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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND HIGHWAY STANDARDS			
SCALE : NONE	SHEET OF SHEETS	STA. TO STA.	

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	2
CONTRACT NO. 87688				
ILLNOI \$ FED AID ROECT P4(126)				

GENERAL NOTES

COMMITMENTS

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
2. BEFORE STARTING ANY EXCAVATIONS, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, WATER AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
3. THE LOCATIONS OF THE EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, REPRESENT DATA RECEIVED FROM VARIOUS SOURCES. IT IS NOT GUARANTEED TO BE CORRECT OR ALL INCLUSIVE. THE CONTRACTOR SHALL CONDUCT HIS OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OF ANY AND ALL EXISTING UTILITIES WHICH MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR.
4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE NATURE AND STATUS OF ALL UTILITY RELOCATION WORK PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT INTERFERE WITH UTILITY FACILITIES AND RELOCATION WORK. THE CONTRACTOR'S SCHEDULE SHOULD REFLECT CONSTRUCTION SEQUENCING WHICH COORDINATES WITH ALL UTILITY RELOCATION WORK. THE CONTRACTOR SHALL BE REQUIRED TO ADJUST THE SEQUENCE SCHEDULE OF WORK TO COORDINATE WITH THE RELOCATION SCHEDULE OF CONFLICTING UTILITY COMPANIES.
5. ALL RELEVANT UTILITIES SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. SEE SPECIAL PROVISIONS FOR STATUS OF UTILITIES FOR CONTACT INFORMATION OF UTILITY OWNERS.
6. UTILITY ADJUSTMENTS FOR PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENT SHALL BE MADE BY THE RESPECTIVE OWNERS.
7. THE CONTRACTOR'S SUPERINTENDENT OR AUTHORIZED AGENT, AS DEFINED IN ARTICLE 105.06 OF THE STANDARD SPECIFICATIONS, MUST BE AVAILABLE IN CASE OF EMERGENCIES ON A TWENTY-FOUR (24) HOUR BASIS.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT.
9. AT THE TIME OF THE PRECONSTRUCTION MEETING, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE PROPOSED CONCRETE TRUCK WASHOUT LOCATIONS. RUNOFF FROM WASH AREAS SHALL BE CONTAINED IN DESIGNATED AREAS SO THAT RUNOFF DOES NOT REACH THE CREEK.
10. ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING CRUSHED STONE OR CRUSHED GRAVEL AS TEMPORARY ACCESS.
11. THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES. CONTACT INFORMATION WILL BE PROVIDED AT THE PRE-CONSTRUCTION MEETING.
12. THE DAY'S PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
13. THE SURVEY DATUM USED FOR THIS PROJECT IS NAVD88.
14. ALL EXCAVATION AND EMBANKMENT LOCATIONS REQUIRING SEEDING SHALL BE CONSTRUCTED TO 6 INCHES BELOW FINISHED GRADE TO ALLOW FOR TOPSOIL PLACEMENT.
15. ANY DAMAGE TO PAVEMENT, SIDEWALK, CURB OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFICALLY TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
16. THE CONTRACTOR SHALL REPLACE ALL STREET SIGNS AND MAIL BOXES REMOVED DURING CONSTRUCTION AS NEAR AS POSSIBLE TO THEIR ORIGINAL LOCATION OR AS DETERMINED BY THE ENGINEER. THIS WORK SHALL BE IN ACCORDANCE WITH ARTICLES 107.20 AND 107.25.
17. NO STOCKPILING MATERIAL WILL BE ALLOWED IN FLOODPLAIN.
18. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
19. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
20. AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED. POTENTIAL UNDERCUT LOCATIONS ARE LISTED IN THE TYPICAL SECTIONS.
21. THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. SEE AVAILABLE REPORTS SPECIFICATION FOR CONTACT INFORMATION TO OBTAIN EXISTING BRIDGE PLANS.
22. THE PERMITS LISTED BELOW AND INCLUDED IN THE SPECIAL PROVISIONS ARE BEING PROVIDED FOR PROJECT CONSTRUCTION:
 - UNITED STATES ARMY CORP OF ENGINEERS PERMIT
 - ILLINOIS DEPARTMENT OF NATURAL RESOURCES INCIDENTAL TAKE AUTHORIZATION.

SEE EACH PERMIT FOR ADDITIONAL INFORMATION. IF THE CONTRACTOR ELECTS TO PURSUE MEANS AND METHODS NOT ACCOMODATED BY THE APPROVED PERMITS, HE WILL BE RESPONSIBLE FOR PERMIT RESUBMITTAL, AGENCY COORDINATION AND RELATED COSTS. NO EXTENSION OF TIME OR COMPENSATION WILL BE GRANTED AS A RESULT OF ANY DELAY IN OBTAINING THE PERMIT TO START CONSTRUCTION.
23. THIS PROJECT REQUIRES AN INCIDENTAL TAKE AUTHORIZATION FROM ILLINOIS DEPARTMENT OF NATURAL RESOURCES FOR CONSTRUCTION ACTIVITIES THAT MAY POTENTIALLY AFFECT THE GRAVEL CHUB FISH. IN ACCORDANCE WITH THAT AUTHORIZATION, THE CONTRACTOR IS TO KEEP AS MUCH RIVER HABITAT OPEN AS POSSIBLE WITH ONLY ONE BEING CONSTRUCTED OR DEMOLISHED AT A TIME.
24. ANY FARM DRAIN, FIELD TILE SYSTEM OR OTHER TILE FACILITY ENCOUNTERED DURING THE PROPOSED WORK SHALL BE LOCATED, STAKED AND REPORTED TO THE RESIDENT ENGINEER. DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN ITS ORIGINAL ALIGNMENT. IF THIS CANNOT BE ACCOMPLISHED, THE TILE SHALL BE REPAIRED AND CONNECTED TO THE PROPOSED STORM SEWER SYSTEM OR DITCH IN SUCH A MANNER AS TO RENDER THE LINES USABLE FOR THE PURPOSES INTENDED. THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.

- 1.) STRUCTURE NO: 019-4009 IS RESTRICTED TO LEGAL LOADS ONLY.
- 2.) TREES 3 INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT WILL NOT BE CLEARED APRIL 1 THROUGH SEPTEMBER 30.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES	
SCALE: NONE	SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	3
CONTRACT NO. 87688				
ILLINOIS FED. AID PROJECT P4AD(126)				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				80% FED 20% LOCAL BRIDGE 0010 RURAL
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	45	45
* 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	68	68
20101000	TEMPORARY FENCE	FOOT	200	200
20101100	TREE TRUNK PROTECTION	EACH	9	9
* 20101200	TREE ROOT PRUNING	EACH	9	9
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	5	5
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	4	4
20200100	EARTH EXCAVATION	CU YD	326	326
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	345	345
20400800	FURNISHED EXCAVATION	CU YD	73	73
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	420	420
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	234	234
* 25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25
* 25000314	SEEDING, CLASS 4B	ACRE	0.25	0.25
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	46	46
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	46	46

* INDICATES SPECIALTY ITEM S CONSTRUCTION TYPE CODE 0042
 SP INDICATES ITEMS COVERED BY SPECIAL PROVISIONS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				80% FED 20% LOCAL BRIDGE 0010 RURAL
* SP 25100115	MULCH, METHOD 2	ACRE	1.0	1.0
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	490	490
28000305	TEMPORARY DITCH CHECKS	FOOT	150	150
28000400	PERIMETER EROSION BARRIER	FOOT	380	380
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	1,395	1,395
SP 30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	20	20
SP 30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	140	140
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	456	456
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	132	132
44000100	PAVEMENT REMOVAL	SQ YD	280	280
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	220	220
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	330	330
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50200100	STRUCTURE EXCAVATION	CU YD	162	162
50200300	COFFERDAM EXCAVATION	CU YD	237.3	237.3
50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1	1

* INDICATES SPECIALTY ITEM S CONSTRUCTION TYPE CODE 0042
 SP INDICATES ITEMS COVERED BY SPECIAL PROVISIONS

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	4
CONTRACT NO. 87688			ILLINOIS FED. AID PROJECT P4AD(126)	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED	20% LOCAL
				BRIDGE	
				0010	
				RURAL	
50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1	1	
50201123	COFFERDAM (TYPE 2) (LOCATION - 3)	EACH	1	1	
50201124	COFFERDAM (TYPE 2) (LOCATION - 4)	EACH	1	1	
50201105	COFFERDAM (TYPE 1) (LOCATION - 5)	EACH	1	1	
50300225	CONCRETE STRUCTURES	CU YD	143.8	143.8	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	444.2	444.2	
50300260	BRIDGE DECK GROOVING	SQ YD	824	824	
50300300	PROTECTIVE COAT	SQ YD	824	824	
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	79.5	79.5	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	178,380	178,380	
* 50901050	STEEL RAILING, TYPE SM	FOOT	489	489	
51201600	FURNISHING STEEL PILES HP12X53	FOOT	376	376	
51201800	FURNISHING STEEL PILES HP14X73	FOOT	1,505	1,505	
51202305	DRIVING PILES	FOOT	1,881	1,881	
51203600	TEST PILE STEEL HP12X53	EACH	2	2	
51203800	TEST PILE STEEL HP14X73	EACH	3	3	

* INDICATES SPECIALTY ITEM § CONSTRUCTION TYPE CODE 0042
 SP INDICATES ITEMS COVERED BY SPECIAL PROVISIONS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED	20% LOCAL
				BRIDGE	
				0010	
				RURAL	
51204650	PILE SHOES	EACH	34	34	
51500100	NAME PLATES	EACH	1	1	
52200015	PERMANENT SHEET PILING	SQ FT	7,320	7,320	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	26	26	
60100945	PIPE DRAINS 12"	FOOT	100	100	
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	104	104	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	125.0	125.0	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10	
67100100	MOBILIZATION	LSUM	1	1	
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4	
* 72501000	TERMINAL MARKER-DIRECT APPLIED	EACH	2	2	
* 78008210	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	FOOT	2,636	2,636	
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8	8	

* INDICATES SPECIALTY ITEM § CONSTRUCTION TYPE CODE 0042
 SP INDICATES ITEMS COVERED BY SPECIAL PROVISIONS

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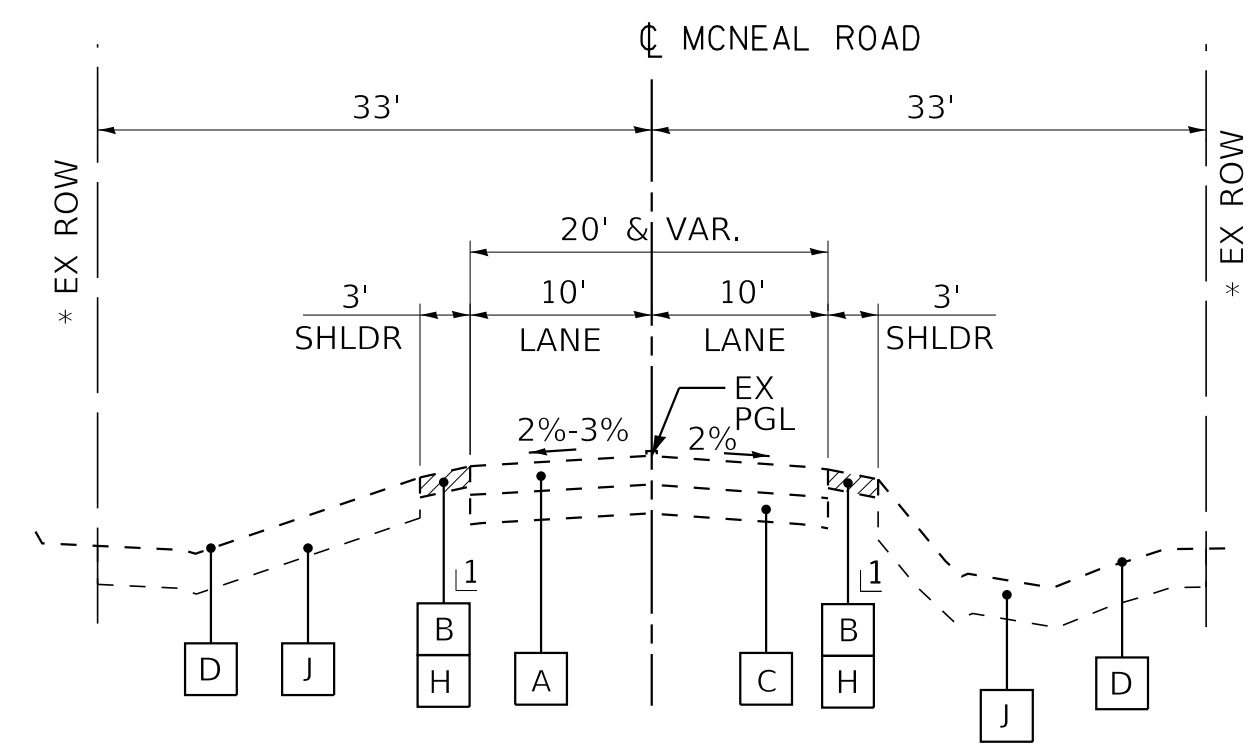
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	5
CONTRACT NO. 87688			ILLINOIS FED. AID PROJECT P4AD(126)	

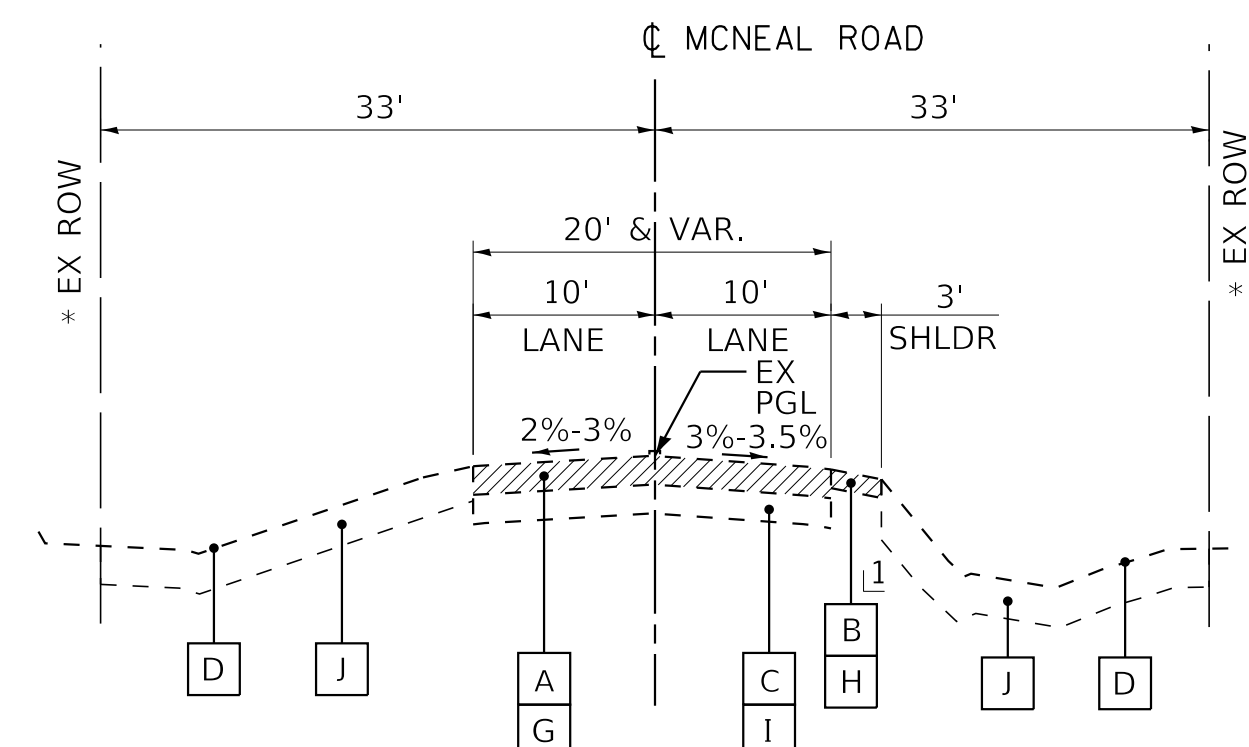


1 REMOVAL OF AGGREGATE SHOULDER PAID FOR AS EATH EXCAVATION

* MONUMENTED AND OCCUPIED

EXISTING TYPICAL SECTION

STA 107+00 TO STA 108+41.40, McNEAL ROAD

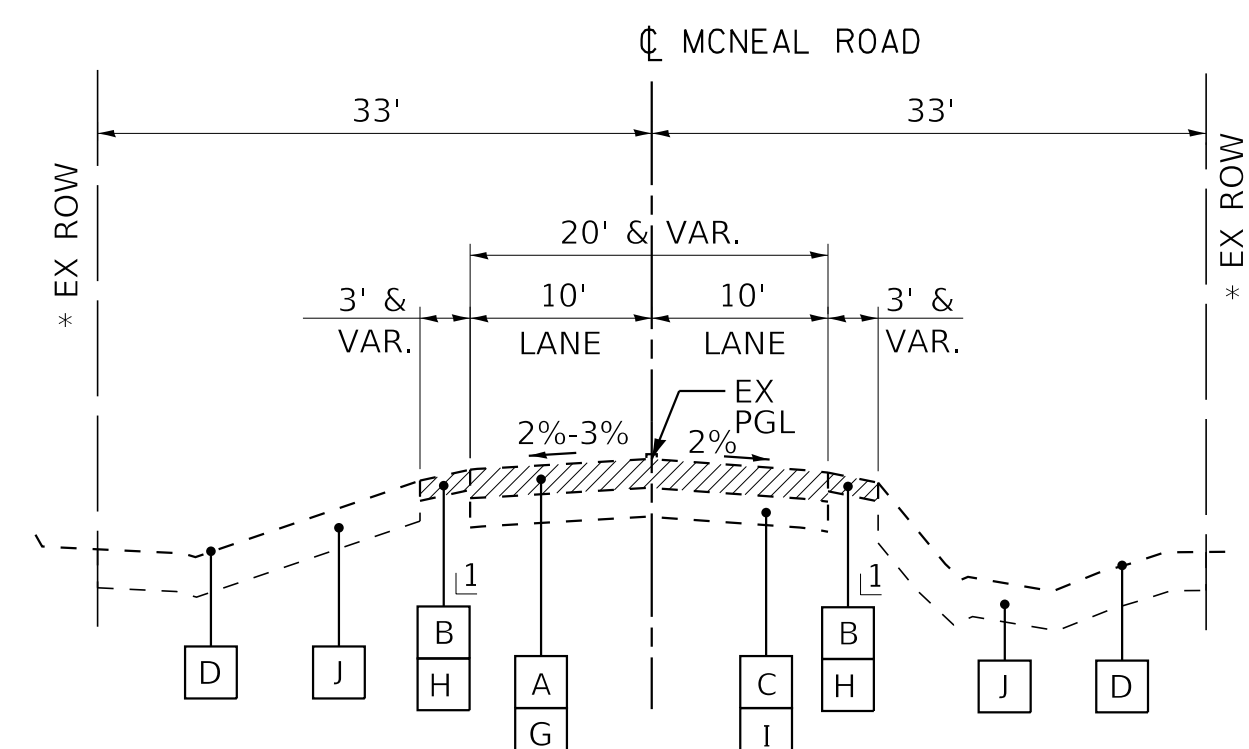


1 REMOVAL OF AGGREGATE SHOULDER PAID FOR AS EATH EXCAVATION

* MONUMENTED AND OCCUPIED

EXISTING TYPICAL SECTION

STA 110+95.68 TO STA 111+58.70, McNEAL ROAD

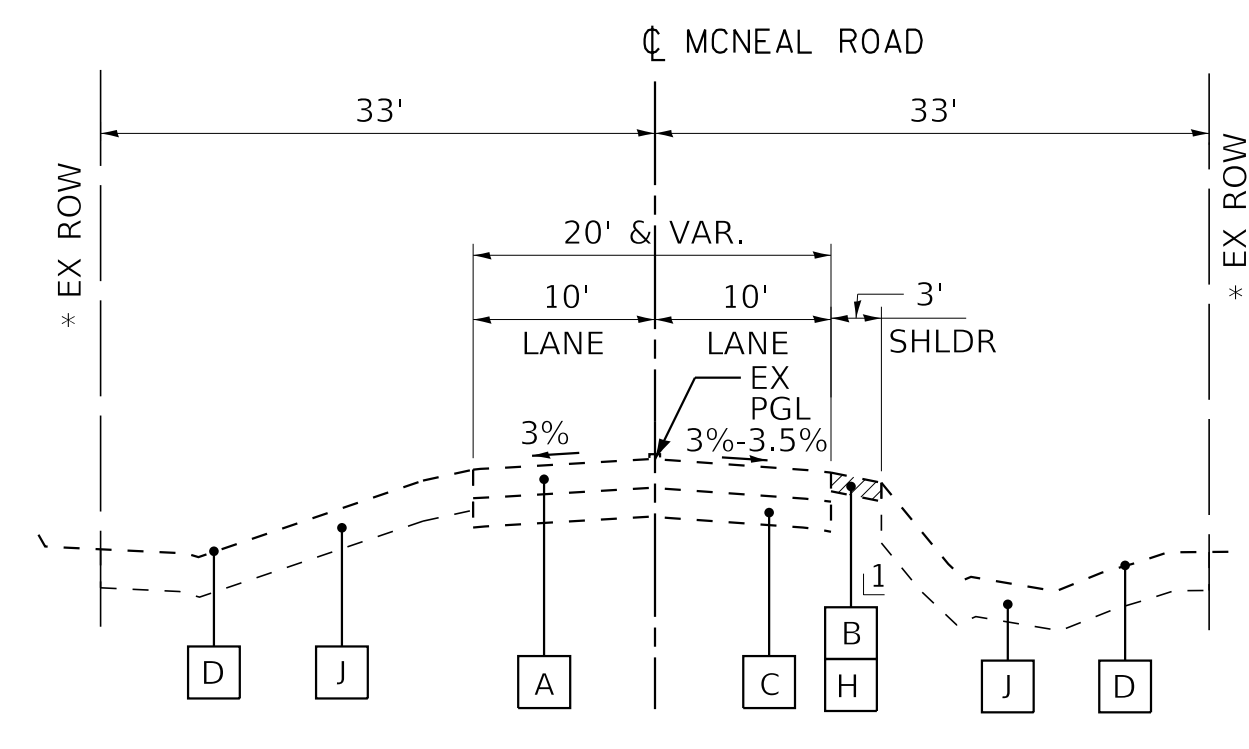


1 REMOVAL OF AGGREGATE SHOULDER PAID FOR AS EATH EXCAVATION

* MONUMENTED AND OCCUPIED

EXISTING TYPICAL SECTION

STA 108+41.40 TO STA 109+04.15, McNEAL ROAD
(BRIDGE OMISSION STA 109+04.15 TO STA 110+95.68)

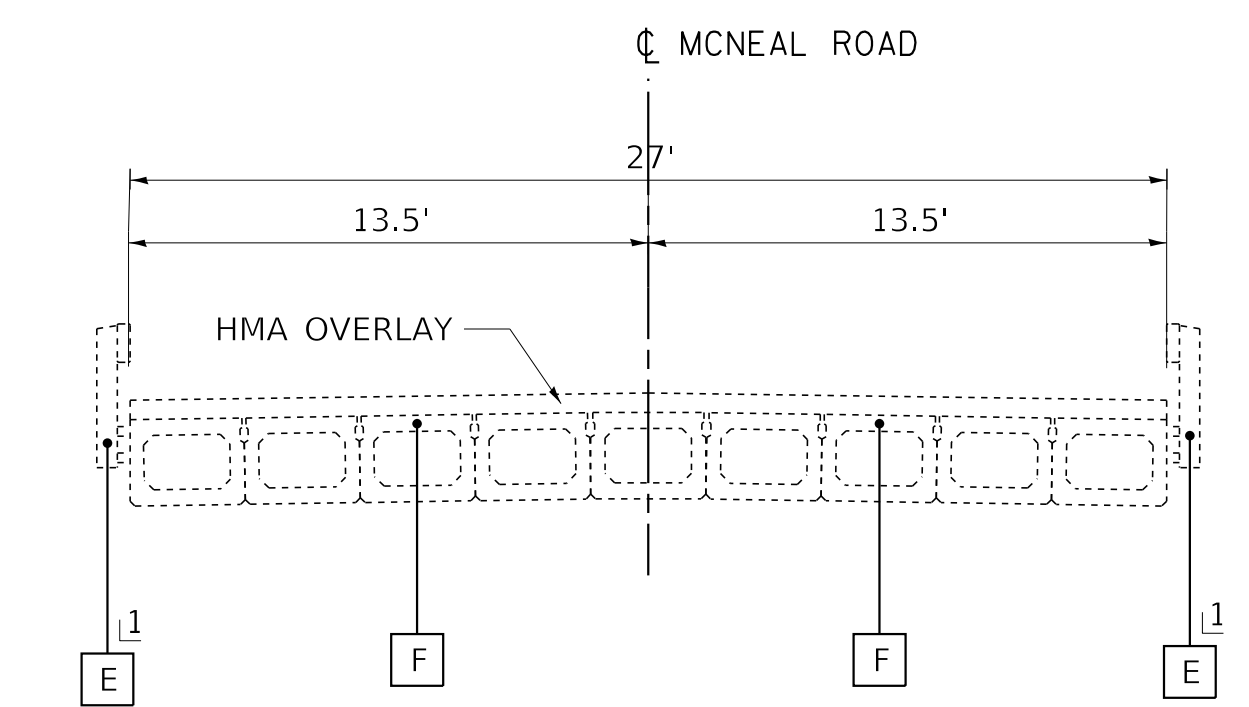


1 REMOVAL OF AGGREGATE SHOULDER PAID FOR AS EATH EXCAVATION

* MONUMENTED AND OCCUPIED

EXISTING TYPICAL SECTION

STA 111+58.70 TO STA 113+00, McNEAL ROAD



1 STEEL RAILING TO BE REMOVED STA 109+04.15 TO STA 110+95.68 INCLUDED IN REMOVAL OF EXISTING STRUCTURES

EXISTING TYPICAL SECTION

STA 109+04.15 TO STA 110+95.68
(SEE STRUCTURAL SHEETS FOR DETAILED INFORMATION)

EXISTING LEGEND

- A HOT-MIX ASPHALT PAVEMENT (VARIES 2.5" TO 3.5")
- B AGGREGATE SHOULDER
- C AGGREGATE SUBGRADE (VARIES 12" TO 18")
- D EXISTING GROUND
- E STEEL RAILING
- F 27"-DEPTH PRESTRESSED DECK BEAM
- G PAVEMENT REMOVAL
- H SHOULDER REMOVAL (TO BE PAID FOR AS EARTH EXCAVATION)
- I EARTH EXCAVATION
- J TOPSOIL REMOVAL (12")
- ITEMS TO BE REMOVED

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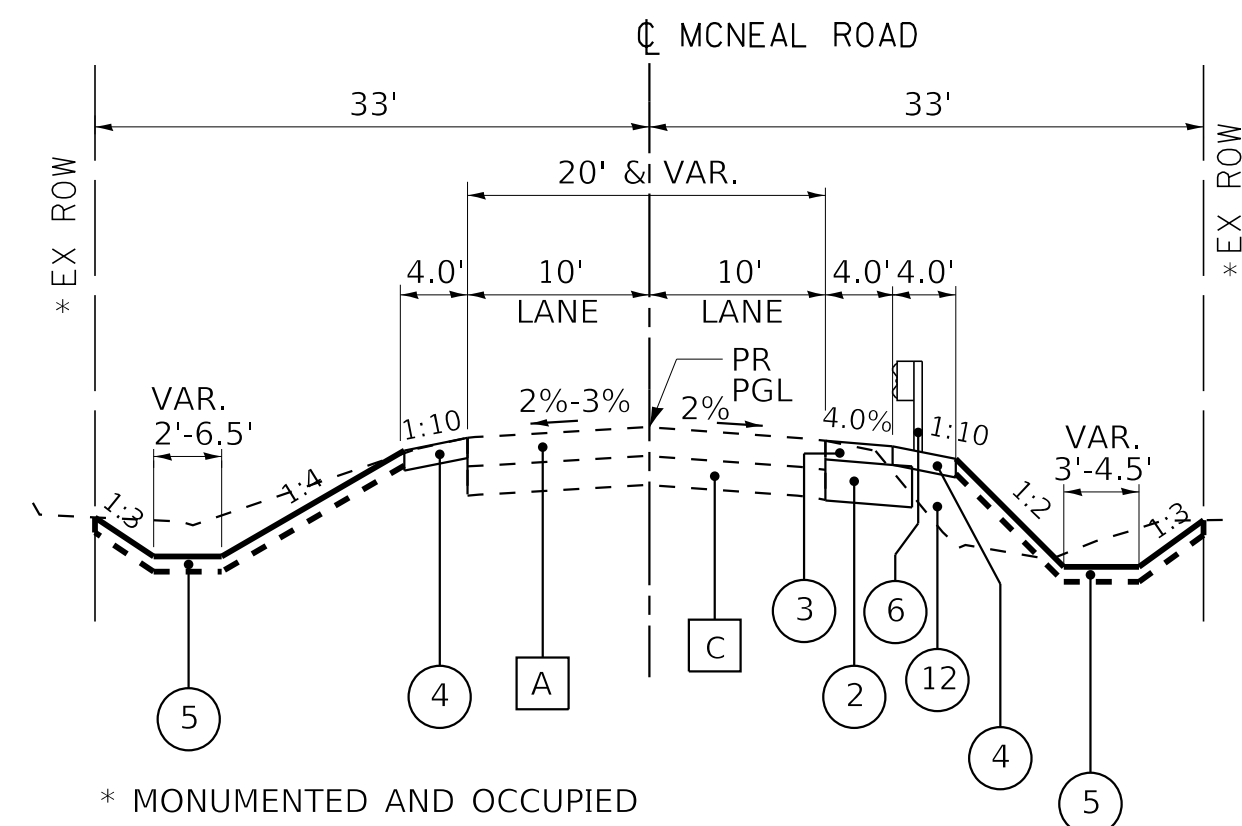
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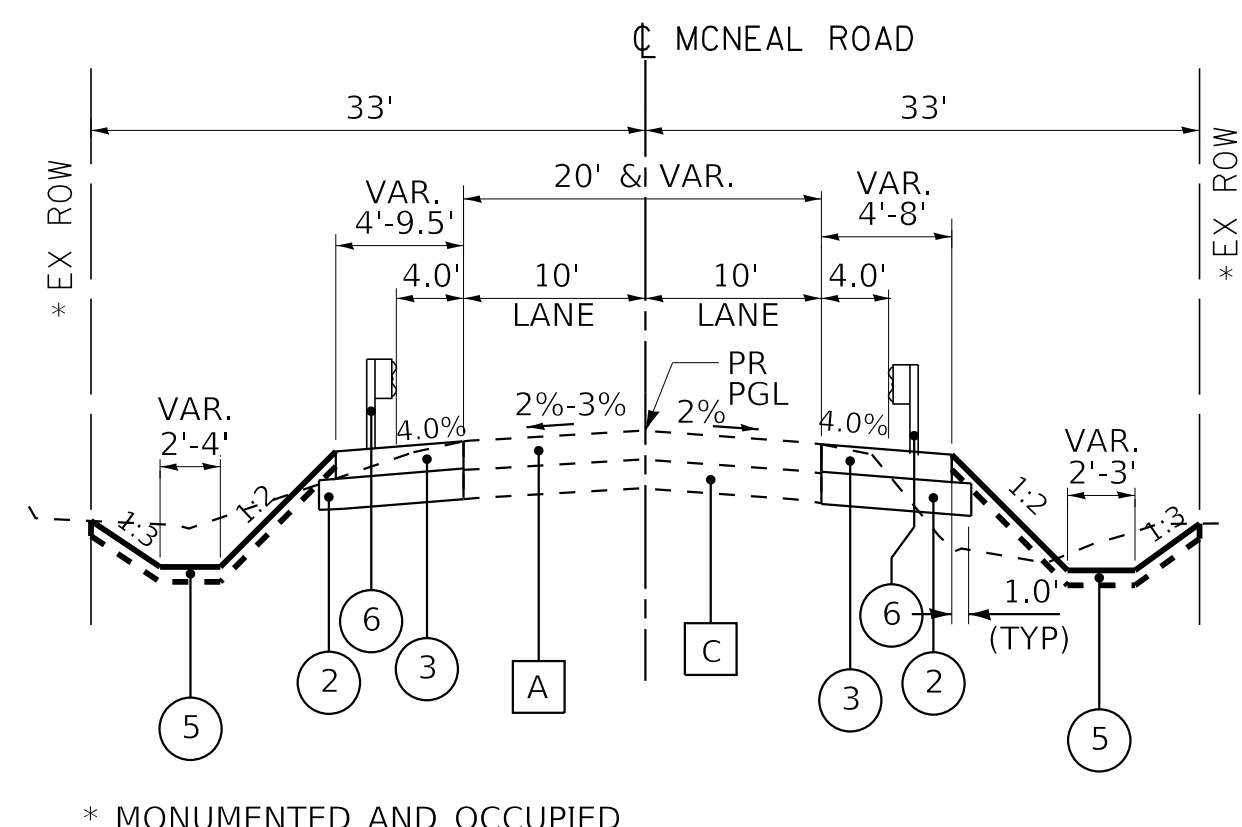
**TYPICAL SECTIONS
McNEAL ROAD**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	7
				CONTRACT NO. 87688
ILLINOIS FED. AID PROJECT P4AD(126)				



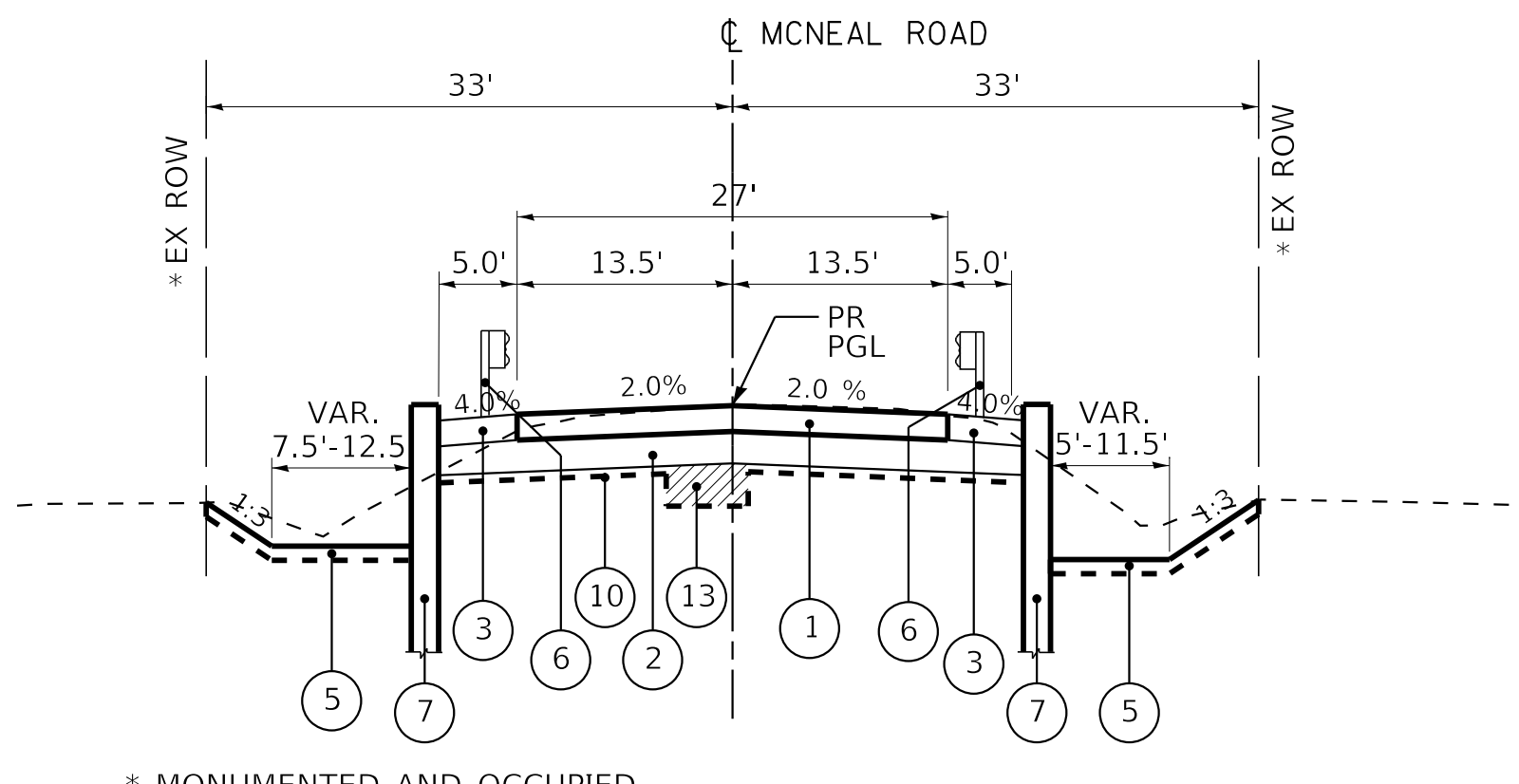
PROPOSED TYPICAL SECTION
STA 107+00 TO STA 108+00, MCNEAL ROAD



PROPOSED TYPICAL SECTION
STA 108+00 TO STA 108+41.40, MCNEAL ROAD
STA 111+58.70 TO STA 112+00, MCNEAL ROAD

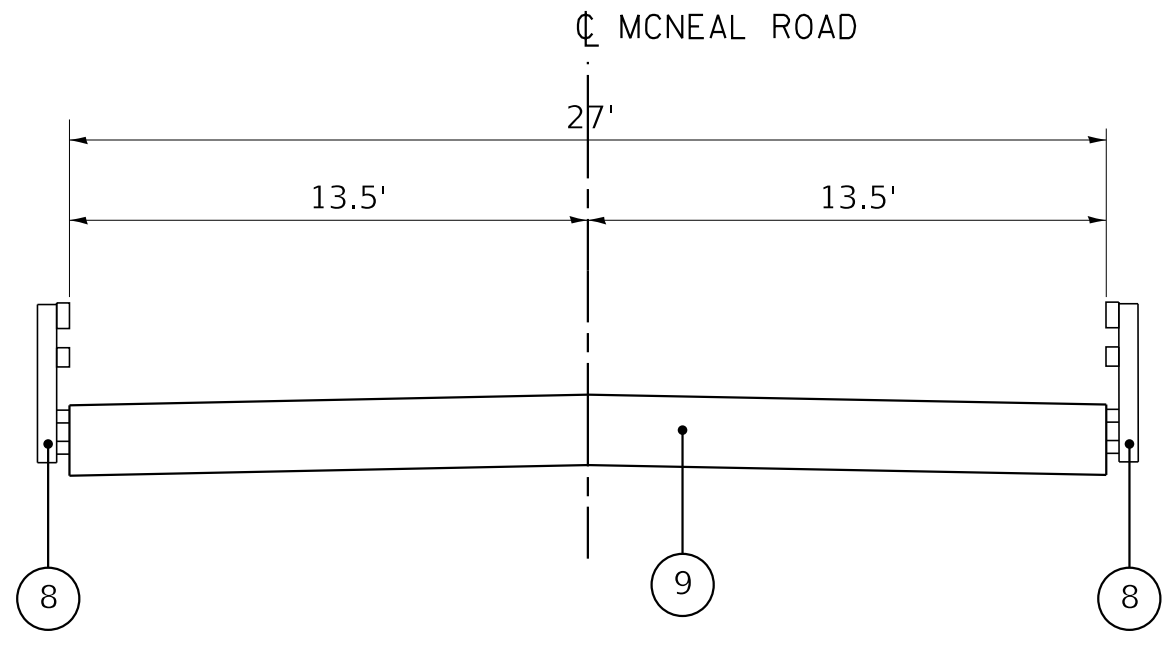
HMA MIXTURE REQUIREMENTS

MIXTURE USE:	HMA SURFACE	HMA BINDER
PG GRADE:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndes = 50	4.0% @ Ndes = 50
MIXTURE COMPOSITION: (GRADATION)	IL 9.5	IL 19.0
FRICITION AGGREGATE	MIXTURE C	N/A
DENSITY TEST METHOD	NUCLEAR/CORES	NUCLEAR/CORES
MIXTURE WEIGHT	112 LB / SQ YD / IN	112 LB / SQ YD / IN
QUALITY MANAGEMENT PROGRAM (QMP)	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A
LOCATION(S)	N/A	N/A



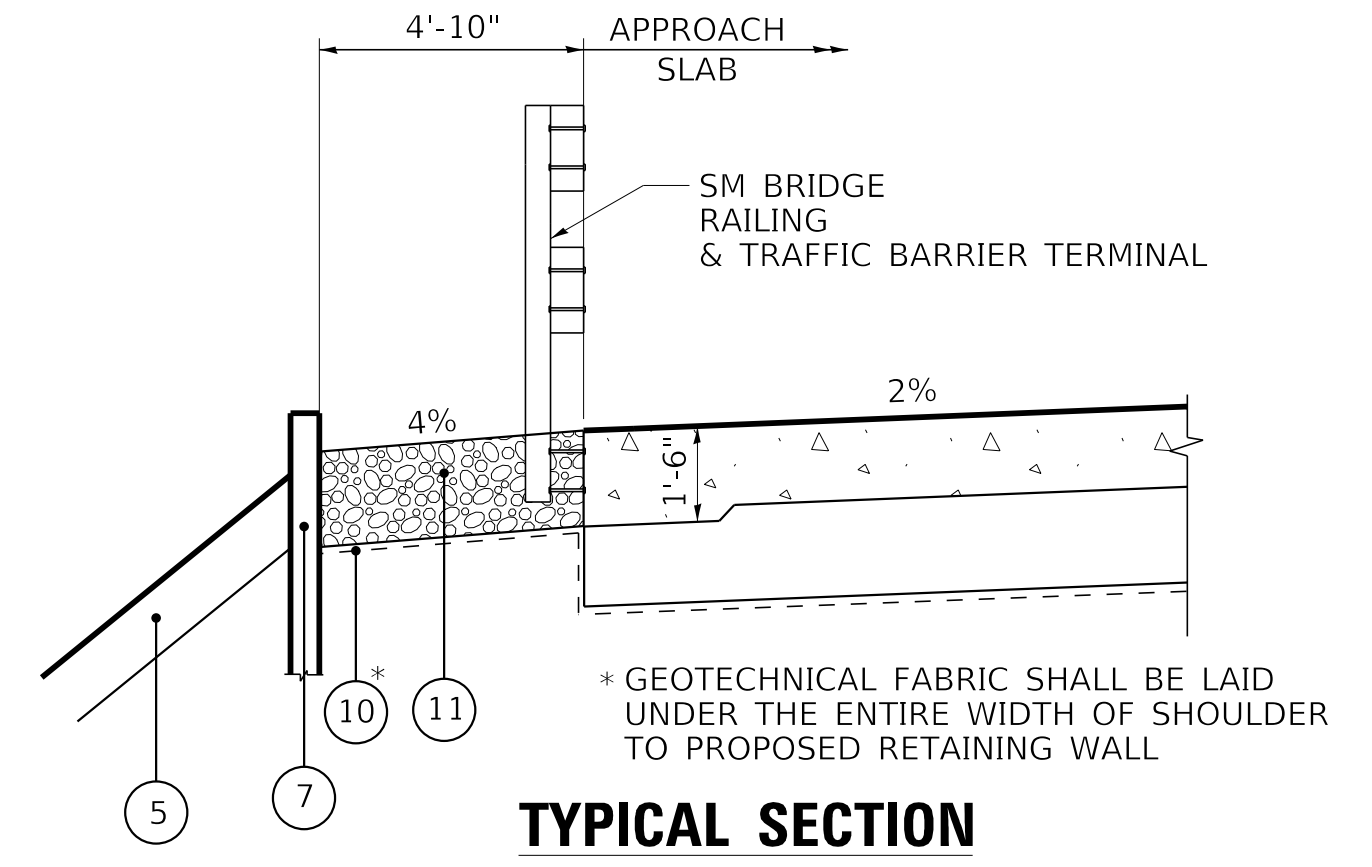
PROPOSED TYPICAL SECTION

(STA 108+41.40 TO STA 108+62.70, MCNEAL ROAD)
(STA 111+37.40 TO STA 111+58.70, MCNEAL ROAD)



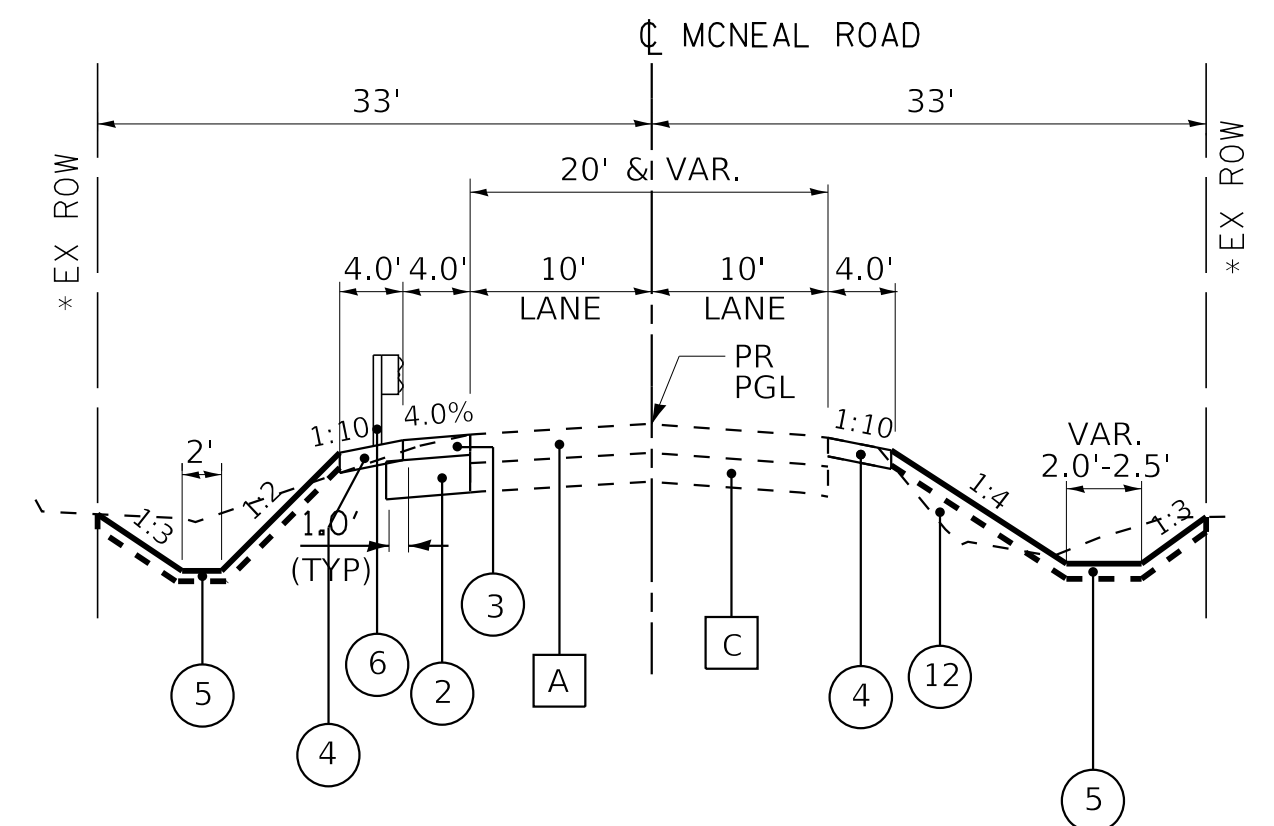
PROPOSED TYPICAL SECTION

(BRIDGE OMISSION STA 108+91.50 TO STA 111+08.50)
(SEE STRUCTURAL SHEETS FOR DETAILED INFORMATION)



TYPICAL SECTION
AGGREGATE SHOULDERS SPECIAL, TYPE C - 18"

PLACED ADJACENT TO APPROACH SLAB
STA 108+55 TO STA 108+88 LT
STA 108+70 TO STA 109+03 RT
STA 110+97 TO STA 111+30 LT
STA 111+12 TO STA 111+45 RT



PROPOSED TYPICAL SECTION

STA 112+00 TO STA 113+00

EXISTING LEGEND

- A HOT-MIX ASPHALT PAVEMENT (VARIES 2.5" TO 3.5")
- B AGGREGATE SHOULDER
- C AGGREGATE SUBGRADE (VARIES 12" TO 18")
- D EXISTING GROUND
- E STEEL RAILING
- F 27"-DEPTH PRESTRESSED DECK BEAM
- G PAVEMENT REMOVAL
- H SHOULDER REMOVAL (TO BE PAID FOR AS EARTH EXCAVATION)
- I EARTH EXCAVATION
- J TOPSOIL REMOVAL (12")
- ITEMS TO BE REMOVED

PROPOSED LEGEND

- 1 PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB - 6 INCH
- 2 AGGREGATE SUBGRADE IMPROVEMENT 12 INCH
- 3 HOT-MIX ASPHALT SHOULDERS, 6"
- 4 AGGREGATE SHOULDERS, TYPE B 6"
- 5 TOPSOIL EXCAVATION AND PLACEMENT (PR TOPSOIL DEPTH 6") SEEDING CLASS 2A OR SEEDING CLASS 4B EROSION CONTROL BLANKET (SPECIAL)
- 6 GUARDRAIL
- 7 RETAINING WALL (STEEL SHEET PILE)
- 8 STEEL RAILING, TYPE SM
- 9 SLAB DECK - 22" DEPTH
- 10 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 11 AGGREGATE SHOULDERS SPECIAL, TYPE C - 18"
- 12 EMBANKMENT
- 13 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS AGGREGATE SUBGRADE IMPROVEMENT

NOTES

- 1. HOT-MIX ASPHALT SHOULDER WIDTH WILL VARY FOR TRAFFIC BARRIER TERMINALS, TYPE 1 (SPECIAL) ACCORDING TO STANDARD 630301.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE	SHEET	OF	SHEETS	STA.	TO	STA.
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TYPICAL SECTIONS
McNEAL ROAD

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	8
CONTRACT NO. 87688				
ILLINOIS FED. AID PROJECT P4AD(126)				

EARTHWORK													
	1	2	3	4	5	6	7	8	9	10	11	12	13
LOCATION STA TO STA	TOPSOIL EXCAVATION (DEPTH 6") (CU YD)	TOPSOIL EXCAVATION FOR PLACEMENT (15% SHRINKAGE) (CU YD)	TOPSOIL PLACEMENT (DEPTH 6") (CU YD)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	AGGREGATE SUBGRADE IMPROVEMENT (CU YD)	UNSUITABLE EXCAVATION (TOPSOIL) (CU YD)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EARTH EXCAVATION (CU YD)	CHANNEL EXCAVATION (CU YD)	TOTAL SUITABLE EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
MCNEAL ROAD	+639	+544	+219	+325	+20	+325	+345	+326	-	+326	+278	+351	(-73)
107+00.00 107+50.00	80.3	68.3	33.5	+34.8	-	34.8	34.8	17.9	-	17.9	15.3	38.3	(-23)
107+50.00 108+00.00	81.8	69.5	31.7	+37.8	-	37.8	37.8	23.0	-	23.0	19.6	34.2	(-15)
108+00.00 108+25.00	0.0	-	0.0	-	-	-	-	14.4	-	14.4	12.3	-	+12
108+25.00 108+50.00	40.8	34.8	12.9	+21.9	5.0	21.9	26.9	36.1	-	36.1	30.7	11.3	+19
108+50.00 108+75.00	41.5	35.3	12.1	+23.2	5.0	23.2	28.2	59.4	-	59.4	50.5	3.3	+47
108+75.00 109+00.00	31.8	27.1	9.0	+18.1	-	18.1	18.1	42.0	-	42.0	35.8	1.7	+34
109+00.00 109+04.15 BRIDGE	3.4	3.0	1.0	+2.0	-	2.0	2.0	3.7	-	3.7	3.2	0.0	+3
110+95.68 111+00.00	4.0	3.5	1.0	+2.5	-	2.5	2.5	2.6	-	2.6	2.2	1.9	+0
111+00.00 111+25.00	35.1	29.9	9.0	+20.9	-	20.9	20.9	34.3	-	34.3	29.2	9.2	+20
111+25.00 111+50.00	45.6	38.9	12.4	+26.5	5.0	26.5	31.5	43.6	-	43.6	37.1	26.3	+11
111+50.00 111+75.00	45.1	38.4	13.4	+25.0	5.0	25.0	30.0	21.5	-	21.5	18.4	42.7	(-24)
111+75.00 112+00.00	46.0	39.2	15.1	+24.1	-	24.1	24.1	7.3	-	7.3	6.3	40.7	(-34)
112+00.00 112+50.00	93.0	79.1	32.6	+46.5	-	46.5	46.5	7.3	-	7.3	6.2	87.4	(-81)
112+50.00 113+00.00	90.0	76.5	34.7	+41.8	-	41.8	41.8	12.3	-	12.3	10.5	53.0	(-43)
TOTALS	639	544	219	325	20	325	345	326	0	326	278	351	(-73)

COLUMN 1 = TOPSOIL REMOVAL DEPTH 6"
 COLUMN 2 = [COLUMN 1] x 0.85
 COLUMN 3 = FROM CROSS SECTION END AREAS, DEPTH 6"
 COLUMN 4 = [COLUMN 2] - [COLUMN 3]
 COLUMN 5 = ASSUMED TO BE 1' DEPTH
 COLUMN 6 = [COLUMN 4] (IF COLUMN 4 > 0)
 COLUMN 7 = [COLUMN 5] + [COLUMN 6]
 COLUMN 8 = FROM CROSS SECTION END AREAS
 COLUMN 9 = EXCAVATION WITHIN CHANNEL OUTSIDE OF STRUCTURE
 COLUMN 10 = [COLUMN 8]
 COLUMN 11 = [COLUMN 10] x 0.85
 COLUMN 12 = FROM CROSS SECTION END AREAS
 COLUMN 13 = [COLUMN 11] - [COLUMN 12]

EARTHWORK PAY ITEM SUMMARY

	TOTAL	
EARTH EXCAVATION	326	CU YD
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	345	CU YD
CHANNEL EXCAVATION	0	CU YD
FURNISHED EXCAVATION	73	CU YD
TOPSOIL EXCAVATION AND PLACEMENT	219	CU YD
AGGREGATE SUBGRADE IMPROVEMENT	20	CU YD

ROADWAY SCHEDULE

	44000100	21001000	30300112	48101500	48203021	40700100	40701861	X4811410
	PAVEMENT REMOVAL	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	AGGREGATE SUBGRADE IMPROVEMENT 12"	AGGREGATE SHOULDERS, TYPE B 6"	HOT-MIX ASPHALT SHOULDERS, 6"	BITUMINOUS MATERIALS (TACK COAT)	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	AGGREGATE SHOULDERS SPECIAL, TYPE C
FROM TO	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	POUND	SQ YD	TON
MCNEAL ROAD								
108+41 109+04	140	210	70	110	170	234	66	18
110+96 111+59	140	210	70	110	200	234	66	18
TOTALS	280	420	140	220	370	468	132	36

PARKWAY RESTORATION SCHEDULE

			21101505	25000210	25000314	25000400	25000600	X2511630
			PROPOSED RESTORATION AREA	TOPSOIL EXCAVATION AND PLACEMENT	SEEDING, CLASS 2A*	SEEDING, CLASS 4B*	NITROGEN FERTILIZER NUTRIENT	EROSION CONTROL BLANKET (SPECIAL)
FROM TO	SIDE	SQ YD	CU YD	ACRE	ACRE	POUND	POUND	SQ YD
107+00 109+15	RT	350	59	0.05	0.08	12	12	350
107+00 108+95	LT	353	59	0.05	0.08	12	12	353
111+14 113+00	RT	354	59	0.05	0.09	13	13	354
110+89 113+00	LT	338	42	0.10		9	9	338
TOTALS		1,395	219	0.25	0.25	46	46	1,395

*Total quantity rounded to nearest 0.25 Acre

EROSION CONTROL SCHEDULE

			28001100	28000250	28000305	25100115	28000400
			TEMPORARY EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	MULCH, METHOD 2*	PERIMETER EROSION BARRIER
FROM TO	SIDE	SQ YD	POUND	FOOT	ACRE	FOOT	
107+00 109+15	RT	350	123	20	0.16		
107+00 108+95	LT	353	124	20	0.16		
111+14 113+00	RT	354	124	40	0.16	202	
110+89 113+00	LT	338	119	70	0.14	178	
TOTALS		1,395	490	150	1.0	380	

*Total quantity rounded to nearest 0.50 Acre

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SCHEDULE OF QUANTITIES

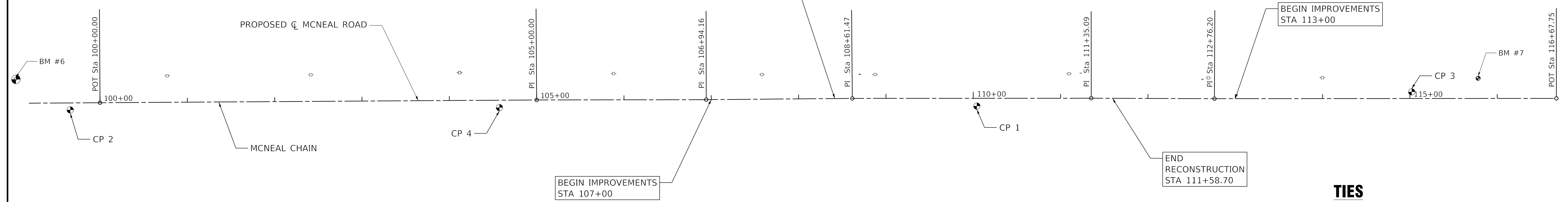
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TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	9
CONTRACT NO. 87688				
ILLINOIS FED. AID PROJECT P4AD(126)				



SOUTH BRANCH KISHWAUKEE RIVER

McNEAL ROAD



CHAIN DESCRIPTION

Chain MCNEAL contains:
MC1 MC2 MC3 MC4 MC5 MC6 MC7

Beginning chain MCNEAL description

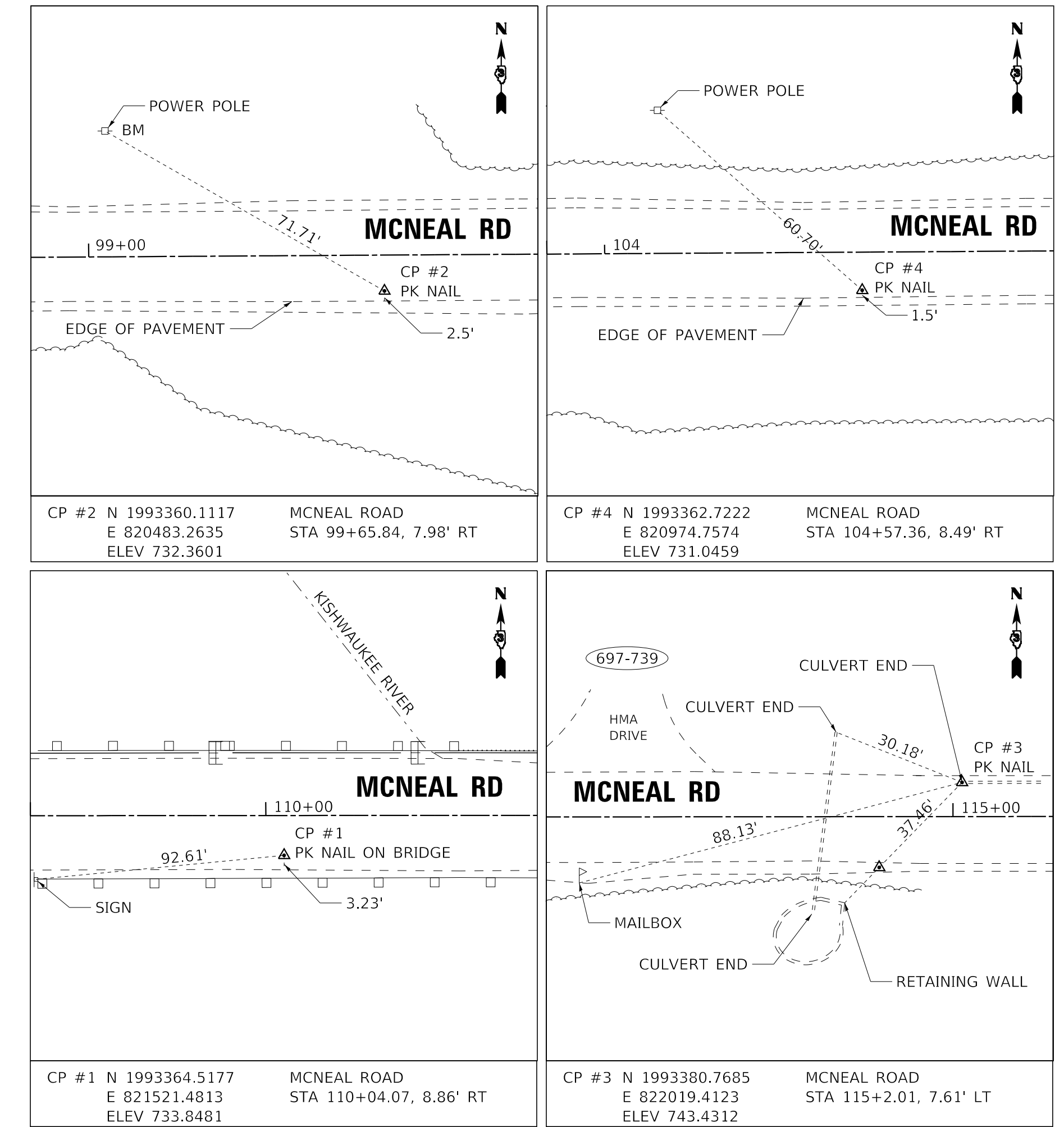
Point MC1	N	1,993,368.32	E	820,517.42	Sta	100+00
Course from MC1 to MC2 N 89° 38' 12" E Dist 500.00						
Point MC2	N	1,993,371.49	E	821,017.41	Sta	105+00
Course from MC2 to MC3 N 89° 54' 10" E Dist 194.16						
Point MC3	N	1,993,371.82	E	821,211.57	Sta	106+94
Course from MC3 to MC4 N 89° 29' 45" E Dist 167.31						
Point MC4	N	1,993,373.29	E	821,378.87	Sta	108+61
Course from MC4 to MC5 N 89° 57' 37" E Dist 273.62						
Point MC5	N	1,993,373.48	E	821,652.49	Sta	111+35
Course from MC5 to MC6 S 89° 47' 23" E Dist 141.11						
Point MC6	N	1,993,372.96	E	821,793.60	Sta	112+76
Course from MC6 to MC7 N 89° 57' 06" E Dist 391.56						
Point MC7	N	1,993,373.29	E	822,185.15	Sta	116+68

Ending chain MCNEAL description

BENCHMARK LIST

BM #6	RAILROAD SPIKE IN POWER POLE NORTH SIDE OF MCNEAL RD STA 99+03.68 ELEV = 733.3538 (NAVD88)
BM #7	RAILROAD SPIKE IN POWER POLE NORTH SIDE OF MCNEAL RD STA 115+78.11 ELEV = 746.1245 (NAVD88)

TIES



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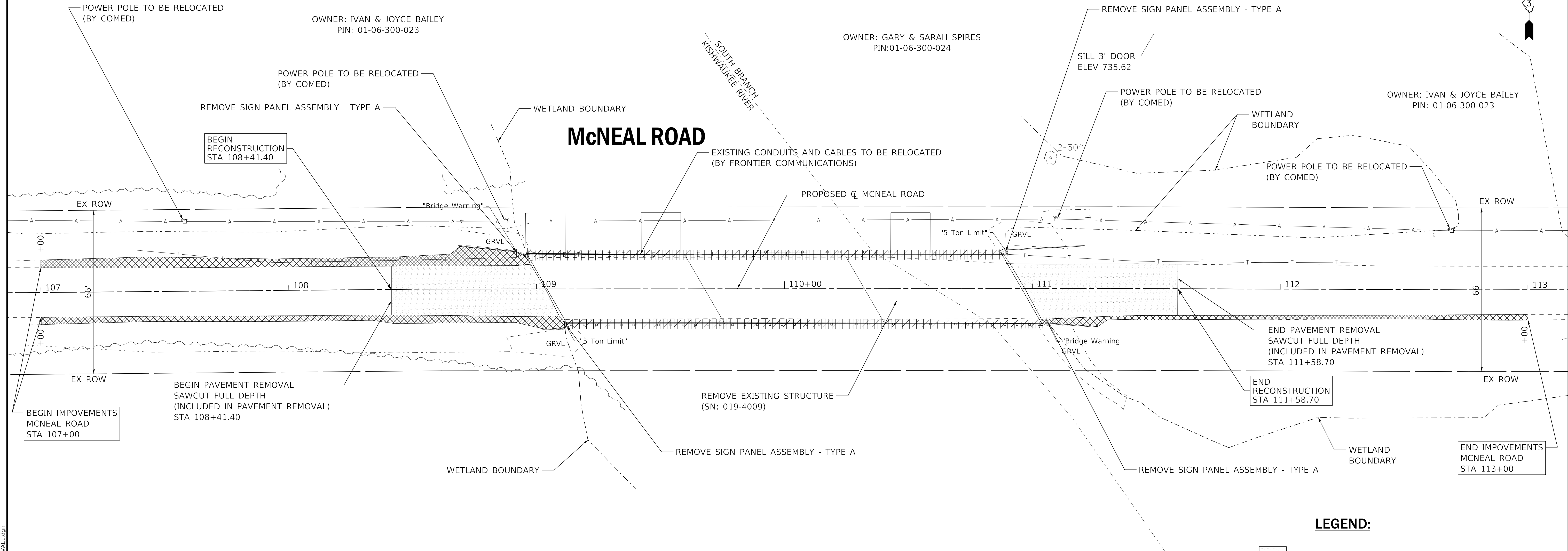
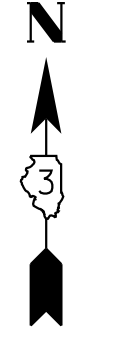
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DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS MCNEAL ROAD

SCALE: NONE SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	10
CONTRACT NO. 87688				
ILLINOIS FED. AID PROJECT P4AD(126)				







OWNER: IVAN & JOYCE BAILEY
PIN: 01-06-300-023

OWNER: GARY & SARAH SPIRES
PIN: 01-06-300-024

OWNER: IVAN & JOYCE BAILEY
PIN: 01-06-300-023

OWNER: EDWARD & PATRICIA HOFF
PIN: 01-07-100-002

LEGEND:

-  PAVEMENT REMOVAL
-  AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
-  STEEL RAILING REMOVAL (INCLUDED IN REMOVAL OF EXISTING STRUCTURES)
-  TREE REMOVAL



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS AND REMOVAL PLAN
McNEAL ROAD OVER S. BR. KISHWAUKEE RIVER**

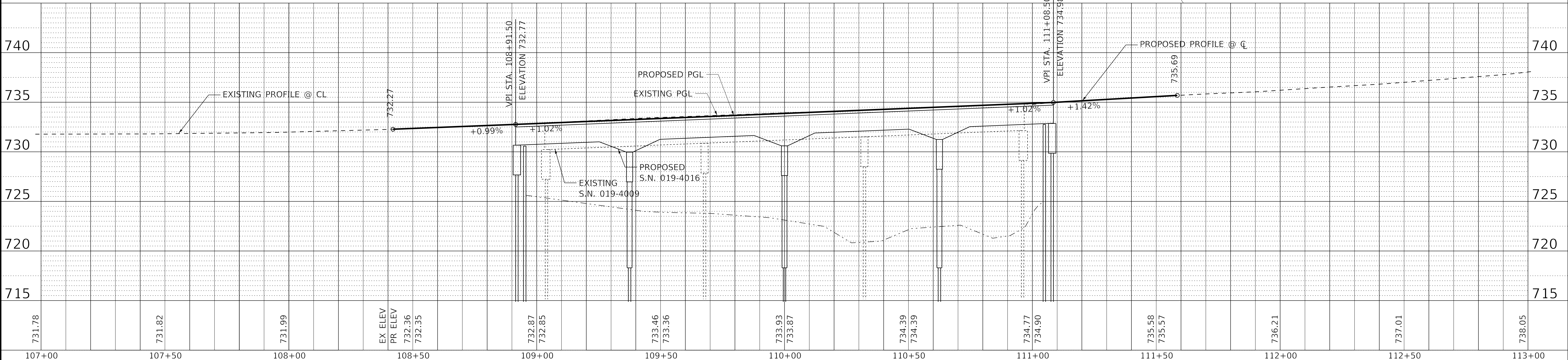
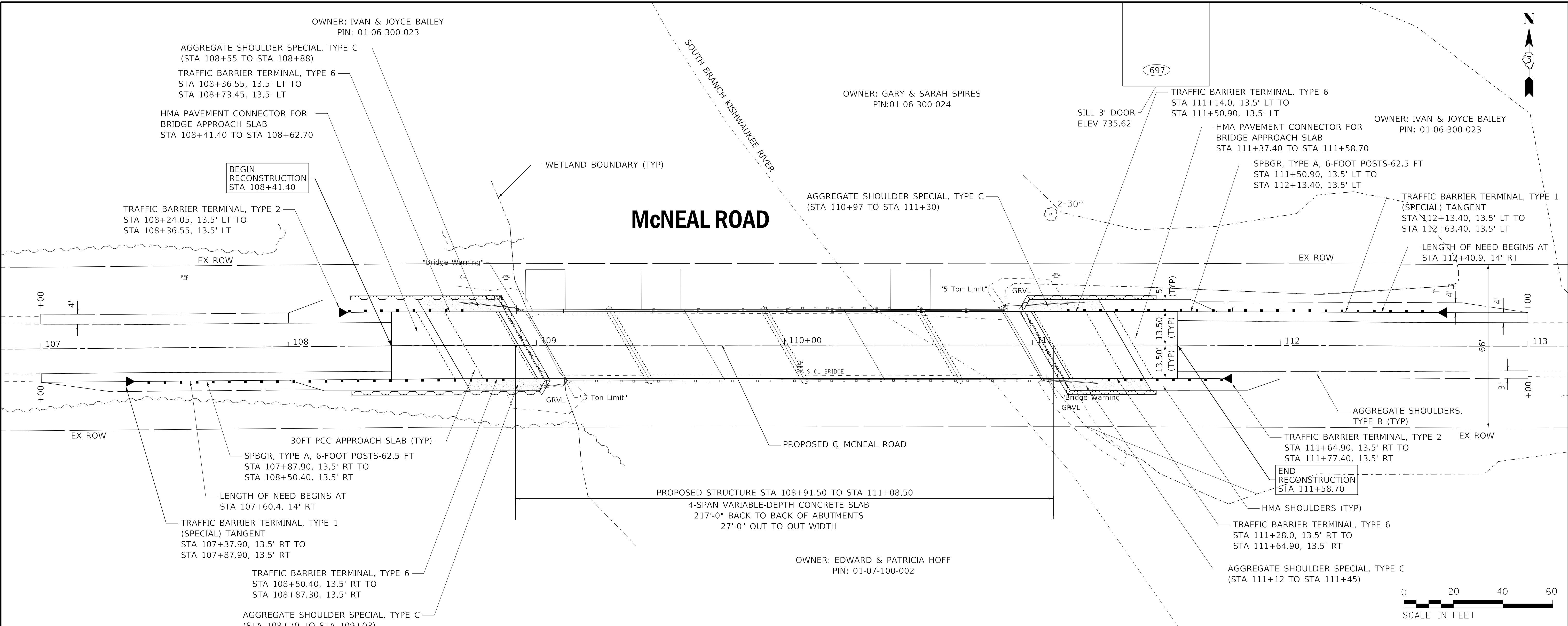
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0011	13-05119-01-BR	DEKALB	43	11
CONTRACT NO. 87688			ILLINOIS FED. AID PROJECT P4AD(126)	

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ALIGNED	
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NO. 00	
NOTE BOOK	
CADD FILE NAME	
PLAN	

DATE	
BY	
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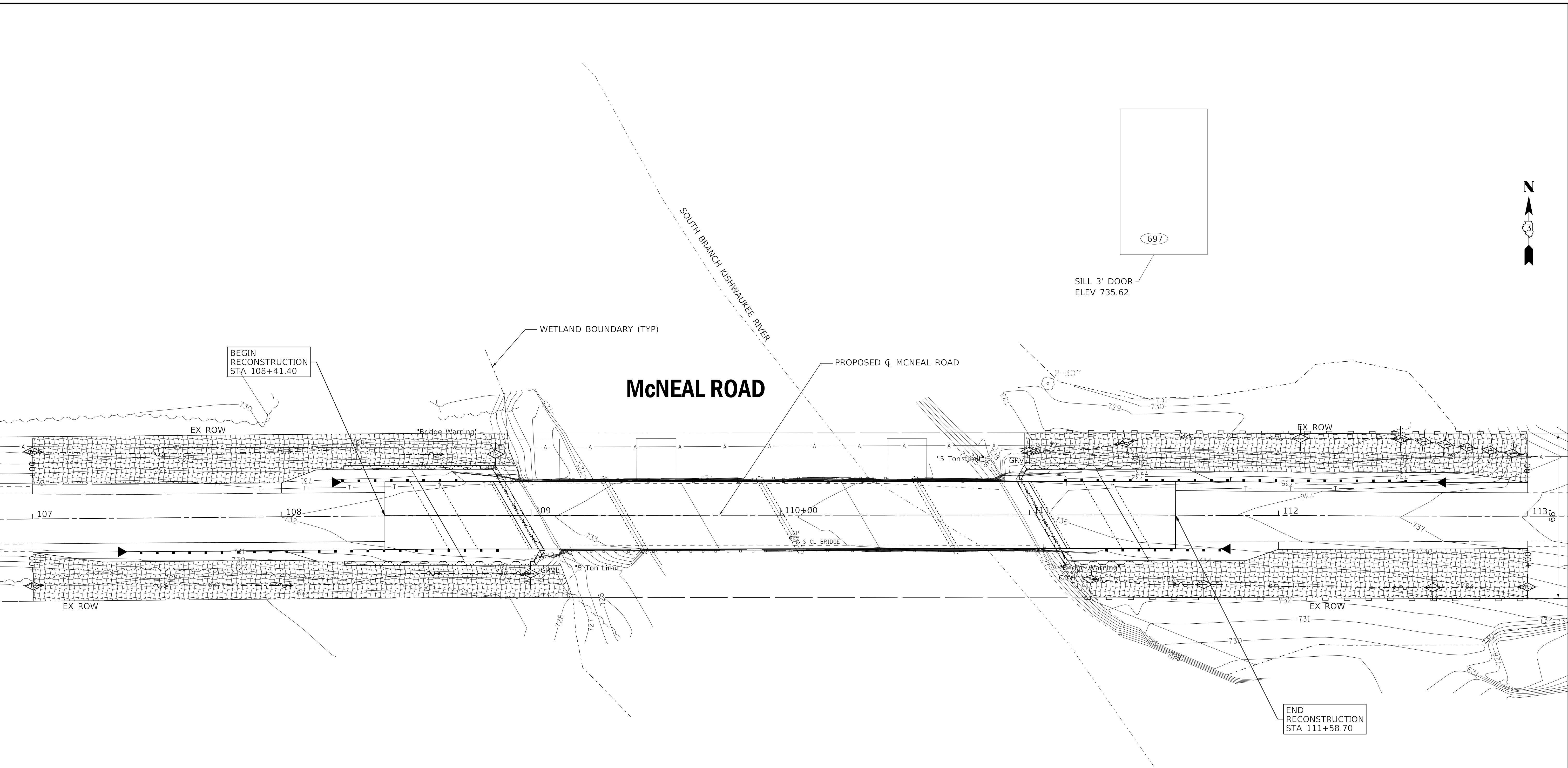
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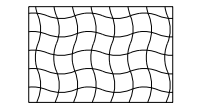
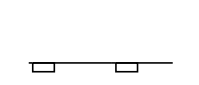
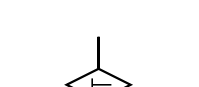
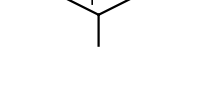
PLAN & PROFILE
McNEAL ROAD OVER S. BR. KISHWAUKEE RIVER

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	12
CONTRACT NO. 87688				
ILLINOIS FED. AID PROJECT P4AD(126)				

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- LEGEND**
-  TEMPORARY EROSION CONTROL BLANKET
 -  TEMPORARY EROSION CONTROL SEEDING
 -  PERIMETER EROSION BARRIER (SILT FENCE)
 -  TEMPORARY DITCH CHECK



USER NAME = 488cac	DESIGNED - CAC	REVISED -
	DRAWN - CJC	REVISED -
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PLOT DATE = 10/23/2019	DATE - 8-20-19	FILE - 180815-Sht_EROS.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
McNEAL ROAD OVER S. BR. KISHWAUKEE RIVER

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	13
CONTRACT NO. 87688				
ILLINOIS FED. AID PROJECT P4AD(126)				

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES IMMEDIATELY AFTER DISTURBANCE, OR REDISTURBANCE.
- AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE STABILIZED WITH MAT OR BLANKET IN COMBINATION WITH SEEDING.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND TEMPORARY STRUCTURES AND FILLS SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR OF EROSION CONTROL MEASURES.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE. DEWATERING DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE DEKALB COUNTY SWCD, ENGINEER, OR LOCAL AGENCY.
- THE CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING WITH INTERESTED REGULATORY AGENCIES AND OFFICIALS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL COMPLY WITH REQUIREMENTS FROM THE U.S. ARMY CORPS OF ENGINEERS AND DEKALB COUNTY HIGHWAY DEPARTMENT.
- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL.
- WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW FLOW CONDITIONS.
- WORK MAY NOT BE PERFORMED IN THE WATER, EXCEPT FOR THE PLACEMENT OF MATERIALS NECESSARY FOR THE IMPLEMENTATION OF THE IN-STREAM WORK PLAN. ALL MATERIALS FILLS USED MUST BE NON-ERODABLE AND CONSTRUCTED TO WITHSTAND HIGH FLOWS. LOW GROUND-PRESSURE EQUIPMENT IS REQUIRED FOR WORK IN WETLANDS. LUMBER TO BE USED FOR TEMPORARY CONSTRUCTION ACTIVITIES MUST BE FREE OF ALL CHEMICAL TREATMENT. NO EQUIPMENT MAY ENTER THE WATER AT ANY TIME.
- MEASURES MUST BE TAKEN FOR HEAVY EQUIPMENT USAGE IN WETLAND AREAS TO MINIMIZE SOIL DISTURBANCE AND COMPACTION. ALL EXPOSED SOILS AND OTHER FILLS AS WELL AS ANY WORK BELOW THE ORDINARY HIGH WATER MARK MUST BE STABILIZED AT THE EARLIEST PRACTICABLE DATE USING PERMANENT NATIVE VEGETATION.
- EXCAVATION OR PLACEMENT OF PERMANENT FILLS MUST BE PERFORMED IN A WAY THAT WOULD NOT RESULT IN THE PHYSICAL DESTRUCTION OF IMPORTANT FISH SPAWNING AREAS, INCLUDING SMOTHERING OF DOWNSTREAM SPAWNING AREAS VIA TURBIDITY.
- PETROLEUM PRODUCTS, OTHER CHEMICALS, AND OTHER UNSUITABLE MATERIALS (E.G. TRASH, DEBRIS, ASPHALT, ETC.) WILL BE PREVENTED FROM ENTERING WATER BODIES, STREAMS, AND WETLANDS.

- IF BYPASS PUMPING IS NECESSARY, THE PUMP SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM BEING SUCKED INTO THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE (ROCK CHECK DAM, PLYWOOD, SHEET PILE, ETC.) PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION OF DOWNSTREAM AREAS. CLEANING OR FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.
- DEWATERING MEASURES SHALL COMPLY WITH THE ILLINOIS URBAN MANUAL. DURING DEWATERING, THE WATER SHALL BE FILTERED TO REMOVE SEDIMENT PRIOR TO DISCHARGE TO THE STREAM. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. FILTRATION AREA SHALL BE PLACED ON A STABILIZED AREA OR DISCHARGE TO AN ENERGY DISSIPATING SURFACE PRIOR TO BEING RE-INTRODUCED TO DOWNSTREAM WATERWAY. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY. THE DISCHARGE FROM THE DEWATERING DEVICE SHALL NOT CAUSE EROSION. ANY TREATMENT REQUIRED IS THE CONTRACTORS RESPONSIBILITY AND NO EXTRA COSTS WILL BE PAID.
- PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED FOR REVIEW BY USACE.
- EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS, THE SIDE SLOPES MUST BE RESEEDDED AND STABILIZED IMMEDIATELY AFTER FINAL GRADING WITH AN APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS.
- THE PORTION OF THE SIDE SLOPE THAT IS ABOVE THE OBSERVED WATER ELEVATION SHALL BE STABILIZED AS SPECIFIED IN THE PLANS PRIOR TO ACCEPTING FLOWS. THE SUBSTRATE AND TOE OF SLOPE THAT HAS BEEN DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PROPOSED OR PRE-CONSTRUCTION CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.
- STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- CONCRETE WASHOUT FACILITIES SHALL BE INSTALLED, OPERATED AND MAINTAINED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED WHEN NECESSARY.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- FINAL ACCEPTANCE OF PROJECT WILL BE CONTIGENT ON RECORD DRAWING APPROVAL BY THE ENGINEER.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS, PERMITS, AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE RECEPTACLES FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO THE DEVELOPMENT SITE, CHANNEL, WATERS OF THE U.S.
- THE CONTRACTOR SHALL MAINTAIN THE PROJECT SITE FREE OF CONSTRUCTION MATERIAL DEBRIS.
- THIS PROJECT REQUIRES ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE COUNTY, AS A CONDITION OF THIS PERMIT. THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO DEKALB COUNTY SWCD FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK.
- THE COST OF ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE, ACCESS, AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE WORK FOR WHICH IT IS REQUIRED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.


MAINTENANCE SCHEDULE

- SILT FENCE - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL SILT FENCE WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE SILT FENCE FUNCTIONAL AS DESIGNED.
- EROSION BLANKET - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL EROSION BLANKET WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE EROSION BLANKET FUNCTIONAL AS DESIGNED.
- DITCH CHECKS - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL DITCH CHECKS WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE DITCH CHECKS FUNCTIONAL AS DESIGNED.
- THE EROSION CONTROL QUANTITIES PROVIDED IN THE PLANS ARE APPROXIMATE. THE ACTUAL NEED FOR QUANTITIES WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

SUGGESTED CONSTRUCTION SEQUENCING

- INSTALL SEDIMENT AND EROSION CONTROL SYSTEMS.
- INSTALL COFFERDAMS.
- PERFORM WORK WITHOUT DEBRIS ENTERING THE EXISTING WATERWAY.
- DECONSTRUCT COFFERDAM.
- COMPLETE RESTORATION OF ALL DISTURBED AREAS.
- REMOVE EROSION CONTROL MEASURES.

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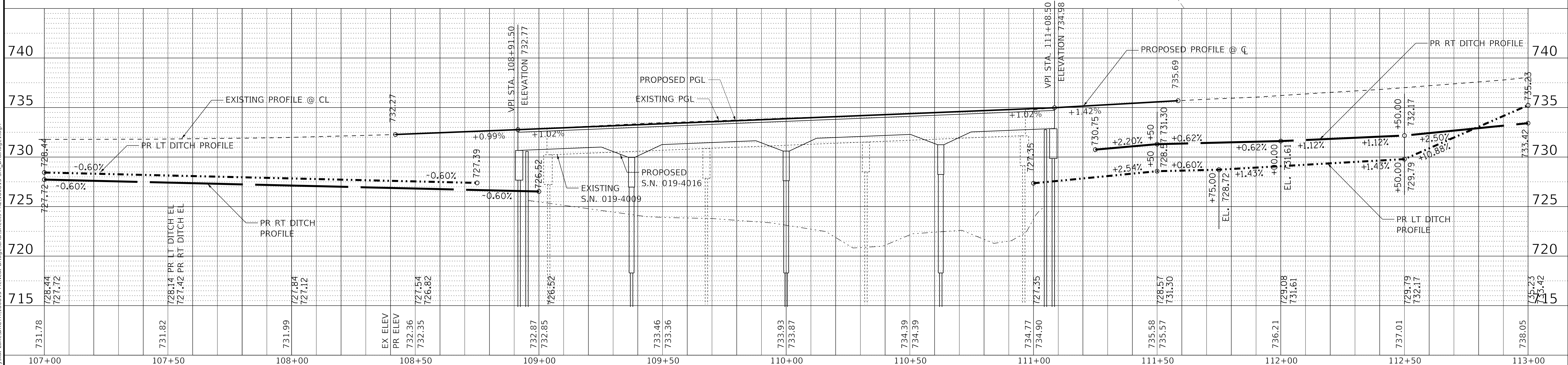
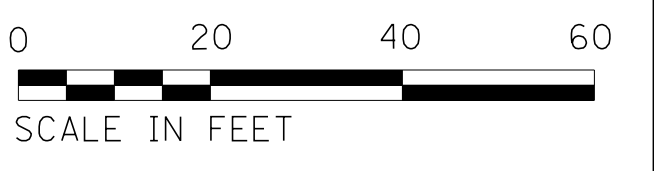
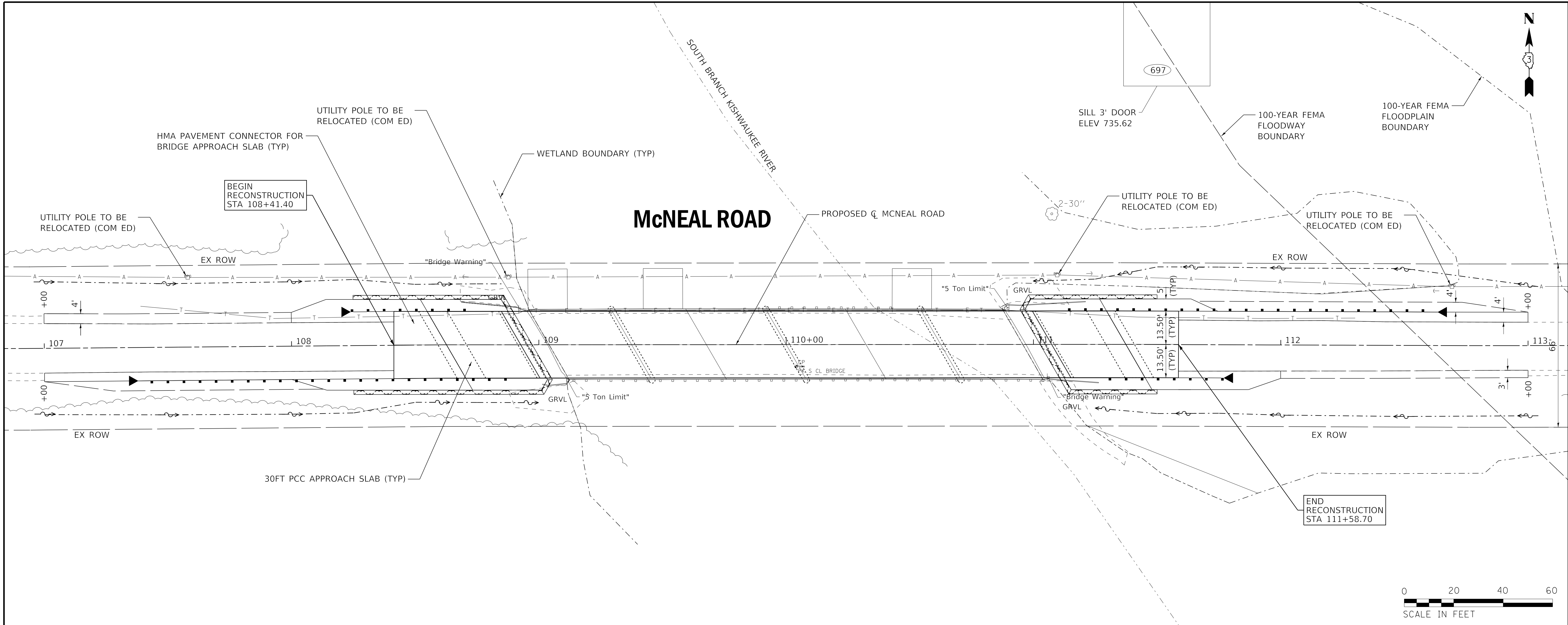
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL NOTES McNEAL ROAD OVER S. BR. KISHWAUKEE RIVER		TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		0011	13-05119-01-BR	DEKALB	43	14
		CONTRACT NO. 87688				
SCALE: 1" = 20'		SHEET	OF	SHEETS	STA.	TO STA.
		ILLINOIS FED. AID PROJECT P4AD(126)				

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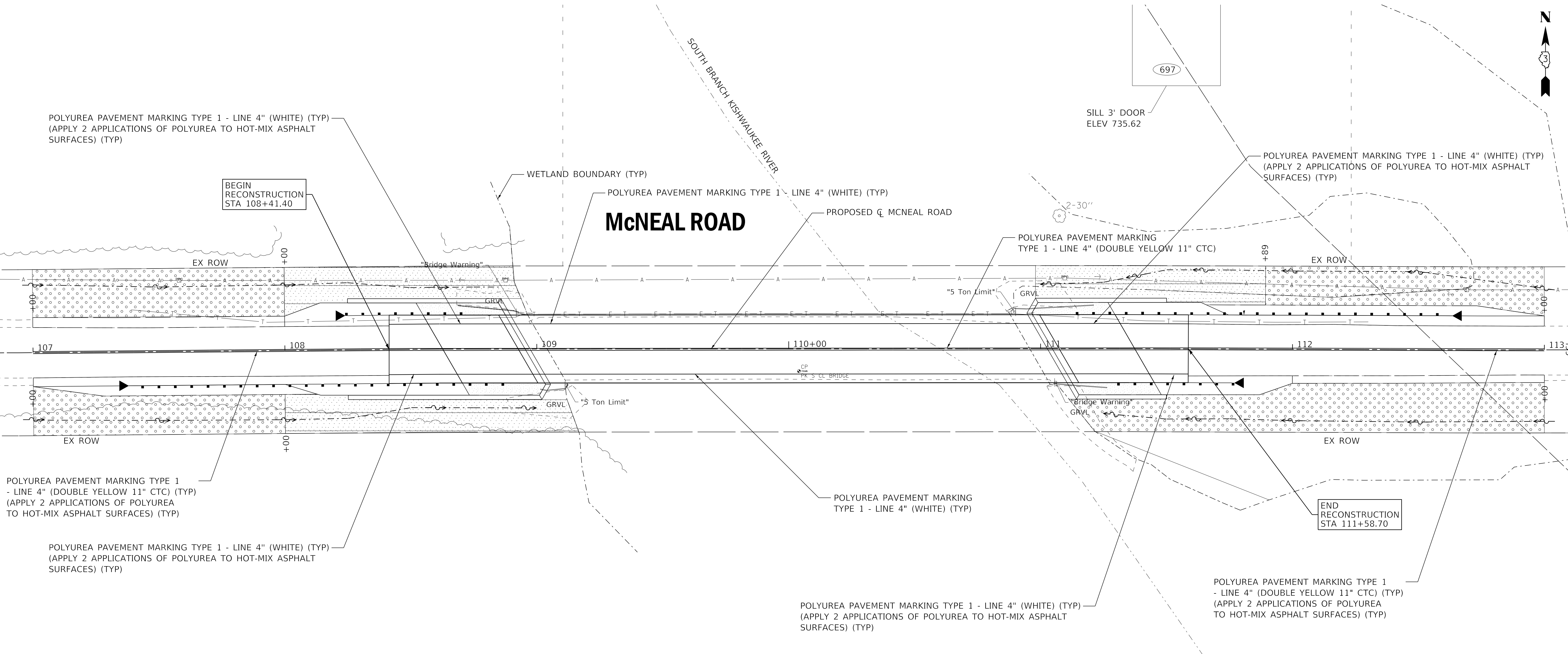
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

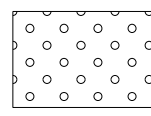
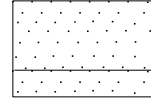
DRAINAGE & UTILITIES	
McNEAL ROAD OVER S. BR. KISHWAUKEE RIVER	
SCALE: 1" = 20'	SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	15
CONTRACT NO. 87688				
ILLINOIS FED. AID PROJECT P4AD(126)				

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LEGEND

-  EROSION CONTROL BLANKET (SPECIAL SEEDING, CLASS 2A)
-  EROSION CONTROL BLANKET (SPECIAL SEEDING, CLASS 4B)



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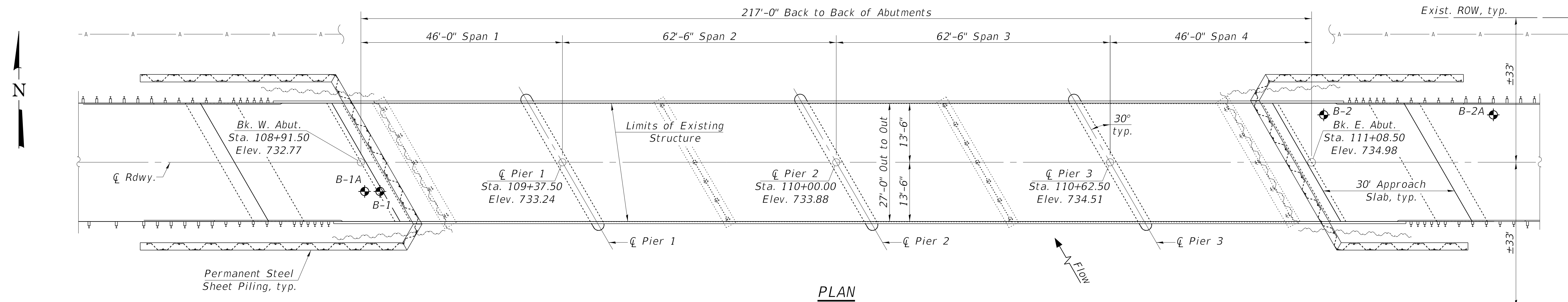
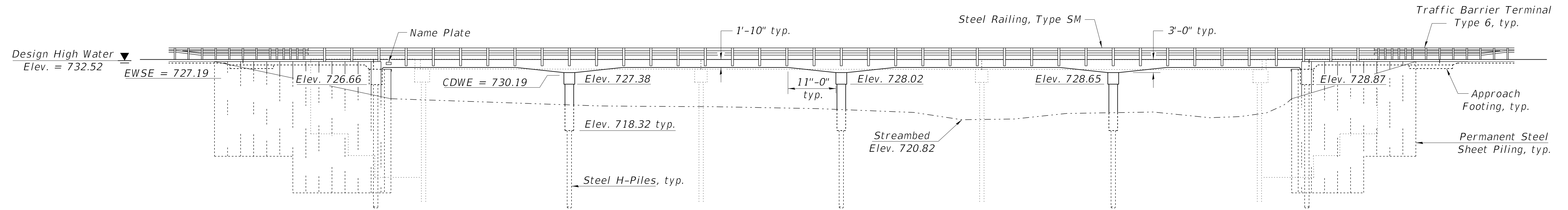
**PAVEMENT MARKING, SIGNING AND LANDSCAPING PLAN
McNEAL ROAD OVER S. BR. KISHWAUKEE RIVER**

SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	16
CONTRACT NO. 87688				
ILLINOIS FED. AID PROJECT P4AD(126)				

Existing Structure: Three-span 27"-depth prestressed deck beam superstructure supported on pile bent piers and pile bent abutments. Steel sheet piling at both abutments supports existing roadway embankment. 196'-1 3/4" back to back of abutment length and 27'-0" out to out width.

Structure is to be removed and replaced completely. Road to be closed during construction. No salvage.



DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition with Interims

LOADING HL-93

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

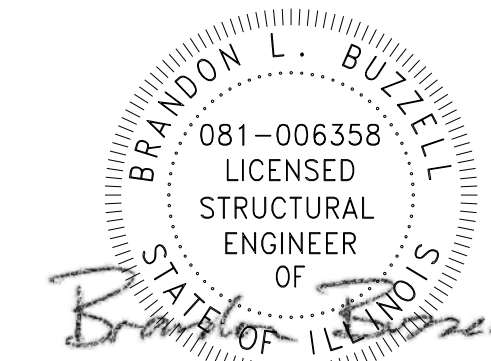
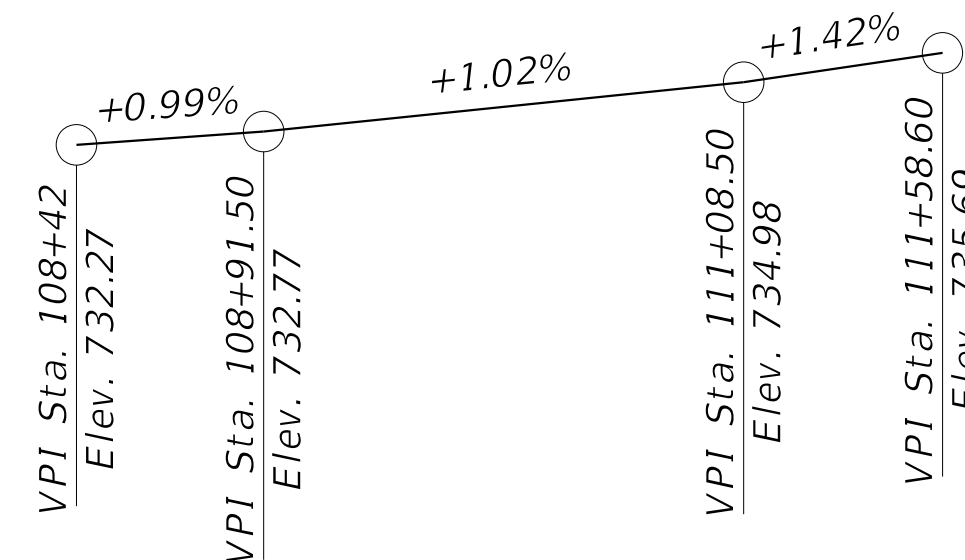
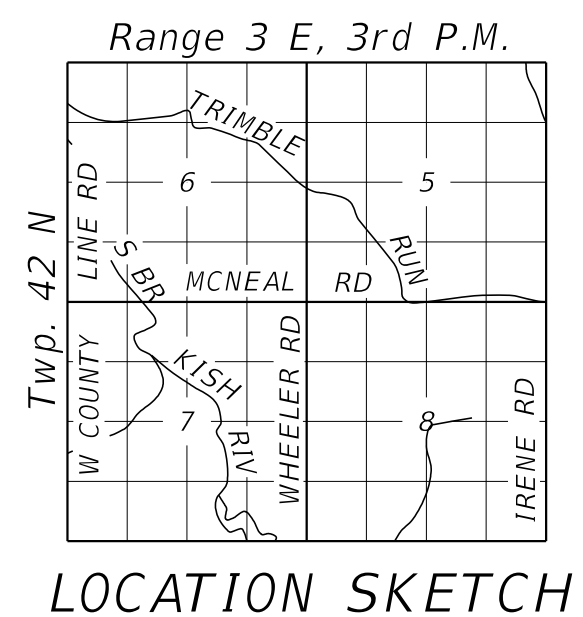
DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi (Substructure)
 $f'_c = 4,000$ psi (Superstructure)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M202 Grade 50 Perm Sheet Piling)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (SD1) = 0.082g
 Design Spectral Acceleration at 0.2 sec. (SDS) = 0.141g
 Soil Site Class = D



DATE: 8/20/19
 LICENSE EXPIRES 11/30/20

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 the requirements of the current AASHTO LRFD Bridge Design Specifications.

GENERAL PLAN
McNEAL ROAD OVER
SOUTH BRANCH KISHWAUKEE RIVER
STA. 110+00.00
SECTION 13-05119-01-BR
DEKALB COUNTY
STRUCTURE NO. 019-4016

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
 STRUCTURE NO. 019-4016

SHEET 1 OF 20 SHEETS

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	17
13-05119-01-BR			CONTRACT NO. 87688	
ILLINOIS / FED. AID PROJECT				

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.

Existing sheet piling shall be removed to an elevation at least one foot below proposed subgrade, except where in conflict with proposed sheet piling it shall be removed full-depth, at minimum length necessary to install proposed sheeting. Cost included with Removal of Existing Structures.

INDEX OF SHEETS

1. General Plan
2. General Data
3. Top of Slab Elevations
4. Top of West Approach Slab Elevations
5. Top of East Approach Slab Elevations
6. Superstructure
7. Superstructure Details
8. Bridge Approach Slab Details
9. Bridge Approach Slab Details
10. Steel Railing, Type SM
11. West Abutment
12. East Abutment
13. Steel Sheet Piling
14. Steel Sheet Piling Details
15. Pier 1
16. Pier 2
17. Pier 3
18. HP Pile Details
19. Boring Logs
20. Boring Logs

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each			1
Structure Excavation	Cu Yd		162.0	162.0
Cofferdam Excavation	Cu Yd		237.3	237.3
Cofferdam (Type 1) (Location - 1)	Each		1	1
Cofferdam (Type 2) (Location - 2)	Each		1	1
Cofferdam (Type 2) (Location - 3)	Each		1	1
Cofferdam (Type 2) (Location - 4)	Each		1	1
Cofferdam (Type 1) (Location - 5)	Each		1	1
Concrete Structures	Cu Yd		143.8	143.8
Concrete Superstructure	Cu Yd	444.2		444.2
Bridge Deck Grooving	Sq Yd	824		824
Protective Coat	Sq Yd	824		824
Concrete Superstructure (Approach Slab)	Cu Yd	79.5		79.5
Reinforcement Bars, Epoxy Coated	Pound	160640	17740	178380
Steel Railing, Type SM	Foot	489		489
Furnishing Steel Piles HP12X53	Foot		376	376
Furnishing Steel Piles HP14X73	Foot		1505	1505
Driving Piles	Foot		1881	1881
Test Pile Steel HP12X53	Each		2	2
Test Pile Steel HP14X73	Each		3	3
Pile Shoes	Each		34	34
Name Plates	Each	1		1
Permanent Sheet Piling	Sq Ft		7320	7320
Geocomposite Wall Drain	Sq Yd		26	26
Granular Backfill For Structures	Cu Yd		46	46
Pipe Underdrains For Structures 4"	Foot		92	92

WATERWAY INFORMATION

Drainage Area = 387 Sq. Mi. Low Grade Elev. 731.15 @ Sta. 104+96

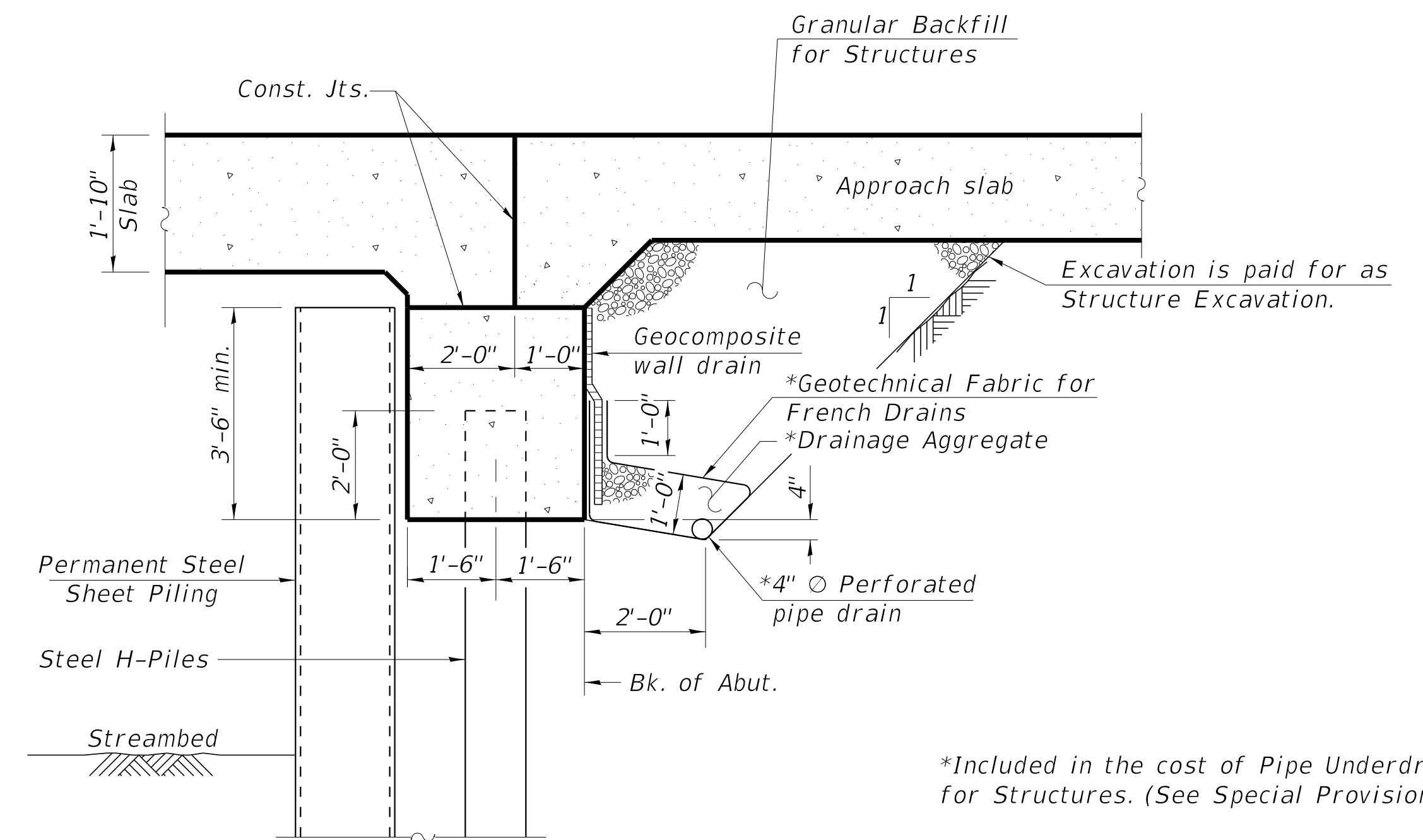
Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Nat. H.W.E.	Head - Ft.		Headwater El.		
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.	
Design	10	8393	1571	1618	732.01	0.07	0.09	732.08	732.10	
Base	15	9440	1585	1639	732.52	0.09	0.12	732.61	732.64	
Overtopping	100	14394	1585	1641	734.71	0.00	0.05	734.71	734.76	
Max. Calc.	<10	500	18646	1585	1641	736.20	0.14	0.16	736.34	736.36

DESIGN SCOUR ELEVATION TABLE

Event / Limit	Design Scour Elevations (ft.)					Item 113
	W. Abut.	Pier 1	Pier 2	Pier 3	E. Abut.	
Q100	708.00	719.24	718.14	717.78	721.03	5
Q200	704.07	718.63	717.53	717.17	716.74	
Design	708.00	718.32	718.14	717.78	721.03	
Check	704.07	718.32	717.53	717.17	716.74	

S. BR. KISHWAUKEE RIVER
 BUILT 20__ BY
 DEKALB COUNTY HIGHWAY DEPT.
 SEC. 13-05119-01-BR
 STA. 110+00.00
 STRUCTURE NO. 019-4016
 LOADING HL-93

NAME PLATE
 See Std. 515001



SECTION THRU ABUTMENT
 (Horiz. dim. @ Rt. Z's)

Note:
 All drainage system components shall extend to each end of abutment. Outlet pipes shall extend until intersecting with Permanent Steel Sheet Piling. Holes shall be cut in sheet piling for outlet pipes. Cost included with Pipe Underdrains for Structures.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 019-4016

SHEET 2 OF 20 SHEETS

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	18
CONTRACT NO. 87688				
		ILLINOIS	FED. AID PROJECT	

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NORTH EDGE OF APPROACH

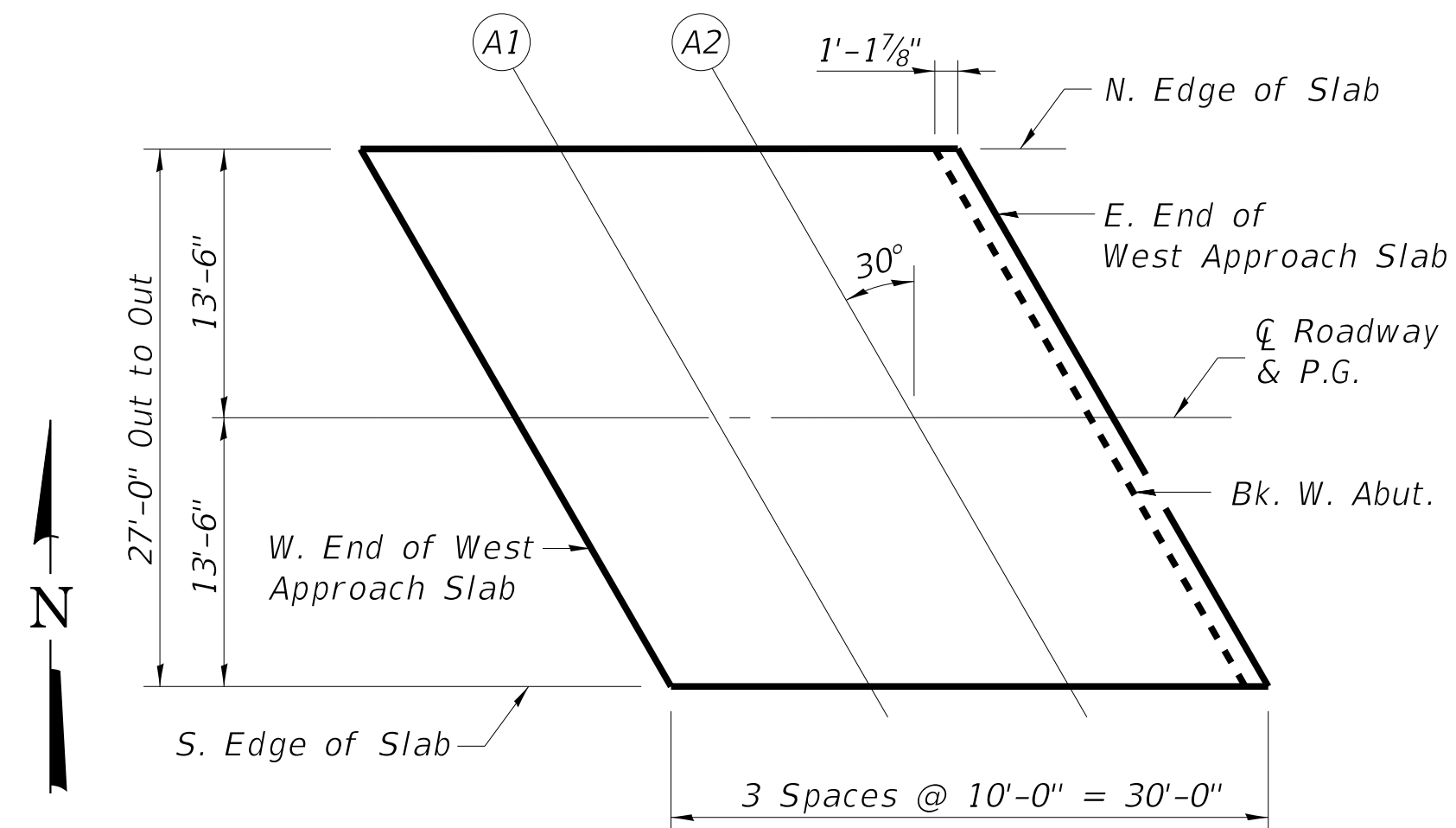
Location	Station	Offset	Theoretical Grade Elevations
W. End W. Appr. Slab	108+54.86	-13.50	732.13
A1	108+64.86	-13.50	732.23
A2	108+74.86	-13.50	732.32
E. End W. Appr. Slab	108+84.86	-13.50	732.42

☐ ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Appr. Slab	108+62.65	0.00	732.48
A1	108+72.65	0.00	732.58
A2	108+82.65	0.00	732.68
E. End W. Appr. Slab	108+92.65	0.00	732.78

SOUTH EDGE OF APPROACH

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Appr. Slab	108+70.45	13.50	732.28
A1	108+80.45	13.50	732.38
A2	108+90.45	13.50	732.48
E. End W. Appr. Slab	109+00.45	13.50	732.58



PLAN
West Approach

E-AS

2-17-2017



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DEPARTMENT OF TRANSPORTATION

TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 019-4016

SHEET 4 OF 20 SHEETS

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	20
CONTRACT NO. 87688				
ILLINOIS		FED. AID PROJECT		

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NORTH EDGE OF APPROACH

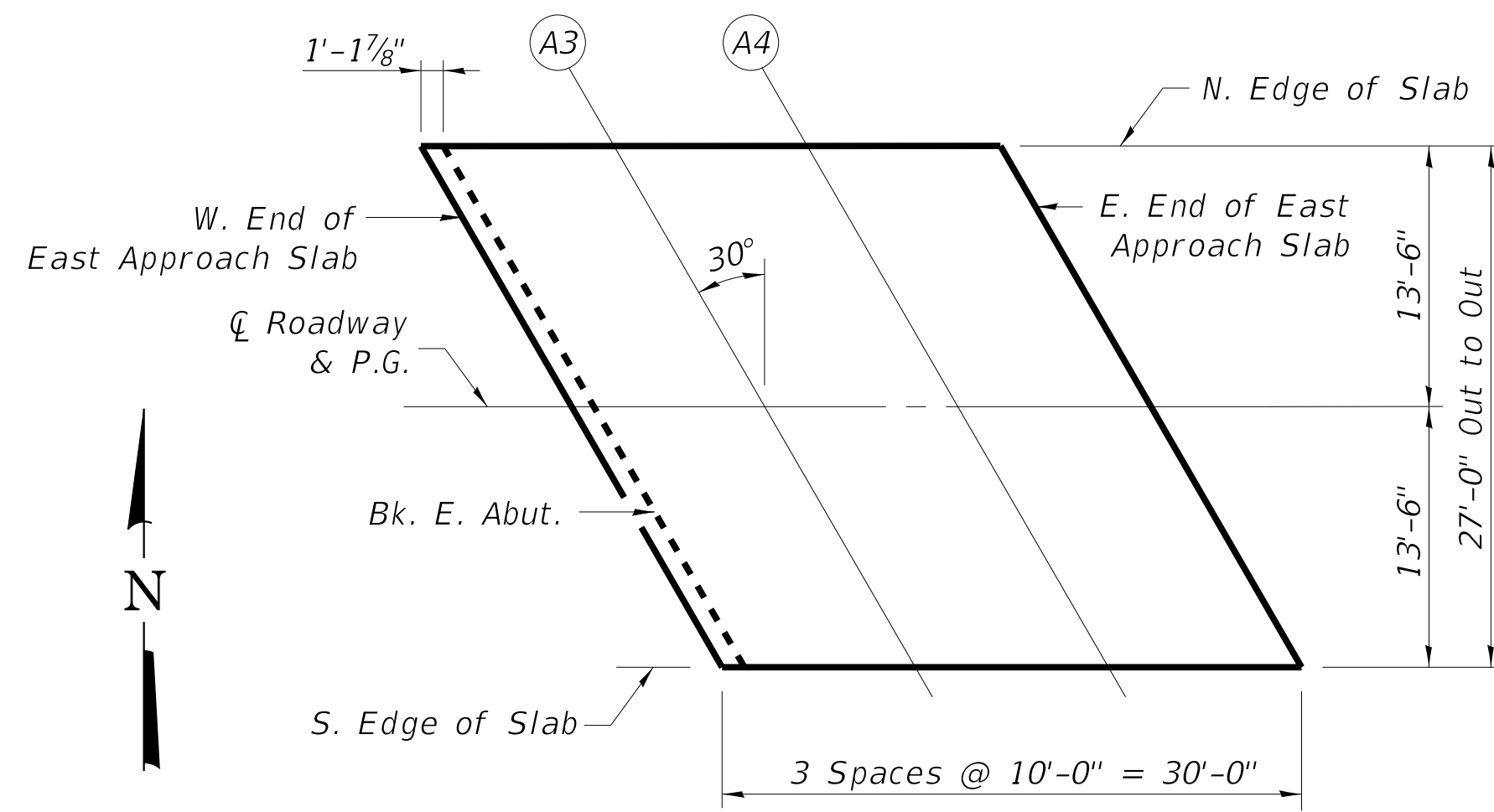
Location	Station	Offset	Theoretical Grade Elevations
W. End E. Appr. Slab	110+99.55	-13.50	734.61
A3	111+09.55	-13.50	734.71
A4	111+19.55	-13.50	734.86
E. End E. Appr. Slab	111+29.55	-13.50	735.00

CL ROADWAY & PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Appr. Slab	111+07.35	0.00	734.97
A3	111+17.35	0.00	735.11
A4	111+27.35	0.00	735.25
E. End E. Appr. Slab	111+37.35	0.00	735.39

SOUTH EDGE OF APPROACH

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Appr. Slab	111+15.14	13.50	734.79
A3	111+25.14	13.50	734.94
A4	111+35.14	13.50	735.08
E. End E. Appr. Slab	111+45.14	13.50	735.22



PLAN
East Approach

E-AS

2-17-2017



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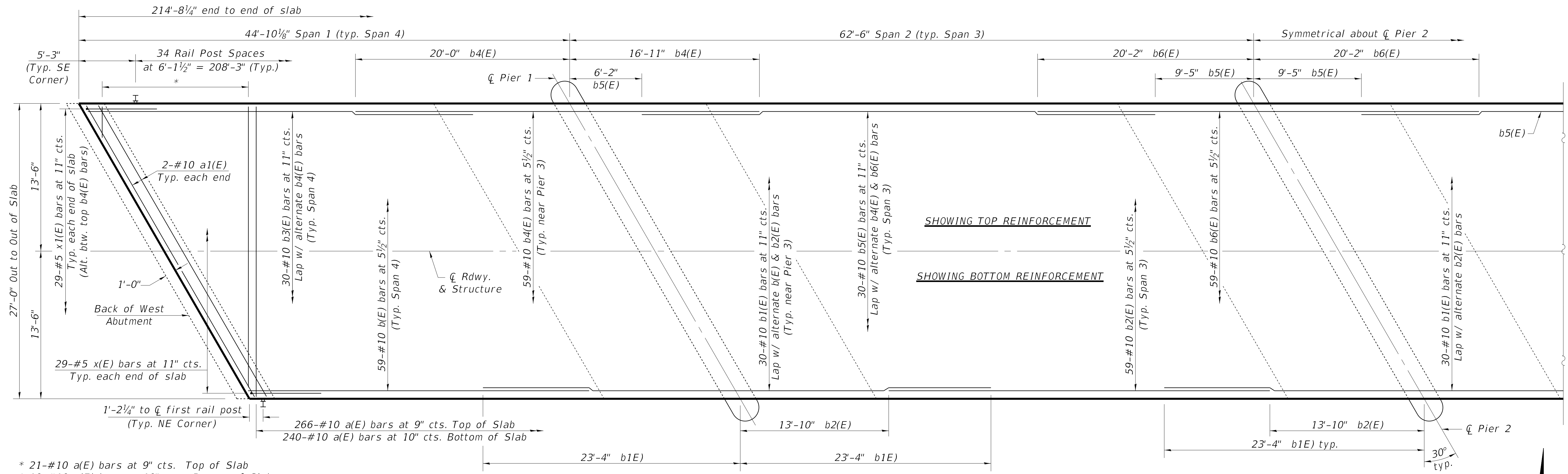
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DEPARTMENT OF TRANSPORTATION**

**TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 019-4016**

SHEET 5 OF 20 SHEETS

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				CONTRACT NO. 87688

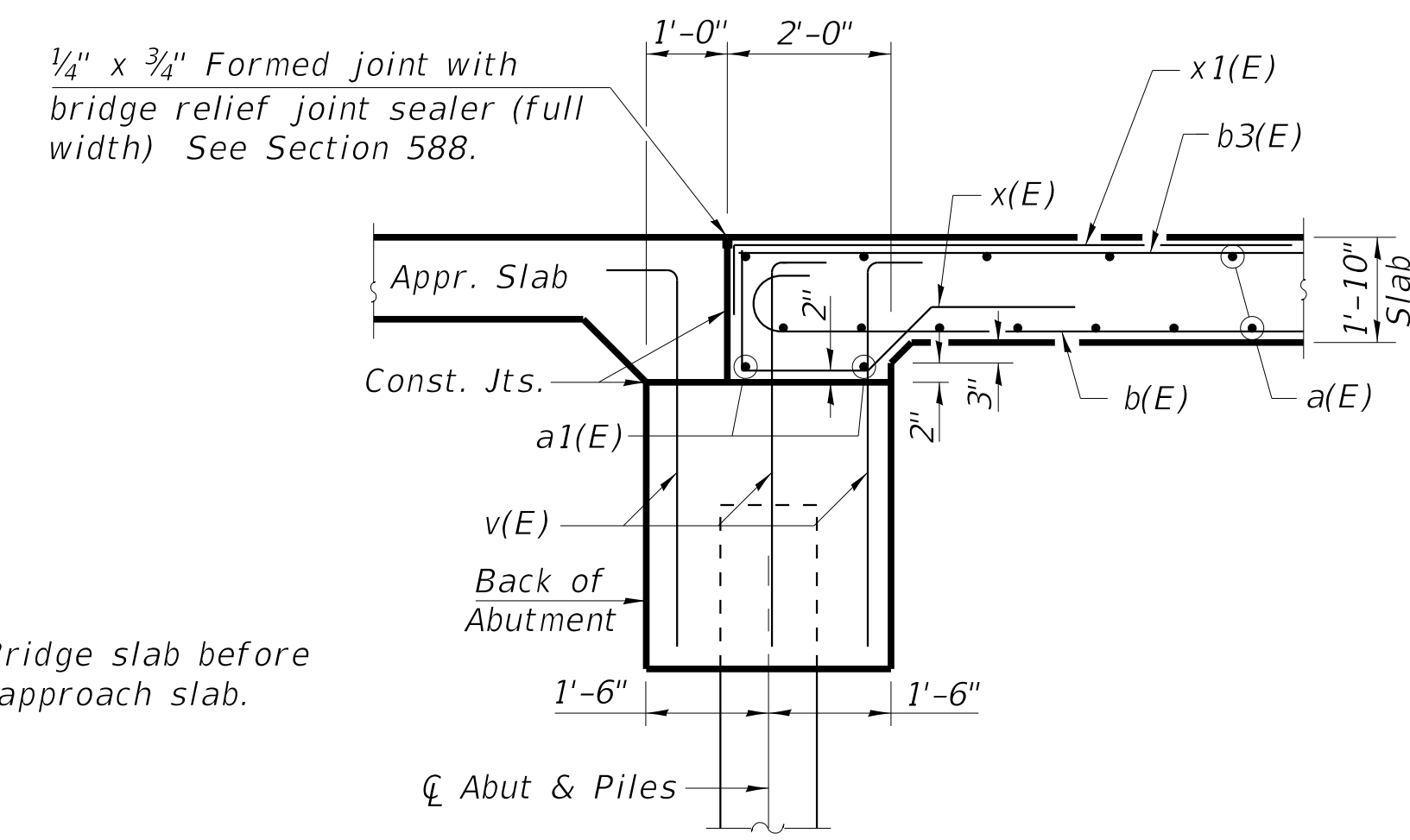
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PARTIAL PLAN

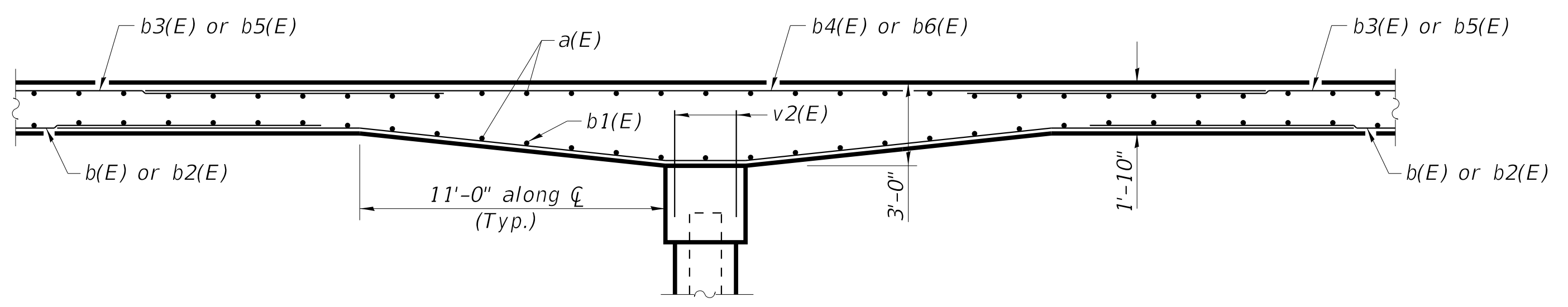
- * 21-#10 a(E) bars at 9" cts. Top of Slab
- * 19-#10 a(E) bars at 10" cts. Bottom of Slab
- * Order a(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
 #10 bar (top) = 10'-9"
 #10 bar (bottom) = 9'-6"



SECTION THRU ABUTMENT
 Horiz. dim. at right L's

Note:
 Pour Bridge slab before pouring approach slab.



LONGITUDINAL SECTION NEAR PIER

See Abutment & Pier details for v(E) and v2(E) bars.

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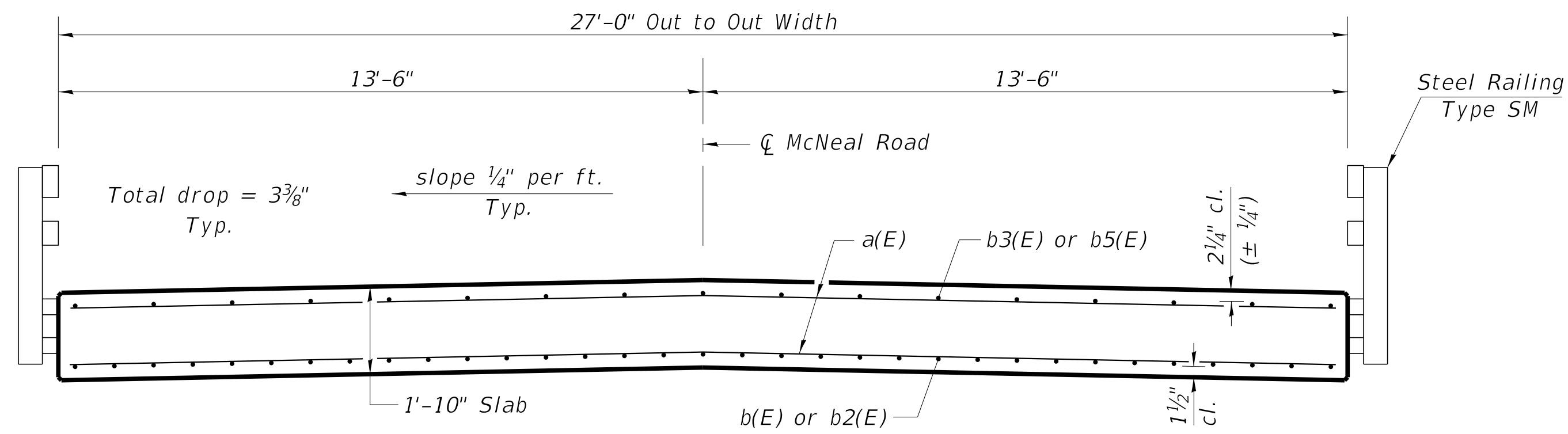
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE
 STRUCTURE NO. 019-4016**

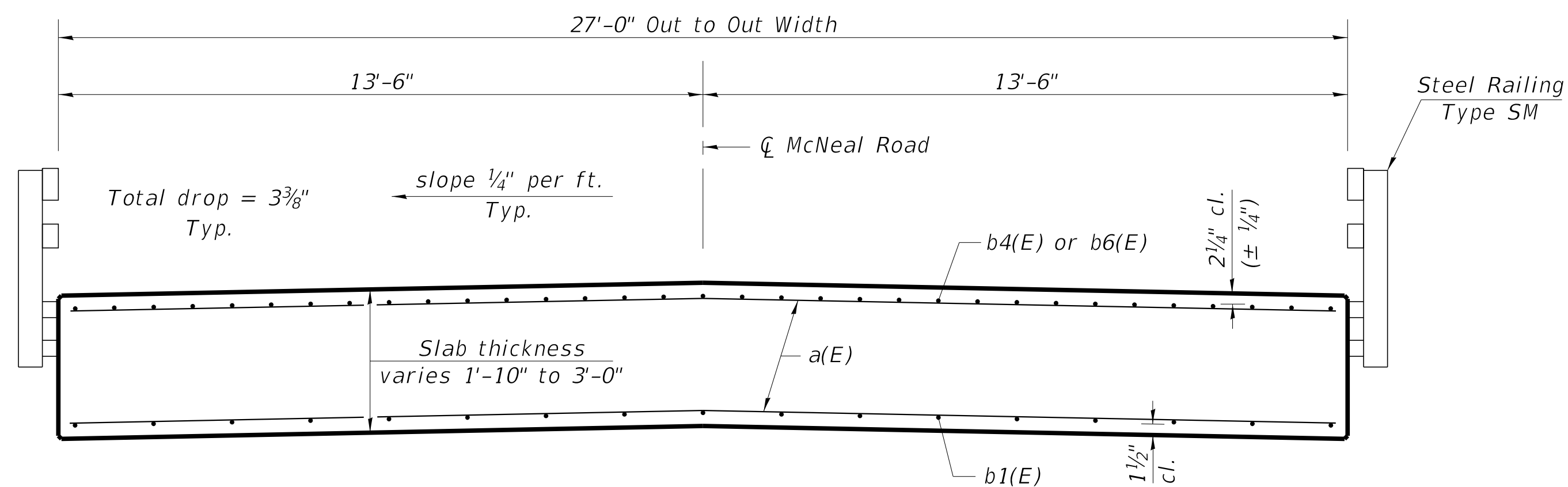
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CONTRACT NO. 87688				

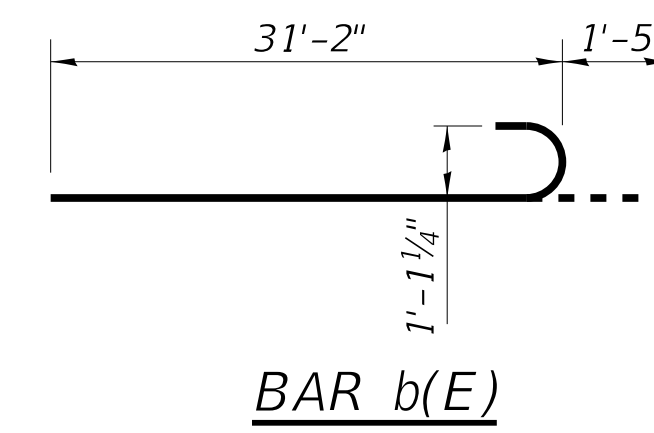
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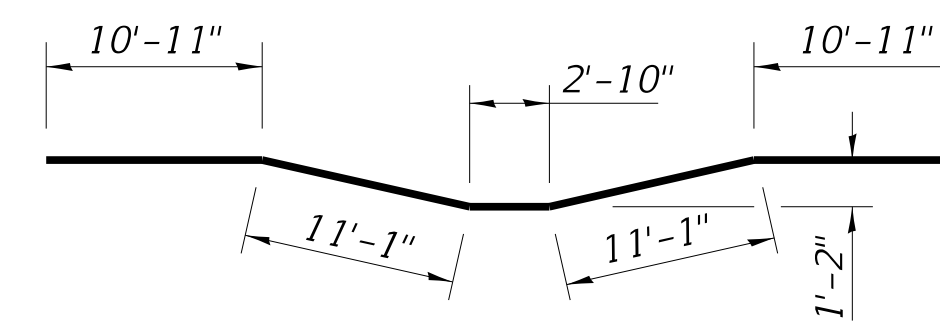
SLAB CROSS SECTION
Near Midspan



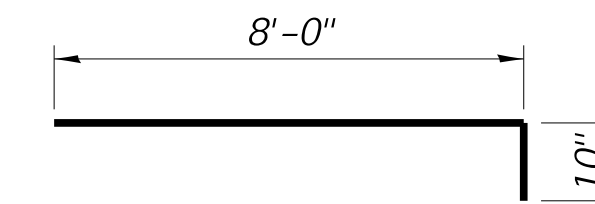
SLAB CROSS SECTION
Near Pier



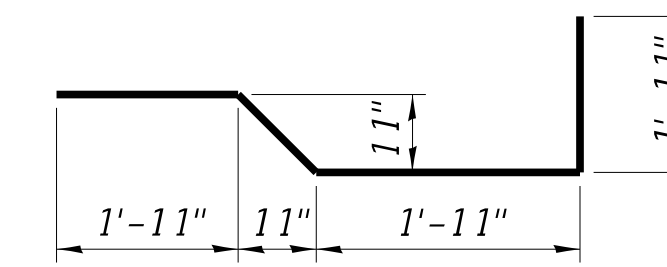
BAR b(E)



BAR b1(E)



BAR x1(E)



BAR x(E)

**SUPERSTRUCTURE
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	546	#10	26'-8"	—
a1(E)	4	#10	30'-10"	—
b(E)	118	#10	32'-7"	—
b1(E)	90	#10	46'-10"	—
b2(E)	118	#10	34'-10"	—
b3(E)	60	#10	35'-6"	—
b4(E)	118	#10	36'-11"	—
b5(E)	60	#10	46'-11"	—
b6(E)	59	#10	40'-4"	—
x(E)	58	#5	7'-1"	—
x1(E)	58	#5	8'-10"	—
Reinforcement Bars, Epoxy Coated			Pound	132,140
Concrete Superstructure			Cu. Yd.	444.2

NOTES

Permanent Steel Sheet Piling shall be completed prior to construction of slab.

Sheet piling details may be modified or supplemented as needed to assist with support of slab falsework. Detailed drawings and design calculations for any such modifications shall be submitted for review with the contractor's erection plan, including calculations verifying axial capacity of sheet piling.

Shop drawings, calculations, installation and subsequent removal of any additional structural supports shall be included with the cost of Concrete Superstructure.

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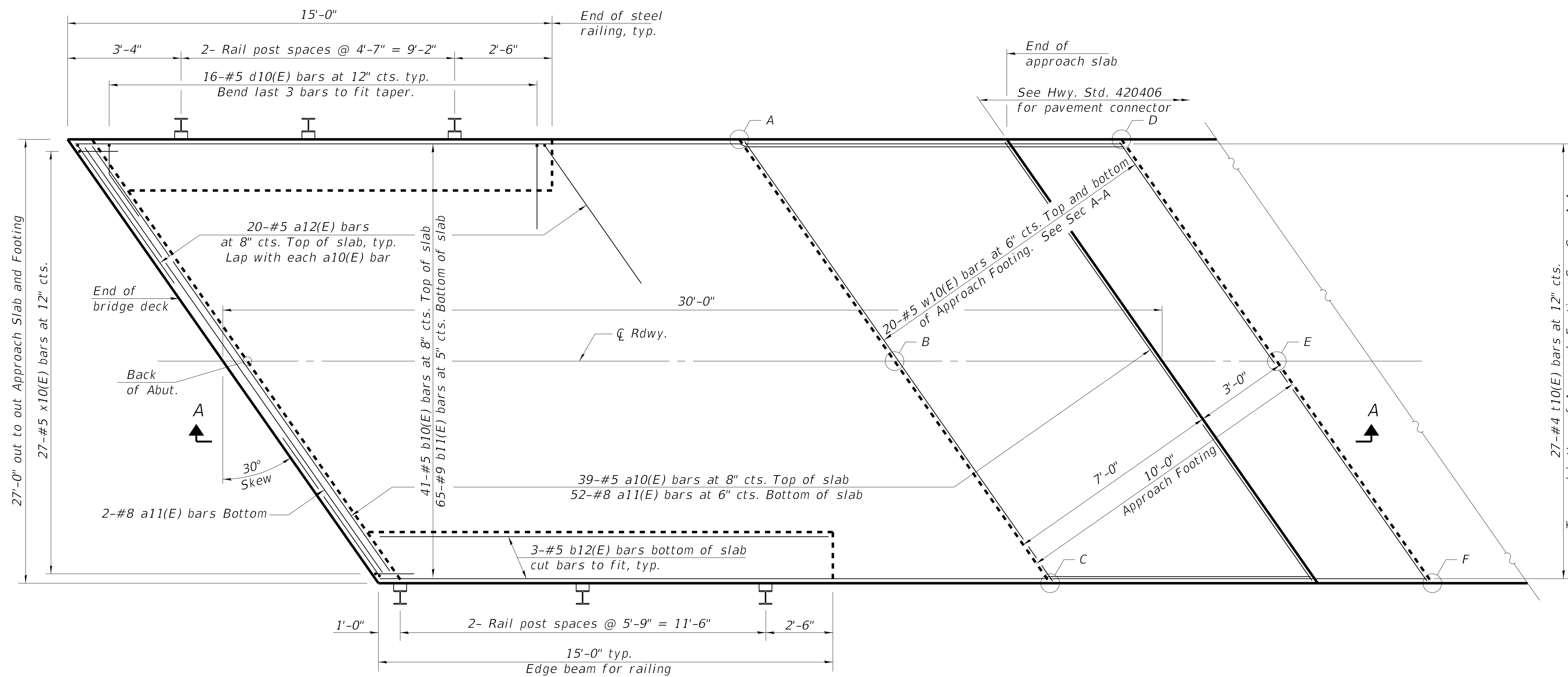
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 019-4016**

SHEET 7 OF 20 SHEETS

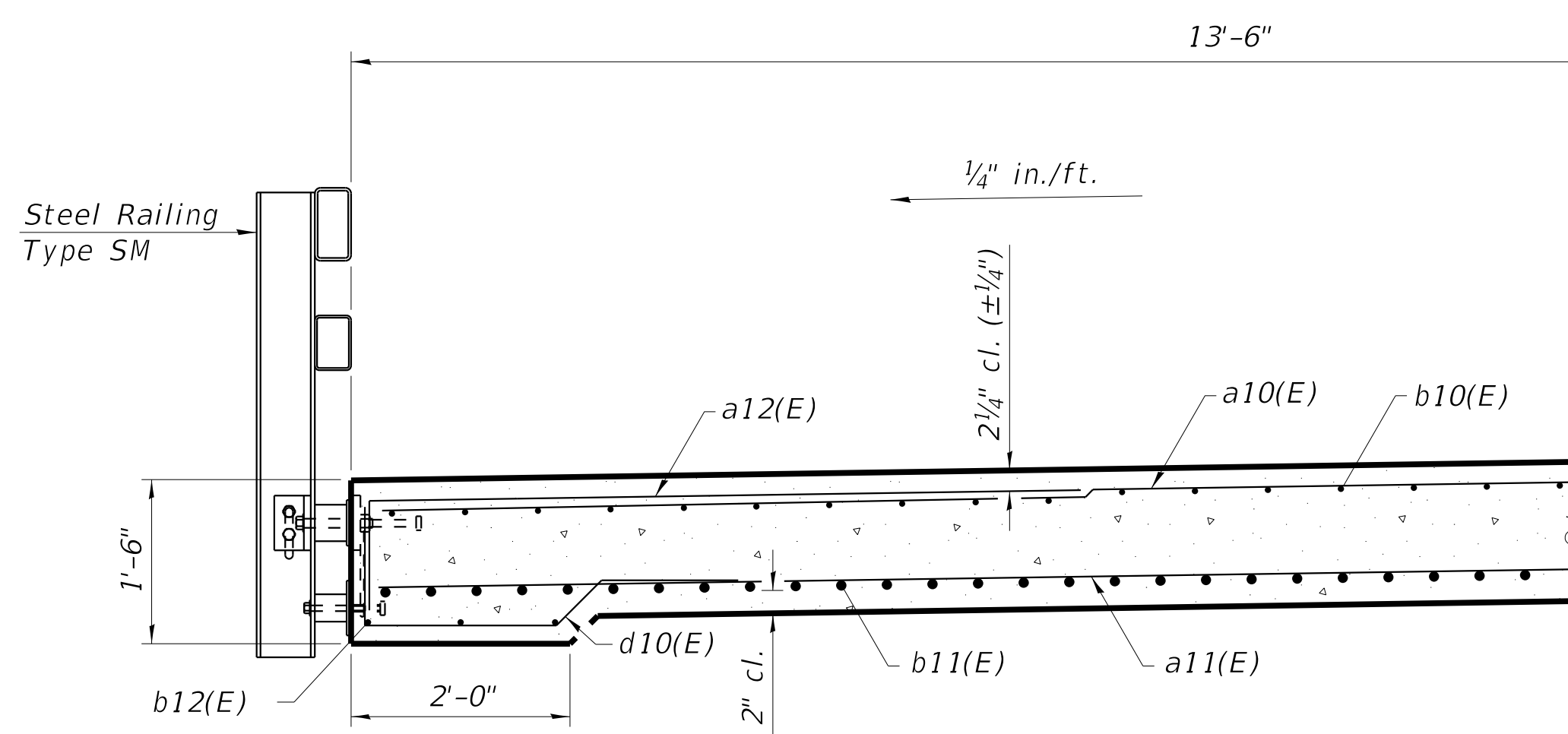
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CONTRACT NO. 87688				
ILLINOIS / FED. AID PROJECT				



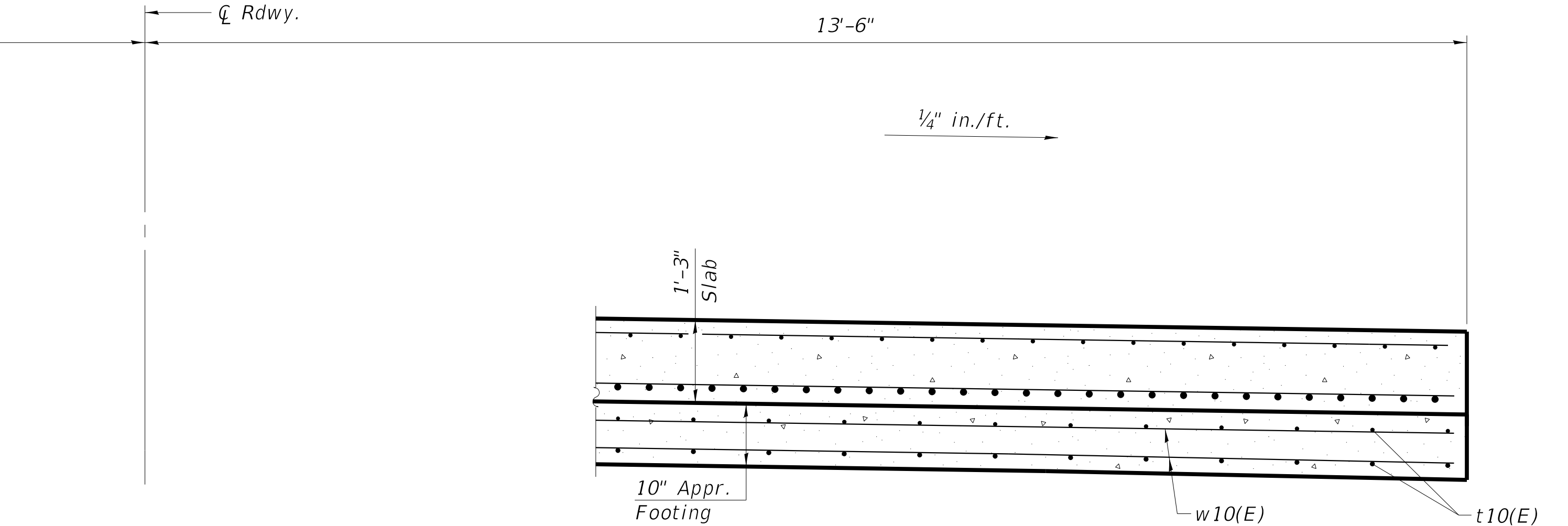
PLAN

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	West Approach		East Approach	
	Top	Bottom	Top	Bottom
A	731.11	730.28	733.63	732.80
B	731.31	730.48	734.02	733.19
C	730.96	730.13	733.85	733.02
D	731.00	730.17	733.80	732.97
E	731.20	730.37	734.19	733.36
F	730.84	730.01	734.02	733.19



NEAR ABUTMENT



AT APPROACH FOOTING

(Sheet 1 of 2)

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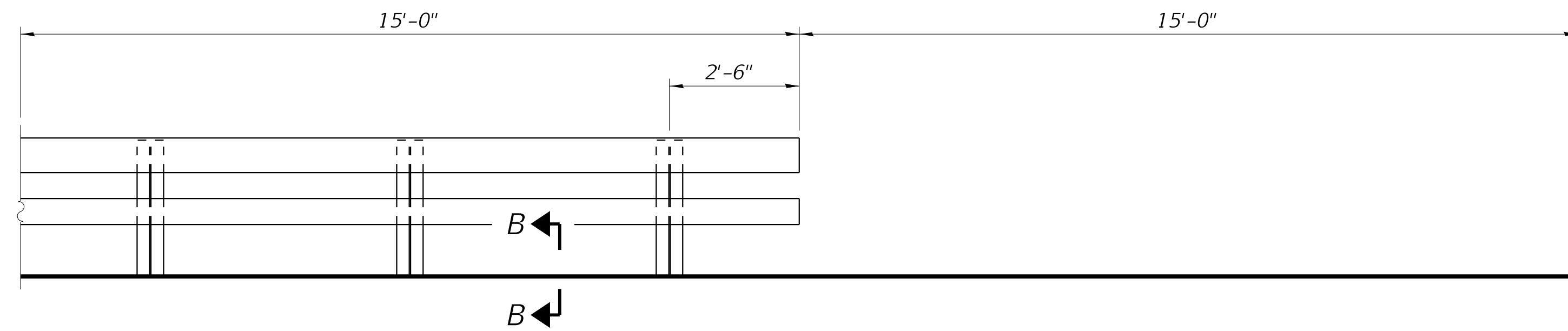
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BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 019-4016

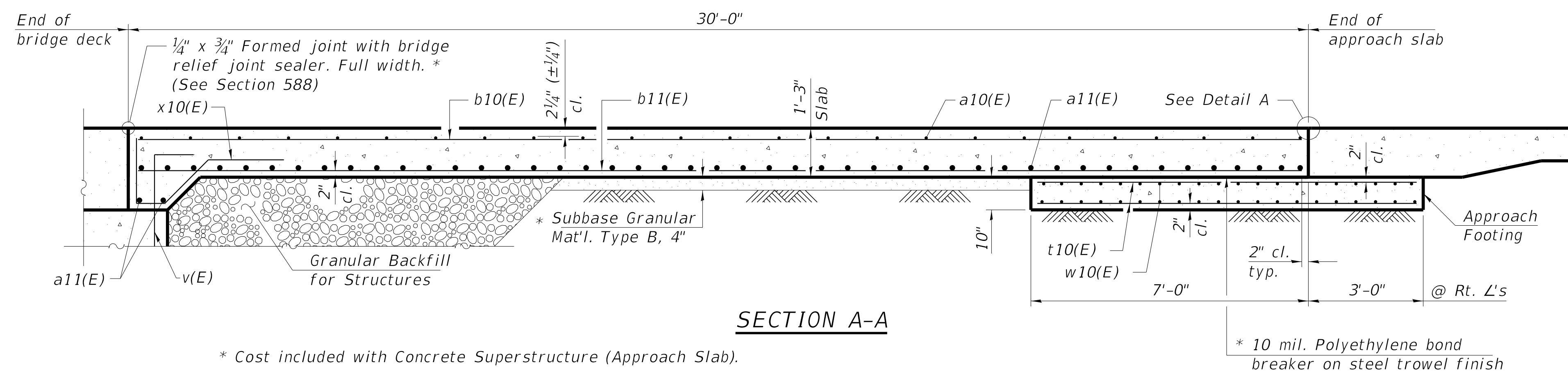
SHEET 8 OF 20 SHEETS

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	24
CONTRACT NO. 87688				
ILLINOIS / FED. AID PROJECT				

Notes:
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 See sheets 11 and 12 of 20 for v(E) bar details.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 20.
 For railing details, see sheet 10 of 20.



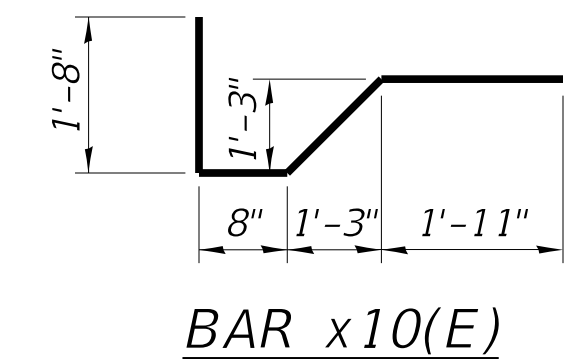
INSIDE ELEVATION OF RAILING



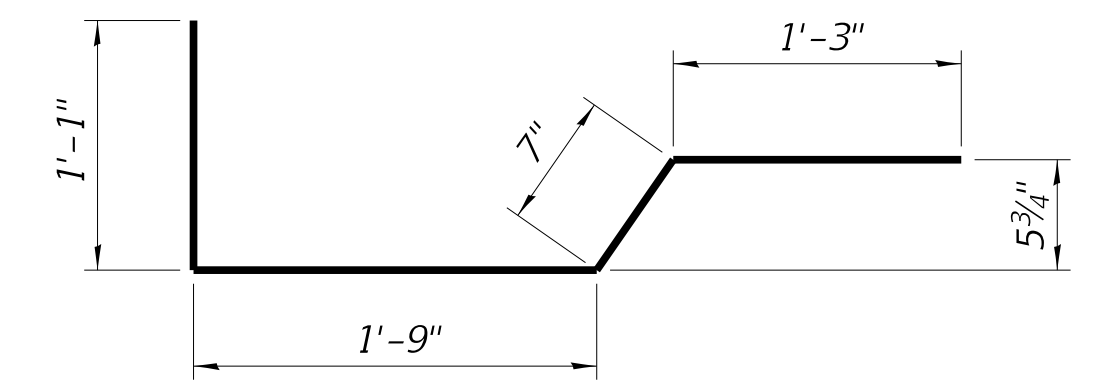
SECTION A-A

* Cost included with Concrete Superstructure (Approach Slab).

* 10 mil. Polyethylene bond breaker on steel trowel finish



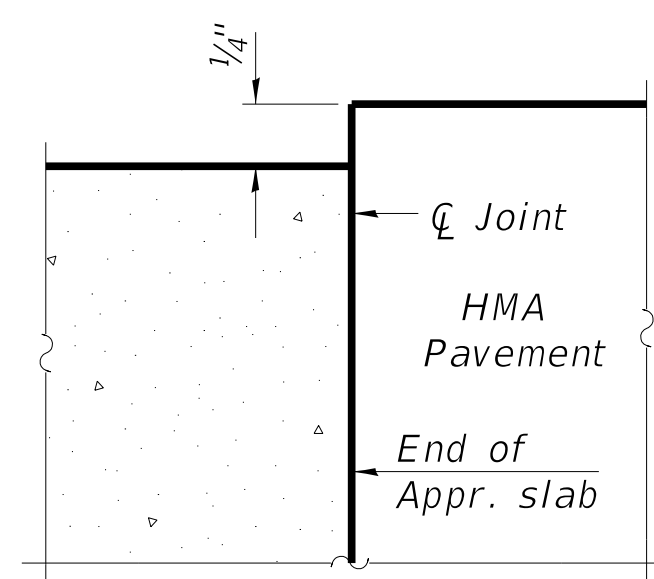
BAR x10(E)



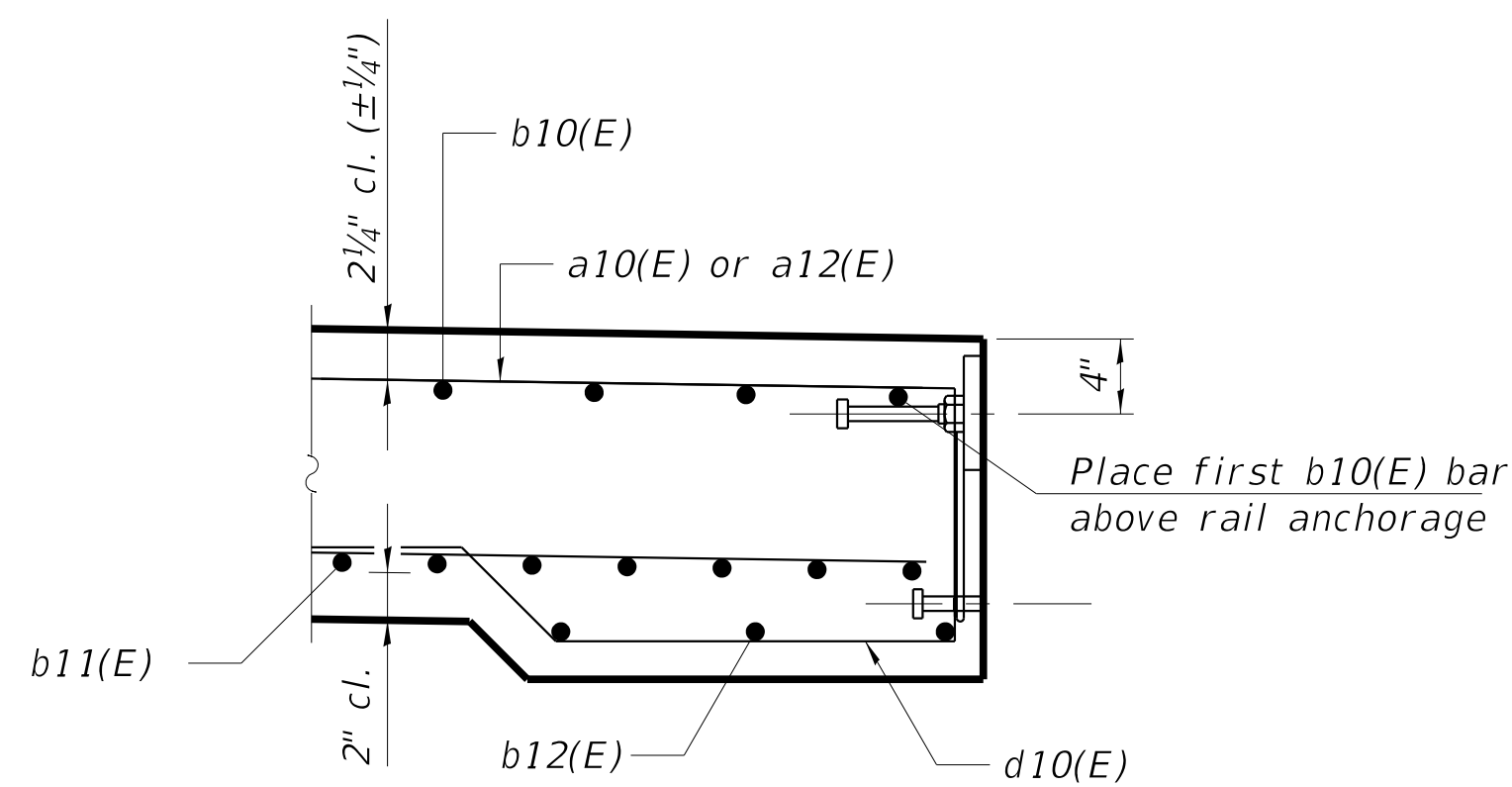
BAR d10(E)

**TWO APPROACHES
 BILL OF MATERIAL**

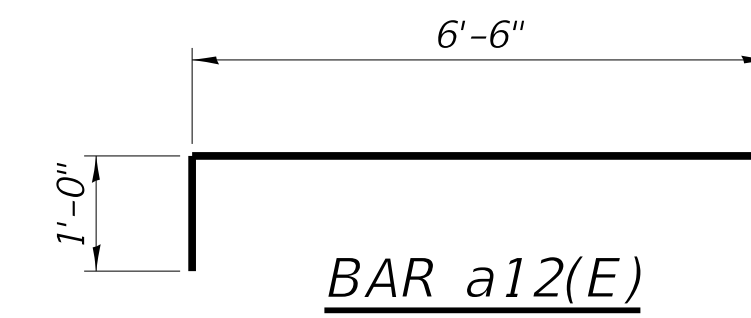
Bar	No.	Size	Length	Shape
a10(E)	78	#5	30'-9"	—
a11(E)	108	#8	30'-9"	—
a12(E)	80	#5	7'-6"	—
b10(E)	82	#5	29'-8"	—
b11(E)	130	#9	29'-8"	—
b12(E)	12	#5	15'-9"	—
d10(E)	64	#5	4'-8"	┘
t10(E)	108	#4	11'-2"	—
w10(E)	80	#5	30'-9"	—
x10(E)	54	#5	6'-1"	┘
Concrete Superstructure (Approach Slab)			Cu. Yd.	79.5
Concrete Structures			Cu. Yd.	19.3
Reinforcement Bars, Epoxy Coated			Pound	31,870



DETAIL A



SECTION B-B



BAR a12(E)

(Sheet 2 of 2)

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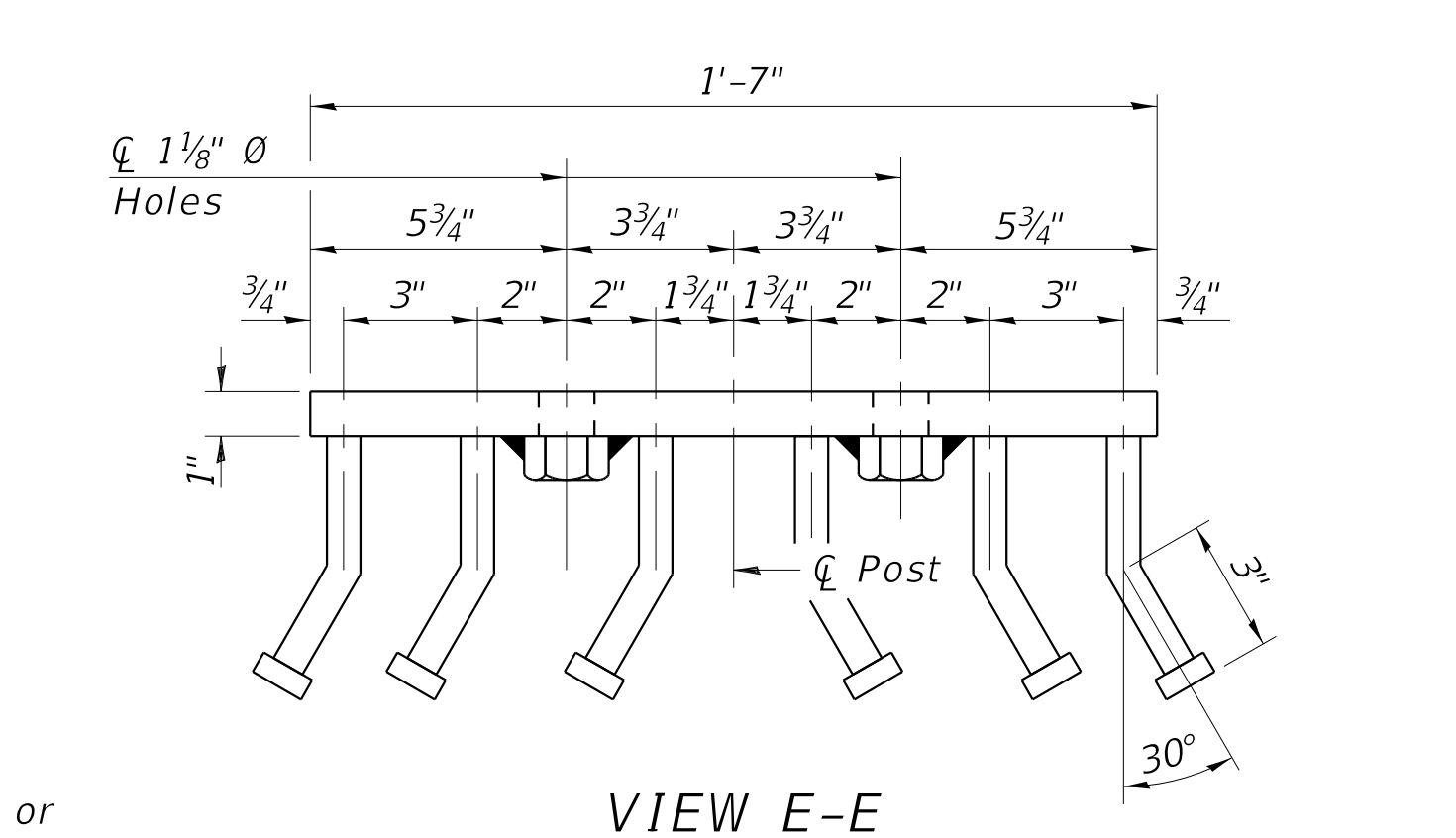
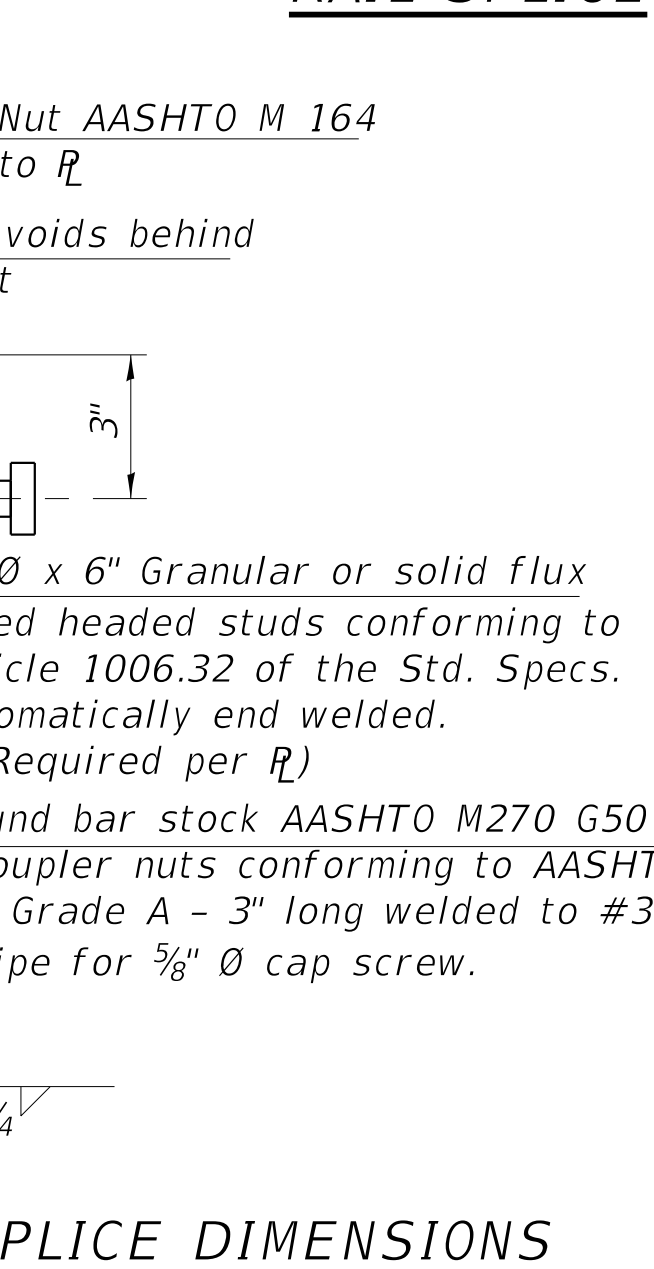
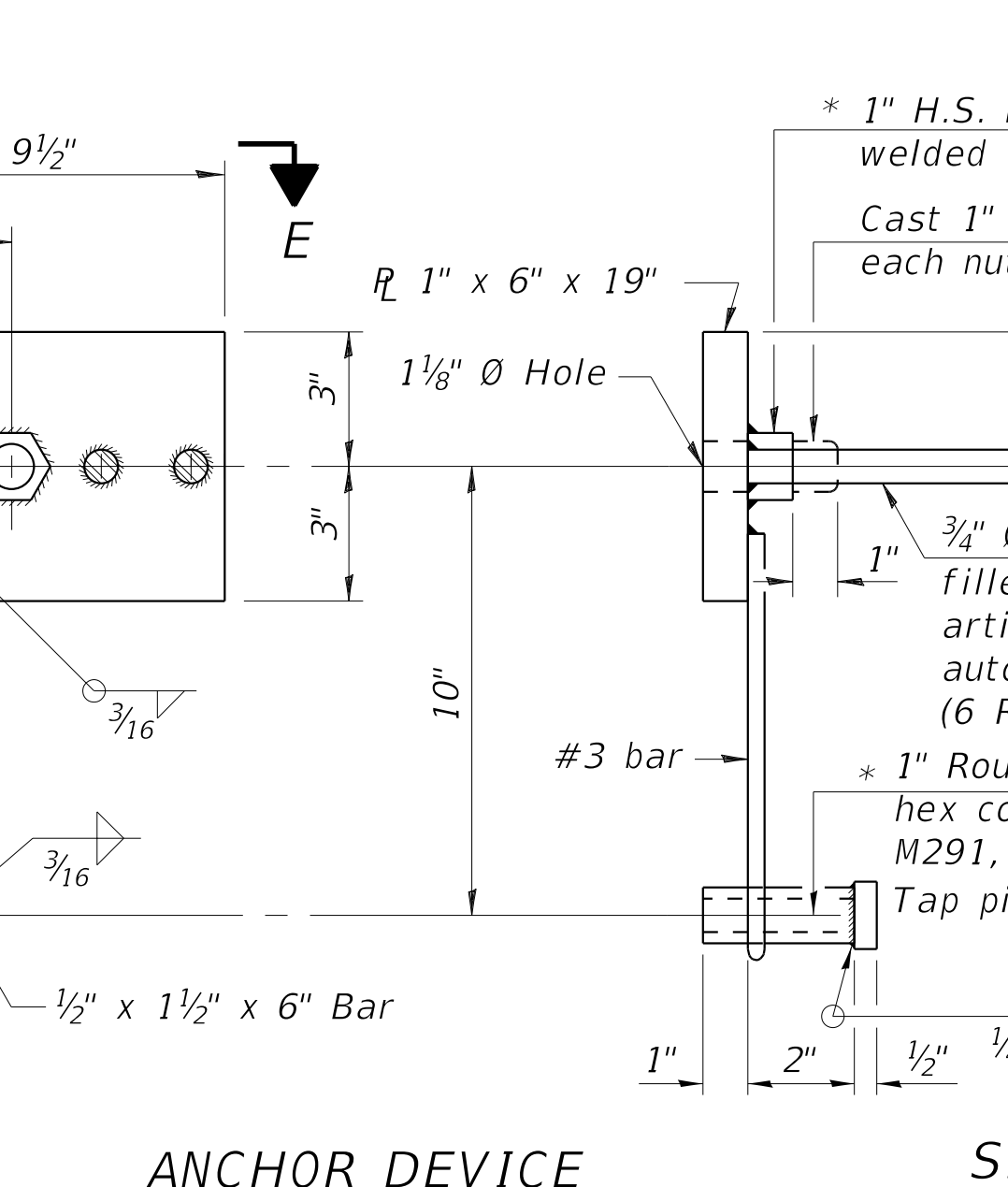
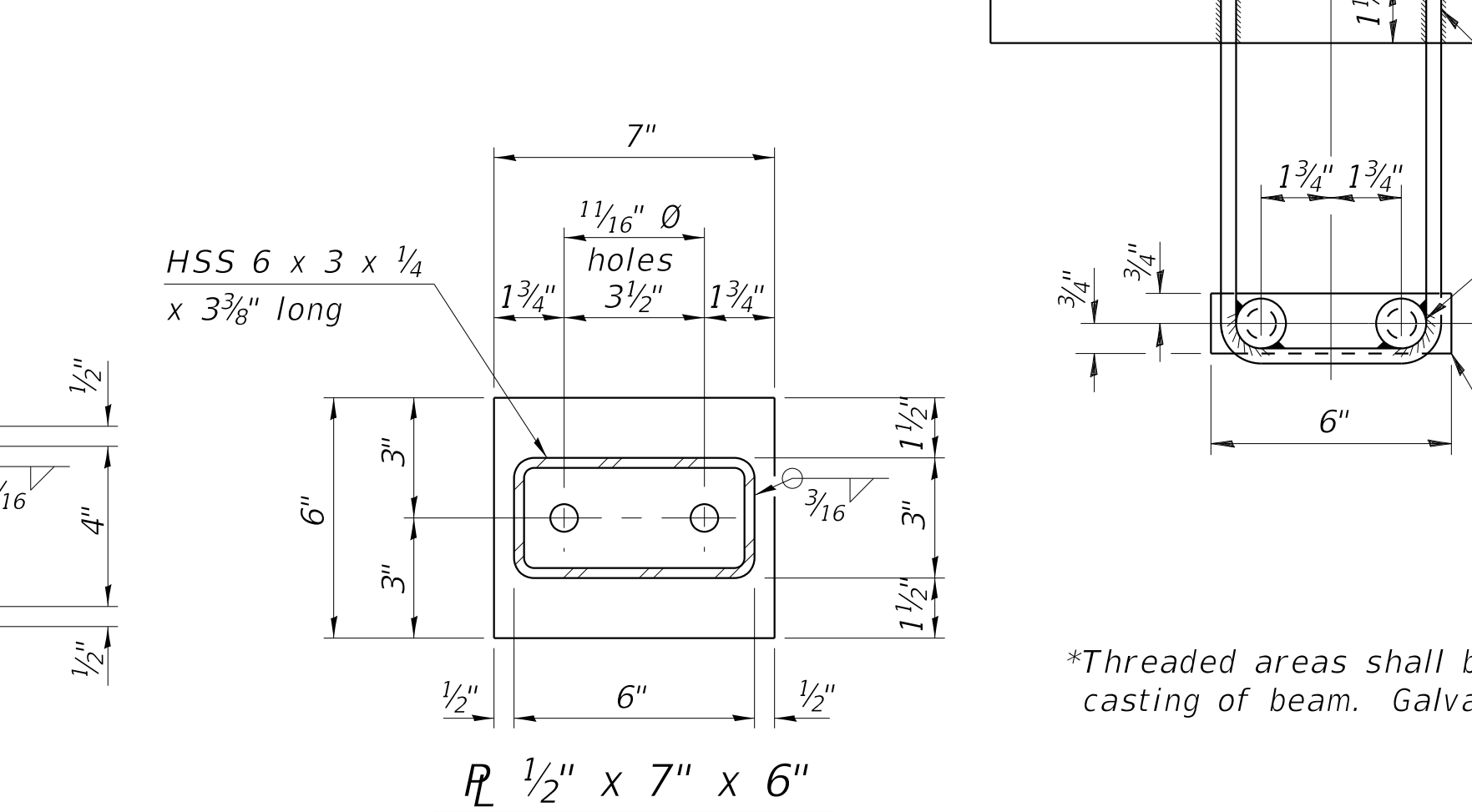
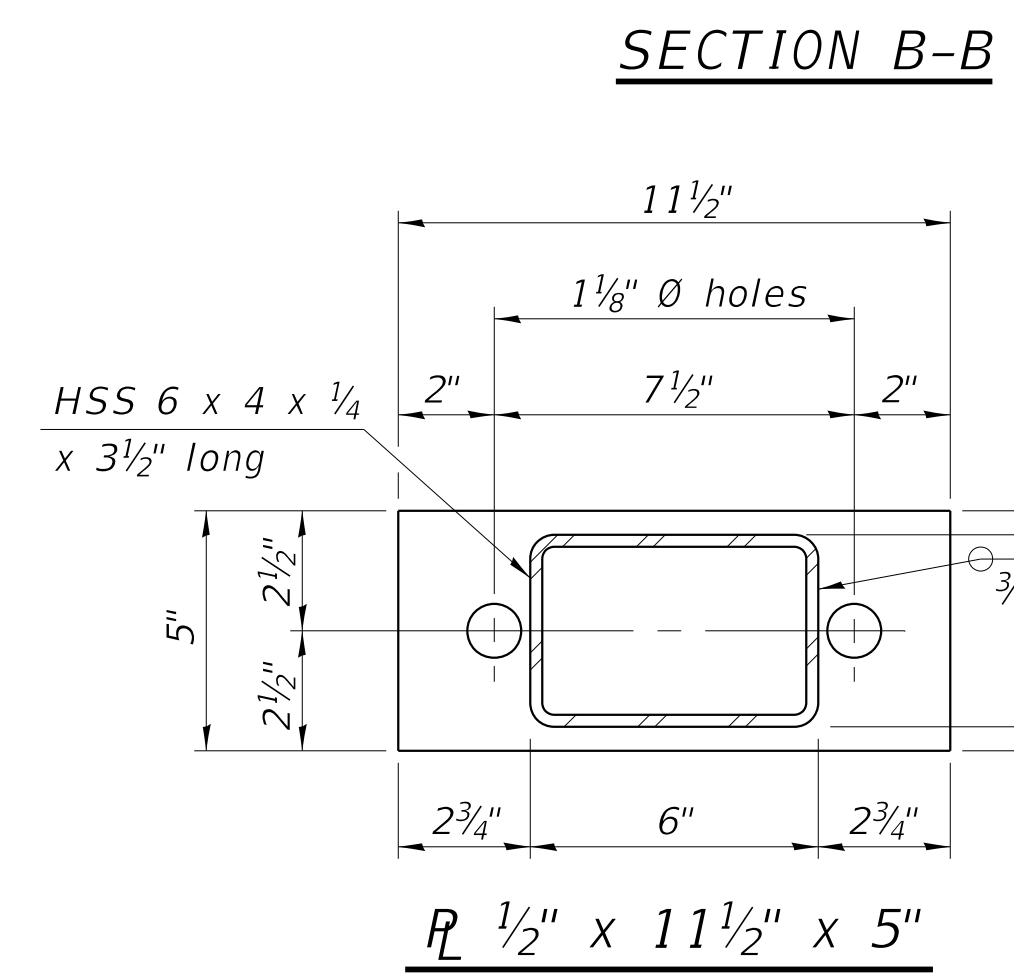
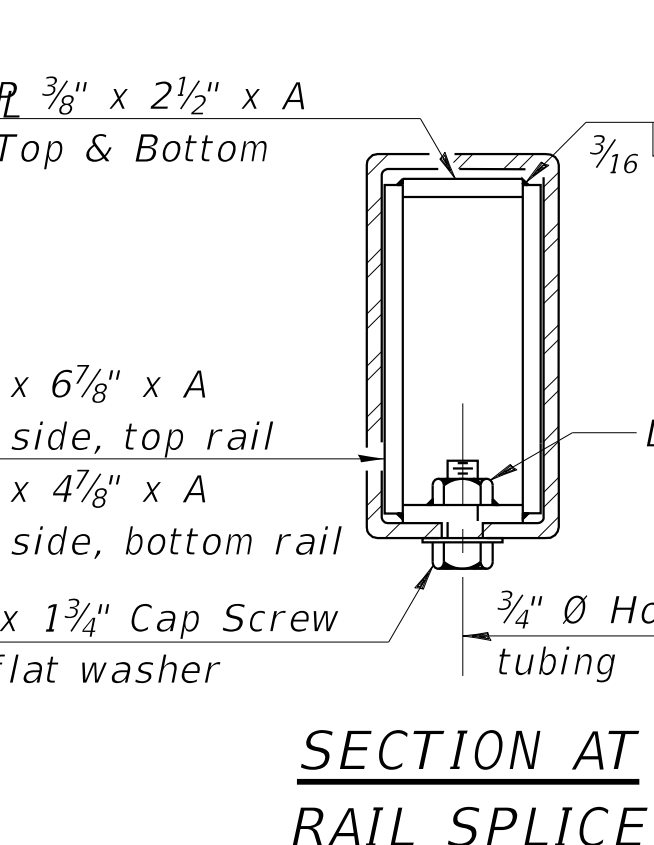
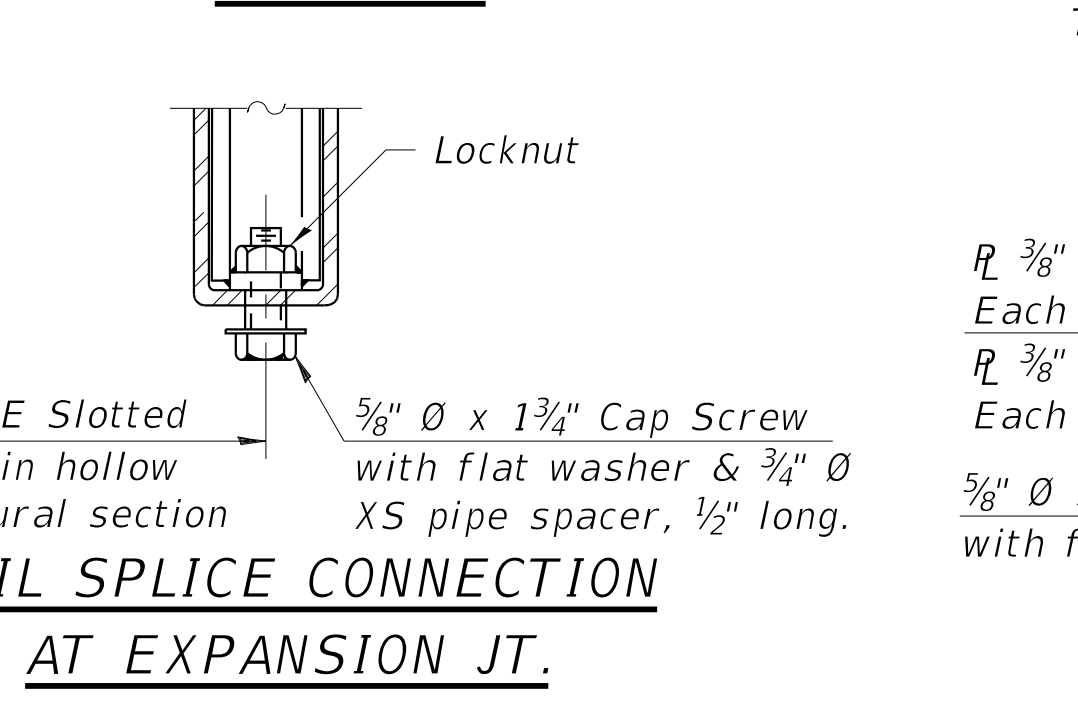
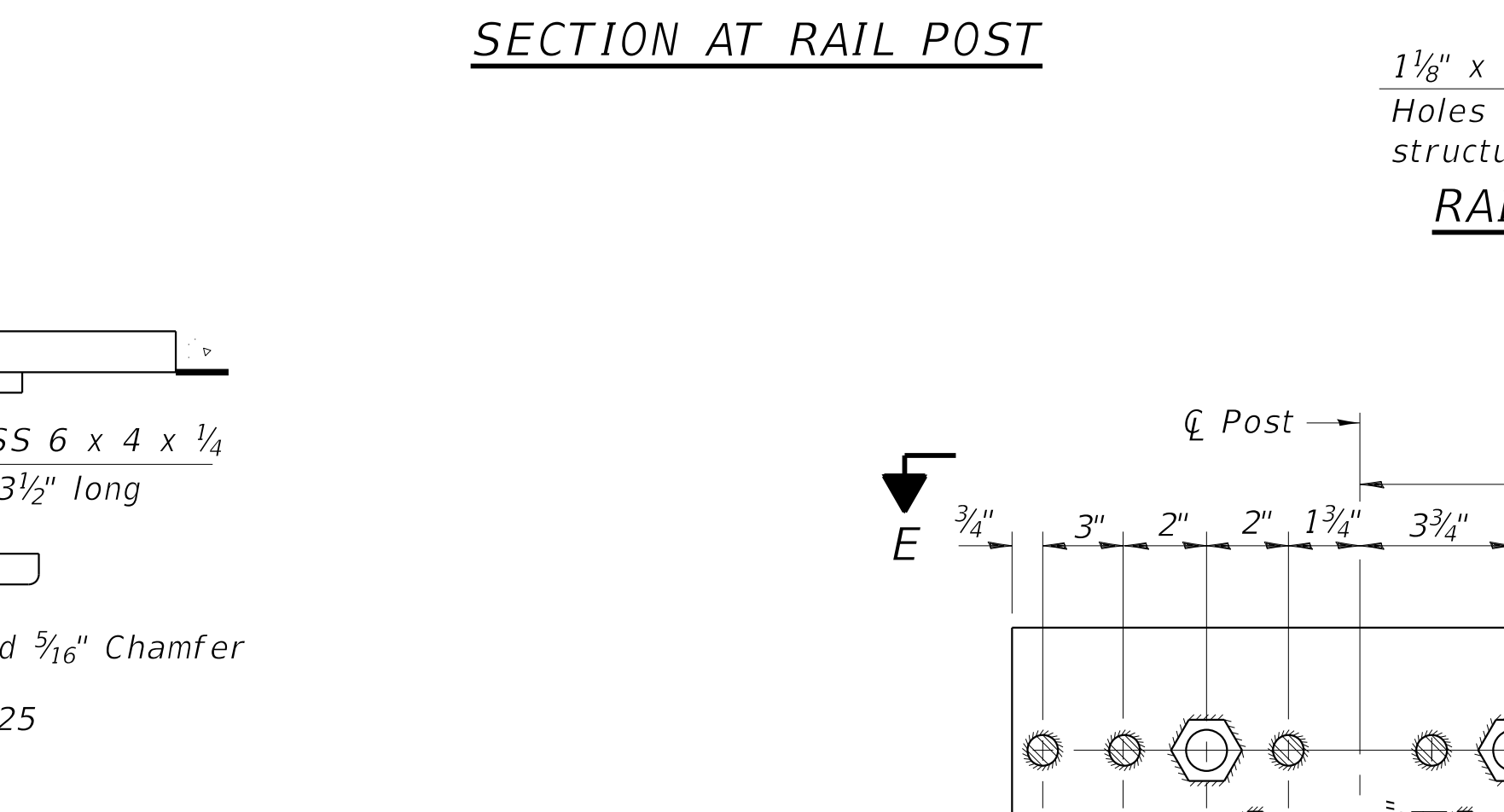
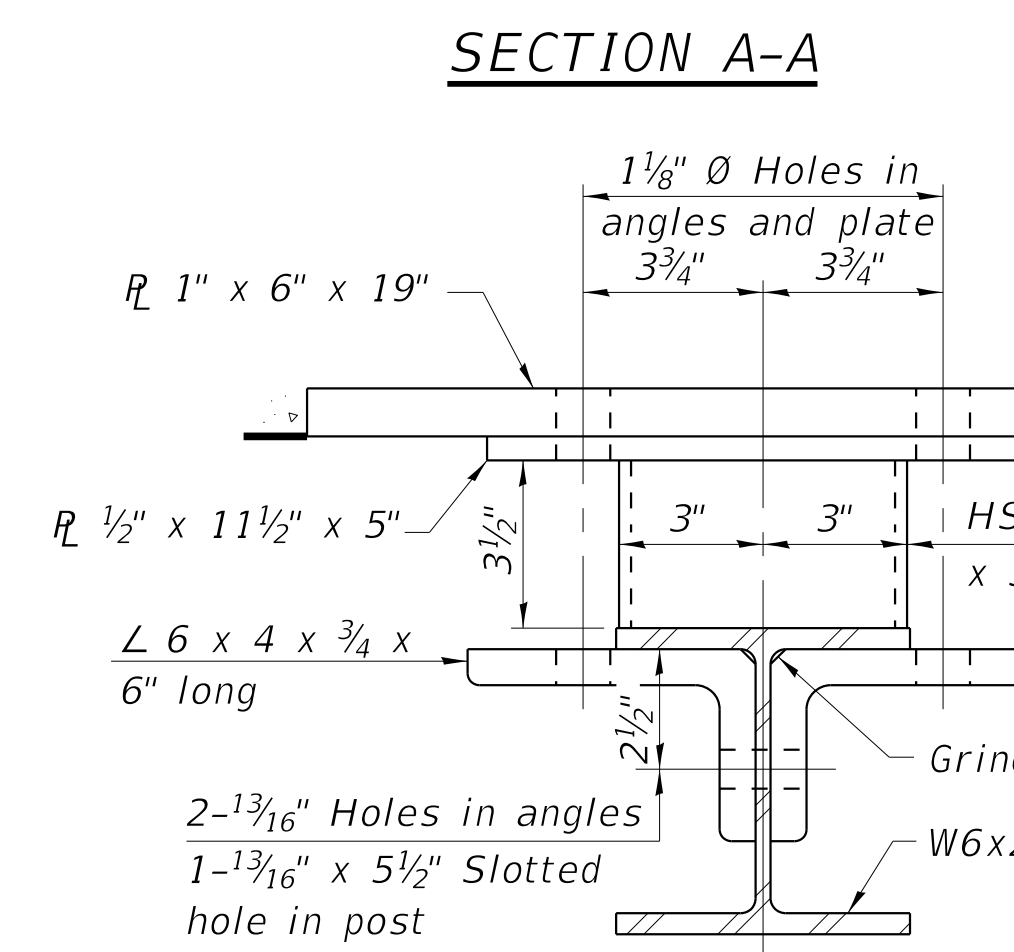
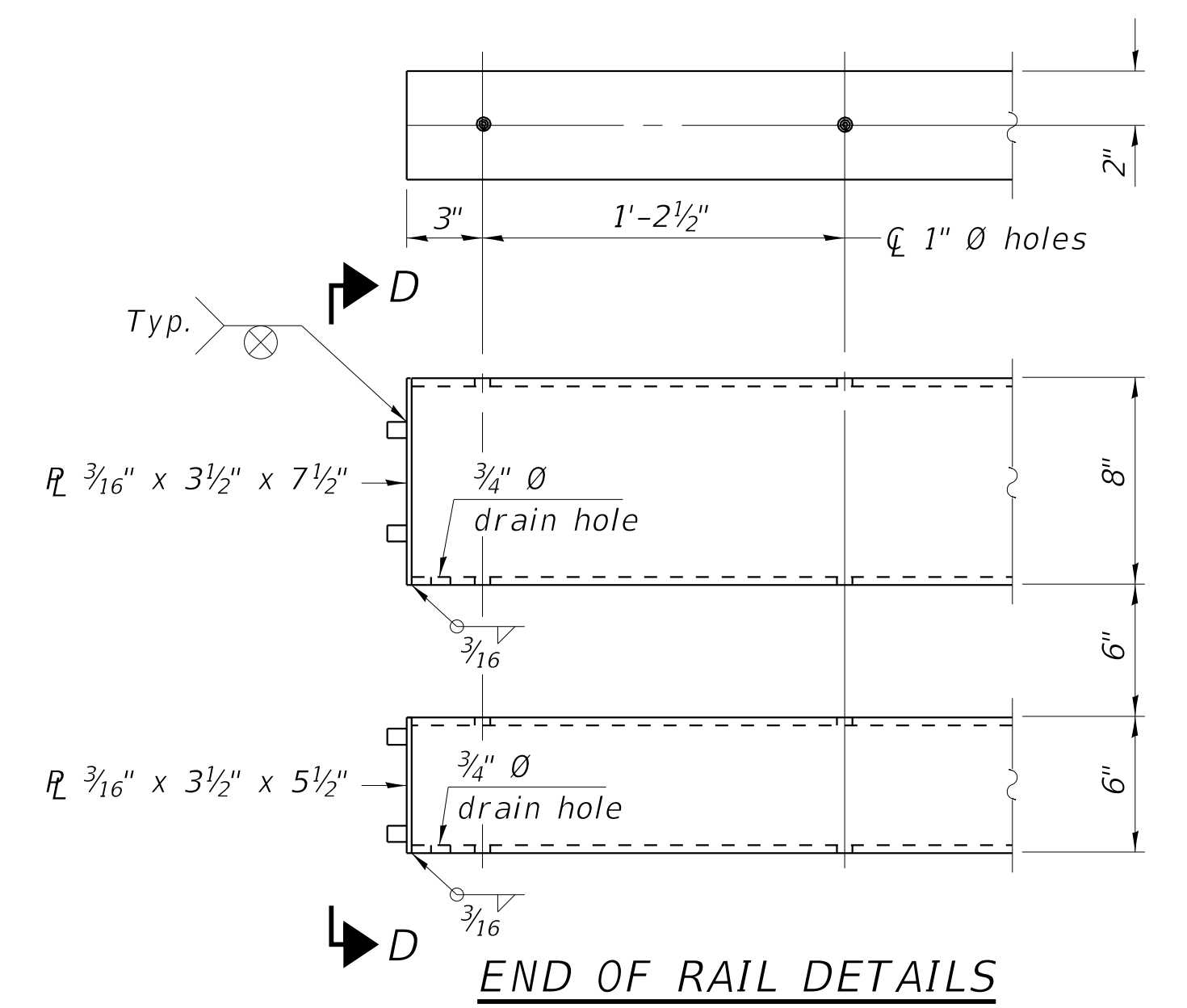
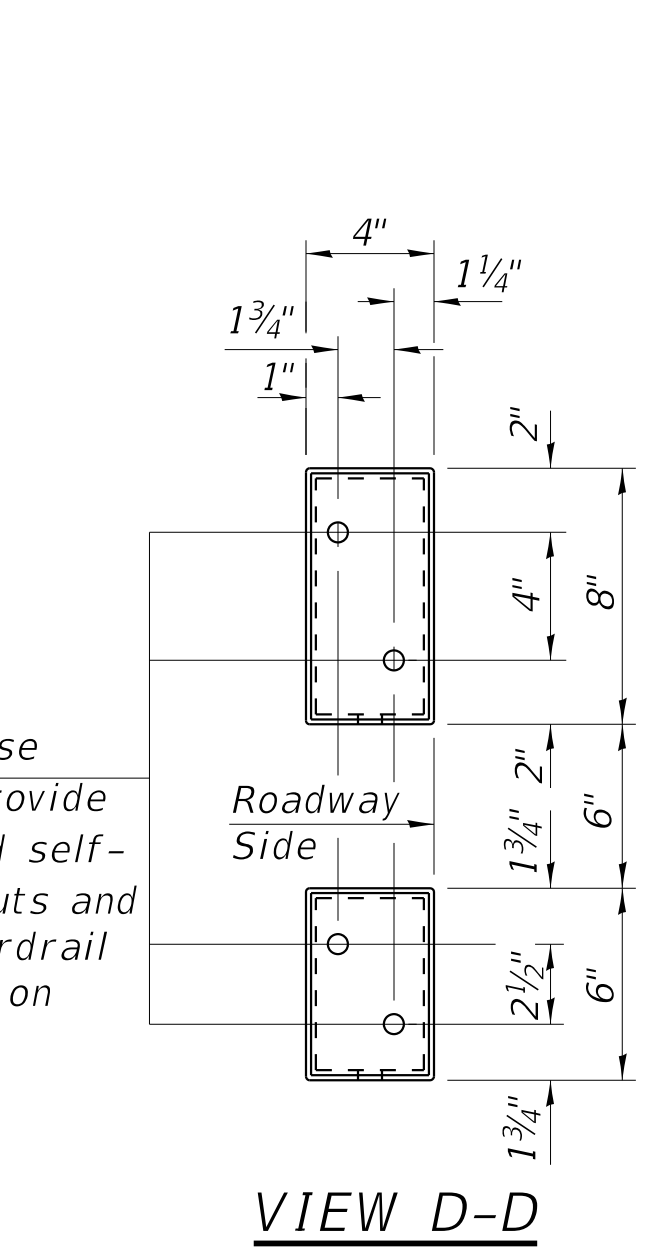
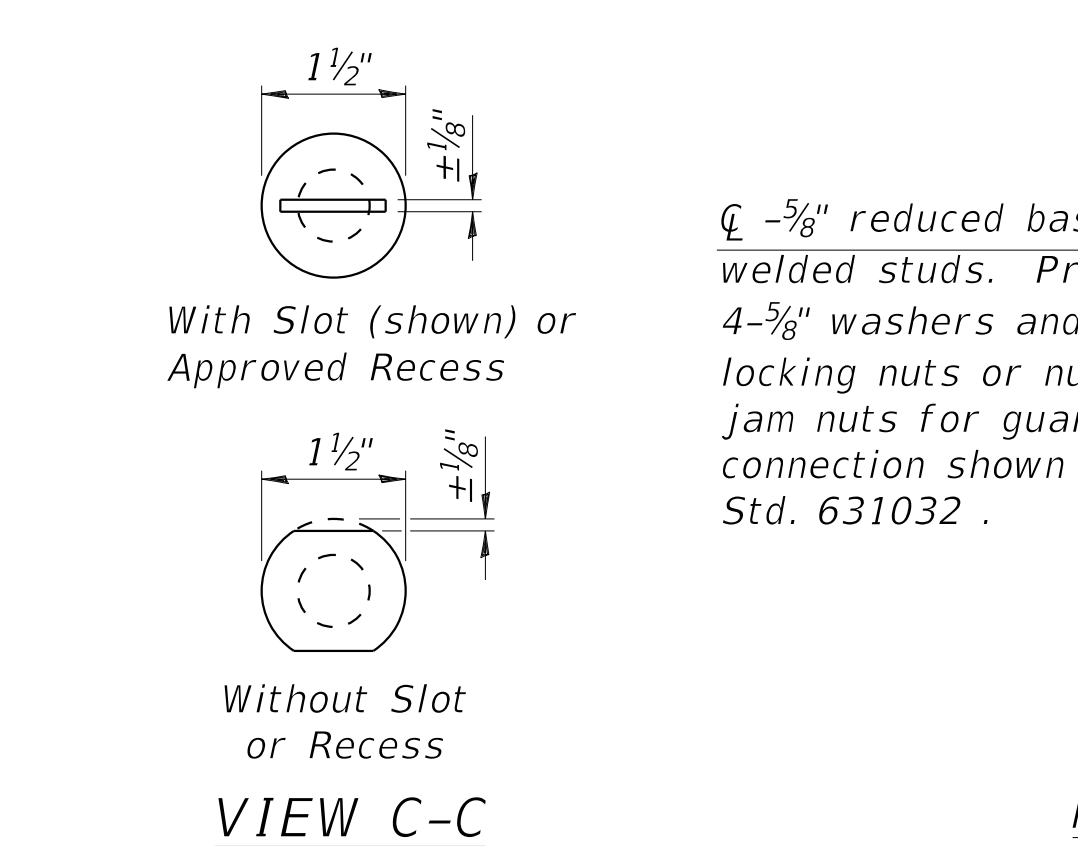
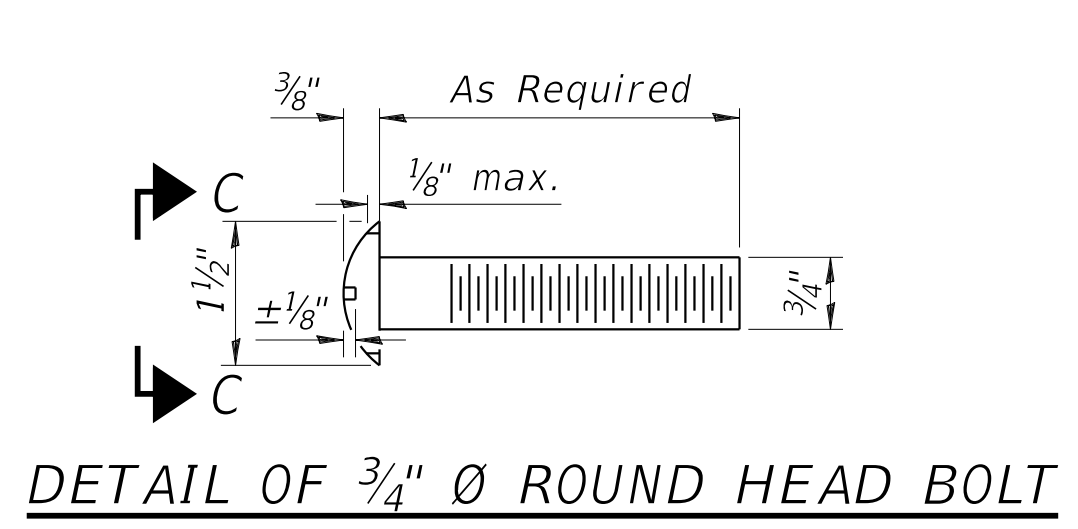
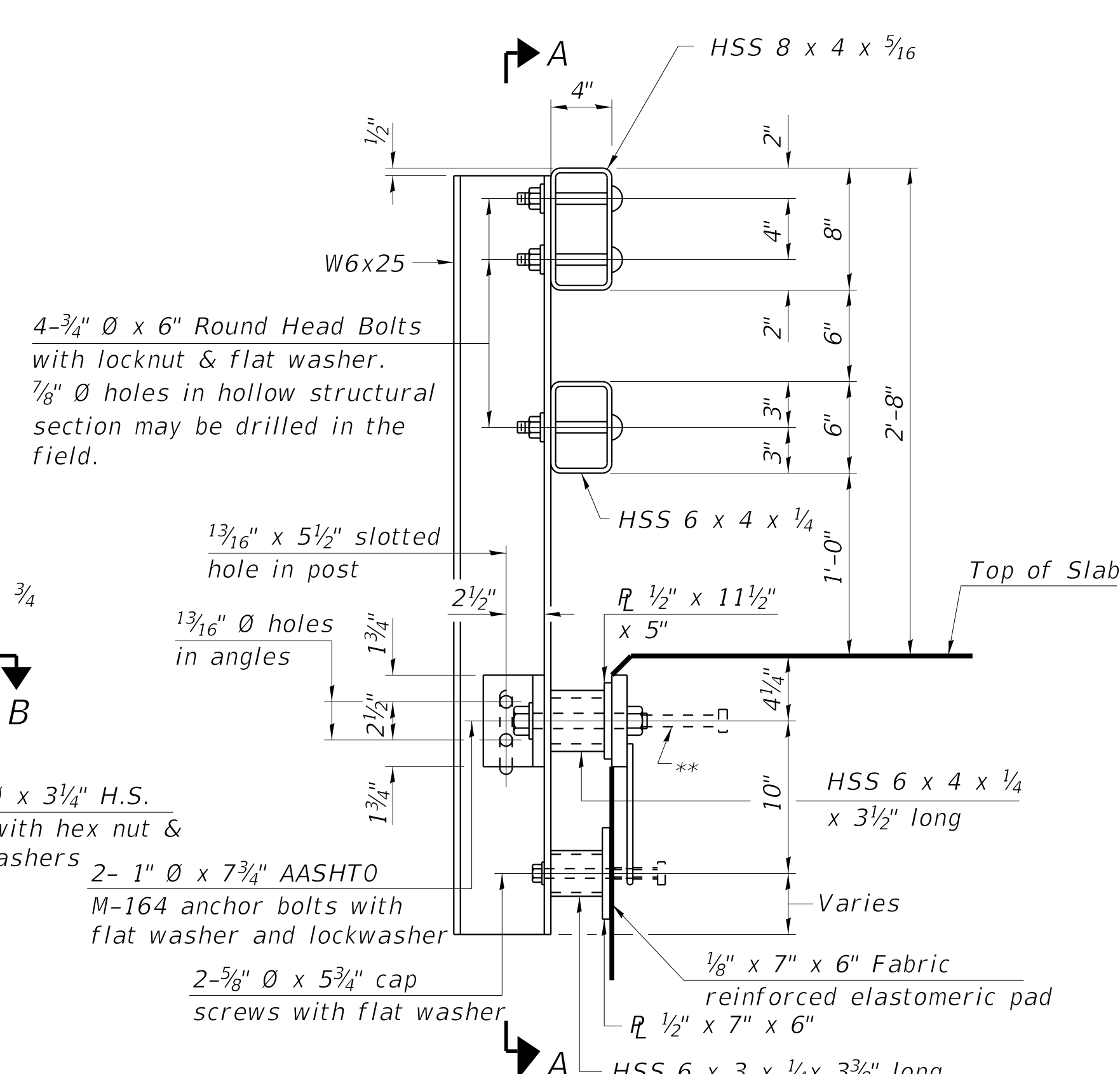
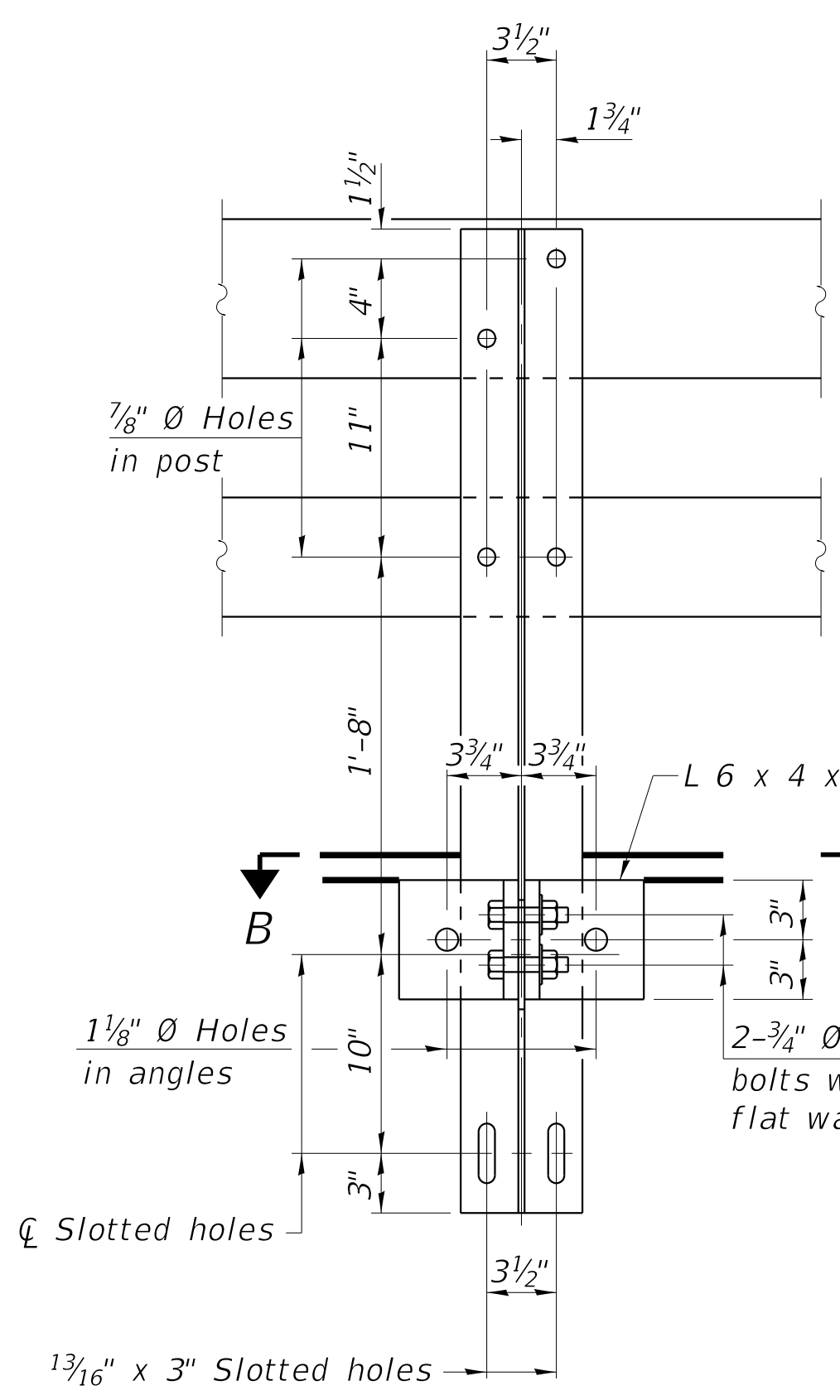
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**BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 019-4016**

SHEET 9 OF 20 SHEETS

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	25
CONTRACT NO. 87688				
ILLINOIS / FED. AID PROJECT				

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Notes:

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. The anchorage studs may be bent down 1/2" to accommodate the top reinforcement bar placement.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	489

(6'-3" Maximum Post Spacing)

BAXTER & WOODMAN
 Consulting Engineers

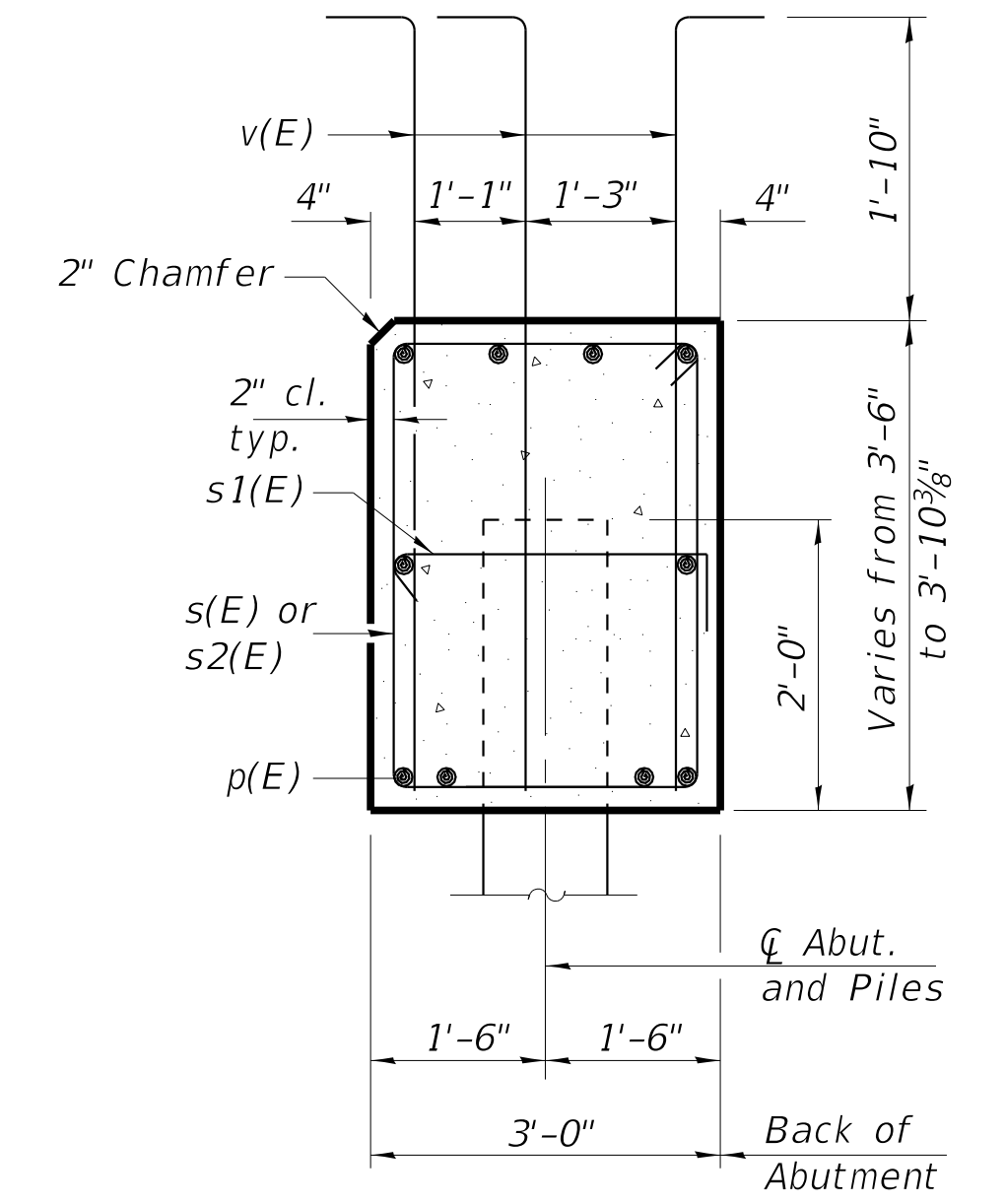
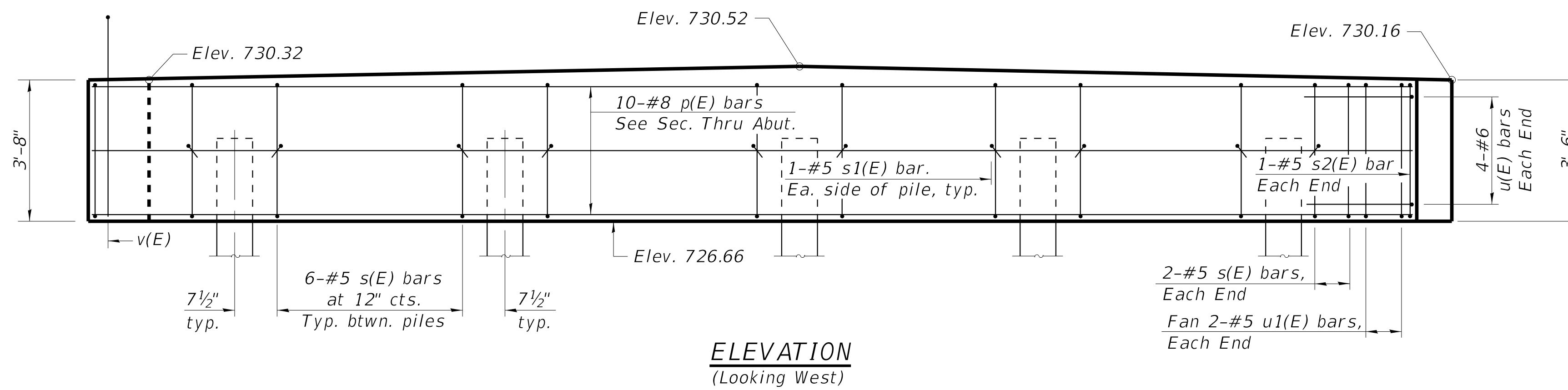
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STEEL RAILING, TYPE SM
 STRUCTURE NO. 019-4016

SHEET 10 OF 20 SHEETS

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	26
CONTRACT NO. 87688				
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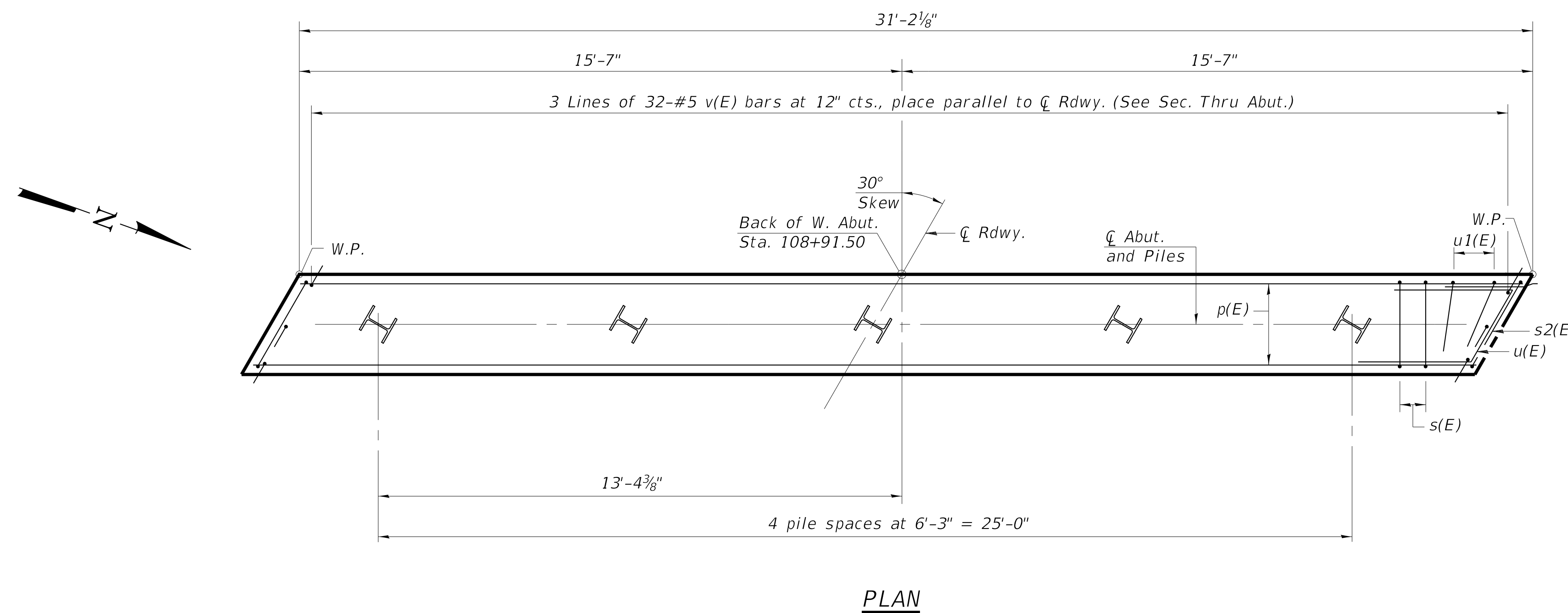
SEC. THRU ABUT.

Dimensions at right angles to abutment.

BILL OF MATERIAL

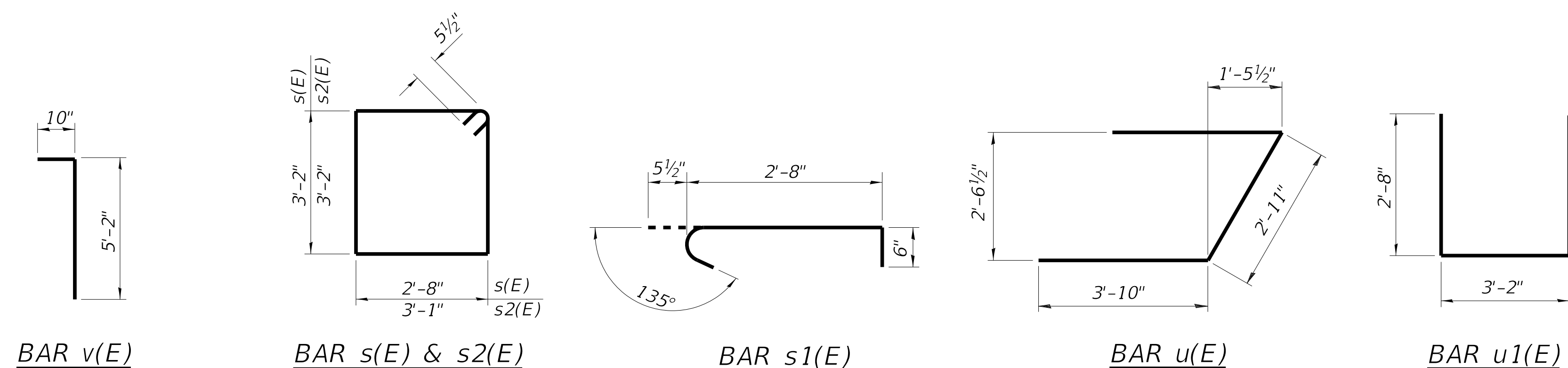
Bar	No.	Size	Length	Shape
p(E)	10	#8	30'-10"	—
s(E)	28	#5	12'-7"	□
s1(E)	10	#5	3'-8"	┌
s2(E)	2	#5	13'-5"	└
u(E)	8	#6	10'-7"	┌
u1(E)	4	#5	8'-6"	└
v(E)	96	#5	6'-0"	—
Structure Excavation		Cu. Yd.	81	
Concrete Structures		Cu. Yd.	12.6	
Reinforcement Bars, Epoxy Coated		Pound	2,030	
Furnishing Steel Piles HP12x53		Foot	264	
Driving Piles HP12x53		Foot	264	
Test Pile Steel HP12x53		Each	1	
Pile Shoes		Each	5	
Cofferdam (Type 1) (Location - 1)		Each	1	

For details of piles see sheet 18 of 20.



PILE DATA

Type: Steel - HP12x53 with pile shoes
 Nominal Required Bearing: 273 Kips
 Factored Resistance Available: 131 Kips
 Est. Length: 66'
 No. Production Piles: 4
 No. Test Piles: 1



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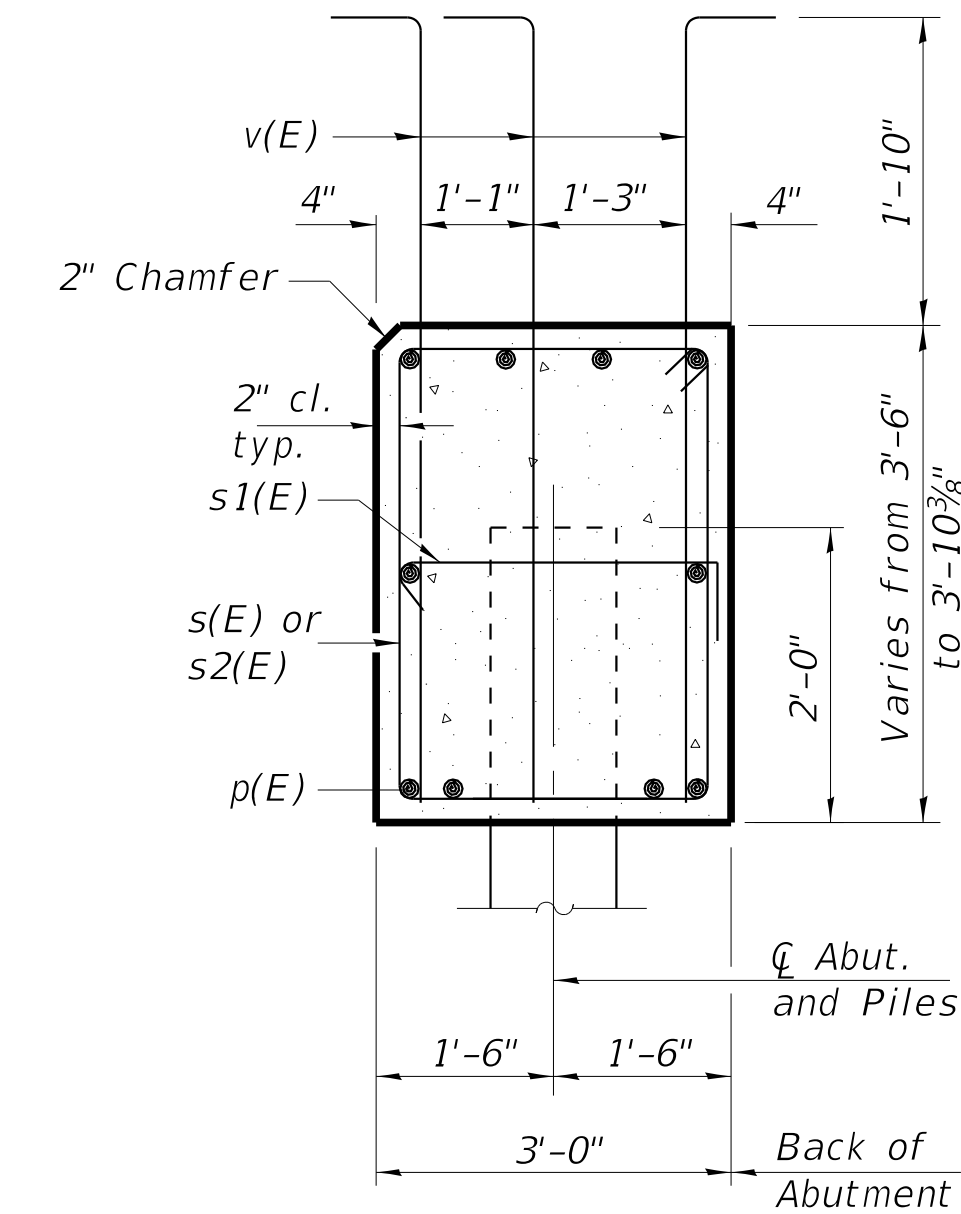
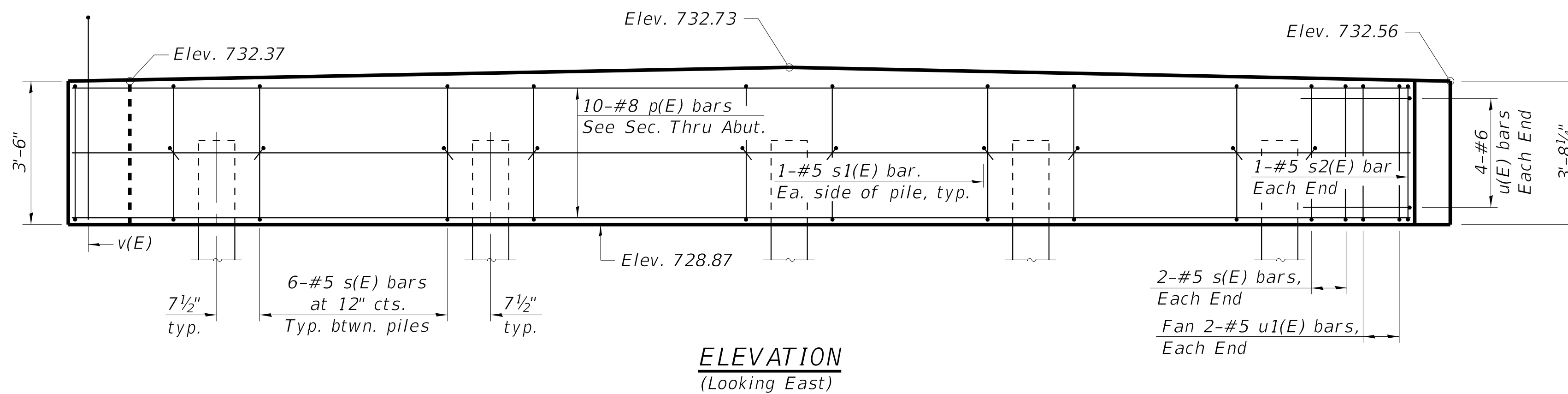
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WEST ABUTMENT
 STRUCTURE NO. 019-4016**

SHEET 11 OF 20 SHEETS

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	27
CONTRACT NO. 87688				

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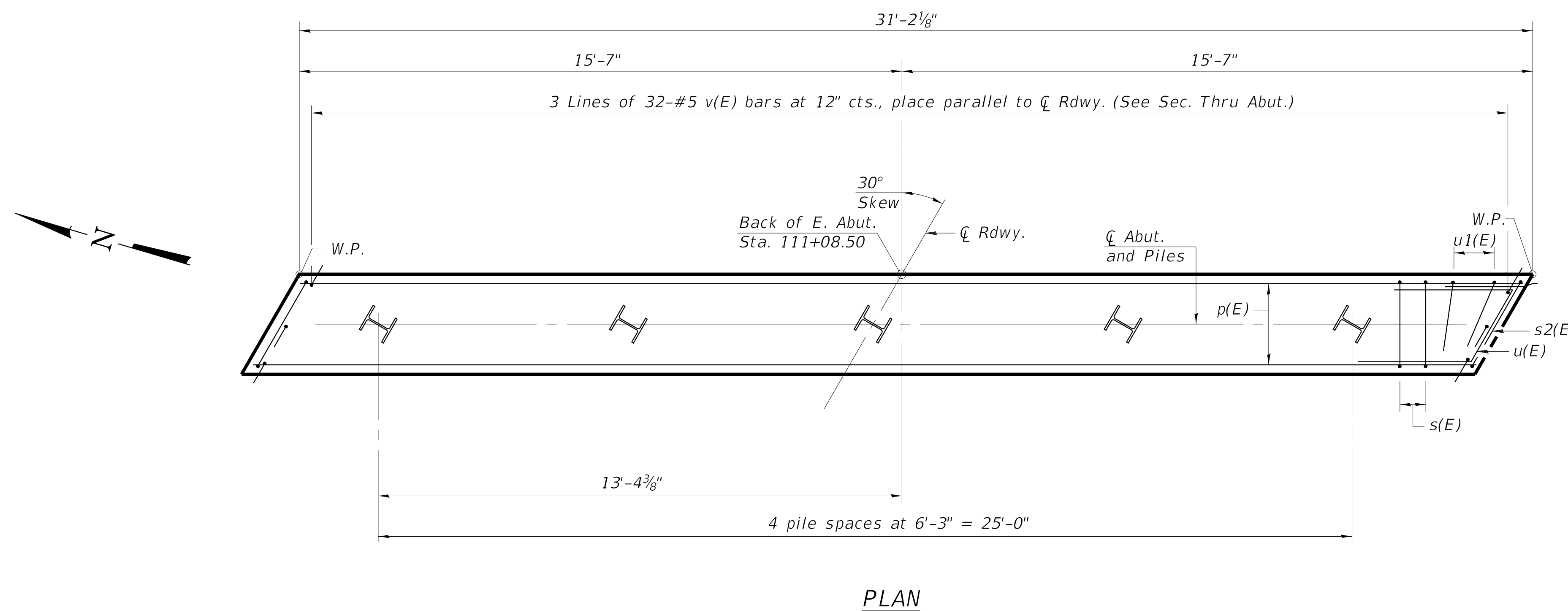
SEC. THRU ABUT.

Dimensions at right angles to abutment.

BILL OF MATERIAL

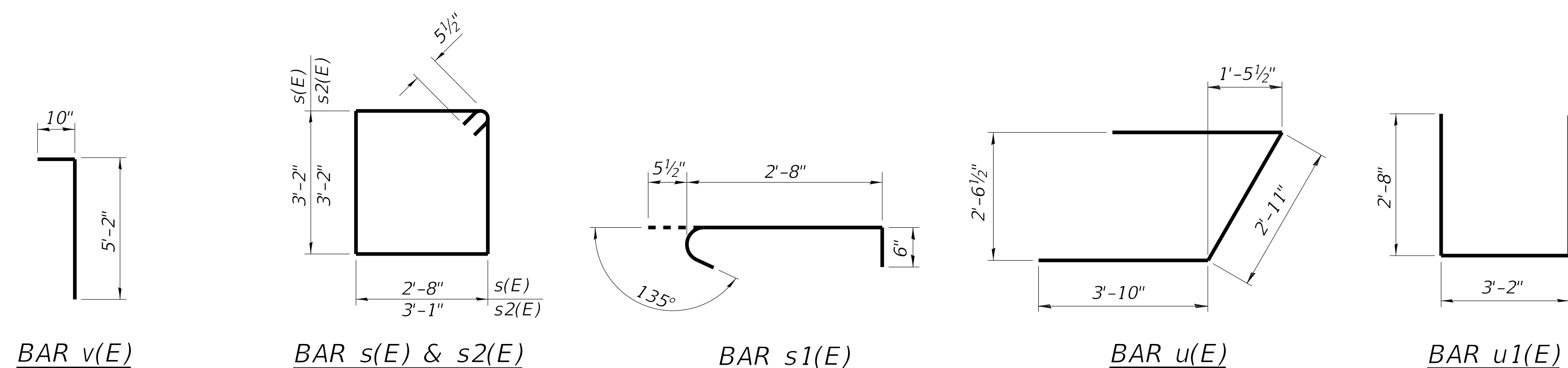
Bar	No.	Size	Length	Shape
p(E)	10	#8	30'-10"	—
s(E)	28	#5	12'-7"	□
s1(E)	10	#5	3'-8"	┌
s2(E)	2	#5	13'-5"	└
u(E)	8	#6	10'-7"	┌
u1(E)	4	#5	8'-6"	└
v(E)	96	#5	6'-0"	—
Structure Excavation		Cu. Yd.	81	
Concrete Structures		Cu. Yd.	12.6	
Reinforcement Bars, Epoxy Coated		Pound	2,030	
Furnishing Steel Piles HP12x53		Foot	112	
Driving Piles HP12x53		Foot	112	
Test Pile Steel HP12x53		Each	1	
Pile Shoes		Each	5	
Cofferdam (Type 1) (Location - 5)		Each	1	

For details of piles see sheet 18 of 20.

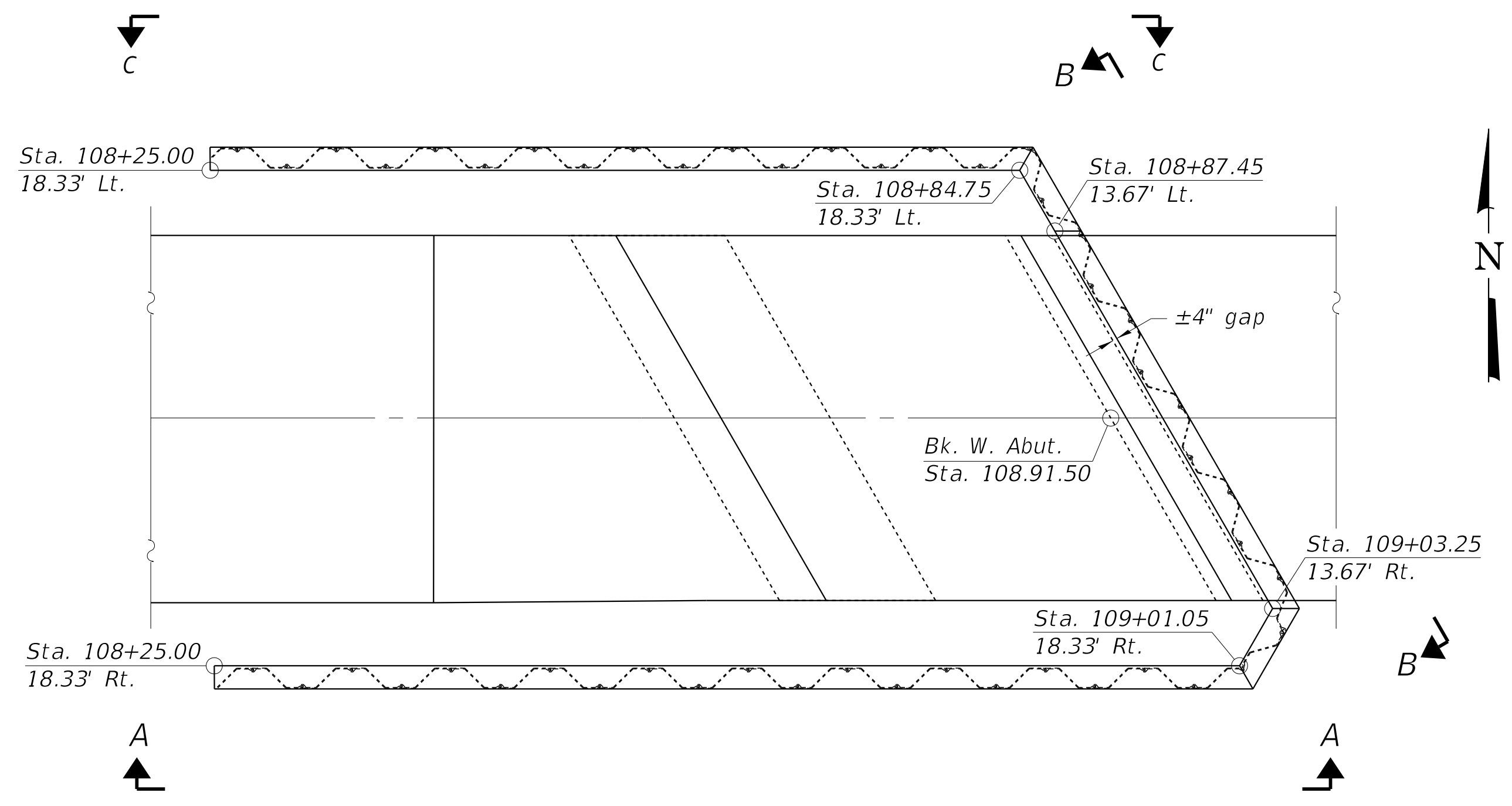
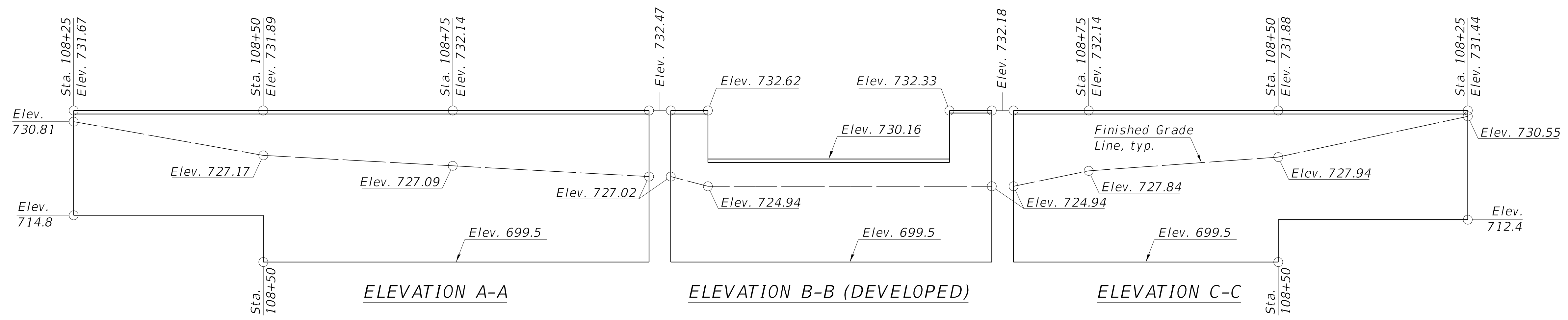


PILE DATA

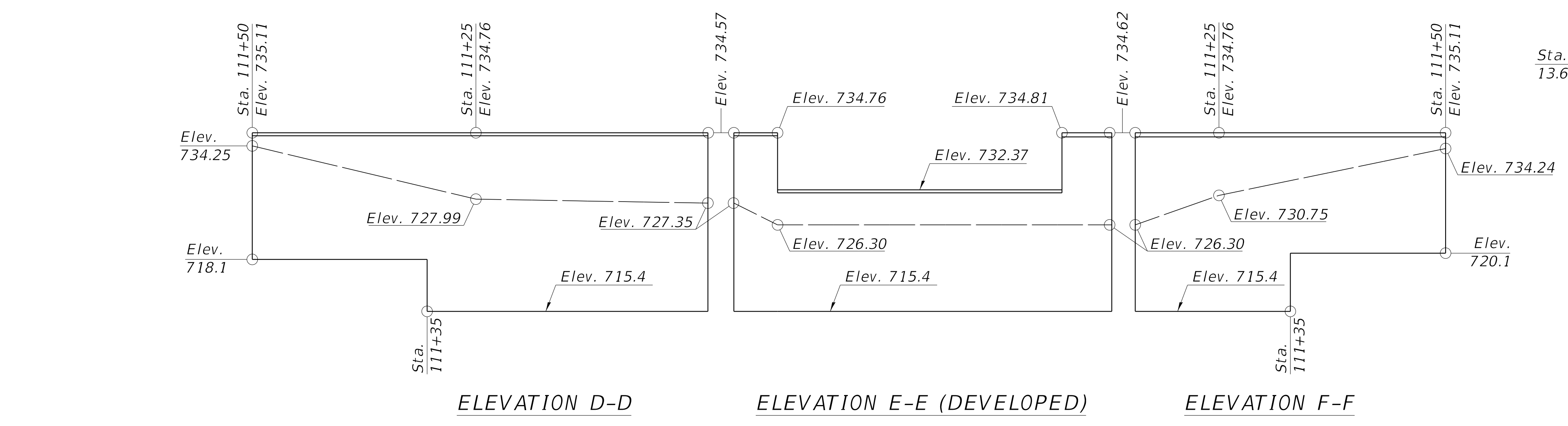
Type: Steel - HP12x53 with pile shoes
 Nominal Required Bearing: 250 Kips
 Factored Resistance Available: 131 Kips
 Est. Length: 28'
 No. Production Piles: 4
 No. Test Piles: 1



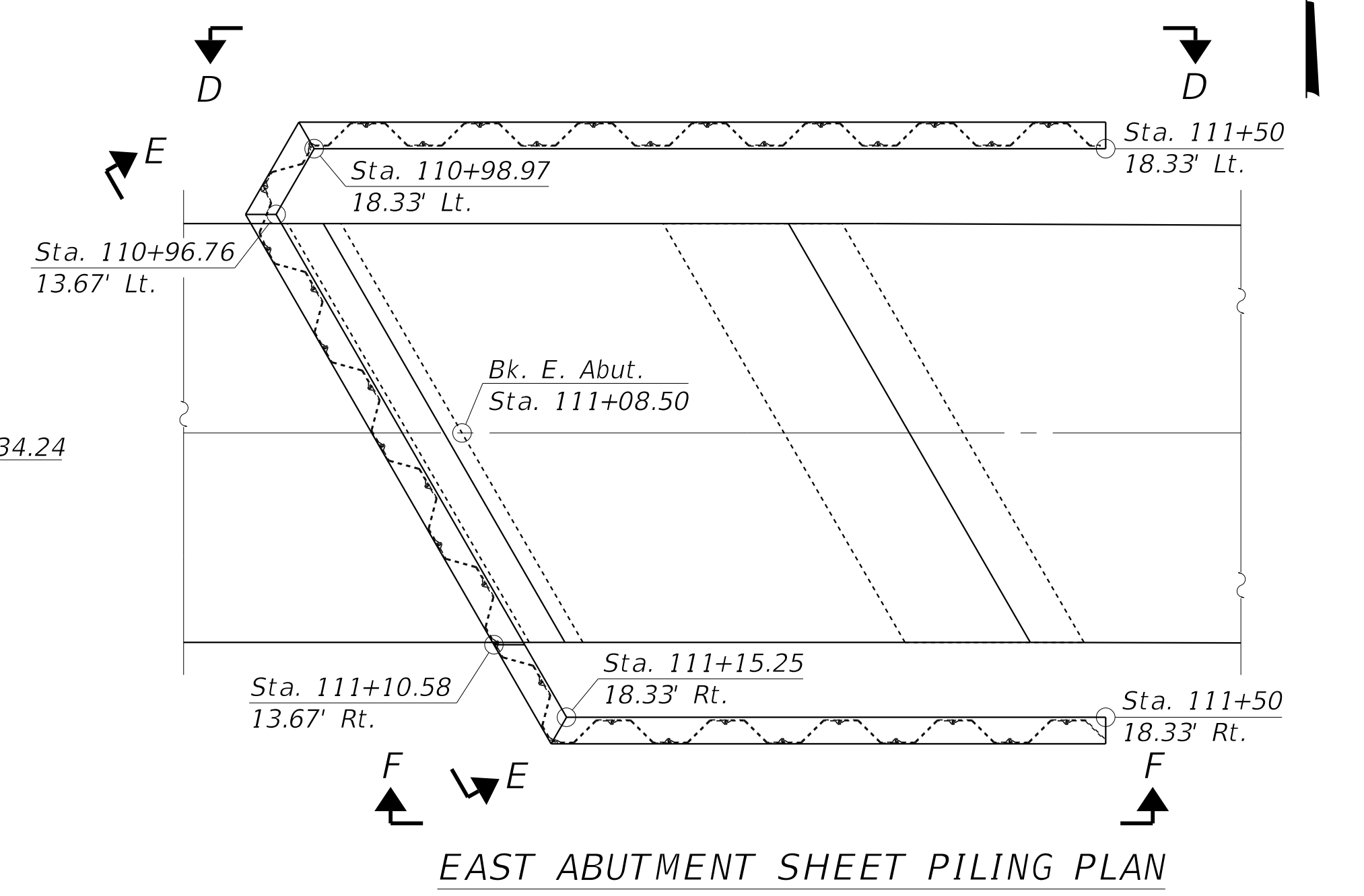
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WEST ABUTMENT SHEET PILING PLAN



ELEVATION D-D ELEVATION E-E (DEVELOPED) ELEVATION F-F



EAST ABUTMENT SHEET PILING PLAN

NOTES

1. Theoretical corner locations shown. Field adjustments shall be made to account for the actual geometry of driven sheet pile sections.
2. Minimum required Section Modulus for Permanent Sheet Piling = 48.5 in³ /ft.
3. Sheet piling details may be modified or supplemented as needed to support slab falsework. See Superstructure Details. Remove any additional hardware not needed for the permanent condition.

BILL OF MATERIAL

Item	Unit	Quantity
Permanent Sheet Piling	Sq. Ft.	7,320

The cost of the fabricated steel cap, bolts, washers, geosynthetic filter fabric, and elastomeric mat shall be included in the cost of Permanent Sheet Piling.

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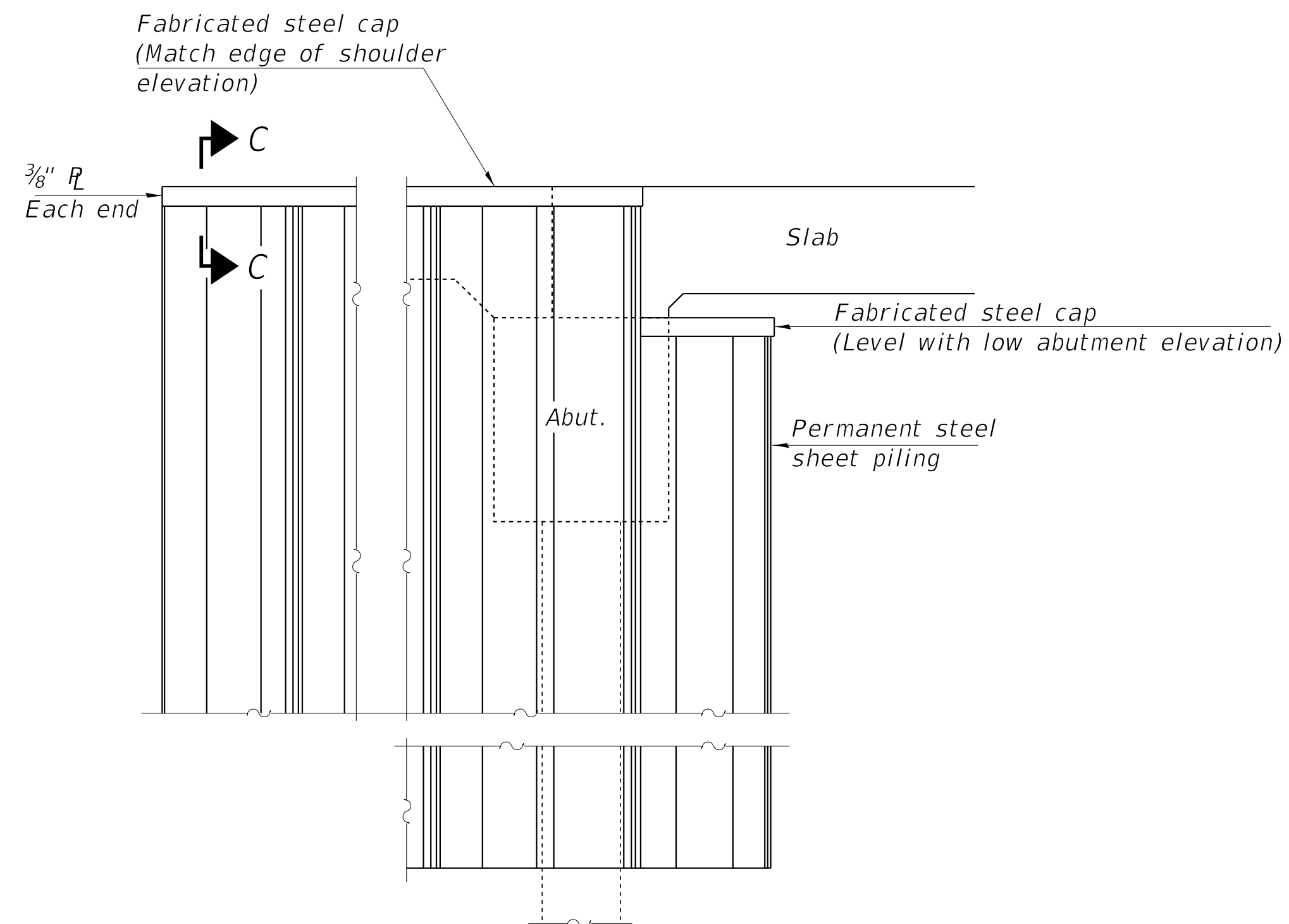
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL SHEET PILING
STRUCTURE NO. 019-4016
SHEET 13 OF 20 SHEETS

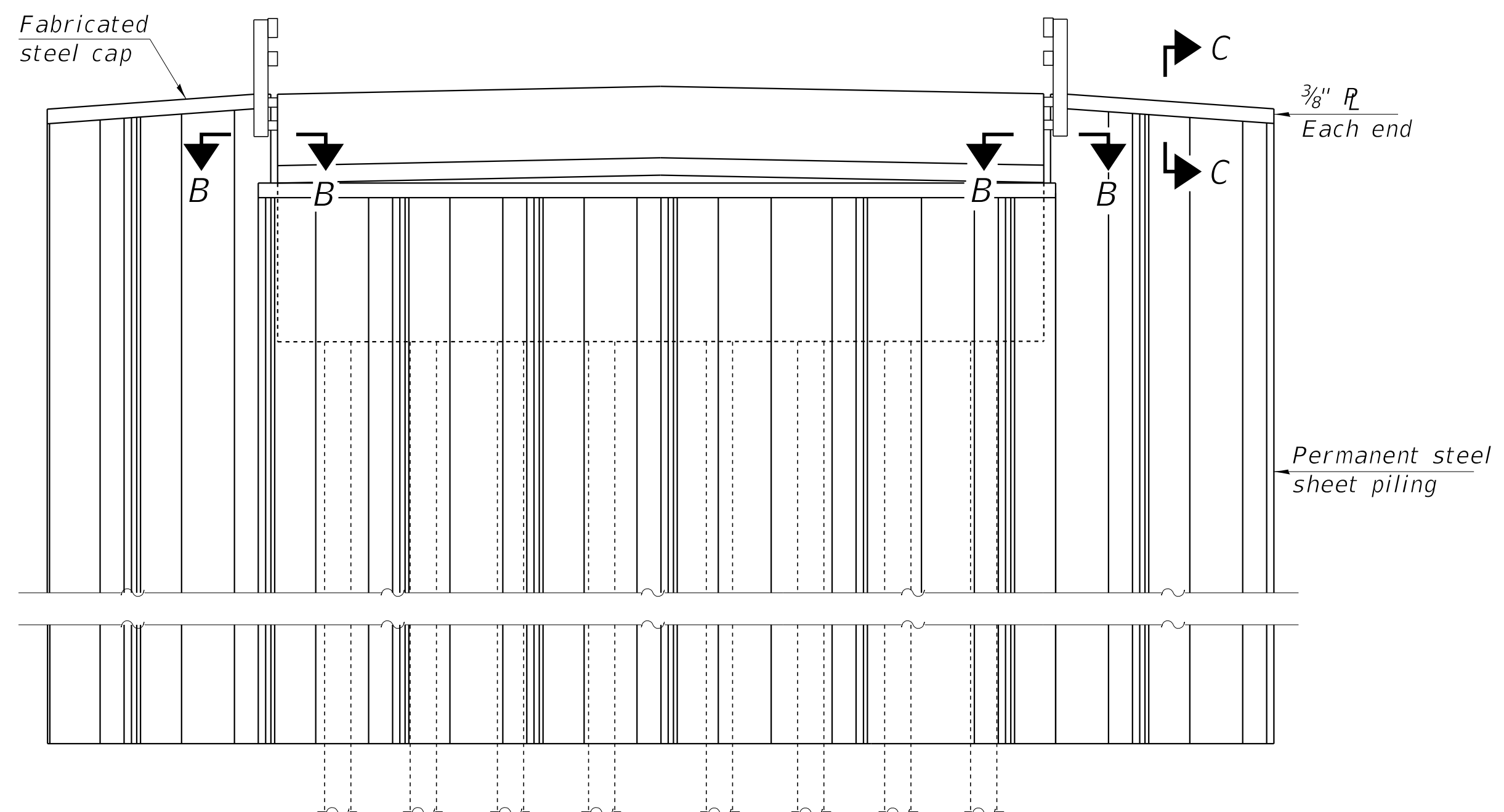
TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	29
CONTRACT NO. 87688				

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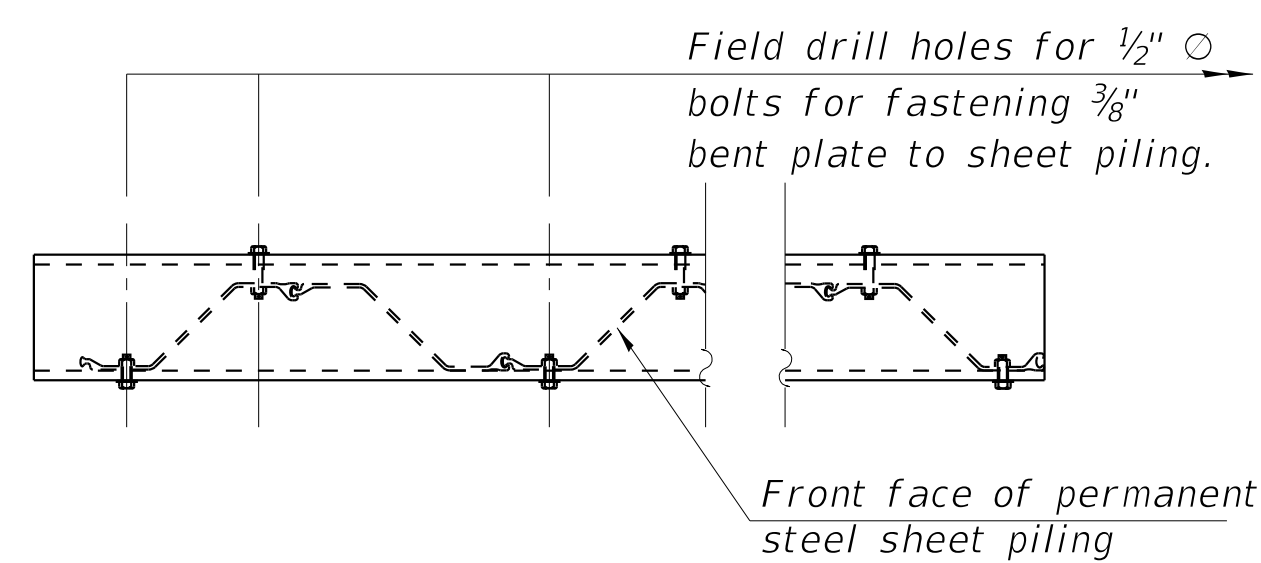


TYPICAL WINGWALL ELEVATION

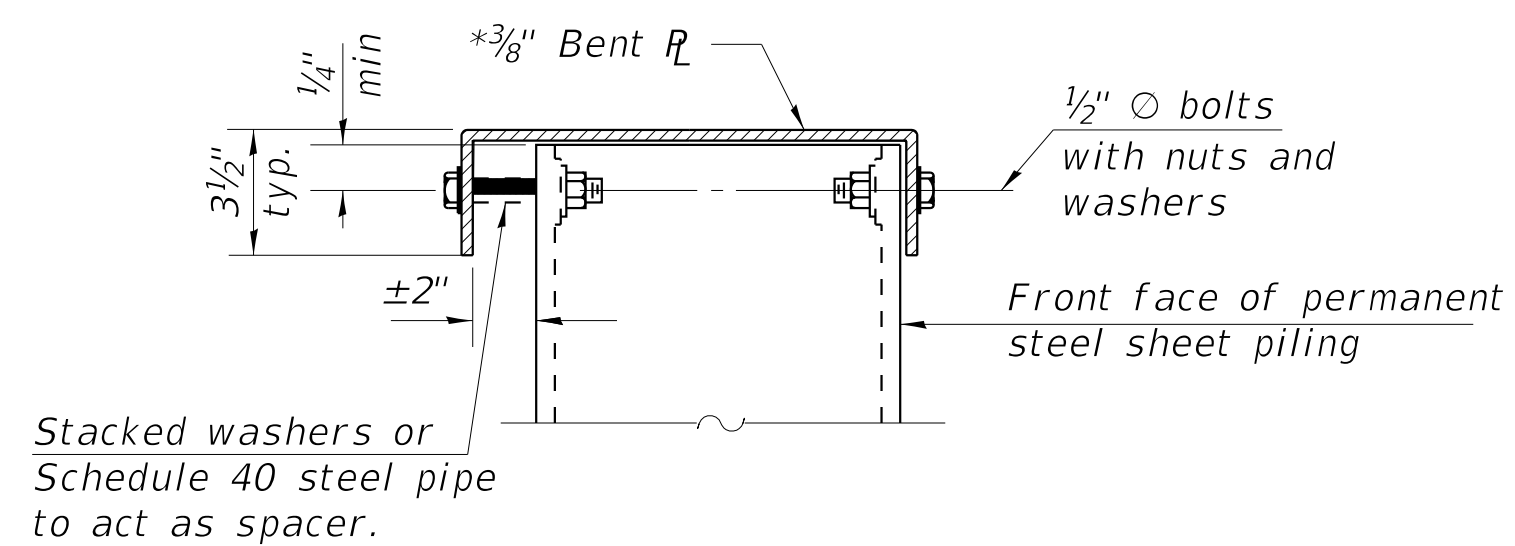


TYPICAL ELEVATION UNDER SLAB

See Elevations B-B and E-E previous sheet

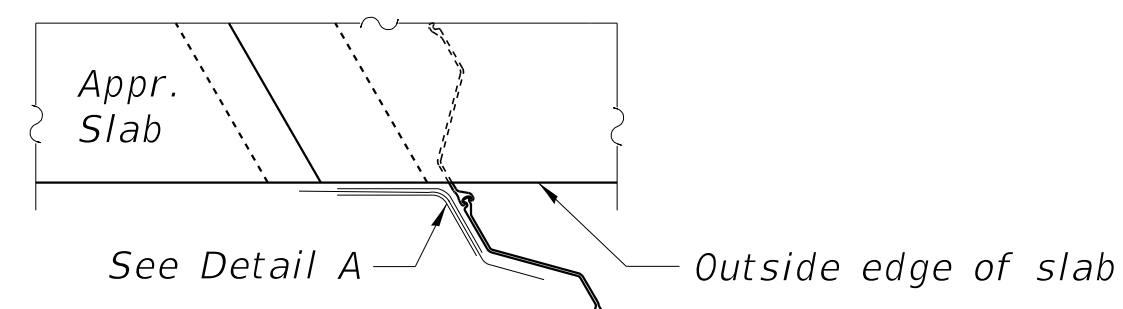
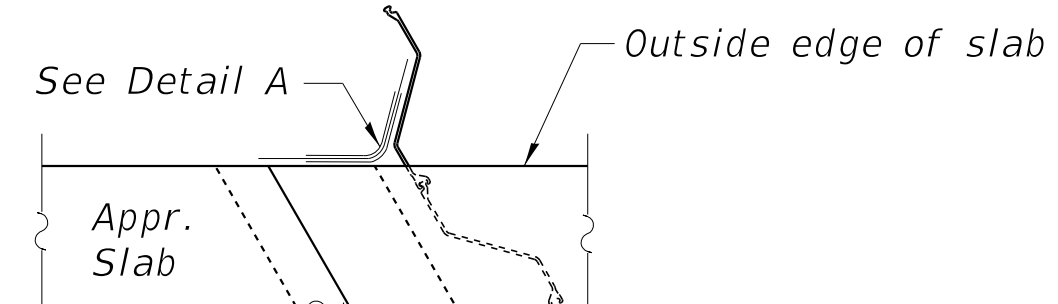


WINGWALL PLAN

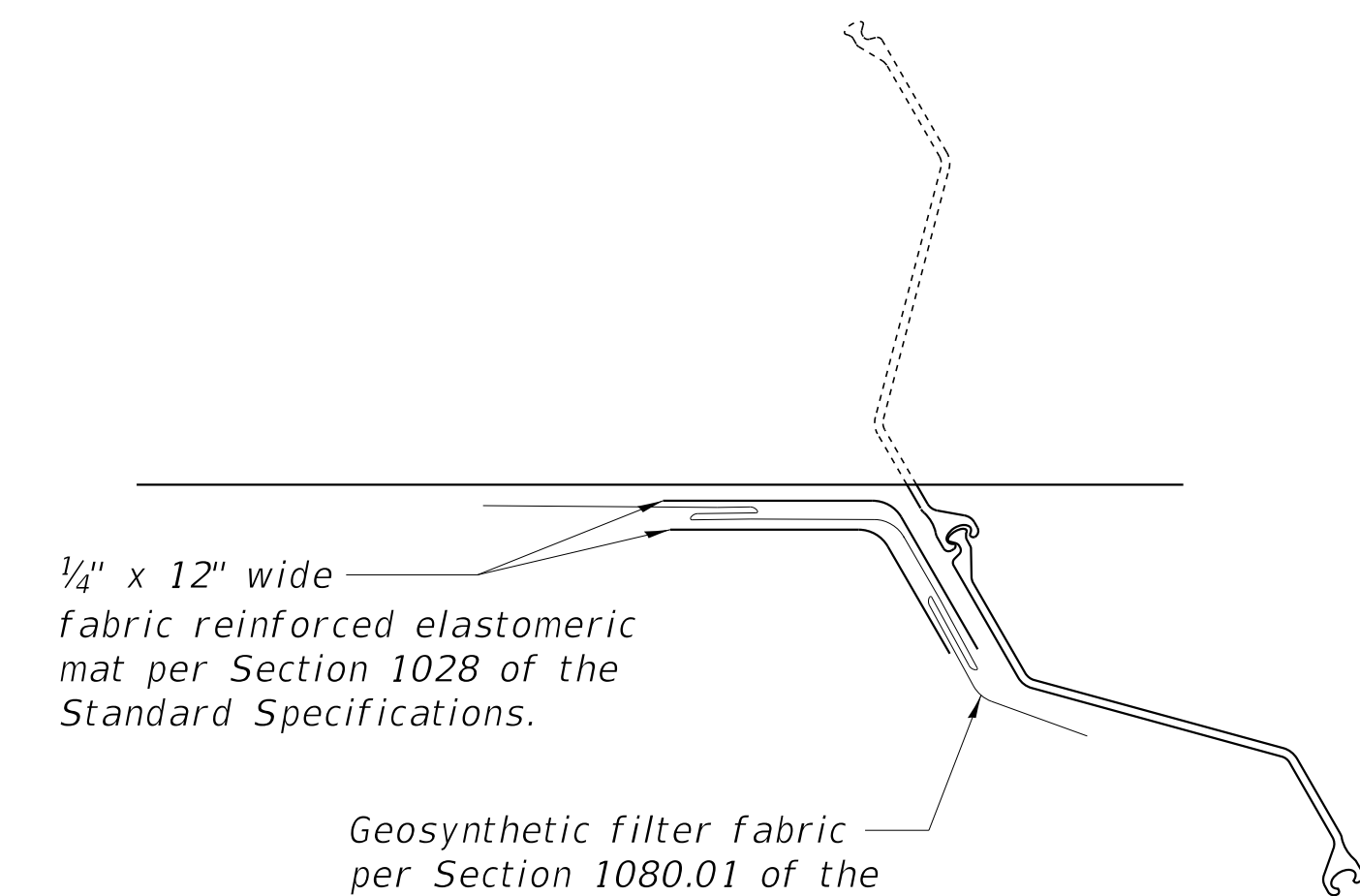


SECTION C-C

* AASHTO M270 Grade 50W



SECTION B-B



DETAIL A



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PLOT DATE = 10/23/2019	DATE - 8-20-19	FILE - abutments.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STEEL SHEET PILING DETAILS
STRUCTURE NO. 019-4016**

SHEET 14 OF 20 SHEETS

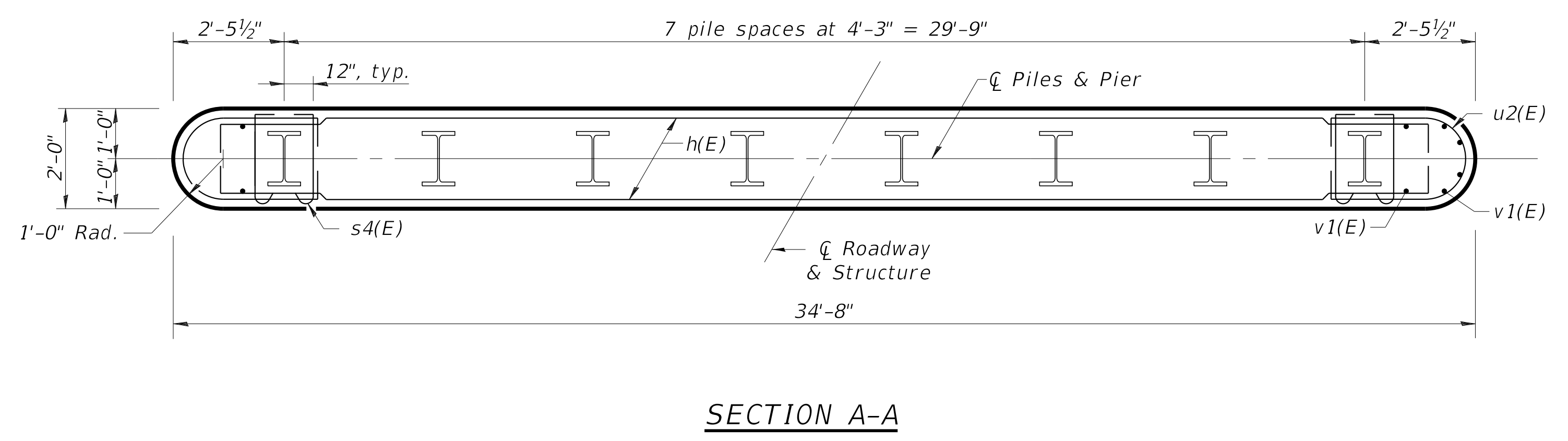
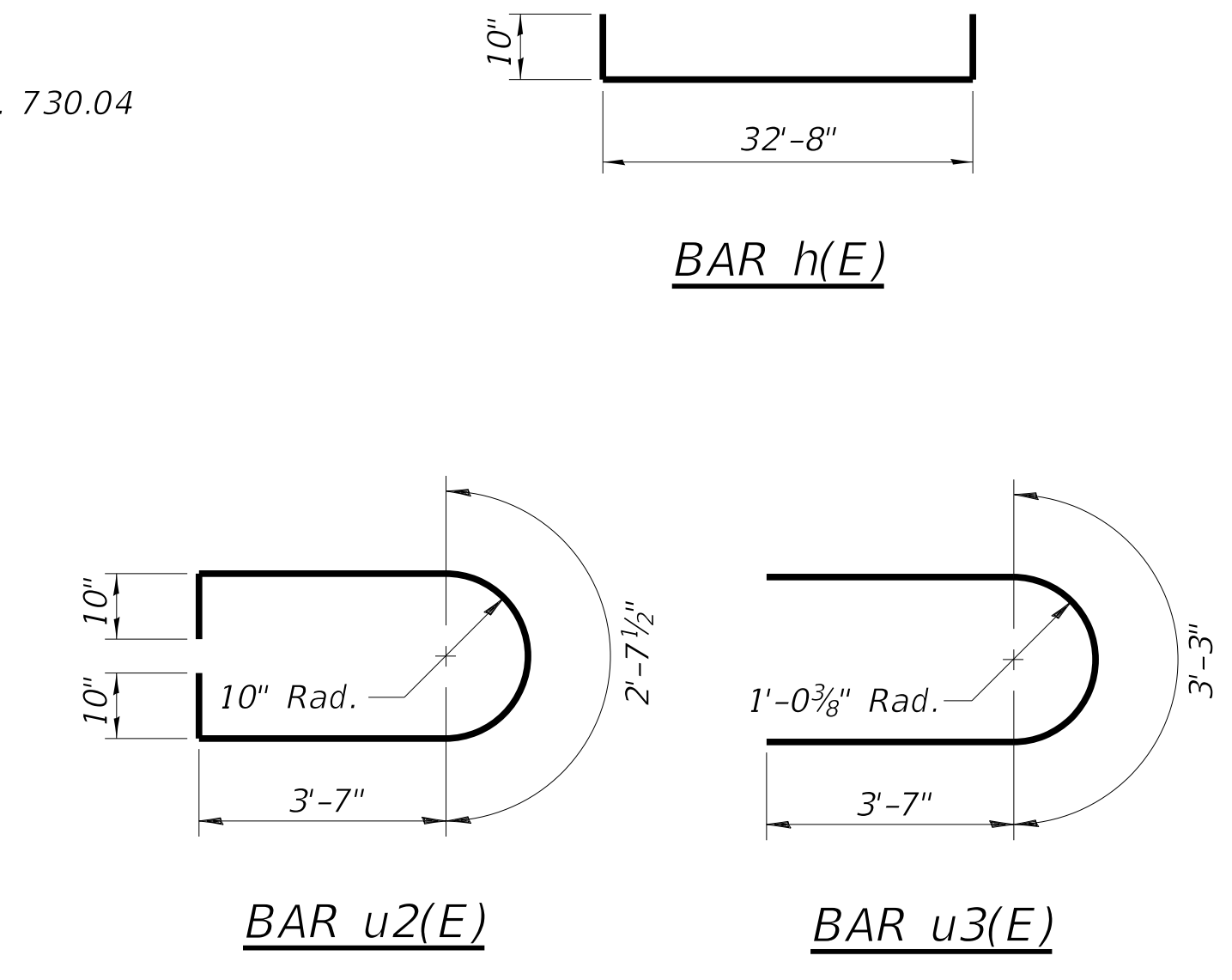
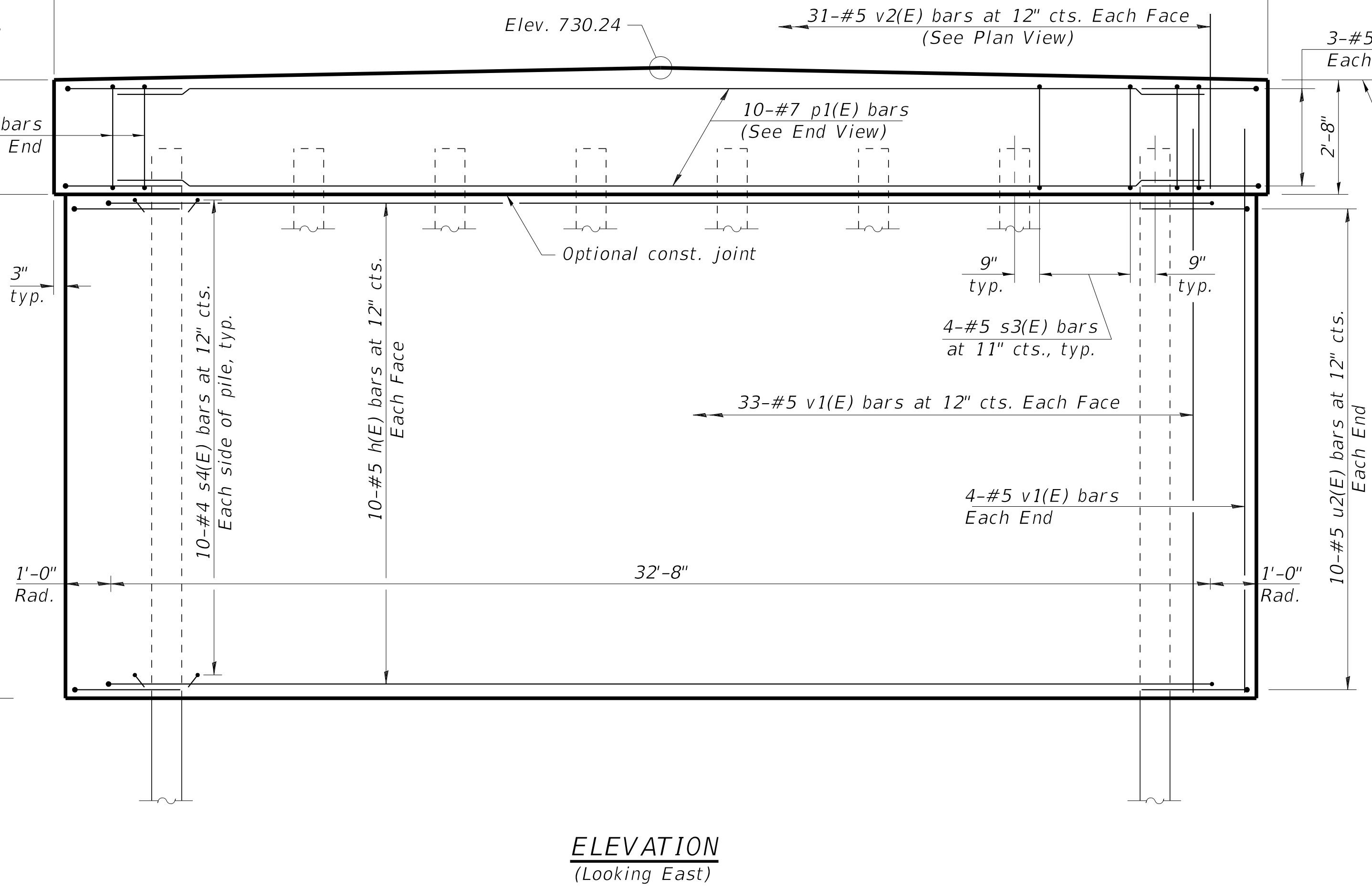
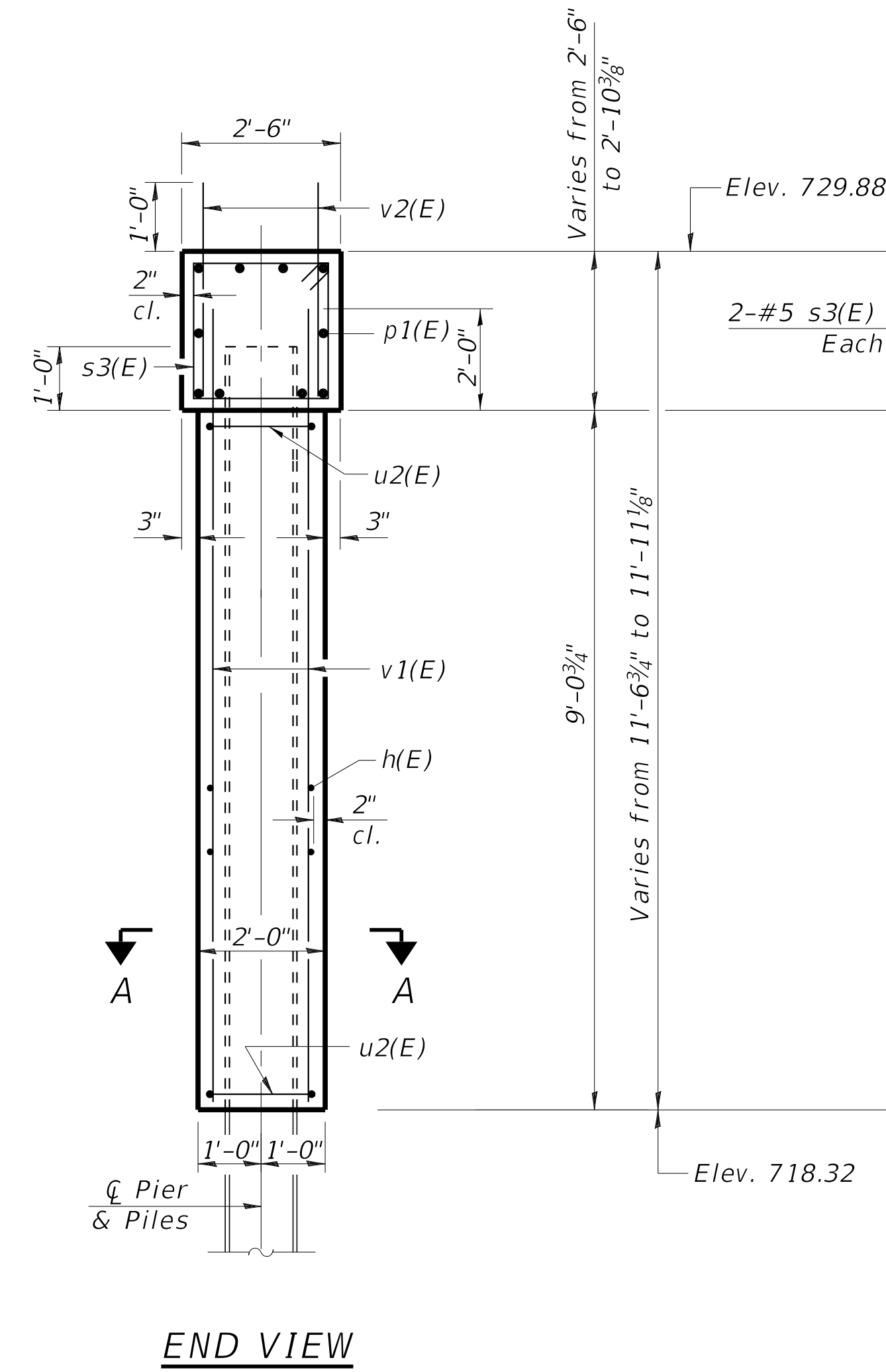
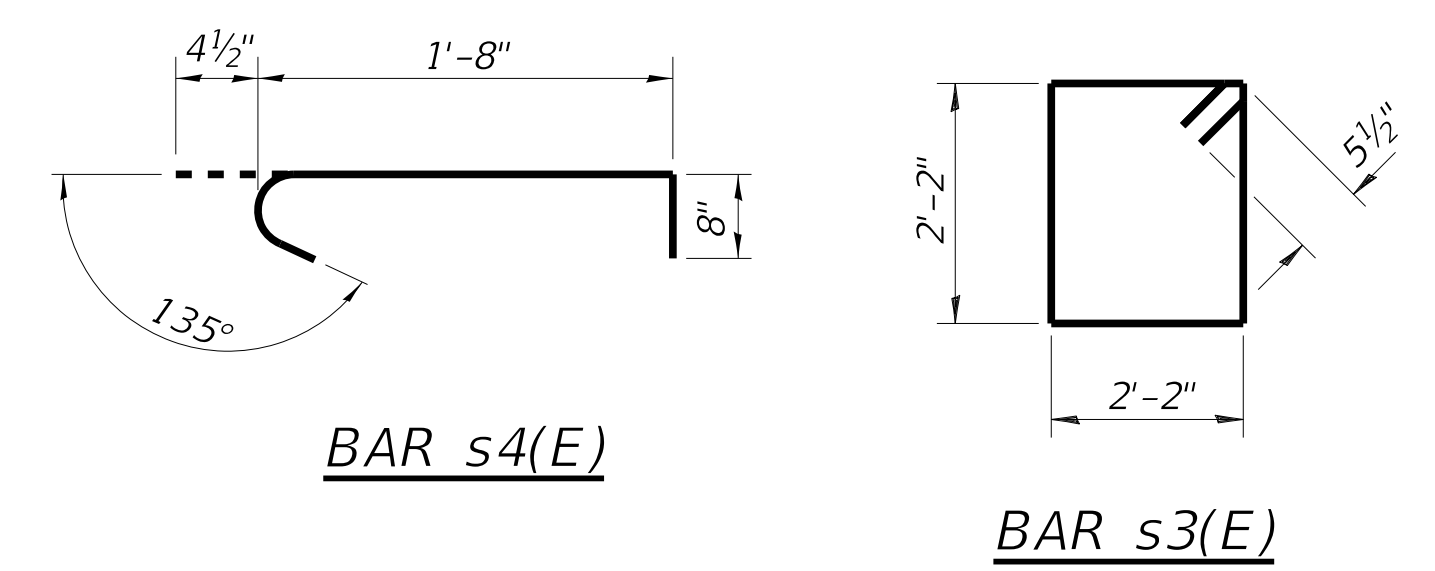
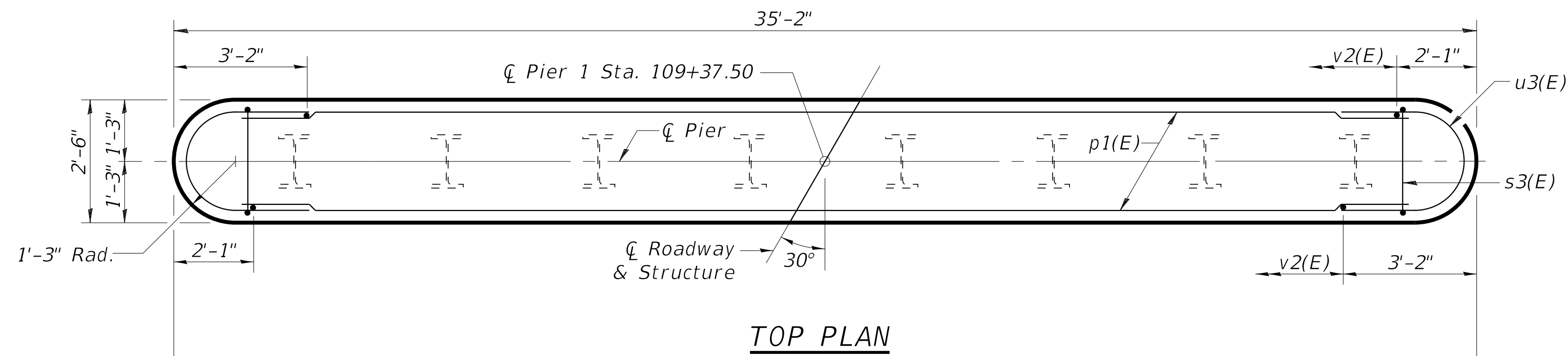
TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	30
CONTRACT NO. 87688				

ILLINOIS FED. AID PROJECT

Notes:
For details of piles, see sheet 18 of 20.

PILE DATA

Type: Steel HP 14x73
Nominal Required Bearing: 327 kips
Factored Resistance Available: 180 kips
Est. Length: 71'
No. Production Piles: 7
No. Test Piles: 1



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	20	#5	34'-4"	U
p1(E)	10	#7	32'-8"	—
s3(E)	32	#5	9'-7"	□
s4(E)	160	#4	2'-9"	┌
u2(E)	20	#5	11'-6"	U
u3(E)	6	#5	10'-5"	U
v1(E)	74	#5	10'-11"	—
v2(E)	62	#5	3'-4"	—
Cofferdam			Cu. Yd.	93.4
Excavation			Cu. Yd.	31.5
Concrete Structures			Pound	3370
Reinforcement Bars, Epoxy Coated			Foot	497
Furnishing Steel Piles HP14x73			Foot	497
Driving Piles			Each	8
Pile Shoes			Each	1
Test Pile Steel HP14x73			Each	1
Cofferdam (Type 2) (Location - 2)			Each	1

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DEPARTMENT OF TRANSPORTATION

PIER 1
STRUCTURE NO. 019-4016

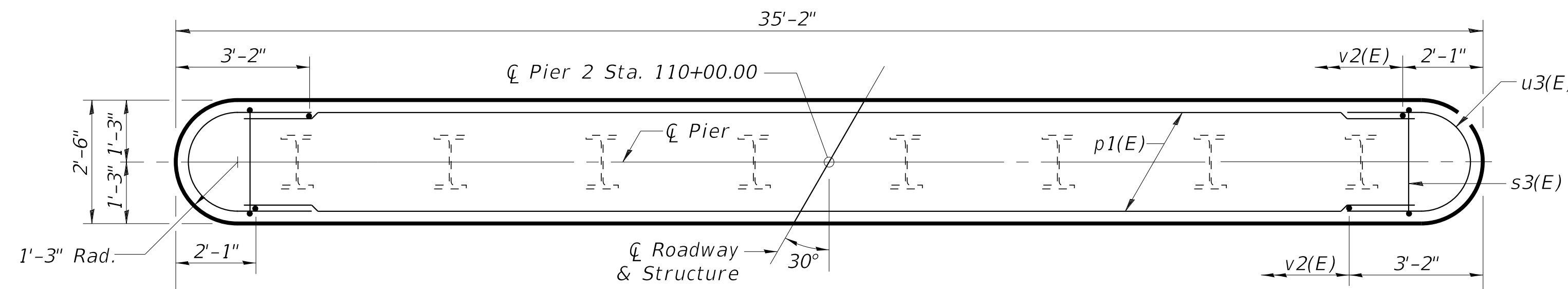
SHEET 15 OF 20 SHEETS

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 87688				
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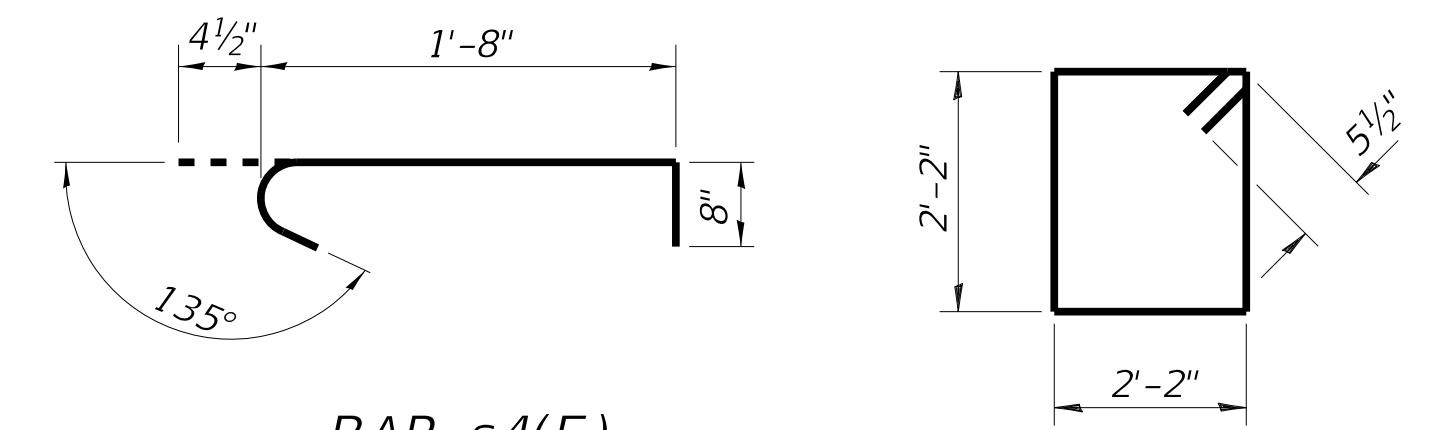
Notes:
For details of piles, see sheet 18 of 20.

PILE DATA

Type: Steel HP 14x73
Nominal Required Bearing: 327 kips
Factored Resistance Available: 180 kips
Est. Length: 72'
No. Production Piles: 7
No. Test Piles: 1

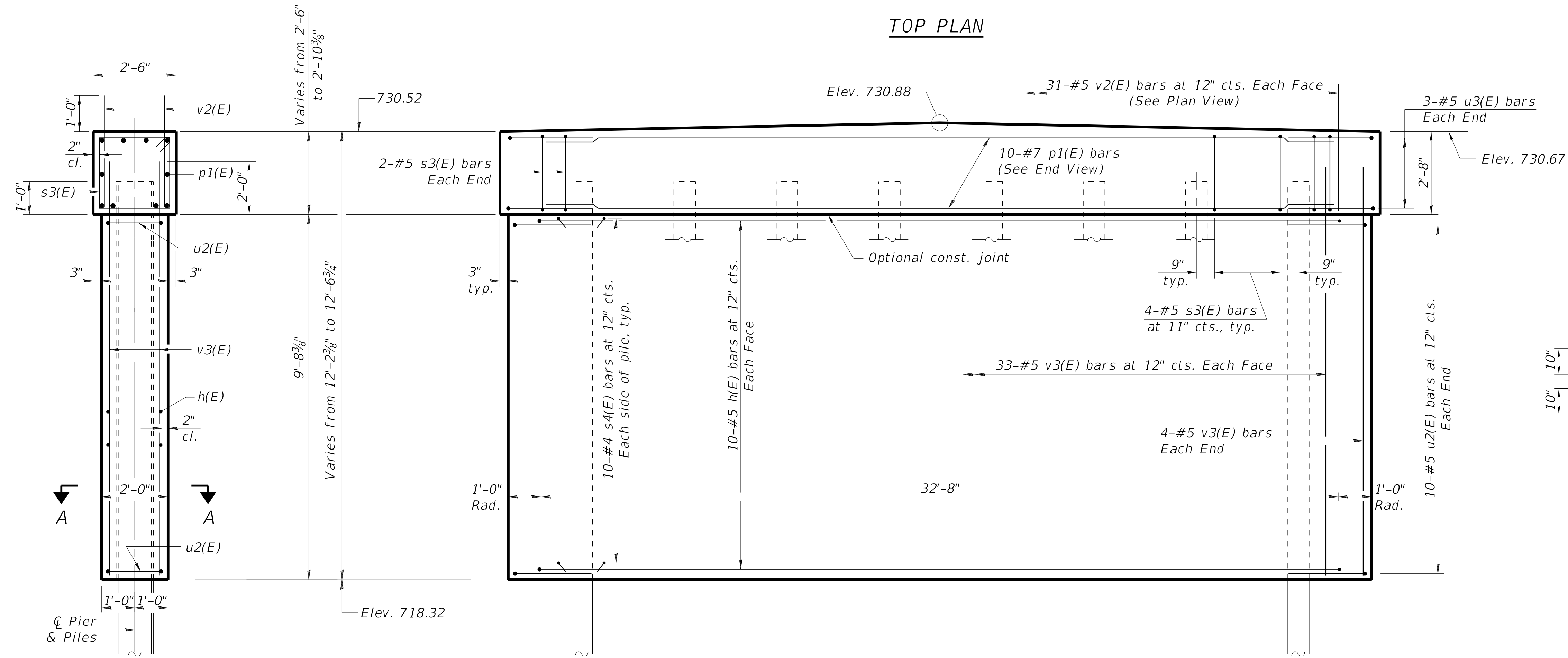


TOP PLAN

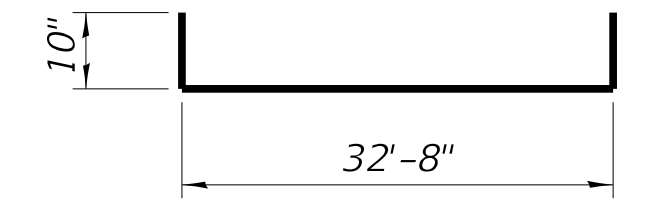


BAR s4(E)

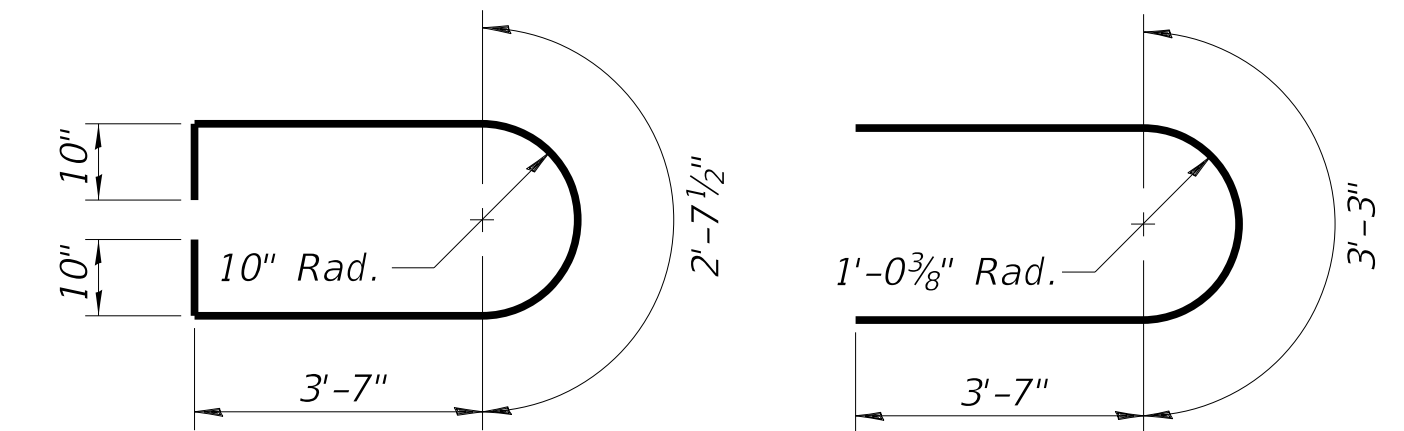
BAR s3(E)



ELEVATION
(Looking East)

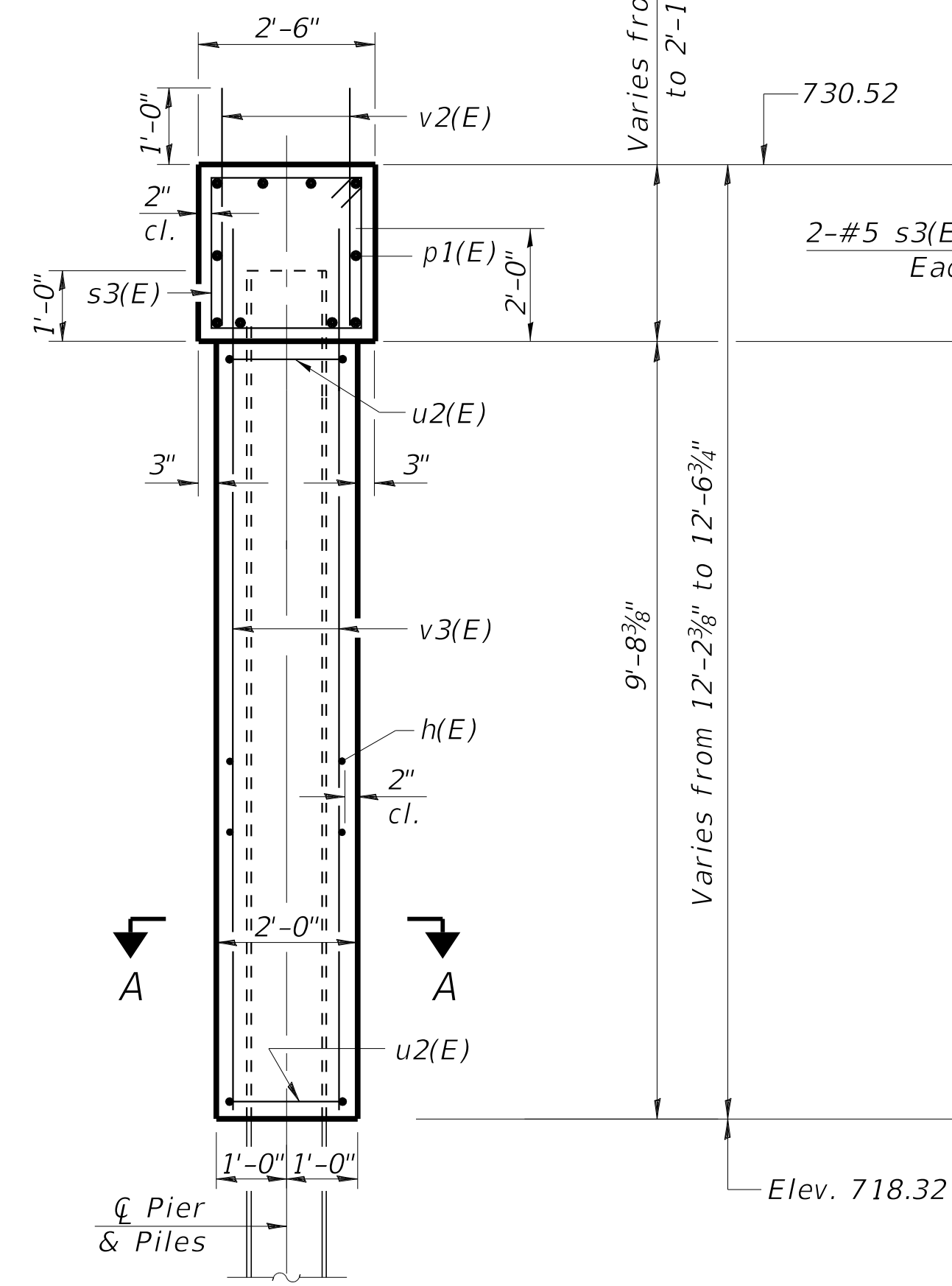


BAR h(E)

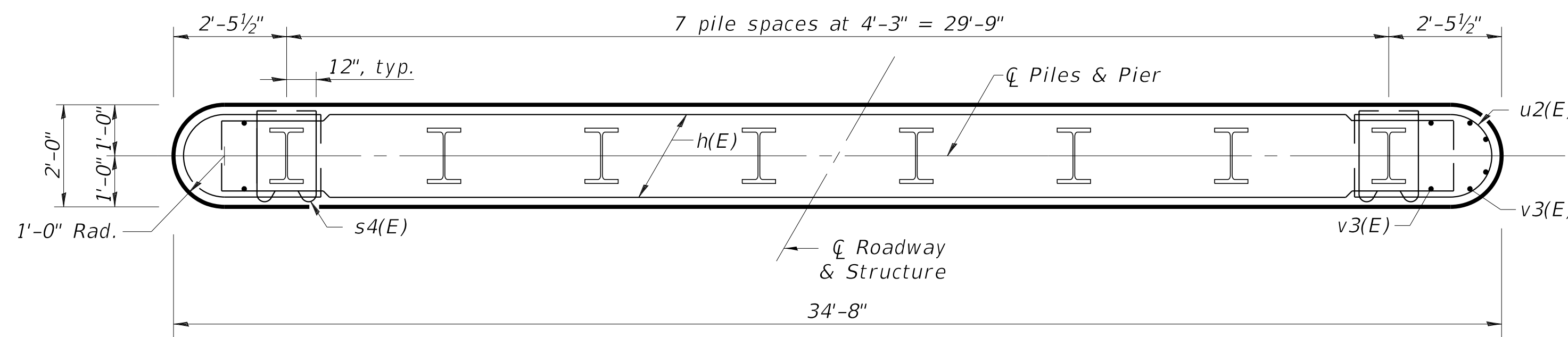


BAR u2(E)

BAR u3(E)



END VIEW



SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	20	#5	34'-4"	U
p1(E)	10	#7	32'-8"	—
s3(E)	32	#5	9'-7"	□
s4(E)	160	#4	2'-9"	U
u2(E)	20	#5	11'-6"	U
u3(E)	6	#5	10'-5"	U
v2(E)	62	#5	3'-4"	—
v3(E)	74	#5	11'-7"	—
Cofferdam			Cu. Yd.	79.0
Excavation			Cu. Yd.	33.1
Concrete Structures			Pound	3420
Reinforcement Bars, Epoxy Coated			Foot	504
Furnishing Steel Piles HP14x73			Foot	504
Driving Piles			Each	8
Pile Shoes			Each	1
Test Pile Steel HP14x73			Each	1
Cofferdam (Type 2) (Location - 3)			Each	1

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DEPARTMENT OF TRANSPORTATION

PIER 2
STRUCTURE NO. 019-4016

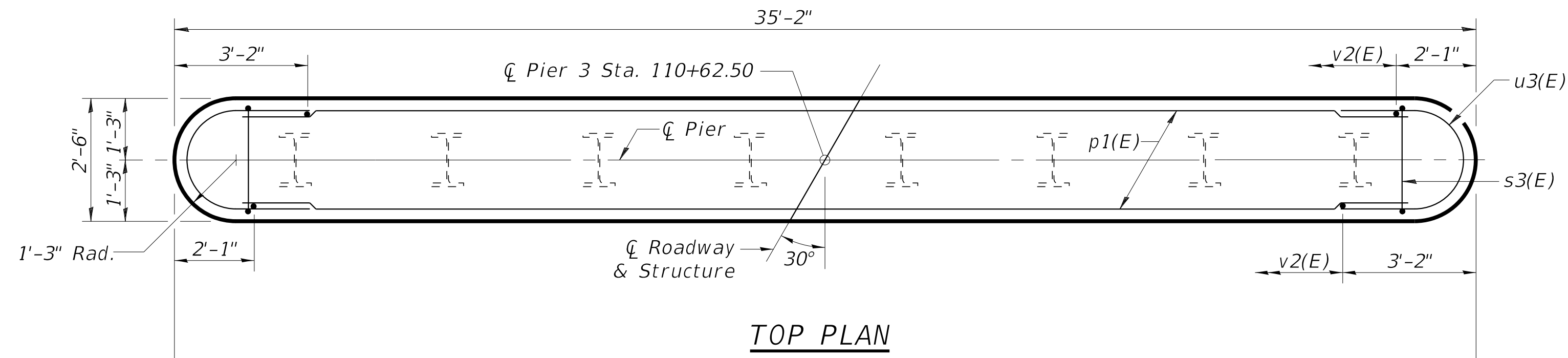
SHEET 16 OF 20 SHEETS

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 87688
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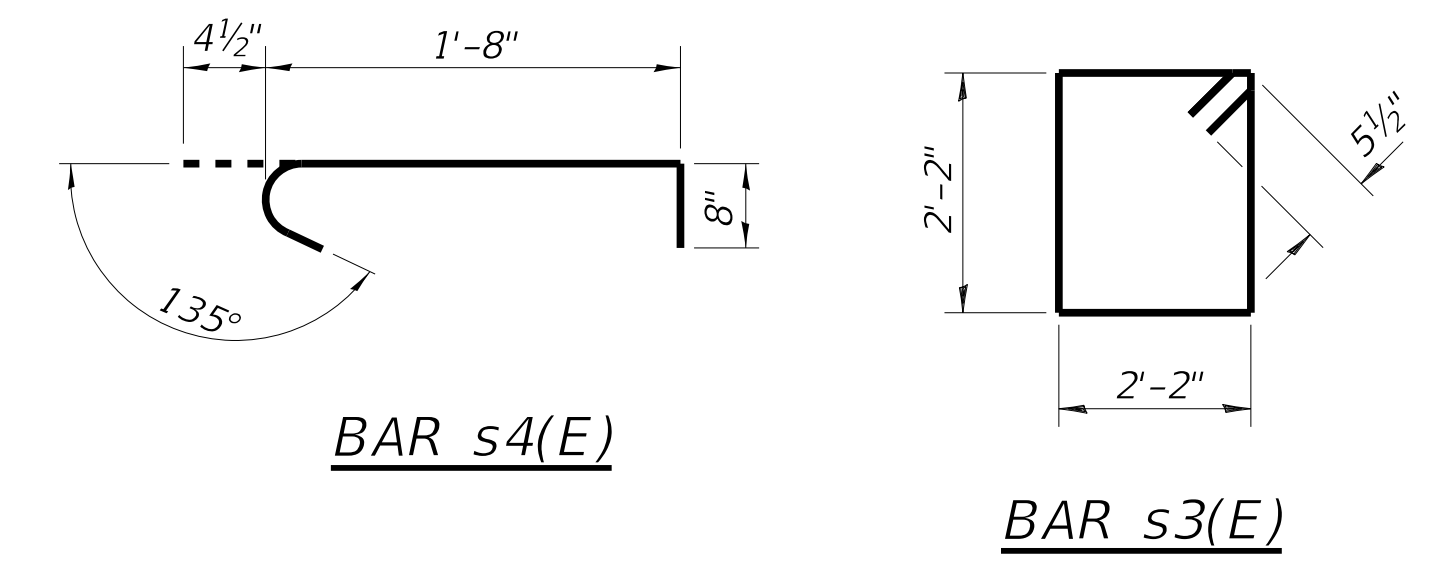
Notes:
For details of piles, see sheet 18 of 20.

PILE DATA

Type: Steel HP 14x73
Nominal Required Bearing: 327 kips
Factored Resistance Available: 180 kips
Est. Length: 72'
No. Production Piles: 7
No. Test Piles: 1

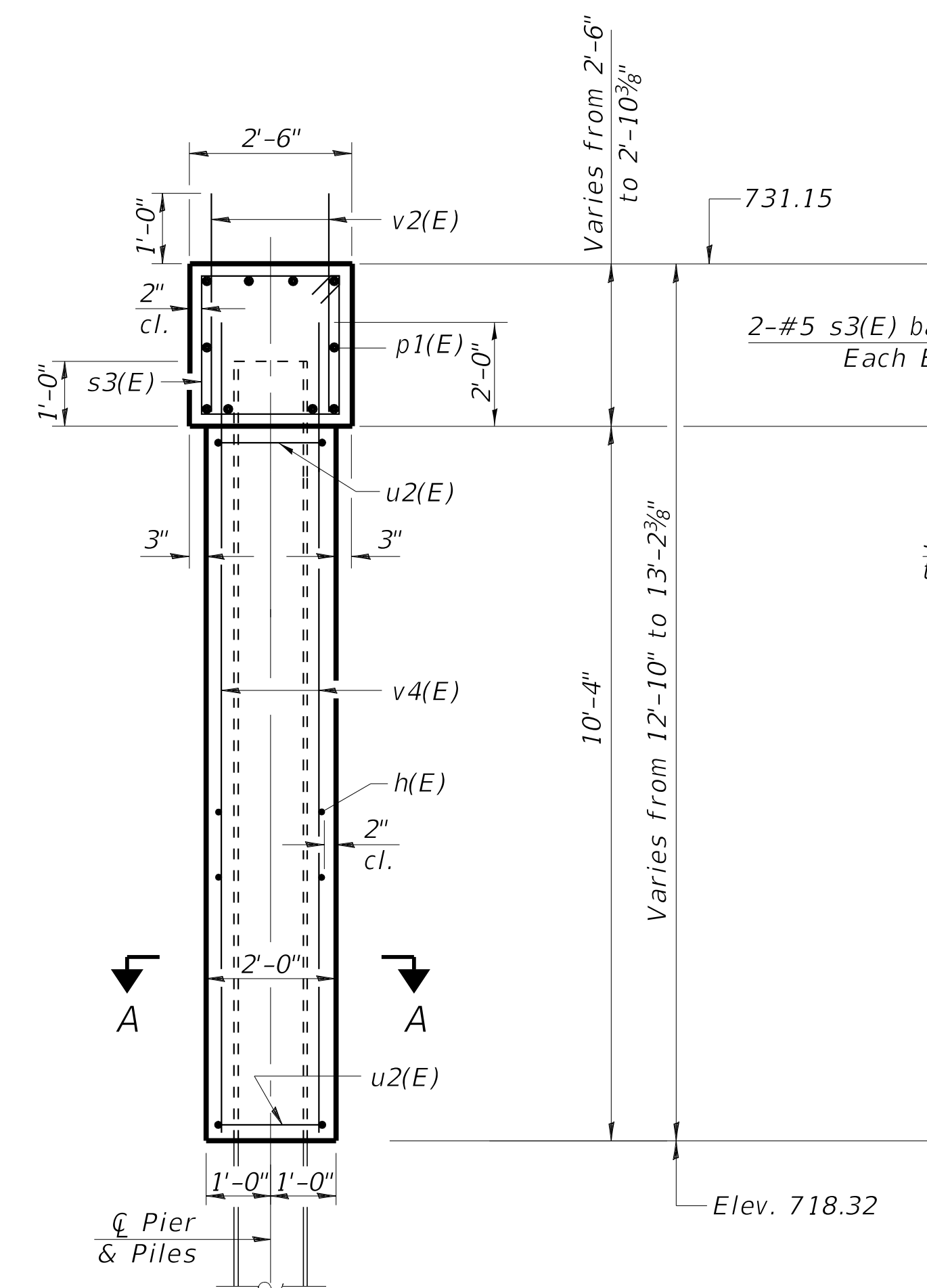


TOP PLAN

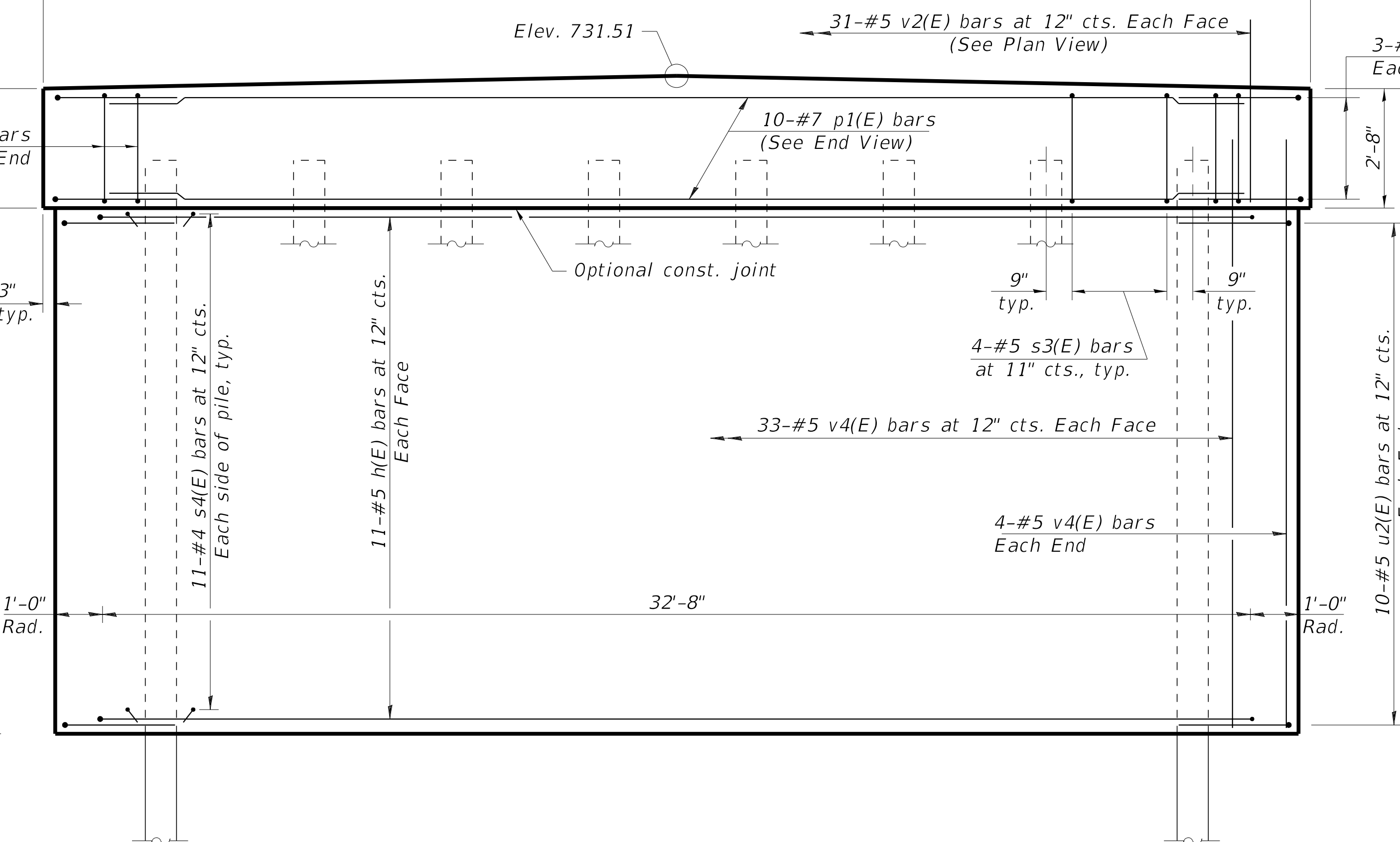


BAR s4(E)

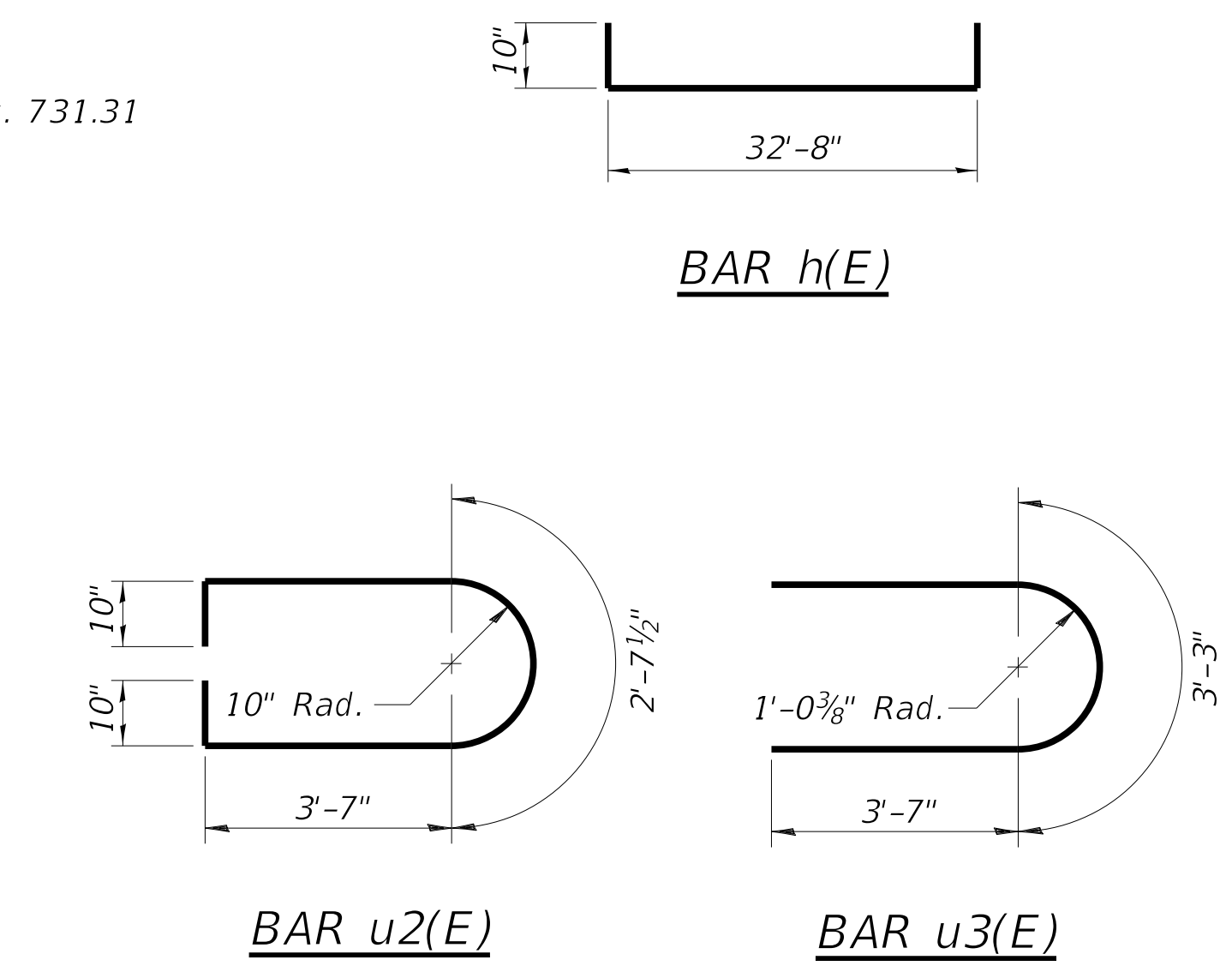
BAR s3(E)



END VIEW



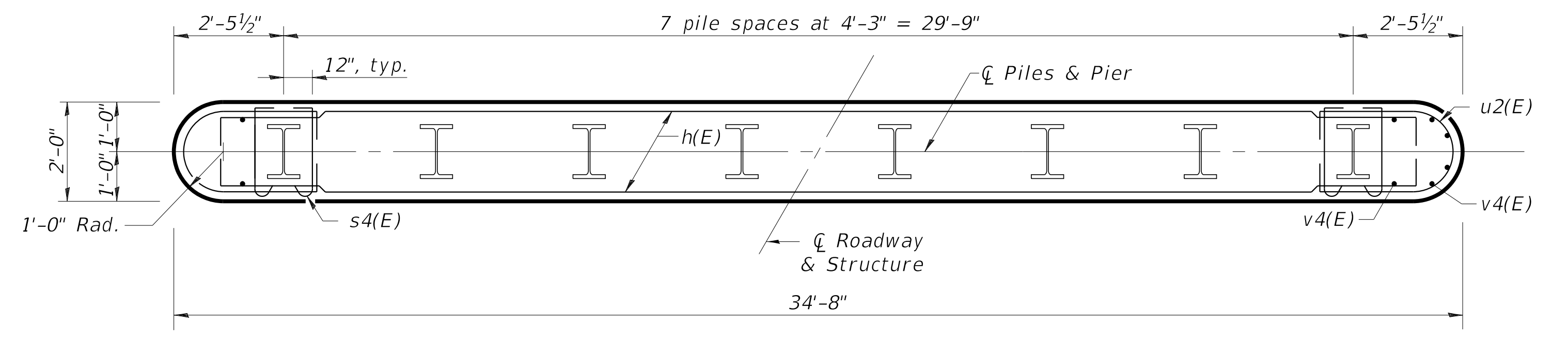
ELEVATION
(Looking East)



BAR h(E)

BAR u2(E)

BAR u3(E)



SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	22	#5	34'-4"	┌
p1(E)	10	#7	32'-8"	—
s3(E)	32	#5	9'-7"	┐
s4(E)	176	#4	2'-9"	┌
u2(E)	20	#5	11'-6"	U
u3(E)	6	#5	10'-5"	U
v2(E)	62	#5	3'-4"	—
v4(E)	74	#5	11'-8"	—
Cofferdam			Cu. Yd.	64.9
Excavation			Cu. Yd.	34.7
Concrete Structures			Pound	3520
Reinforcement Bars, Epoxy Coated			Foot	504
Furnishing Steel Piles HP14x73			Foot	504
Driving Piles			Each	8
Pile Shoes			Each	1
Test Pile Steel HP14x73			Each	1
Cofferdam (Type 2) (Location - 4)			Each	1

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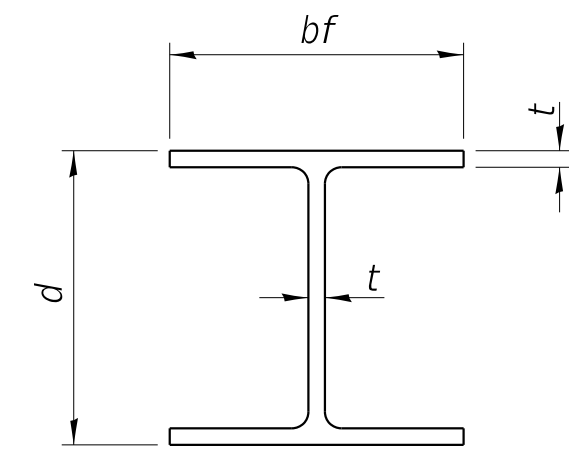
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PIER 3
STRUCTURE NO. 019-4016

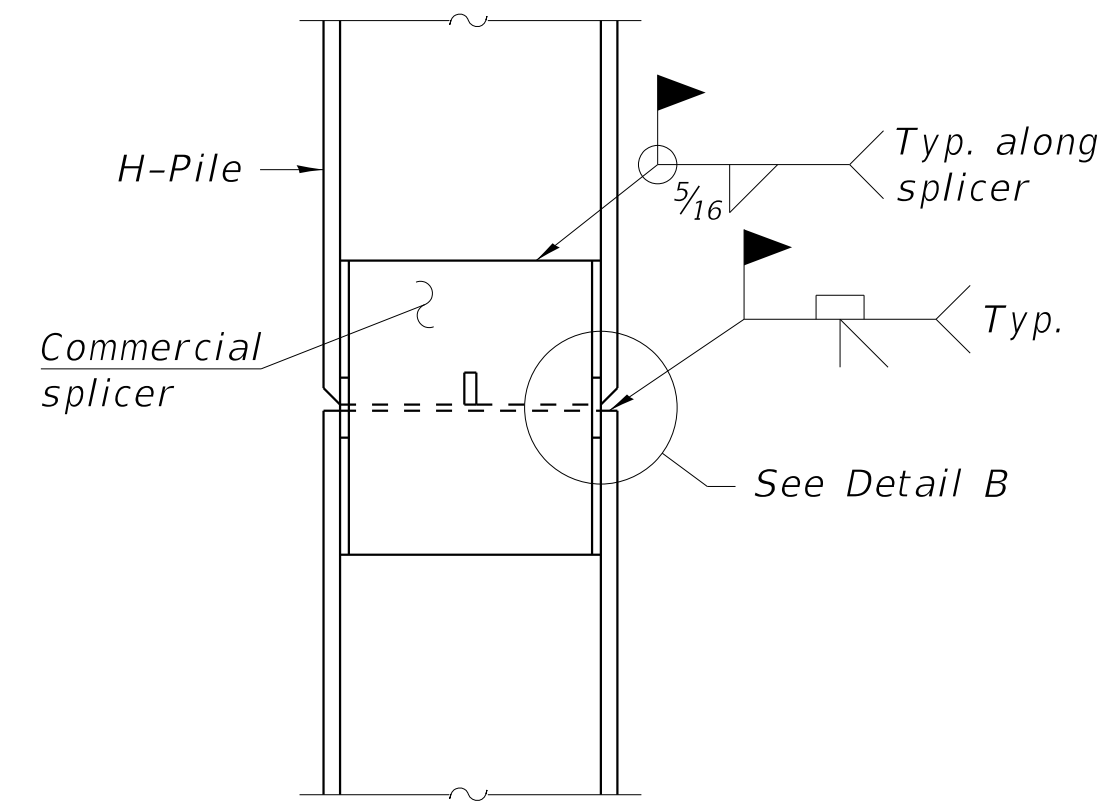
SHEET 17 OF 20 SHEETS

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 87688				
ILLINOIS FED. AID PROJECT				

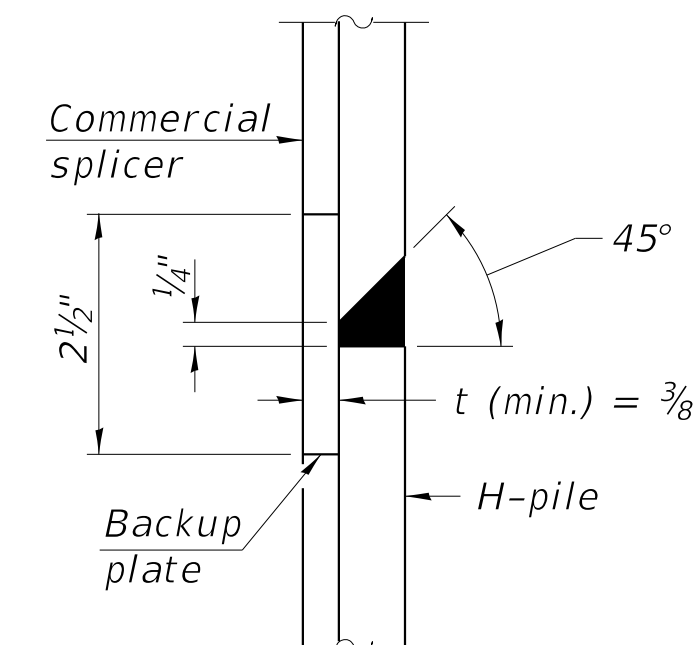


STEEL PILE TABLE

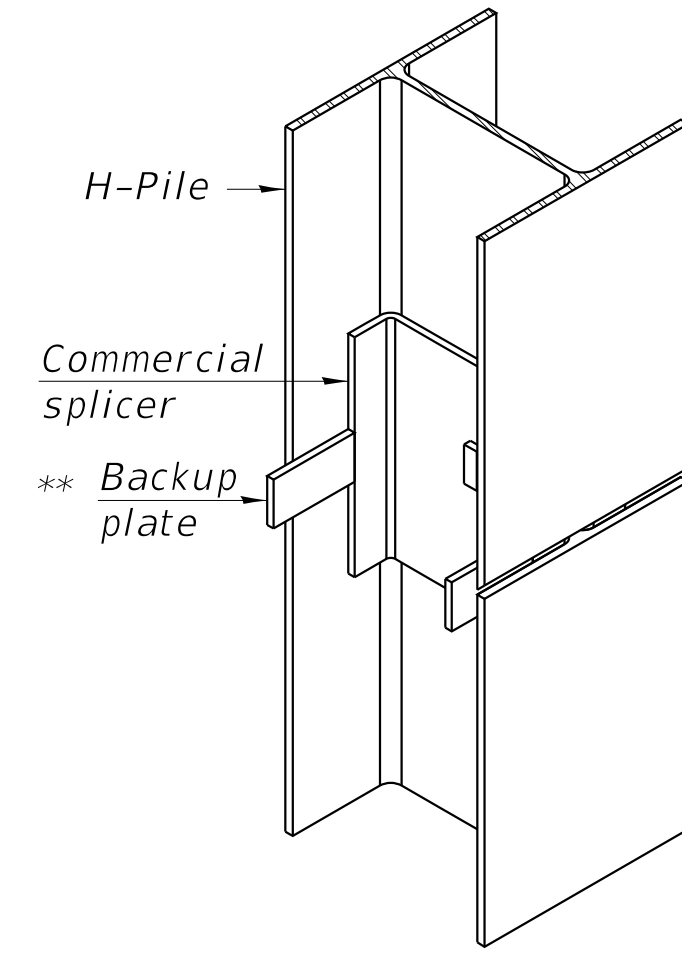
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"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

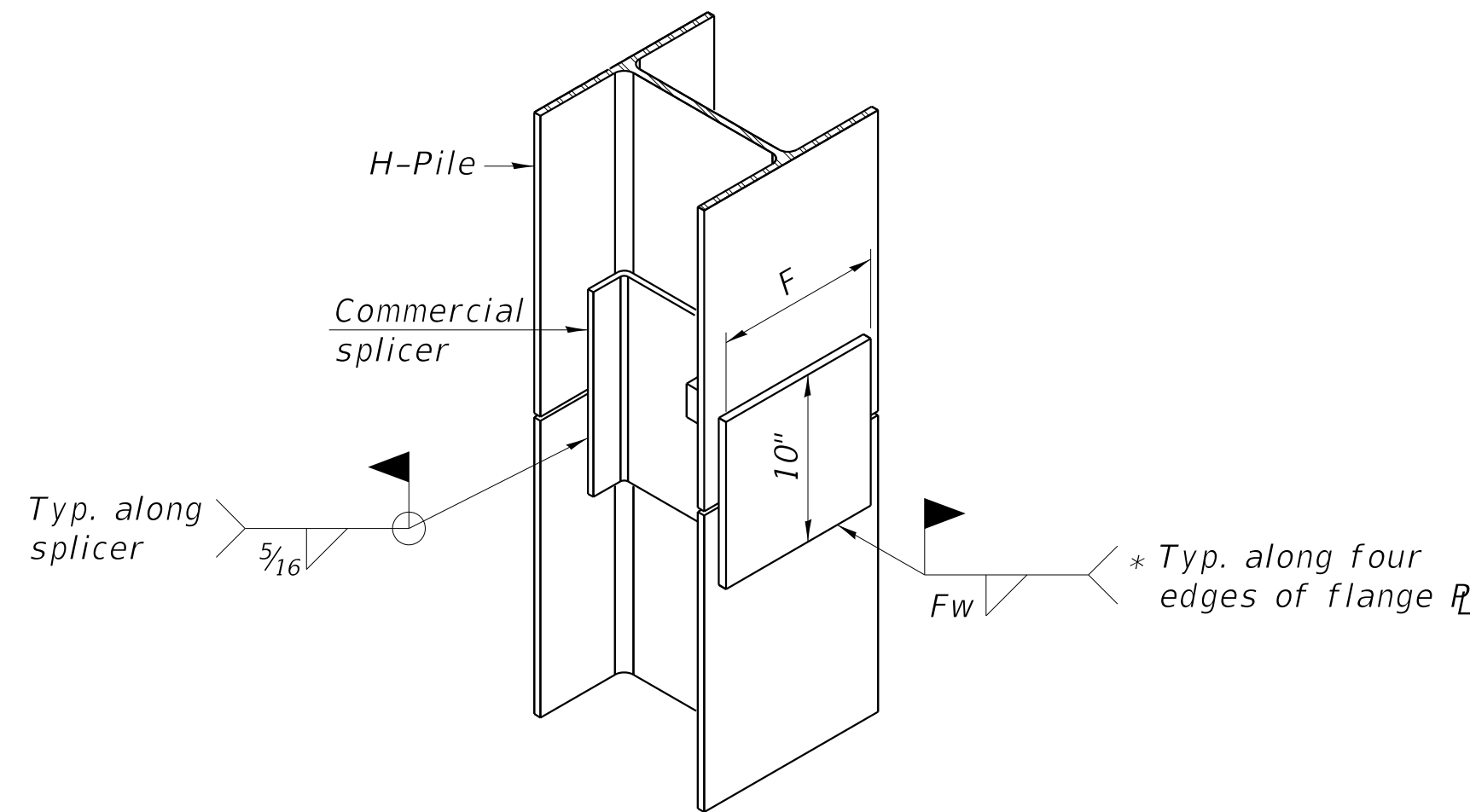


DETAIL "B"



ISOMETRIC VIEW

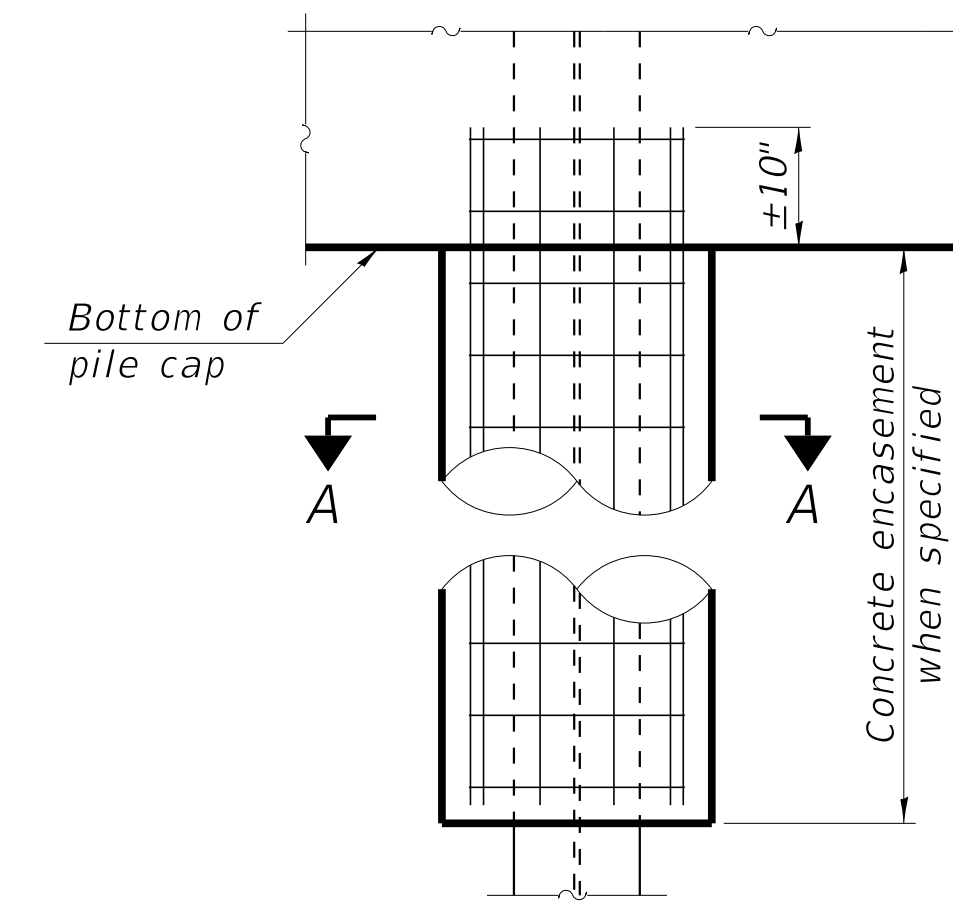
WELDED COMMERCIAL SPLICE



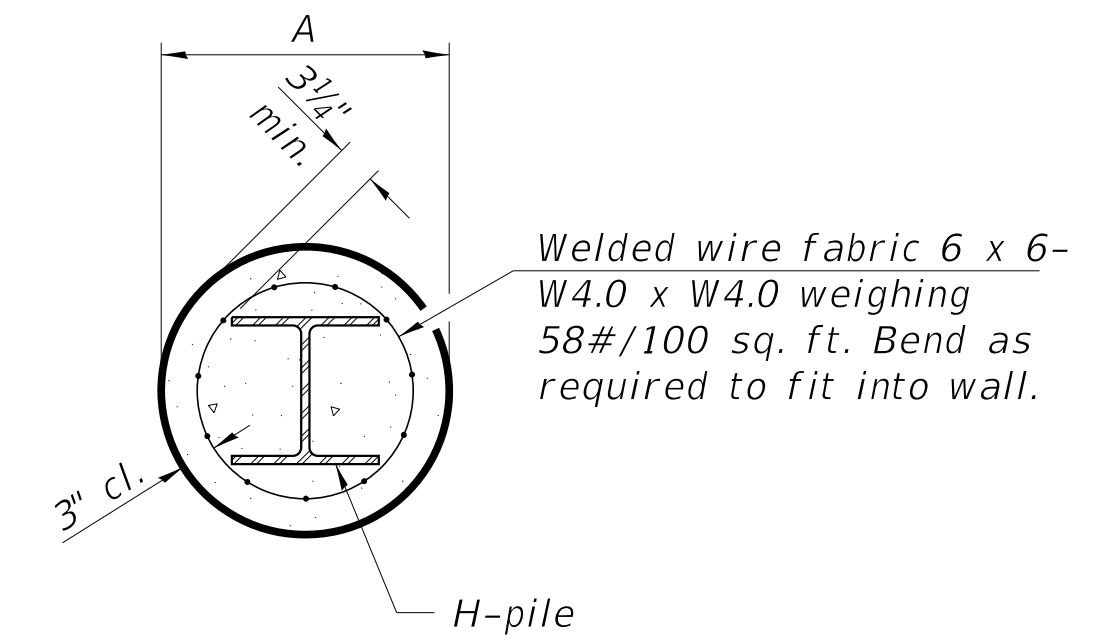
ISOMETRIC VIEW

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.).

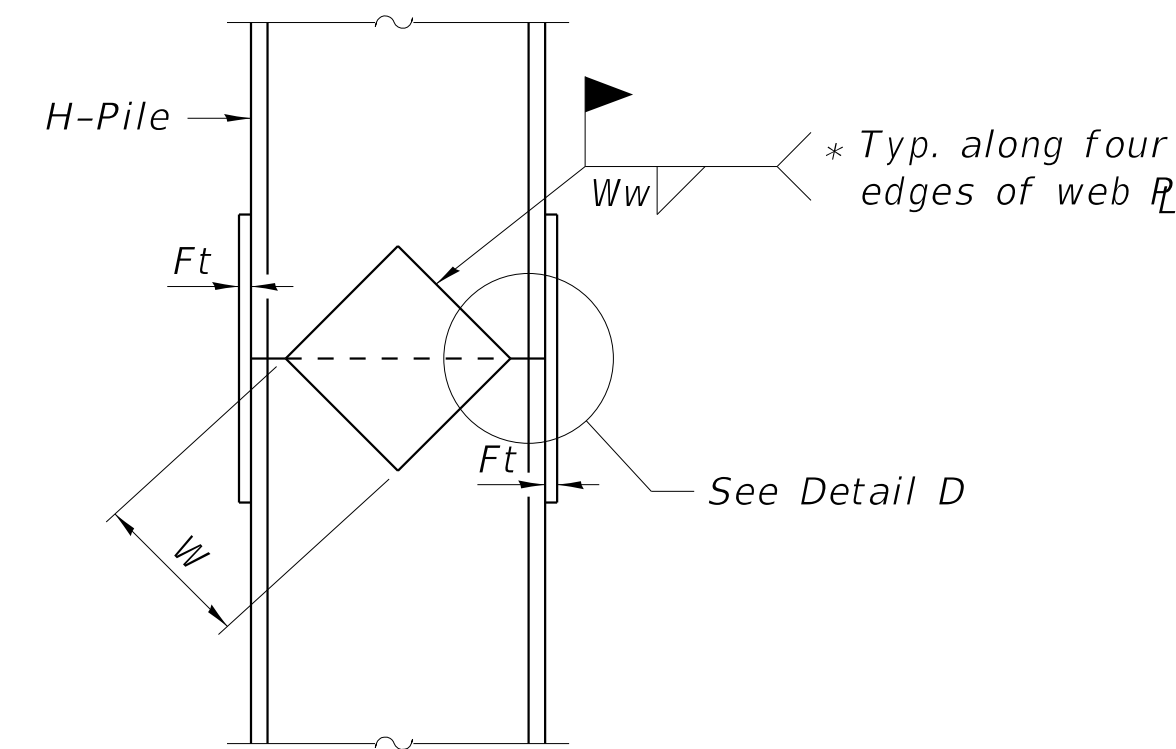


ELEVATION

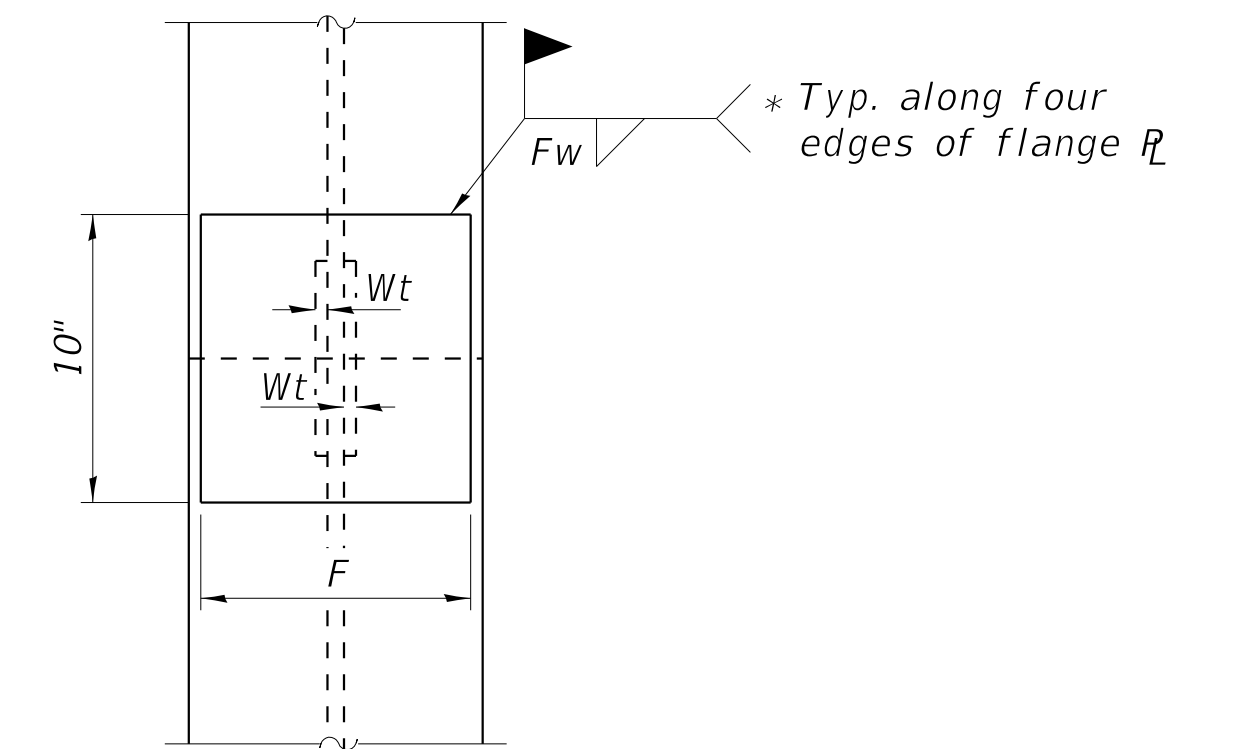


SECTION A-A

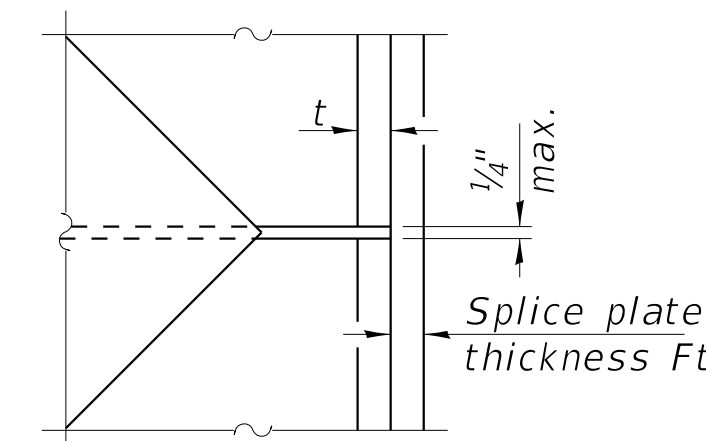
INDIVIDUAL PILE CONCRETE ENCASUREMENT
(Forms for encasement may be omitted when soil conditions permit).



ELEVATION



END VIEW

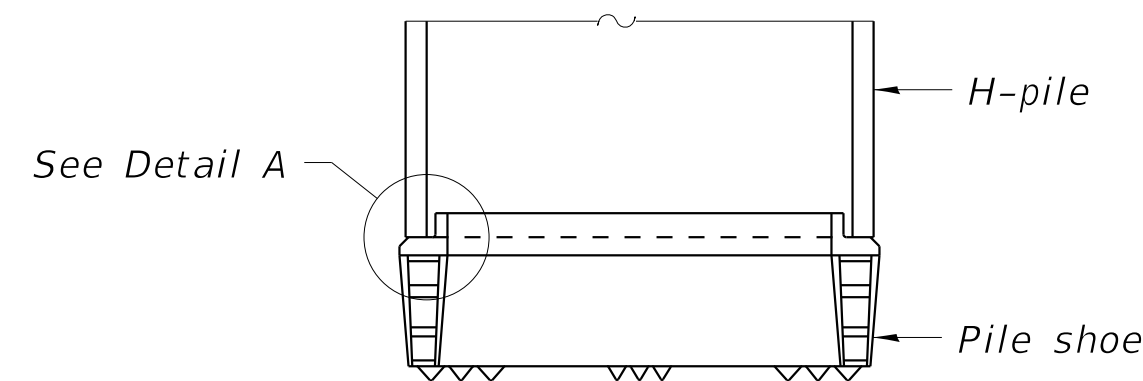


DETAIL D

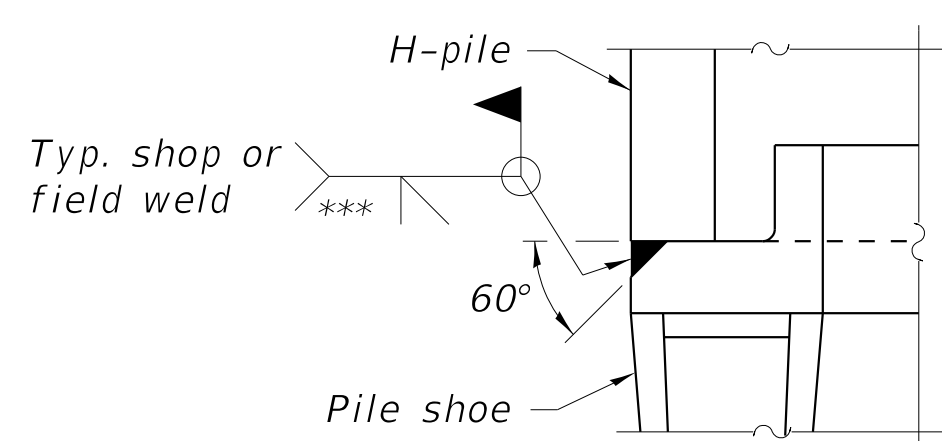
WELDED PLATE FIELD SPLICE

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



SHOE ATTACHMENT



DETAIL A

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

F-HP 8-11-2017



USER NAME = 488ccc	DESIGNED - BLB	REvised -
PLOT SCALE = @1.0000" = 1'-0"	CHECKED - BLB	REvised -
PLOT DATE = 10/23/2019	DRAWN - BLB	REvised -
	DATE - 8-20-19	FILE - details.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 019-4016

SHEET 18 OF 20 SHEETS

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	34
CONTRACT NO. 87688				

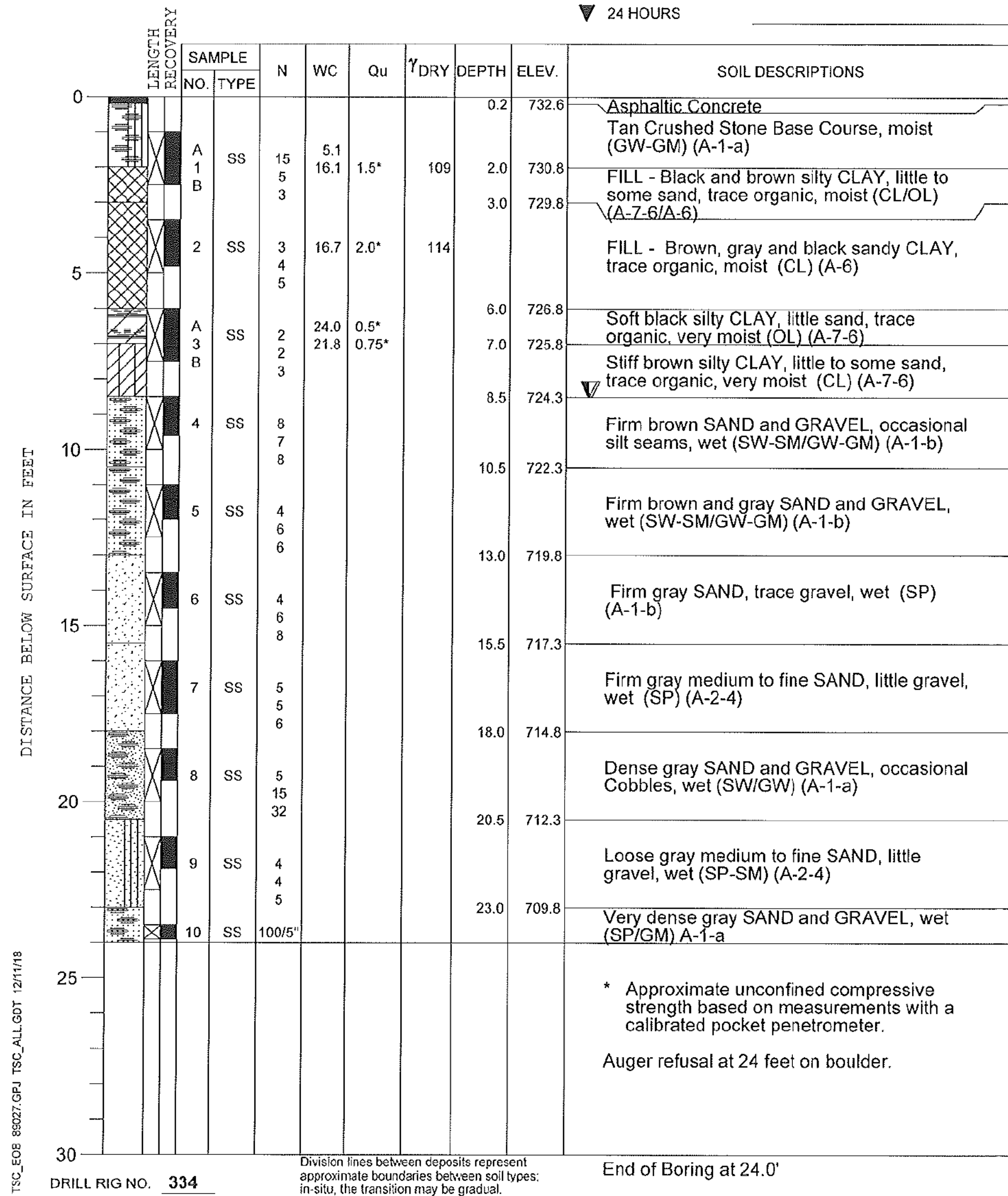
ILLINOIS FED. AID PROJECT

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 STATE OF ILLINOIS, PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
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PROJECT **Proposed Bridge Replacement, McNeal Road over Kishwaukee River, Kirkland, IL.**
 CLIENT **Baxter & Woodman, Inc., Crystal Lake, Illinois**
 BORING **1** DATE STARTED **10-24-18** DATE COMPLETED **10-24-18** JOB **L-89,027**



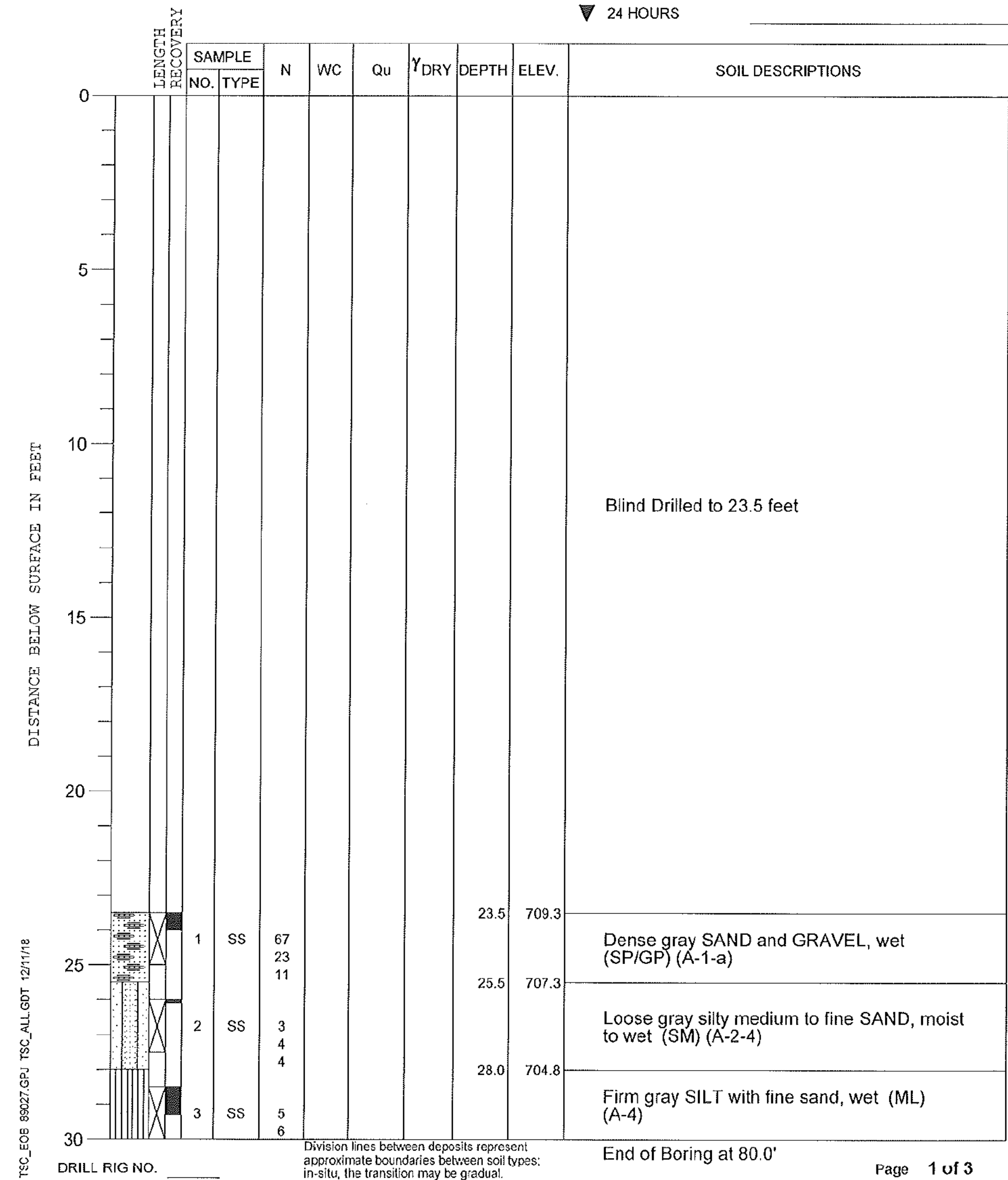
ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE **732.8** WHILE DRILLING **8.5'**
 END OF BORING **708.8** AT END OF BORING **8.5'**
 24 HOURS



PROJECT **Proposed Bridge Replacement, McNeal Road over Kishwaukee River, Kirkland, IL.**
 CLIENT **Baxter & Woodman, Inc., Crystal Lake, Illinois**
 BORING **1A** DATE STARTED **10-24-18** DATE COMPLETED **10-24-18** JOB **L-89,027**



ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE **732.8** WHILE DRILLING
 END OF BORING **652.8** AT END OF BORING
 24 HOURS



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 LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
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	DATE - 8-20-19	FILE - borings.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

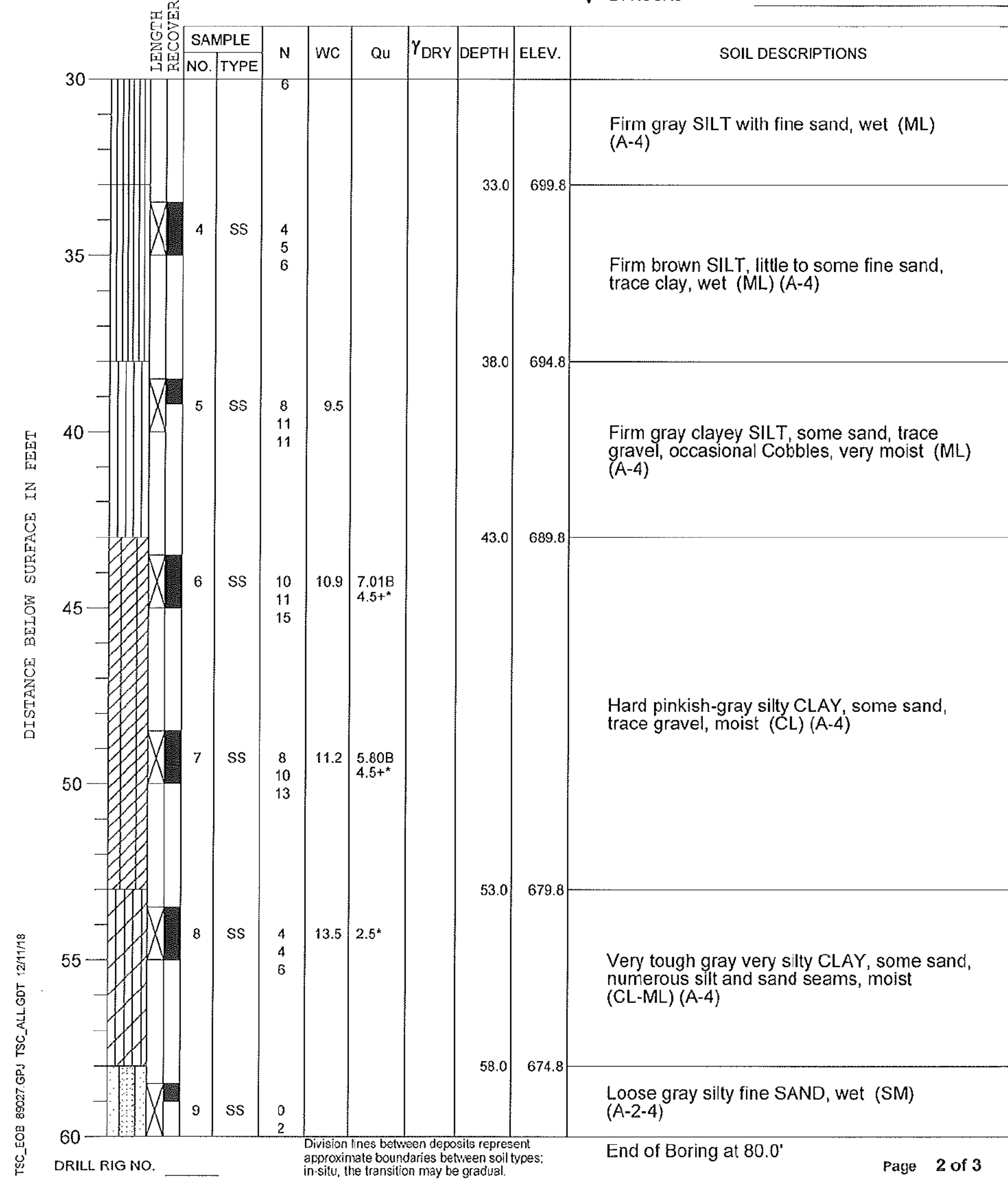
BORING LOGS
 STRUCTURE NO. 019-4016

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	35
CONTRACT NO. 87688				

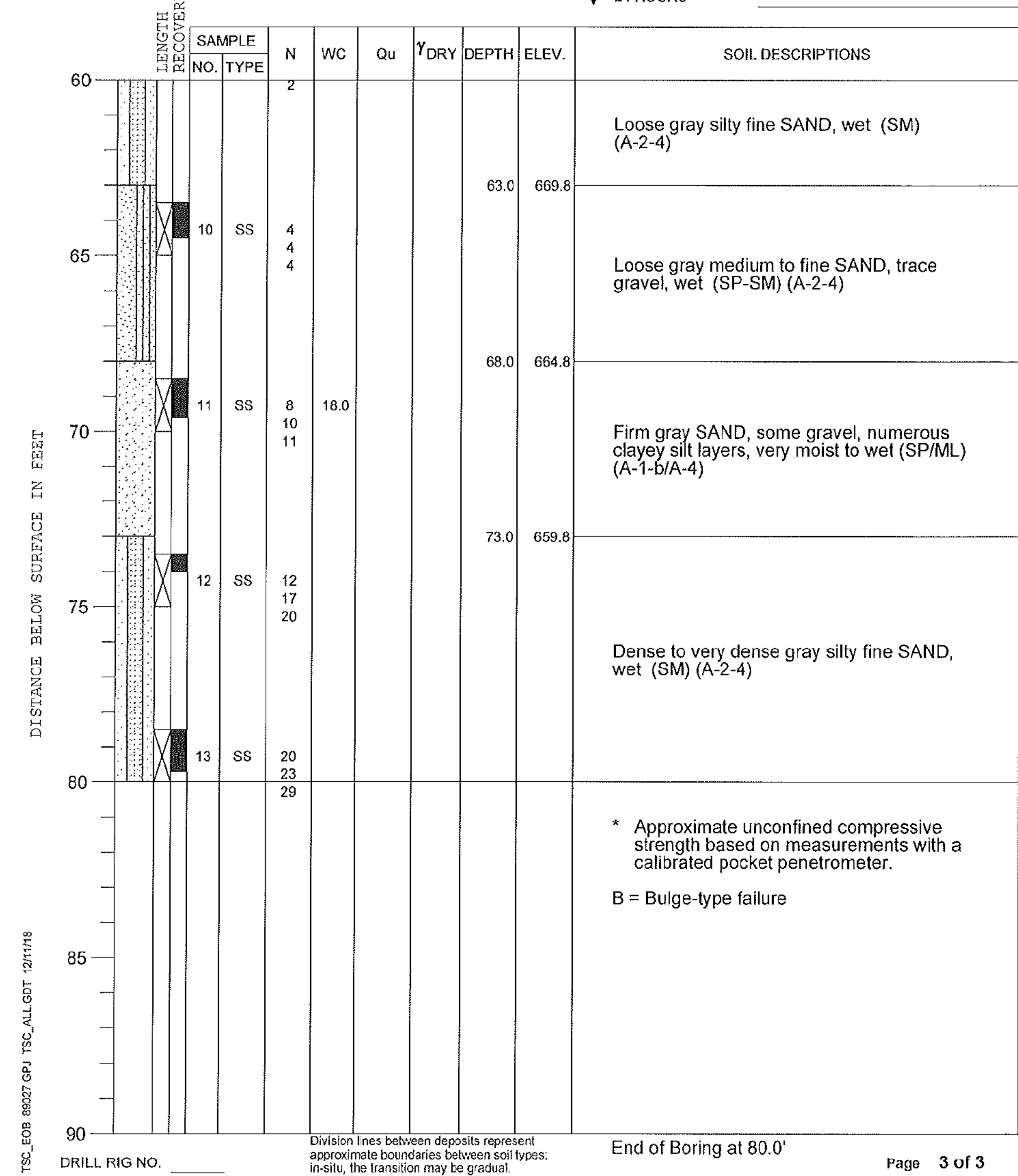
SHEET 19 OF 20 SHEETS

ILLINOIS FED. AID PROJECT

PROJECT **Proposed Bridge Replacement, McNeal Road over Kishwaukee River, Kirkland, IL.**
 CLIENT **Baxter & Woodman, Inc., Crystal Lake, Illinois**
 BORING **1A** DATE STARTED **10-24-18** DATE COMPLETED **10-24-18** JOB **L-89,027**
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE **732.8** ▽ WHILE DRILLING _____
 END OF BORING **652.8** ▽ AT END OF BORING _____
 ▽ 24 HOURS _____



PROJECT **Proposed Bridge Replacement, McNeal Road over Kishwaukee River, Kirkland, IL.**
 CLIENT **Baxter & Woodman, Inc., Crystal Lake, Illinois**
 BORING **1A** DATE STARTED **10-24-18** DATE COMPLETED **10-24-18** JOB **L-89,027**
 ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE **732.8** ▽ WHILE DRILLING _____
 END OF BORING **652.8** ▽ AT END OF BORING _____
 ▽ 24 HOURS _____



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PLOT DATE = 10/23/2019	DRAWN - BLB	REVISED -
	DATE - 8-20-19	FILE - borings.dgn

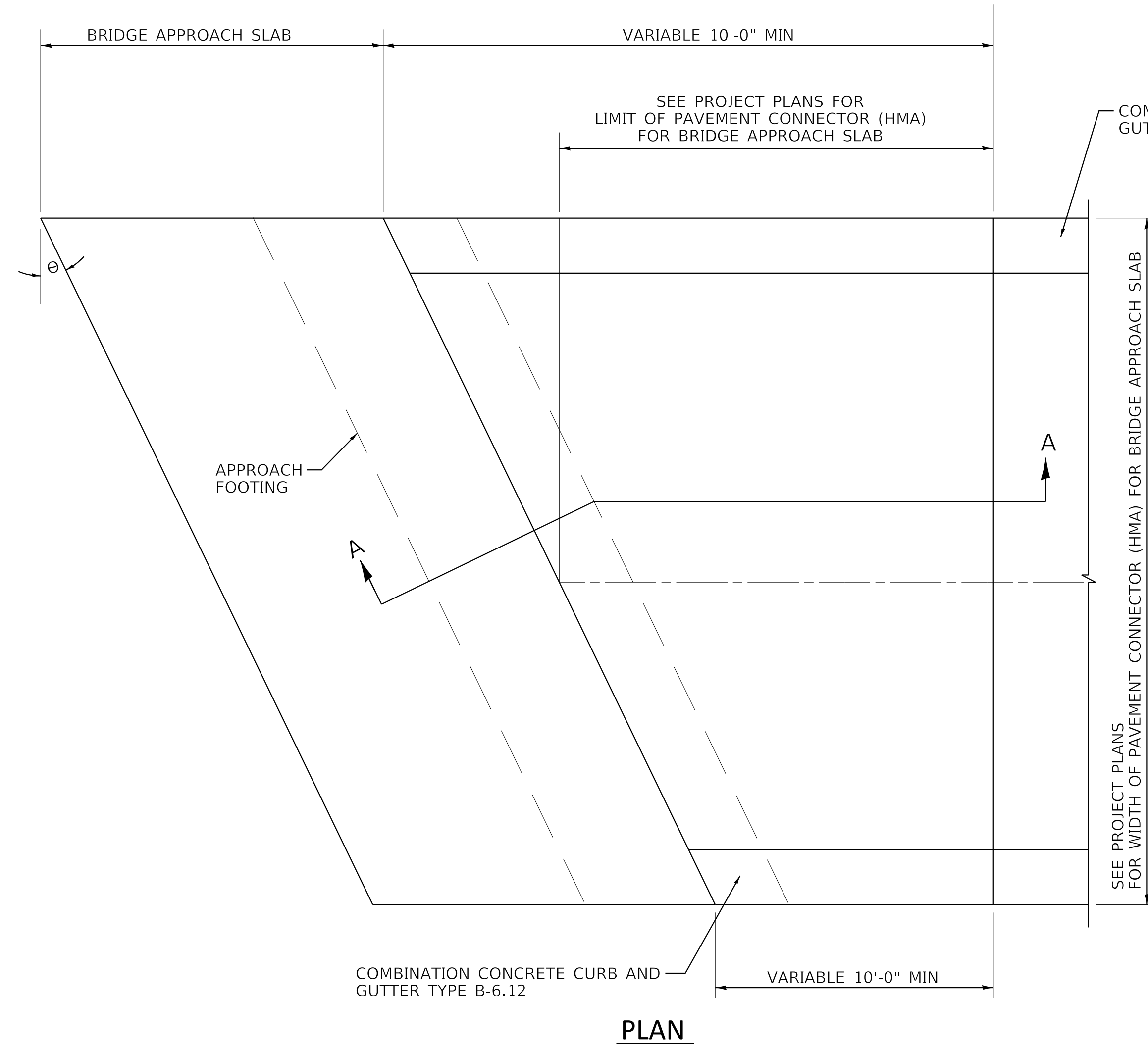
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS
STRUCTURE NO. 019-4016**

SHEET 19A OF 20 SHEETS

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	36
CONTRACT NO. 87688				
ILLINOIS FED. AID PROJECT				

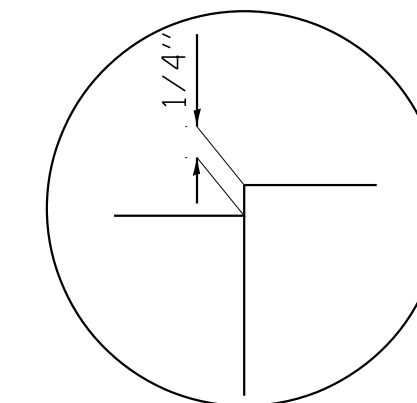
COPYRIGHT © 2019, BY BAXTER & WOODMAN, INC.
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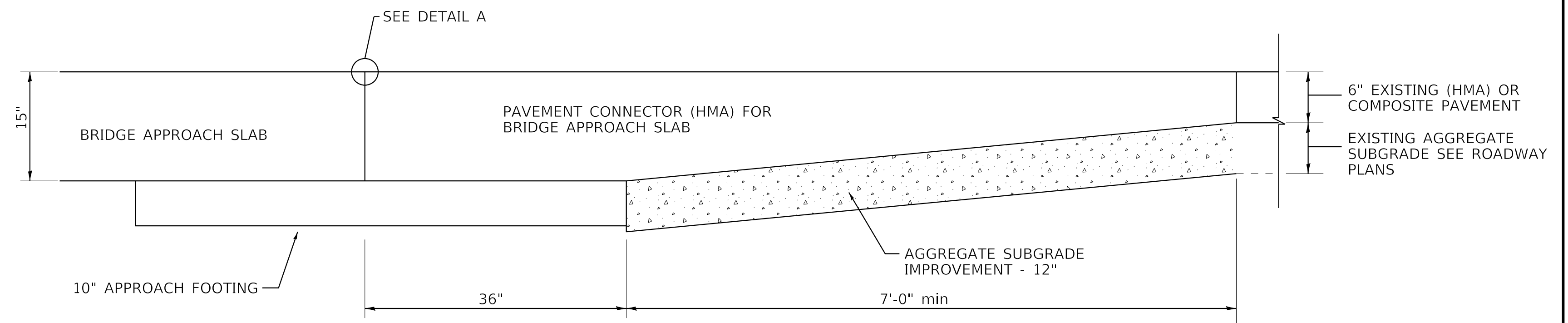
PLAN

COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12

SEE PROJECT PLANS FOR WIDTH OF PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB



DETAIL A



SECTION A-A

GENERAL NOTES

SEE PLANS FOR DETAILS OF BRIDGE APPROACH SLAB AND APPROACH FOOTING.

**PAVEMENT CONNECTOR (HMA)
FOR BRIDGE APPROACH SLAB**

NOT TO SCALE



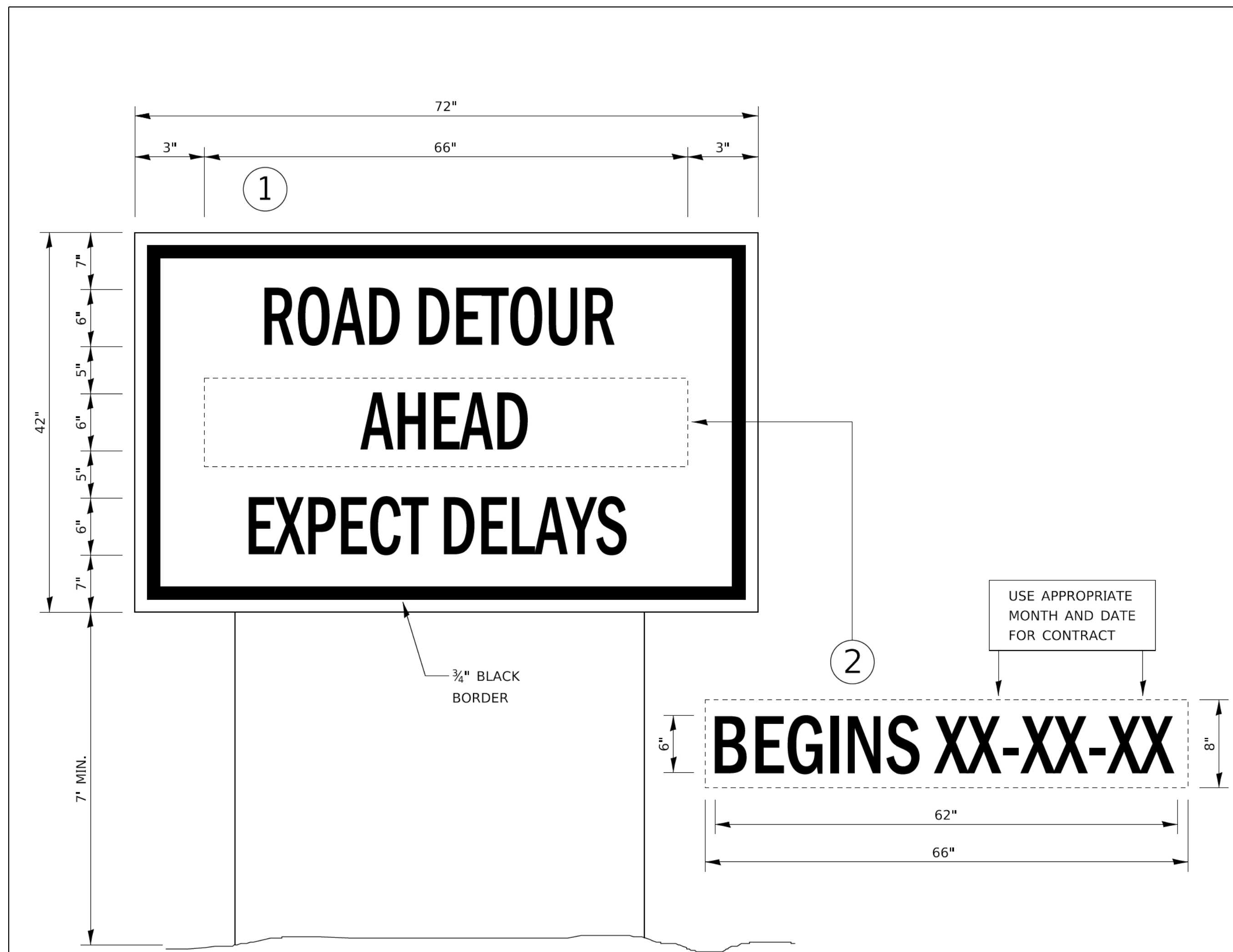
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	DATE - 8-20-19	FILE - 150754SHT_MiscDetails.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISCELLANEOUS DETAILS

SCALE: NONE SHEET OF SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	38
CONTRACT NO. 87688				
ILLINOIS FED. AID PROJECT P4AD(126)				

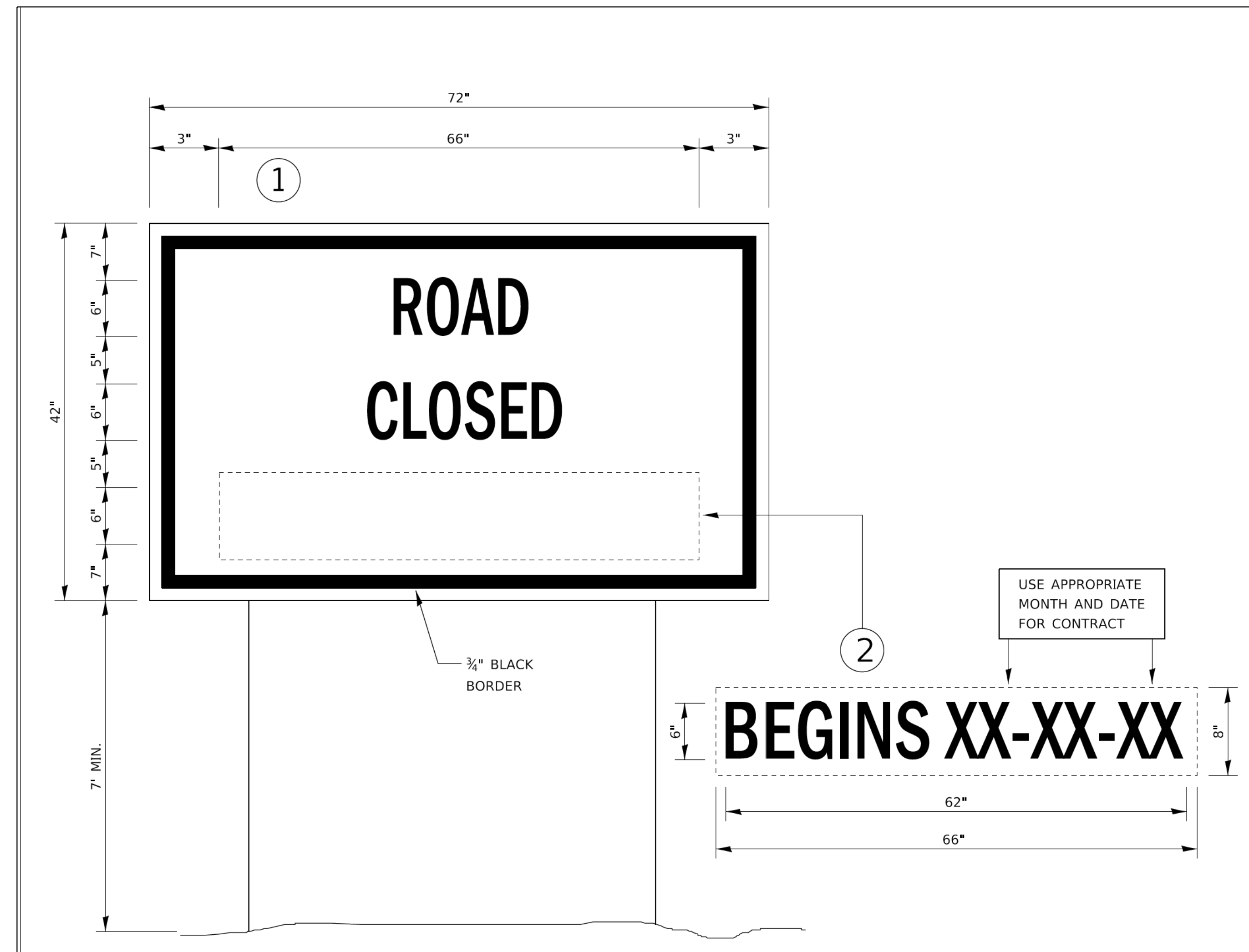


TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE DETOUR.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

720-9



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE ROAD CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

720-10

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 LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

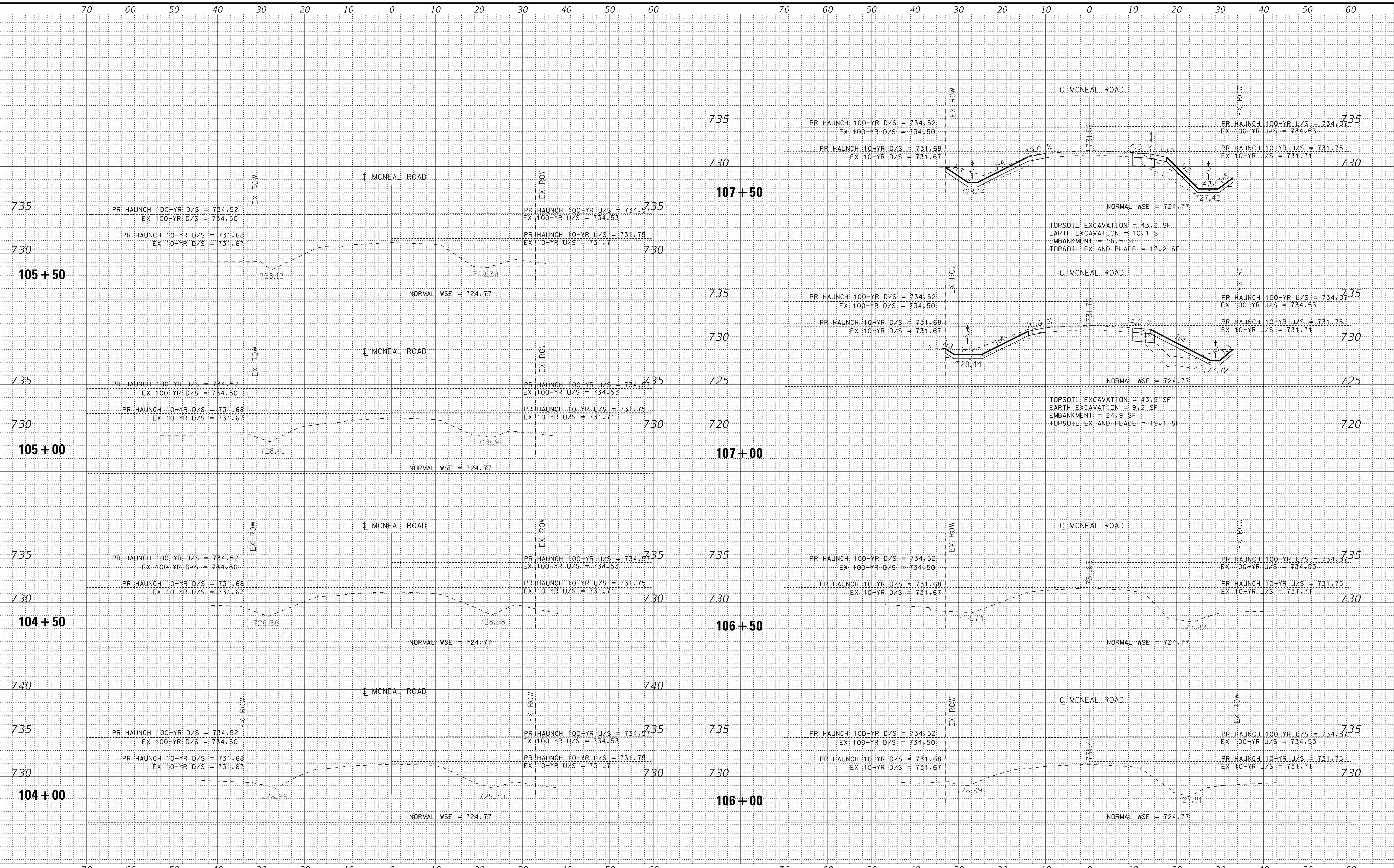
DISTRICT THREE TEMPORARY INFORMATION SIGNING			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	39
				CONTRACT NO. 87688
ILLINOIS FED. AID PROJECT P4AD(126)				

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

MODEL: Default
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BAXTER & WOODMAN
 Consulting Engineers

USER NAME = 488cac	DESIGNED - CAC	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - CJC	REVISED -
PLOT DATE = 10/23/2019	CHECKED - CAC	REVISED -
	DATE - 8-20-19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

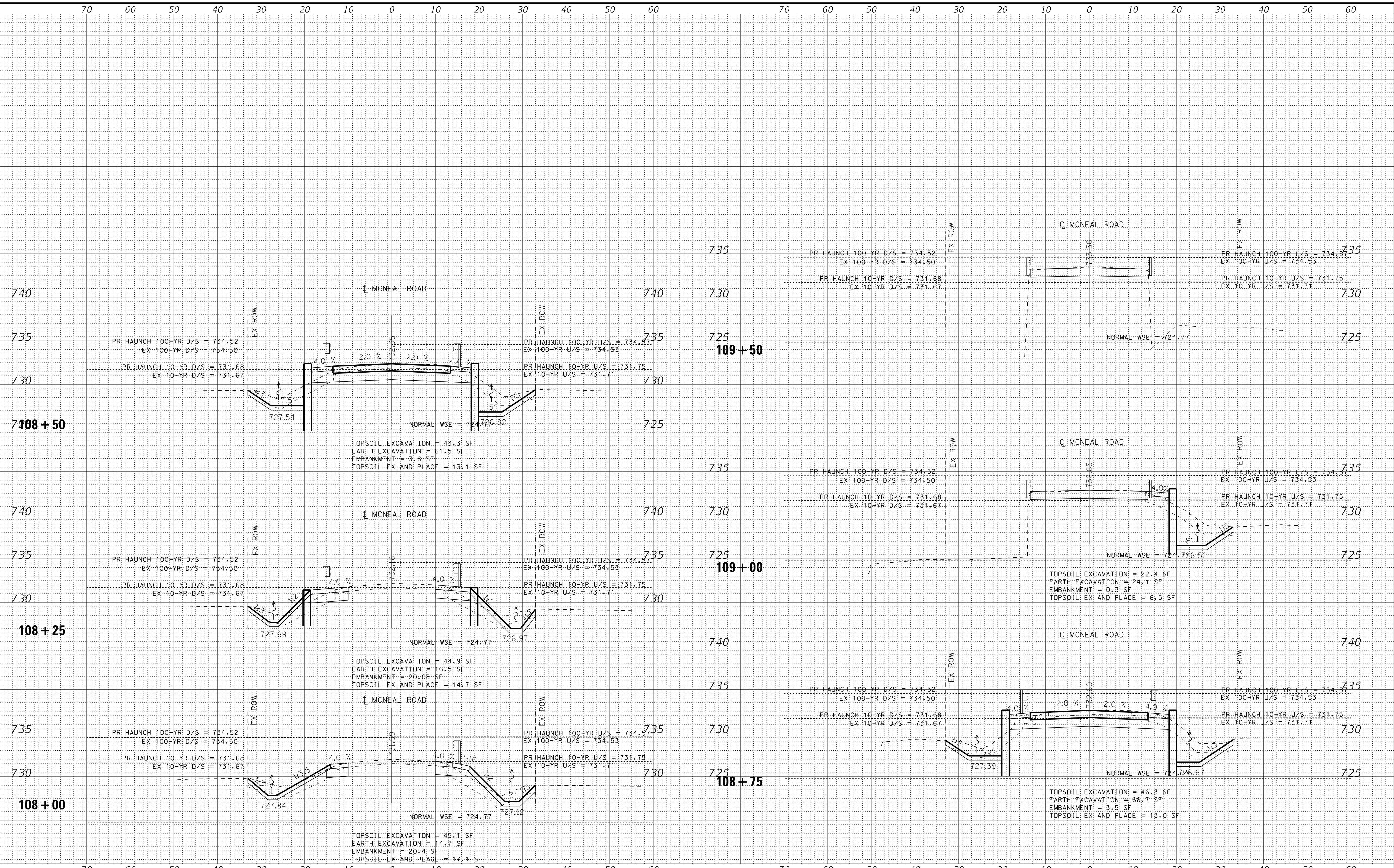
CROSS SECTIONS	
TR. RTE.	SECTION
0011	13-05119-01-BR
SCALE: $\frac{1"}{40'}$	SHEET 1 OF 4 SHEETS
STA. 104+00	TO STA. 107+50

COUNTY	TOTAL SHEETS	SHEET NO.
DEKALB	43	40
CONTRACT NO. 87688		
ILLINOIS FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

MODEL: Default
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BAXTER & WOODMAN
 Consulting Engineers

USER NAME	= 488cac
PLOT SCALE	= 10.0000' / in.
PLOT DATE	= 10/23/2019

DESIGNED	- CAC	REVISED	-
DRAWN	- CJC	REVISED	-
CHECKED	- CAC	REVISED	-
DATE	- 8-20-19	REVISED	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

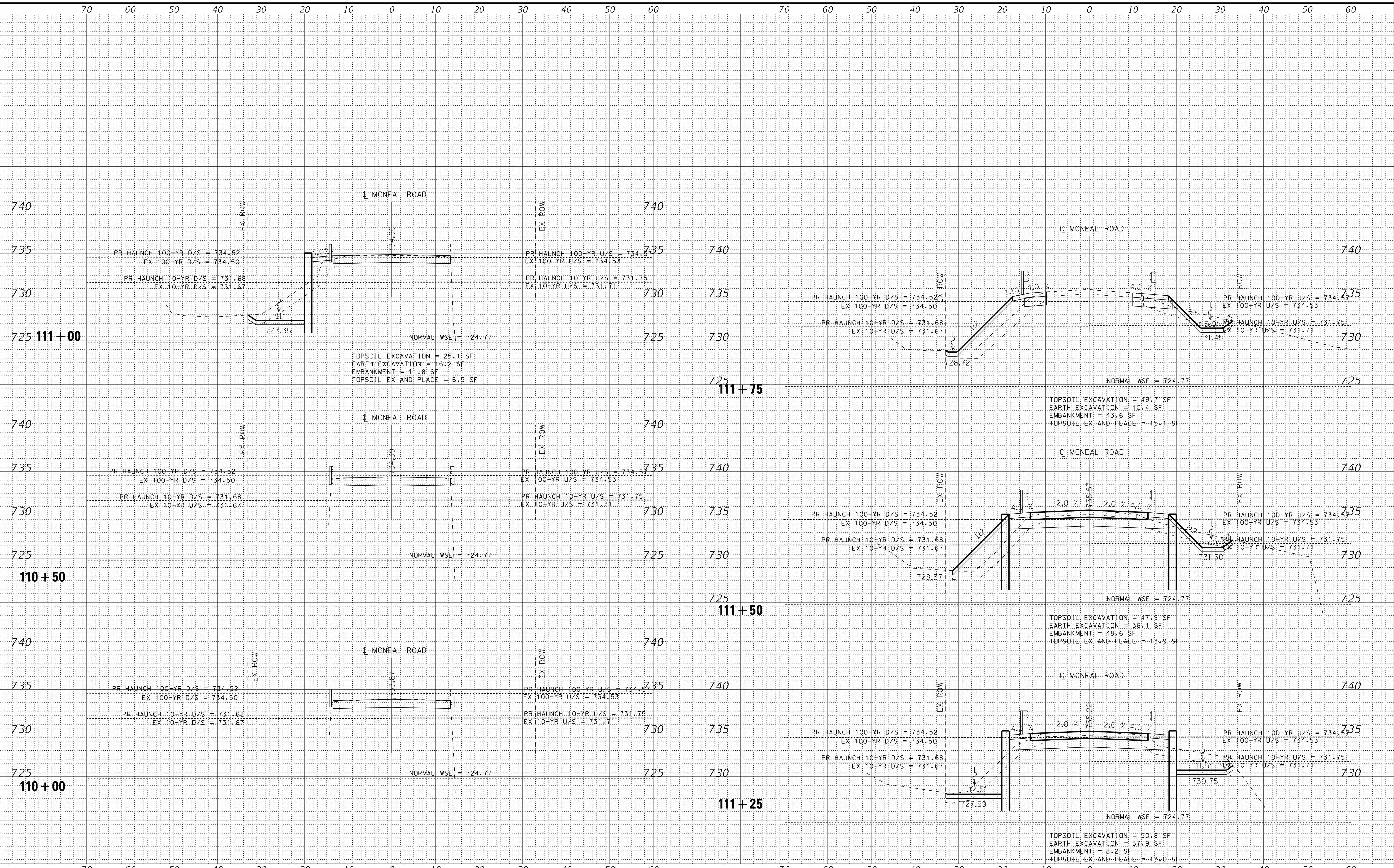
CROSS SECTIONS	
TR. RTE.	SECTION
0011	13-05119-01-BR
SCALE: H: 1" = 10'	SHEET 2 OF 4 SHEETS
	STA. 108+00 TO STA. 109+50

COUNTY	TOTAL SHEETS	SHEET NO.
DEKALB	43	41
CONTRACT NO. 87688		
ILLINOIS FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

MODEL: Default
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BAXTER & WOODMAN
 Consulting Engineers

USER NAME = 488cac	DESIGNED - CAC	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - CJC	REVISED -
PLOT DATE = 10/23/2019	CHECKED - CAC	REVISED -
	DATE - 8-20-19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

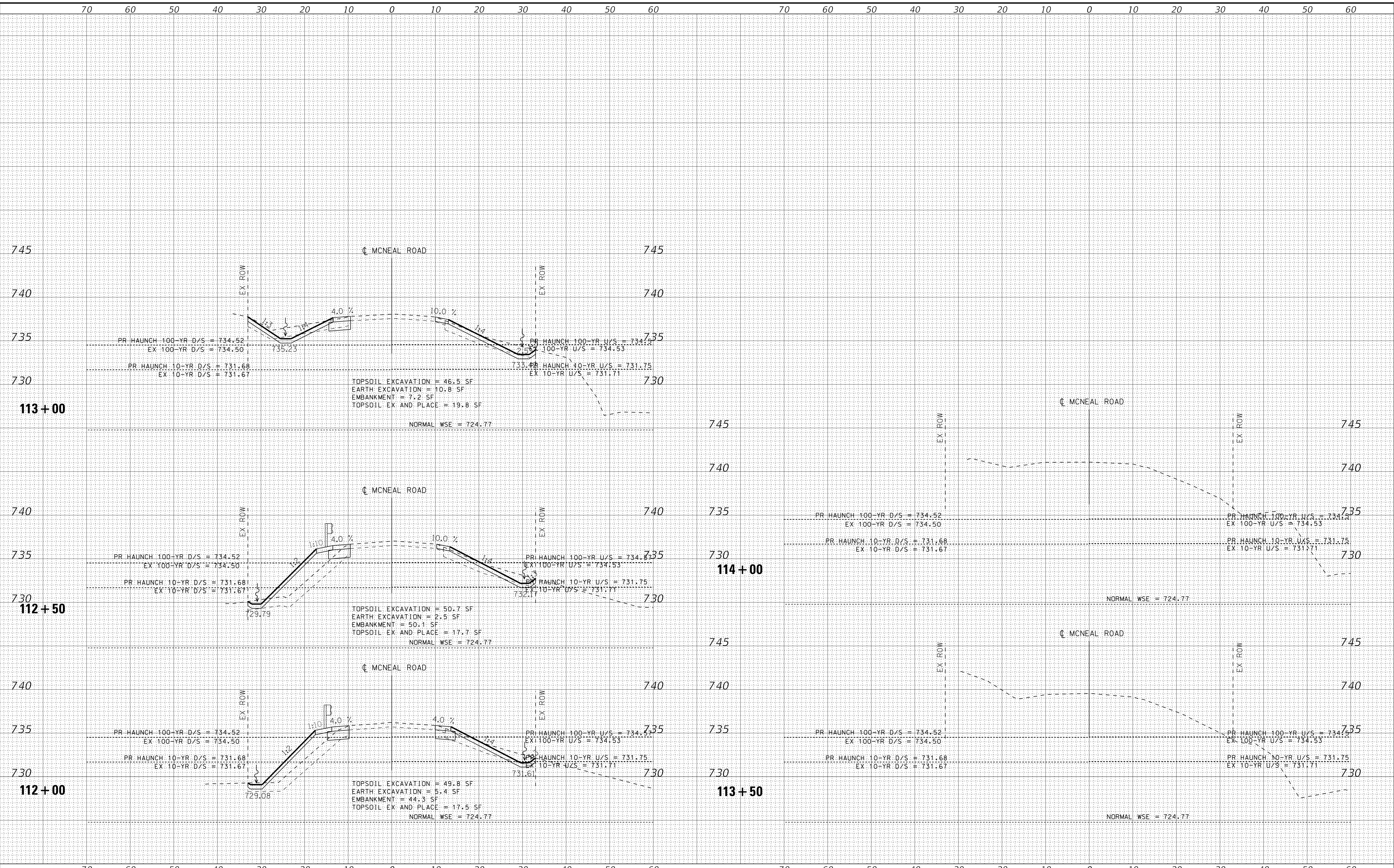
CROSS SECTIONS	
McNEAL ROAD OVER S. BR. KISHAWUKEE RIVER	
SCALE: H: 1"=30'	V: 1"=5'
SHEET 3 OF 4 SHEETS	STA. 110+00 TO STA. 111+75

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	42
			CONTRACT NO. 87688	
ILLINOIS FED. AID PROJECT				

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

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

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BAXTER & WOODMAN
 Consulting Engineers

USER NAME = 488cac
 DESIGNED - CAC
 DRAWN - CJC
 CHECKED - CAC
 DATE - 8-20-19

DESIGNED - CAC
 REVISIONS -
 CHECKED - CAC
 DATE - 8-20-19

REVISIONS -
 REVISIONS -
 REVISIONS -
 REVISIONS -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
McNEAL ROAD OVER S. BR. KISHAWKEE RIVER
 SCALE: $\frac{1}{4}'' = 10'$
 SHEET 4 OF 4 SHEETS STA. 112+00 TO STA. 114+00

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0011	13-05119-01-BR	DEKALB	43	43
			CONTRACT NO. 87688	
			ILLINOIS FED. AID PROJECT	