FED. AID PROJECT								

