

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8430	15-00067-00-BR	FAYETTE	22	1
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT		
CONTRACT NO. 95807				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

ROUTE FAU 8430 (THRILL HILL RD) OVER BEAR CREEK
SECTION 15-00067-00-BR
PROJECT NO. M-5068(031)
STRUCTURE REPLACEMENT
CITY OF VANDALIA
FAYETTE COUNTY
JOB NO. C-97-013-16

INDEX OF SHEETS

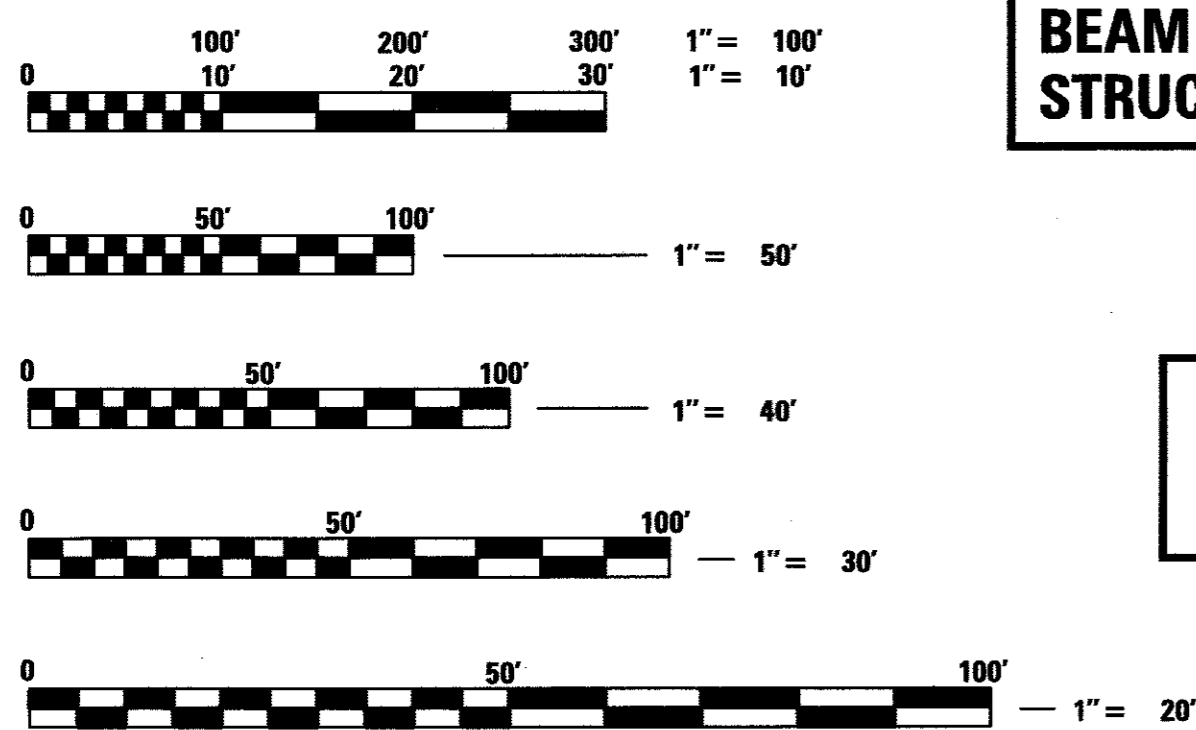
- 1 COVER SHEET
- 2 GENERAL NOTES, COMMITMENTS AND HIGHWAY STANDARDS
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTIONS, REFERENCE TIES, AND DETAILS
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- 10 27x48 PPC DECK BEAM
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- 14 HP PILE DETAILS
- 15-16 SOIL BORING LOGS
- 17-22 CROSS SECTIONS STANDARDS

FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

PROJECT DESCRIPTION

THE WORK IN THIS SECTION INCLUDES THE CONSTRUCTION OF A SINGLE SPAN REPLACEMENT BRIDGE 28'-0" WIDE, 68'-0" BK-BK ABUTMENT, USING PRECAST PRESTRESSED CONCRETE DECK BEAMS AND SPILL-THROUGH ABUTMENTS. INCLUDED IS CONSTRUCTION OF ROADWAY APPROACHES AND OTHER INCIDENTAL CONSTRUCTION WORK NECESSARY TO COMPLETE THIS SECTION.

EXISTING S.N. 026-3285
 PROPOSED S.N. 026-6013

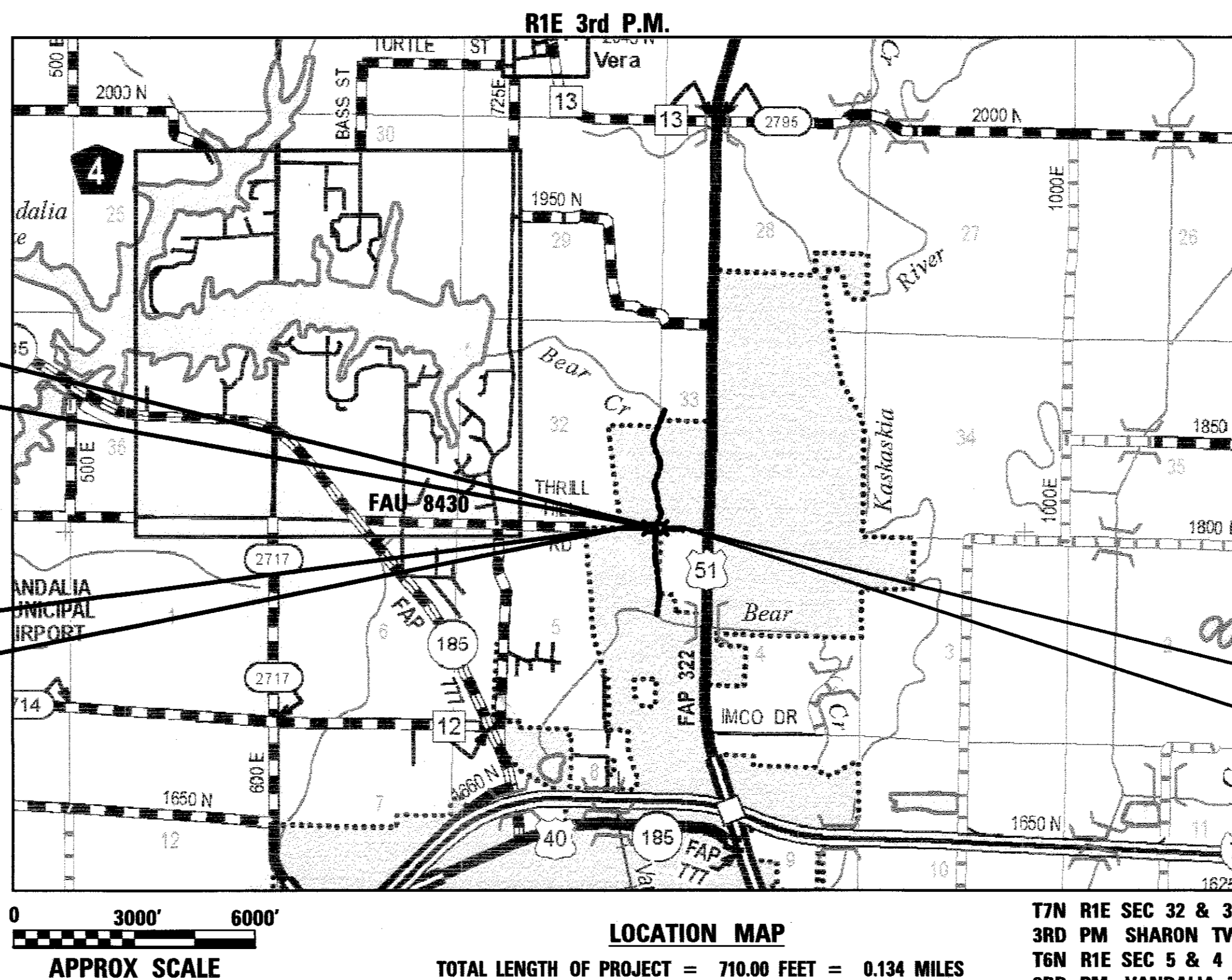


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123 SHARON & VANDALIA TOWNSHIP

CONTRACT NO. 95807

PROJECT ENGINEER:
 SQUAD LEADER:



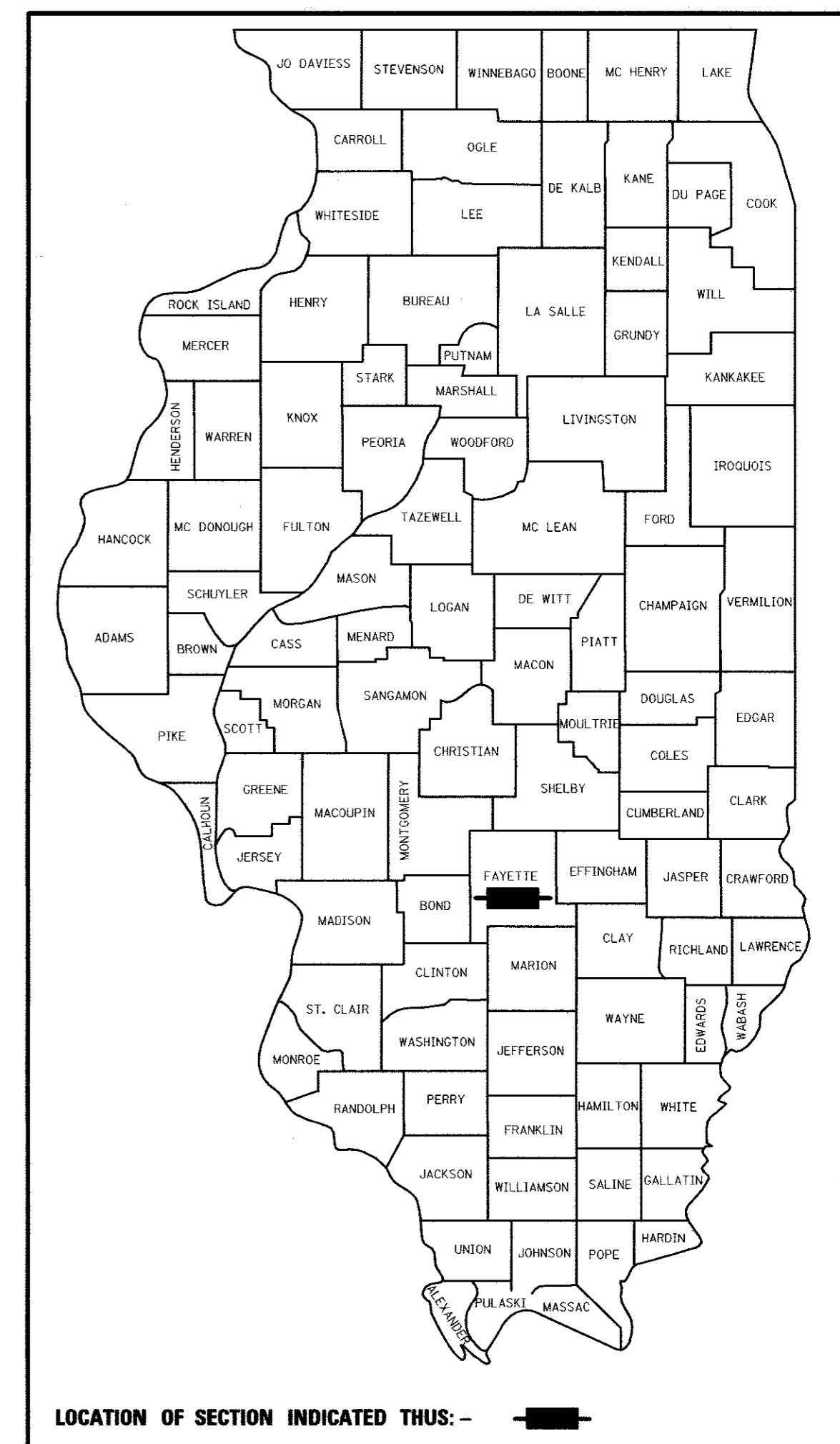
STA 103 + 50, 10° SKEW LT SINGLE SPAN 27" PPC DECK BEAM BRIDGE 68'-0" LENGTH STRUCTURE NO. 026-6013

BEGIN CONSTRUCTION STA 100 + 00.00

END CONSTRUCTION STA 107 + 10.00

DESIGN DESIGNATION

FAU 8430 (THRILL HILL RD)
 LOCAL (MAJOR COLLECTOR)
 CURRENT ADT=700
 DESIGN SPEED: 50 MPH



LOCATION OF SECTION INDICATED THUS: - [Symbol] -

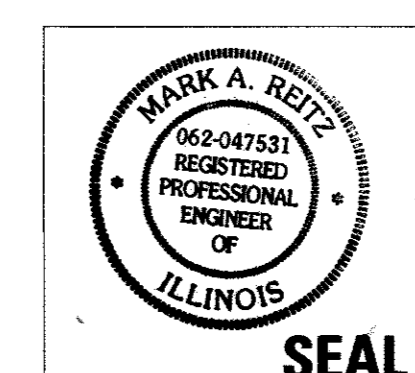
APPROVED 01-17-17 DATE 2017
 [Signature] MAYOR

Passed 21 February DATE 2017
 [Signature] DISTRICT 7 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW 21 February DATE 2017
 [Signature] REGION FOUR ENGINEER

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



[Signature] 01-17-17
MARK A. REITZ P.E. #062-047531 DATE
 LICENSE EXPIRES: NOVEMBER 30, 2017
HURST-ROSCHKE, INC.

GENERAL NOTES

- THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016, AND THE SPECIAL PROVISIONS.
- ALL STATIONING REFERS TO THE CENTERLINE OF NEW CONSTRUCTION
- THE EXISTING ROAD SHALL REMAIN CLOSED TO THROUGH TRAFFIC DURING CONSTRUCTION; SEE SPECIAL PROVISIONS.
- THE HIGHWAY STANDARD NUMBERS LISTED SHALL NOT BE SUPERCEDED BY LATER REVISIONS OF THE STANDARDS LISTED IN THE PLANS.
- THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM AVAILABLE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. FIELD MARKING OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 48 HOURS ADVANCE NOTICE TO J.U.L.I.E. @ (800) 892-0123.
- THE FOLLOWING CONSTANTS WERE USED IN THE CALCULATIONS OF QUANTITIES FOR THIS PROJECT.
 AGGREGATE BASE AND SURFACES COURSES - 2.05 TONS/CU YD
 HOT-MIX ASPHALT - 112 LBS/SQ YD/IN
 BITUMINOUS MATERIALS - 0.025 LB/SQ FT (TACK COAT) - 0.25 LB/SQ FT (PRIME COAT ON AGG BASE)
- REMOVAL OF EXISTING BITUMINOUS SURFACE (OIL AND CHIP), AGGREGATE BASE COURSE AND AGGREGATE SHOULDERS SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.
- TWO (2) "ROAD MAY FLOOD" SIGNS WITH POSTS (W8-18, 36"x36") SHALL BE PLACED ALONG THRILL HILL ROAD AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- REMOVAL OF EXISTING DRIVEWAY PIPE CULVERTS SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 515001-03 NAME PLATE FOR BRIDGES
- 630001-11 STEEL PLATE BEAM GUARDRAIL
- 630301-07 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631032-09 TRAFFIC BARRIER TERMINAL, TYPE 6A
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701901-06 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS
- 720011-01 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
- 725001-01 OBJECT AND TERMINAL MARKERS
- 729001-01 APPLICATIONS OF TYPE A & B METAL POSTS (FOR SIGNS & MARKERS)
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL HIGHWAYS

COMMITMENTS

- TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30.

HOT-MIX ASPHALT MIXTURE TABLES

MIXTURE USE:	SURFACE COURSE
PG:	PG 64-22
RAP (MAX) %:	10%
DESIGN AIR VOIDS:	4% @ N _{DESIGN} = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 OR IL-12.5
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHT:	112 LB/SQ YD/IN

MIXTURE USE:	BINDER COURSE
PG:	PG 64-22
RAP %:	10%
DESIGN AIR VOIDS:	4% @ N _{DESIGN} = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0
FRICTION AGGREGATE:	N/A
MIXTURE WEIGHT:	112 LB/SQ YD/IN

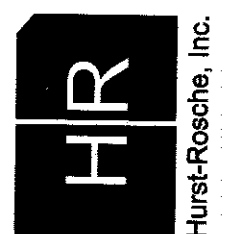
UTILITY OWNERS

WATER: CITY OF VANDALIA **TELEPHONE:** AT&T ILLINOIS
 201 EAST JACKSON 203 GOETHE
 VANDALIA, ILLINOIS 62471 COLLINSVILLE, ILLINOIS 62234
 (618) 283-0111 (618) 346-6400

GAS: AMEREN ILLINOIS **CABLE TV:** NEW WAVE COMMUNICATIONS
 CONSTRUCTION DEPARTMENT 318 N 4TH STREET
 DECATUR, ILLINOIS VANDALIA, ILLINOIS 62471-2312
 1-800-892-7715 (618) 283-9630

POWER: AMEREN ILLINOIS **JULIE (800)-892-0123**
 500 EAST BROADWAY 3RD PM SHARON TWP
 EAST ST. LOUIS, ILLINOIS, 62203 T6N R1E SEC 5 & 4
 1-800-552-7583 3RD PM VANDALIA TWP

HURST-ROSCHE, INC.
 HILLSBORO, ILLINOIS 62049
 PHONE (217)532-3859
 JOB NO. 170-3435



FILE NAME =	USER NAME = #USER#	DESIGNED GKM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, COMMITMENTS AND HIGHWAY STANDARDS		FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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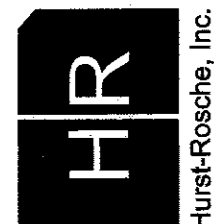
SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	0.25
20200100	EARTH EXCAVATION	CU YD	2210
20300100	CHANNEL EXCAVATION	CU YD	464
20400800	FURNISHED EXCAVATION	CU YD	750
25100630	EROSION CONTROL BLANKET	SQ YD	444
28000305	TEMPORARY DITCH CHECKS	FOOT	14
28000500	INLET AND PIPE PROTECTION	EACH	1
28100107	STONE RIPRAP, CLASS A4	SQ YD	68
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	596
28200200	FILTER FABRIC	SQ YD	507
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	1986
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	425
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	43
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	357
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	132
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	30
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	233
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	888
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	72
50300225	CONCRETE STRUCTURES	CU YD	24.5
50300280	CONCRETE ENCASEMENT	CU YD	3.5
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1847
50800105	REINFORCEMENT BARS	POUND	2315
* 50901050	STEEL RAILING, TYPE SM	FOOT	136
51201600	FURNISHING STEEL PILES HP12X53	FOOT	344
51202305	DRIVING PILES	FOOT	344
51203600	TEST PILE STEEL HP12X53	EACH	1
51500100	NAME PLATES	EACH	1
54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	56

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
* 56109210	WATER VALVES TO BE ADJUSTED	EACH	2
* 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	225
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	2
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2
67100100	MOBILIZATION	LSUM	1
72000100	SIGN PANEL - TYPE 1	SQ FT	18
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
72900100	METAL POST - TYPE A	FOOT	28
X0326565	REPLACEMENT OF BARRIER GATES	EACH	2
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.25
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1

* SPECIALTY ITEM

HURST-ROSCHKE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
JOB NO. 170-3435



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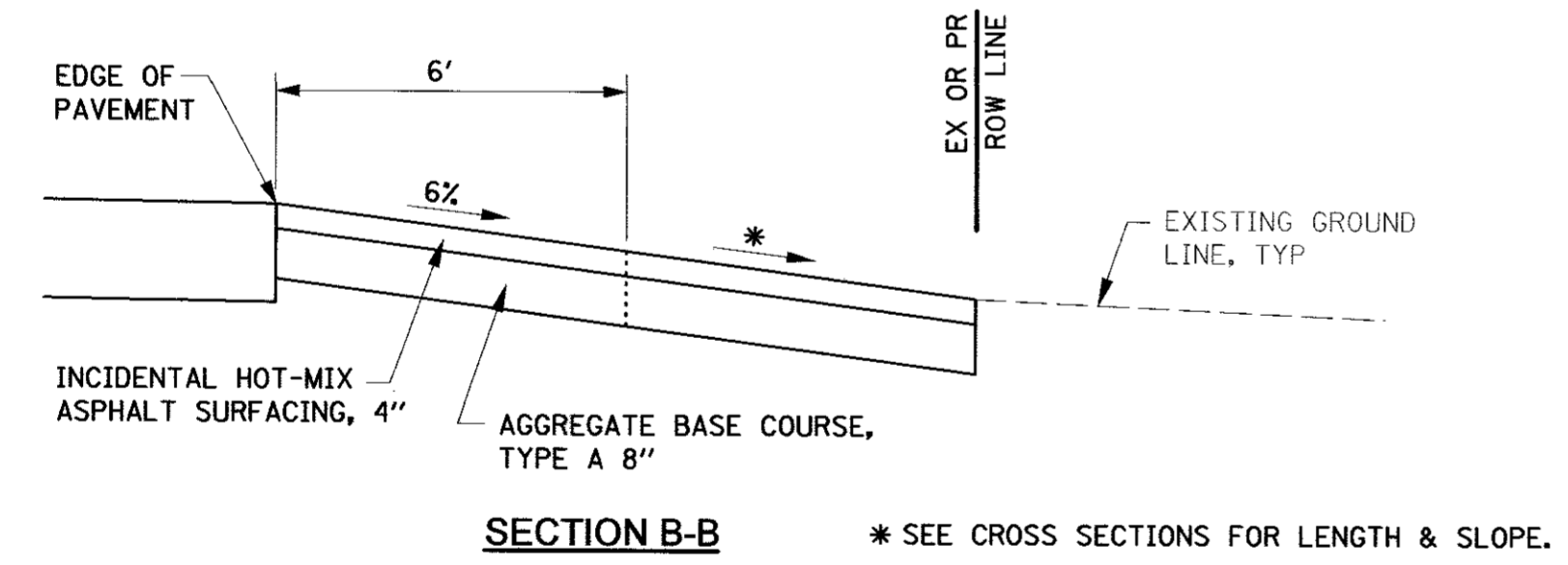
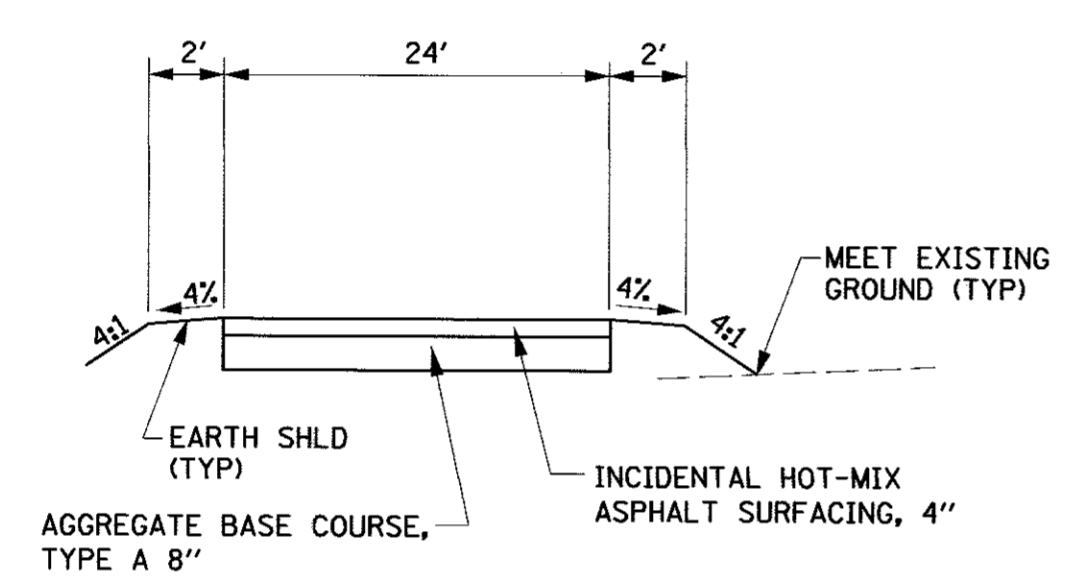
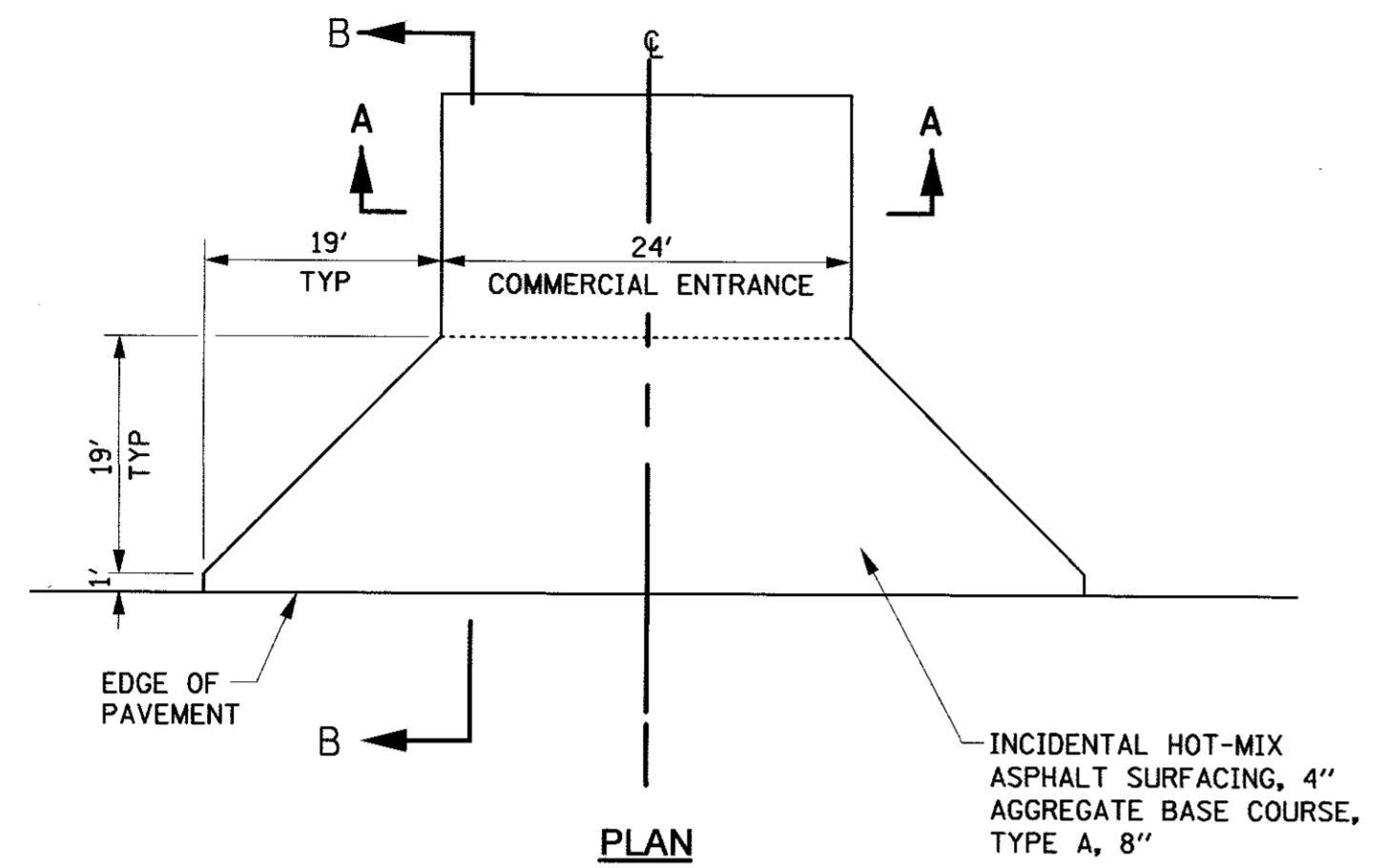
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

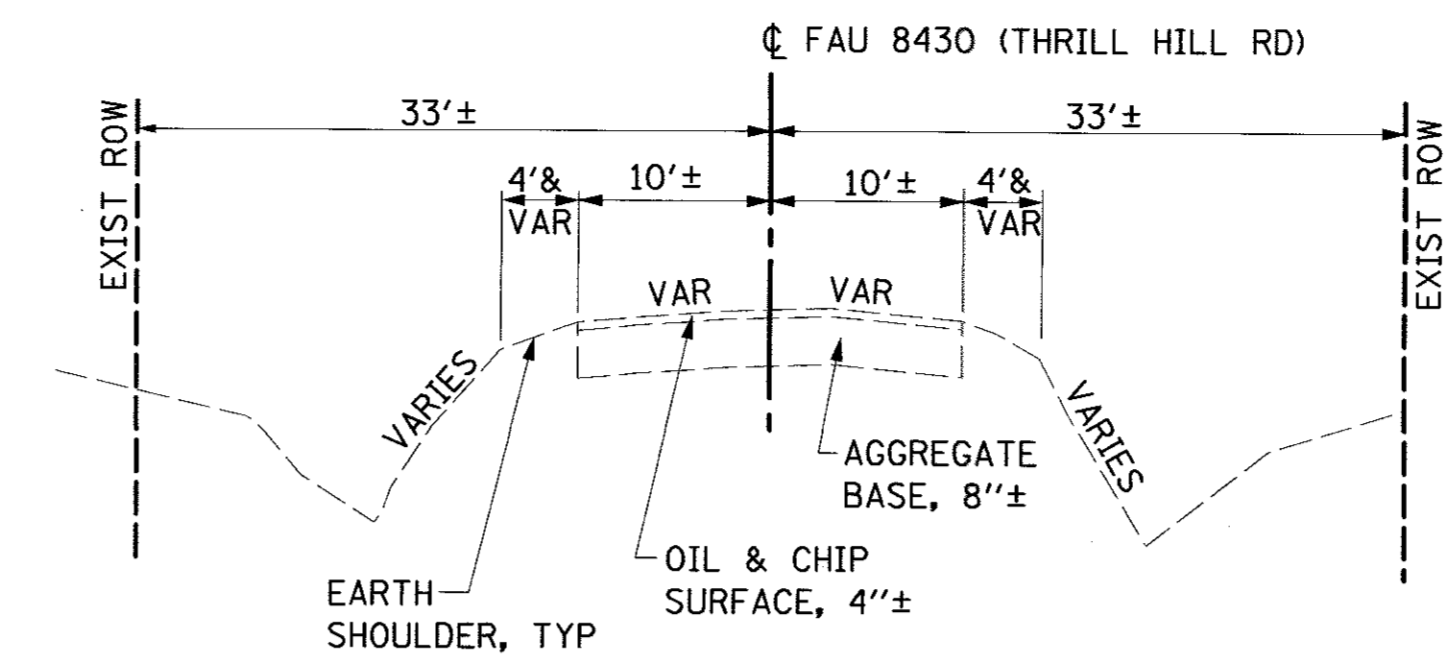
SUMMARY OF QUANTITIES

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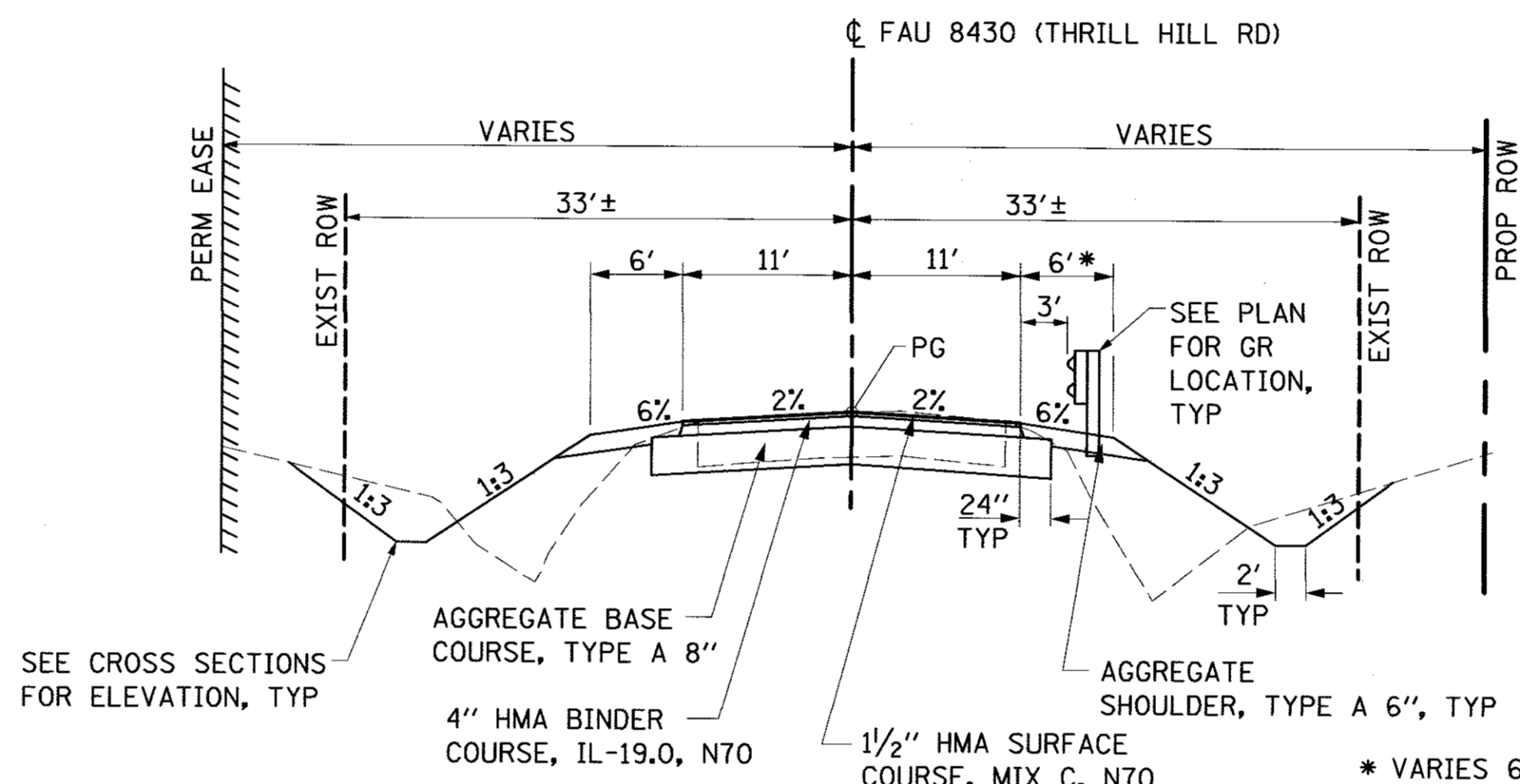
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8430	15-00067-00-BR	FAYETTE	22	3
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 95807	



COMMERCIAL ENTRANCE



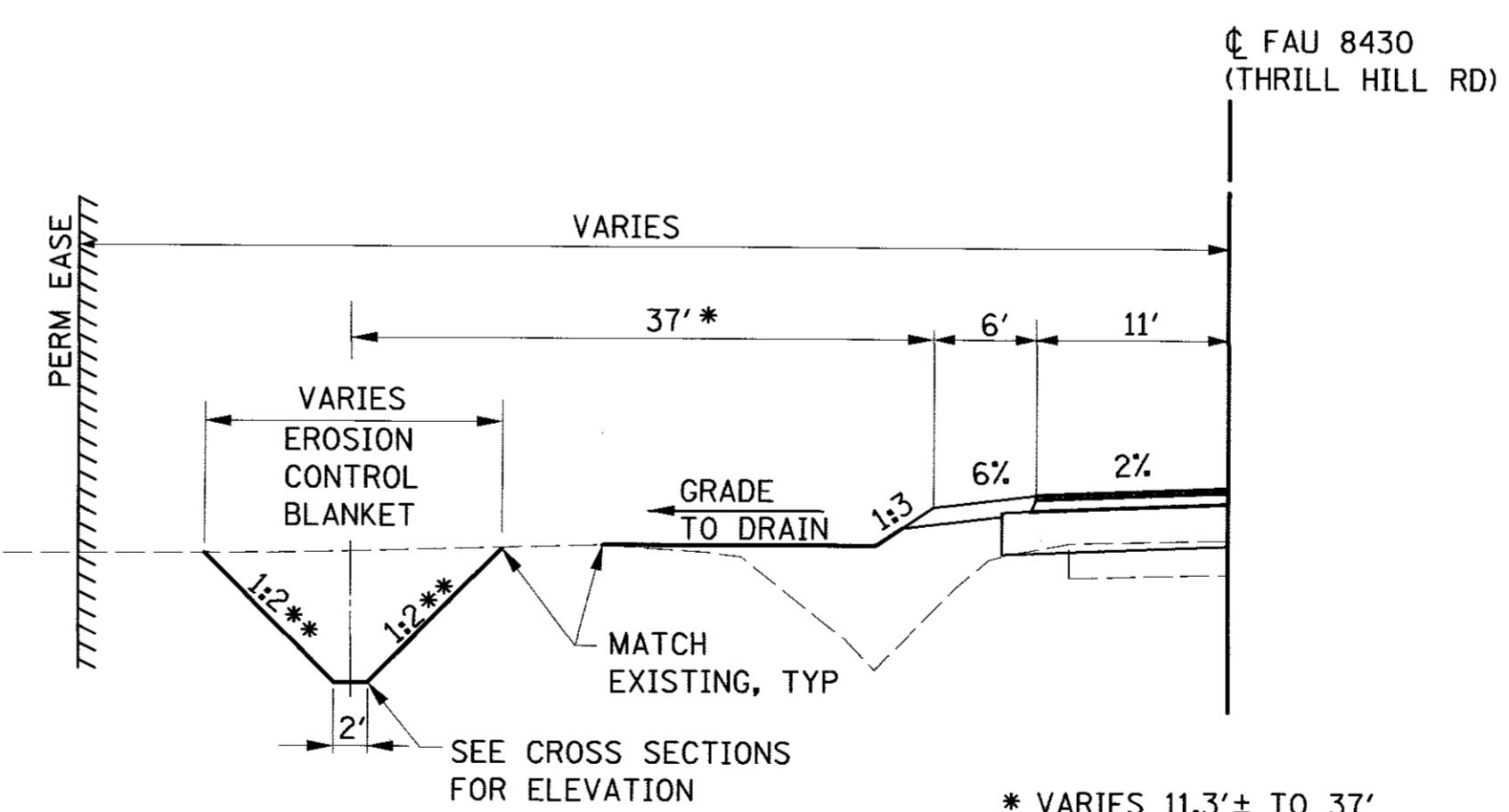
EXISTING TYPICAL SECTION
STA 100+00.00 TO STA 103+36.70
STA 103+80.55 TO STA 107+10.00



PROPOSED TYPICAL SECTION
STA 100+00.00 TO STA 103+16.00
STA 103+84.00 TO STA 107+10.00

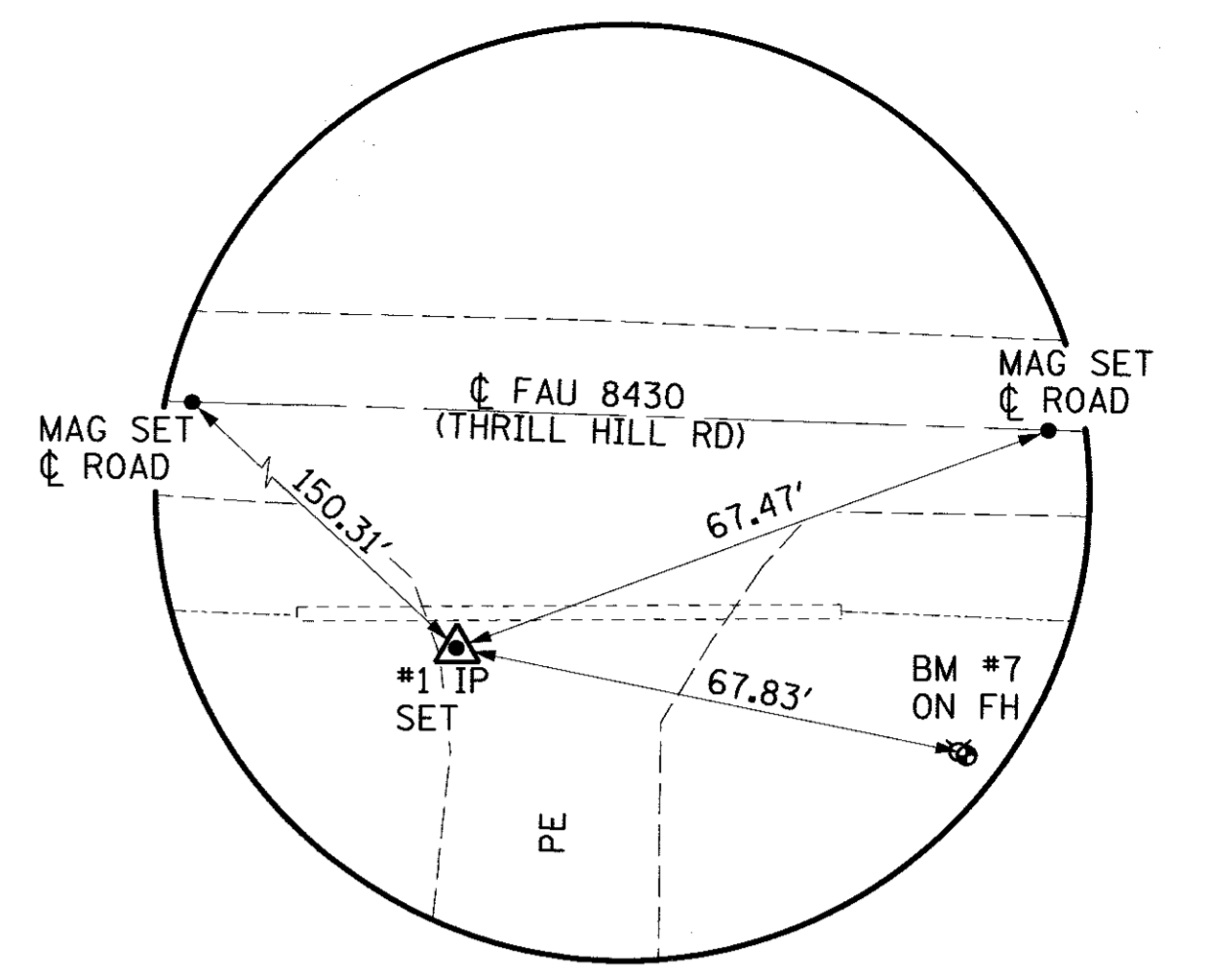
NOTE:
TRANSITION SHOULDERS (2' TO 6'):
STA 99+75.00 TO STA 100+00.00 AND
STA 107+10.00 TO STA 107+35.00

* VARIES 6' TO 18'
STA 105+00 TO STA 106+00
VARIES 18' TO 6'
STA 106+00 TO STA 107+00
AGGREGATE SHOULDER
SHALL REMAIN 6' WIDE.
SEE CROSS SECTIONS.

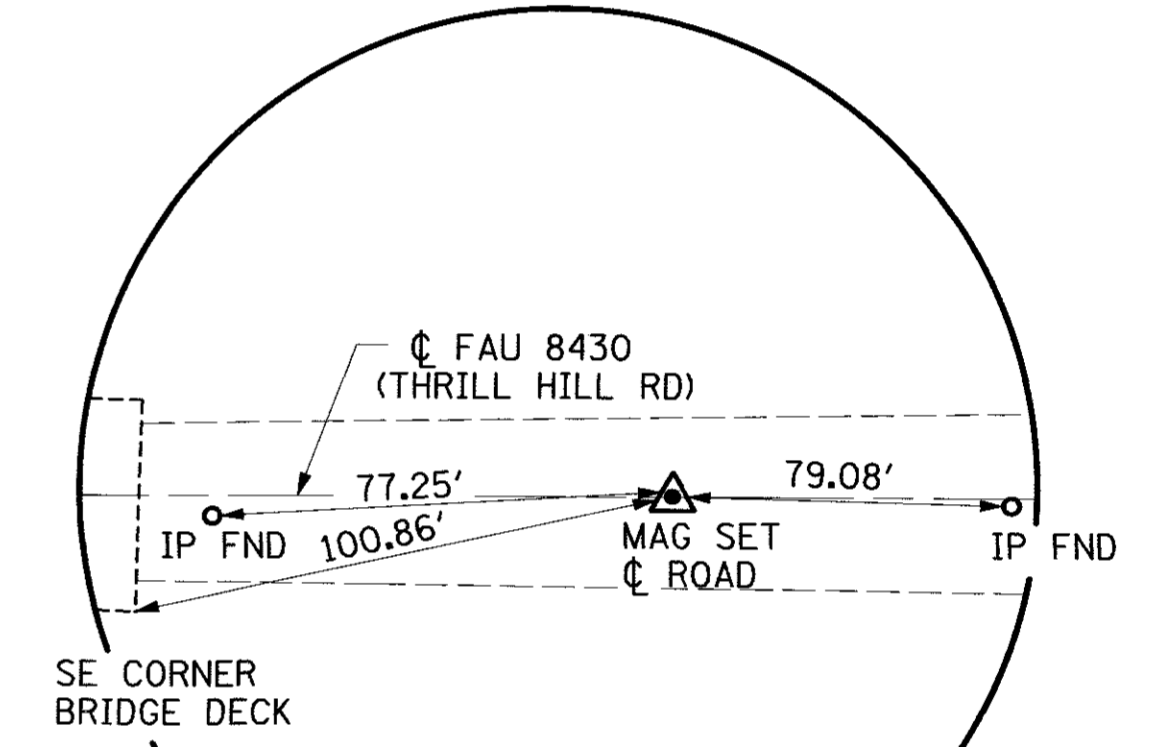


PROPOSED TYPICAL SECTION
RELOCATE EXISTING DITCH (LEFT SIDE)
STA 100+00.00 LT TO STA 103+00.00 LT

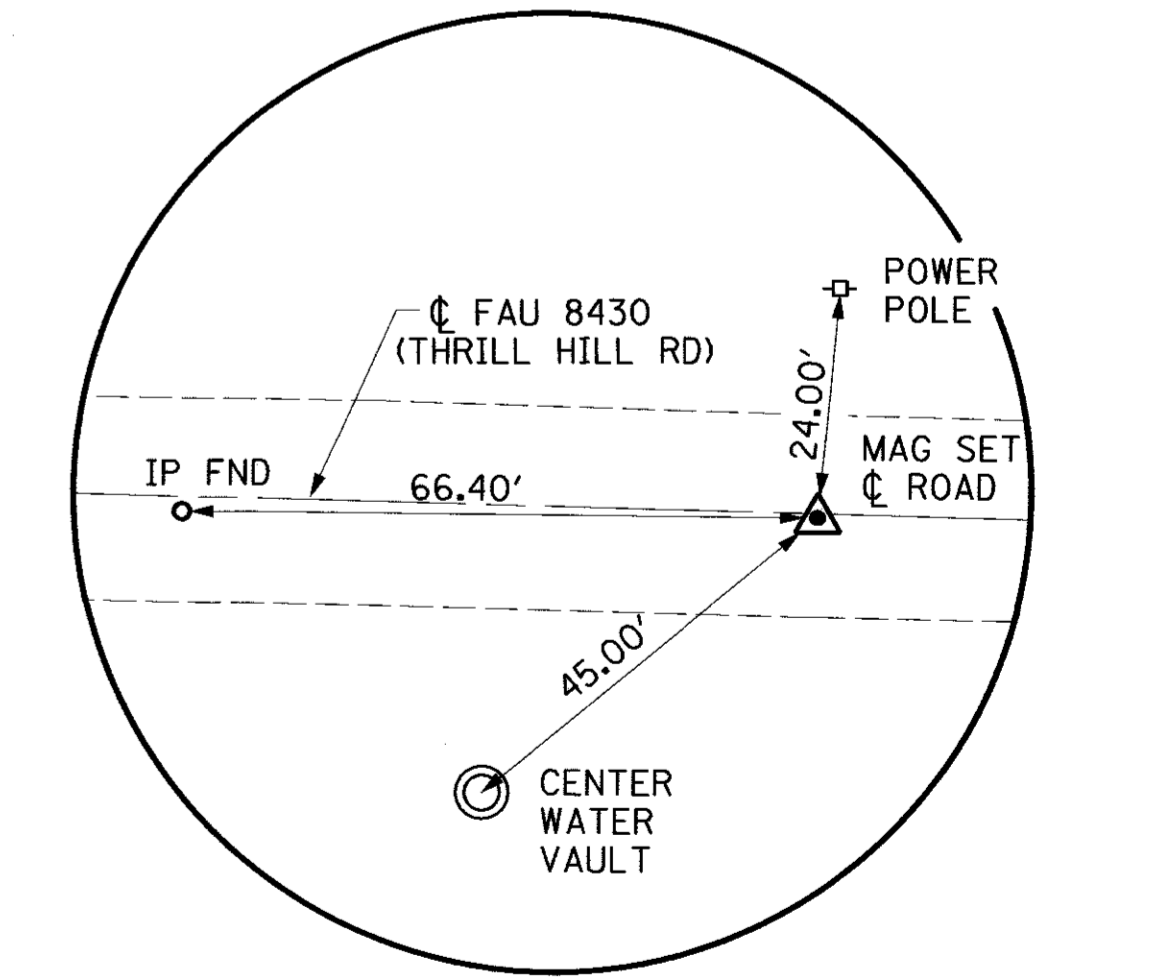
* VARIES 11.3'± TO 37'
STA 100+00 TO STA 101+00
** VARIES 1:3 TO 1:2
STA 100+50 TO STA 101+00



#1 5/8 REBAR SET WITH HR CAP (FLUSH)
STA 101+73.87, 26.21' RT
N 850058.73, E 765298.89

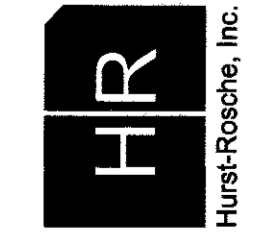


#2 MAG NAIL SET CENTERLINE OF ROAD
STA 104+80.16, 0.25' RT
N 850079.43, E 765605.59



#3 MAG NAIL SET CENTERLINE OF ROAD
STA 106+25.63, 0.09' RT
N 850077.09, E 765751.04

HURST-ROSCHKE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
JOB NO. 170-3435



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	PLOT DATE = #DATE#	DATE 11-06-15	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS, REFERENCE TIES
AND DETAILS

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8430	15-00067-00-BR	FAYETTE	22	4
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 95807	

EARTH EXCAVATION					
Location		Earth Excavation	Excavation to be used in Embankment*	Embankment	Earthwork Balance**
From	To	Cubic Yard	Cubic Yard	Cubic Yard	Cubic Yard
99+75.00	107+35.00	2207	1655	2403	-748
Totals		2207	1655	2403	-748
		USE 2210		USE -750	

- * Adjusted for Shrinkage (25% Shrinkage Assumed)
- ** Waste (+) or Shortage (-)

TREE REMOVAL, ACRES	
Area Designation	Area (AC)
5635	0.13
Use	0.25

CHANNEL EXCAVATION		
Station	Station	Cu Yd
103+16.00	to 103+84.00	464
Total		464

EROSION CONTROL BLANKET				
Begin Station	End Station	Side	Width (ft)	Sq Yd
100+50.00	to 103+00.00	LT	16.0	444
Total				444

TEMPORARY DITCH CHECKS				
Station	Side	O/S (ft)	Foot	
101+00.00	LT	33.5	2	
103+00.00	RT	43.8	2	
103+00.00	LT	45.5	2	
104+00.00	RT	40.0	2	
104+00.00	LT	49.8	2	
106+00.00	RT	29.4	2	
106+00.00	LT	42.7	2	
Total				14

FILTER FABRIC				
Station	Side	Length	Width	Sq Yd
103+00.00	RT	10	15	17
103+00.00	LT	10	15	17
104+00.00	RT	10	15	17
104+00.00	LT	10	15	17
103+10 TO 103+84				439
Total				507

STONE RIPRAP, CLASS A4				
Station	Side	Length	Width	Sq Yd
103+00.00	RT	10	15	17
103+00.00	LT	10	15	17
104+00.00	RT	10	15	17
104+00.00	LT	10	15	17
Total				68

DRIVEWAY PAVEMENT REMOVAL			
Station	Side		Sq Yd
100+54.00	RT		79
101+84.00	RT		154
Total			233

AGGREGATE BASE COURSE, TYPE A 8"			
Station	Station	Width (ft)	Sq Yd
100+00.00	to 103+16.00	26.0	912.9
103+84.00	to 107+10.00	26.0	941.8
100+54.00	RT		131.6
Total			1986.2
Use			1986

INLET AND PIPE PROTECTION			
Station	Side	Offset (ft)	Each
100+29.00	RT	28.0	1
Total			1

BITUMINOUS MATERIALS (PRIME COAT)			
Station	Station		Pound
100+00.00	to 103+16.00		193
103+84.00	to 107+10.00		199
100+84.00	RT		33
Total			425

BITUMINOUS MATERIALS (TACK COAT)			
Station	Station		Pound
100+00.00	to 103+16.00		19.3
103+84.00	to 107+10.00		19.9
100+84.00	RT		3.3
USE			43

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70			
Station	Station		Ton
100+00.00	to 103+16.00		176
103+84.00	to 107+10.00		181
TOTAL			357

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70			
Station	Station		Ton
100+00.00	to 103+16.00		65
103+84.00	to 107+10.00		67
Total			132

INCIDENTAL HOT-MIX ASPHALT SURFACING					
Station	Side	Area (sq ft)	Average Width (ft)	Average Depth (ft)	Tons
100+54.00	RT	1184	24	0.33	29.9
Use					30

AGGREGATE SHOULDERS, TYPE A 6"				
Station	Station	Side		Sq Yd
99+75.00	to 100+32.00	RT		38
100+84.00	to 103+16.00	LT		155
99+75.00	to 103+16.00	RT		227
103+84.00	to 107+35.00	RT		234
103+84.00	to 107+35.00	LT		234
Total				888

PIPE CULVERT, CLASS D, TYPE 1, 18"			
Station	Side	Offset (ft)	Length (ft)
100+58.00	RT	30.0	56
Total			56

WATER VALVES TO BE ADJUSTED			
Station	Side	Offset (ft)	Each
102+40.43	RT	34.7	1
104+59.71	RT	30.5	1
Total			2

FIRE HYDRANTS TO BE ADJUSTED			
Station	Side	Offset (ft)	Each
102+40.43	RT	36.9	1
Total			1

STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS			
Begin Station	End Station	Side	Length (ft)
101+58.00	to 102+70.50	RT	112.5
104+29.00	to 105+41.50	LT	112.5
Total			225

TRAFFIC BARRIER TERMINAL, TYPE 6A			
Station	Side		Each
102+70.50	RT		1
103+84.00	LT		1
Total			2

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED			
Station	Side		Each
101+08.00	RT		1
105+41.50	LT		1
Total			2

SIGN PANEL-TYPE I			
Station	Side	Sign Type	Area (Sq Ft)
98+85.00	RT	W8-18	9
108+15.00	RT	W8-18	9
Total			18

TERMINAL MARKER - DIRECT APPLIED			
Station	Side		Each
101+08.00	RT		1
103+19.50	LT		1
103+80.50	RT		1
105+92.00	LT		1
Total			4

METAL POST-TYPE A			
Station	Side		Length (ft)
098+85.00	RT		14.0
108+15.00	RT		14.0
Total			28.0

SEEDING, CLASS 2 (SPECIAL)				
Station	Station	Side		Acres
100+00.00	to 107+10.00	LT		0.61
100+00.00	to 107+10.00	RT		0.46
Total				1.07
USE				1.25

REPLACEMENT OF BARRIER GATES			
Station	Side		Each
100+58.00	RT		1
101+84.00	RT		1
Total			2

HURST-ROSCHKE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
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	PLOT DATE = #DATE#	DATE -	REVISED -

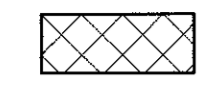


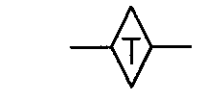
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

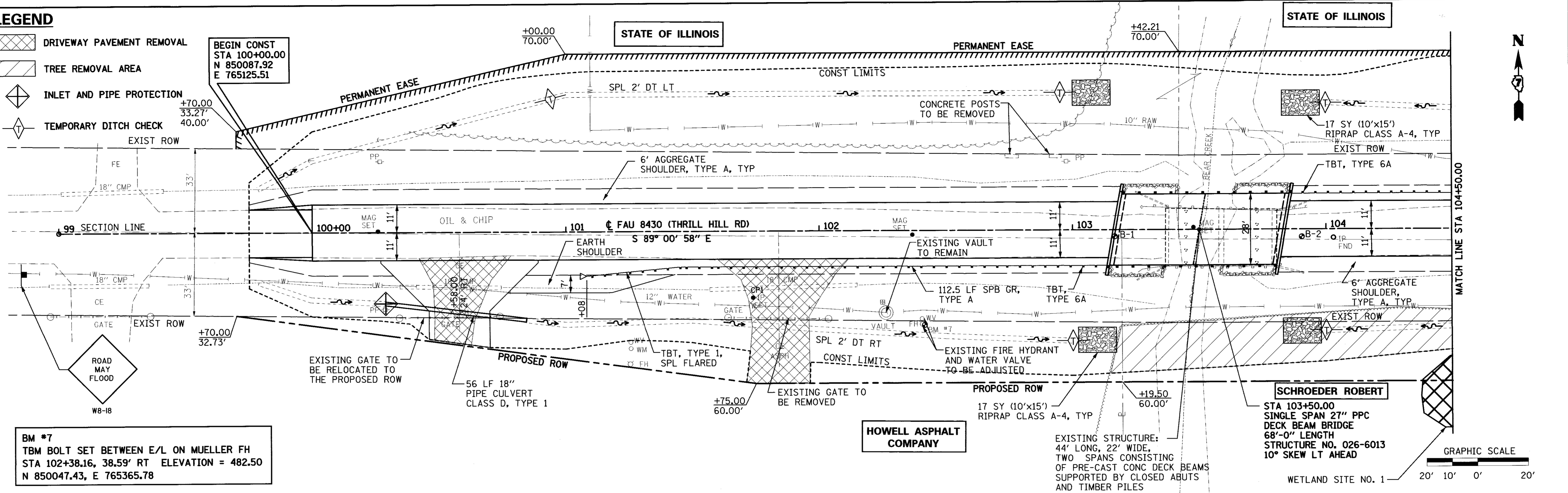
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SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.
NONE			

F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8430	15-00067-00-BR	FAYETTE	22	5
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 95807	

...:\pgh\techn\pgh\pgh_05.dgn 2/17/2017 10:33:15 AM

LEGEND

-  DRIVEWAY PAVEMENT REMOVAL
-  TREE REMOVAL AREA
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK

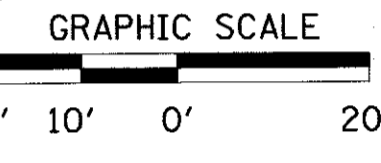


BM #7
TBM BOLT SET BETWEEN E/L ON MUELLER FH
STA 102+38.16, 38.59' RT ELEVATION = 482.50
N 850047.43, E 765365.78

HOWELL ASPHALT COMPANY

SCHROEDER ROBERT
STA 103+50.00
SINGLE SPAN 27' PPC
DECK BEAM BRIDGE
68'-0" LENGTH
STRUCTURE NO. 026-6013
10° SKEW LT AHEAD

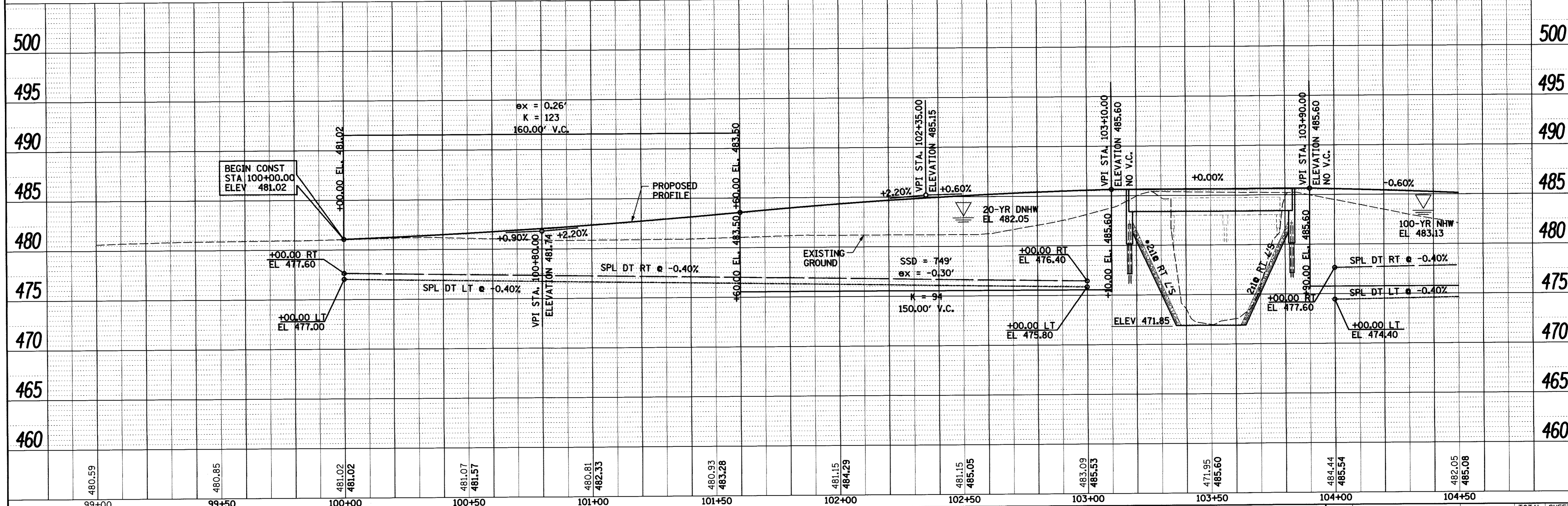
WETLAND SITE NO. 1



PLAN	DATE
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FILE NAME	

HURST-ROSCHKE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3859
JOB NO. 170-3435

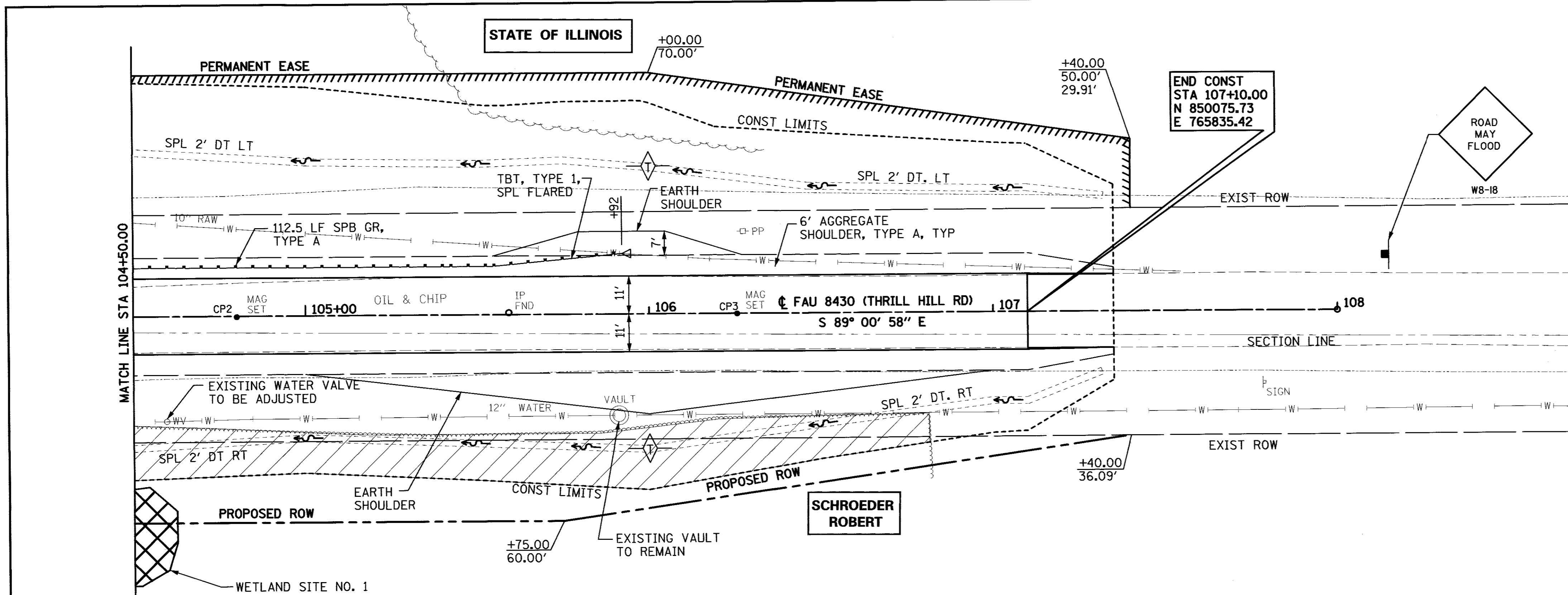
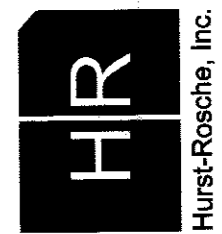


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		DATE - 06-01-16	REVISED -		CONTRACT NO. 95807			ILLINOIS FED. AID PROJECT			

DATE	
BY	
REVISED	
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ALIGNED	
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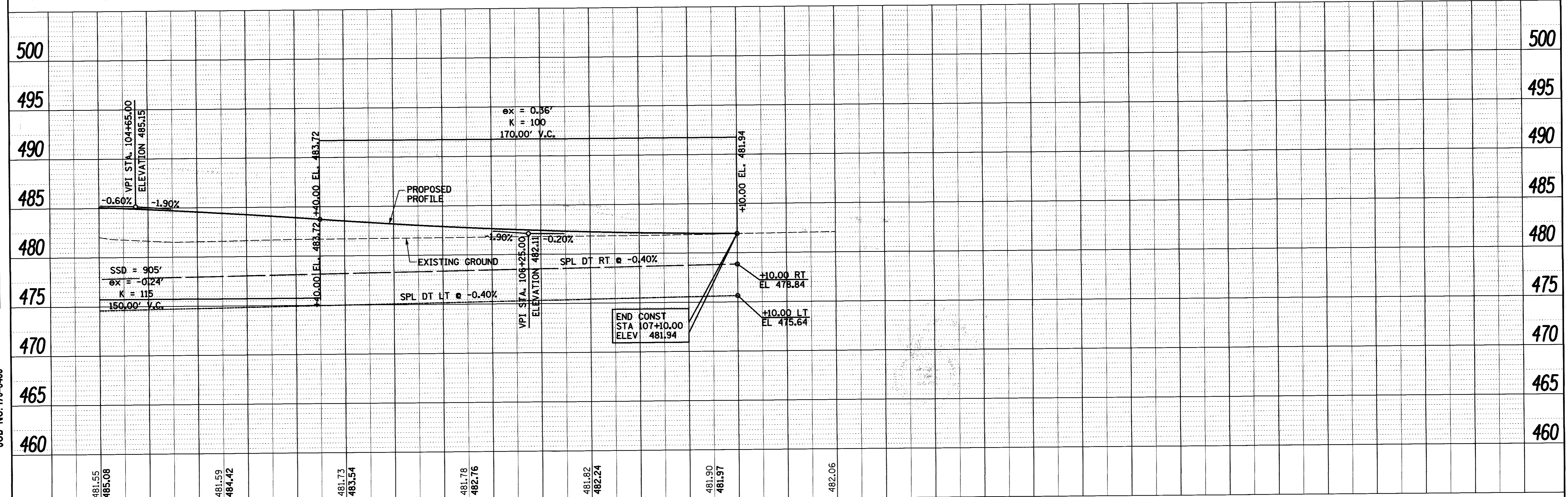
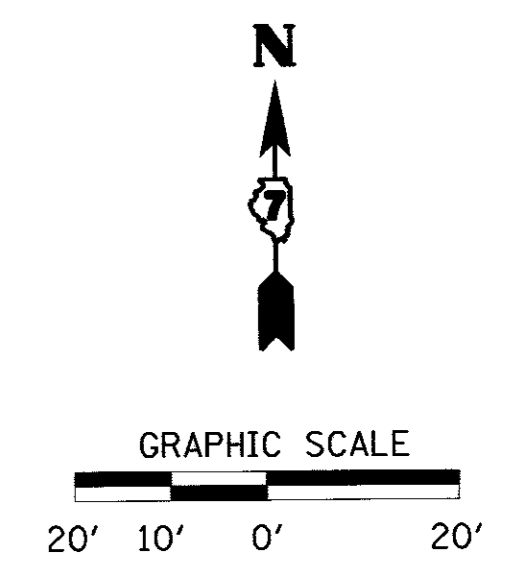
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HURST-ROSCHKE, INC.
 HILLSBORO, ILLINOIS 62049
 PHONE (217) 552-3959
 JOB NO. 170-3435



LEGEND

- TREE REMOVAL AREA
- TEMPORARY DITCH CHECK



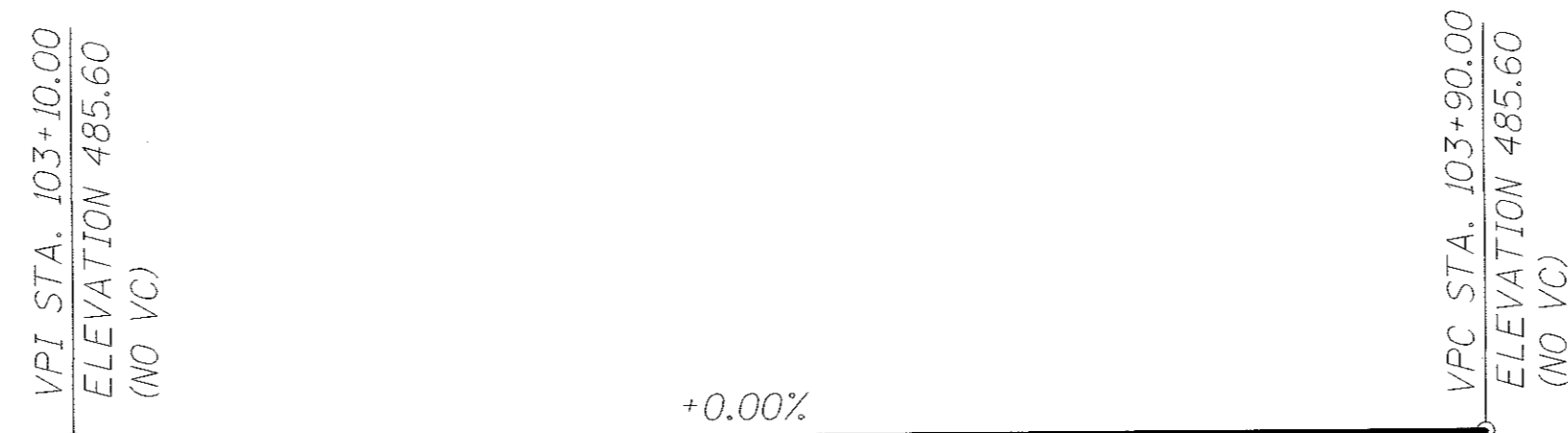
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		DATE - 06-01-16	REVISED -			ILLINOIS FED. AID PROJECT					

HURST-ROSCHKE, INC. 170-3435
 1/11/2007 11:28:30 AM

Benchmark: BM#7 TMB Bolt set between E/L on Mueller FH at Station 102+38.16, 38.59' Rt. Elevation 482.50, N 850047.43, E765365.78

Existing Structure: SN 026-3285 was built in 1974 under Section 15-00067-00. The two-span structure consists of pre-cast concrete deck beams supported by closed abutments and timber pile bent pier with concrete cap. Both abutments are constructed of timber piles and timber leggings with concrete caps. Overall dimensions are 22'-0" wide by 44'-0" long, no skew. The roadway will remain closed to traffic during construction.

No Salvage



WATERWAY INFORMATION

Drainage Area = 26.9 sq. mi. Low Grade Elev. 480.08 @ Sta. 97+72.00

Flood	Freq. Yr.	a C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater E.L.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	20	5050	270	487	482.05	0.46	0.50	482.51	482.55
Base	10	4110	262	471	481.83	0.48	0.47	482.31	482.30
Overtopping	<10	<4110	174	324	N/A	N/A	N/A	480.08	480.08
Max. Calc.	100	7710	283	588	482.50	0.46	0.63	482.96	483.13

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications

DESIGN STRESSES

FIELD UNITS

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

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
fpu = 270,000 psi (1/2" φ low lax. strands)
fpbt = 201,960 psi (1/2" φ low lax. strands)

LOADING HL-93

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

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.226
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.503
Soil Site Class = D

DESIGN SCOUR ELEVATION TABLE

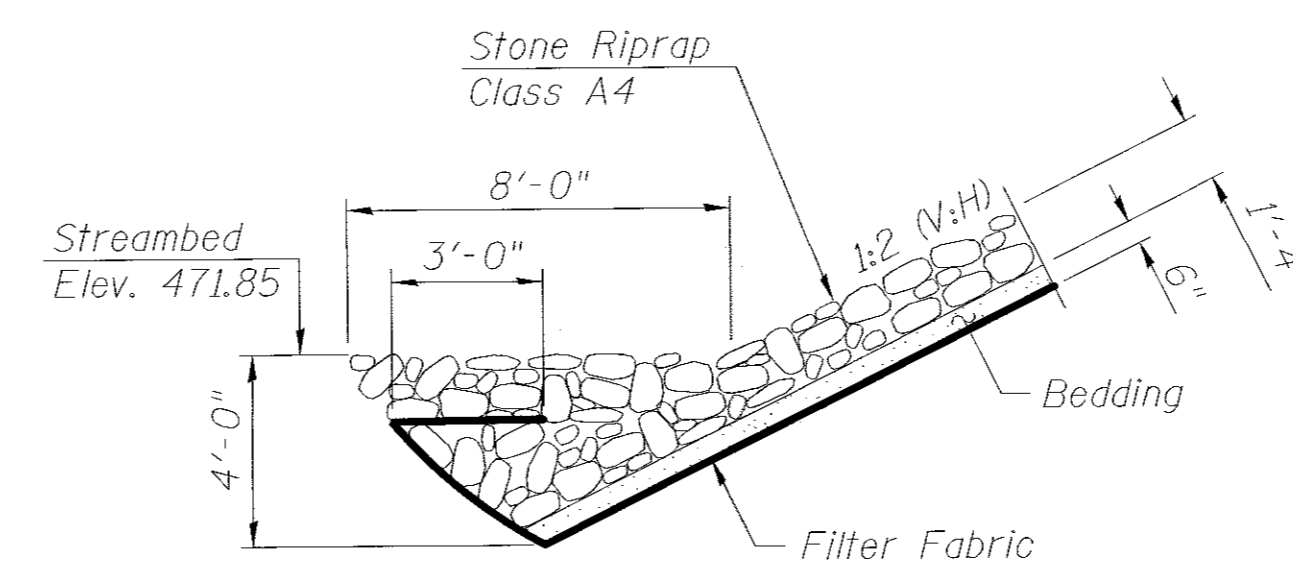
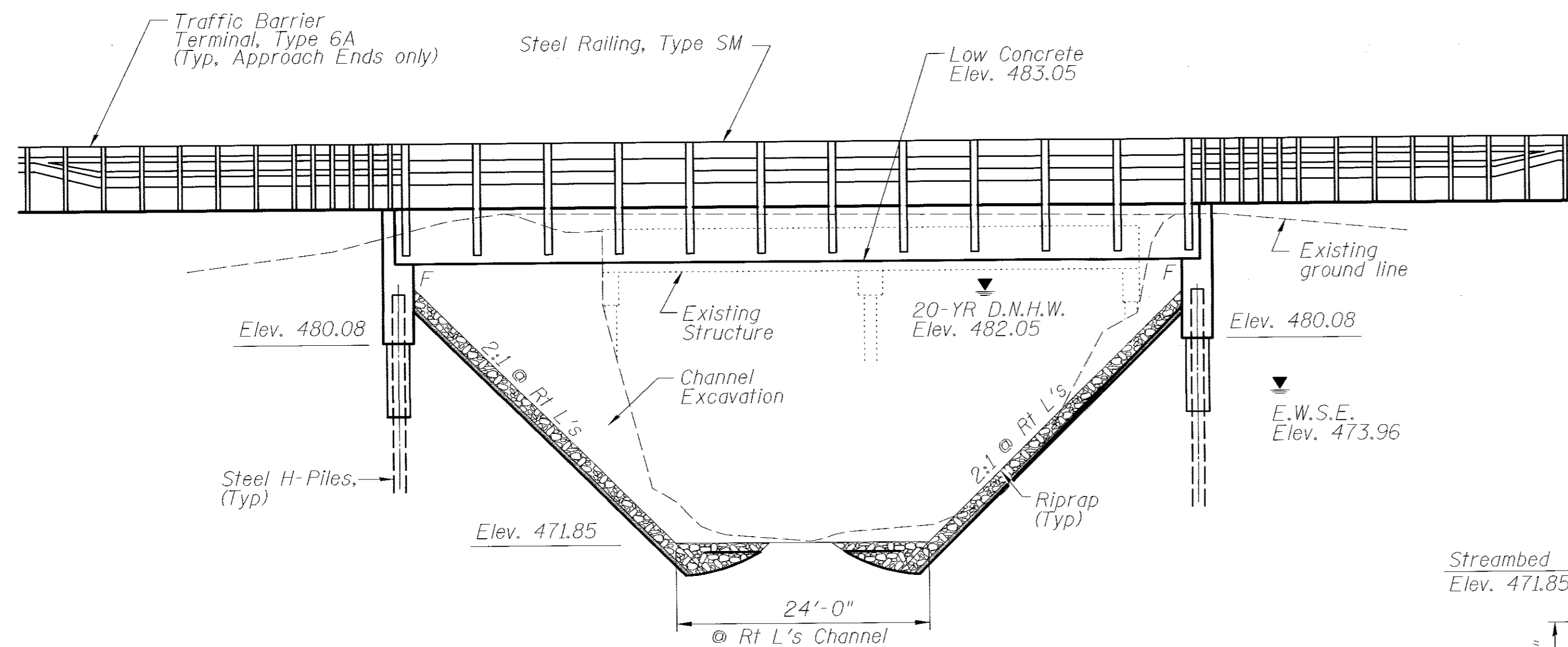
Design Scour Elevation (ft.)	W. Abut. Elevation	E. Abut. Elevation
	480.08	480.08

GENERAL NOTES

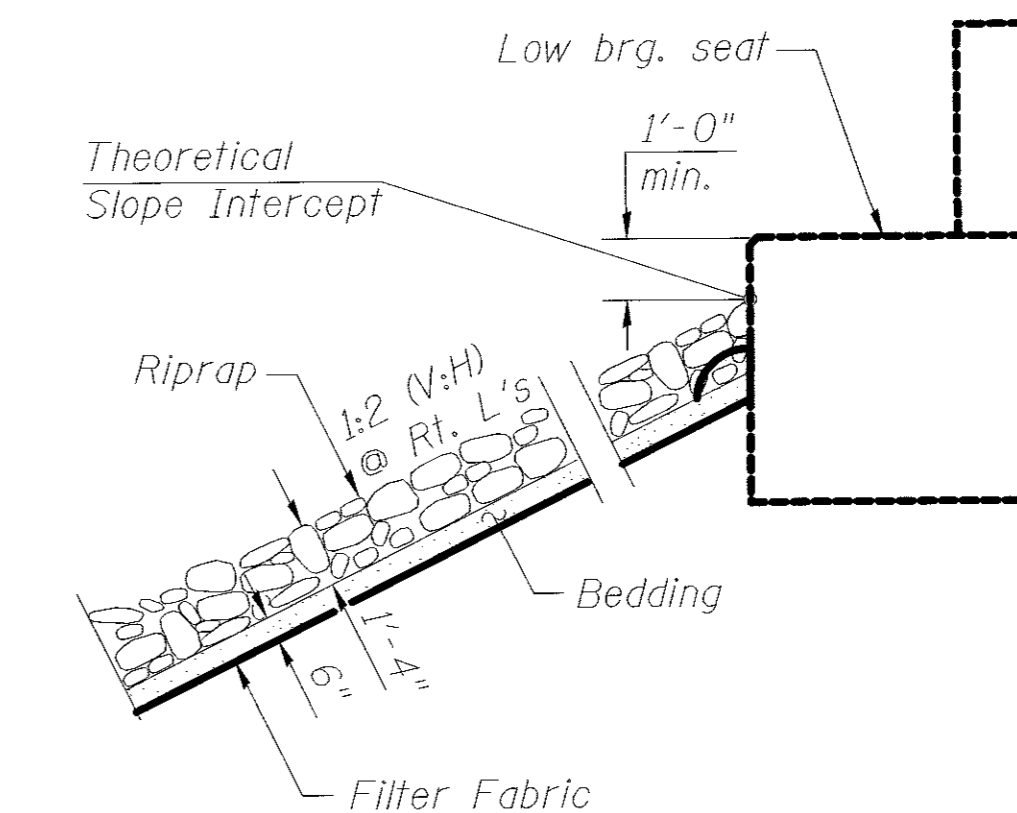
1. Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

INDEX OF SHEETS

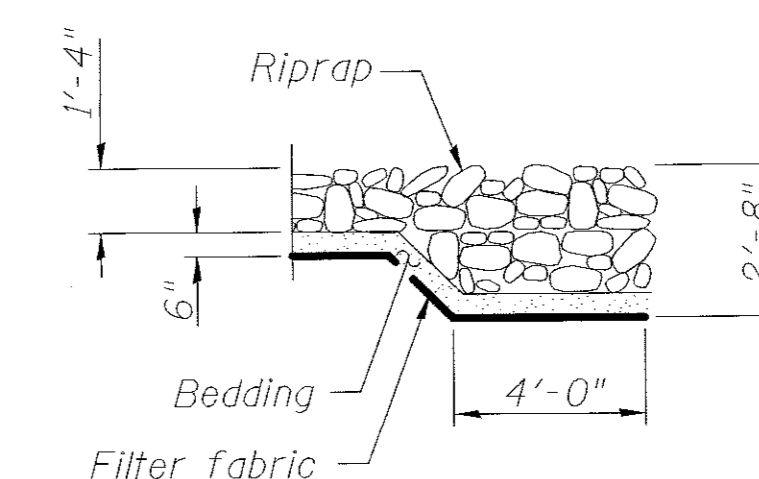
1. General Plan and Elevation
2. Superstructure Plan
3. 27"x48" PPC Deck Beam
4. 27"x48" PPC Deck Beam Details
5. Steel Railing, Type SM
6. Abutments
7. HP Pile Details
8. Soil Boring Logs
9. Soil Boring Logs



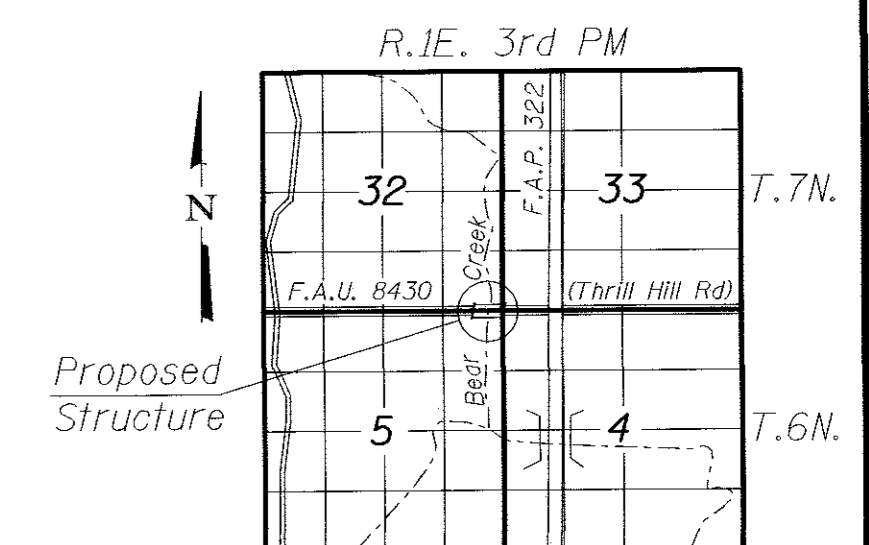
SECTION C-C



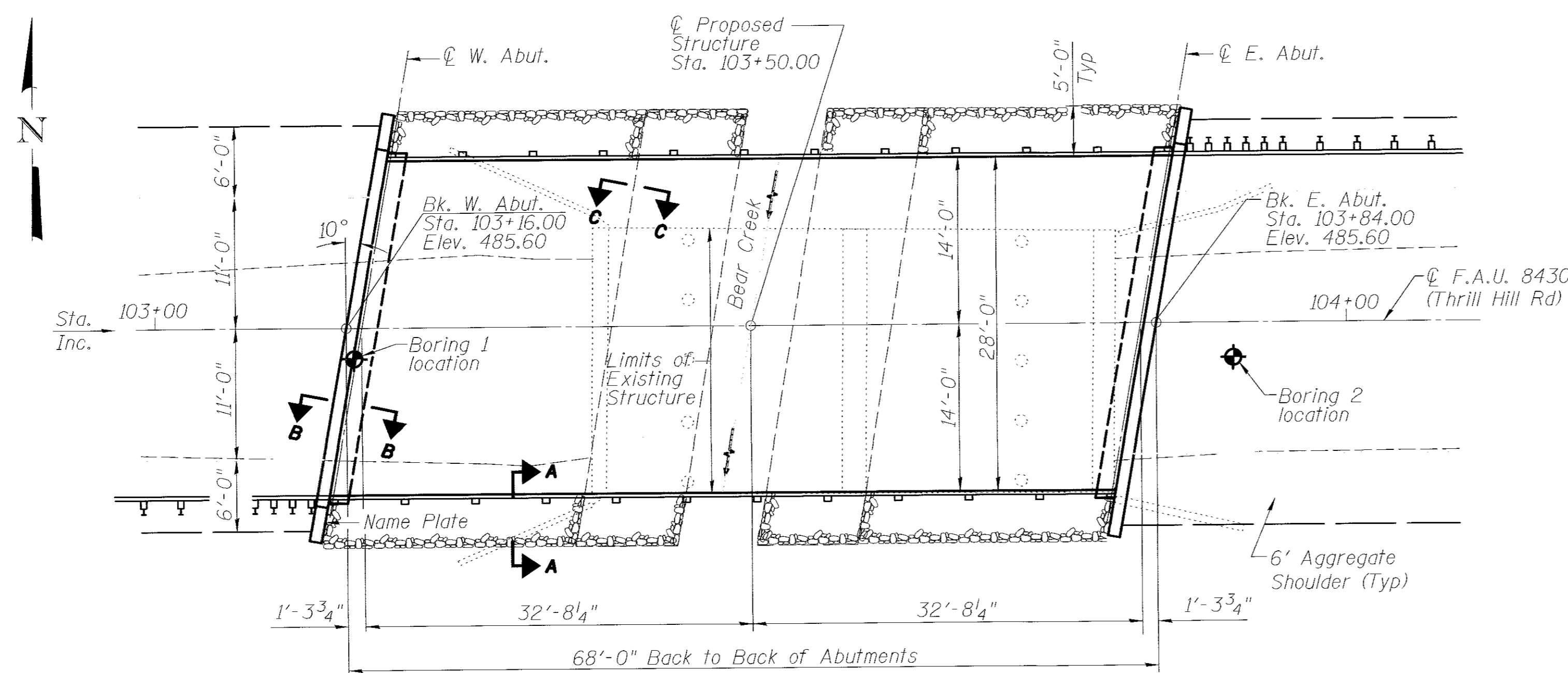
SECTION B-B



SECTION A-A

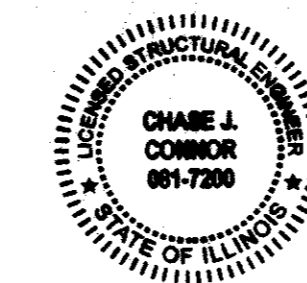


LOCATION SKETCH



PLAN

I certify that to the best of 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 of Highway Bridges.



Chase J. Connor 1/31/17
CHASE J. CONNOR, P.E., S.E.
ILLINOIS STRUCTURAL NO. 7220
EXPIRES: NOVEMBER 30, 2018

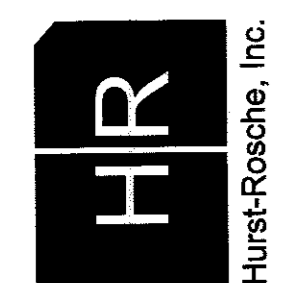
BEAR CREEK
BUILT 20__ BY
VANDALIA TOWNSHIP
FAYETTE COUNTY
SEC. 15-00067-00-BR
STATION 103+50.00
STR. NO. 026-6013 LOADING HL-93

NAME PLATE
See Std. 515001

GENERAL PLAN AND ELEVATION

F.A.U. 8430
OVER BEAR CREEK
SECTION 15-00067-00-BR
FAYETTE COUNTY
STATION 103+50.00
STRUCTURE NO. 026-6013

HURST-ROSCHIE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
JOB NO. 170-3435

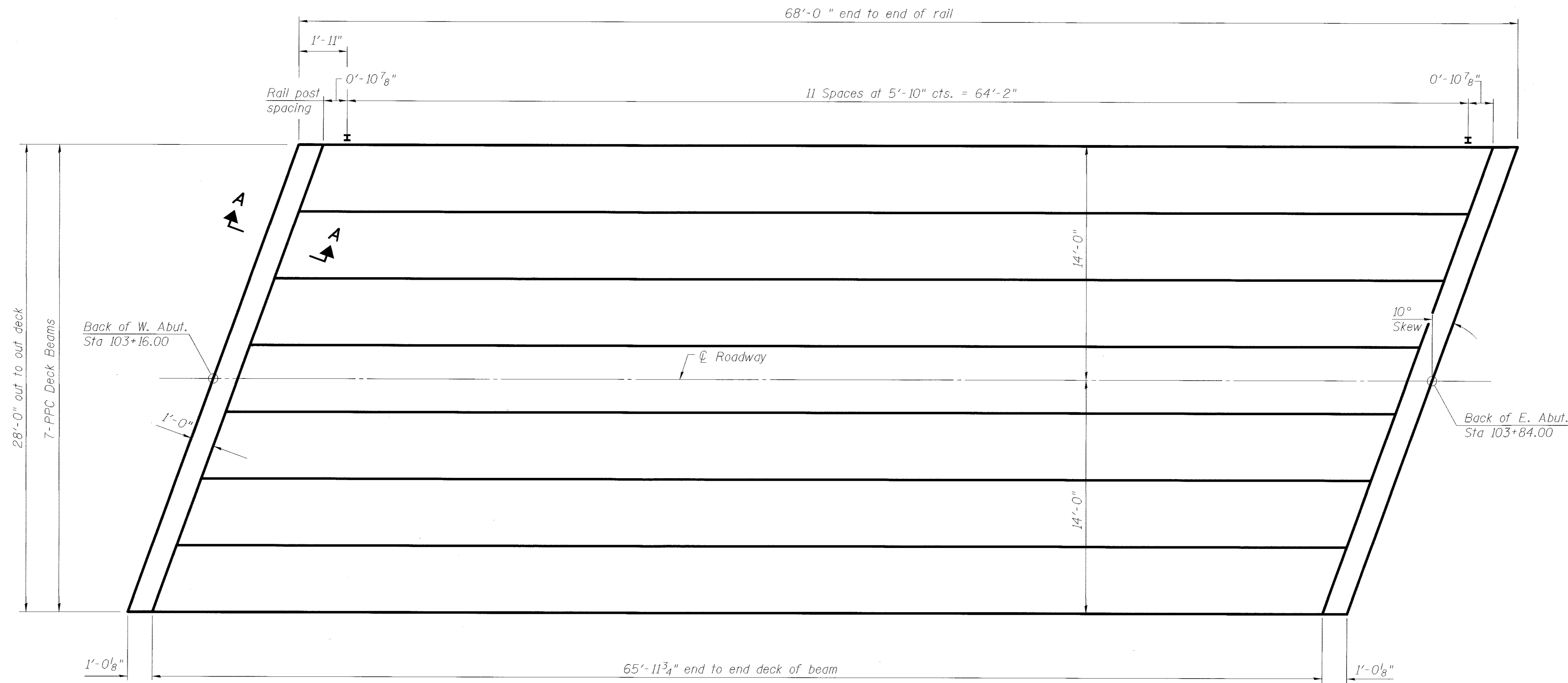


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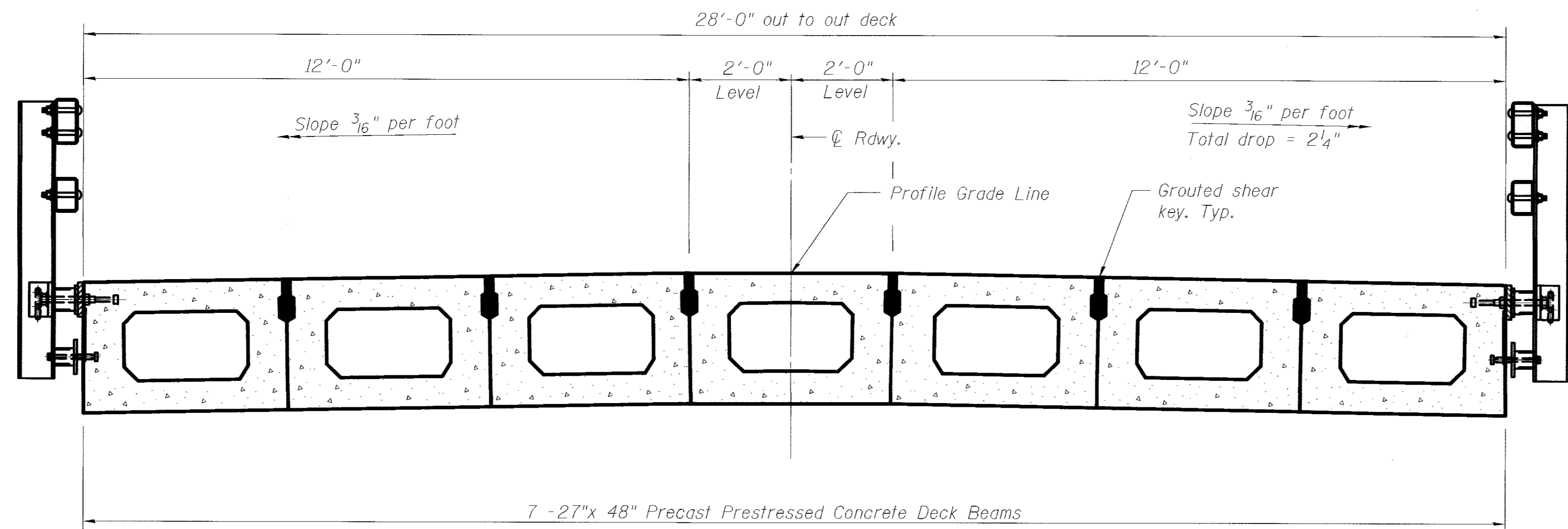
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 026-6013
SHEET NO. 1 OF 9 SHEETS

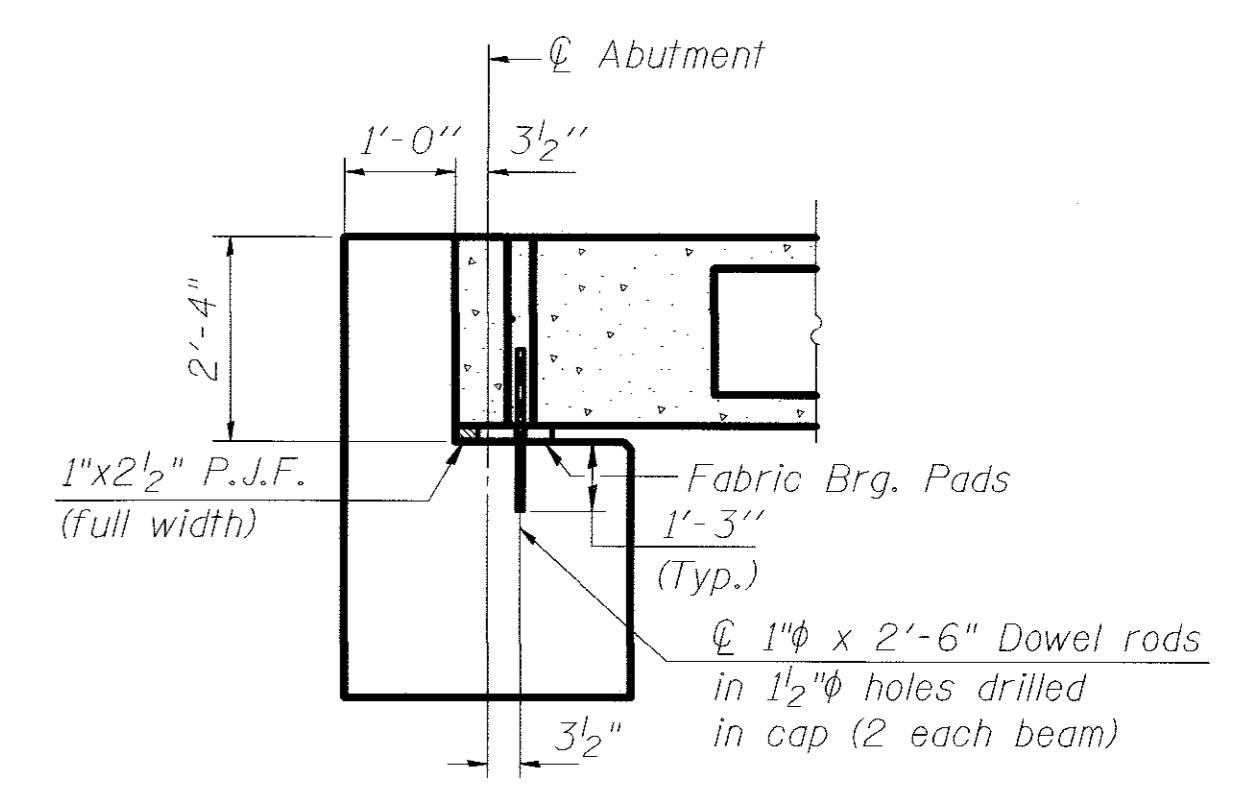
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8430	15-00067-00-BR	FAYETTE	22	8
ILLINOIS CONTRACT NO. 95807				



PLAN



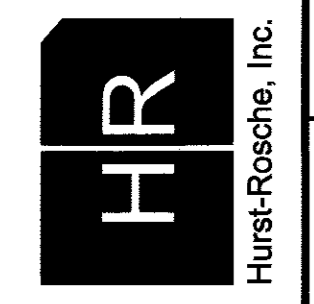
CROSS SECTION
(Looking East)



SECTION A-A
(Dimensions are at Rt. L's)

Notes:
See sheet 4 of 9 for Superstructure Details and Bill of Material.

HURST-ROSCHE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
JOB NO. 170-3435



FILE NAME =	USER NAME =	DESIGNED - CJC	REVISED -
		CHECKED - MEB	REVISED -
		DRAWN - UJ	REVISED -
		CHECKED - CJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE PLAN
STRUCTURE NO. 026-6013

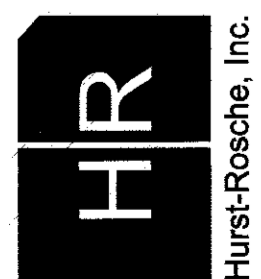
SHEET NO. 2 OF 9 SHEETS

F.A.U.	SECTION	COUNTY	SHEETS	NO.
8430	15-00067-00-BR	FAYETTE	22	9
CONTRACT NO. 95807				

ILLINOIS

15-00067-00-SUPERSTRUCTURE PLAN SHEET 2 OF 9 1/31/2017 11:46:20 AM

HURST-ROSCHKE, INC.
 HILLSBORO, ILLINOIS 62049
 PHONE (217)532-3959
 JOB NO. 170-3435



PD-2748-L

7-1-10

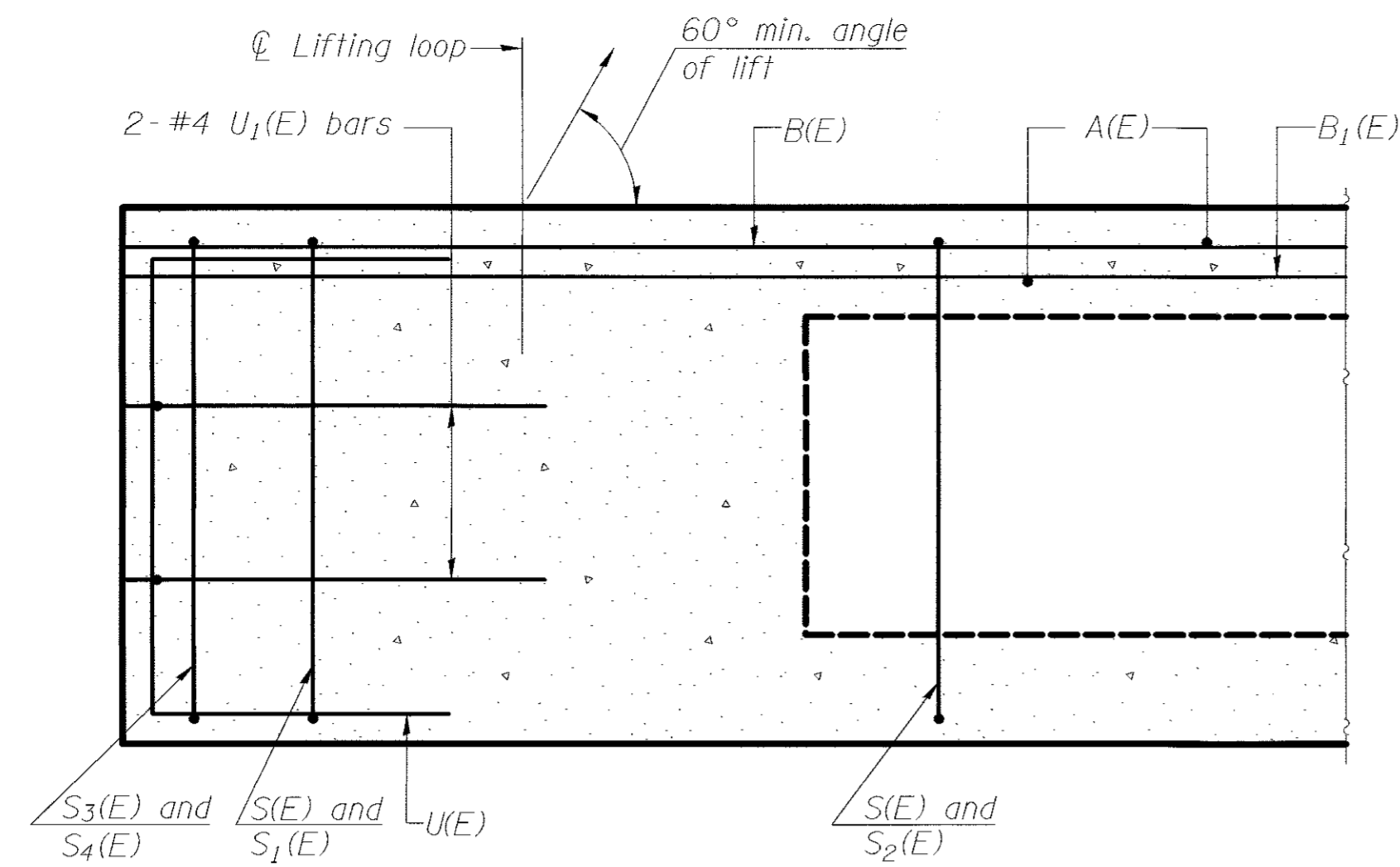
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

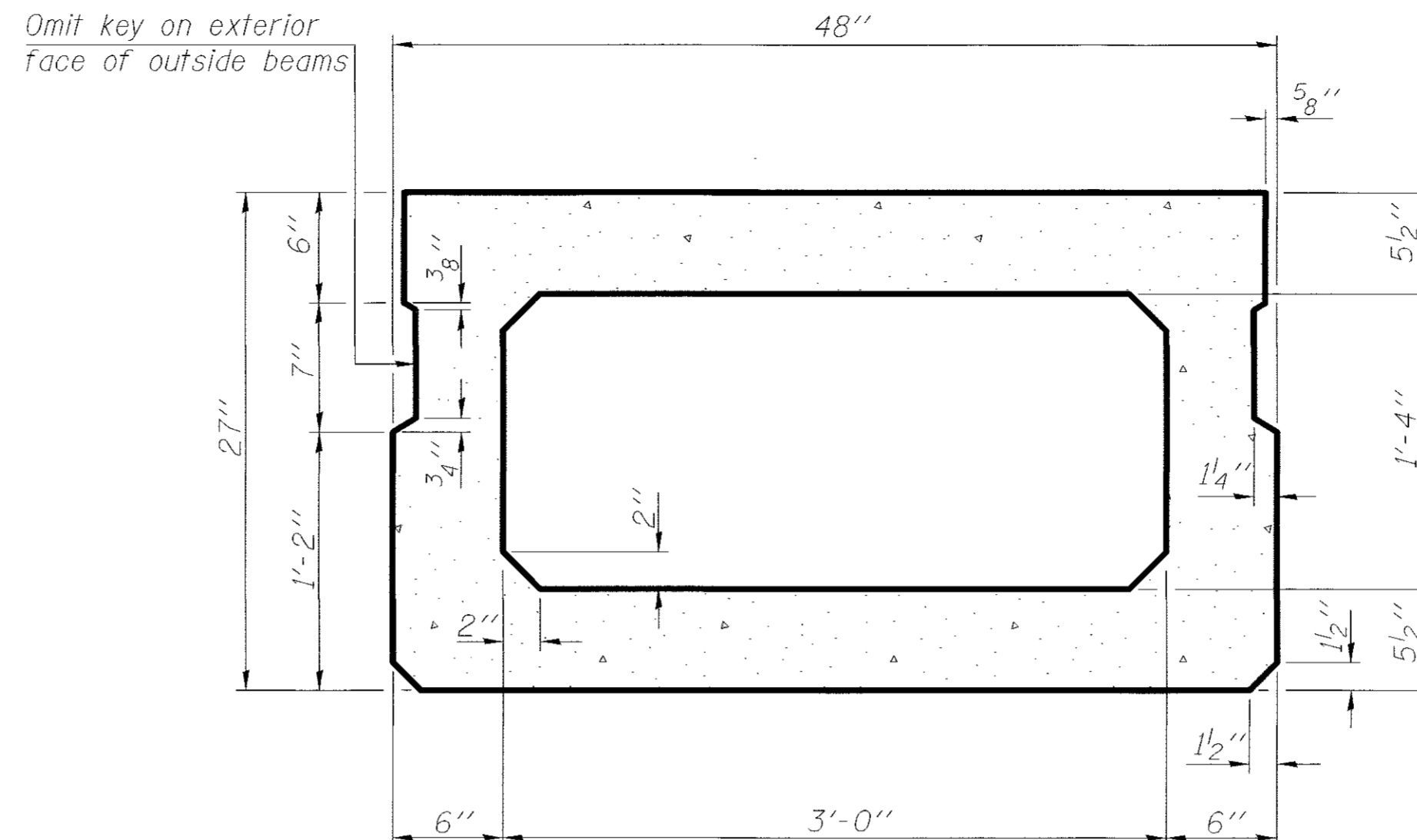
27" x 48" PPC DECK BEAM
 STRUCTURE NO. 026-6013

F.A.U.	SECTION	COUNTY	SHEETS	NO.
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ILLINOIS			CONTRACT NO. 95807	

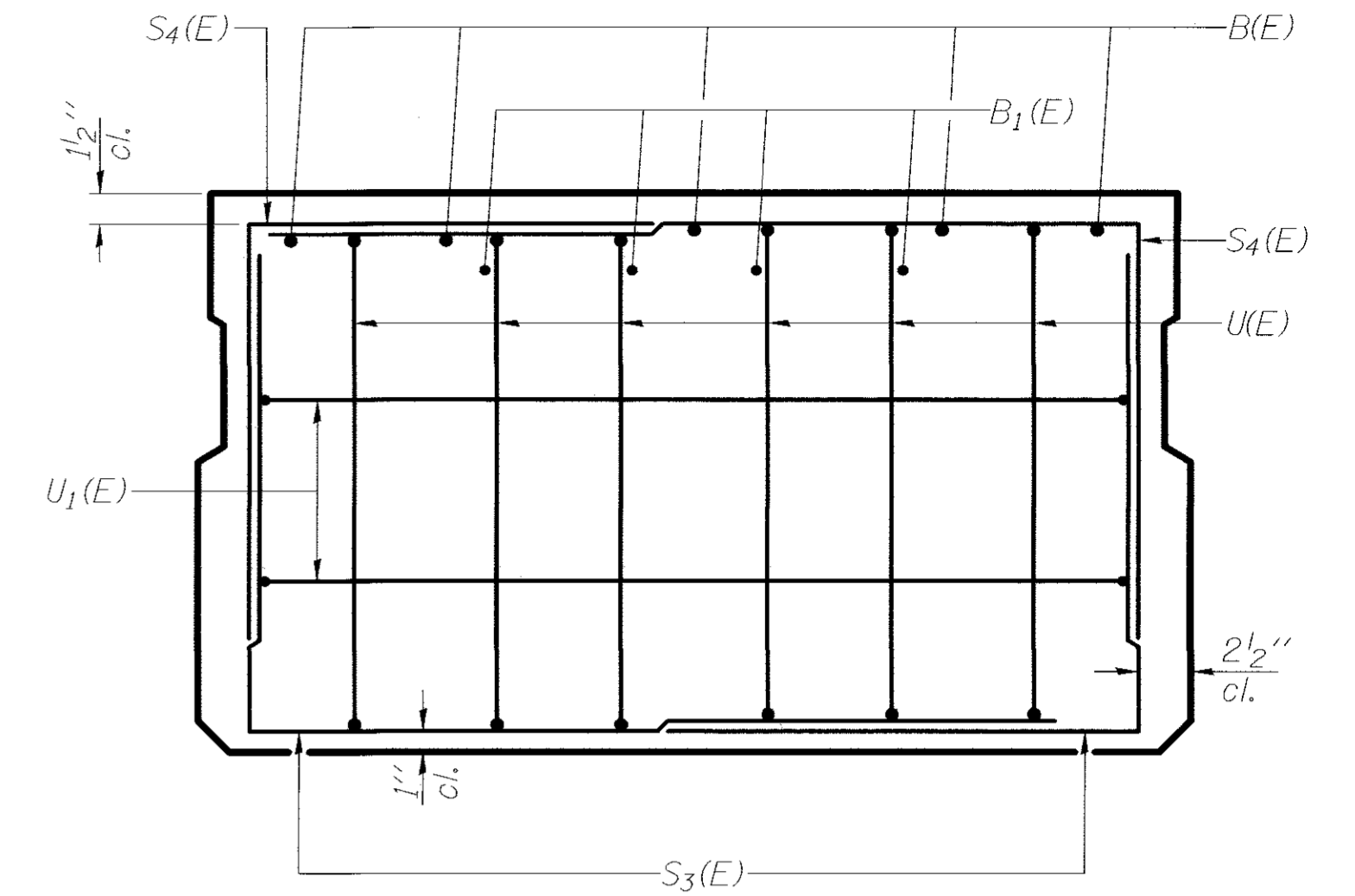
SHEET NO. 3 OF 9 SHEETS



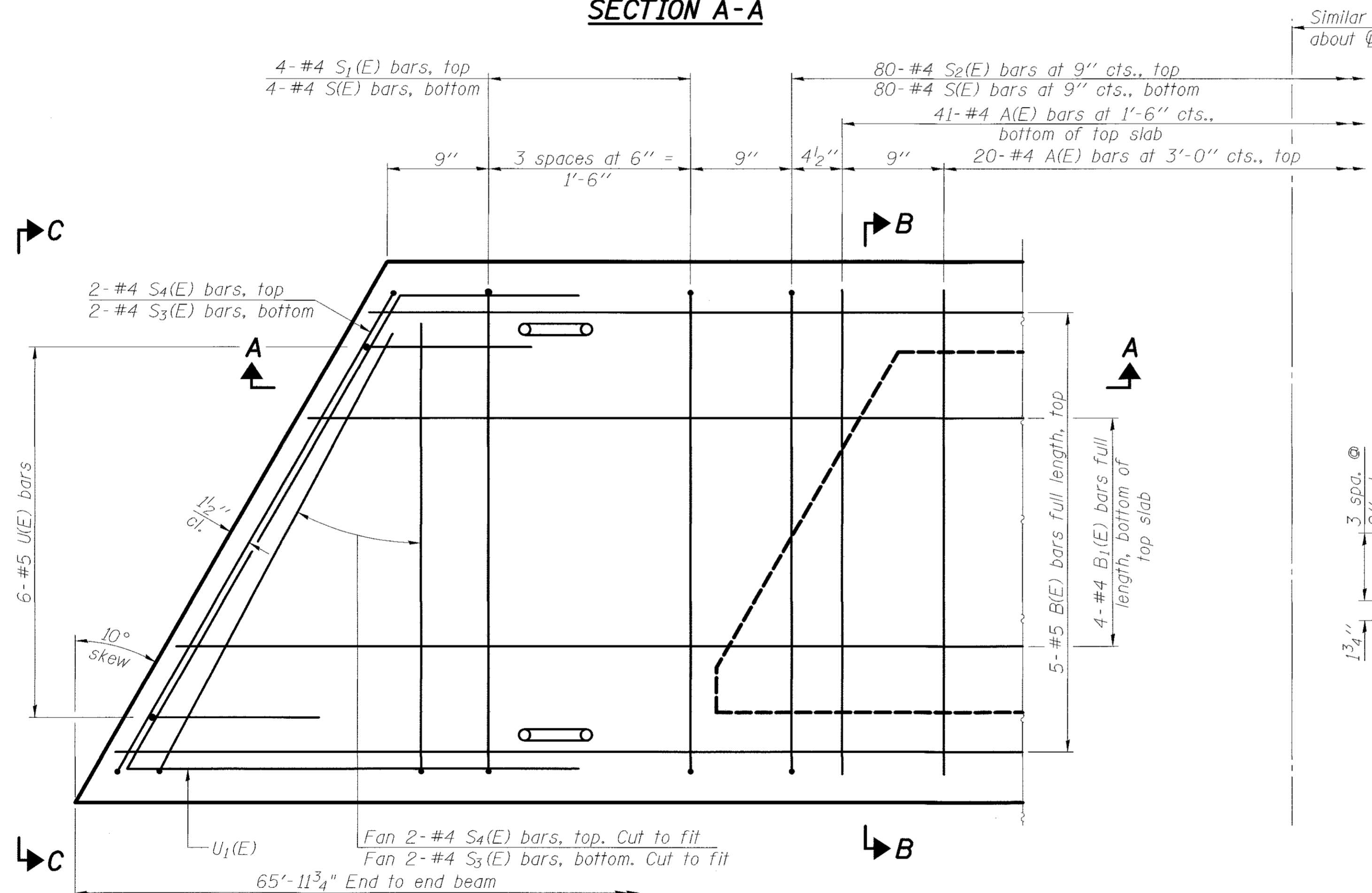
SECTION A-A



SECTION B-B
 (Showing dimensions)

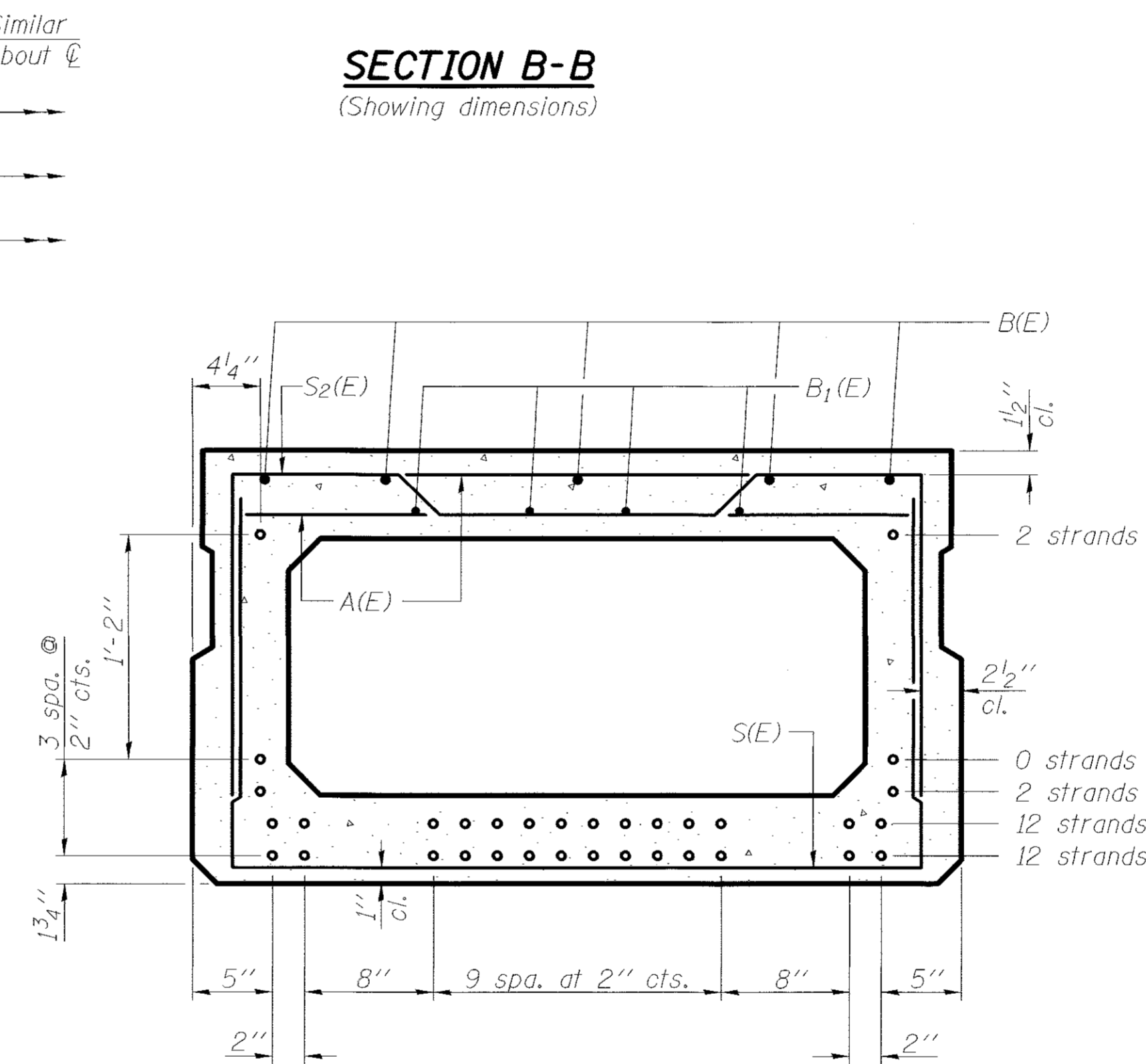


VIEW C-C



PLAN VIEW

Note: 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.



SECTION B-B

(Showing reinforcement and permissible strand locations)
 Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

MINIMUM BAR LAP

#4 bar = 2'-0"
 #5 bar = 2'-6"

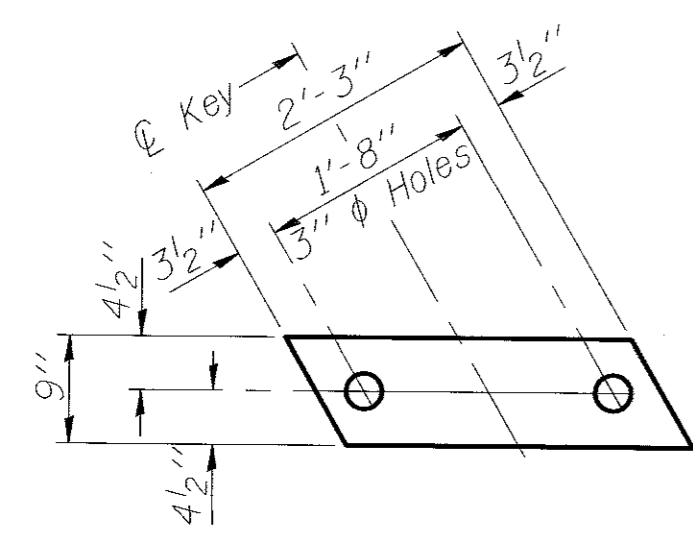
BAR LIST
 ONE BEAM ONLY

(For information only)

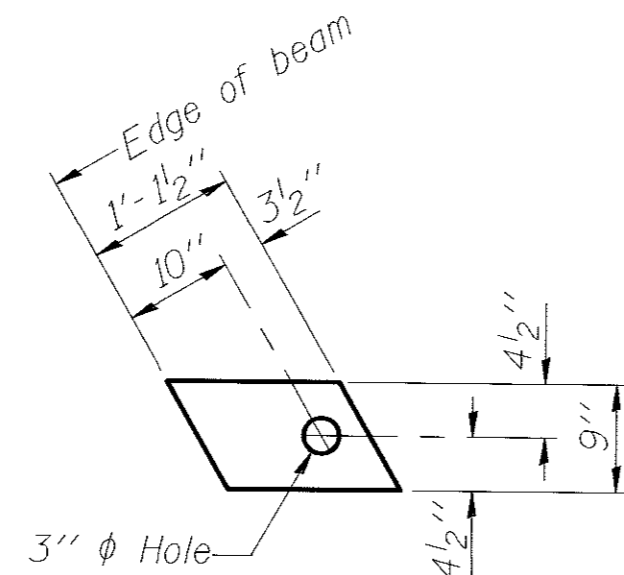
Bar	No.	Size	Length	Shape
A(E)	61	#4	3'-7"	—
B(E)	5	#5	65'-8"	—
B1(E)	4	#4	65'-8"	—
S(E)	88	#4	7'-5"	—
S1(E)	8	#4	6'-11"	┌┐
S2(E)	80	#4	7'-2"	┌┐
S3(E)	8	#4	4'-11"	┌┐
S4(E)	8	#4	4'-8"	┌┐
U(E)	12	#5	4'-6"	┌┐
U1(E)	4	#4	7'-0"	┌┐

Note: See sheet 4 of 9 for additional details and Bill of Material.

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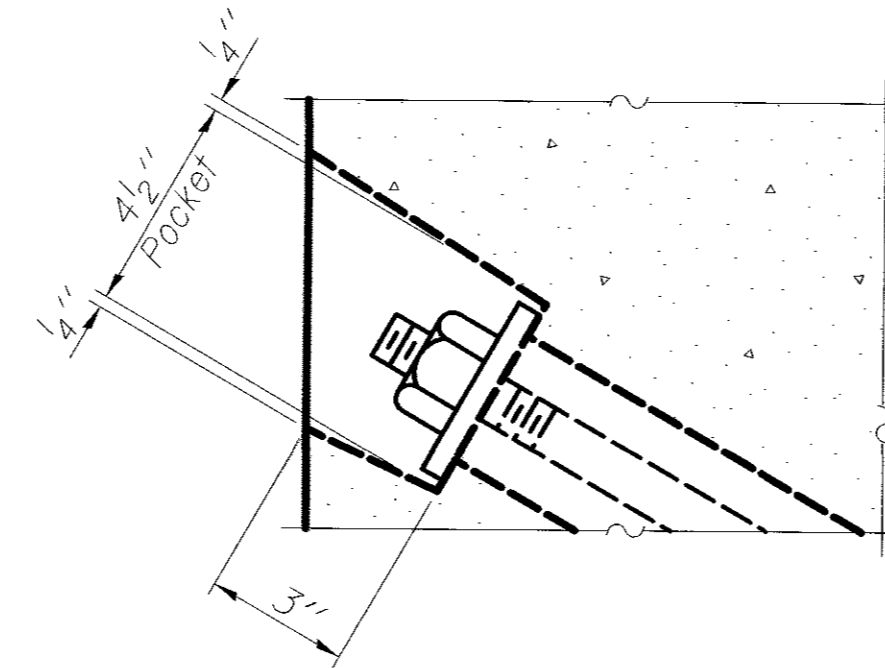


FABRIC BEARING PAD
(Interior)

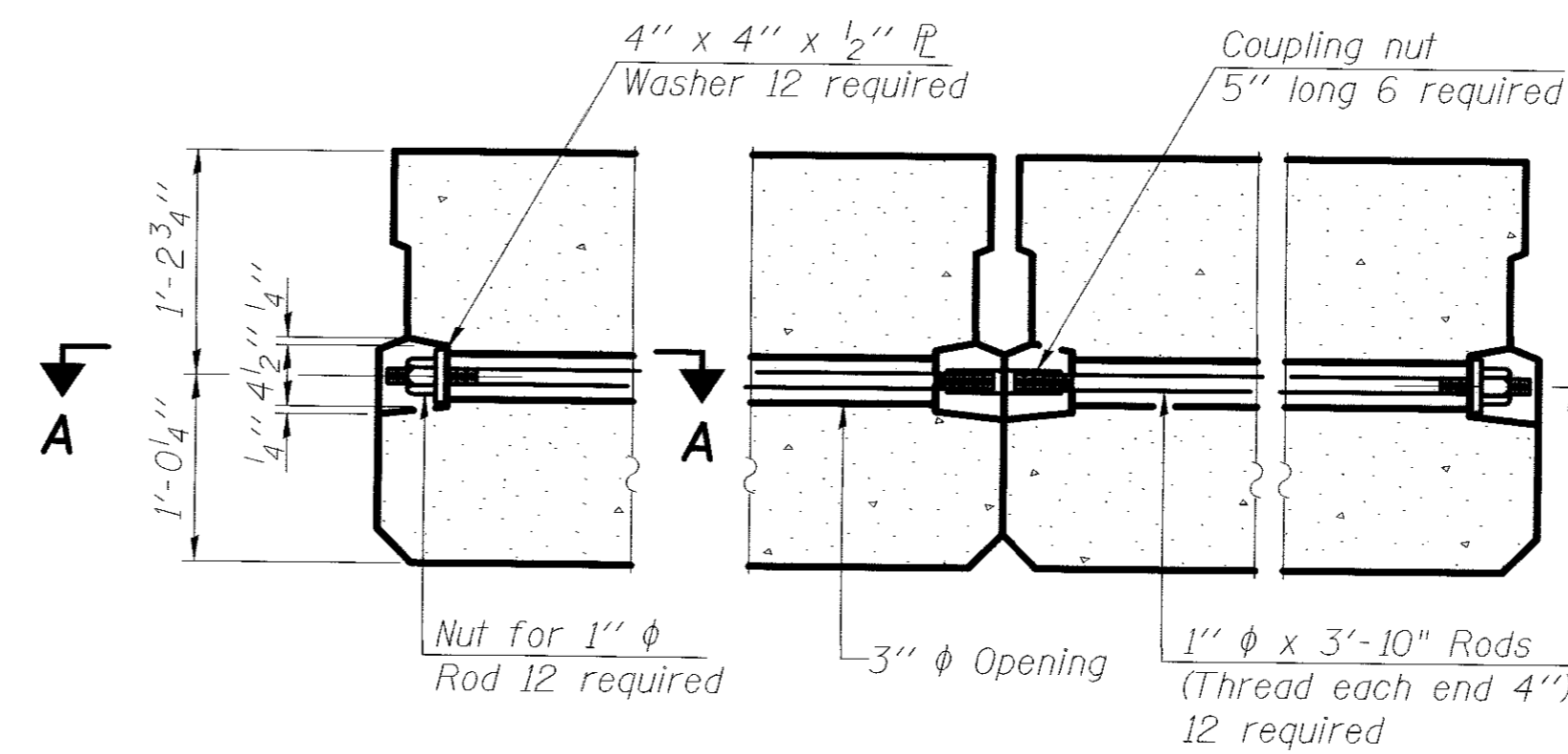


FABRIC BEARING PAD
(Exterior)

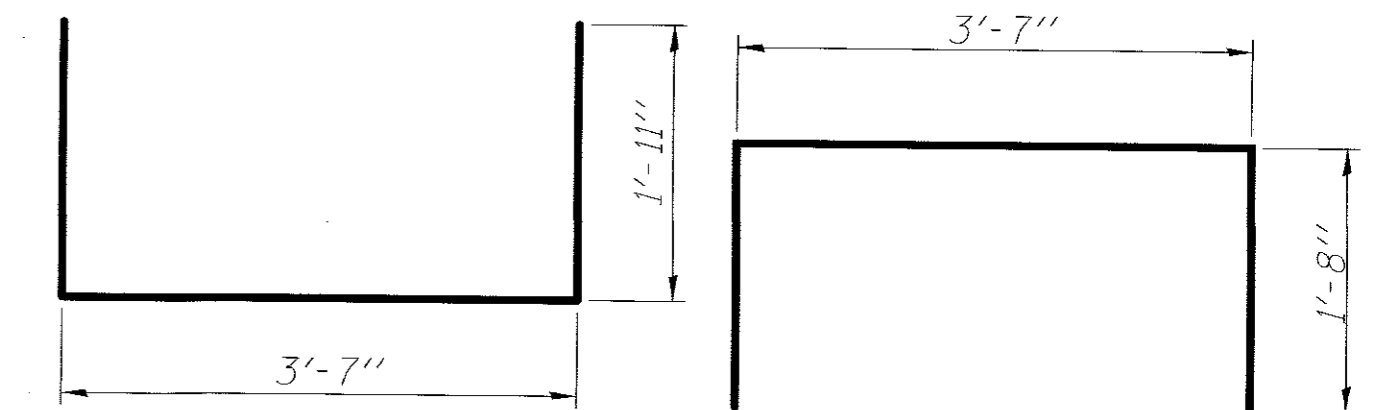
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



SECTION A-A

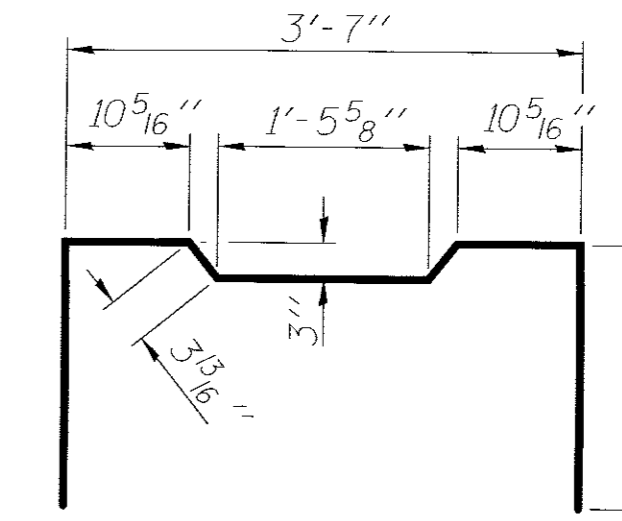


TYPICAL TRANSVERSE TIE ASSEMBLY



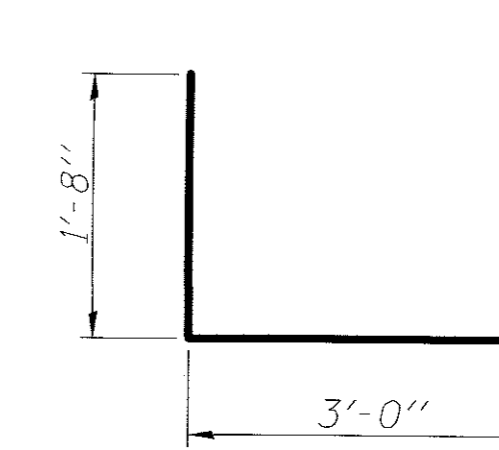
BAR S(E)

BAR S₁(E)

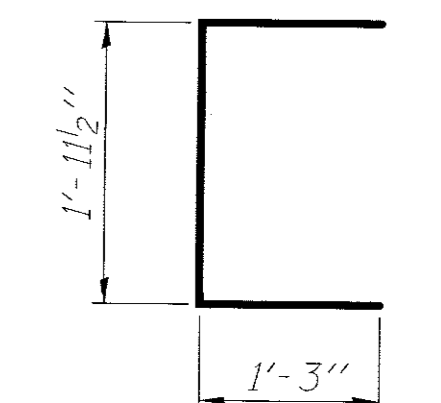


BAR S₂(E)

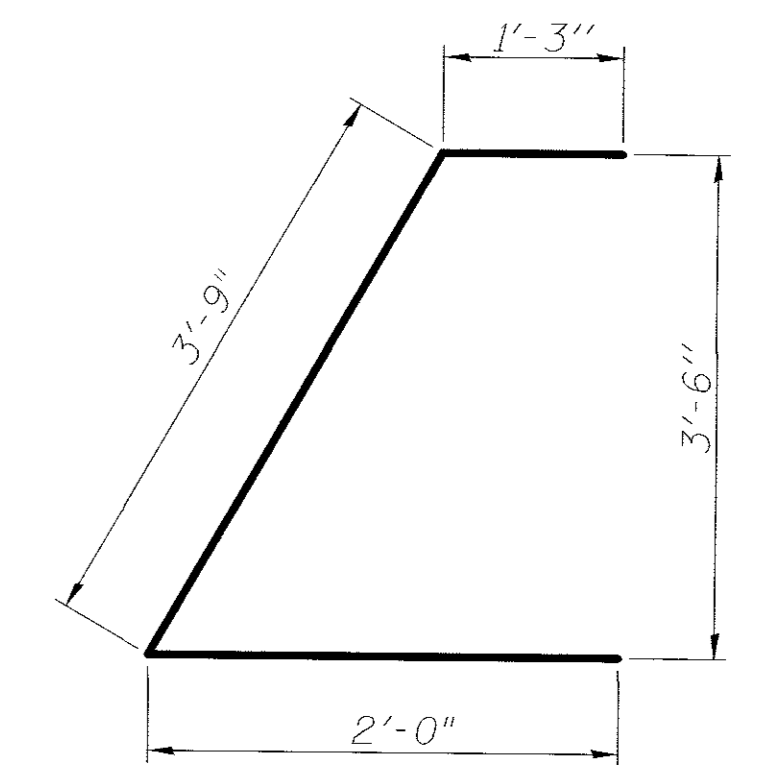
BAR S₃(E)



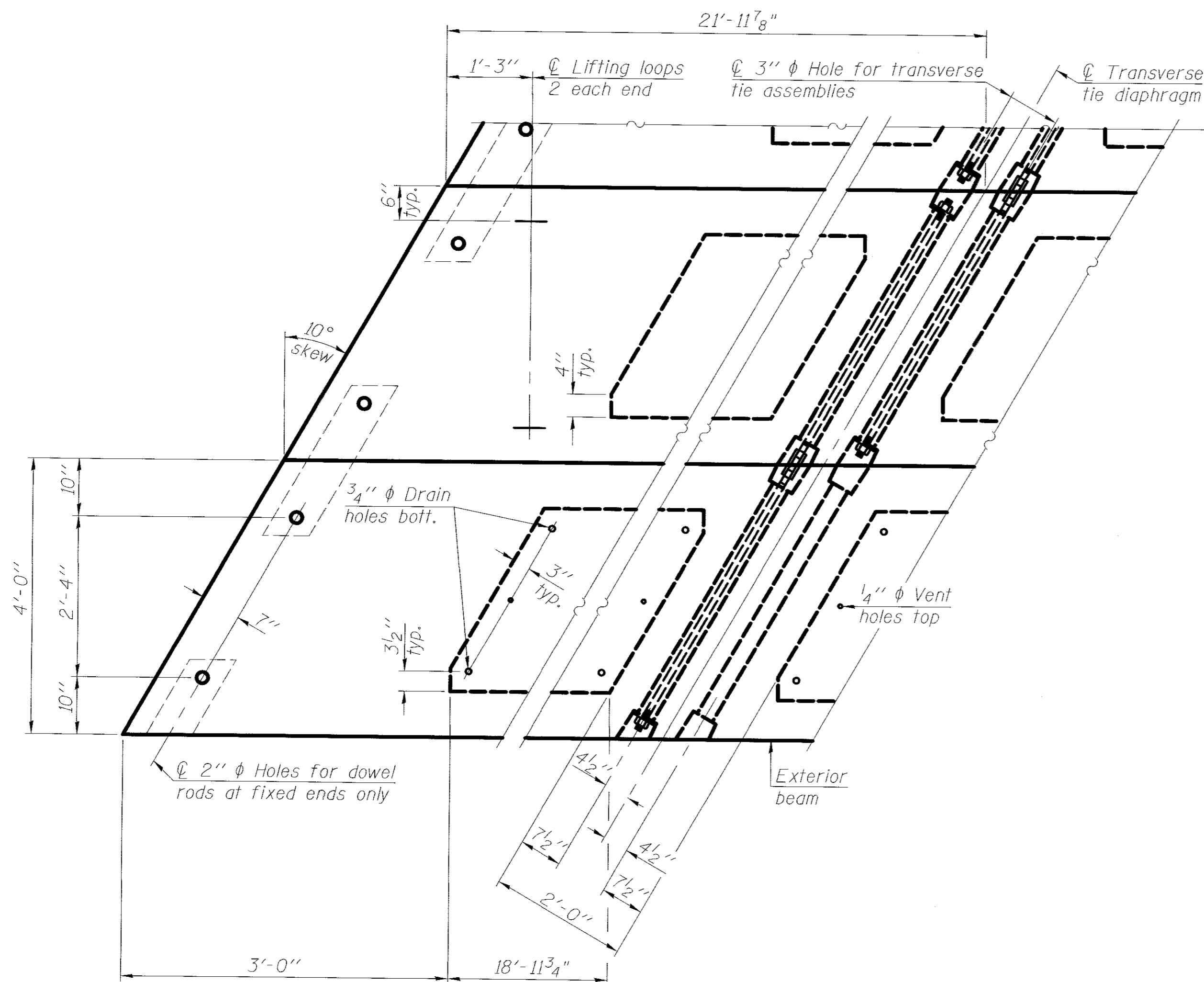
BAR S₄(E)



BAR U(E)



BAR U₁(E)

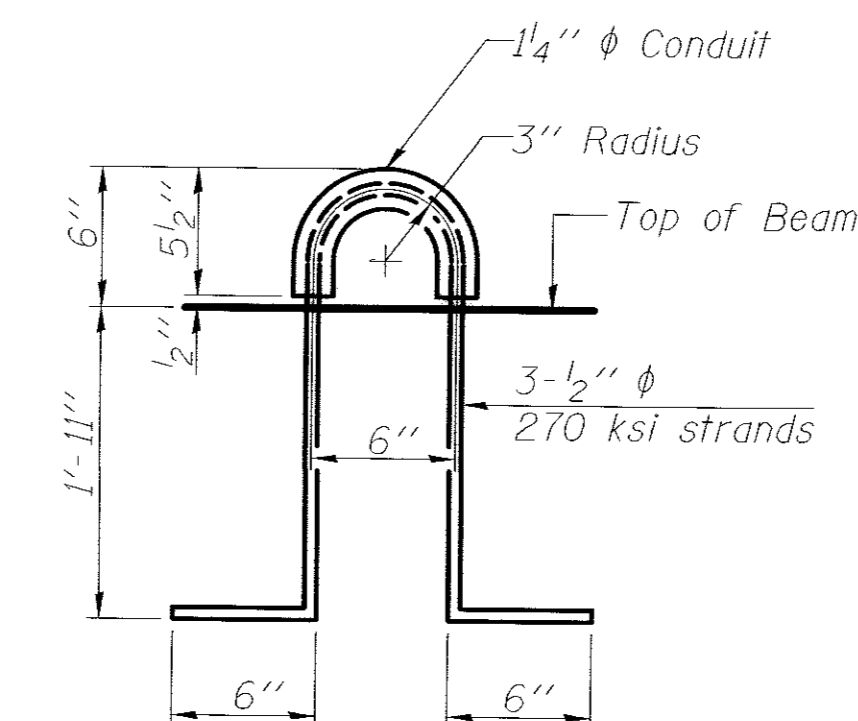


PLAN VIEW

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

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" phi 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. Reinforcement bars shall conform to ASTM A 706, Grade 60. 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" phi lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 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.



LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	1847
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HURST-ROSCHKE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
JOB NO. 170-3435



PD-2748-LD

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FILE NAME =	USER NAME =	DESIGNED - CJC	REVISED -
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PLOT DATE =		CHECKED - CJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

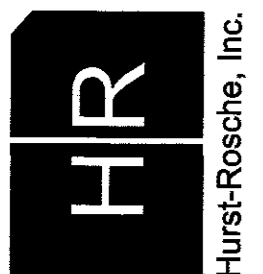
27" x 48" PPC DECK BEAM DETAILS
STRUCTURE NO. 026-6013

SHEET NO. 4 OF 9 SHEETS

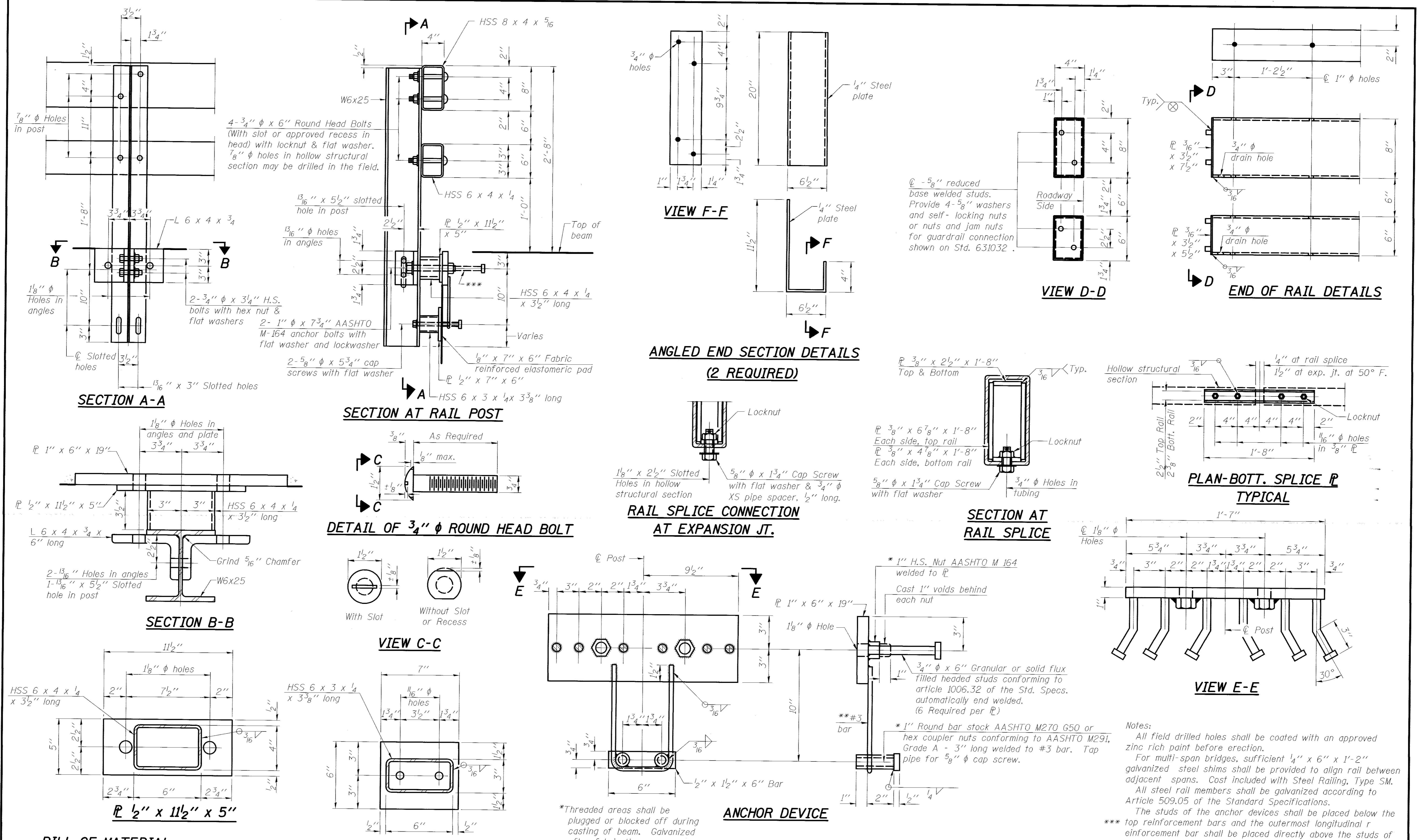
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8430	15-00067-00-BR	FAYETTE	22	11
CONTRACT NO. 95807			ILLINOIS	

... 0266013-004-0748 ppc deck beam details.dgn 17/01/2017 11:47:10 AM

HURST-ROSCHKE, INC.
 HILLSBORO, ILLINOIS 62049
 PHONE (217)532-3959
 JOB NO. 170-3435



Hurst-Roschke, Inc.



BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	136

FILE NAME =	USER NAME =	DESIGNED - CJC	REVISIONS -
		CHECKED - MEB	REVISIONS -
		DRAWN - UJ	REVISIONS -
		CHECKED - CJC	REVISIONS -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

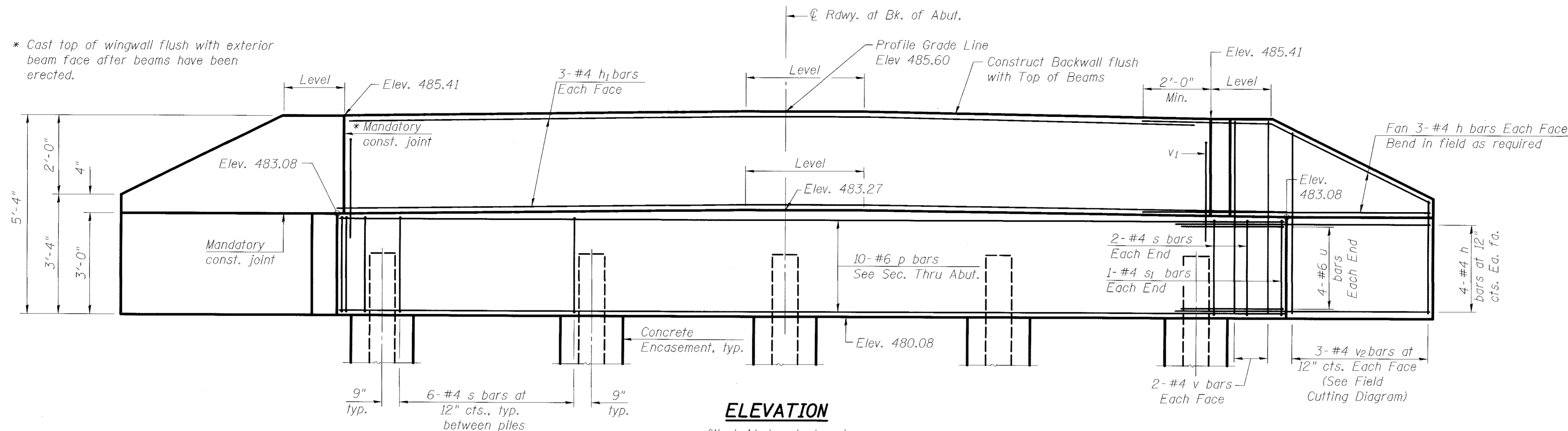
**STEEL RAILING, TYPE SM
 STRUCTURE NO. 026-6013**
 SHEET NO. 5 OF 9 SHEETS

F.A.U.	SECTION	COUNTY	SHEETS	NO.
8430	15-00067-00-BR	FAYETTE	22	12
				CONTRACT NO. 95807

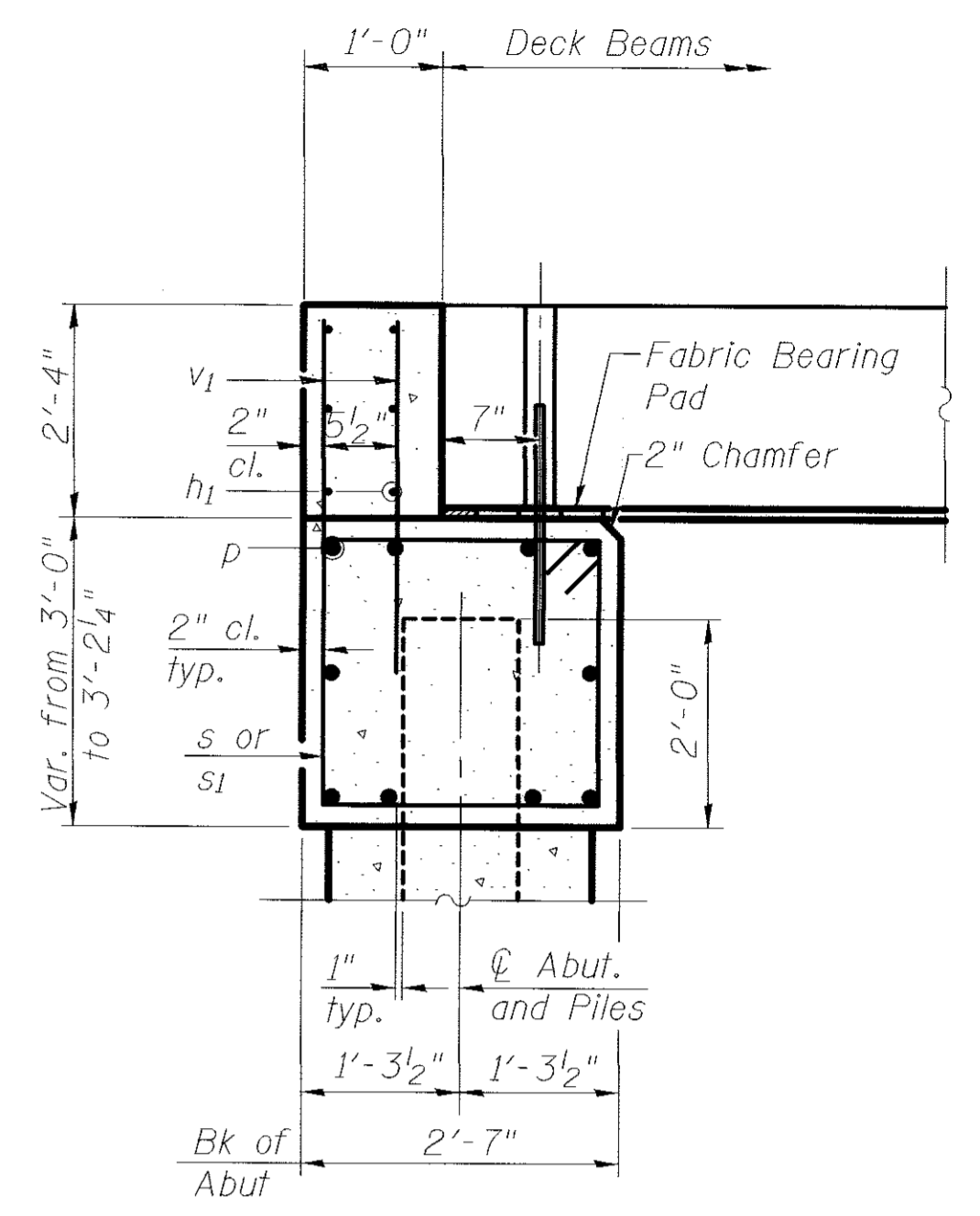
ILLINOIS FED. AID PROJECT

Notes:
 All field drilled holes shall be coated with an approved zinc rich paint before erection.
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
 All steel rail members shall be galvanized according to Article 509.05 of the Standard Specifications.
 The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.
 Angled end sections shall not be measured separately for payment. Cost included with Steel Railing, Type SM.

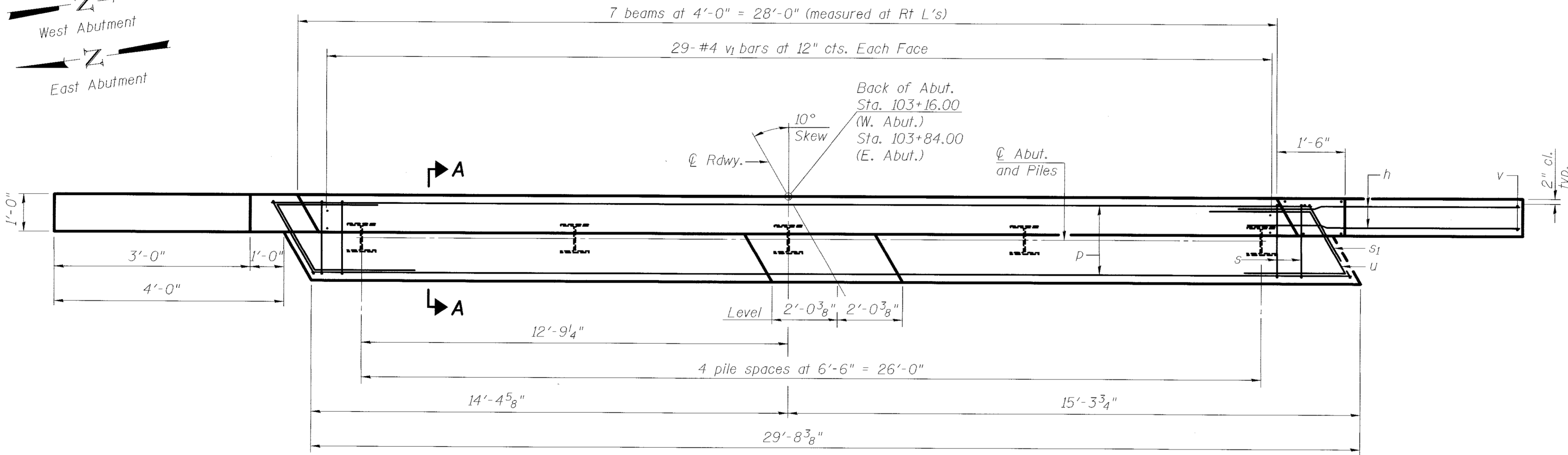
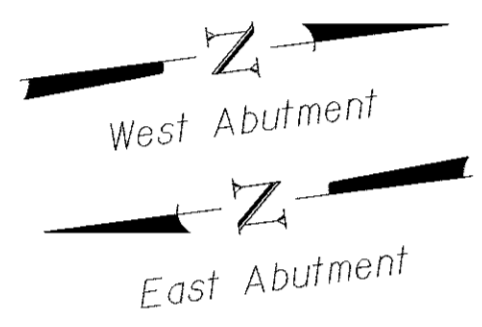
1026013-006-STEEL RAILING TYPE SM SHEET 5 OF 9 1/31/2017 11:47:34 AM



ELEVATION
(West Abutment shown)
(East Abutment similar, except as noted)



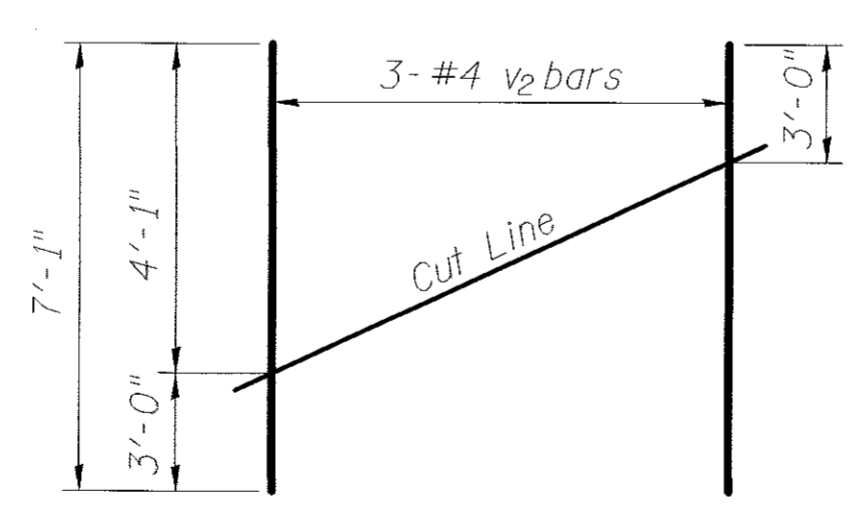
SECTION A-A
(Dimensions are at Rt. L's)



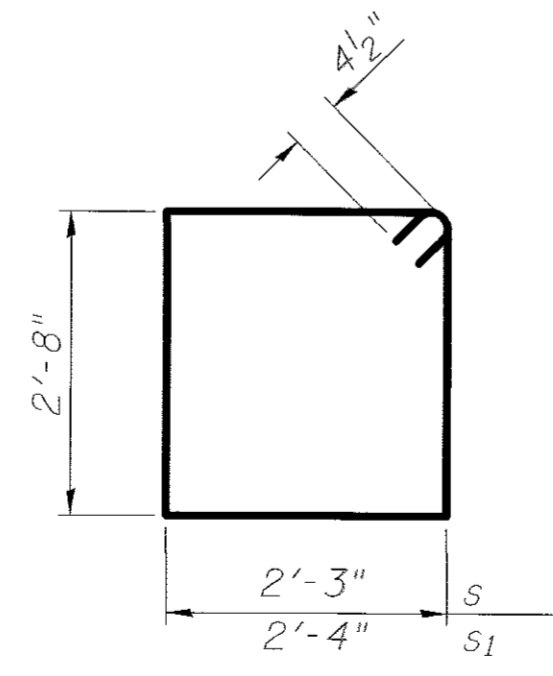
PLAN
(West Abutment shown)
(East Abutment similar, except as noted)

WEST ABUT. PILE DATA
Type: HP 12x53
Nominal Required Bearing: 336 kips
Factored Resistance Available: 185 kips
Est. Length: 36'
No. Production Piles: 4
No. Test Piles: 1

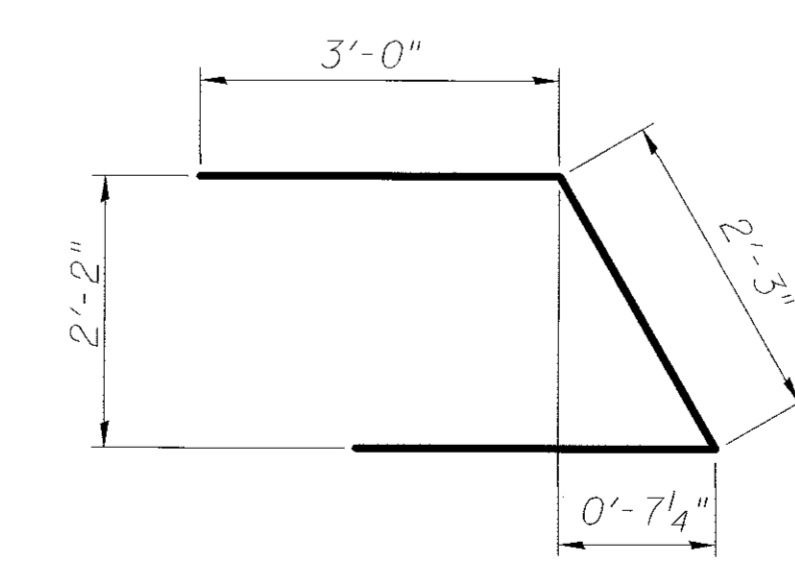
EAST ABUT. PILE DATA
Type: HP 12x53
Nominal Required Bearing: 328 kips
Factored Resistance Available: 180 kips
Est. Length: 40'
No. Production Piles: 5
No. Test Piles: 0



FIELD CUTTING DIAGRAM
Order v2 full length. Cut as shown and use remainder of bars in opposite Face.



BAR s & s1



BAR u

BILL OF MATERIAL (2 ABUTMENTS)

Bar	No.	Size	Length	Shape
h	56	#4	7'-2"	—
h1	12	#4	28'-1"	—
p	20	#6	29'-4"	—
s	56	#4	10'-7"	□
s1	4	#4	10'-9"	□
u	16	#4	8'-3"	▤
v	16	#4	4'-6"	—
v1	116	#4	4'-2"	—
v2	12	#4	7'-1"	—
Structure Excavation		Cu. Yd.	72	
Concrete Structures		Cu. Yd.	24.5	
Concrete Encasement		Cu. Yd.	3.5	
Reinforcement Bars		Pound	2315	
Furnishing Steel Piles		Foot	344	
HP 12x53				
Driving Piles		Foot	344	
Test Pile Steel				
HP 12x53		Each	1	

For details of piles and Concrete Encasement, see sheet 7 of 9.

HURST-ROSCHKE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
JOB NO. 170-3435



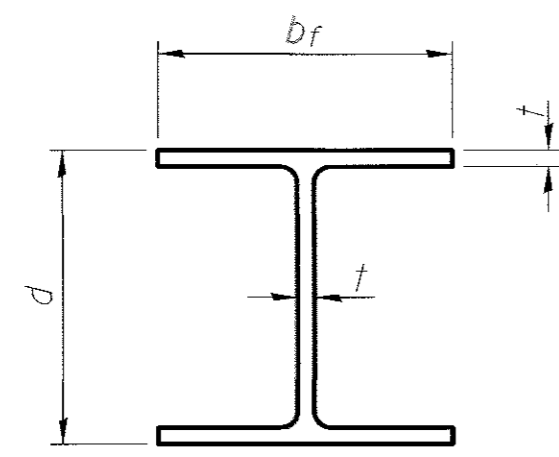
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		CHECKED - MEB	REVISED -
		DRAWN - UJ	REVISED -
		CHECKED - CJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENTS
STRUCTURE NO. 026-6013
SHEET NO. 6 OF 9 SHEETS

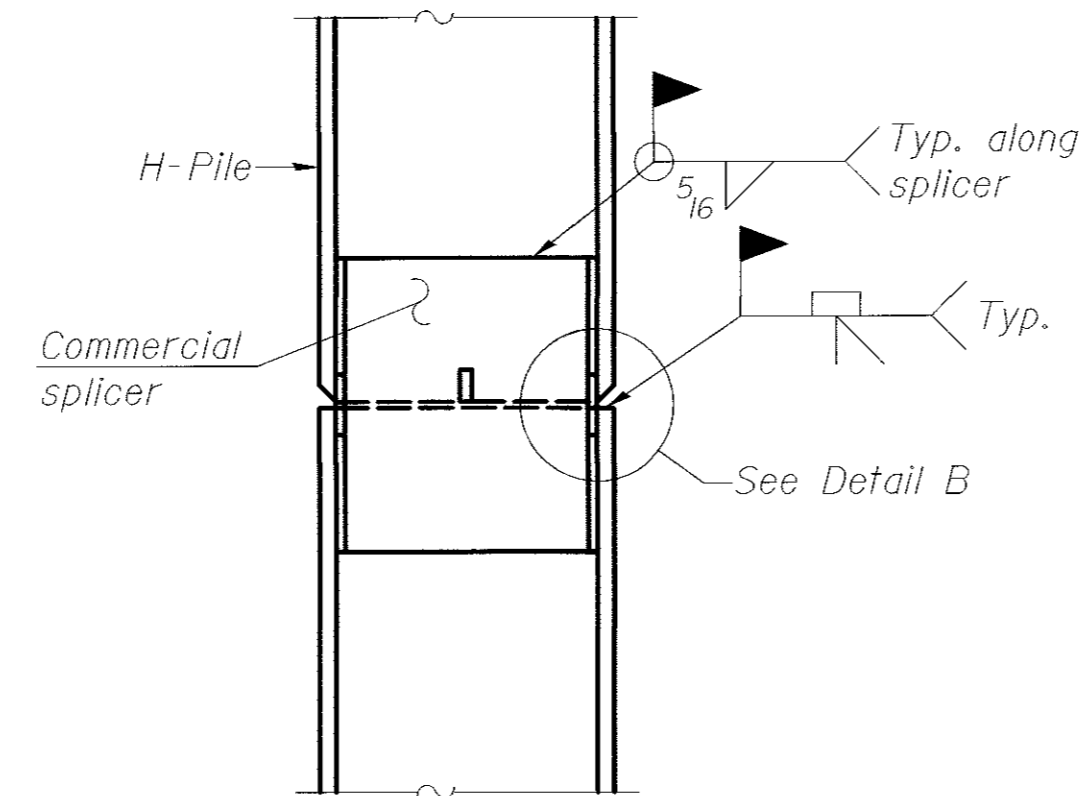
F.A.U.	SECTION	COUNTY	SHEETS	NO.
8430	15-00067-00-BR	FAYETTE	22	13
				CONTRACT NO. 95807

ILLINOIS

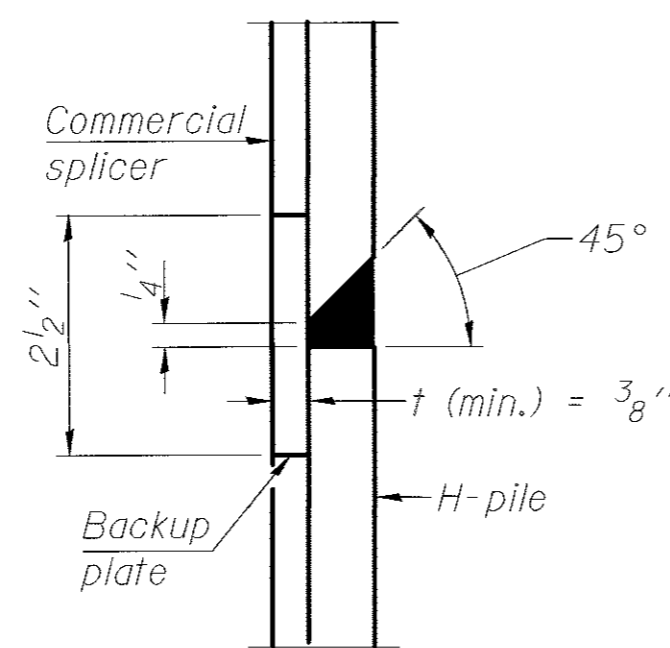


STEEL PILE TABLE

Designation	Depth d	Flange width b _f	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"

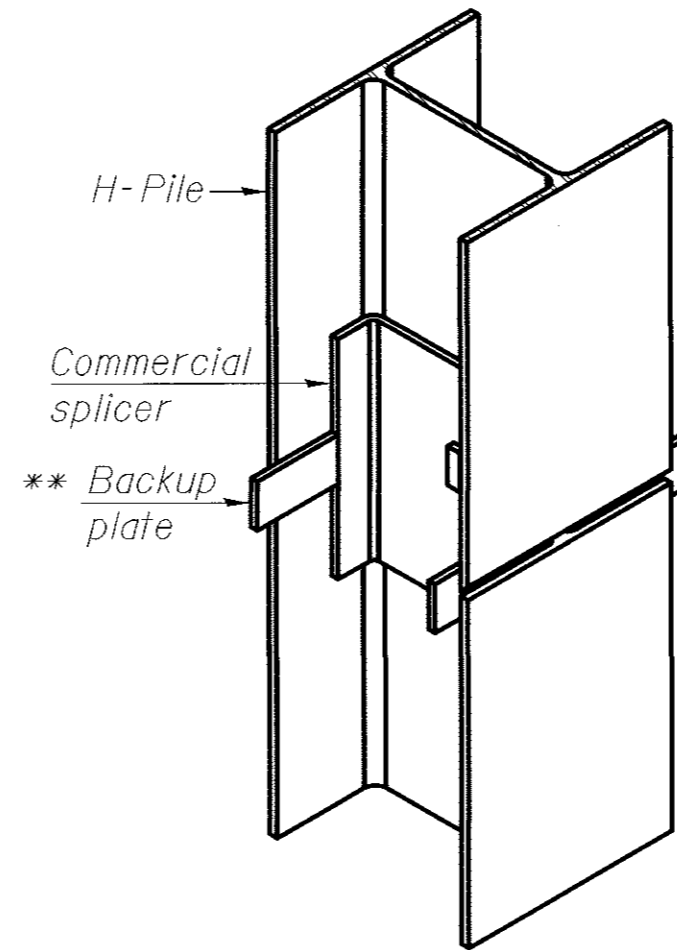


ELEVATION

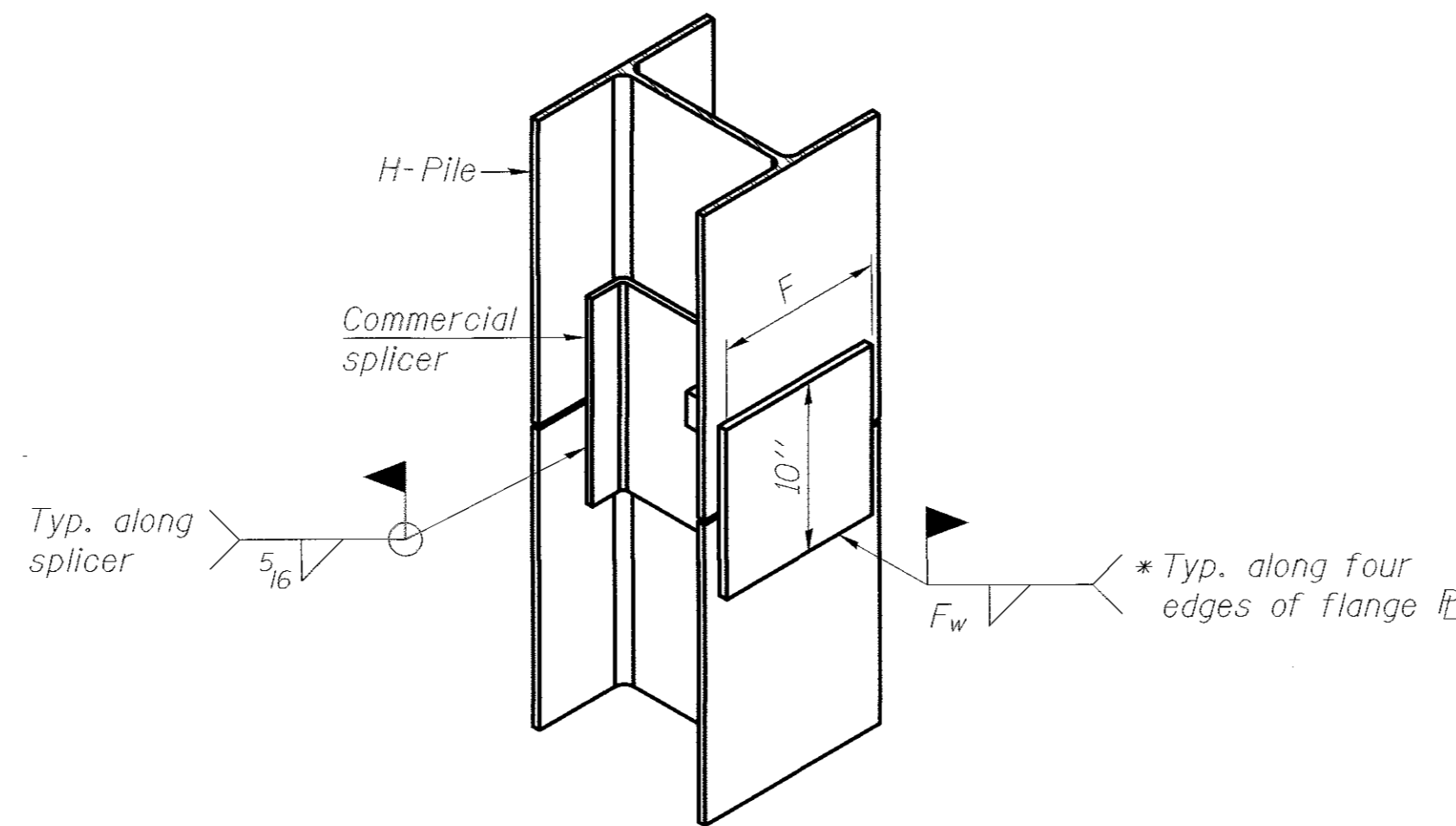


DETAIL "B"

WELDED COMMERCIAL SPLICE



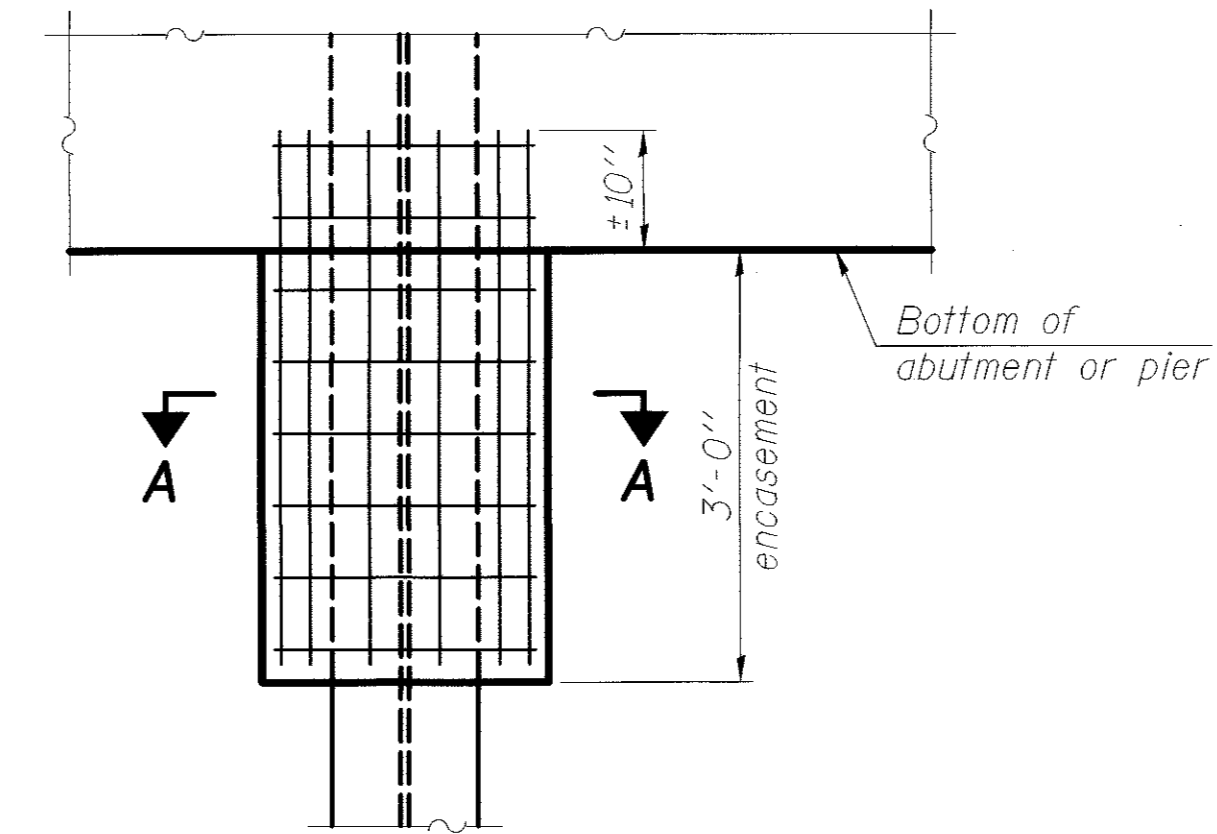
ISOMETRIC VIEW



ISOMETRIC VIEW

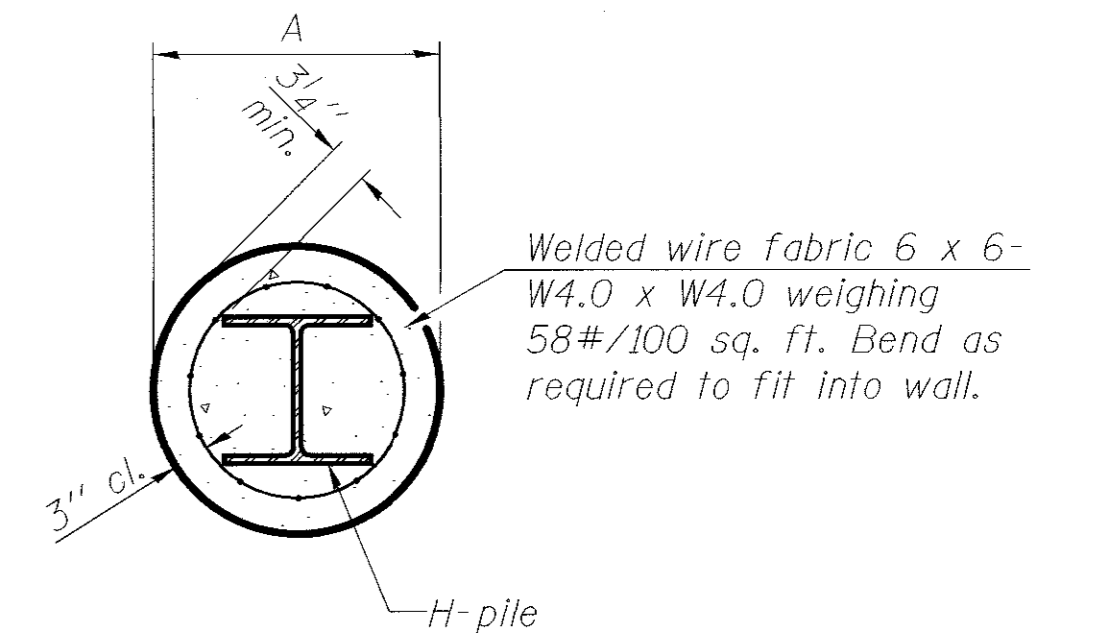
WELDED COMMERCIAL SPLICE ALTERNATE

- * 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.).



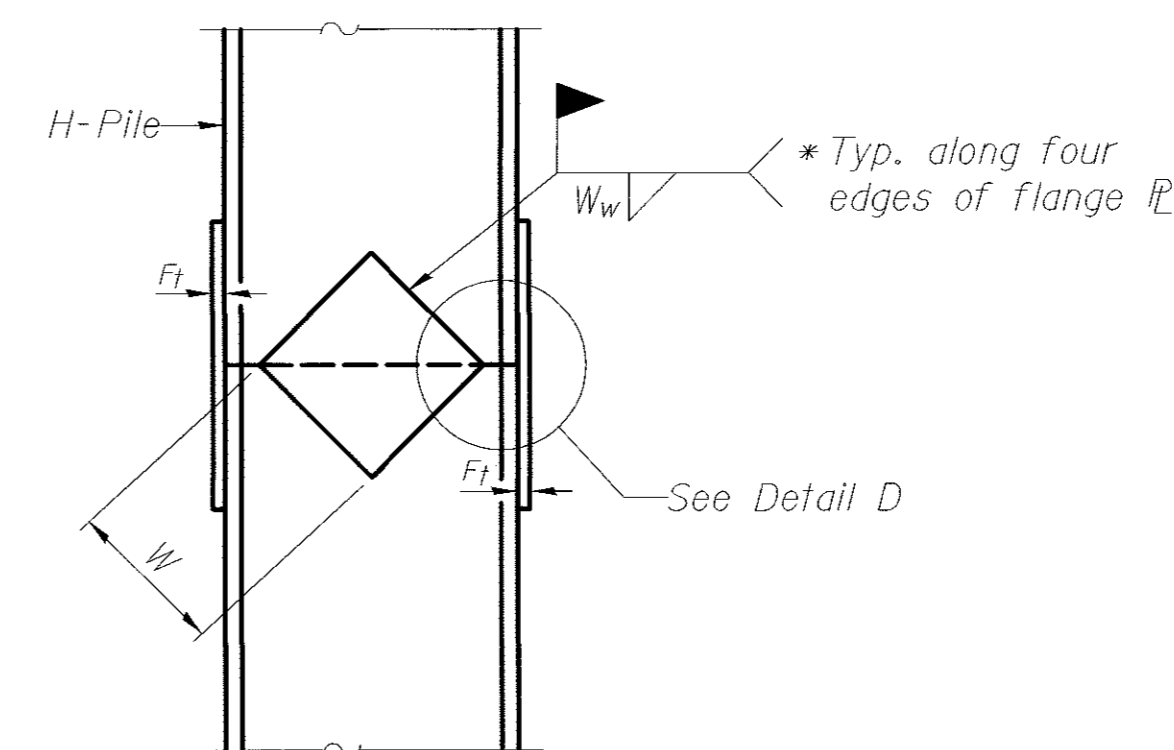
ELEVATION

PILE ENCASEMENT

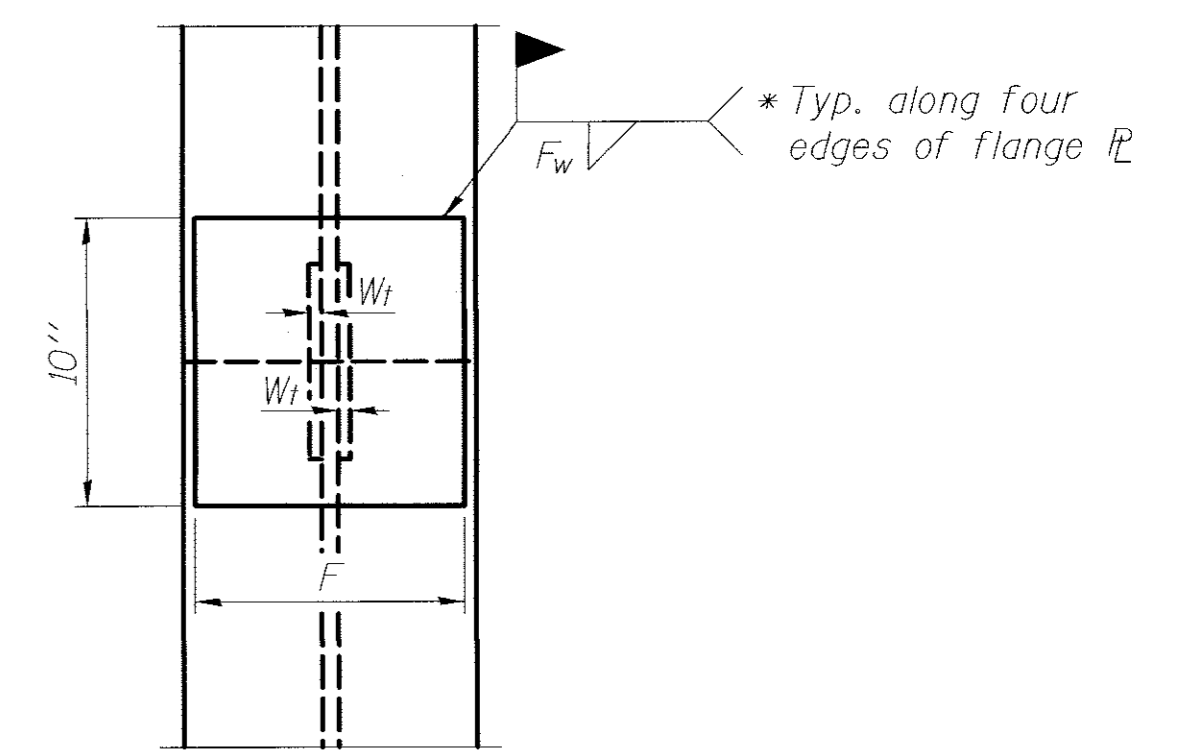


SECTION A-A

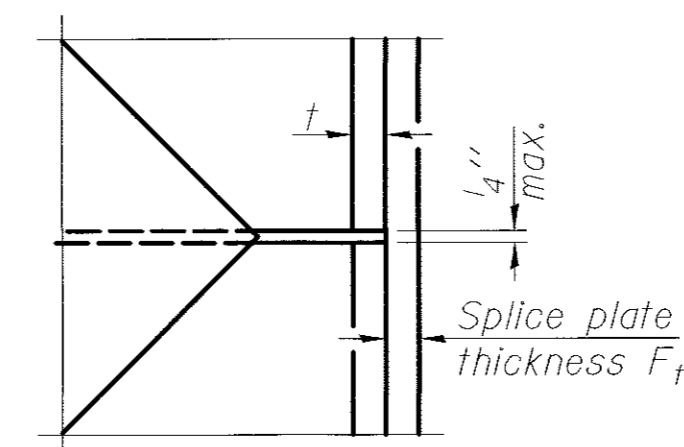
Note:
Forms for encasement may be omitted when soil conditions permit.



ELEVATION



END VIEW

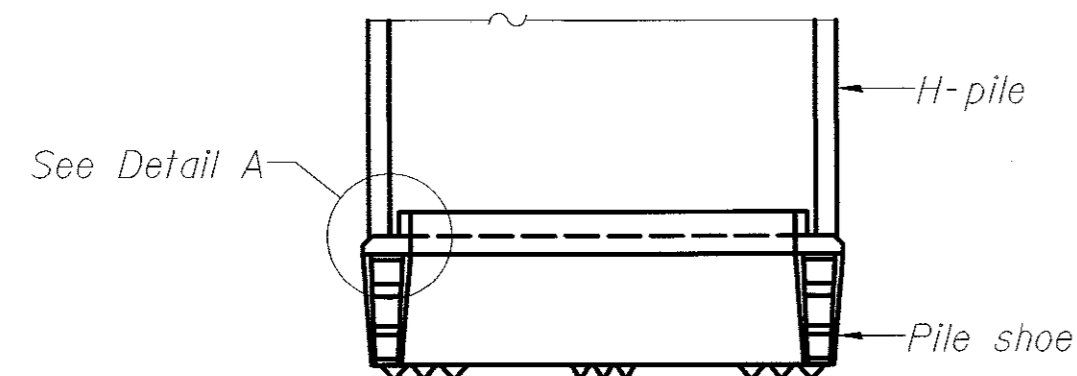


DETAIL D

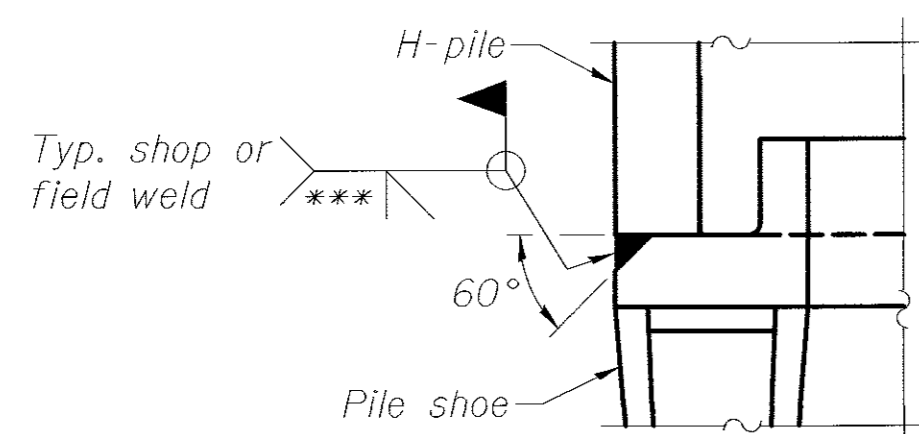
WELDED PLATE FIELD SPLICE

Designation	F	F _t	F _w	W	W _t	W _w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 3/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 3/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5 3/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 3/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5 3/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5 3/8"	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"

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



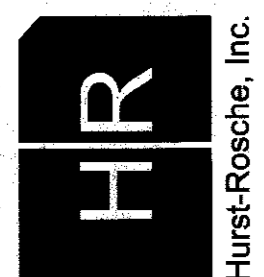
ELEVATION



DETAIL A

H-PILE SHOE ATTACHMENT

HURST-ROSCHIE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
JOB NO. 170-3435



F-HP

FILE NAME =	USER NAME =	DESIGNED - CJC	REVISED -
		CHECKED - MEB	REVISED -
		DRAWN - UJ	REVISED -
		CHECKED - CJC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 026-6013

SHEET NO. 7 OF 9 SHEETS

F.A.U.	SECTION	COUNTY	SHEETS	NO.
8430	15-00067-00-BR	FAYETTE	22	14
CONTRACT NO. 95807				
ILLINOIS FED. AID PROJECT				

Thrill Hill Bridge Replacement
Existing SN 026-3285
Section 15-00067-00-BR
Vandalia, Fayette County, Illinois
Project #170-3435

HURST-ROSCHE, INC.
HILLSBORO, ILLINOIS
PHONE 217/532-3959

DATE: May 4, 2016
BORING TECH: M. Keller
DRILLING TECH.: D. Kistner

FOUNDATION BORING LOG

BORING NO.: 1	N	Qu	W	REC	GROUNDWATER ELEV.	N	Qu	W	REC
COORDINATES: 20 ft. West of West Abutment; Centerline	Value	(tsf)	(%)	(%)	COMP.: --	Value	(tsf)	(%)	(%)
SURFACE ELEV.: 484.5 ft.					AFTER 48 HRS.: 478.7 ft.; Bridge at 470.0 ft.				
Oil & Chip (4")	0				20				
Topsoil	483.5 ft.				463.5 ft.				
SAND (SP), Brown, Dry to Moist, Fine, Medium Dense, Trace of Gravel		NP			SAND (SP), Gray, Saturated, Fine, Loose				
CLAY LOAM (CL), Brown, Dry, Stiff, Trace of Gravel	13	P-1.4	13.6	80		9	NP	--	85
481.0 ft.									
SILTY LOAM (ML), Gray, Dark Brown, Mottled, Moist, Soft		P			Medium Coarse to Coarse				
5	3	1.0	19.6	85		8	NP	--	65
478.5 ft.									
CLAY (CL), Light Gray, Moist, Soft		P			Fine, Medium Dense, Trace of Rock				
	2	2.0	20.1	100		14	NP	--	40
Moist to Wet		P			Medium Coarse to Coarse				
10	3	1.0	20.6	100		13	NP	--	55
Stiff (<6" Layer of Sand)		P			MUDSTONE, Gray, Moist, Very Stiff		P		
	12	1.5	24.1	100		28	3.5	20.8	90
471.0 ft.									
SILTY TILL (ML), Gray, Light Brown, Mottled, Moist, Stiff, Trace of Sand		P			450.5 ft.	100/2"	NP	--	100
15	12	3.0	16.1	85	SHALE, Gray, Moist, Hard, Low Fissile				
468.5 ft.					449.8 ft.				
SAND (SP), White, Gray, Moist, Medium Coarse, Loose		NP	--	100	End of Exploration at -34.7 ft.				
466.0 ft.	9				Notes:				
SANDY LOAM (SP), Gray, Moist to Saturated, Fine, Medium Dense					1) Borehole backfilled with soil cuttings upon final groundwater measurement.				
20	11	NP	--	100	2) Approximate flowline elevation at time of boring was 471.6 ft.				

N: Blows per ft. to Drive 2" O.D. Split Spoon Sampler 12" with 140 lb. Hammer falling 30" (Standard Penetration Test)
Qu: Unconfined Compression Strength
NP: Non-Plastic
ST: Shelby Tube
W: Water Content
Type Failure:
B: Bulge Failure
S: Shear Failure
NS: No Sample
P: Penetrometer
RQD: Rock Quality Determination

Thrill Hill Bridge Replacement
Existing SN 026-3285
Section 15-00067-00-BR
Vandalia, Fayette County, Illinois
Project #170-3435

HURST-ROSCHE, INC.
HILLSBORO, ILLINOIS
PHONE 217/532-3959

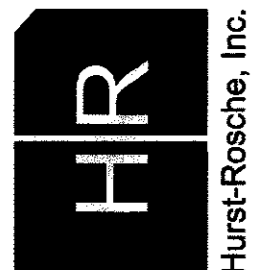
DATE: May 4, 2016
BORING TECH: M. Keller
DRILLING TECH.: D. Kistner

FOUNDATION BORING LOG

BORING NO.: 2	N	Qu	W	REC	GROUNDWATER ELEV.	N	Qu	W	REC
COORDINATES: 10 ft. East of East Abutment; Centerline	Value	(tsf)	(%)	(%)	COMP.: --	Value	(tsf)	(%)	(%)
SURFACE ELEV.: 485.0 ft.					AFTER 24 HRS.: 472.5 ft.; Bridge at 465.0 ft.				
Oil & Chip (4")	0				20				
CLAY LOAM (CL), Gray, Brown, Mottled, Dry to Moist, Stiff, Trace of Gravel		P			464.0 ft.				
	9	2.0	12.9	80	SAND (SP), Dark Gray, Saturated, Medium Coarse to Coarse, Loose				
						7	NP	--	85
Very Stiff, Trace of Gravel		P							
5	21	1.0	11.4	70		25	9	NP	--
479.0 ft.									
CLAY (CL), Light Gray, Moist, Medium Stiff		P			Medium Dense				
	6	1.5	18.8	85		30	NP	--	45
Moist		P			456.5 ft.		P		
10	5	0.5	21.3	100	SILT (ML), Gray, Wet, Stiff				
474.0 ft.						30	12	1.0	25.1
SANDY LOAM (SP), Brown, Gray, Moist to Saturated, Fine, Loose		NP			451.5 ft.				
	8		16.4	95					
471.5 ft.									
CLAY (CL), Gray, Light Brown, Mottled, Moist, Stiff		P			SILTSTONE, Gray, Moist, Hard				
15	9	1.5	14.6	90		35	35	--	20.2
469.0 ft.									
SAND (SP), Gray, Moist to Saturated, Fine, Loose		NP	--	80					
466.5 ft.	9								
SANDY CLAY LOAM (SP), Dark Gray, Moist to Saturated, Fine, Loose					SILTY CLAY TILL (CL), Gray, Moist, Very Stiff				
20	7	NP	--	85	446.5 ft.	100/6"	NP	--	85
					SHALE, Gray, Dry, Hard, Moderately Fissile	40			

N: Blows per ft. to Drive 2" O.D. Split Spoon Sampler 12" with 140 lb. Hammer falling 30" (Standard Penetration Test)
Qu: Unconfined Compression Strength
NP: Non-Plastic
ST: Shelby Tube
W: Water Content
Type Failure:
B: Bulge Failure
S: Shear Failure
NS: No Sample
P: Penetrometer
RQD: Rock Quality Determination

HURST-ROSCHE, INC.
HILLSBORO, ILLINOIS 62049
PHONE (217)532-3959
JOB NO. 170-3435



Hurst-Rosche, Inc.

FILE NAME =	USER NAME =	DESIGNED - CJC	REVISIONS -
		CHECKED - MEB	REVISIONS -
		DRAWN - UJ	REVISIONS -
		CHECKED - CJC	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

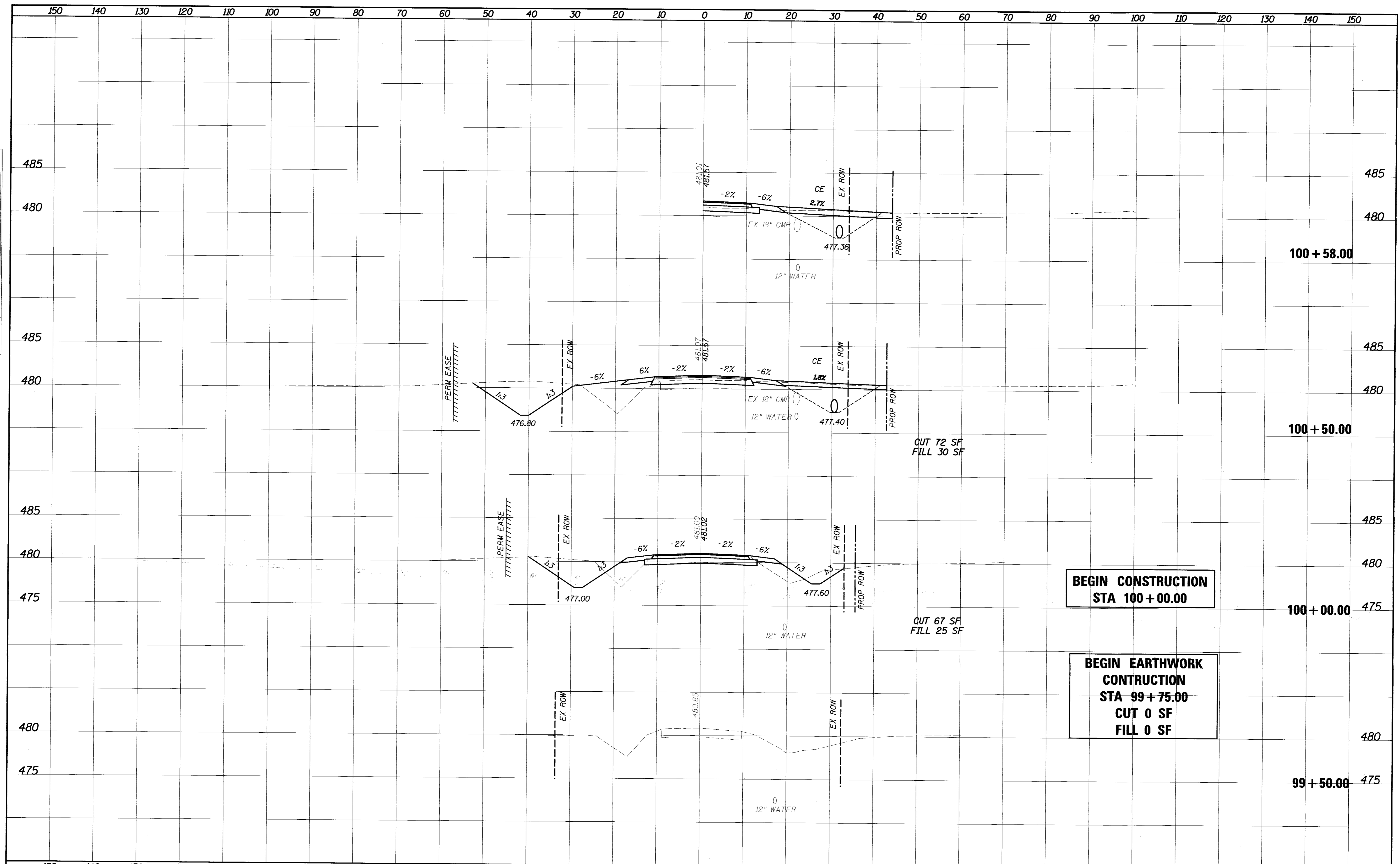
SOIL BORING LOGS
STRUCTURE NO. 026-6013

SHEET NO. 8 OF 9 SHEETS

F.A.U.	SECTION	COUNTY	SHEETS	NO.
8430	15-00067-00-BR	FAYETTE	22	15
CONTRACT NO. 95807			ILLINOIS FED. AID PROJECT	

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

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
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AREAS CHECKED	



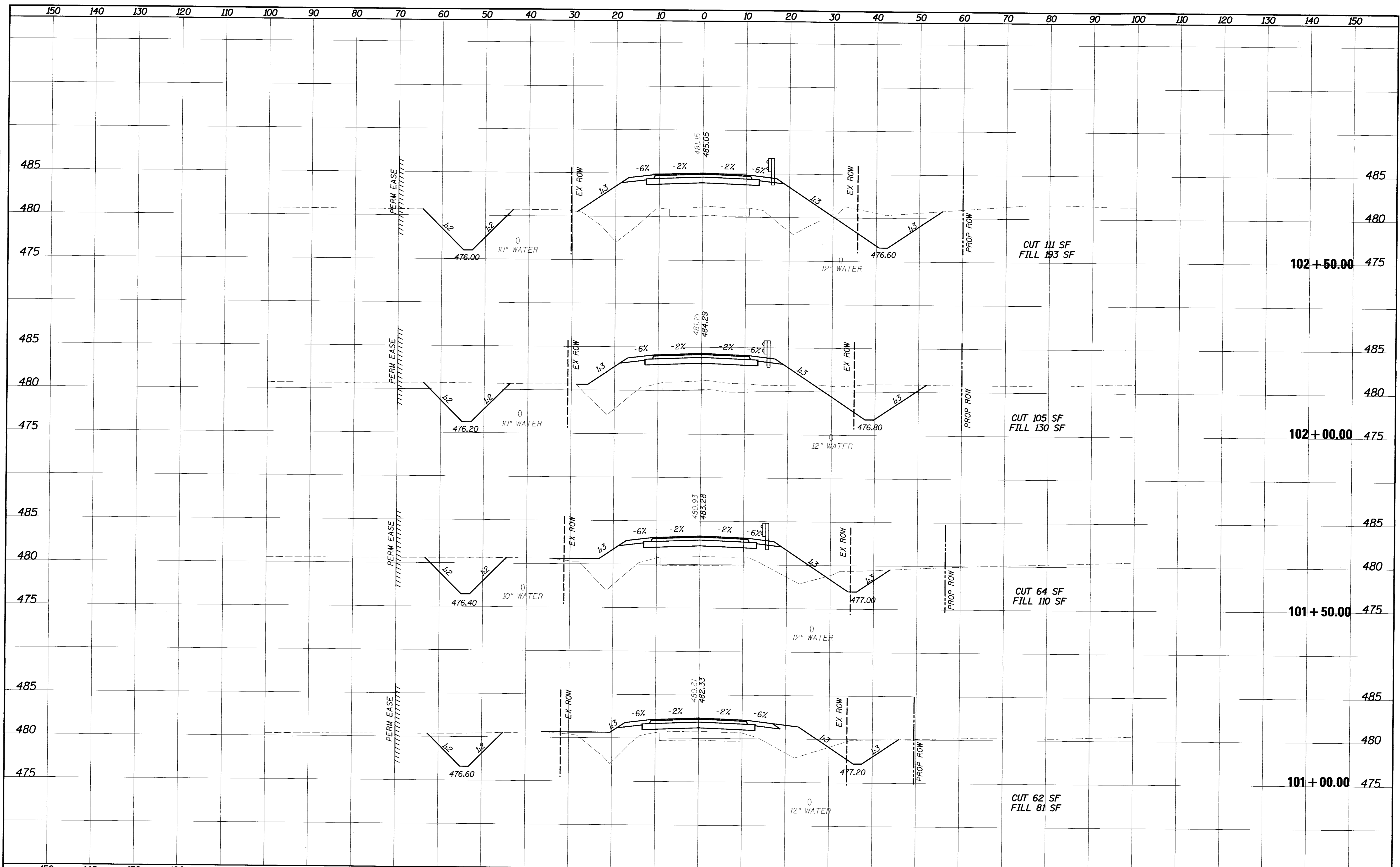
**BEGIN CONSTRUCTION
STA 100+00.00**

**BEGIN EARTHWORK
CONSTRUCTION
STA 99+75.00
CUT 0 SF
FILL 0 SF**

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FILEL		DRAWN -	REVISED -		SCALE: SHEET NO. 1 OF 6 SHEETS STA. 99+50.00 TO STA. 100+58.00				CONTRACT NO. 95807				
		CHECKED -	REVISED -						ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -										

DATE	
BY	
SURVEYED	
FLIPPED	
NOTE BOOK	
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AREAS CHECKED	

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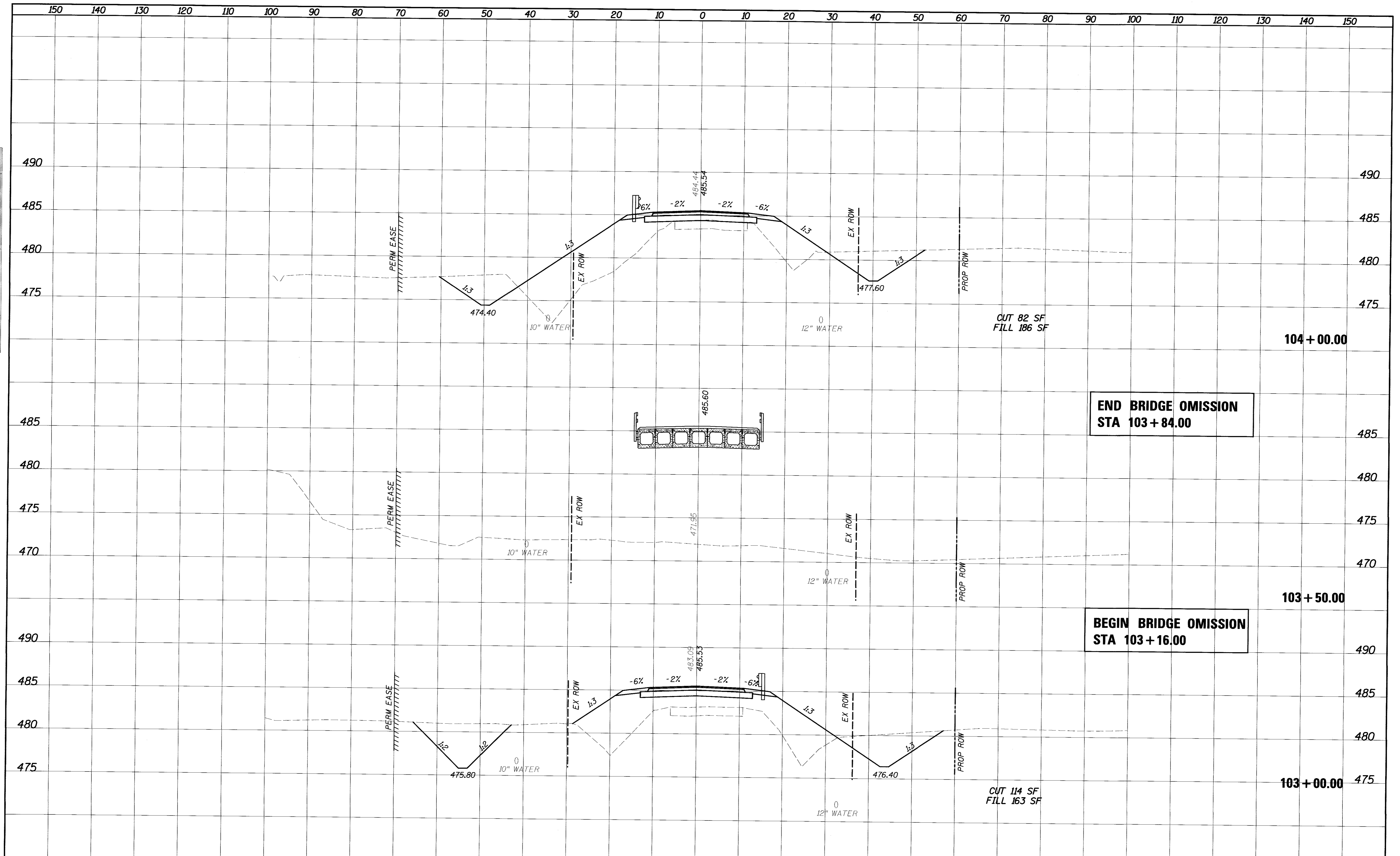


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		DATE -	REVISED -										

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

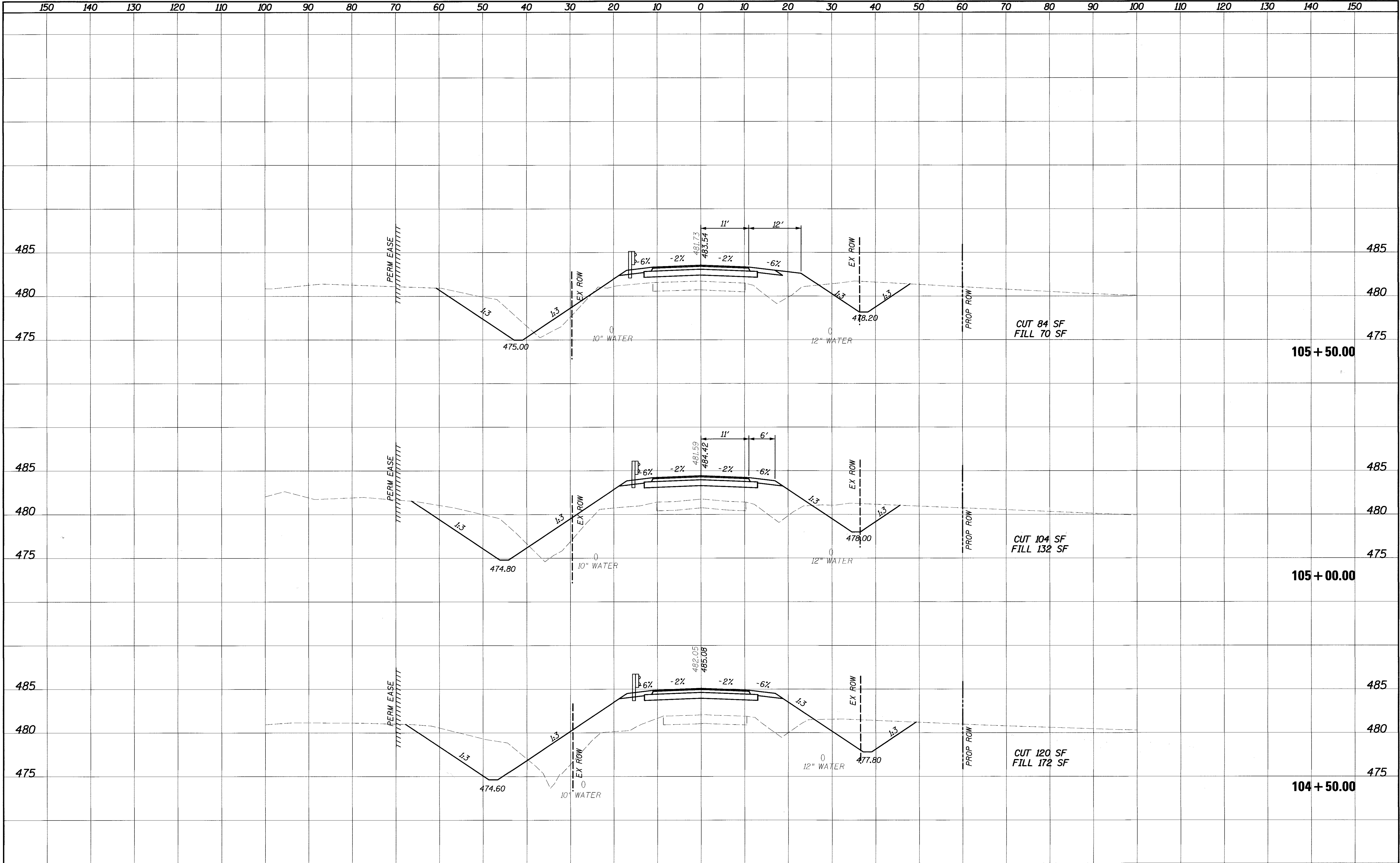
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SURVEY	BY
NOTE BOOK	
NO.	AREAS CHECKED



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	PLOT DATE = #DATE#	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

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

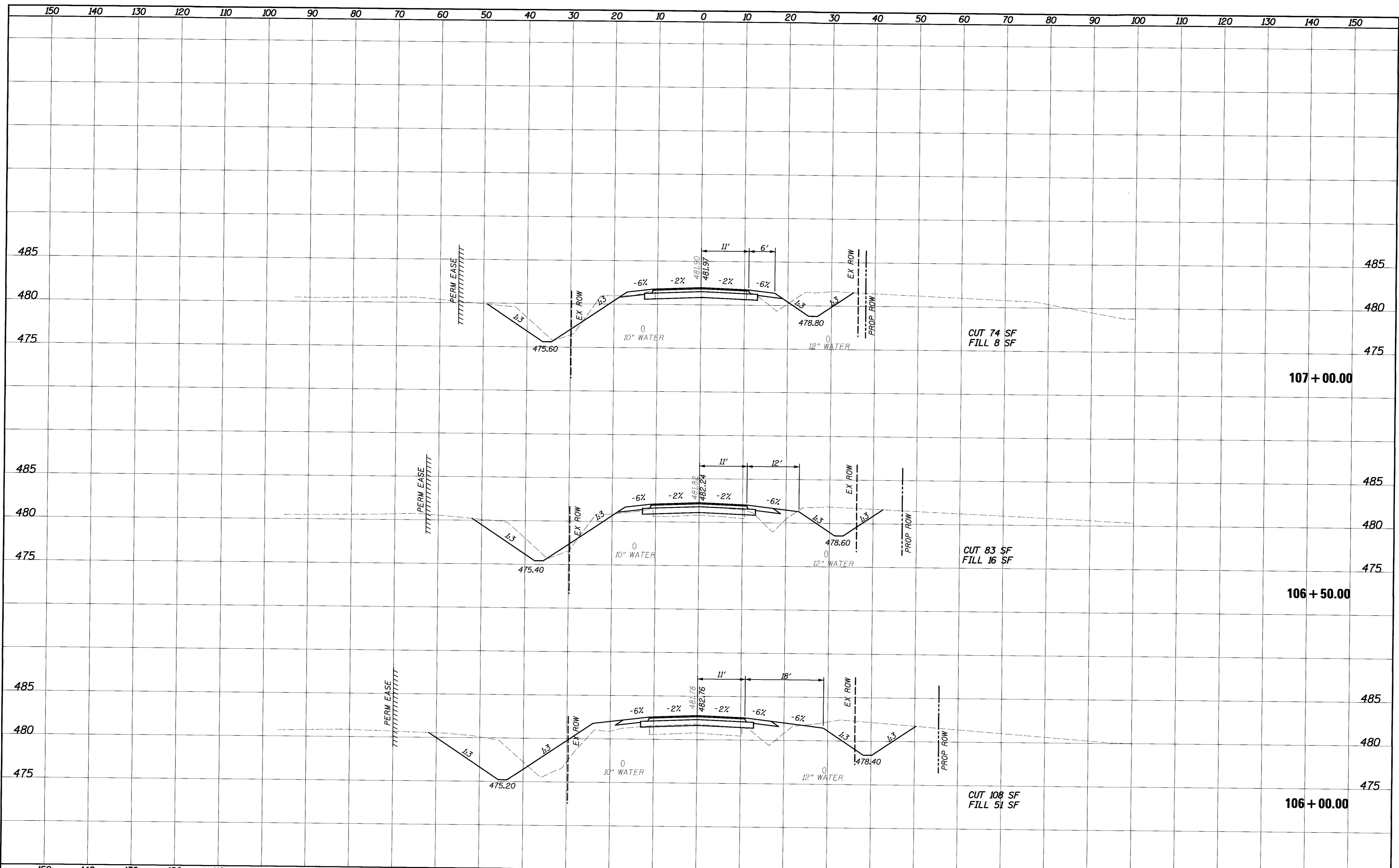
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = #USER*	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS FAU 8430 OVER BEAR CREEK			F.A.U. RTE. 8430	SECTION 15-00067-00-BR	COUNTY FAYETTE	TOTAL SHEETS 22	SHEET NO. 20	
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	PLOT DATE = #DATE*	CHECKED -	REVISED -										
		DATE -	REVISED -										

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

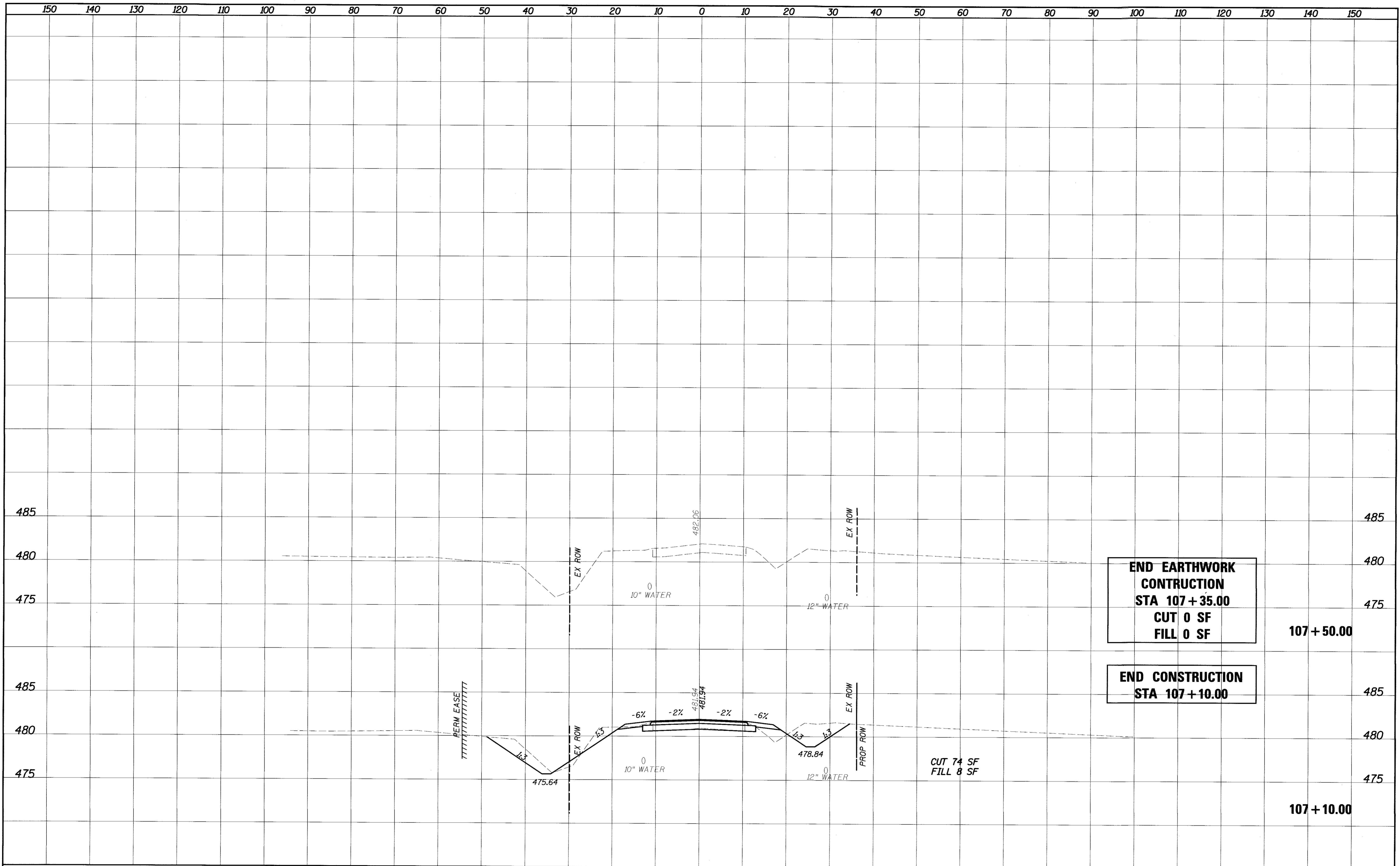
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SURVEYED	BY
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	



FILE NAME -	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS FAU 8430 OVER BEAR CREEK			FAU RTE. 8430	SECTION 15-00067-00-BR	COUNTY FAYETTE	TOTAL SHEETS 22	SHEET NO. 21
\$FILEL#		DRAWN -	REVISED -		SCALE:	SHEET NO. 5 OF 6 SHEETS	STA. 106+00.00 TO STA. 107+00.00	CONTRACT NO. 95807				
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



**END EARTHWORK
CONSTRUCTION
STA 107+35.00
CUT 0 SF
FILL 0 SF**

107+50.00

**END CONSTRUCTION
STA 107+10.00**

107+10.00

**CUT 74 SF
FILL 8 SF**

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS FAU 8430 OVER BEAR CREEK		F.A.U. RTE. 8430	SECTION 15-00067-00-BR	COUNTY FAYETTE	TOTAL SHEETS 22	SHEET NO. 22
#FILE#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE:	SHEET NO. 6 OF 6 SHEETS	STA. 107+10.00 TO STA. 107+50.00	CONTRACT NO. 95807		ILLINOIS FED. AID PROJECT	
	PLOT DATE = #DATE#	CHECKED -	REVISED -								