

03-05-2021 LETTING ITEM 123

CONTRACT NO. 95888

INDEX OF SHEETS

1. COVER SHEET
2. SUMMARY OF QUANTITIES, TYPICAL SECTIONS, AND GENERAL NOTES
3. PLAN AND PROFILE OF ROADWAY
4. GENERAL PLAN AND ELEVATION
- 5.-6. PRECAST PRESTRESSED CONCRETE DECK BEAM DETAILS
7. STEEL RAILING, TYPE S1 DETAILS
8. ABUTMENT DETAILS
9. HP PILE DETAILS
- 10.-12. CROSS SECTIONS OF ROADWAY

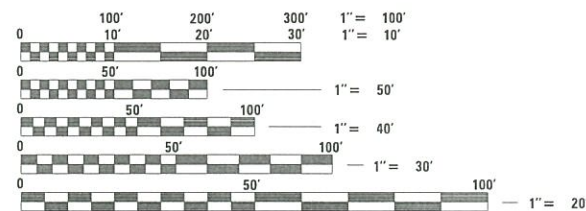
HIGHWAY STANDARDS (SEE SPECIFICATIONS)

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 515001-04 NAME PLATE FOR BRIDGES
- 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 701901-08 TRAFFIC CONTROL DEVICES
- 725001-01 OBJECT AND TERMINAL MARKERS
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- BLR 24-2 MAILBOX TURNOUT FOR LOCAL ROADS
- BLR 27-1 TRAFFIC BARRIER TERMINAL TYPE 5A

SOIL BORINGS (SEE SPECIFICATIONS)

DESIGN CLASSIFICATION: RURAL LOCAL ROAD
ADT₂₀₁₇ : 75

DESIGN SPEED: 30 MPH



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS
1-800-892-0123 or 811 Website: <http://www.illinois1call.com>

GONZALEZ COMPANIES, LLC
7 CARPENTER DRIVE
SALEM, IL 62881
PHONE (618) 222-2221
www.gonzalezcoos.com
ILLINOIS PROFESSIONAL DESIGN FIRM 184.004564

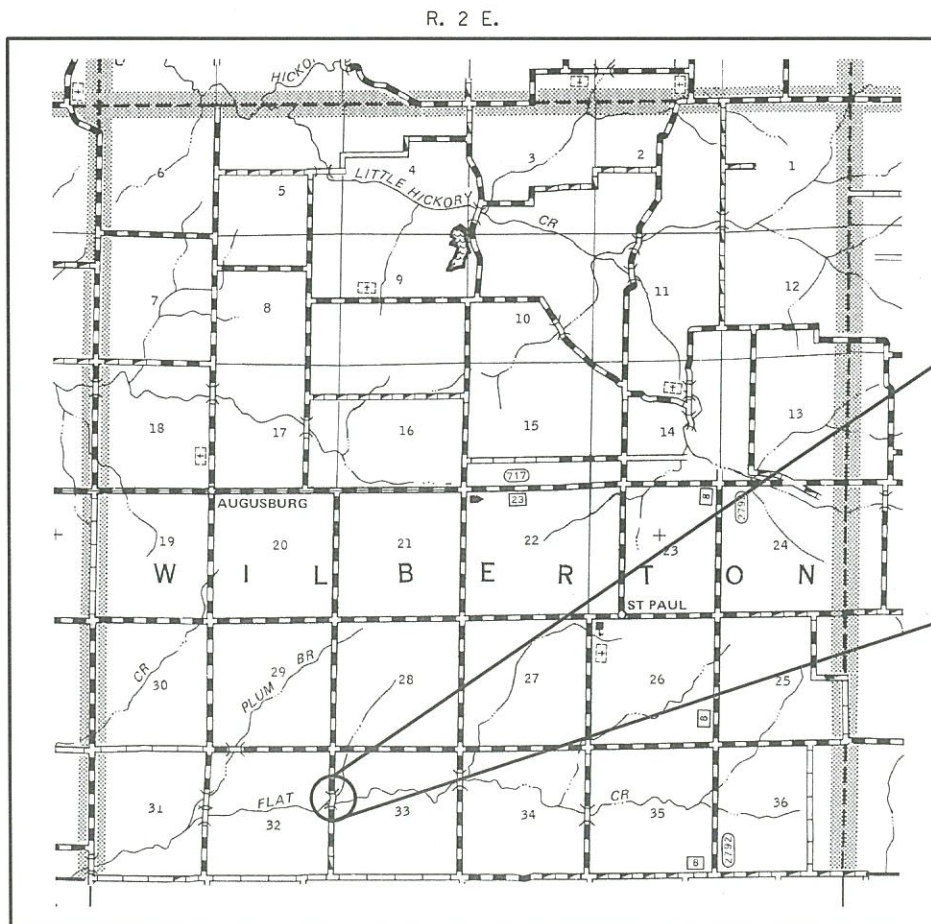
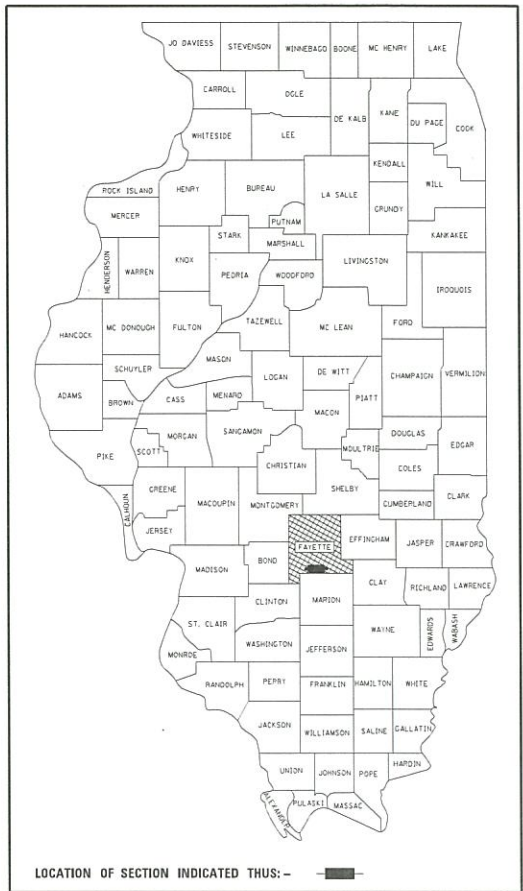


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
STP OFF-SYSTEM BRIDGE

TR 312 OVER FLAT CREEK
SECTION 17-20129-00-BR
PROJECT NO. 1KIJ(037)
WILBERTON ROAD DISTRICT
FAYETTE COUNTY
JOB NO. C-97-056-19

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 312	17-20129-00-BR	FAYETTE	12	1
CONTRACT NO. 95888 CCL JOB NO. 20-622				



SECTION ENDS STA. 25+90.00

SECTION 17-20129-00-BR INCLUDES THE CONSTRUCTION OF A SINGLE SPAN PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE CARRYING TR 312 OVER FLAT CREEK, 80'-0" BK. TO BK. ABUTMENTS X 24' WIDE, NO SKEW. EXISTING STRUCTURE NO. 026-3144 PROPOSED STRUCTURE NO. 026-3475

SECTION BEGINS STA. 16+50.00

LOCATION: NEAR THE SW CORNER, NW 1/4, SECTION 33, T5N, R2E, 3rd P.M.
GROSS LENGTH OF PROJECT: 940.00 FT. = 0.178 MI.
NET LENGTH OF PROJECT: 940.00 FT. = 0.178 MI.
NOT TO SCALE

FAYETTE COUNTY HIGHWAY DEPARTMENT

APPROVED 12-15-2020
[Signature]
FAYETTE COUNTY, COUNTY ENGINEER

PASSED 12-28-20
[Signature]
DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS

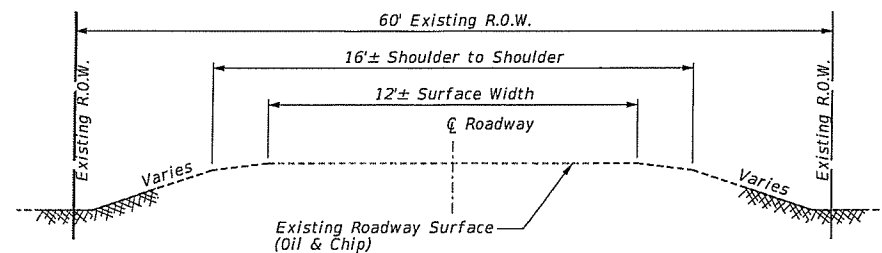
RELEASING FOR BID BASED ON LIMITED REVIEW 12-28-20
[Signature]
REGION FOUR ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

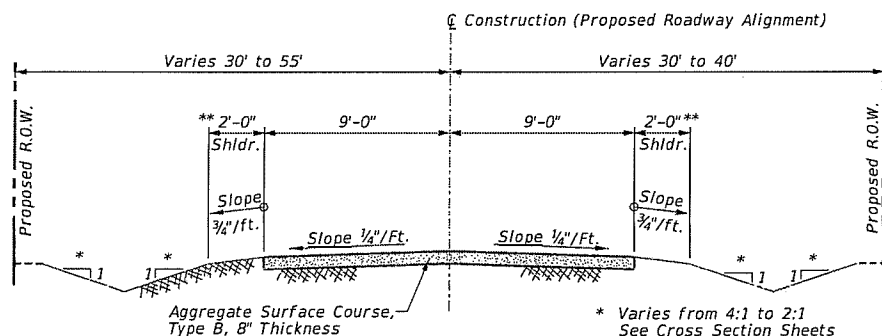


Brent L. Taylor 12/15/2020
BRENT L. TAYLOR
SALEM, ILLINOIS
ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 062-066114
EXPIRES NOV. 30, 2021

12/15/2020



**TYPICAL SECTION
EXISTING APPROACH ROADWAY**



**TYPICAL SECTION
PROPOSED APPROACH ROADWAY**

Sta. 16+50.00 to 19+60.00
Sta. 20+40.00 to 25+90.00
Surface Width Varies in Transitions

UTILITIES

- J.U.L.I.E.: Design Phase Locate
Dig No.: X0220932-00X
01/22/2020
- Water: Fayette Water Company
Attn: Denny Vaughn
2371 E 1350 St
Brownstown, IL 62418
Phone: 618-347-2430
- Telephone: Fairpoint Communications
Attn: Wes Chambers
Phone: 217-235-3355
- Electric: Southwestern Electric Co-Op
Attn: Natalie Goestenkors
525 U.S. Route 40
Greenville, IL 62246
Phone: 618-664-5901, 800-637-8667x5933
- Pipeline: Marathon Pipeline - Vernon
Attn: Brad Stahl
Phone: 419-629-2892
- Pipeline: Enbridge (U.S.) Inc.
Attn: Ben Johnson
Phone: 918-285-1948

GENERAL NOTES

- This section shall be constructed according to the plans, the Special Provisions, and the "Standard Specifications for Road and Bridge Construction", adopted April 1, 2016.
- Roadway Centerline profiles refer to the finished surface.
- Existing utilities shown are located from surface observations or information provided by the respective utilities and must be considered approximate. There may be others, the exact location of which are unknown and not shown. The Contractor will be responsible for notifying the respective utilities before work is begun. Field marking of underground utilities may be obtained by providing a minimum of 48 hours advance notice through the J.U.L.I.E. system by calling 1-800-892-0123, 811, or by direct contact with non-members of J.U.L.I.E.
- Factors used for quantity calculations are as follows:
Porous Granular Embankment 2.1 tons/cu. yd.
Stone Dumped Riprap 130 pounds/cu. ft.
Aggregate Surface Course 2.1 tons/cu. yd.
- Commitments: The County Engineer will perform a final inspection of the bridge for bats prior to construction.

No tree clearing will be allowed or performed from April 1 through September 30 as part of the effort to conserve the Indiana and Northern Long-Eared bat.

The County Engineer will notify public service providers prior to the start of construction.

Existing Fence Removal / Replacement within the Limits of Construction will be done By Others and will be Coordinated by the Township. The removal will be completed Prior to the Start of Construction.

SUMMARY OF QUANTITIES

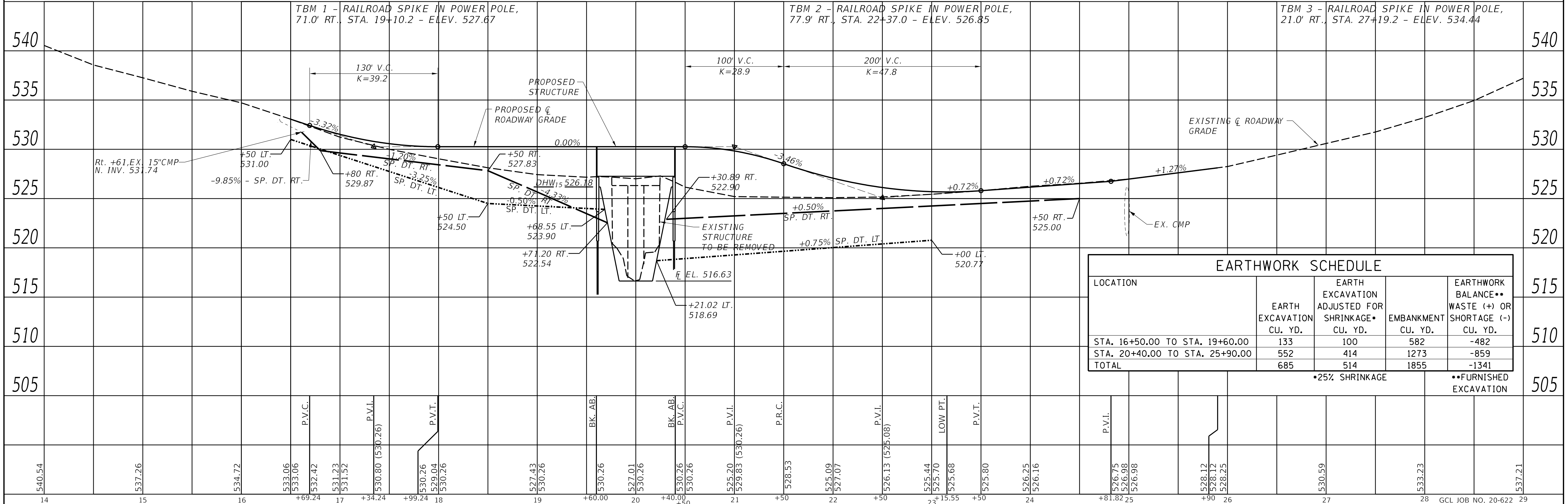
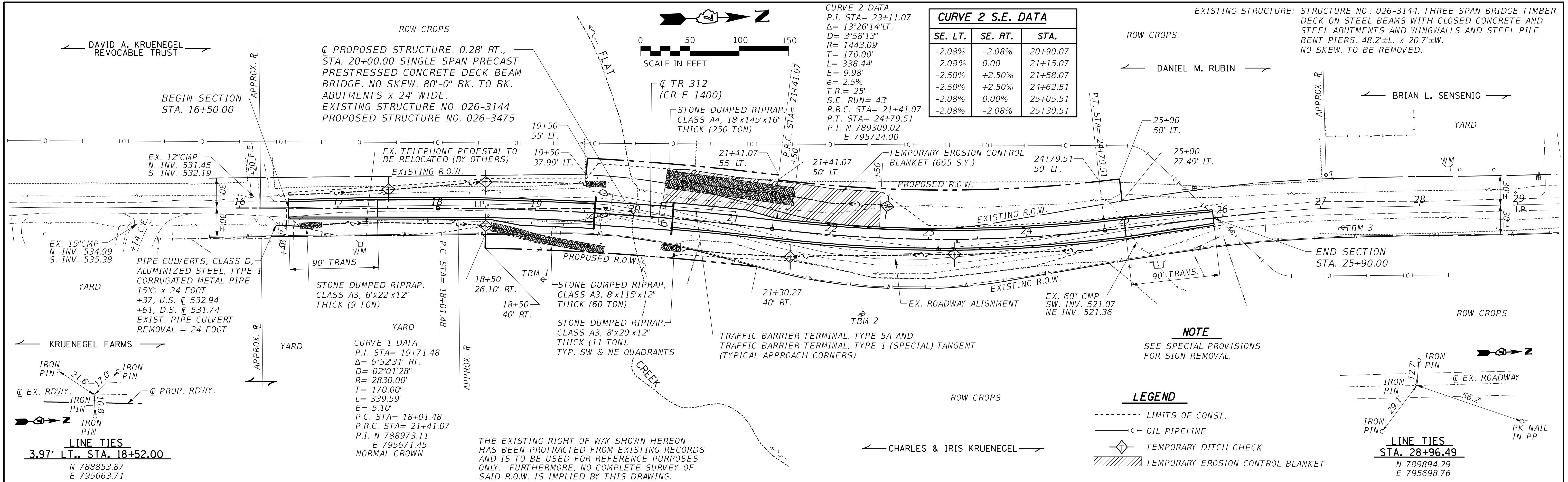
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	685
20300100	CHANNEL EXCAVATION	CU YD	396
20400800	FURNISHED EXCAVATION	CU YD	1341
20700110	POROUS GRANULAR EMBANKMENT	TON	108
28000305	TEMPORARY DITCH CHECKS	FOOT	60
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	665
28100805	STONE DUMPED RIPRAP, CLASS A3	TON	91
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	445
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	775
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	24
50300225	CONCRETE STRUCTURES	CU YD	24.2
50300280	CONCRETE ENCASEMENT	CU YD	2.8
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	1888
50800105	REINFORCEMENT BARS	POUND	3940
50900205	STEEL RAILING, TYPE S1	FOOT	160
51201600	FURNISHING STEEL PILES HP12x53	FOOT	431
51202305	DRIVING PILES	FOOT	431
51203600	TEST PILE STEEL HP12x53	EACH	1
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	24
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
67100100	MOBILIZATION	LSUM	1
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.8

Δ SPECIALTY ITEMS

GCL JOB NO. 20-622

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
NO. _____	
NO. _____	
NO. _____	
NO. _____	

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATION CHECKED	
NO. _____	
NO. _____	
NO. _____	
NO. _____	



TBM 1 - RR spike in power pole,
71.0' Rt. of Sta. 19+10.2 - Elev. 527.67

TBM 2 - RR spike in power pole,
77.9' Rt. of Sta. 22+37.0 - Elev. 526.85

Existing Structure: Structure No.: 026-3144. Three span bridge with timber deck on steel beams with closed concrete and steel abutments and wingwalls and steel pile bent piers. 48.2'± L. x 20.7'± W. No skew. To be removed.

LOADING HL-93

50#/sq. ft. included in dead load for future wearing surface.

DESIGN SPECIFICATIONS

2017 (8th ED.) AASHTO LRFD Bridge Design Specifications.

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi

$f_y = 60,000$ psi (reinforcement)

PRECAST PRESTRESSED UNITS

$f'_c = 6,000$ psi

$f'_{ci} = 5,000$ psi

$f_{pu} = 270,000$ psi ($\frac{1}{2}$ " low lax. strands)

$f_{pbt} = 201,960$ psi ($\frac{1}{2}$ " low lax. strands)

$f_y = 60,000$ psi (reinforcement)

SEISMIC DATA

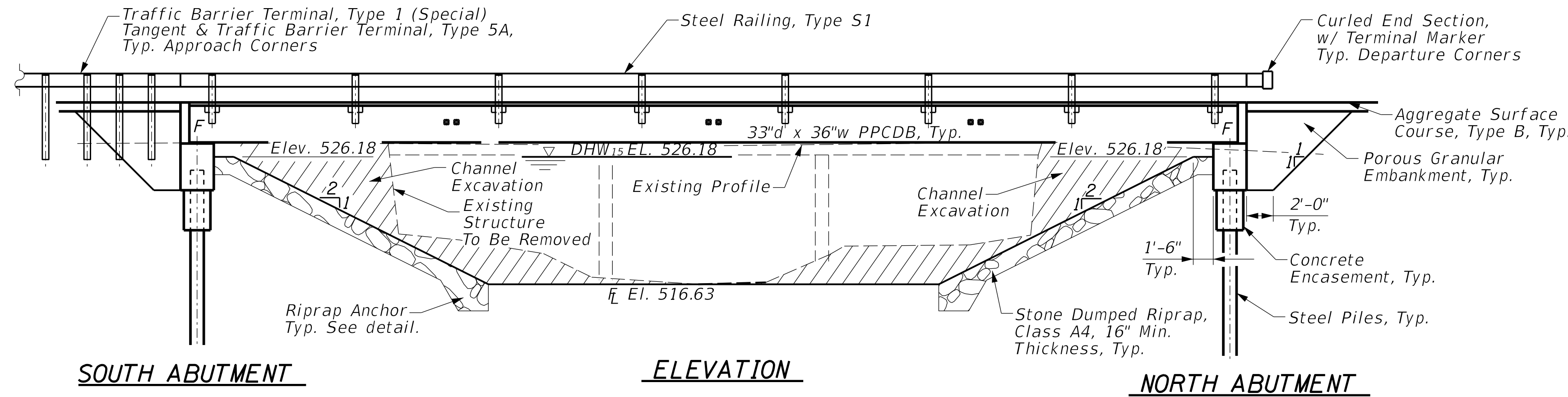
Seismic Performance Zone (SPZ) = 2

Soil Site Classification = D

$S_{D1} = 0.244$ $S_{D5} = 0.556$

BILL OF MATERIALS (BRIDGE ONLY)

ITEM	UNIT	TOTAL
Channel Excavation	Cu Yd	396
Porous Granular Embankment	Ton	108
Stone Dumped Riprap, Class A4	Ton	195
Removal of Existing Structures	Each	1
Concrete Structures	Cu Yd	24.2
Concrete Encasement	Cu Yd	2.8
PPCDB (33" Depth)	Sq Ft	1888
Reinforcement Bars	Pound	3940
Steel Railing, Type S1	Foot	160
Furnishing Steel Piles HP12x53	Foot	431
Driving Piles	Foot	431
Test Pile Steel HP12x53	Each	1
Name Plates	Each	1
Terminal Marker - Direct Applied	Each	4



Boring 1
35.5' Lt.,
Sta. 19+61.3

GENERAL NOTES

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

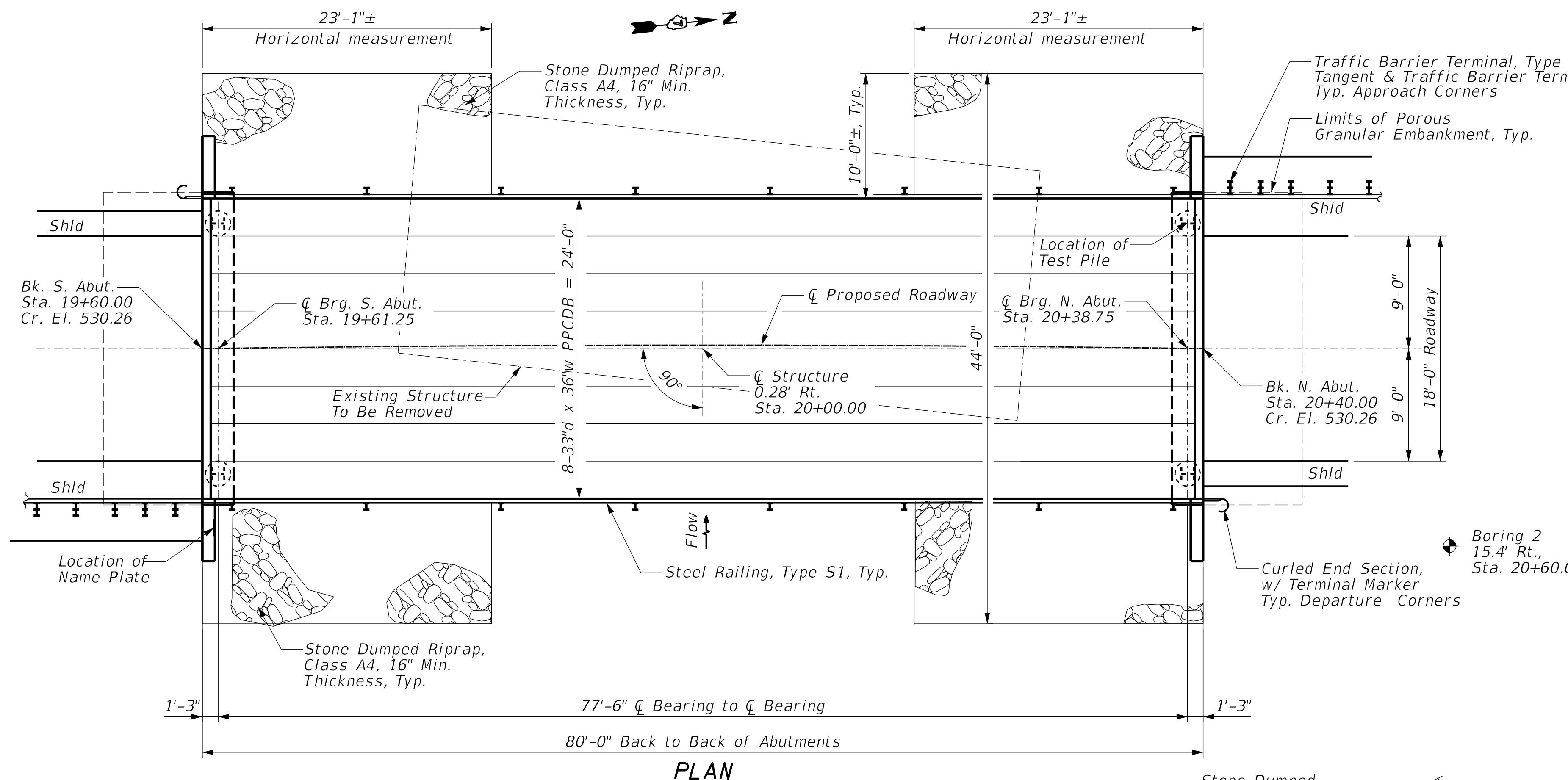
Channel excavation shall be excavated as shown within the limits of the proposed bridge, then tapered to the existing channel at 50' Lt., and 40' Rt. (From \bar{C}) of the Bridge. If the Engineer deems the material satisfactory, it may be used to construct the roadway embankment.

See Specifications for Soil Borings.

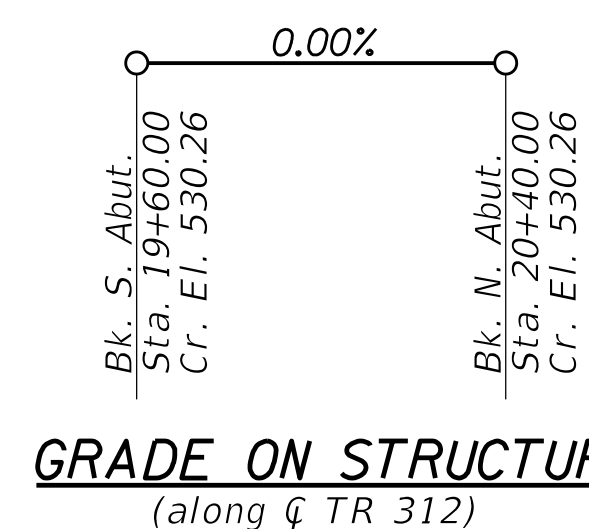
Do not scale these drawings.

Reinforcement bars designated (E) shall be epoxy coated.

The abutment bearing seat surfaces for the precast prestressed concrete deck beams shall be adjusted by shimming to assure firm and even bearing. As required, $\frac{1}{8}$ " fabric adjusting shims of the dimensions of the Exterior Bearing Pad shall be provided for each bearing. The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.



Boring 2
15.4' Rt.,
Sta. 20+60.0

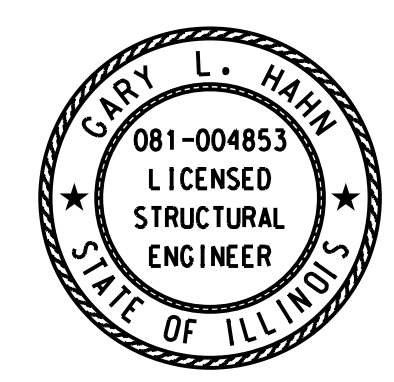


FLAT CREEK
BUILT 20__ BY
FAYETTE COUNTY
SEC. 17-20129-00-BR
TR 312 STA. 20+00.00
LOADING HL-93
STRUCTURE NO. 026-3475

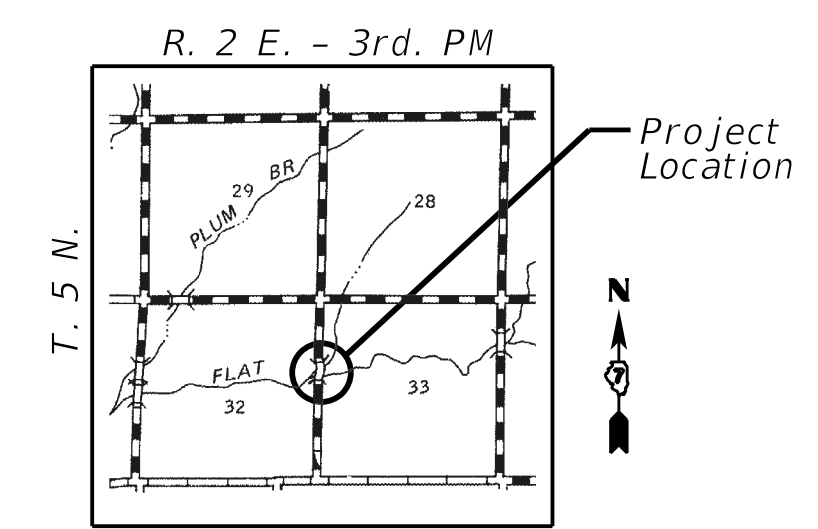
GRADE ON STRUCTURE
(along \bar{C} TR 312)

NAME PLATE
See Std. 515001

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



Gary L. Hahn
Salem, Illinois
Illinois Licensed Structural Engineer No. 081-004853
Expires Nov. 30, 2022

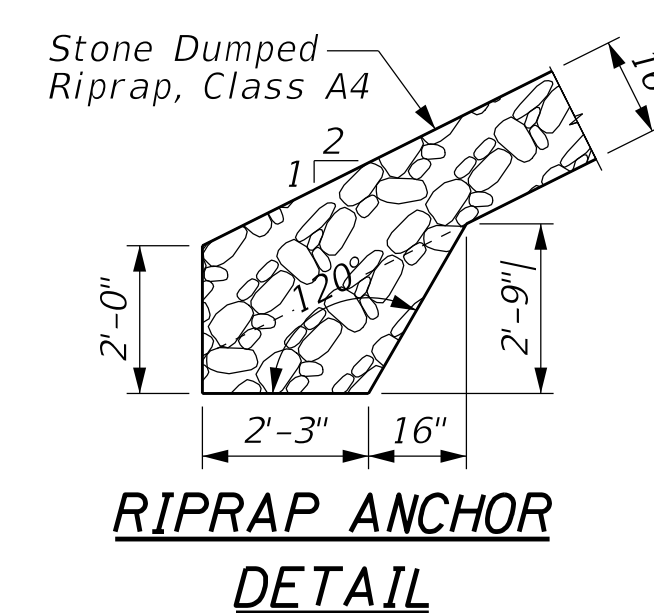


LOCATION SKETCH

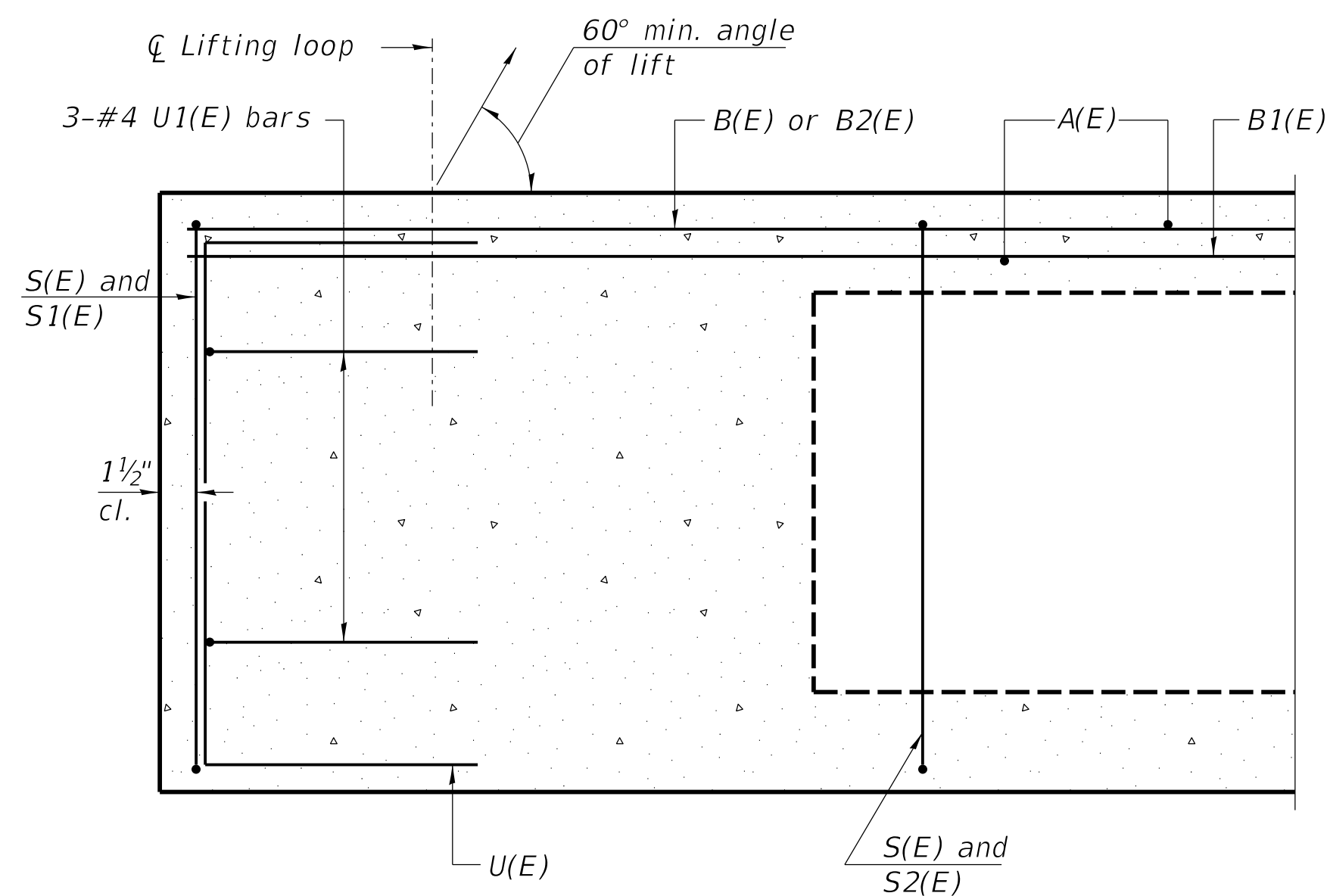
WATERWAY INFORMATION

Drainage Area = 7.15 sq. mi. Exist. Low Grade Elev. 525.09 @ Sta. 22+00.00
Prop. Low Grade Elev. 525.68 @ Sta. 23+15.55

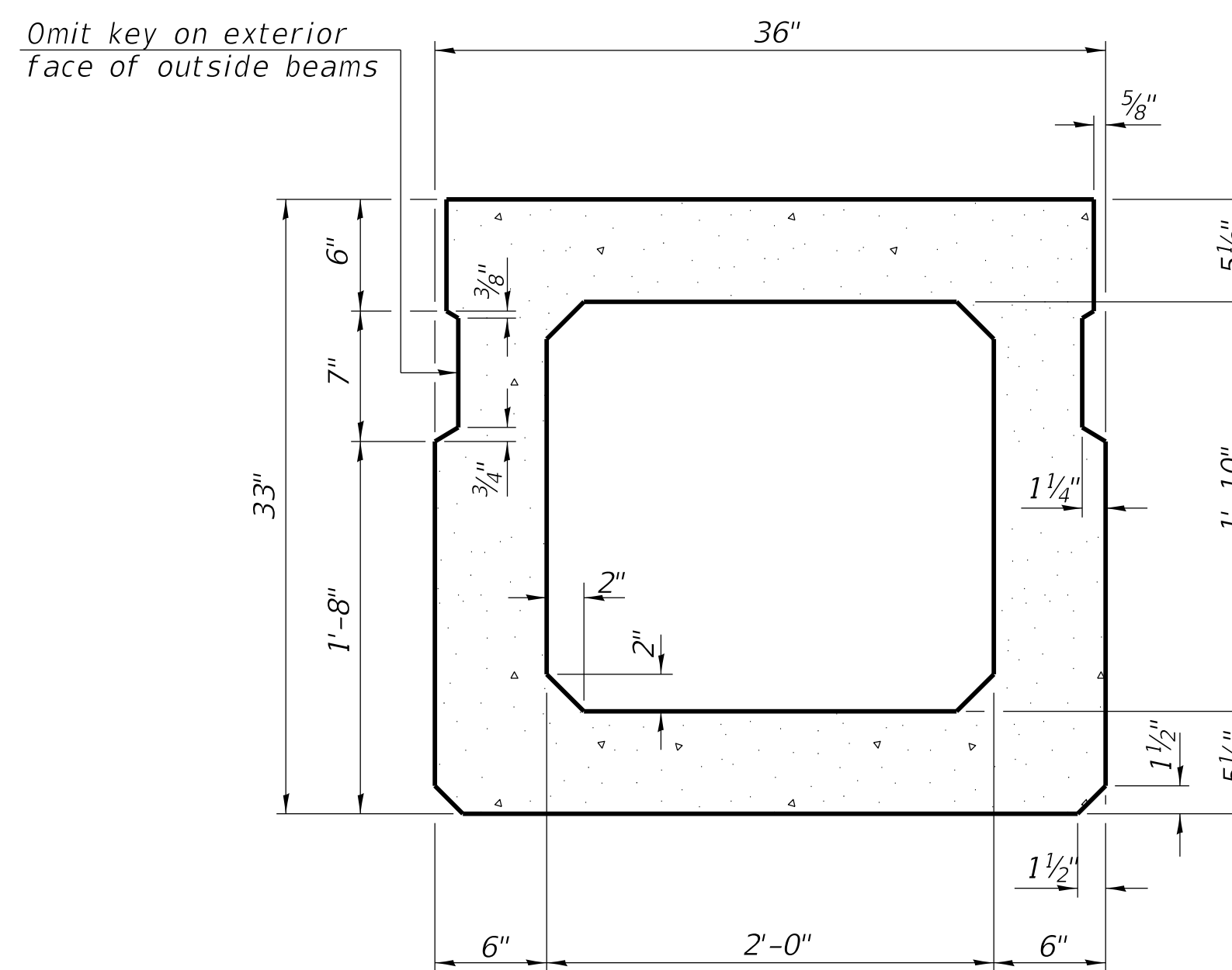
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	15	1730	364	505	526.18	0.25	0.22	526.43	526.40
Base	100	2800	371	582	527.20	0.19	0.34	527.39	527.54
Max. Calc.	500	3790	371	588	527.90	0.14	0.36	528.04	528.26



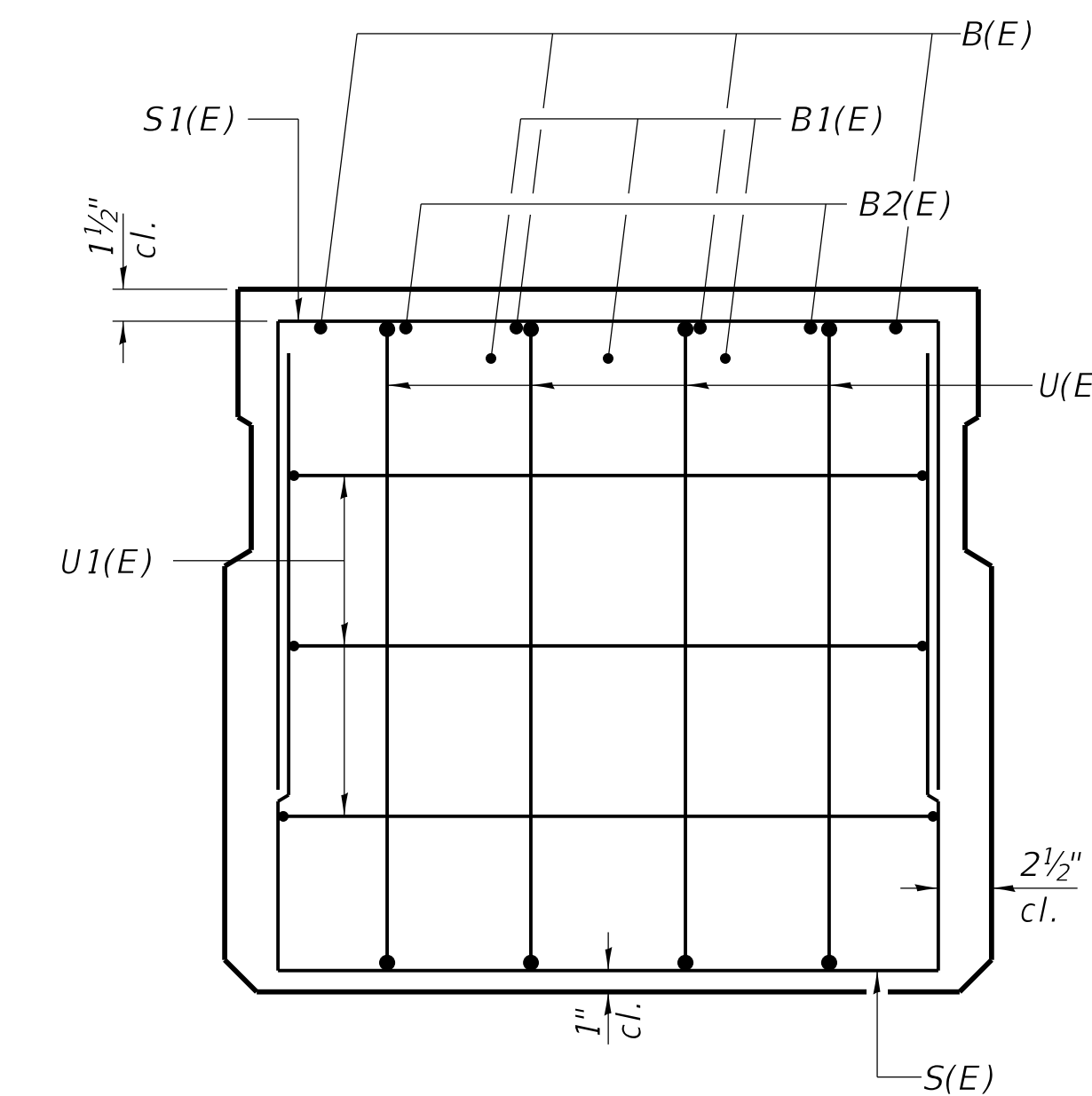
RIPRAP ANCHOR DETAIL



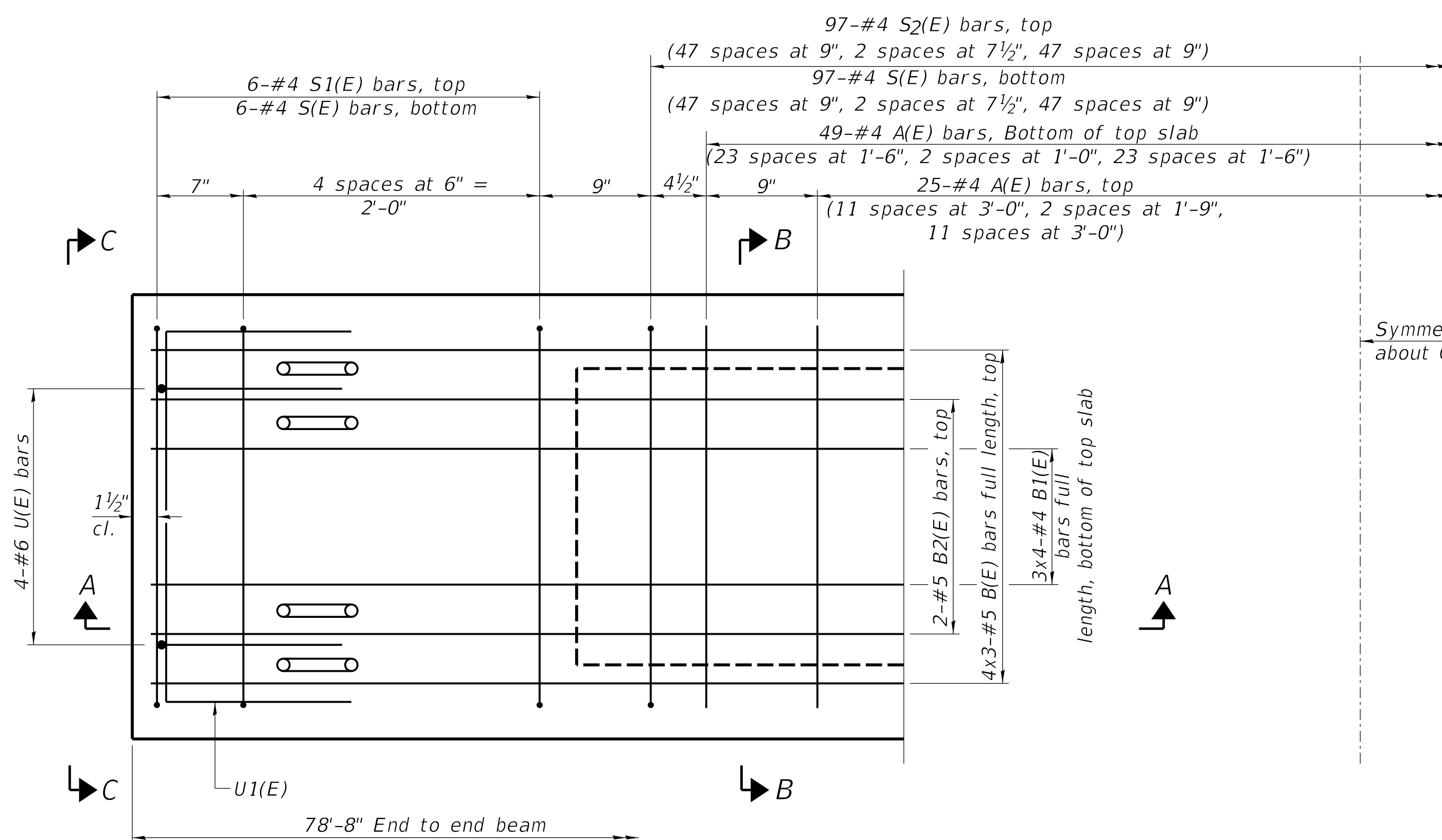
SECTION A-A



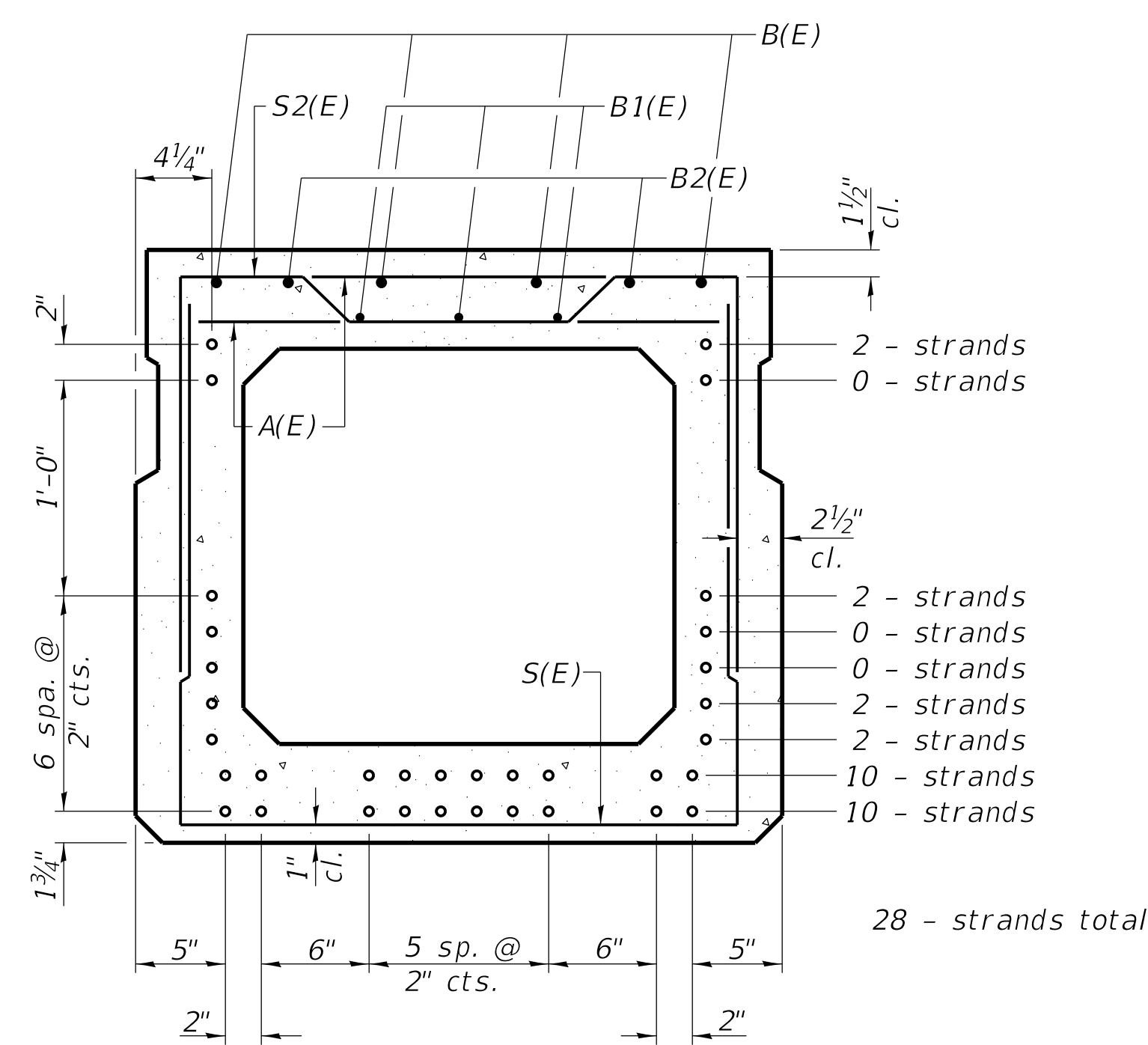
SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW



SECTION B-B
(Showing reinforcement and permissible strand locations)

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	74	#4	2'-7"	—
B(E)	12	#5	27'-10"	—
B1(E)	12	#4	21'-2"	—
B2(E)	4	#5	10'-0"	—
S(E)	109	#4	7'-8"	U
S1(E)	12	#4	6'-5"	U
S2(E)	97	#4	6'-8"	U
U(E)	8	#6	5'-0"	U
U1(E)	6	#4	5'-0"	U

Note: See sheet 6 for additional details and Bill of Material.

Notes:
Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

Bars indicated thus: 4x3-#5 etc. indicates 4 lines of bars with 3 lengths per line.

MINIMUM BAR LAP

#4 bar = 1'-11"
#5 bar = 2'-6"



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7 CARPENTER DRIVE
SALEM, IL 62881
PHONE (618) 222-2221
www.gonzalezcos.com
ILLINOIS PROFESSIONAL DESIGN FIRM 184.004564

DESIGNED - BLT
CHECKED - GLH
DRAWN - JN, JMW
DATE - 12/15/2020

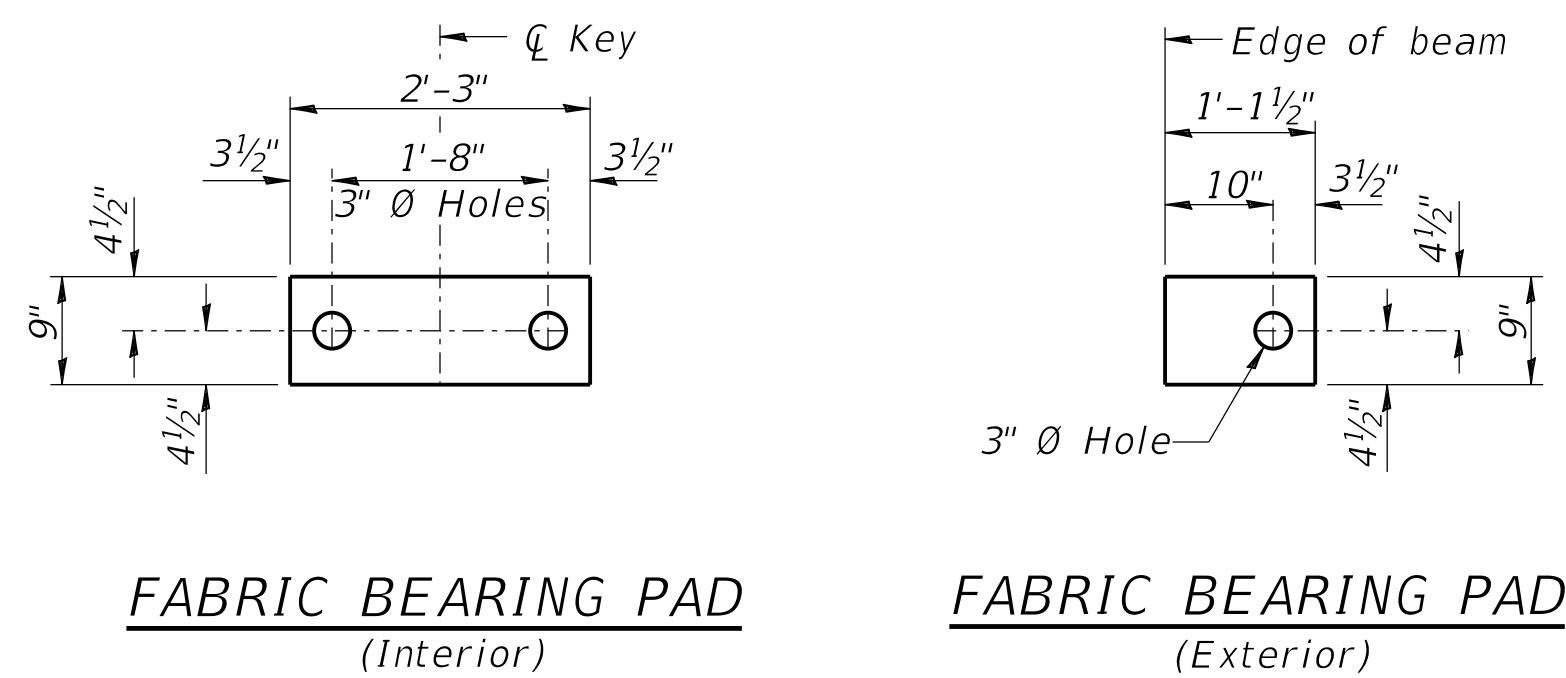
REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST PRESTRESSED CONCRETE DECK BEAM DETAILS

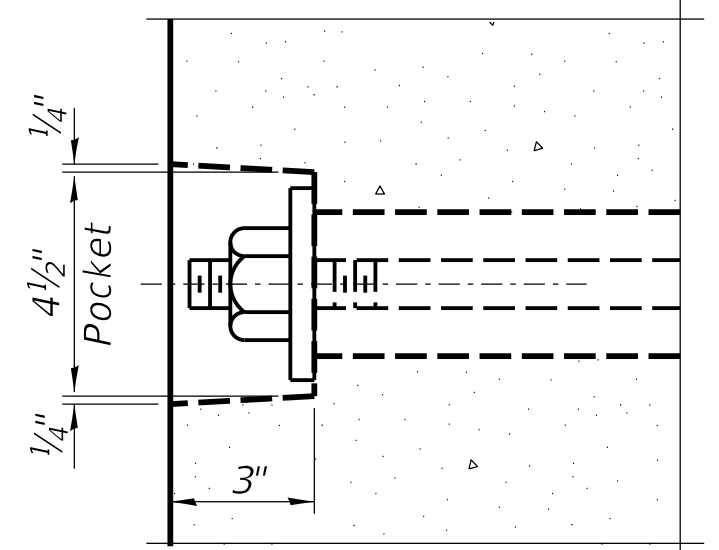
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TR 312	17-20129-00-BR	FAYETTE	12	5
			CONTRACT NO. 95888	

GCL JOB NO. 20-622

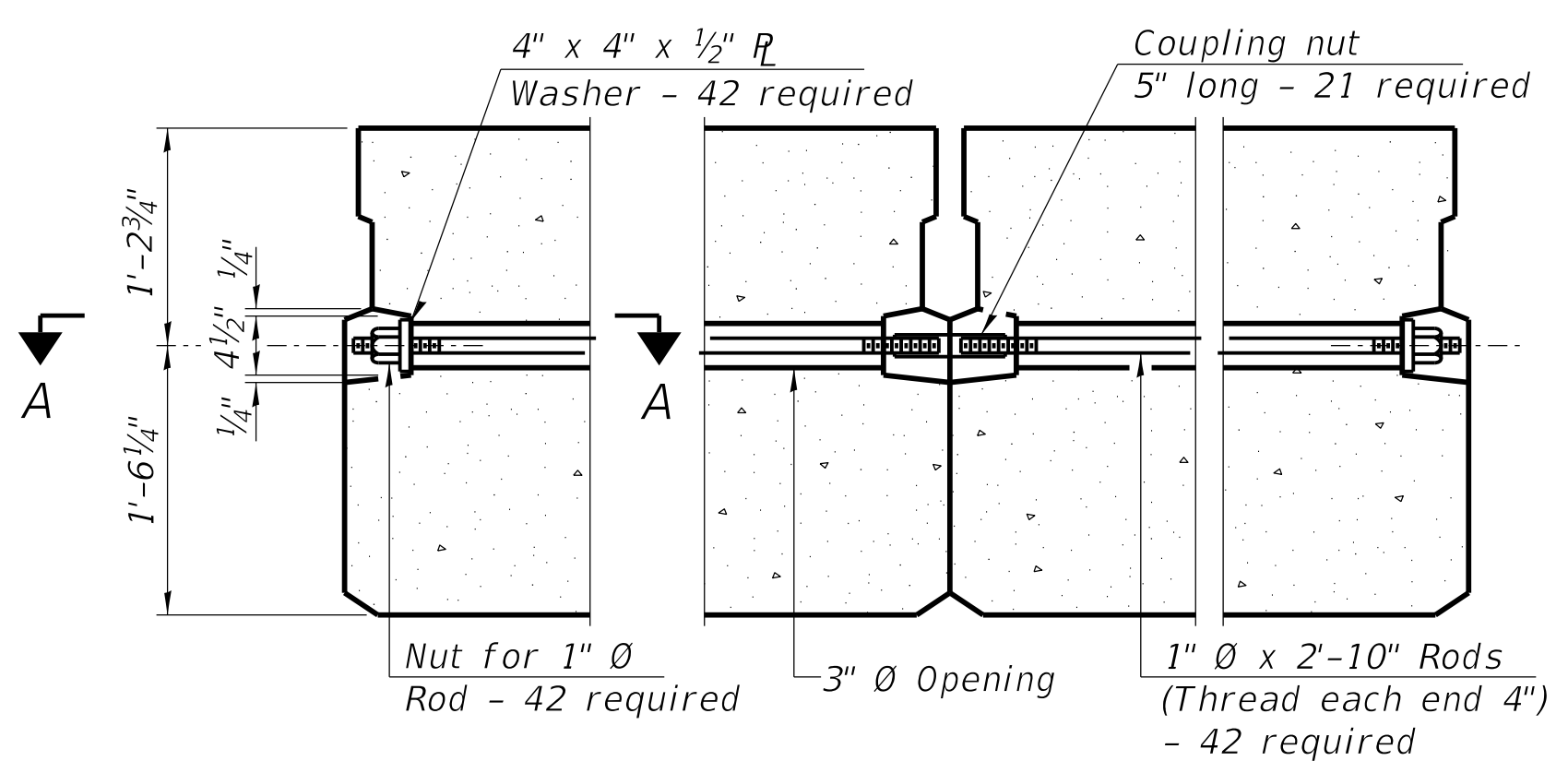


FABRIC BEARING PAD (Interior) **FABRIC BEARING PAD (Exterior)**

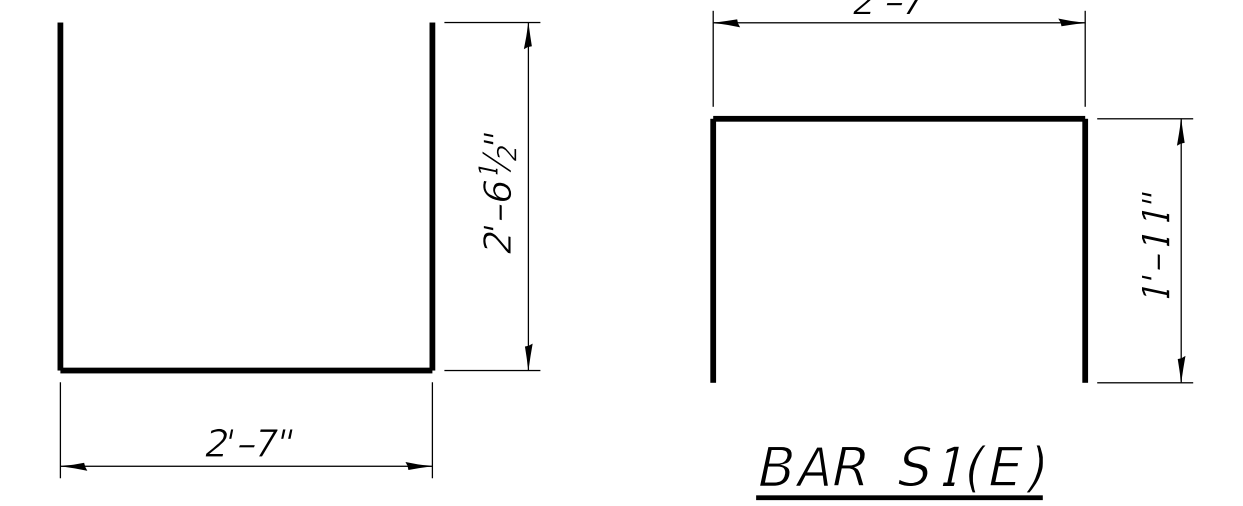
FIXED
Notes: All bearing pads shall be 1" thick.



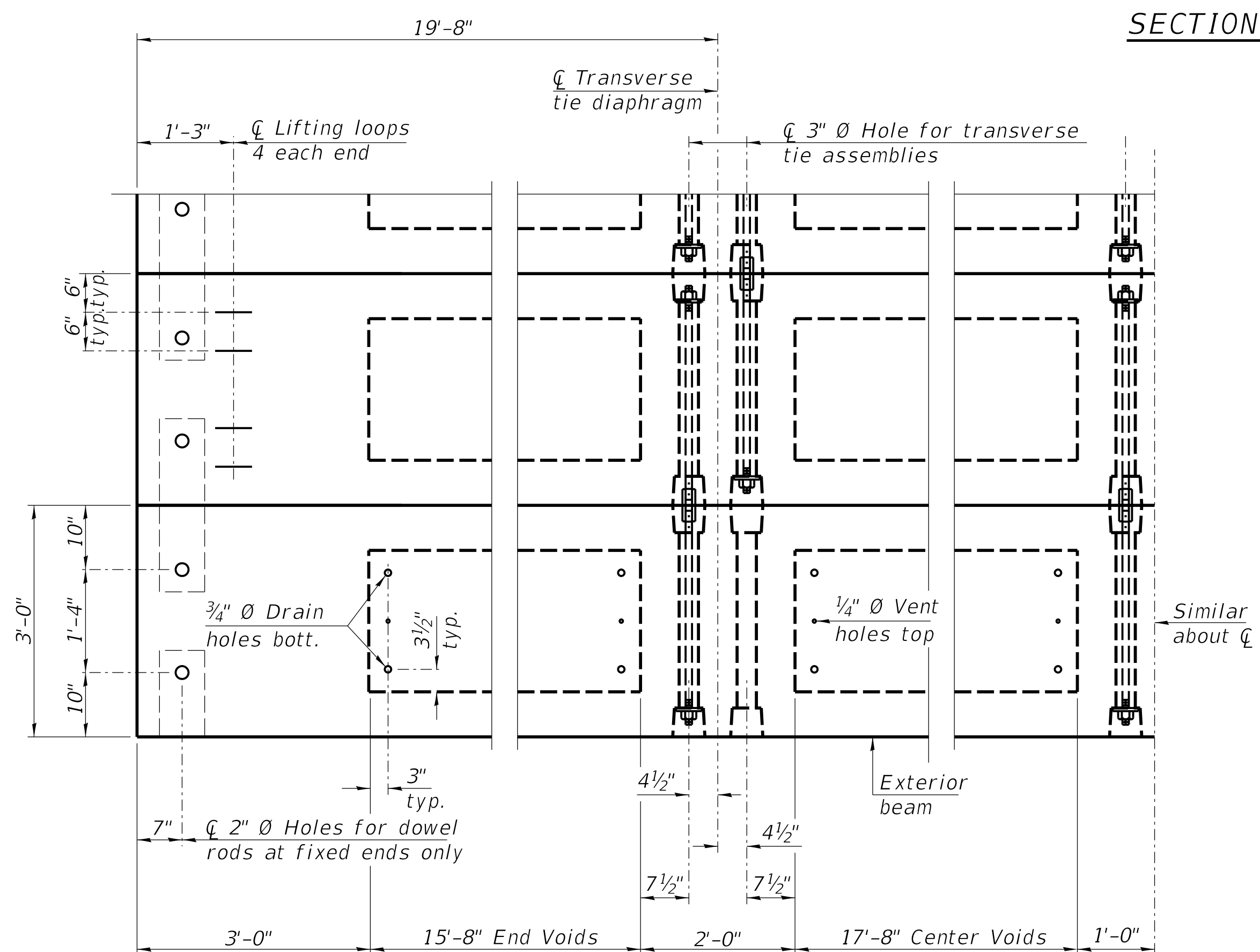
SECTION A-A



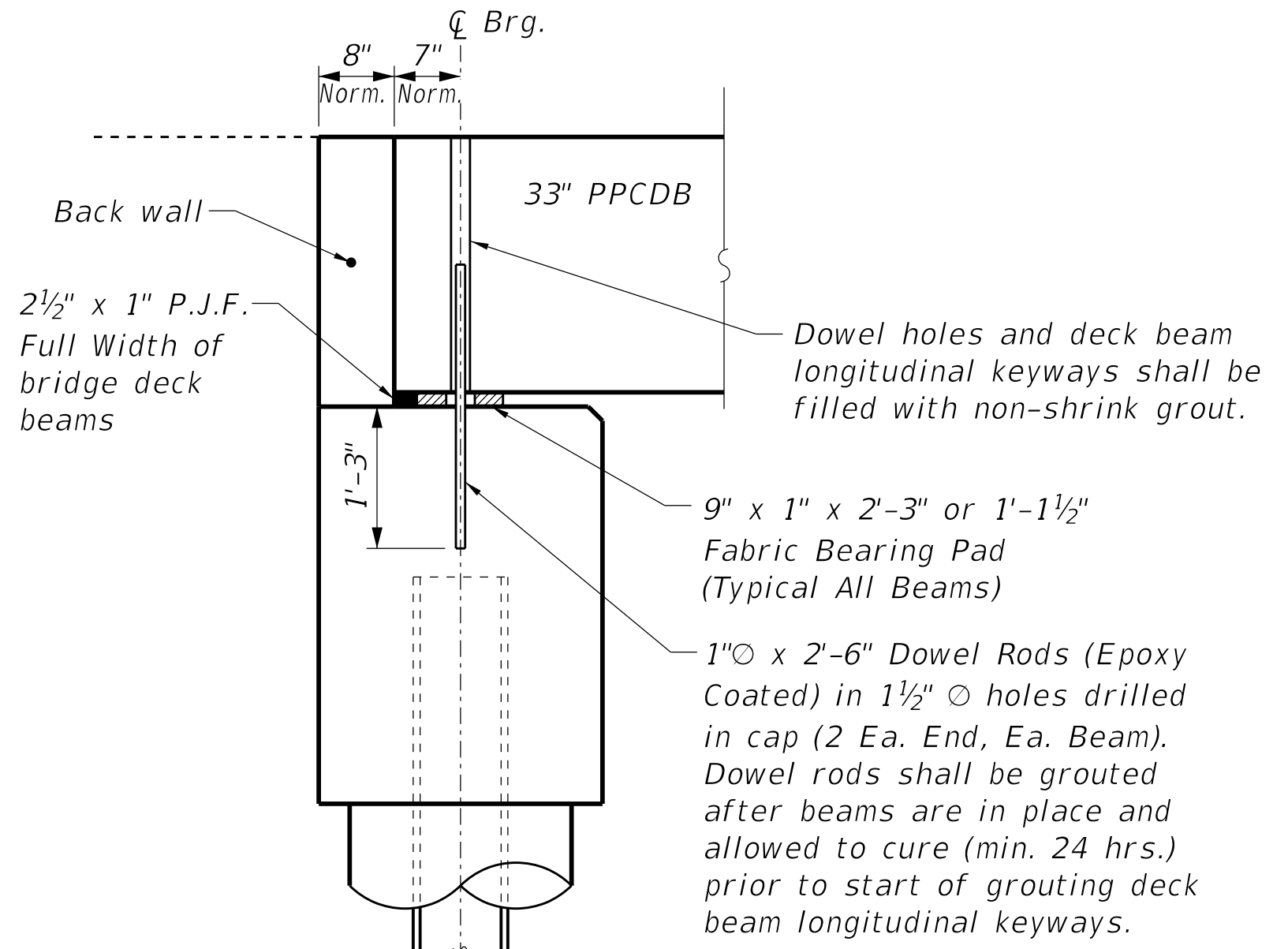
TYPICAL TRANSVERSE TIE ASSEMBLY



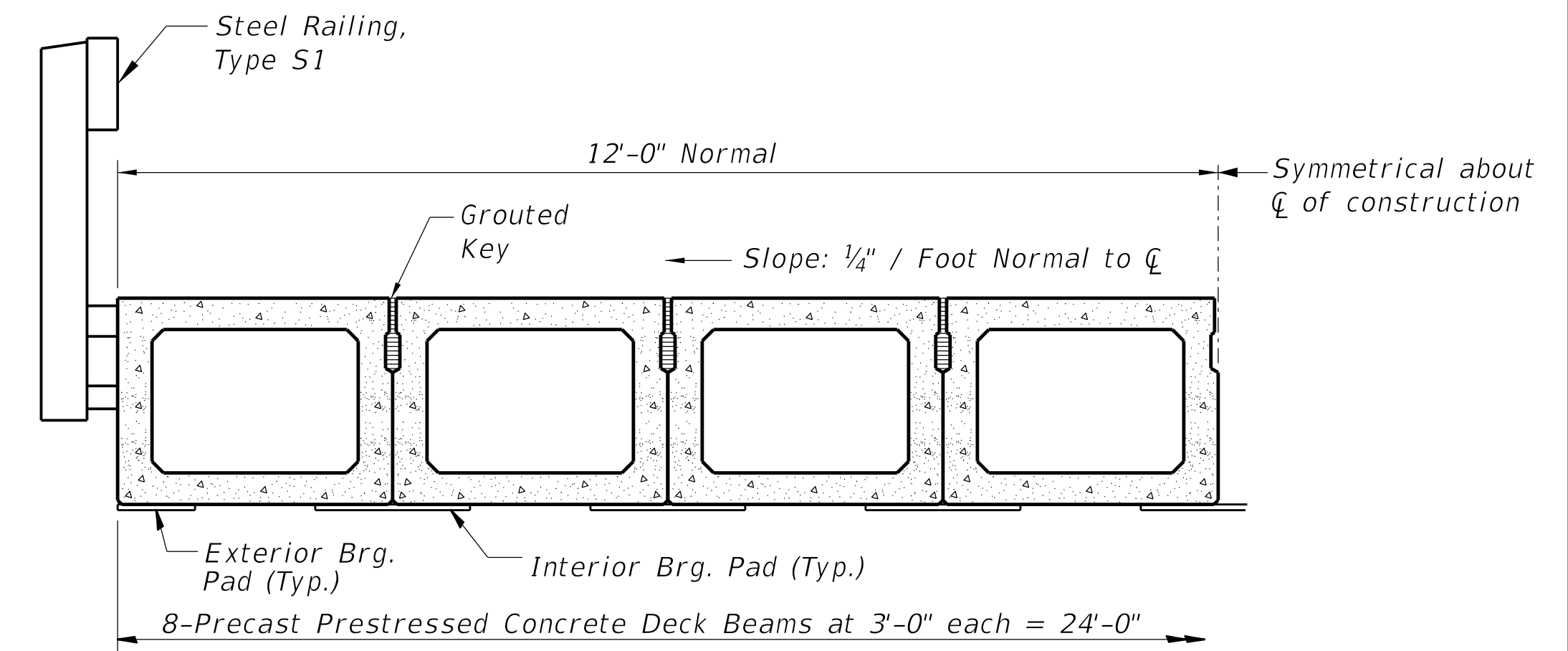
BAR S(E) **BAR S1(E)**
BAR S2(E) **BAR U(E)**
BAR U1(E)



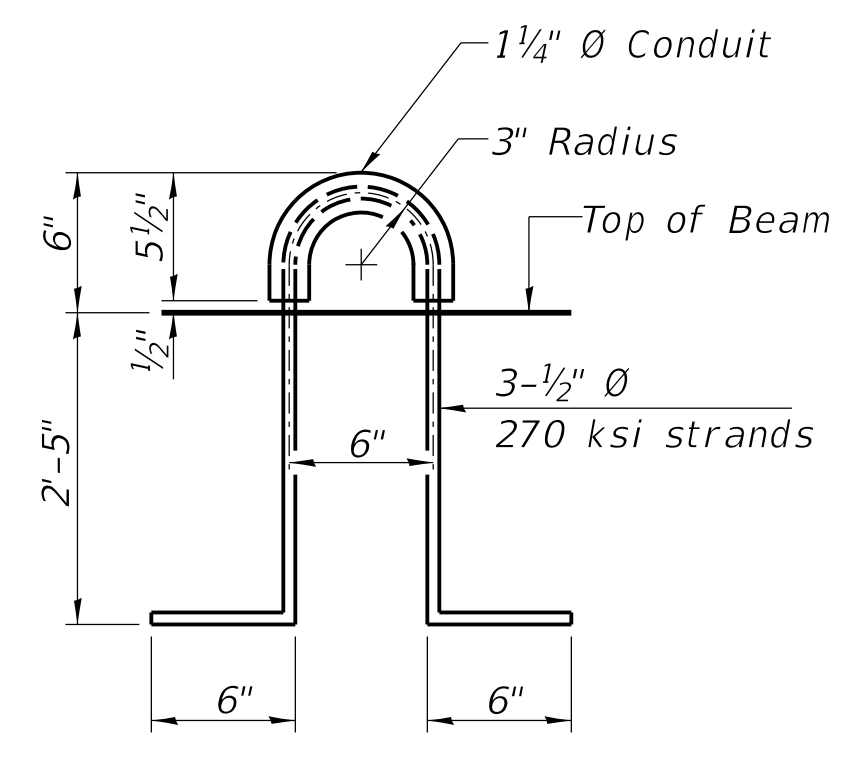
PLAN VIEW Note: Connect beams in pairs with the transverse tie configuration shown.



FIXED BEARING ABUTMENT



HALF CROSS SECTION
See Sheet 7 for the details showing the spacing and mounting of posts and rails to the PPCDB.



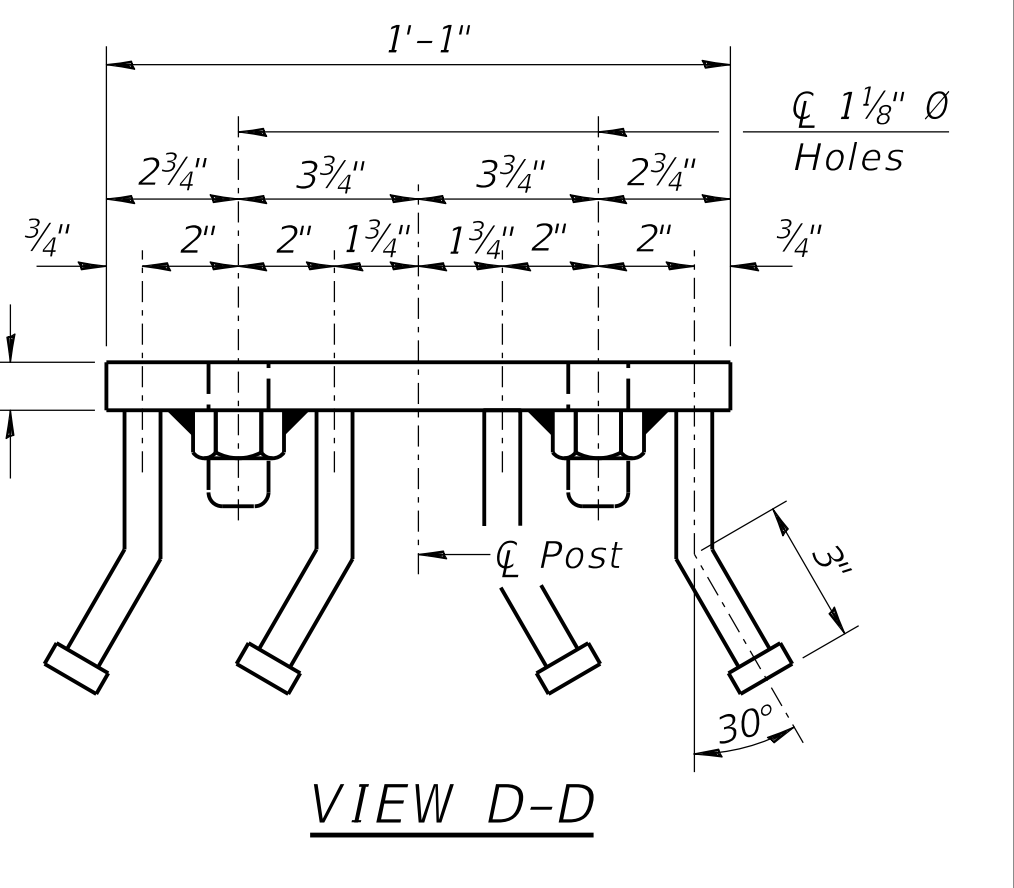
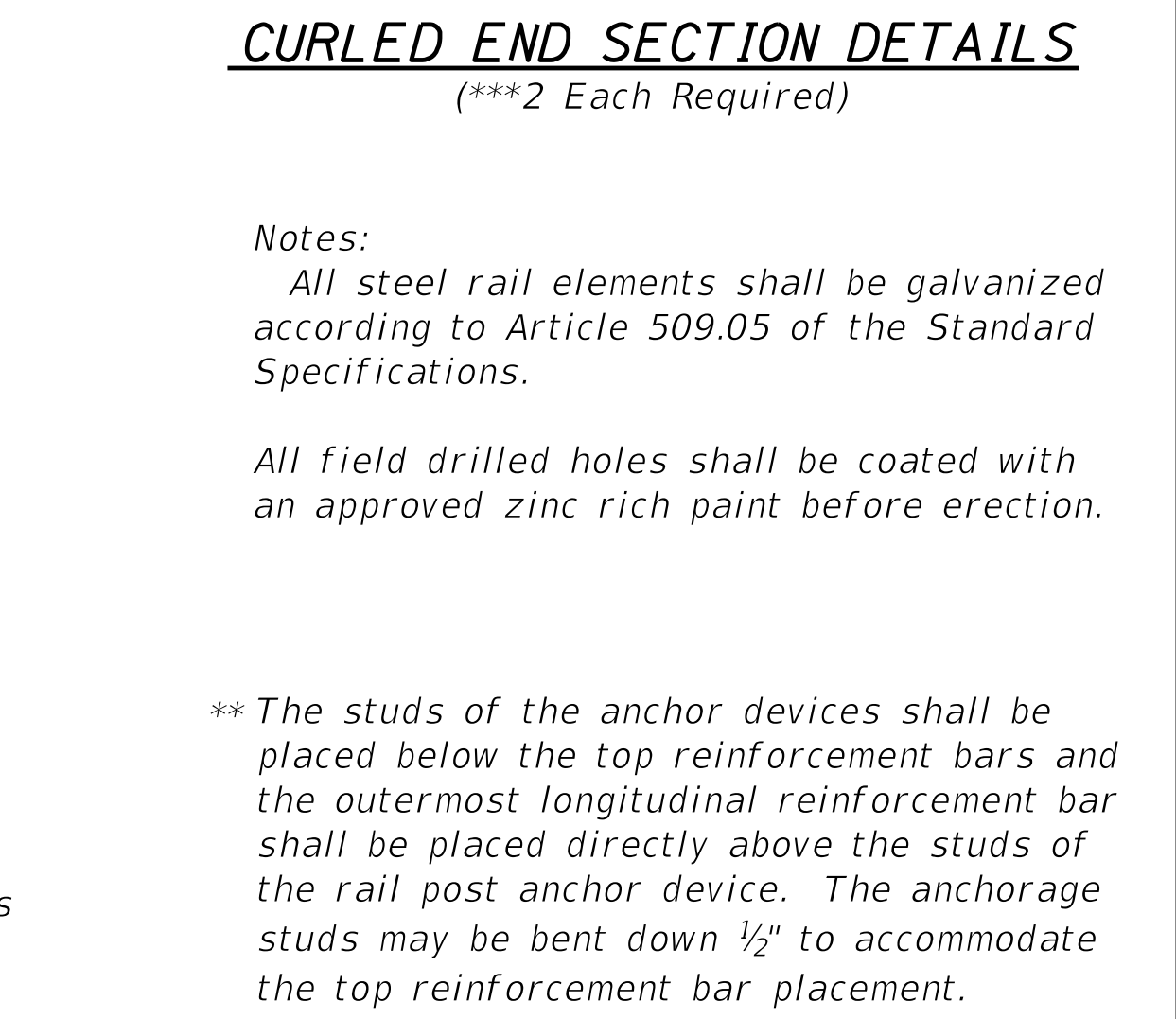
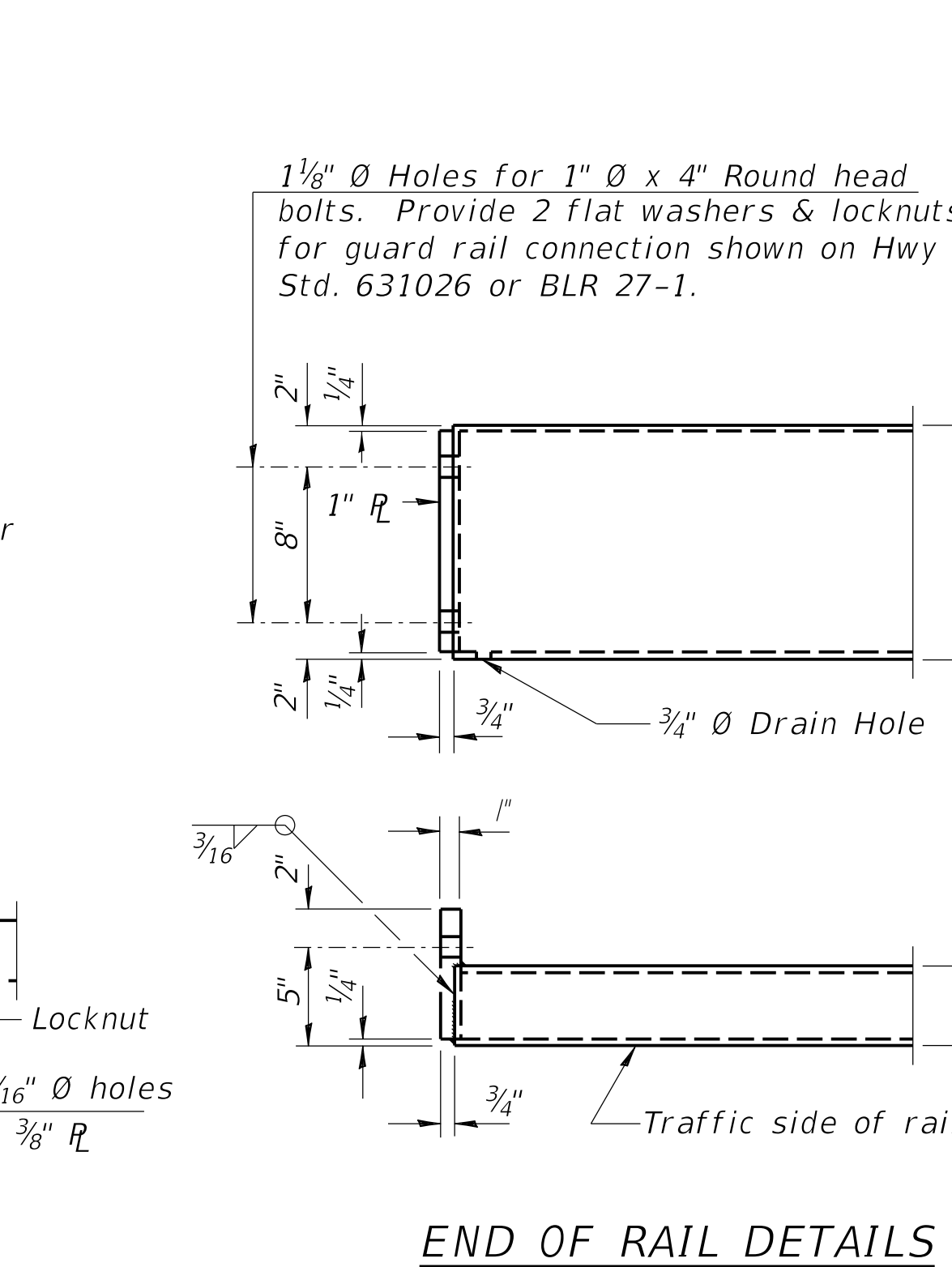
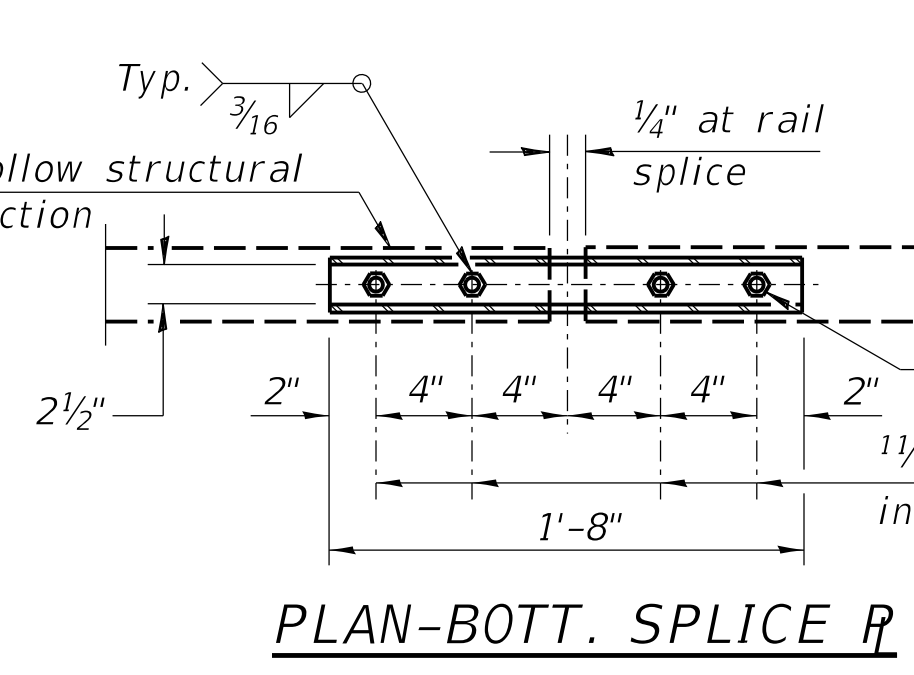
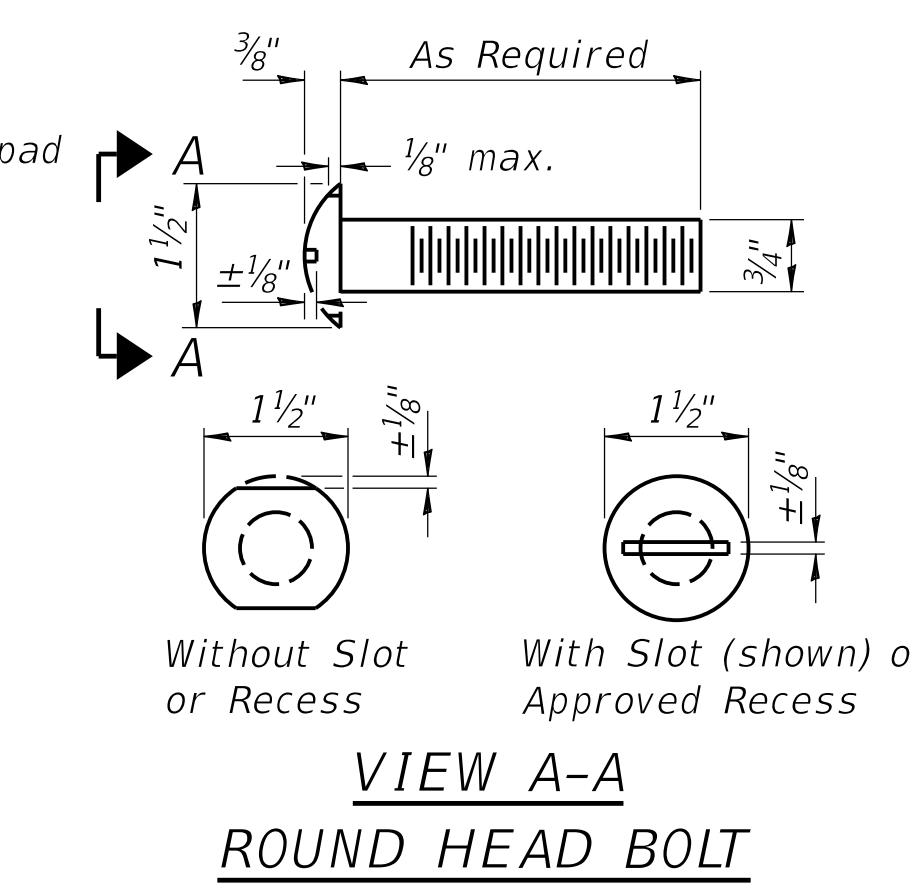
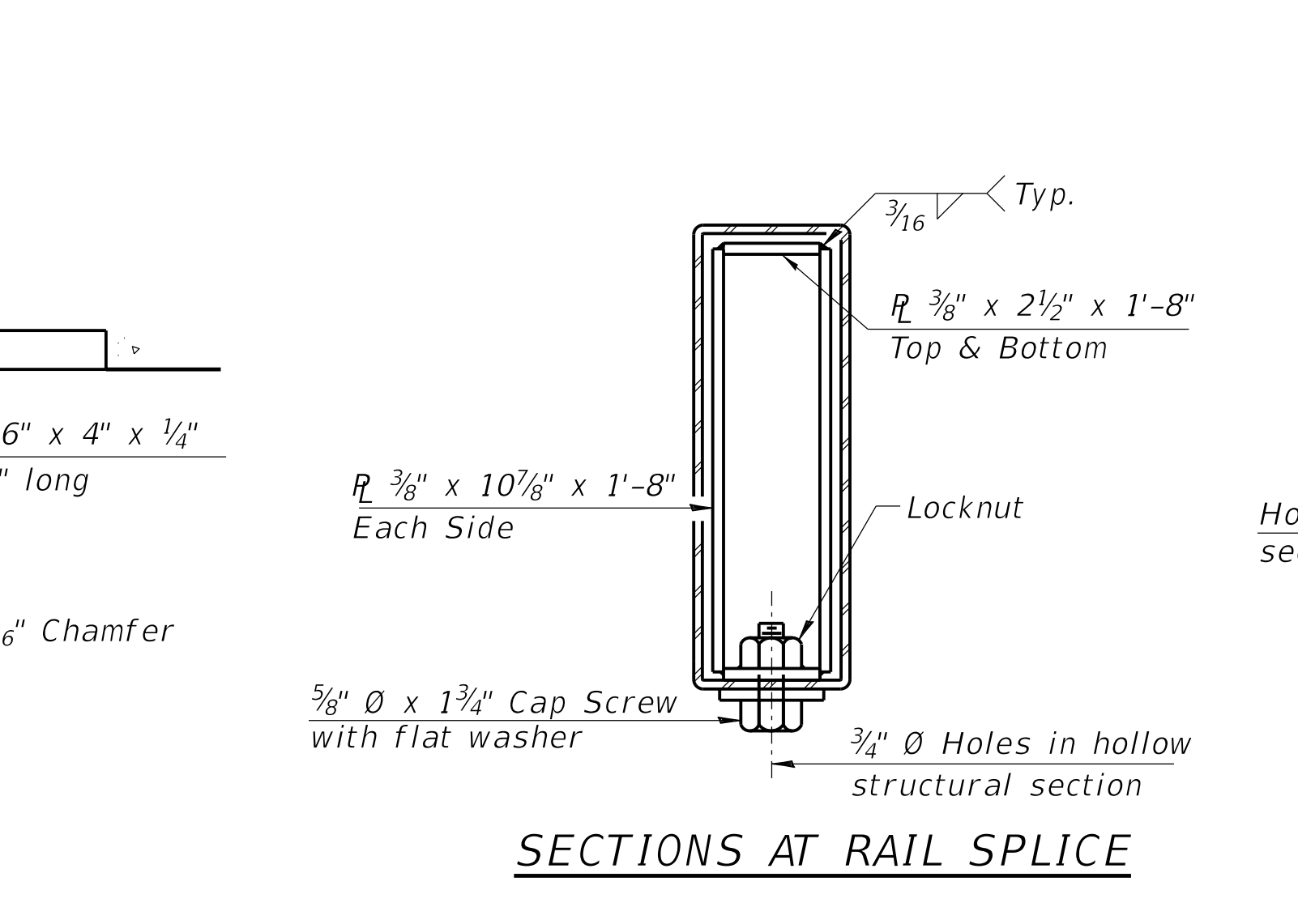
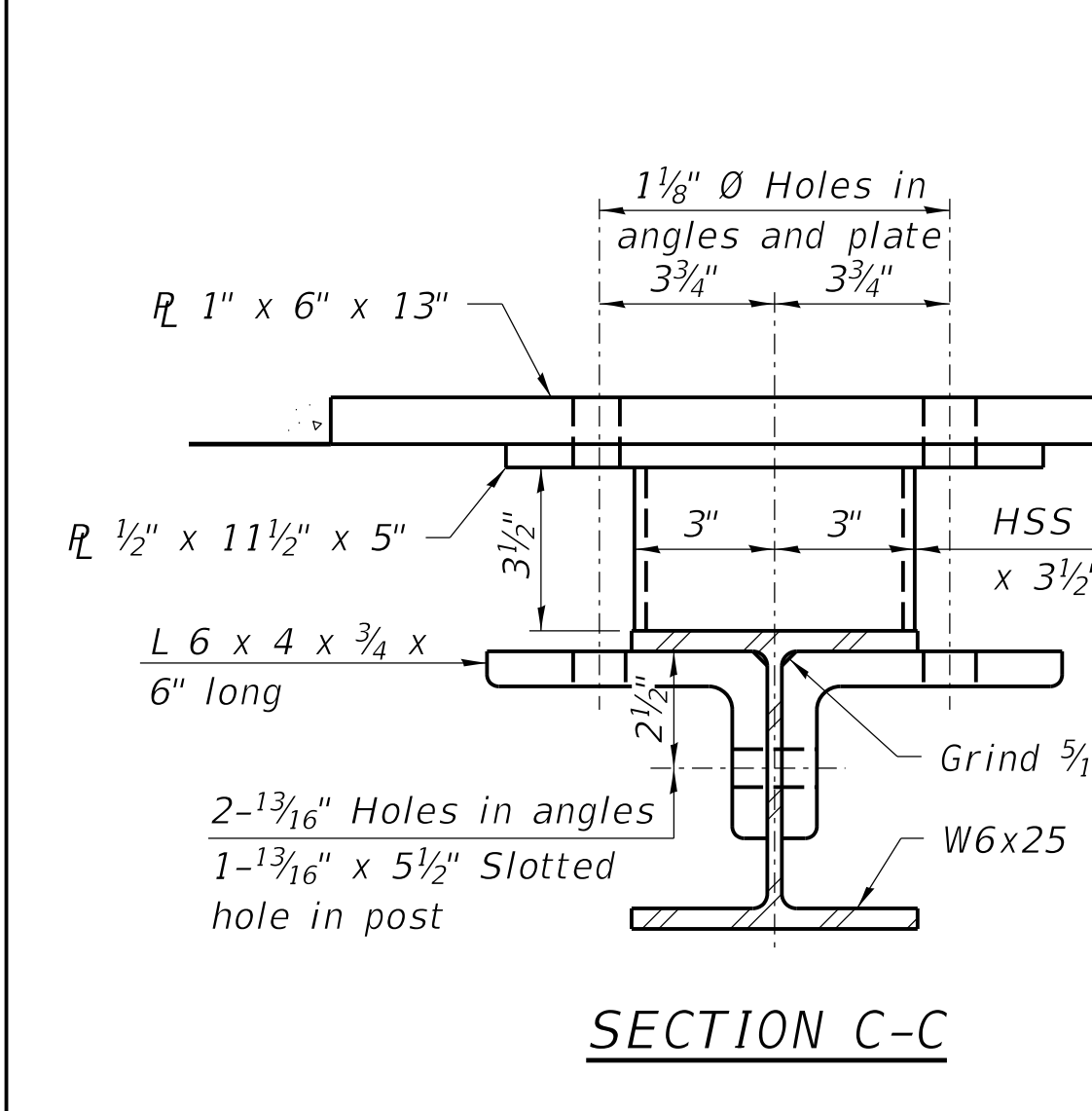
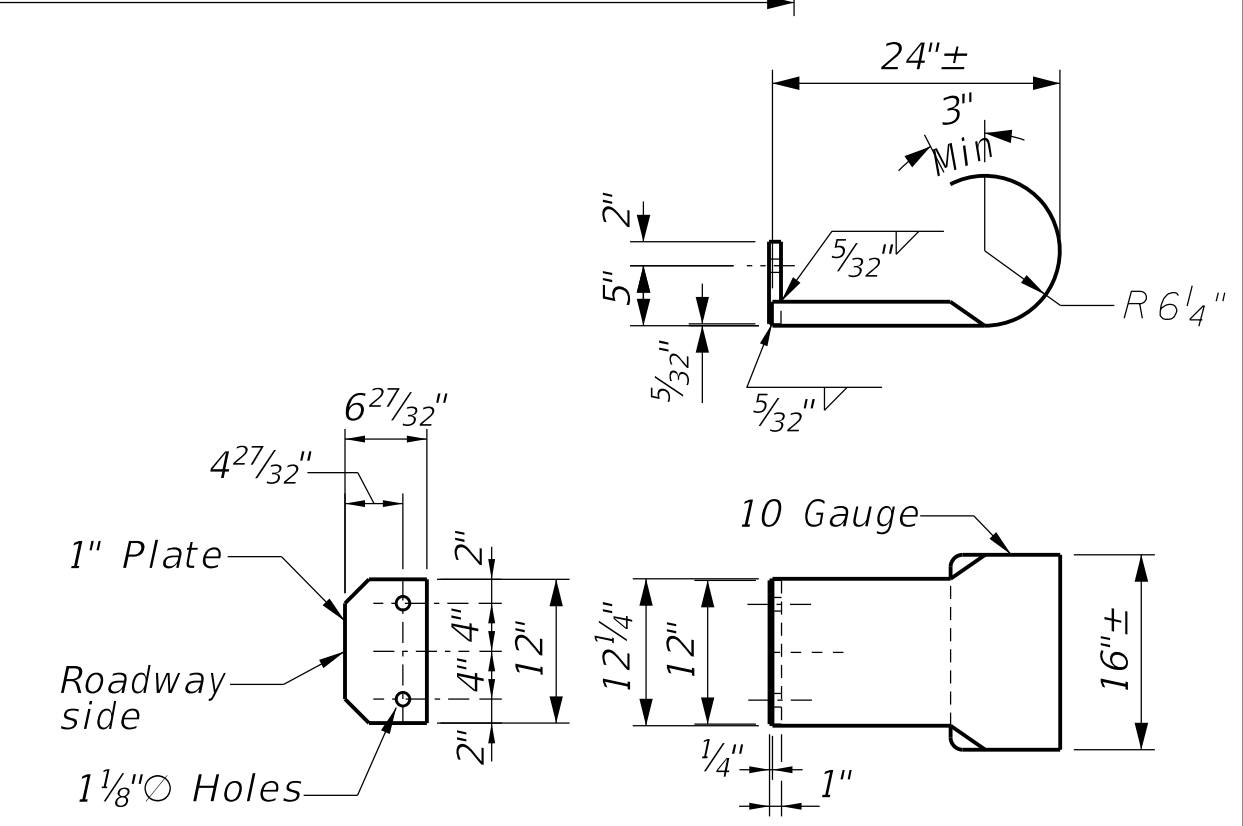
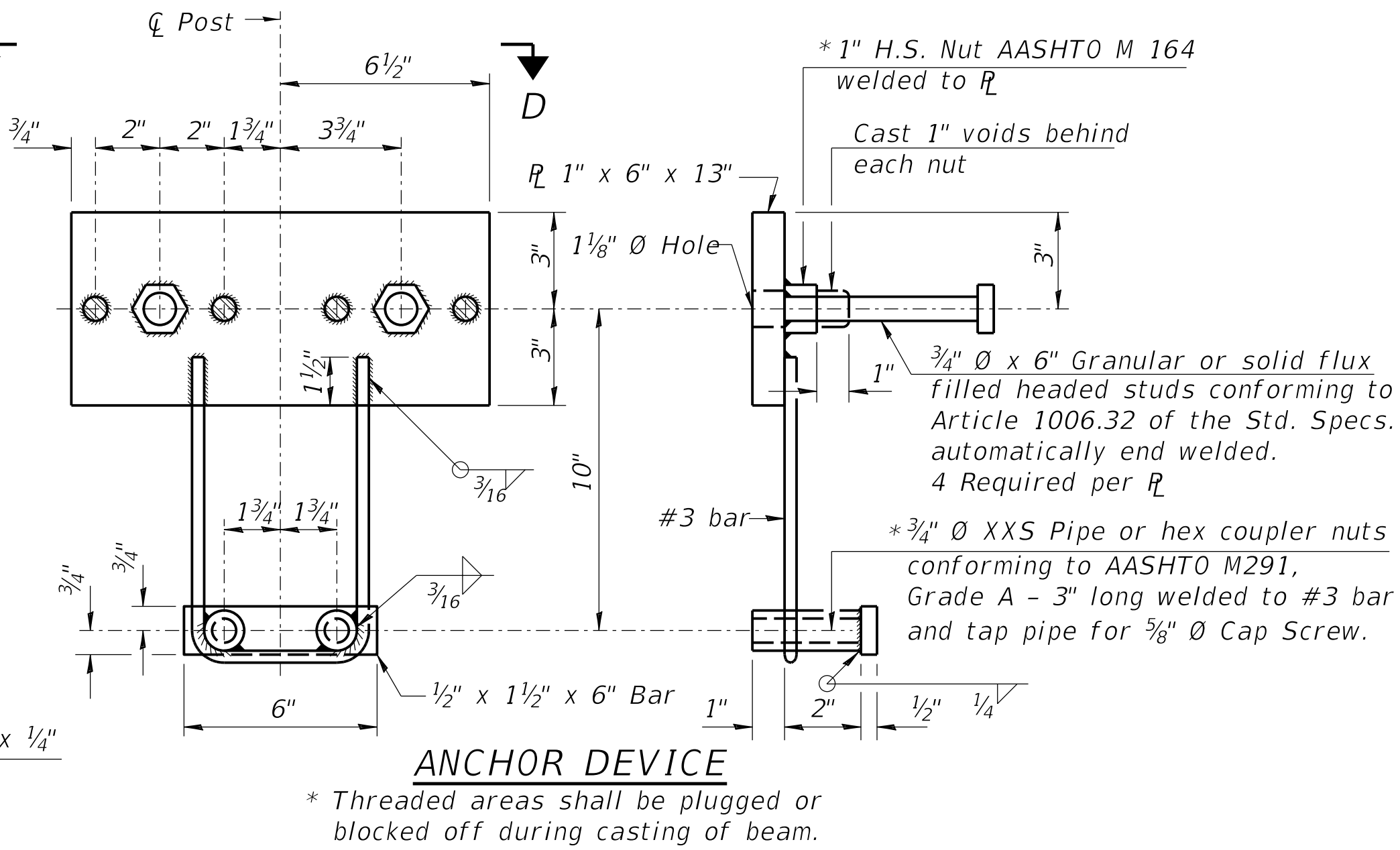
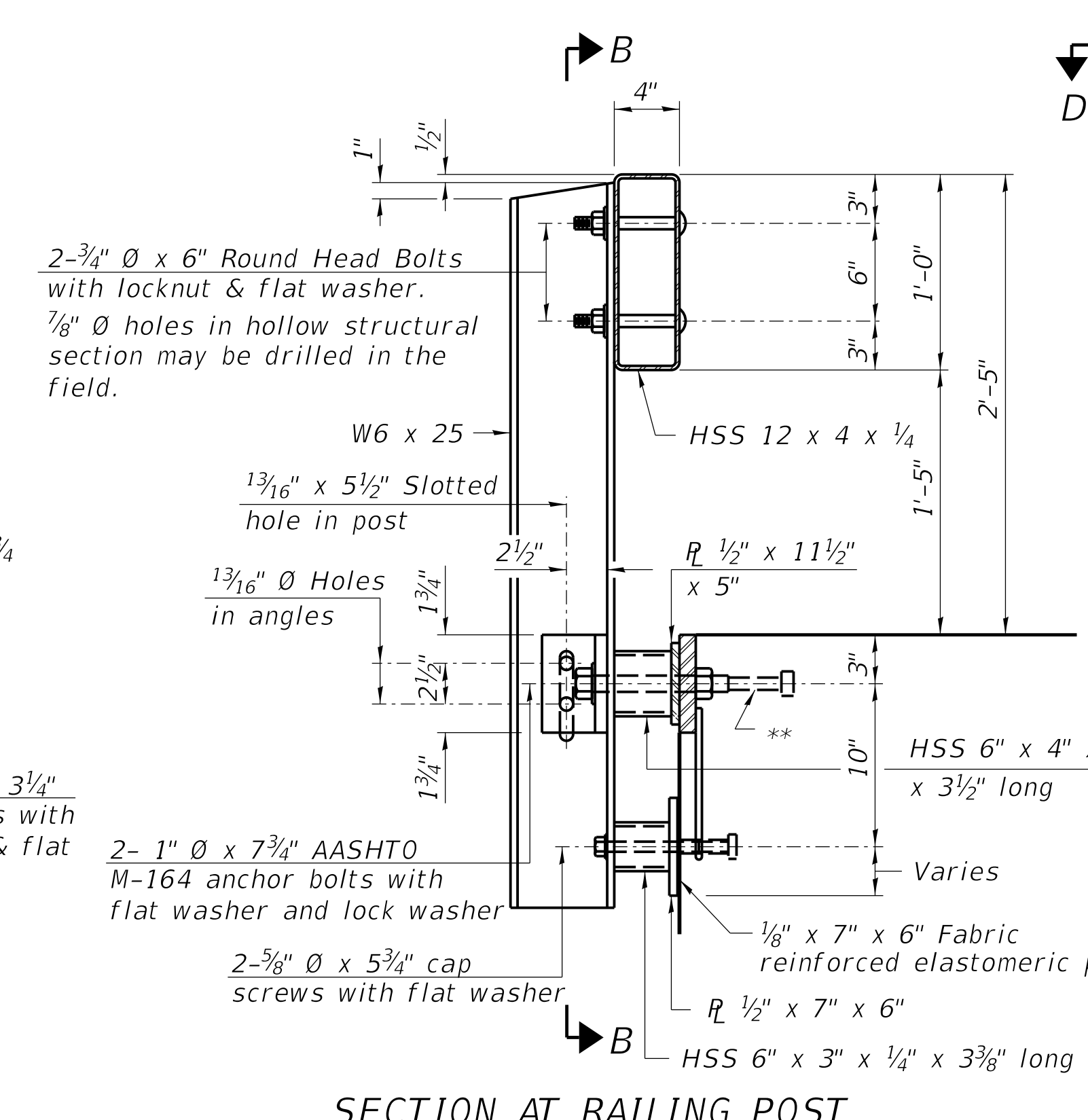
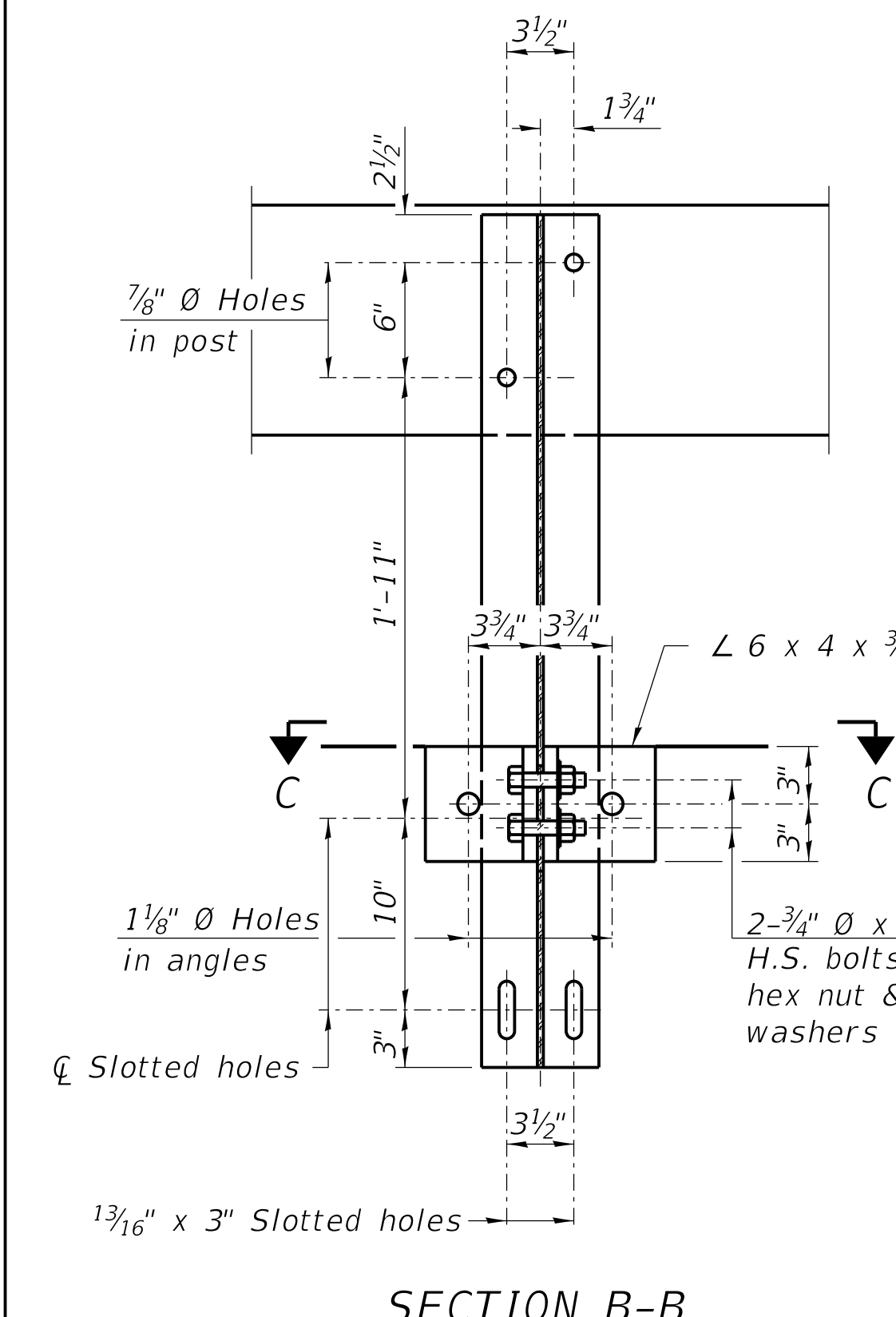
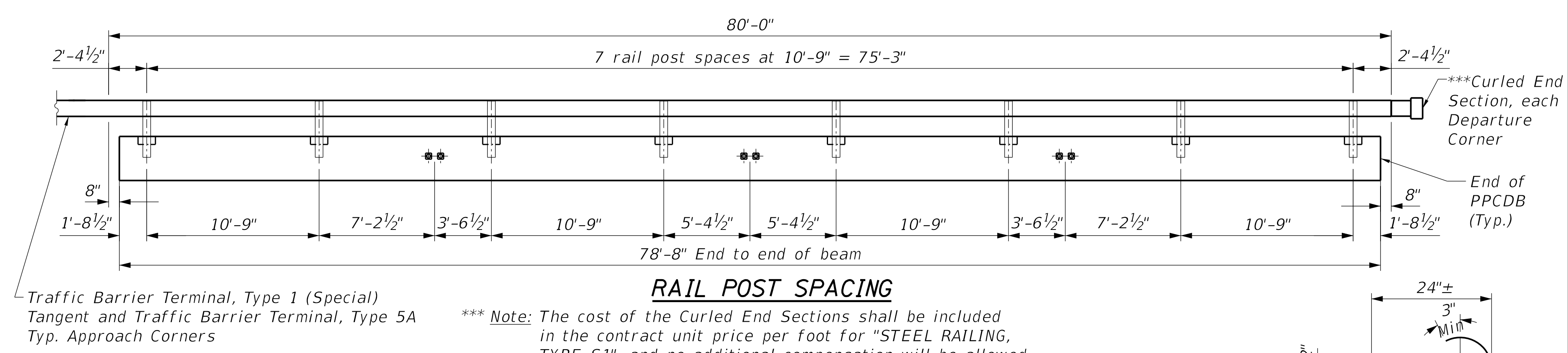
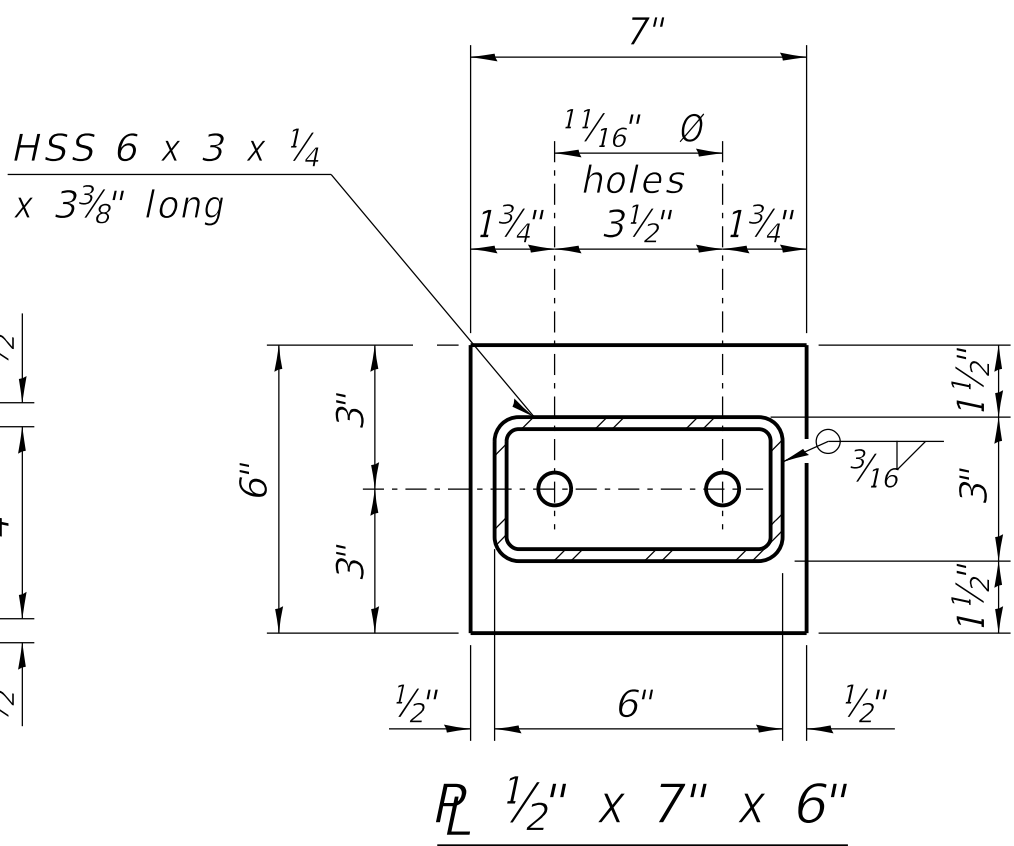
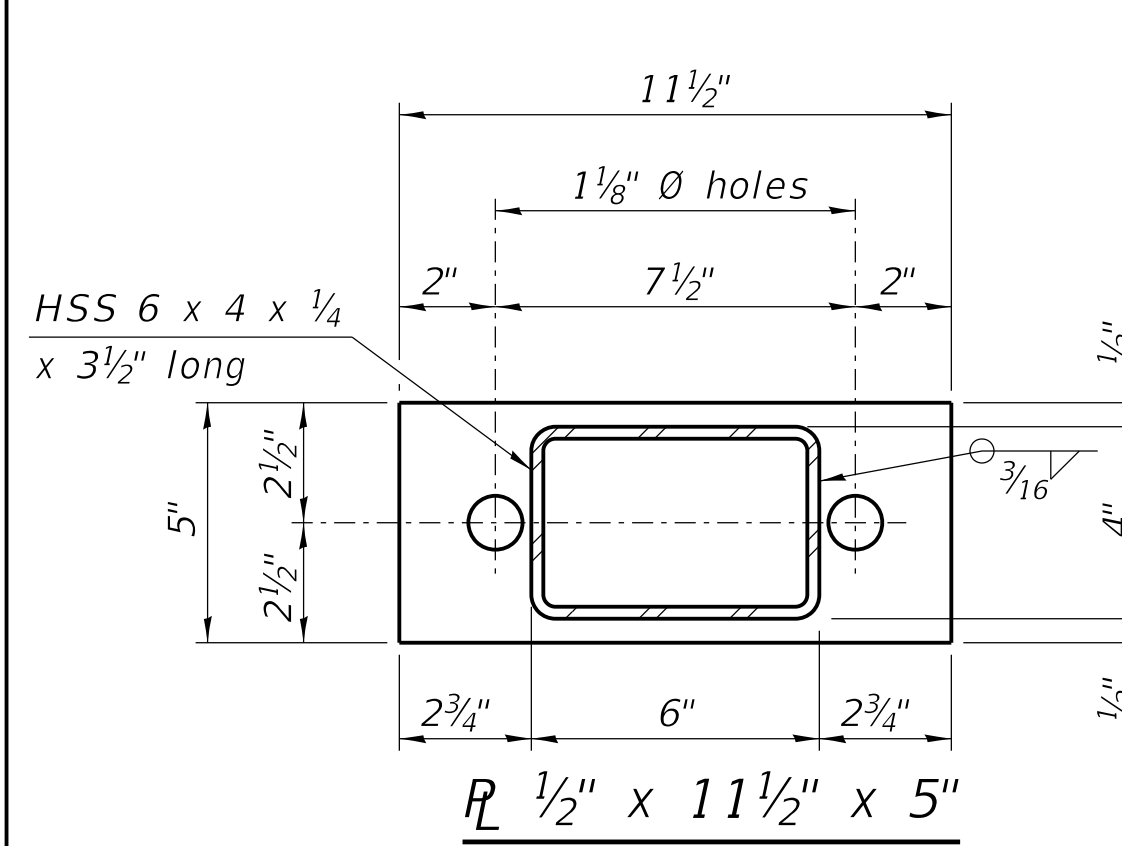
LIFTING LOOP DETAIL

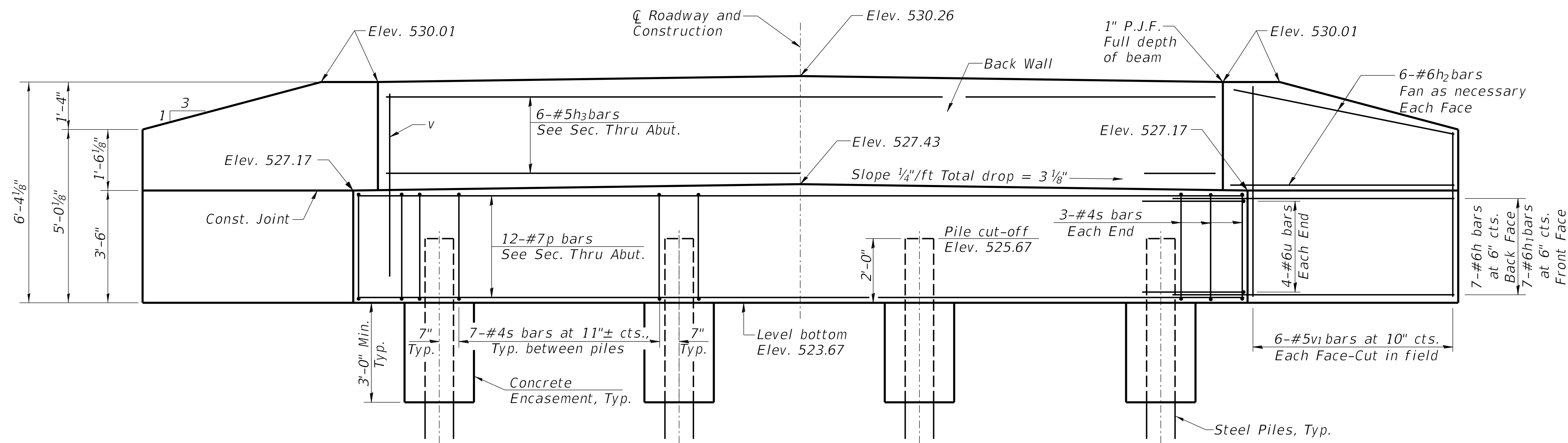
NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place. Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi. Reinforcement bars shall conform to ASTM A706, Grade 60 (IL Mod.)

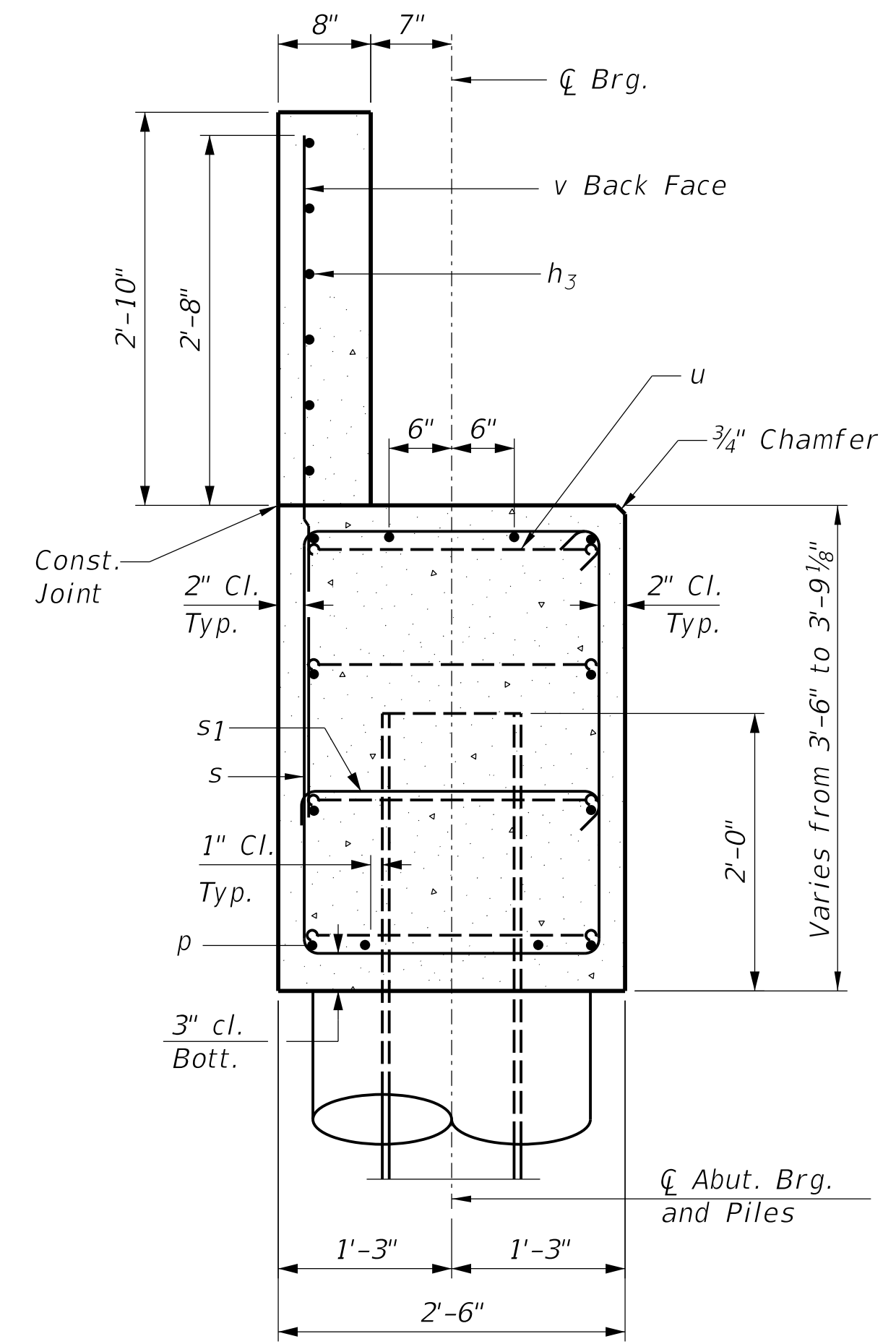
BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (33" depth)	Sq. Ft.	1888
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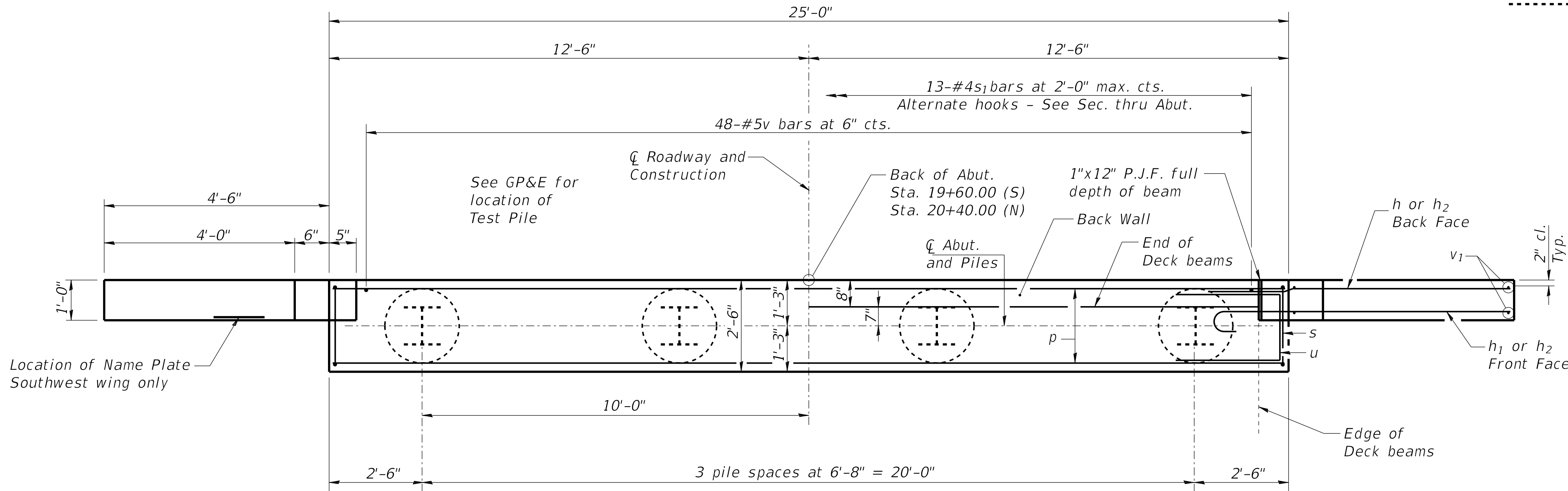




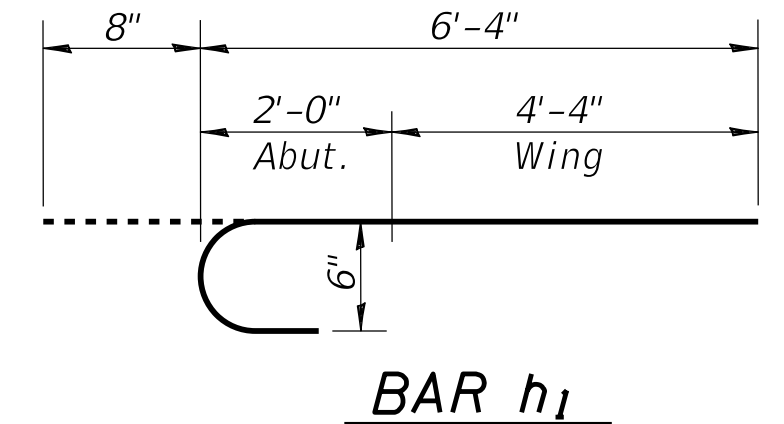
ELEVATION



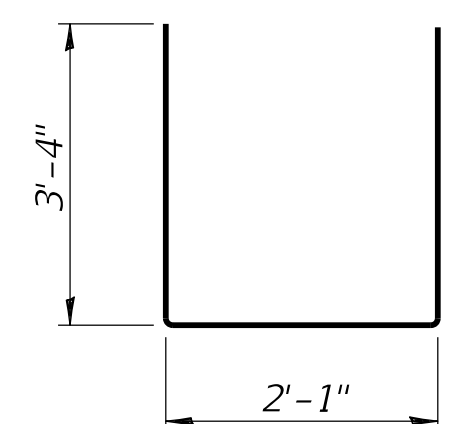
SEC. THRU ABUT.
(Normal to \bar{C})



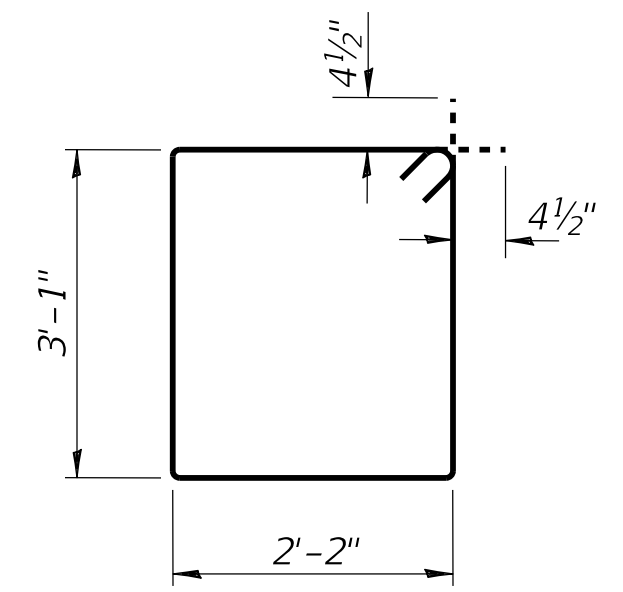
PLAN



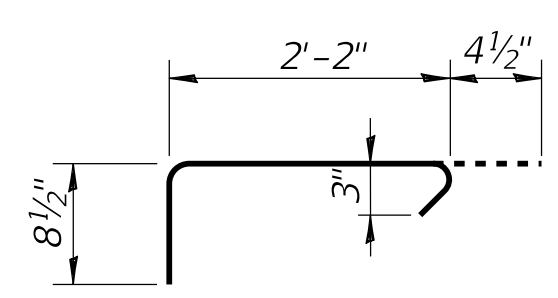
BAR h₁



BAR u



BAR s



BAR s₁

**PILE DATA
SOUTH ABUTMENT**

Type: Steel HP12x53
 Nominal Required Bearing: 418 kips
 Factored Resistance Available: 230 kips
 Estimated Length: 56'/pile
 No. Production Piles: 4
 No. Test Piles: 0

**PILE DATA
NORTH ABUTMENT**

Type: Steel HP12x53
 Nominal Required Bearing: 418 kips
 Factored Resistance Available: 230 kips
 Estimated Length: 69'/pile
 No. Production Piles: 3
 No. Test Piles: 1

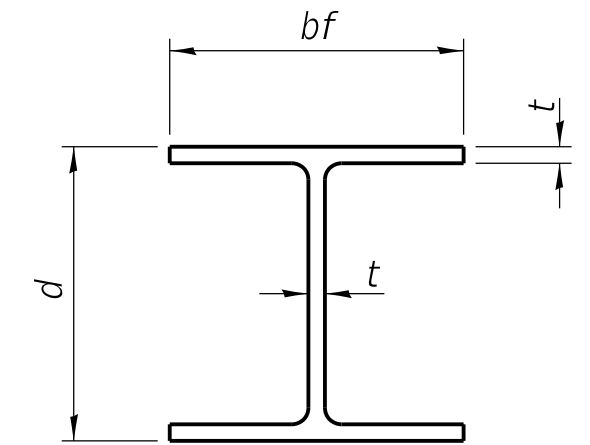
GENERAL NOTES

- Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60 (Illinois Modified).
- The back wall and portion of the wingwalls above the construction joint shall be cast against the in-place deck beams.
- All exposed edges shall have standard 3/4" chamfer, unless otherwise noted or as directed by the Engineer.
- The Steel H-piles shall be according to AASHTO M270 Grade 50.
- All clearances between rebar and form surface shall be 2", unless otherwise noted.
- The Contractor shall drive one (1) Test Pile of the size and type as shown on the plans, in a production location as directed by the Engineer before ordering the remainder of the piles.
- Space reinforcement in cap to miss PPCDB dowel rods.
- The Test Pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.

**BILL OF MATERIAL
FOR ONE ABUTMENT**

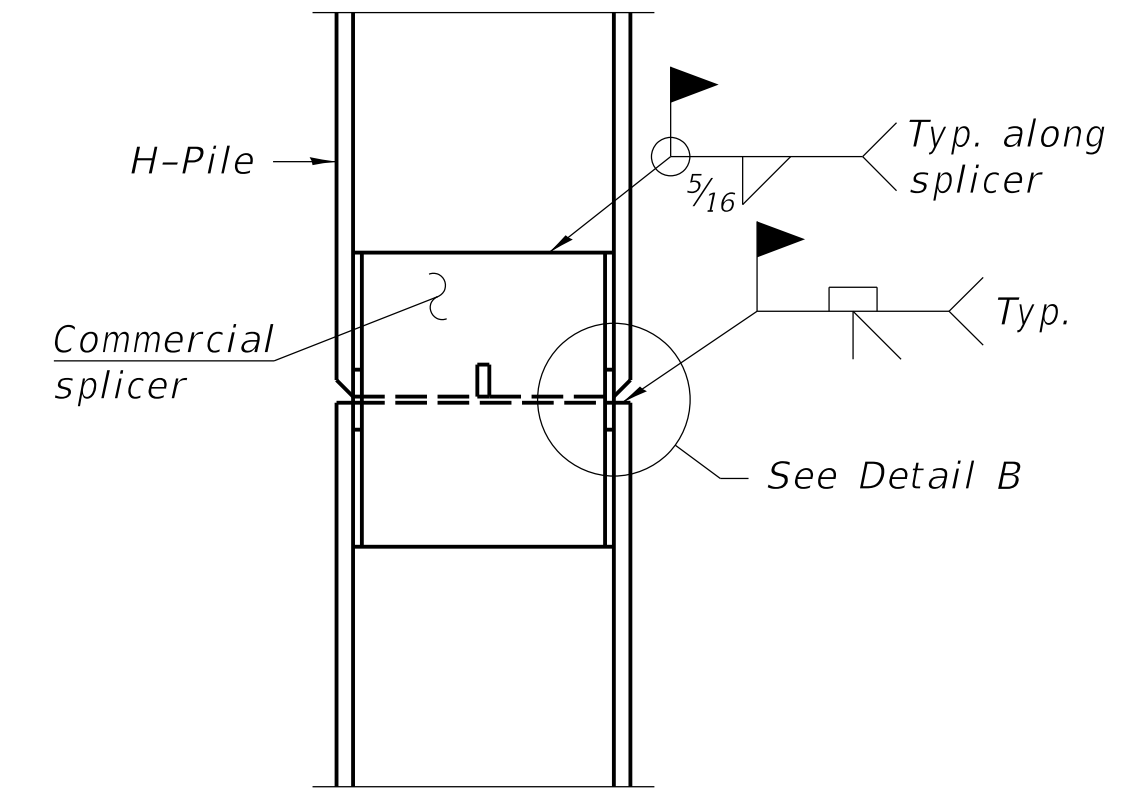
Bar	No.	Size	Length	Shape
h	14	#6	7'-10"	—
h ₁	14	#6	7'-0"	⌋
h ₂	24	#6	4'-8"	—
h ₃	6	#5	23'-8"	—
p	12	#7	24'-8"	—
s	27	#4	11'-3"	□
s ₁	13	#4	3'-3"	⌋
u	8	#6	8'-9"	⌋
v	48	#5	5'-0"	—
v ₁	24	#5	6'-0"	— CUT IN FIELD
Concrete Structures		Cu Yd		12.1
Concrete Encasement		Cu Yd		1.4
Reinforcement Bars		Pound		1970
Furnishing Steel		S Abut		224
Piles, HP12x53		N Abut		207
Driving Piles		S Abut		224
		N Abut		207
Test Pile, Steel HP12x53		S Abut		0
		N Abut		1

For details of piles and Concrete Encasement, see Sheet 9.

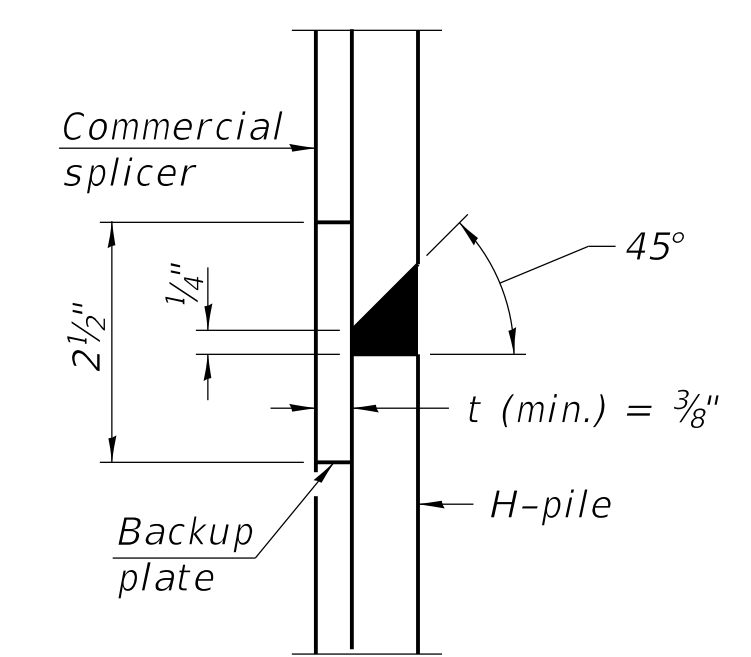


STEEL PILE TABLE

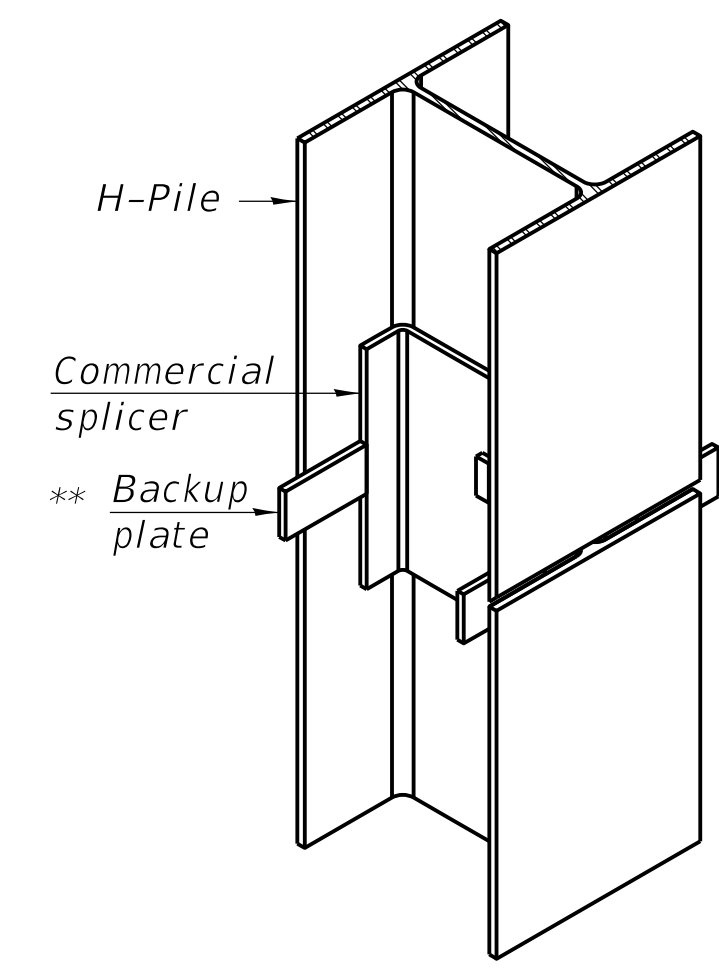
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

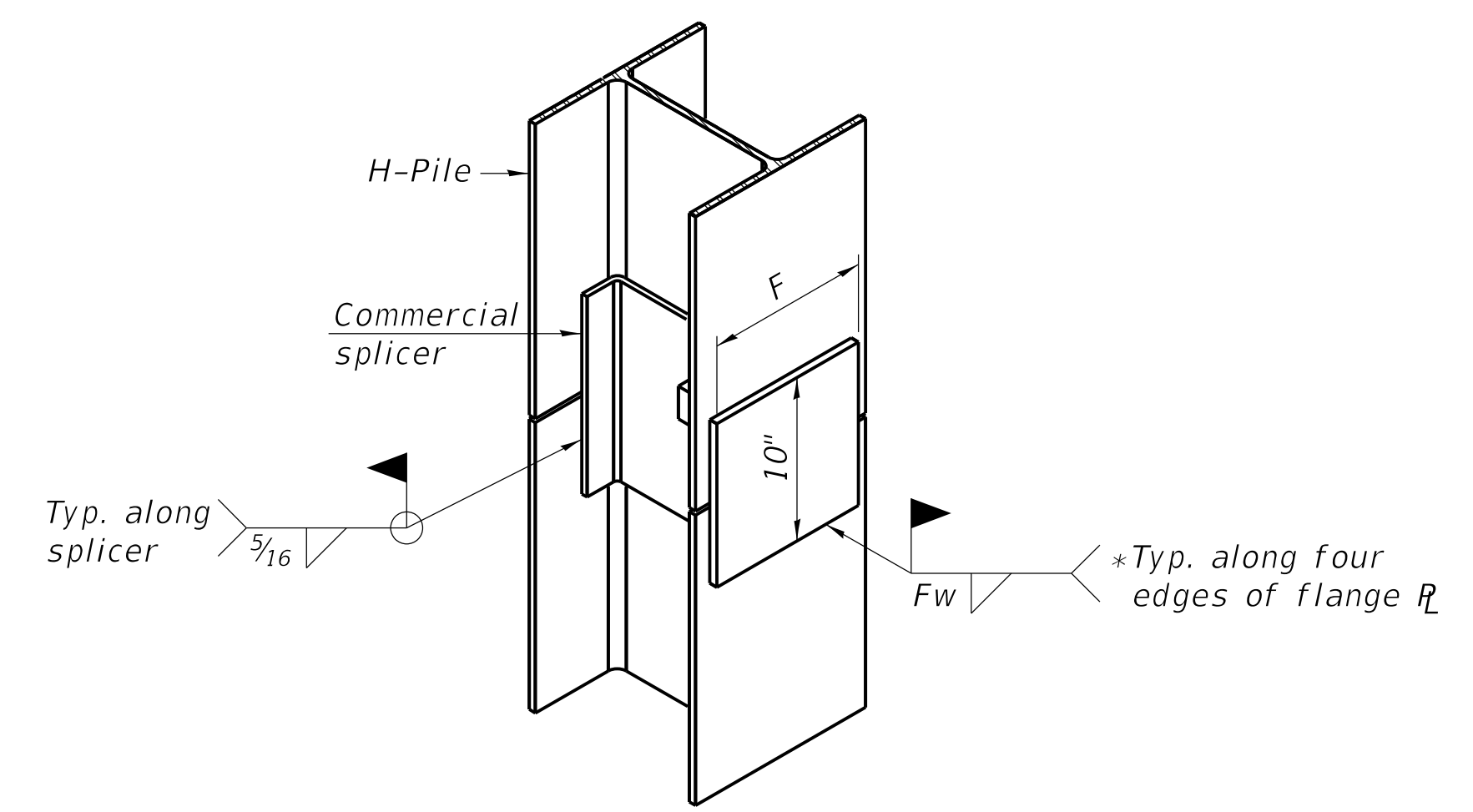


DETAIL "B"



ISOMETRIC VIEW

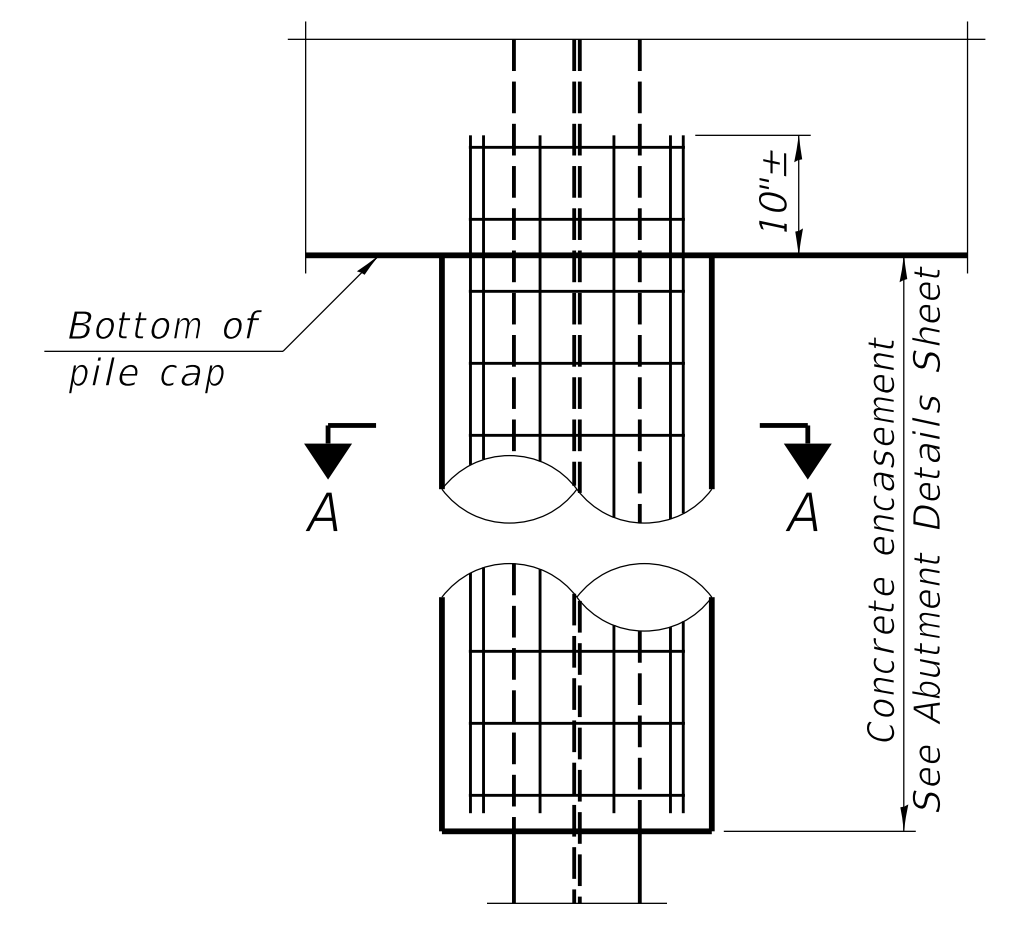
WELDED COMMERCIAL SPLICE



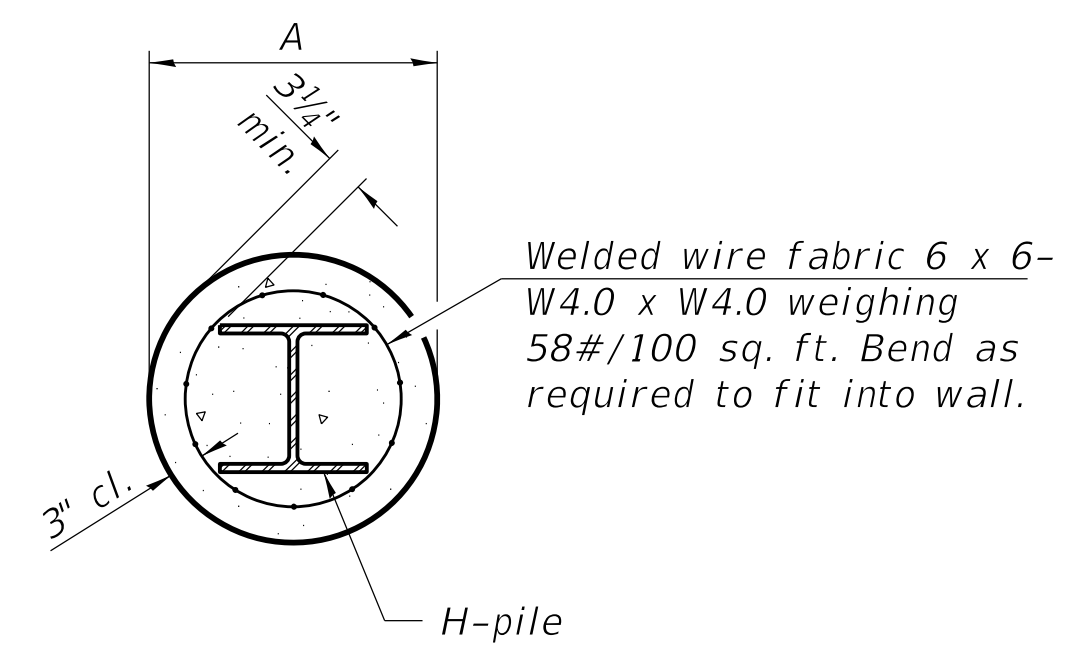
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- Interrupt welds 1/4" from end of web and/or each flange.
- * Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).

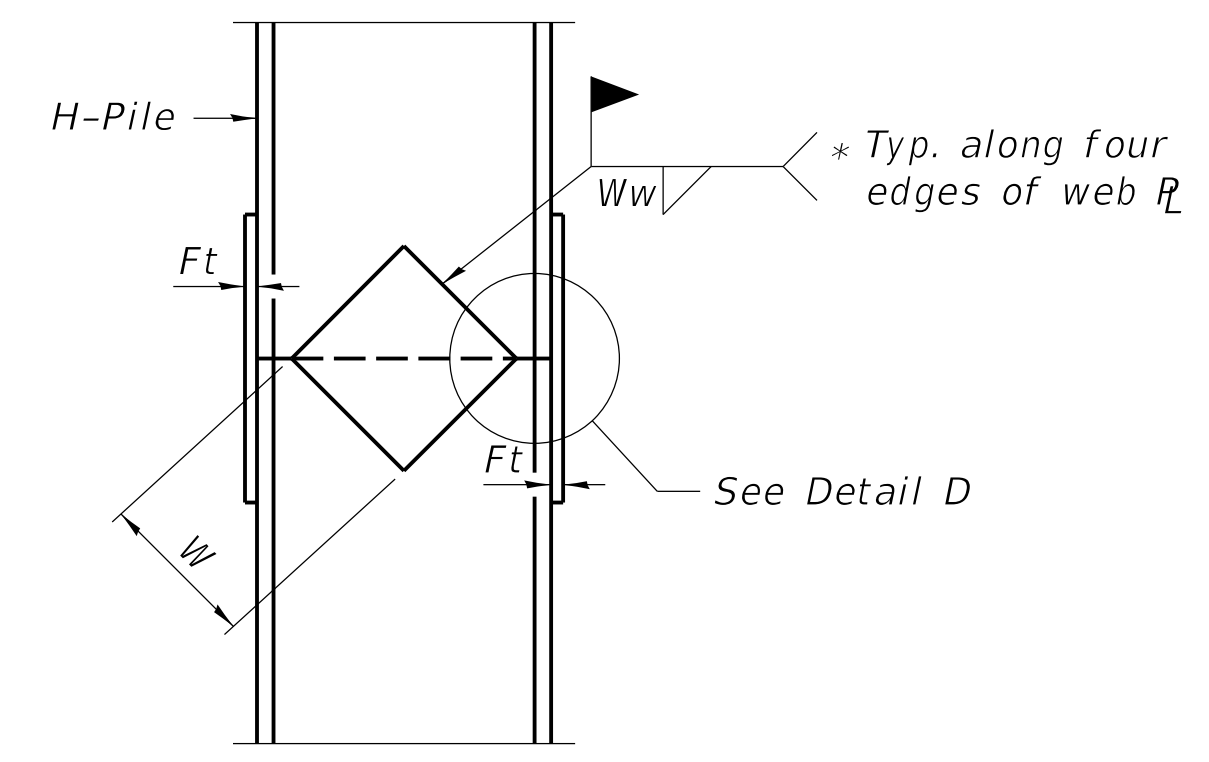


ELEVATION

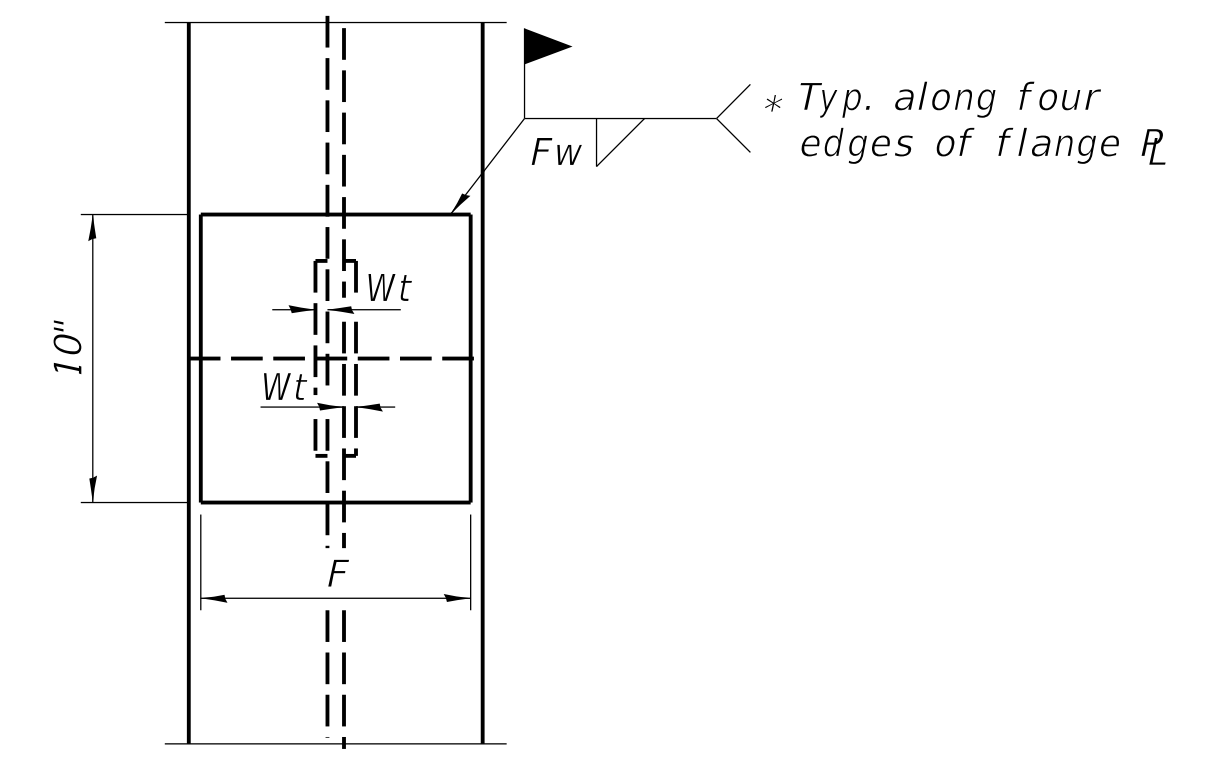


SECTION A-A

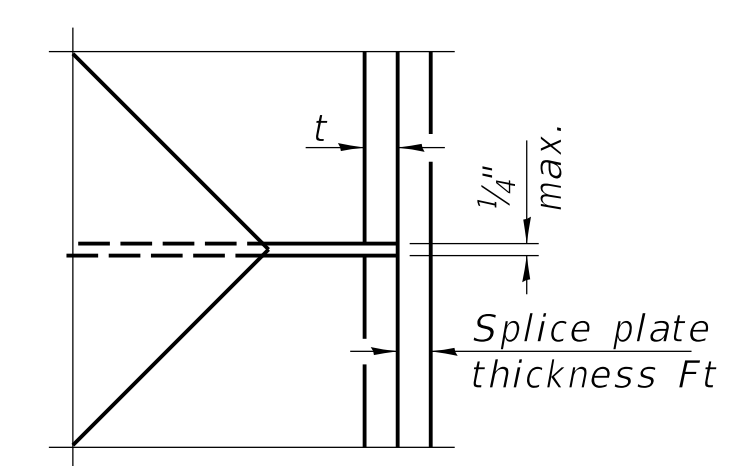
INDIVIDUAL PILE CONCRETE ENCASUREMENT
(Forms for encasement may be omitted when soil conditions permit).



ELEVATION



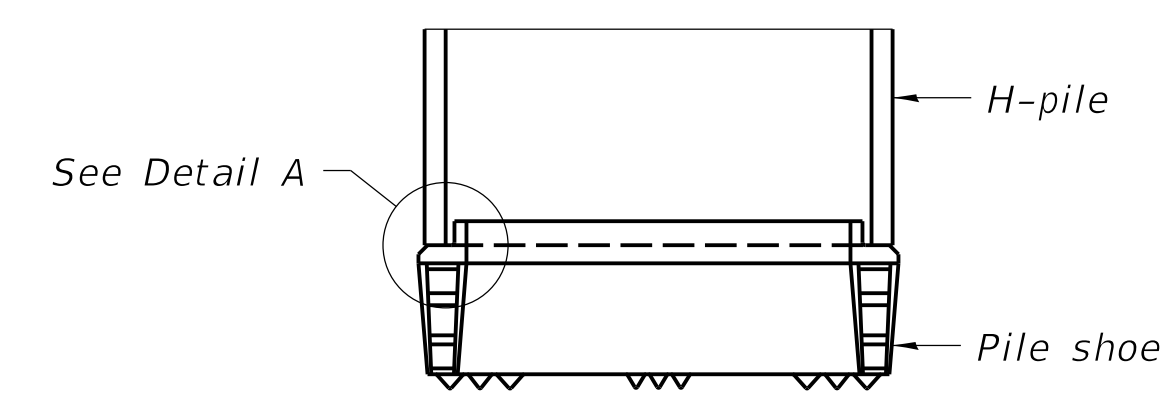
END VIEW



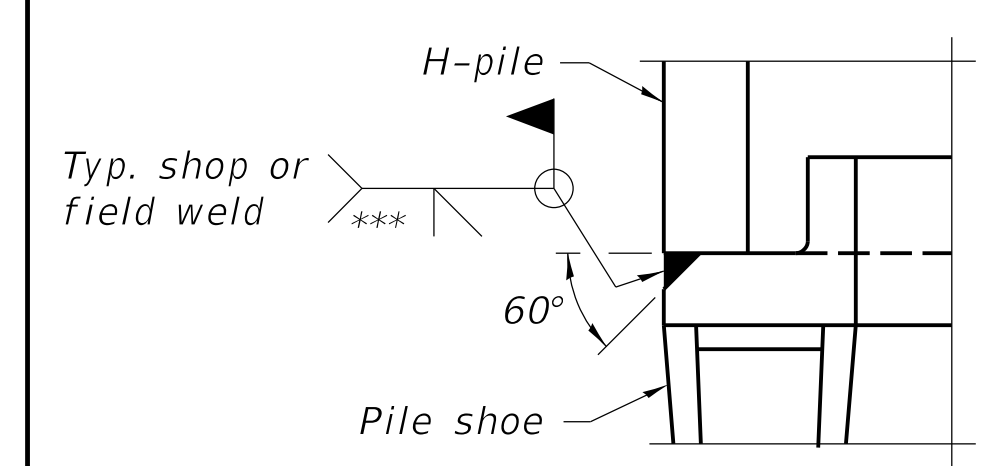
DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"



ELEVATION



DETAIL A

SHOE ATTACHMENT

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.



GONZALEZ COMPANIES, LLC
7 CARPENTER DRIVE
SALEM, IL 62881
PHONE (618) 222-2221
www.gonzalezcos.com
ILLINOIS PROFESSIONAL DESIGN FIRM 184.004564

DESIGNED -	BLT	REVISED -	
DRAWN -	JN, JMW	REVISED -	
CHECKED -	GLH	REVISED -	
DATE -	12/15/2020	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

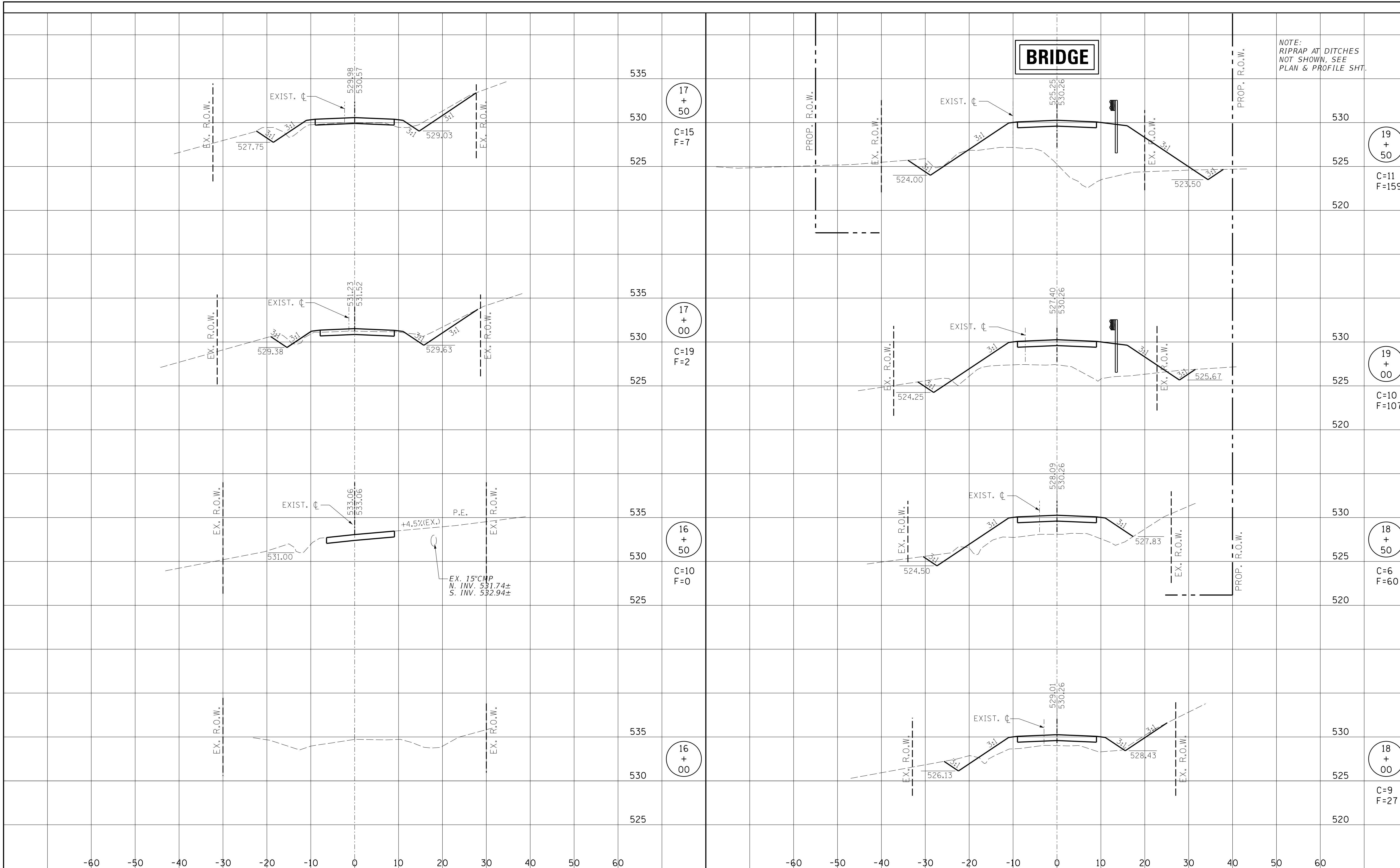
HP PILE DETAILS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 312	17-20129-00-BR	FAYETTE	12	9
			CONTRACT NO. 95888	

GCL JOB NO. 20-622

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

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



NOTE:
RIPRAP AT DITCHES
NOT SHOWN, SEE
PLAN & PROFILE SHT.

BRIDGE

17
+
50

C=15
F=7

17
+
00

C=19
F=2

16
+
50

C=10
F=0

16
+
00

19
+
50

C=11
F=159

19
+
00

C=10
F=107

18
+
50

C=6
F=60

18
+
00

C=9
F=27

EX. 15' CMP
N. INV. 531.74±
S. INV. 532.94±

+4.5%(EX.)

P.E.



GONZALEZ COMPANIES, LLC
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DESIGNED - BLT
DRAWN - JN, JMW
CHECKED - BLT
DATE - 12/15/2020

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS OF ROADWAY

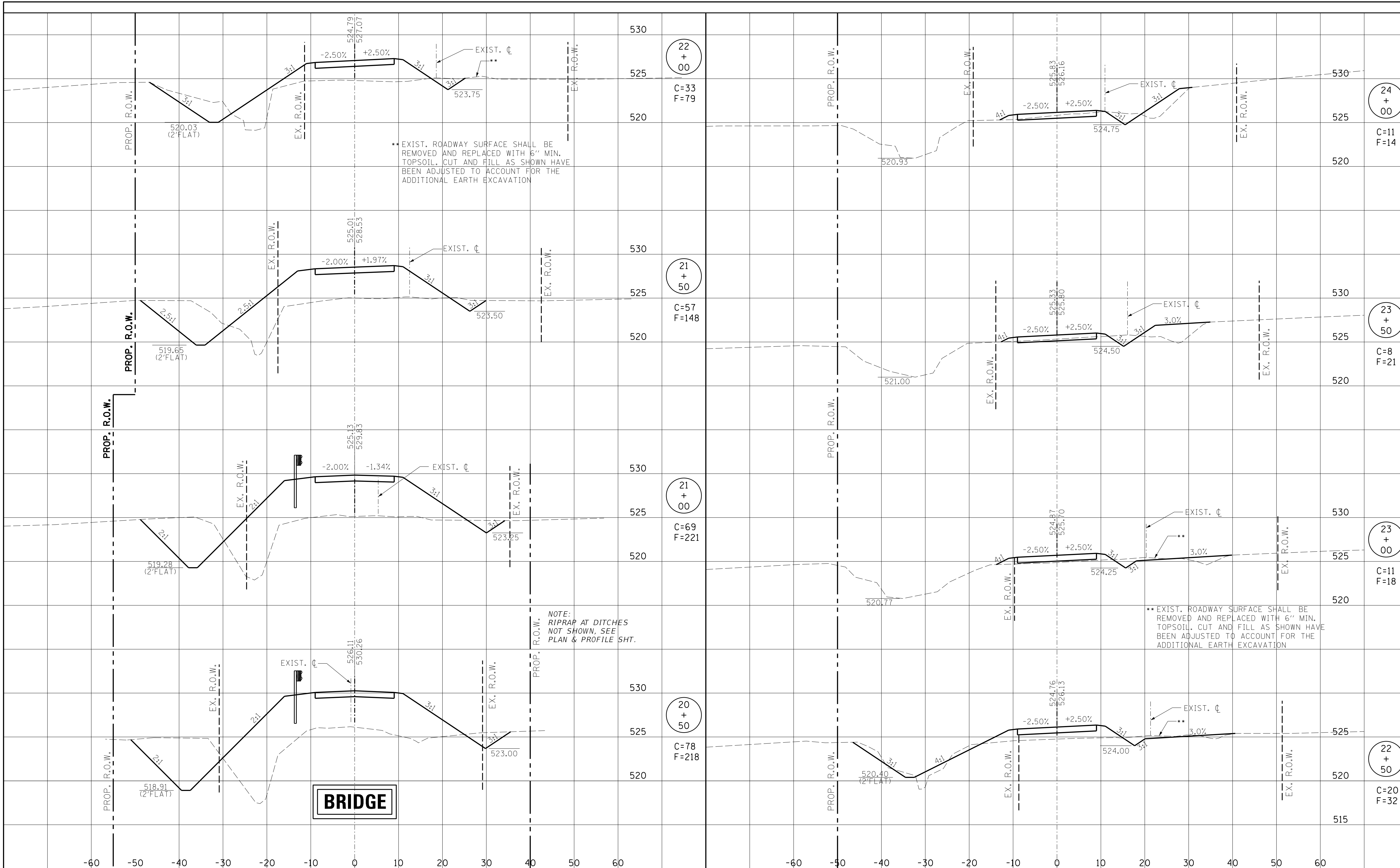
STA. 16+00 TO STA. 19+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 312	17-20129-00-BR	FAYETTE	12	10
				CONTRACT NO. 95888

GCL JOB NO. 20-622

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



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DESIGNED - BLT
 DRAWN - JN, JMW
 CHECKED - BLT
 DATE - 12/15/2020

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS OF ROADWAY

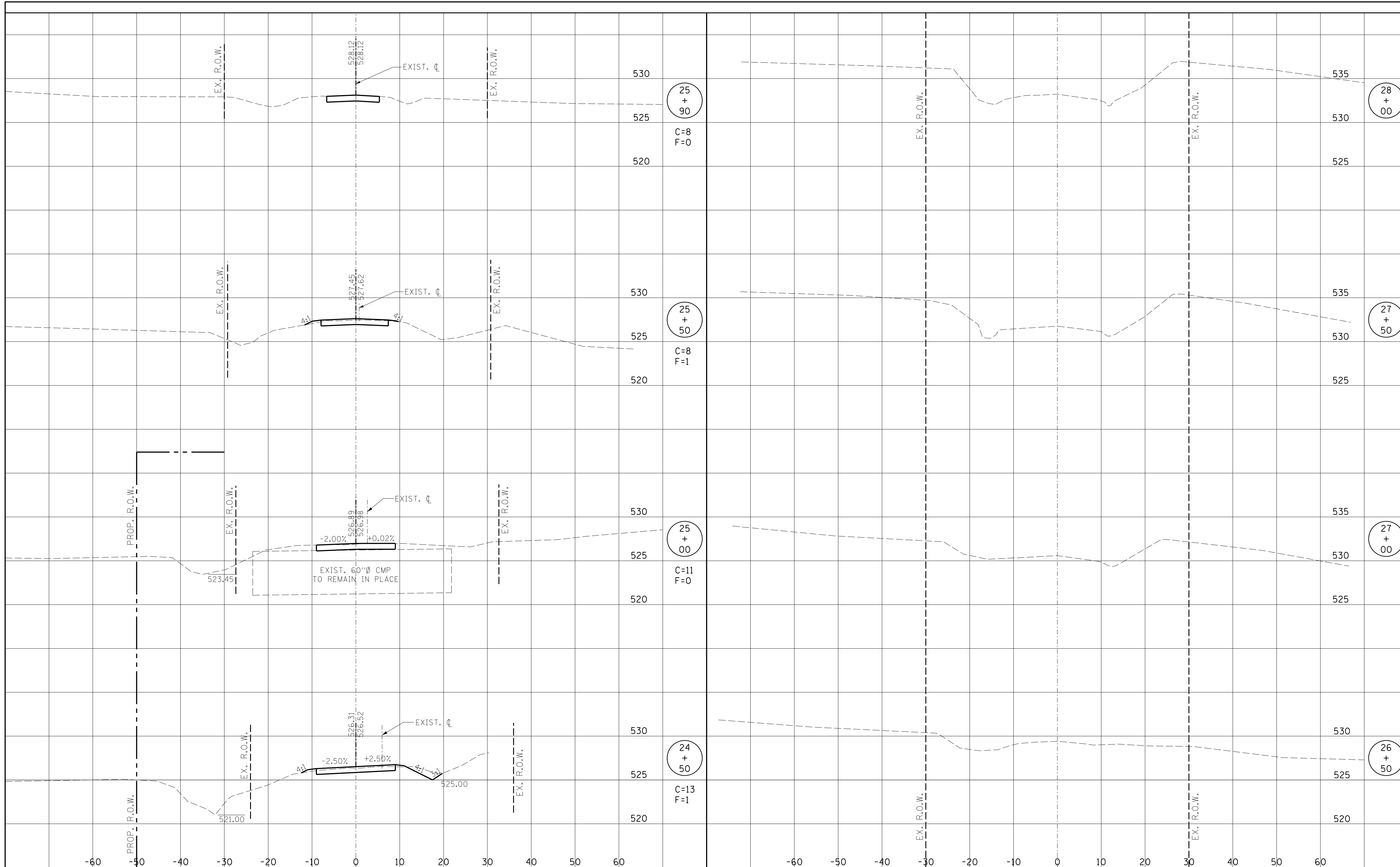
STA. 20+50 TO STA. 24+00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 312	17-20129-00-BR	FAYETTE	12	11
CONTRACT NO. 95888				

GCL JOB NO. 20-622

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

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



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 ILLINOIS PROFESSIONAL DESIGN FIRM 184.004564

DESIGNED	-	BLT	REVISED	-
DRAWN	-	JN, JMW	REVISED	-
CHECKED	-	BLT	REVISED	-
DATE	-	12/15/2020	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS OF ROADWAY

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 312	17-20129-00-BR	FAYETTE	12	12
			CONTRACT NO. 95888	

STA. 24+50 TO STA. 28+00

GCL JOB NO. 20-622