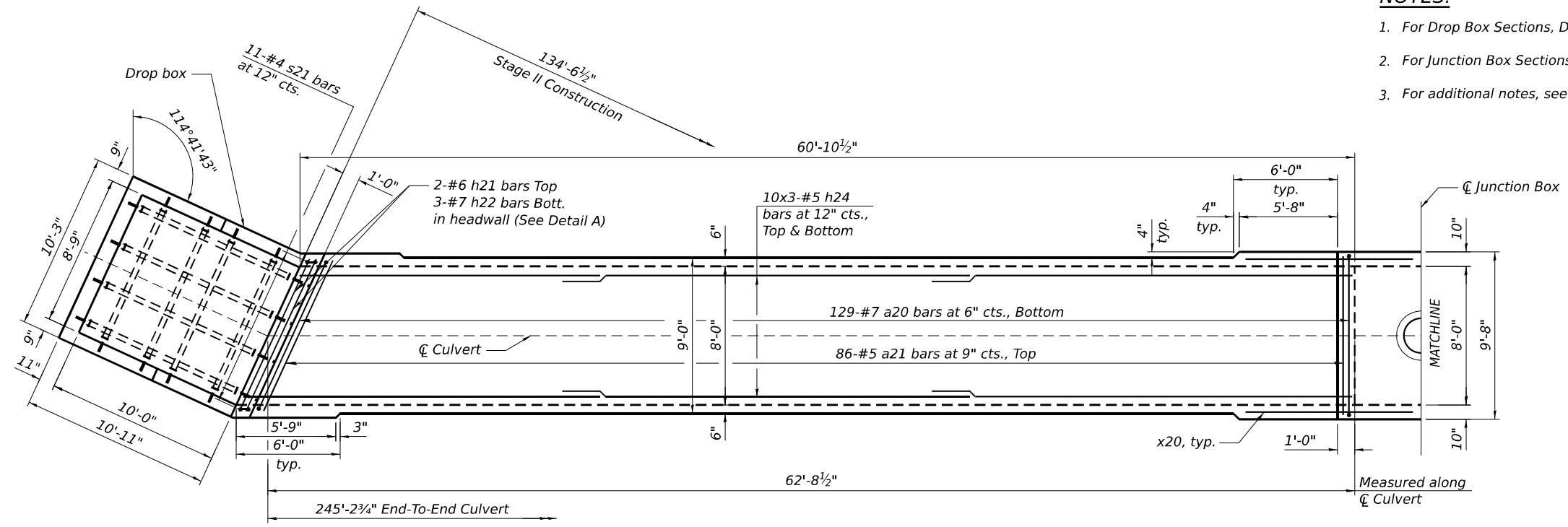


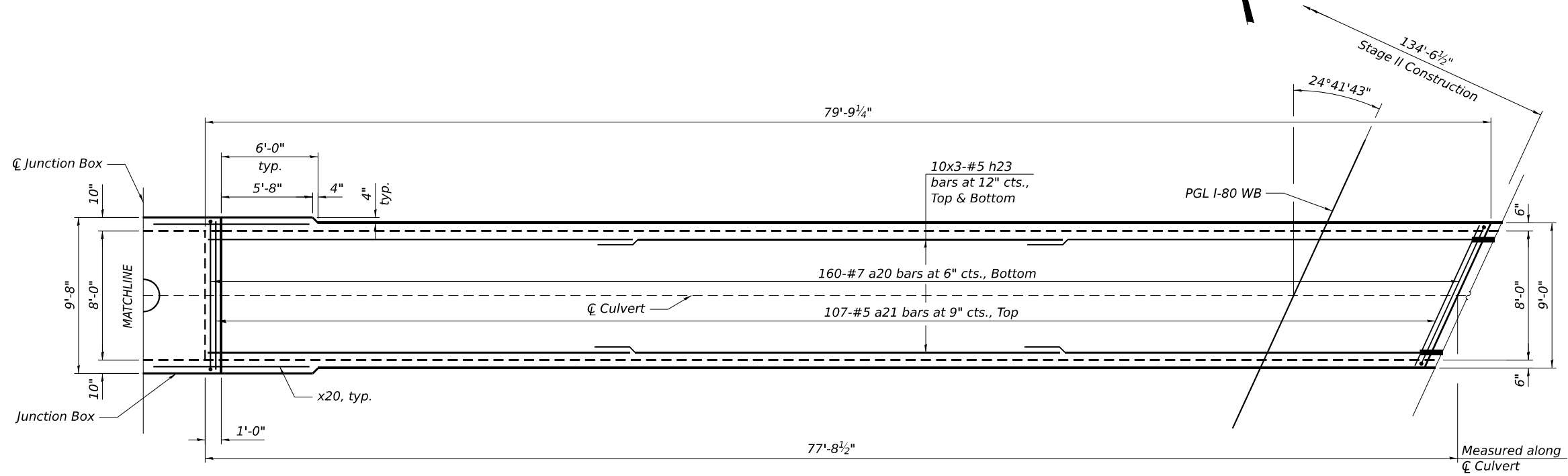
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NOTES:

1. For Drop Box Sections, Details, and reinforcement, see Sheets S2-11 and S2-12.
2. For Junction Box Sections, Details, and reinforcement, see Sheet S2-10.
3. For additional notes, see Sheet S2-05.



PARTIAL TOP SLAB REINFORCEMENT - STAGE II



PARTIAL TOP SLAB REINFORCEMENT - STAGE II



USER NAME =	DESIGNED - JJS, SK, HI	REVISED -
PLOT SCALE =	CHECKED - MI, LAB	REVISED -
PLOT DATE =	DRAWN - EBK, HI	REVISED -
	CHECKED - MI, LAB	REVISED -

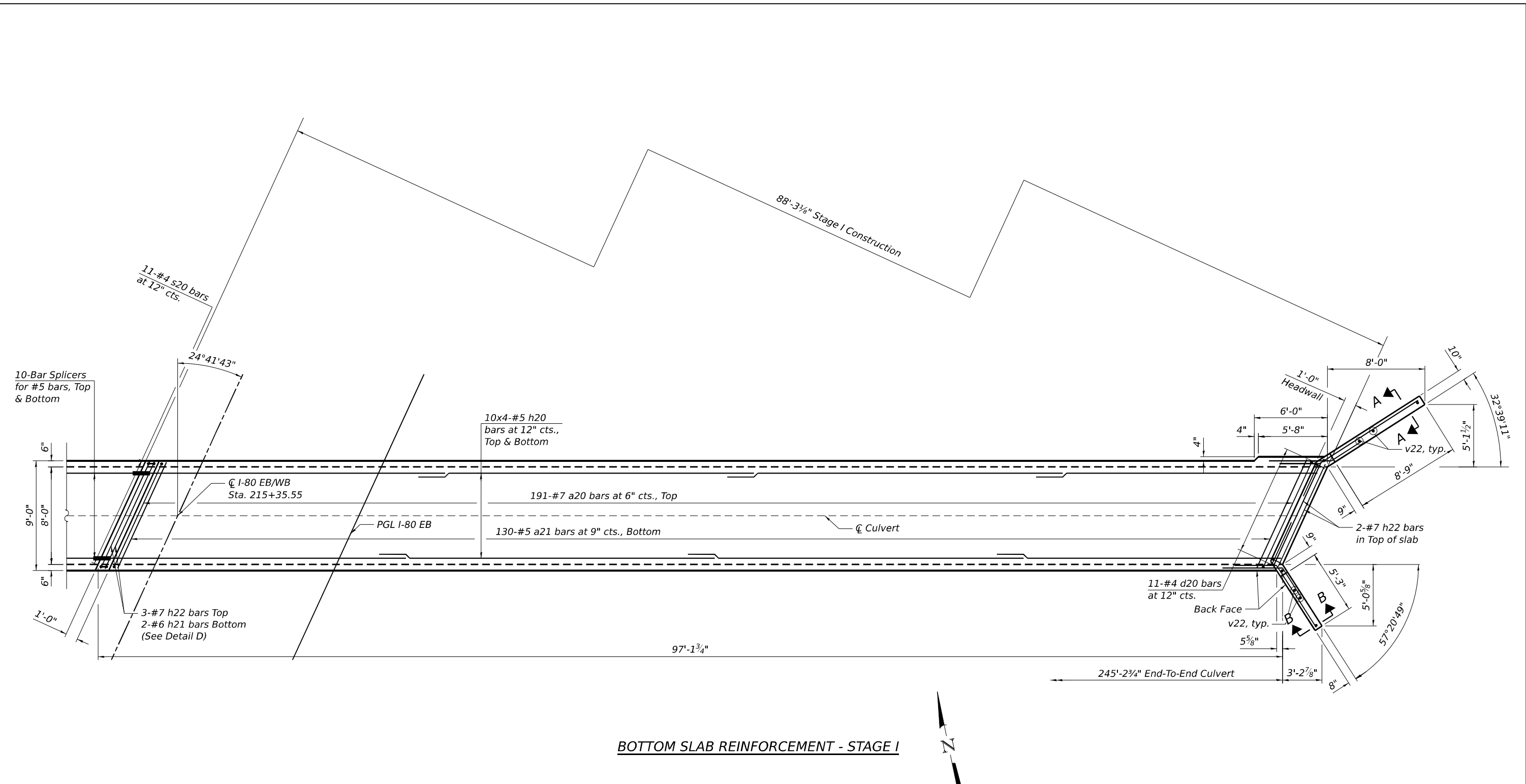
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT PLAN TOP SLAB DETAILS (SHEET 2 OF 2)
 STRUCTURE NO. 099-8343

SHEET S2-06 OF S2-16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	301
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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BOTTOM SLAB REINFORCEMENT - STAGE I

- NOTE:**
1. For Sections A-A and B-B, see Sheet S2-13.
 2. For Detail D, See Sheet S2-09.



USER NAME =	DESIGNED - JJS, SK, HI	REVISED -
PLOT SCALE =	CHECKED - MI, LAB	REVISED -
PLOT DATE =	DRAWN - EBK, HI	REVISED -
	CHECKED - MI, LAB	REVISED -

**STATE OF ILLINOIS
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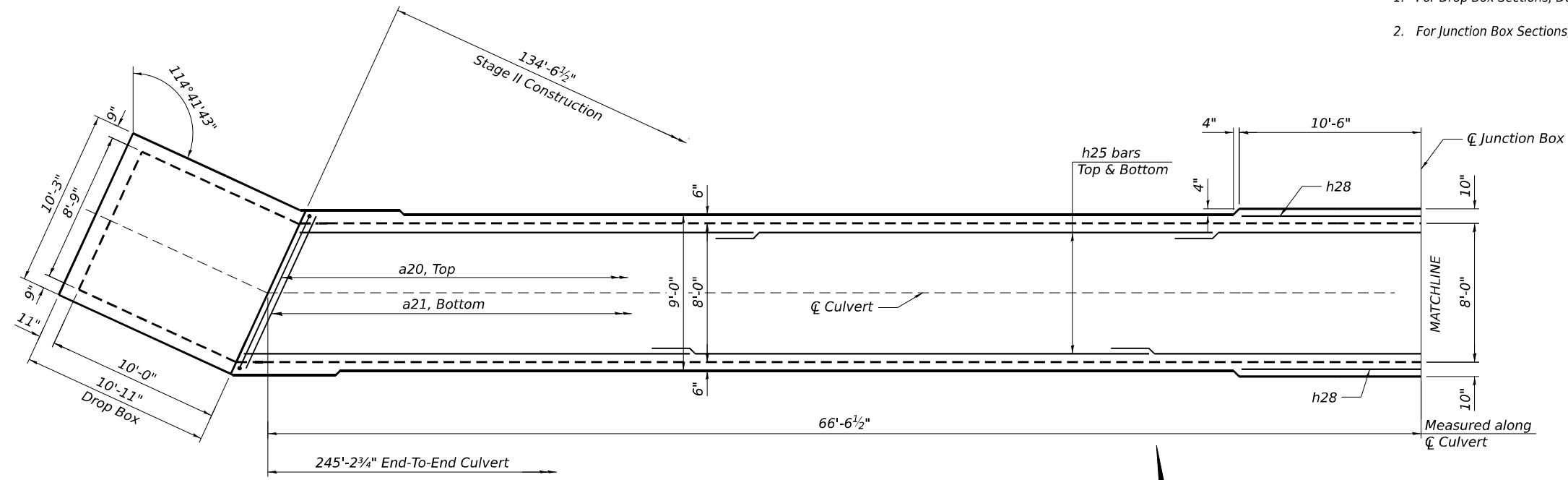
**CULVERT PLAN BOTTOM SLAB DETAILS (SHEET 1 OF 2)
 STRUCTURE NO. 099-8343**

SHEET S2-07 OF S2-16 SHEETS

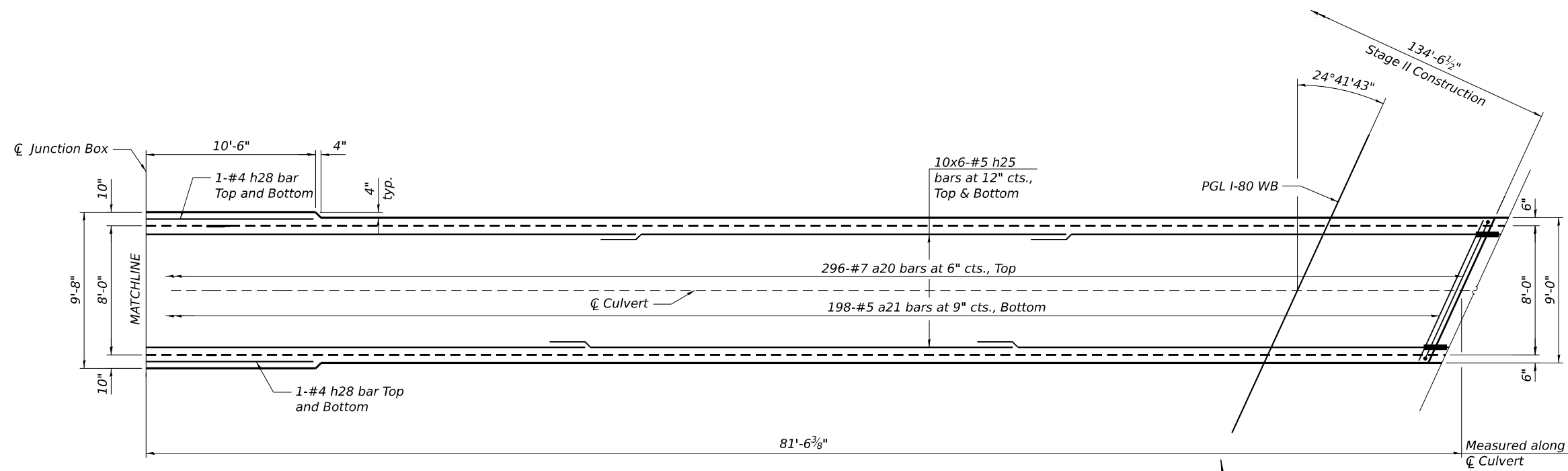
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	302
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

NOTES:

1. For Drop Box Sections, Details, and reinforcement, see Sheets S2-11 and S2-12.
2. For Junction Box Sections, Details, and reinforcement, see Sheet S2-10.



PARTIAL BOTTOM SLAB REINFORCEMENT - STAGE II



PARTIAL BOTTOM SLAB REINFORCEMENT - STAGE II

MODEL: Default
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USER NAME =	DESIGNED - JJS, SK, HI	REVISED -
PLOT SCALE =	CHECKED - MI, LAB	REVISED -
PLOT DATE =	DRAWN - EBK, HI	REVISED -
	CHECKED - MI, LAB	REVISED -

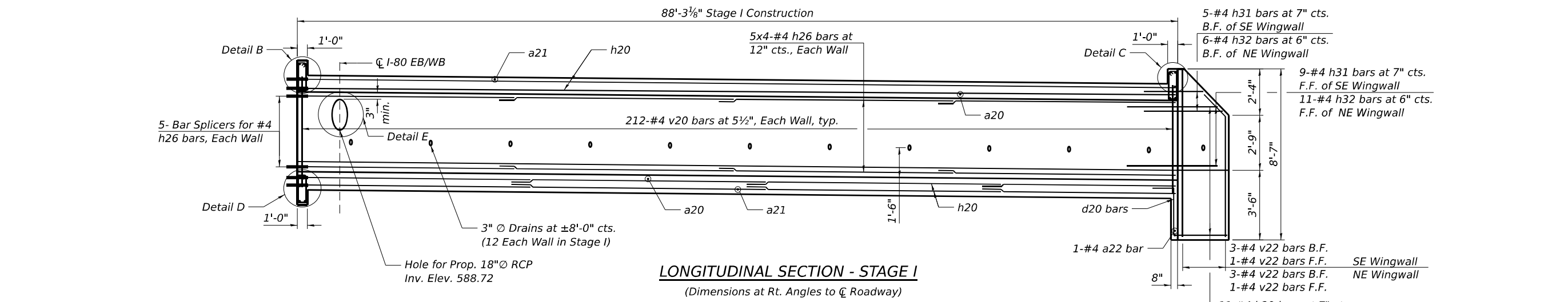
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT PLAN BOTTOM SLAB DETAILS (SHEET 2 OF 2)
 STRUCTURE NO. 099-8343

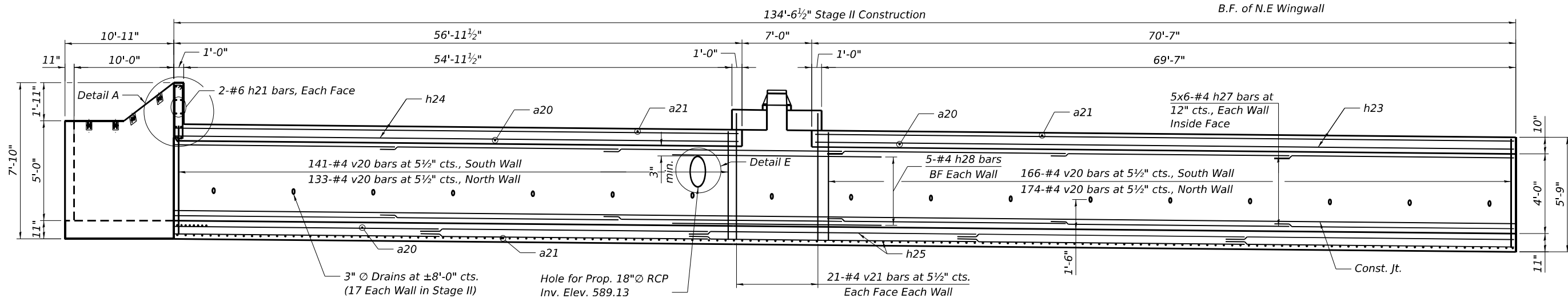
SHEET S2-08 OF S2-16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

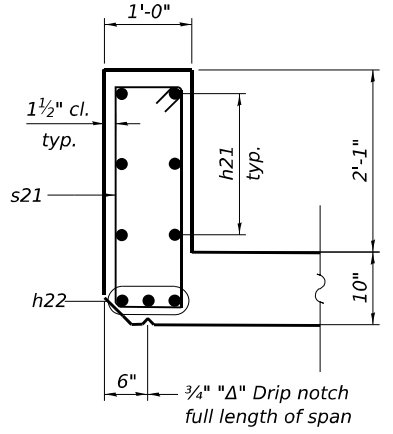
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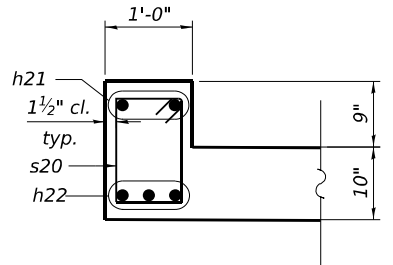
LONGITUDINAL SECTION - STAGE I
 (Dimensions at Rt. Angles to C Roadway)



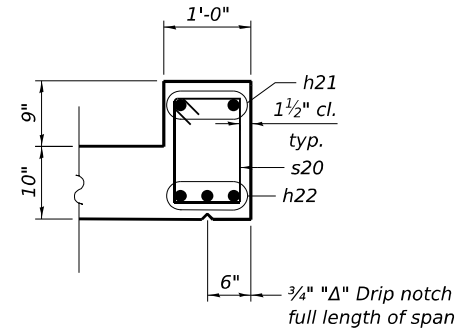
LONGITUDINAL SECTION - STAGE II
 (Reinforcement in top slab of junction box omitted for clarity)
 (Dimensions at Rt. Angles to C Roadway)



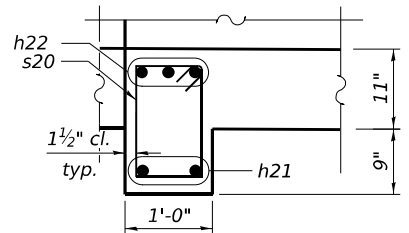
DETAIL A
 UPSTREAM
 (Reinforcement in top slab omitted for clarity)



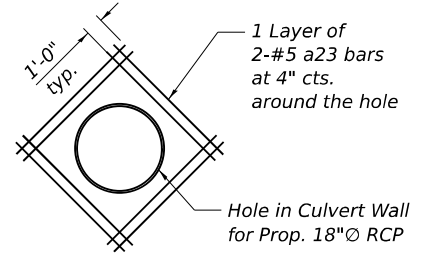
DETAIL B
 (At Stage Construction Line)
 (Reinforcement in top slab omitted for clarity)



DETAIL C
 DOWNSTREAM
 (Reinforcement in top slab omitted for clarity)



DETAIL D
 (At Stage Construction Line)
 (Reinforcement in bottom slab omitted for clarity)



DETAIL E
 Reinforcement around the Hole for Prop 18" RCP

- NOTES:**
- For additional Notes, see Sheet S2-05.
 - For Junction Box details, see Sheet S2-10.
 - For Drop Box Details, see Sheets S2-11 and S2-12.
 - For Section thru Barrel, wingwall sections, drain details, bar diagrams and Bill of Materials, see Sheet S2-13.



USER NAME =	DESIGNED - JJS, SK, HI	REVISED -
PLOT SCALE =	CHECKED - MI, LAB	REVISED -
PLOT DATE =	DRAWN - EBK, HI	REVISED -
	CHECKED - MI, LAB	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

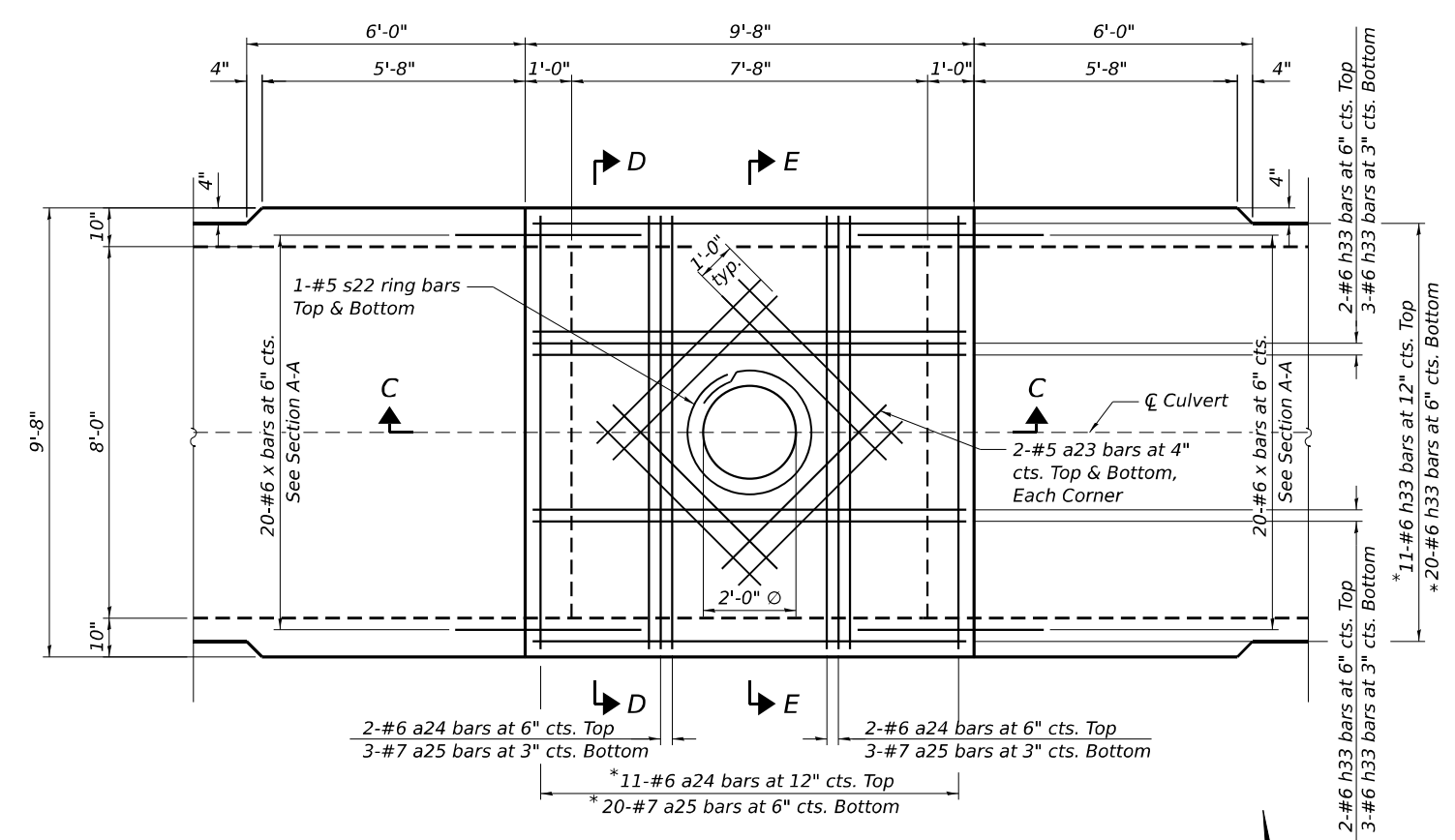
CULVERT SECTIONS AND DETAILS (SHEET 1 OF 5)
 STRUCTURE NO. 099-8343

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	304
CONTRACT NO. 62P71				

SHEET S2-09 OF S2-16 SHEETS

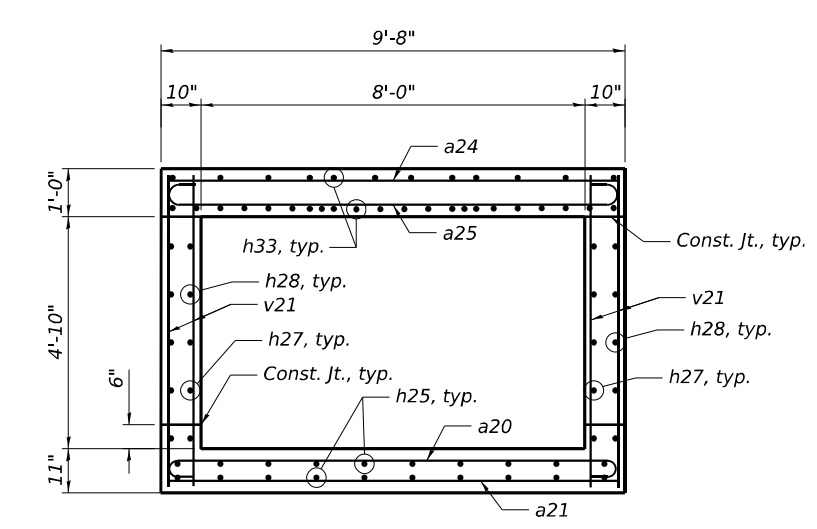
ILLINOIS FED. AID PROJECT

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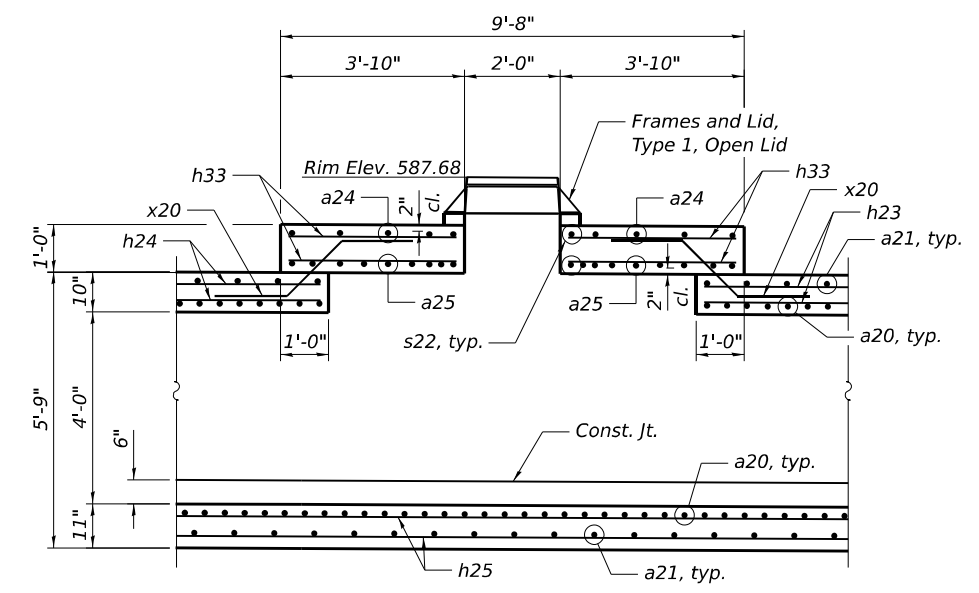


ROOF PLAN
 (Reinforcement in culvert omitted for clarity)

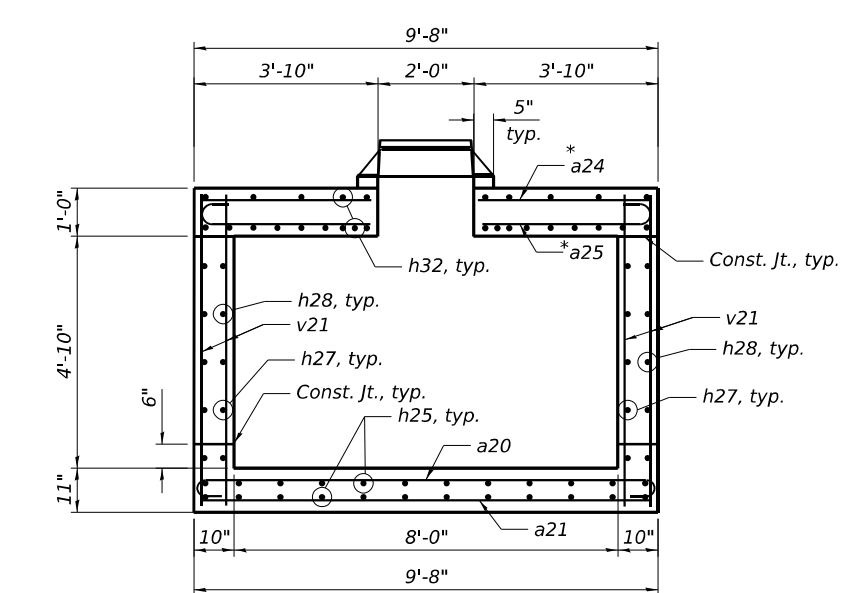
* Cut in field to fit



SECTION D-D



SECTION C-C



SECTION E-E



USER NAME =	DESIGNED - JJS, SK, HI	REVISED -
PLOT SCALE =	CHECKED - MI, LAB	REVISED -
PLOT DATE =	DRAWN - EBK, HI	REVISED -
	CHECKED - MI, LAB	REVISED -

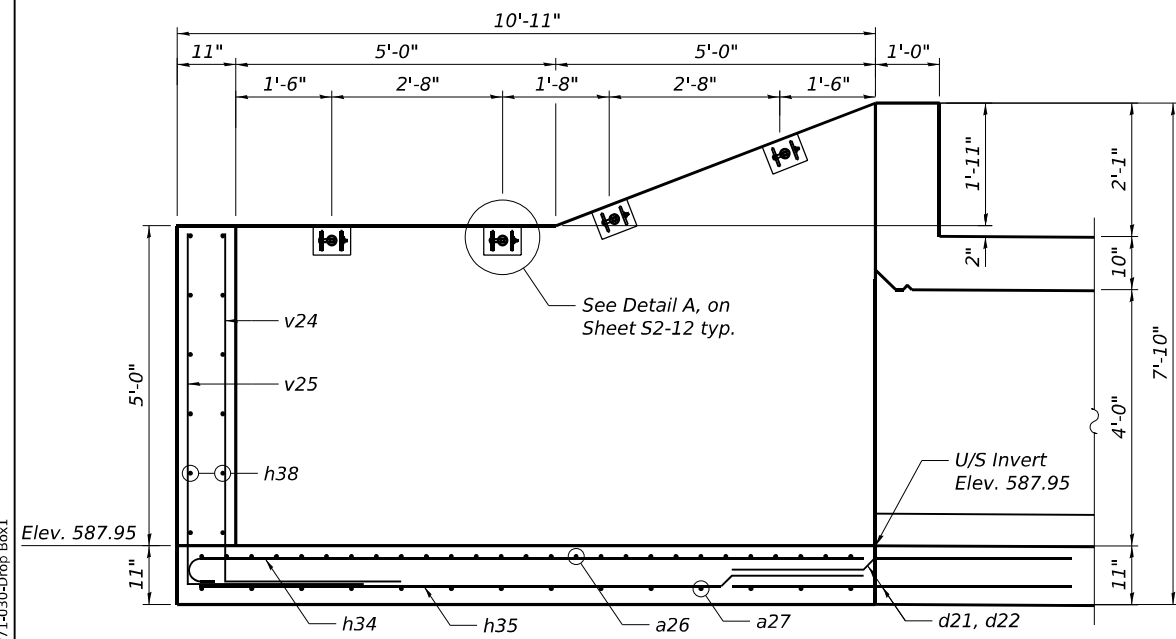
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CULVERT SECTIONS AND DETAILS (SHEET 2 OF 5)
 STRUCTURE NO. 099-8343**

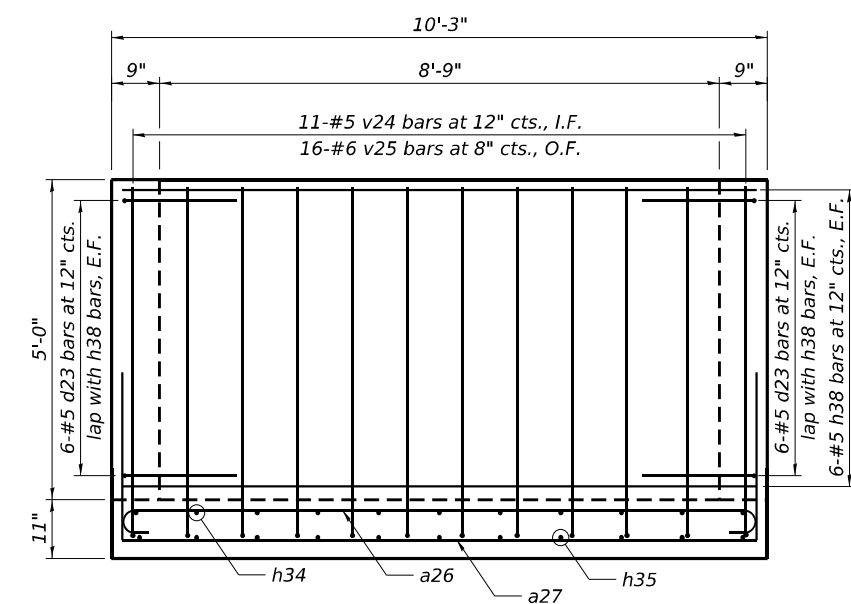
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

SHEET S2-10 OF S2-16 SHEETS

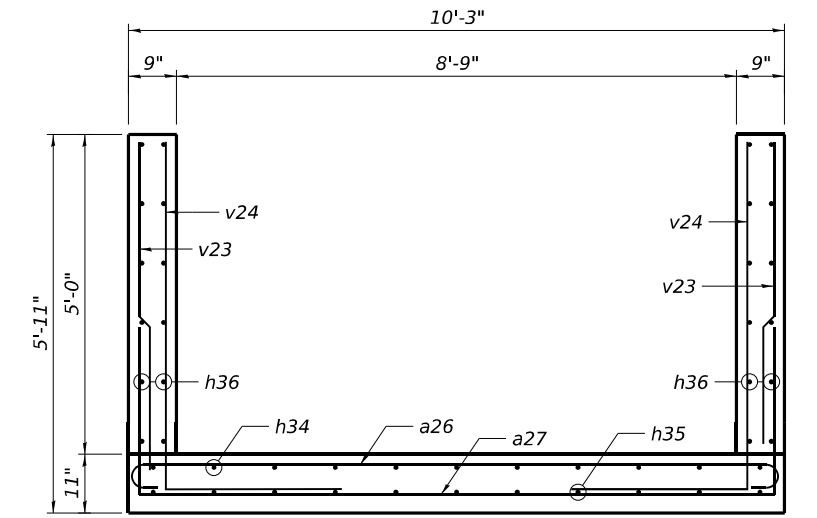
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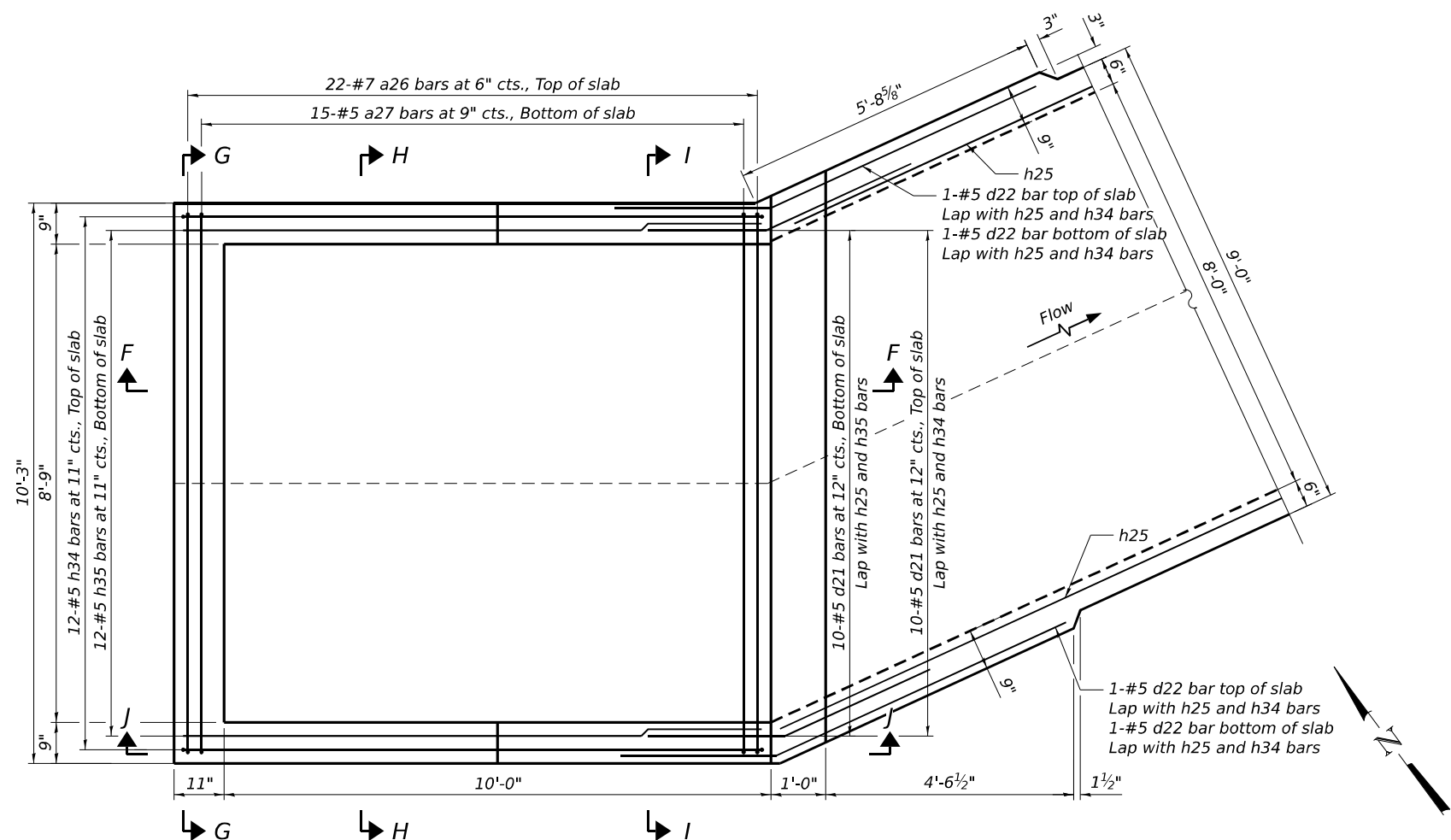
SECTION F-F



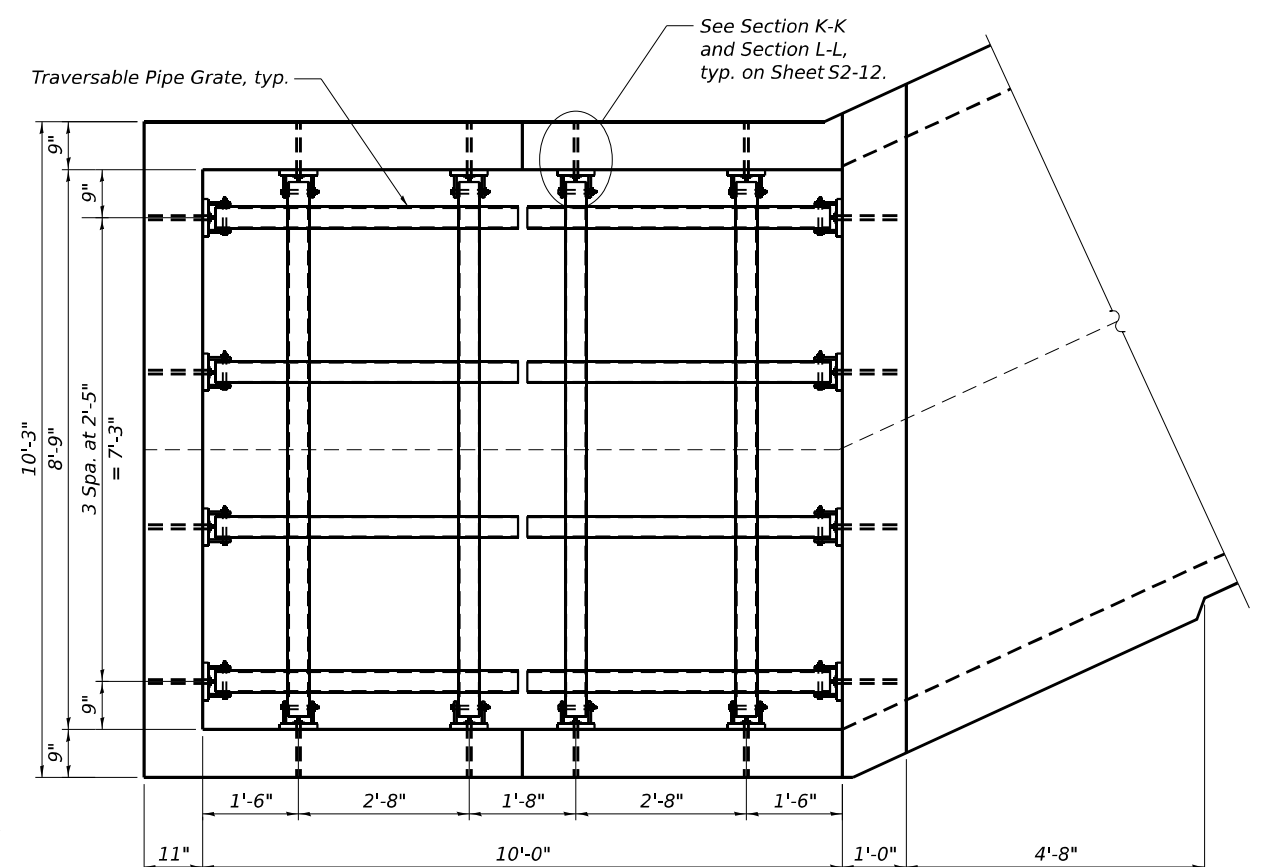
SECTION G-G



SECTION H-H



BOTTOM SLAB PLAN
 (Pipe Grate not shown for clarity)



PIPE GRATE PLAN
 (Reinforcement not shown for clarity)



USER NAME =	DESIGNED - JJS, EBK, HI	REVISED -
PLOT SCALE =	CHECKED - MI, LAB	REVISED -
PLOT DATE =	DRAWN - EBK, HI	REVISED -
	CHECKED - MI, LAB	REVISED -

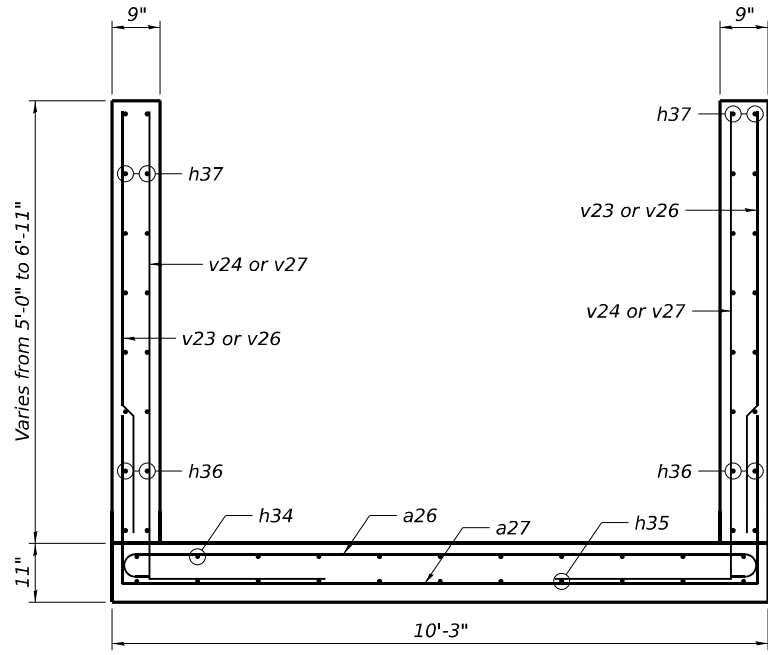
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CULVERT SECTIONS AND DETAILS (SHEET 3 OF 5)
 STRUCTURE NO. 099-8343**

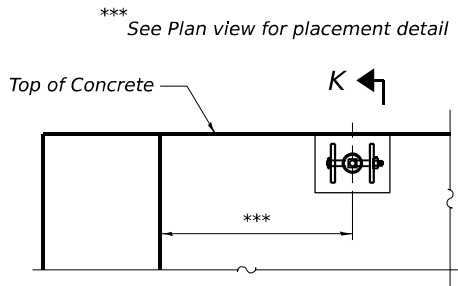
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	306
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

SHEET S2-11 OF S2-16 SHEETS

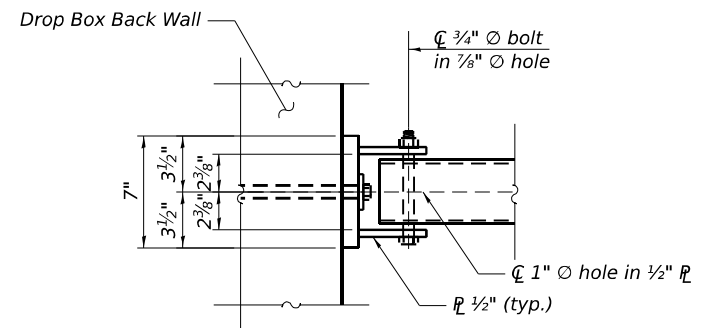
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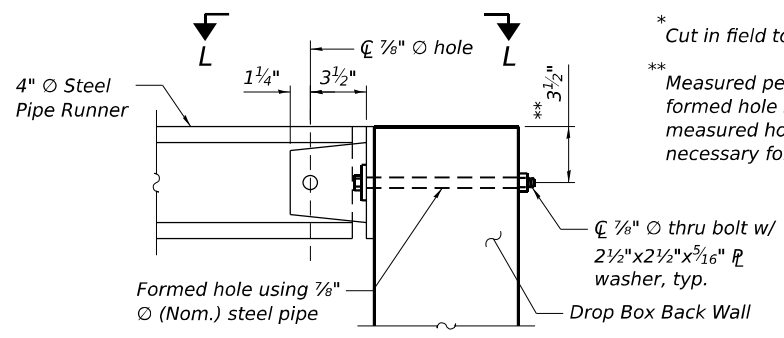
SECTION I-I



DETAIL A

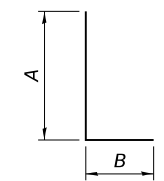


SECTION L-L



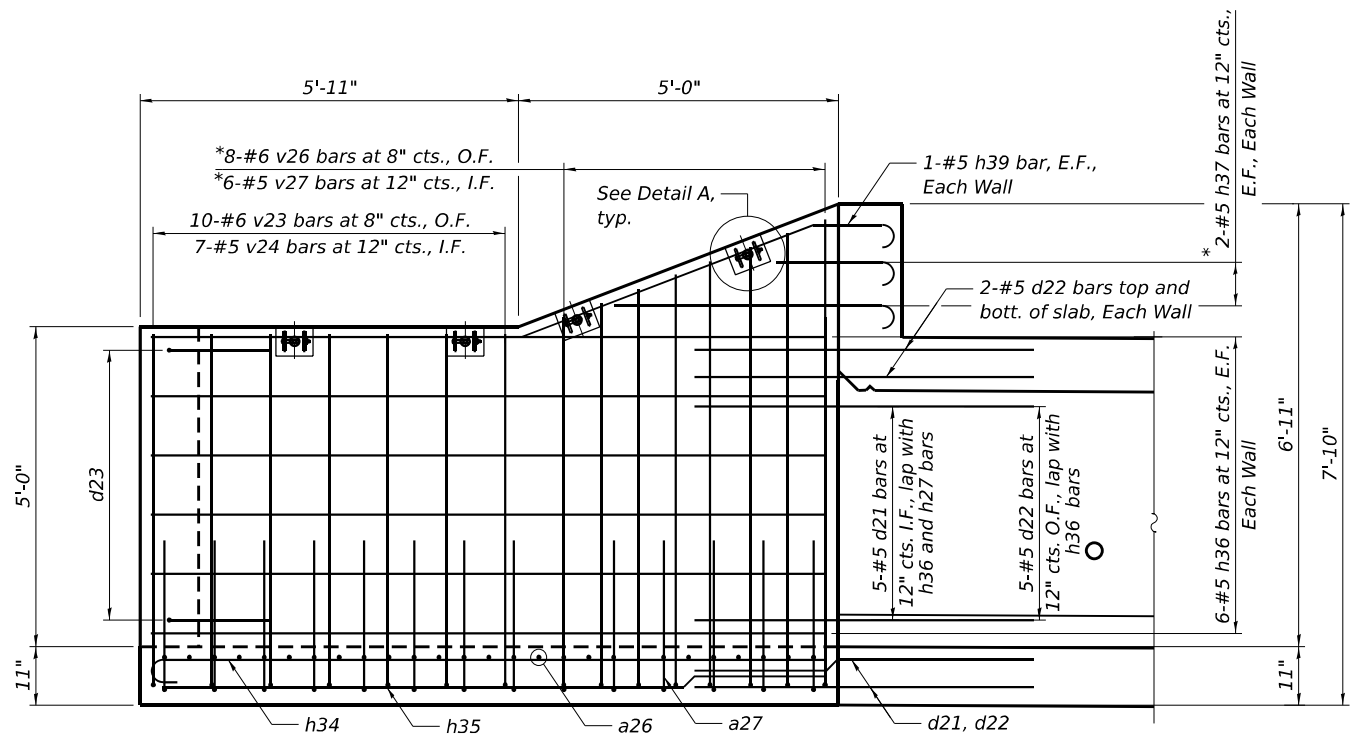
SECTION K-K

* Cut in field to fit.
 ** Measured perpendicular to top of wall. In addition, formed hole shall be located at a min. of 6" measured horizontally from any vertical joints necessary for construction of the culvert drop box.

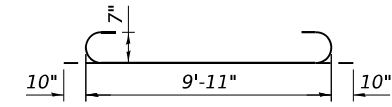


BARS
 See Table 1

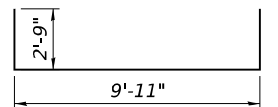
Bar	A	B
d23	2'-9"	2'-9"
v24	5'-6"	2'-9"
v25	5'-6"	2'-9"
v27	7'-5"	2'-9"



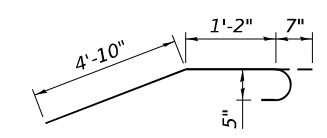
SECTION J-J



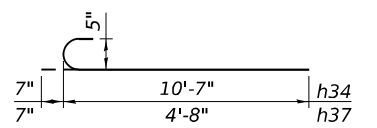
BAR a26



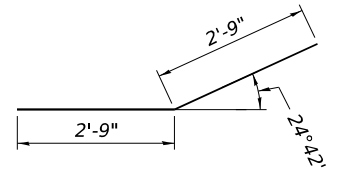
BAR a27



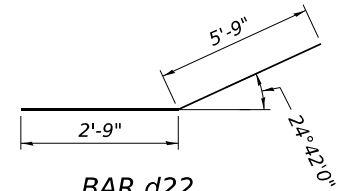
BAR h29



BARS h34 AND h37



BAR d21



BAR d22



USER NAME =	DESIGNED - JJS, EBK, HI	REVISED -
PLOT SCALE =	CHECKED - MI, LAB	REVISED -
PLOT DATE =	DRAWN - EBK, HI	REVISED -
	CHECKED - MI, LAB	REVISED -

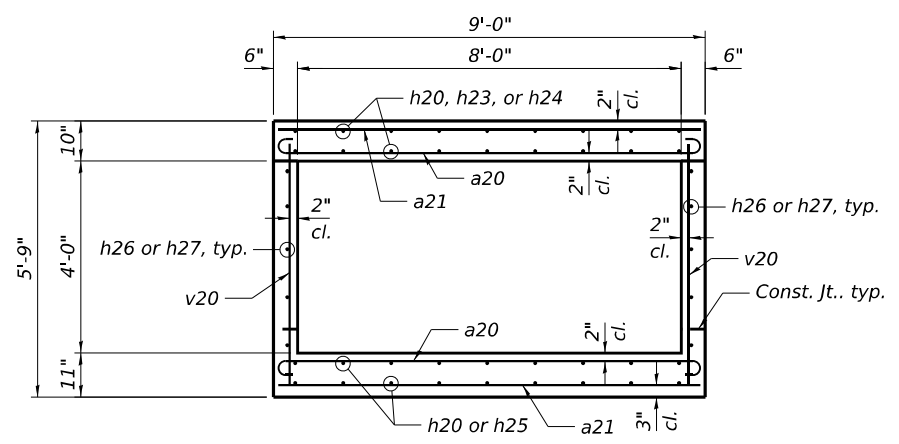
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS AND DETAILS (SHEET 4 OF 5)
 STRUCTURE NO. 099-8343

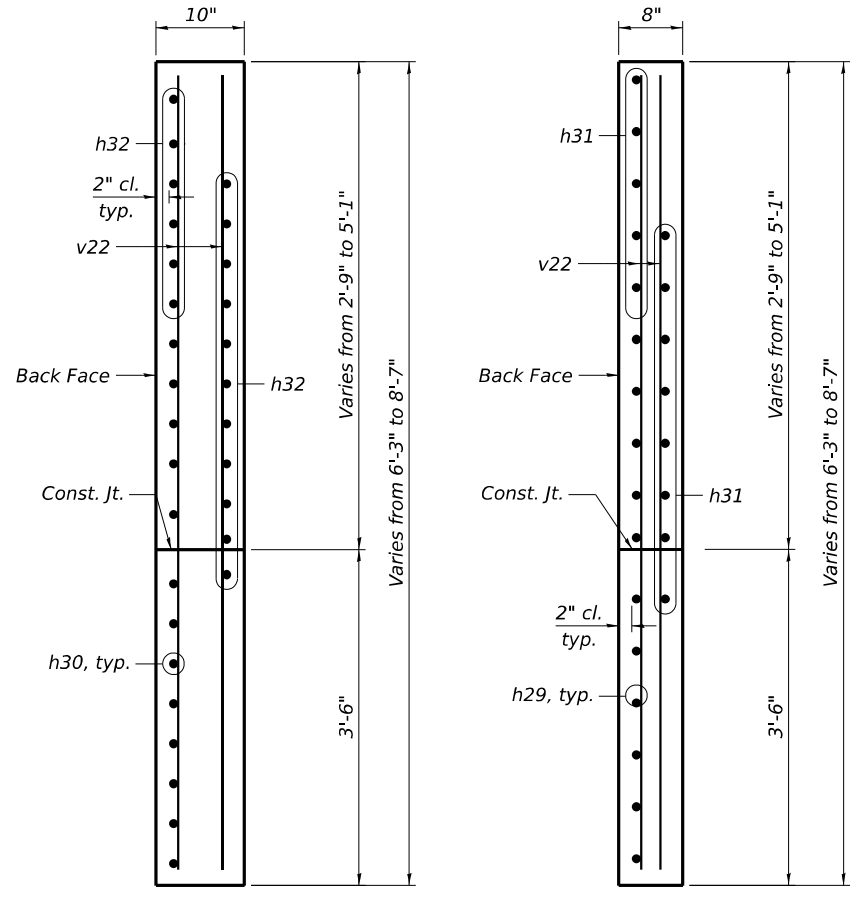
SHEET S2-12 OF S2-16 SHEETS

F.A.I. RTE. 80	SECTION 2021-151-B	COUNTY WILL	TOTAL SHEETS 477	SHEET NO. 307
			CONTRACT NO. 62P71	
		ILLINOIS FED. AID PROJECT		

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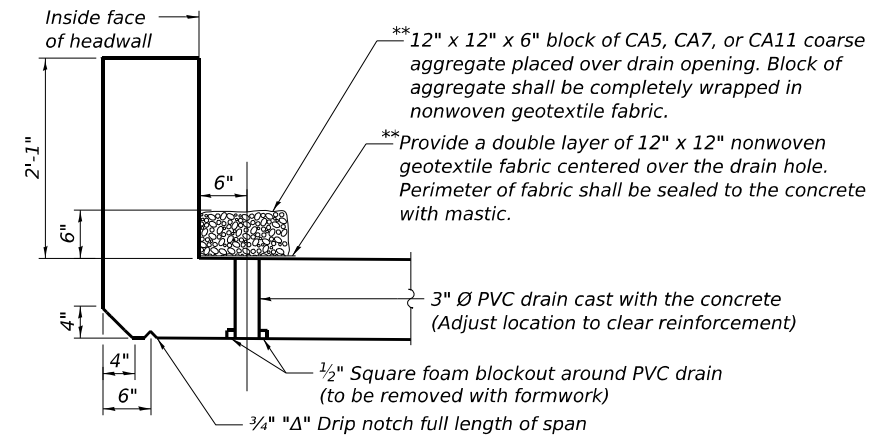
SECTION THRU BARREL



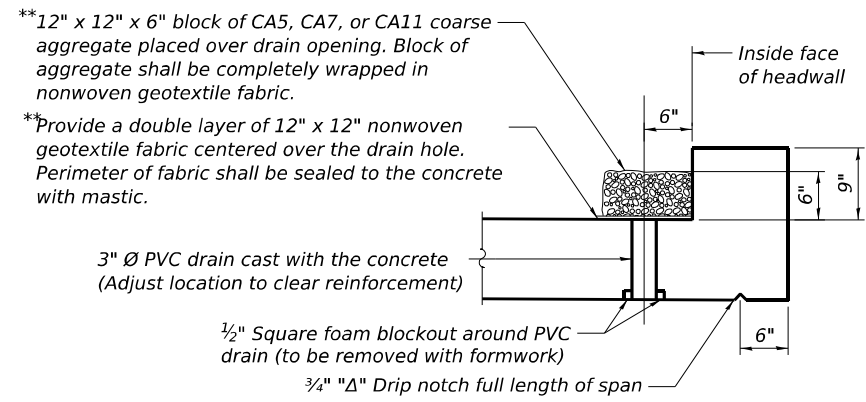
SECTION A-A

SECTION B-B

* Cost included in Concrete Box Culverts.
 ** 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.



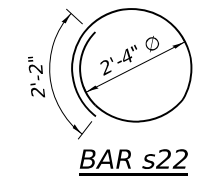
AT UPSTREAM END



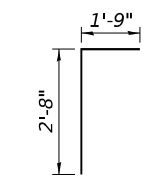
AT DOWNSTREAM END

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.)

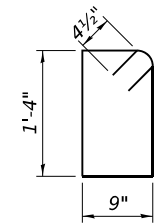
NOTE:
 1. For Notes, see Sheet S2-05.



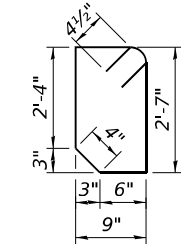
BAR s22



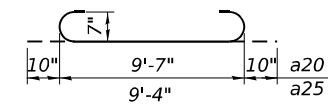
BAR d20



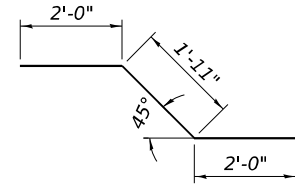
BARS s20



BAR s21



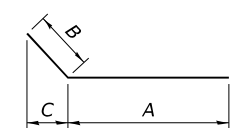
BARS a20 or a25



BAR x20

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a20	967	#7	11'-3"	U
a21	651	#5	9'-7"	U
a22	1	#4	9'-7"	U
a23	32	#5	5'-0"	U
a24	15	#6	9'-4"	U
a25	26	#7	11'-0"	U
a26	22	#7	12'-2"	U
a27	15	#5	15'-5"	U
d20	11	#4	4'-5"	Γ
d21	32	#5	5'-6"	Γ
d22	22	#5	8'-6"	Γ
d23	24	#5	5'-6"	Γ
h20	160	#5	25'-10"	U
h21	12	#6	9'-7"	U
h22	14	#7	9'-7"	U
h23	60	#5	27'-11"	U
h24	60	#5	22'-11"	U
h25	120	#5	26'-6"	U
h26	40	#4	25'-10"	U
h27	60	#4	26'-1"	U
h28	14	#4	21'-0"	U
h29	11	#4	9'-0"	U
h30	13	#4	12'-6"	U
h31	14	#4	8'-0"	U
h32	17	#4	8'-0"	U
h33	41	#6	9'-4"	U
h34	12	#5	11'-2"	U
h35	12	#5	10'-7"	U
h36	24	#5	10'-7"	U
h37	8	#5	5'-3"	U
h38	12	#5	9'-11"	U
h39	4	#5	6'-7"	U
s20	33	#4	4'-11"	O
s21	11	#4	7'-5"	O
s22	2	#5	9'-6"	O
v20	1038	#4	5'-5"	U
v21	84	#4	6'-5"	U
v22	8	#4	8'-3"	U
v23	20	#6	5'-1"	U
v24	25	#5	8'-3"	L
v25	16	#6	8'-3"	L
v26	16	#6	6'-7"	L
v27	12	#5	10'-2"	L
x20	40	#6	5'-11"	U
Reinforcement Bars			Pound	51,440
Concrete Box Culverts			Cu Yd	197.2



Bar	A	B	C
h29	6'-0"	3'-0"	5'-0 ³ / ₈ "
h30	9'-6"	3'-0"	5'-1 ¹ / ₂ "
h31	5'-0"	3'-0"	5'-0 ³ / ₈ "
h32	5'-0"	3'-0"	5'-1 ¹ / ₂ "

MIN. BAR LAP
 #4 = 1'-9"
 #5 = 2'-2"



USER NAME =	DESIGNED - JJS, SK, HI	REVISED -
PLOT SCALE =	CHECKED - MI, LAB	REVISED -
PLOT DATE =	DRAWN - EBK, HI	REVISED -
	CHECKED - MI, LAB	REVISED -

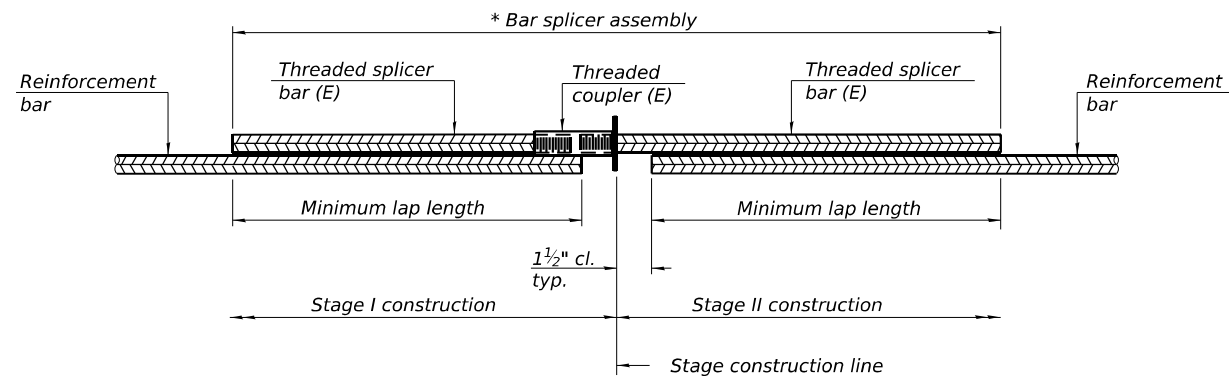
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CULVERT SECTIONS AND DETAILS (SHEET 5 OF 5)
 STRUCTURE NO. 099-8343**

SHEET S2-13 OF S2-16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	308
			CONTRACT NO. 62P71	
		ILLINOIS	FED. AID PROJECT	

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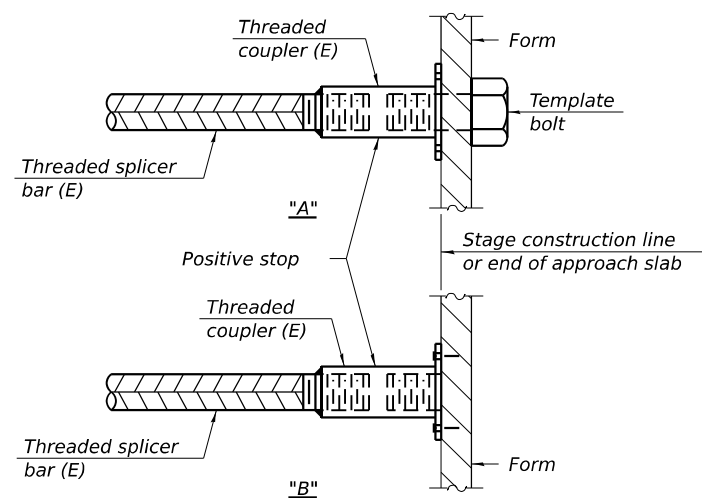
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

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	20	2'-2"
Bottom Slab	#5	20	2'-2"
Side Walls	#4	10	1'-9"

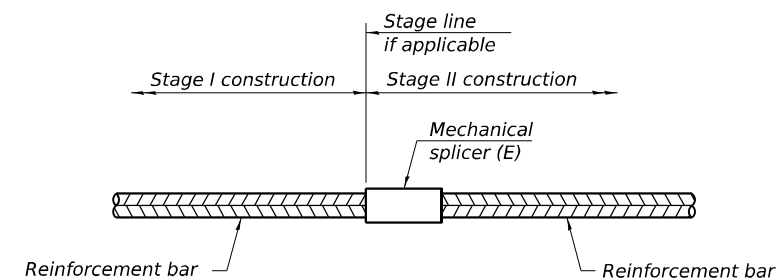


INSTALLATION AND SETTING METHODS

"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.
 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 2-1-2023



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PLOT DATE =	CHECKED - MI, LAB	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY DETAILS
 STRUCTURE NO. 099-8343

SHEET S2-14 OF S2-16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	309
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62P71	



BORING LOG I-80-CUL-2-03

wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

WEI Job No.: 255-39-01

Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 594.20 ft
North: 1749858.64 ft
East: 1009751.76 ft
Station: 215+18.14
Offset: 4.09 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
591.2	Medium stiff, black SILTY CLAY, trace gravel; moist --TOPSOIL-- --RDR 2--	1	4	4	0.82	23	564.2		11	12	8	1.23	19
591.2	Stiff to hard, brown and gray to gray CLAY to SILTY CLAY, trace gravel; moist --RDR 2--	2	3	3	2.05	26	564.2		12	2	3	1.48	19
		3	3	3	1.39	22							
	--L _L (%)=41, P _L (%)=17-- --%Gravel=1.2-- --%Sand=5.0-- --%Silt=49.8-- --%Clay=44.0-- --A-7-6 (23)--	4	2	4	5.58	30							
583.7	Stiff to very stiff, brown to gray SILTY CLAY, trace gravel; moist --RDR 2--	5	8	9	3.85	17							
		6	3	4	2.54	15							
		7	3	4	2.05	18							
		8	2	3	1.48	18							
		9	4	5	1.56	18							
		10	3	4	1.39	18							

GENERAL NOTES

Begin Drilling: **04-24-2022** Complete Drilling: **04-24-2022**
 Drilling Contractor: **Wang Testing Services** Drill Rig: **21D50A [84%]**
 Driller: **PA&TC** Logger: **A. Scifers** Checked by: **C. Marin**
 Drilling Method: **2.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **DRY**
 At Completion of Drilling: **DRY**
 Time After Drilling: **NA**
 Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG I-80-CUL-2-04

wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

WEI Job No.: 255-39-01

Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 594.91 ft
North: 1749873.36 ft
East: 1009831.38 ft
Station: 215+77.37
Offset: 59.41 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
594.73	3-inch thick, black SILTY CLAY --TOPSOIL--	1	2	2	2.00	23	564.9		11	5	9	1.48	17
591.9	Very stiff, brown SILTY CLAY, trace gravel; damp --FILL-- --RDR 2--	2	1	3	1.31	26	564.9		12	5	8	1.50	17
	Stiff to very stiff, dark brown and brown CLAY to SILTY CLAY, trace gravel; damp --RDR 2--	5	3	3	2.00	23							
		10	3	3	1.23	22							
584.4	Stiff to hard, brown SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp --RDR 2-- --L _L (%)=32, P _L (%)=19-- --%Gravel=1.1-- --%Sand=7.9-- --%Silt=59.2-- --%Clay=31.8-- --A-6 (11)--	5	3	6	3.83	20							
		6	6	10	10.25	17							
		7	9	12	10.25	17							
		8	18	16	4.00	17							
		9	5	7	2.13	17							
		10	4	4	1.07	17							

GENERAL NOTES

Begin Drilling: **04-25-2022** Complete Drilling: **04-25-2022**
 Drilling Contractor: **Wang Testing Services** Drill Rig: **20D25A [83%]**
 Driller: **KG&AG** Logger: **M. Rojo** Checked by: **C. Marin**
 Drilling Method: **2.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **DRY**
 At Completion of Drilling: **DRY**
 Time After Drilling: **NA**
 Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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PLOT DATE =	DRAWN - EBK, HI	REVISED -
	CHECKED - MI, LAB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS (SHEET 2 OF 2)
STRUCTURE NO. 099-8343

SHEET S2-16 OF S2-16 SHEETS

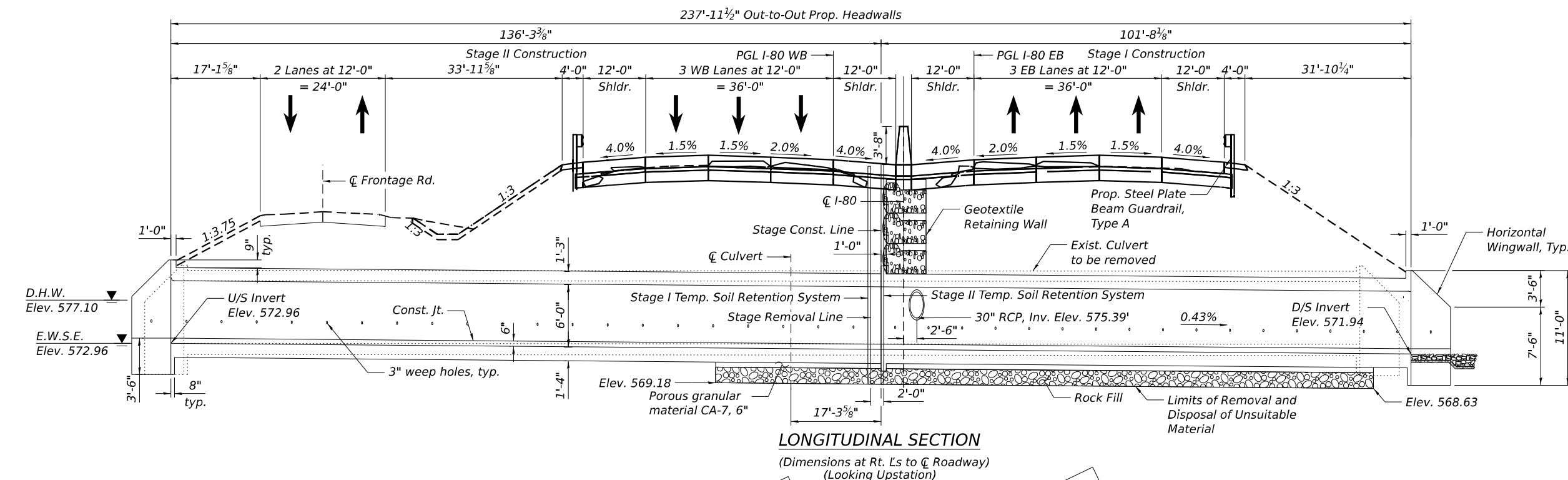
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	311
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

Bench Mark: Set 2" CWA aluminum disk in Concrete pier seat in southerly pier of Shepley Road bridge on south side of eastbound I-80. Elev. 599.98
Existing Structure: The existing structure was originally constructed in 1960 as a 12'-0"x6'-0" reinforced concrete single-cell box culvert with 25° skew beneath eastbound/westbound I-80 and a local Frontage Road (FAI Route 80; Section 99-1; Project I-80-4(12)124). The culvert consists of a 12" thick top slab, 13" bottom slab, 8" sidewalls with vertical cantilever wingwalls and maximum fill height of approximately 11'. The overall length of the culvert is approximately 223'-4" (out-to-out headwalls) at right angles to the center line of the roadway and 249'-0" (out-to-out headwalls) along center line of of culvert . The existing structure will be removed and replaced.
Salvage: No salvage.
 Traffic to be maintained utilizing Stage Construction.

LOADING HL-93
 Allow 50 lb/sq. ft. for future wearing surface.

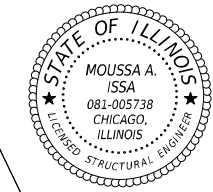
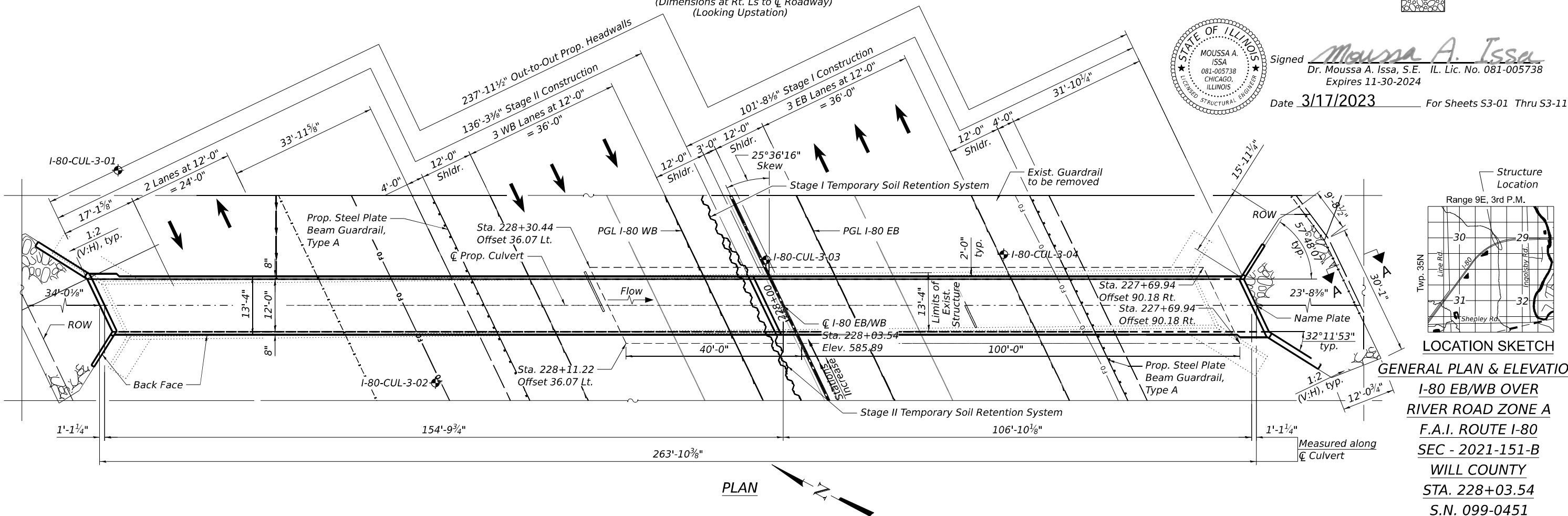
DESIGN STRESSES
FIELD UNITS
 $f_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
DESIGN SPECIFICATIONS
 2020 AASHTO LRFD Bridge Design Specifications, 9th Edition.
 IDOT Culvert Manual, 2017.

NOTES:
 1. Upstream and downstream channels are to be regraded to align with new culvert.
 2. For Sections A-A, General notes, Index of sheets, waterway information table, Name Plate and profile Grade, see Sheet S3-02.

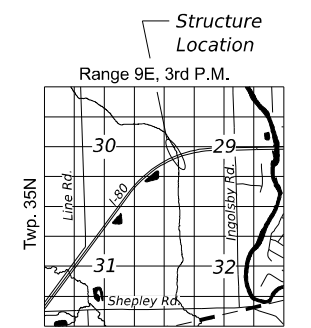


LEGEND:

- Soil Boring
- Limit of Rock fill
- Exist. Fiber Optic
- Exist. Guardrail
- Prop. Guardrail
- Prop. Storm Sewer
- Stone Riprap
- Rock fill



Signed *Moussa A. Issa*
 Dr. Moussa A. Issa, S.E. IL. Lic. No. 081-005738
 Expires 11-30-2024
 Date 3/17/2023 For Sheets S3-01 Thru S3-11



GENERAL PLAN & ELEVATION
I-80 EB/WB OVER RIVER ROAD ZONE A
F.A.I. ROUTE I-80
SEC - 2021-151-B
WILL COUNTY
STA. 228+03.54
S.N. 099-0451

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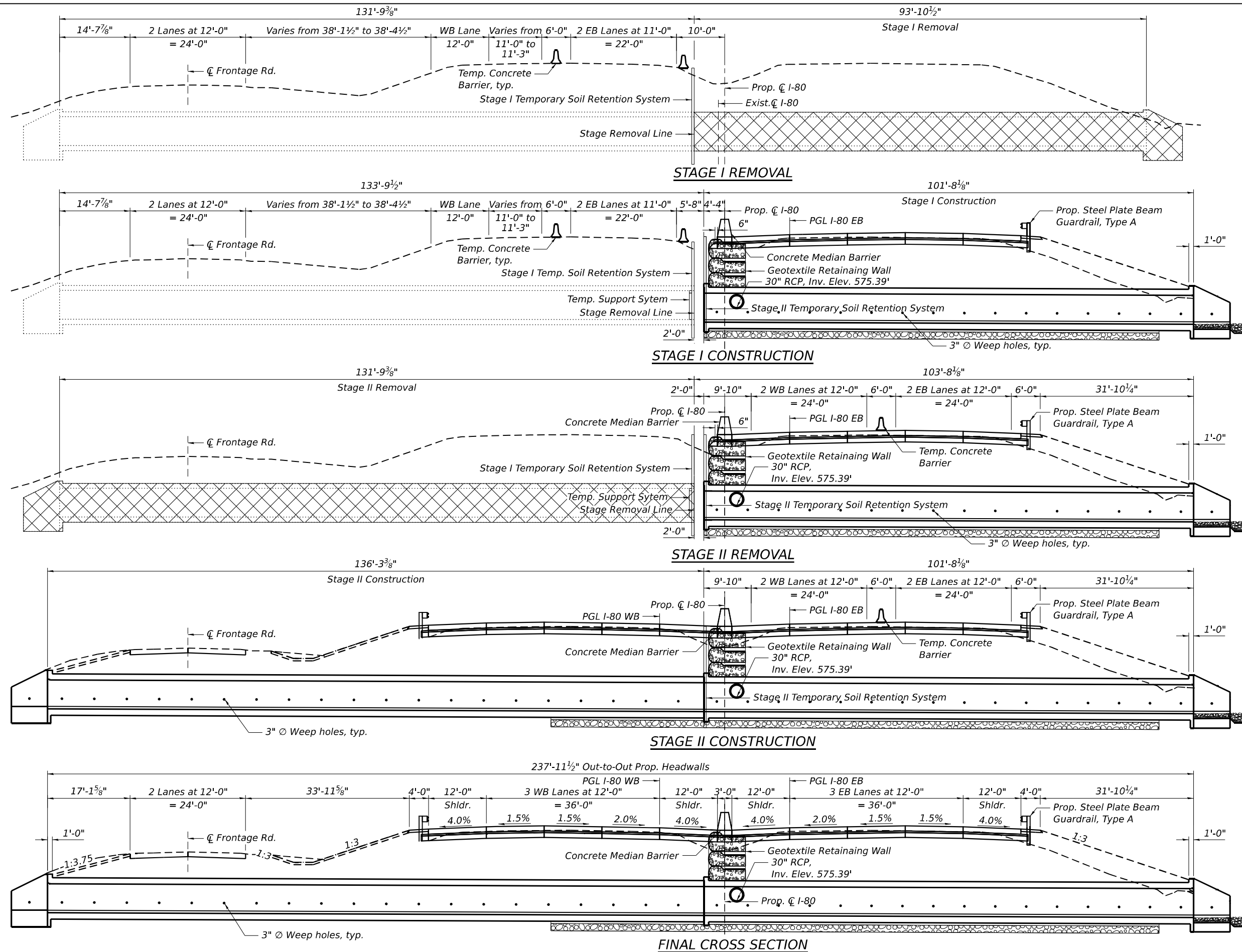
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SHEET S3-01 OF S3-11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	312
CONTRACT NO. 62P71				

ILLINOIS FED. AID PROJECT

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- ### STAGE I REMOVAL
1. Install temporary concrete barrier as shown to locate construction work areas on the south side of the existing structure.
 2. Install Temporary Soil Retention System as shown.
 3. Remove portions of existing pavement on south side of the roadway.
 4. Remove the 104'-1" portion of the south culvert barrel, and remove the south headwall and wingwalls.

- ### STAGE I CONSTRUCTION
1. Install Temporary Support System as shown.
 2. Construct 112'-8 7/8" portion of the south culvert barrel and construct the south headwall and wingwalls.
 3. Install Geotextile Retaining Wall.
 4. Construct the pavement and shoulder on the south side of the roadway.

- ### STAGE II REMOVAL
1. Install temporary concrete barrier as shown to locate construction work areas on the north side of the existing structure.
 2. Install Temporary Soil Retention System as shown.
 3. Remove portions of existing pavement on north side of the roadway.
 4. Remove the 146'-1 7/8" portion of the north culvert barrel, and remove the north headwall and wingwalls.

- ### STAGE II CONSTRUCTION
1. Construct 151'-1 1/2" portion of the north culvert barrel and construct the north headwall and wingwalls.
 2. Construct the pavement and shoulder on the north side of the roadway.

LEGEND

	Removal Of Existing Structures No. 3
	Rock Fill



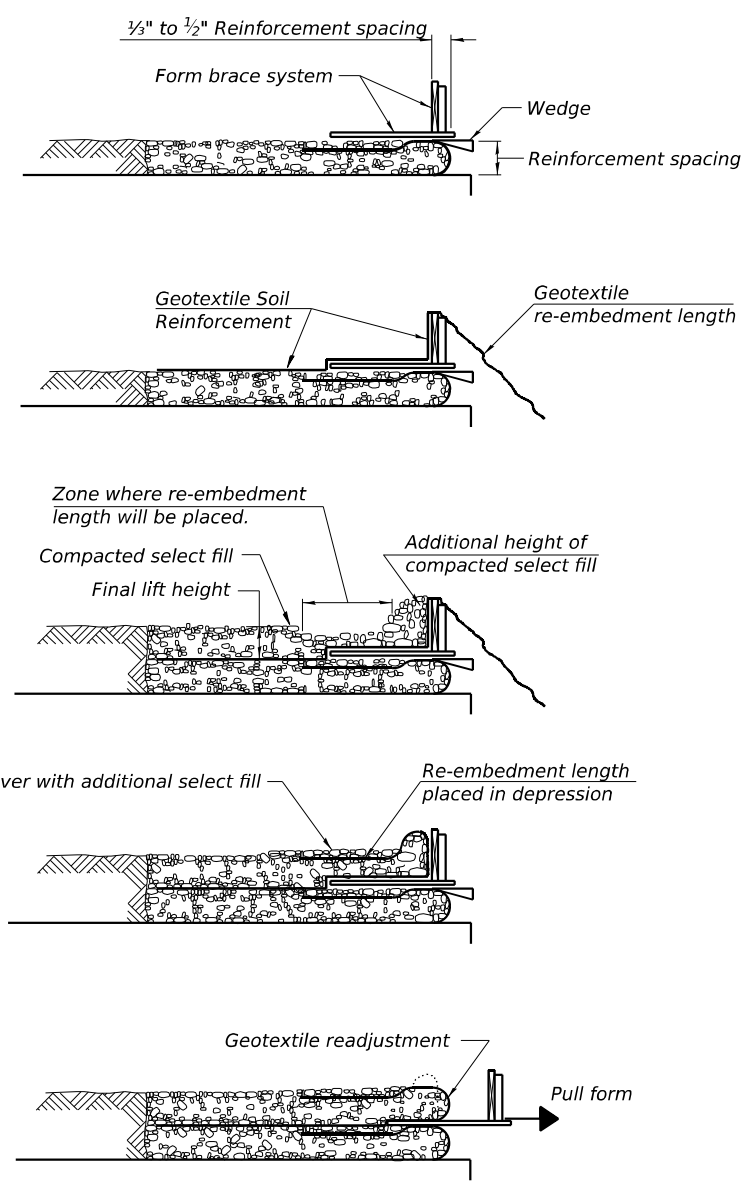
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PLOT DATE =	DRAWN - EBK, FL	REVISD -
	CHECKED - MI, LAB	REVISD -

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DEPARTMENT OF TRANSPORTATION

STAGE REMOVAL AND CONSTRUCTION
STRUCTURE NO. 099-0451
 SHEET S3-03 OF S3-11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	314
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

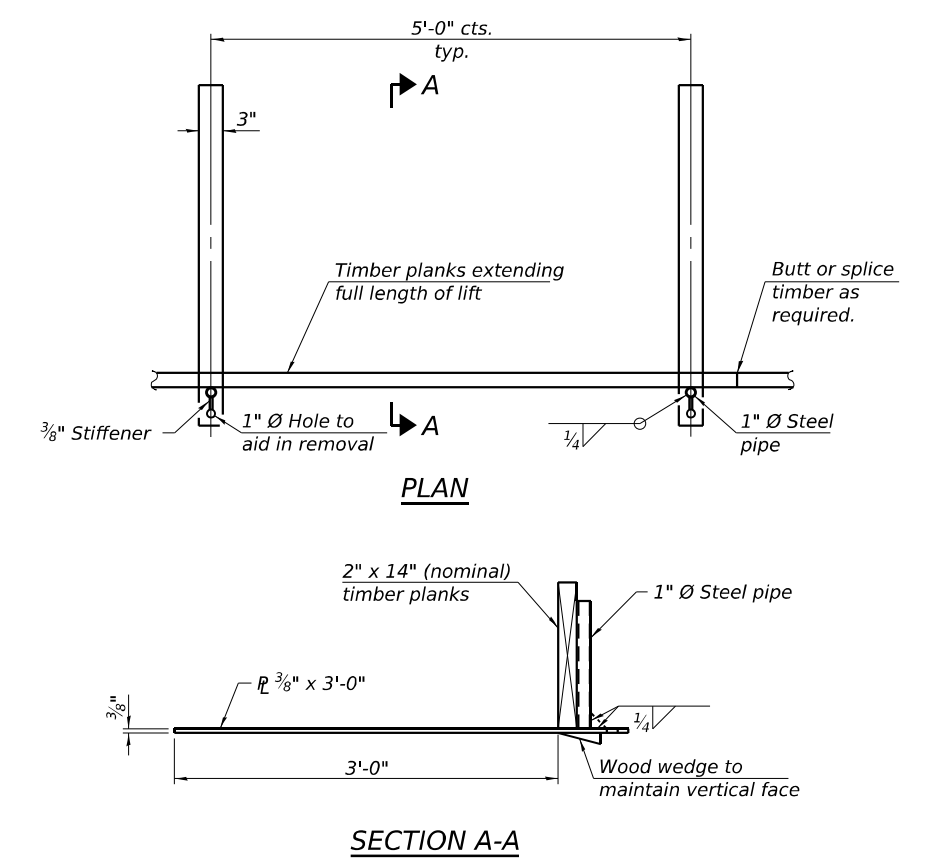
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1. Place form brace system on completed reinforcement level; back from the finished fabric face a distance of $\frac{1}{3}$ " to $\frac{1}{2}$ " the geotextile reinforcement spacing.
2. Position fabric so that the required geotextile re-embedment length extends over the top of the form brace and the design reinforcement width is placed with no slack against the previous level.
3. Compact select fill material in lifts to final lift height, create (± 3 ") depression in zone where re-embedment length will be located and place additional height of compacted select fill against form brace.
4. Fold geotextile re-embedment length back over form brace into zone where depression was made in select fill and place additional select fill (± 3 ") to embed geotextile and bring to final lift height.
5. Pull form brace outward allowing geotextile face to slightly readjust to form tight round face level with plan reinforcement spacing.

GEOTEXTILE WALL CONSTRUCTION SEQUENCE

Note:
 The geotextile soil reinforcement shall have a minimum allowable tensile strength (T min.) of 75 lb./in. as determined by the procedure described in the Special Provision. The computations supporting the determination of (T min.) shall be submitted to the engineer for approval.



Note:
 This is a suggested detail, the Contractor is responsible for the design of the form brace system to be used.

GEOTEXTILE FORM BRACE DETAIL



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	CHECKED - MI, LAB	REVISED -
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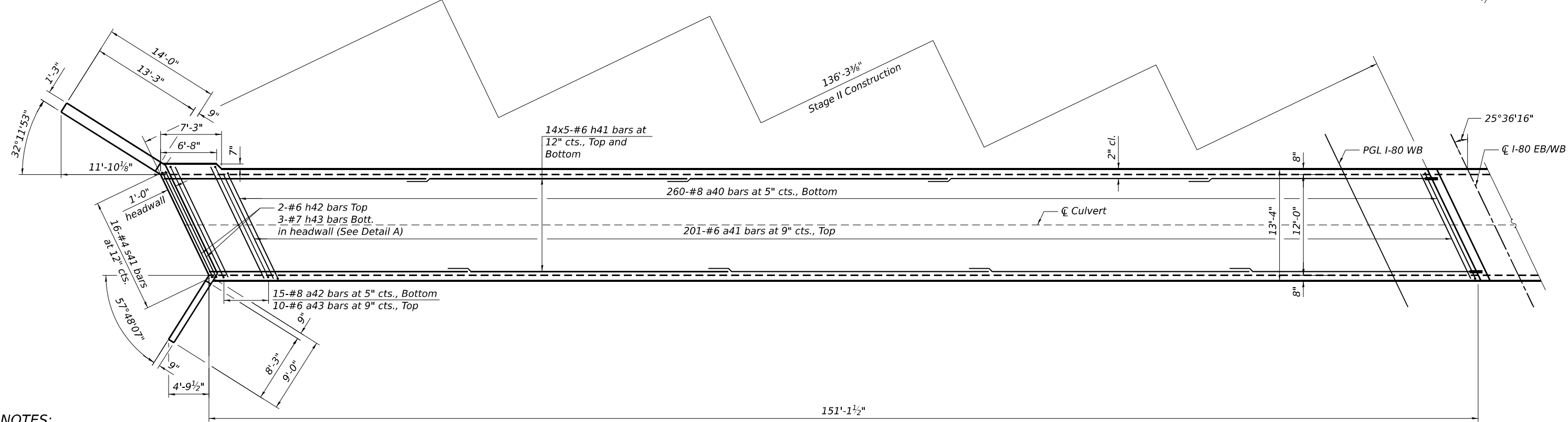
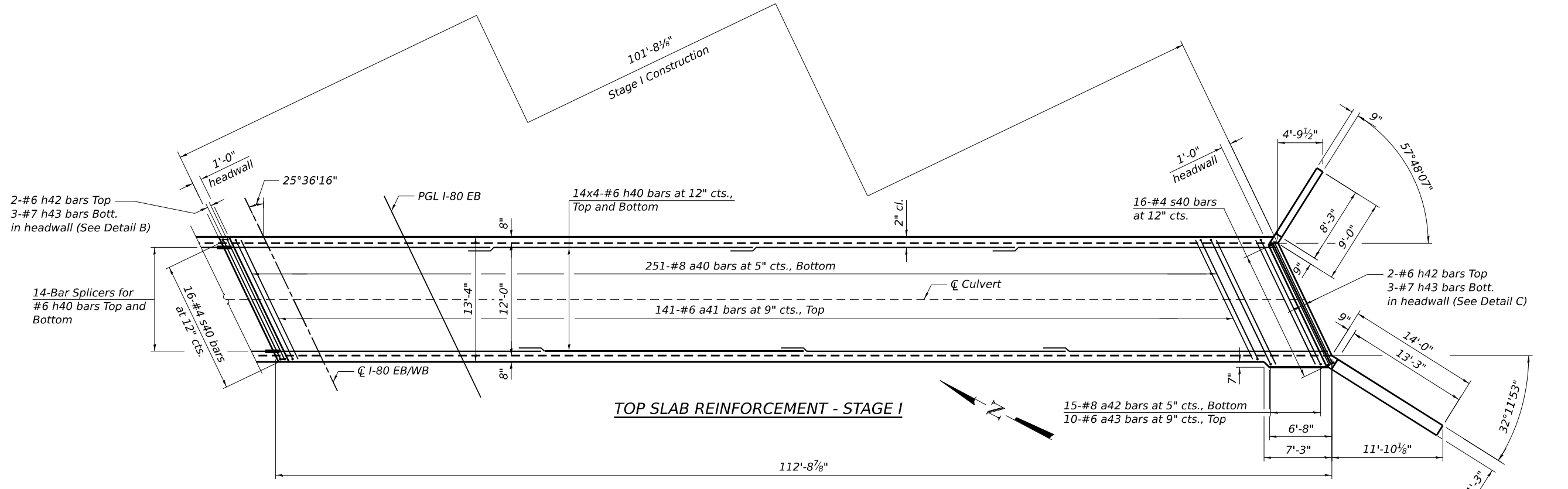
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GEOTEXTILE WALL DETAILS
 STRUCTURE NO. 099-0451

SHEET S3-04 OF S3-11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

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NOTES:

1. Bar indicated thus 40x2-#5 etc. indicates 40 lines of bars with 2 lengths per line.
2. For Section thru Barrel, Wingwall Sections, Drain Detail, Bar diagrams and Bill of Material, see Sheet S3-08.
3. For Bottom Slab reinforcement, see Sheet S3-06.
4. For culvert longitudinal sections and Details A thru C, see Sheet S3-07.

TOP SLAB REINFORCEMENT - STAGE II



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PLOT DATE =	DRAWN - EBK, FL	REVISED -
	CHECKED - MI, LAB	REVISED -

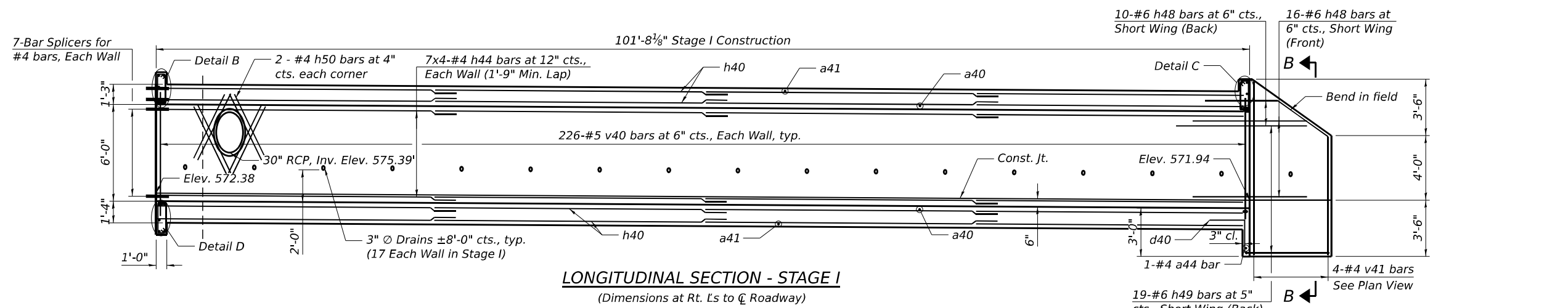
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 DEPARTMENT OF TRANSPORTATION

CULVERT PLAN TOP SLAB DETAILS
 STRUCTURE NO. 099-0451

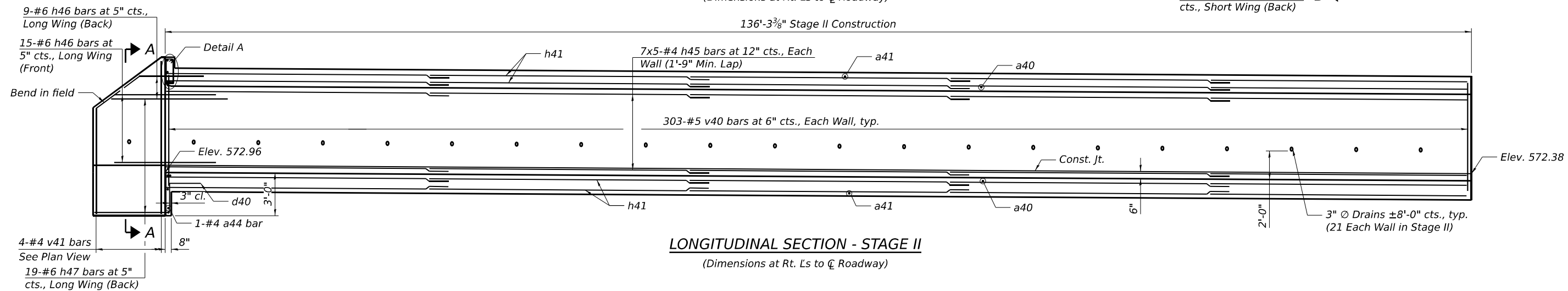
SHEET S3-05 OF S3-11 SHEETS

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

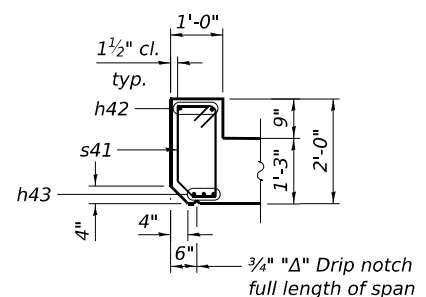
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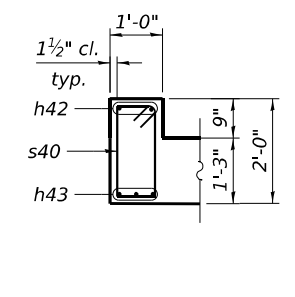
LONGITUDINAL SECTION - STAGE I
 (Dimensions at Rt. Ls to C Roadway)



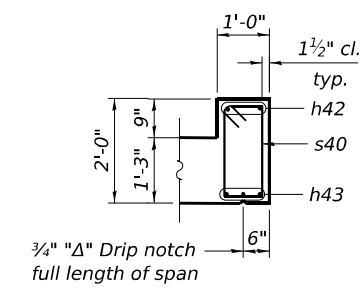
LONGITUDINAL SECTION - STAGE II
 (Dimensions at Rt. Ls to C Roadway)



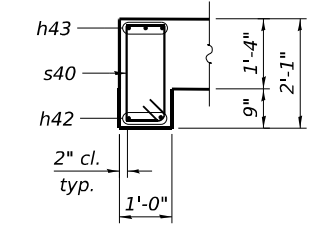
DETAIL A
 Upstream
 (Reinforcement in top slab omitted for clarity)



DETAIL B
 (At Stage Construction Line)
 (Reinforcement in top slab omitted for clarity)



DETAIL C
 Downstream
 (Reinforcement in top slab omitted for clarity)



DETAIL D
 (At Stage Construction Line)
 (Reinforcement in bottom slab omitted for clarity)

NOTE:

- For notes, see Sheet S3-05.
- For Sections A-A and B-B, Section thru Barrel, see Sheet S3-08.



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PLOT SCALE =	CHECKED - MI, LAB	REVISED -
PLOT DATE =	DRAWN - EBK, FL	REVISED -
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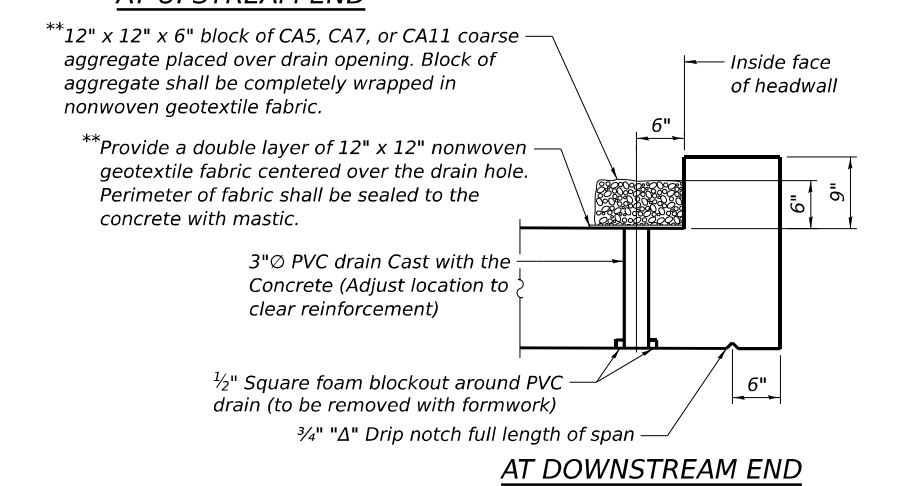
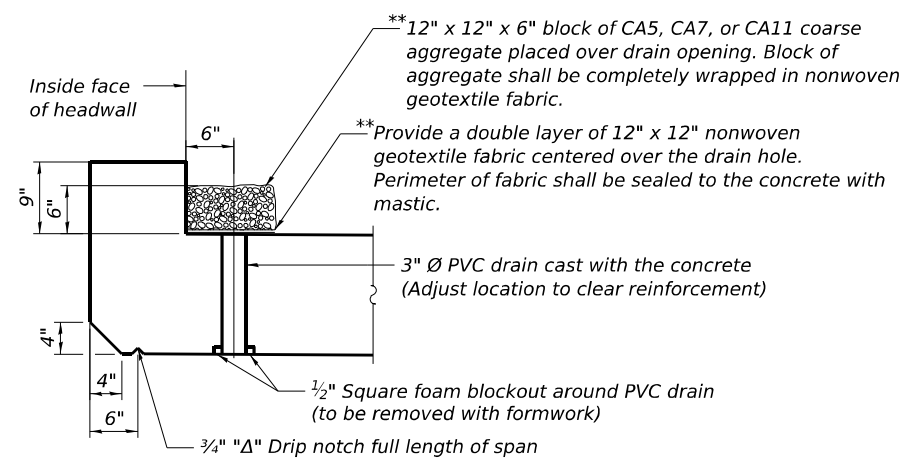
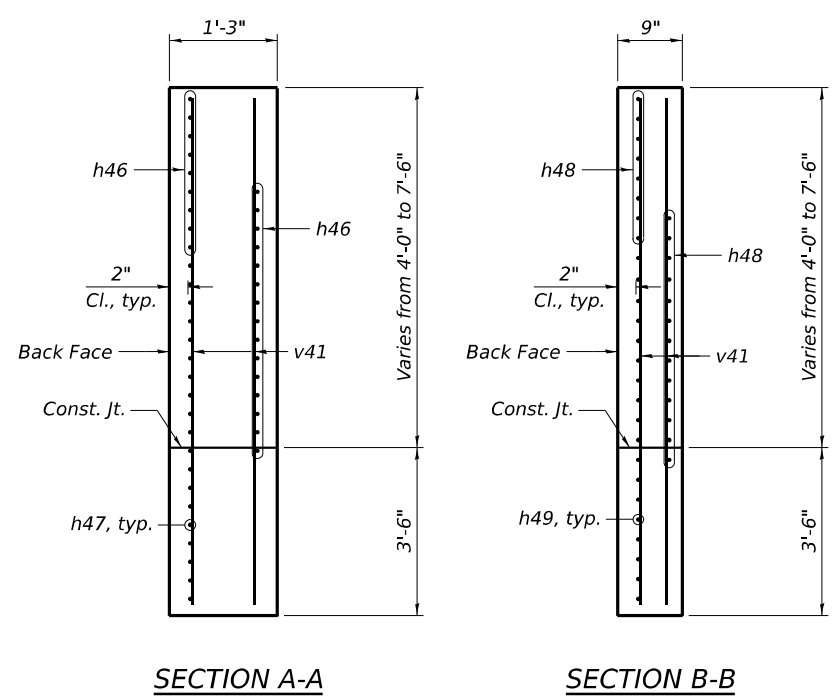
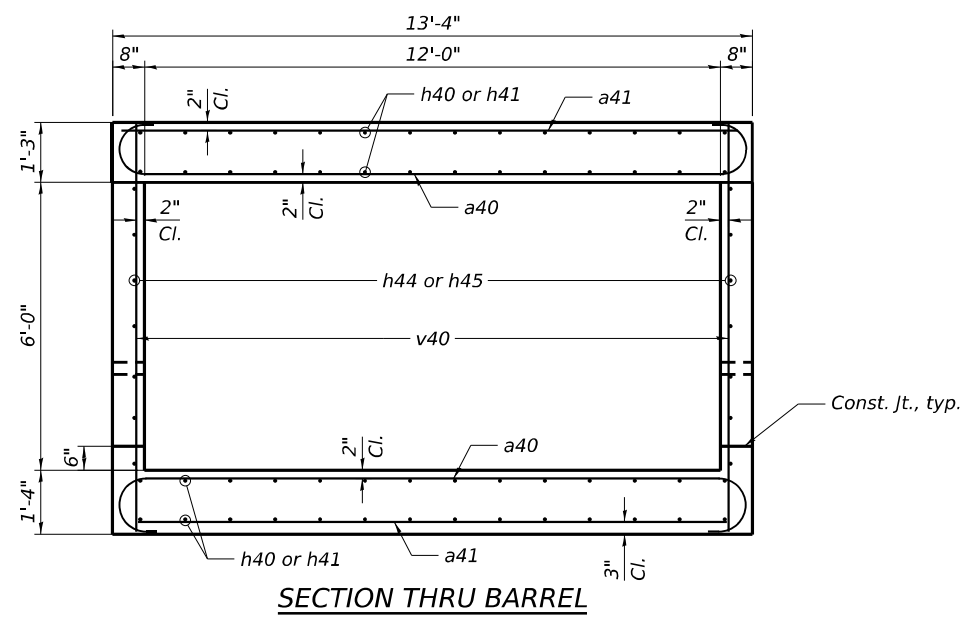
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS AND DETAILS (SHEET 1 OF 2)
 STRUCTURE NO. 099-0451

F.A.I. RTE. 80	SECTION 2021-151-B	COUNTY WILL	TOTAL SHEETS 477	SHEET NO. 318
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

SHEET S3-07 OF S3-11 SHEETS

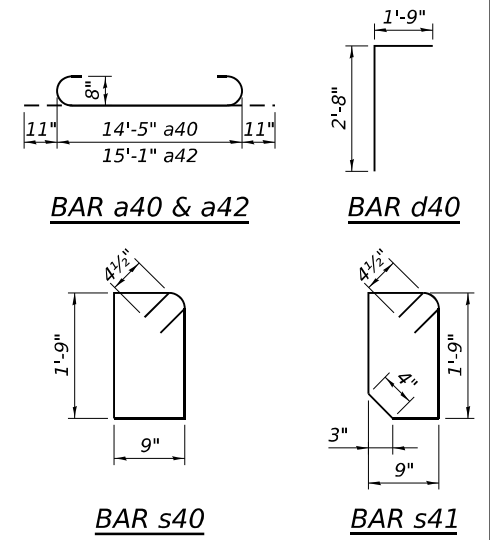
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BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a40	1022	#8	16'-3"	U
a41	684	#6	14'-5"	U
a42	60	#8	16'-11"	U
a43	40	#6	15'-1"	U
a44	2	#4	14'-5"	U
d40	28	#4	4'-5"	Γ
h40	224	#6	30'-1"	—
h41	280	#6	32'-4"	—
h42	8	#6	14'-5"	—
h43	18	#7	14'-5"	—
h44	56	#4	29'-5"	—
h45	70	#4	31'-8"	—
h46	48	#6	8'-0"	—
h47	38	#6	17'-0"	—
h48	52	#6	8'-0"	—
h49	38	#6	12'-0"	—
h50	8	#4	5'-0"	—
s40	48	#4	5'-9"	□
s21	16	#4	5'-10"	□
v40	1058	#5	8'-2"	—
v41	16	#4	10'-7"	—
Reinforcement Bars			Pound	102,140
Concrete Box Culverts			Cu Yd	436.8

NOTE:
 1. For notes, see Sheet S3-05.



MIN. BAR LAP

Bar	A	B	C
h46	5'-0"	3'-0"	2'-6"
h47	14'-0"	3'-0"	2'-6"
h48	5'-0"	3'-0"	1'-7"
h49	9'-0"	3'-0"	1'-7"

*Cost included in Concrete Box Culverts.
 **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.

(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.)



USER NAME	DESIGNED	REVISIONS
JJS, EBK, FL	MI, LAB	
MI, LAB	EBK, FL	
MI, LAB	MI, LAB	

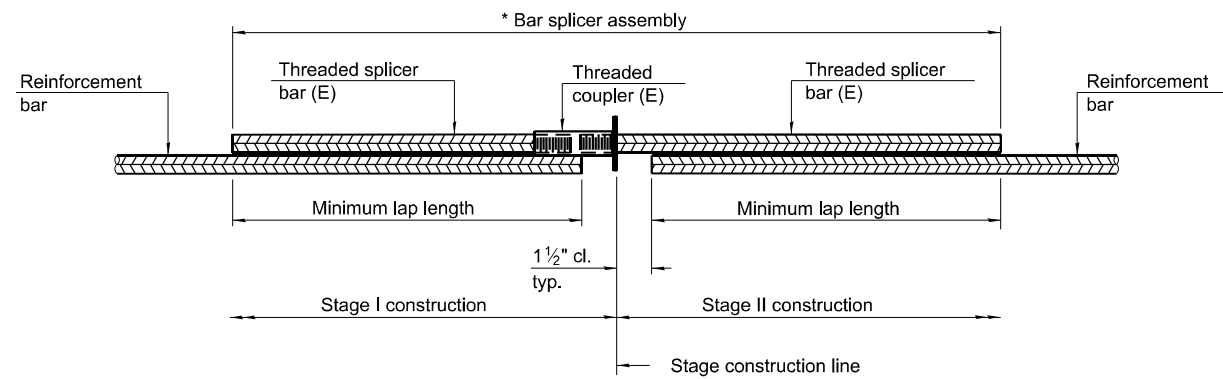
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS AND DETAILS (SHEET 2 OF 2)
 STRUCTURE NO. 099-0451

SHEET S3-08 OF S3-11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	319
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

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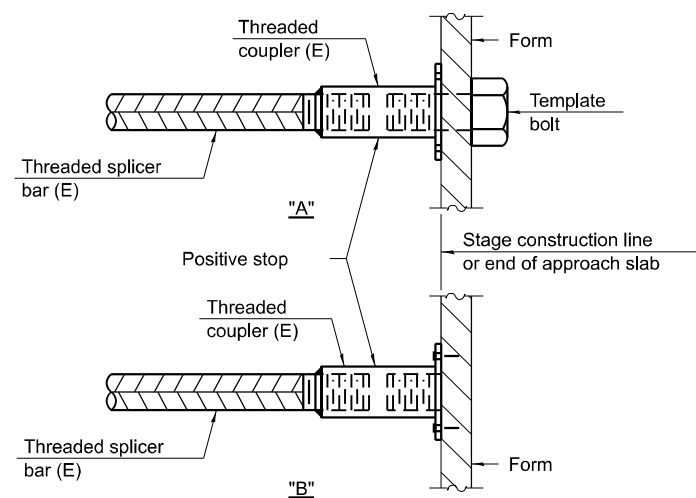
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

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

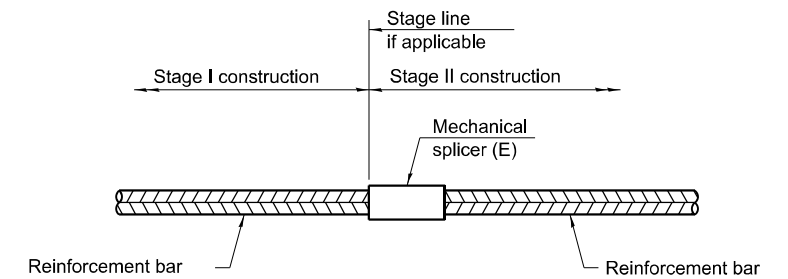
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Top Slab	#6	28	2'-7"
Bottom Slab	#6	28	2'-7"
Side Walls	#4	14	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.
 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 2-1-2023



USER NAME =	DESIGNED - JJS, EBK, FL	REVISED -
PLOT SCALE =	DRAWN - EBK, FL	REVISED -
PLOT DATE =	CHECKED - MI, LAB	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY DETAILS
 STRUCTURE NO. 099-0451

SHEET S3-09 OF 53-11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	320
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62P71	



BORING LOG I-80-CUL-3-01

wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

WEI Job No.: 255-39-01

Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 584.28 ft
North: 1751043.59 ft
East: 1010467.95 ft
Station: 228+96.91
Offset: 123.53 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
584.03	0.3-inch thick, black SILTY CLAY --TOPSOIL-- Very stiff, gray, brown, and black SILTY CLAY, trace gravel; damp	0	1	3 9 8	2.50	19			0	11	3 9 7	2.79	19
581.3	--FILL-- --RDR 2-- Stiff to hard, brown to gray SILTY CLAY, trace gravel; damp	5	2	3 3 4	1.89	19			30	12	3 4 6	2.95	17
	--RDR 2--	10	3	3 5 6	4.02	17			35	13	4 5 7	2.38	16
		15	4	5 9 10	6.97	15			40	14	5 5 7	1.23	16
	--L _L (%)=32, P _L (%)=15-- --%Gravel=2.5-- --%Sand=7.9-- --%Silt=58.1-- --%Clay=31.5-- --A-6 (14)--	20	5	4 7 10	5.17	18			45				
		25	6	5 7 7	4.00	18	544.3	Boring terminated at 40.00 ft	50				
			7	4 5 5	3.28	16							
			8	5 5 6	3.44	20							
			9	4 4 4	2.05	20							
			10	4 4 7	3.12	17							

GENERAL NOTES

Begin Drilling: **04-11-2022** Complete Drilling: **04-11-2022**
 Drilling Contractor: **Wang Testing Services** Drill Rig: **20CME55T[81%]**
 Driller: **R&R** Logger: **M. Sadowski** Checked by: **C. Marin**
 Drilling Method: **3.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **DRY**
 At Completion of Drilling: **DRY**
 Time After Drilling: **NA**
 Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG I-80-CUL-3-02

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1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

WEI Job No.: 255-39-01

Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 582.95 ft
North: 1750956.99 ft
East: 1010459.08 ft
Station: 228+21.89
Offset: 79.20 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
582.73	0.3-inch thick, black SILTY CLAY --TOPSOIL-- Medium stiff to very stiff, brown, black and gray CLAY to SILTY CLAY and SILTY CLAY LOAM, trace gravel; damp to moist	0	1	5 5 6	1.50	20			0	11	2 4 8	2.46	21
	--FILL-- --RDR 2--	5	2	3 5 4	3.50	22			30	12	7 10 12	4.50	16
	--black and gray--	10	3	4 4 4	0.90	21			35	13	4 10 10	4.50	18
		15	4	4 5 7	3.00	22			40	14	5 9 9	4.50	16
	--L _L (%)=50, P _L (%)=22-- --%Gravel=5.5-- --%Sand=19.3-- --%Silt=51.9-- --%Clay=23.2-- --A-7-6 (21)--	20	5	2 4 8	1.00	26			45				
570.0	Very stiff to hard, brown to gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp to moist	25	6	6 10 13	4.92	16	543.0	Boring terminated at 40.00 ft	50				
	--RDR 2--		7	6 9 12	5.17	15							
	--gray--		8	3 6 7	2.46	17							
			9	4 6 7	3.53	18							
			10	5 8 11	2.00	16							

GENERAL NOTES

Begin Drilling: **04-22-2022** Complete Drilling: **04-22-2022**
 Drilling Contractor: **Wang Testing Services** Drill Rig: **20D25A [83%]**
 Driller: **KG&TC** Logger: **M. Rojo** Checked by: **C. Marin**
 Drilling Method: **2.25" ID HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling: **DRY**
 At Completion of Drilling: **DRY**
 Time After Drilling: **NA**
 Depth to Water: **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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USER NAME =	DESIGNED - JJS, EBK, FL	REVISED -
PLOT SCALE =	CHECKED - MI, LAB	REVISED -
PLOT DATE =	DRAWN - EBK, FL	REVISED -
	CHECKED - MI, LAB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS (SHEET 1 OF 2)
STRUCTURE NO. 099-0451

SHEET S3-10 OF S3-11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	321
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

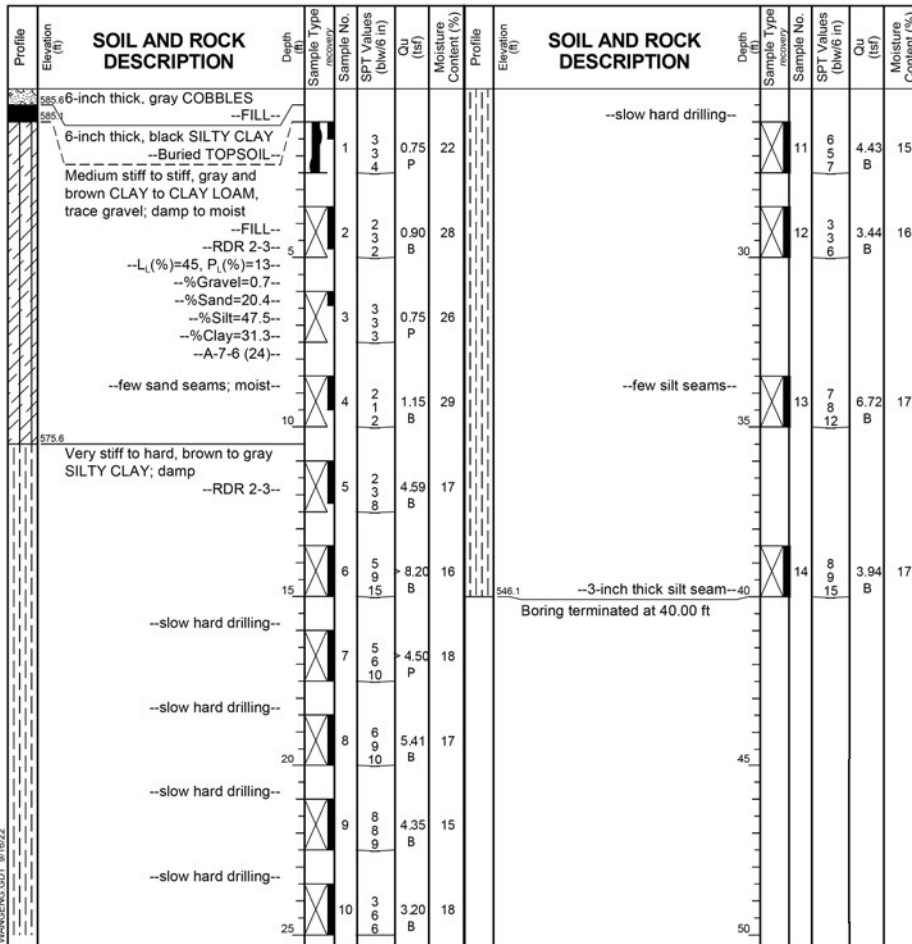
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 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
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BORING LOG I-80-CUL-3-03
 WEI Job No.: 255-39-01
 Client: Stantec
 Project: I-80 Reconstruction, Ridge Road to Houbolt Road
 Location: Will County, Illinois

Datum: NAVD 88
 Elevation: 586.09 ft
 North: 1750903.10 ft
 East: 1010519.08 ft
 Station: 228+14.6
 Offset: 0.99 RT

Page 1 of 1



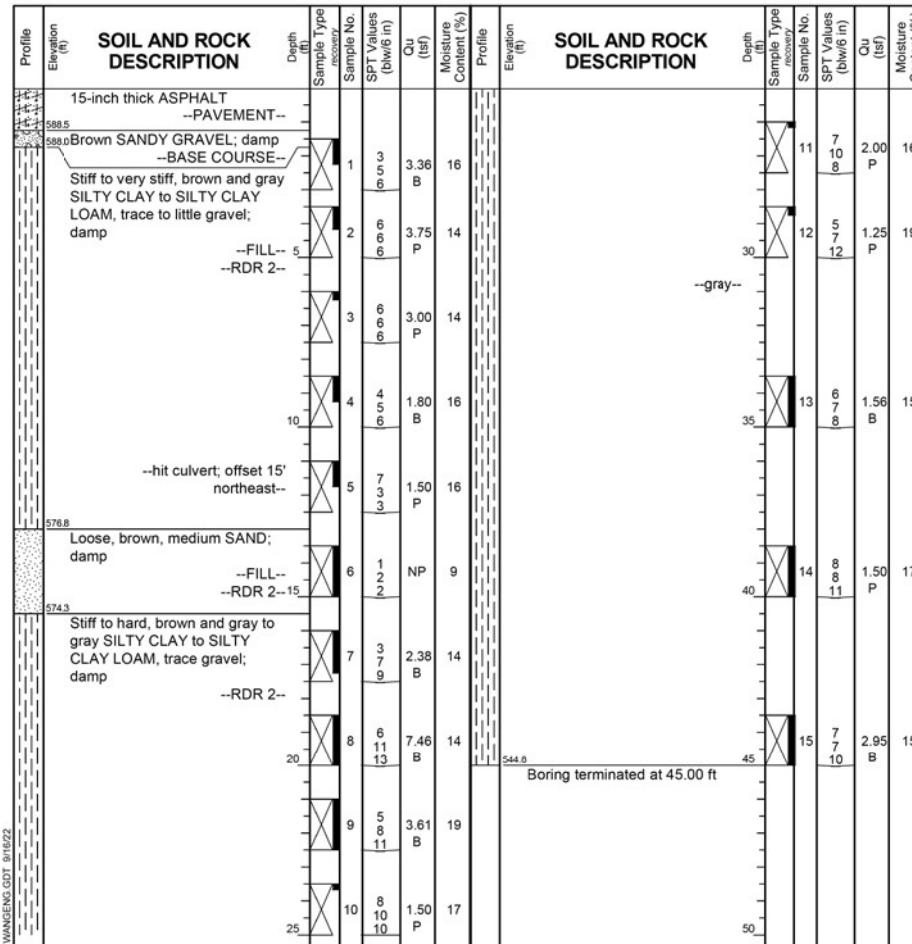
GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-25-2022	Complete Drilling	04-25-2022
Drilling Contractor	Wang Testing Services	Drill Rig	20D25A [83%]
Driller	P&T	Logger	M. Sadowski
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" ID HSA; boring backfilled upon completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG I-80-CUL-3-04
 WEI Job No.: 255-39-01
 Client: Stantec
 Project: I-80 Reconstruction, Ridge Road to Houbolt Road
 Location: Will County, Illinois

Datum: NAVD 88
 Elevation: 589.78 ft
 North: 1750856.12 ft
 East: 1010545.71 ft
 Station: 227+92.28
 Offset: 50.38 RT

Page 1 of 1



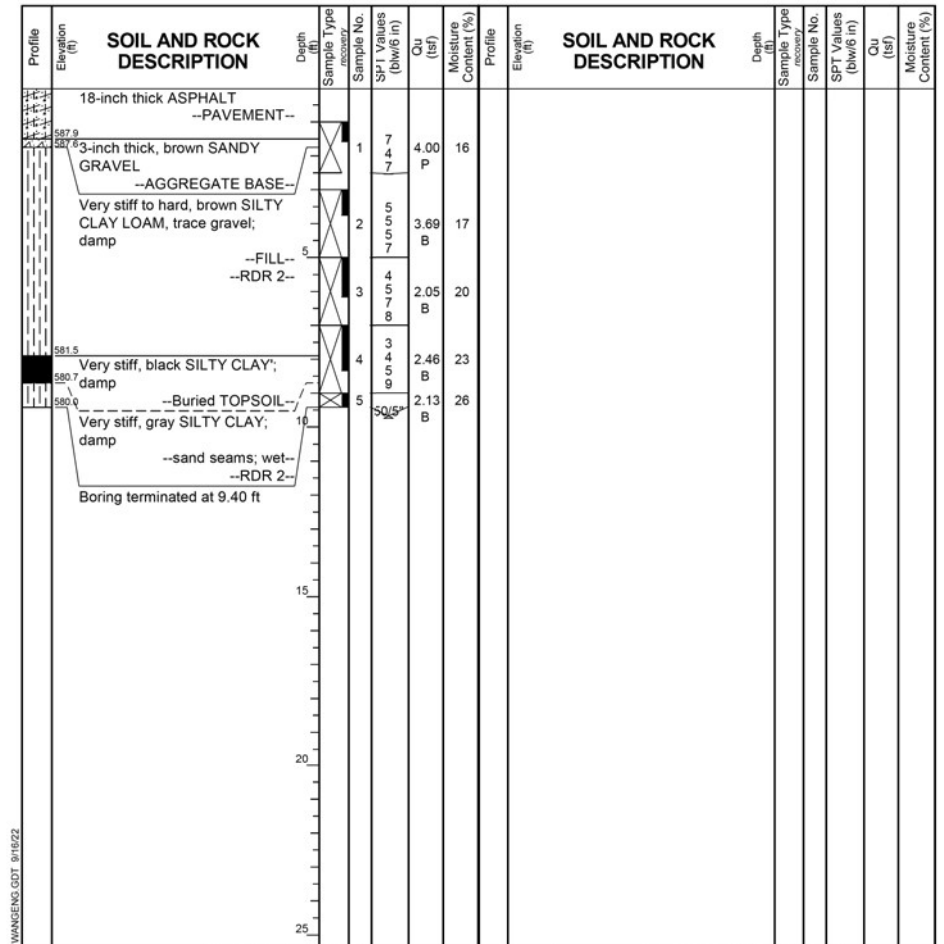
GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-26-2022	Complete Drilling	04-26-2022
Drilling Contractor	Wang Testing Services	Drill Rig	20CME55T [81%]
Driller	R&T	Logger	M. Sadowski
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" ID HSA; boring backfilled upon completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG WB-SGB-13
 WEI Job No.: 255-39-01
 Client: Stantec
 Project: I-80 Reconstruction, Ridge Road to Houbolt Road
 Location: Will County, Illinois

Datum: NAVD 88
 Elevation: 589.39 ft
 North: 1750953.68 ft
 East: 1010491.03 ft
 Station: 228+38.29
 Offset: 51.6 LT

Page 1 of 1



GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-30-2021	Complete Drilling	03-30-2021
Drilling Contractor	Wang Testing Services	Drill Rig	13CME55T [85%]
Driller	R&J	Logger	I. Nenn
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" ID HSA; boring backfilled upon completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			



USER NAME =	DESIGNED - JJS, EBK, FL	REVISED -
PLOT SCALE =	CHECKED - MI, LAB	REVISED -
PLOT DATE =	DRAWN - EBK, FL	REVISED -
	CHECKED - MI, LAB	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS (SHEET 2 OF 2)
 STRUCTURE NO. 099-0451

SHEET S3-11 OF S3-11 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	322
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

Bench Mark: Set 2" CWA aluminum disc in north side of concrete base of overhead sign " Exist 126A" on south side of EB I-80, approximately 2000' ± west of River Road. Elev. 582.759.

Existing Structure: None.

Traffic: Traffic will be maintained utilizing Staged Construction. Precast alternative is not allowed.

NOTES:

1. Upstream and downstream channels are to be regraded to align with new culvert.
2. For Section A-A, General Notes, Index of Sheets and Name Plate, see Sheet S4-02.

DESIGN STRESSES

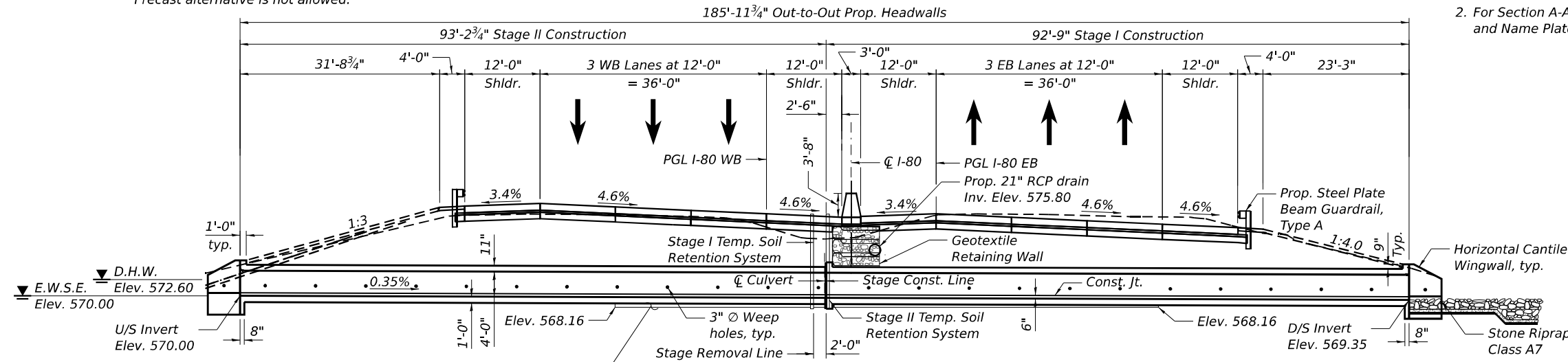
FIELD UNITS
 f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition.

LOADING HL-93

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

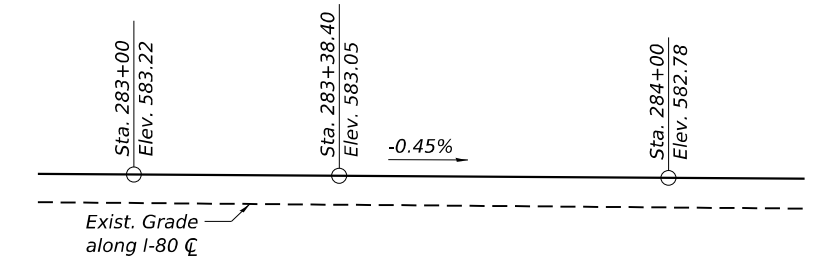


LONGITUDINAL SECTION

Looking East (Upstation)
 (Dimension shown are at right angle to C Roadway)

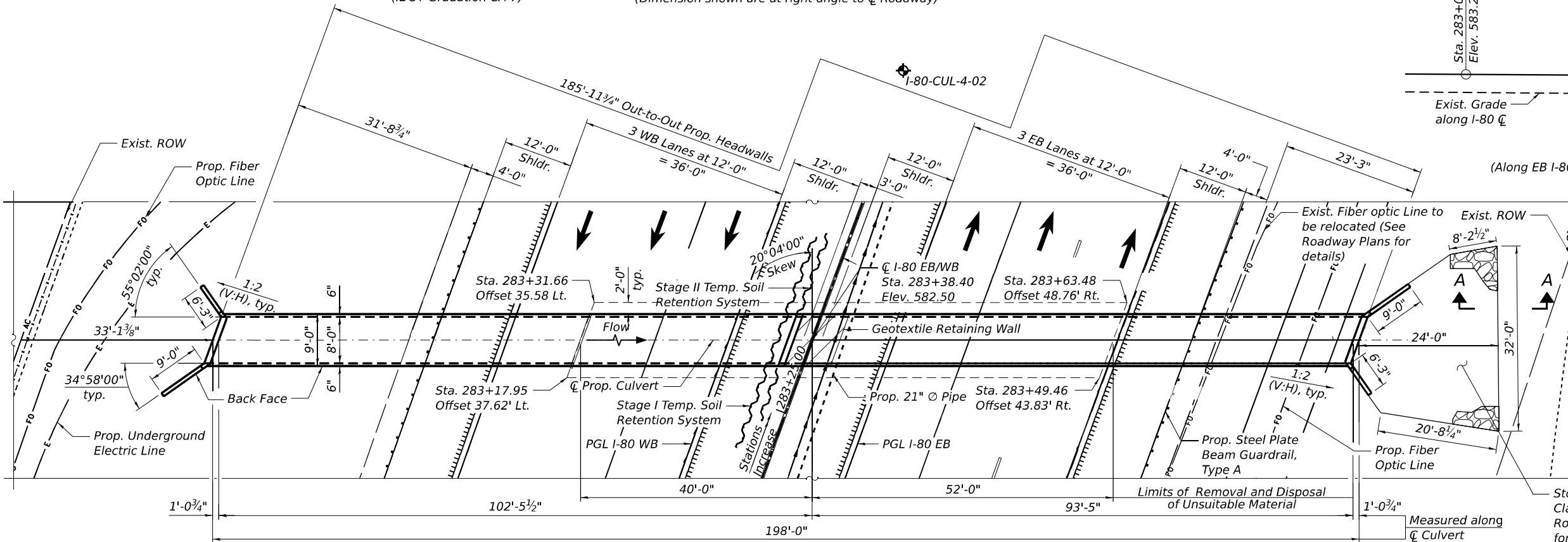
LEGEND:

- ◆ Soil Boring
- - - - - Limit of Rock fill
- E — Electric Line
- FO — Fiber Optic Line
- — — — — Exist. Guardrail
- — — — — Prop. Guardrail
- — — — — Prop. Storm Sewer
- ⊠ Stone Riprap



PROFILE GRADE

(Along EB I-80 and WB I-80, Inside Edge of Pavement)

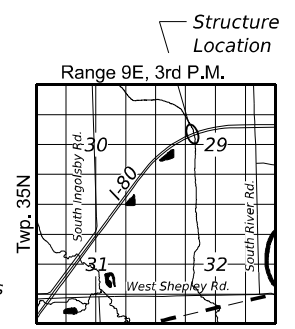


PLAN

WATERWAY INFORMATION

		Exist. Overtopping Elev. = 580.50 at Sta. 289+00		Prop. Overtopping Elev. = 582.21 at Sta. 289+00		
Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²	Nat. H.W.E.	Head - Ft.	Headwater El.
	10	271	31.0	571.6	2.6	574.2
Design	50	414	32.2	572.6	7.1	579.7
Base	100	472	32.2	572.9	8.0	580.9
Overtopping	>500					
Max. Calc.	500	612	32.2	573.7	7.7	581.4

10-Year Velocity through Exist. Culvert = 8.88 ft/s
 10-Year Velocity through Prop. Culvert = 6.49 ft/s



LOCATION SKETCH

GENERAL PLAN & ELEVATION
I-80 EB/WB OVER RIVER ROAD ZONE A

F.A.I. ROUTE I-80

SEC -2021-151-B

WILL COUNTY

STA. 283+38.40

STRUCTURE NO. 099-8339



Signed *Moussa A. Issa*
 Dr. Moussa A. Issa, S.E. IL. Lic. No. 081-005738
 Expires 11-30-2024

Date 3/17/2023 For Sheets S4-01 Thru S4-10

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 099-8339

SHEET S4-01 OF 54-10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	323
CONTRACT NO. 62P71				

ILLINOIS FED. AID PROJECT



USER NAME	DESIGNED	CHECKED	REVISIONS
JJS.EBK	JJS.EBK	MI	-
EBK	EBK	MI	-

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GENERAL NOTES:

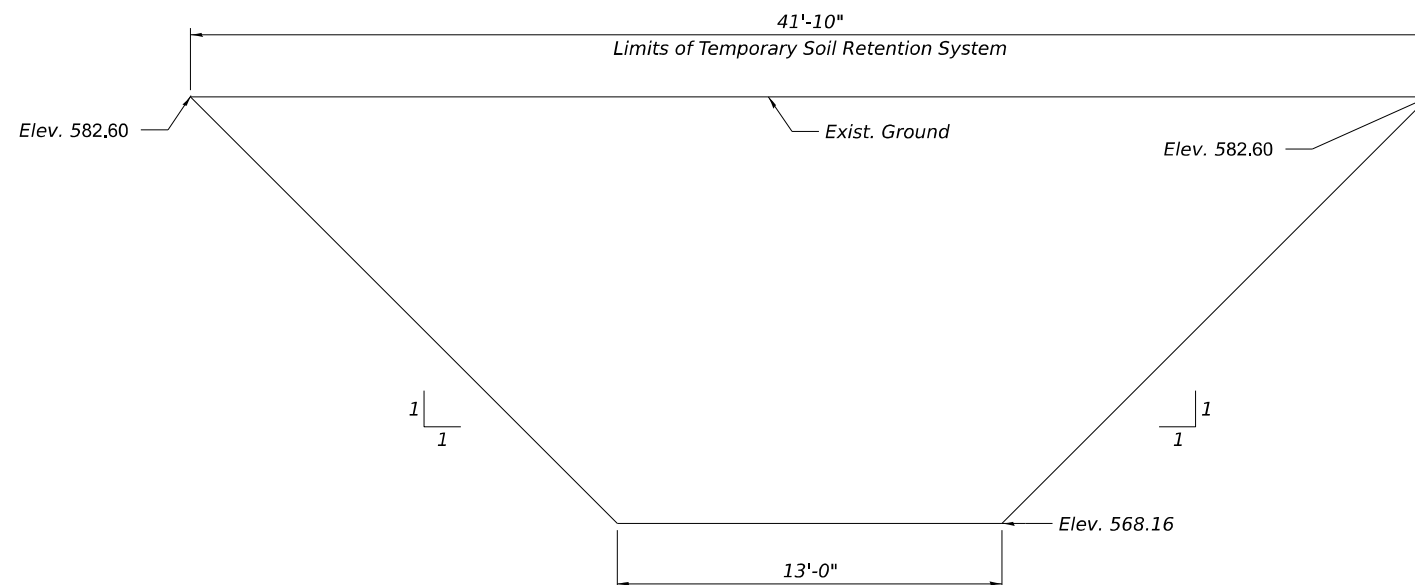
1. A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
2. It will be the responsibility of the Contractor to direct the stream flow during construction in order to keep the construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and cost shall be included with the cost of the Concrete Box Culverts.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. 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.
5. Precast culvert alternate is not allowed.
6. 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.

INDEX OF SHEETS

- S4-01 General Plan & Elevation
- S4-02 General Notes, Index of Sheets & Total Bill of Material
- S4-03 Stage Removal and Construction
- S4-04 Geotextile Wall Details
- S4-05 Culvert Plan Top Slab Details
- S4-06 Culvert Plan Bottom Slab Details
- S4-07 Culvert Sections and Details (Sheet 1 of 2)
- S4-08 Culvert Sections and Details (Sheet 2 of 2)
- S4-09 Bar Splicer Assembly Details
- S4-10 Soil Boring Logs

TOTAL BILL OF MATERIAL

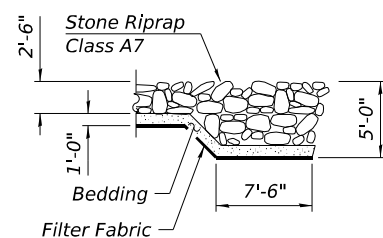
Item	Unit	Total
Porous Granular Backfill	Cu Yd	22
Removal And Disposal Of Unsuitable Material For Structures	Cu Yd	22
Reinforcement Bars	Pound	42,600
Bar Splicers	Each	50
Name Plates	Each	1
Temporary Soil Retention System	Sq Ft	662
Geotextile Retaining Wall	Sq Ft	59
Concrete Box Culverts	Cu Yd	163.7



NOTE:

1. For Stone Riprap, Class A7 and Filter Fabric pay items, see Roadway Plans.

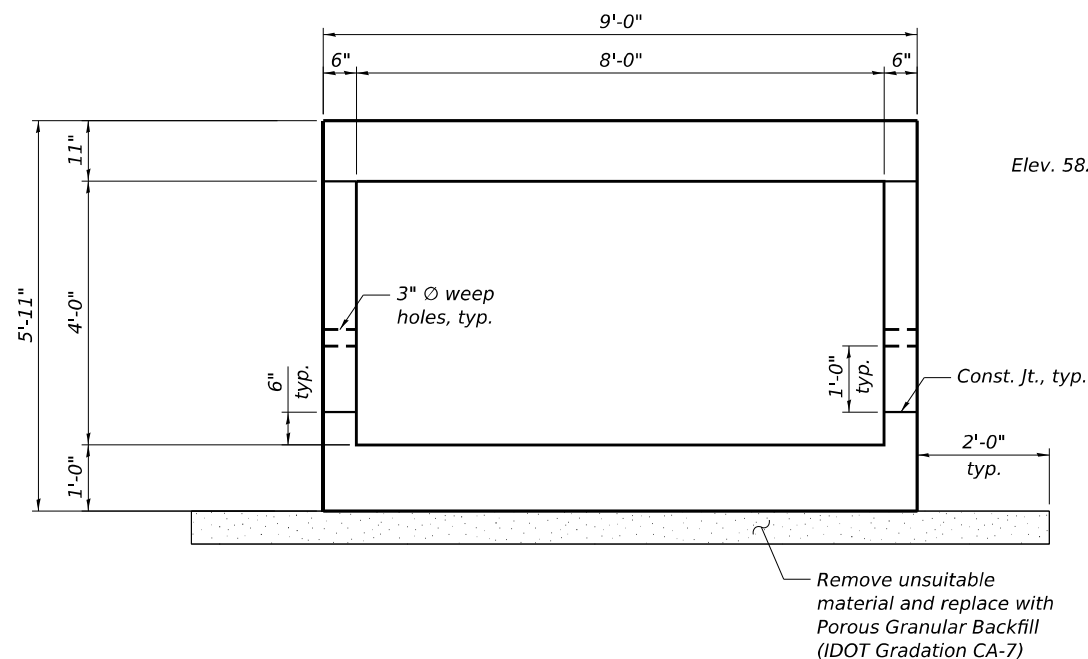
STAGE I - TEMPORARY SOIL RETENTION SYSTEM



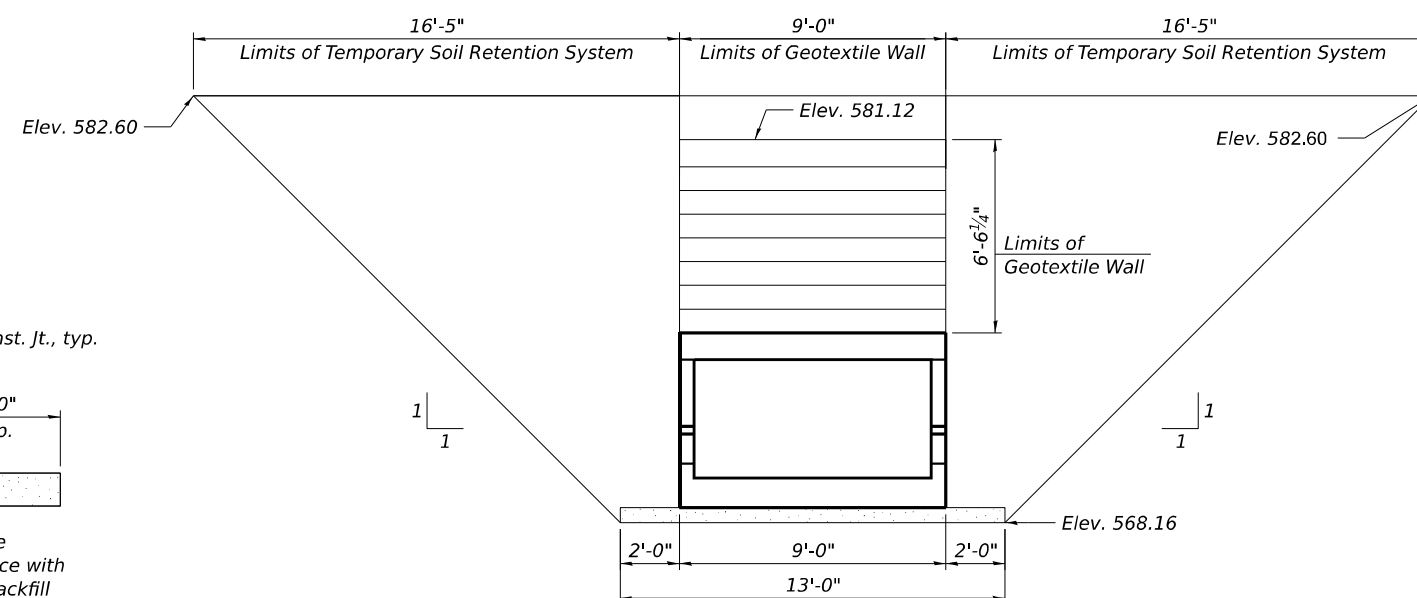
SECTION A-A

STATION 283+38.40
 BUILT 20__ BY
 STATE OF ILLINOIS
 F.A.I. RTE. I-80
 SECTION 2021-151-B
 LOADING HL-93
 STRUCTURE NO. 099-8339

NAME PLATE
 See Std. 515001



SECTION THRU BARREL



STAGE II - TEMPORARY SOIL RETENTION SYSTEM

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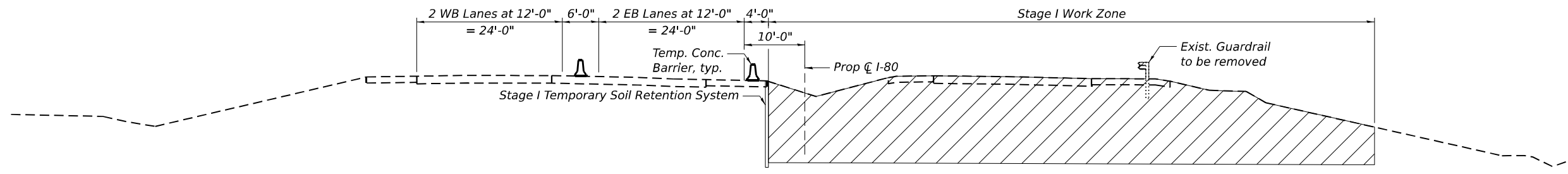
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PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE =	DRAWN - EBK	REVISED -
	CHECKED - MI	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES, INDEX OF SHEETS & TOTAL BILL OF MATERIAL
 STRUCTURE NO. 099-8339
 SHEET S4-02 OF 54-10 SHEETS

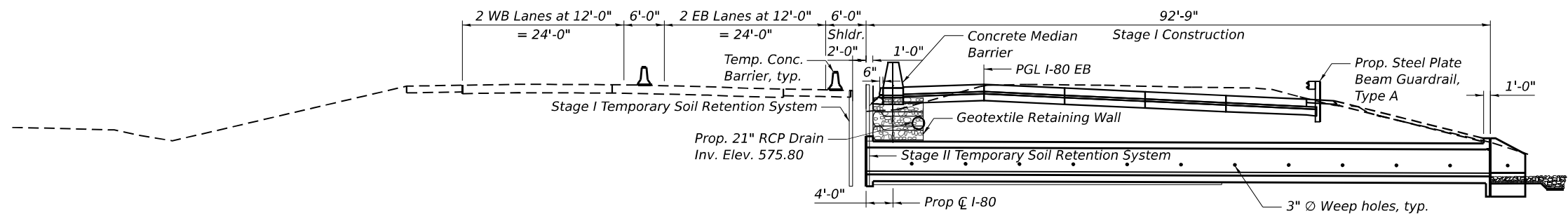
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	324
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62P71	

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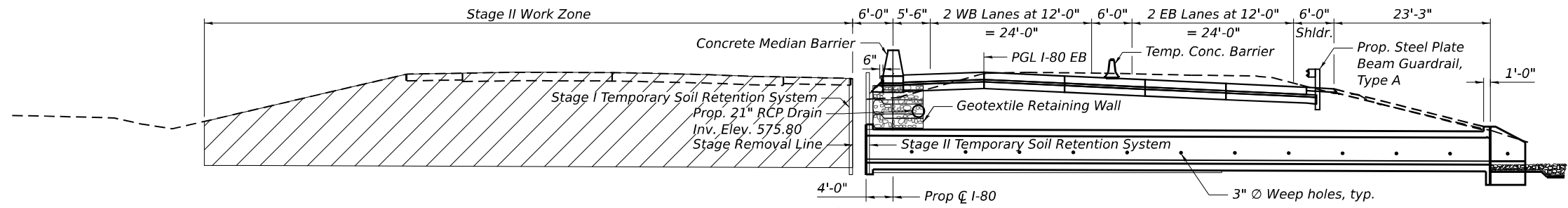
STAGE I REMOVAL

- STAGE I REMOVAL**
1. Install temporary concrete barrier as shown to locate construction work areas on the EB side of the roadway.
 2. Install Temporary Soil Retention System as shown.
 3. Remove portions of existing pavement on EB side of the roadway.



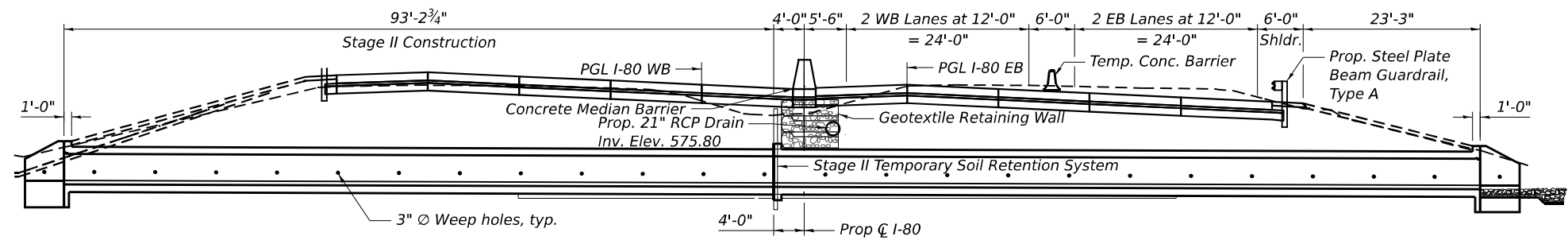
STAGE I CONSTRUCTION

- STAGE I CONSTRUCTION**
1. Construct 98'-8⁷/₈" portion of the south culvert barrel and construct the south headwall and wingwalls.
 2. Construct the pavement and shoulder on EB side of the roadway.



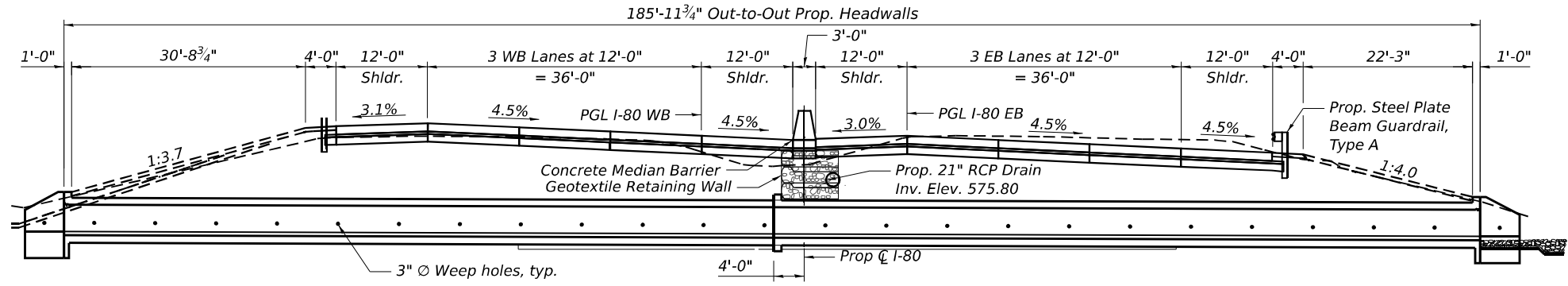
STAGE II REMOVAL

- STAGE II REMOVAL**
1. Install temporary concrete barrier as shown to locate construction work areas on the WB side of the roadway.
 2. Install Temporary Soil Retention System as shown.
 3. Remove portions of existing pavement on WB side of the roadway.



STAGE II CONSTRUCTION

- STAGE II CONSTRUCTION**
1. Construct 99'-3³/₈" portion of the north culvert barrel and construct the north headwall and wingwalls.
 2. Construct the pavement and shoulder on WB side of the roadway.



FINAL CROSS SECTION



USER NAME =	DESIGNED - JJS, EBK	REVISED -
PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE =	DRAWN - EBK	REVISED -
	CHECKED - MI	REVISED -

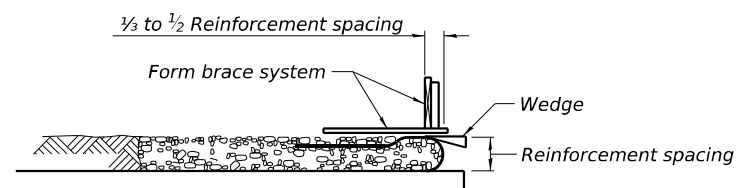
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STAGE REMOVAL AND CONSTRUCTION
 STRUCTURE NO. 099-8339

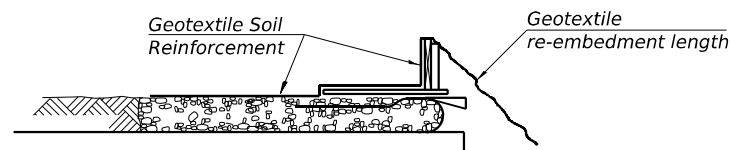
SHEET S4-03 OF S4-10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	325
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

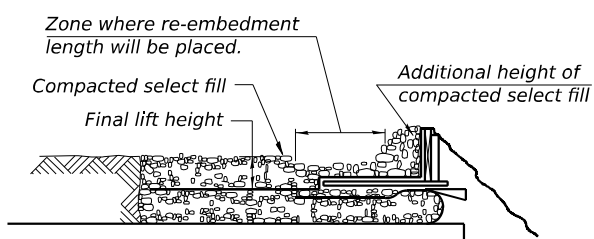
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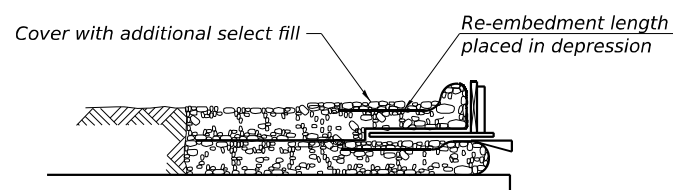
1. Place form brace system on completed reinforcement level; back from the finished fabric face a distance of 1/3 to 1/2 the geotextile reinforcement spacing.



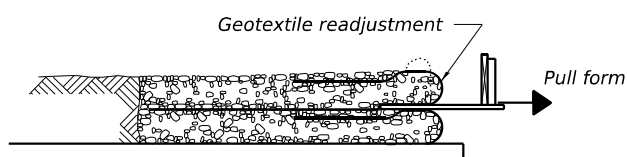
2. Position fabric so that the required geotextile re-embedment length extends over the top of the form brace and the design reinforcement width is placed with no slack against the previous level.



3. Compact select fill material in lifts to final lift height, create (±3") depression in zone where re-embedment length will be located and place additional height of compacted select fill against form brace.



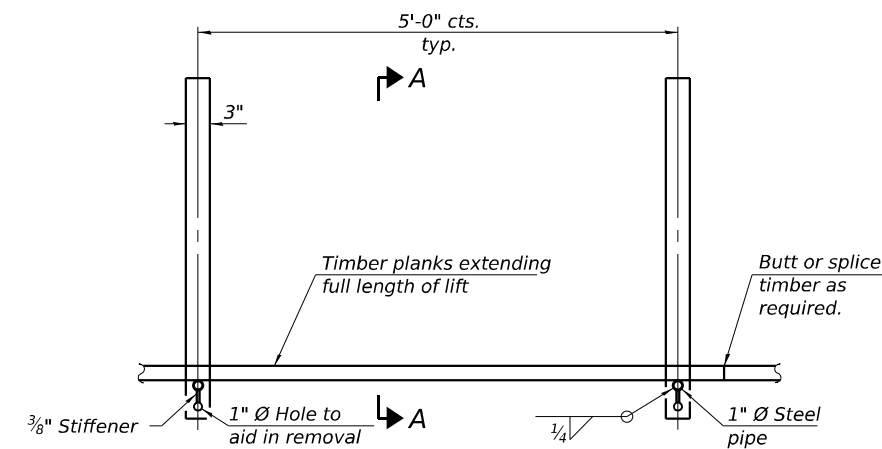
4. Fold geotextile re-embedment length back over form brace into zone where depression was made in select fill and place additional select fill (±3") to embed geotextile and bring to final lift height.



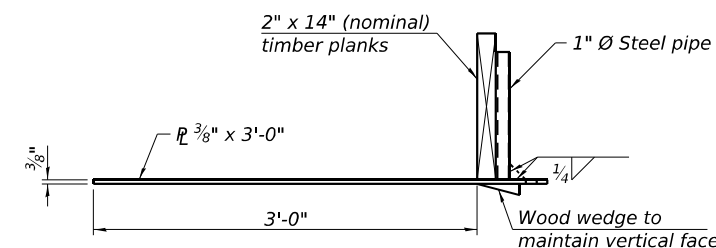
5. Pull form brace outward allowing geotextile face to slightly readjust to form tight round face level with plan reinforcement spacing.

GEOTEXTILE WALL CONSTRUCTION SEQUENCE

Note:
 The geotextile soil reinforcement shall have a minimum allowable tensile strength (T min.) of 50 lb./in. as determined by the procedure described in the Special Provision. The computations supporting the determination of (T min.) shall be submitted to the engineer for approval.



PLAN



SECTION A-A

Note:
 This is a suggested detail, the Contractor is responsible for the design of the form brace system to be used.

GEOTEXTILE FORM BRACE DETAIL



USER NAME =	DESIGNED - JJS, EBK	REVISED -
	CHECKED - MI	REVISED -
PLOT SCALE =	DRAWN - EBK	REVISED -
PLOT DATE =	CHECKED - MI	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GEOTEXTILE WALL DETAILS
 STRUCTURE NO. 099-8339

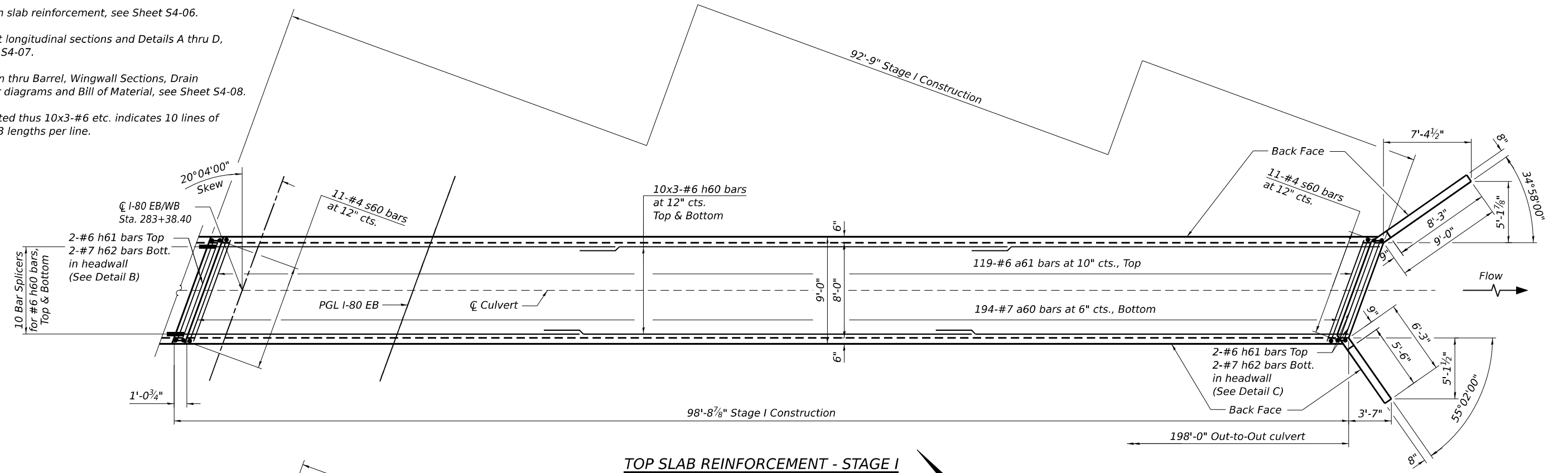
SHEET S4-04 OF S4-10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	326
CONTRACT NO. 62P71				

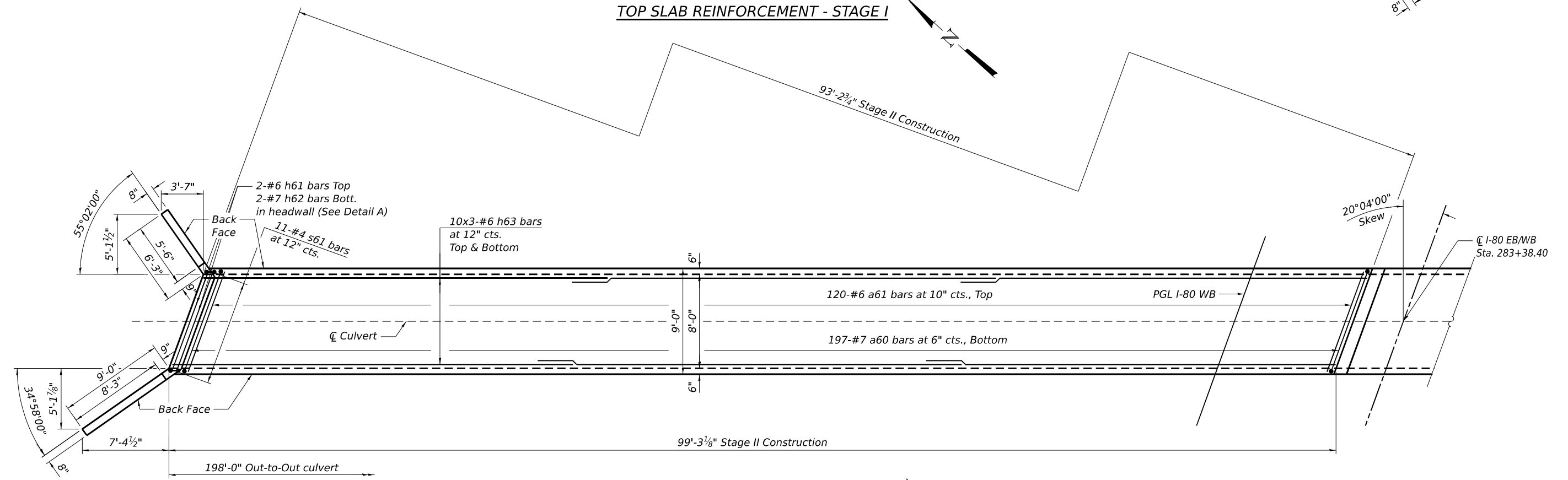
ILLINOIS FED. AID PROJECT

NOTES:

1. For bottom slab reinforcement, see Sheet S4-06.
2. For culvert longitudinal sections and Details A thru D, see Sheet S4-07.
3. For Section thru Barrel, Wingwall Sections, Drain Detail, bar diagrams and Bill of Material, see Sheet S4-08.
4. Bar indicated thus 10x3-#6 etc. indicates 10 lines of bars with 3 lengths per line.



TOP SLAB REINFORCEMENT - STAGE I



TOP SLAB REINFORCEMENT - STAGE II

MODEL: Default
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USER NAME =	DESIGNED - JJS, EBK	REVISED -
PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE =	DRAWN - EBK	REVISED -
	CHECKED - MI	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

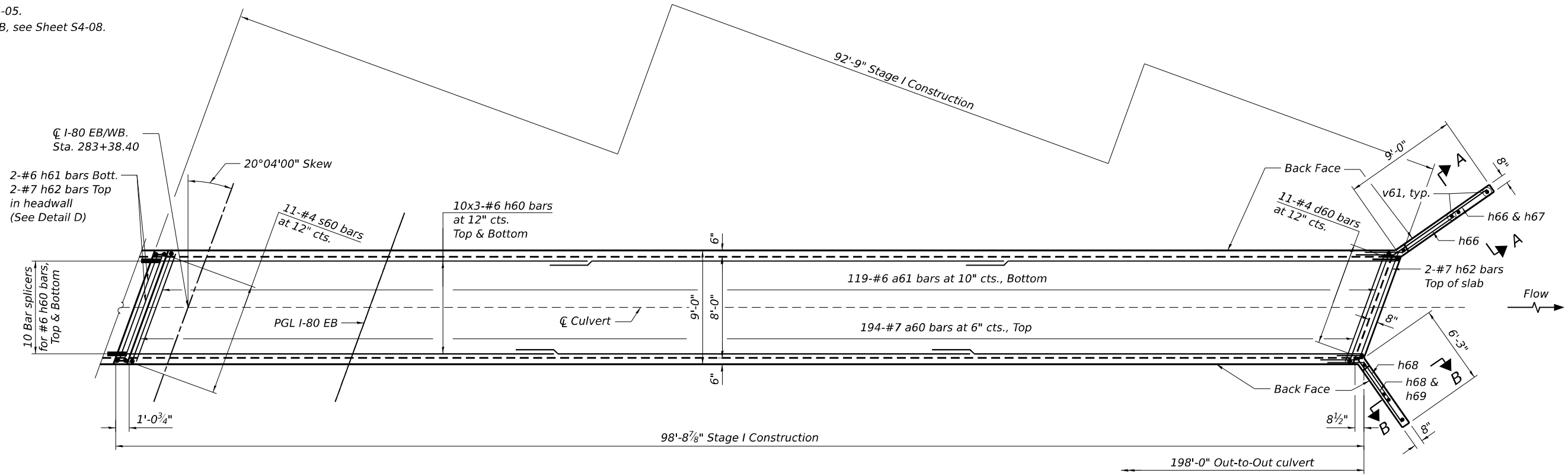
CULVERT PLAN TOP SLAB DETAILS
STRUCTURE NO. 099-8339

SHEET S4-05 OF S4-10 SHEETS

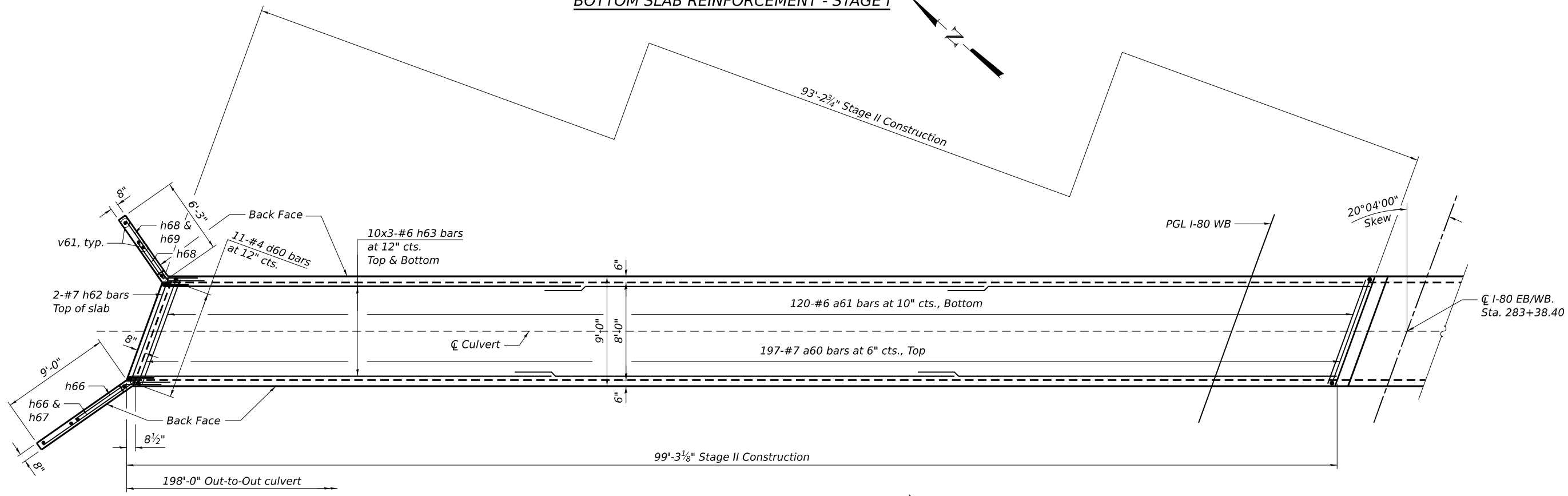
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	327
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

NOTE:

1. For Notes, see Sheet S4-05.
2. For Sections A-A and B-B, see Sheet S4-08.



BOTTOM SLAB REINFORCEMENT - STAGE I



BOTTOM SLAB REINFORCEMENT - STAGE II

MODEL: Default
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PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE =	DRAWN - EBK	REVISED -
	CHECKED - MI	REVISED -

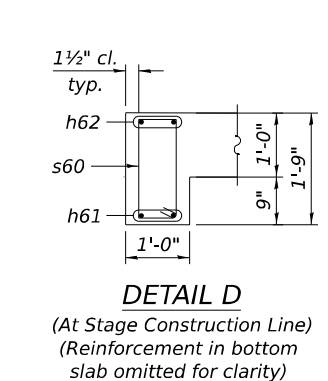
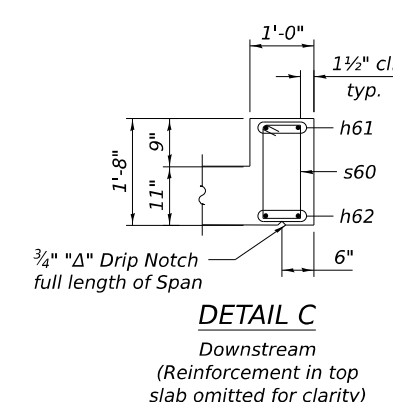
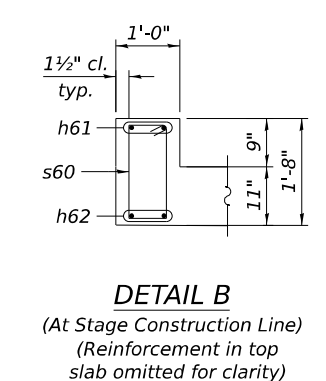
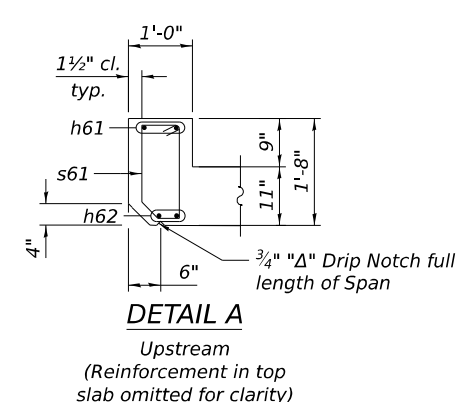
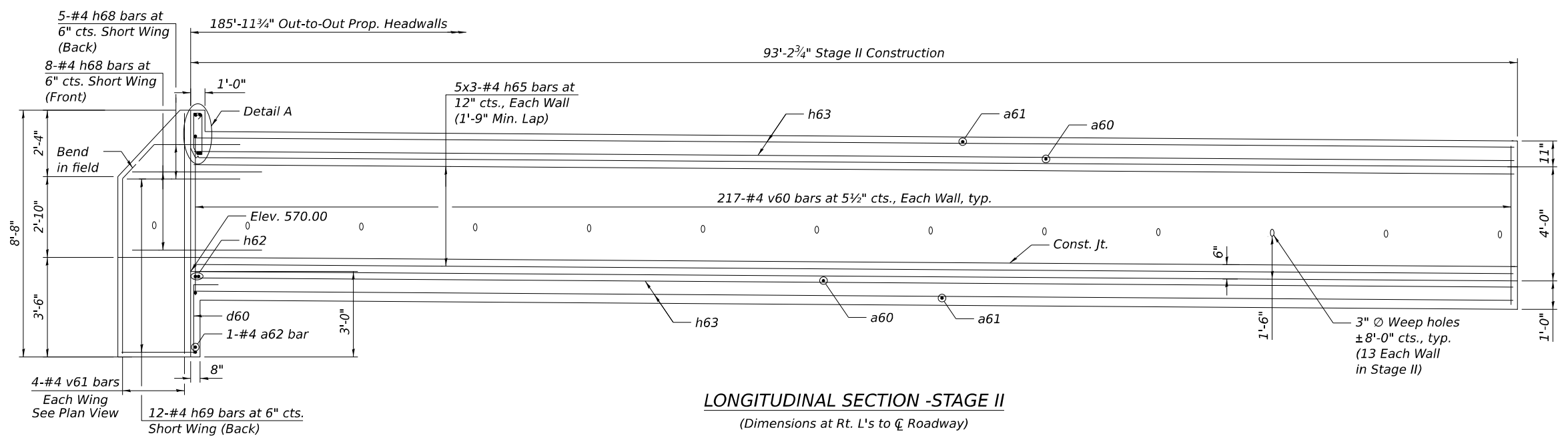
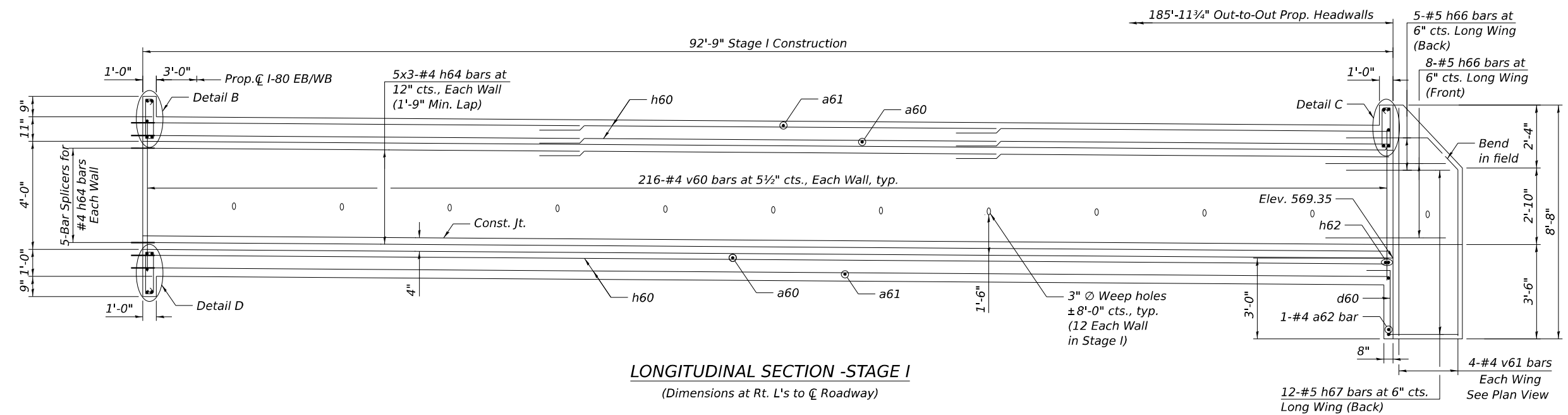
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT PLAN BOTTOM SLAB DETAILS
STRUCTURE NO. 099-8339

SHEET S4-06 OF S4-10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	328
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

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PLOT DATE =	DRAWN - EBK	REVISED -
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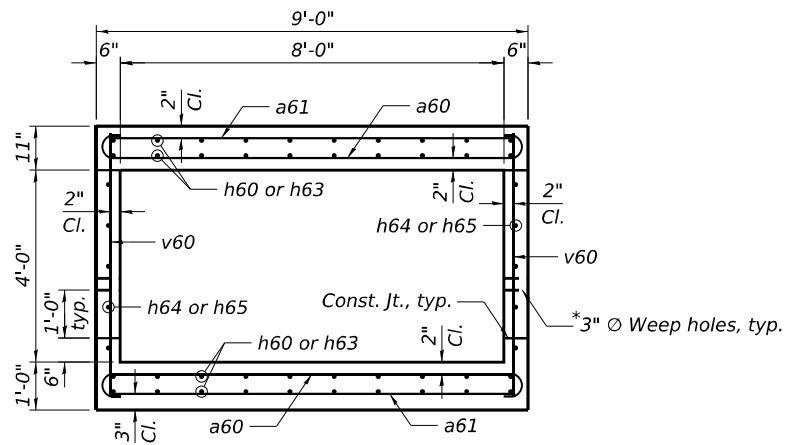
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS AND DETAILS (SHEET 1 OF 2)
 STRUCTURE NO. 099-8339

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	329
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

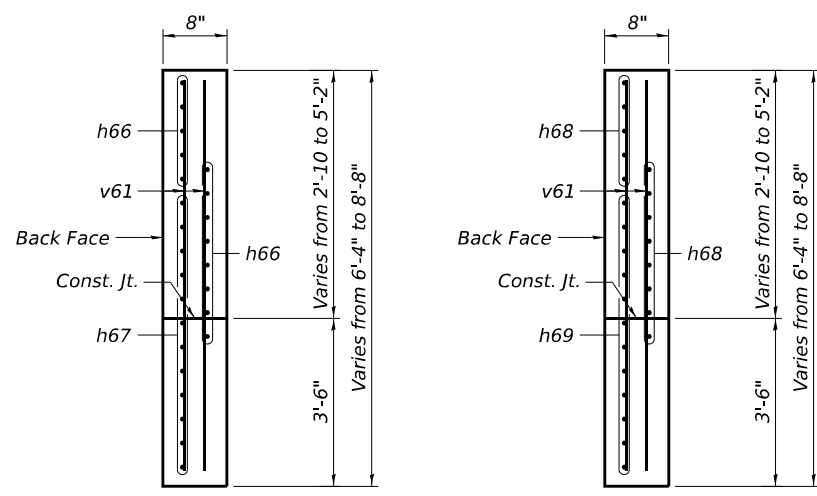
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a60	782	#7	10'-11"	
a61	478	#6	9'-3"	—
a62	2	#4	9'-3"	—
d60	22	#4	4'-5"	
h60	120	#6	34'-7"	—
h61	8	#6	9'-3"	—
h62	12	#7	9'-3"	—
h63	120	#6	34'-9"	—
h64	30	#4	34'-0"	—
h65	30	#4	34'-2"	—
h66	26	#5	8'-0"	
h67	24	#5	12'-0"	
h68	26	#4	8'-0"	
h69	24	#4	9'-3"	
s60	33	#4	5'-1"	
s61	11	#4	4'-11"	
v60	866	#4	5'-6"	—
v61	16	#4	8'-4"	—
Reinforcement Bars			Pound	42,600
Concrete Box Culverts			Cu Yd	163.7



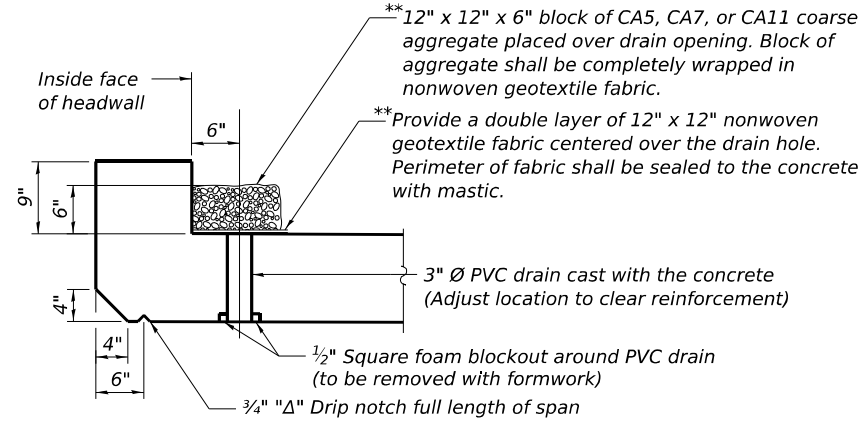
SECTION THRU BARREL

NOTE:
1. For Notes, see Sheet S4-05.

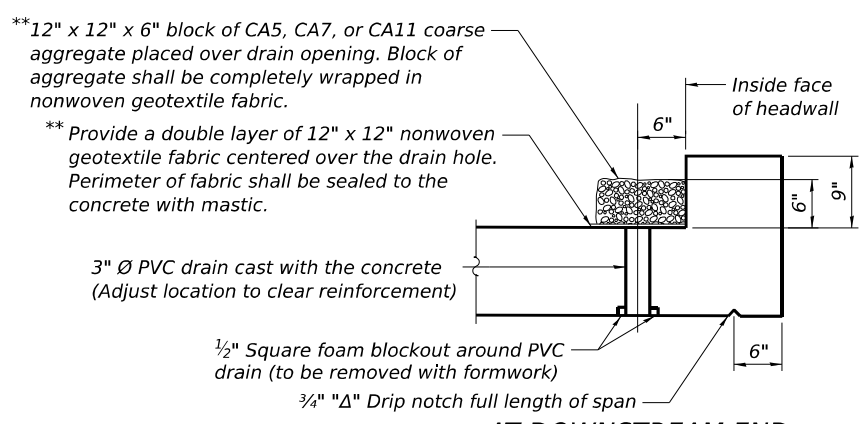


SECTION A-A

SECTION B-B

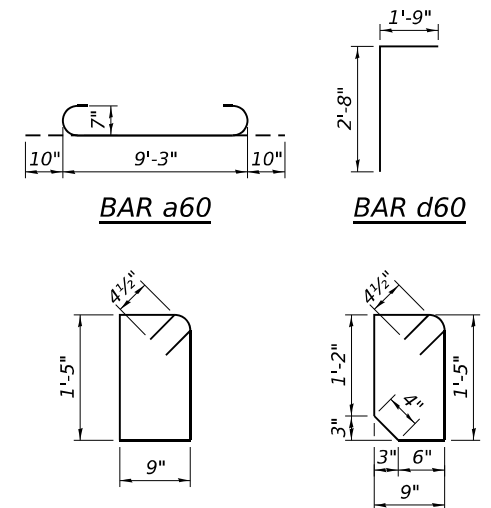


AT UPSTREAM END



AT DOWNSTREAM END

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	A	B	C
h66	5'-0"	3'-0"	2'-5 1/2"
h67	9'-0"	3'-0"	2'-5 1/2"
h68	5'-0"	3'-0"	1'-8 3/4"
h69	6'-3"	3'-0"	1'-8 3/8"

MIN. BAR LAP
#4 = 1'-9"
#6 = 2'-7"

* Cost included in Concrete Box Culverts.
** 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.

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PLOT DATE =	DRAWN - EBK	REVISED -
	CHECKED - MI	REVISED -

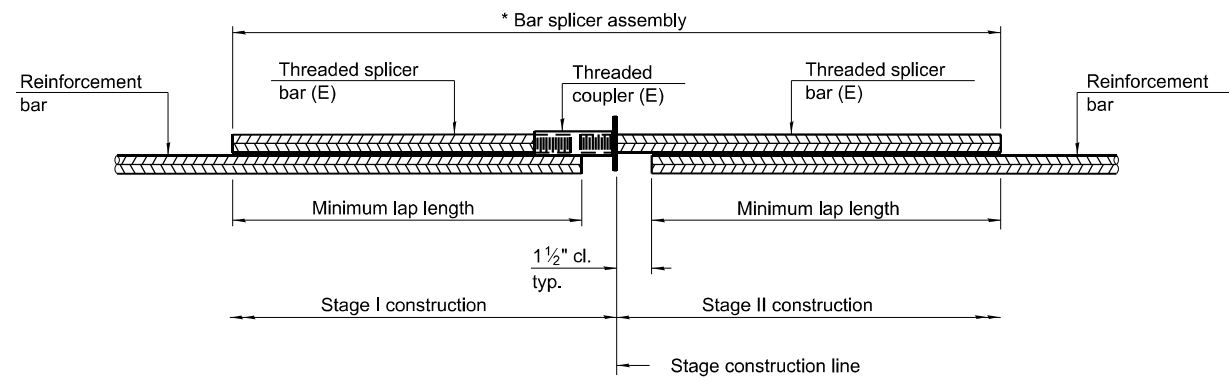
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CULVERT SECTION AND DETAILS (SHEET 2 OF 2)
STRUCTURE NO. 099-8339**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	330
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

SHEET S4-08 OF 54-10 SHEETS

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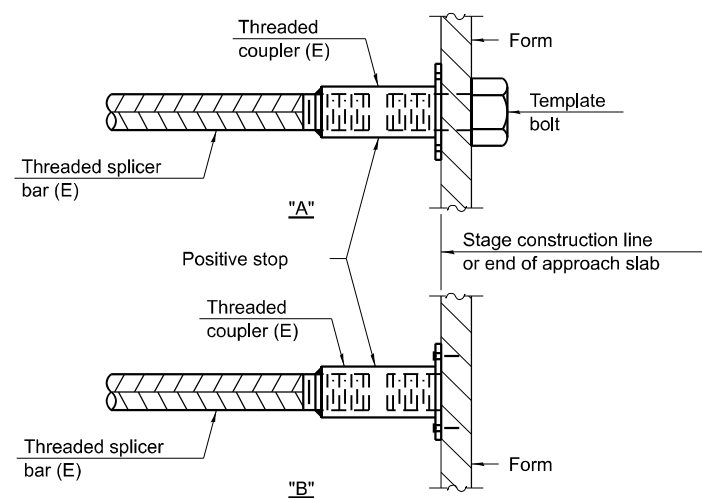
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

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

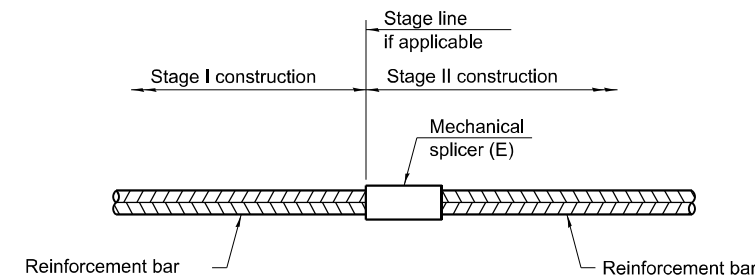
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Top Slab	#6	20	2'-7"
Bottom Slab	#6	20	2'-7"
Side Walls	#4	10	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.
 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 2-1-2023



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PLOT SCALE =	CHECKED - MI	REVISED -
PLOT DATE =	DRAWN - EBK	REVISED -
	CHECKED - MI	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY DETAILS
 STRUCTURE NO. 099-8339

SHEET S4-09 OF S4-10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	331
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

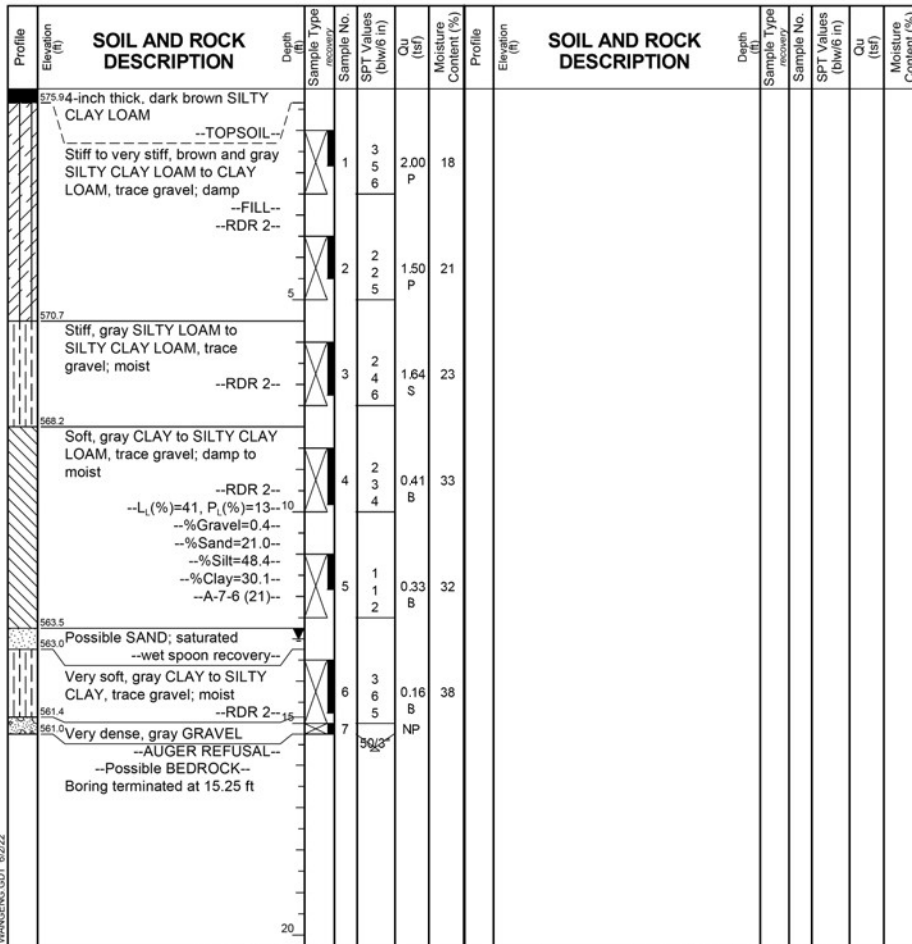
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Wang Engineering
 wangeng@wangeng.com
 Telephone: _____ Fax: _____

BORING LOG I-80-CUL-4-01 Page 1 of 1

WEI Job No.: 255-39-01
 Client: Stantec
 Project: I-80 Reconstruction, Ridge Road to Houbolt Road
 Location: Will County, Illinois

Datum: NAVD 88
 Elevation: 576.24 ft
 North: 1755073.57 ft
 East: 1014281.80 ft
 Station: 284+75.75
 Offset: 94.47 LT



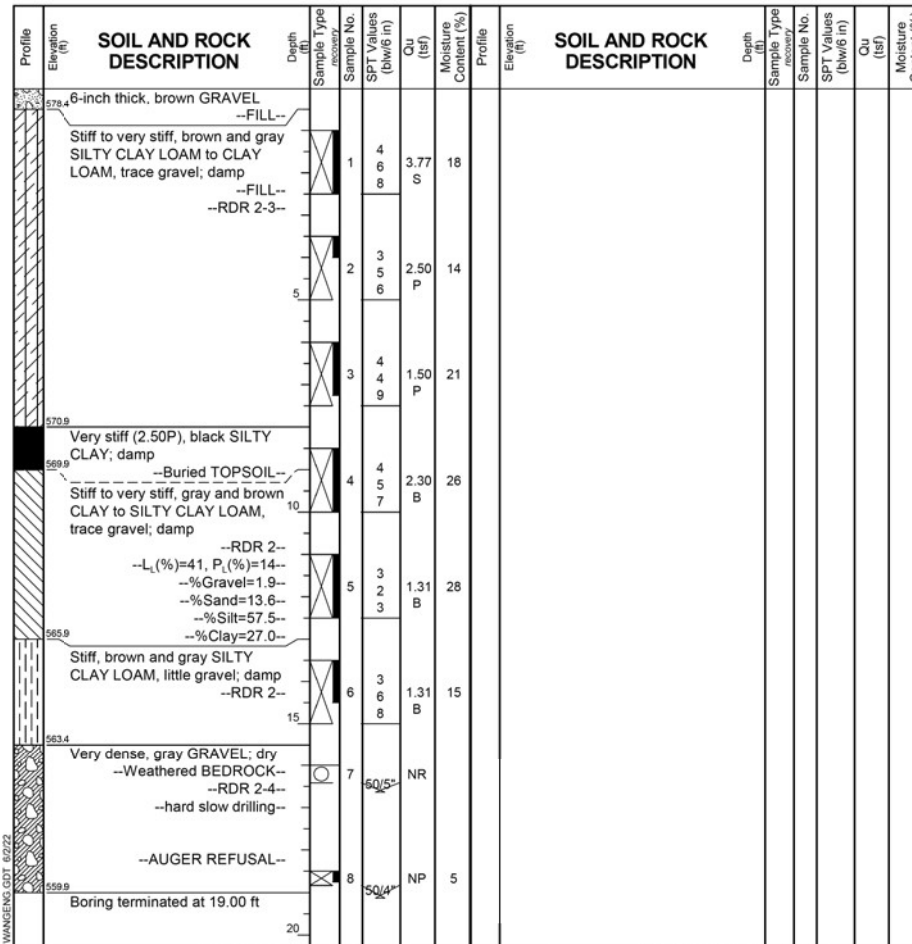
GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-26-2022	Complete Drilling	04-26-2022
Drilling Contractor	Wang Testing Services	Drill Rig	20D25A [83%]
Driller	KG&JD	Logger	M. Rojo
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" ID HSA; boring backfilled upon completion	Depth to Water	NA

Wang Engineering
 wangeng@wangeng.com
 Telephone: _____ Fax: _____

BORING LOG I-80-CUL-4-02 Page 1 of 1

WEI Job No.: 255-39-01
 Client: Stantec
 Project: I-80 Reconstruction, Ridge Road to Houbolt Road
 Location: Will County, Illinois

Datum: NAVD 88
 Elevation: 578.85 ft
 North: 1754954.54 ft
 East: 1014231.82 ft
 Station: 283+87.56
 Offset: 1.20 LT



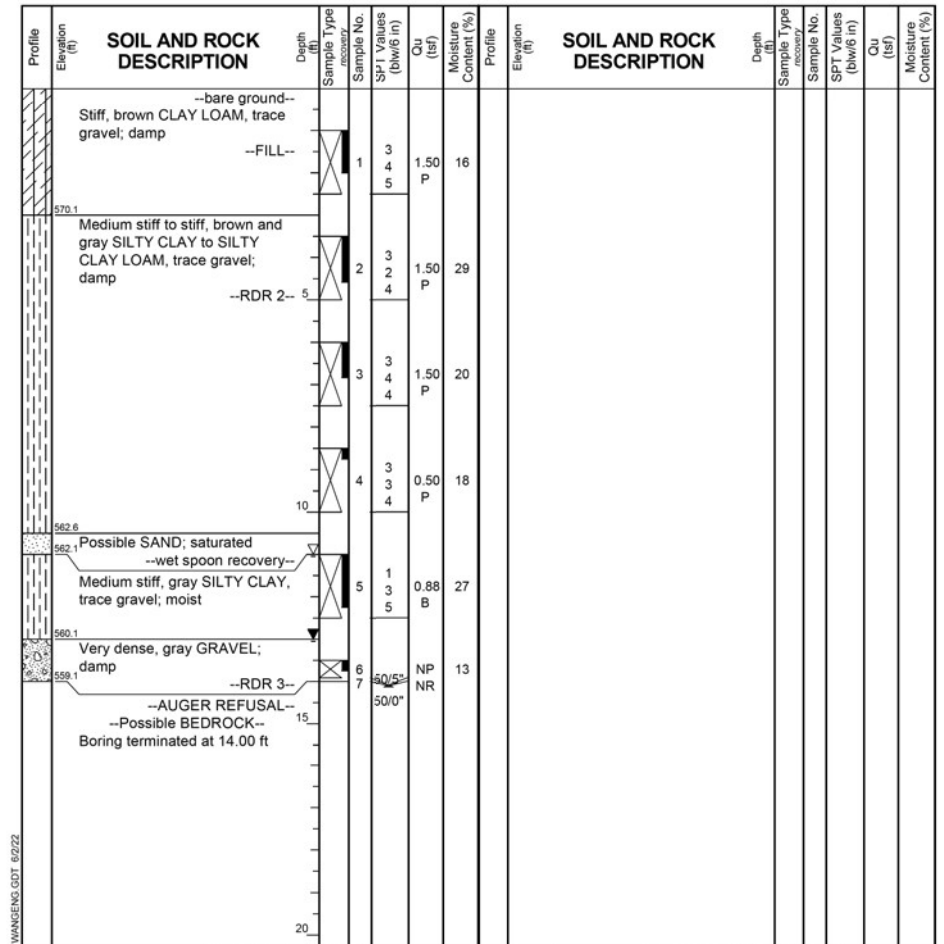
GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-25-2022	Complete Drilling	04-25-2022
Drilling Contractor	Wang Testing Services	Drill Rig	20D25A [83%]
Driller	P&T	Logger	M. Sadowski
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" ID HSA; boring backfilled upon completion	Depth to Water	NA

Wang Engineering
 wangeng@wangeng.com
 Telephone: _____ Fax: _____

BORING LOG I-80-CUL-4-03 Page 1 of 1

WEI Job No.: 255-39-01
 Client: Stantec
 Project: I-80 Reconstruction, Ridge Road to Houbolt Road
 Location: Will County, Illinois

Datum: NAVD 88
 Elevation: 573.06 ft
 North: 1754882.10 ft
 East: 1014308.83 ft
 Station: 284+33.59
 Offset: 94.26 RT



GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-26-2022	Complete Drilling	04-26-2022
Drilling Contractor	Wang Testing Services	Drill Rig	20D25A [83%]
Driller	KG&JD	Logger	M. Rojo
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" ID HSA; boring backfilled upon completion	Depth to Water	NA



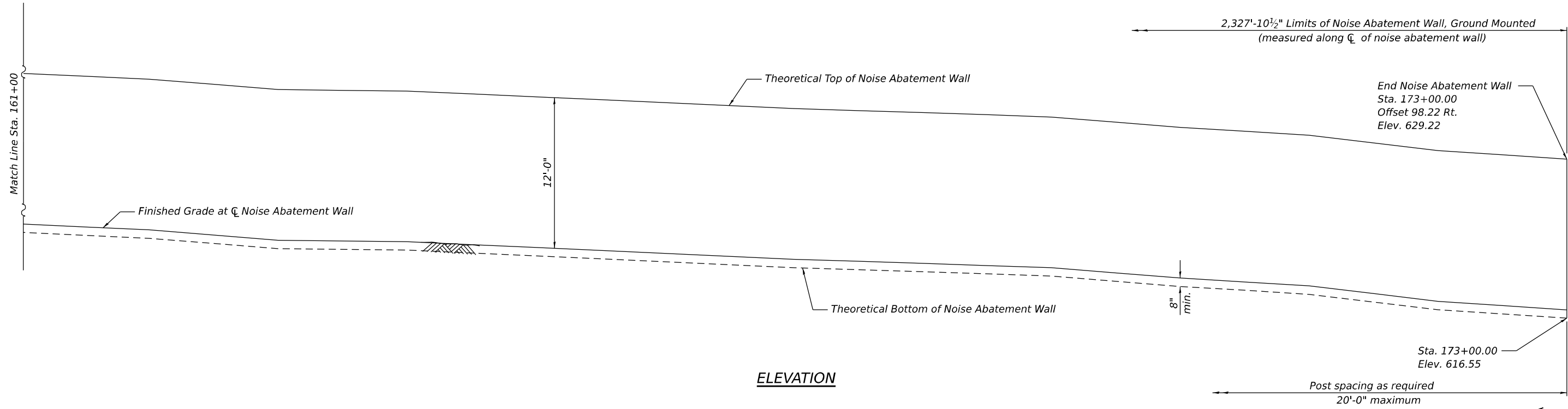
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PLOT SCALE =	CHECKED - MI	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

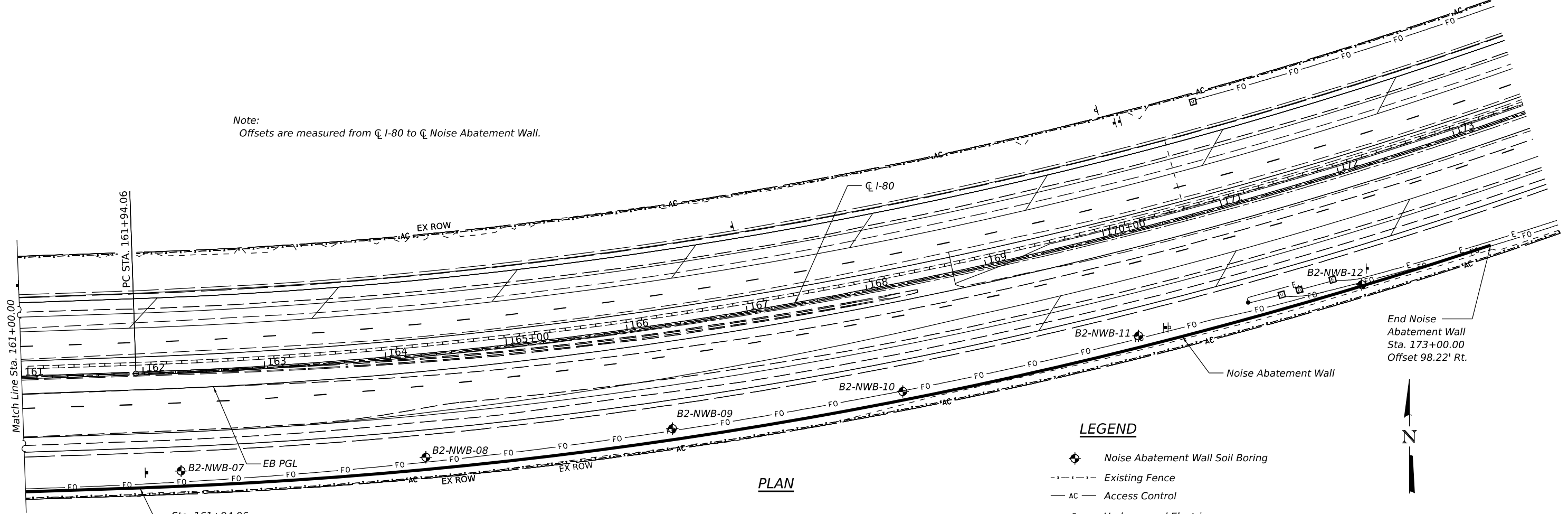
SOIL BORING LOGS
 STRUCTURE NO. 099-8339

SHEET S4-10 OF S4-10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2021-151-B	WILL	477	332
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				



ELEVATION



PLAN

LEGEND

- ◆ Noise Abatement Wall Soil Boring
- · - · - Existing Fence
- AC - Access Control
- E - Underground Electric
- FO - Fiber Optic

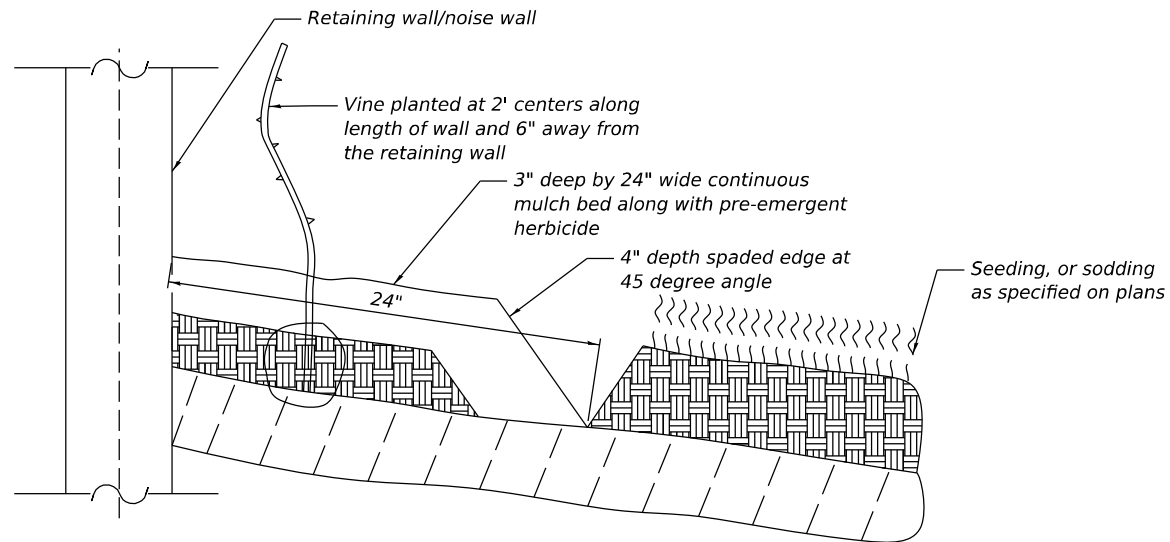


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	CHECKED - CZ	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	334
CONTRACT NO. 62P71			ILLINOIS FED. AID PROJECT	

GENERAL NOTES

1. See Roadway Plans for Profile and Horizontal Curve data.
2. Contractor shall follow requirements of Guide Bridge Special Provision "Noise Abatement Wall, Ground Mounted" for material, design, fabrication, construction and erection requirements of the proposed Noise Abatement Wall.
3. The Contractor shall field verify location of the existing utilities prior to construction. The Contractor shall take precautions not to damage existing utilities. Any such damage shall be repaired by the Contractor at no additional cost.
4. Noise Abatement Wall drilled shaft foundation diameter, depth and spacing to be determined by the Contractor.
5. Contractor shall provide 4" Ø weep holes at ground level in the bottom of the wall at a spacing of 8 ft, when ground surface slopes indicate that ponding at the wall face is a concern.
6. Contractor shall provide Ashlar Stone Finish on both faces of Noise Abatement Wall.



VINE PLANTING DETAIL
(Not to scale)

Note:
Vine Planting Detail is provided for reference only. Vine plantings are not included in this contract and will be installed by a future landscape contract.

NOISE ABATEMENT WALL
BUILT 20__ BY
STATE OF ILLINOIS
F.A.I. RT. 80
SEC. 2021-154-R
FROM STA. 150+00.00 TO STA. 173+00.00
STRUCTURE NO. 032-N8800

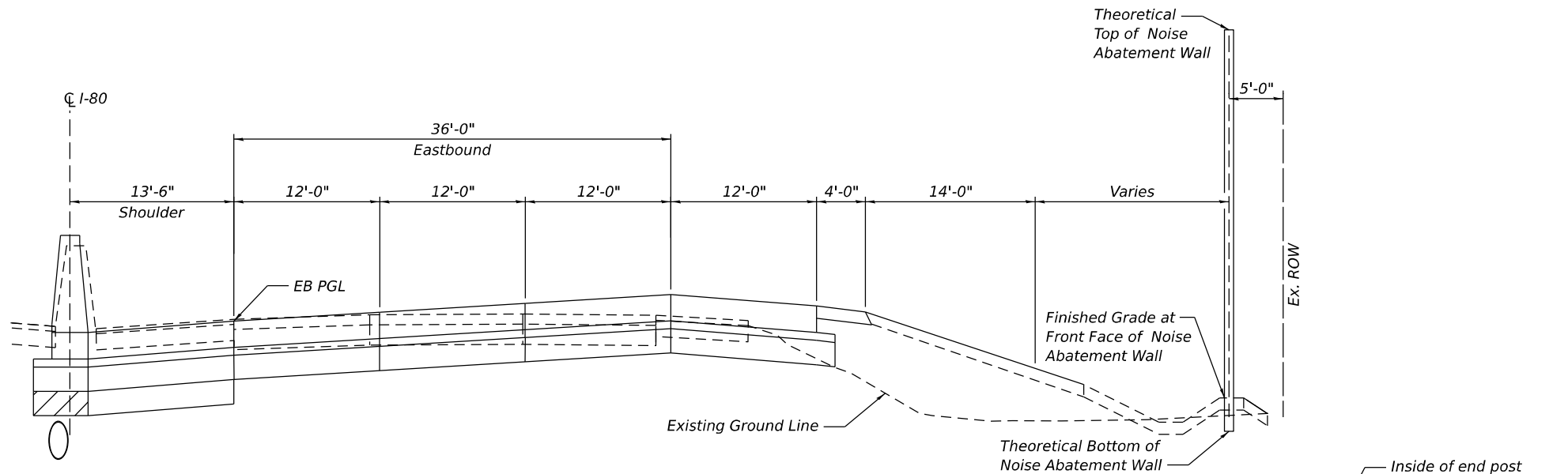
NAME PLATE
See Std. 515001

NOISE REDUCTION DATA

Noise Wall	Face	From Sta.	To Sta.	Noise Reduction Coefficient	Comments
032-N8800	I-80 face	150+00.00	173+00.00	Reflective	-
	residential face	150+00.00	173+00.00	Reflective	-

NOISE ABATEMENT WALL DATA TABLE

Station	Offset to C Wall (ft)	Theor. Top of NAW Elev.	Finished Grade Elev. at Front Face of NAW	Theor. Bottom of NAW Elev.
150+00	93.93	636.48	624.48	623.81
150+50	93.99	636.68	624.68	624.01
151+00	94.06	636.01	624.01	623.34
151+50	94.12	635.38	623.38	622.71
152+00	94.18	634.93	622.93	622.26
152+50	94.25	635.20	623.20	622.53
153+00	94.31	635.62	623.62	622.95
153+50	94.37	635.43	623.43	622.76
154+00	94.44	634.89	622.89	622.22
154+50	94.50	634.86	619.64	618.97
155+00	94.56	634.83	622.83	622.16
155+50	94.63	635.39	623.39	622.72
156+00	94.69	635.68	623.68	623.01
156+50	94.75	635.70	623.70	623.03
157+00	94.82	635.54	623.54	622.87
157+50	94.88	635.51	623.51	622.84
158+00	94.94	635.42	623.42	622.75
158+50	95.01	635.41	623.41	622.74
159+00	95.07	636.50	624.50	623.83
159+50	95.14	636.50	624.50	623.83
160+00	95.20	636.50	624.50	623.83
160+50	95.26	636.27	624.27	623.60
161+00	95.33	636.04	624.04	623.37
161+50	95.39	635.81	623.81	623.14
162+00	95.46	635.58	623.58	622.91
162+50	95.65	635.17	623.17	622.50
163+00	95.83	634.75	622.75	622.08
163+50	96.01	634.70	622.70	622.03
164+00	96.18	634.64	622.64	621.97
164+50	96.35	634.41	622.41	621.74
165+00	96.51	634.18	622.18	621.51
165+50	96.66	633.95	621.95	621.28
166+00	96.81	633.71	621.71	621.04
166+50	96.95	633.48	621.48	620.81
167+00	97.09	633.24	621.24	620.57
167+50	97.22	633.08	621.08	620.41
168+00	97.34	632.92	620.92	620.25
168+50	97.46	632.75	620.75	620.08
169+00	97.57	632.57	620.57	619.90
169+50	97.67	632.16	620.16	619.49
170+00	97.77	631.75	619.75	619.08
170+50	97.86	631.44	619.44	618.77
171+00	97.95	631.12	619.12	618.45
171+50	98.02	630.51	618.51	617.84
172+00	98.09	629.89	617.89	617.22
172+50	98.16	629.56	617.56	616.89
173+00	98.22	629.22	617.22	616.55



INDEX OF SHEETS

1. General Plan & Elevation I
2. General Plan & Elevation II
3. General Details
- 4-7. Soil Boring Data

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition
2002 AASHTO Guide Specifications for Structural Design of Sound Barriers

DESIGN LOADS

Strength III or V Wind: 35 psf
Service I Wind: 15 psf

TYPICAL SECTION THRU WALL

DESIGN STRESSES

FIELD UNITS

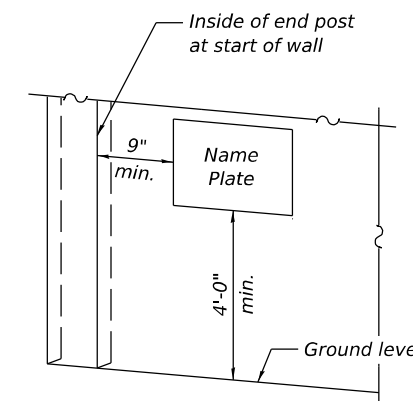
$f_c = 4,000$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (Struct. Steel, M270 Grade 50, posts)
 $f_y = 36,000$ psi (Struct. Steel, M270 Grade 36, all other structural steel)

PRECAST UNITS

$f_c = 4,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 65,000$ psi (Welded Wire Reinforcement)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Noise Abatement Wall, Ground Mounted	Sq. Ft.	29,568
Name Plates	Each	1

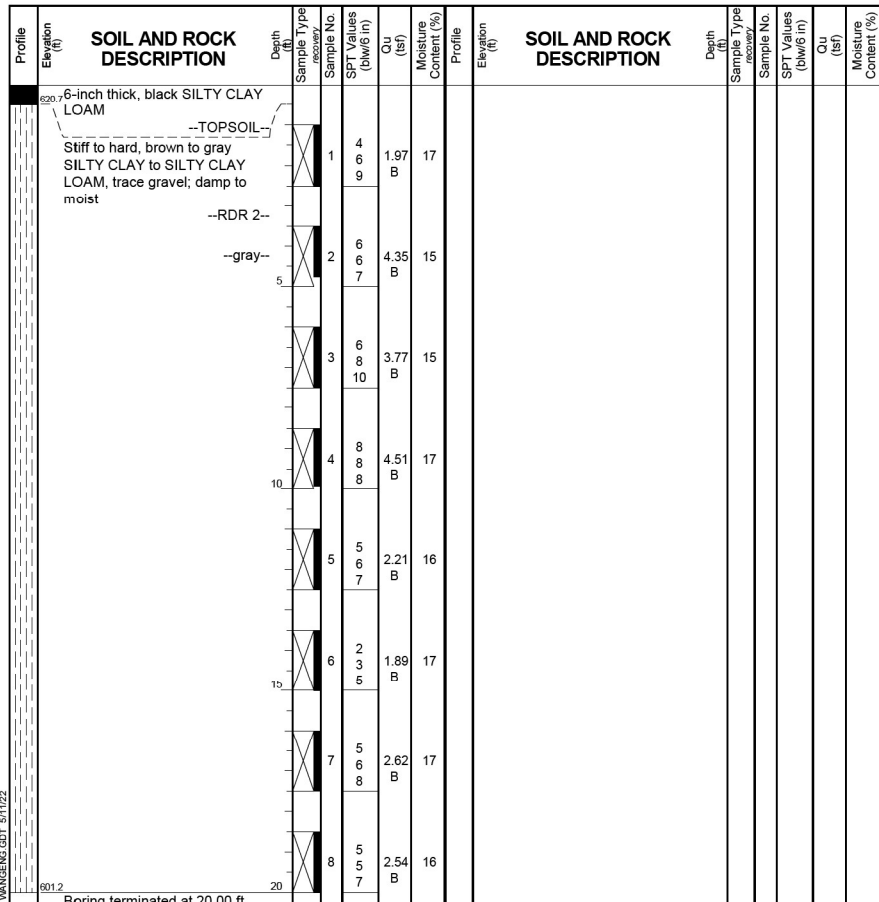


FOR NOISE ABATEMENT WALL GROUND MOUNTED

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BORING LOG B2-NWB-01
WEI Job No.: 255-39-01
Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 621.23 ft
North: 1746690.66 ft
East: 1004513.26 ft
Station: 150+24.29
Offset: 76.278 RT



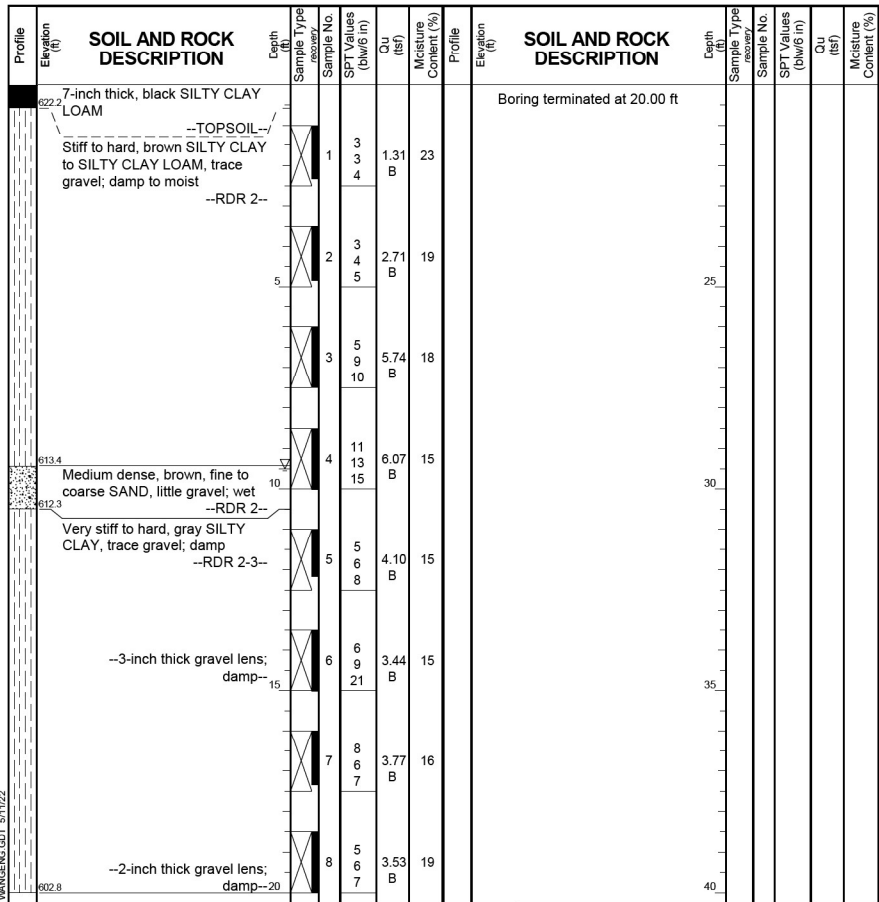
Boring terminated at 20.00 ft

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-12-2022	Complete Drilling	04-12-2022	While Drilling	DRY		
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]	At Completion of Drilling	DRY		
Driller	KS&AP	Logger	D. You	Time After Drilling	NA		
Drilling Method	2.25" ID HSA; boring backfilled upon completion			Depth to Water	NA		

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BORING LOG B2-NWB-02
WEI Job No.: 255-39-01
Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 622.82 ft
North: 1746697.77 ft
East: 1004715.47 ft
Station: 152+26.63
Offset: 76.055 RT



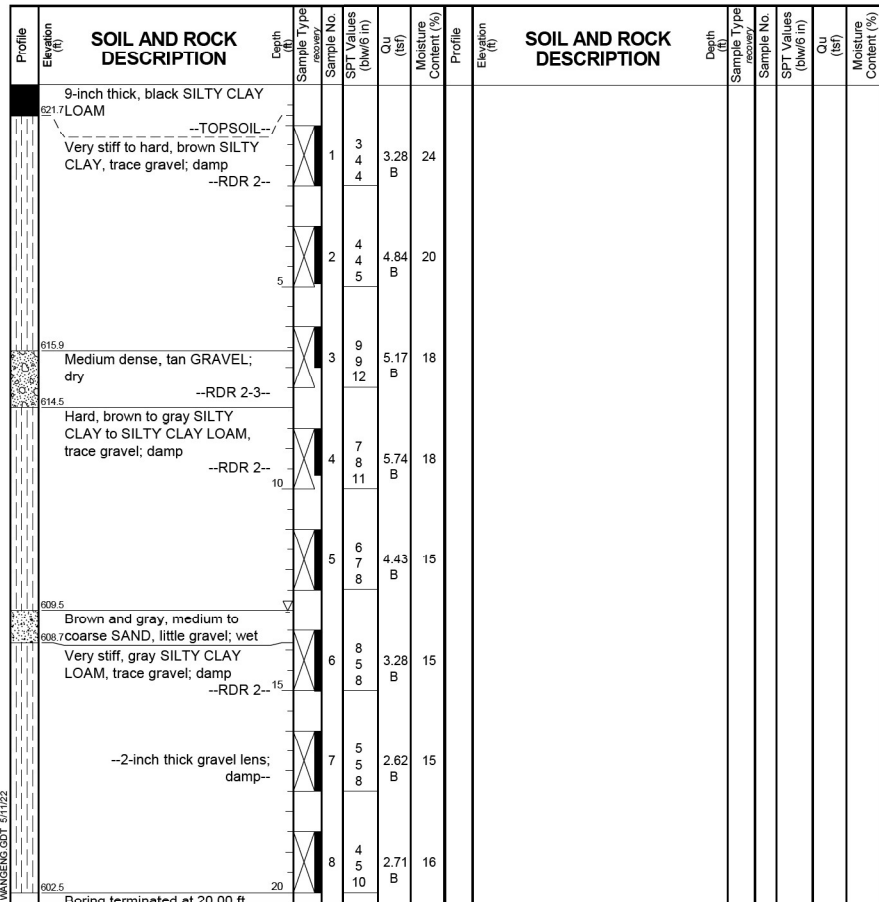
Boring terminated at 20.00 ft

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-12-2022	Complete Drilling	04-12-2022	While Drilling	9.50 ft		
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]	At Completion of Drilling	DRY		
Driller	KS&AP	Logger	D. You	Time After Drilling	NA		
Drilling Method	2.25" ID HSA; boring backfilled upon completion			Depth to Water	NA		

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BORING LOG B2-NWB-03
WEI Job No.: 255-39-01
Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 622.48 ft
North: 1746694.98 ft
East: 1004912.01 ft
Station: 154+22.96
Offset: 85.54 RT



Boring terminated at 20.00 ft

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-12-2022	Complete Drilling	04-12-2022	While Drilling	13.00 ft		
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]	At Completion of Drilling	DRY		
Driller	KS&AP	Logger	D. You	Time After Drilling	NA		
Drilling Method	2.25" ID HSA; boring backfilled upon completion			Depth to Water	NA		

(Sheet 1 of 4)

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BORING LOG B2-NWB-04 Page 1 of 1
WEI Job No.: 255-39-01
Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 623.53 ft
North: 1746696.29 ft
East: 1005116.75 ft
Station: 156+27.62
Offset: 91.198 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
622.9	11-inch thick, black SILTY CLAY LOAM												
	--TOPSOIL--												
	Very stiff, brown CLAY to SILTY CLAY, trace gravel; damp		1	3 3 4	2.38 B	24							
	--RDR 2--												
			2	3 4 4	2.30 B	21							
618.8	Very stiff to hard, brown to gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp		3	5 8 9	4.35 B	17							
	--RDR 2--												
			4	5 9 10	5.49 B	17							
			5	7 8 11	7.30 B	20							
	--gray--												
			6	6 7 9	4.02 B	17							
			7	5 5 8	2.71 B	17							
			8	5 8 8	2.95 B	17							
603.5	Boring terminated at 20.00 ft												

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	04-12-2022	Complete Drilling	04-12-2022	While Drilling	DRY
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]	At Completion of Drilling	DRY
Driller	KS&AP	Logger	D. You	Time After Drilling	NA
Checked by	C. Marin	Depth to Water	NA		
Drilling Method	2.25" ID HSA; boring backfilled upon completion				

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BORING LOG B2-NWB-05 Page 1 of 1
WEI Job No.: 255-39-01
Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 623.45 ft
North: 1746705.68 ft
East: 1005320.40 ft
Station: 158+31.47
Offset: 88.654 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
622.6	10-inch thick, black SILTY CLAY LOAM												
	--TOPSOIL--												
	Very stiff, brown CLAY to SILTY CLAY, trace gravel; damp		1	3 3 4	2.38 B	24							
	--RDR 2--												
620.4	Stiff to very stiff, brown to gray SILTY CLAY to SILTY CLAY LOAM, trace to little gravel; damp to moist		2	4 6 6	6.31 B	16							
	--RDR 2--												
			3	5 6 9	4.02 B	15							
			4	3 5 8	4.51 B	18							
	--gray--												
			5	8 8 9	3.44 B	14							
			6	4 6 6	2.46 B	13							
			7	5 5 6	1.97 B	13							
			8	5 5 7	1.72 B	13							
603.4	Boring terminated at 20.00 ft												

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	04-12-2022	Complete Drilling	04-12-2022	While Drilling	DRY
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]	At Completion of Drilling	DRY
Driller	KS&AP	Logger	D. You	Time After Drilling	NA
Checked by	C. Marin	Depth to Water	NA		
Drilling Method	2.25" ID HSA; boring backfilled upon completion				

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BORING LOG B2-NWB-06 Page 1 of 1
WEI Job No.: 255-39-01
Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 623.58 ft
North: 1746711.50 ft
East: 1005518.37 ft
Station: 160+29.47
Offset: 89.756 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
622.6	10-inch thick, black SILTY CLAY LOAM												
	--TOPSOIL--												
	Very stiff, brown CLAY to SILTY CLAY, trace gravel; damp		1	3 4 6	2.71 B	25							
	--RDR 2--												
619.6	Loose, brown SANDY LOAM, little gravel; wet		2	2 3 5	NP	20							
618.1	--moist--												
			3	6 7 10	1.23 B	17							
	Stiff to hard, brown to gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp to moist		4	6 7 9	8.86 B	15							
	--RDR 2--												
	--gray--												
			5	7 6 9	3.69 B	16							
			6	4 5 6	2.71 B	16							
			7	5 4 7	3.12 B	16							
			8	6 7 7	3.28 B	16							
603.6	Boring terminated at 20.00 ft												

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	04-12-2022	Complete Drilling	04-12-2022	While Drilling	4.00 ft
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]	At Completion of Drilling	DRY
Driller	KS&AP	Logger	D. You	Time After Drilling	NA
Checked by	C. Marin	Depth to Water	NA		
Drilling Method	2.25" ID HSA; boring backfilled upon completion				

(Sheet 2 of 4)



USER NAME =	DESIGNED - MS	REVISED -
PLOT SCALE =	CHECKED - CZ	REVISED -
PLOT DATE =	DRAWN - AJF	REVISED -
	CHECKED - CZ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOISE ABATEMENT WALL
SOIL BORING DATA

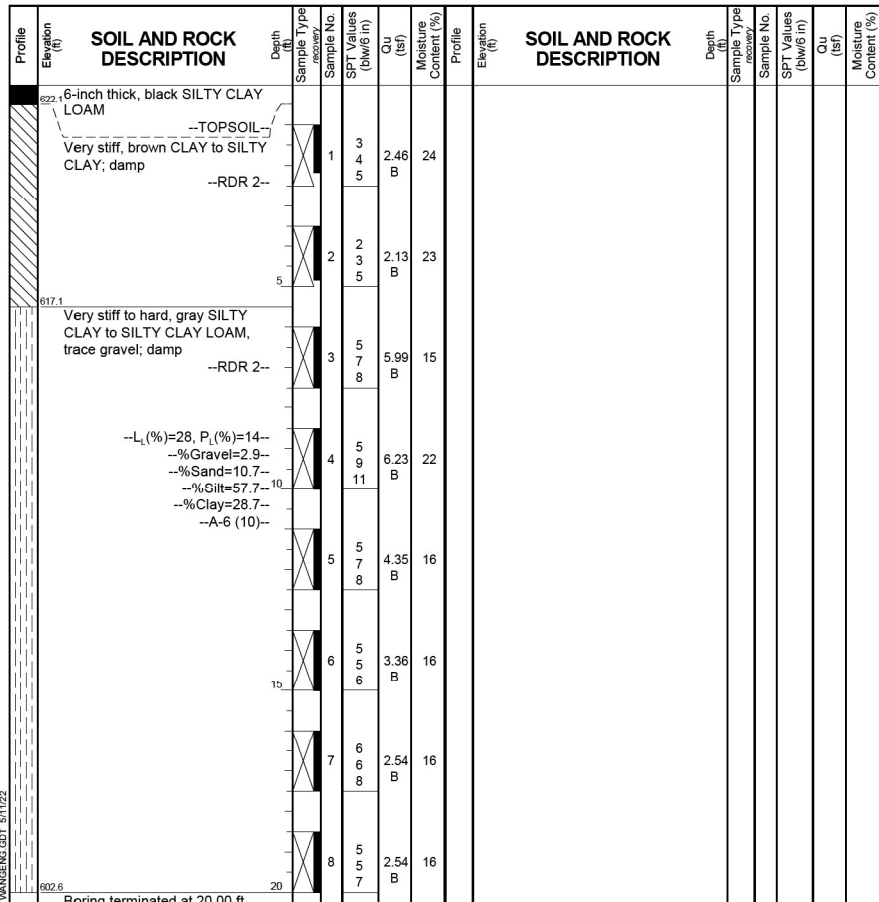
SHEET 5 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	337
ILLINOIS			FED. AID PROJECT	

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BORING LOG B2-NWB-07
WEI Job No.: 255-39-01
Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houboolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 622.62 ft
North: 1746726.71 ft
East: 1005716.88 ft
Station: 162+27.74
Offset: 81.385 RT



Boring terminated at 20.00 ft

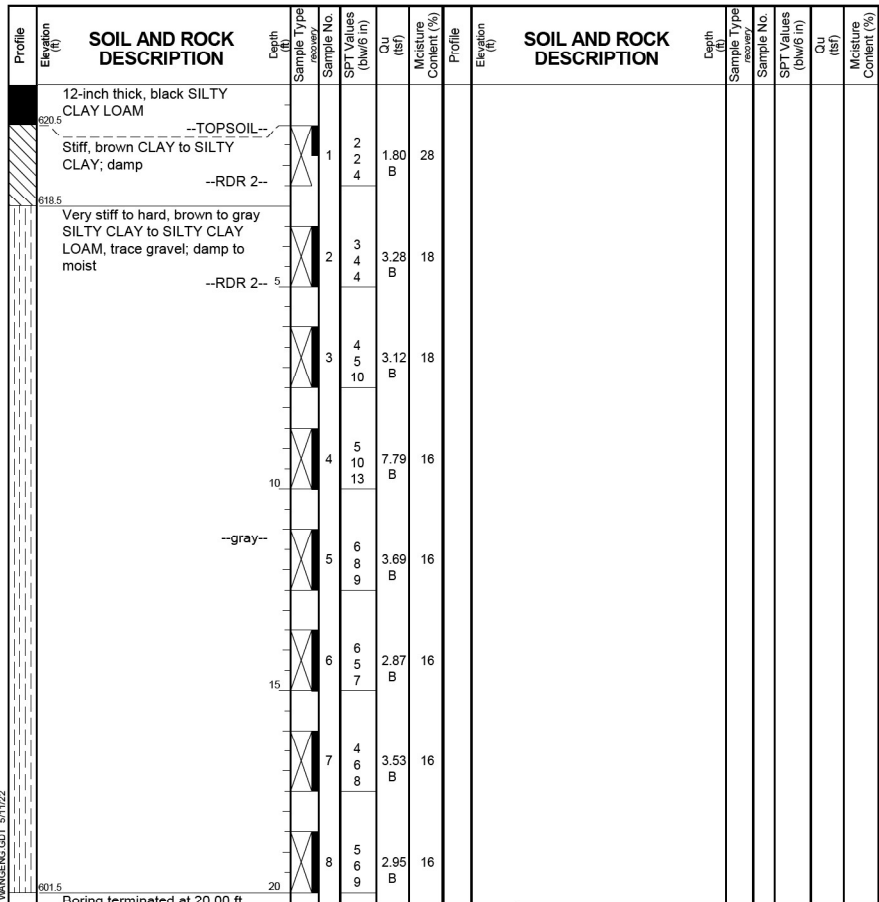
GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-12-2022	Complete Drilling	04-12-2022
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]
Driller	KS&AP	Logger	D. You
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" ID HSA; boring backfilled upon completion	Depth to Water	NA

The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.

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BORING LOG B2-NWB-08
WEI Job No.: 255-39-01
Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houboolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 621.48 ft
North: 1746737.90 ft
East: 1005918.27 ft
Station: 164+25.20
Offset: 83.987 RT



Boring terminated at 20.00 ft

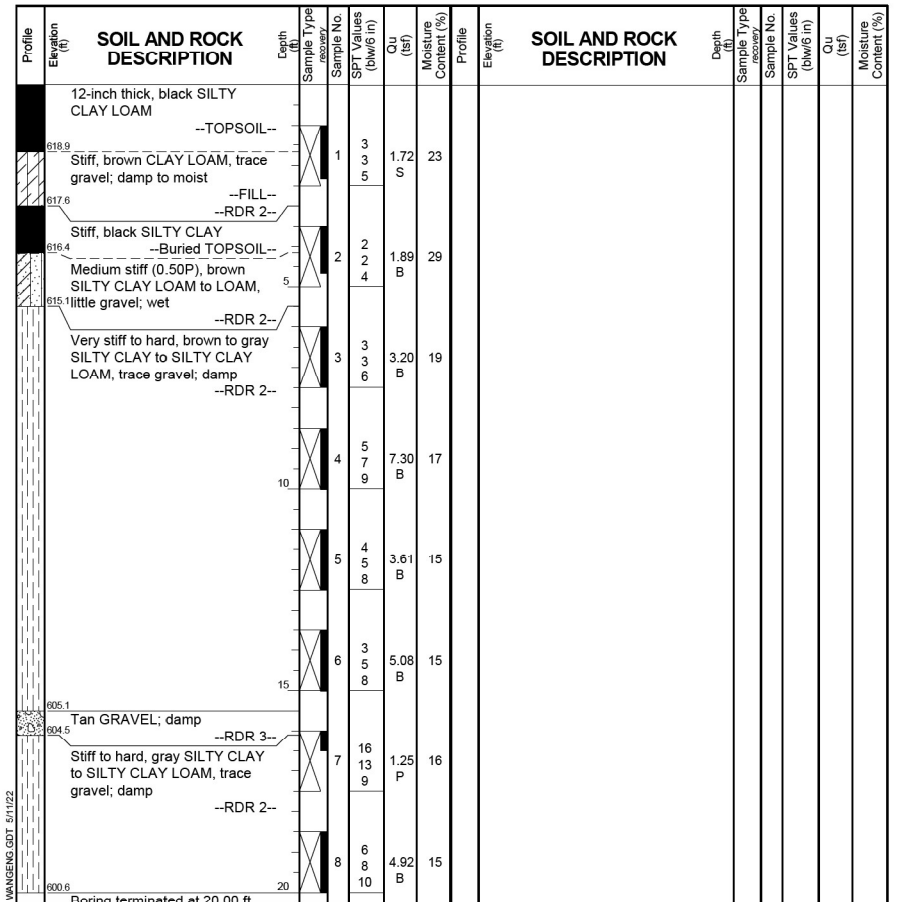
GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-11-2022	Complete Drilling	04-11-2022
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]
Driller	KS&AP	Logger	D. You
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" ID HSA; boring backfilled upon completion	Depth to Water	NA

The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.

Wang Engineering
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BORING LOG B2-NWB-09
WEI Job No.: 255-39-01
Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houboolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 620.58 ft
North: 1746761.54 ft
East: 1006121.06 ft
Station: 166+25.01
Offset: 84.81 RT



Boring terminated at 20.00 ft

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-11-2022	Complete Drilling	04-11-2022
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]
Driller	KS&AP	Logger	D. You
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	2.25" ID HSA; boring backfilled upon completion	Depth to Water	NA

The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.

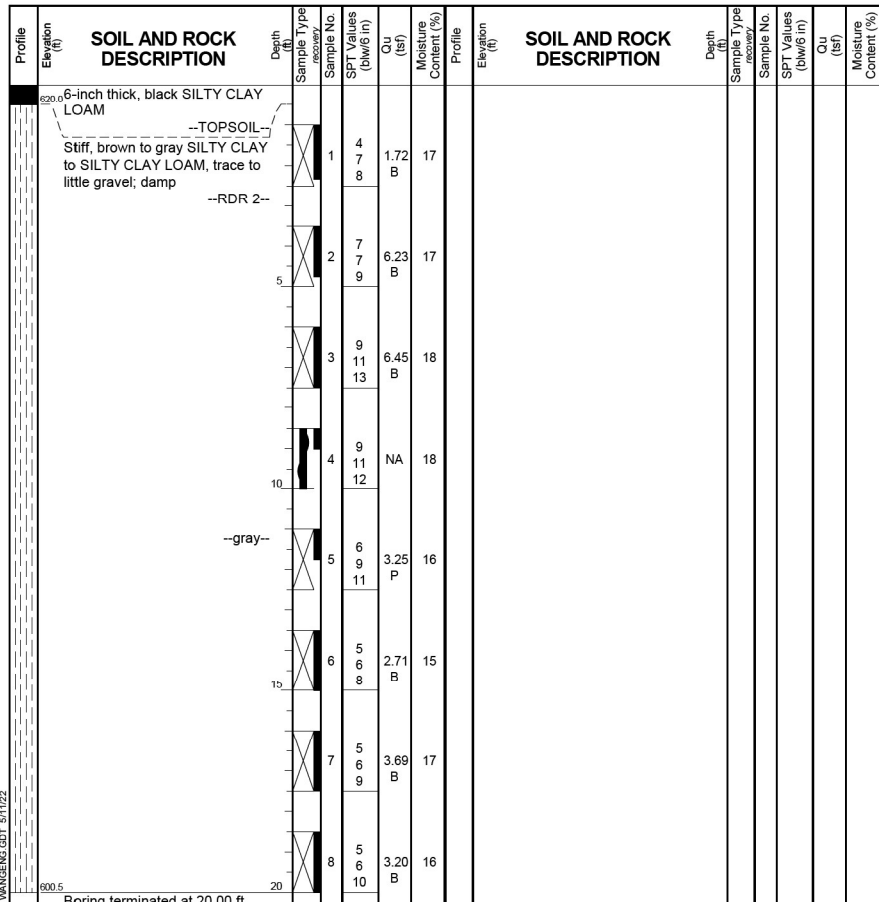
(Sheet 3 of 4)

USER NAME =	DESIGNED - MS	REVISD -
PLOT SCALE =	CHECKED - CZ	REVISD -
PLOT DATE =	DRAWN - AJF	REVISD -
	CHECKED - CZ	REVISD -

Wang Engineering
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Fax:

BORING LOG B2-NWB-10
WEI Job No.: 255-39-01
Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 620.50 ft
North: 1746791.97 ft
East: 1006310.64 ft
Station: 168+12.83
Offset: 86.96 RT



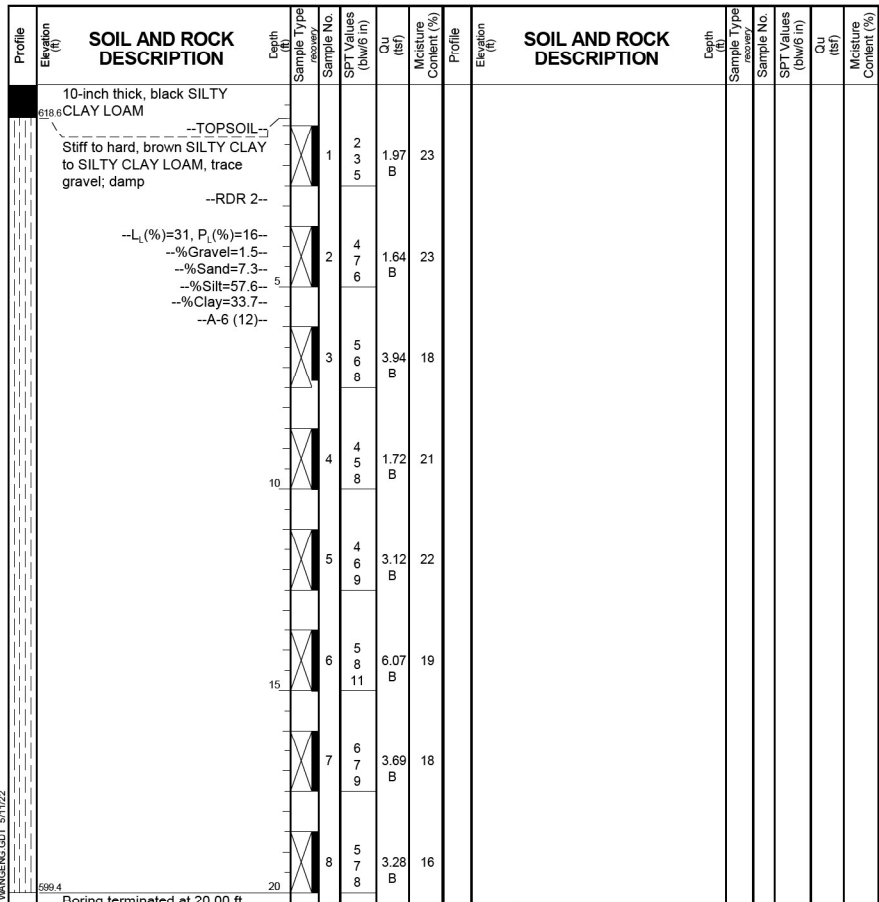
Boring terminated at 20.00 ft

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-11-2022	Complete Drilling	04-11-2022	While Drilling	DRY		
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]	At Completion of Drilling	DRY		
Driller	KS&AP	Logger	D. You	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	NA	The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.			
Drilling Method	2.25" ID HSA; boring backfilled upon completion						

Wang Engineering
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Telephone:
Fax:

BORING LOG B2-NWB-11
WEI Job No.: 255-39-01
Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 619.44 ft
North: 1746837.71 ft
East: 1006504.55 ft
Station: 170+07.73
Offset: 84.601 RT



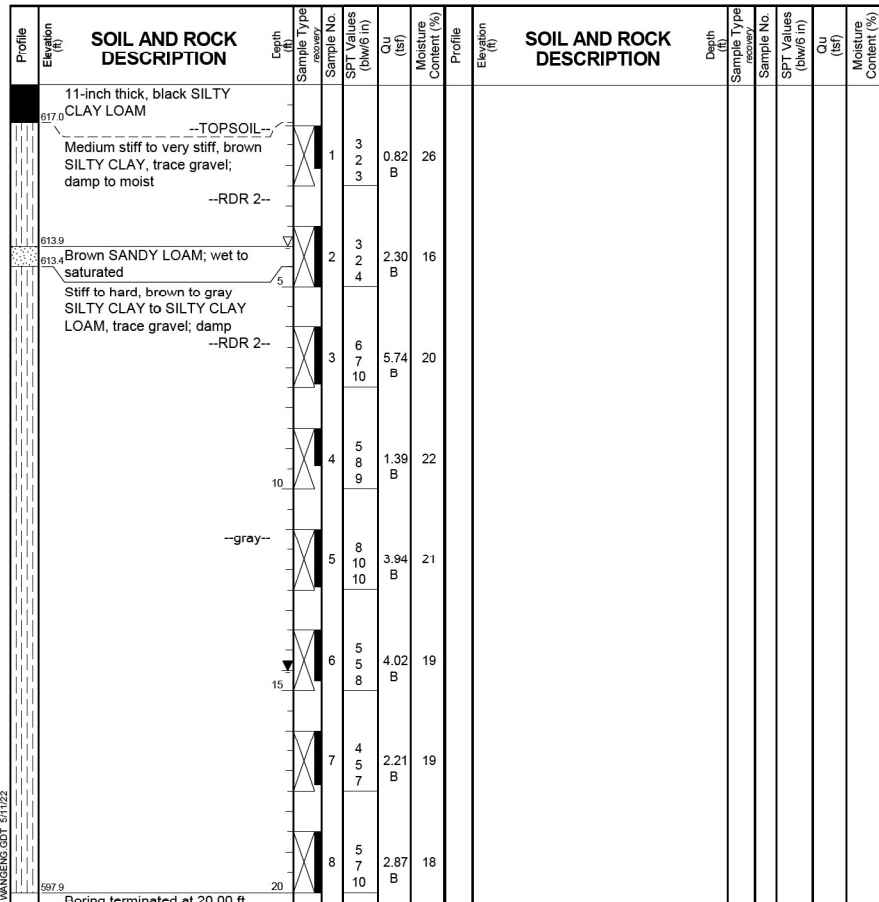
Boring terminated at 20.00 ft

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-11-2022	Complete Drilling	04-11-2022	While Drilling	DRY		
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]	At Completion of Drilling	DRY		
Driller	KS&AP	Logger	D. You	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	NA	The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.			
Drilling Method	2.25" ID HSA; boring backfilled upon completion						

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BORING LOG B2-NWB-12
WEI Job No.: 255-39-01
Client: **Stantec**
Project: **I-80 Reconstruction, Ridge Road to Houbolt Road**
Location: **Will County, Illinois**

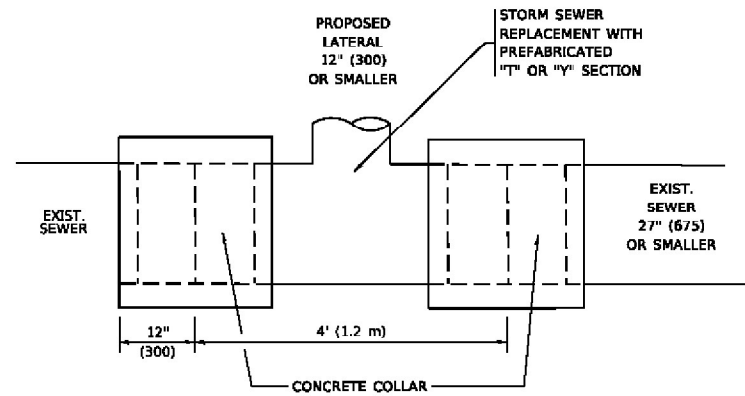
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Elevation: 617.91 ft
North: 1746879.74 ft
East: 1006688.21 ft
Station: 171+91.72
Offset: 93.003 RT



Boring terminated at 20.00 ft

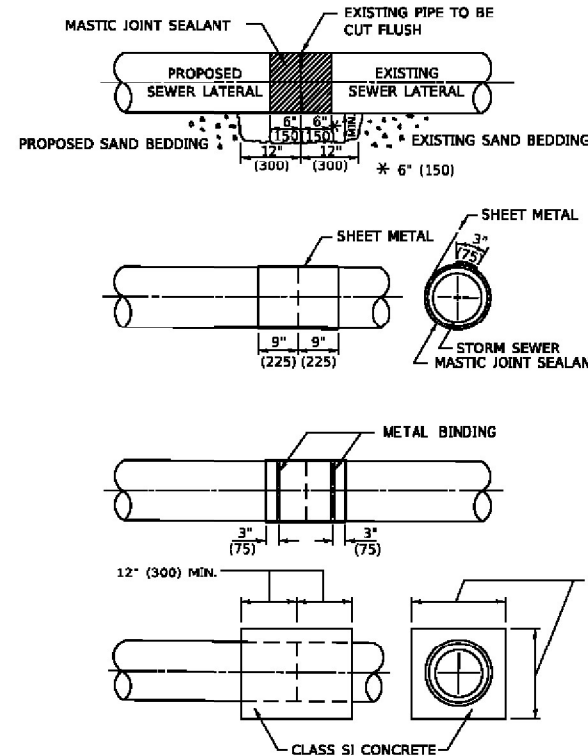
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-11-2022	Complete Drilling	04-11-2022	While Drilling	4.00 ft		
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]	At Completion of Drilling	14.50 ft		
Driller	KS&AP	Logger	D. You	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	NA	The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.			
Drilling Method	2.25" ID HSA; boring backfilled upon completion						

(Sheet 4 of 4)



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

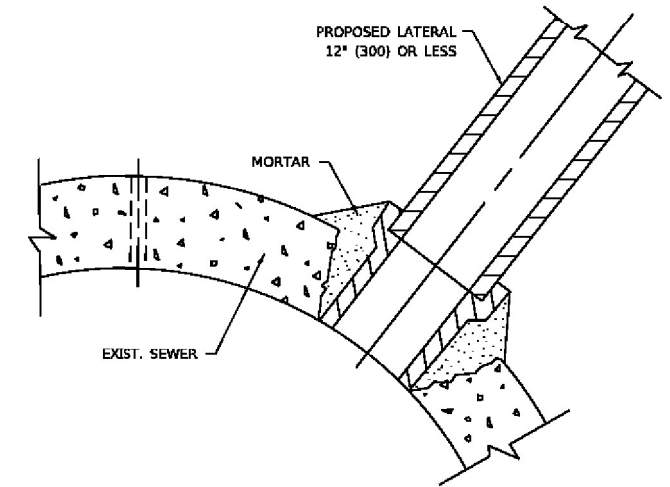


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZOES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
- CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

- TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
- TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
- CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

* ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: D:\dwg\... FILE: 2021-154-R-01.dwg

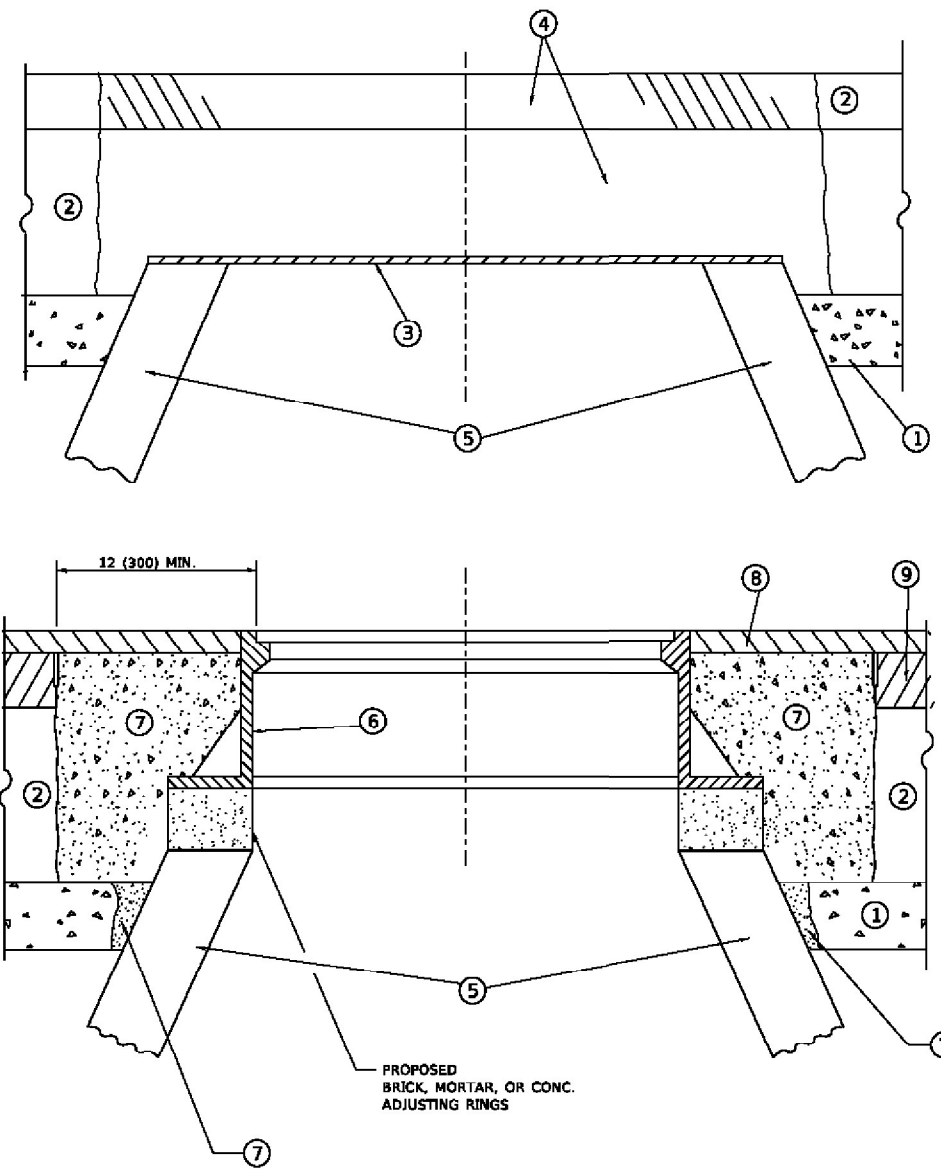
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	DRAWN -	REVISED - R. SHAH 10-25-94
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. SHAH 06-12-96
PLOT DATE = 2/2/2022	DATE - 07-25-90	REVISED - K. SMITH 02-01-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	340
BD500-01 (BD-07)			CONTRACT NO. 62P71	
ILLINOIS		FED. AID PROJECT		



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

NOTES

1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 1 1/2 (40) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-1 CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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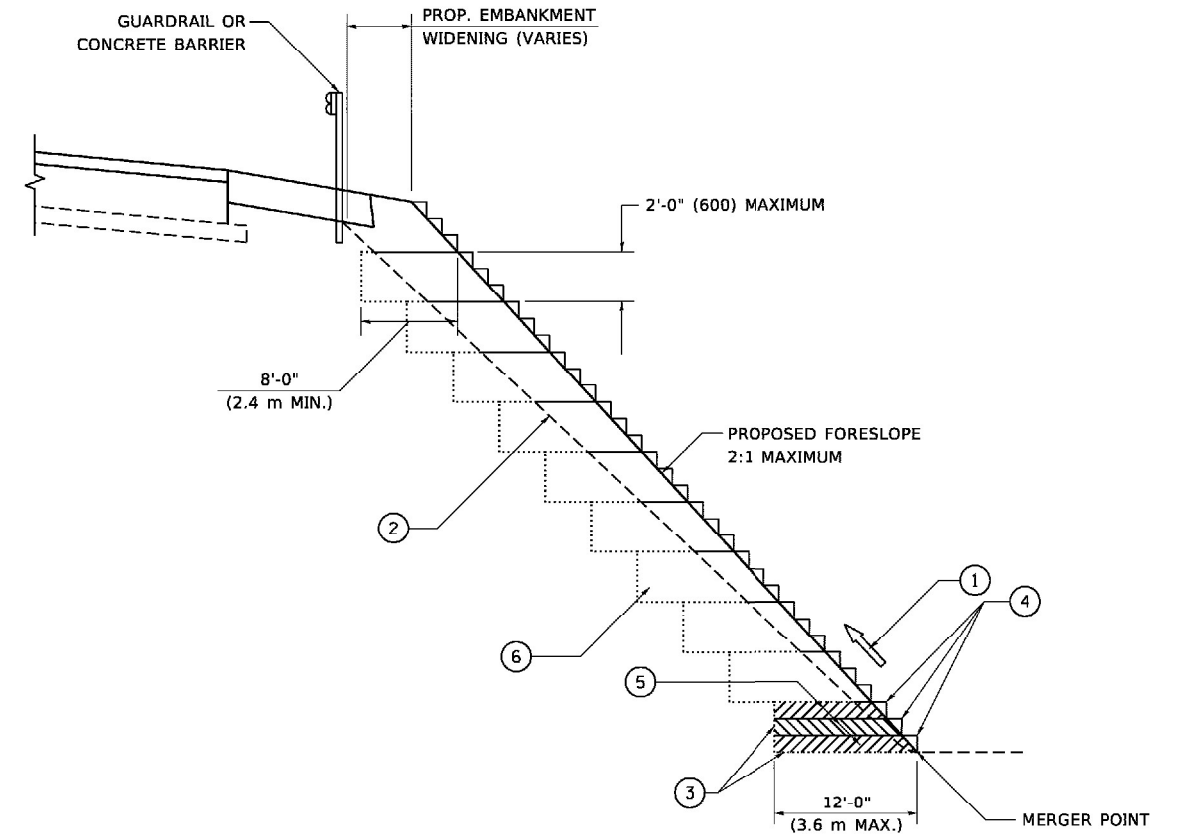
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		REVISED - K. SMITH 02-01-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	341
BD800-03 (8D-08)			CONTRACT NO. 62P71	
ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

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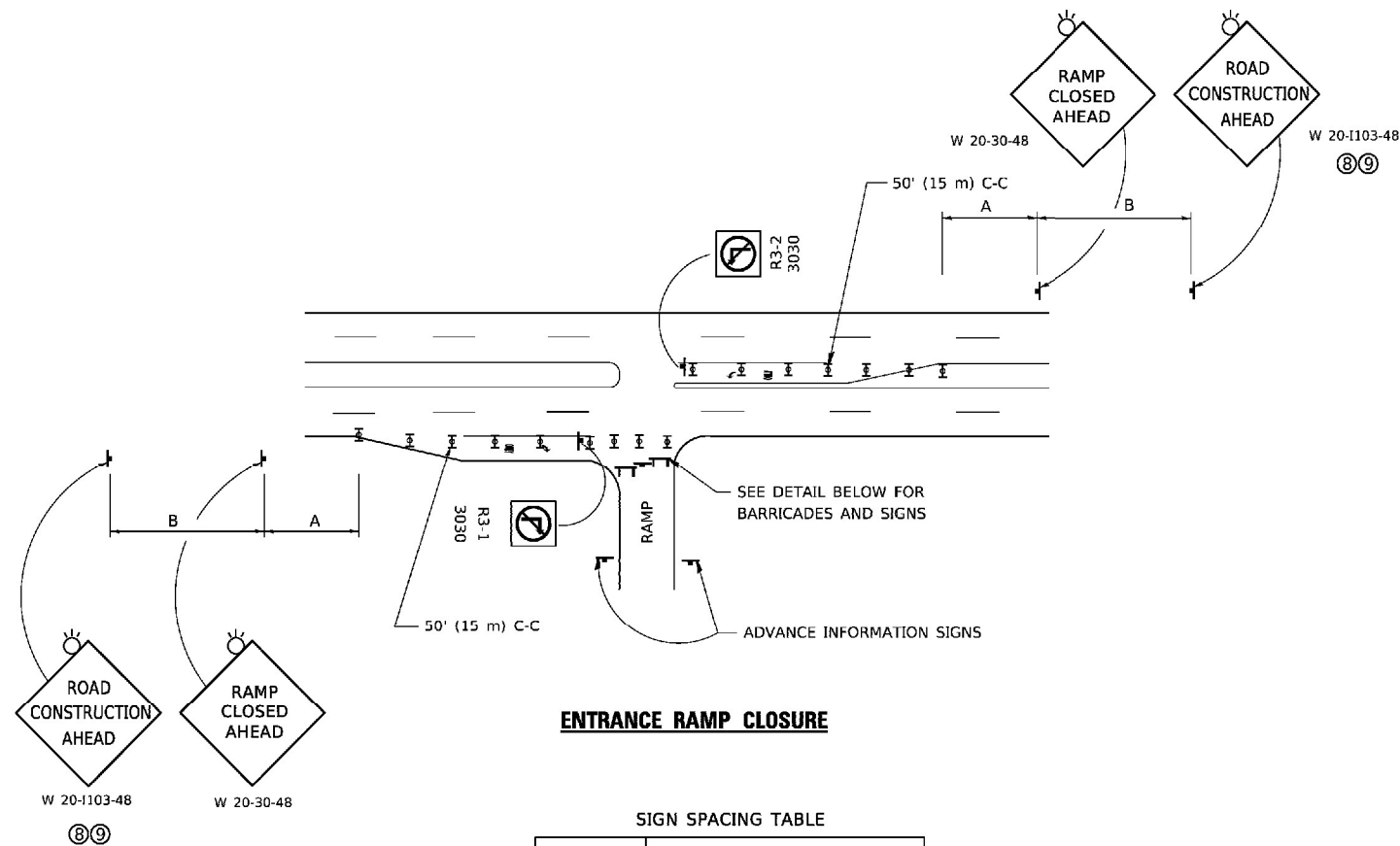
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
FOR EMBANKMENT WIDENING**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD-51			CONTRACT NO. 62P71	
ILLINOIS FED. AID PROJECT				

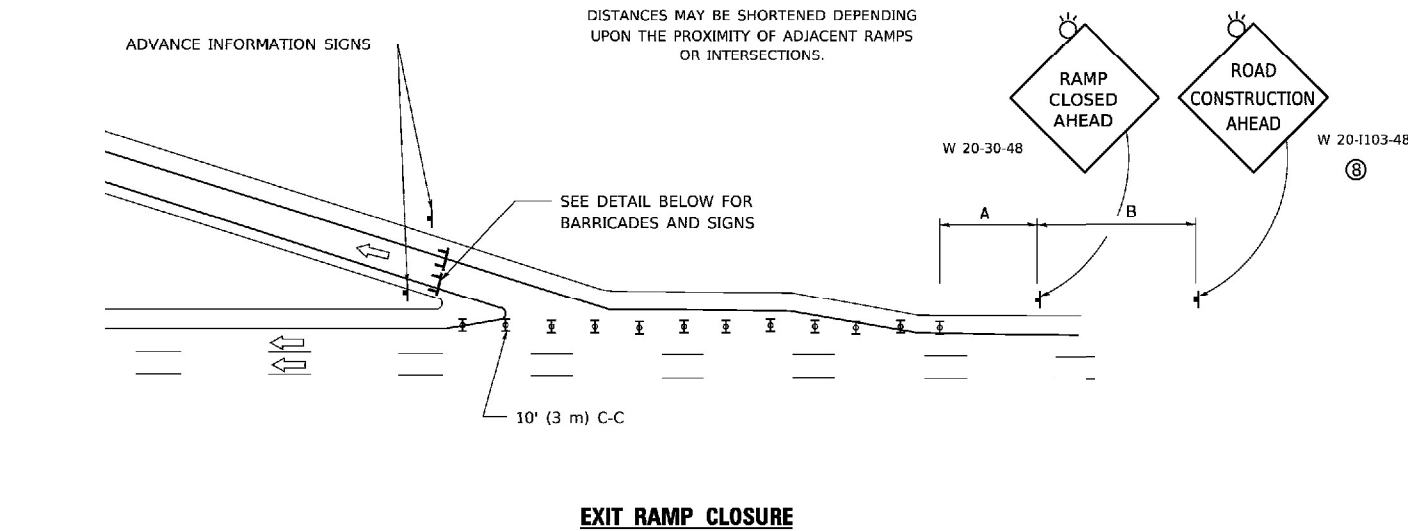


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

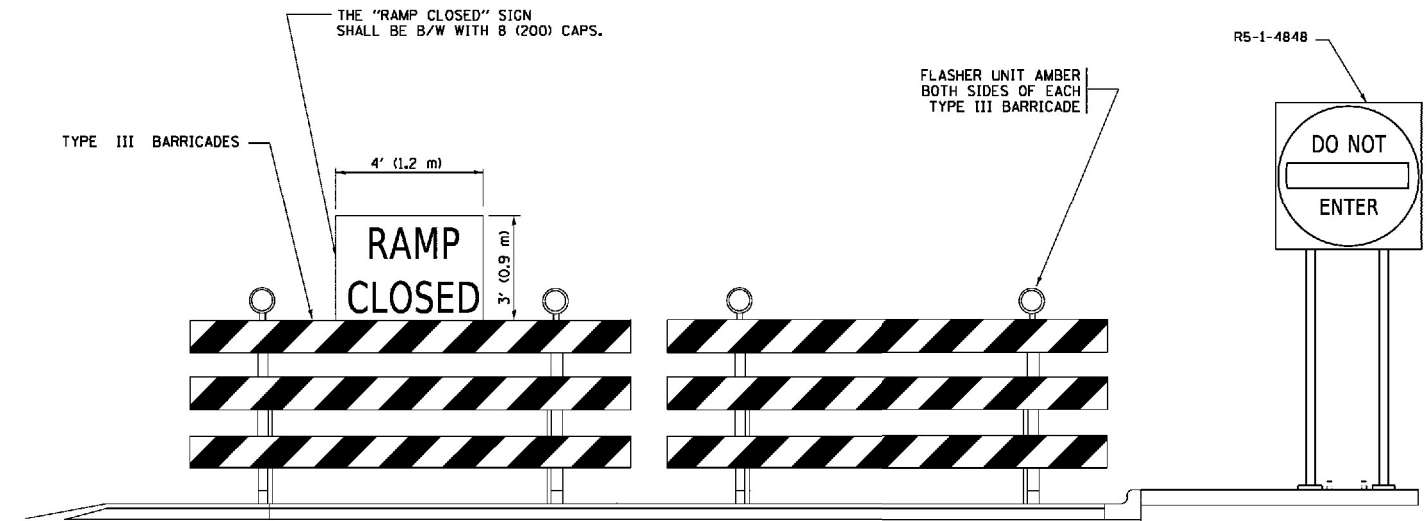
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

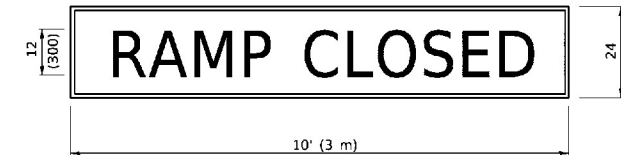
SYMBOLS

- ▬ TYPE II BARRICADE OR DRUM
- ⌈ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

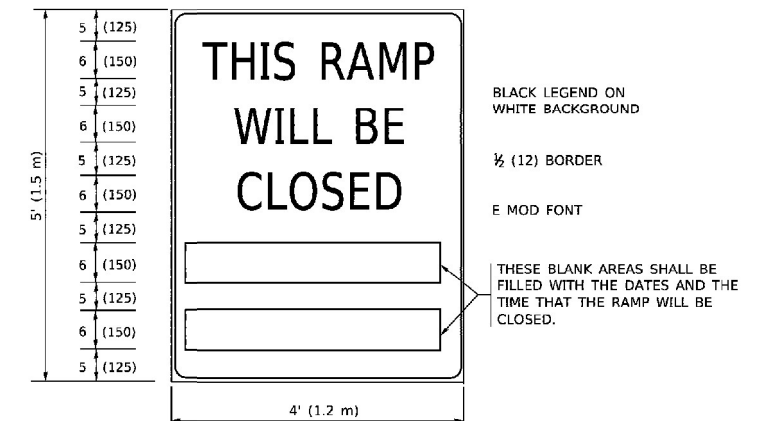
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

RAMP CLOSURE ADVANCE INFORMATION SIGN



GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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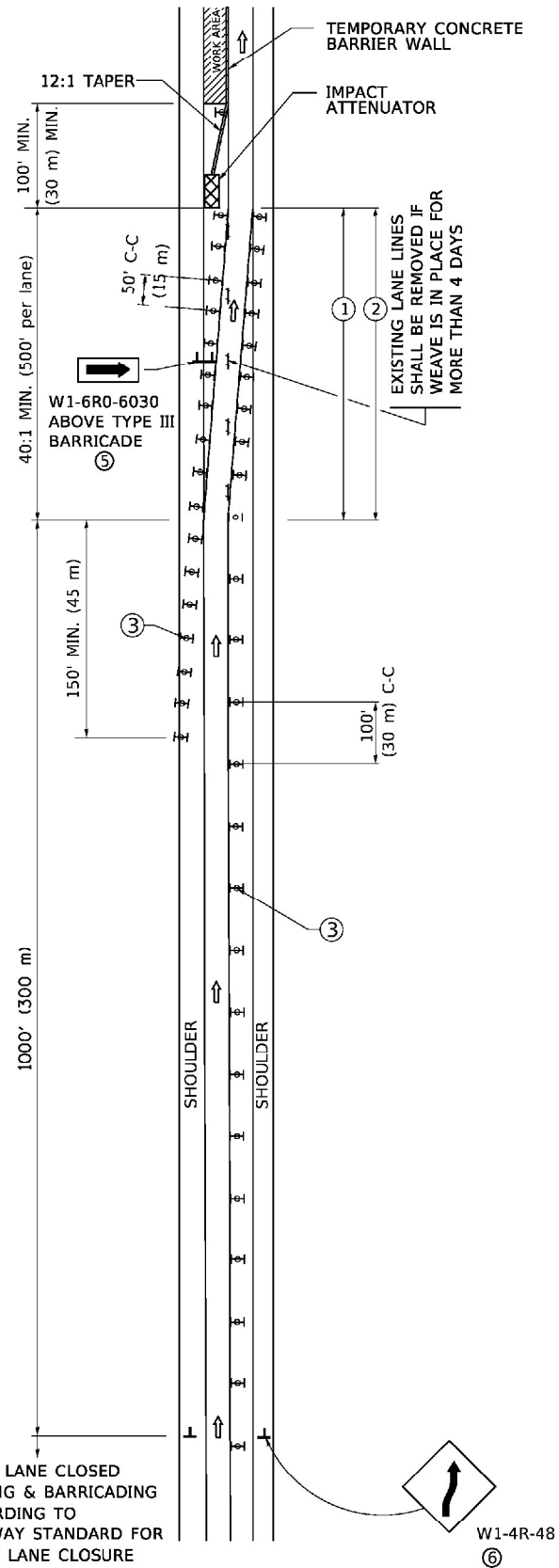
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE_AND_EXIT_RAMP
CLOSURE_DETAILS**

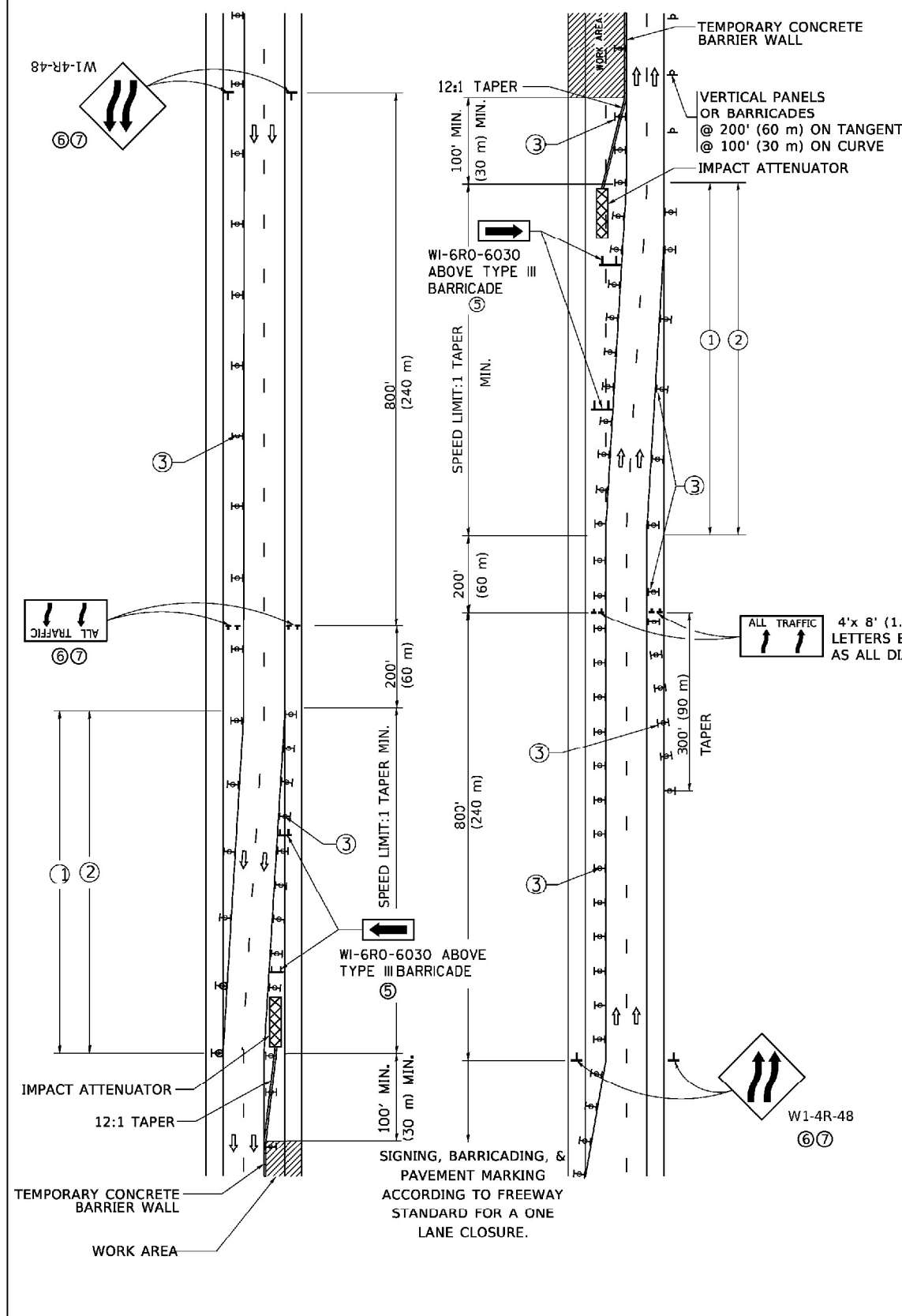
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-08			CONTRACT NO.62P71	
ILLINOIS FED. AID PROJECT				

SINGLE LANE WEAVE

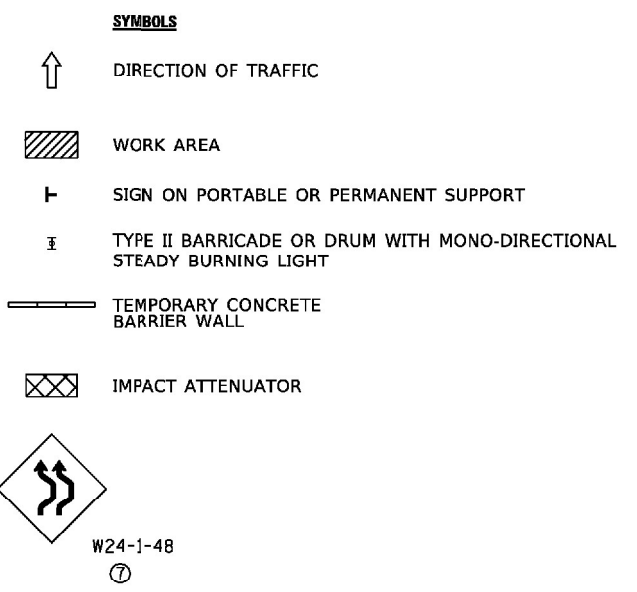


MULTI-LANE WEAVE



GENERAL NOTES:

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

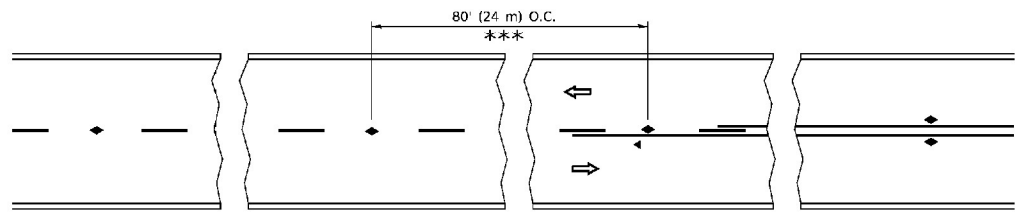
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

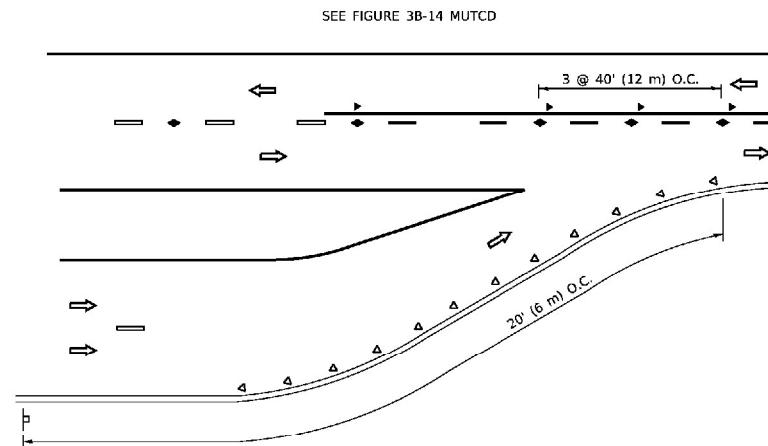
TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-09		CONTRACT NO. 62P71		
ILLINOIS FED. AID PROJECT				

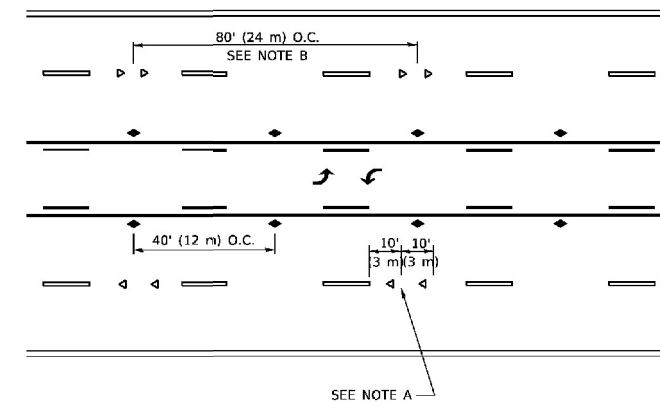


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

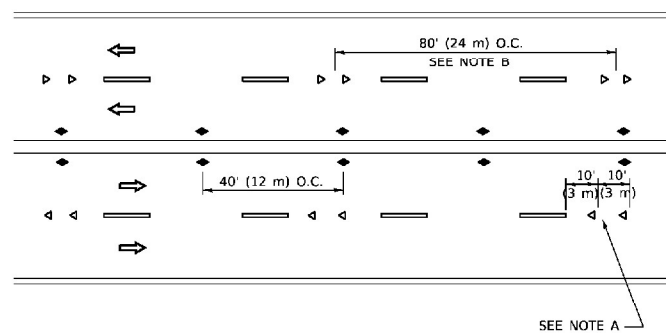
TWO-LANE/TWO-WAY



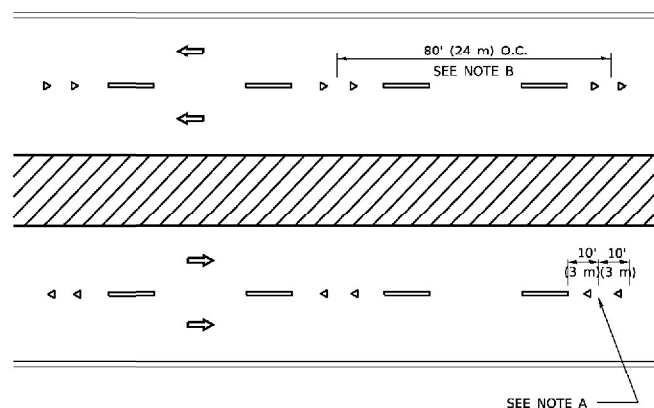
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES.

SYMBOLS

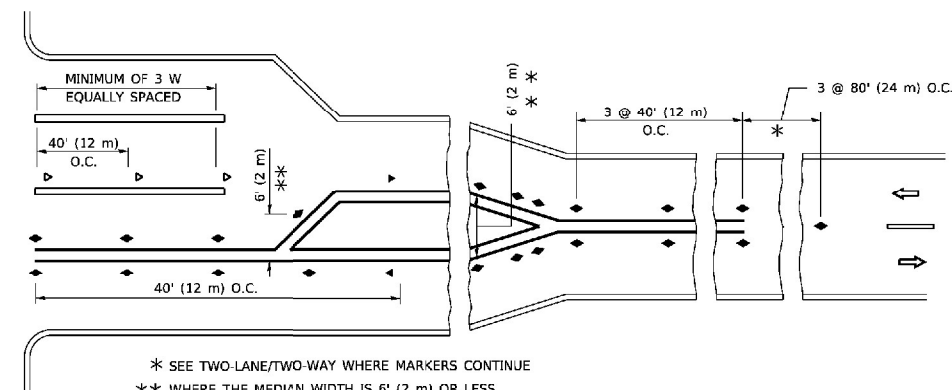
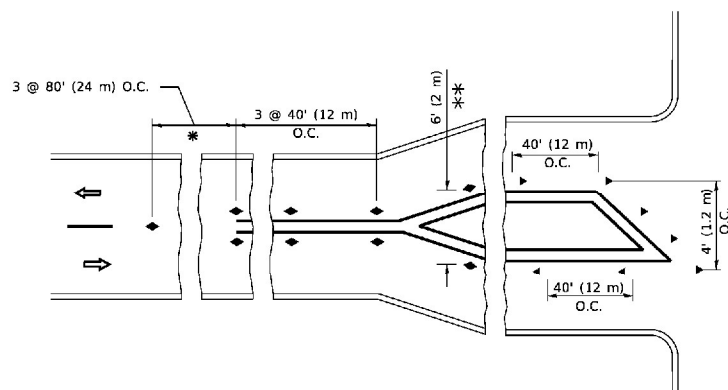
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



TURN LANES

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

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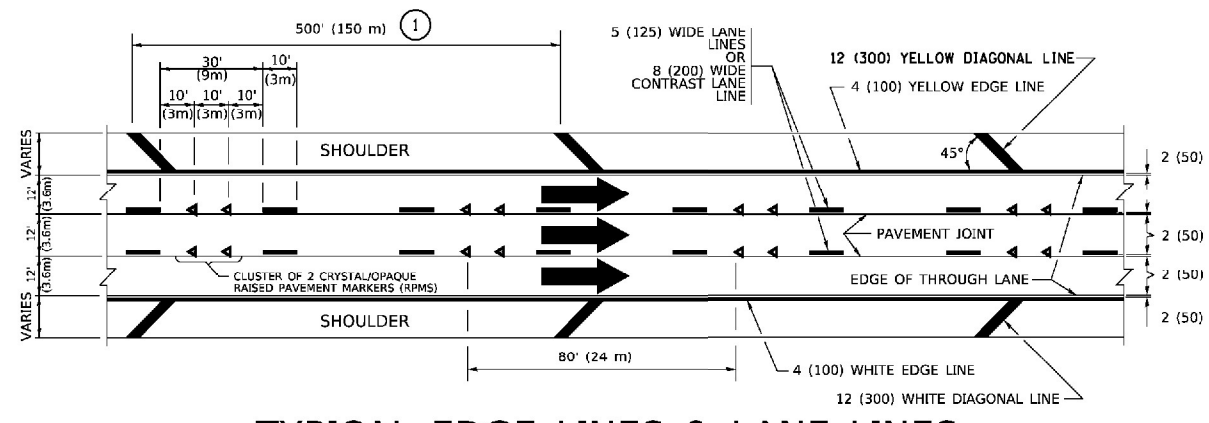
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	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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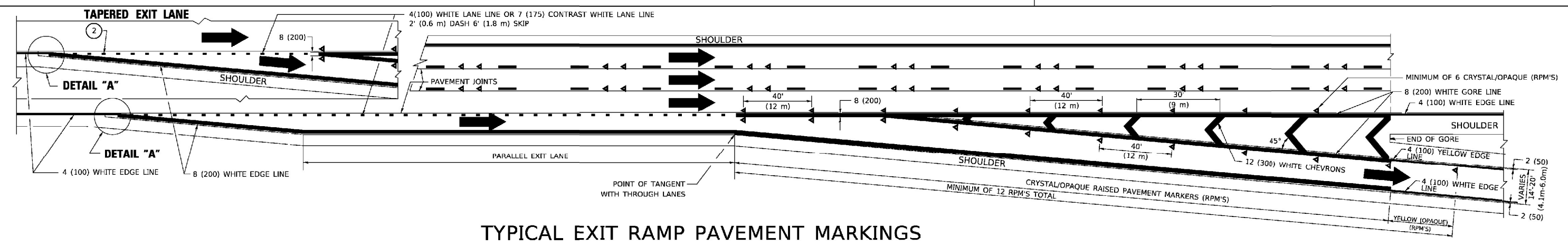
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	349
TC-11		CONTRACT NO. 62P71		
ILLINOIS FED. AID PROJECT				



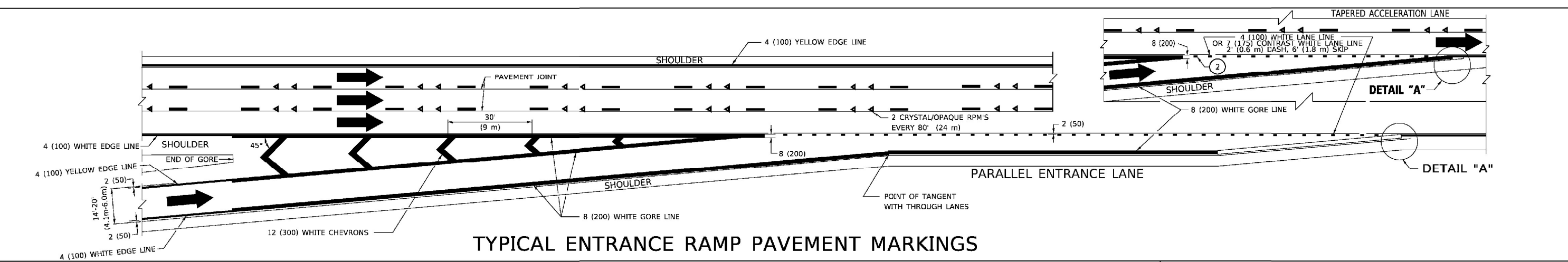
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

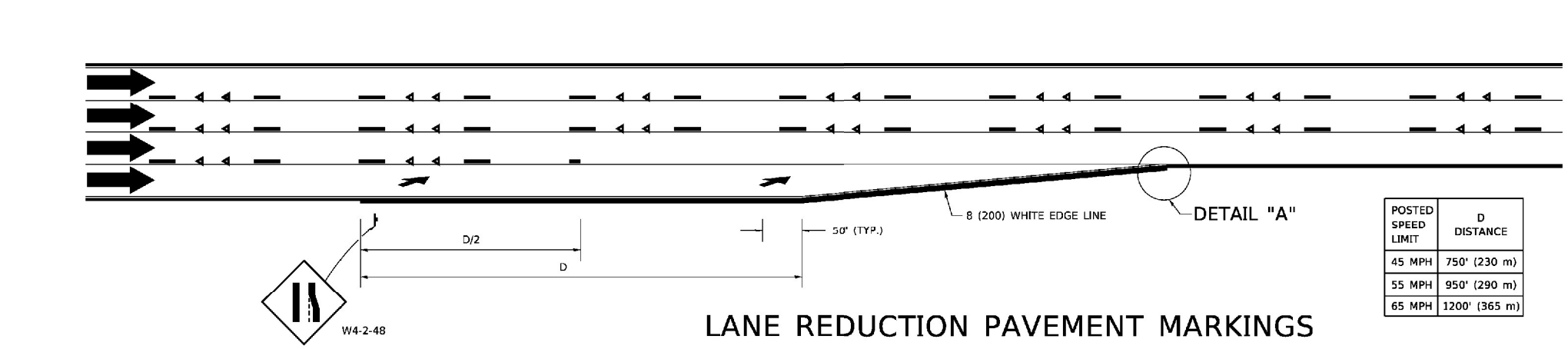
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

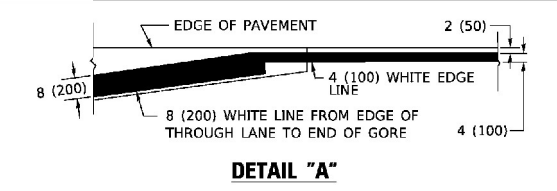


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)



NOTES:

- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
- ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

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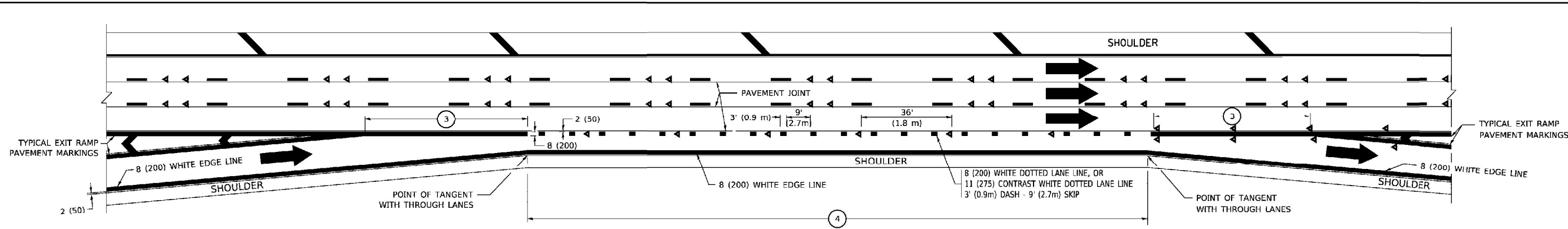
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

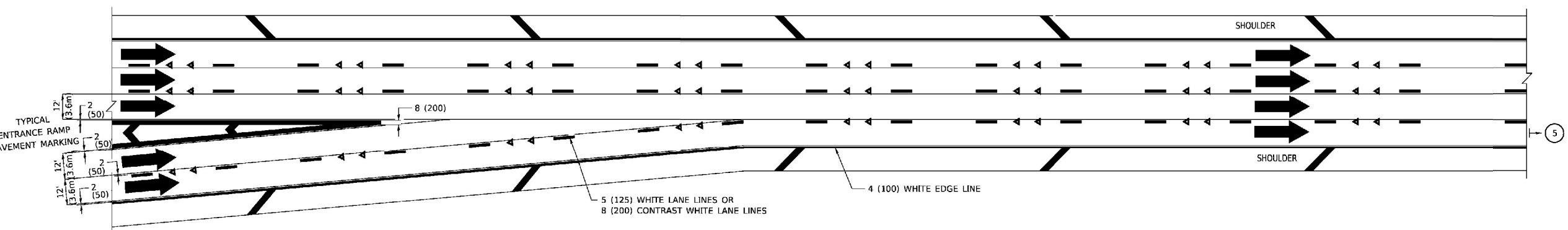
MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

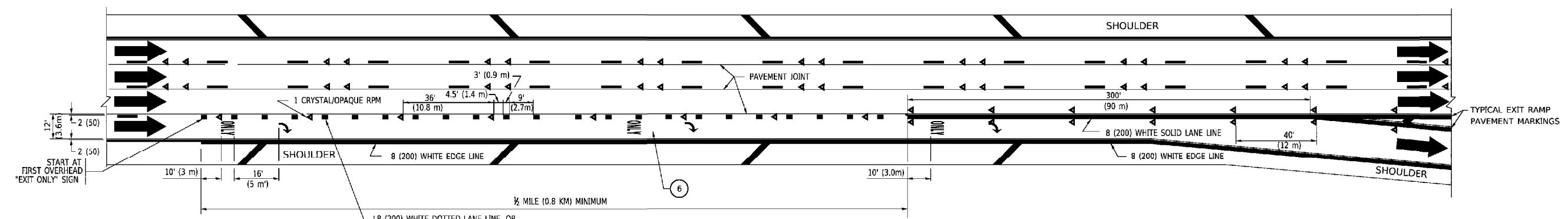
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TC-12		CONTRACT NO. 62P71		
ILLINOIS FED. AID PROJECT				



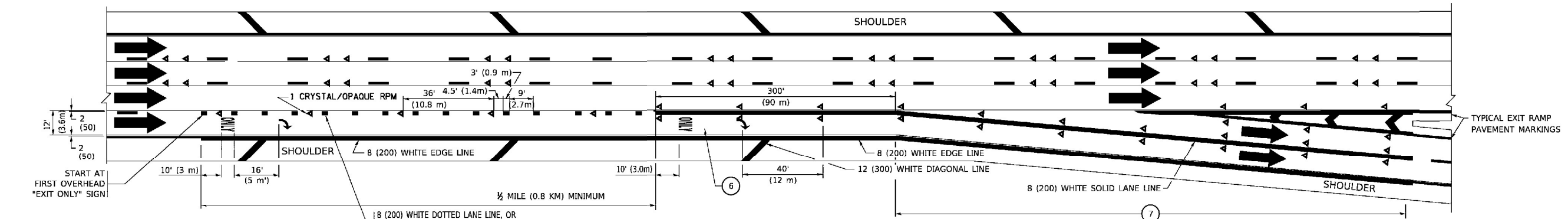
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:**
- ③ OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
 - ④ 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
 - ⑤ FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
 - ⑥ ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
 - ⑦ CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

MODEL: Defaul...
 FILE NAME: p:\1108\ERIDNITEG...
 PROJECT: D:\1108\ERIDNITEG...

USER NAME = footemj	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
	DRAWN -	REVISED - S.P.B. 01-07
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - S.P.B. 01-10
PLOT DATE = 3/4/2019	DATE - 01-90	REVISED - M.D. 09-17

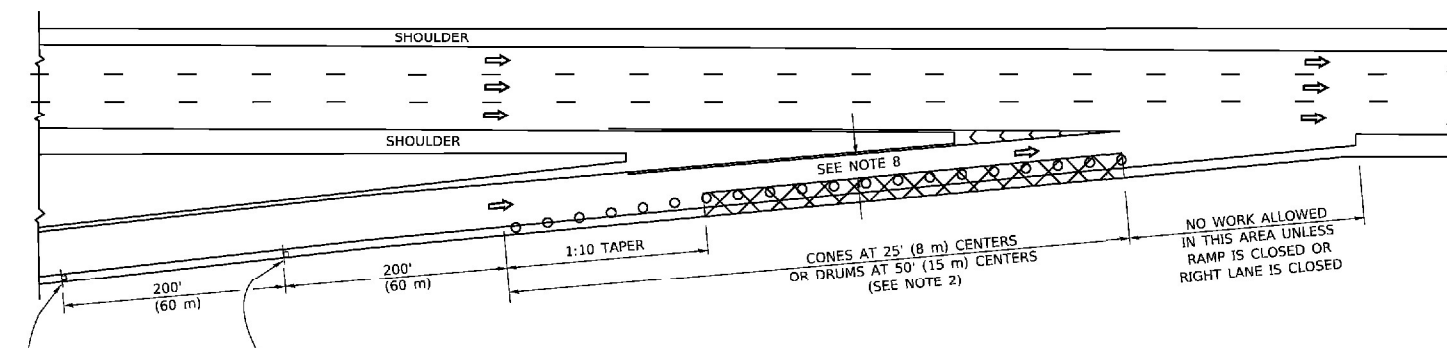
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

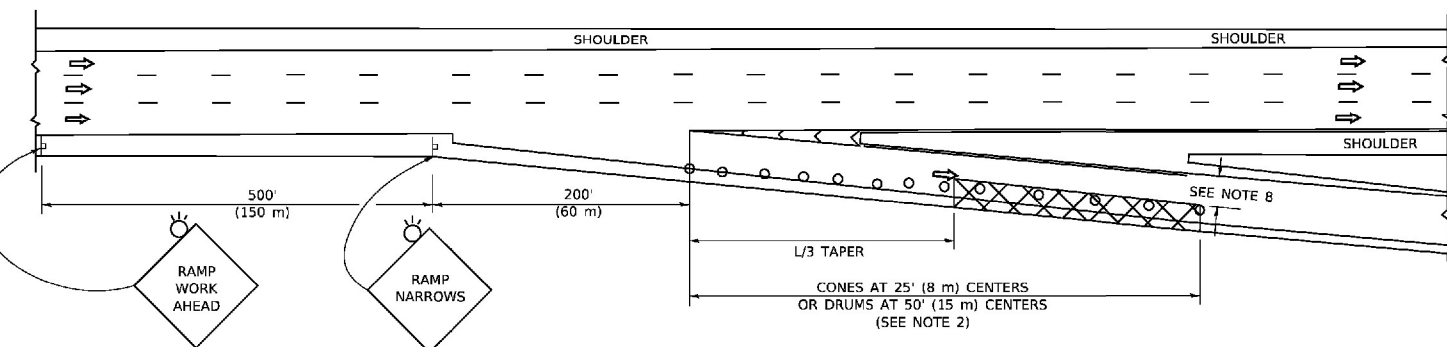
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F.A.I. RTE. I-80	SECTION 2021-154-R	COUNTY WILL	TOTAL SHEETS 477	SHEET NO. 351
TC-12		CONTRACT NO. 62P71		
ILLINOIS FED. AID PROJECT				

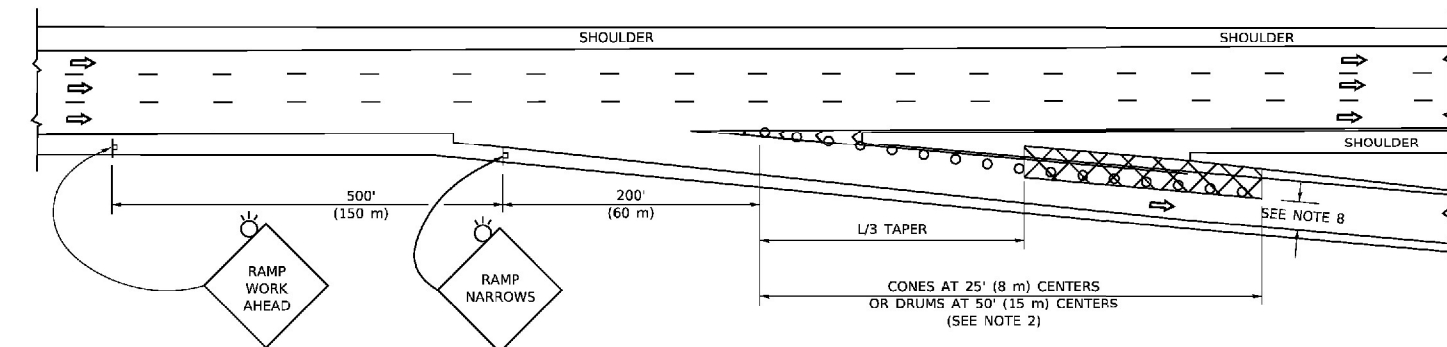
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

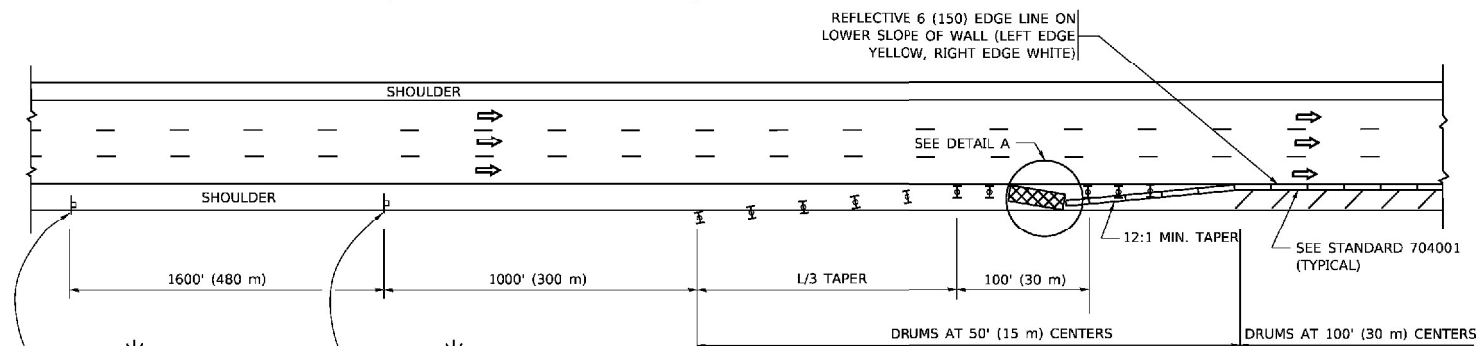
GENERAL NOTES:

- THE "L" DISTANCE EQUALS:

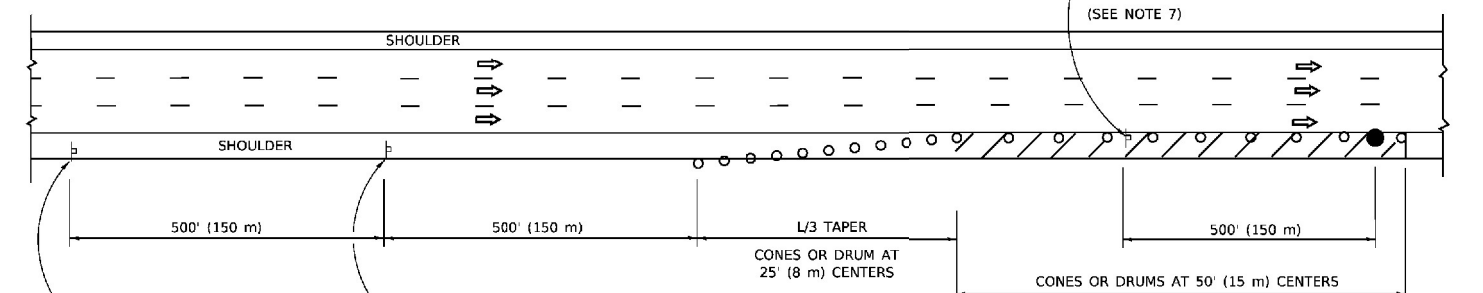
SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(WKS)$ $L=(WXS)$

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100' (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

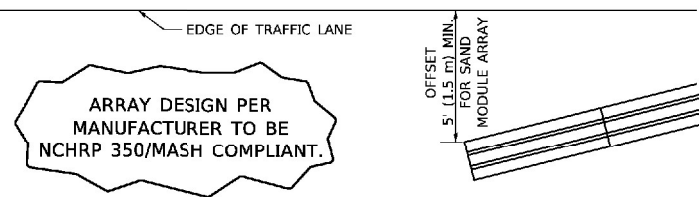


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



**DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)**

- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - THE WORK AVTTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: D:\p1\1108\BENTNITEG.illinois.gov\PMIDOT\Documents\DOT_Offices\Bentlct.1\Projects\Illinois\2022\23\1108\BentNITEG.ctb

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	DRAWN - D.W.S.	REVISED - S.P.B. 12-09
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PLOT DATE = 3/4/2019	DATE - 11-96	REVISED - M.D. 01-18

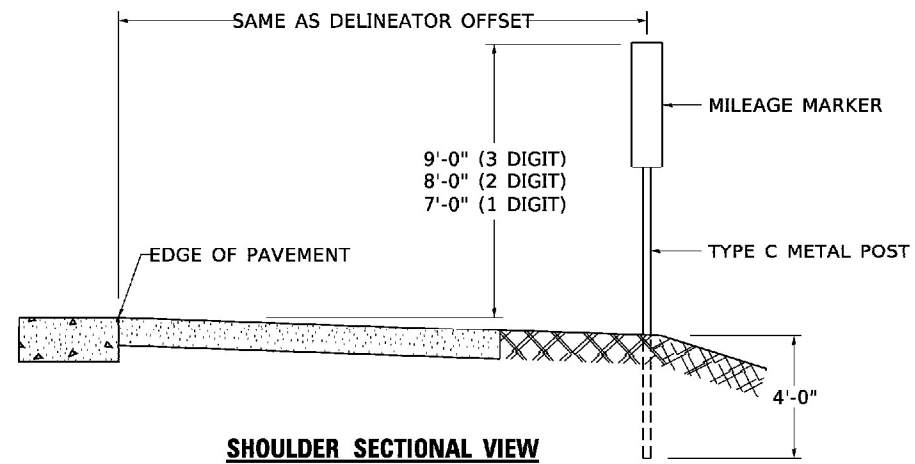
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

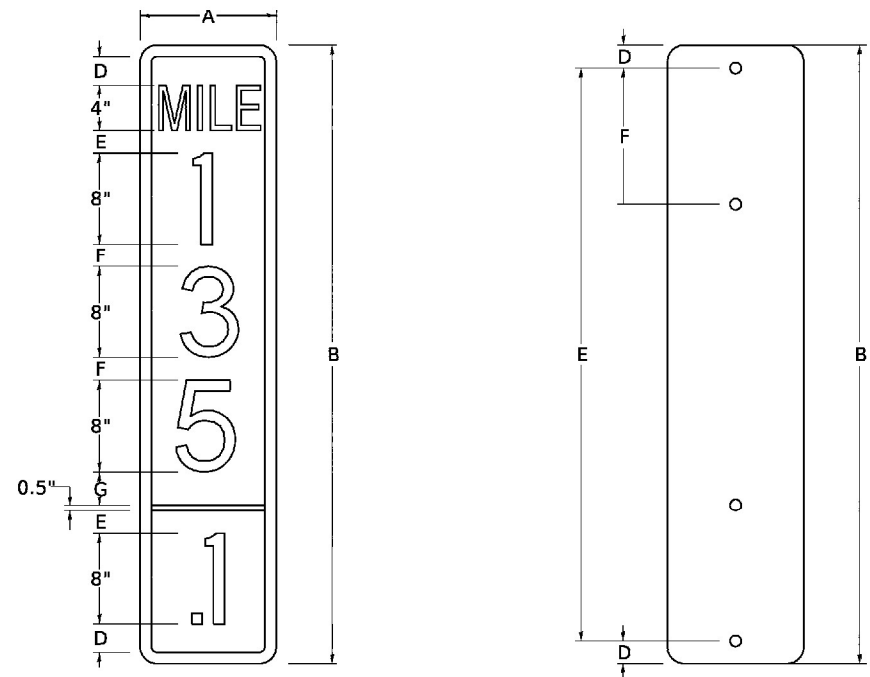
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	352
TC-17		CONTRACT NO. 62P71		
ILLINOIS FED. AID PROJECT				

STANDARD DESIGN FOR MILE POST



SHOULDER SECTIONAL VIEW

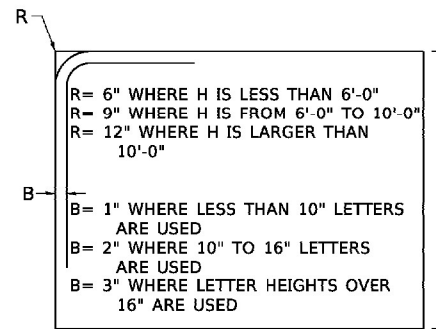


SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	DIGIT
12 x 24	12.0	24.0	1.5	1.5	1.5	N/A	1.5	1
12 x 36	12.0	36.0	1.5	2.0	2.0	2.0	1.5	2
12 x 48	12.0	48.0	1.5	2.5	2.0	2.0	2.5	3

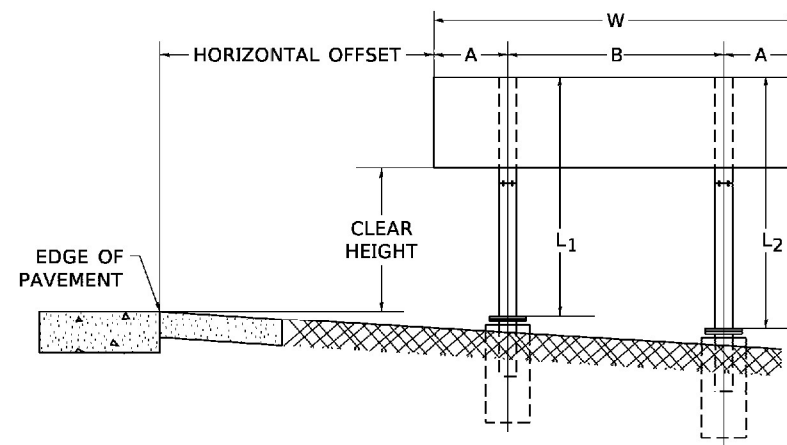
BLANK	A	B	C	D	E	F
B9-1224	12.0	24.0	1.5	2.0	20.0	N/A
B9-1236	12.0	36.0	1.5	2.0	32.0	12.0
B9-1248	12.0	48.0	1.5	2.0	44.0	12.0

SIGN SIZE	SERIES					BORDER	BLANK STD.
	LINES						
	1	2	3	4	5		
12 x 24	4C	8D	4C	N/A	N/A	0.5	B9-1224
12 x 36	4C	8D	8D	4C	N/A	0.5	B9-1236
12 x 48	4C	8D	8D	8D	4C	0.5	B9-1248

BORDER AND RADIUS LAYOUT



MAJOR GUIDE SIGN LAYOUT

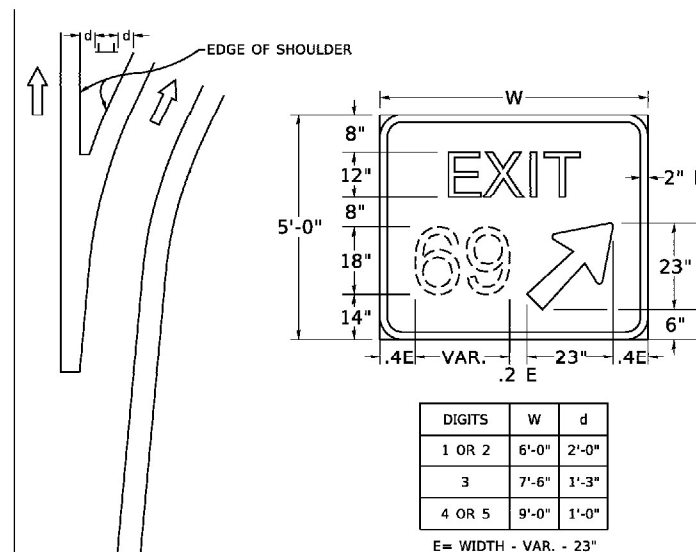


NUMBER OF STEEL SUPPORTS	A	B
2	.2 W	.6 W
3	.15 W	.35 W
4	.125 W	.25 W
5	.1 W	.2 W

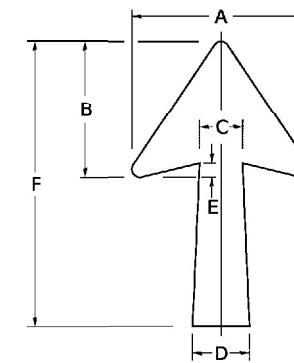
"L₁" IS THE LENGTH OF SUPPORT, NOT INCLUDING THE STUB PROJECTION, CLOSEST TO THE EDGE OF THE PAVEMENT.

"A" IS THE DISTANCE FROM THE SIGN EDGE TO THE CENTERLINE OF THE NEAREST SUPPORT. "B" IS THE DISTANCE BETWEEN CENTERLINES OF SUPPORTS.

GORE SIGNS

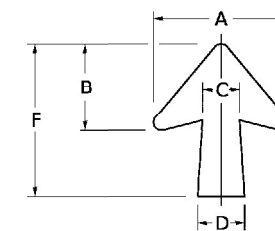


STANDARD ARROWS FOR INTERSTATE GUIDE SIGNS



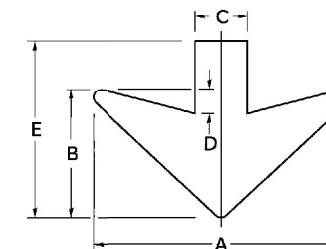
ARROW SYMBOL	A	B	C	D	E	F	R
24 1/4 x 15 1/8	15 1/8	11 1/8	3 3/8	5	1 1/8	24 1/4	1 3/8
29 1/4 x 18 1/4	18 1/4	14	4 1/2	6	1 1/2	29 1/4	3/4
35 1/4 x 22 1/4	22 1/4	17	5 1/2	7 1/2	1 3/4	35 1/4	1
18 1/4 x 11 1/4	11 1/4	8 3/4	3 1/2	3 3/4	3/4	18 1/4	

NOTE: D & F ARE RECOMMENDED DIMENSIONS. TAPER SHOULD BE HELD CONSTANT FOR LONGER OR SHORTER SHAFT LENGTHS



ARROW SYMBOL	A	B	C	D	E	F	R
17 1/4 x 14 1/4	14 1/4	9 3/8	3 3/8	4 1/2	5/8	17 1/4	3/4
20 1/4 x 17 1/4	17 1/4	11 3/4	4 1/2	5 1/2	1 1/2	20 1/4	
25 x 21 1/8	21 1/8	14 1/4	5	6 3/4	1 3/4	25	1
9 1/8 x 8 1/8	8 1/8	5 1/8	2 1/8	2 1/8		9 1/8	1/2

DOWN ARROWS



ARROW SYMBOL	A	B	C	D	E	R
16 1/2 x 24	24	12	5	1 1/2	16 1/2	3/4
22 x 32	32	16	6 1/2	3	22	1

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	DATE - 03-08-1984	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MILE POST MARKERS - GORE SIGNS
MAJOR GUIDE SIGN LAYOUT - ARROWS**

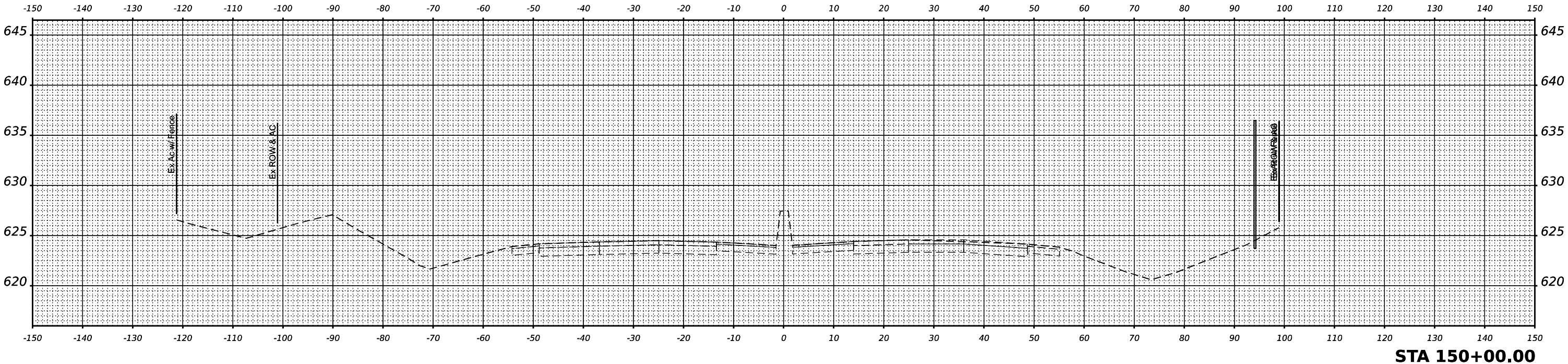
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F.A.I. RTE. I-80	SECTION 2021-154-R	COUNTY WILL	TOTAL SHEETS 477	SHEET NO. 354
TC-27 (TS-2341-1)		CONTRACT NO. 62P71		
ILLINOIS FED. AID PROJECT				

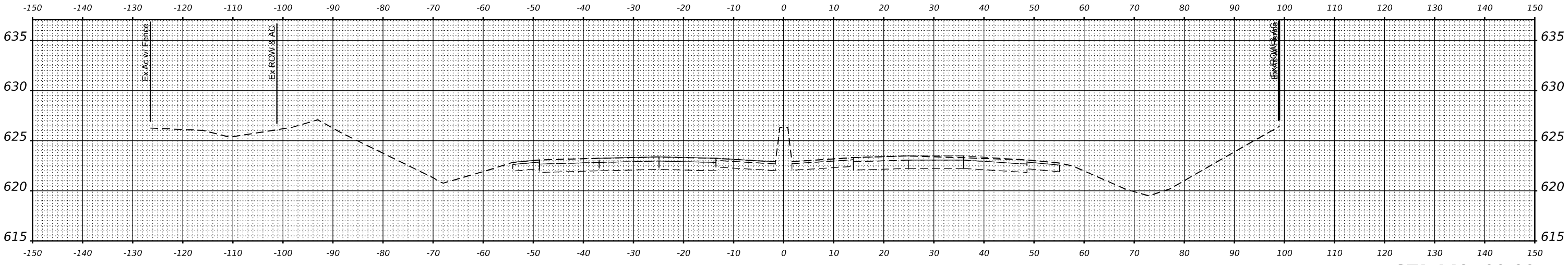
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AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

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

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STA 150+00.00



STA 149+00.00



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	DRAWN -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
INTERSTATE 80**

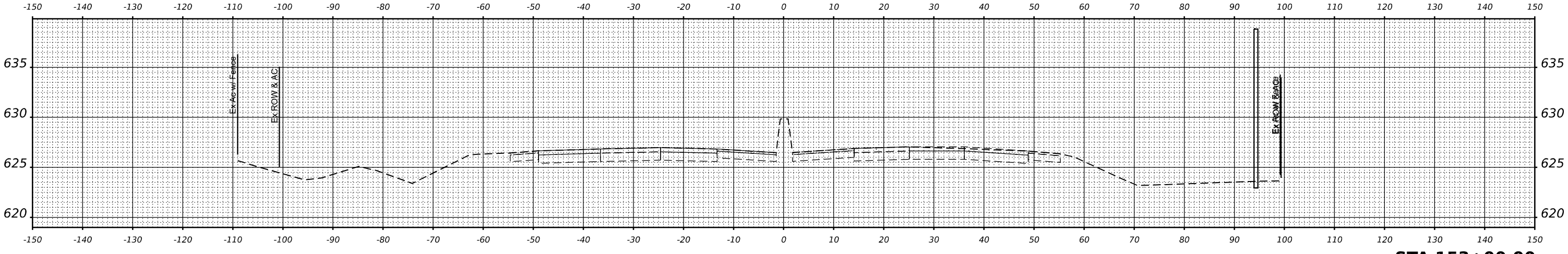
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 62P71
ILLINOIS FED. AID PROJECT				

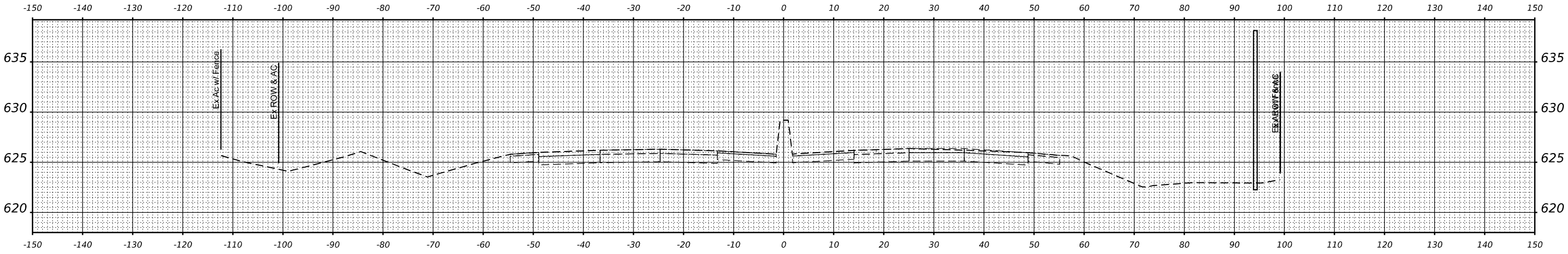
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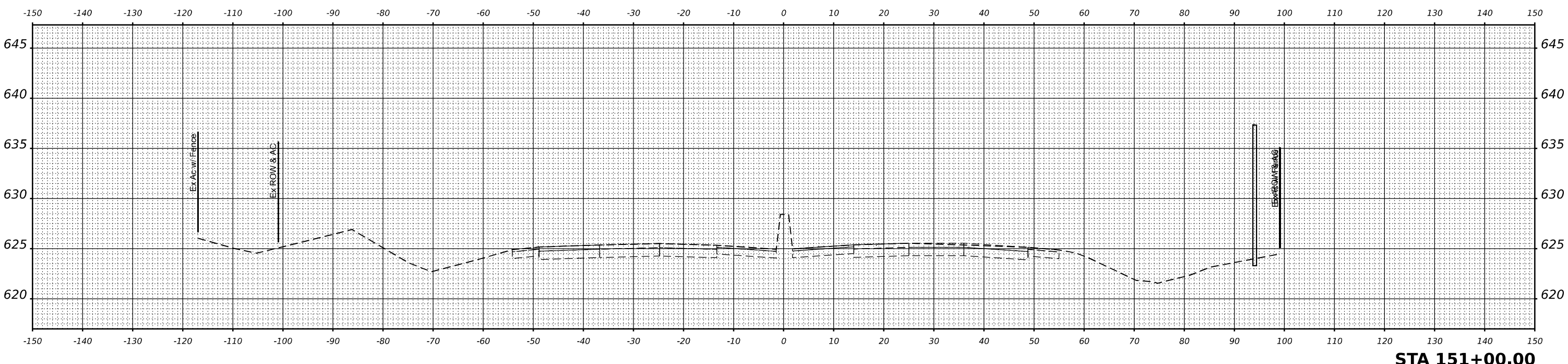
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STA 153+00.00



STA 152+00.00



STA 151+00.00



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

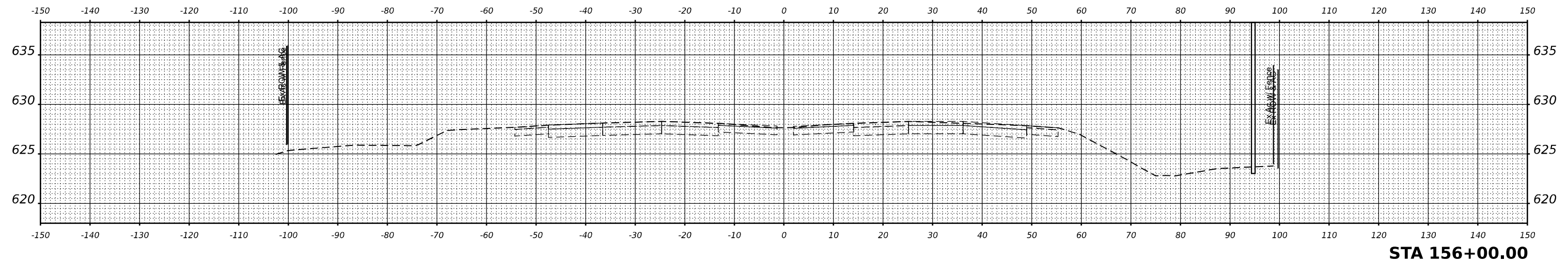
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			STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 62P71
				ILLINOIS FED. AID PROJECT

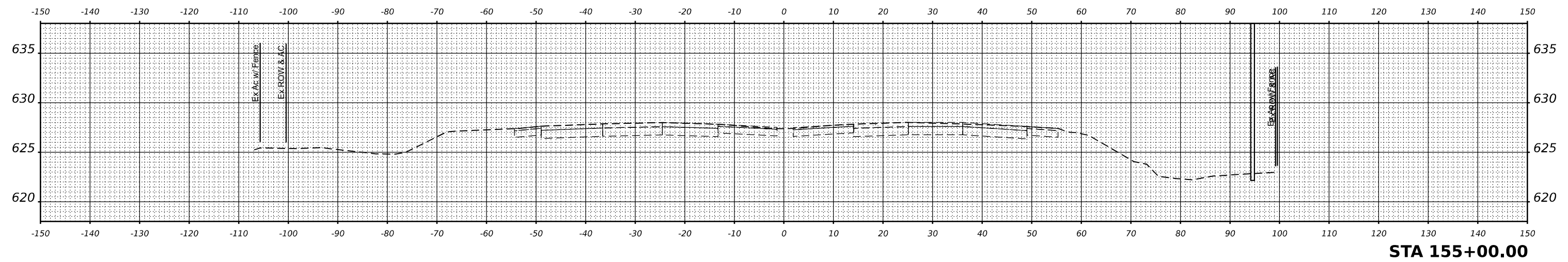
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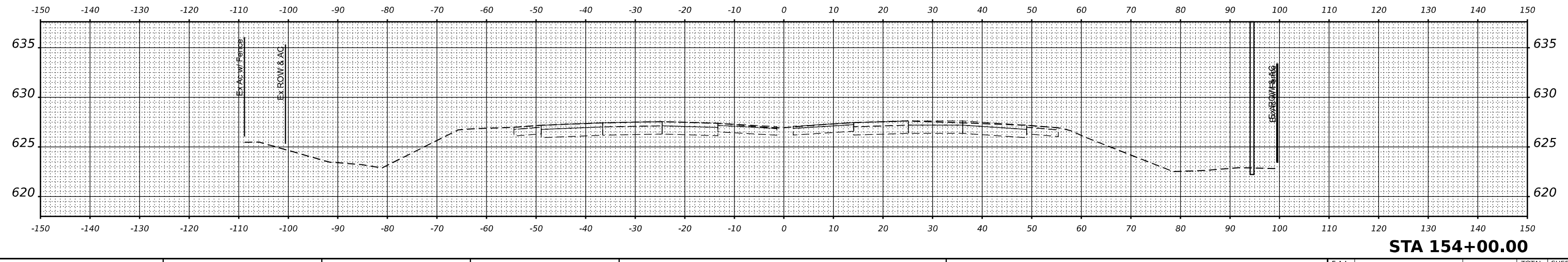
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STA 156+00.00



STA 155+00.00



STA 154+00.00



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

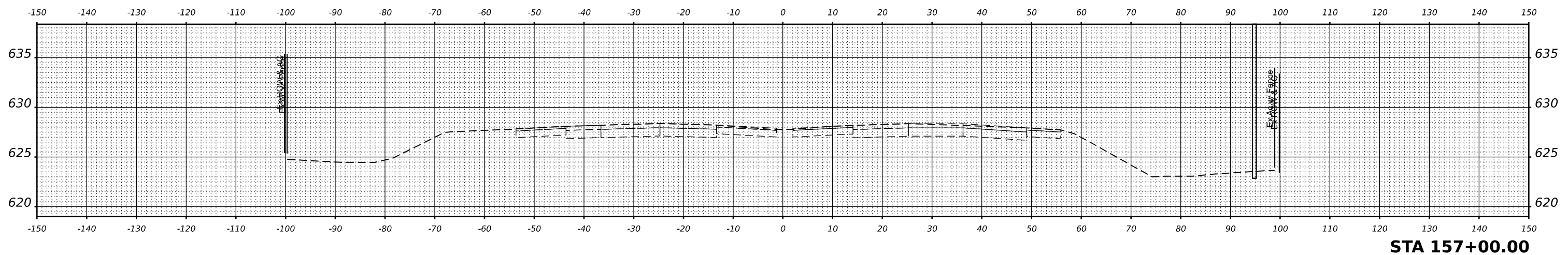
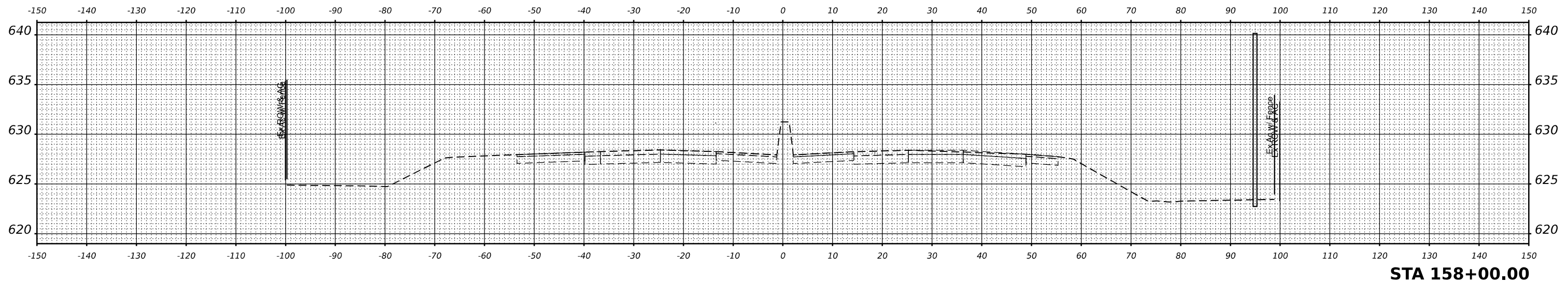
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	357
				CONTRACT NO. 62P71
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
INTERSTATE 80**

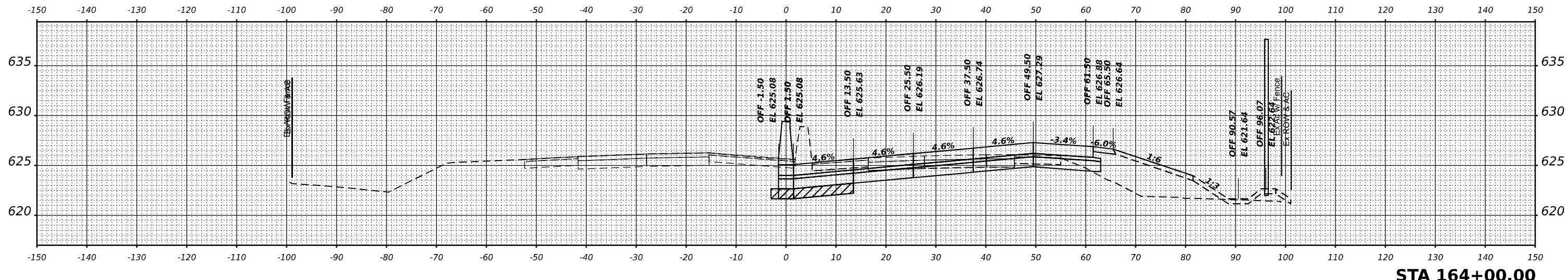
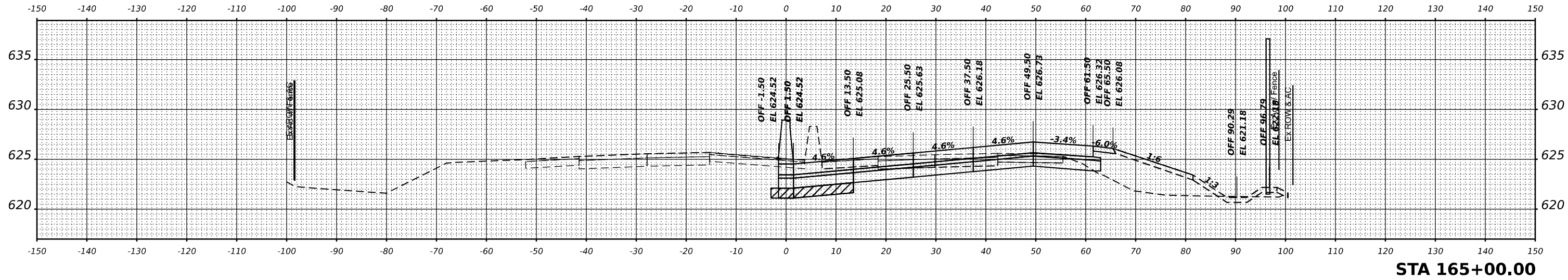
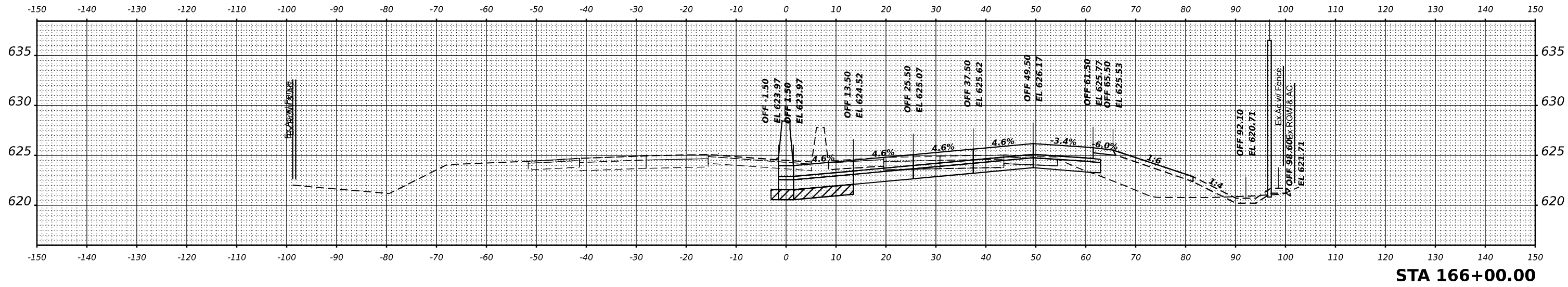
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 62P71	
		ILLINOIS	FED. AID PROJECT	

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

DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

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USER NAME	= dbook
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PLOT DATE	= 3/16/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA.
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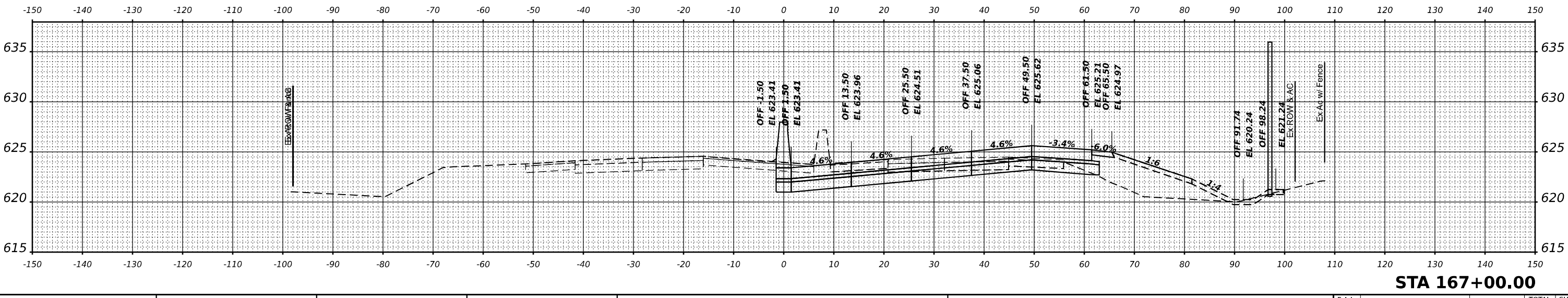
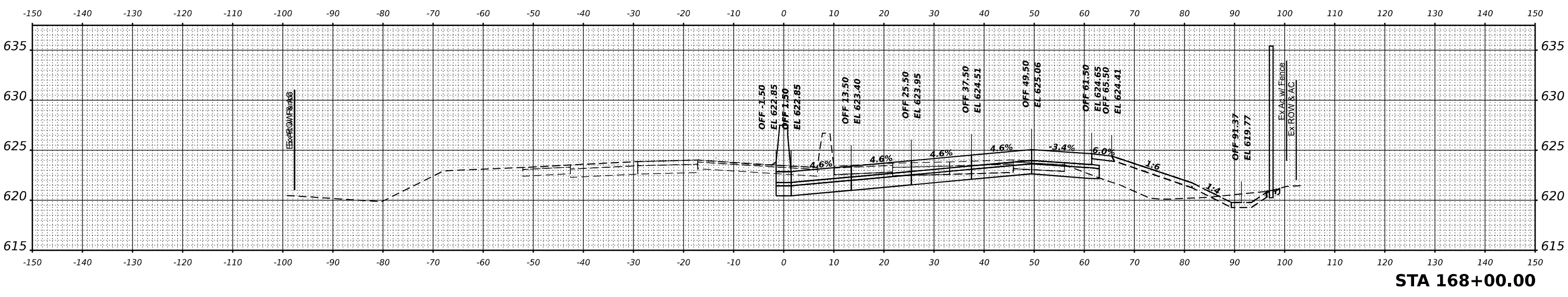
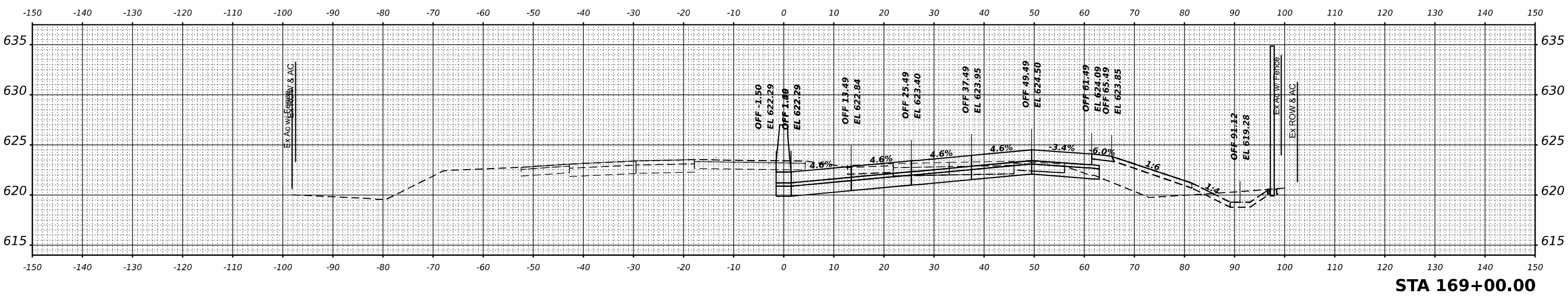
**CROSS SECTIONS
 STAGE 1**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	361
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
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	AREAS
	CHECKED

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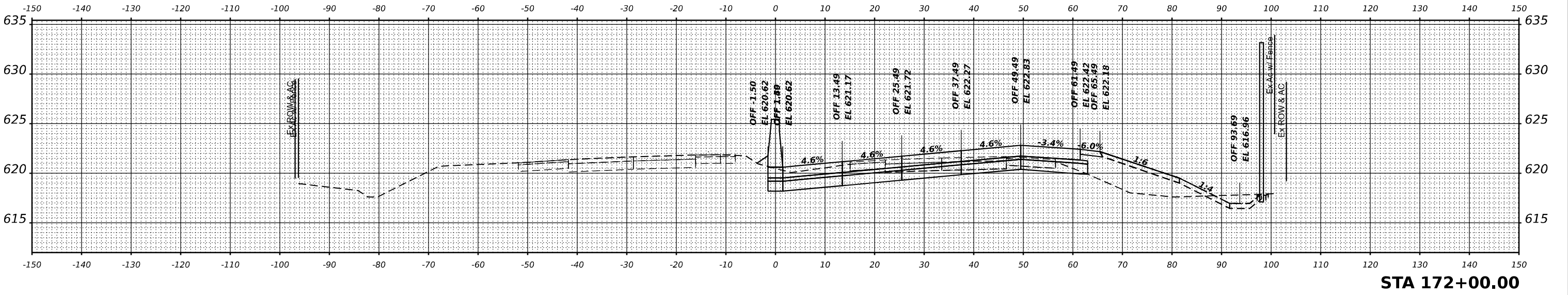
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	DRAWN -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS STAGE 1			
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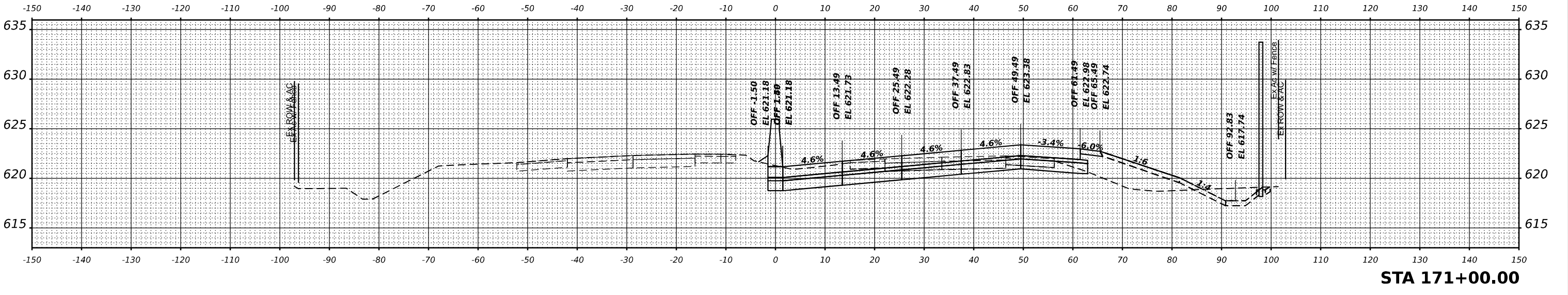
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I-80	2021-154-R	WILL	477	362
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

DATE	BY
SURVEYED	FINAL SURVEY
PLOTTED	NO. _____
TEMPLATE	NO. _____
AREAS	NO. _____
CHECKED	NO. _____



STA 172+00.00

DATE	BY
SURVEYED	ORIGINAL SURVEY
PLOTTED	NO. _____
TEMPLATE	NO. _____
AREAS	NO. _____
CHECKED	NO. _____



STA 171+00.00



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633''/ft.	DRAWN -	REVISED -
PLOT DATE = 3/16/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS STAGE 1				
SCALE:	SHEET	OF	SHEETS	STA.

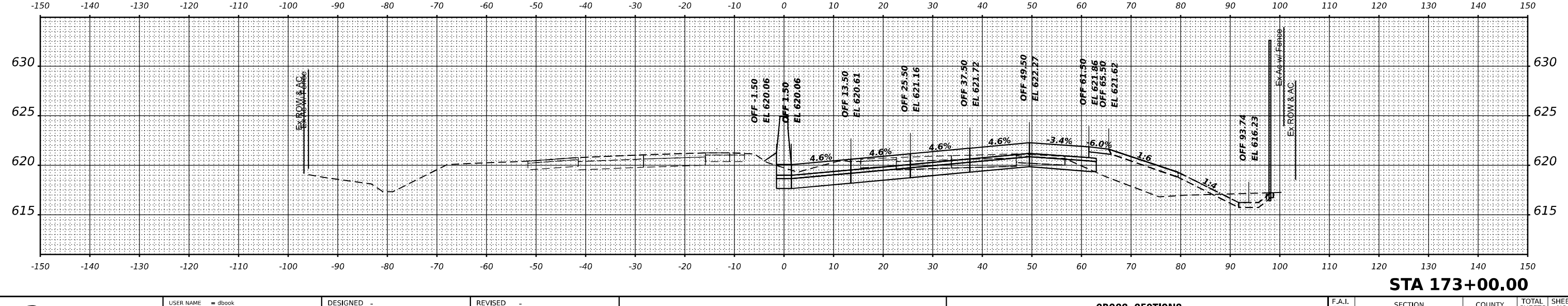
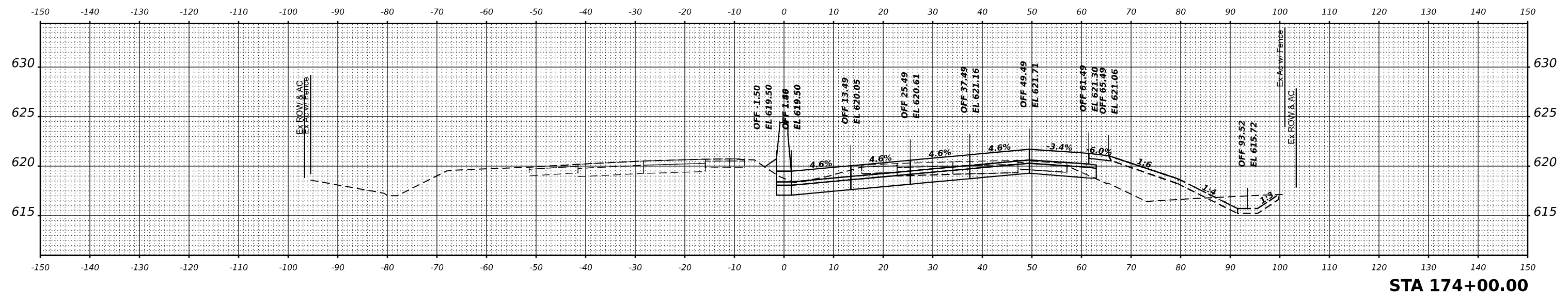
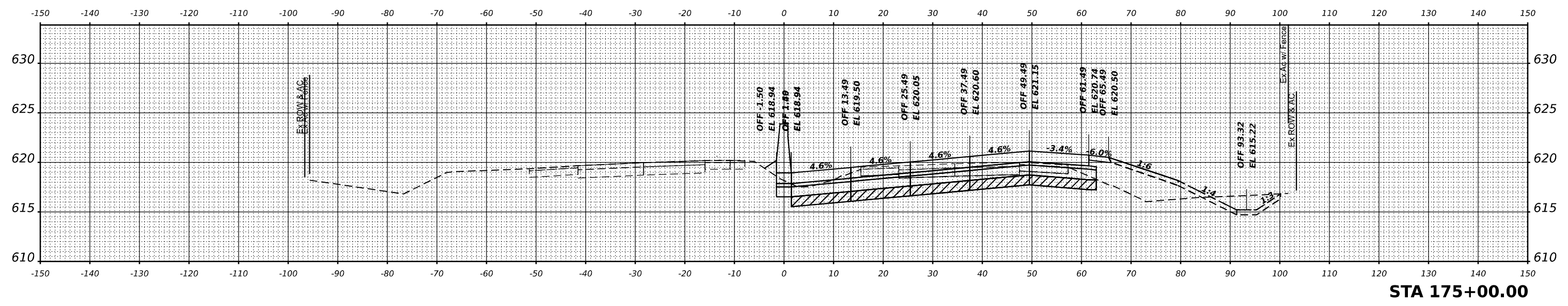
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	363
CONTRACT NO. 62P71				

MODEL: I-80 P-CL Phase 1 - 170+00.00-1
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FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS	
	CHECKED	

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

MODEL: I-80 P-CL Phase 1 - 173+00.00-1
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USER NAME = dbook	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/16"	CHECKED -	REVISED -
PLOT DATE = 3/16/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

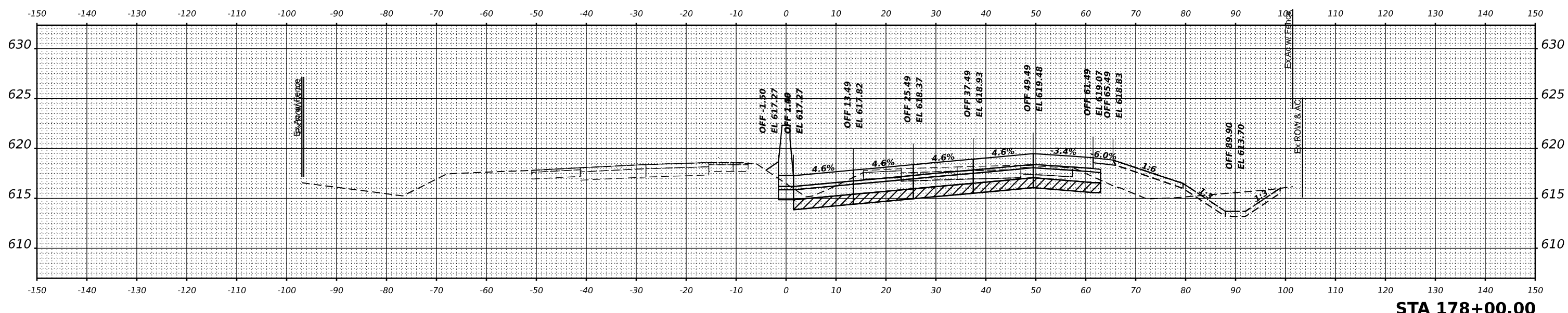
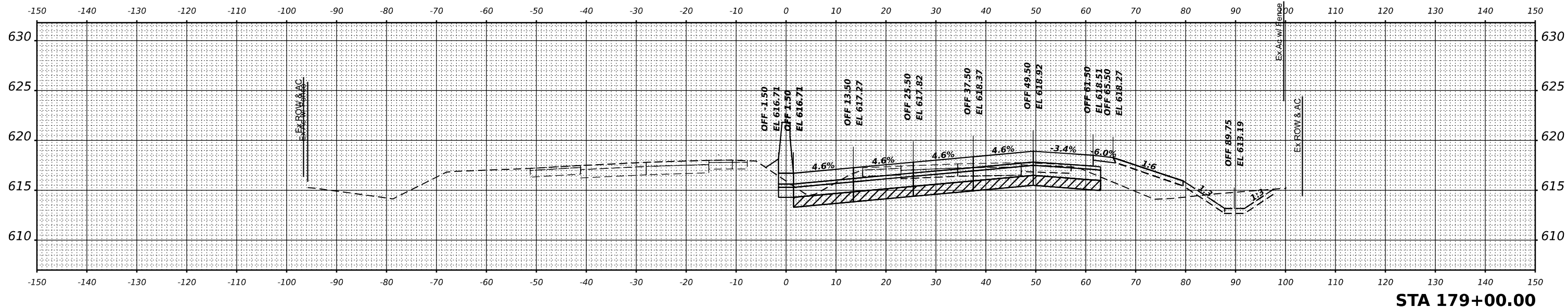
CROSS SECTIONS STAGE 1			
SCALE:	SHEET	OF	SHEETS
			STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	364
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

MODEL: I-80 P-CL Phase 1 - 178+00.00-1
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USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 3/16/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA.
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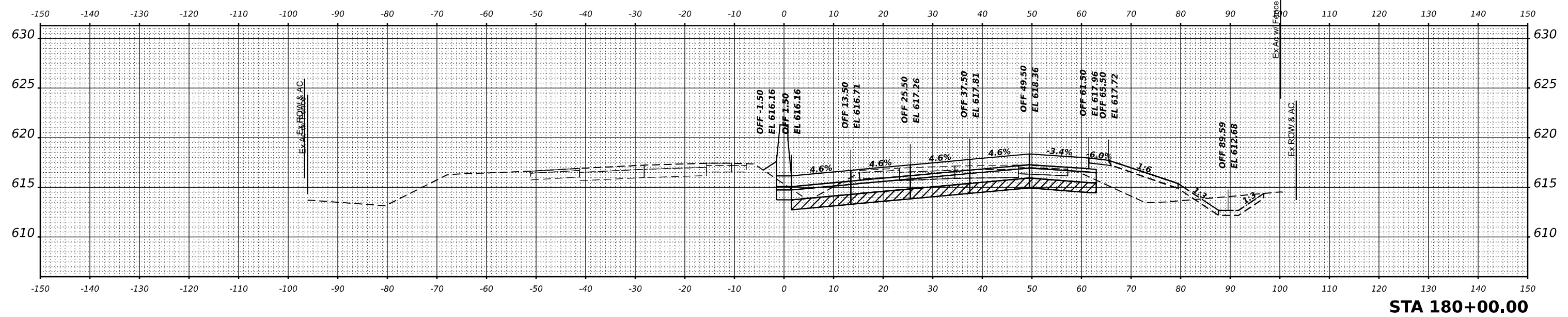
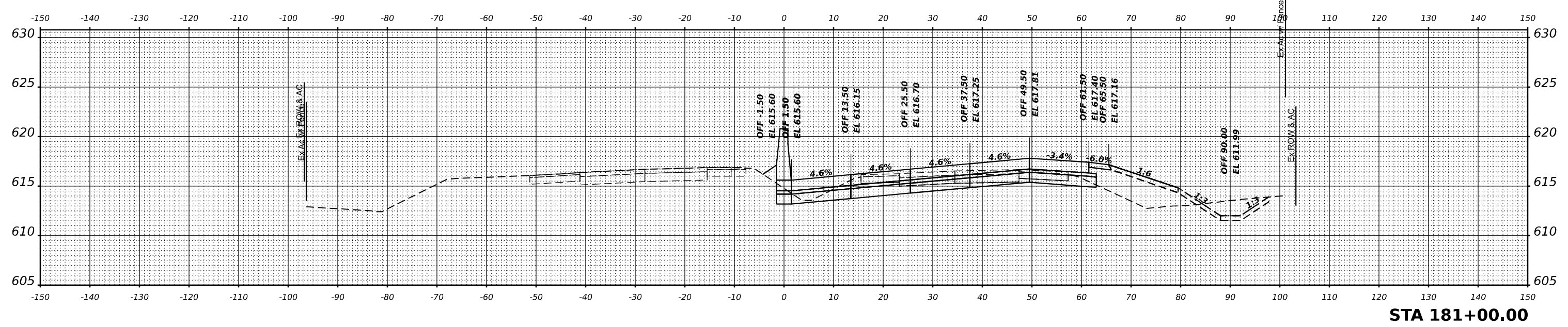
**CROSS SECTIONS
STAGE 1**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	366
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

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USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 3/16/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

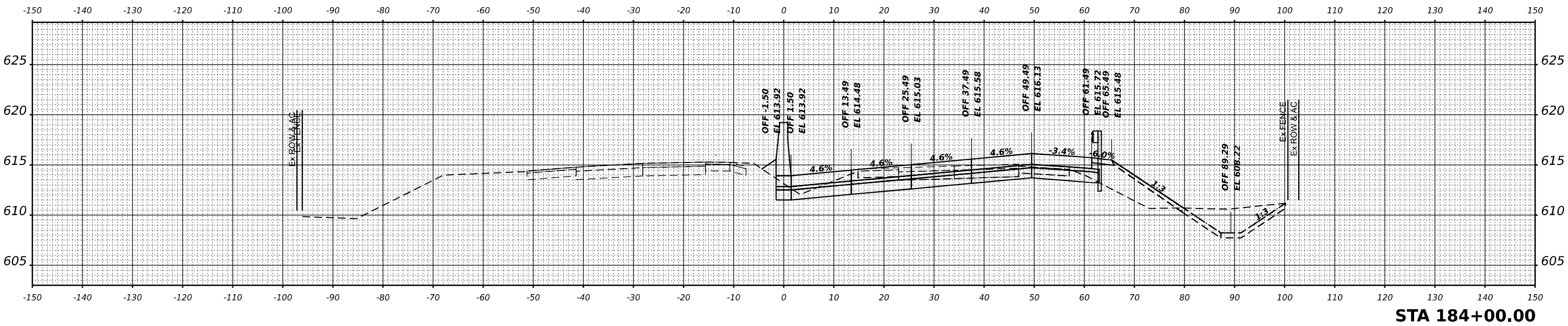
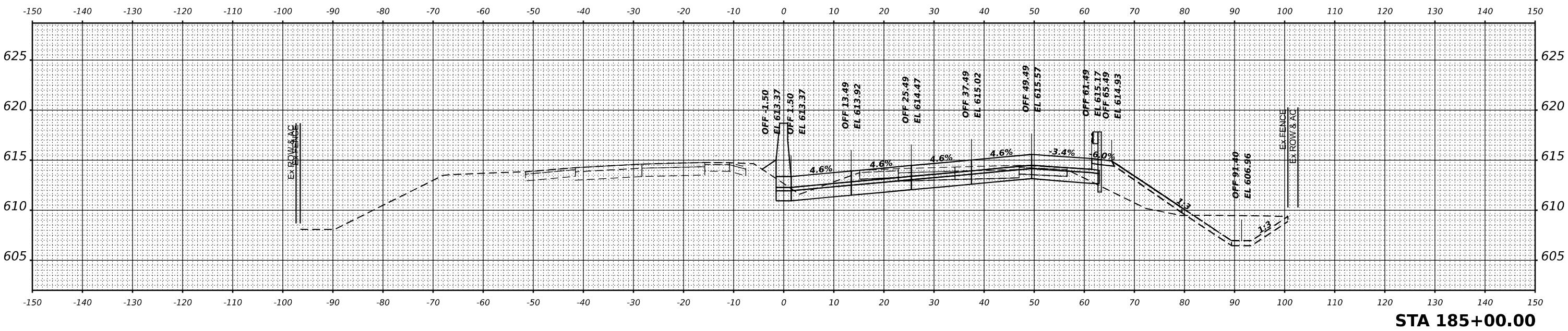
CROSS SECTIONS STAGE 1			
SCALE:	SHEET	OF SHEETS	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	367
				CONTRACT NO. 62P71
				ILLINOIS FED. AID PROJECT

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

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

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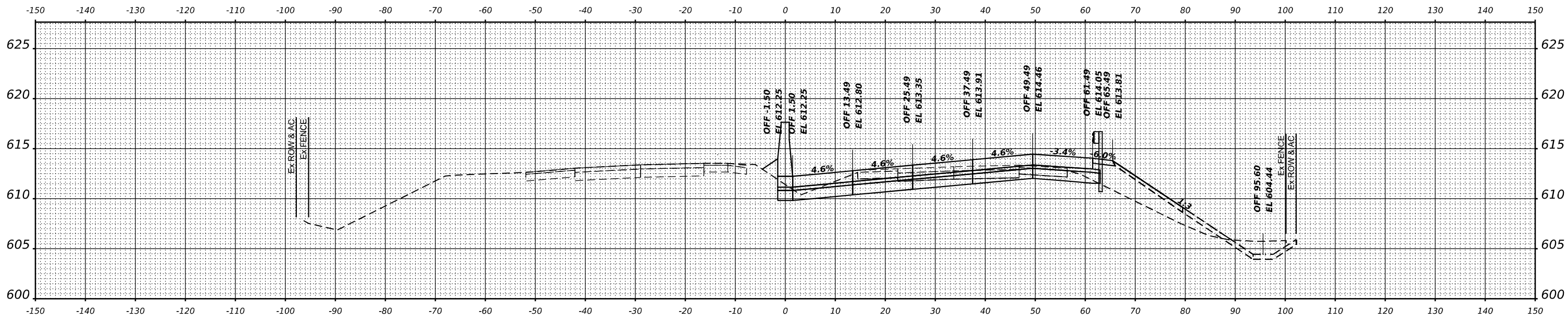
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PLOT SCALE = 0.16666633 1/In.	DRAWN -	REVISED -
PLOT DATE = 3/16/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

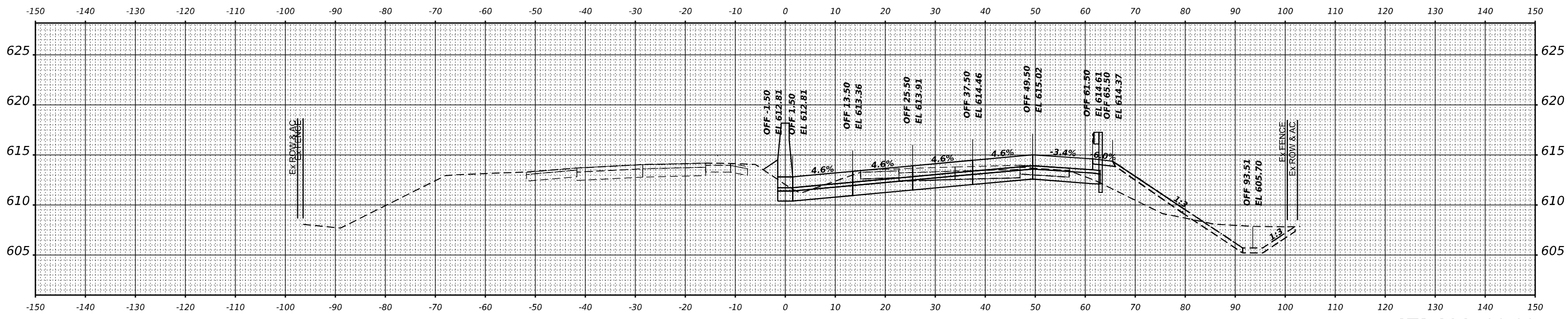
CROSS SECTIONS STAGE 1			
SCALE:	SHEET	OF SHEETS	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	369
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

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



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



MODEL I-80 P-CL Phase 1 - 186+00.00-1
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USER NAME = dbook	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	CHECKED -	REVISED -
PLOT DATE = 3/16/2023	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 STAGE 1

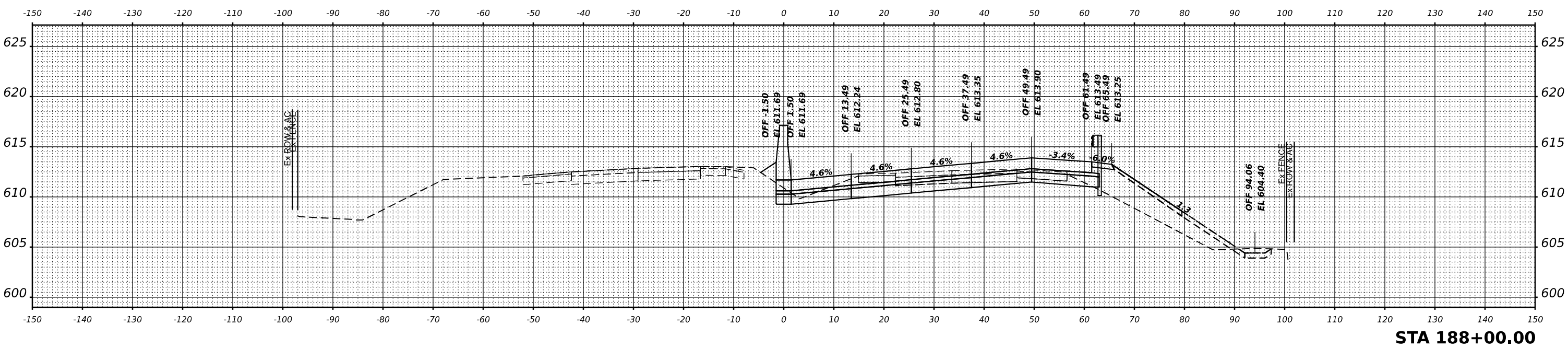
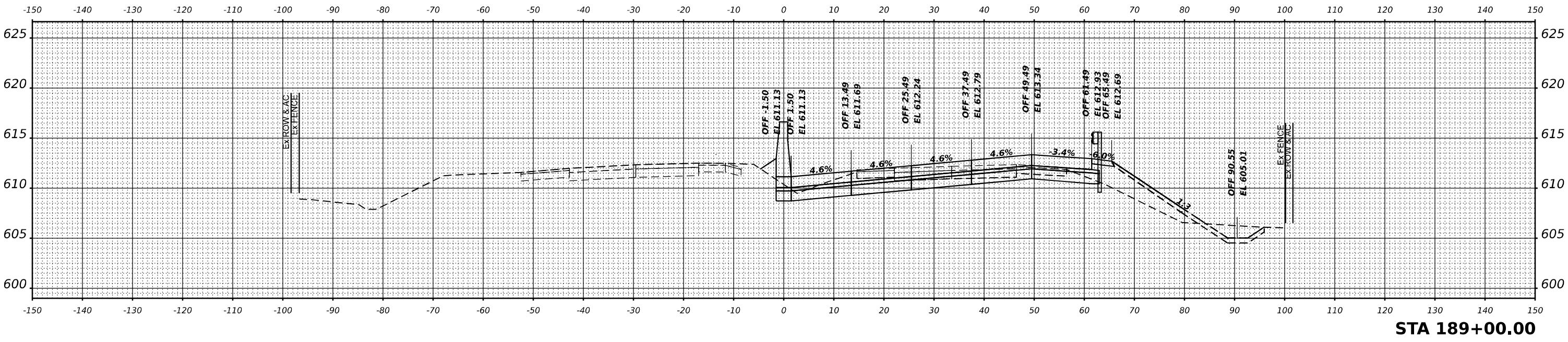
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	370
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 3/16/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

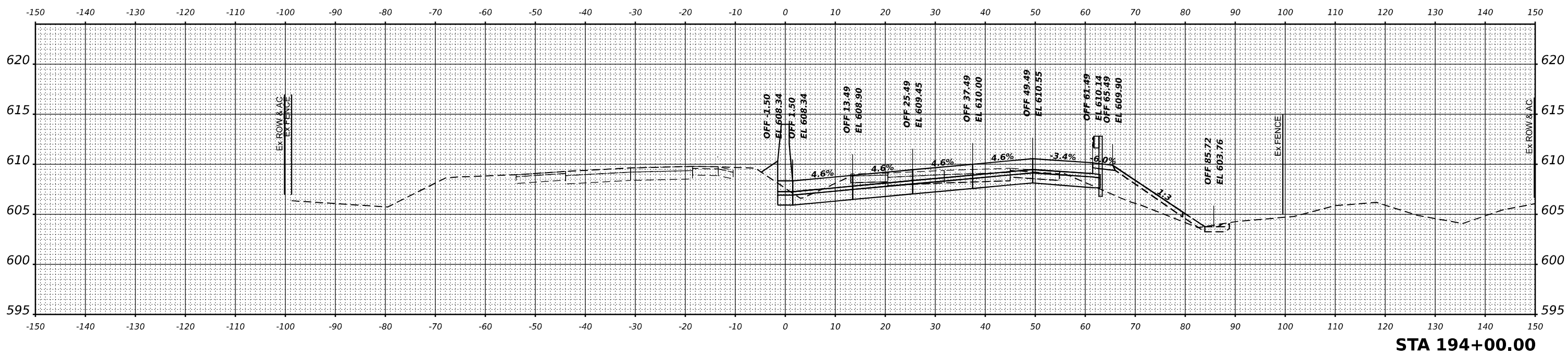
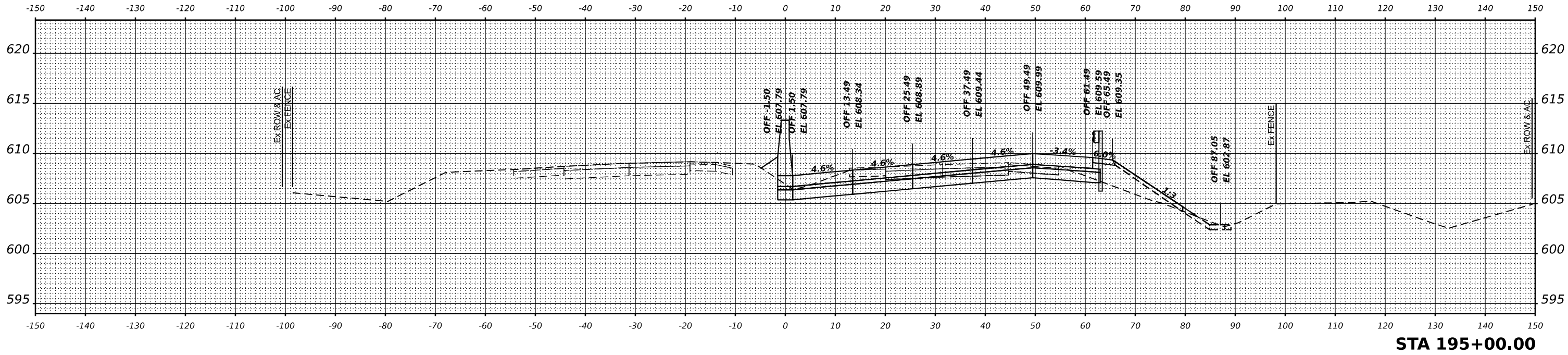
CROSS SECTIONS STAGE 1			
SCALE:	SHEET	OF SHEETS	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	371
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME	= dbook
PLOT SCALE	= 0.16666633 1/ in.
PLOT DATE	= 3/16/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
STAGE 1**

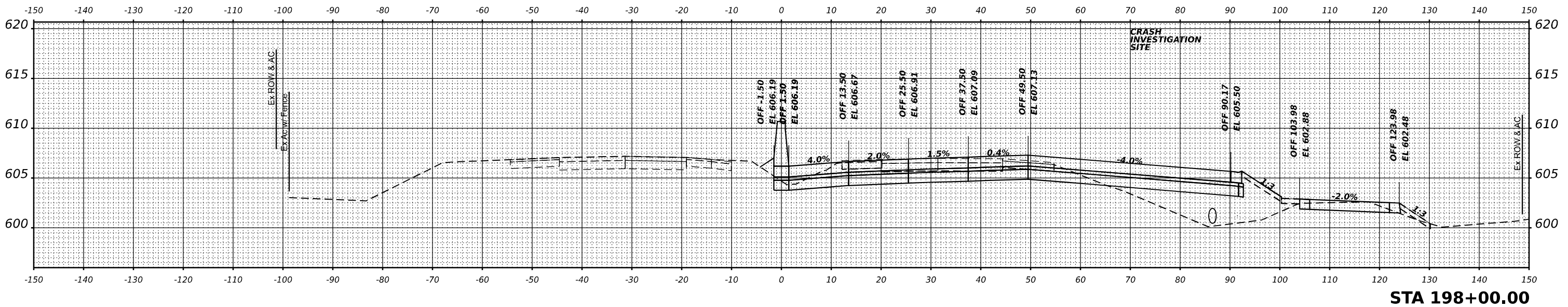
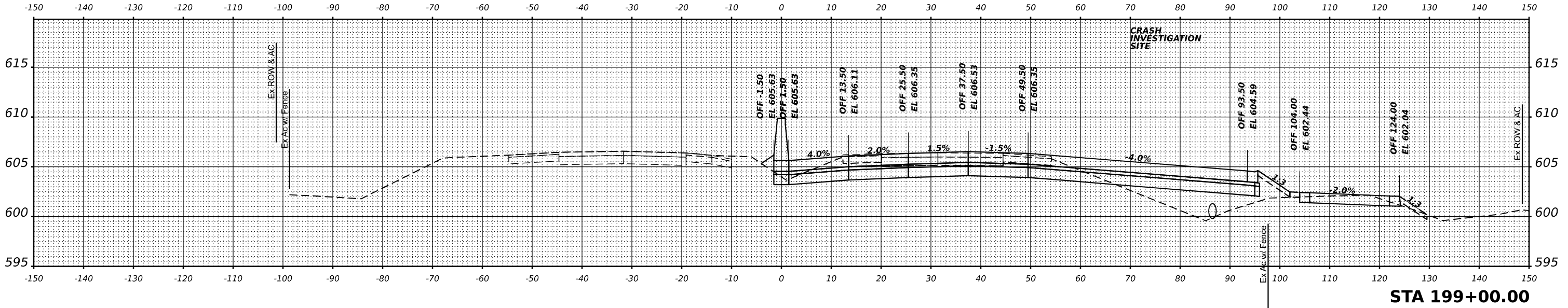
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	374
CONTRACT NO. 62P71			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

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USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 "/>	DRAWN -	REVISED -
PLOT DATE = 3/16/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STAGE 1

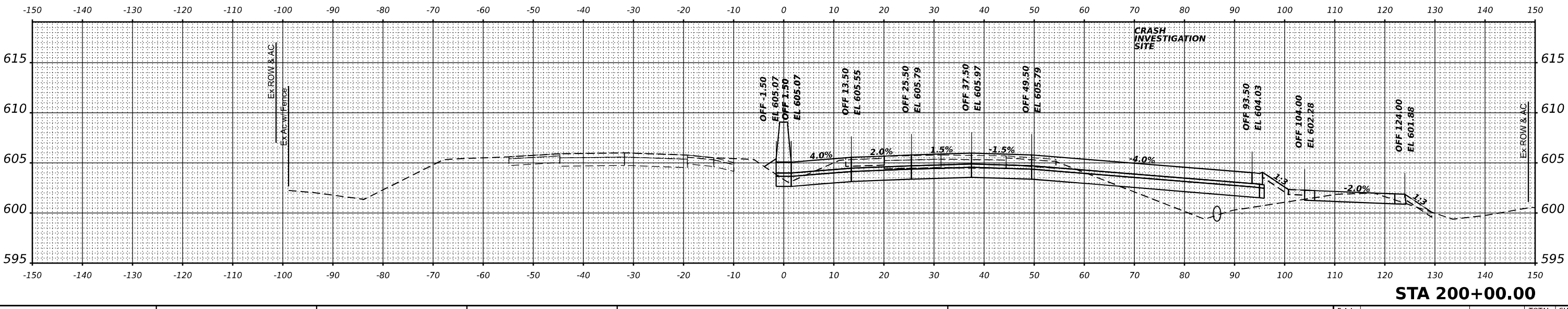
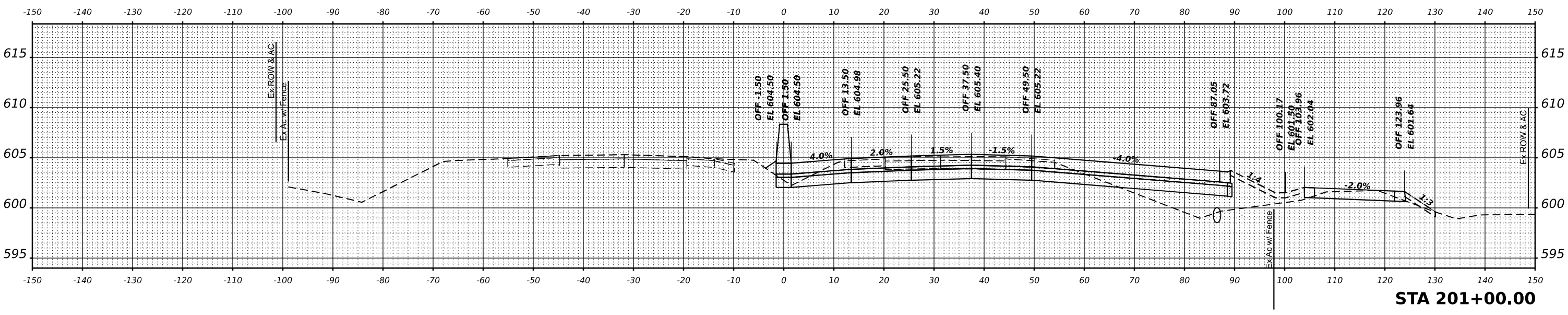
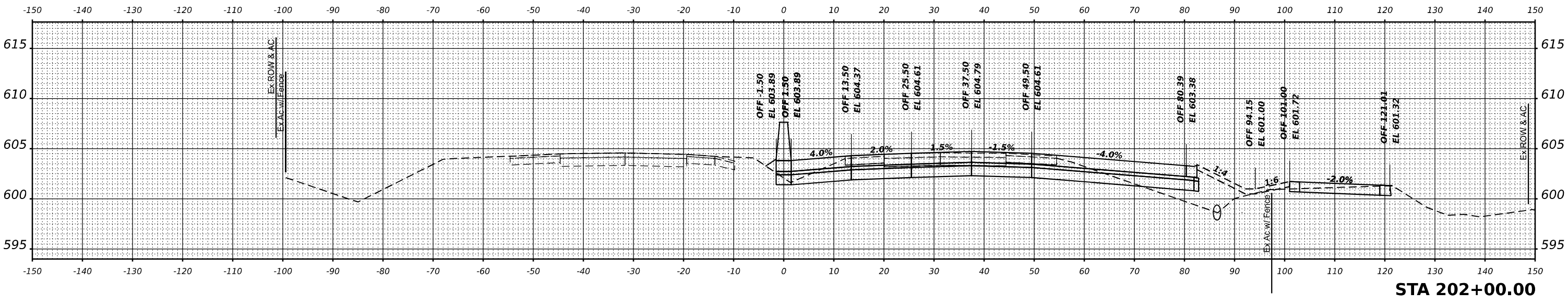
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	376
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = dbook	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLLOT DATE = 3/16/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA.
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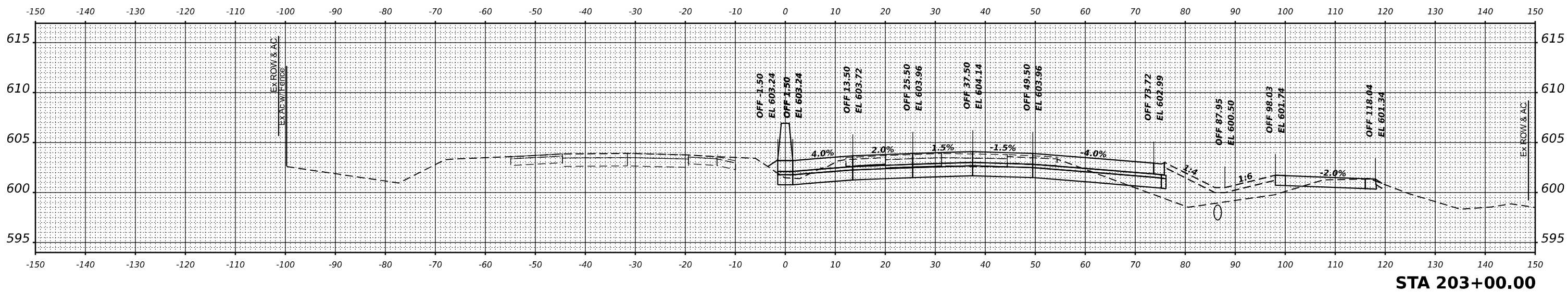
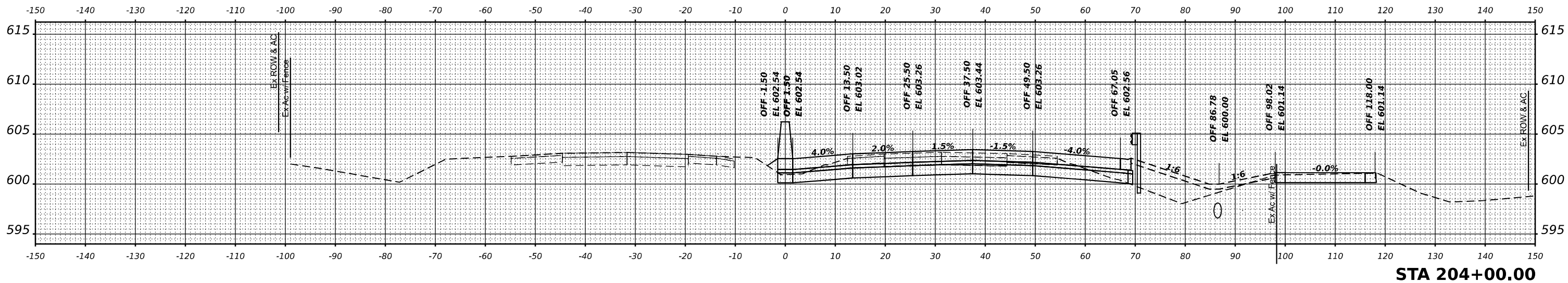
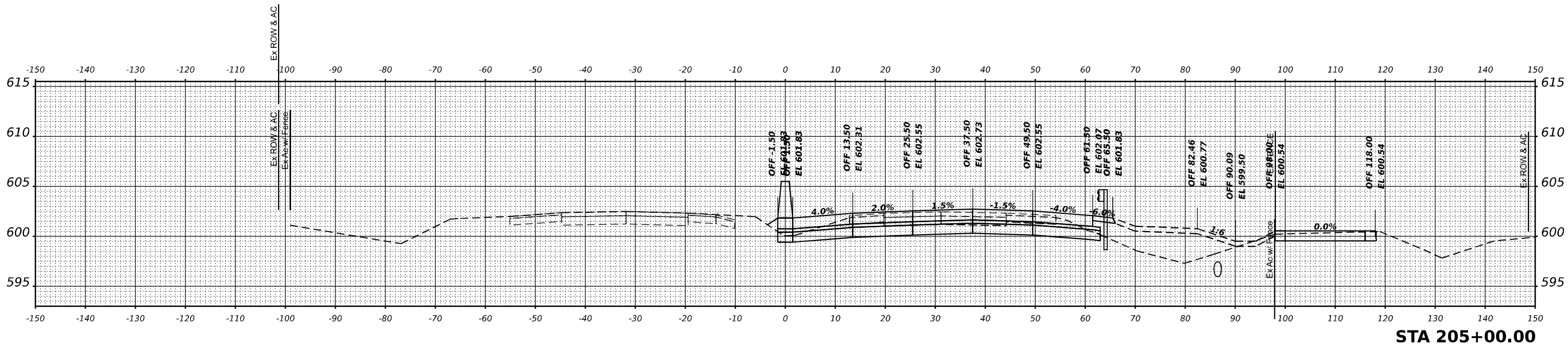
**CROSS SECTIONS
STAGE 1**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	377
			CONTRACT NO. 62P71	
		ILLINOIS	FED. AID PROJECT	

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

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

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USER NAME = dbook
 PLOT SCALE = 0.16666633 1/ in.
 PLOT DATE = 3/16/2023

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 STAGE 1**

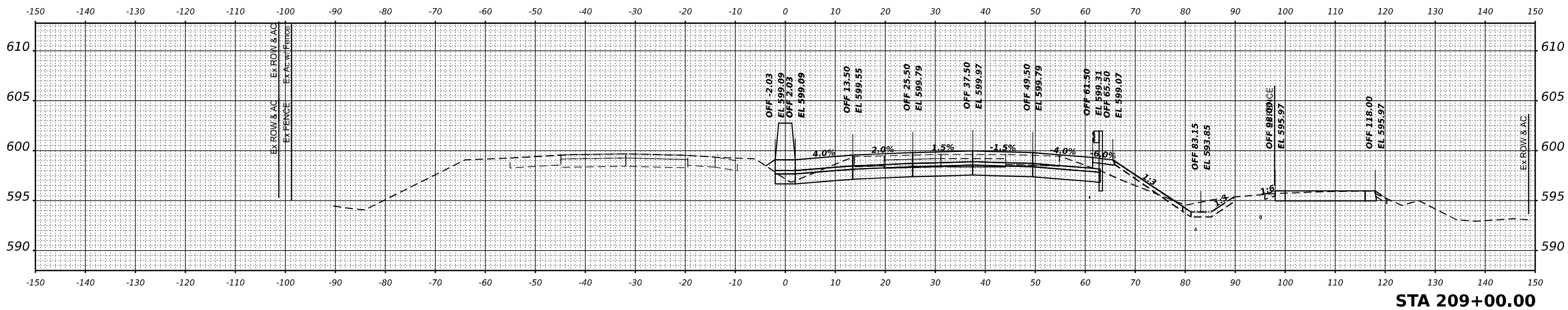
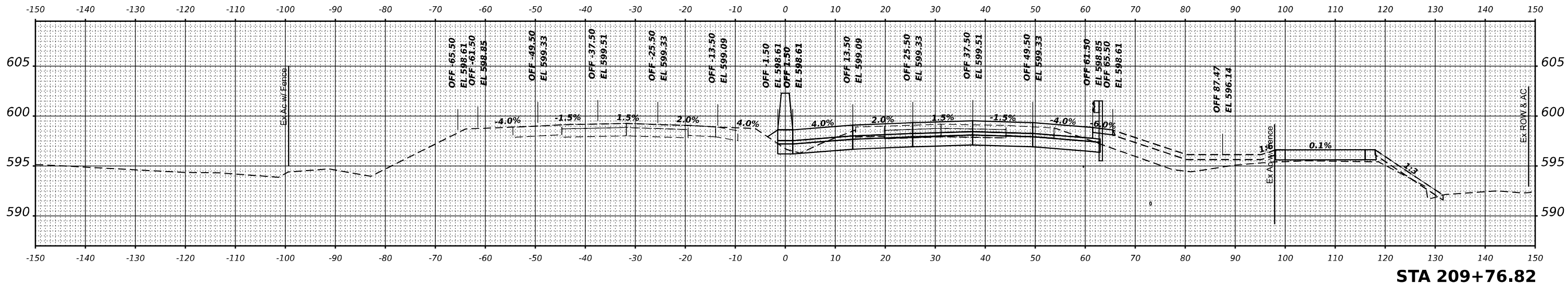
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	378
			CONTRACT NO. 62P71	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		

ORIGINAL SURVEY NO.	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		

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USER NAME = dbook	DESIGNED -	REVISED -
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PLOT DATE = 3/16/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
STAGE 1**

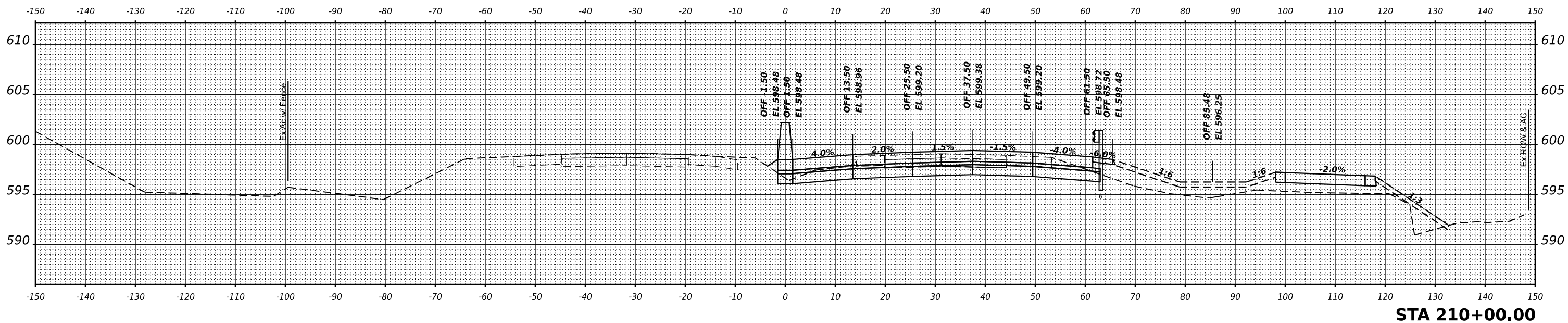
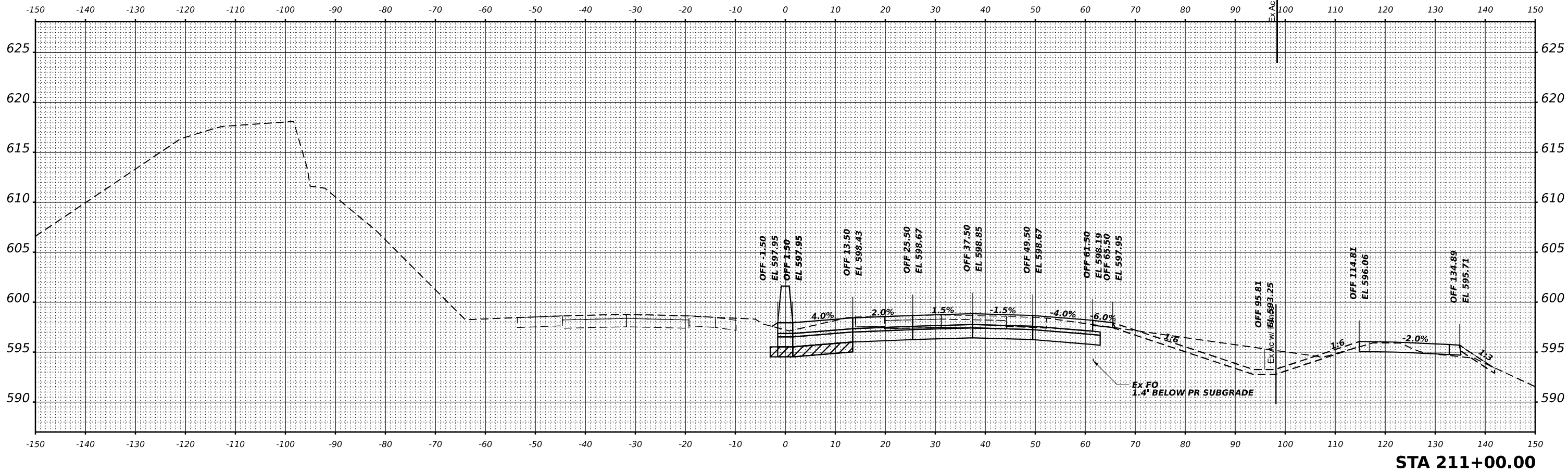
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	380
CONTRACT NO. 62P71			ILLINOIS FED. AID PROJECT	

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

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

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USER NAME	= dbook
PLOT SCALE	= 0.16666633 1/ in.
PLOT DATE	= 3/16/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
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REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
STAGE 1**

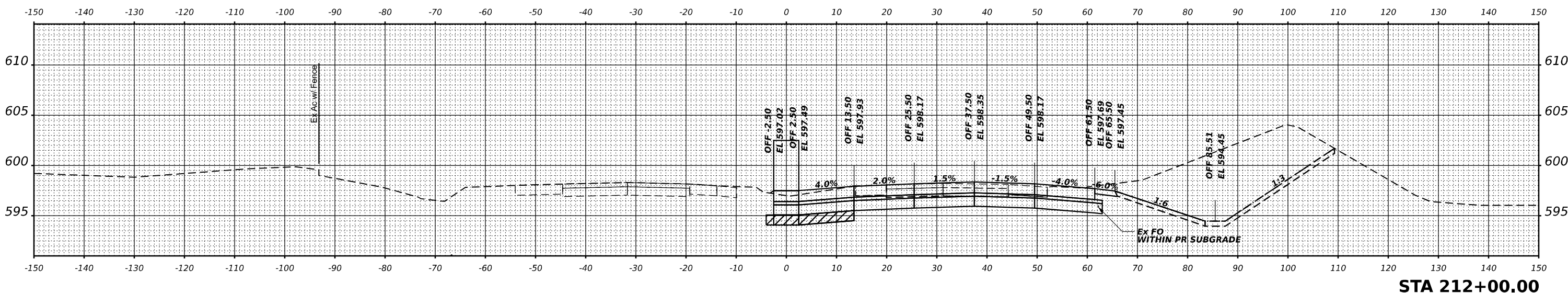
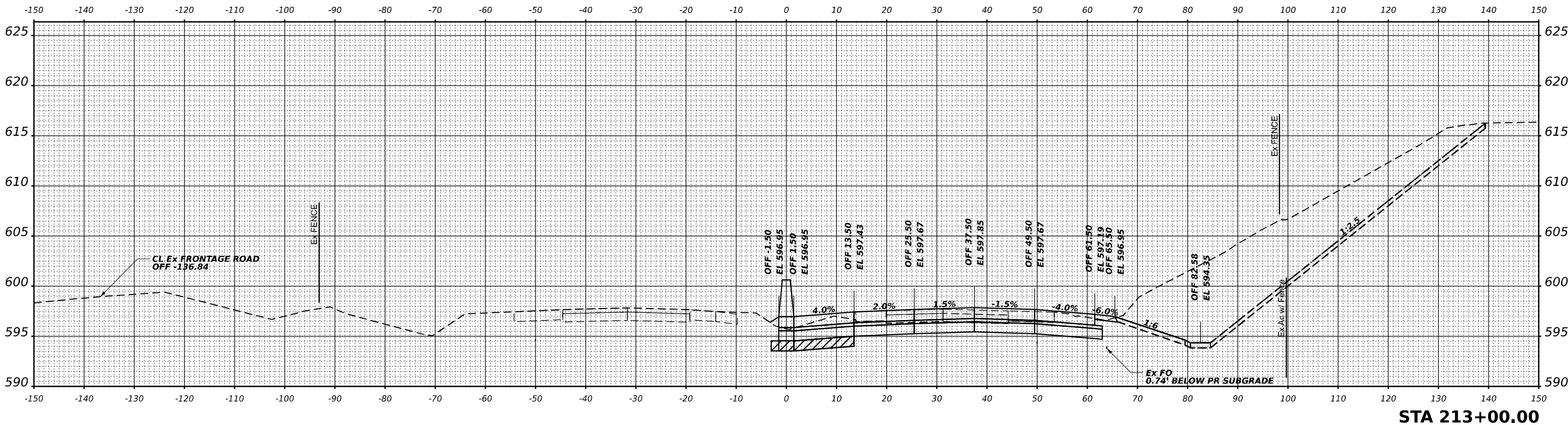
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	381
			CONTRACT NO. 62P71	
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME =	dbook
DESIGNED -	
DRAWN -	
REVISOR -	
PLOT SCALE =	0.16666633 1/ in.
CHECKED -	
REVISOR -	
PLOT DATE =	3/16/2023
DATE -	

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

REVISOR -	
REVISOR -	
REVISOR -	
REVISOR -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STAGE 1

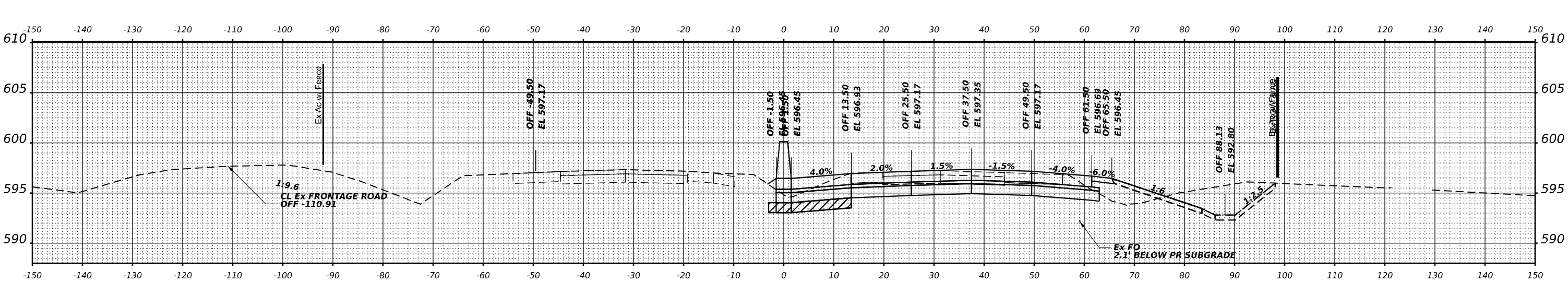
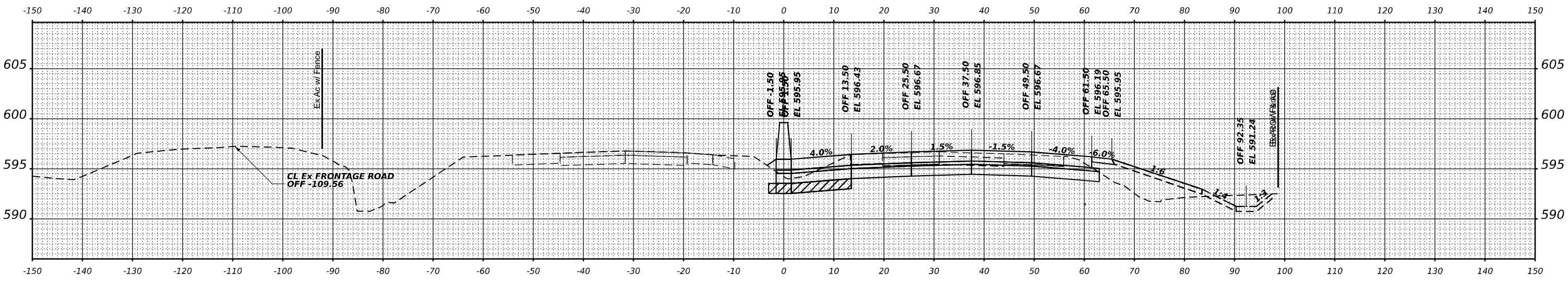
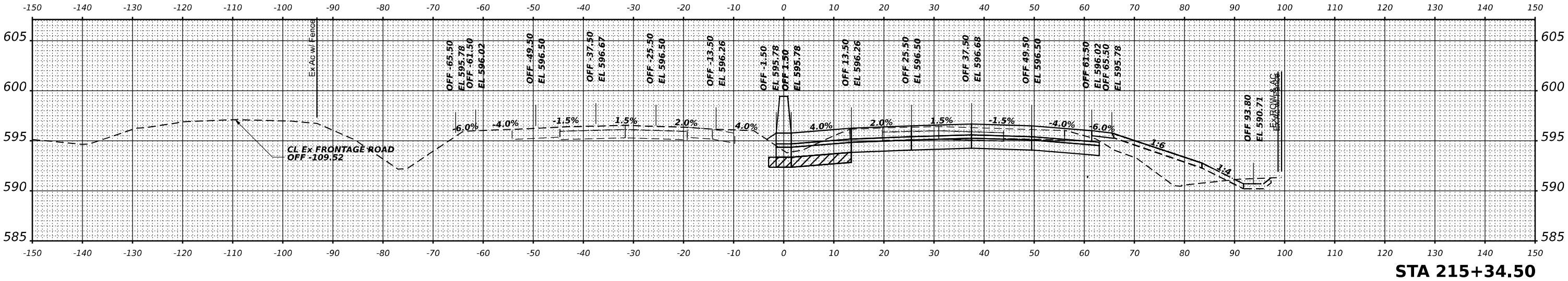
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	382
CONTRACT NO. 62P71				
ILLINOIS		FED. AID PROJECT		

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

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

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DRAWN	-
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PLotted DATE	= 3/16/2023

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

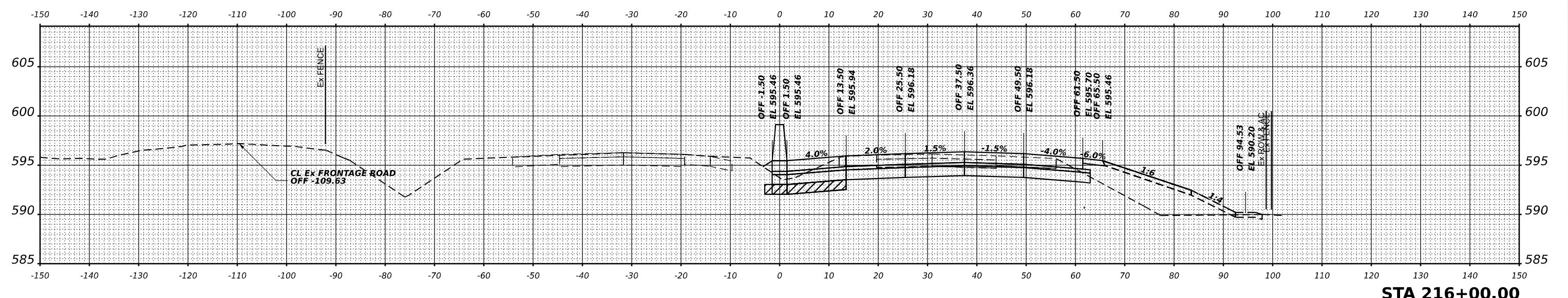
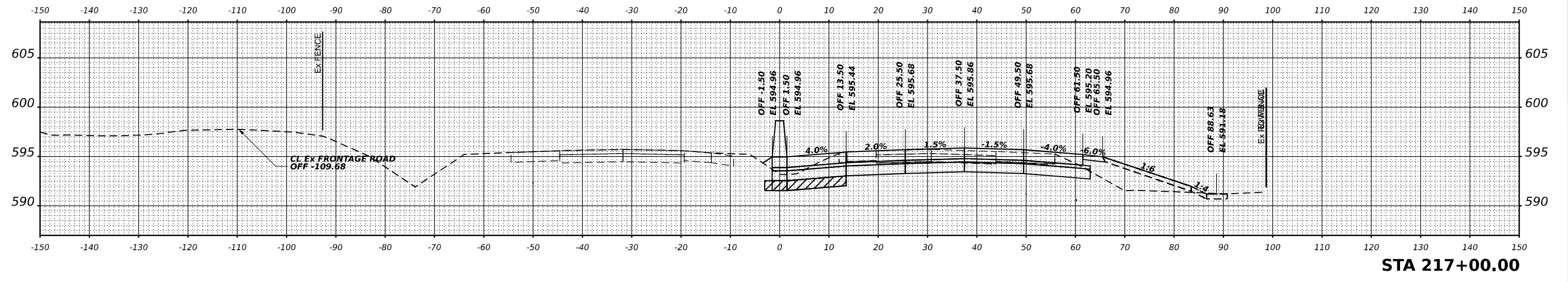
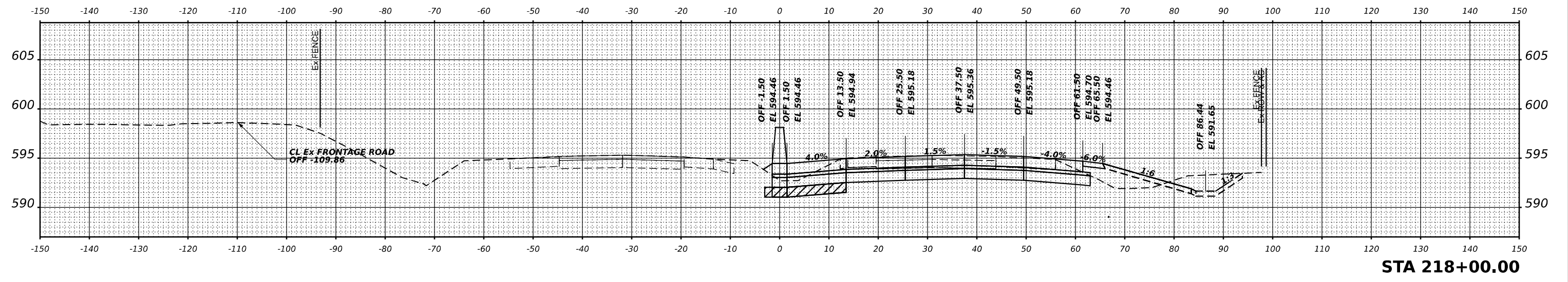
CROSS SECTIONS STAGE 1			
SCALE:	SHEET	OF SHEETS	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	383
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME	= dbook
PLOT SCALE	= 0.16666633 1/ in.
PLOT DATE	= 3/16/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET	OF	SHEETS	STA.
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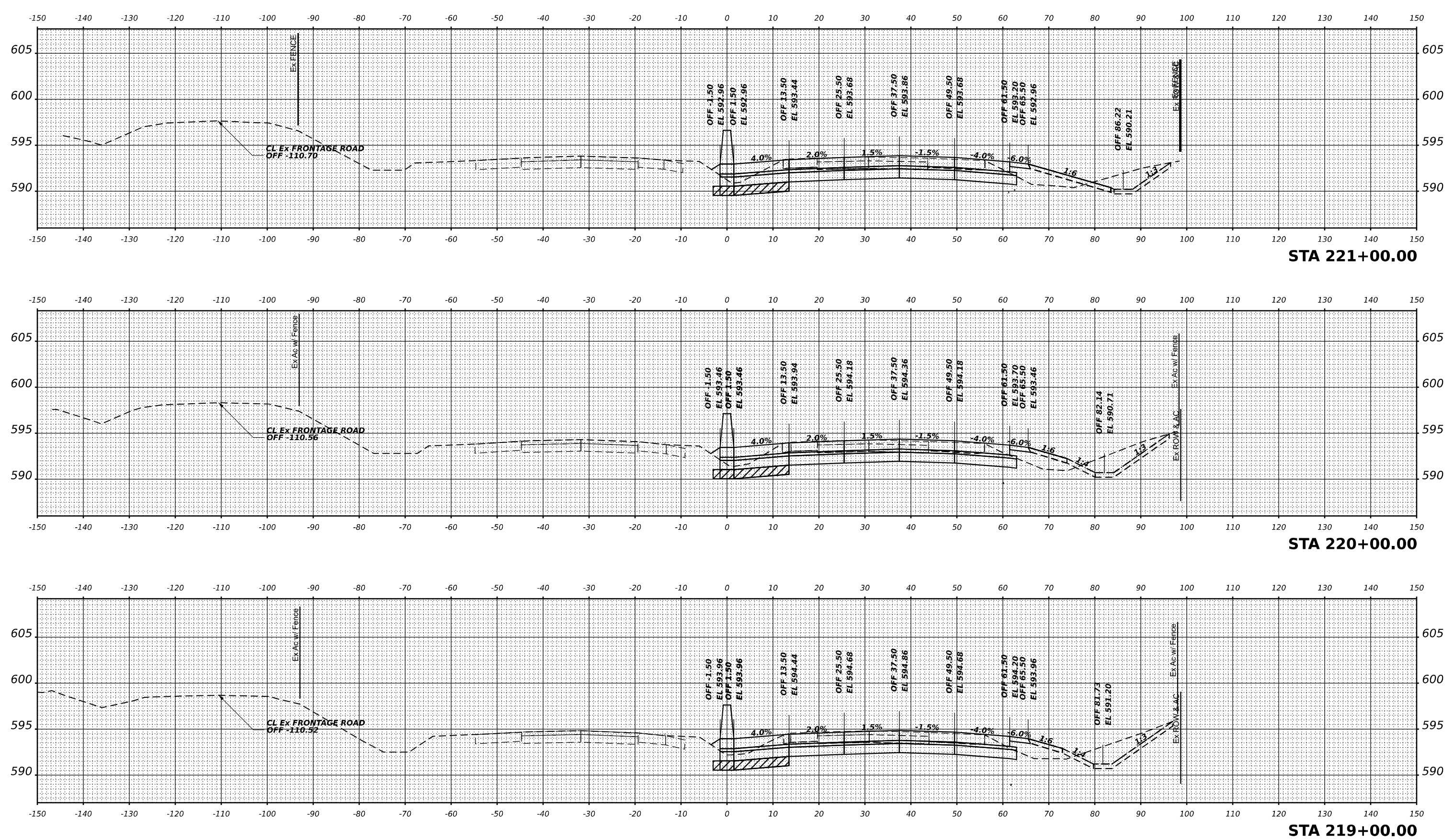
**CROSS SECTIONS
STAGE 1**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	384
CONTRACT NO.			62P71	
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY	NO.
SURVEY	NO.
PLOTTED	NO.
TEMPLATE	NO.
AREAS CHECKED	NO.
AREAS CHECKED	NO.

ORIGINAL SURVEY	NO.
SURVEY	NO.
PLOTTED	NO.
TEMPLATE	NO.
AREAS CHECKED	NO.
AREAS CHECKED	NO.

MODEL: I-80 P-CL Phase 1 - 219-00-00-1
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STA 221+00.00

STA 220+00.00

STA 219+00.00



USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/in.	DRAWN -	REVISED -
PLOT DATE = 3/16/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

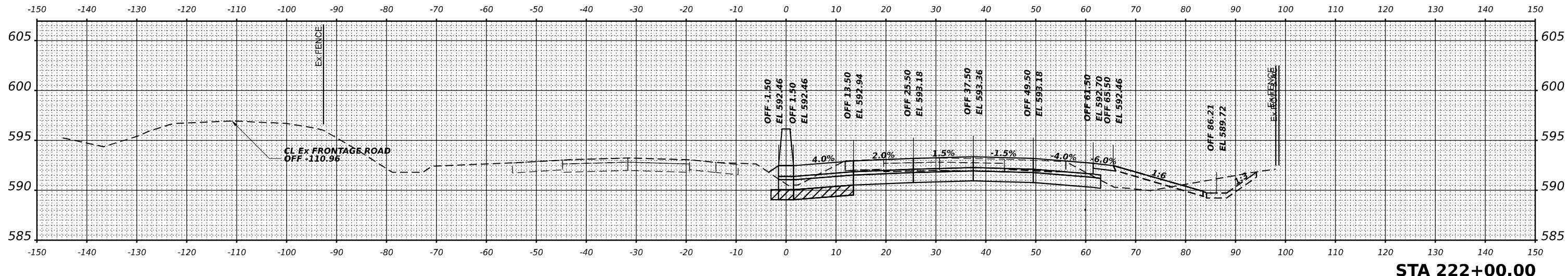
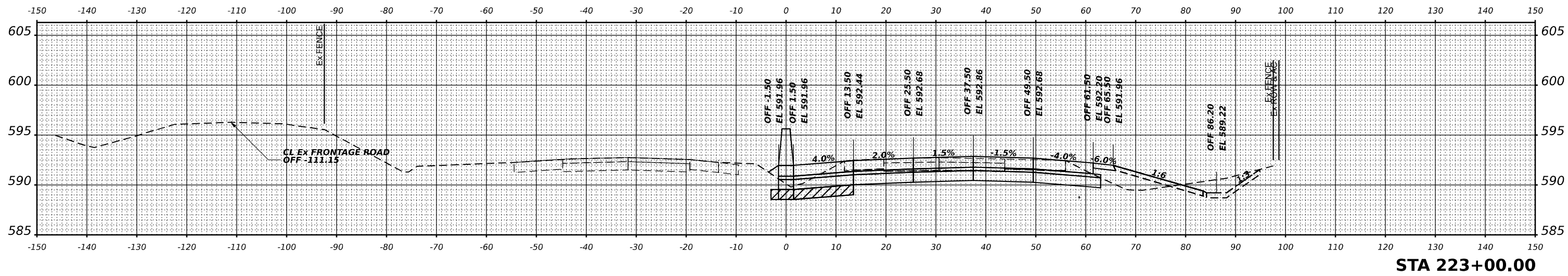
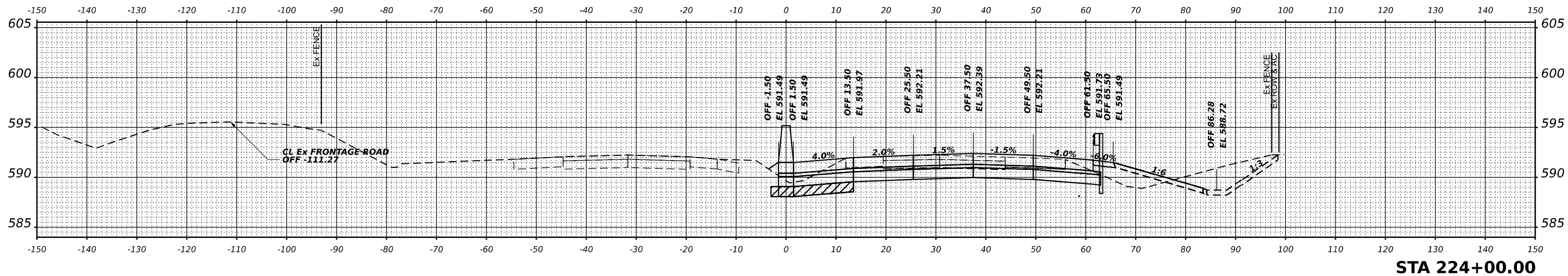
CROSS SECTIONS				
STAGE 1				
SCALE:	SHEET	OF	SHEETS	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	385
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: I-80 P-CL Phase 1 - 222+00.00-1
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USER NAME = dbook
 PLOT SCALE = 0.16666633 1/16"
 PLOT DATE = 3/16/2023

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 STAGE 1

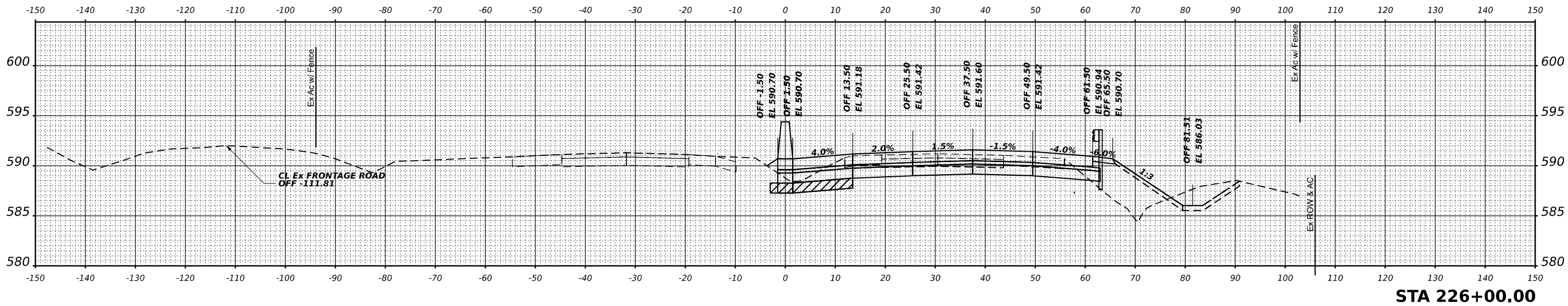
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	386
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

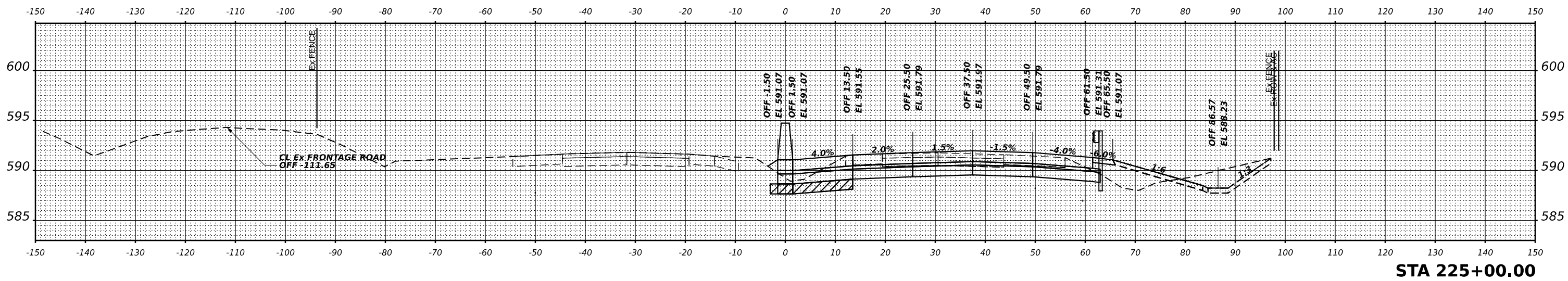
FINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL SURVEY NO.	DATE
SURVEYED	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

MODEL: I-80 P-CL Phase 1 - 225+00.00-1
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STA 226+00.00



STA 225+00.00



USER NAME	= dbook
PLOT SCALE	= 0.16666633 1/ in.
PLOT DATE	= 3/16/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

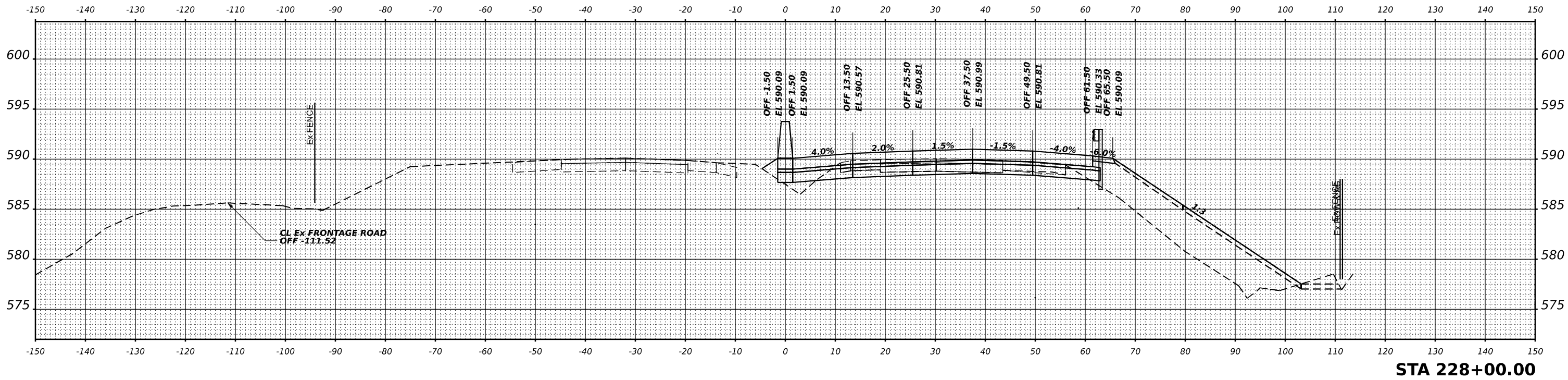
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
STAGE 1**

SCALE: SHEET OF SHEETS STA.

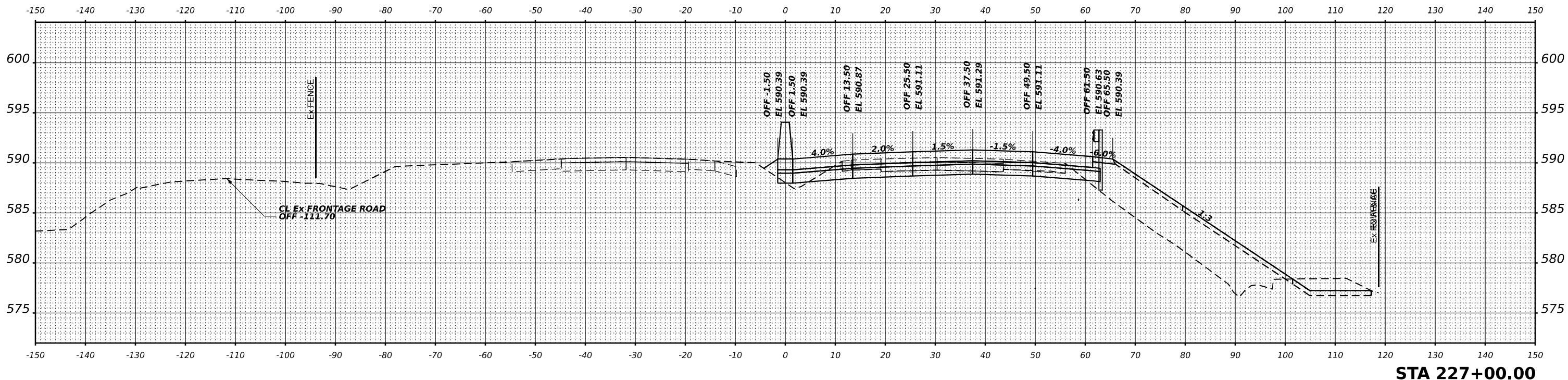
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	387
				CONTRACT NO. 62P71
				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



STA 228+00.00

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



STA 227+00.00

MODEL I-80 P-CL Phase 1 - 227+00.00-1
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USER NAME	= dbook
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REVISION	-
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CHECKED	-
REVISION	-
PLLOT DATE	= 3/16/2023
DATE	-
REVISION	-

DESIGNED	-
DRAWN	-
REVISION	-
CHECKED	-
REVISION	-
DATE	-
REVISION	-

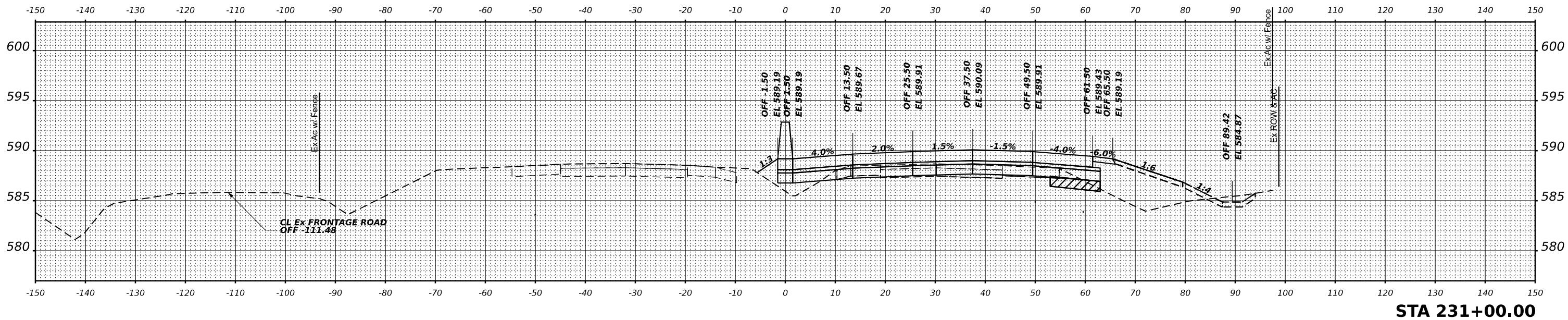
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 STAGE 1**

SCALE: SHEET OF SHEETS STA.

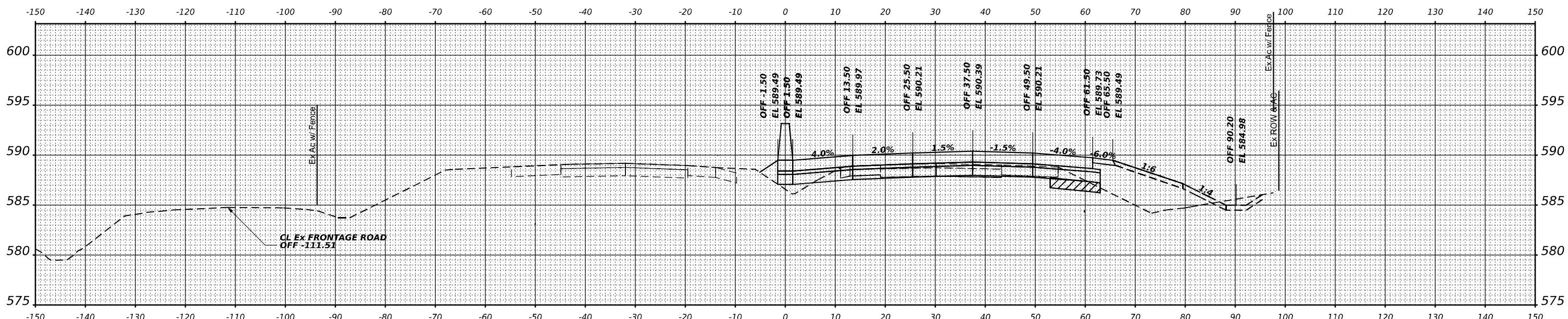
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	388
			CONTRACT NO. 62P71	
ILLINOIS		FED. AID PROJECT		

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



STA 231+00.00

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



STA 230+00.00

MODEL I-80 P-CL Phase 1 - 230+00.00-1
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USER NAME	= dbook
PLOT SCALE	= 0.16666633 1/ in.
PLOT DATE	= 3/16/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 STAGE 1**

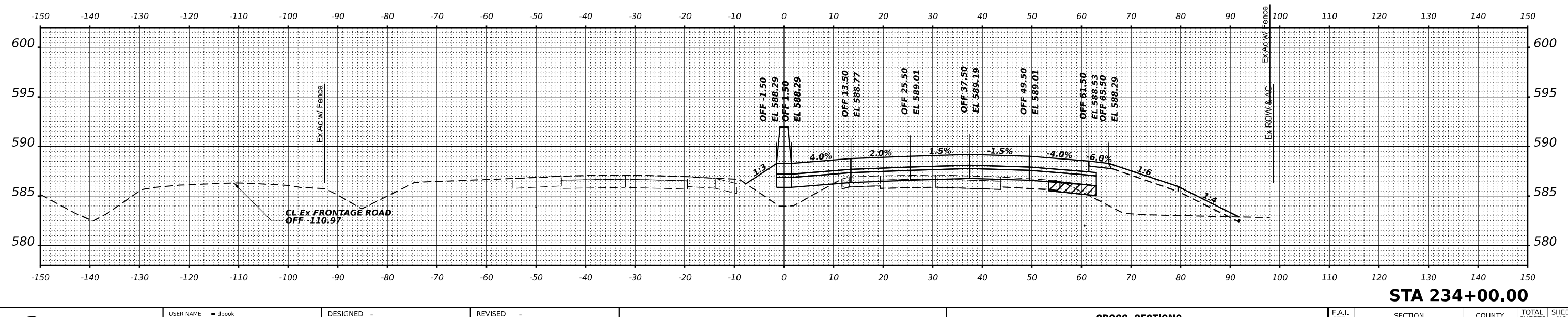
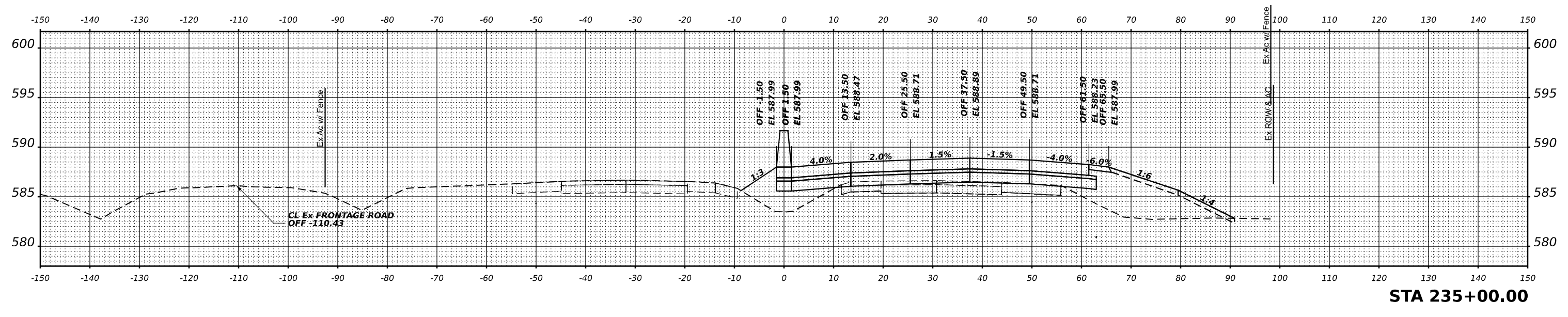
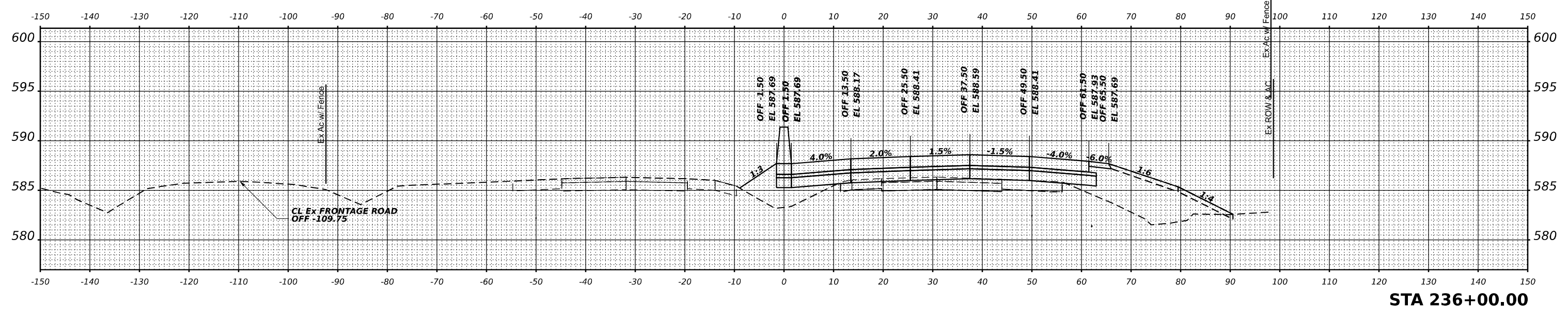
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	390
				CONTRACT NO. 62P71
				ILLINOIS FED. AID PROJECT

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

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

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USER NAME = dbook	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/16"	DRAWN -	REVISED -
PLOT DATE = 3/16/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

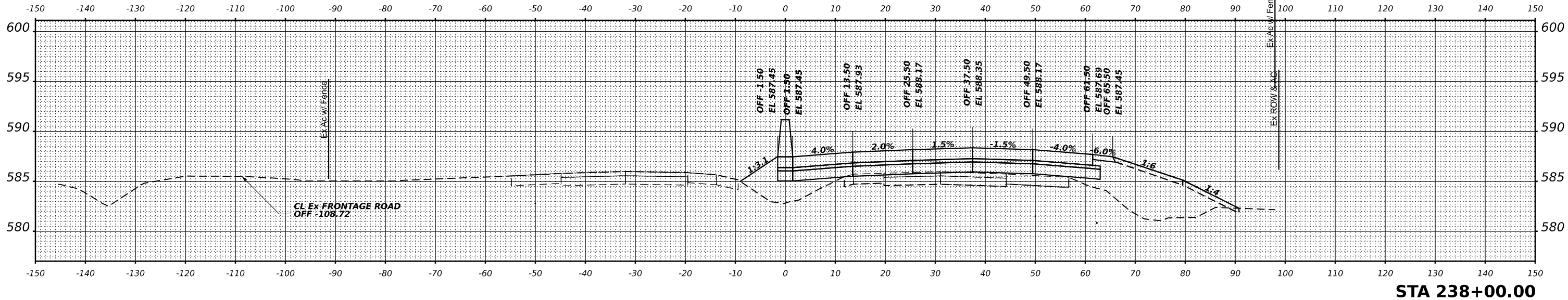
CROSS SECTIONS STAGE 1				
SCALE:	SHEET	OF	SHEETS	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	392
				CONTRACT NO. 62P71
ILLINOIS FED. AID PROJECT				

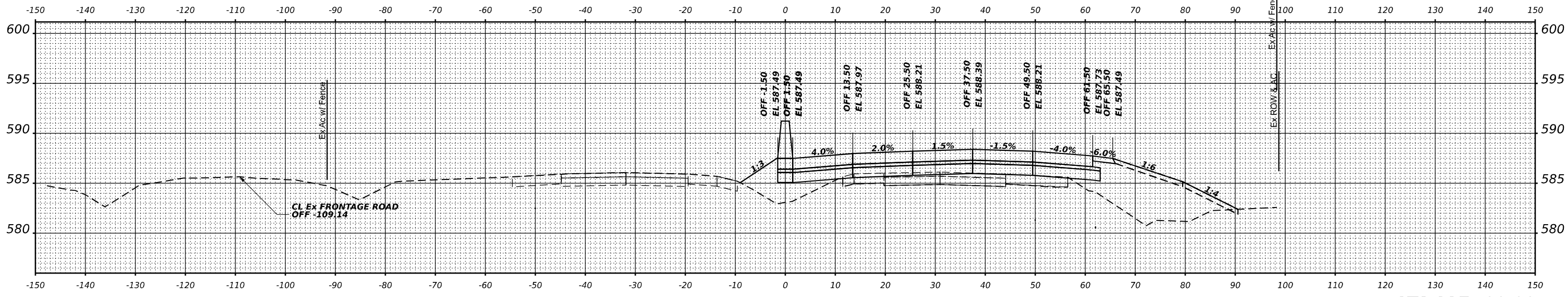
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NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

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

MODEL I-80 P-Cross Section 1 - 237+00.00-1
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STA 238+00.00



STA 237+00.00



USER NAME	= dbook
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PLOT DATE	= 3/16/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
STAGE 1**

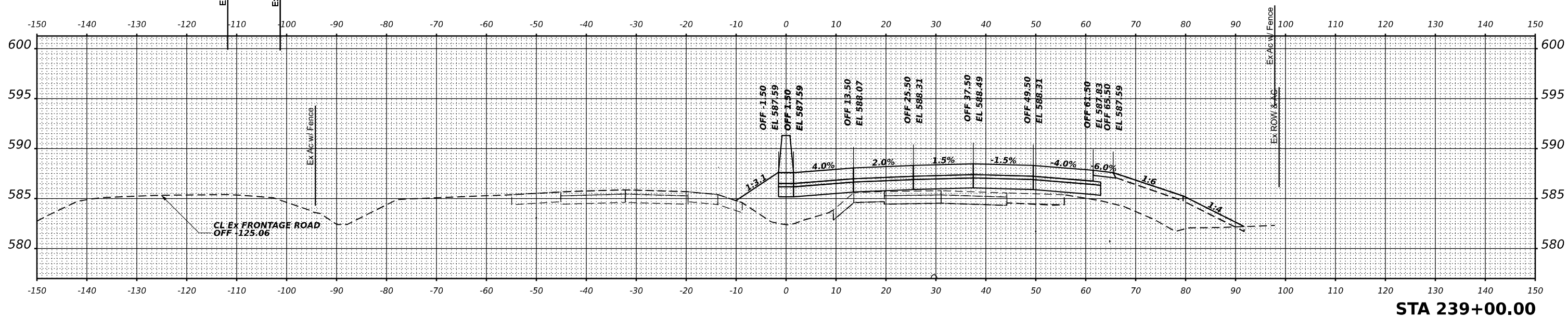
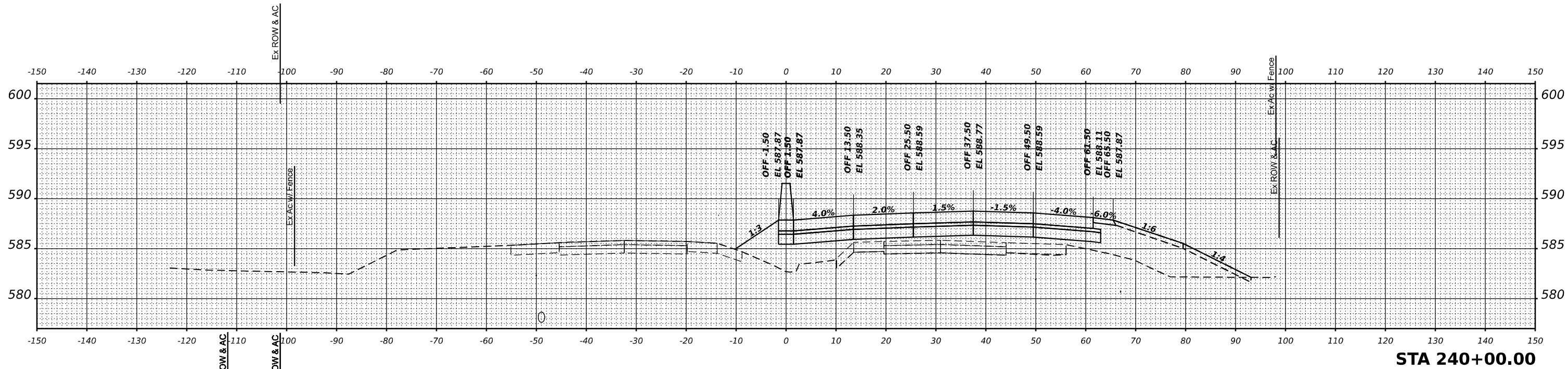
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	393
				CONTRACT NO. 62P71
ILLINOIS FED. AID PROJECT				

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

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

MODEL I-80 P-CL Phase 1 - 239+00.00-1
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	DRAWN -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
STAGE 1**

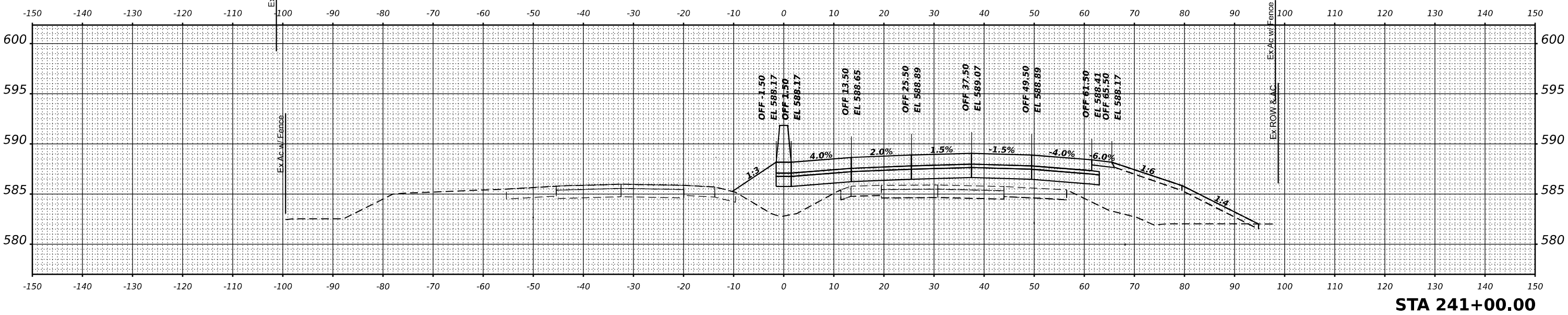
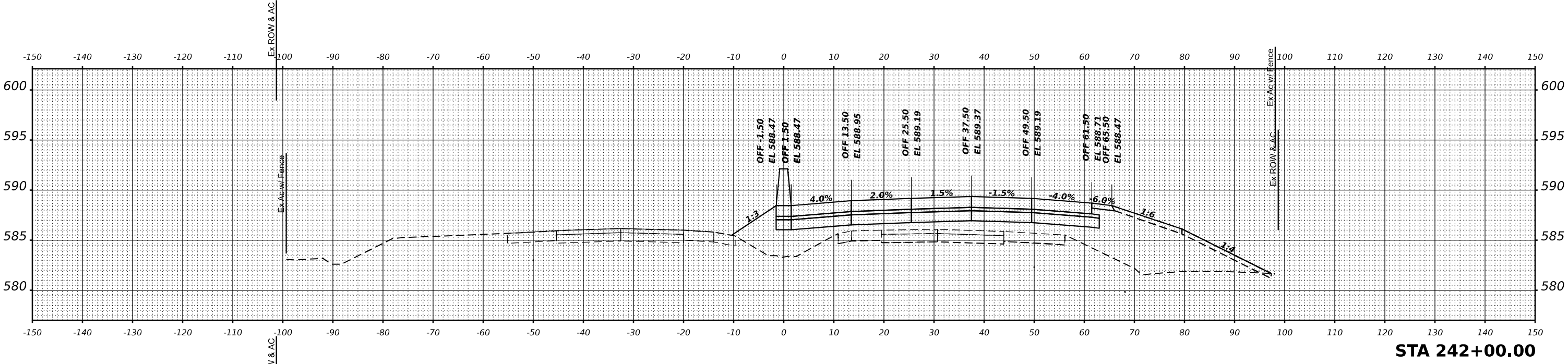
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	394
CONTRACT NO. 62P71				
ILLINOIS FED. AID PROJECT				

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

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

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PLOT DATE	= 3/16/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
STAGE 1**

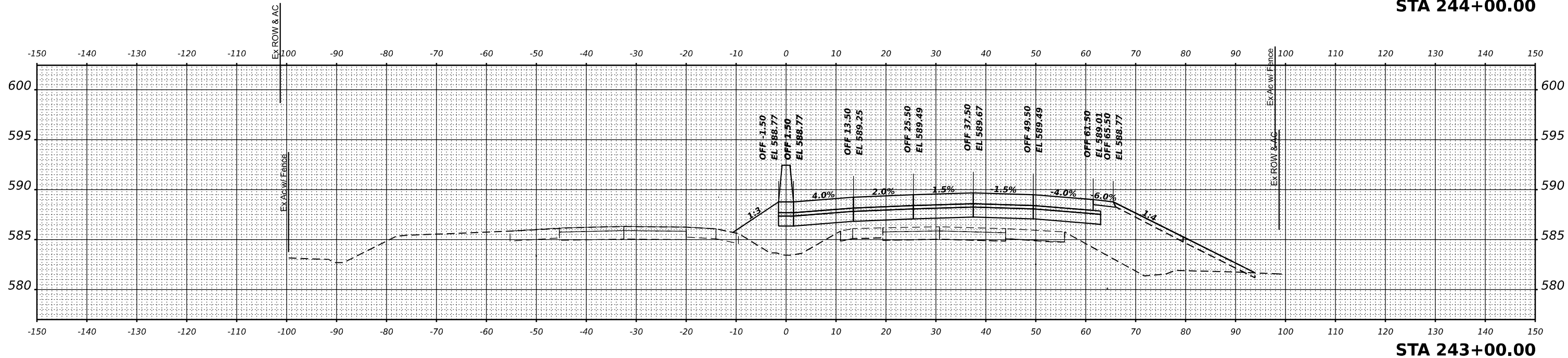
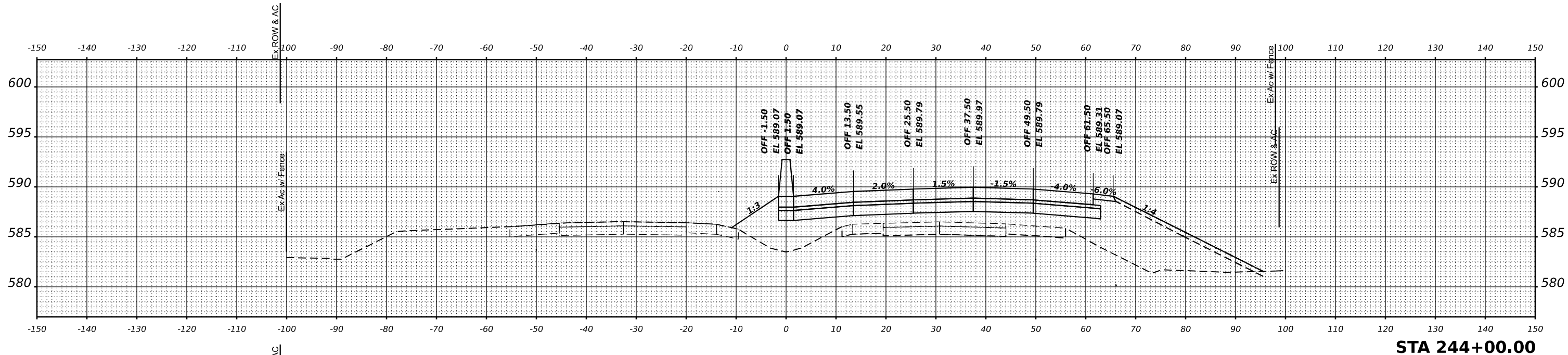
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	395
				CONTRACT NO. 62P71
ILLINOIS FED. AID PROJECT				

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

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

MODEL I-80 P-CL Phase 1 - 243+00.00-1
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PLOT SCALE = 0.16666633 1/ in.	DRAWN -	REVISED -
PLOT DATE = 3/16/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
STAGE 1**

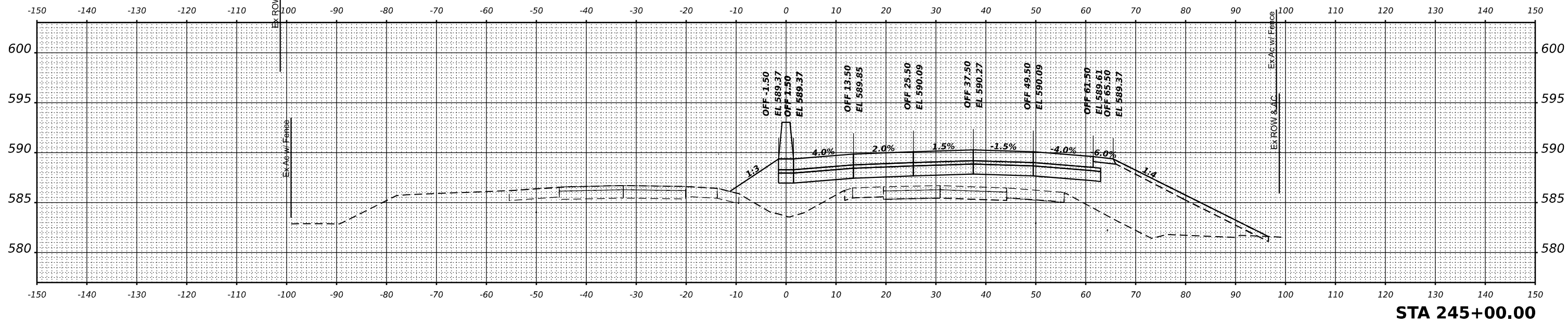
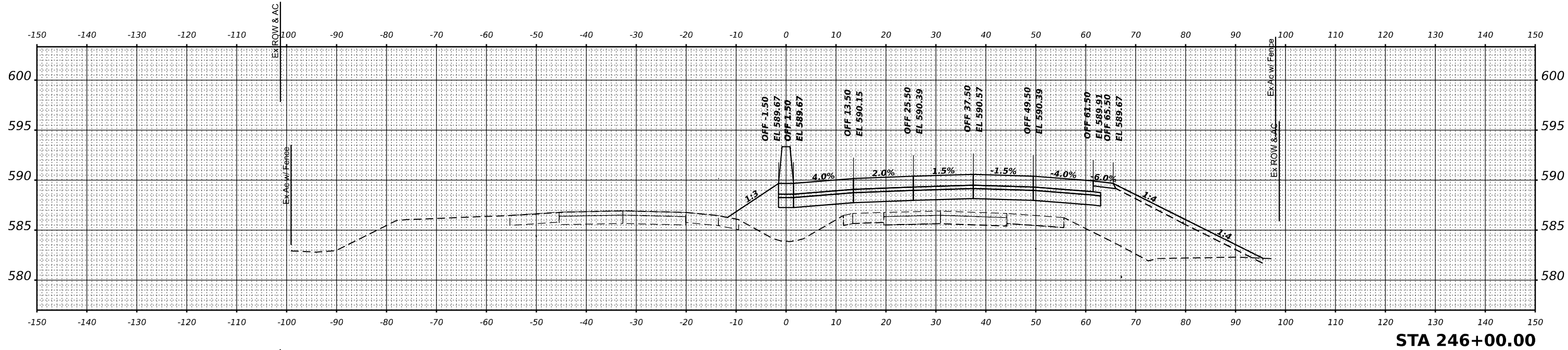
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	396
CONTRACT NO. 62P71			ILLINOIS FED. AID PROJECT	

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

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

MODEL: I-80 P-CL Phase 1 - 245+00.00-1
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PLOT DATE	= 3/16/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
STAGE 1**

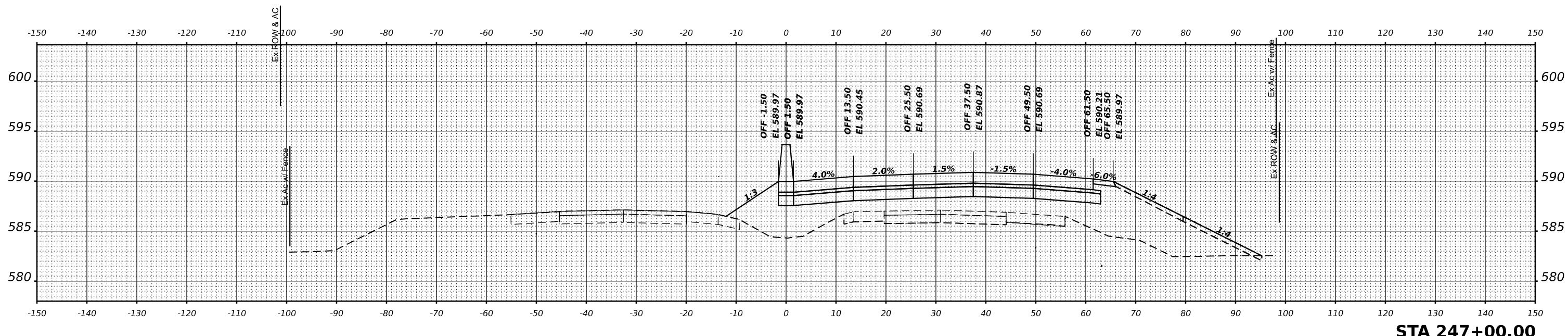
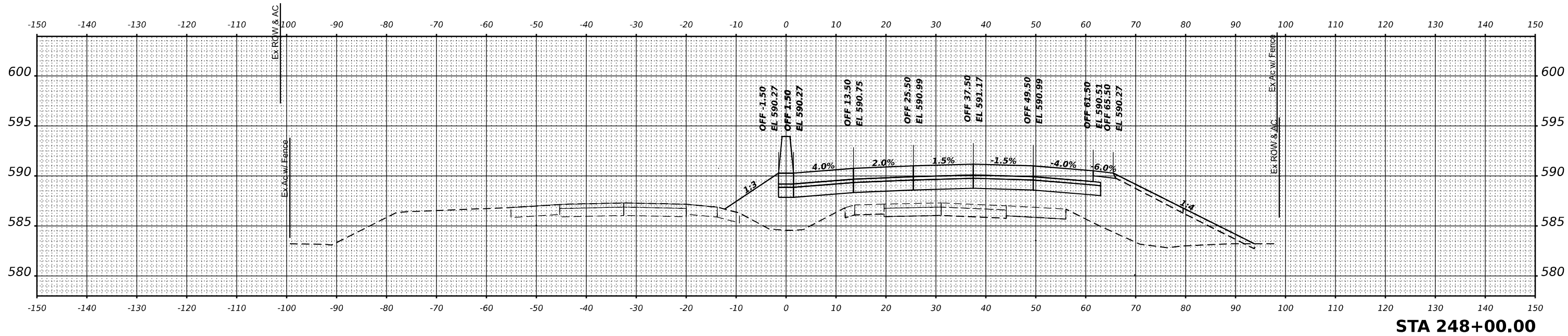
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	397
			CONTRACT NO. 62P71	
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: I-80 P-CL Phase 1 - 247+00.00-1
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USER NAME	= dbook
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PLOT DATE	= 3/16/2023

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
STAGE 1**

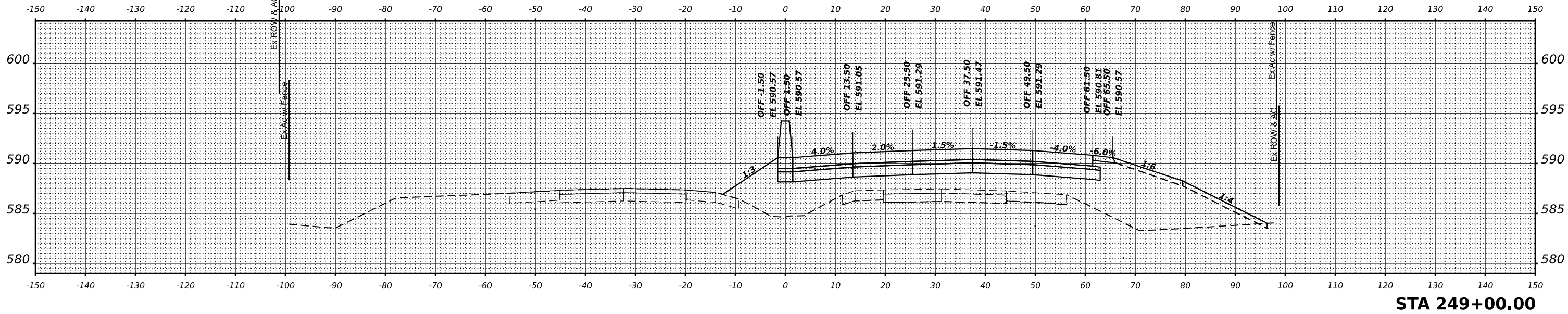
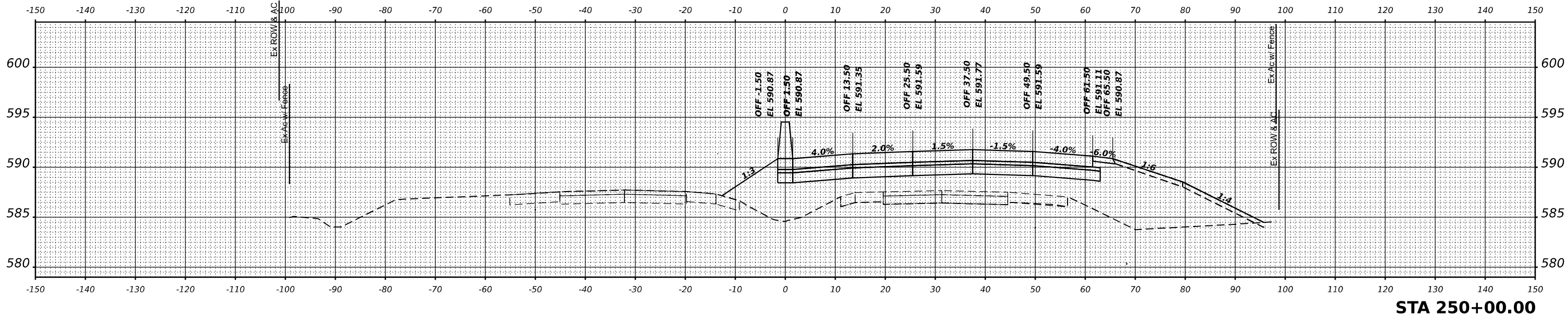
SCALE: SHEET OF SHEETS STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	398
CONTRACT NO. 62P71			ILLINOIS FED. AID PROJECT	

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

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

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USER NAME = dbook
 PLOT SCALE = 0.16666633 1/ in.
 PLOT DATE = 3/16/2023

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 STAGE 1**

SCALE: SHEET OF SHEETS STA.

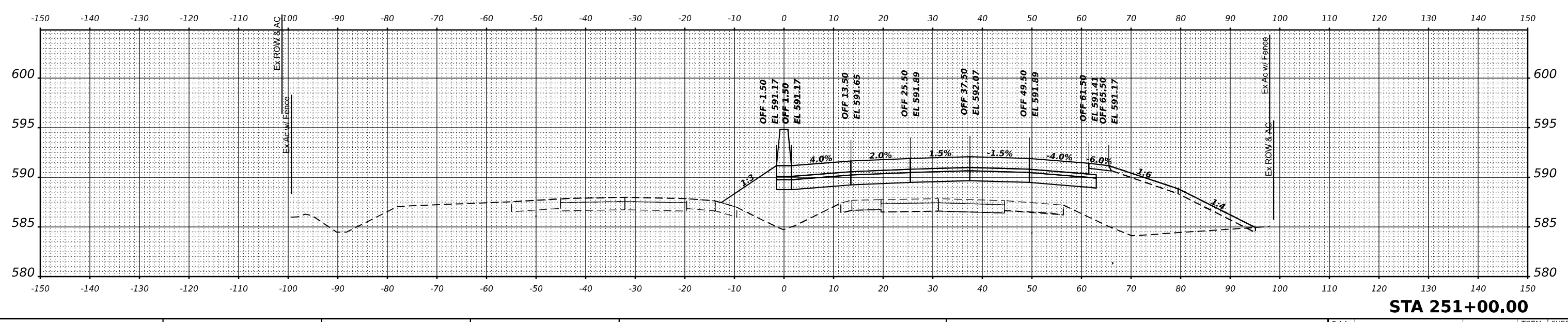
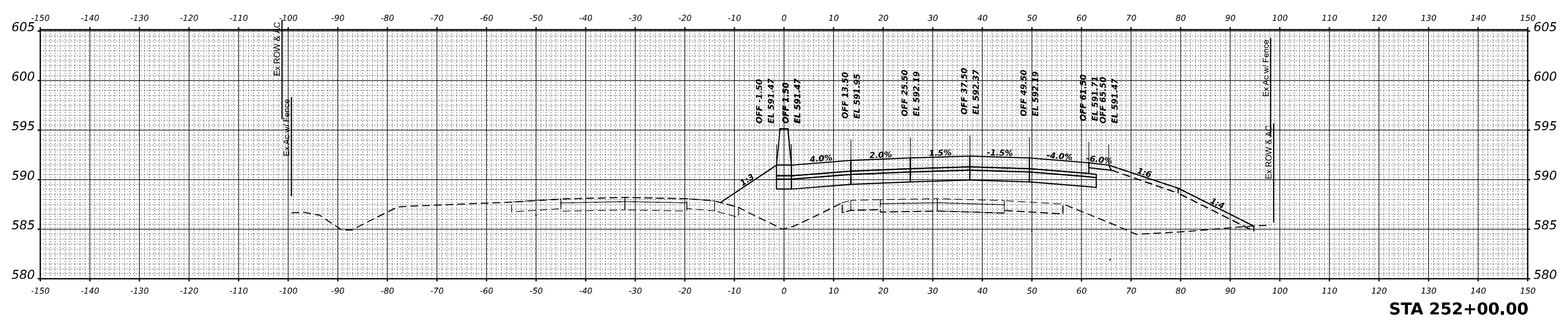
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	399
CONTRACT NO. 62P71				

ILLINOIS FED. AID PROJECT

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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USER NAME	= dbook
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PLOT DATE	= 3/16/2023

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS STAGE 1			
SCALE:	SHEET	OF	SHEETS
			STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-80	2021-154-R	WILL	477	400
				CONTRACT NO. 62P71
				ILLINOIS FED. AID PROJECT