

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

01-20-2017 LETTING ITEM 155

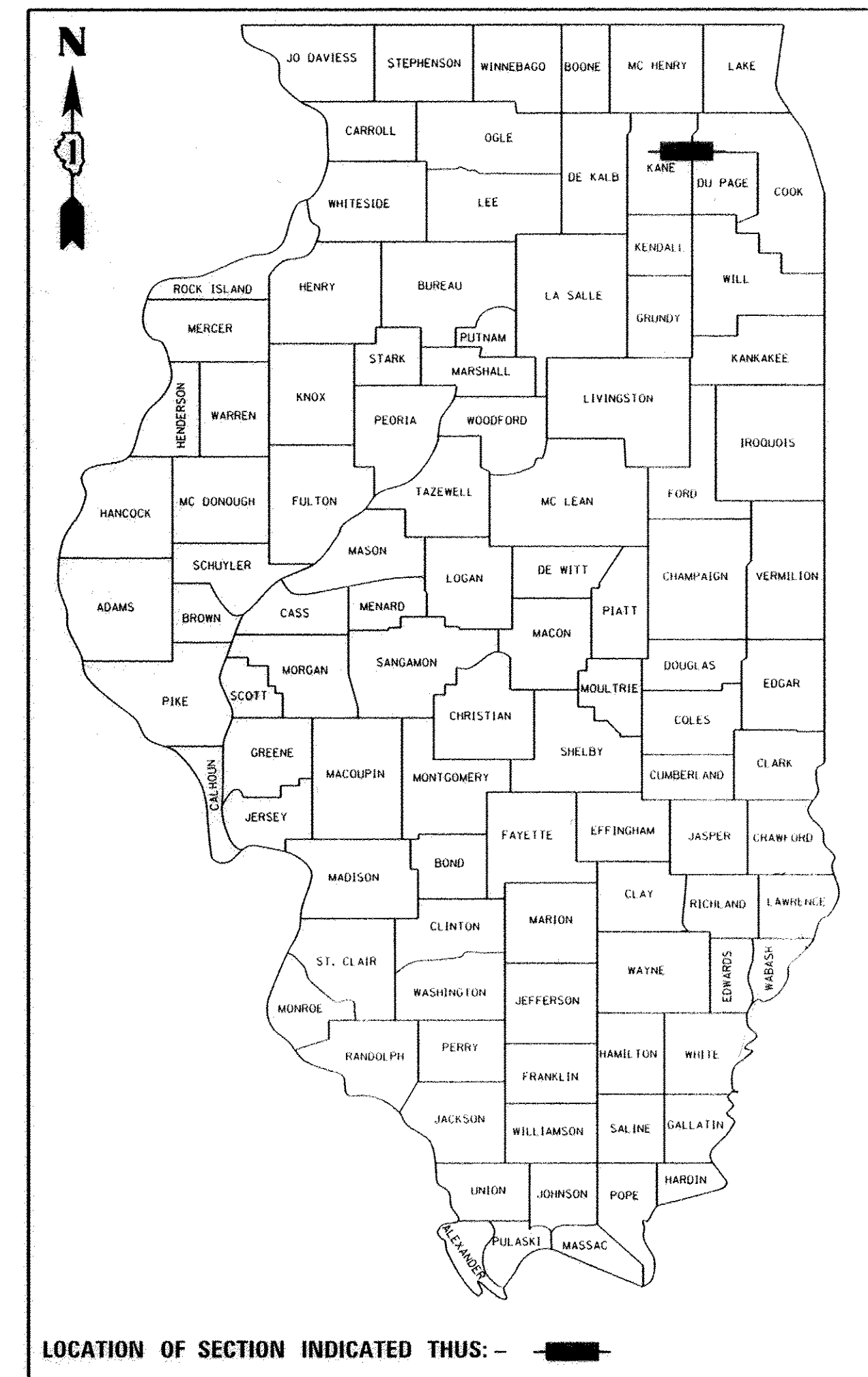
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**FAU ROUTE 1343 (STATE STREET)
WATER STREET TO RIVER STREET
BRIDGE REHABILITATION
SECTION NO.: 13-00043-00-BR
PROJECT NO.: TE-00D(927)
VILLAGE OF SOUTH ELGIN
KANE COUNTY
C-91-286-13**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 61C17		



PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847) 705-4406 SCHAUMBURG, IL

TRAFFIC DATA

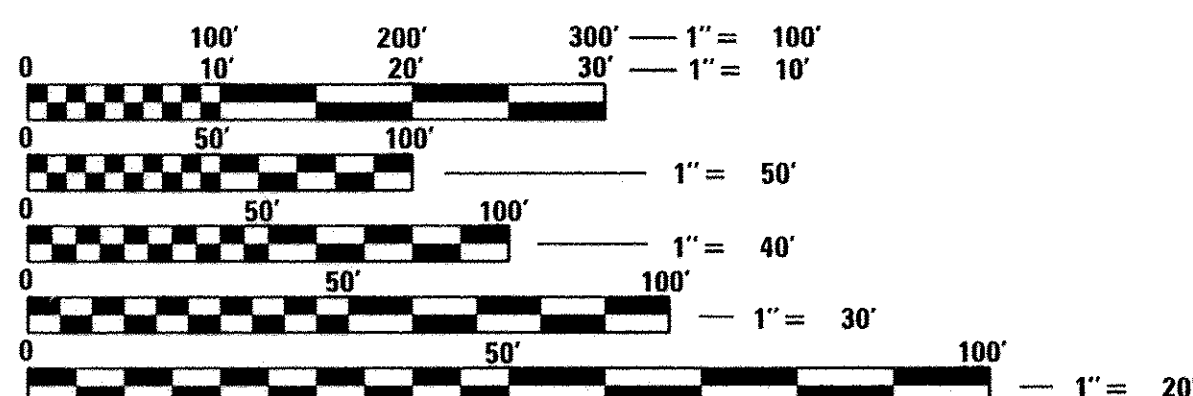
STATE STREET

ADT (2015) = 2050

SPEED LIMIT = 30 MPH

ADT (2032) = 2616

MINOR ARTERIAL

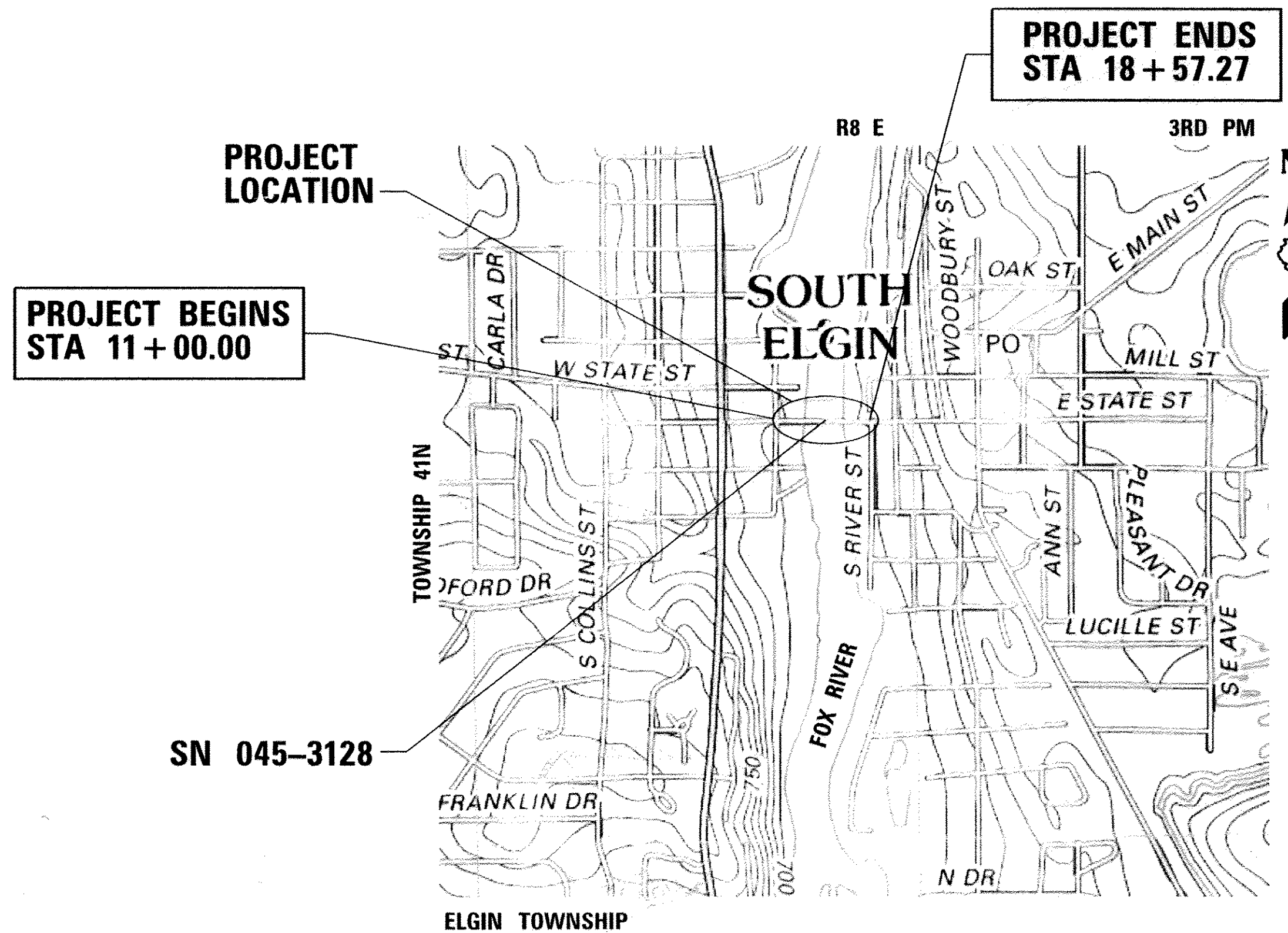


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PLANS PREPARED BY:

Michael Baker
INTERNATIONAL
CONTRACT NO. 61C17



LOCATION MAP
N.T.S.

GROSS & NET LENGTH = 757 FT. = 0.14 MILE

MICHAEL BAKER INTERNATIONAL

Dennis F. Morgan P.E., S.E.

IL. REG. NO. 081-006506

EXP. 11/30/2016

DATE 8/16/2016

MICHAEL BAKER INTERNATIONAL

Isaac Yun P.E.

IL. REG. NO. 062-062257

EXP. 11/30/2017

DATE 8/16/2016

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED: *August 16, 2016*
[Signature]
PUBLIC WORKS DIRECTOR, VILLAGE OF SOUTH ELGIN

PASSED: *NOVEMBER 7, 2016*
[Signature]
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW *November 10, 2016*
[Signature]
REGIONAL ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

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IDOT HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424026-01	ENTRANCE/ALLEY PEDESTRAIN CROSSING
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
729001-01	APPLICATIONS OF TYPE A&B METALPOSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
812001	RACEWAY EMBEDDED IN STRUCTURE (SHT 2 OF 3)
814001-03	HANDHOLES (COMPOSITE CONCRETE)
825011-03	LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
836001-02	LIGHT POLE FOUNDATION

POINTS OF CONTACT

AT&T CORP. MR. HECTOR GARCIA 1000 COMMERCE DRIVE OAK BROOK, IL 60523 847-888-6799 (OFFICE) 630-639-8372 (DIRECT) HG2929@ATT.COM	NICOR GAS CONSTANCE LANE 1844 FERRY ROAD NAPERVILLE, IL 60563 630-388-3830 CLANE@AGIRESOURCES.COM
COMMONWEALTH EDISON COMPANY MRS. DARLENE CRAMMER 860 OAK CREEK DRIVE LOMBARD, IL 60148 630-396-8220 EXT. 4524	VILLAGE OF SOUTH ELGIN DAN MANN 10 N. WATER STREET SOUTH ELGIN, IL 60177 847-695-2742 DMANN@SOUTHELGIN.COM
COMCAST CABLE MR. THOMAS MUNAR 688 INDUSTRIAL DRIVE ELMHURST, IL 60126 630-600-6316 THOMAS.MUNAR@CABLE.COMCAST.COM	VILLAGE OF SOUTH ELGIN PUBLIC WORKS RICHARD GALLAS 735 MARTIN DRIVE SOUTH ELGIN, IL 60177 847-695-2742 RGALLAS@SOUTHELGIN.COM

GENERAL NOTES

- 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 STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS", AND THE "STANDARD SPECIFICATION FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS". ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST I.D.O.T. STANDARD.
- THE CONTRACTOR SHALL NOT BEGIN THE WORK TO BE PERFORMED UNDER THE CONTRACT WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER TO PROCEED WITH THE WORK AND SHALL COMMENCE WORK NOT LATER THAN TEN (10) DAYS AFTER RECEIVING THE AUTHORIZATION TO PROCEED.
- ALL ELEVATIONS ARE BASED ON NGV 29 DATUM.
- DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIAL AND BEGINNING THE CONSTRUCTION.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET TO THE SATISFACTION OF THE ENGINEER.
- UNLESS AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS POINTS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
- THE CONTRACTOR SHALL OBTAIN, ERECT, MAINTAIN AND REMOVE ALL SIGNS, BARRICADES, FLAGGERS AND OTHER TRAFFIC CONTROL DEVICES AS MAY BE NECESSARY FOR THE PURPOSE OF REGULATING, WARNING, OR GUIDING TRAFFIC. PLACEMENT AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PARTS OF ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS AND THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
- DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED, AT THE CONTRACTOR'S EXPENSE, TO HAVE A WATER TRUCK OR SIMILAR EQUIPMENT AVAILABLE TO CONTROL DUST. IF NECESSARY, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DUST DURING NON-WORKING HOURS. THIS WORK WILL BE IN ACCORDANCE WITH ARTICLE 107.36 OF THE STANDARD SPECIFICATIONS.
- THE UNIT PRICE FOR ALL REMOVAL PAY ITEMS SHALL INCLUDE ALL REQUIRED SAW CUTS.
- ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL FROM SEWER TRENCHES) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES.
- TOPSOIL SHALL NOT BE STOCKPILED WITHIN THE LIMITS OF CONSTRUCTION. THE LOCATIONS OF TOPSOIL STOCKPILES WITHIN THE RIGHT OF WAY MUST BE APPROVED BY THE ENGINEER.
- SANITARY FACILITIES MAY NOT BE LOCATED NEAR THE FOX RIVER. AT COMPLETION, THE FACILITY SHALL BE REMOVED AND THE PREMISES LEFT CLEAN. THE ENGINEER SHALL APPROVE THE LOCATION OF THE SANITARY FACILITY.

THE CONTRACTOR WILL BE REQUIRED TO PROVIDE AN ACCESSIBLE ALTERNATIVE TEMPORARY PATH OPEN AT ALL TIMES WITH THE USE OF IDOT STANDARD ROAD PLAN 701801-06.
- ALL SIDEWALK REMOVAL AND REPLACEMENT SHALL BE DONE IN FULL SECTIONS TO MATCH PROPOSED SIDEWALK TO EXISTING.
- DURING CONSTRUCTION OPERATIONS, WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS.
- WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SEEDED AREAS PRIOR TO THE FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR AT THEIR EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL PROVIDE AS-BUILT DATA TO DOCUMENT THE FLOOD PLAIN FILL. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER TO COLLECT DATA AND DOCUMENT WITH PLANS AND CROSS-SECTIONS THE RELATED FLOODPLAIN IMPACTS (FILL) TO THE VILLAGE OF SOUTH ELGIN.
- ALL TREES ARE DESIGNATED TO BE SAVED UNLESS OTHERWISE NOTED ON THE PLANS, AND SHALL BE PROTECTED IN ACCORDANCE WITH THE PROVISIONS OF ARTICLE 201 OF THE STANDARD SPECIFICATIONS.
- TEMPORARY FENCE SHALL BE PLACED AROUND ALL TREES THAT ARE TO BE PROTECTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISION PERIMETER EROSION BARRIER FOR MORE DETAIL.
- ALL WORK PERFORMED RELATIVE TO THIS IMPROVEMENT SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF O.S.H.A.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 800-892-0123 FOR FIELD LOCATIONS OF ALL UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF SOUTH ELGIN (72 HOUR NOTIFICATION IS REQUIRED).
- EXISTING PUBLIC AND PRIVATE UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM UTILITY COMPANIES, MUNICIPALITIES, AND SURVEYS. IN ACCORDANCE WITH ARTICLES 105.07 AND 107.39 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL BE FAMILIARIZED WITH THE LOCATION OF ALL UTILITIES AND STRUCTURES THAT MAY BE FOUND IN THE VICINITY OF THE CONSTRUCTION. THE CONTRACTOR WILL ALSO ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER SHOWN OR NOT, AND MUST REALIZE THAT THE ACTUAL LOCATIONS AND/OR ELEVATIONS OF THE UTILITIES MAY BE DIFFERENT THAN INDICATED.
- SHOULD ANY DAMAGES OCCUR DUE TO THE CONTRACTOR'S NEGLIGENCE, THE CONTRACTOR SHALL MAKE REPAIRS IN A MANNER ACCEPTABLE TO THE ENGINEER, AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF THEIR CONSTRUCTION SCHEDULE AND COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY COMPANIES SO THAT RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER, IN ACCORDANCE WITH ARTICLES 105.07 AND 107.39 OF THE STANDARD SPECIFICATIONS.
- ALL UTILITIES, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- WHEN WORKING IN THE VICINITY OF ELECTRIC LINES, THE CONTRACTOR SHALL MAINTAIN A MINIMUM WORKING CLEARANCE DISTANCE BETWEEN THE EQUIPMENT USED AND THE ELECTRIC TRANSMISSION (138KV AND 345 KV) AND ELECTRIC DISTRIBUTION (12KV AND 34KV) CONDUCTORS EQUAL TO THE GREATER OF TEN (10) FEET OR THE DISTANCE REQUIRED BY O.S.H.A. REGULATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS, WATER MAINS, AND STREET LIGHTS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT, RELOCATION, OR EXTENSION OF THE UTILITY INVOLVED.

FILE NAME = 8FILE9

Michael Baker INTERNATIONAL	USER NAME = Michal.Miczek	DESIGNED <i>JBR</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STATE STREET BRIDGE ENHANCEMENT PROJECT GENERAL NOTES			F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 2	
	PLLOT SCALE = 1:800' / 1" =	CHECKED <i>ITY</i>	REVISED -		SCALE: N/A	SHEET NO. 1 OF 1 SHEETS	STA. N/A	TO STA. N/A	JOB NO. C-91-286-13	CONTRACT NO. 61C17			
	PLLOT DATE = 11/10/2016	DATE <i>11/10/2016</i>	REVISED -										

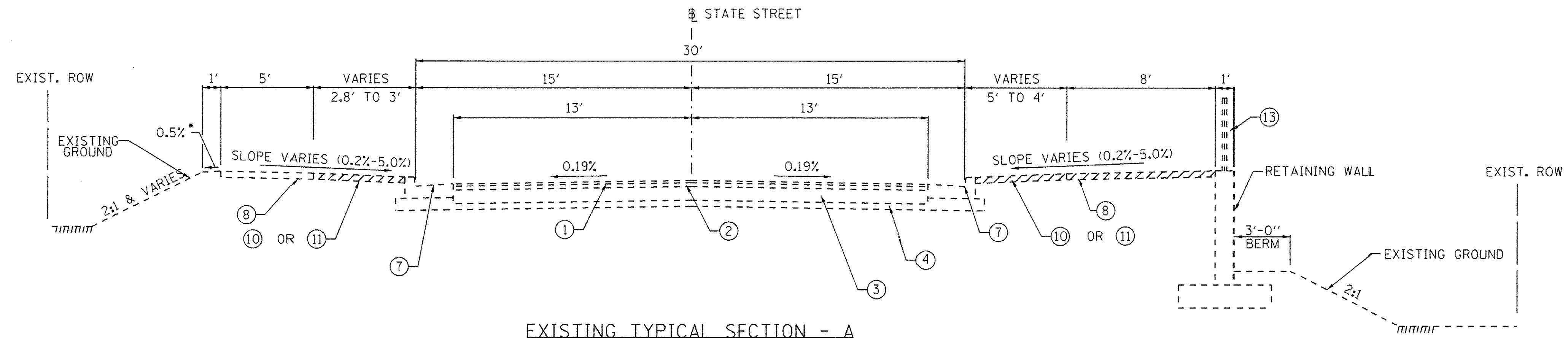
SUMMARY OF QUANTITIES						
SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY 80% FED 20% LOCAL*	CONSTRUCTION CODE
		20200100	EARTH EXCAVATION	CU YD	10	0028
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	82	0028
X		25000210	SEEDING, CLASS 2A	ACRE	0.10	0028
X		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	0028
X		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	0028
X		25100630	EROSION CONTROL BLANKET	SQ YD	600	0028
	X	28000400	PERIMETER EROSION BARRIER	FOOT	930	0028
		28000500	INLET AND PIPE PROTECTION	EACH	4	0028
		28000510	INLET FILTERS	EACH	39	0028
		31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	117	0028
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	96	0028
		42001300	PROTECTIVE COAT	SQ YD	124	0028
		42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	758	0028
		42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	362	0028
		44000600	SIDEWALK REMOVAL	SQ FT	909	0028
		50102400	CONCRETE REMOVAL	CU YD	106	0028
		50300225	CONCRETE STRUCTURES	CU YD	21	0028
		50300255	CONCRETE SUPERSTRUCTURE	CU YD	181	0028
X		50300285	FORM LINER TEXTURED SURFACE	SQ FT	1,121	0028
		50300300	PROTECTIVE COAT	SQ YD	570	0028
		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	58,230	0028
X		50901720	BICYCLE RAILING	FOOT	970	0028
X		50901750	PARAPET RAILING	FOOT	703	0028
		52000110	PREFORMED JOINT STRIP SEAL	FOOT	26	0028
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	0028

SUMMARY OF QUANTITIES						
SI	SP	CODE NO.	ITEM	UNIT	TOTAL QUANTITY 80% FED 20% LOCAL*	CONSTRUCTION CODE
		67100100	MOBILIZATION	LSUM	1	0028
		70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	
X		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4,900	0028
X		70400100	TEMPORARY CONCRETE BARRIER	FOOT	515	0028
X		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	515	0028
X		70600240	IMPACT ATTENUATORS, TEMPORARY(NON-REDIRECTIVE), TEST LEVEL 2	EACH	2	0028
X		70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	2	0028
X		72000100	SIGN PANEL - TYPE 1	SQ FT	19	0028
X		72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	0028
X		72900200	METAL POST - TYPE B	FOOT	15	0028
X		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	391	0028
X		78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	809	0028
X	X	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	0028
X	X	80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1	0028
X	X	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	70	0028
X	X	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	555	0028
X	X	81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA PVC COATED GALVANIZED STEEL	FOOT	470	0028
X		81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"X12"X6"	EACH	4	0028
X		81300980	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 8"X8"X6"	EACH	6	0028
X		81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1	0028
X		81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO 4	FOOT	4,925	0028
X		82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240 VOLT, 60 AMP	EACH	1	0028
X		83600200	LIGHT POLE FOUNDATION 24" DIAMETER	FOOT	42	0028
X		84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	5	0028
X		84200804	REMOVAL OF POLE FOUNDATION	EACH	2	0028
X	X	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	440	0028

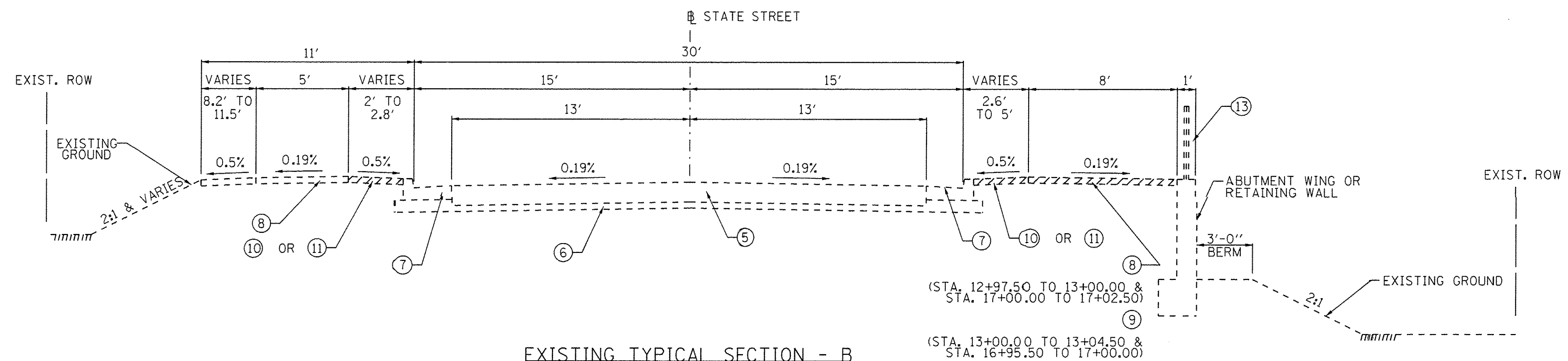
SI = SPECIALTY ITEMS
SP = SPECIAL PROVISION
*STREET LIGHTING IS 50% FED 50% LOCAL

FILE NAME = \$FILEL\$

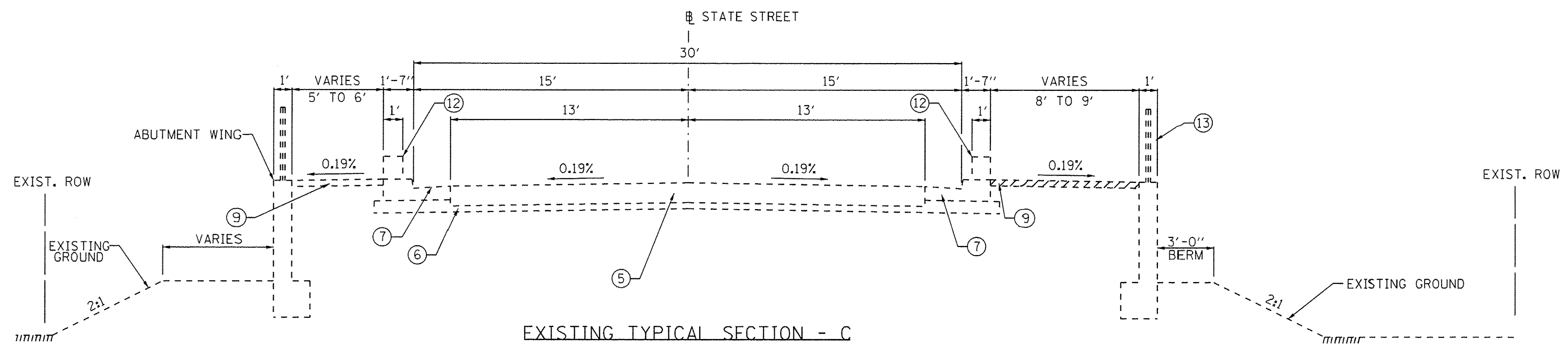
Michael Baker INTERNATIONAL	USER NAME = Michol.Miczek	DESIGNED <i>JBR</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STATE STREET BRIDGE ENHANCEMENT PROJECT SUMMARY OF QUANTITIES	F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 3
	PLOT SCALE = 0.862' / in.	DRAWN <i>AJV</i>	REVISED -			JOB NO. C-91-286-13	CONTRACT NO. 61C17			
	PLOT DATE = 11/10/2016	CHECKED <i>ITY</i>	REVISED -			SCALE: N/A	SHEET NO. 1 OF 2 SHEETS	STA. N/A TO STA. N/A	FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT
		DATE <i>11/10/2016</i>	REVISED -							



EXISTING TYPICAL SECTION - A
 STA. 11+81.00 TO STA. 12+97.50
 STA. 17+25.00 TO STA. 18+19.00



EXISTING TYPICAL SECTION - B
 STA. 12+97.50 TO STA. 13+04.50
 STA. 16+95.50 TO STA. 17+25.00



EXISTING TYPICAL SECTION - C
 STA. 13+04.50 TO STA. 13+17.50
 STA. 16+82.50 TO STA. 16+95.50
 SEE NOTE 1

EXISTING LEGEND

- ① 1-1/2" BITUMINOUS CONCRETE SURFACE COURSE, MIX D, CLASS I
- ② 2-1/2" BITUMINOUS CONCRETE BINDER COURSE
- ③ 9" BITUMINOUS BASE COURSE
- ④ SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ⑤ PCC BRIDGE APPROACH PAVEMENT
- ⑥ BRIDGE APPROACH SUBBASE, 4"
- ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑧ PCC SIDEWALK, 4"
- ⑨ PCC SIDEWALK, 6"
- ⑩ BRICK PAVERS
- ⑪ MULCH
- ⑫ EXISTING PARAPET
- ⑬ EXISTING BICYCLE RAILING

ITEMS TO BE REMOVED

NOTES:

1. REFER TO STRUCTURAL PLANS FOR BRIDGE SECTIONS FROM STA. 13+17.50 TO STA. 16+82.50
2. REFER TO THE STRUCTURAL TYPICAL SECTIONS FOR MORE INFORMATION

FILE NAME = 87E1E18

Michael Baker INTERNATIONAL

USER NAME = Michal.Miczek
 DESIGNED JBR
 DRAWN AJV
 CHECKED ITY
 DATE 11/10/2016

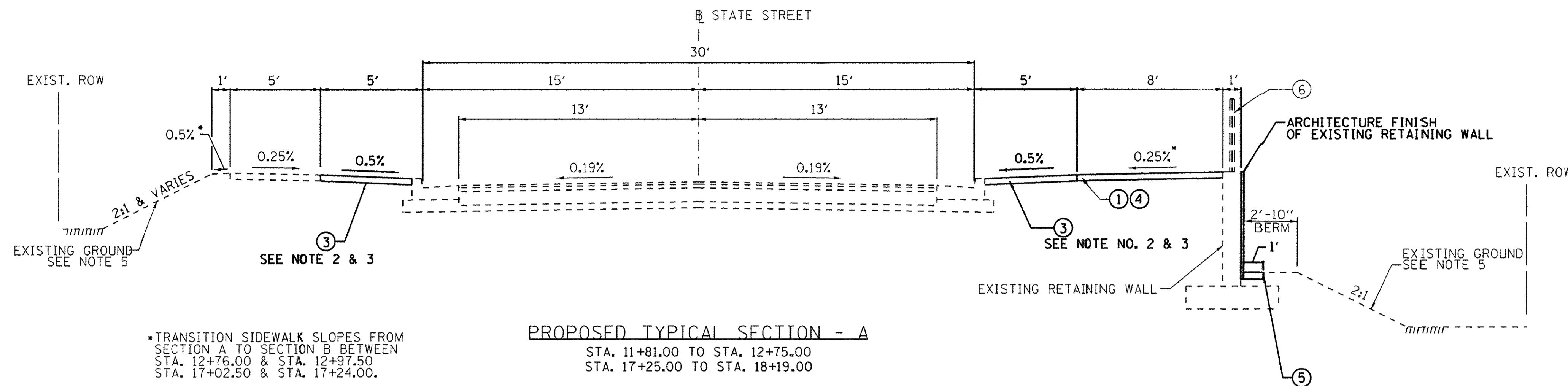
REVISOR -
 REVISION -
 REVISION -
 REVISION -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STATE STREET BRIDGE ENHANCEMENT PROJECT
 EXISTING TYPICAL SECTIONS**

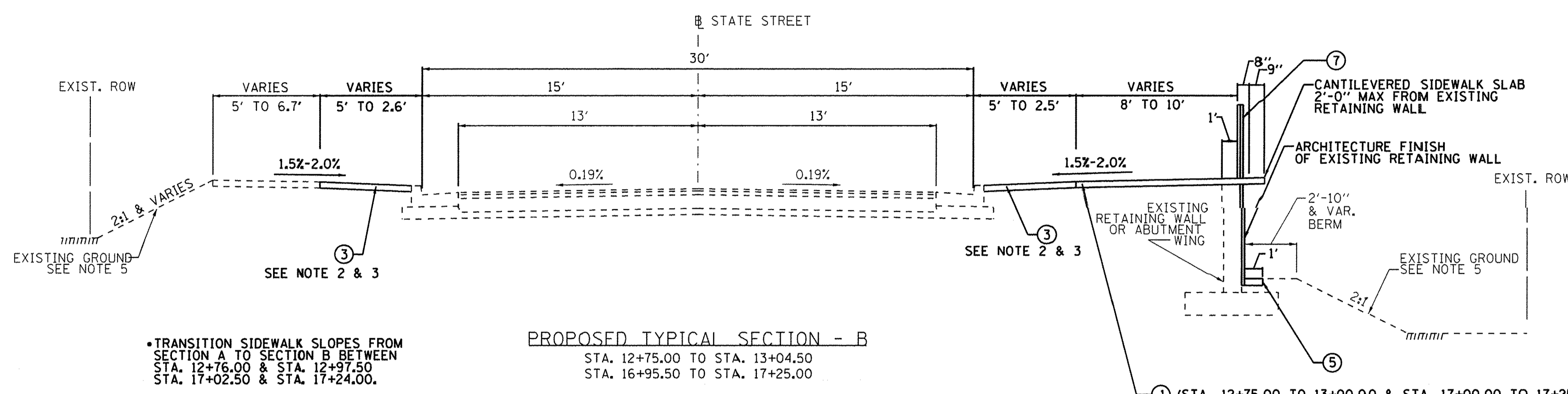
SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	5
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



•TRANSITION SIDEWALK SLOPES FROM SECTION A TO SECTION B BETWEEN STA. 12+76.00 & STA. 12+97.50
STA. 17+02.50 & STA. 17+24.00.

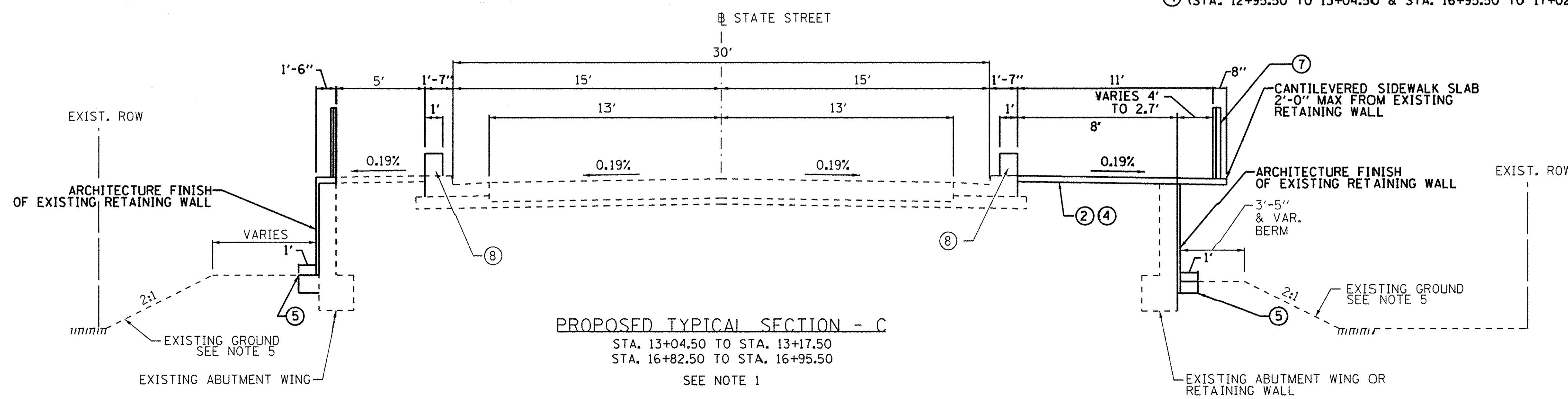
PROPOSED TYPICAL SECTION - A
STA. 11+81.00 TO STA. 12+75.00
STA. 17+25.00 TO STA. 18+19.00



•TRANSITION SIDEWALK SLOPES FROM SECTION A TO SECTION B BETWEEN STA. 12+76.00 & STA. 12+97.50
STA. 17+02.50 & STA. 17+24.00.

PROPOSED TYPICAL SECTION - B
STA. 12+75.00 TO STA. 13+04.50
STA. 16+95.50 TO STA. 17+25.00

- ① (STA. 12+75.00 TO 13+00.00 & STA. 17+00.00 TO 17+25.00)
- ② (STA. 13+00.00 TO 13+04.50 & STA. 16+95.50 TO 17+00.00)
- ④ (STA. 12+95.50 TO 13+04.50 & STA. 16+95.50 TO 17+02.50)



PROPOSED TYPICAL SECTION - C
STA. 13+04.50 TO STA. 13+17.50
STA. 16+82.50 TO STA. 16+95.50
SEE NOTE 1

PROPOSED LEGEND

- ① PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- ② PORTLAND CEMENT CONCRETE SIDEWALK, 6"
- ③ BRICK PAVER SIDEWALK
- ④ SUBBASE GRANULAR MATERIAL, TYPE B, 2"
- ⑤ SEEDING, CLASS 2A TOPSOIL EXCAVATION AND PLACEMENT, FERTILIZER NUTRIENTS
- ⑥ EXISTING BICYCLE RAILING
- ⑦ PROPOSED BICYCLE RAILING
- ⑧ EXISTING PARAPET

NOTES:

1. REFER TO STRUCTURAL PLANS FOR BRIDGE SECTIONS FROM STA. 13+17.50 TO STA. 16+82.50.
2. PROPOSED BRICK PAVER SIDEWALK FROM STA. 12+00.00 TO STA. 13+05.00 (R&L) SHALL BE INSTALLED UTILIZING THE EXISTING SLOPES AND FLUSH WITH THE BACK OF CURB AND EDGE OF SIDEWALK.
3. EXISTING BRICK PAVER SIDEWALK FROM STA. 16+95.24 (R&L) TO STA. 18+00.24 (L) AND 18+18 (R) SHALL BE REMOVED, SALVAGED, AND REPLACED TO THEIR EXISTING STATE FOR THE INSTALLATION OF LIGHTING ITEMS.
4. EXISTING BRICK PAVER SIDEWALK FROM STA. 11+81.11 TO 12+00.00 (R) SHALL BE REMOVED, SALVAGED, AND REPLACED TO THEIR EXISTING STATE FOR THE INSTALLATION OF LIGHTING ITEMS.
5. REFER TO CRITICAL CROSS SECTIONS FOR PROPOSED GRADING OF SIDE SLOPES.

FILE NAME = 13FILE13

Michael Baker INTERNATIONAL	USER NAME = MichalMiozek	DESIGNED <i>JBR</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STATE STREET BRIDGE ENHANCEMENT PROJECT PROPOSED TYPICAL SECTIONS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1/8" = 1'-0"	DRAWN <i>AJV</i>	REVISED -		1343	13-00043-00-BR	KANE	64	6			
	PLOT DATE = 11/10/2016	CHECKED <i>ITY</i>	REVISED -		JOB NO. C-91-286-13			CONTRACT NO. 61C17				
		DATE <i>11/10/2016</i>	REVISED -		SCALE: N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA. N/A TO STA. N/A	FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT			

SCHEDULE OF EARTHWORK QUANTITIES				
STATION	DISTANCE	EARTH EXCAVATION	FURNISHED EXCAVATION	EARTH EXCAVATION
(XX+XX)	(FT)	(SQFT)	(SQFT)	(CUFT)
SIDEWALK				
12+75	5	0.00	0.00	0.00
12+80	5	0.00	0.00	0.00
12+85	5	0.00	0.00	0.00
12+90	5	0.00	0.00	0.00
12+95	5	0.00	0.00	0.00
13+00	5	0.00	0.00	0.00
13+05	5	0.00	0.00	0.00
16+85	5	0.00	0.00	4.35
16+90	5	1.74	0.00	8.70
16+95	5	1.74	0.00	10.00
17+00	5	2.26	0.00	12.48
17+05	5	2.73	0.00	14.75
17+10	5	3.17	0.00	16.85
17+15	5	3.57	0.00	25.45
17+20	5	6.61	0.00	38.05
17+25	5	8.61	0.00	33.18
17+30	5	4.66	0.00	24.23
17+35	5	5.03	0.00	25.98
17+40	5	5.36	0.00	27.35
17+45	5	5.58	0.00	13.95
17+50	5	0.00	0.00	
Additional Topsoil				
PROJECT SUBTOTAL (CUFT)				255.30
PROJECT SUBTOTAL (CUYD)				9.46
SHRINKAGE FACTOR ADJUSTMENT(25%)				-
PROJECT TOTAL (CUYD)				10.00

SCHEDULE OF TOPSOIL QUANTITIES		
STATION	TOPSOIL EXCAVATION AND PLACEMENT	(CUFT)
FROM	TO	
12+00	13+40	743.54
16+61	18+00	1455.11
PROJECT SUBTOTAL (CU FT)		2198.65
PROJECT TOTAL (CU YD)		82.00

SCHEDULE OF EROSION CONTROL ITEMS

INLET AND PIPE PROTECTION		
STATION	OFFSET	EACH
28000500		
13+49.61	36.18' R	1
16+48.23	36.54' R	1
16+49.44	30.20' L	1
18+59.95	16.67' L	1
PROJECT TOTAL		4

INLET FILTERS		
STATION	OFFSET	EACH
28000510		
11+56.25	51.37' R	1
12+02.47	13.81' R	1
12+03.97	13.61' L	1
13+30.45	13.69' R	1
13+30.59	13.83' L	1
13+54.68	13.64' R	1
13+54.93	14.67' L	1
13+78.92	13.76' R	1
13+79.07	13.85' L	1
14+03.22	13.76' R / 13.85' L	2
14+27.45	13.64' R / 13.88' L	2
14+51.66	13.72' R / 13.87' L	2
14+75.98	13.77' R / 13.85' L	2
14+91.94	13.84' R / 13.84' L	2
15+08.00	13.63' R / 13.89' L	2
15+23.76	13.70' R / 13.90' L	2
15+47.77	13.62' R	1
15+48.21	13.84' R	1
15+72.49	13.75' R / 13.85' L	2
15+96.60	13.95' R / 13.88' L	2
16+20.85	13.79' R	1
16+21.01	13.84' L	1
16+44.98	13.90' R	1
16+45.23	14.66' L	1
16+69.39	13.92' R / 13.82' L	2
18+25.12	20.95' R	1
18+42.10	45.96' R	1
18+51.94	16.54' L	1
18+66.76	16.65' L	1
PROJECT TOTAL		39

PERIMETER EROSION BARRIER			
28000400			
STATION		OFFSET	FT
FROM	TO		
11+96	13+35	R	234
11+87	13+40	L	215
16+65	18+24	R	238
16+60	18+19	L	243
PROJECT TOTAL			930

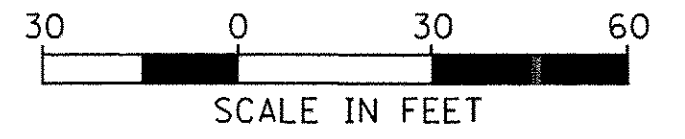
SCHEDULE OF SEEDING ITEMS				
STATION	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	
FROM	TO	25000210	25000400	25000600
(XX+XX)		ACRES	POUND	POUND
OFFSET LEFT				
13+00	13+40	0.010	1	1
16+61	17+46	0.013	1	1
OFFSET RIGHT				
12+00	13+20	0.024	2	2
16+65	18+00	0.053	5	5
PROJECT TOTALS		0.101	9	9

SCHEDULE OF ROADWAY REMOVAL ITEMS		
STATION	SIDEWALK REMOVAL	
FROM	TO	44000600
(XX+XX)		SQFT
12+75	18+00	909
PROJECT TOTALS		909

SCHEDULE OF CONCRETE ROADWAY ITEMS				
STATION	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	PROTECTIVE COAT	
FROM	TO	42400100	42400300	42001300
		SQ FT	SQ FT	SQ YD
12+75	13+20	247	207	50
16+81	17+50	511	155	74
PROJECT TOTAL		758	362	124

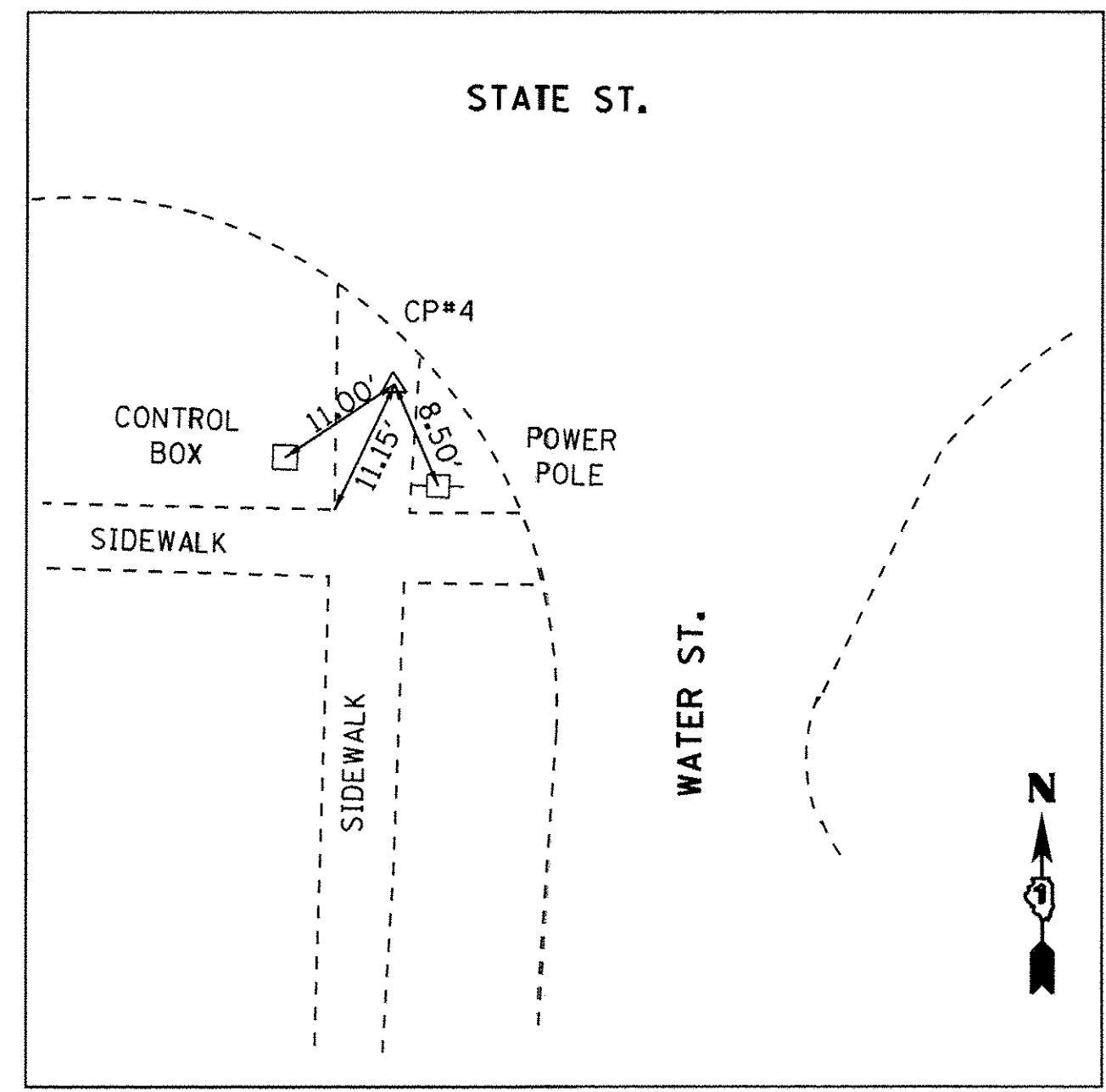
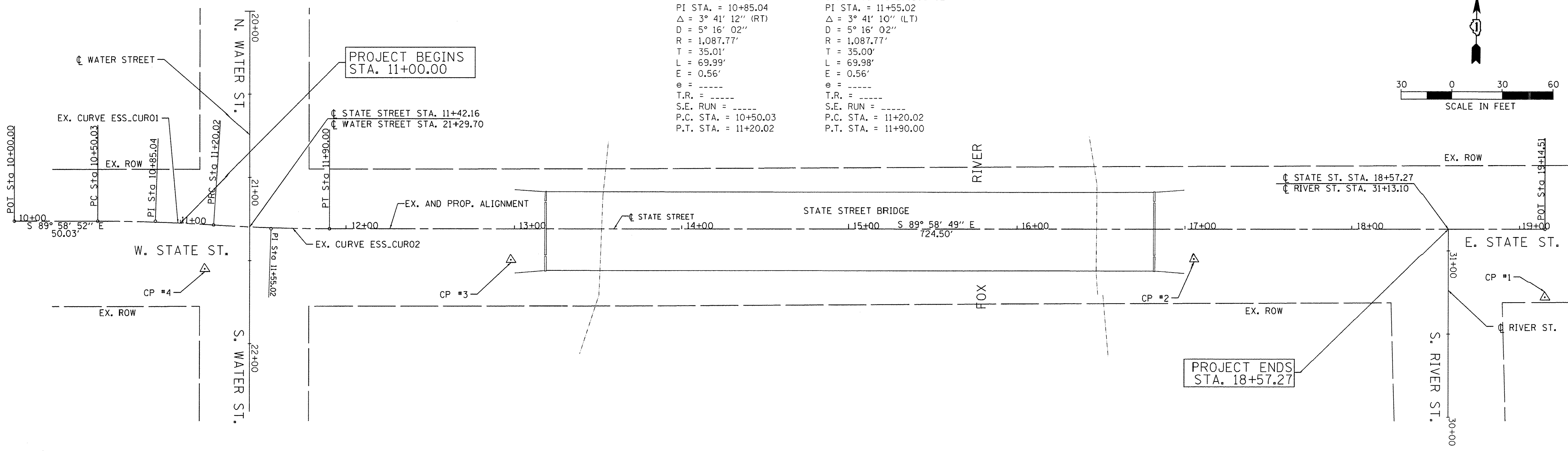
CONTINGENCY AND ESTIMATED ITEMS			
PAYCODE	DESCRIPTION	UNITS	QUANTITY
67100100	MOBILIZATION	LSUM	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	391
78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	809
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LSUM	1
Z0013798	CONSTRUCTION LAYOUT	LSUM	1
Z0076600	TRAINEES	HOUR	500
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500

FILE NAME = \$FILE\$

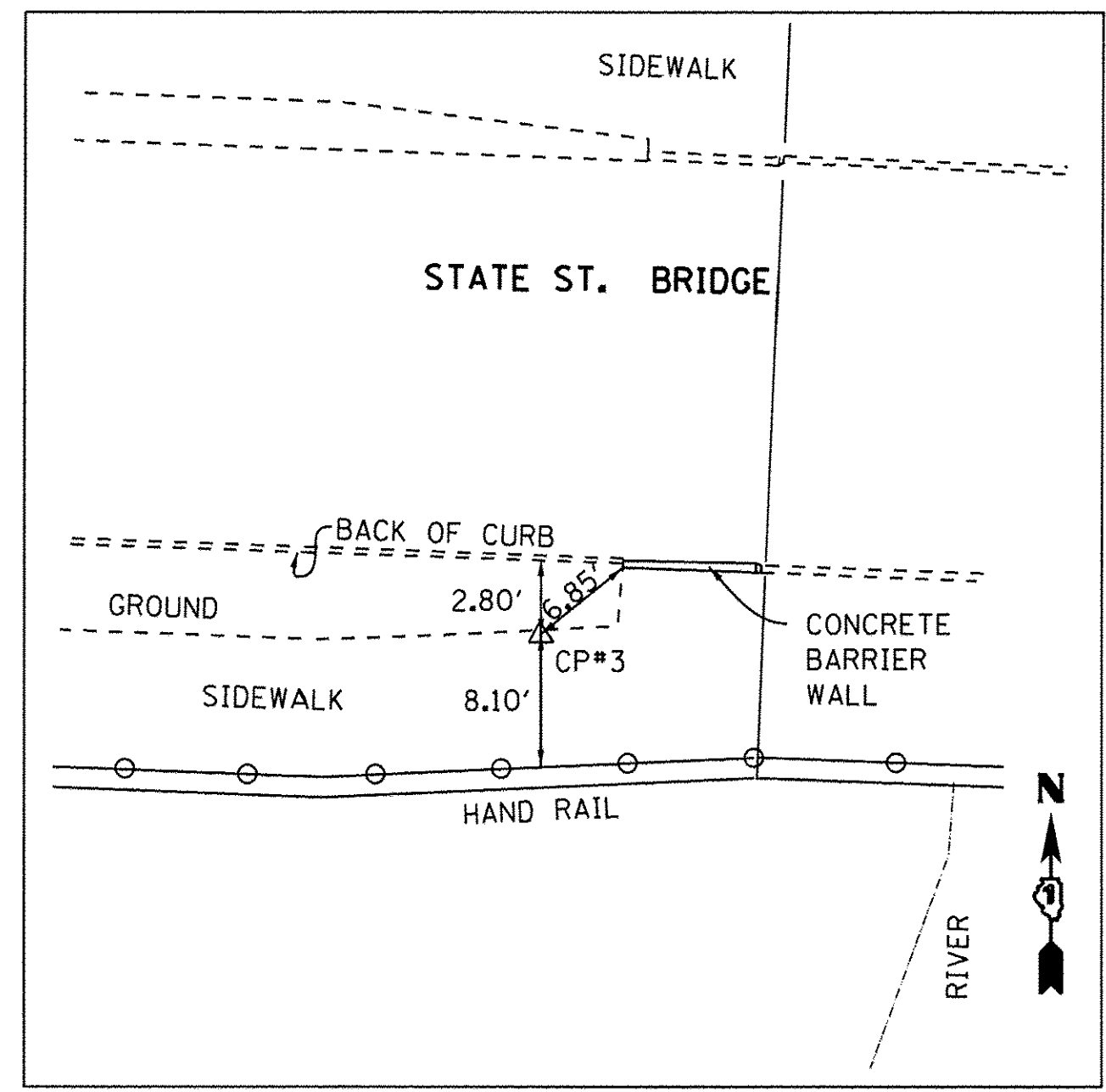


EXIST. CURVE ESS_CUR01
 PI STA. = 10+85.04
 $\Delta = 3^\circ 41' 12''$ (RT)
 $D = 5^\circ 16' 02''$
 $R = 1,087.77'$
 $T = 35.01'$
 $L = 69.99'$
 $E = 0.56'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 10+50.03$
 $P.T. \text{ STA.} = 11+20.02$

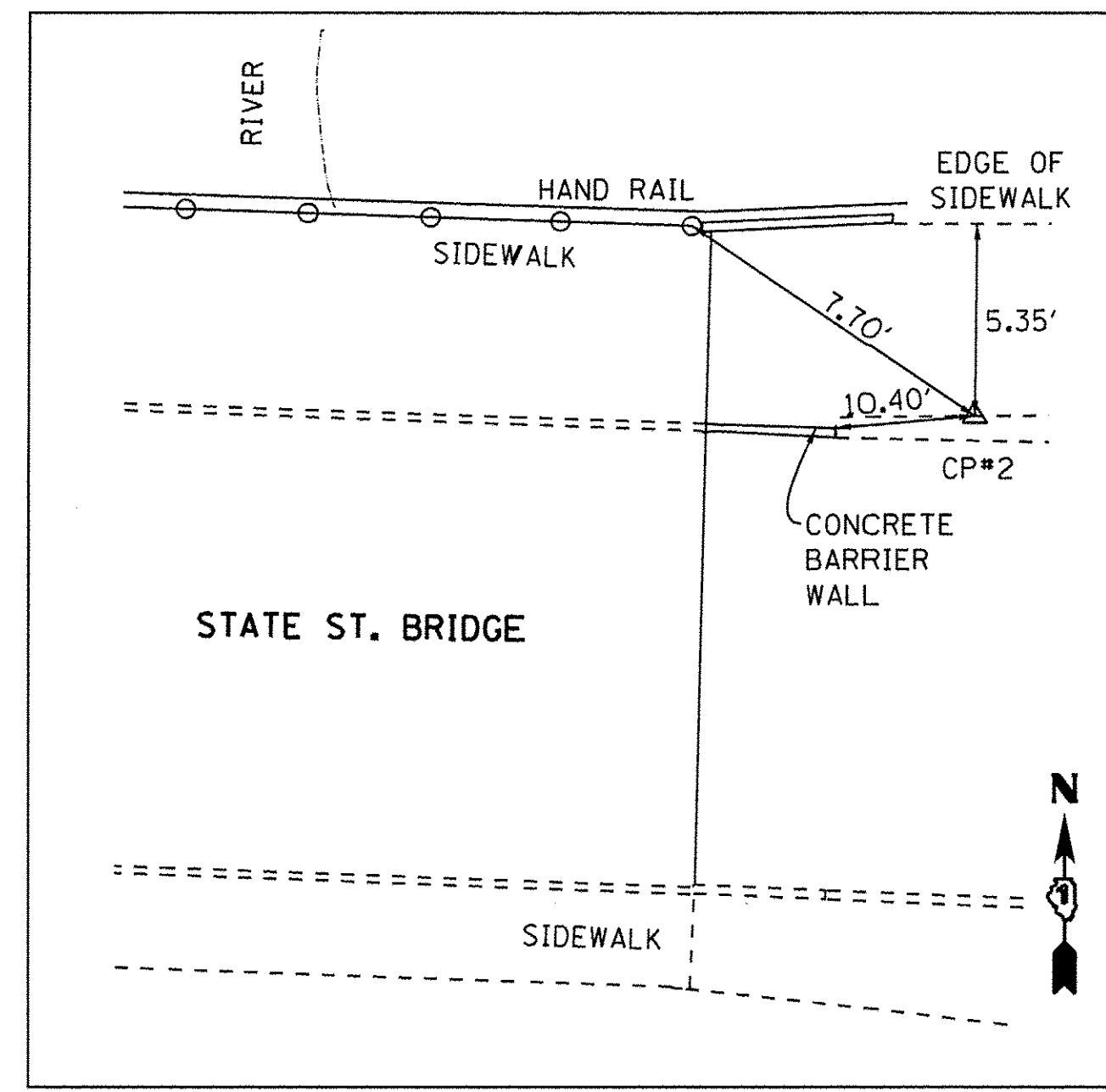
EXIST. CURVE ESS_CUR02
 PI STA. = 11+55.02
 $\Delta = 3^\circ 41' 10''$ (LT)
 $D = 5^\circ 16' 02''$
 $R = 1,087.77'$
 $T = 35.00'$
 $L = 69.98'$
 $E = 0.56'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 11+20.02$
 $P.T. \text{ STA.} = 11+90.00$



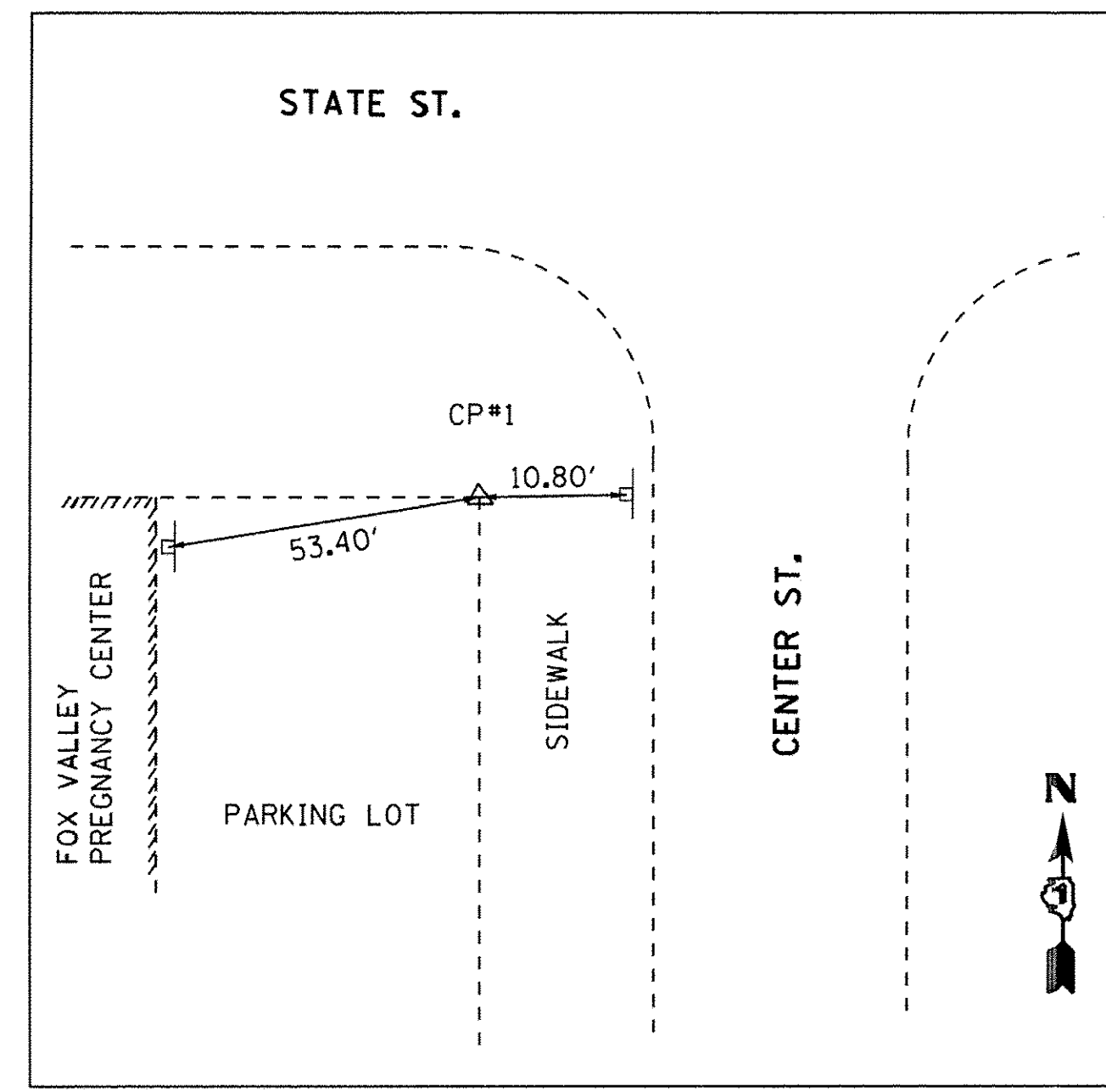
CONTROL POINT #4
 N.T.S.
 CUT CROSS
 STA. 11+16.22', 26.50' RT.
 N 1940485.740
 E 994465.241
 ELEV 700.83



CONTROL POINT #3
 N.T.S.
 CUT CROSS
 STA. 12+97.85', 18.46' RT.
 N 1940491.226
 E 994648.431
 ELEV 706.18



CONTROL POINT #2
 N.T.S.
 CUT CROSS
 STA. 17+05.46', 17.93' LT.
 N 1940527.435
 E 995056.051
 ELEV 706.10



CONTROL POINT #1
 N.T.S.
 SET MAG NAIL
 STA. 19+14.51', 40.81' RT.
 N 1940468.590
 E 995357.326
 ELEV 705.58

FILE NAME = \$FILEL\$



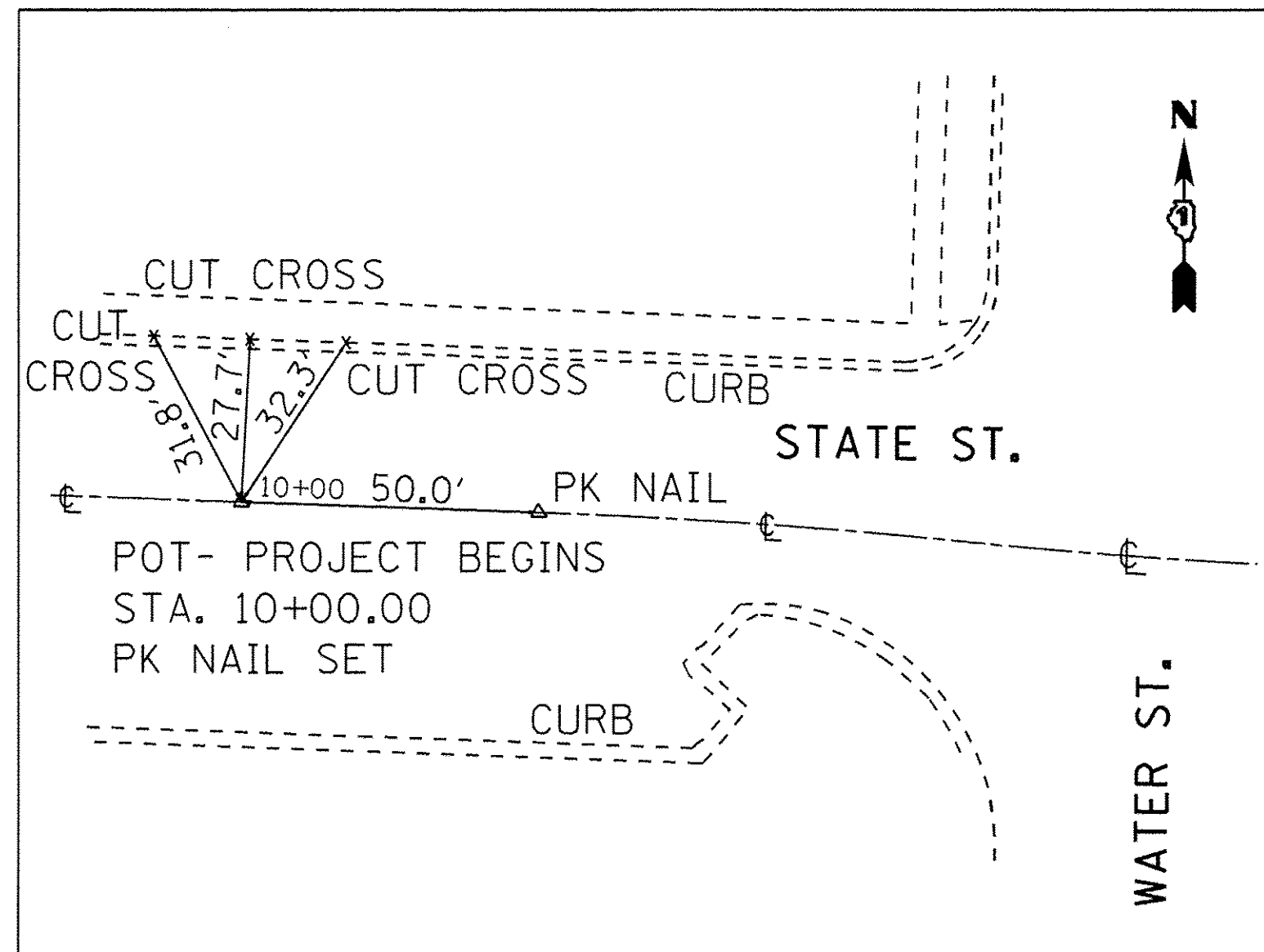
USER NAME = Michal.Mieczek	DESIGNED JBR	REVISED -
PLOT SCALE = 30,0000' / 1" =	DRAWN AJV	REVISED -
PLOT DATE = 11/10/2016	CHECKED ITY	REVISED -
	DATE 11/10/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**STATE STREET BRIDGE ENHANCEMENT PROJECT
 ALIGNMENT, TIES AND BENCHMARKS**

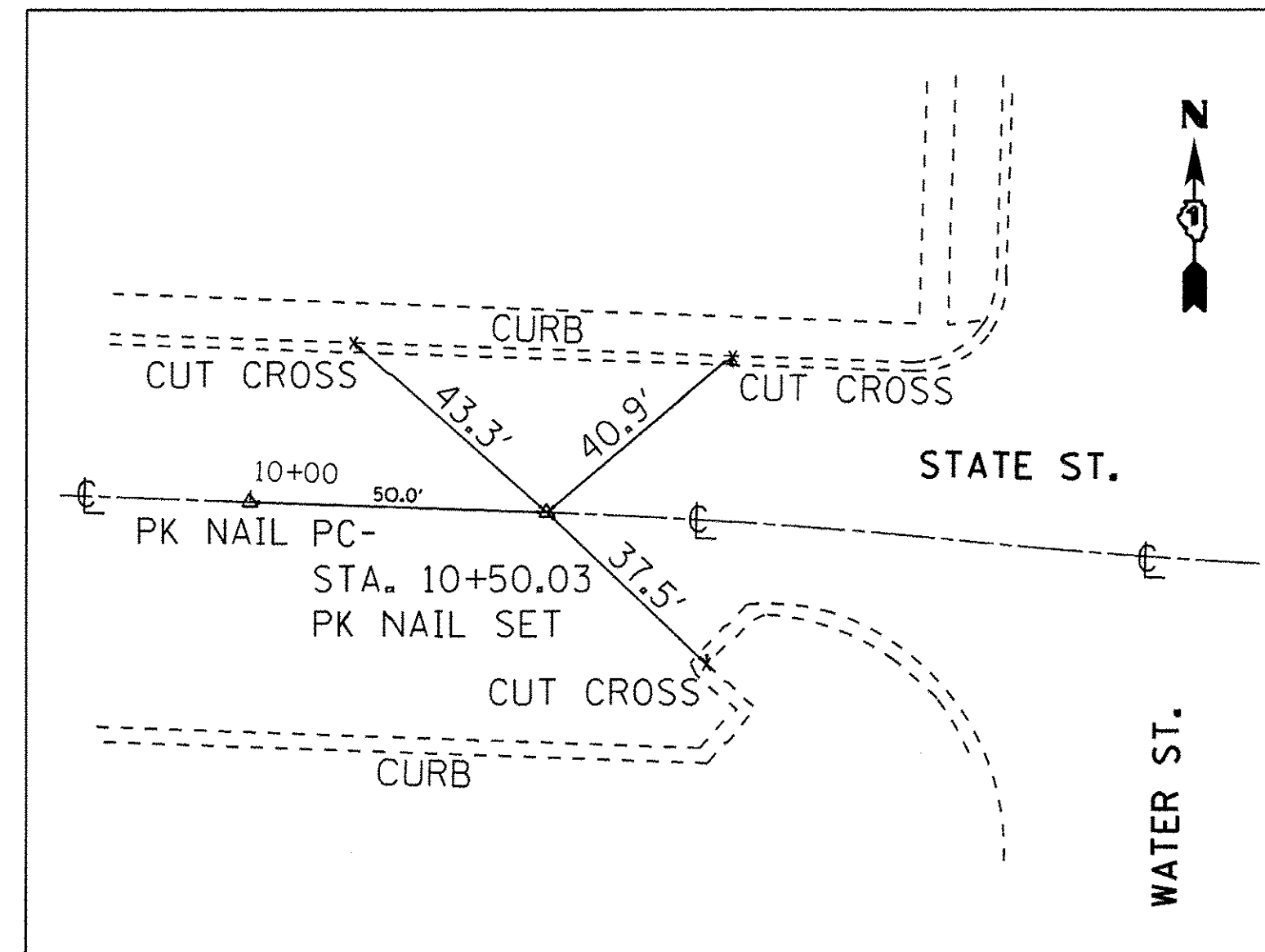
SCALE: 1" = 30' SHEET NO. 1 OF 2 SHEETS STA. 11+22.15 TO STA. 18+57.27

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 8
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



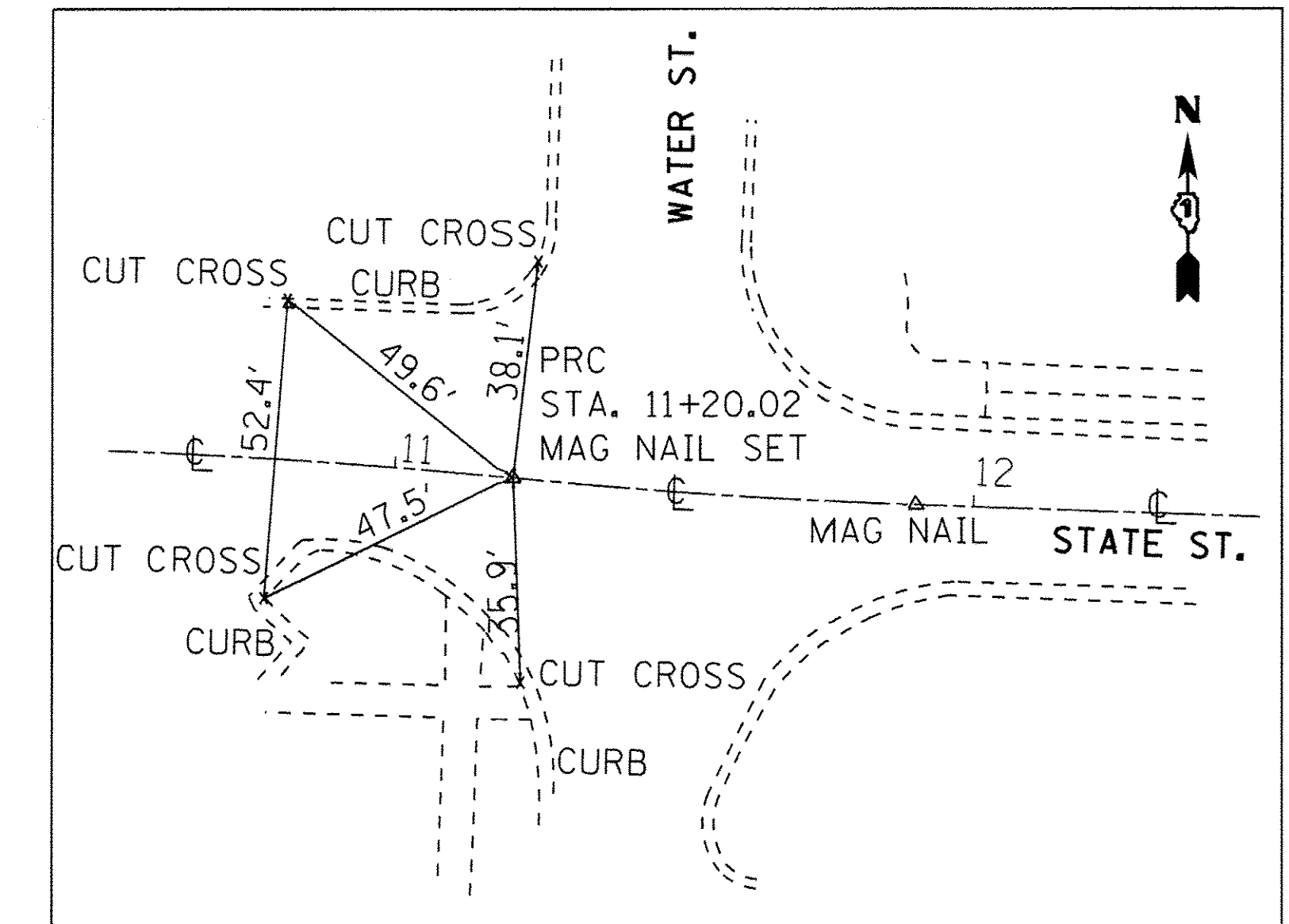
**STA. 10+00
STATE ST.
PROJECT BEGINS**

N.T.S.
SET PK NAIL
N 1940514.249
E 994350.670



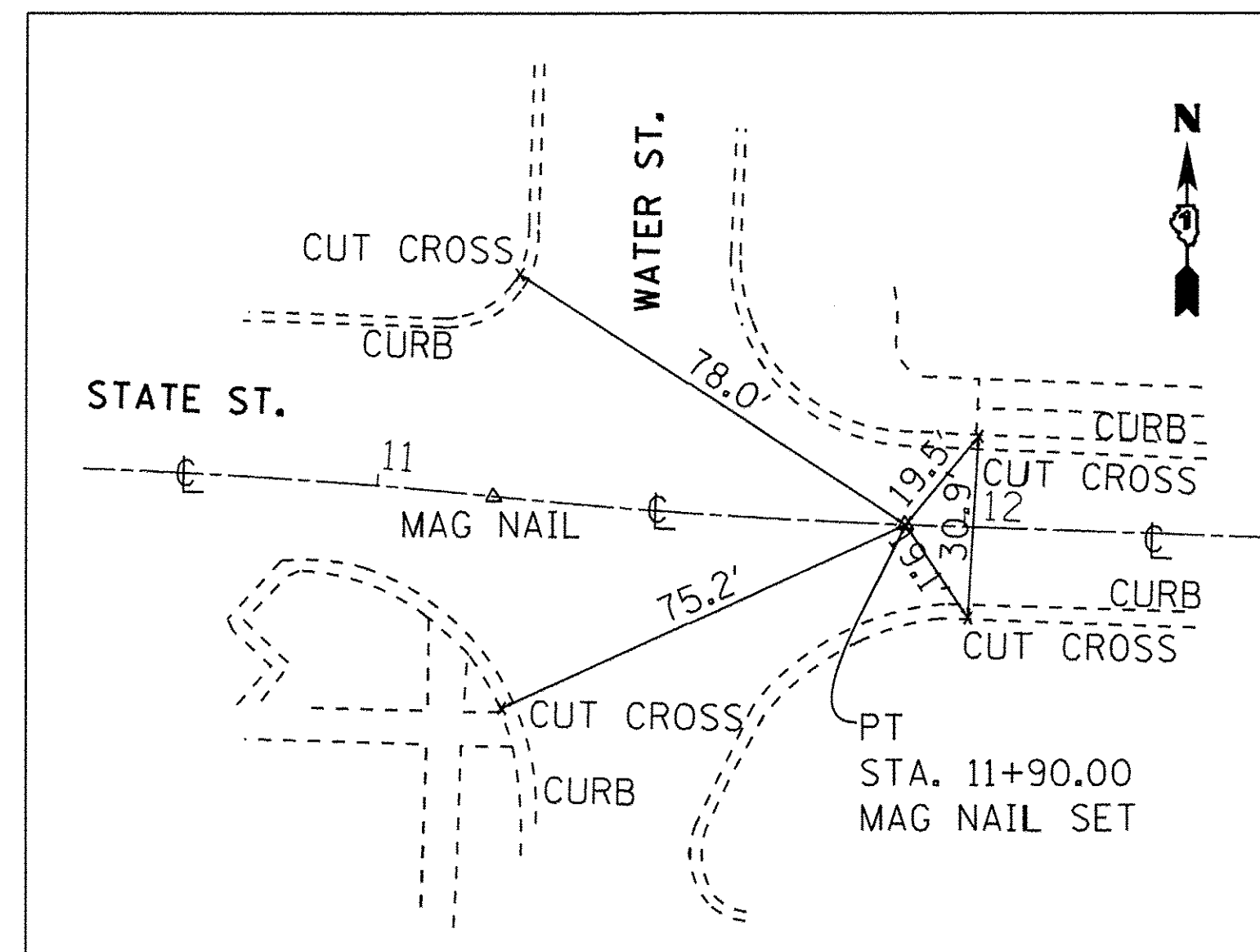
**STA. 10+50.03
PC - STATE ST.**

N.T.S.
SET PK NAIL
N 1940514.232
E 994400.727



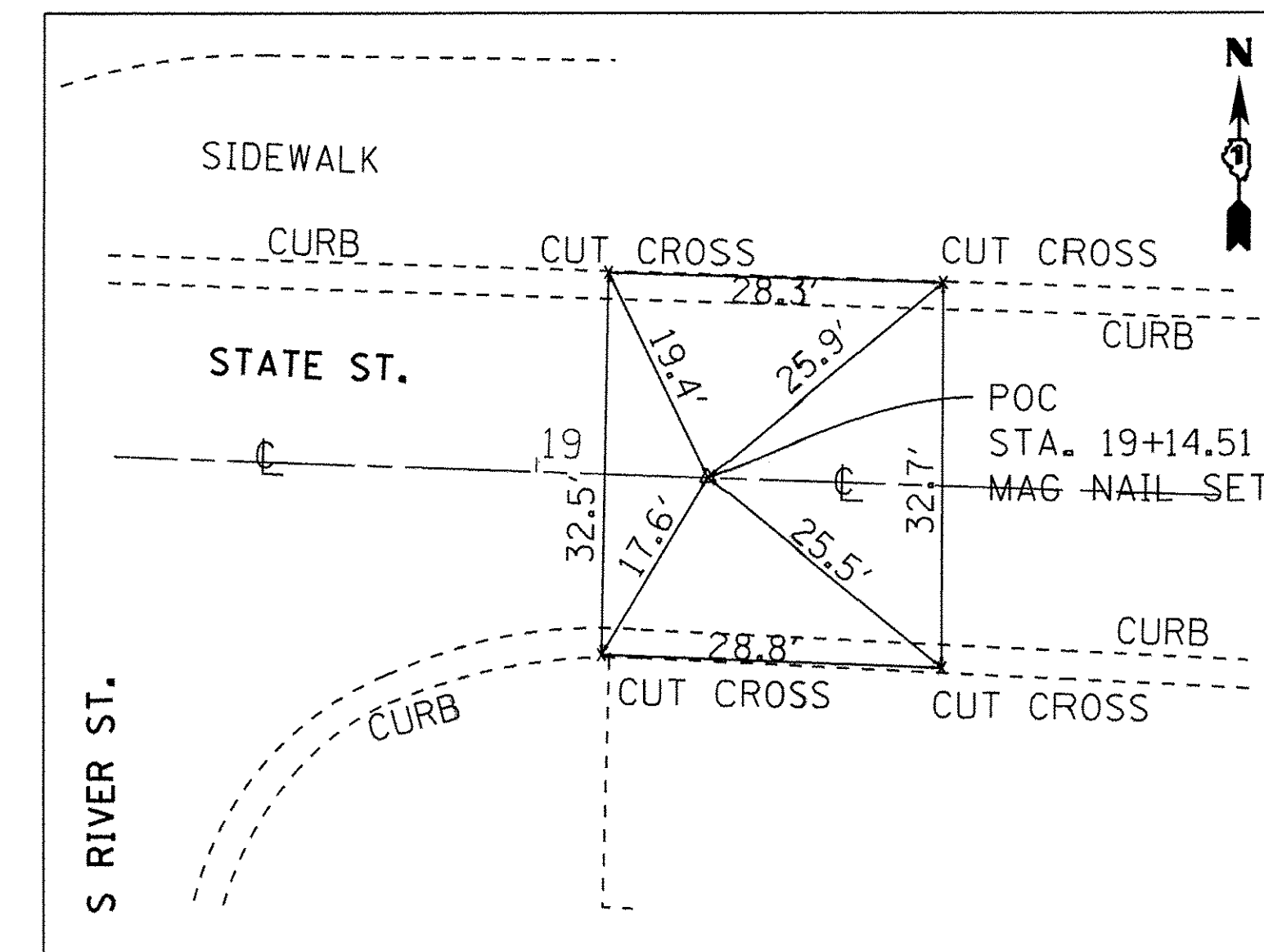
**STA. 11+20.02
PRC - STATE ST.**

N.T.S.
SET MAG NAIL
N 1940511.924
E 994470.664



**STA. 11+90.00
PT - STATE ST.**

N.T.S.
SET MAG NAIL
N 1940509.665
E 994540.579



**STA. 19+14.51
POT - STATE ST.
PROJECT ENDS**

N.T.S.
SET MAG NAIL
N 1940509.441
E 995265.108

FILE NAME = \$FILEL\$

Michael Baker INTERNATIONAL	USER NAME = Mchael.Miozek	DESIGNED <i>JBR</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STATE STREET BRIDGE ENHANCEMENT PROJECT ALIGNMENT, TIES, AND BENCHMARKS			F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 9
	PLOT SCALE = 1:8000 1" = 100'	CHECKED <i>ITY</i>	REVISED -		SCALE: N.T.S.	SHEET NO. 2 OF 2 SHEETS	STA. N/A TO STA. N/A	JOB NO. C-91-286-13		CONTRACT NO. 61C17		
PLOT DATE = 11/10/2016	DATE <i>11/10/2016</i>	REVISED -				FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT				

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

BORING LOG BSB-01
 WEI Job No.: 707-19-01
 Client: Michael Baker Jr., Inc.
 Project: State Street Bridge over the Fox River
 Location: South Elgin, IL

Datum: NAVD88
 Elevation: 705.35 ft
 North: 1940518.05 ft
 East: 995061.72 ft
 Station:
 Offset:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
724.9	16-inch thick ASPHALT -PAVEMENT-						693.4	-AUGER REFUSAL, 21.9 feet-	9	5	50.5	1.39	14
	Loose to Very dense, dark brown SILTY LOAM, some gravel		1	14	NP	10		Boring terminated at 21.92 ft					
	-dry-												
	-FILL-												
	-dry-												
			2	5	NP	7							
				3									
				3									
699.8	Loose, brown GRAVEL		3	2	NP								
	-dry-			4									
				3									
697.3	Loose, brown SANDY LOAM, trace gravel		4	3	NP	12							
	-dry-			3									
				2									
694.8	Soft, dark brown SILTY CLAY, trace organic matter		5	1		39							
				2									
				1									
692.3	Loose, brown, coarse SAND and GRAVEL		6	4	NP	14							
	-wet-			5									
				4									
				4									
689.8	Stiff to very stiff, brown SILTY CLAY LOAM, little gravel		7	3		15							
				4									
				4									
				9									
				9									

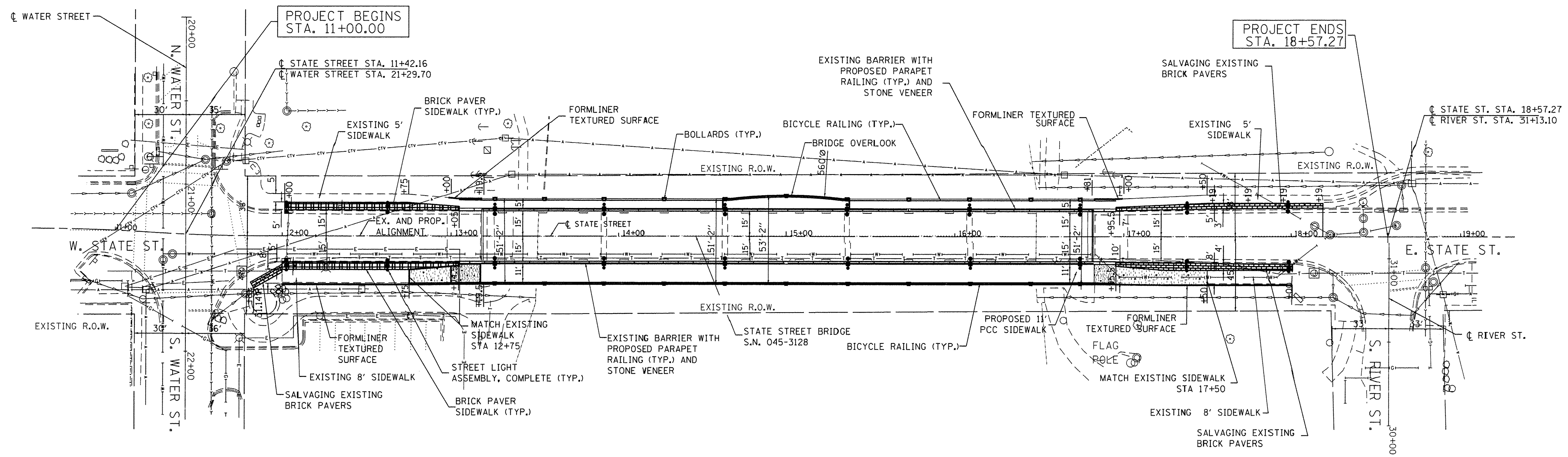
GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	02-28-2014	Complete Drilling	02-28-2014
Drilling Contractor	Wang Testing Service	Drill Rig	Mobile B-57
Driller	P&P	Logger	D. Kolpacki
Checked by	C. Davis	Time After Drilling	NA
Drilling Method	3.25" HSA, 140 lb. autohammer, boring backfilled upon completion	Depth to Water	NA

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





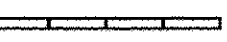
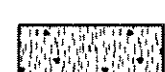
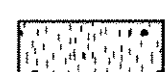
BORING LOG BSB-02
 WEI Job No.: 707-19-01
 Client: Michael Baker Jr., Inc.
 Project: State Street Bridge over the Fox River
 Location: South Elgin, IL

Datum: NAVD88
 Elevation: 696.24 ft
 North: 1940454.02 ft
 East: 994639.65 ft
 Station:
 Offset:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
695.6	8-inch thick ASPHALT -PAVEMENT-						674.7						
	4-inch thick, coarse SAND and GRAVEL		1	2	NP	41		Boring terminated at 21.50 ft					
	-AGGREGATE BASE-			3									
	Medium dense, black SILTY LOAM, trace gravel and organic matter		2	6	NP	40							
	-wet-			8									
				5									
690.7	Very dense, brown GRAVEL		3	3	NP	9							
	-trace clay infilling-			5									
	-dry-			3									
686.2	Very dense, light brown DOLOSTONE fragments		4	20	NP	15							
				5									
				24									
				5									
681.2	Very poor quality, light brown, intensely fractured DOLOSTONE		5	24	NP	10							
				5									
				24									
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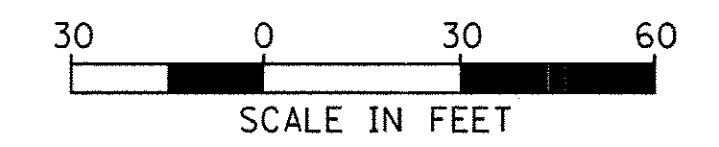


LEGEND

-  SALVAGING EXISTING BRICK PAVERS
-  BRICK PAVER SIDEWALK
-  STREET LIGHT ASSEMBLY
-  BOLLARDS
-  EXISTING BARRIER WITH PROPOSED PARAPET RAILING AND STONE VENEER
-  PROPOSED 6" CONCRETE SIDEWALK
-  PROPOSED 4" CONCRETE SIDEWALK

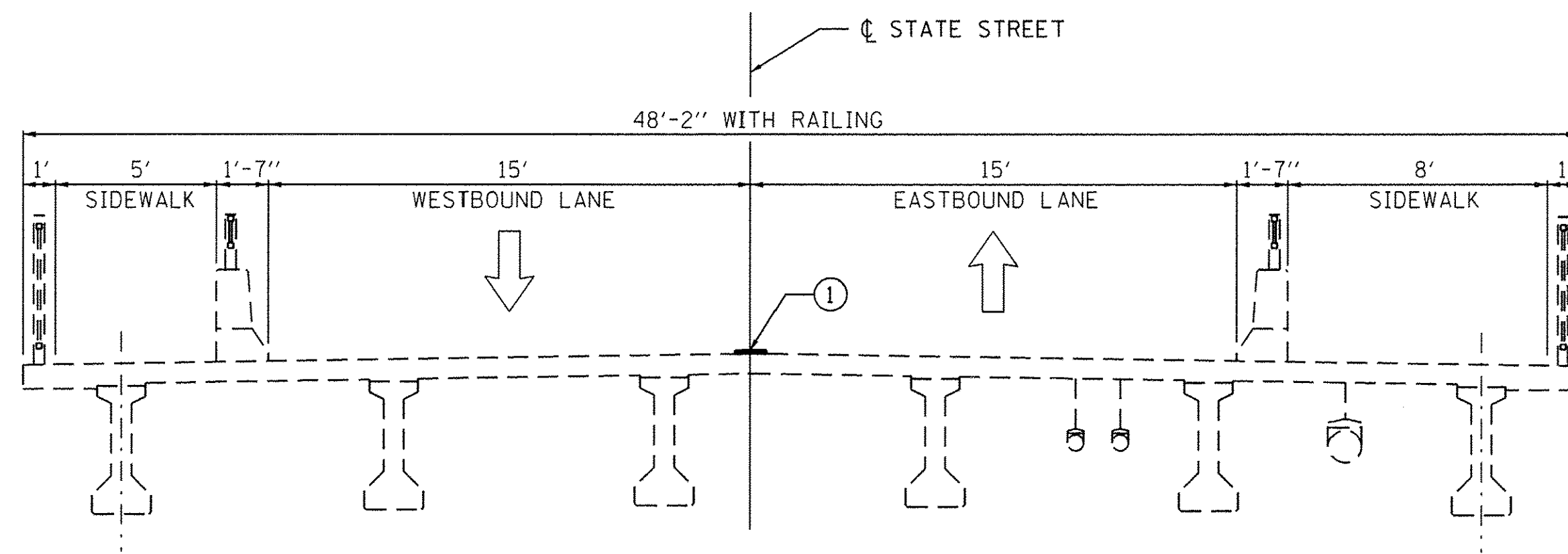
NOTES

1. NO WORK WILL BE DONE ON THE EXISTING ROADWAY. REFER TO THE EXISTING CONDITIONS PLAN FOR EXISTING PROFILE INFORMATION.
2. REFER TO STRUCTURAL PLANS FOR BRIDGE DETAILS.
3. REFER TO ELECTRICAL PLANS FOR LIGHTING LAYOUT AND DETAILS.
4. REFER TO ROADWAY GRADING DETAIL FOR MORE INFORMATION.

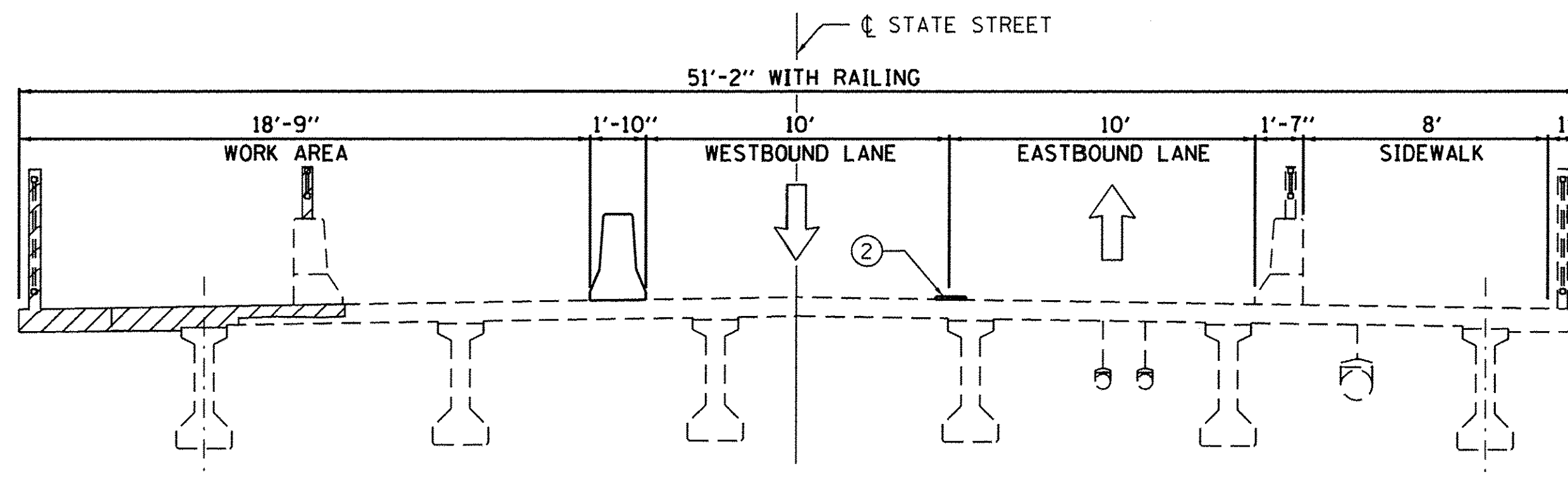


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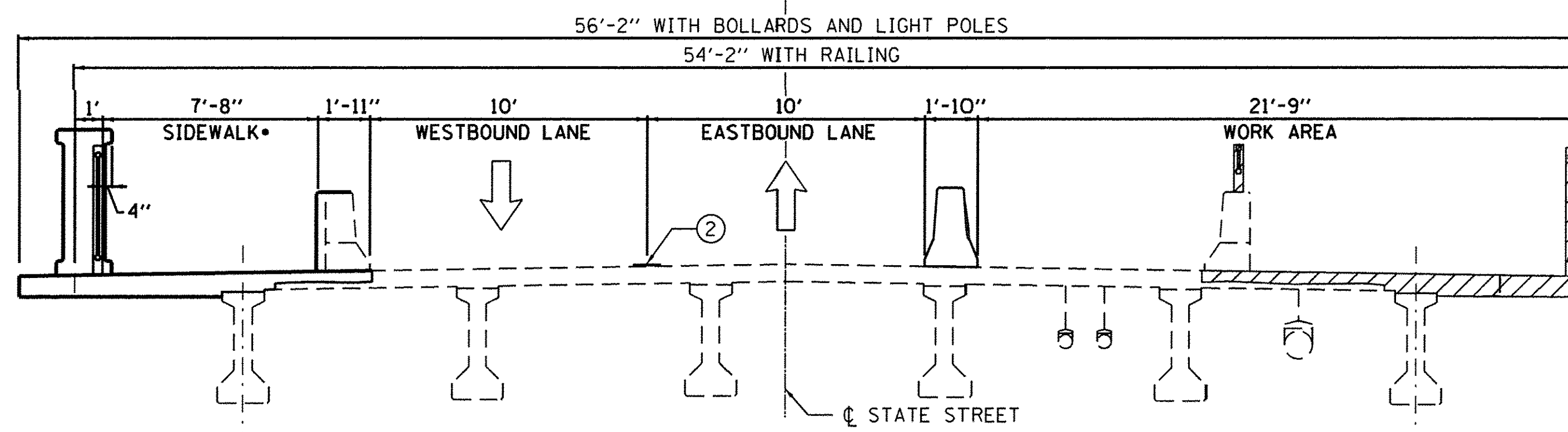
Michael Baker INTERNATIONAL	USER NAME = MichalMiczek	DESIGNED <i>JBR</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STATE STREET BRIDGE ENHANCEMENT PROJECT PROPOSED PLAN	F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 12
	PLOT SCALE = 30,0000' / 1" =	DRAWN <i>AJV</i>	REVISED -			JOB NO. C-91-286-13	CONTRACT NO. 61C17			
	PLOT DATE = 11/10/2016	CHECKED <i>ITY</i>	REVISED -			SCALE: 1' = 30'	SHEET NO. 1 OF 1 SHEETS	STA. 11+22.15 TO STA. 18+57.27	FED. ROAD DIST. NO. 1 [ILLINOIS]	FED. AID PROJECT
	DATE 11/10/2016	REVISED -								



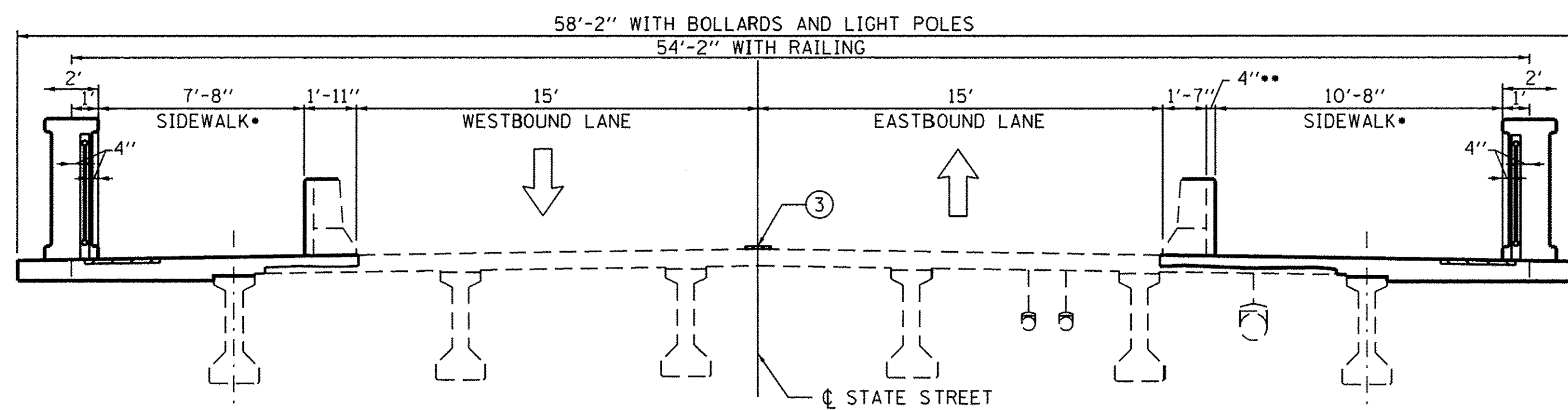
EXISTING TYPICAL SECTION



STAGE I TYPICAL SECTION




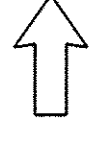
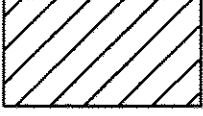
STAGE II TYPICAL SECTION



PROPOSED TYPICAL SECTION

- AT SECTIONS WHERE ONLY RAILING IS PROPOSED, THE SIDEWALKS ARE 8'-0" ON THE NORTH SIDE AND 11'-0" ON THE SOUTH SIDE OF THE BRIDGE.
- 4" ADDITIONAL CONCRETE FOR LIGHT POLE FOUNDATION

LEGEND

-  TEMPORARY CONCRETE BARRIER
-  TRAFFIC FLOW DIRECTION
-  REMOVAL
- ① EXISTING PAVEMENT MARKING
- ② TEMPORARY PAVEMENT MARKING LINE - 4" DOUBLE YELLOW
- ③ PROPOSED PAVEMENT MARKING

MAINTENANCE OF TRAFFIC NOTES

1. THE CONTRACTOR MUST MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION AT ALL TIMES WITH MINIMUM LANE WIDTHS AS SHOWN ON THIS SHEET AND THE MAINTENANCE OF TRAFFIC PLAN.
2. THE CONTRACTOR IS REQUIRED TO NOTIFY THE ENGINEER OF ANY DAMAGE TO TRAFFIC CONTROL DEVICES.
3. PORTLAND CEMENT CONCRETE PAVEMENT SHALL NOT BE OPEN TO PEDESTRIAN TRAFFIC UNTIL AFTER THE SPECIFIED CURING PERIOD AS DEFINED IN ARTICLE 701.17(C)(5) OF THE "STANDARD SPECIFICATIONS" AND UNTIL THE JOINTS HAVE BEEN SEALED.
4. ACCESS TO EXISTING CROSS ROADS AND DRIVES MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
5. ADEQUATE PROVISIONS FOR PEDESTRIAN TRAFFIC MUST BE PROVIDED AT ALL TIMES.
6. SEE MAINTENANCE OF TRAFFIC PLAN FOR ADDITIONAL NOTES.
7. REFER TO STRUCTURAL STAGE CONSTRUCTION AND REMOVAL SEQUENCE PLAN FOR A DETAILED SEQUENCE OF CONSTRUCTION.
8. BEFORE ANY CONSTRUCTION ACTIVITIES ARE STARTED ALL NECESSARY TEMPORARY TRAFFIC CONTROL SIGNS AND MARKINGS SHALL BE IN PLACE. ALL CONFLICTING SIGNS SHALL BE COVERED.
9. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED.
10. SIGN LAYOUT AND SPACING SHALL BE IN ACCORDANCE WITH THE CURRENT IDOT STANDARD DRAWINGS AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES." SEE HIGHWAY STANDARDS FOR ADDITIONAL INFORMATION.
11. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
12. ALL EXISTING TRAFFIC SIGNS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.

SEQUENCE OF CONSTRUCTION

1. REMOVE EXISTING MARKINGS AND INSTALL TEMPORARY MARKINGS AND TEMPORARY CONCRETE BARRICADES TO PROVIDE 18'-9" OF WORK AREA ON THE NORTH SIDE OF THE BRIDGE AND 10' LANES OF TRAFFIC AS SHOWN IN THE STAGE I TYPICAL SECTION ON THIS SHEET.
2. CONSTRUCT SIDEWALK EXPANSION ON THE NORTH SIDE OF THE BRIDGE.
3. REMOVE TEMPORARY MARKINGS INSTALLED IN STAGE I AND INSTALL TEMPORARY MARKINGS AND TEMPORARY CONCRETE BARRICADES TO PROVIDE 21'-9" OF WORK AREA ON THE SOUTH SIDE OF THE BRIDGE AND 10' LANES OF TRAFFIC AS SHOWN IN THE STAGE II TYPICAL SECTION ON THIS SHEET.
4. CONSTRUCT SIDEWALK EXPANSION ON THE SOUTH SIDE OF THE BRIDGE.
5. REMOVE TEMPORARY MARKINGS AND TEMPORARY CONCRETE BARRICADES AND INSTALL FINAL PROPOSED MARKINGS AS SHOWN ON THE PLANS AND RE-ESTABLISH ORIGINAL TRAFFIC PATTERN WITH 15' LANES OF EASTBOUND AND WESTBOUND TRAFFIC.

FILE NAME = H:\13817 State St. Bridge Enhancements\3.0 deliverables\3.2 cadd Sheets\13 13817-MOT sections.dgn

Michael Baker INTERNATIONAL

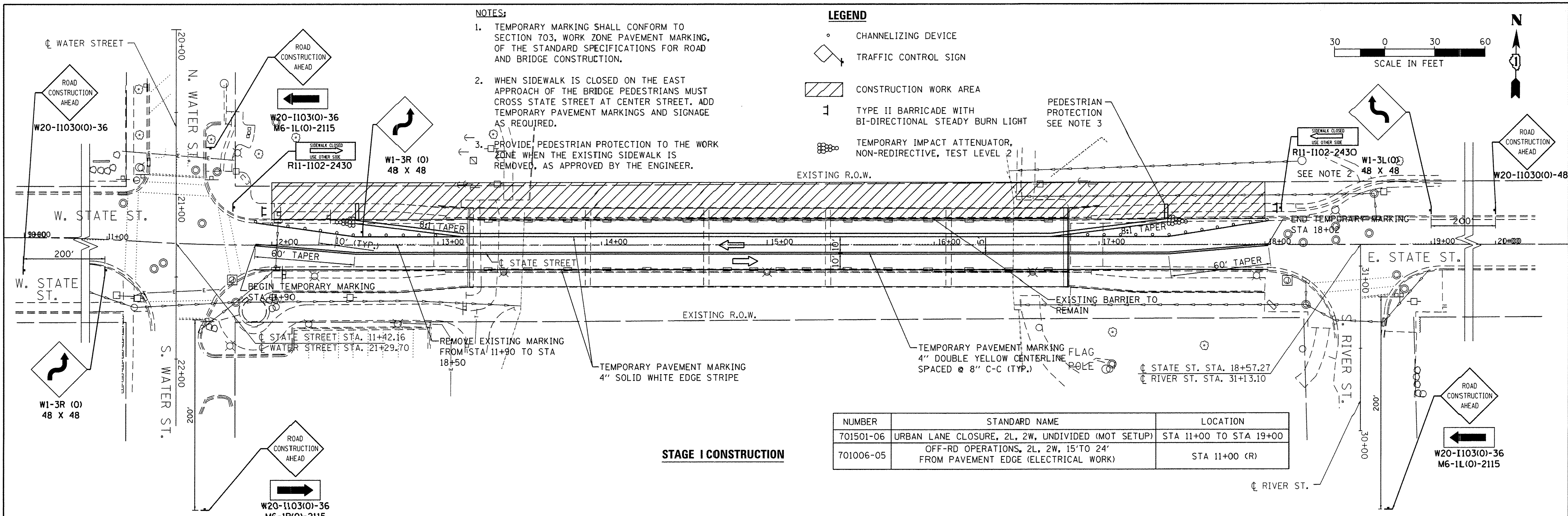
USER NAME = Michel.Miczek	DESIGNED JBR	REVISED -
PLOT SCALE = 4,0000' / in.	DRAWN WME	REVISED -
PLOT DATE = 11/10/2016	CHECKED ITY	REVISED -
	DATE 11/10/2016	REVISED -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

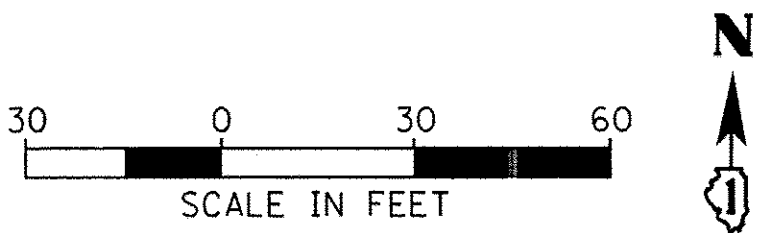
**STATE STREET BRIDGE ENHANCEMENT PROJECT
MAINTENANCE OF TRAFFIC**

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 13
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
SCALE: N.T.S.		SHEET NO. 1 OF 3 SHEETS		STA. N/A TO STA. N/A
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



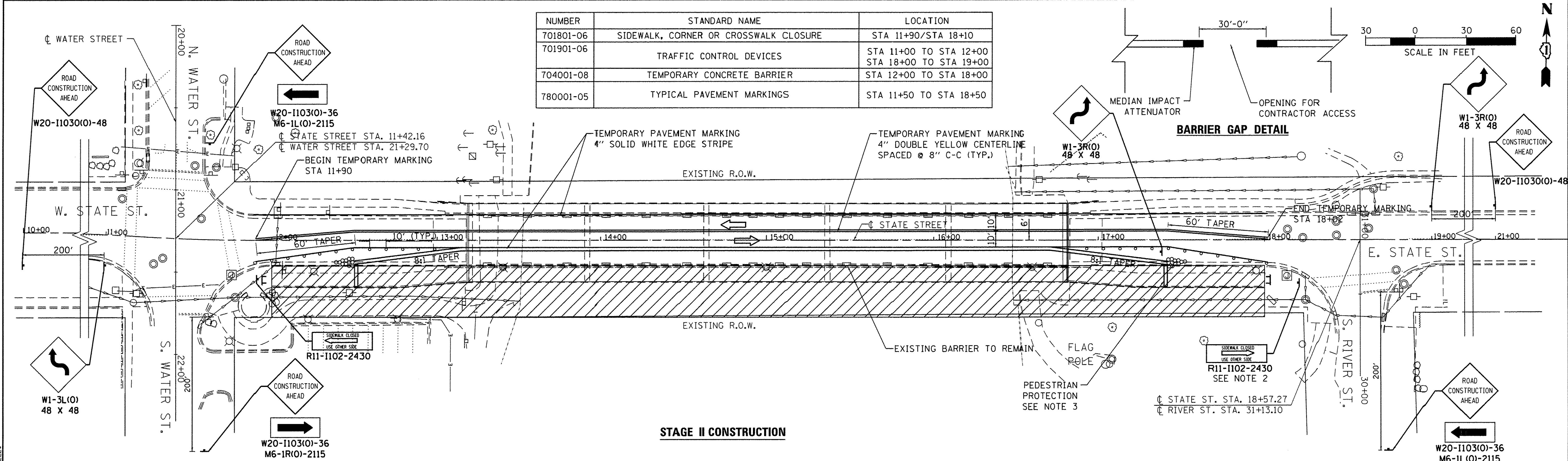
- NOTES:**
1. TEMPORARY MARKING SHALL CONFORM TO SECTION 703, WORK ZONE PAVEMENT MARKING, OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 2. WHEN SIDEWALK IS CLOSED ON THE EAST APPROACH OF THE BRIDGE PEDESTRIANS MUST CROSS STATE STREET AT CENTER STREET. ADD TEMPORARY PAVEMENT MARKINGS AND SIGNAGE AS REQUIRED.
 3. PROVIDE PEDESTRIAN PROTECTION TO THE WORK ZONE WHEN THE EXISTING SIDEWALK IS REMOVED, AS APPROVED BY THE ENGINEER.

- LEGEND**
- CHANNELIZING DEVICE
 - ◻ TRAFFIC CONTROL SIGN
 - ▨ CONSTRUCTION WORK AREA
 - ⊥ TYPE II BARRICADE WITH BI-DIRECTIONAL STEADY BURN LIGHT
 - ⊙ TEMPORARY IMPACT ATTENUATOR, NON-REDIRECTIVE, TEST LEVEL 2



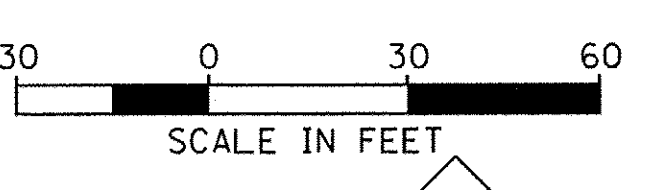
NUMBER	STANDARD NAME	LOCATION
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED (MOT SETUP)	STA 11+00 TO STA 19+00
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE (ELECTRICAL WORK)	STA 11+00 (R)

STAGE I CONSTRUCTION




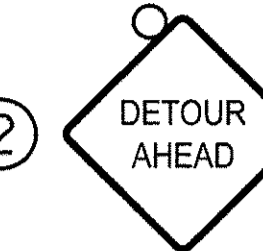
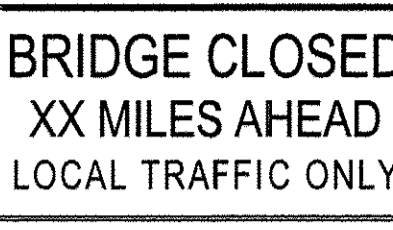











NUMBER	STANDARD NAME	LOCATION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE	STA 11+90/STA 18+10
701901-06	TRAFFIC CONTROL DEVICES	STA 11+00 TO STA 12+00 STA 18+00 TO STA 19+00
704001-08	TEMPORARY CONCRETE BARRIER	STA 12+00 TO STA 18+00
780001-05	TYPICAL PAVEMENT MARKINGS	STA 11+50 TO STA 18+50




BARRIER GAP DETAIL

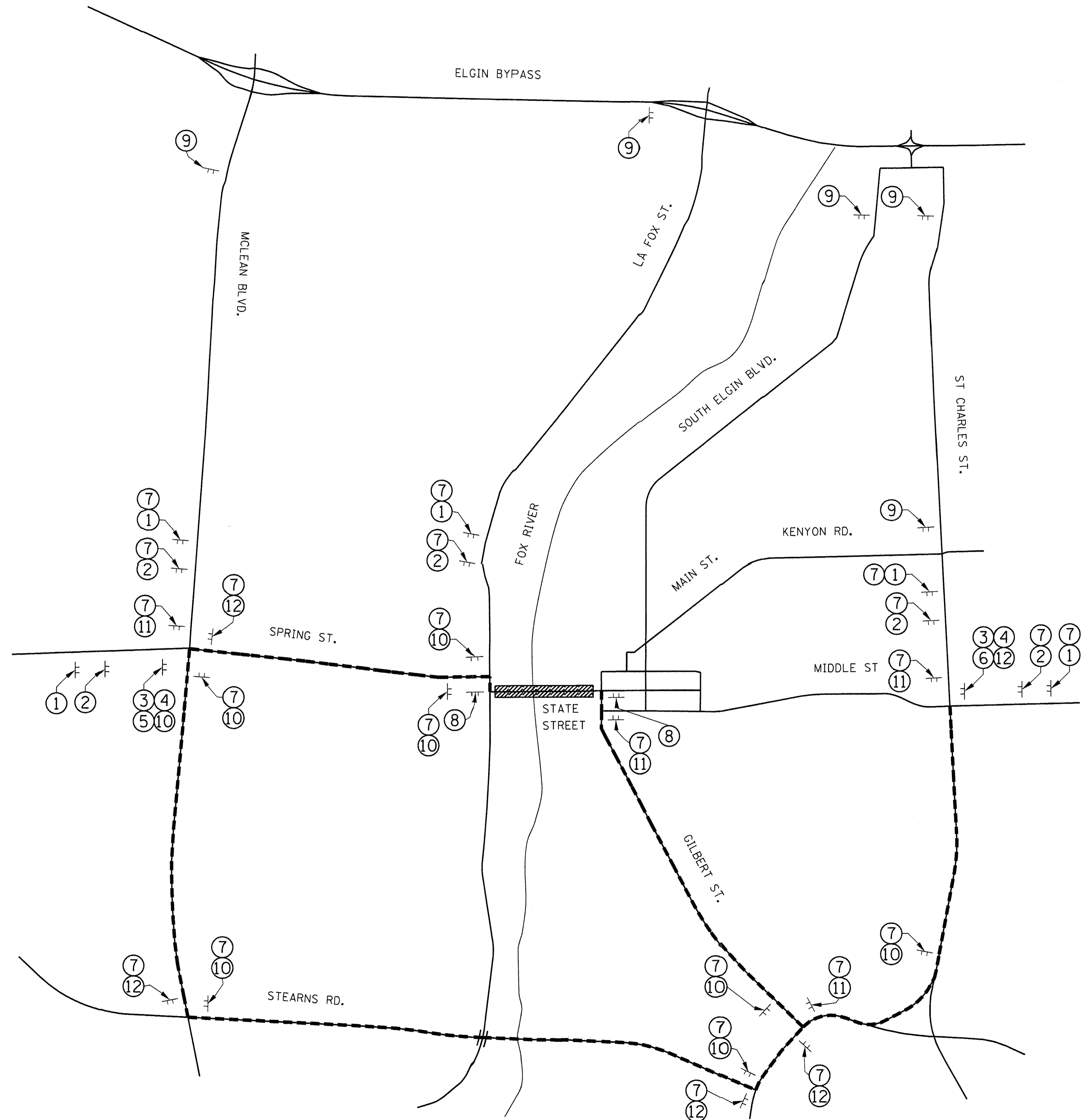




DETOUR LEGEND

①  W20-3-4848	②  W20-2-4848	③  R11-3A-6030 SEE NOTE 1
④ 	⑤  M4-10R-4818	⑥  M4-10L-4818
⑦  M4-9R-3024	⑧  M4-8A-2418	⑨  LOCAL TRAFFIC ONLY
⑩ 	⑪  M4-9-3024	⑫  M4-9L-3024
⑬  LEGEND 2412	⑭  M3-2-2412	

 STATE STREET DETOUR
 CONSTRUCTION SIGN
 CONSTRUCTION ZONE



FILE NAME = 9F1E1E18

Michael Baker INTERNATIONAL

USER NAME = Michel.Miczek	DESIGNED JBR	REVISED -
DRAWN AJV	REVISOR -	
CHECKED ITY	REVISOR -	
DATE 11/10/2016	REVISOR -	

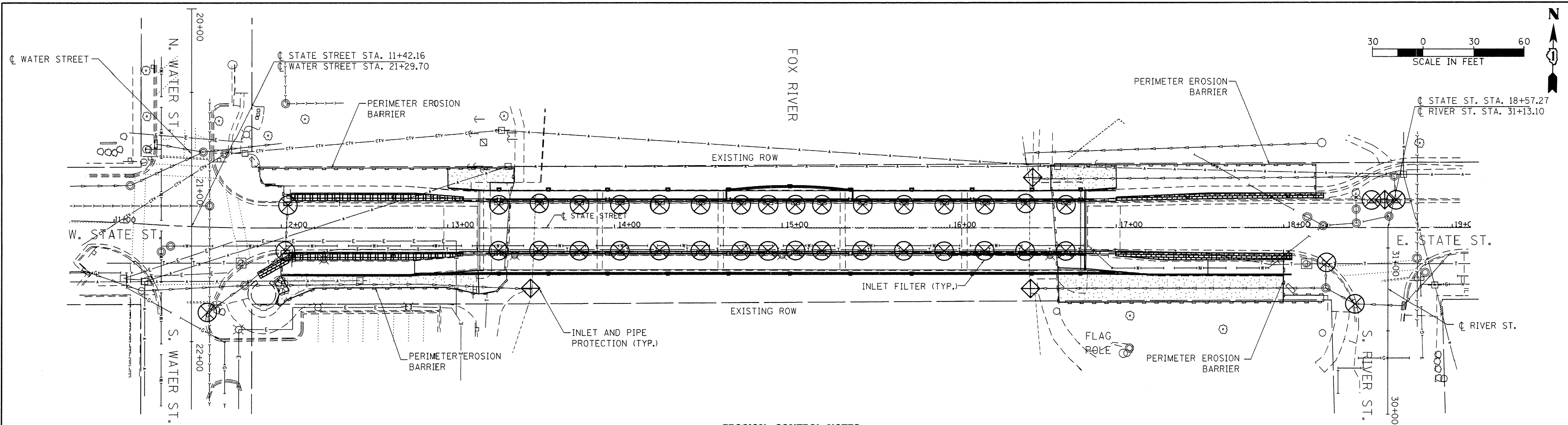
DATE 11/10/2016	REVISOR -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STATE STREET BRIDGE ENHANCEMENT PROJECT
REGIONAL DETOUR PLAN**

SCALE: N.T.S. SHEET NO. 3 OF 3 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 15
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



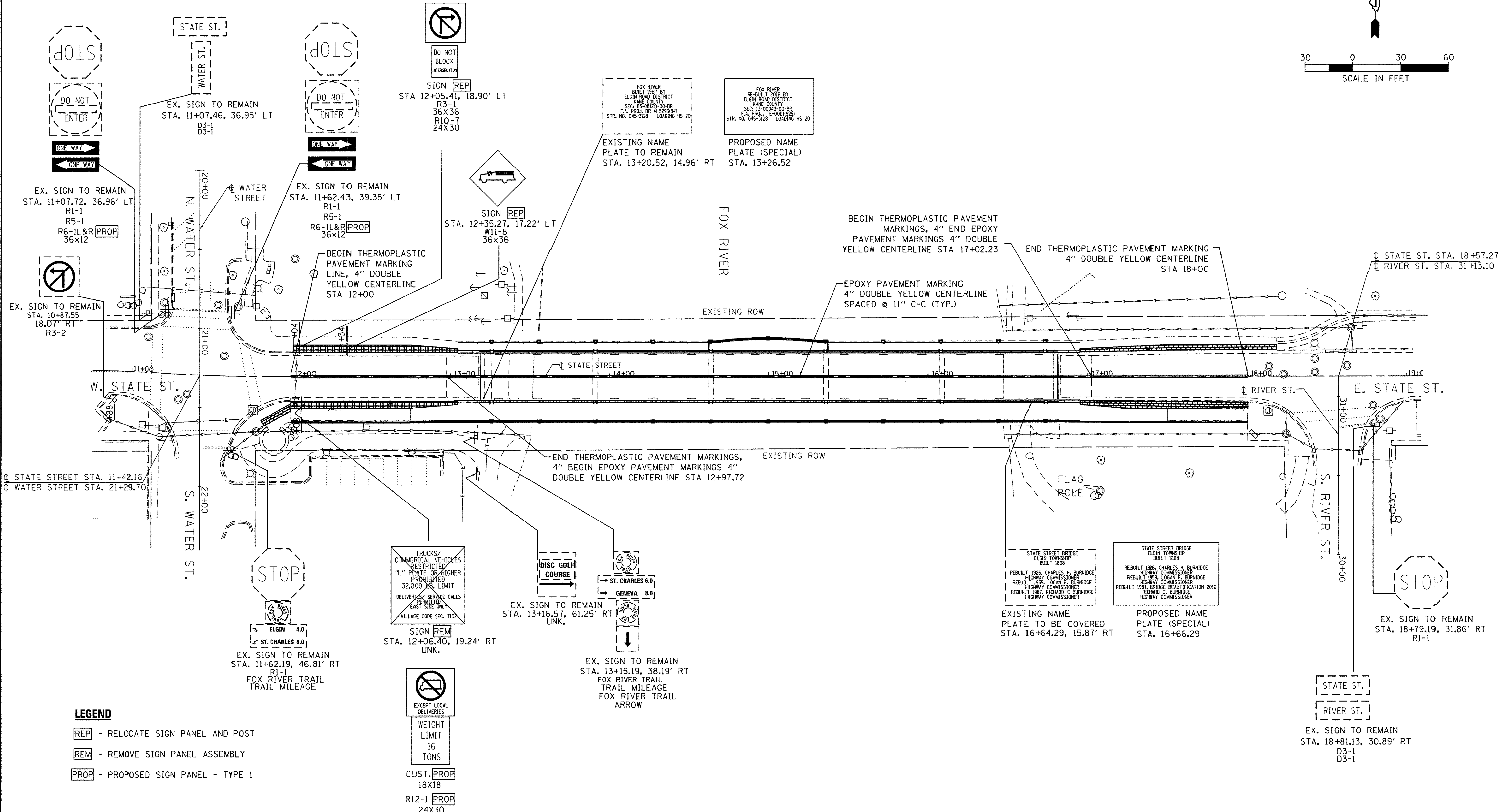
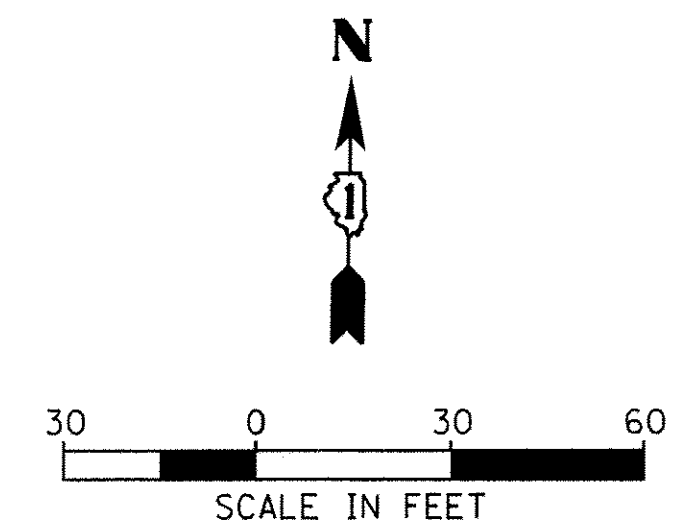
EROSION CONTROL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE KANE COUNTY STORMWATER AND FLOODPLAIN ORDINANCE, AND ALL SUBSEQUENT REVISIONS. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSTALLED PER IDOT STANDARD 280001 OR AS SPECIFIED HEREIN AND PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.
2. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
3. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 1 WORKING DAY OF PERMANENT OR TEMPORARY CESSATION OF EARTH DISTURBING ACTIVITIES AND SHALL BE COMPLETED AS SOON AS POSSIBLE BUT NO LATER THAN 14 DAYS FROM THE INITIATION OF STABILIZATION WORK IN AN AREA. EXCEPTIONS TO THESE TIME FRAMES ARE SPECIFIED AS FOLLOWS: WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE; ON AREAS WHERE CONSTRUCTION ACTIVITY CEASED AND WILL RESUME AFTER 14 DAYS, A TEMPORARY STABILIZATION METHOD CAN BE USED. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.
4. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED. SOIL STOCKPILES MUST NOT BE LOCATED WITHIN ANY SPECIAL MANAGEMENT AREAS. MINOR TEMPORARY STOCKPILING OF MATERIALS OR FILLS WITHIN THE FLOODPLAIN MAY BE ALLOWED IF NECESSARY. THE VILLAGE OF SOUTH ELGIN AND THE ENGINEER SHALL APPROVE LIMITS ON THE DURATION AND WHERE THE TEMPORARY STOCKPILING CAN TAKE PLACE.
5. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT THE FOX RIVER AND THE FLOODPLAIN TO REMAIN FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT, OR BY HIS WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF IN THE FOX RIVER OR FLOODPLAIN.
6. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
7. ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE AREAS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AS NEEDED.
8. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL. CONCRETE WASH AREAS SHALL NOT BE LOCATED WITHIN ANY SPECIAL MANAGEMENT AREAS. LOCATION OF WASH AREAS SHALL BE APPROVED BY THE ENGINEER.
9. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
10. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.
11. THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 1/2 INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPLACED OR REPAIRED WITHIN 72 HOURS. EROSION CONTROL SYSTEMS REPLACED DUE TO SEDIMENT LOADING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
12. THE COST OF REPAIRING OR REMOVING SEDIMENT FROM EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR INLET AND PIPE PROTECTION (28000400).
13. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
14. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
15. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUBCONTRACTORS WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTATION AND MAINTAINING THESE EROSION CONTROL PLANS.
16. THE CONSTRUCTION LIMIT WILL BE STAKED/APPROVED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE VEGETATION. NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGES IN THE CONSTRUCTION LIMIT.
17. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOB SITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
18. IN ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND SHALL REMAIN UNDISTURBED. SEED MIX AND/OR TEMPORARY COVER CROP WILL BE SOWN ON ALL DISTURBED AREAS UPON COMPLETION OF THE FINAL GRADING. A 100% BIODEGRADABLE EROSION BLANKET WILL BE INSTALLED TO PREVENT EROSION FOR SEEDED AREAS.
19. ALL INLET AND PIPE PROTECTION SHALL BE PROVIDED AT ALL FLARED END SECTION INFLOW AND OUTFALLS WITHIN THE PROJECT LIMITS.
20. TREE REMOVAL, TREE PROTECTION, OR TREE ROOT PRUNING IS NOT ANTICIPATED FOR THIS PROJECT DUE TO NO ESTABLISHED TREES WITHIN THE CONSTRUCTION LIMITS.
21. TEMPORARY VERTICAL SHIELDING AND CATCHES SHALL BE PROVIDED ON THE STATE STREET BRIDGE TO ELIMINATE DEBRIS IN THE FOX RIVER DURING CONSTRUCTION. ALL TEMPORARY CATCHES SHALL MAINTAIN EXISTING VERTICAL UNDER CLEARANCE. TEMPORARY CATCHES SHALL BE CONTINUOUSLY INSPECTED AND CLEANED ON A DAILY BASIS. ANY DEBRIS SHALL BE IMMEDIATELY REMOVED. THE CONTRACTOR SHALL SUBMIT SIGNED AND SEALED CALCULATIONS AND SHOP DRAWINGS OF THE TEMPORARY VERTICAL SHIELDING TO THE ENGINEER FOR APPROVAL IN ACCORDANCE WITH THE SPECIFICATIONS.
22. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENGINEER.
23. EROSION CONTROL SHEET REFLECTS FINAL LANDSCAPING.
24. PERIMETER EROSION CONTROL BARRIER SHALL BE INSTALLED 1 FOOT FROM RIGHT-OF-WAY.

LEGEND

- EROSION CONTROL BLANKET SEEDING CLASS 2A TOPSOIL EXCAVATION AND PLACEMENT, NEW
- BRICK PAVER SIDEWALK
- INLET AND PIPE PROTECTION
- BOLLARDS
- PERIMETER EROSION BARRIER
- EXISTING BARRIER WITH PROPOSED ORNAMENTAL RAILING AND STONE VENEER
- INLET FILTER
- BRICK PAVER SIDEWALK, SALVAGED

	USER NAME = Michał Mroczek	DESIGNED <i>JBR</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STATE STREET BRIDGE ENHANCEMENT PROJECT EROSION CONTROL PLAN	F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 16
	PLOT SCALE = 30,0000' / in.	DRAWN <i>AJV</i>	REVISED -			SCALE: 1" = 30'	SHEET NO. 1 OF 1 SHEETS	STA. 11+42.16 TO STA. 18+57.27	JOB NO. C-91-286-13	CONTRACT NO. 61C17
	PLOT DATE = 11/10/2016	CHECKED <i>ITY</i>	REVISED -							
		DATE <i>11/10/2016</i>	REVISED -							



- LEGEND**
- REP - RELOCATE SIGN PANEL AND POST
 - REM - REMOVE SIGN PANEL ASSEMBLY
 - PROP - PROPOSED SIGN PANEL - TYPE 1

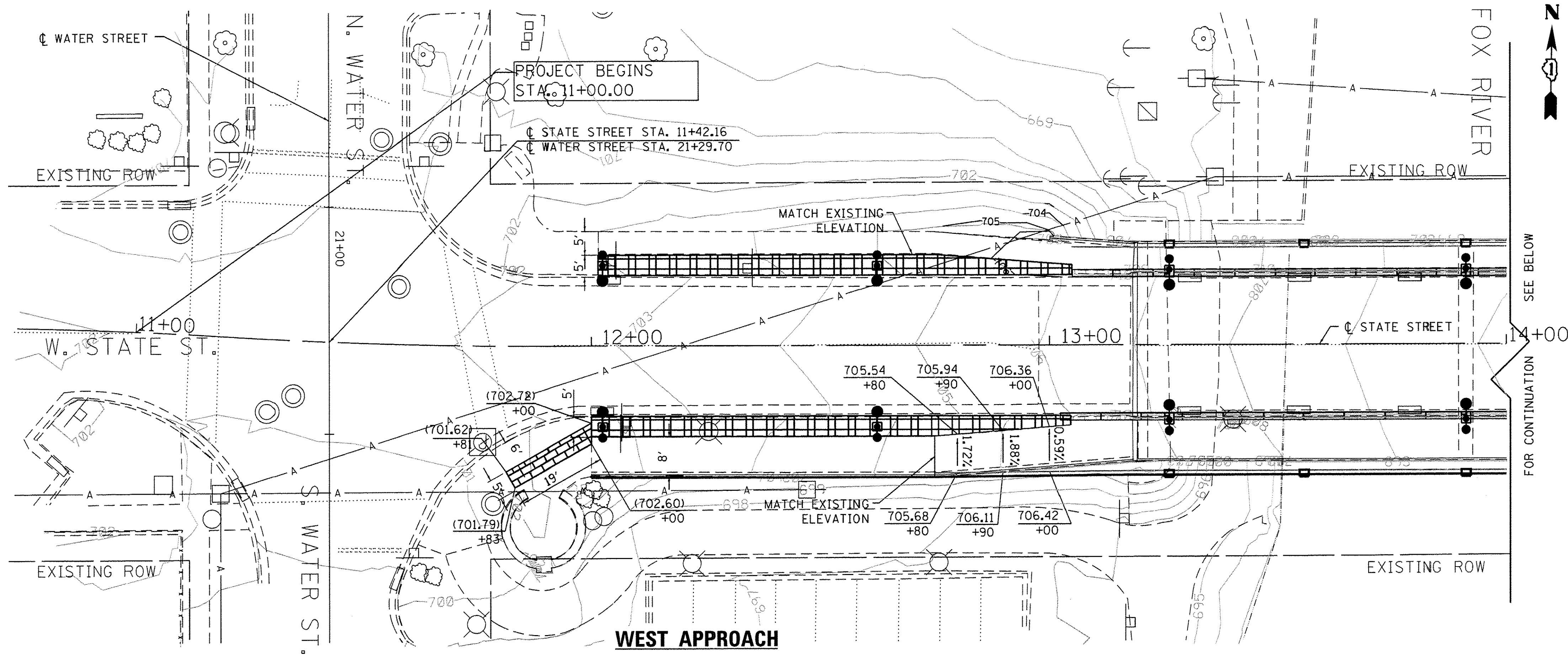
Michael Baker INTERNATIONAL

USER NAME = Michel.Miczek	DESIGNED JBR	REVISED -
PLOT SCALE = 30.0000' / 1" = 30'	DRAWN AJV	REVISED -
PLOT DATE = 11/10/2016	CHECKED ITY	REVISED -
	DATE 11/10/2016	REVISED -

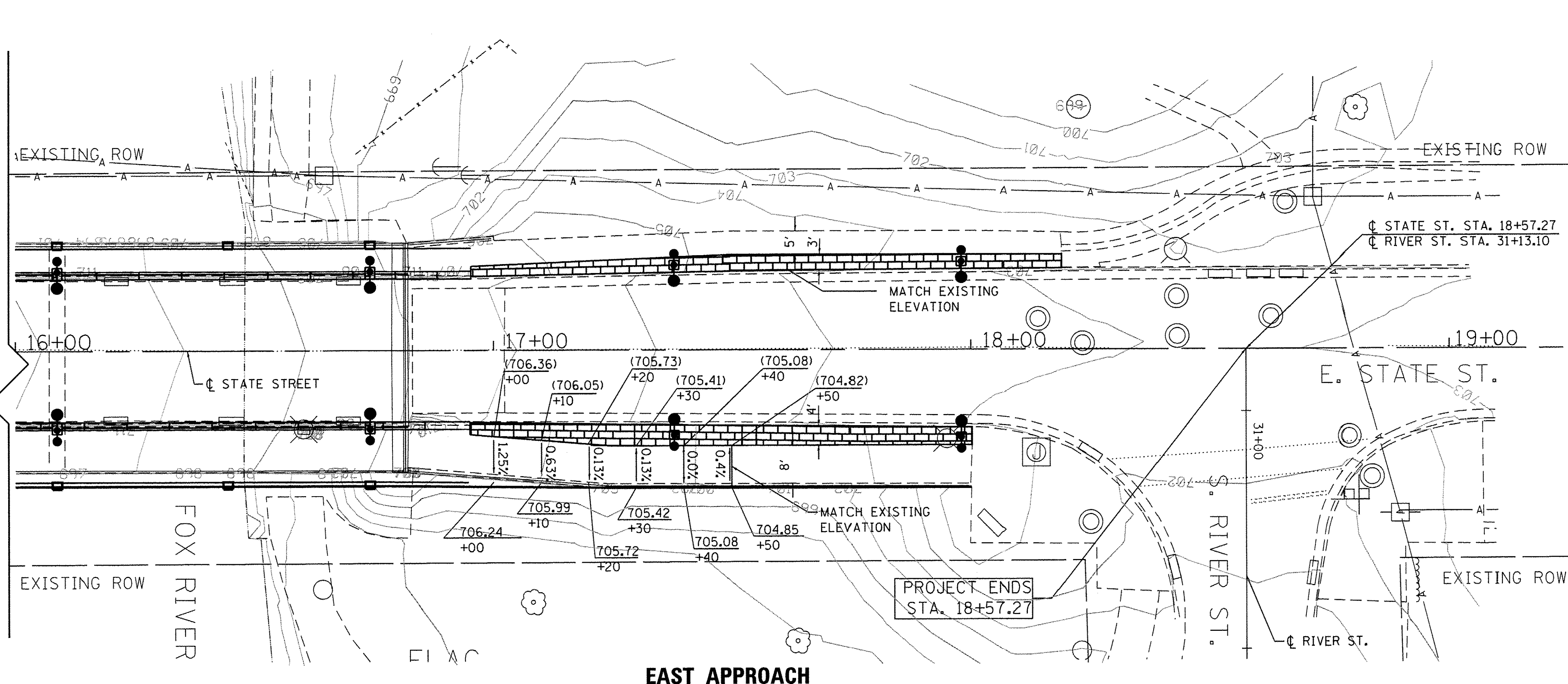
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
SIGNING AND PAVEMENT MARKING PLAN

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 17
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
SCALE: 1" = 30'		SHEET NO. 1 OF 1 SHEETS		STA. 11+42.16 TO STA. 18+57.27
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



WEST APPROACH



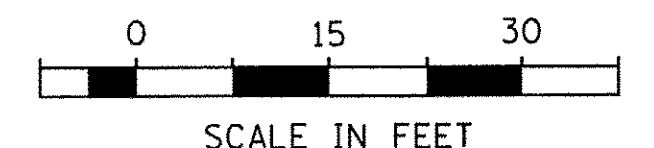
EAST APPROACH

ROADWAY GRADING LEGEND

- EXISTING ELEVATION (XXX.XX)
- STATION +XX
- PROPOSED ELEVATION XXX.XX
- STATION +XX
- FLOWLINE SLOPE X.X%
- EXIST. CONTOURS MAJOR 705
- EXIST. CONTOURS MINOR 706
- PROPOSED CONTOURS 706

NOTES

1. CONTRACTOR SHALL VERIFY EXISTING ELEVATIONS PRIOR TO CONSTRUCTION.
2. THE HIGH POINT IS LOCATED AT STA 15+00. THE LOW POINT IS LOCATED AT STA 11+40 AND 18+40.
3. REFER TO PROPOSED PLAN FOR MORE INFORMATION.
4. REFER TO CROSS SECTIONS FOR SIDEWALK AND PAVER SLOPES.



Michael Baker INTERNATIONAL

USER NAME = Michal.Miczek
 DESIGNED JBR
 DRAWN AJV
 CHECKED ITY
 DATE 11/10/2016

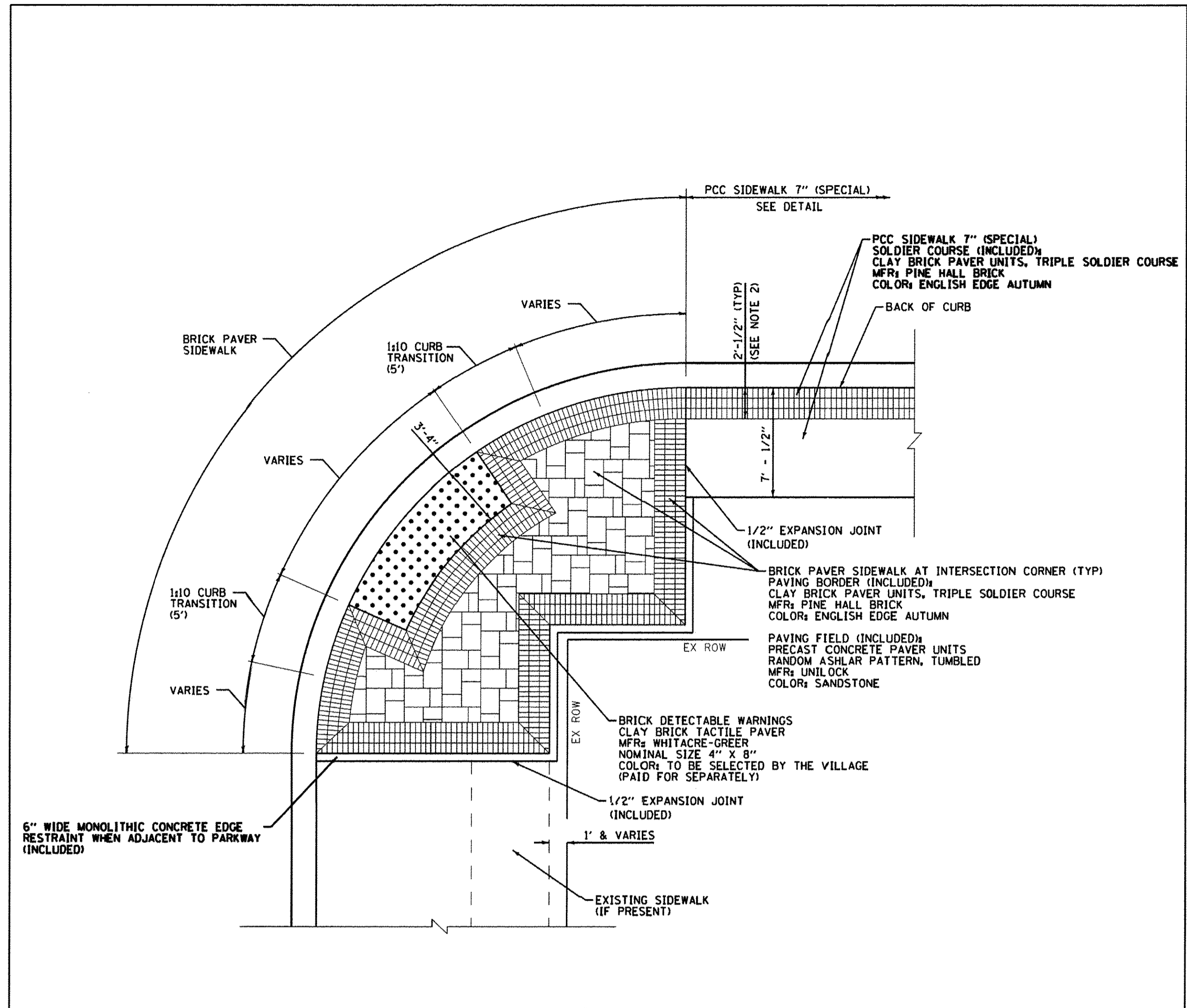
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
 ROADWAY GRADING DETAIL

SCALE: 1" = 15' SHEET NO. 1 OF 1 SHEETS STA. 11+42.16 TO STA. 18+57.27

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 18
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



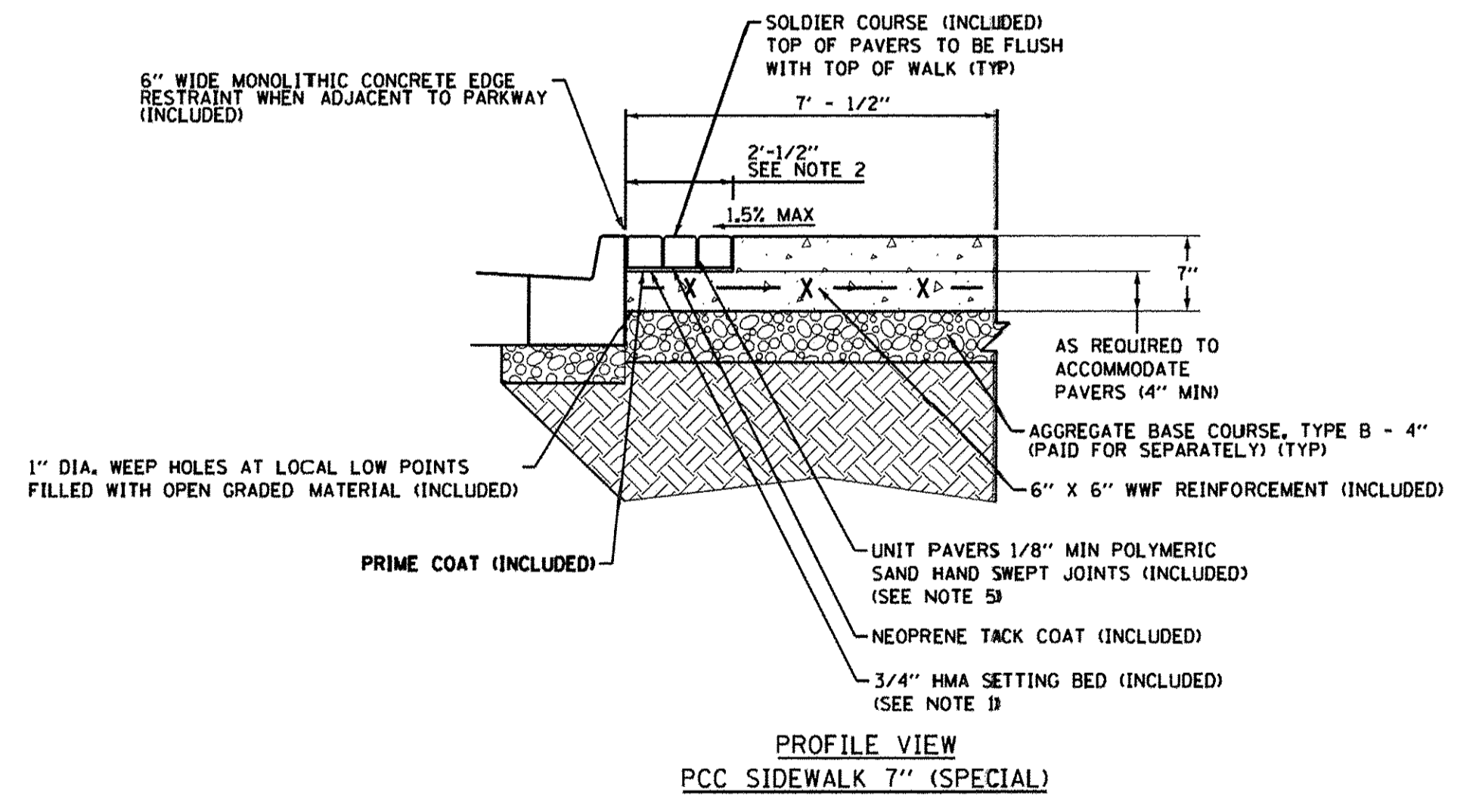
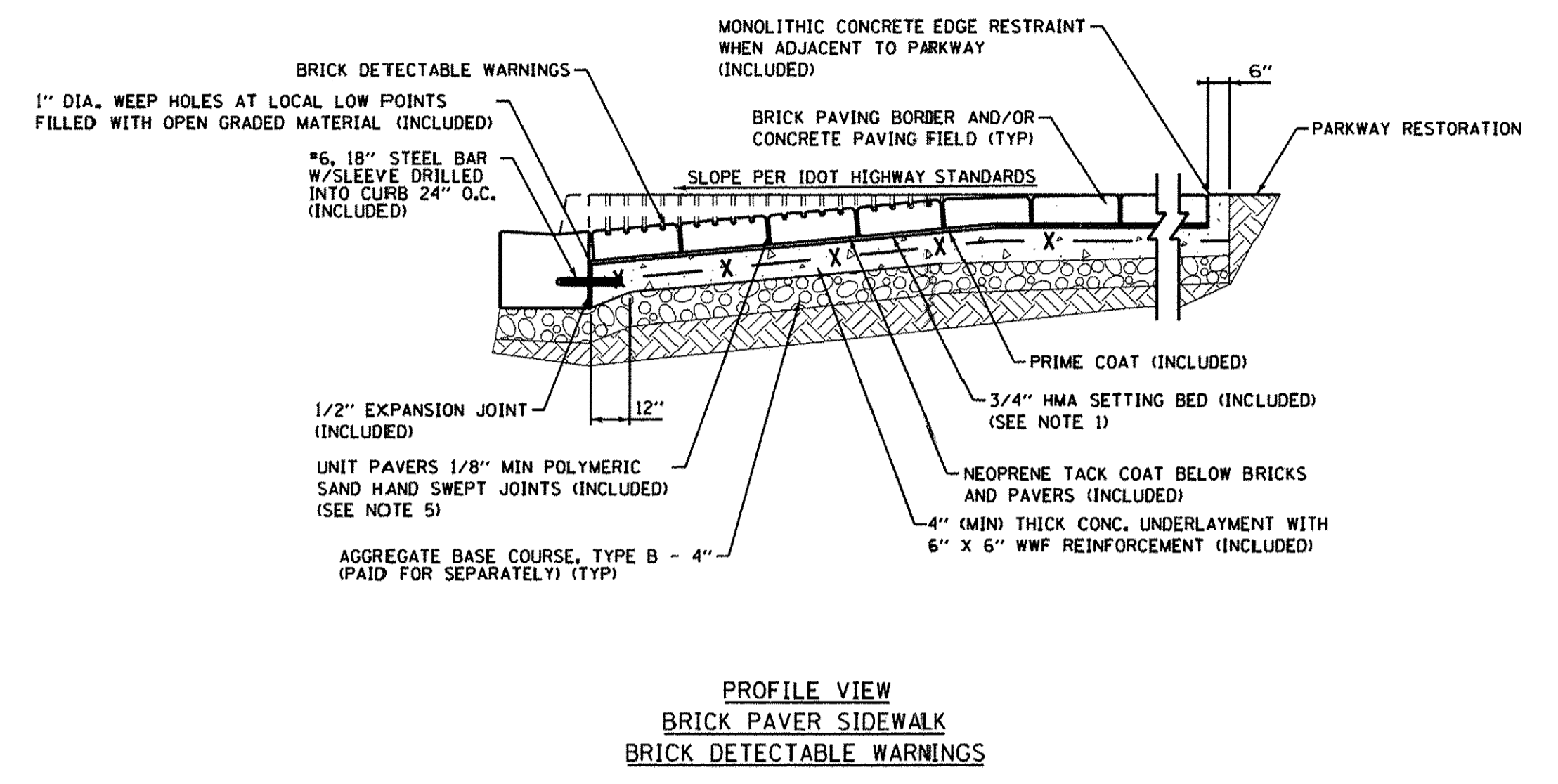
- NOTES:**
1. THE THICKNESS OF THE BRICK PAVER SIDEWALK, BRICK DETECTABLE WARNINGS, AND CONCRETE PAVER UNITS MAY NOT MATCH. THE CONTRACTOR SHALL INSTALL ADDITIONAL HOT-MIX ASPHALT SETTING BED AS NEEDED SO THE TOP OF ALL PAVERS ARE FLUSH.
 2. THE CONTRACTOR SHALL VERIFY THE WIDTH REQUIRED TO SET THE BRICK PAVERS PRIOR TO POURING CONCRETE.
 3. THE PATTERN, LAYOUT, AND SEQUENCE OF OPERATION SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
 4. PROVIDE CONTRACTION JOINTS AS DETERMINED BY THE ENGINEER.
 5. POLYMERIC SAND SHALL BE RG+ AS MANUFACTURED BY TECHNISEAL, COLOR: PRAIRIE TAN, OR AS SELECTED BY THE VILLAGE.



SIDEWALK STREETScape DETAIL

REV 10/24/16
NOT TO SCALE

SHEET 1 OF 2



SIDEWALK STREETScape DETAIL

REV 10/24/16
NOT TO SCALE

SHEET 2 OF 2



USER NAME = Michał Mieczek	DESIGNED JBR	REVISED -
PLLOT SCALE = 1,000' / 1"	DRAWN AJV	REVISED -
PLLOT DATE = 11/10/2016	CHECKED ITY	REVISED -
	DATE 11/10/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
CONSTRUCTION DETAILS

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	19
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1		ILLINOIS		
FED. AID PROJECT				

INDEX OF DRAWINGS

DWG. NO.	SHEET NAME
E-01	INDEX, LIGHTING NOTES AND LEGEND
E-02	ROADWAY LIGHTING AND REMOVAL PLAN
E-03	LIGHTING FOUNDATION AND CONDUIT PLAN
E-04	ROADWAY LIGHTING AND CABLE PLAN
E-05	LIGHTING DETAILS
E-06	WIRING DIAGRAM


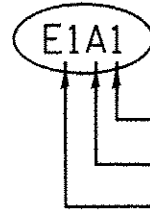











GENERAL ELECTRICAL NOTES

- ELECTRICAL WORK MUST CONFORM TO THE LATEST NATIONAL, STATE, AND LOCAL CODES.
- CONTRACTOR WILL FIELD VERIFY EXACT LOCATIONS, QUANTITIES, AND TYPE OF UTILITIES IN AREAS TO BE EXCAVATED PRIOR TO COMMENCEMENT OF ANY WORK AND WILL HAND EXCAVATE AS REQUIRED IN ORDER TO NOT INTERRUPT ANY EXISTING UTILITIES (PUBLIC OR PRIVATE). CONTRACTOR WILL NOTIFY UTILITY IMMEDIATELY AND PAY ANY COST INCURRED FOR REPAIR OR REPLACEMENT OF SUCH DAMAGE.
- ELECTRICAL EQUIPMENT, RACEWAY, ETC. ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR WILL INSTALL ELECTRICAL EQUIPMENT, RACEWAYS, ETC. WHERE DIRECTED BY THE ENGINEER IN ORDER TO BEST SUIT JOB CONDITIONS.
- CONDUIT MUST BE PUSHED UNDER ROADWAYS, DRIVEWAYS AND SIDEWALKS AS DIRECTED BY THE ENGINEER. CONDUIT MUST BE PUSHED PAST TREES IF THE ENGINEER DETERMINES THAT TRENCHING MAY HARM THE TREES. ALL OTHER CONDUIT MAY BE INSTALLED BY ANY METHOD APPROVED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE CONTRACT.
- THE CONTRACTOR SHALL CONTACT THE CITY OF SOUTH ELGIN PUBLIC WORKS AND ELECTRICAL UTILITY DEPARTMENTS AT LEAST 5 WORKING DAYS PRIOR TO COMMENCING ANY WORK.
- ALL POLE BASES SHALL BE FRANGIBLE WITH AASHTO AND FHWA BREAKAWAY COUPLINGS WITH ALUMINUM SKIRTS. POLE BASE REQUIREMENTS SHALL BE IN ACCORDANCE WITH IDOT BUREAU OF DESIGN AND ENVIRONMENTAL MANUAL, CHAPTER FIFTY-SIX, HIGHWAY LIGHTING, LATEST EDITION.
- ALL ELECTRICAL WORK PERFORMED AND INSTALLED ON STATE RIGHT-OF-WAY SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 1, GENERAL GUIDELINES FOR LIGHTING DESIGN.
- THE CONTRACTOR SHALL COORDINATE ALL ELECTRICAL SERVICE WITH COMMONWEALTH EDISON COMPANY, MRS. DARLENE CRAMMER, 860 OAK CREEK DRIVE, ELMHURST, IL 60126, 630-396-8220 EXT. 4524.

CONSTRUCTION NOTES

- ALL UNDERGROUND CONDUIT SHALL BE A MINIMUM 30" BELOW GRADE TO TOP OF DUCT.
- ALL CONDUIT CROSSING DRIVEWAYS OR ROADWAYS WILL BE RIGID GALVANIZED STEEL. ALL OTHER CONDUIT SHALL BE EPC-40 PVC.
- THE GROUND CONDUCTOR WILL HAVE NO SPLICE OR KINKS BELOW GRADE. IT SHALL BE SOLIDLY CONNECTED TO THE GROUNDING LUG OF EACH POLE AND TO THE GROUND AT THE SERVICE INSTALLATION.
- ALL GROUND CONDUCTOR CONNECTIONS TO GROUND RODS SHALL BE MADE WITH AN EXOTHERMIC WELD.
- ALL POLES, AESTHETIC LIGHTING UNITS AND THE STREET LIGHT CONTROLLERS WILL BE CONNECTED TO A CONTINUOUS GROUND CONSISTING OF A GREEN INSULATED ELECTRICAL CONDUCTOR 600V, XLP (SIZE AS INDICATED ON THE PLANS). THIS CONDUCTOR WILL BE PLACED INSIDE THE CONDUIT DUCT ALONG WITH THE INSULATED CABLES.
- SUFFICIENT LENGTH OF ELECTRICAL CONDUCTOR WILL BE COILED IN LIGHT STANDARDS TO PROVIDED ADEQUATE SLACK SO THAT ELECTRICAL CONDUCTOR MAY BE PULLED OUT 18" FOR THE INSPECTION. SAID SLACK WILL BE NEATLY COILED AND PLACED IN LIGHT STANDARDS.
- ALL CIRCUITS WILL BE 2-1/C •4 AND 1-1/C •4 GROUND (GREEN) INSULATED IN 2" PVC AND 2" RGS CONDUIT, UNLESS OTHERWISE NOTED.
- ALL POLE STANDARD STATIONS AND OFFSETS SHOWN ARE FROM THE ROADWAY CENTER LINES.
- ALL OF THE LUMINAIRES FOR THE PROPOSED LIGHTING SHALL BE INSTALLED AT THE MOUNTING HEIGHT OF 18'-0" (ROADWAY) AND 12'-0" (SIDEWALK).
- ALL LUMINAIRES ARE 40 WATT, 120 VOLT, TYPE III, 4000 K, LED, ORNAMENTAL SOUTH ELGIN VILLAGE STANDARD PENDANT STYLE, UNLESS OTHERWISE NOTED ON THE PLANS.
- COORDINATE THE LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET WITH THE GROUND MOUNT LIGHTING ASSEMBLY BASE PLATE BOLT CIRCLE DIAMETER.

SYMBOL LEGEND

-  PROPOSED SOUTH ELGIN VILLAGE OF (47589) ORNAMENTAL LIGHTING STANDARD WITH 2-40 WATT LED PENDANT STYLE LUMINAIRES (18'-0" MOUNTING HT.-ROADWAY AND 12'-0" MOUNTING HEIGHT-SIDEWALK), WITH GFCI RECEPTACLE AND BANNER ATTACHMENTS.
-  ORNAMENTAL LIGHTING STANDARD ID
1 - DENOTES LIGHT POLE NO.
A - DENOTES LIGHTING CIRCUIT
E1 - DENOTES LIGHTING CONTROLLER
-  EXISTING LIGHT POLE WITH 6' DAVIT STYLE MAST ARM AND COBRAHEAD LUMINAIRE. TO BE REMOVED
-  PROPOSED 12" X 8" X 6" STAINLESS STEEL JUNCTION BOX, SURFACE MOUNTED AT ABUTMENT WALLS.
-  EXISTING 12" X 8" X 6" JUNCTION BOX, SURFACE MOUNTED AT ABUTMENT WALLS. TO BE REMOVED
-  PROPOSED 24" X 30" COMPOSITE CONCRETE HANDHOLE
-  PROPOSED PEDESTAL MOUNTED SINGLE PHASE, 120/240V, 3W, 60A LIGHTING CONTROLLER
-  PROPOSED 2" SCHEDULE 40 CONDUIT IN TRENCH
-  PROPOSED 2" RIGID GALVANIZED STEEL CONDUIT MOUNTED TO STRUCTURE
-  PROPOSED 2" RIGID GALVANIZED STEEL CONDUIT PUSHED UNDER ROADWAY
-  PROPOSED 2" SCHEDULE 40 CONDUIT IN TRENCH
-  EXISTING CONDUIT TO BE ABANDONED
-  EXISTING DUCT CABLE TO BE REMOVED

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITIES
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	70
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	555
81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA PVC COATED GALVANIZED STEEL	FOOT	470
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	4
81300980	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 8" X 8" X 6"	EACH	6
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	1
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO 4	FOOT	4,925
82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	42
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	9
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	5
XX008477	STREET LIGHT ASSEMBLY, COMPLETE	EACH	20

IDOT STANDARD DETAILS

DWG. NO.	SHEET NAME
812001	RACEWAY EMBEDDED IN STRUCTURE (SHT. 2 OF 3)
814001-03	HANDHOLES (CONCRETE COMPOSITE)
825011-03	LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
836001-02	LIGHT POLE FOUNDATION

DISTRICT 1 STANDARDS DETAILS

DWG. NO.	SHEET NAME
BE-310	LIGHT POLE FOUNDATION OFFSET

FILE NAME = \$FILEL\$

Michael Baker INTERNATIONAL

USER NAME = MichaJ.Miczek	DESIGNED DP	REVISED -
	DRAWN AJV	REVISED -
PLOT SCALE = 20,0000 ' / in.	CHECKED ITY	REVISED -
PLOT DATE = 11/10/2016	DATE 11/10/2016	REVISED -

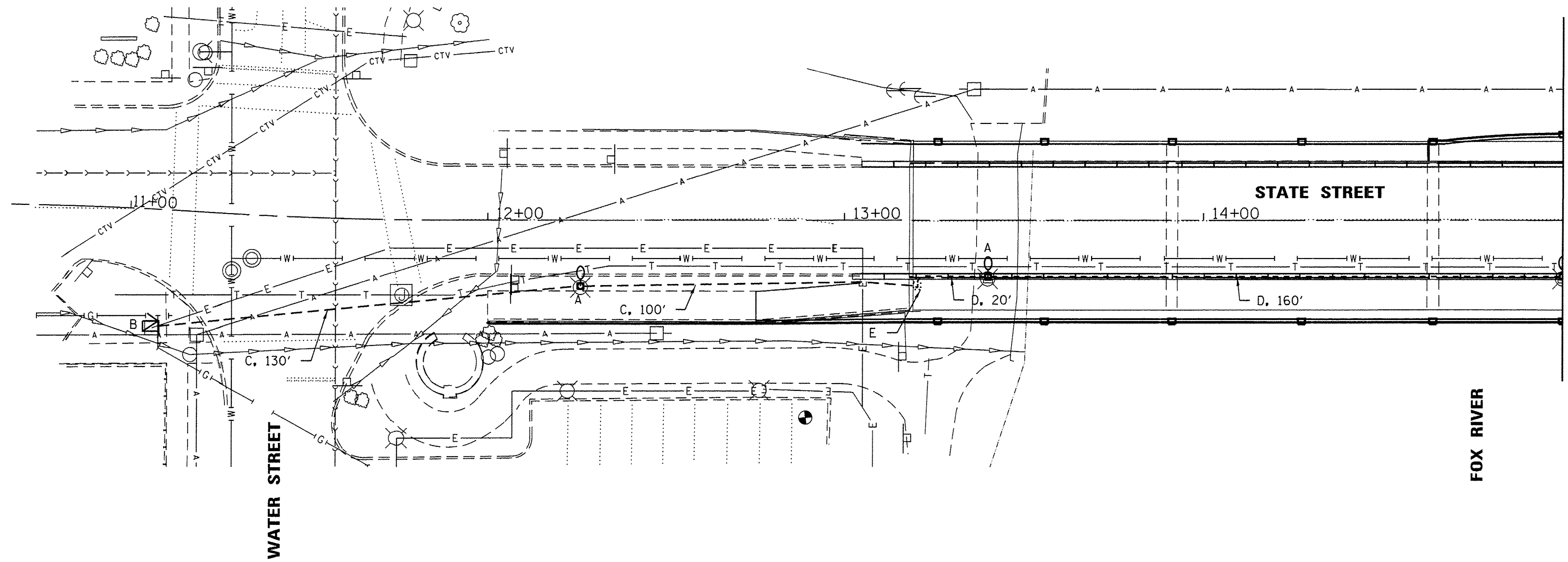
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
LIGHTING NOTES AND LEGEND

SCALE: N/A SHEET NO. 1 OF 6 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 20
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	

E-1

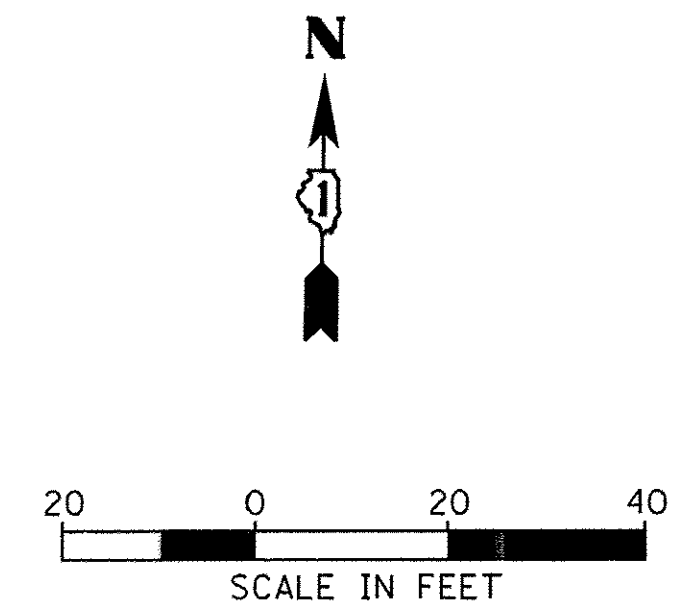
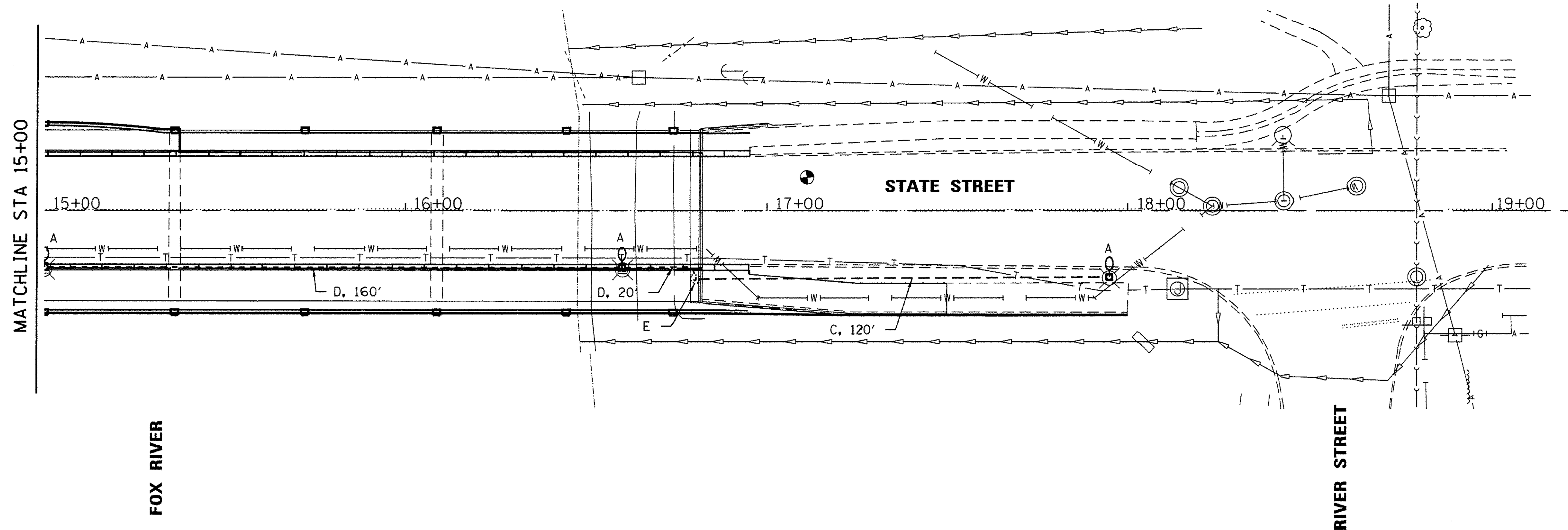


LEGEND

- "A" - REMOVE EXISTING LIGHT POLE WITH DAVIT STYLE MAST ARM AND COBRAHEAD LUMINAIRE.
- "B" - REMOVE EXISTING LIGHTING CONTROLLER. CONTROLLER FOUNDATION TO BE RE-USED.
- "C" - REMOVE EXISTING UNIT DUCT CABLE.
- "D" - REMOVE EXISTING CABLE, ABANDON CONDUIT IN BRIDGE PARAPET.
- "E" - REMOVE EXISTING JUNCTION BOX AT ABUTMENT WALL.

NOTES:

1. ALL EXISTING LIGHTING EQUIPMENT (LIGHT POLES, LUMINAIRES, BRACKET ARMS, WIRE, ETC.) WILL NOT BE SALVAGED.



FILE NAME = 8FLE18

Michael Baker INTERNATIONAL

USER NAME = Michal.Miczek
 DESIGNED DP
 DRAWN AJV
 CHECKED ITY
 PLOT SCALE = 20,0000' / 1" = 17"
 PLOT DATE = 11/10/2016

DATE 11/10/2016

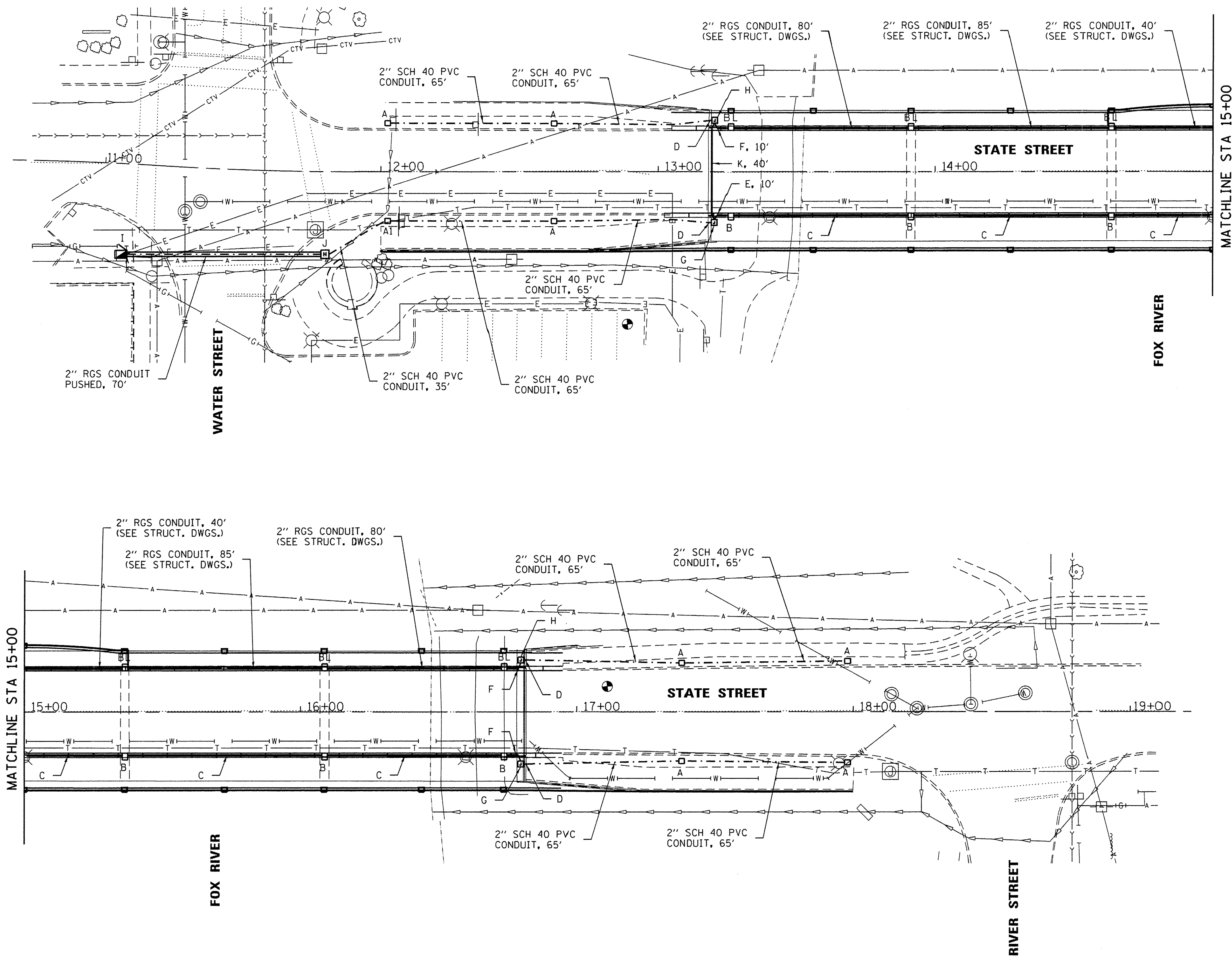
REVISED -
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 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STATE STREET BRIDGE ENHANCEMENT PROJECT
 ROADWAY LIGHTING REMOVAL PLAN**

SCALE: 1" = 20' SHEET NO. 2 OF 6 SHEETS STA. 11+42.16 TO STA. 18+57.27

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	21
JOB NO.	C-91-286-13	CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



LEGEND

- "A" - INSTALL IDOT STANDARD 836001-02 LIGHT POLE FOUNDATION FOR THE VILLAGE OF SOUTH ELGIN (47589) GROUND MOUNTED LIGHTING STANDARD. 3'-0" OFFSET FROM FACE OF CURB, UNLESS OTHERWISE NOTED.
- "A1" - INSTALL IDOT DISTRICT 1 STANDARD BE-310 LIGHT POLE FOUNDATION OFFSET FOR THE VILLAGE OF SOUTH ELGIN (47589) GROUND MOUNTED LIGHTING STANDARD. 3'-0" OFFSET FROM FACE OF CURB, UNLESS OTHERWISE NOTED.
- "B" - LIGHTING FOUNDATION FOR THE VILLAGE OF SOUTH ELGIN (47589) BRIDGE MOUNTED LIGHTING STANDARD. SEE STRUCTURAL DRAWINGS FOR LIGHTING FOUNDATION DETAILS.
- "C" - EXISTING LIGHTING CONDUIT IN BRIDGE PARAPET TO REMAIN. REMOVE EXISTING WIRES, CLEAN CONDUIT AND INSTALL NEW WIRES AS SHOWN ON LIGHTING AND CABLE PLAN. SEE STRUCTURAL DRAWINGS FOR NEW JUNCTION BOX INSTALLATION AT EACH LIGHTING BLISTER LOCATION.
- "D" - INSTALL 10' X 2" STAINLESS STEEL CONDUIT THROUGH EXISTING ABUTMENT WALL, EXTEND CONDUIT INTO NEW JUNCTION BOX AT BRIDGE ABUTMENT WALL. SEE STANDARD DETAIL 812001.
- "E" - INSTALL 2" RGS CONDUIT FROM JUNCTION BOX AT ABUTMENT WALL TO EXISTING JUNCTION BOX IN BRIDGE PARAPET (SEE STRUCTURAL DRAWINGS). SEE STANDARD DETAIL 812001, SIMILAR.
- "F" - INSTALL 2" RGS CONDUIT FROM JUNCTION BOX AT ABUTMENT WALL, ACROSS UNDERSIDE OF BRIDGE, ROUTED TO JUNCTION BOX IN BRIDGE BARRIER AT EACH LIGHTING BLISTER LOCATION. SEE ITEM "L", SEE STANDARD DETAIL 812001, SIMILAR.
- "G" - REMOVE EXISTING JUNCTION BOX AT ABUTMENT WALL, INSTALL NEW 12" X 12" X 6" STAINLESS STEEL JUNCTION BOX, RE-ROUTE CONDUIT AND MAINTAIN EXISTING CIRCUITRY AS REQUIRED. SEE ITEMS "D", "E" AND "L".
- "H" - INSTALL NEW 12" X 12" X 6" STAINLESS STEEL JUNCTION BOX, ROUTE CONDUIT AS REQUIRED. SEE ITEMS "D", "E" AND "L".
- "I" - EXISTING CONCRETE LIGHTING CONTROLLER FOUNDATION TO REMAIN.
- "J" - INSTALL 24" COMPOSITE CONCRETE HANDHOLE AS PER IDOT STANDARD DRAWING NO. 8140 PVC01-03.
- "K" - INSTALL 2" RIGID GALVANIZED STEEL CONDUIT AT ABUTMENT WALL. SEE ITEMS "G" AND "H".
- "L" - INSTALL NEW 8" X 8" X 6" STAINLESS STEEL JUNCTION BOX IN BRIDGE BARRIER AT EACH LIGHTING BLISTER LOCATION, ROUTE 2" RGS CONDUIT INTO BOX TO ACCOMMODATE LIGHTING CIRCUIT CONNECTIONS.

FILE NAME = \$FILEL\$

Michael Baker INTERNATIONAL

USER NAME = Michal.Miczek	DESIGNED	REVISED -
DRAWN A/V	REVISOR	REVISED -
CHECKED ITY	REVISOR	REVISED -
DATE 11/10/2016	REVISOR	REVISED -

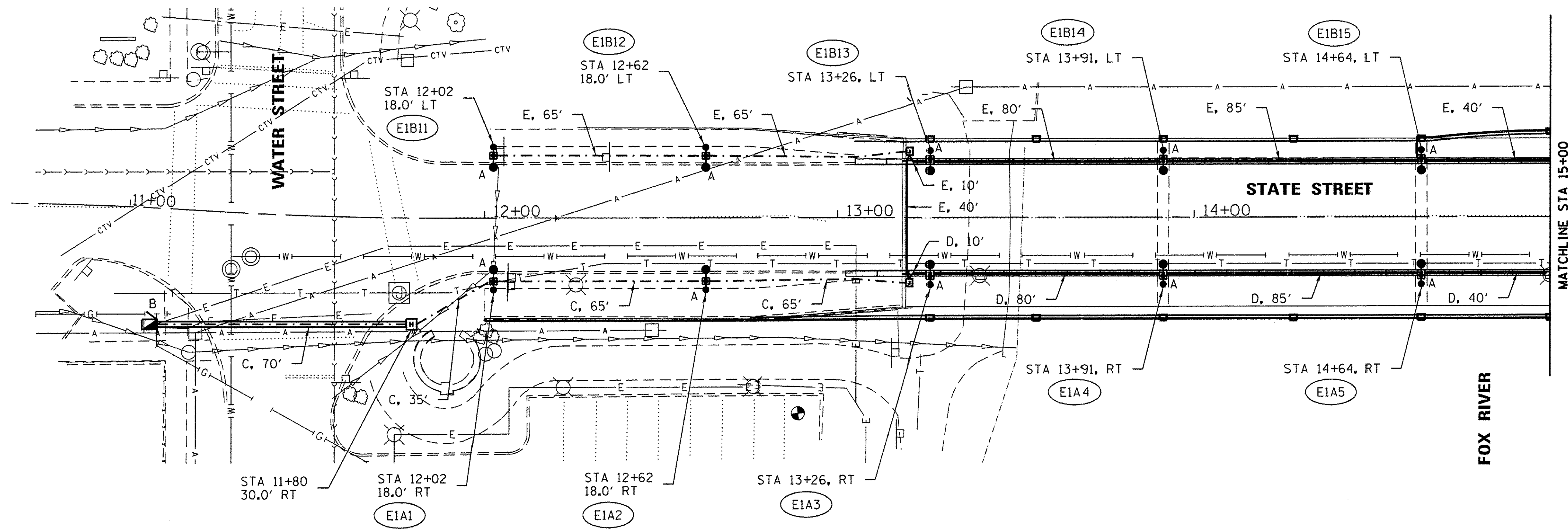
DATE 11/10/2016	REVISOR	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STATE STREET BRIDGE ENHANCEMENT PROJECT
LIGHTING FOUNDATION AND CONDUIT PLAN**

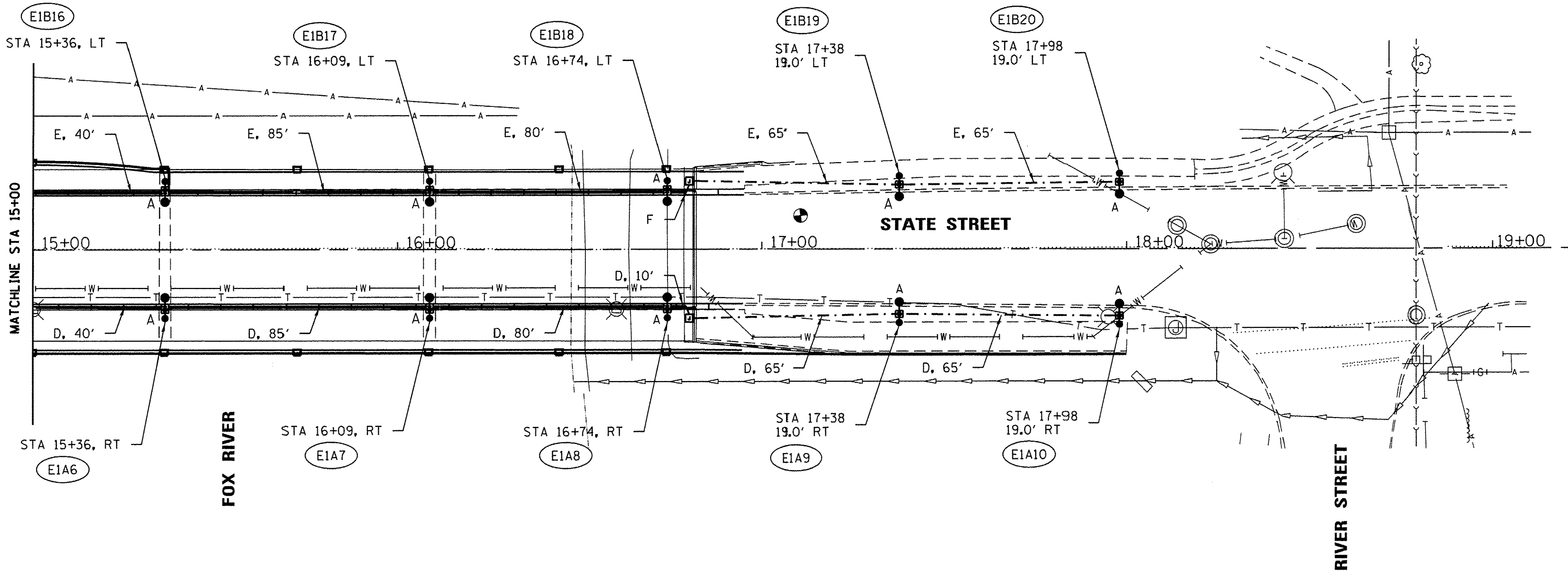
SCALE: 1" = 20' SHEET NO. 3 OF 6 SHEETS STA. 11+42.16 TO STA. 18+57.27

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 22
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		



LEGEND

- "A" - INSTALL VILLAGE OF SOUTH ELGIN (47589) LIGHTING STANDARD WITH 2-45 WATT ORNAMENTAL LED PENDANT STYLE LUMINAIRES (18'-0" MOUNTING HT.-ROADWAY AND 12'-0" MOUNTING HEIGHT-SIDEWALK), ORNAMENTAL POLE AND BASE WITH GFCI RECEPTACLE, TWIN ORNAMENTAL BRACKET ARMS AND BANNER ATTACHMENTS.
- "B" - INSTALL PEDESTAL MOUNTED SINGLE PHASE, 120/240V, 3W, 100A LIGHTING CONTROLLER PER STANDARD DRAWING NO. 825011-03. BRANCH CIRCUIT BREAKERS TO BE SINGLE POLE-LIGHTING CIRCUITS AT 120V, CIRCUITS AS SHOWN ON PLANS, PAINT BLACK.
- "C" - PROPOSED STREET LIGHTING CABLE, 4-1/C NO. 4, 1-1/C NO. 4 GND, 600V (XLP-TYPE USE) - CIRCUITS A AND B.
- "D" - PROPOSED STREET LIGHTING CABLE, 2-1/C NO. 4, 1-1/C NO. 4 GND, 600V (XLP-TYPE USE) - CIRCUIT A.
- "E" - PROPOSED STREET LIGHTING CABLE, 2-1/C NO. 4, 1-1/C NO. 4 GND, 600V (XLP-TYPE USE) - CIRCUIT B.



FILE NAME = SFILEL\$

Michael Baker INTERNATIONAL

USER NAME = Michal.Miczek
 DESIGNED DP
 DRAWN AJV
 CHECKED ITY
 PLOT SCALE = 20,0000' / in.
 PLOT DATE = 11/10/2016

DATE 11/10/2016

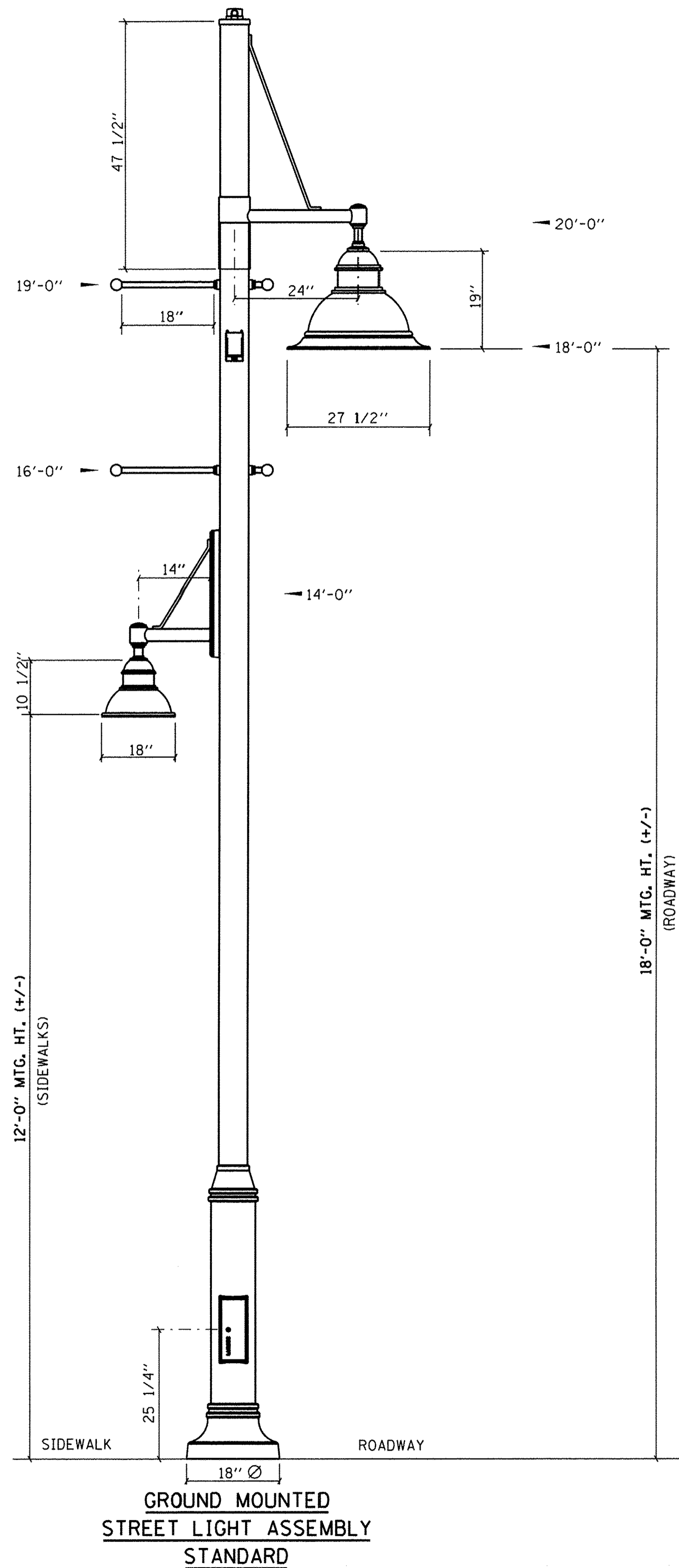
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STATE STREET BRIDGE ENHANCEMENT PROJECT
 ROADWAY LIGHTING AND CABLE PLAN**

SCALE: 1" = 20' SHEET NO. 4 OF 6 SHEETS STA. 11+42.16 TO STA. 18+57.27

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	23
JOB NO. C-91-286-13			CONTRACT NO. 61C17	
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	

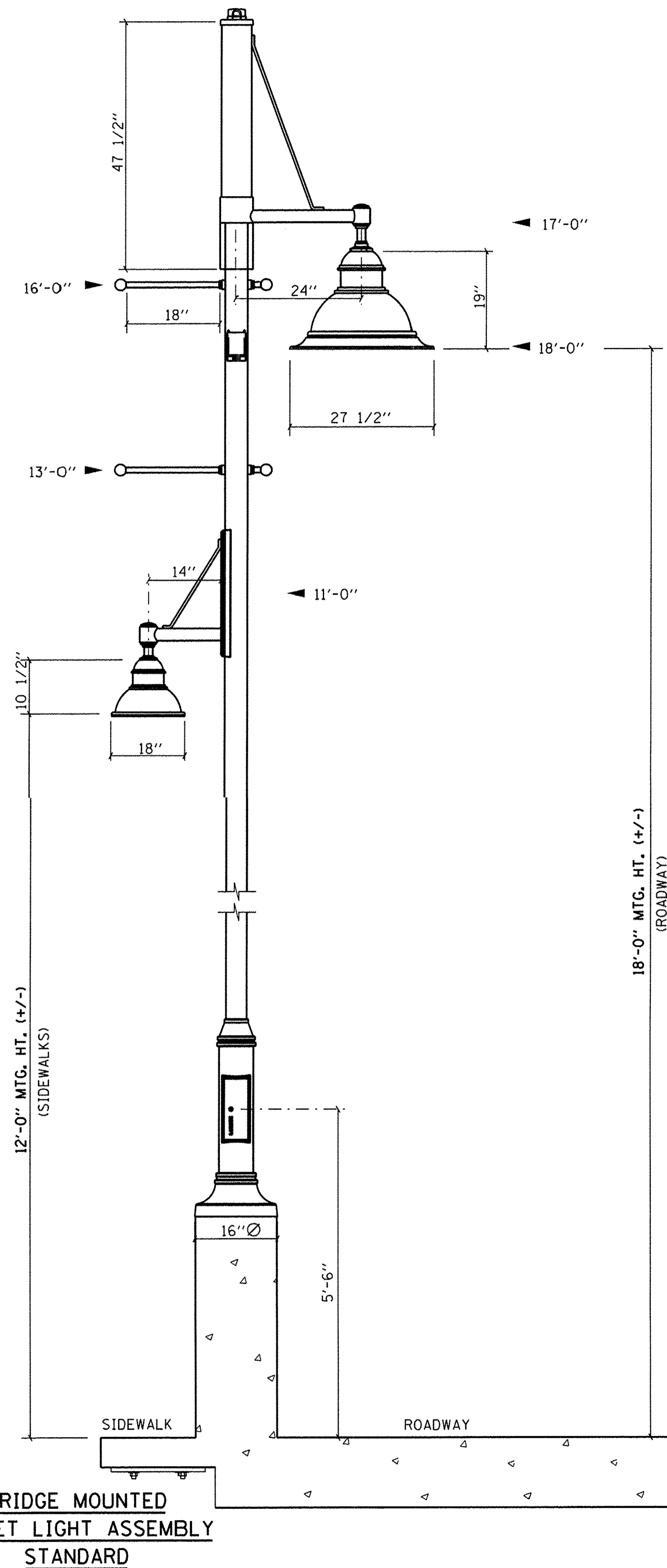


GROUND MOUNTED
STREET LIGHT ASSEMBLY
STANDARD

VILLAGE OF SOUTH ELGIN
(47589) LIGHTING STANDARD

NOTES:

1. THREE FUSES AND FUSE HOLDERS WILL BE SUPPLIED WITH EACH LIGHTING ASSEMBLY. ONE FOR EACH GFI AND ONE FOR THE LUMINAIRE THE FUSE WILL BE FNO TYPE AND WILL BE INSTALLED IN THE POLE BASE.
2. SEE IDOT STANDARD DETAIL 836001-02, FOR LIGHT POLE FOUNDATION AND STRUCTURAL DRAWINGS FOR LIGHTING STANDARD MOUNTED ON BRIDGE LIGHTING FOUNDATION.



BRIDGE MOUNTED
STREET LIGHT ASSEMBLY
STANDARD

FILE NAME = 8F1E1E18

Michael Baker
INTERNATIONAL

USER NAME = Mische1.Miczek	DESIGNED DP	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN AJV	REVISED -
PLOT DATE = 11/10/2016	CHECKED ITY	REVISED -
	DATE 11/10/2016	REVISED -

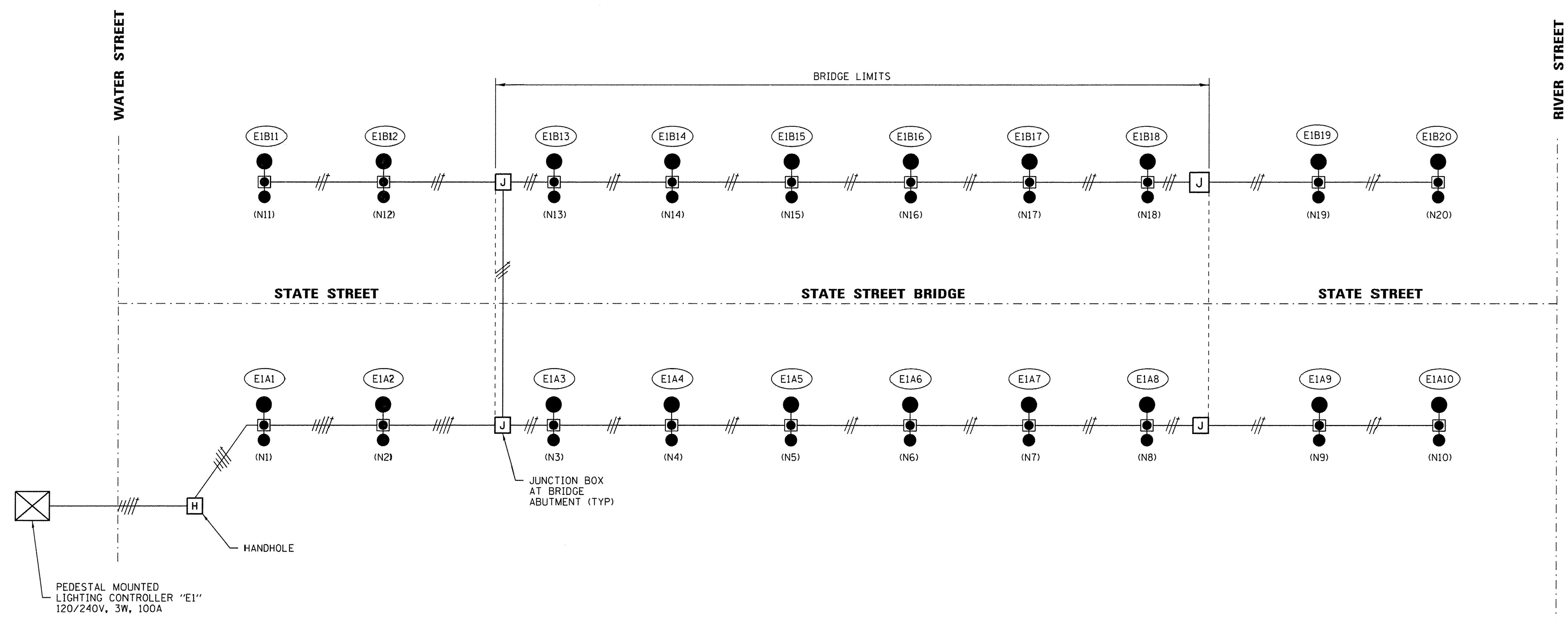
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
LIGHTING DETAILS

SCALE: N.T.S. SHEET NO. 5 OF 6 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 24
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

E-5

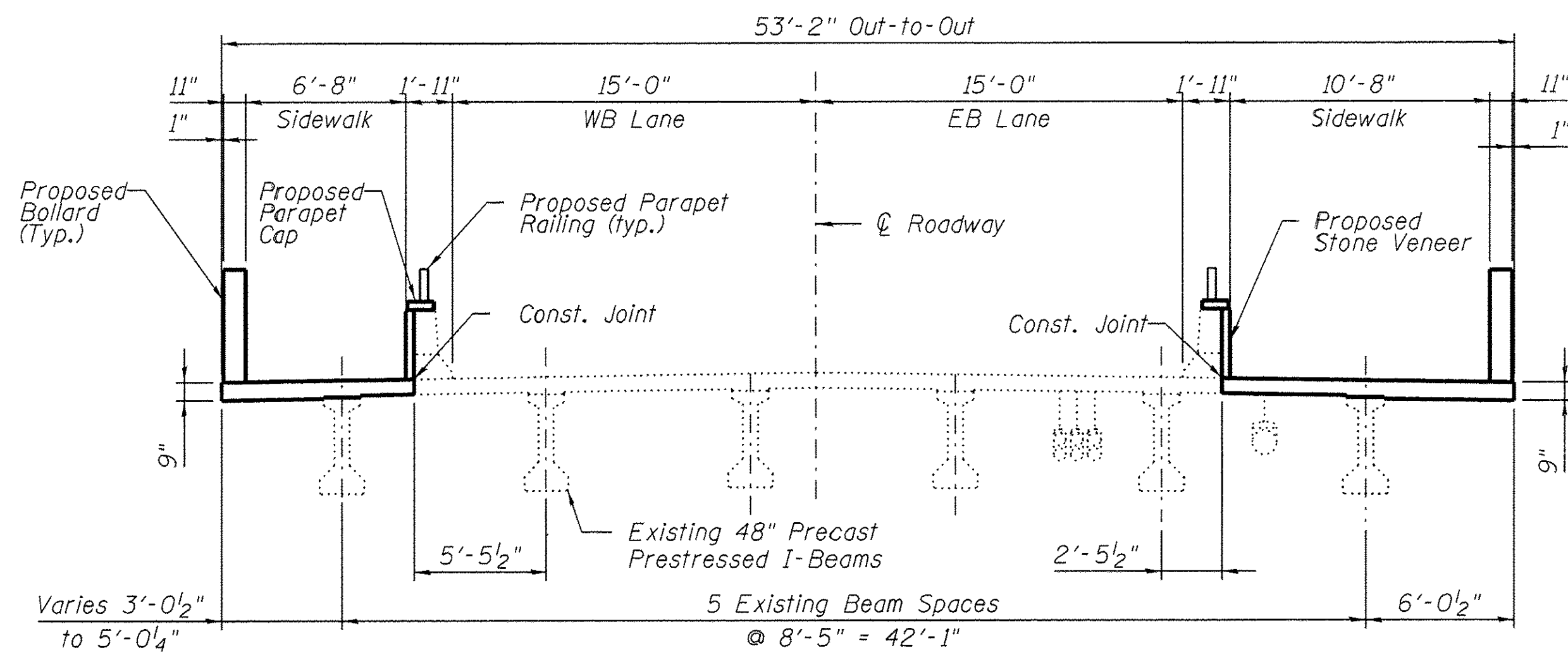


WIRING DIAGRAM - CONTROLLER "E1"

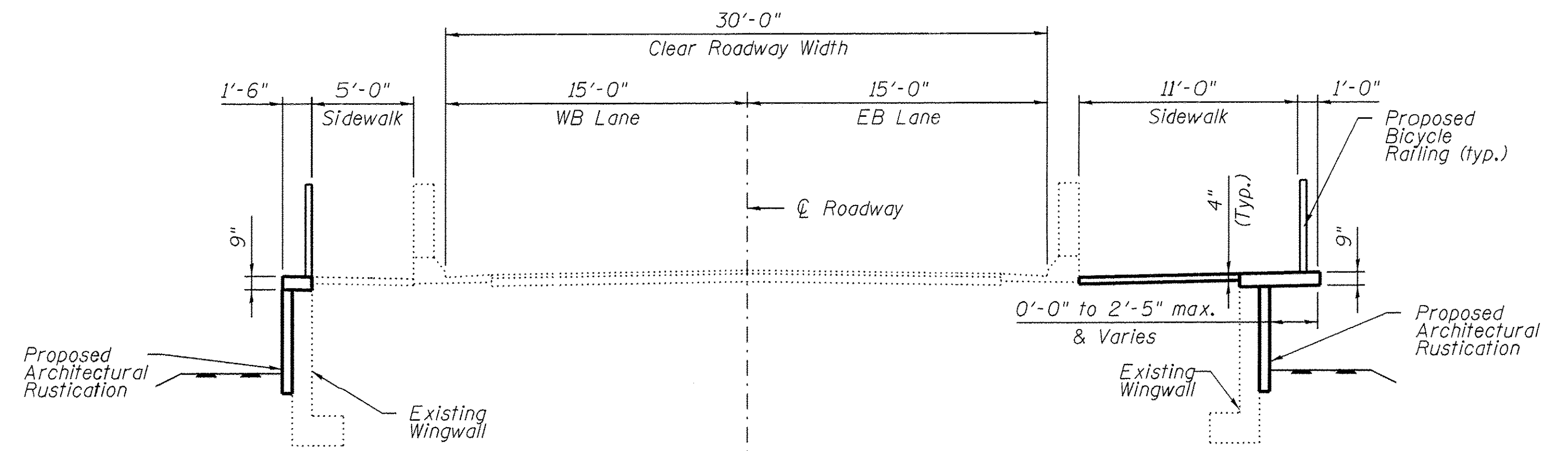
LOAD TABULATION AND VOLTAGE DROP FOR LIGHTING CONTROLLER "E1"			
CIRCUIT	VOLT AMPS	AMPS	TOTAL VOLTAGE DROP OF CIRCUIT
A	2700	22.5	3.41%
B	2700	22.5	3.71%

ELECTRICAL SYMBOL LEGEND

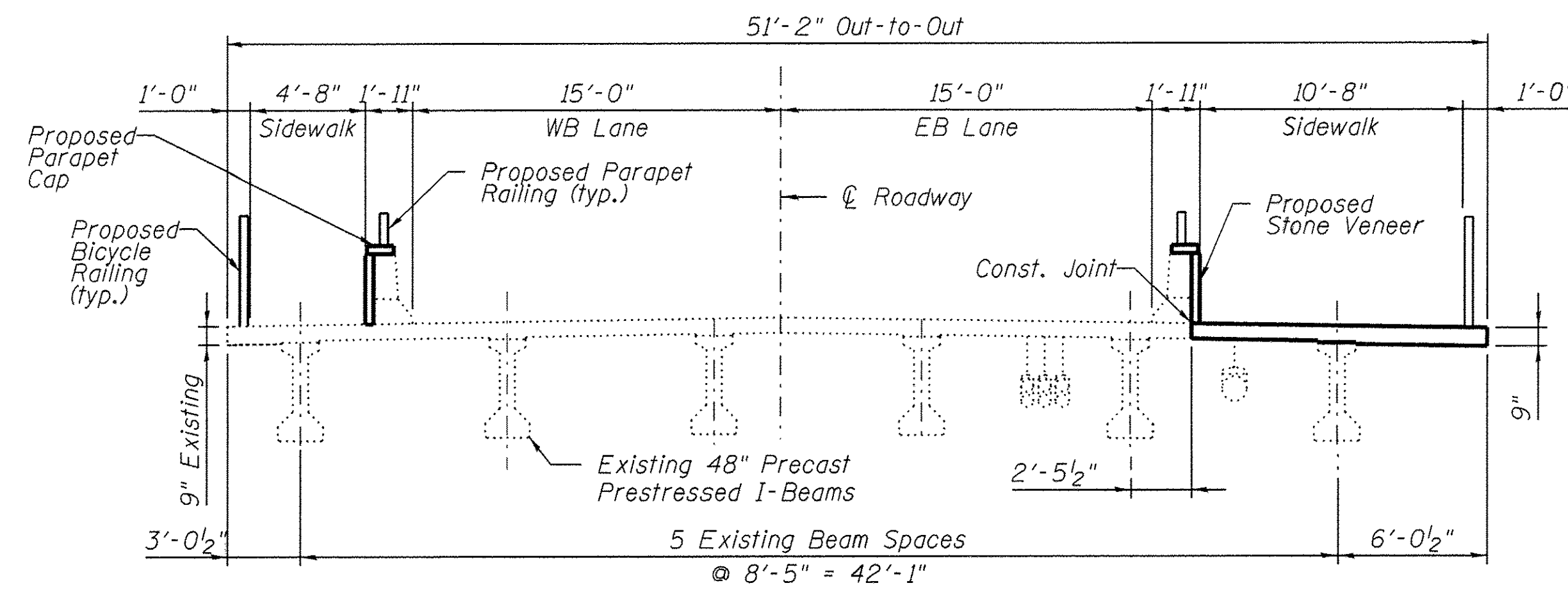
- SOUTH ELGIN VILLAGE OF (47589) LIGHTING STANDARD (SEE SHEETS E-4 AND E-5 FOR LIGHTING DETAILS)
- #4 AWG PHASE AND NEUTRAL W/#4 GROUND (SEE SHEETS E-3 AND E-4 FOR WIRE TYPE AND CONDUIT TYPE AND SIZE)
- GROUND
- NEUTRAL
- PHASE
- LIGHTING CONTROLLER (SEE PEDESTAL MOUNTED STANDARD LIGHTING CONTROLLER DETAIL 825011-03)
- (N1) CALCULATION NODE FOR VOLTAGE DROP
- E1A1
1 - DENOTES LIGHT POLE NO.
A - DENOTES LIGHTING CIRCUIT
E1 - DENOTES LIGHTING CONTROLLER



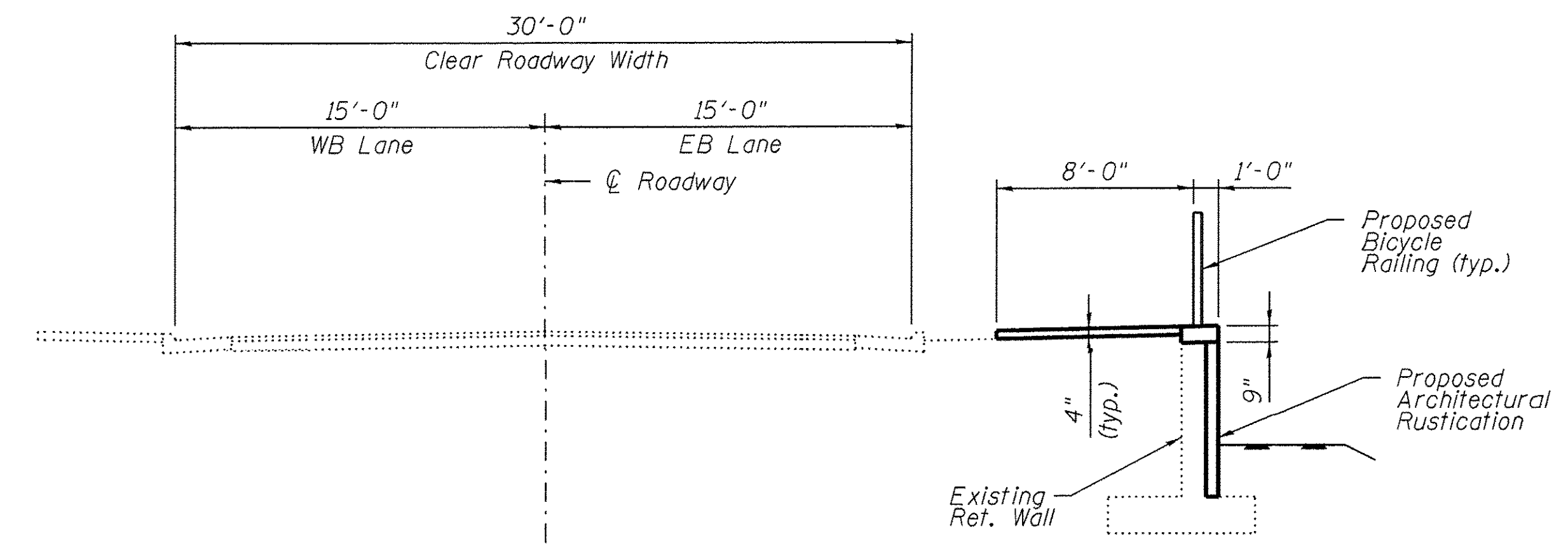
FINAL SECTION A-A
(Looking East)



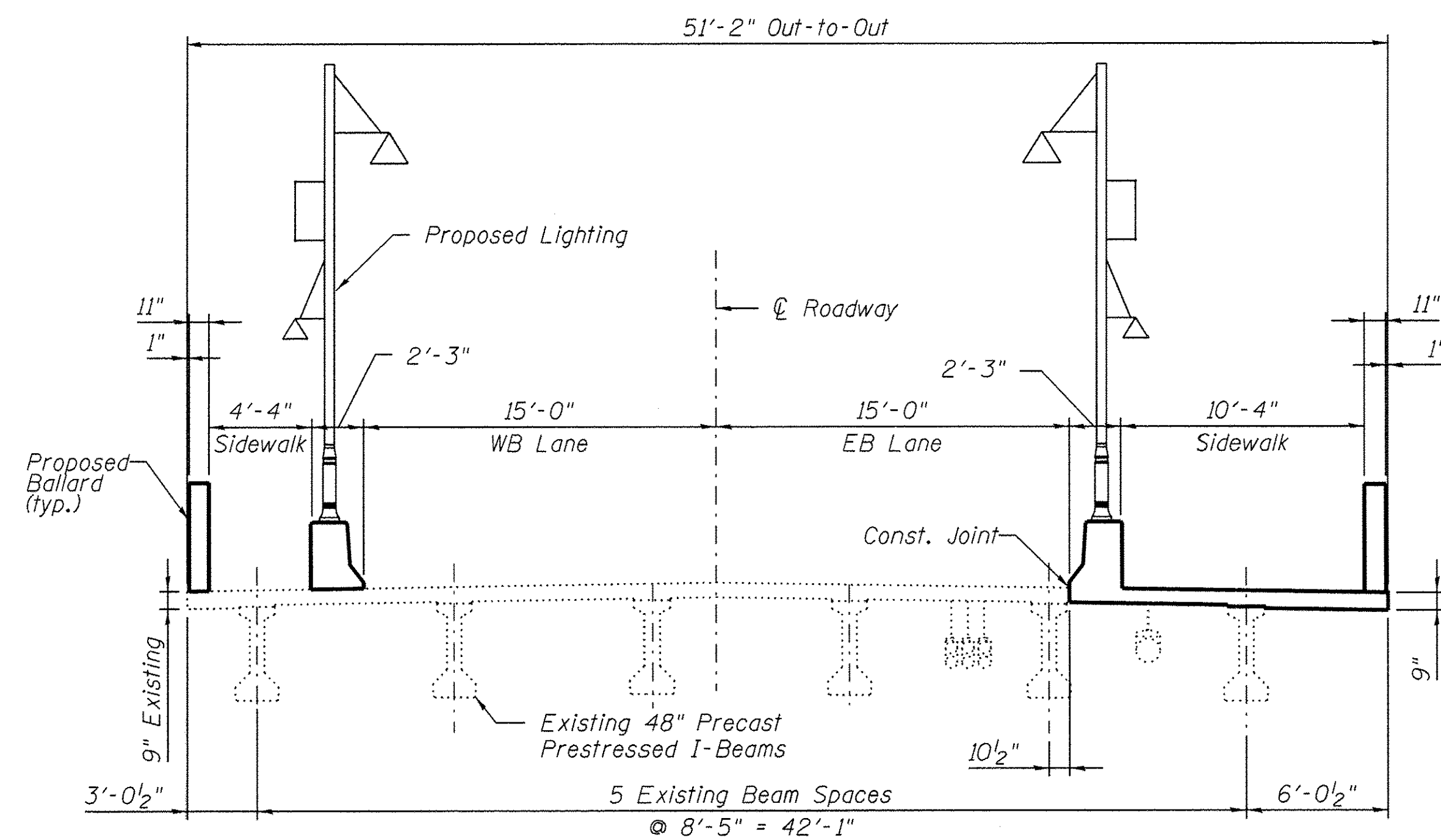
FINAL SECTION D-D
(Looking East)



FINAL SECTION B-B
(Looking East)



FINAL SECTION E-E
(Looking East)



FINAL SECTION C-C
(Looking East)

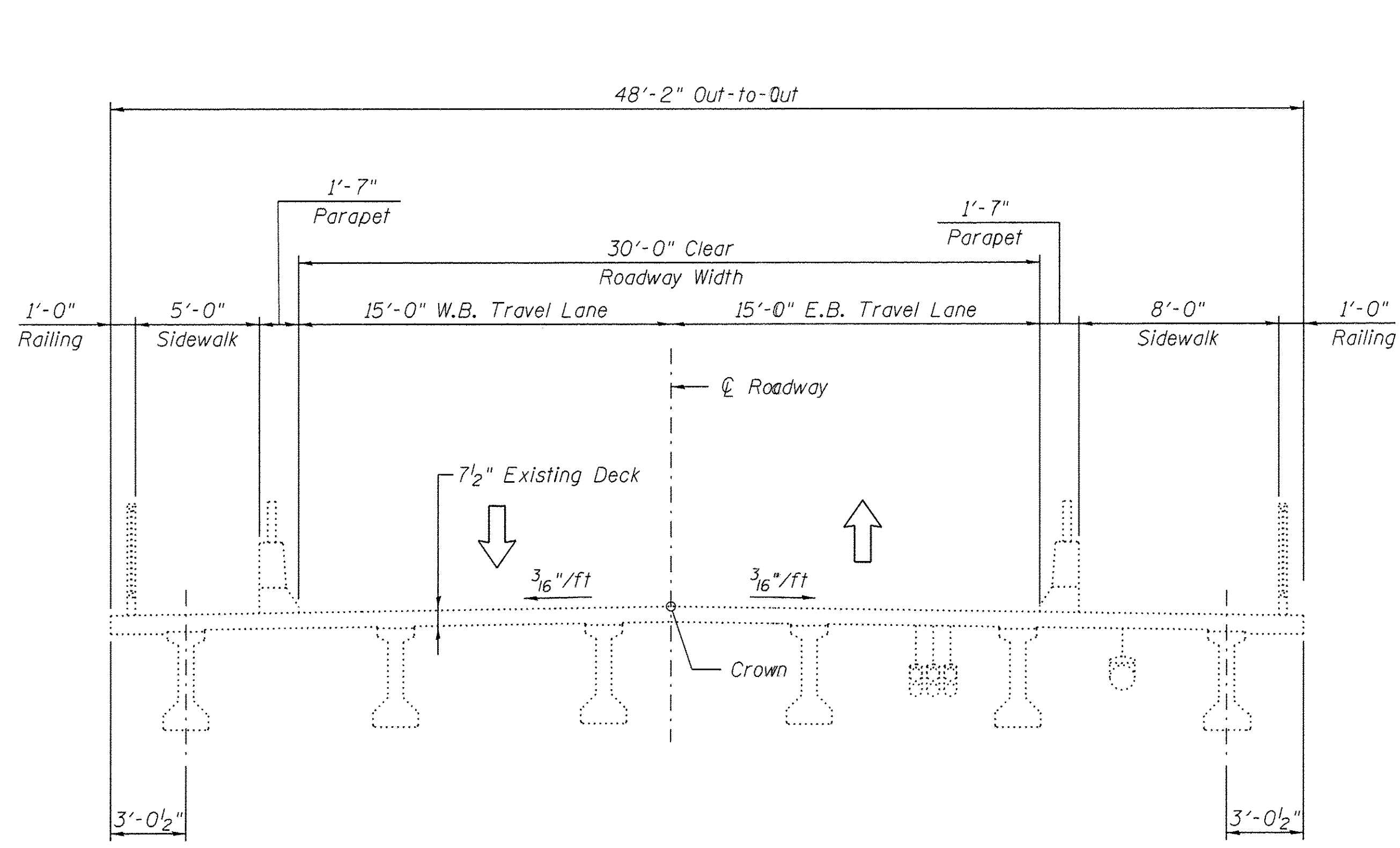
Michael Baker
INTERNATIONAL

USER NAME =	DESIGNED - JMK	REVISED -
PLOT SCALE =	CHECKED - DFM	REVISED -
PLOT DATE =	DRAWN - MLS	REVISED -
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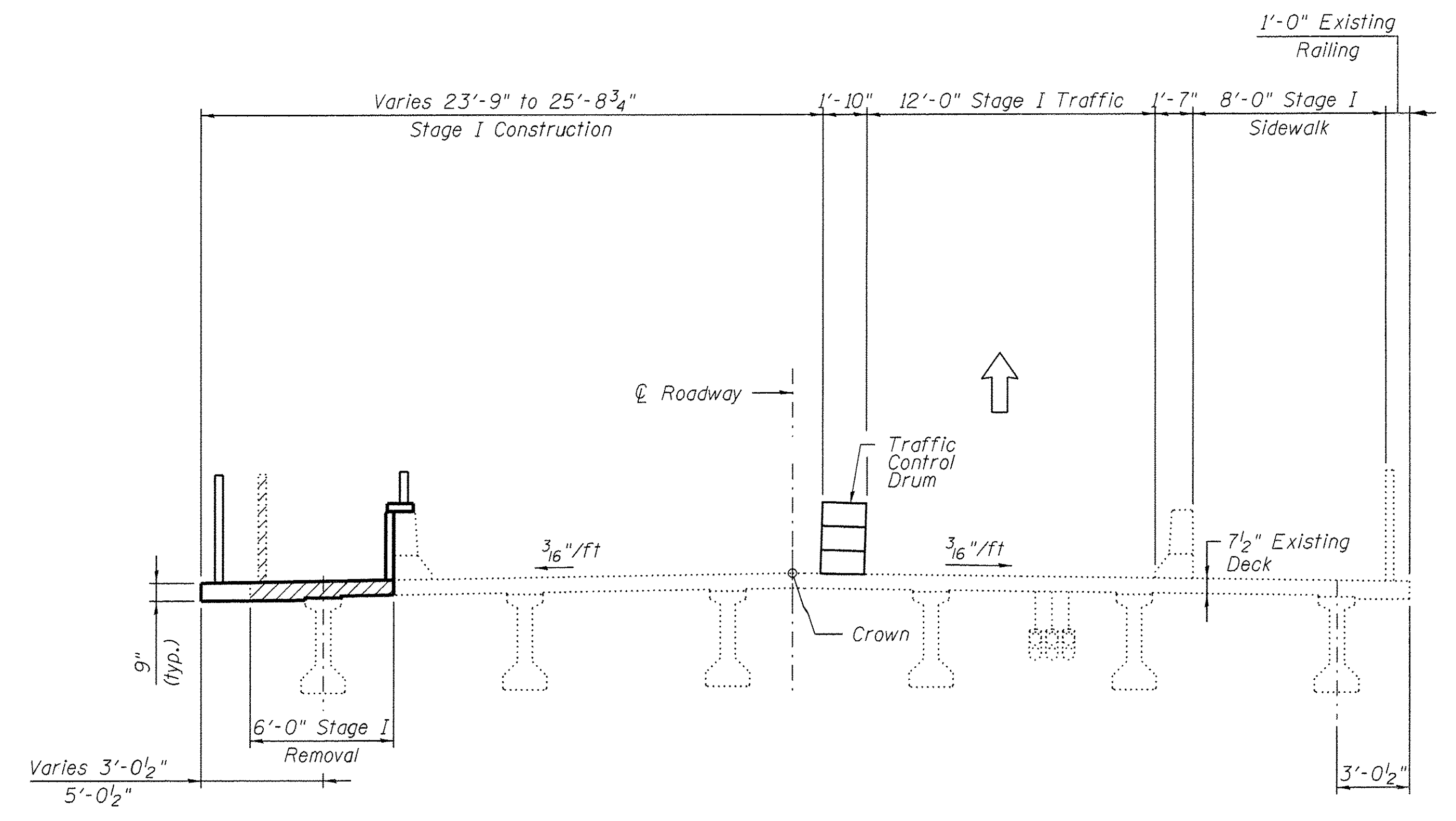
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128
SHEET NO. 3 OF 24 SHEETS

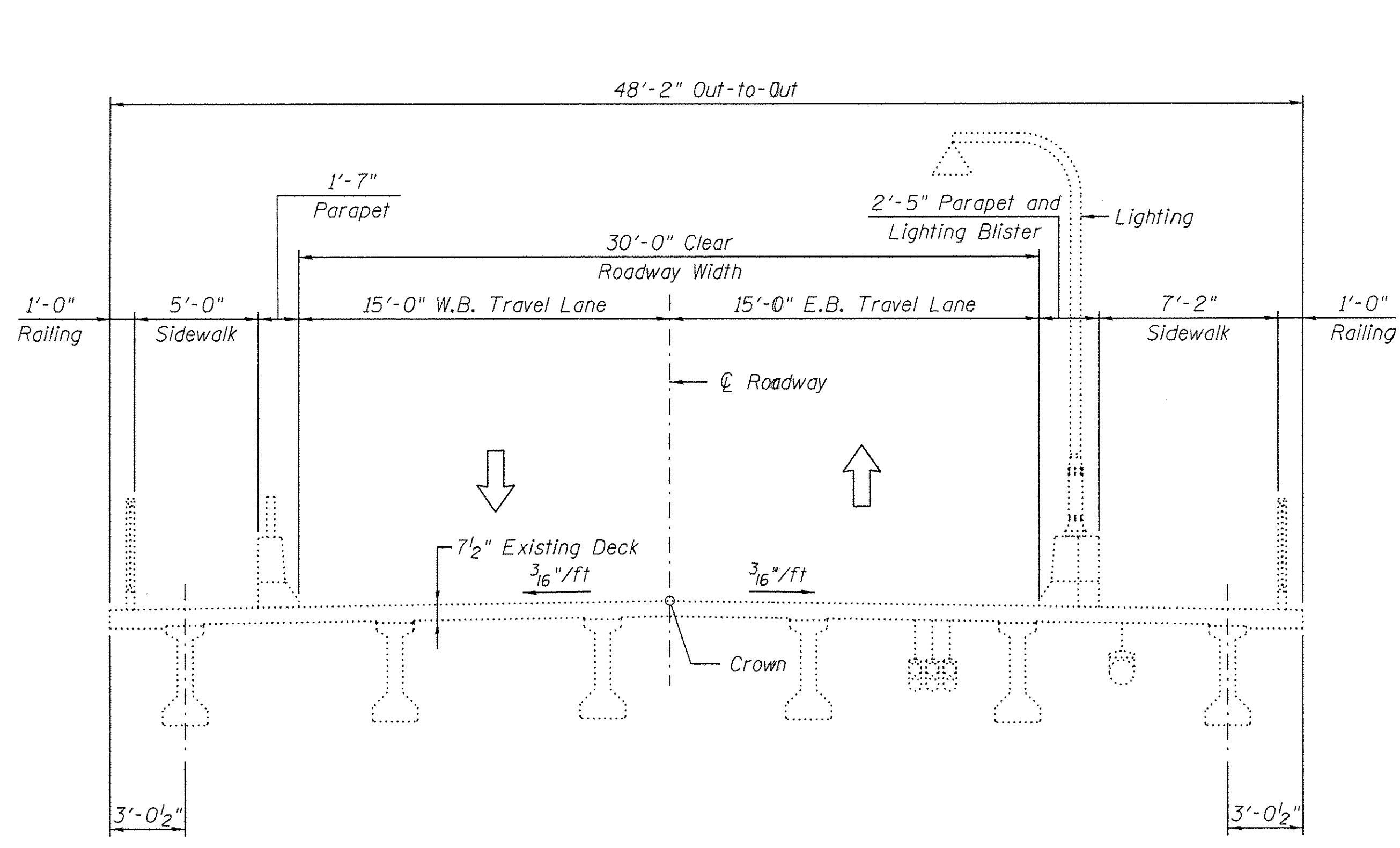
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	28
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
ILLINOIS		FED. AID PROJECT		



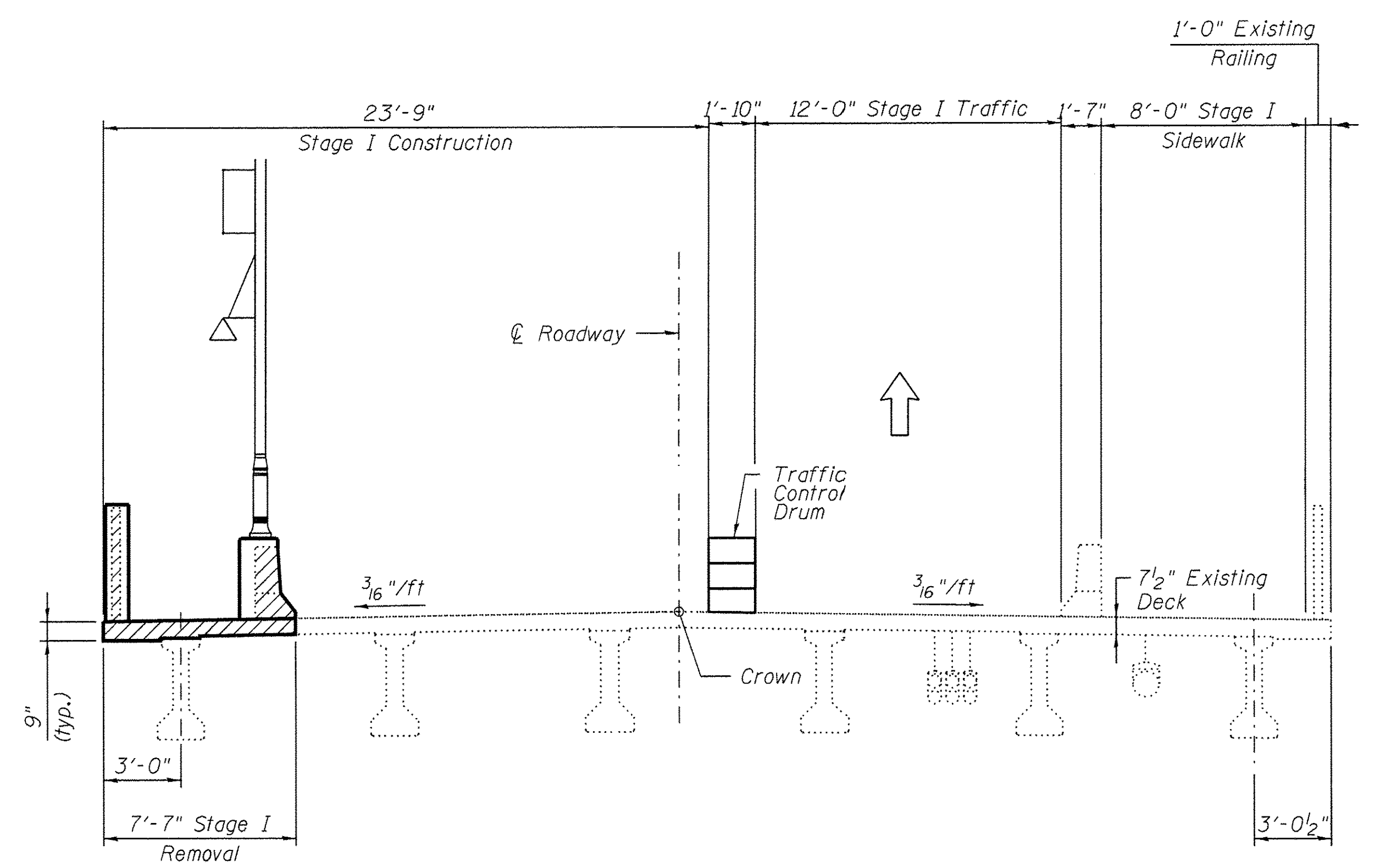
EXISTING SECTION
(Typical, Looking East)



STAGE I CONSTRUCTION AND REMOVAL LIMITS
(STA 14+65.75 to 15+34.25, Looking East)



EXISTING SECTION
(At Lighting Detail, Looking East)



STAGE I CONSTRUCTION AND REMOVAL LIMITS
(STA 14+61.75 to 14+65.75 and STA 15+34.25 to 15+38.25 at Lighting Details, Looking East)

Legend
[Hatched Box] Removal

Michael Baker INTERNATIONAL

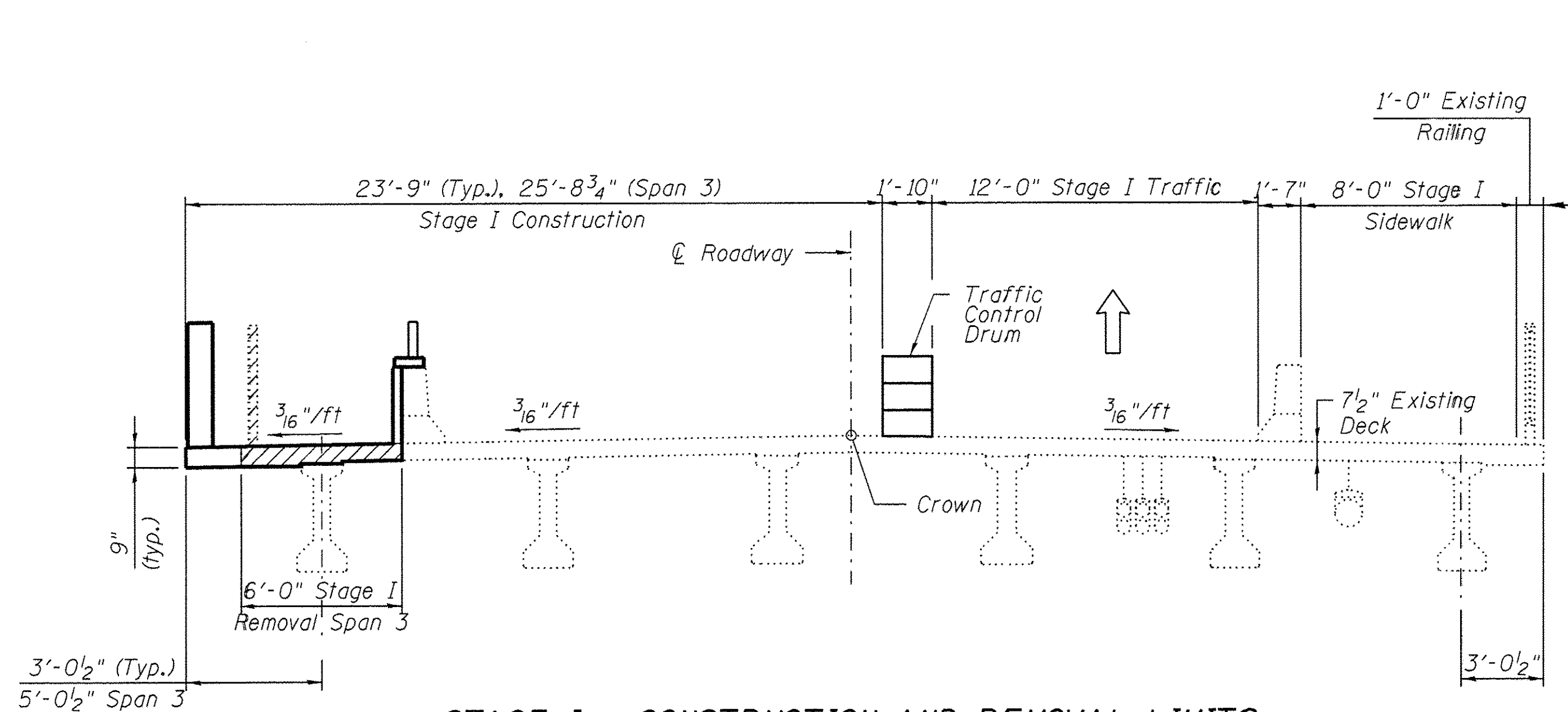
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PLOT SCALE =	CHECKED - DFM	REVISSED -
PLOT DATE =	DRAWN - MLS	REVISSED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

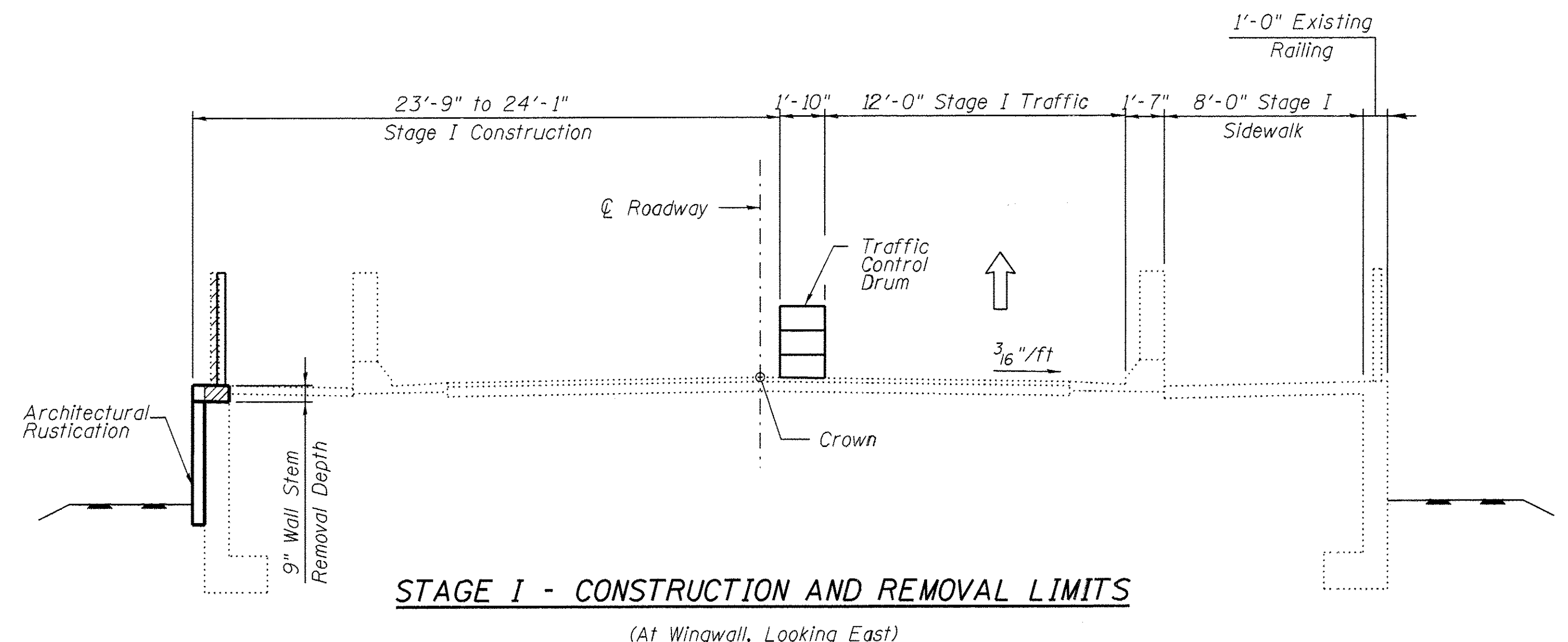
**STAGE CONSTRUCTION AND REMOVAL SEQUENCE I
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128**

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 29
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
ILLINOIS		FED. AID PROJECT		

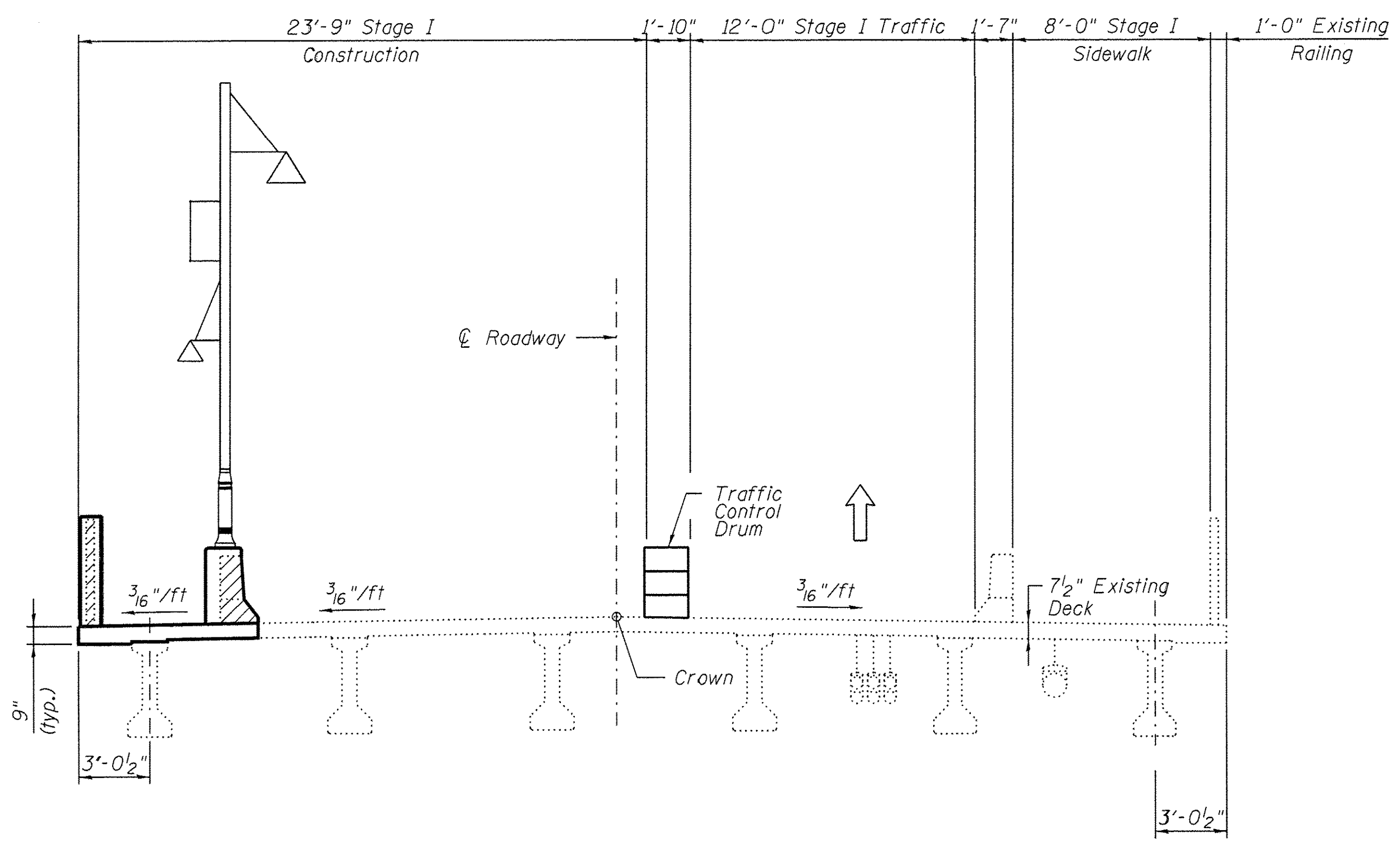
SHEET NO. 4 OF 24 SHEETS



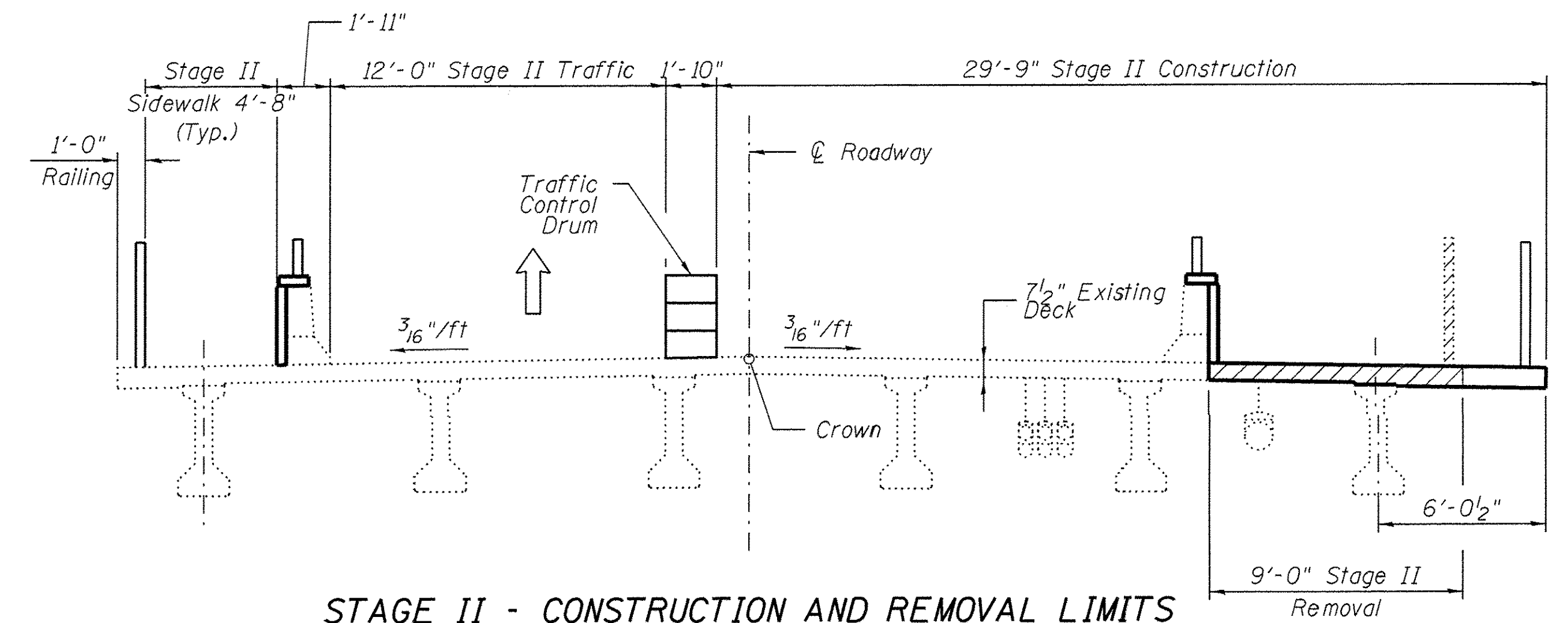
STAGE I - CONSTRUCTION AND REMOVAL LIMITS
(At Bollards, Looking East)



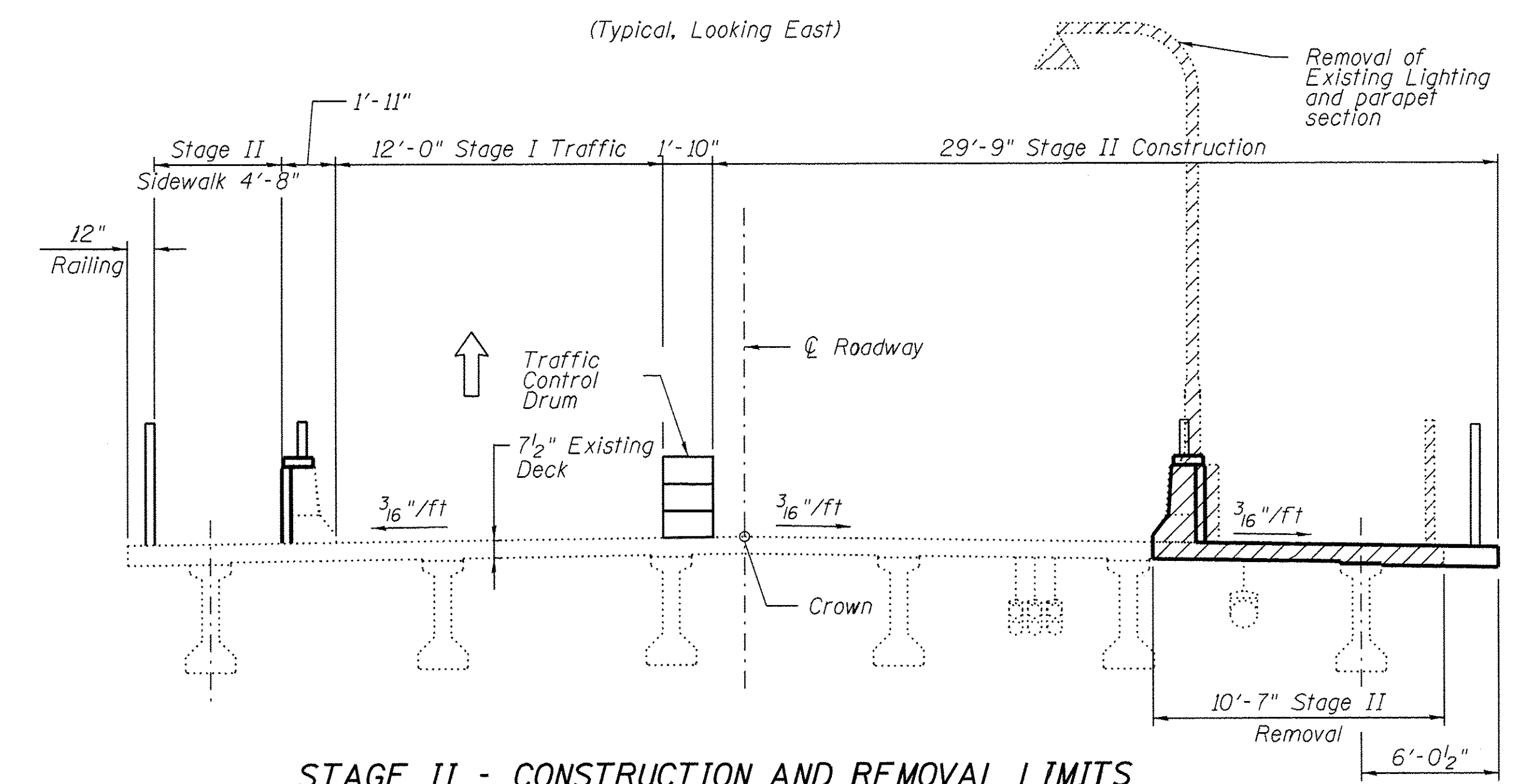
STAGE I - CONSTRUCTION AND REMOVAL LIMITS
(At Wingwall, Looking East)



STAGE I - CONSTRUCTION AND REMOVAL LIMITS
(STA 14+62.00 to 15+37.50 at Lighting Details, Looking East)



STAGE II - CONSTRUCTION AND REMOVAL LIMITS
(Typical, Looking East)



STAGE II - CONSTRUCTION AND REMOVAL LIMITS
(At Existing Lighting Detail, Looking East)

Legend

Removal

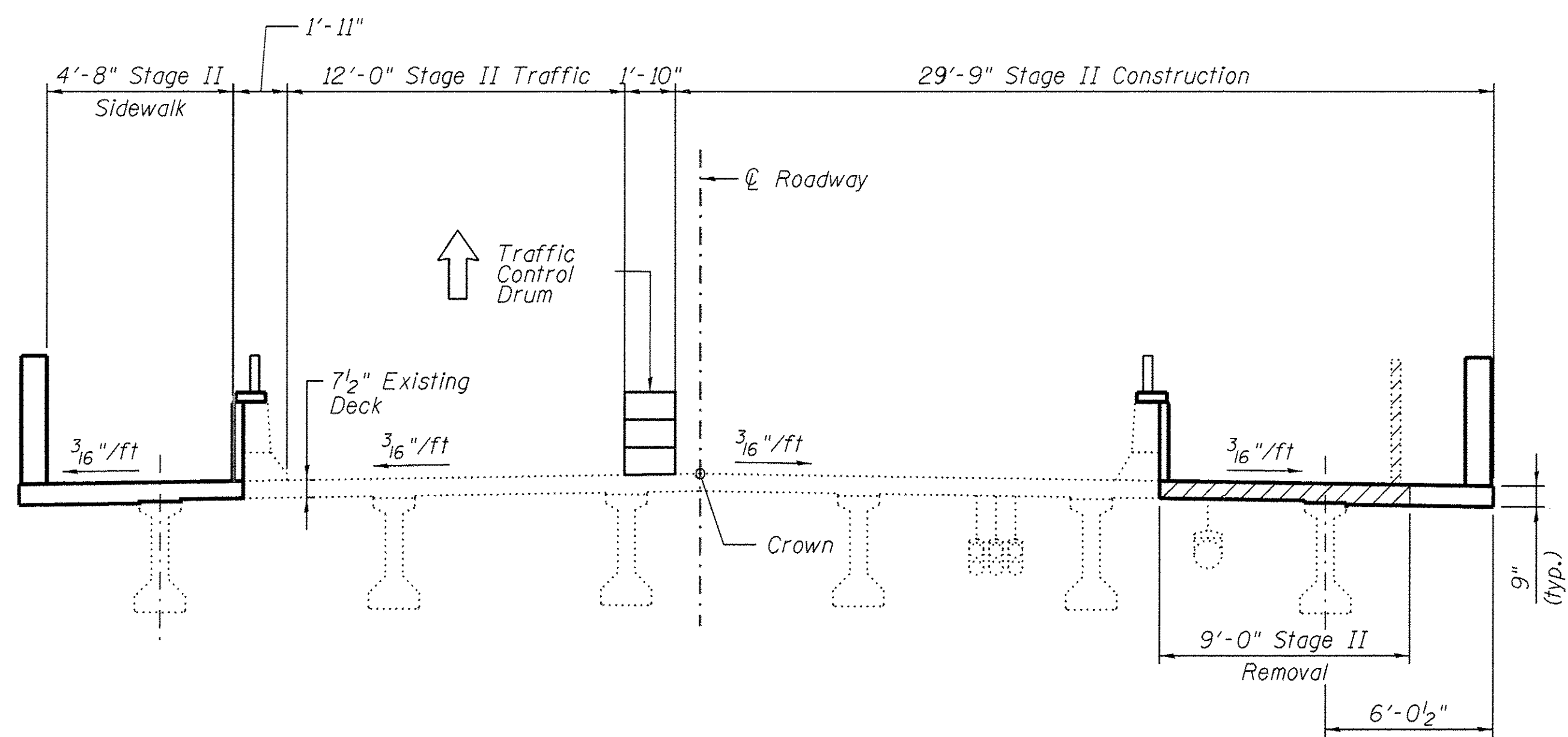
Michael Baker
INTERNATIONAL

USER NAME =	DESIGNED - JMK	REVISED -
PLOT SCALE =	CHECKED - DFM	REVISED -
PLOT DATE =	DRAWN - EML	REVISED -
	CHECKED - DFM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

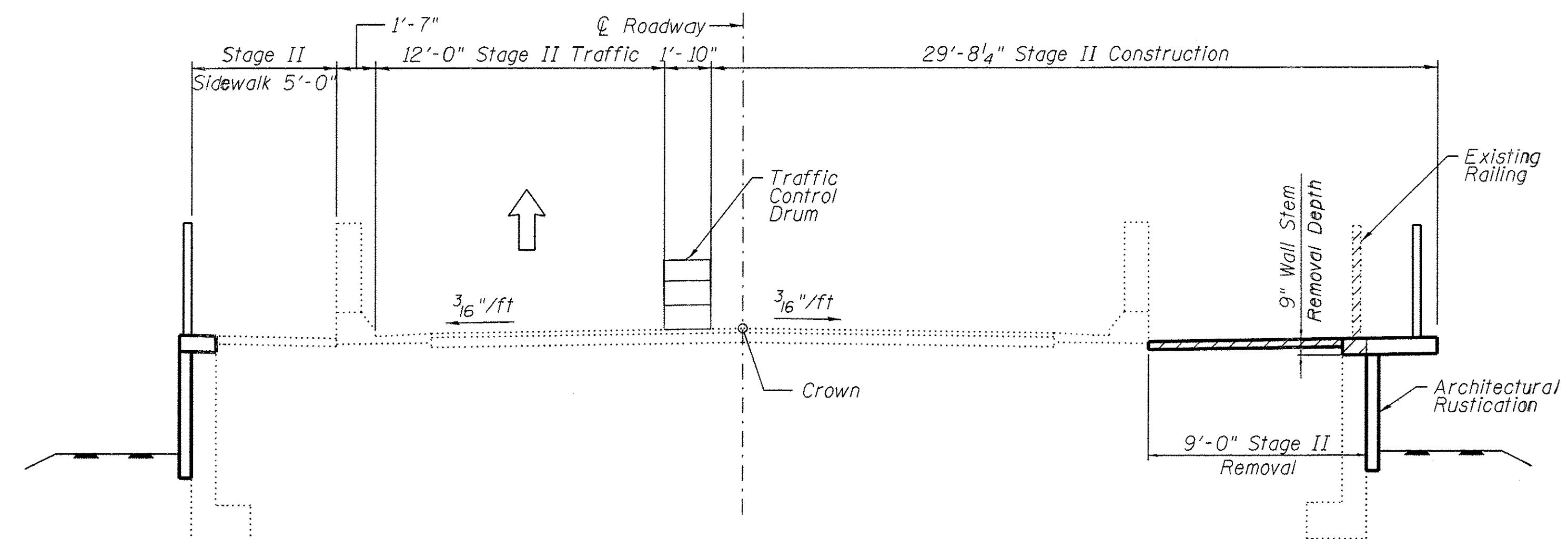
STAGE CONSTRUCTION AND REMOVAL SEQUENCE II
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128
SHEET NO. 5 OF 24 SHEETS

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 30
JOB NO. C-91-286-13			CONTRACT NO. 61C17	
ILLINOIS			FED. AID PROJECTS	



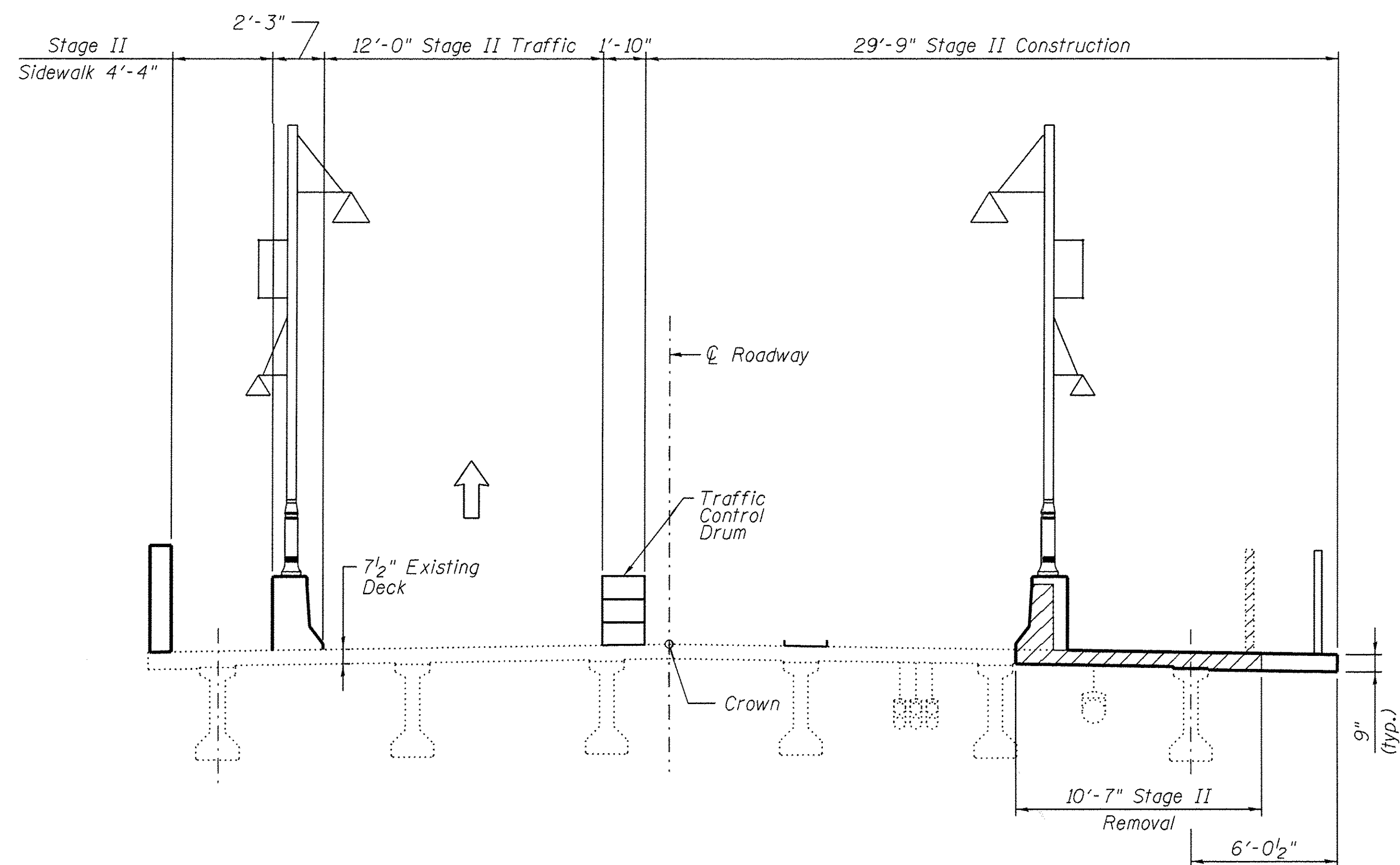
STAGE II - CONSTRUCTION AND REMOVAL LIMITS

(At Bollard, Looking East)



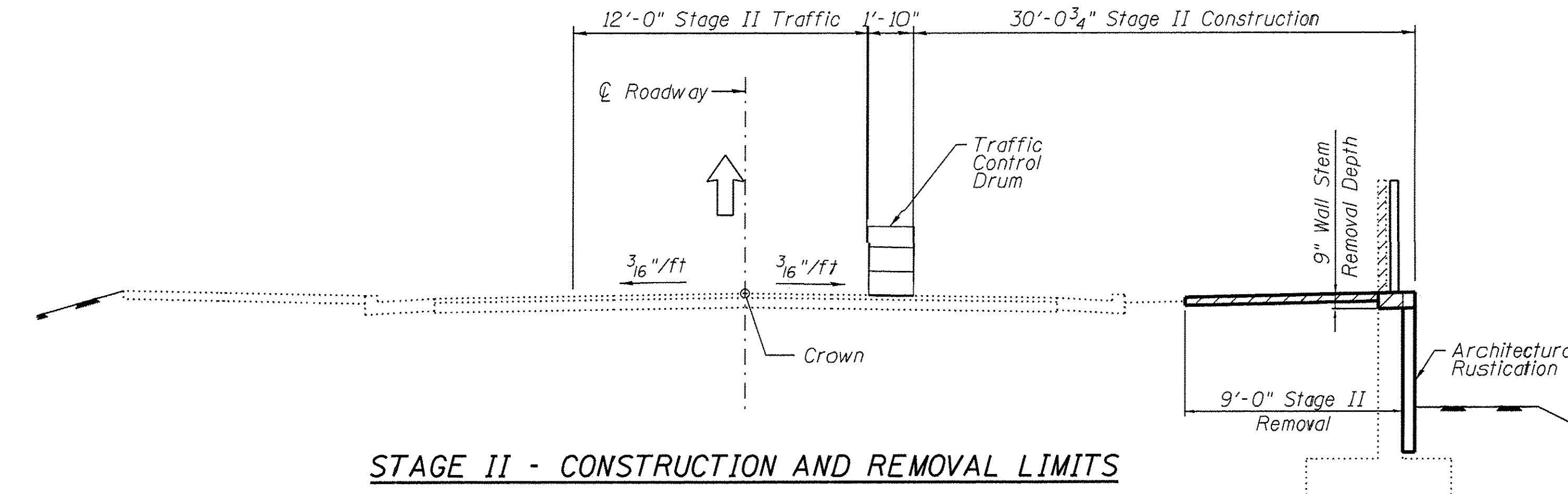
STAGE II - CONSTRUCTION AND REMOVAL LIMITS

(At Wingwall, Looking East)



STAGE II - CONSTRUCTION AND REMOVAL LIMITS

(At Proposed Lighting Detail, Looking East)



STAGE II - CONSTRUCTION AND REMOVAL LIMITS

(At Retaining Wall, Looking East)

NOTES

Existing roadway lighting is attached to the South concrete traffic barrier structure. Existing lighting should be removed and new proposed lighting will be installed at new locations.

Full height of concrete bridge parapet and deck shall be removed at the existing roadway lighting & proposed new lighting locations. New concrete deck and concrete barrier to be installed at these locations to support the new proposed lighting. New concrete bridge parapet to match the existing concrete parapet in kind. Except on the north side at abutments, Pier 1 and Pier 4, where only the parapet will be removed and replaced.

During construction, eastbound traffic will remain on the bridge and westbound traffic will be detoured. See roadway maintenance of traffic drawings for more details.

Utilities suspended from deck in proposed regions shall be temporarily supported during construction.

Temporary support of utilities is included in the cost of concrete removal.

Legend

Removal

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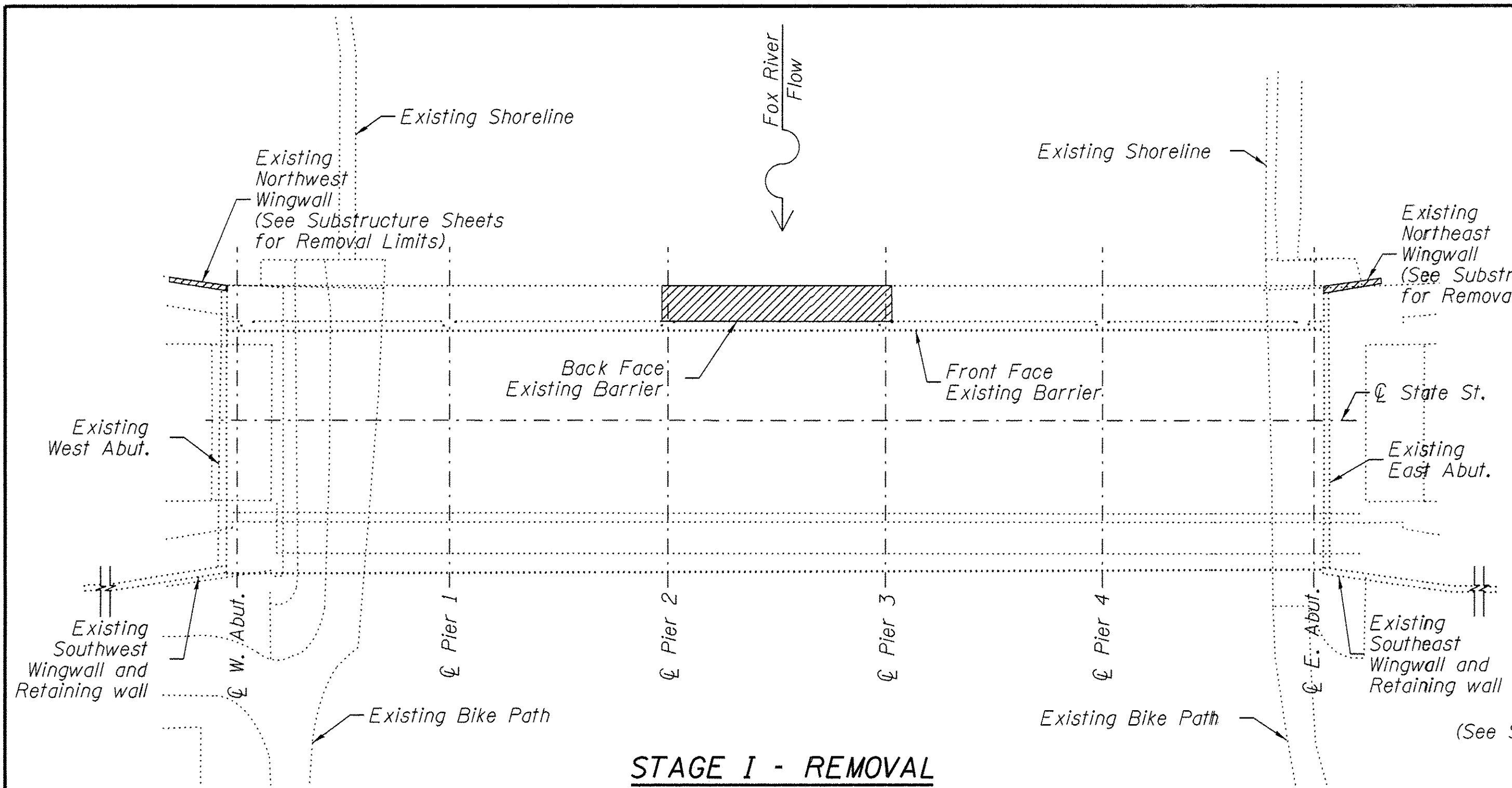
USER NAME =	DESIGNED - JMK	REVISED -
	CHECKED - DFM	REVISED -
PLOT SCALE =	DRAWN - EML	REVISED -
PLOT DATE =	CHECKED - DFM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

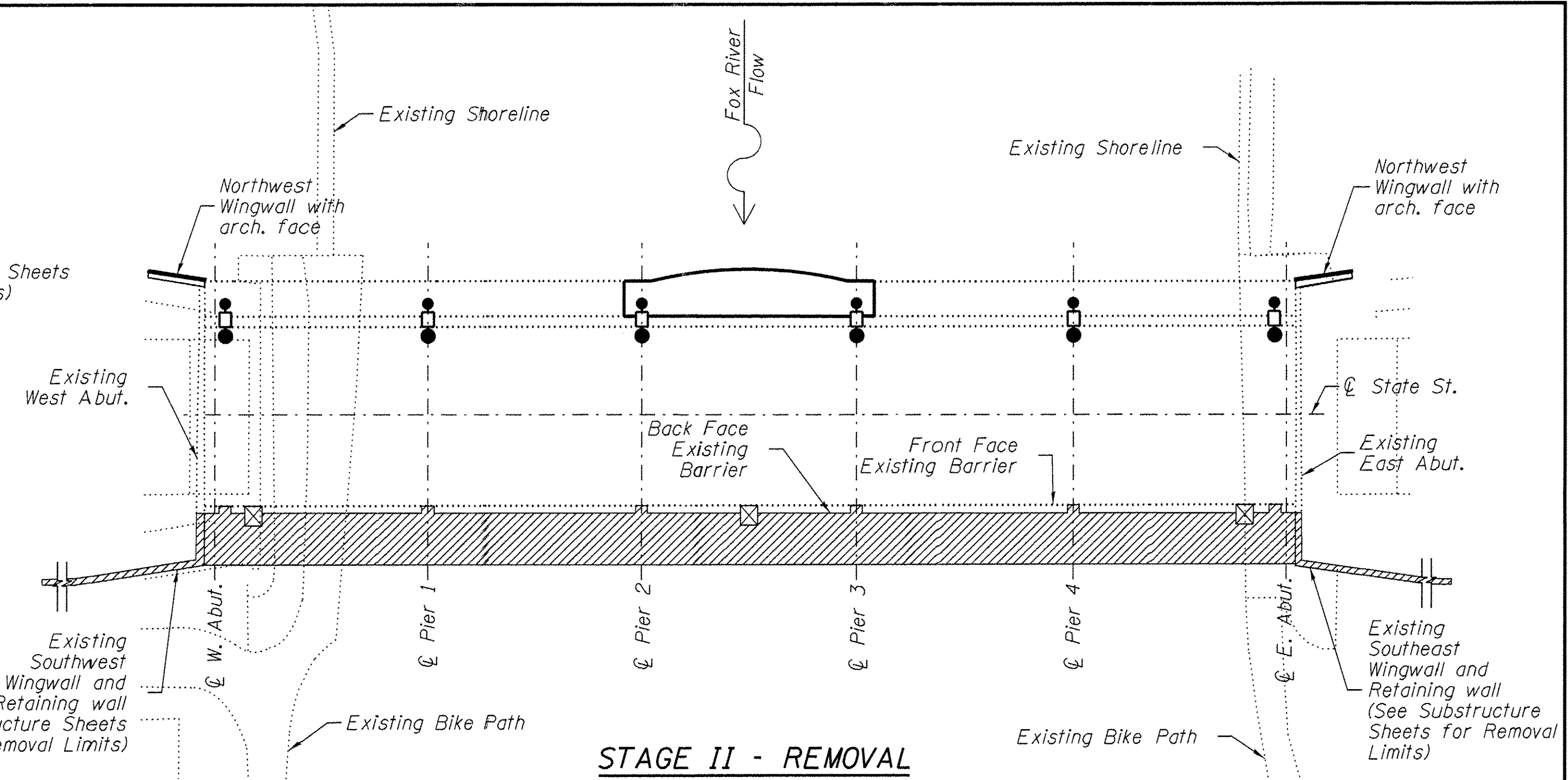
**STAGE CONSTRUCTION AND REMOVAL SEQUENCE III
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128**

SHEET NO. 6 OF 24 SHEETS

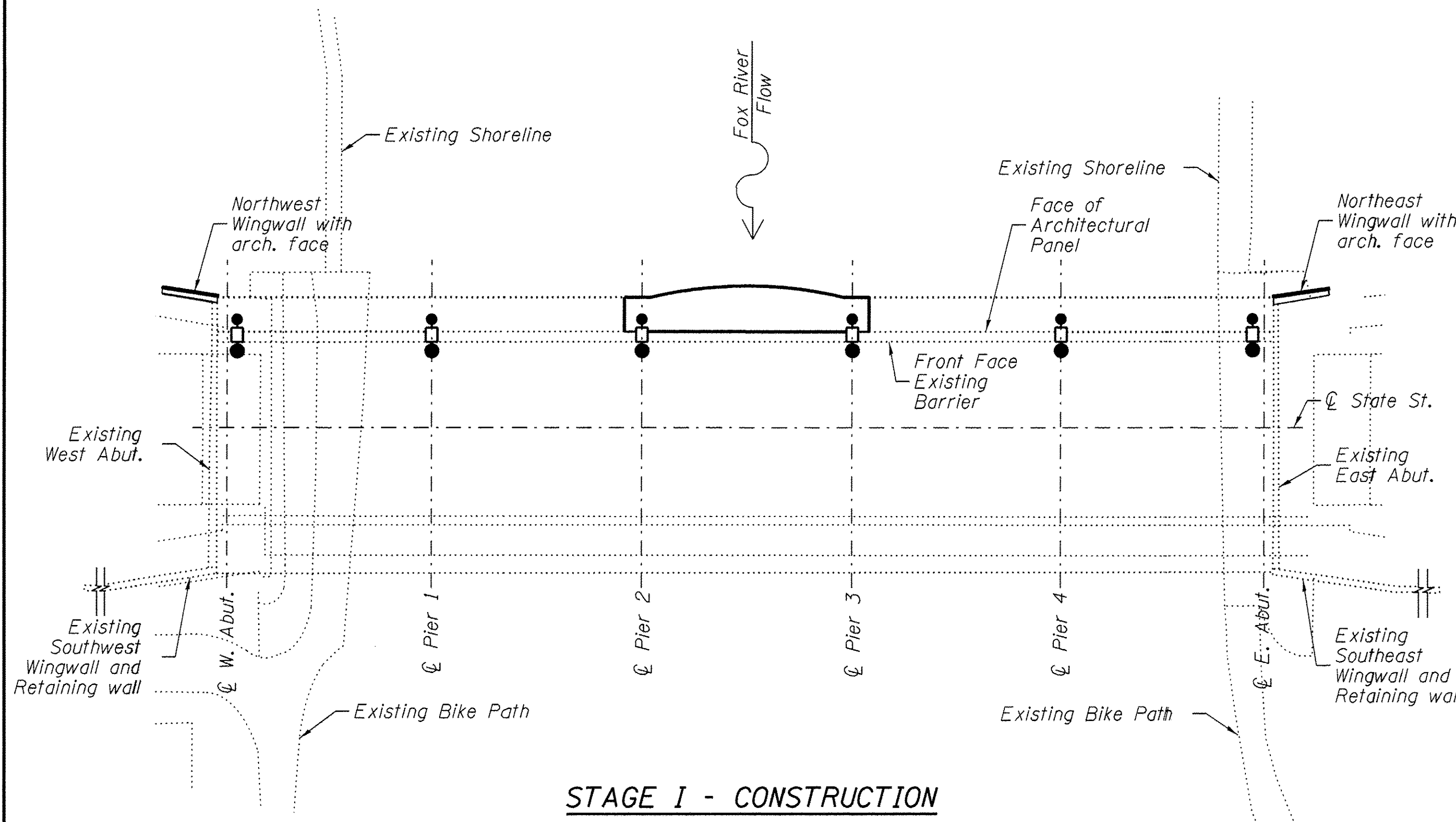
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	31
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
ILLINOIS		FED. AID PROJECT		



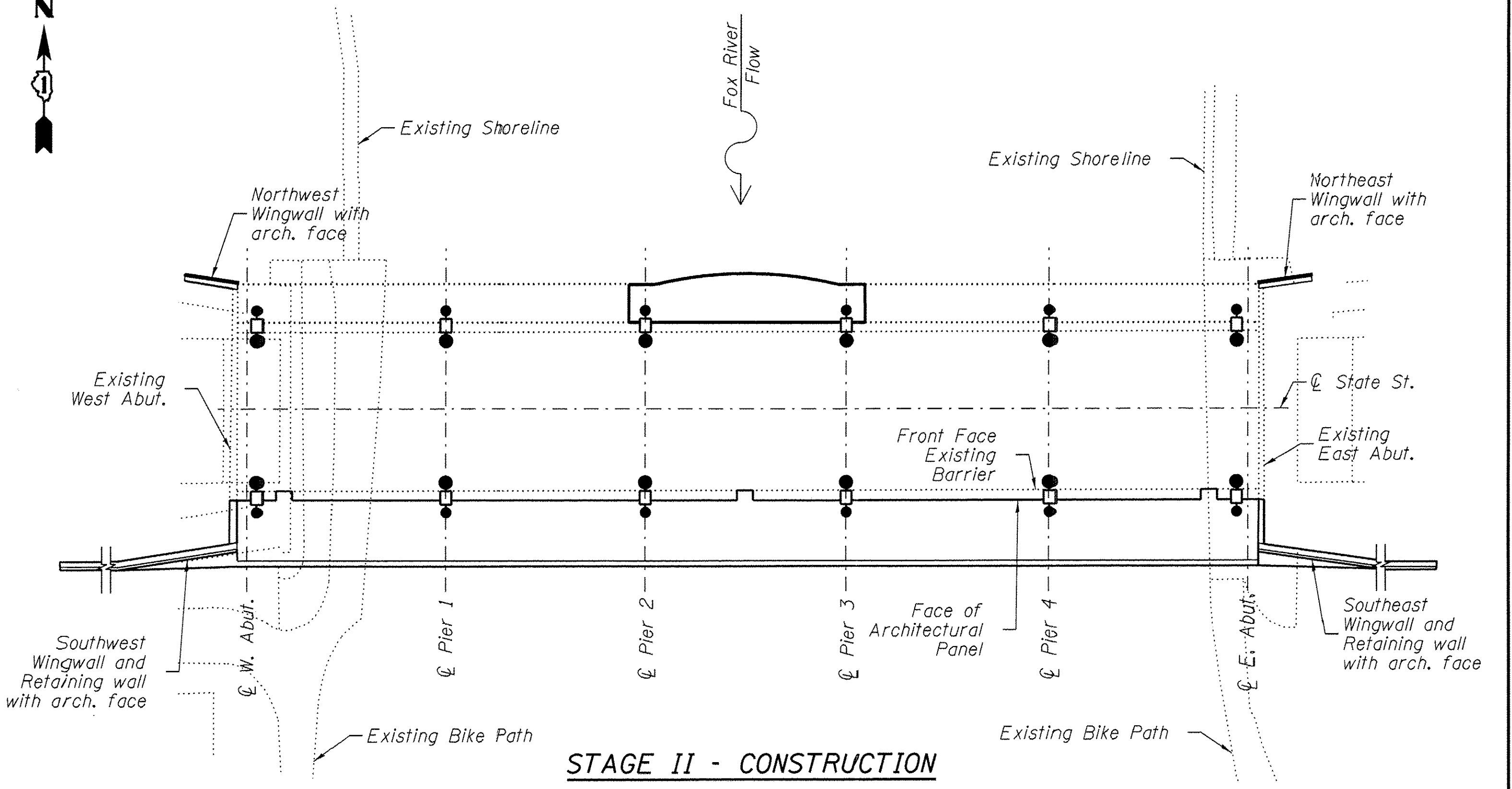
STAGE I - REMOVAL



STAGE II - REMOVAL



STAGE I - CONSTRUCTION

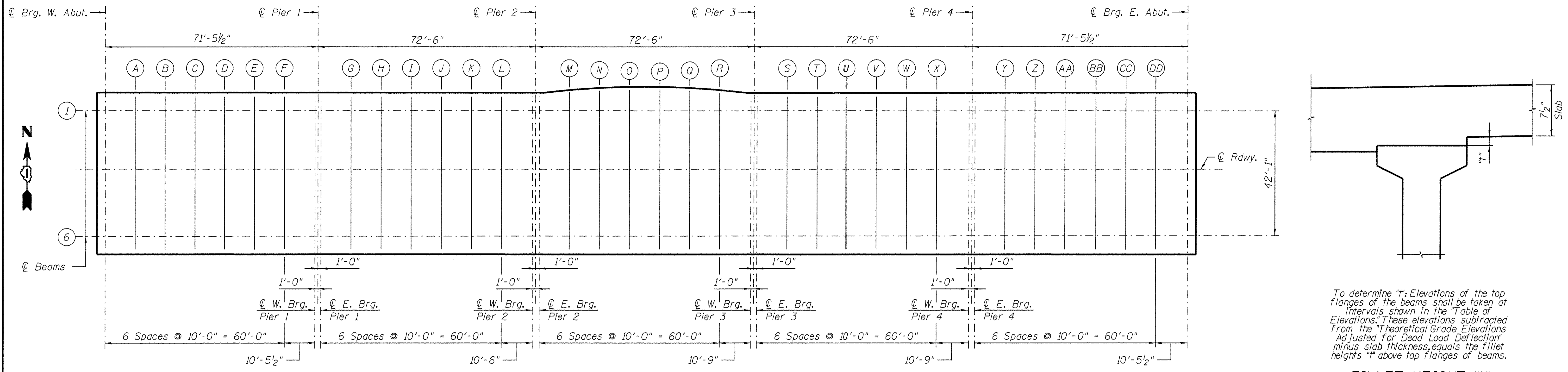


STAGE II - CONSTRUCTION



LEGEND

- Proposed Lighting
- Existing Light Removal
- Removal



PLAN

BEAM 1

BEAM 1 (Cont'd)

BEAM 6

BEAM 6 (Cont'd)

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection & Grinding
Back of W. Abut.	1317.000	-19.542	707.045	707.045
CL BRG W. Abut.	1319.792	-19.542	707.185	707.185
A	1329.792	-19.542	707.671	707.639
B	1339.792	-19.542	708.130	708.059
C	1349.792	-19.542	708.561	708.467
D	1359.792	-19.542	709.965	708.871
E	1369.792	-19.542	709.340	709.269
F	1379.792	-19.542	709.688	709.656
CL W BRG Pier 1	1390.252	-19.542	710.022	710.022
CL E BRG Pier 1	1392.252	-19.542	710.082	710.082
G	1402.252	-19.542	710.368	710.340
H	1412.252	-19.542	710.626	710.560
I	1422.252	-19.542	710.855	710.766
J	1432.252	-19.542	711.057	711.968
K	1442.252	-19.542	711.232	711.164
L	1452.252	-19.542	711.378	711.347
CL W BRG Pier 2	1462.752	-19.542	711.502	711.502
CL E BRG Pier 2	1464.752	-19.542	711.522	711.522
M	1474.752	-19.542	711.606	711.603
N	1484.752	-19.542	711.663	711.644
O	1494.752	-19.542	711.691	711.661
P	1504.752	-19.542	711.692	711.662
Q	1514.752	-19.542	711.645	711.645
R	1524.752	-19.542	711.610	711.606

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection & Grinding
CL W BRG Pier 3	1535.502	-19.542	711.520	711.520
CL E BRG Pier 3	1537.002	-19.542	711.505	711.505
S	1547.002	-19.542	711.388	711.360
T	1557.002	-19.542	711.244	711.178
U	1567.002	-19.542	711.072	711.983
V	1577.002	-19.542	710.872	710.783
W	1587.002	-19.542	710.644	710.576
X	1597.002	-19.542	710.388	710.357
CL W BRG Pier 4	1607.752	-19.542	710.082	710.082
CL E BRG Pier 4	1609.752	-19.542	710.022	710.022
Y	1619.752	-19.542	709.703	709.671
Z	1629.752	-19.542	709.357	709.286
AA	1639.752	-19.542	708.982	708.888
BB	1649.752	-19.542	708.580	708.486
CC	1659.752	-19.542	708.151	708.080
DD	1669.752	-19.542	707.693	707.661
CL BRG E. Abut.	1680.212	-19.542	707.185	707.185
Back of E. Abut.	1683.004	-19.542	707.045	707.045

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection & Grinding
Back of W. Abut.	1317.000	22.542	707.000	707.000
CL BRG W. Abut.	1319.792	22.542	707.140	707.140
A	1329.792	22.542	707.626	707.610
B	1339.792	22.542	708.085	708.041
C	1349.792	22.542	708.516	708.456
D	1359.792	22.542	708.920	708.860
E	1369.792	22.542	709.295	709.251
F	1379.792	22.542	709.643	709.626
CL W BRG Pier 1	1390.252	22.542	709.977	709.977
CL E BRG Pier 1	1392.252	22.542	710.037	710.037
G	1402.252	22.542	710.323	710.309
H	1412.252	22.542	710.581	710.542
I	1422.252	22.542	710.810	710.754
J	1432.252	22.542	711.012	710.956
K	1442.252	22.542	711.187	711.146
L	1452.252	22.542	711.333	711.318
CL W BRG Pier 2	1462.752	22.542	711.457	711.457
CL E BRG Pier 2	1464.752	22.542	711.477	711.477
M	1474.752	22.542	711.561	711.545
N	1484.752	22.542	711.618	711.575
O	1494.752	22.542	711.646	711.586
P	1504.752	22.542	711.647	711.587
Q	1514.752	22.542	711.620	711.575
R	1524.752	22.542	711.565	711.547

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection & Grinding
CL W BRG Pier 3	1535.502	22.542	711.475	711.475
CL E BRG Pier 3	1537.002	22.542	711.460	711.460
S	1547.002	22.542	711.343	711.329
T	1557.002	22.542	711.199	711.160
U	1567.002	22.542	711.027	710.971
V	1577.002	22.542	710.827	710.771
W	1587.002	22.542	710.599	710.558
X	1597.002	22.542	710.343	710.328
CL W BRG Pier 4	1607.752	22.542	710.037	710.037
CL E BRG Pier 4	1609.752	22.542	709.977	709.977
Y	1619.752	22.542	709.658	709.642
Z	1629.752	22.542	709.312	709.268
AA	1639.752	22.542	708.937	708.877
BB	1649.752	22.542	708.535	708.475
CC	1659.752	22.542	708.106	708.062
DD	1669.752	22.542	707.648	707.631
CL BRG E. Abut.	1680.212	22.542	707.140	707.140
Back of E. Abut.	1683.004	22.542	707.000	707.000



USER NAME =	DESIGNED - JMK	REVISED -
PLOT SCALE =	CHECKED - DFM	REVISED -
PLOT DATE =	DRAWN - EML	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK ELEVATIONS
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128
SHEET NO. 8 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	33
JOB NO. C-91-286-13			CONTRACT NO. 61C17	
ILLINOIS			FED. AID PROJECT	

Min Bar Laps

- #5 Bar - 3'-5" (deck only)
- #5 Bar - 2'-4" (parapet only)
- #6 Bar - 4'-1" (deck only)

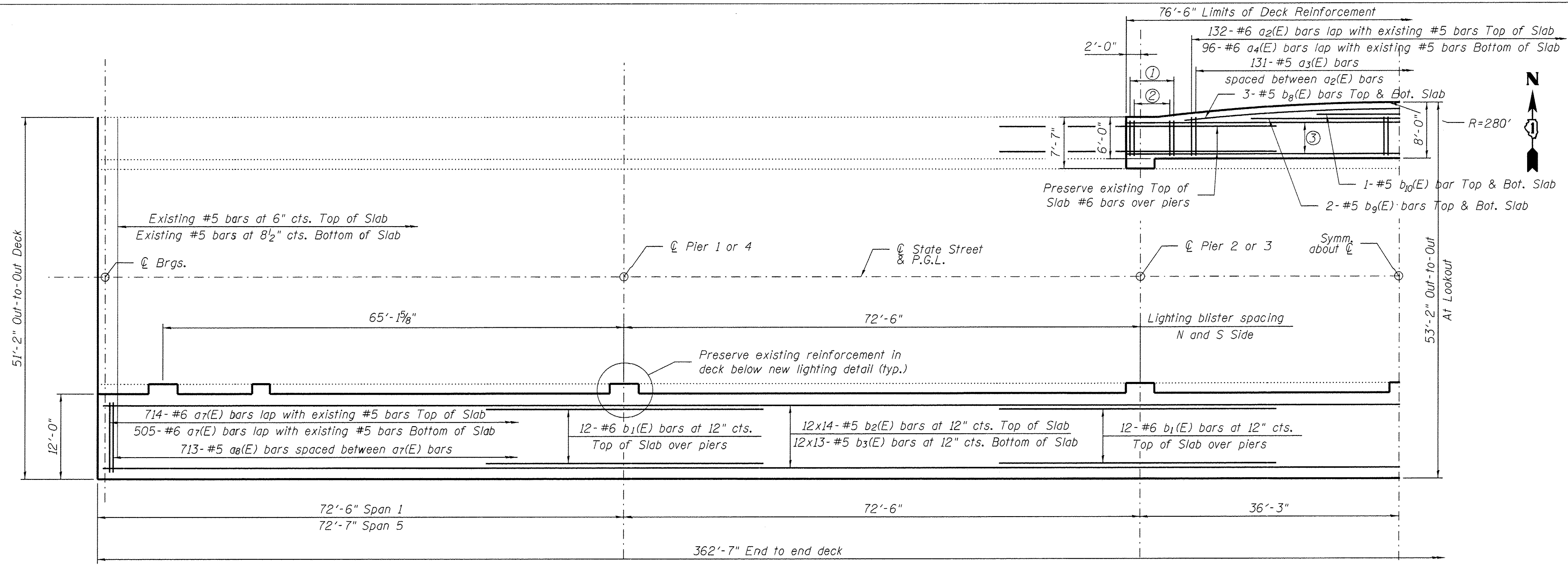
NOTES

Diaphragm and cantilever support reinforcement not shown for clarity. See sheet 15 for reinforcement.

See sheet 10 for alternate mechanical splicer detail. Mechanical splicer is required when minimum bar lap length with existing reinforcement is insufficient. Cost is included with Reinforcement Bars, Epoxy Coated pay item

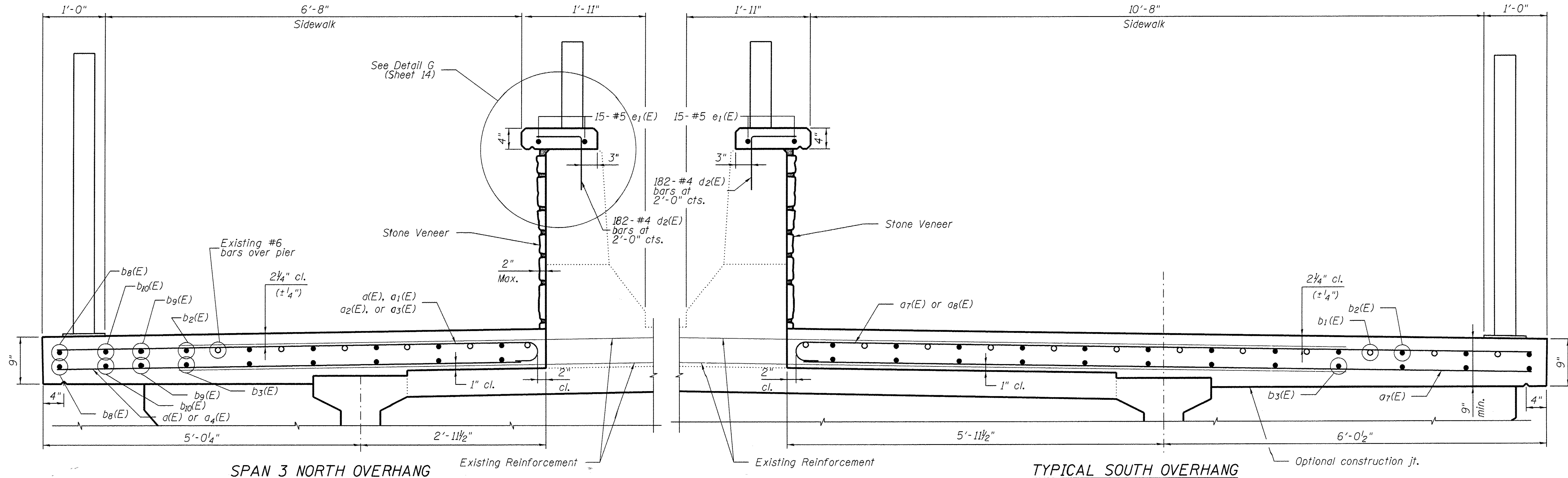
Stone veneer shall be in accordance with the special provisions.

- ① 11- #6 a(E) bars lap with existing #5 bars Top of Slab
8- #6 a(E) bars lap with existing #5 bars Bottom of Slab
- ② 10- #5 a₁(E) bars spaced between a(E) bars
- ③ 6x3- #5 b₂(E) bars at 12" cts Top of Slab
6x3- #5 b₃(E) bars at 12" cts Bottom of Slab



PLAN

(Parapet not shown for clarity)



SPAN 3 NORTH OVERHANG

(LOOKING EAST)

TYPICAL SOUTH OVERHANG

(LOOKING EAST)

Michael Baker INTERNATIONAL

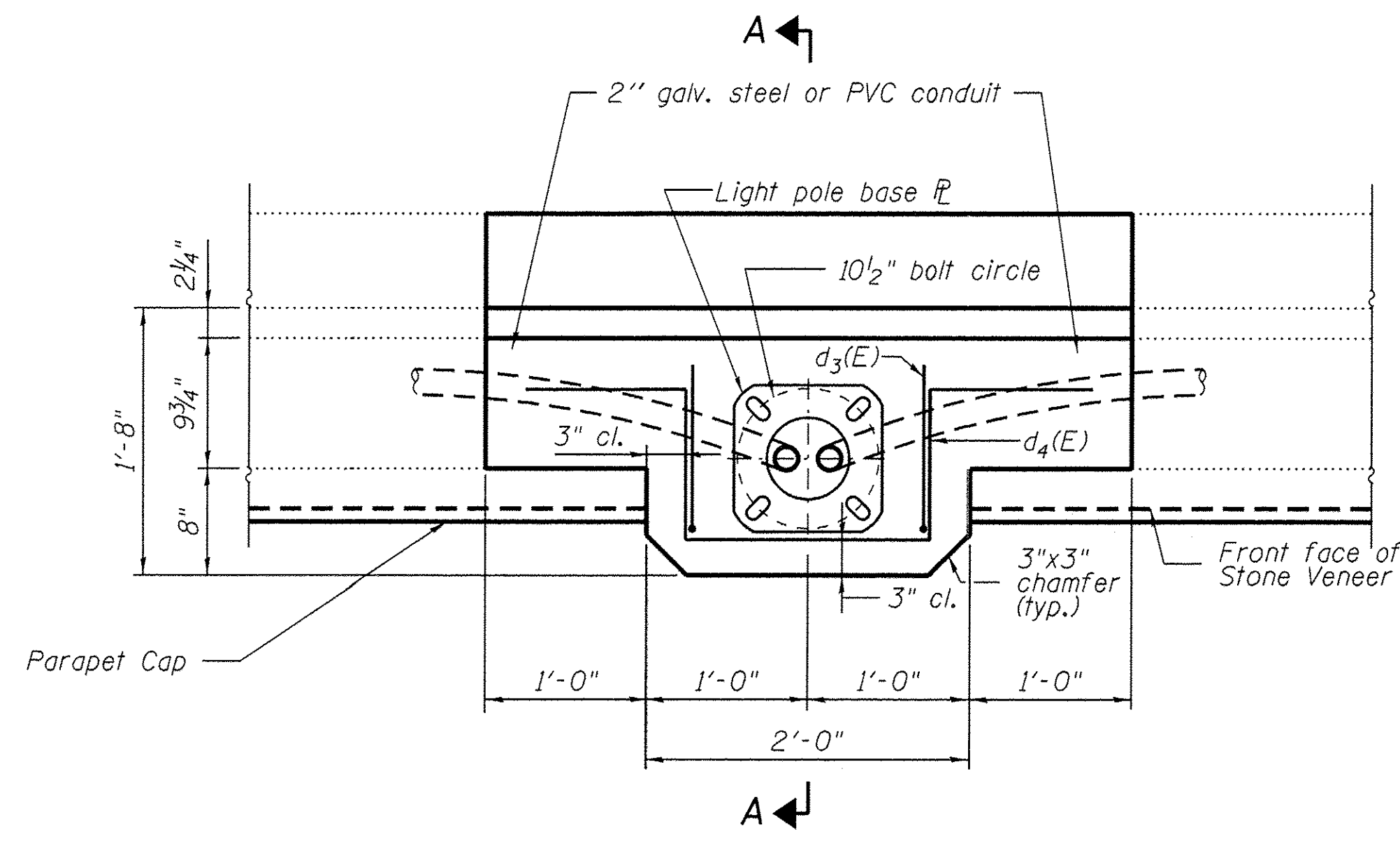
USER NAME =	DESIGNED - JMK	REVISED -
PLOT SCALE =	CHECKED - DFM	REVISED -
PLOT DATE =	DRAWN - MLS	REVISED -
	CHECKED - DFM	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

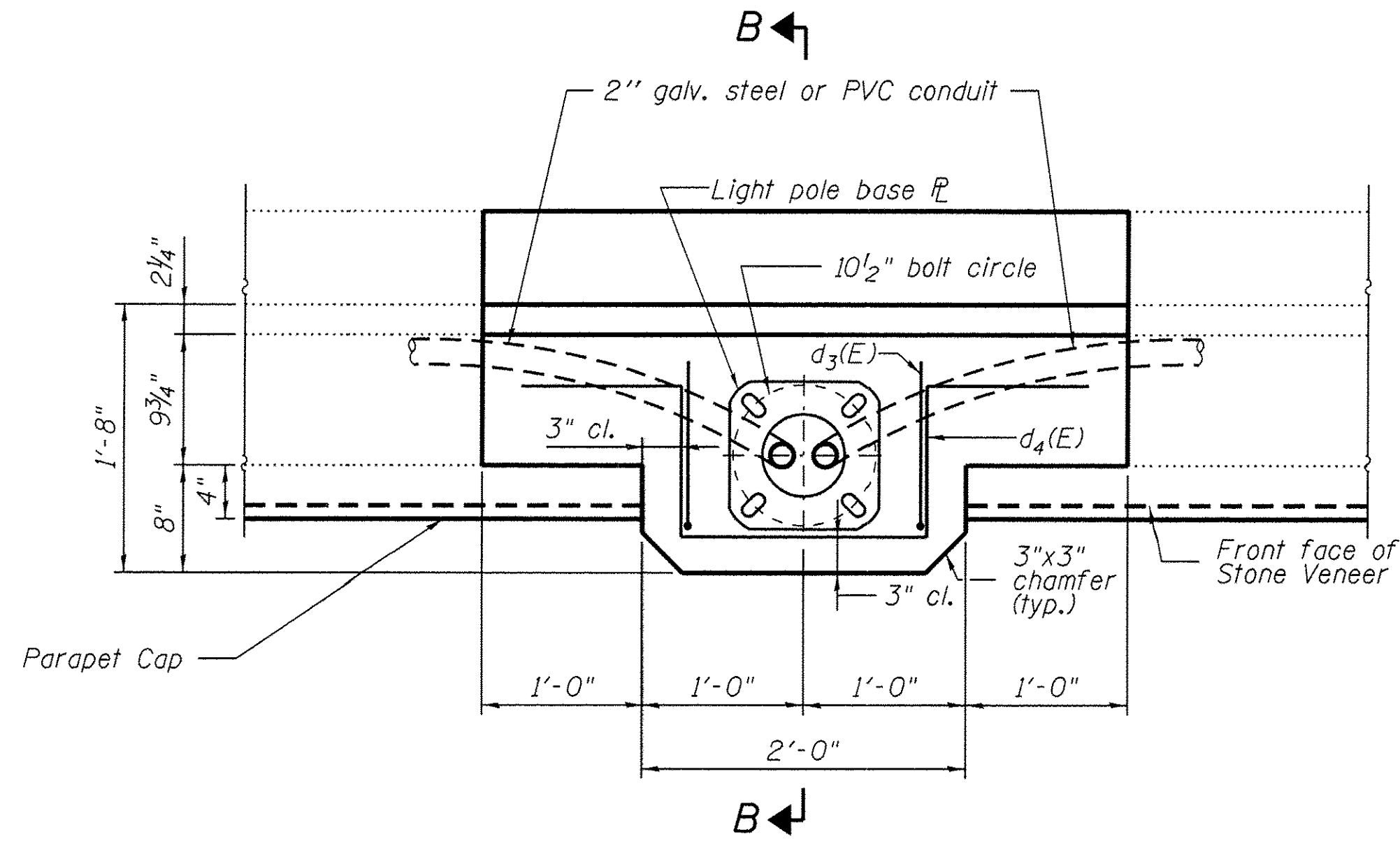
**SUPERSTRUCTURE PLAN AND CROSS SECTIONS I
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128**

SHEET NO. 9 OF 24 SHEETS

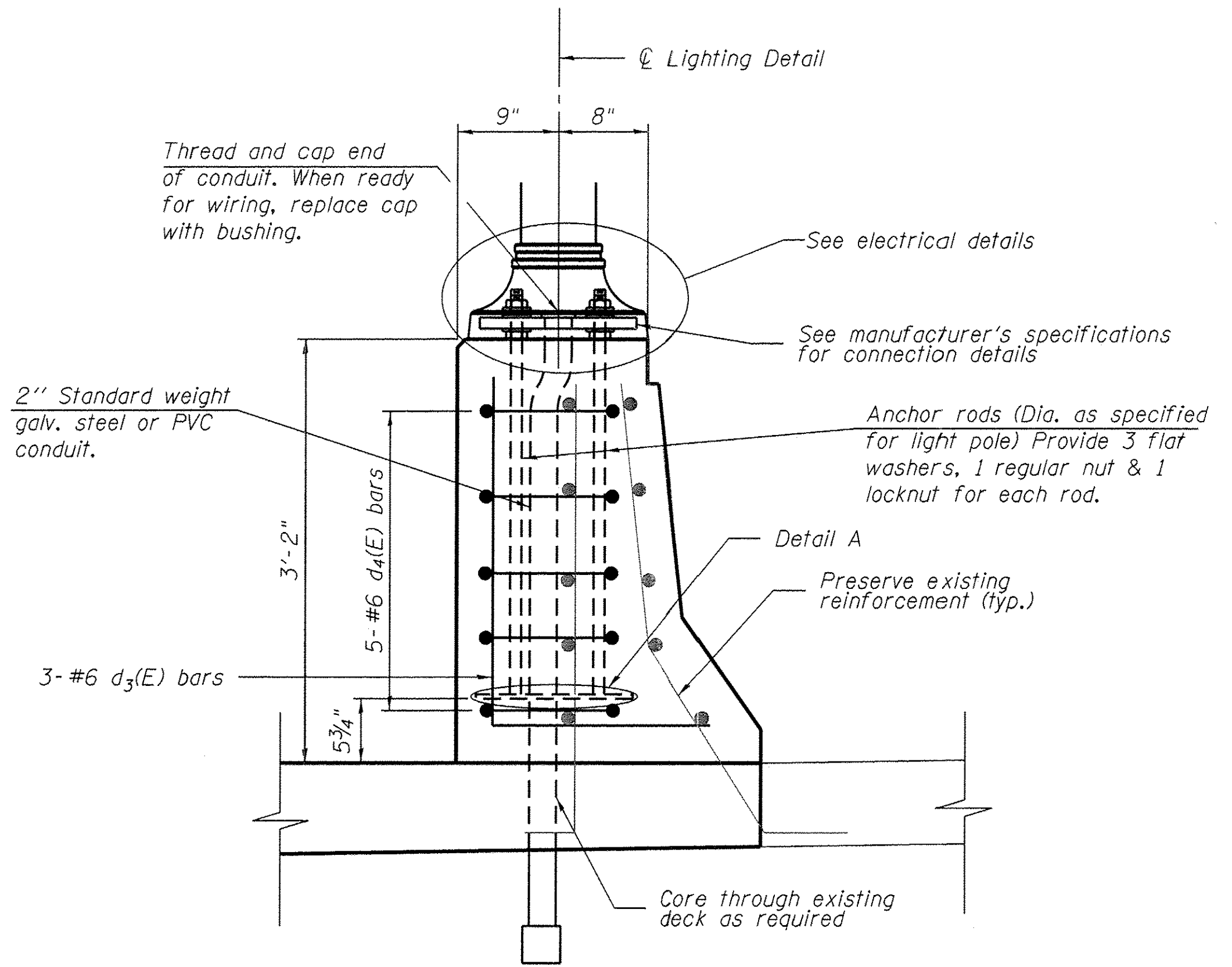
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	34
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
ILLINOIS		FED. AID PROJECT		



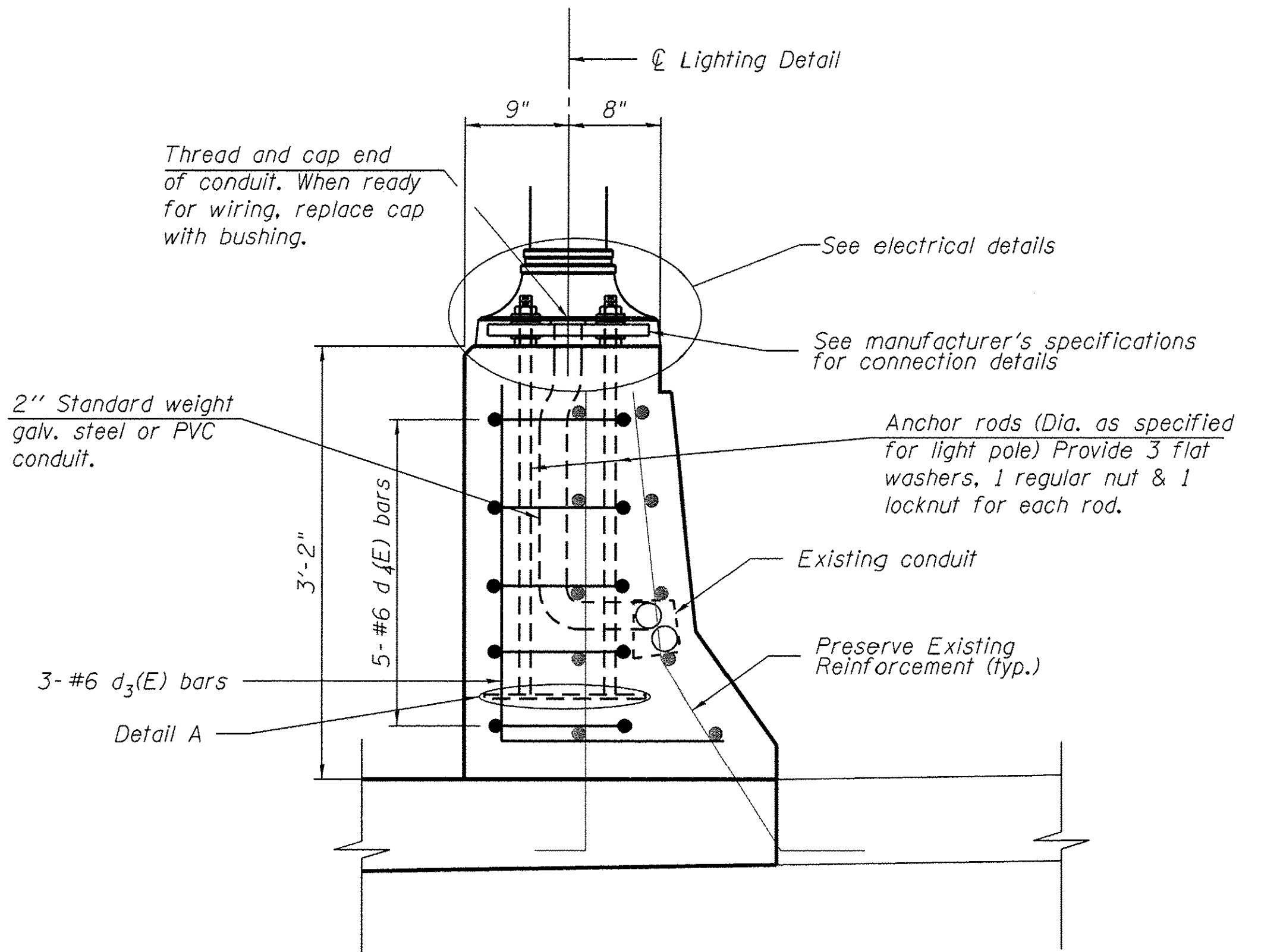
PLAN NORTH PARAPET AT LIGHT POLE



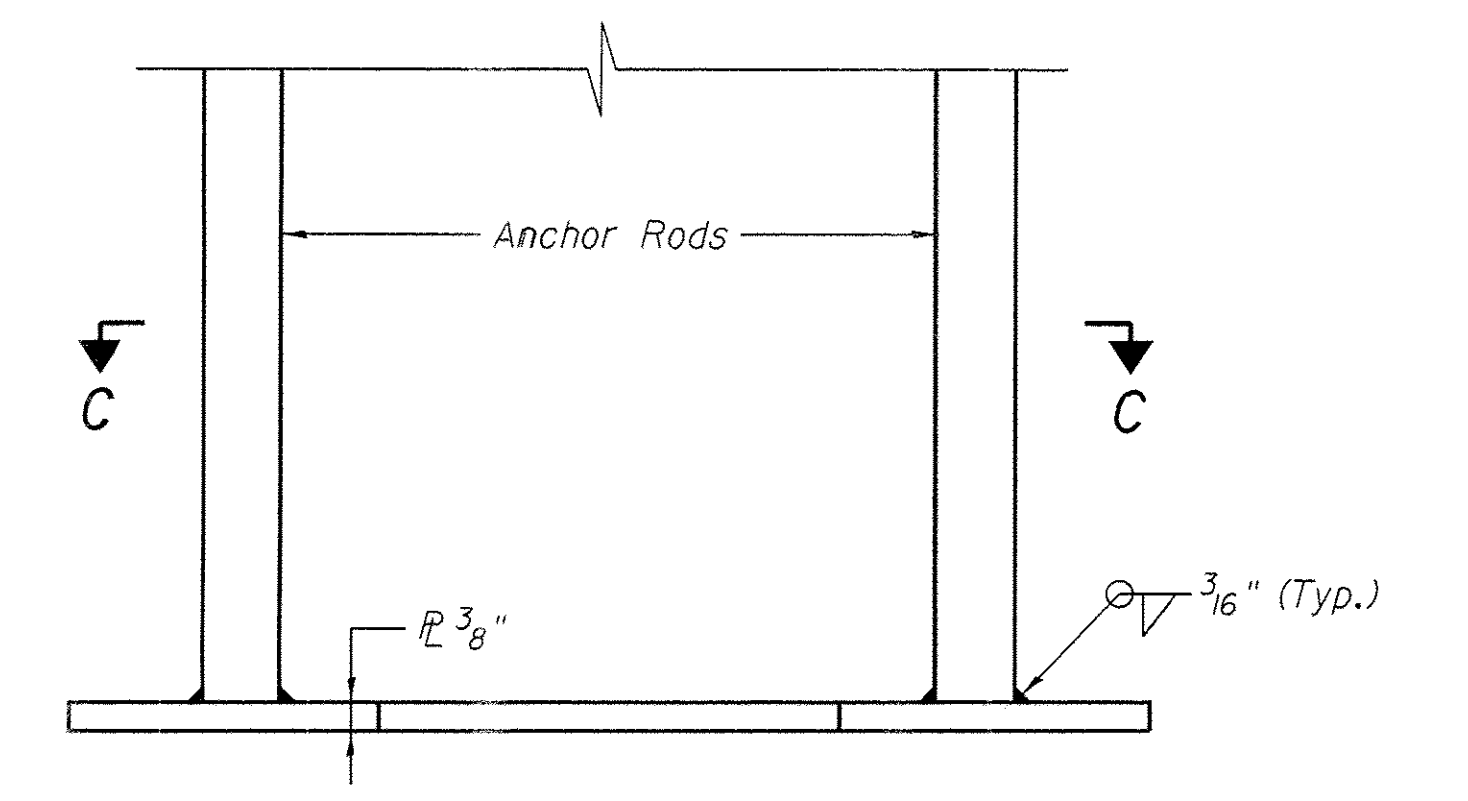
PLAN SOUTH PARAPET AT LIGHT POLE



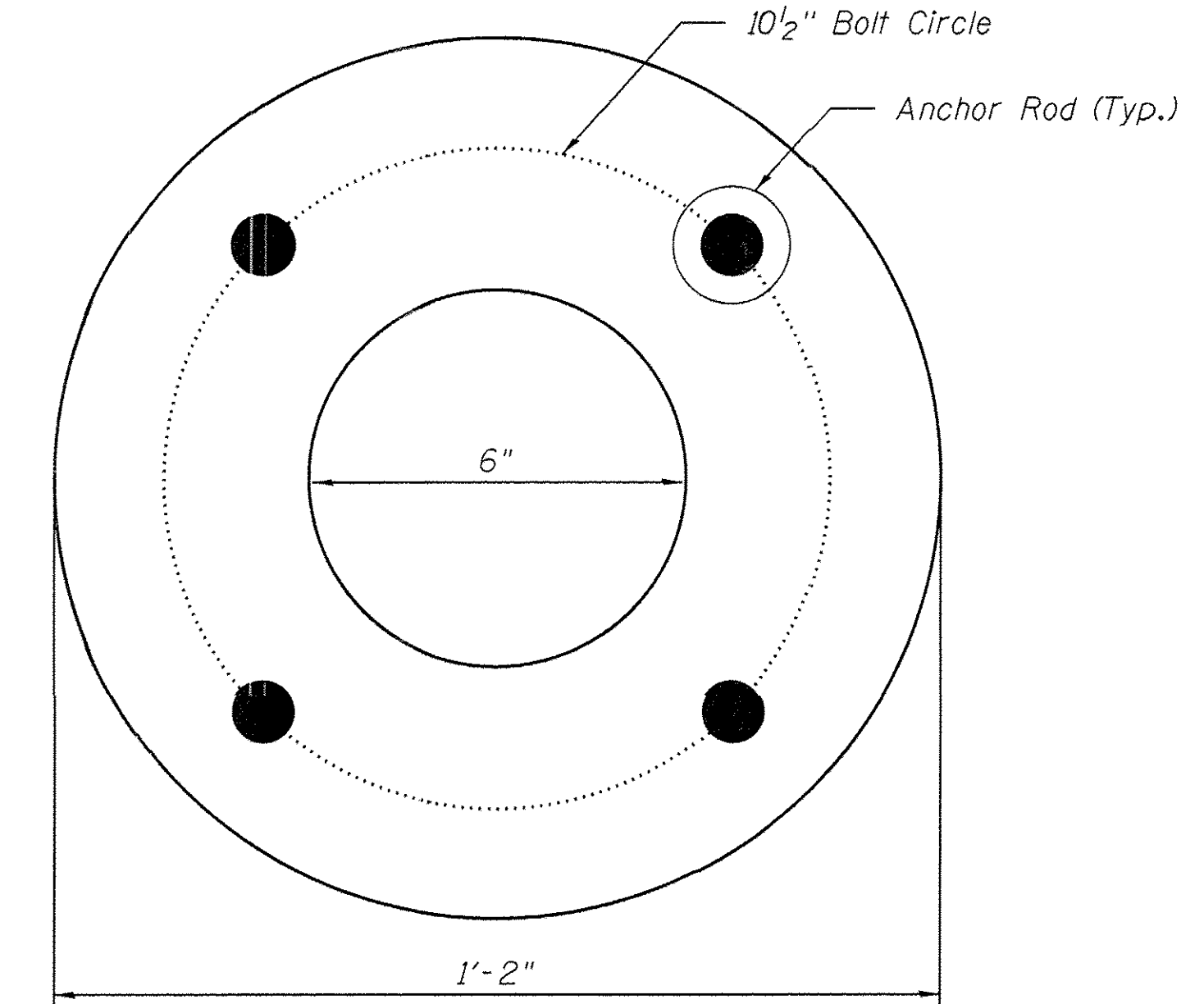
SECTION A-A



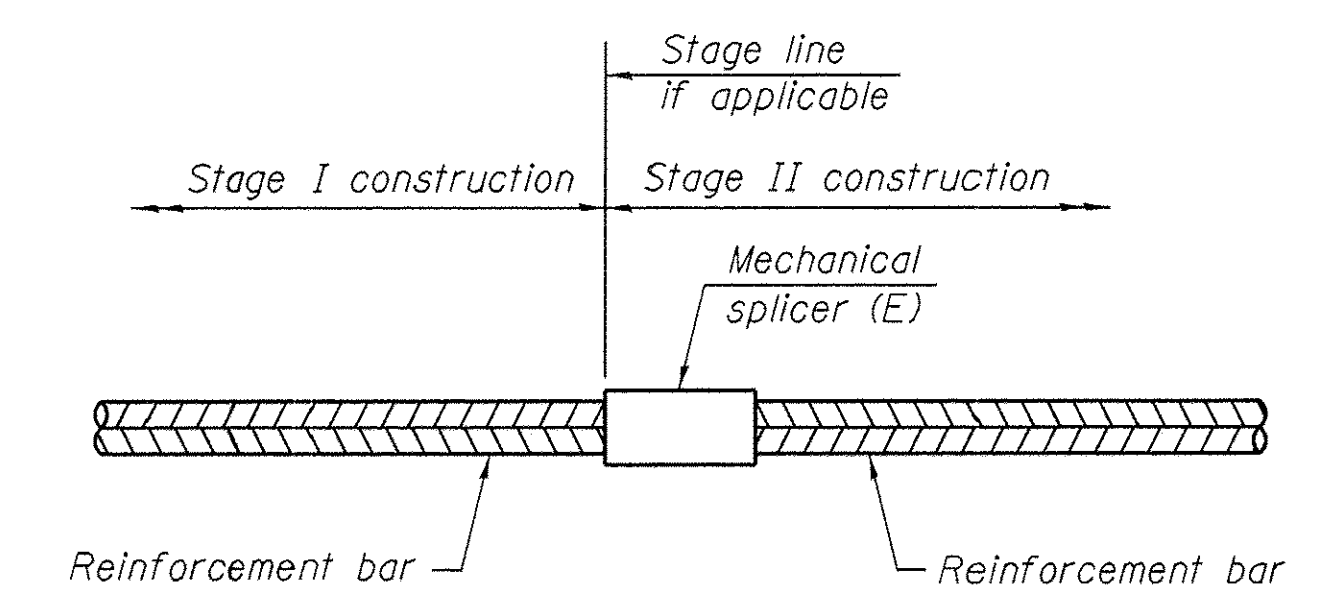
SECTION B-B



DETAIL A



SECTION C-C



STANDARD MECHANICAL SPLICER

NOTES

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

Cost of anchor rods and conduit is included with Concrete Superstructure.

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PLOT DATE =	DRAWN - EML	REVISED -
	CHECKED - DFM	REVISED -

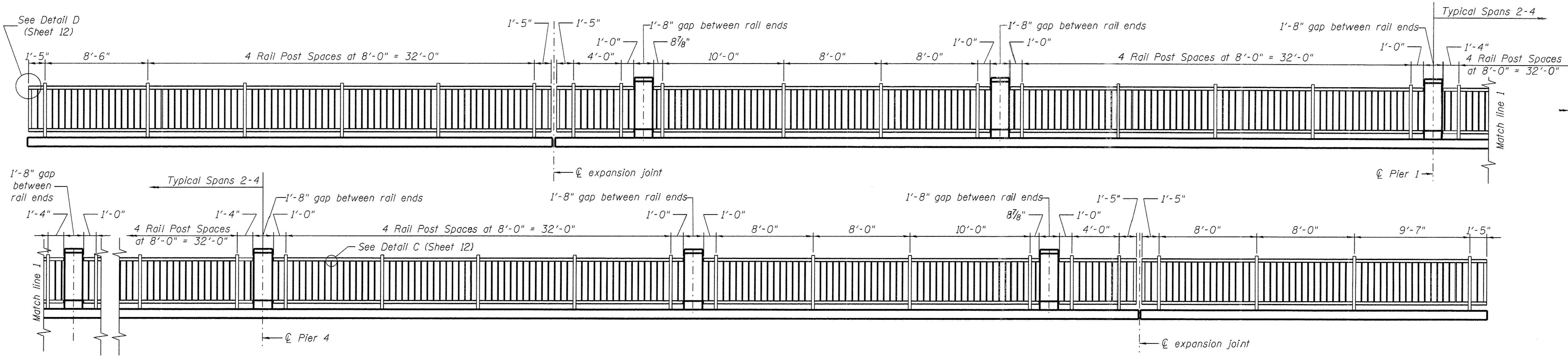
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128

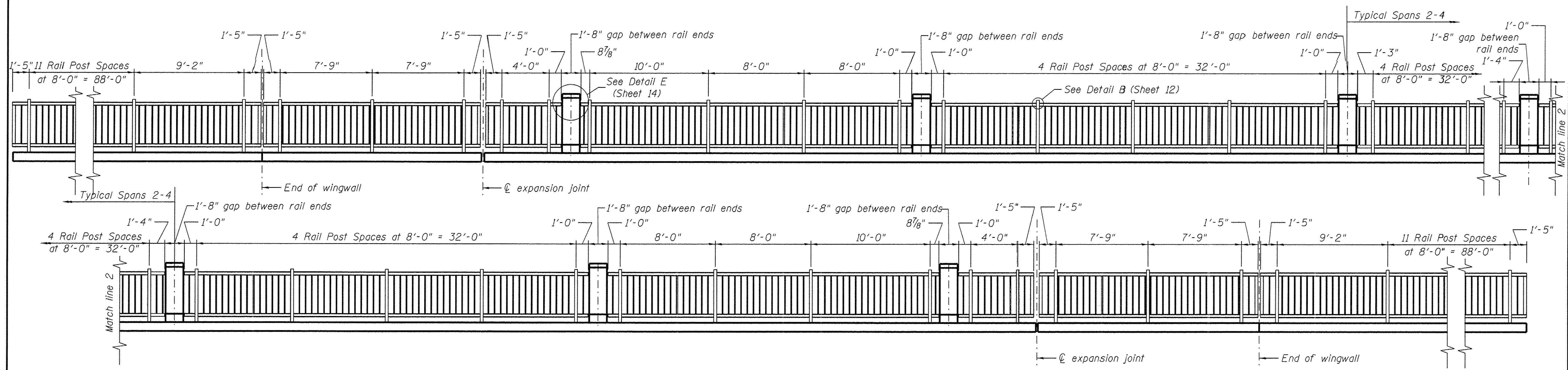
SHEET NO. 10 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	35
JOB NO. C-91-286-13	CONTRACT NO. 61C17			

ILLINOIS FED. AID PROJECT



ELEVATION - NORTH BICYCLE RAILING
(LOOKING NORTH)

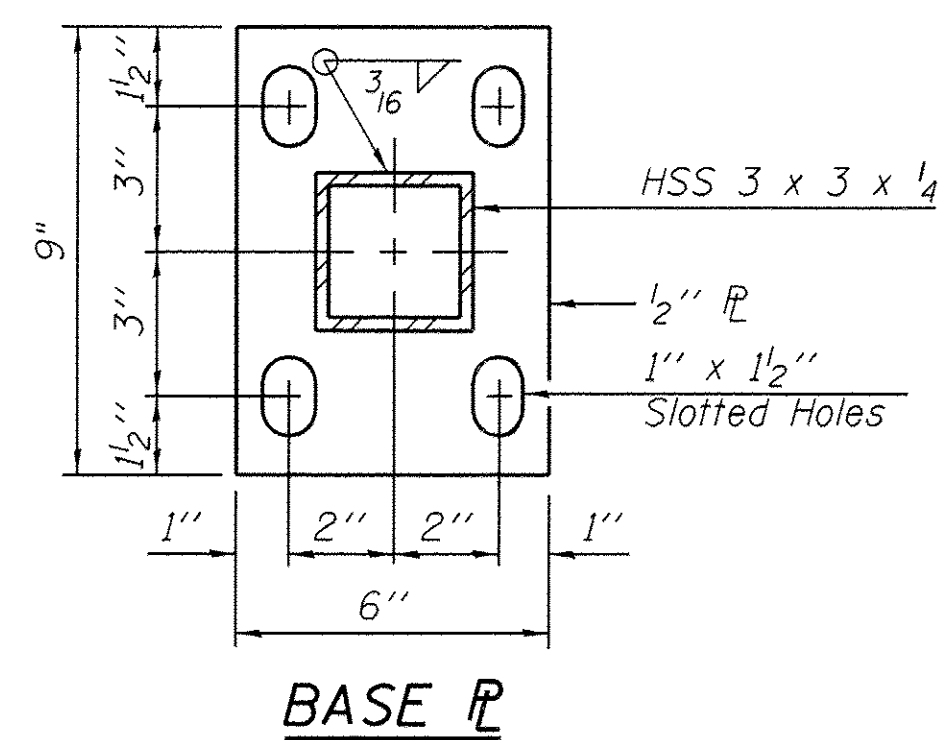


ELEVATION - SOUTH BICYCLE RAILING
(LOOKING NORTH)

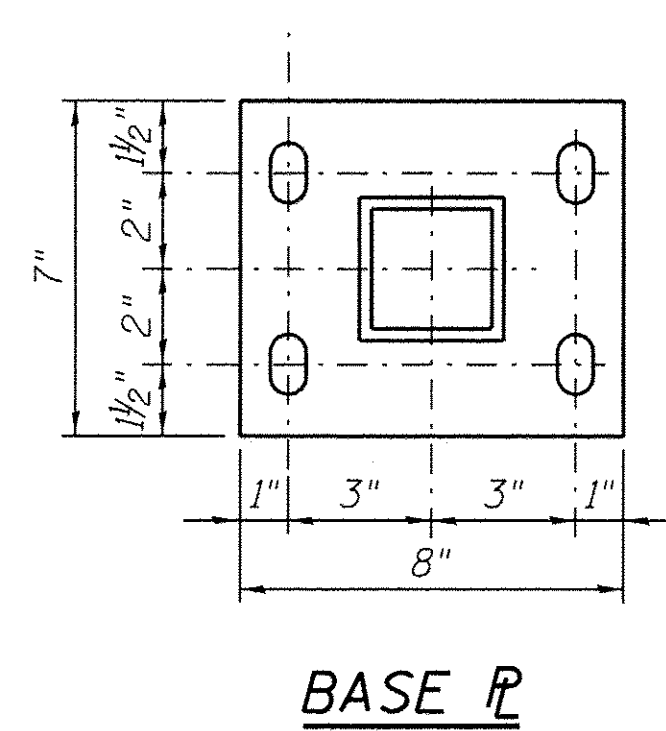
NOTES

All posts shall be normal to the parapet.
All joints in rail shall be spliced per detail. See Sheet 12. Splices shall be provided at the one quarter points of the horizontal rail span between posts and not more than three posts shall be included between any two splices.

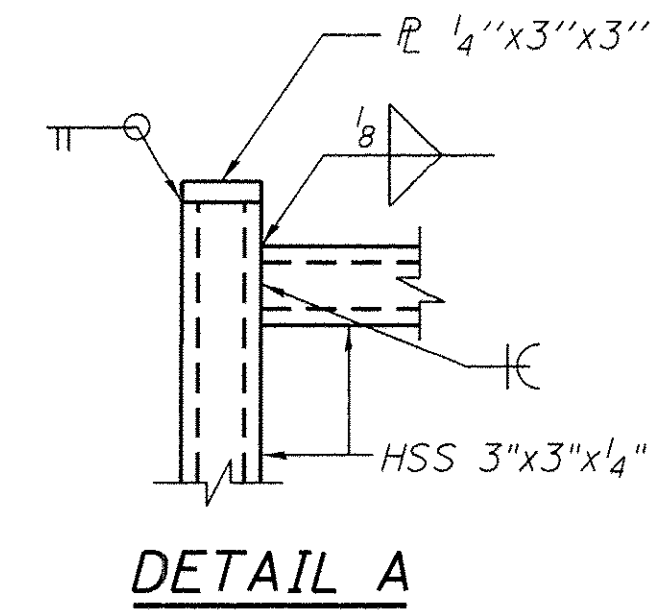
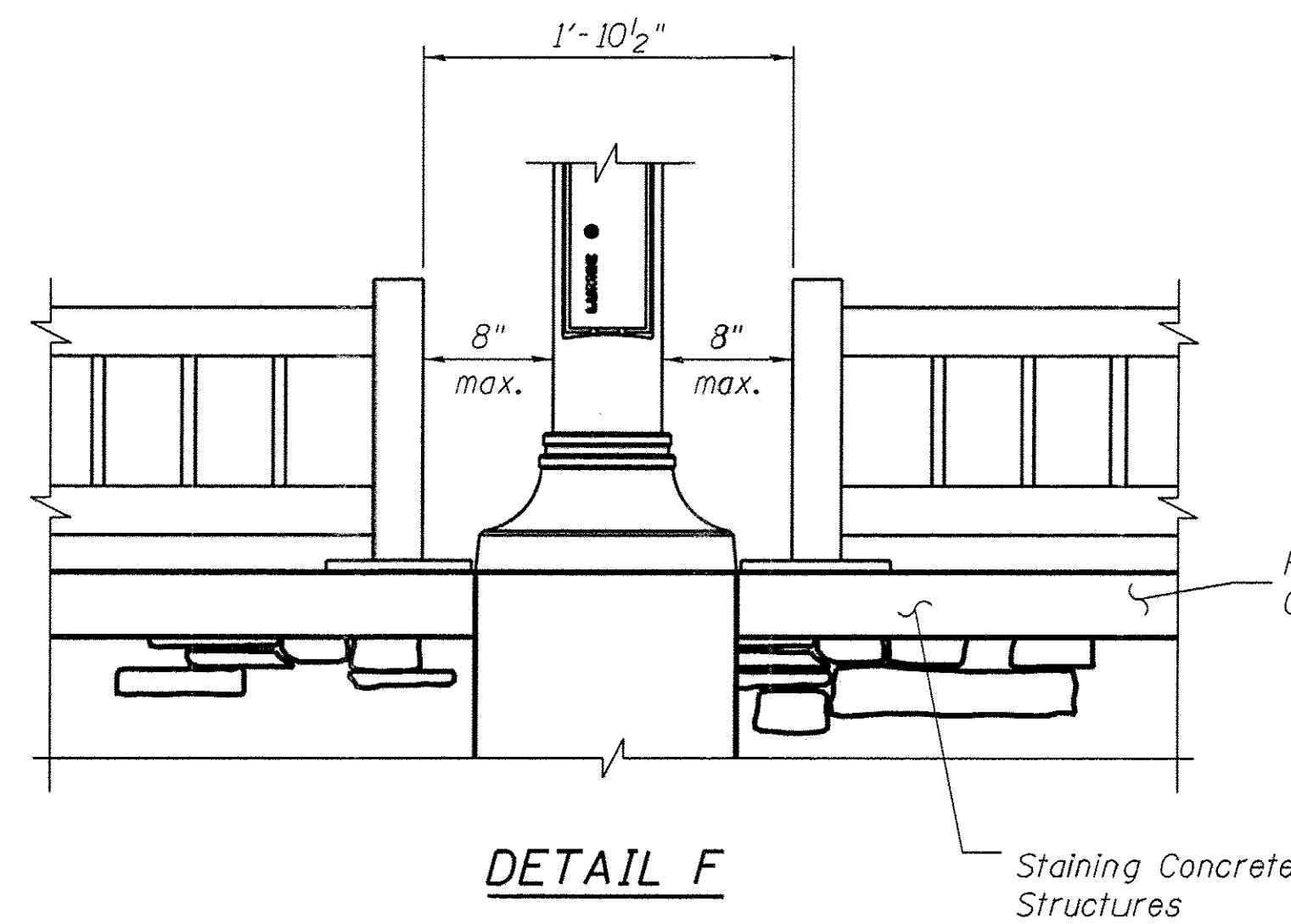
Michael Baker INTERNATIONAL	USER NAME =	DESIGNED - JMK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE RAILING DETAILS I STATE STREET OVER FOX RIVER STRUCTURE NO. 045-3128 SHEET NO. 11 OF 24 SHEETS	F.A.U. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED - DFM	REVISED -			1343	13-00043-00-BR	KANE	64	36	
	PLOT DATE =	DRAWN - EML	REVISED -			JOB NO. C-91-286-13		CONTRACT NO. 61C17			
		CHECKED - DFM	REVISED -			ILLINOIS		FED. AID PROJECT			



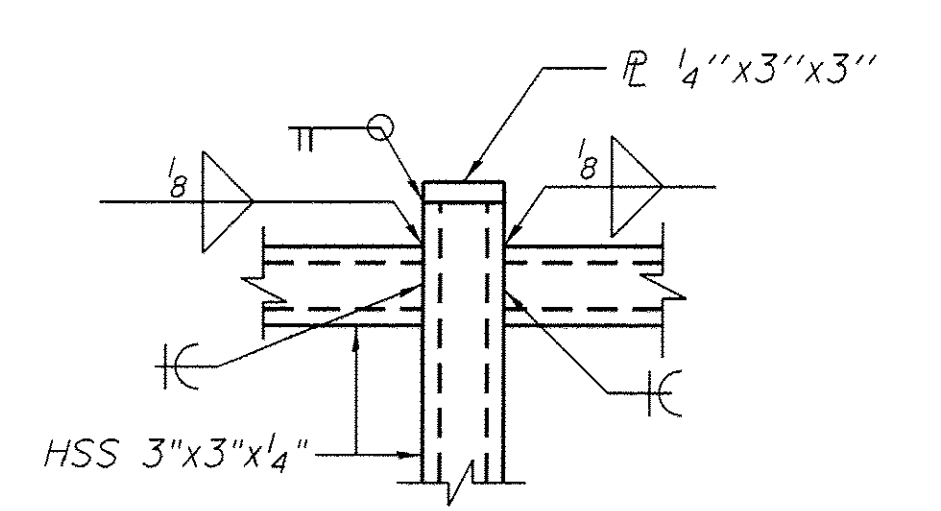
For bicycle rail and proposed parapet rail post locations



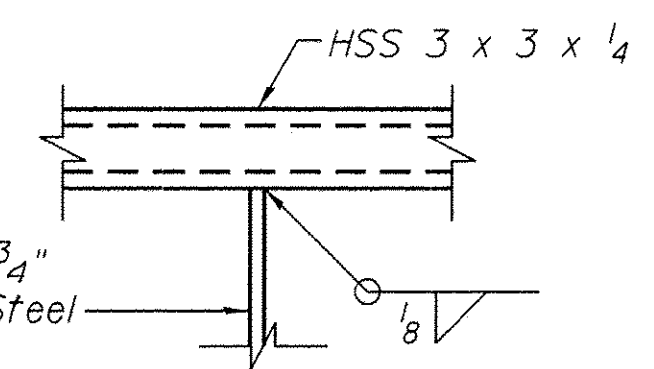
For existing parapet rail post locations



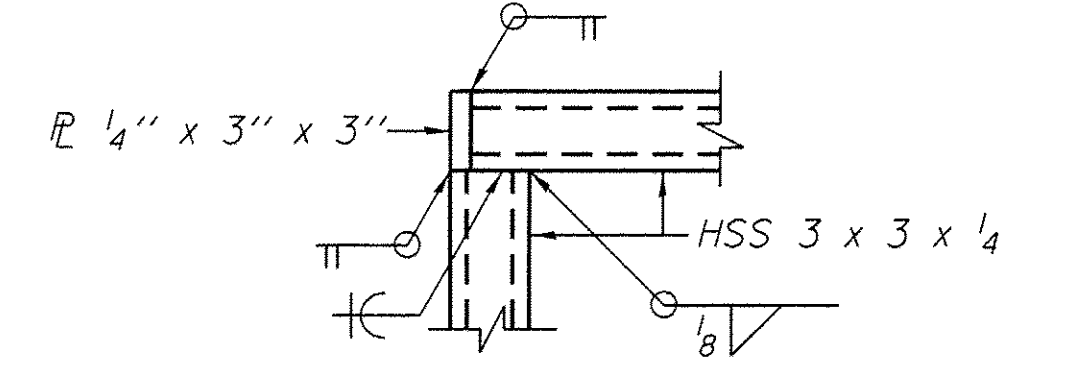
DETAIL A



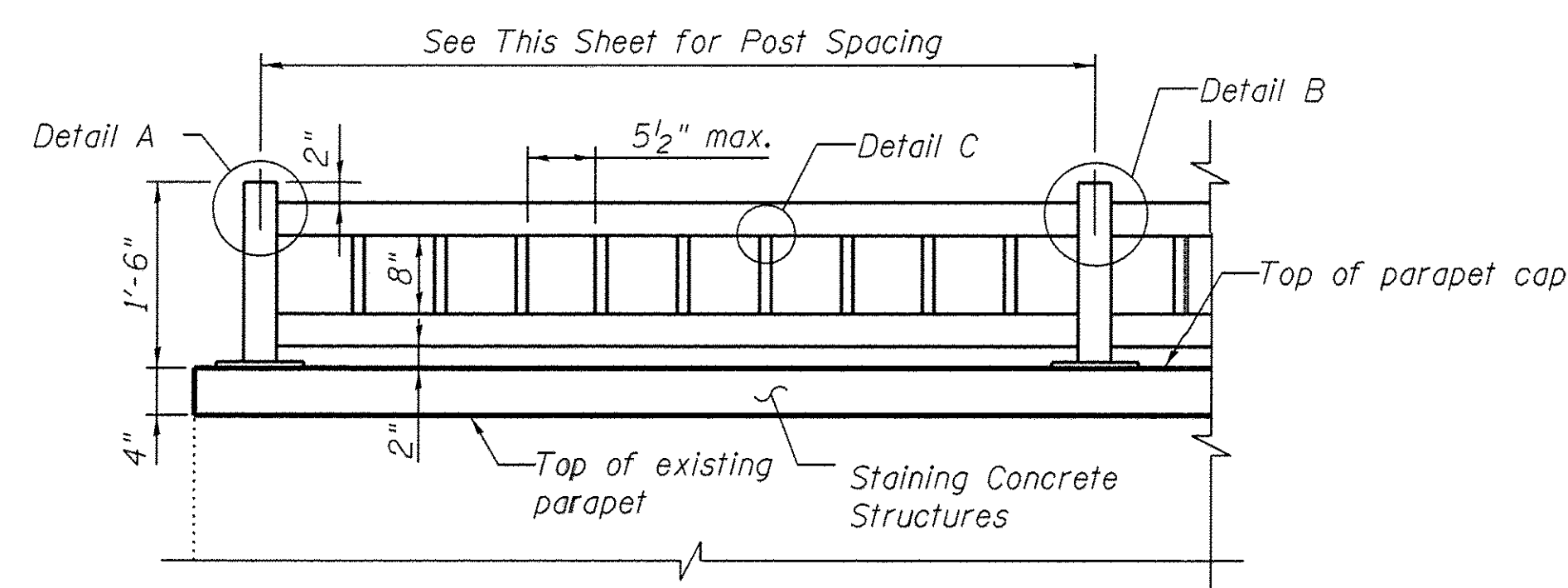
DETAIL B



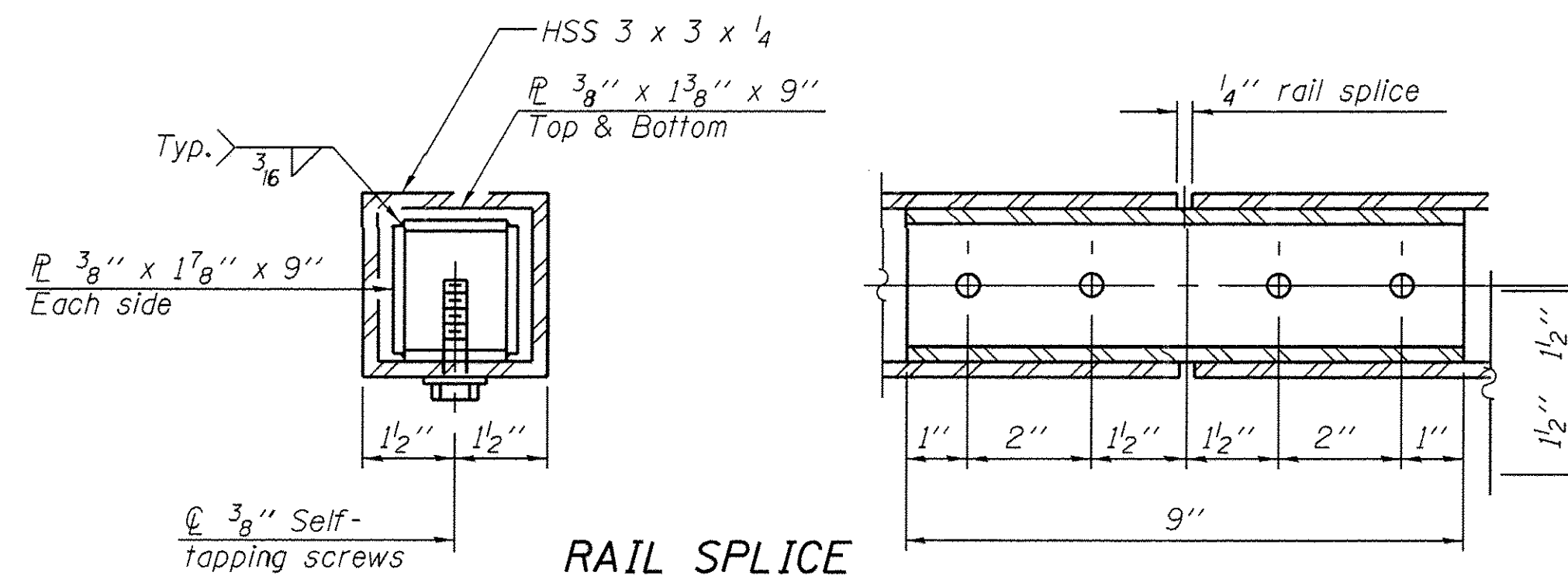
DETAIL C



DETAIL D



PARAPET RAIL ELEVATION



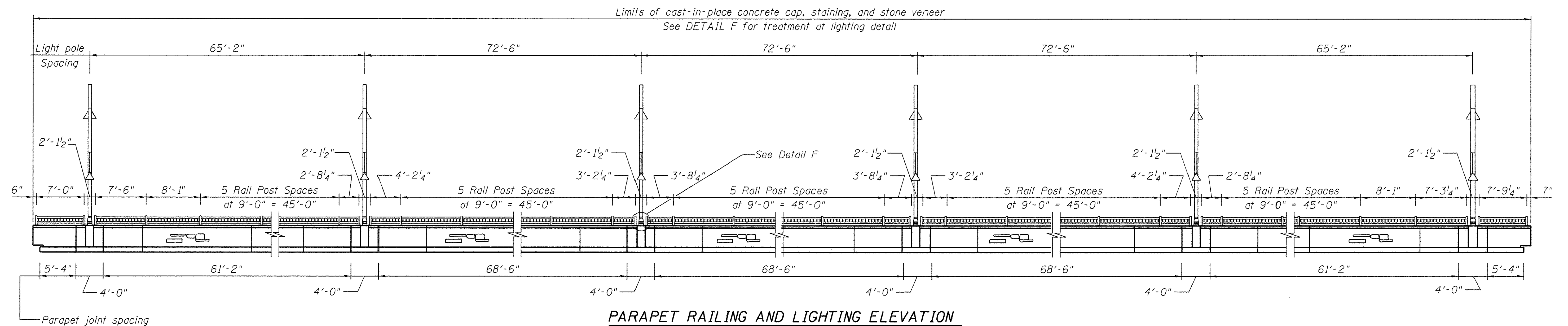
RAIL SPLICE

NOTES

All posts shall be normal to the parapet.

All joints in rail shall be spliced per detail. Splices shall be provided at the one quarter points of the horizontal rail span between posts and not more than three posts shall be included between any two splices.

All parapet rail posts shall maintain existing anchor bolt anchorages except posts adjacent to lighting detail. See Sheet 13 for anchor bolt details.



PARAPET RAILING AND LIGHTING ELEVATION

(South barrier looking North, North barrier similar)

Michael Baker
INTERNATIONAL

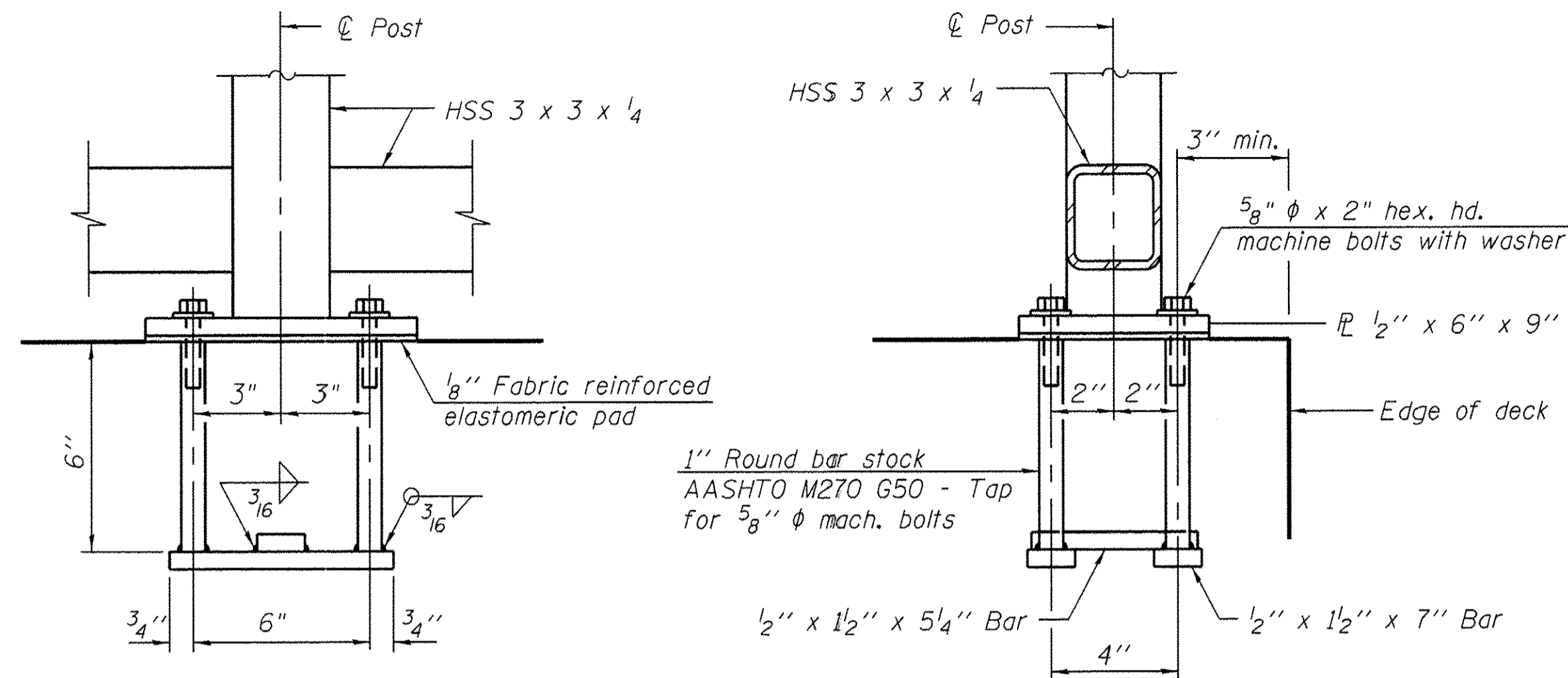
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	CHECKED - DFM	REVISED -
PLOT SCALE =	DRAWN - EML	REVISED -
PLOT DATE =	CHECKED - DFM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE RAILING DETAILS II
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128

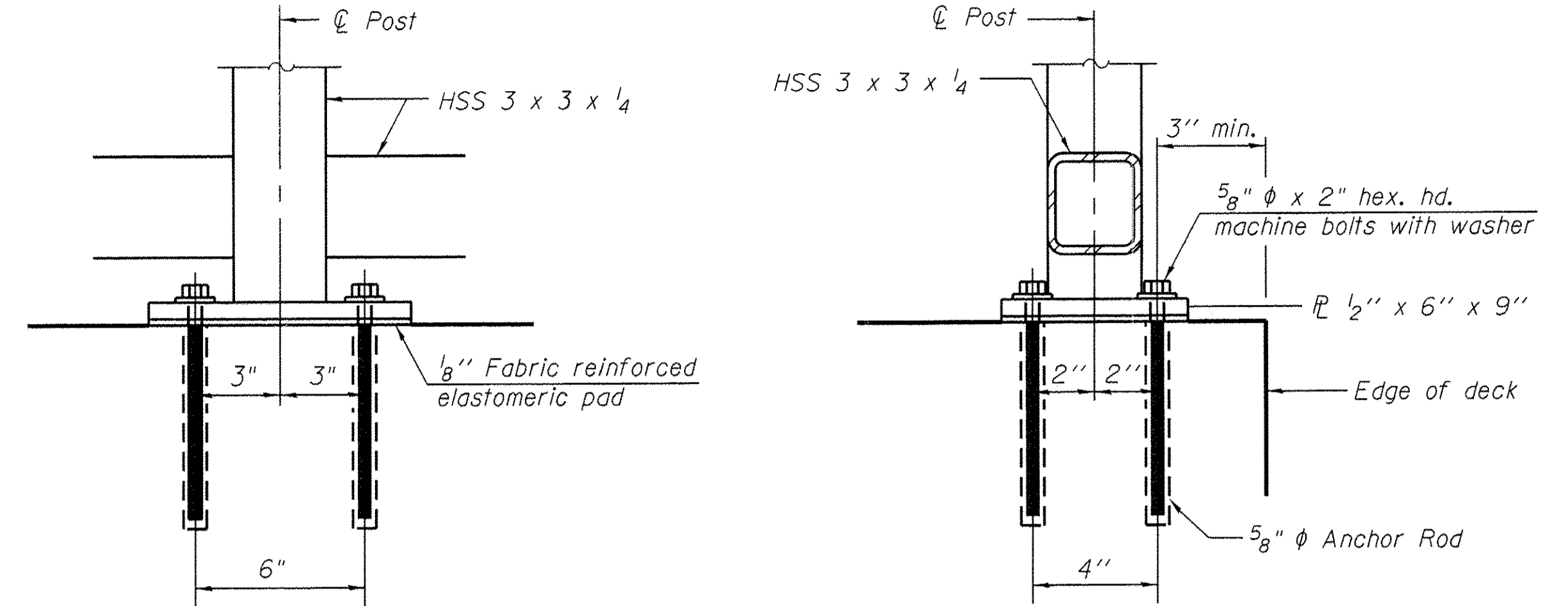
SHEET NO. 12 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	37
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
ILLINOIS		FED. AID PROJECT		



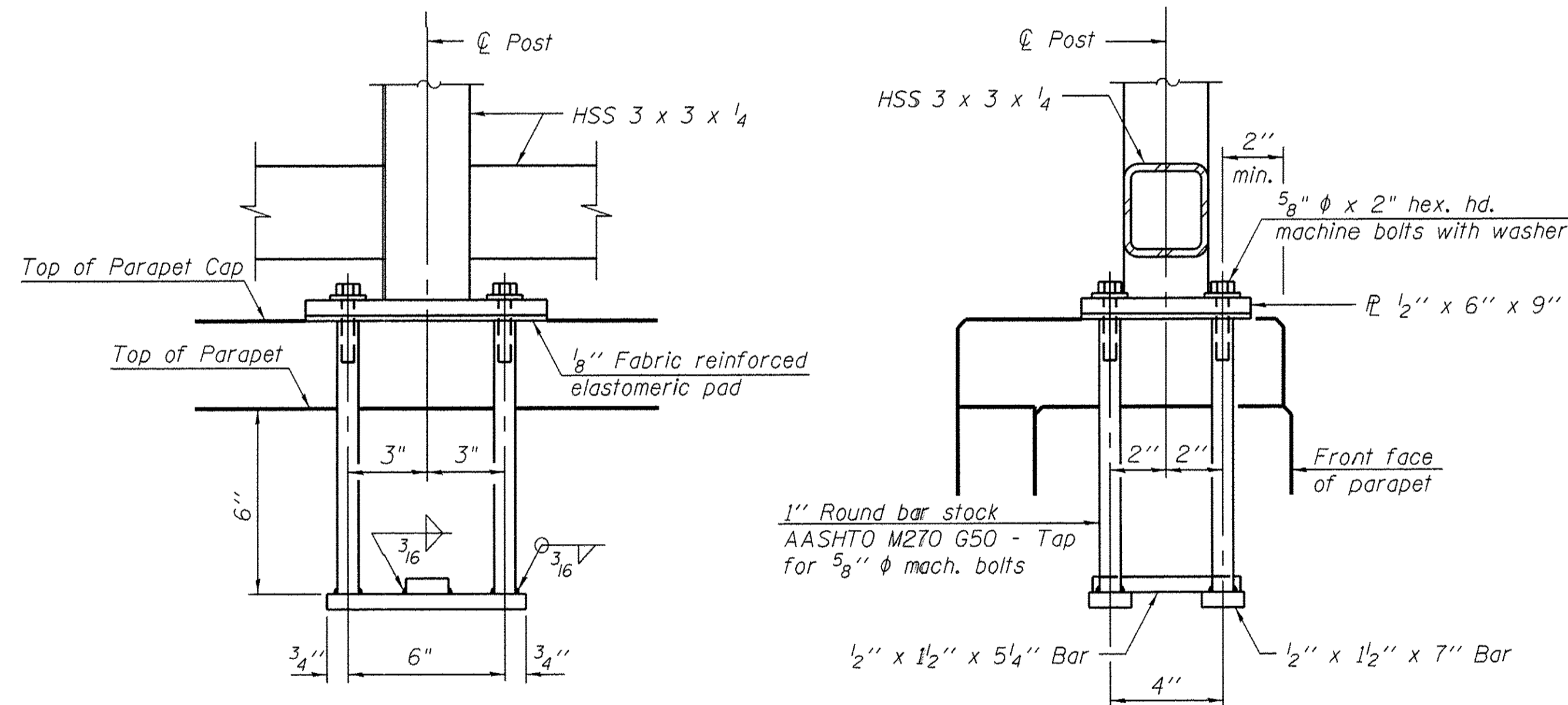
ANCHOR BOLT DETAILS FOR SOUTH BICYCLE RAILING

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



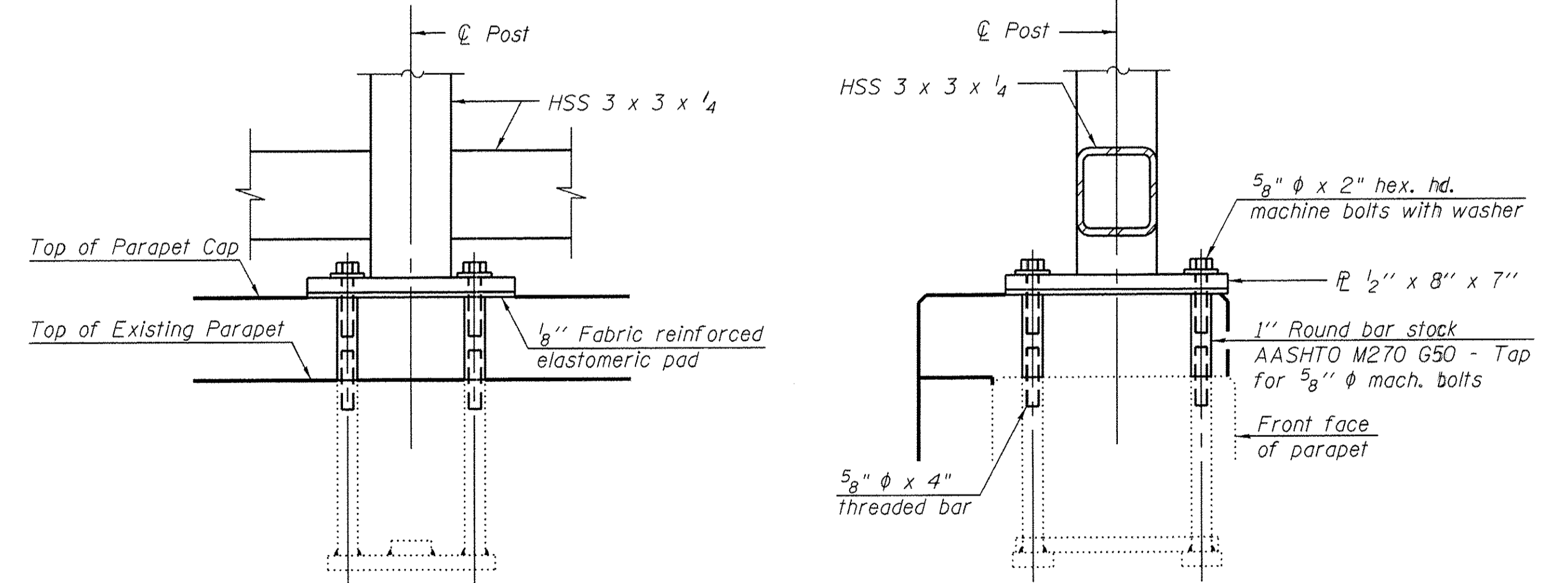
ANCHOR BOLT DETAILS FOR NORTH BICYCLE RAILING

The Contractor shall drill and set 5/8" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



ANCHOR BOLT DETAILS FOR PARAPET RAILING

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



ANCHOR BOLT DETAILS UTILIZING EXISTING ANCHORAGE FOR PARAPET RAILING

Preserve existing parapet railing anchor bolts for use in installing new parapet railing. Install 5/8" ϕ threaded bar and tapped 1" round bar stock prior to casting parapet cap.

Michael Baker INTERNATIONAL

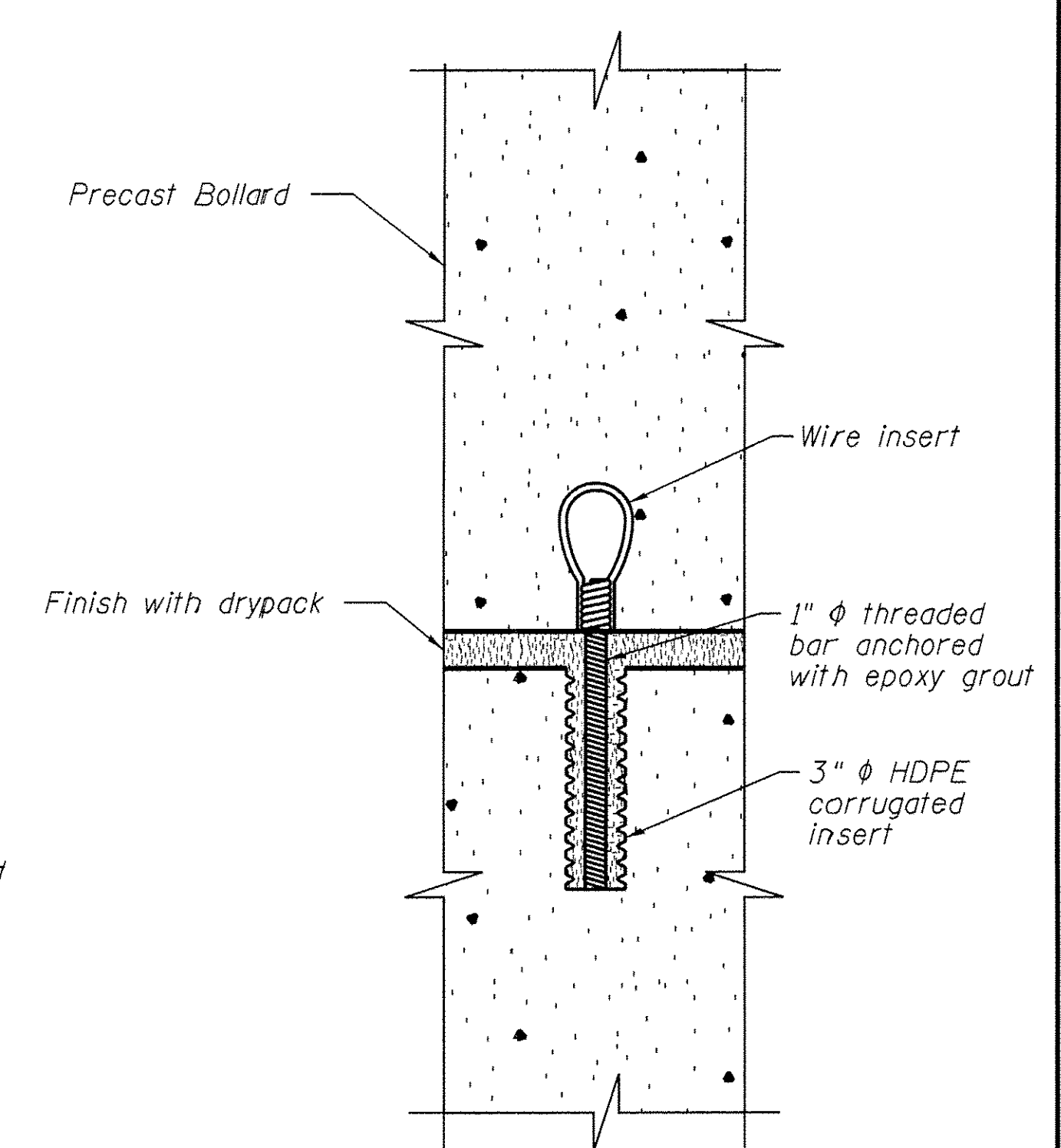
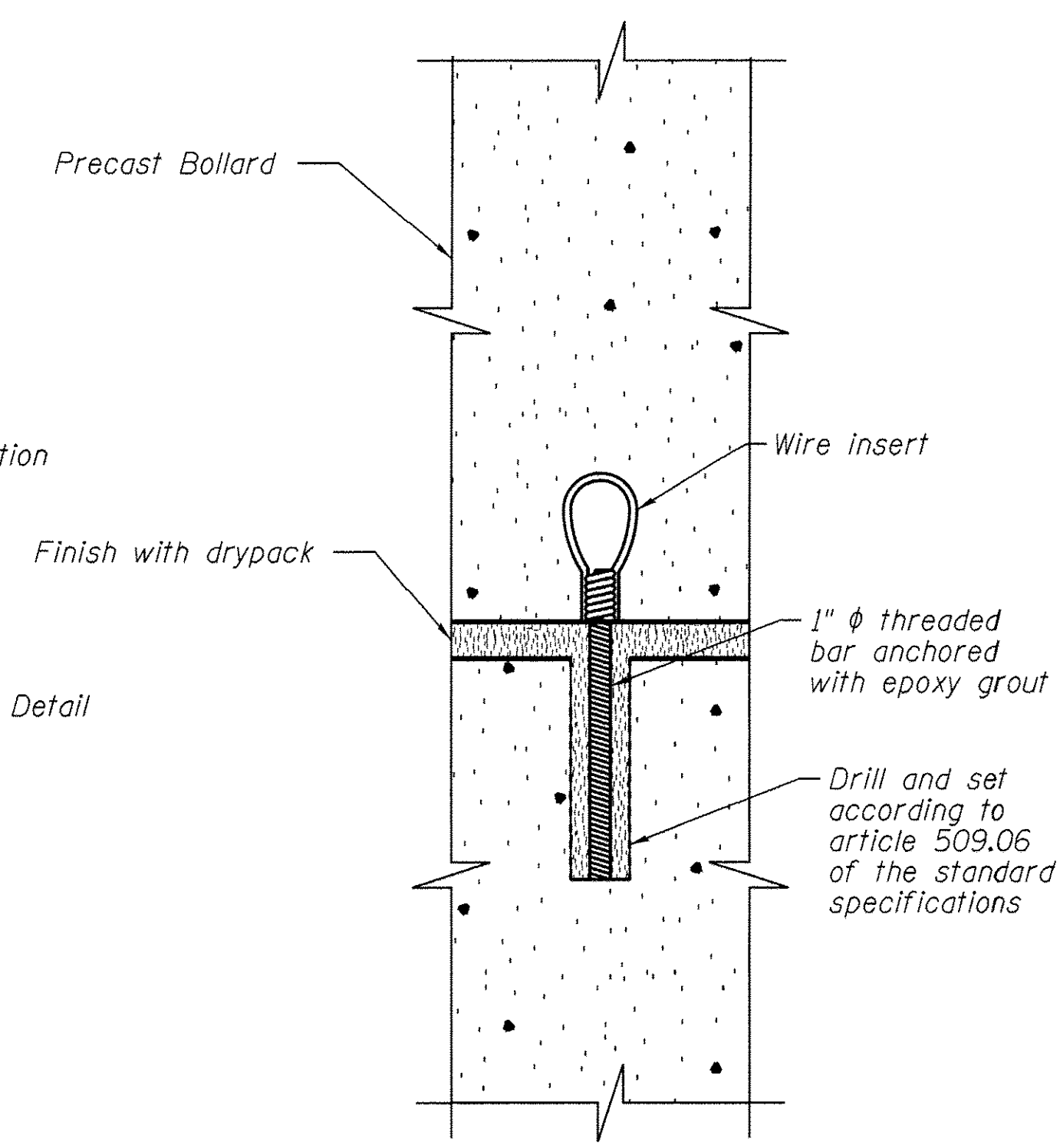
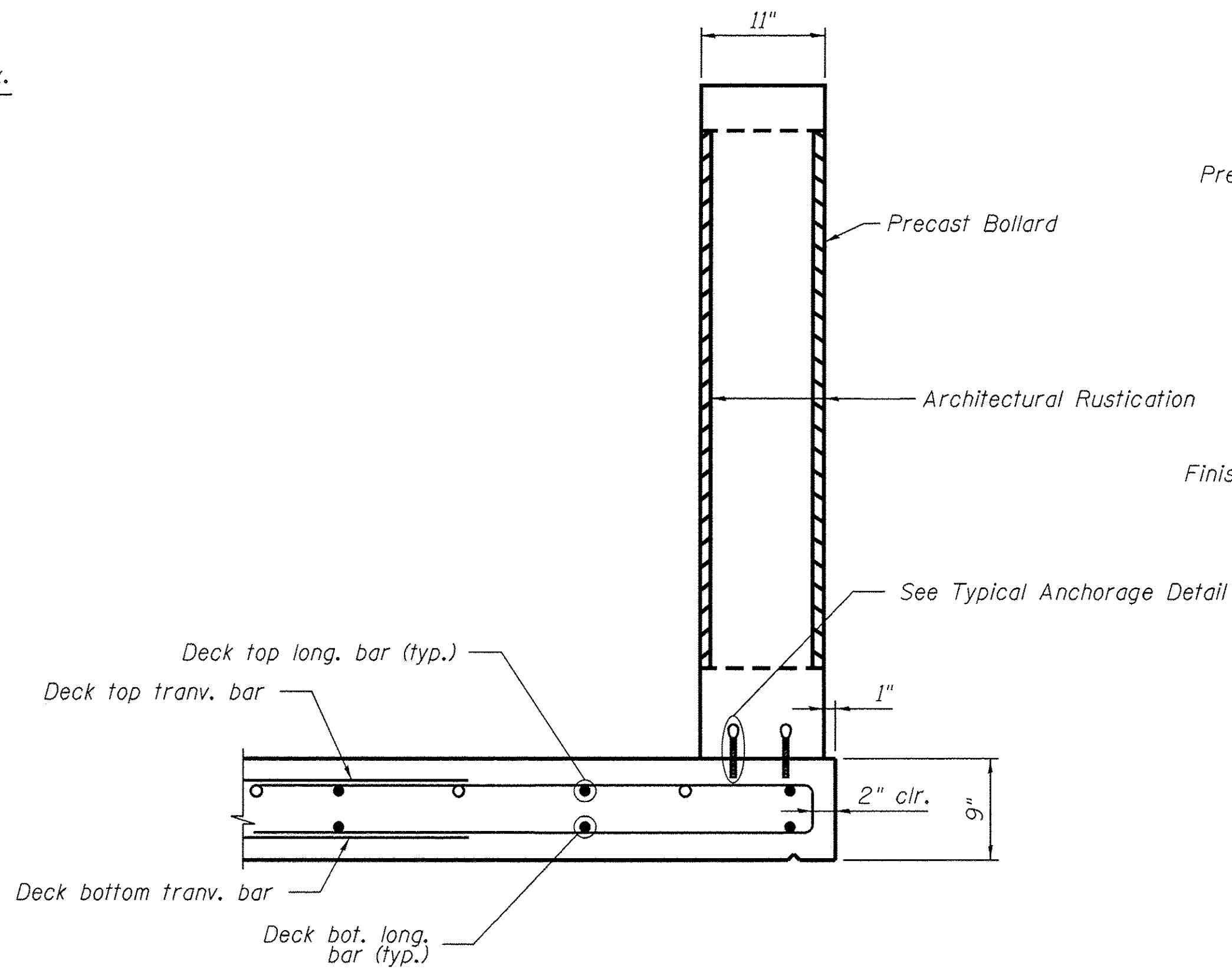
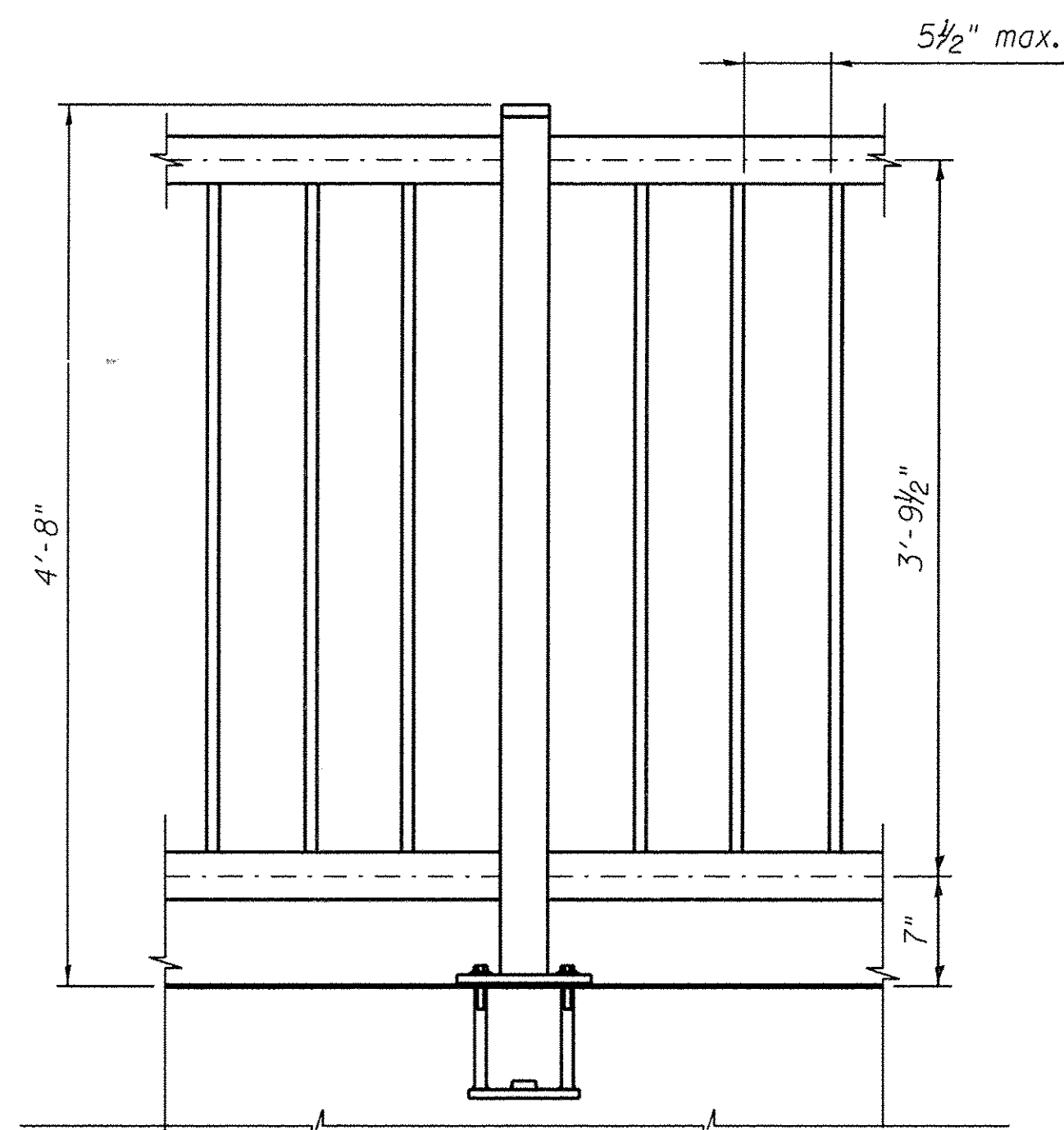
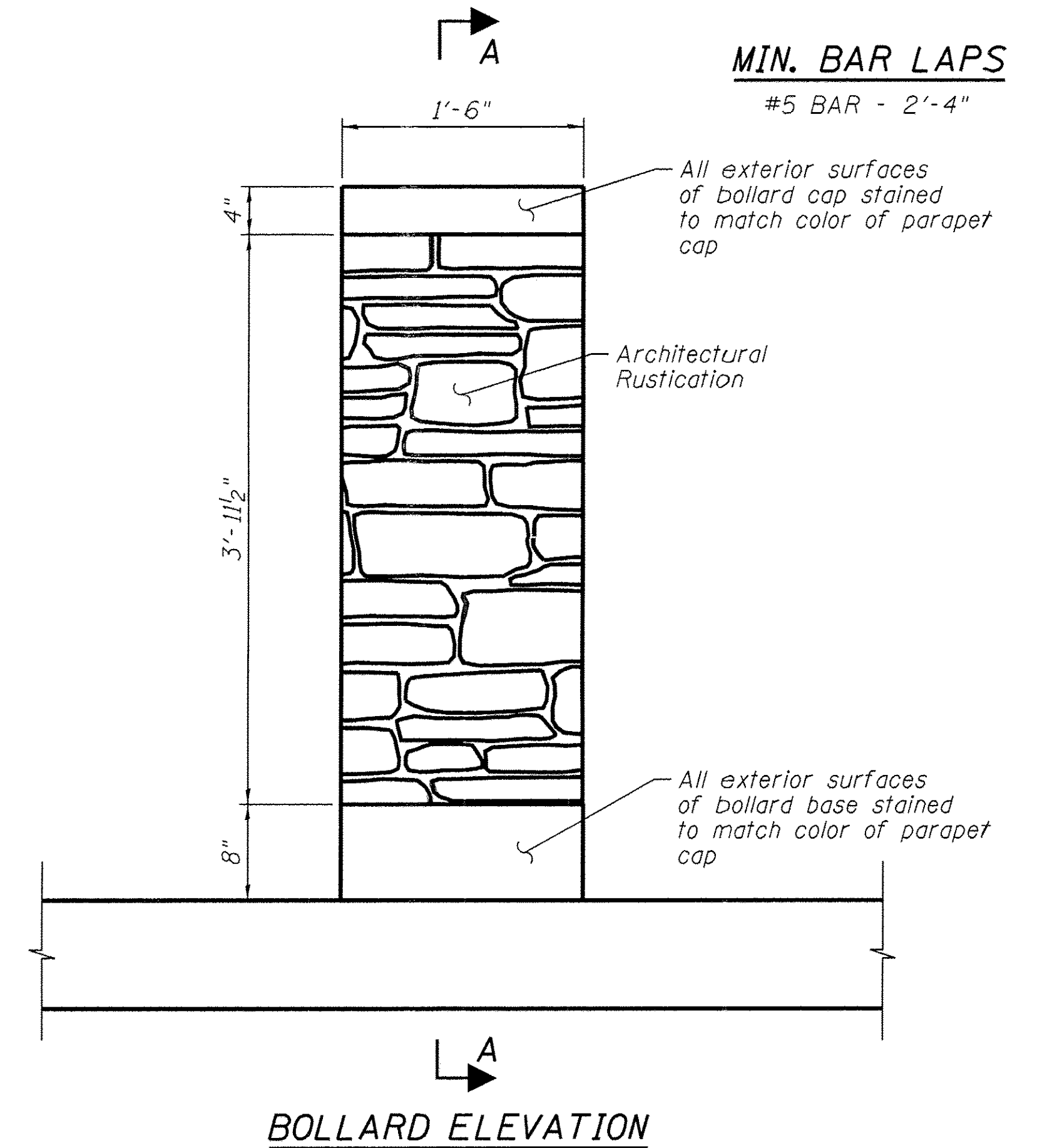
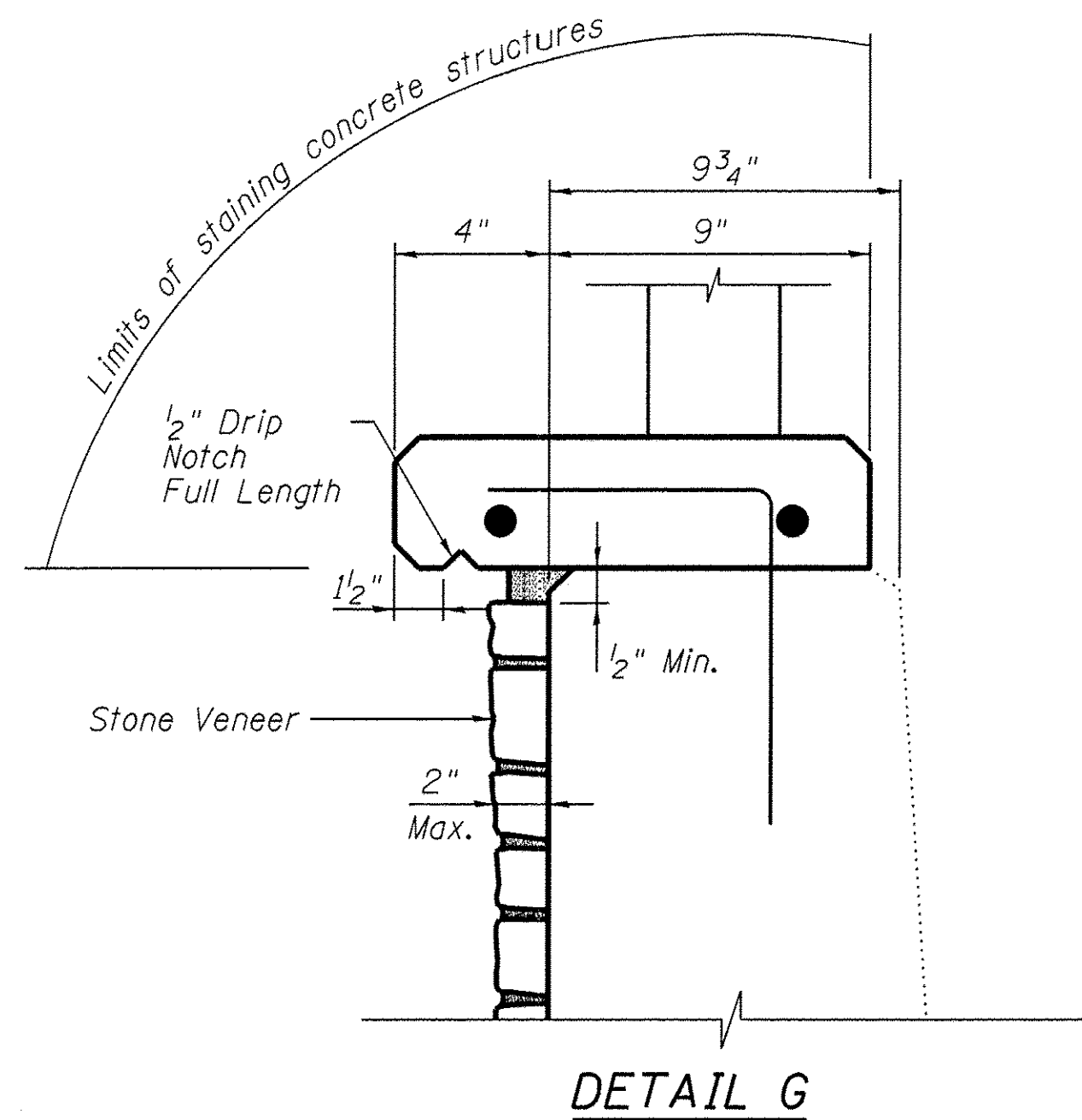
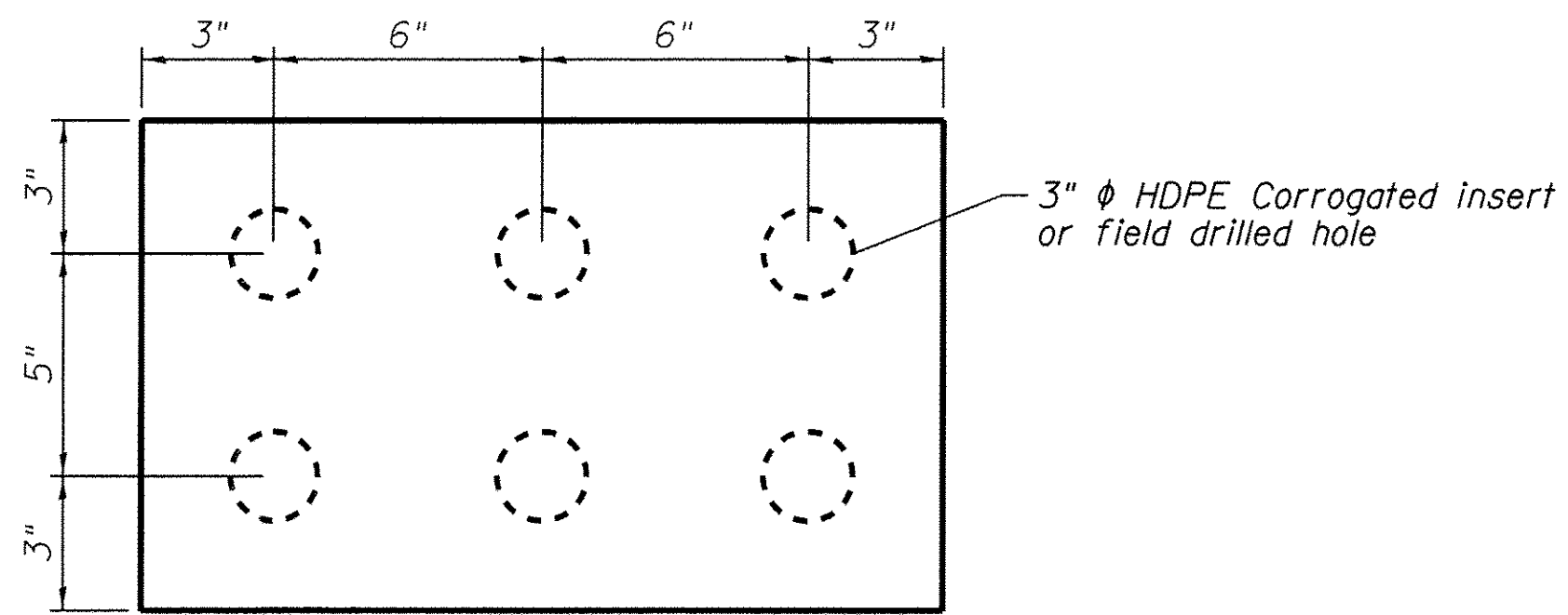
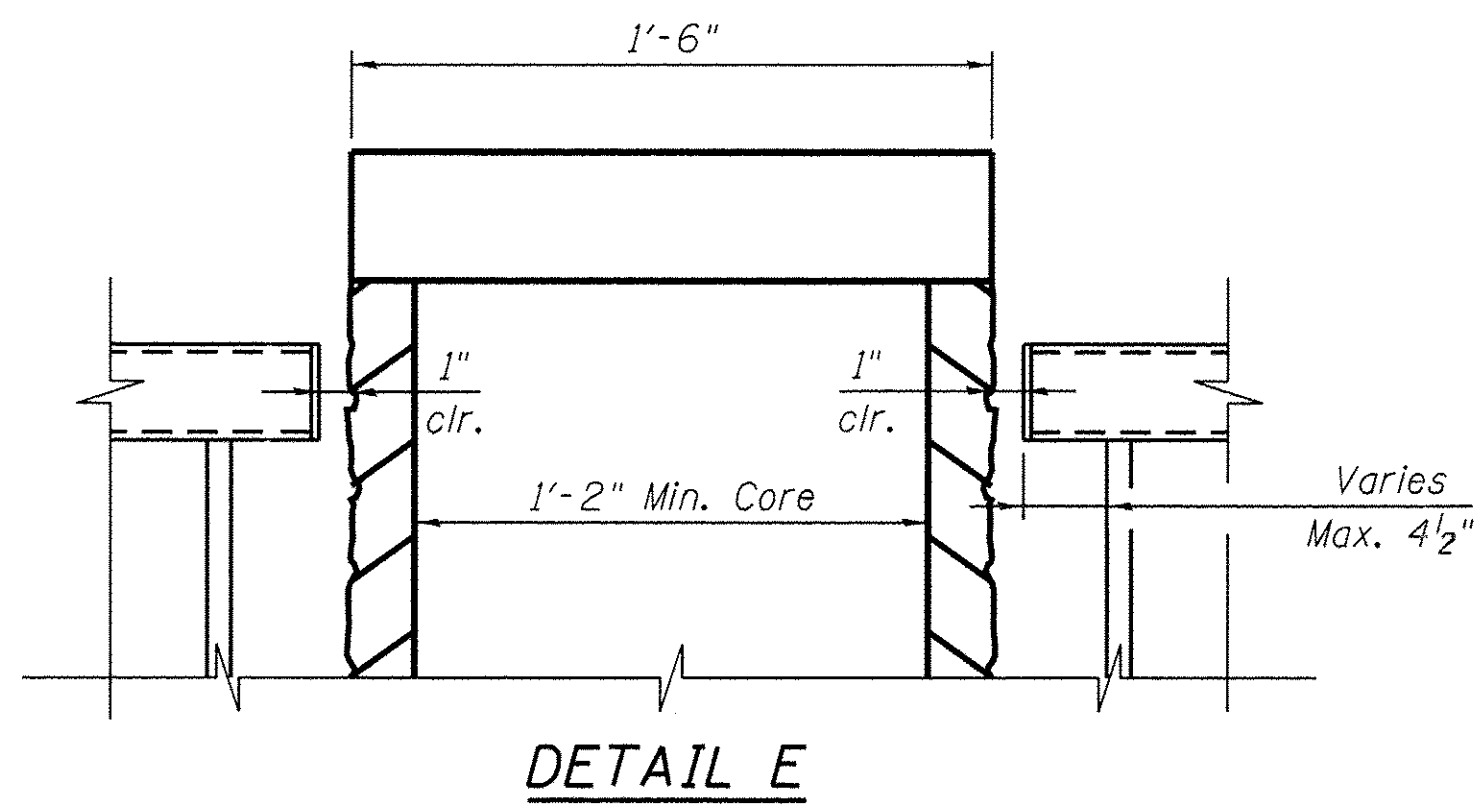
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	CHECKED - DFM	REVISED -
PLOT SCALE =	DRAWN - EML	REVISED -
PLOT DATE =	CHECKED - DFM	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**BRIDGE RAILING DETAILS III
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128**

SHEET NO. 13 OF 24 SHEETS

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 38
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
ILLINOIS		FED. AID PROJECT		



Michael Baker INTERNATIONAL

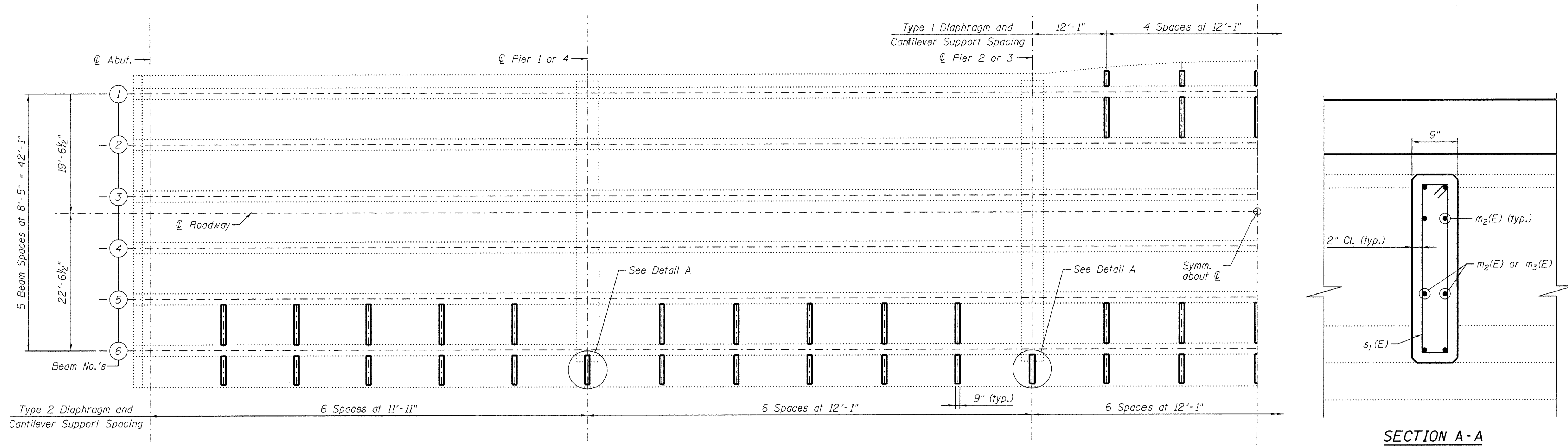
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PLOT SCALE =	CHECKED - DFM	REVISED -
PLOT DATE =	DRAWN - EML	REVISED -
	CHECKED - DFM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE RAILING DETAILS IV
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128**

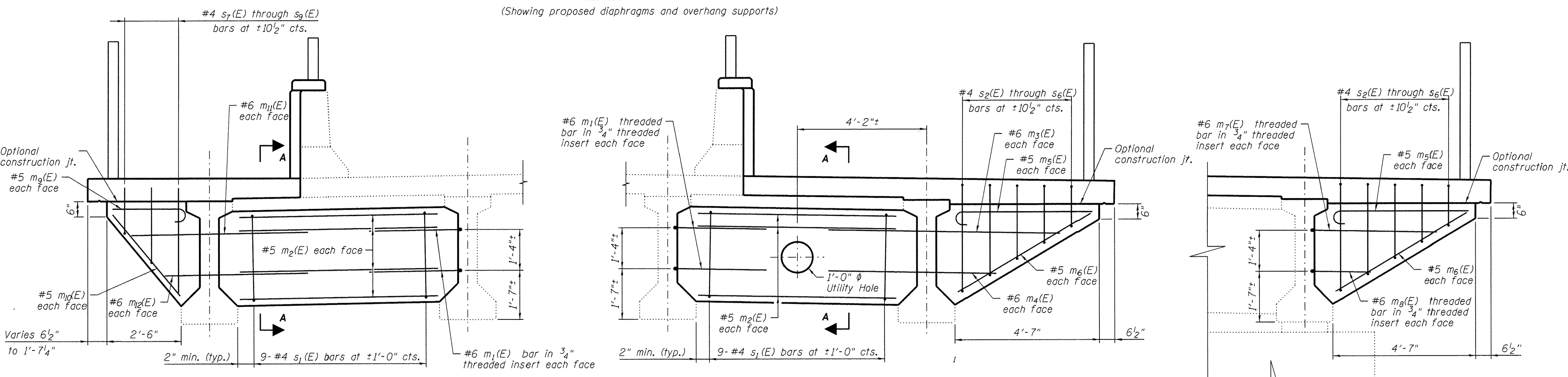
SHEET NO. 14 OF 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	39
JOB NO. C-91-286-13			CONTRACT NO. 61C17	
ILLINOIS			FED. AID PROJECT	



FRAMING PLAN

(Showing proposed diaphragms and overhang supports)



DIAPHRAGM AND CANTILEVER SUPPORT TYPE 1

DIAPHRAGM AND CANTILEVER SUPPORT TYPE 2

DETAIL A

NOTES

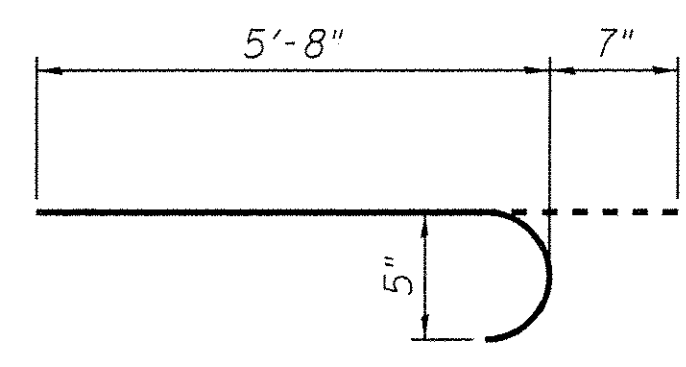
Contractor to verify locations of prestressing strands in order to avoid installing threaded inserts at prestressing strand locations.
Diaphragms shall be cast prior to casting deck.

Michael Baker INTERNATIONAL	USER NAME =	DESIGNED - JMK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERMEDIATE DIAPHRAGMS STATE STREET OVER FOX RIVER STRUCTURE NO. 045-3128 SHEET NO. 15 OF 24 SHEETS	F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 40
	PLOT SCALE =	DRAWN - MLS	REVISED -			JOB NO. C-91-286-13	CONTRACT NO. 61C17			
	PLOT DATE =	CHECKED - DFM	REVISED -			ILLINOIS	FED. AID PROJECT			

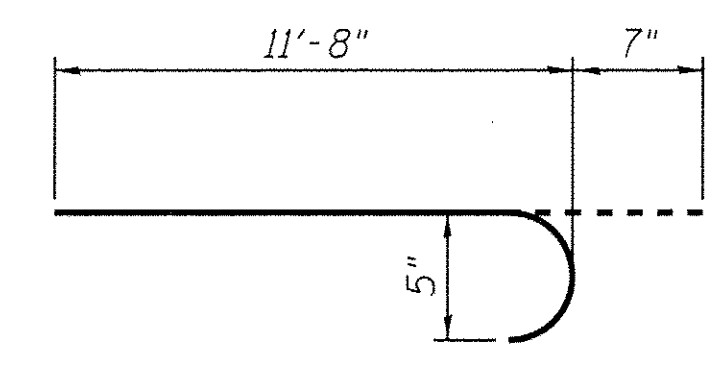
BILL OF MATERIAL

Bar	A
s1(E)	2'-8"
s2(E)	3'-5 1/2"
s3(E)	2'-11"
s4(E)	2'-4 1/2"
s5(E)	1'-10"
s6(E)	1'-3 1/2"
s7(E)	1'-1 3/4"
s8(E)	2'-2"
s9(E)	3'-1 3/4"

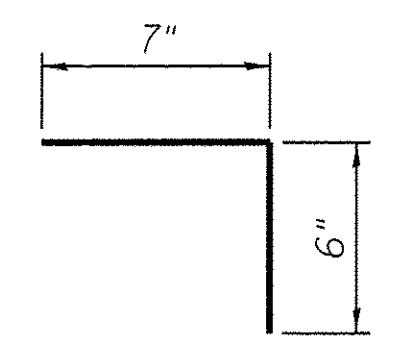
Bar	No.	Size	Length	Shape
a(E)	38	#6	5'-8"	—
a1(E)	20	#5	6'-3"	—
a2(E)	66	#6	13'-4"	—
a3(E)	131	#5	6'-5"	—
a4(E)	48	#6	13'-4"	—
a7(E)	1219	#6	11'-8"	—
a8(E)	713	#5	12'-3"	—
b1(E)	48	#6	29'-6"	—
b2(E)	186	#5	28'-1"	—
b3(E)	174	#5	30'-0"	—
b8(E)	6	#5	23'-0"	—
b9(E)	4	#5	26'-0"	—
b10(E)	2	#5	28'-6"	—
d2(E)	364	#4	1'-1"	—
d3(E)	36	#6	4'-3 1/2"	—
d4(E)	60	#6	5'-4 1/2"	—
e1(E)	60	#5	26'-4"	—
m1(E)	120	#6	3'-0"	—
m2(E)	190	#5	6'-5"	—
m3(E)	50	#6	7'-6"	—
m4(E)	50	#6	5'-5"	—
m5(E)	58	#5	4'-11 1/2"	—
m6(E)	58	#5	5'-0"	—
m7(E)	8	#6	4'-0"	—
m8(E)	8	#6	1'-11"	—
m9(E)	10	#5	2'-10"	—
m10(E)	10	#5	3'-6"	—
m11(E)	10	#6	5'-10"	—
m12(E)	10	#6	4'-9"	—
s1(E)	270	#4	6'-9"	—
s2(E)	29	#4	8'-4"	—
s3(E)	29	#4	7'-3"	—
s4(E)	29	#4	6'-2"	—
s5(E)	29	#4	5'-1"	—
s6(E)	29	#4	4'-0"	—
s7(E)	5	#4	3'-8 1/2"	—
s8(E)	5	#4	5'-9"	—
s9(E)	5	#4	7'-8 1/2"	—
Reinforcement Bars, Epoxy Coated			Pound	55600
Concrete Superstructure			Cu. Yds.	182



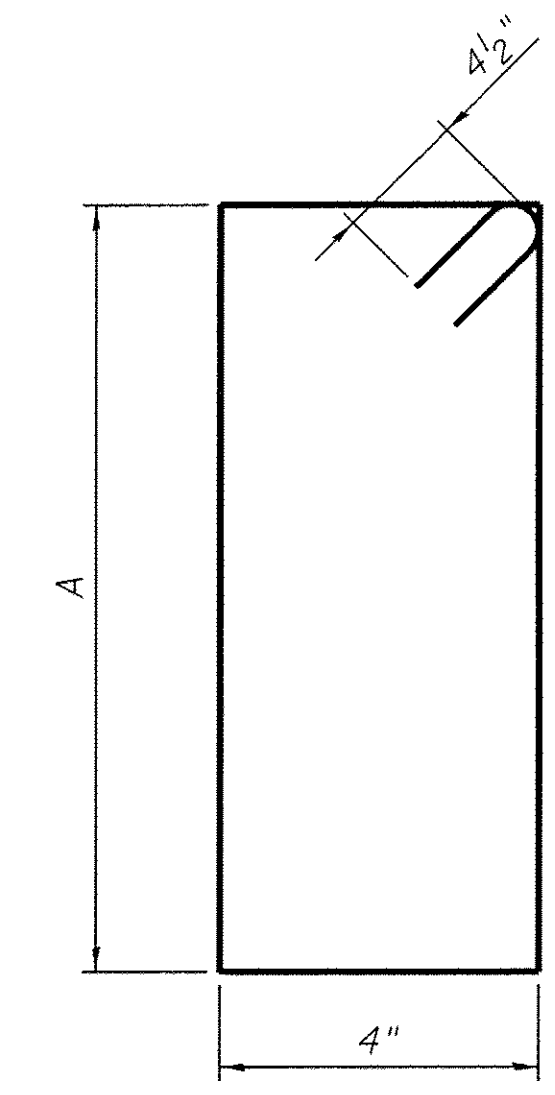
BAR a1(E)



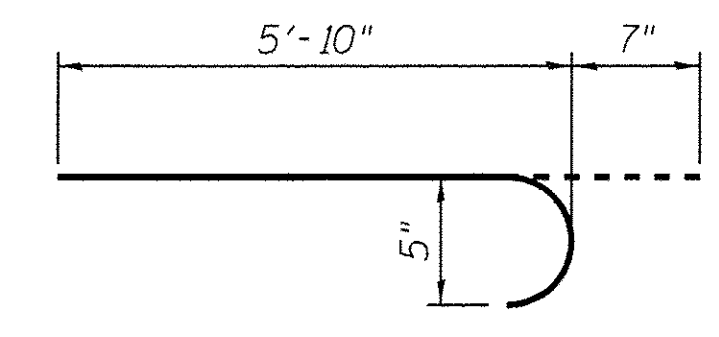
BAR a8(E)



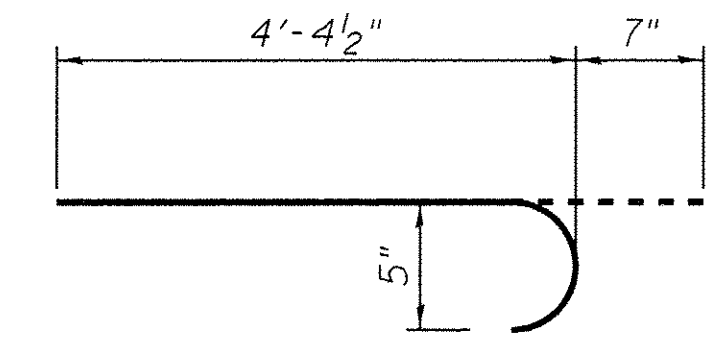
BAR d2(E)



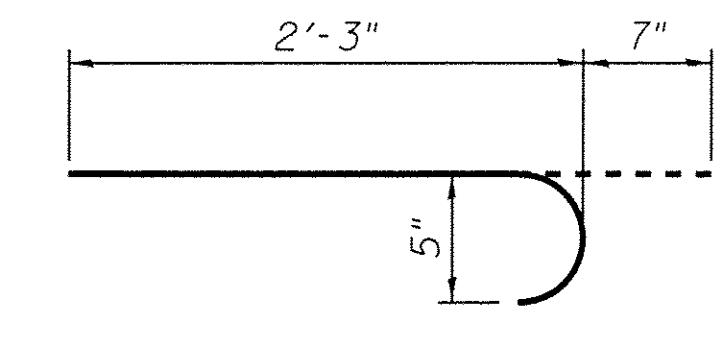
s1(E) thru s9(E) BAR



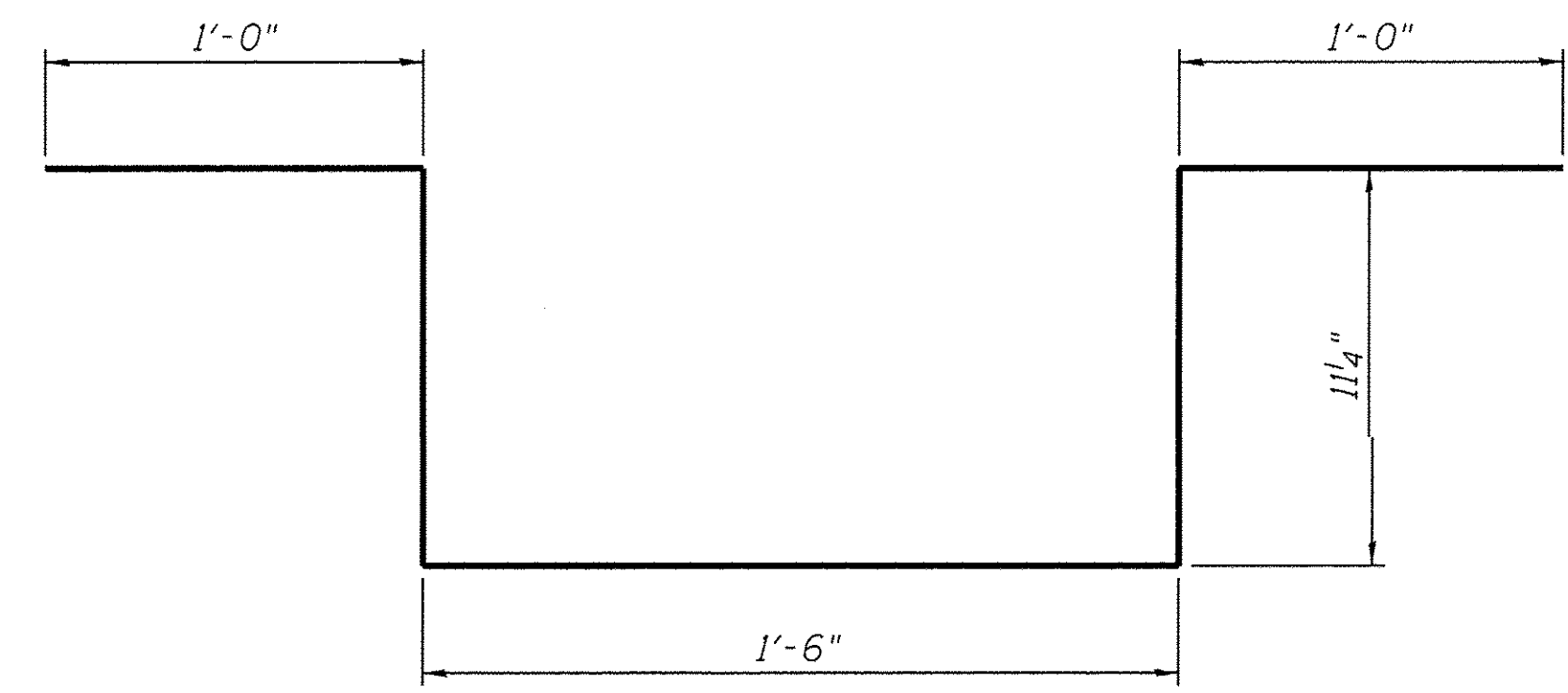
BAR a3(E)



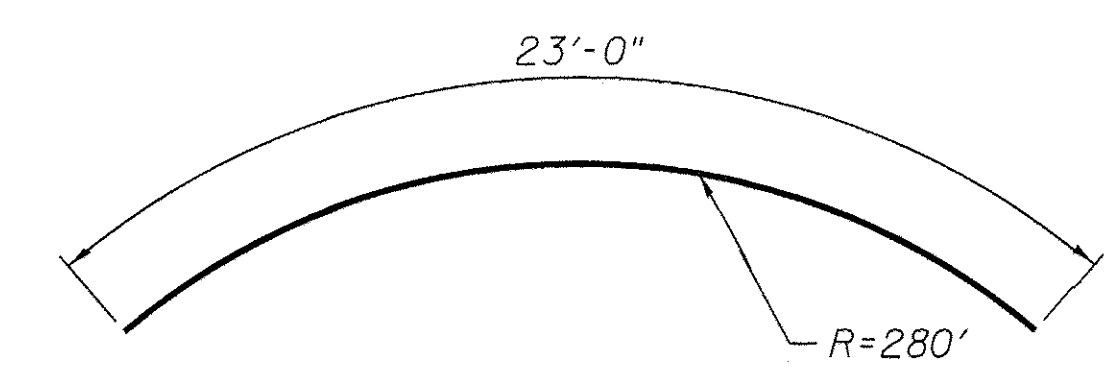
BAR m5(E)



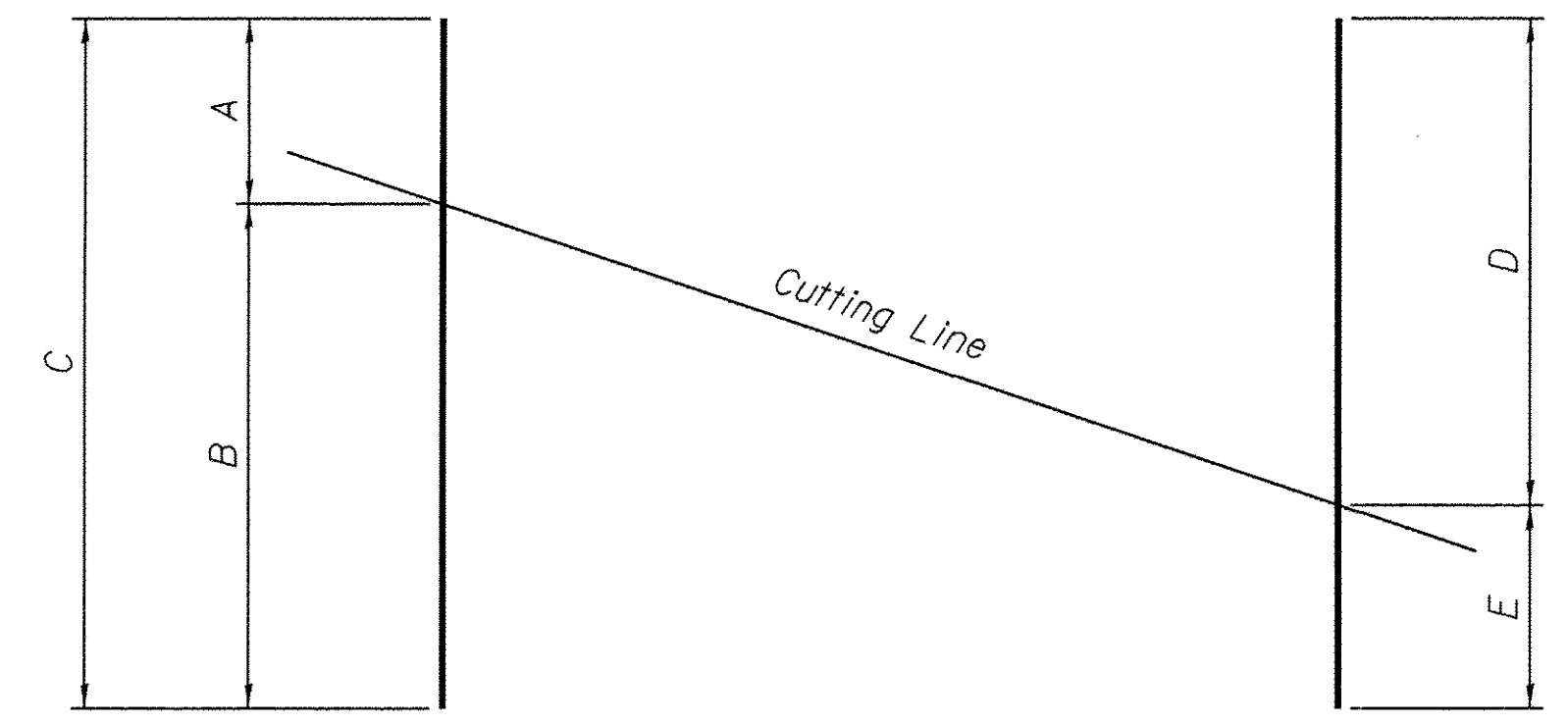
BAR m9(E)



BAR d4(E)

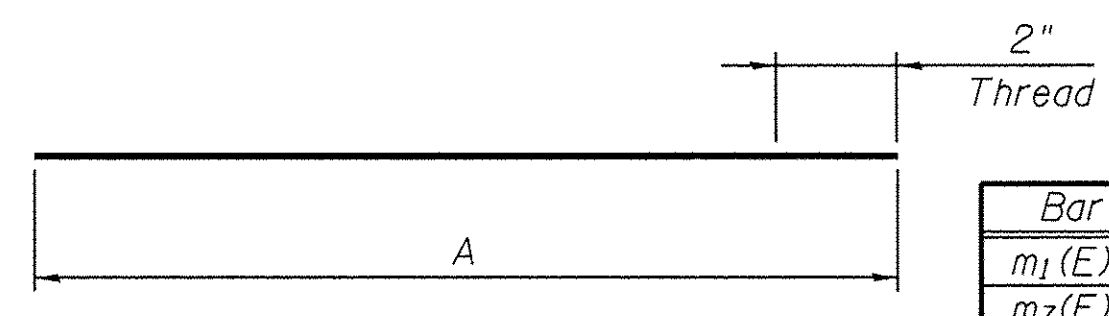


BAR b8(E)



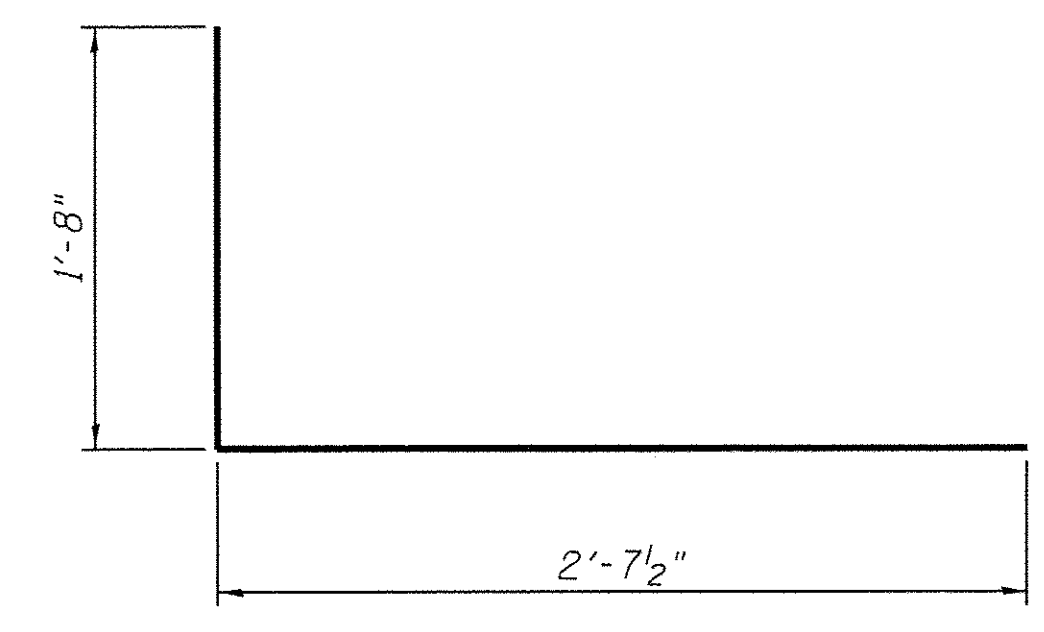
Bar	A	B	C	D	E
a2(E)	5'-8"	7'-8"	13'-4"	7'-8"	5'-8"
a4(E)	5'-8"	7'-8"	13'-4"	7'-8"	5'-8"

BAR a2(E) and a4(E)



BAR m1(E), m7(E), and m8(E)

Bar	A
m1(E)	3'-0"
m7(E)	4'-1"
m8(E)	1'-11"



BAR d3(E)

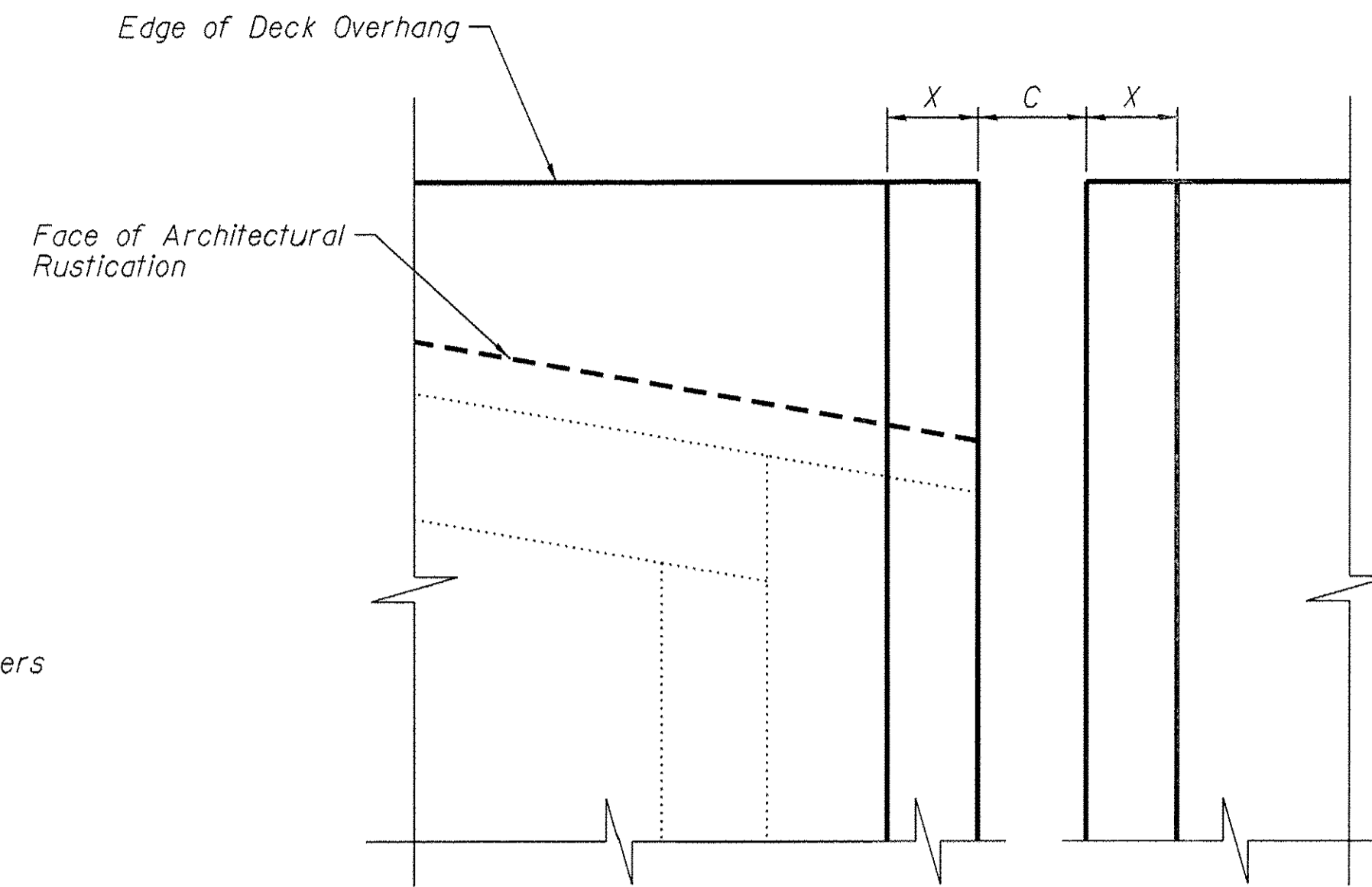
Joint Size	"C" at 50°F	"D" at 50°F	Location
2	2"	1 1/2" min.	East Abut.
4	3"	2 1/2" min.	West Abut.

INSTALLATION NOTES

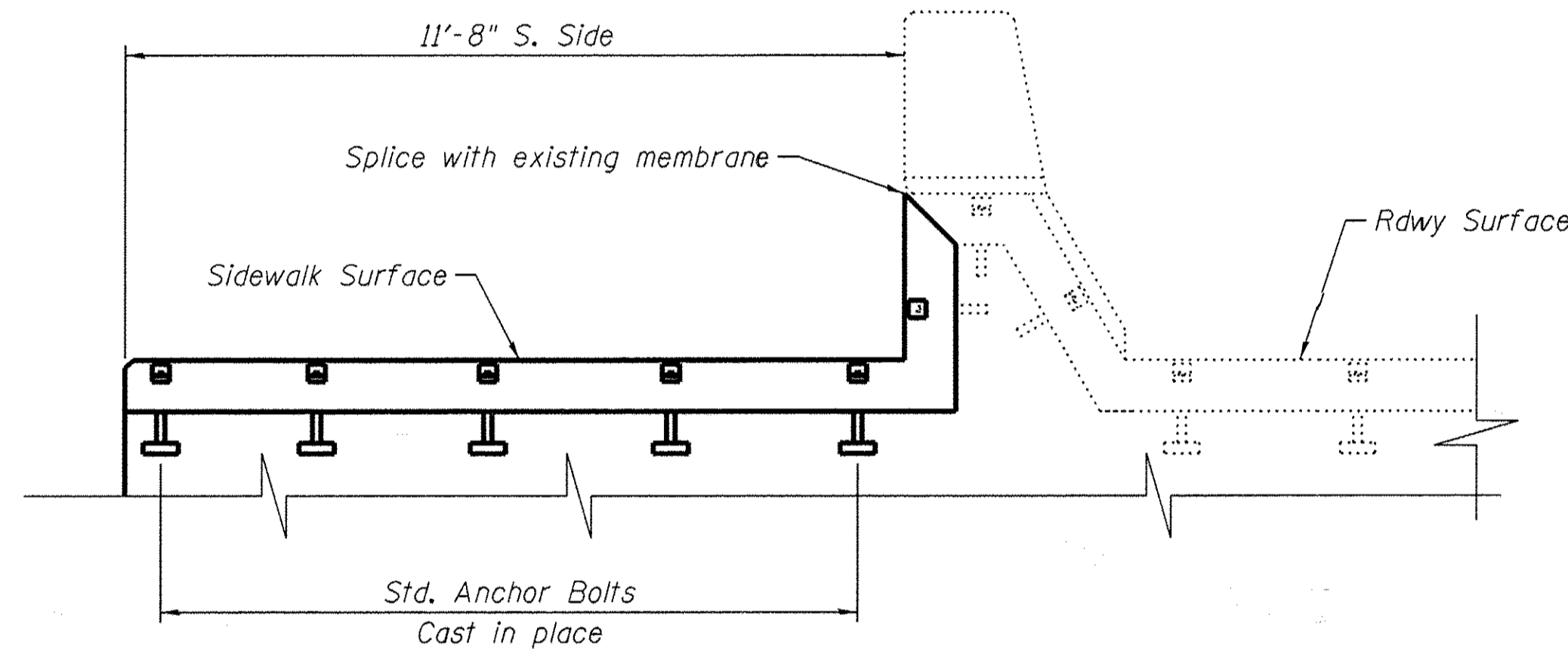
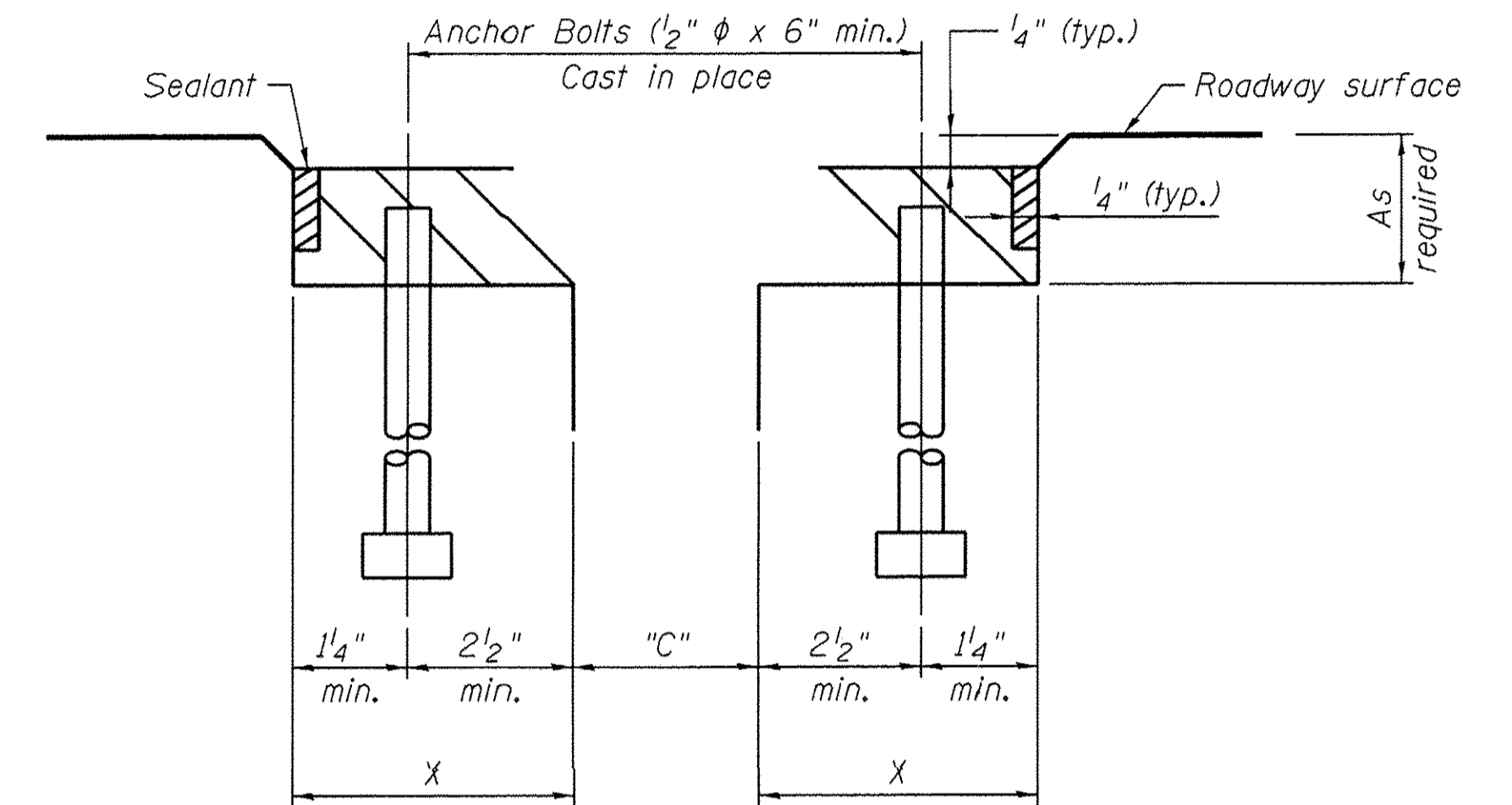
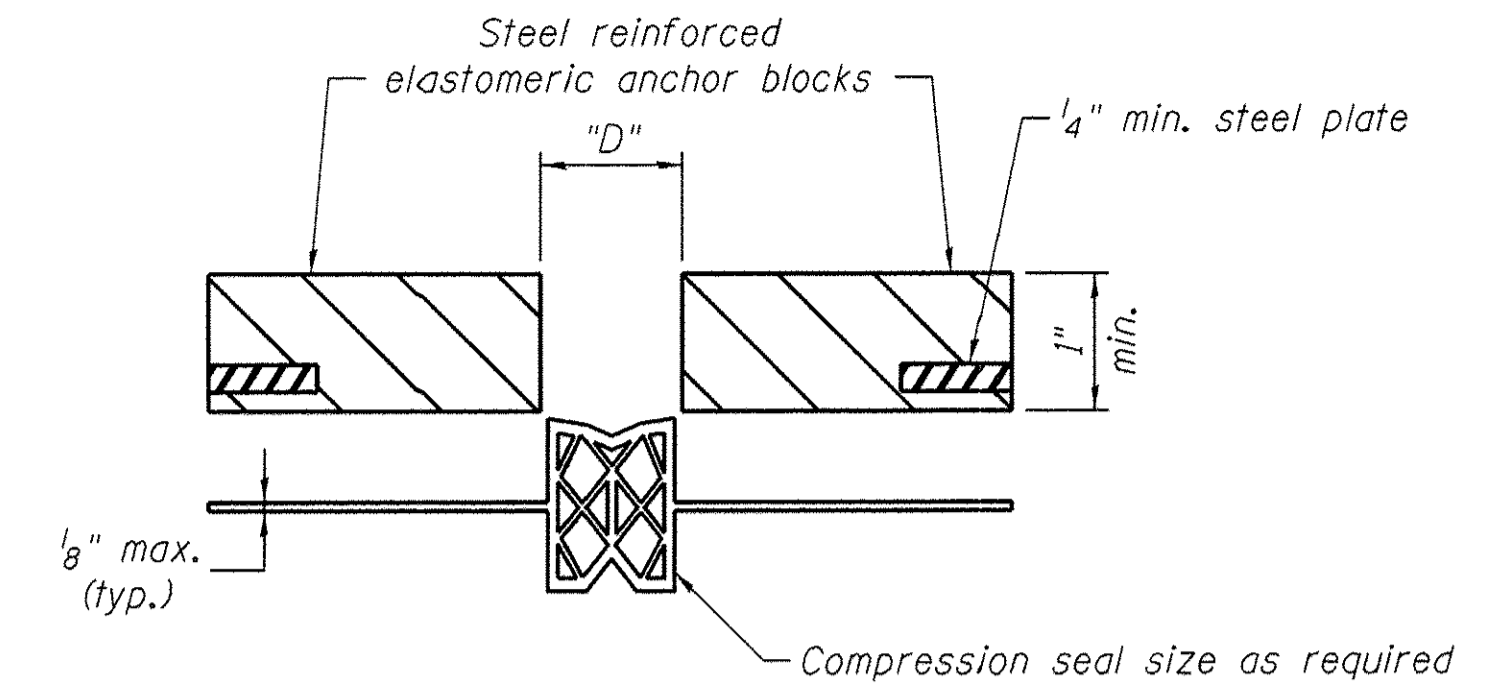
Use anchor blocks and preformed joint seal as anchor bolt location templates.

1. Install continuous preformed joint seal in sidewalk.
2. Splice with existing seal at parapet.
3. Install anchor blocks as indicated.

NOTE A - Maximum spacing of anchor bolts shall be 12" centers



FORMING BLOCKOUT SKETCH



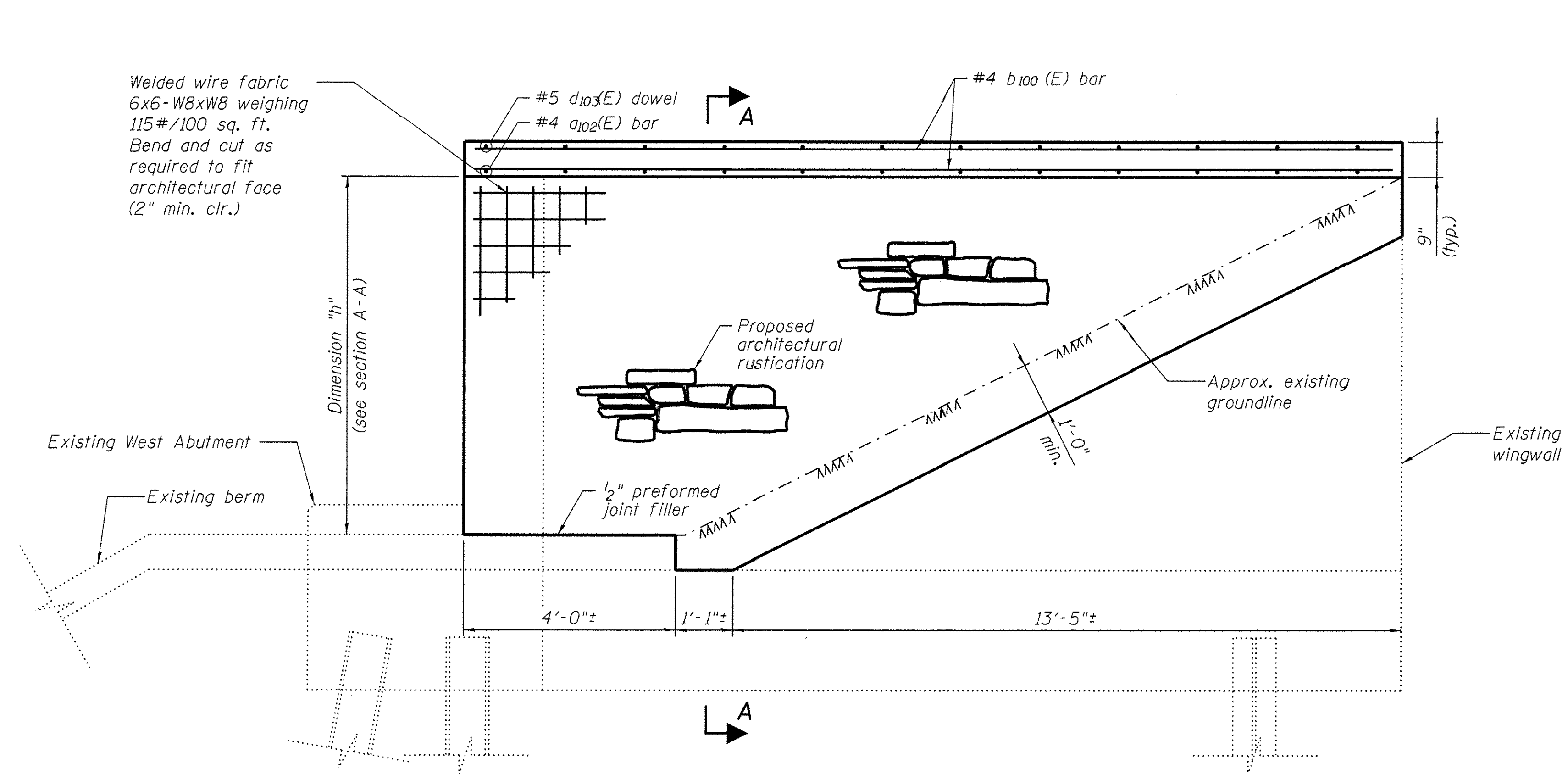
TYPICAL END TREATMENT

BILL OF MATERIAL

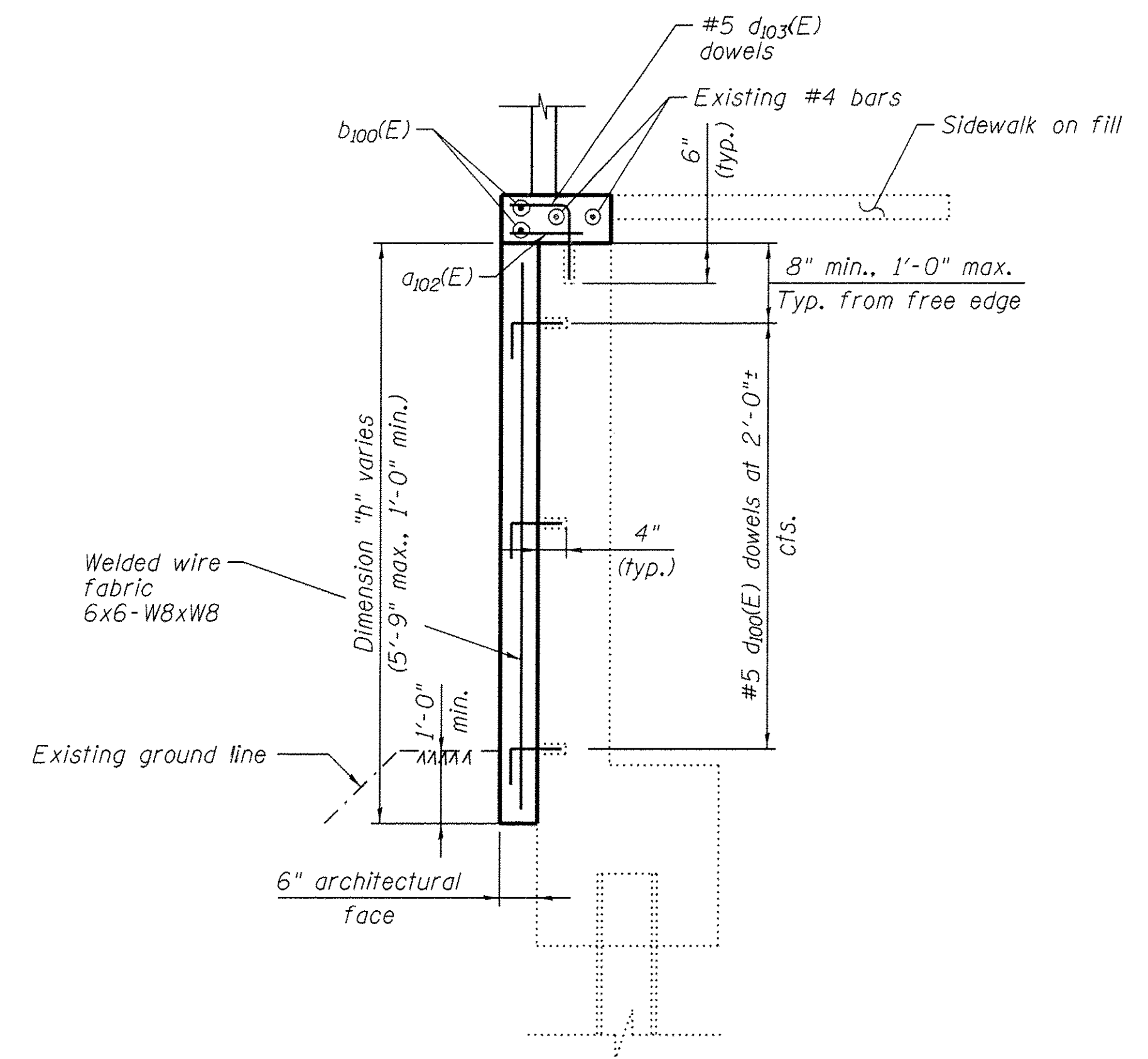
ITEM	UNIT	QUANTITY
Neoprene Expansion Joint 2"	Lin.Ft.	12.75
Neoprene Expansion Joint 4"	Lin.Ft.	12.75

NOTES

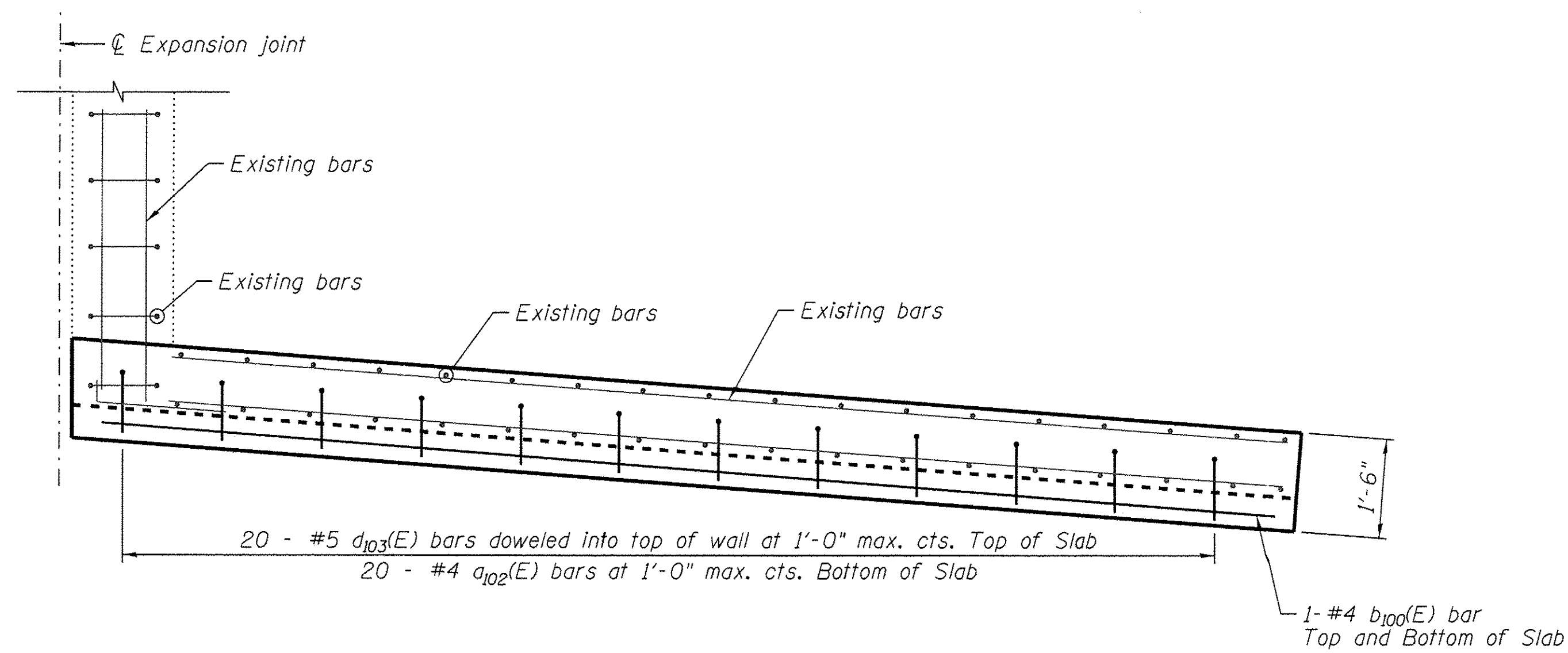
- Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane.
- The elastomeric membrane shall be a preformed compression seal that will have a "memory" to return to its molded position upon joint closure.
- The steel reinforcement must extend up the back face anchor blocks when asphalt surfaces are used but is optional in concrete blockout.
- The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.
- Joint openings shall be adjusted in accordance with Article 503.07(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.
- Anchor bolts, washers and nuts, to be plated against corrosion in accordance with the special provisions, shall be zinc-coated by the mechanical plating method conforming to ASTM B69, class 50 Zinc-coated nuts shall be topped oversize in accordance with the requirements of AASHTO M291 and shall meet the supplementary requirements S1.1 thru S1.2.1 of the same specifications for lubricant and testing.



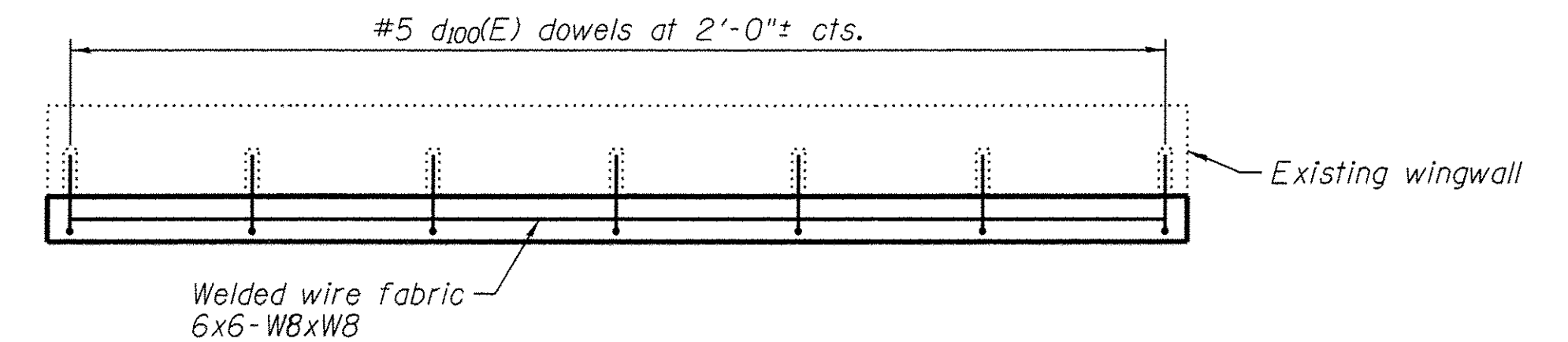
NW WINGWALL ELEVATION
(Looking South)



SECTION A-A



NW WINGWALL PLAN



TYPICAL LONGITUDINAL SECTION THROUGH WALL

NOTES

Epoxy grout d100(E) and d101(E) bars according to Article 584 of the Standard Specifications. Drill to miss existing reinforcement. The epoxy grout and method of application shall be approved by the Engineer. All drilling and grouting of rebar to be included with the cost of "Reinforcement Bars, Epoxy Coated."

Preserve existing reinforcement in abutment and wingwall stems.

Control joints in existing wall shall be matched in architectural face.

Michael Baker INTERNATIONAL

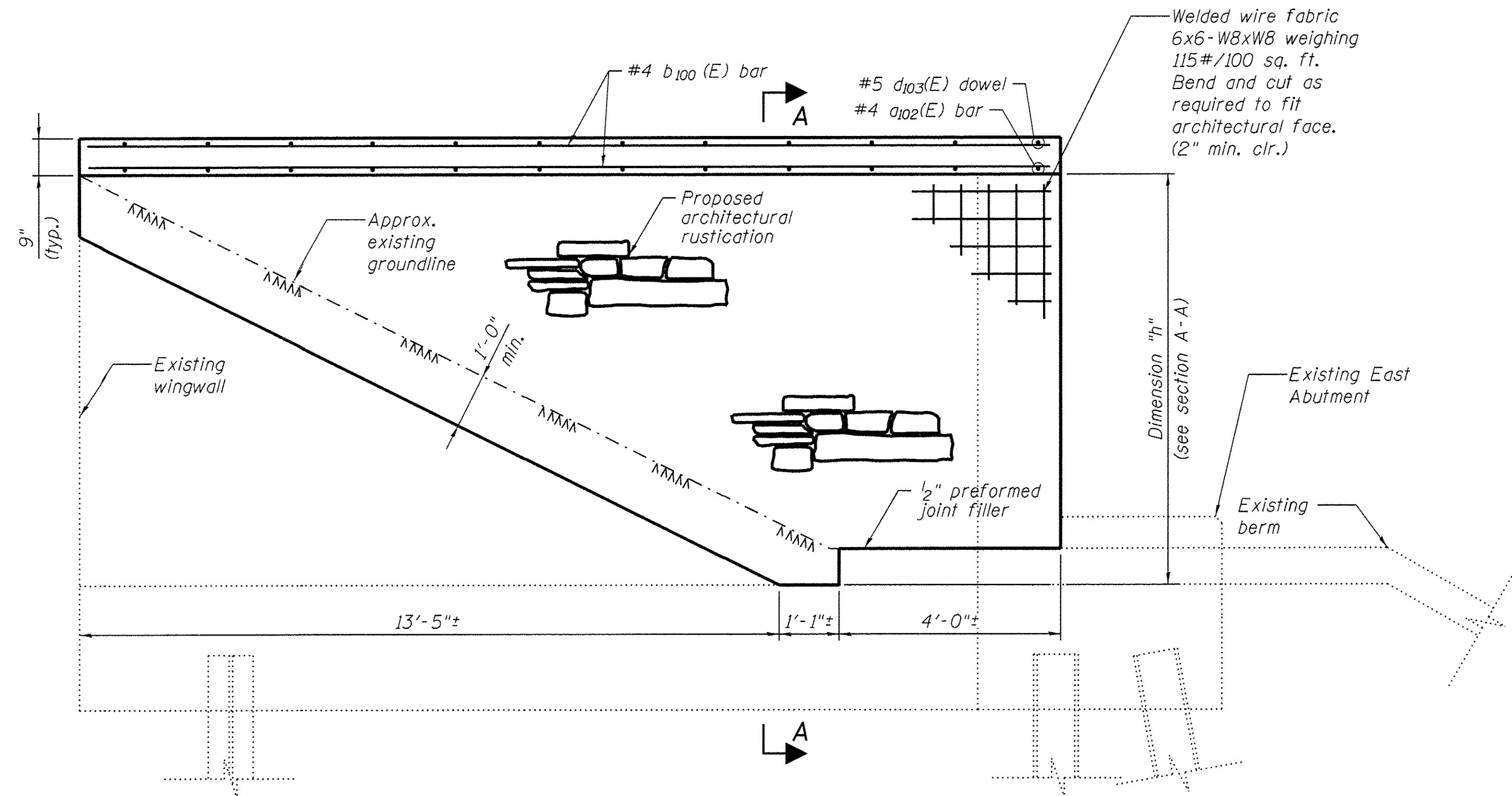
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CHECKED - DFM	REVISED -	
PLOT SCALE =	DRAWN - EML	REVISED -
PLOT DATE =	CHECKED - DFM	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NW WINGWALL DETAILS
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128**

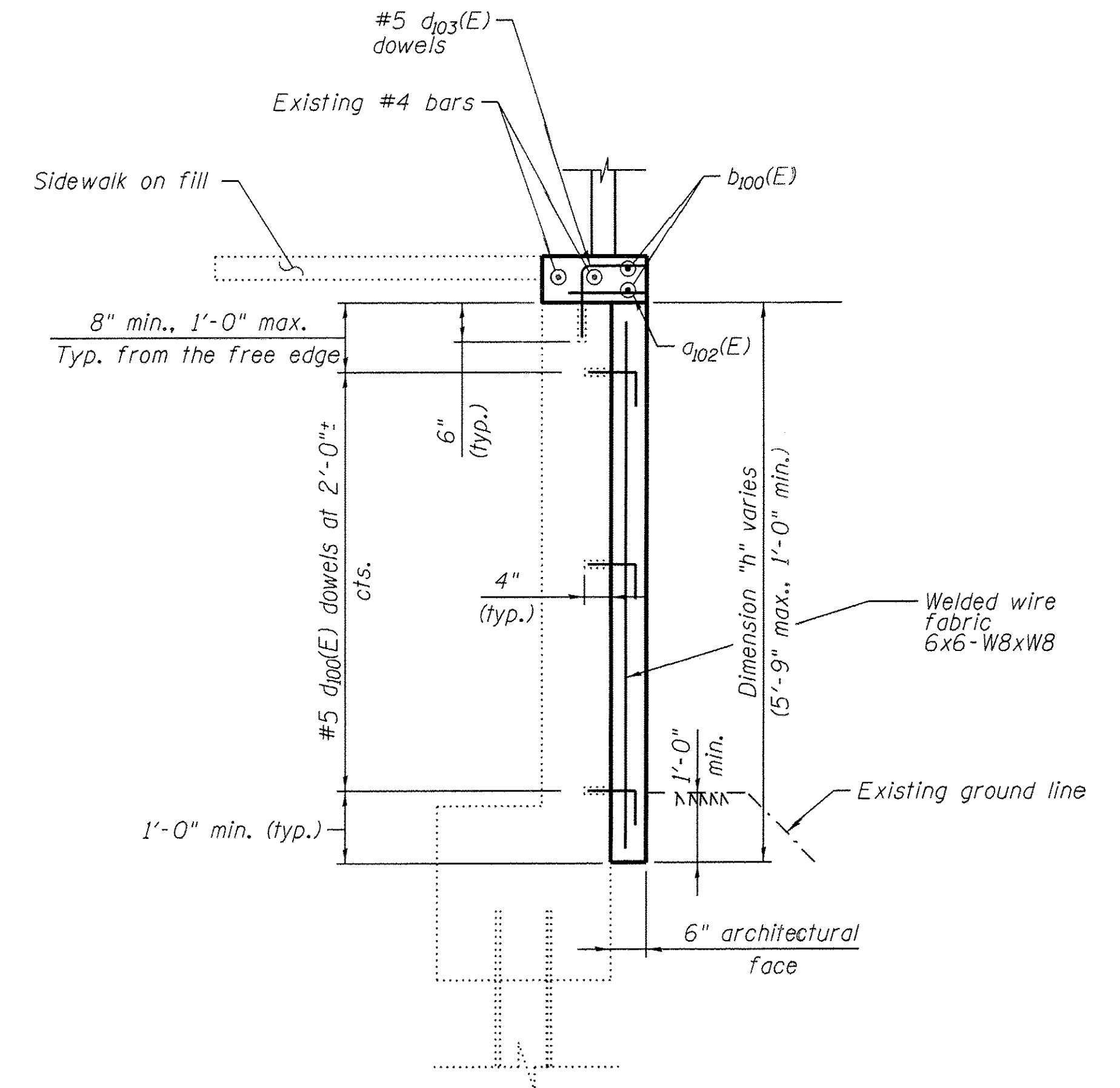
SHEET NO. 18 OF 24 SHEETS

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 43
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
ILLINOIS		FED. AID PROJECT		

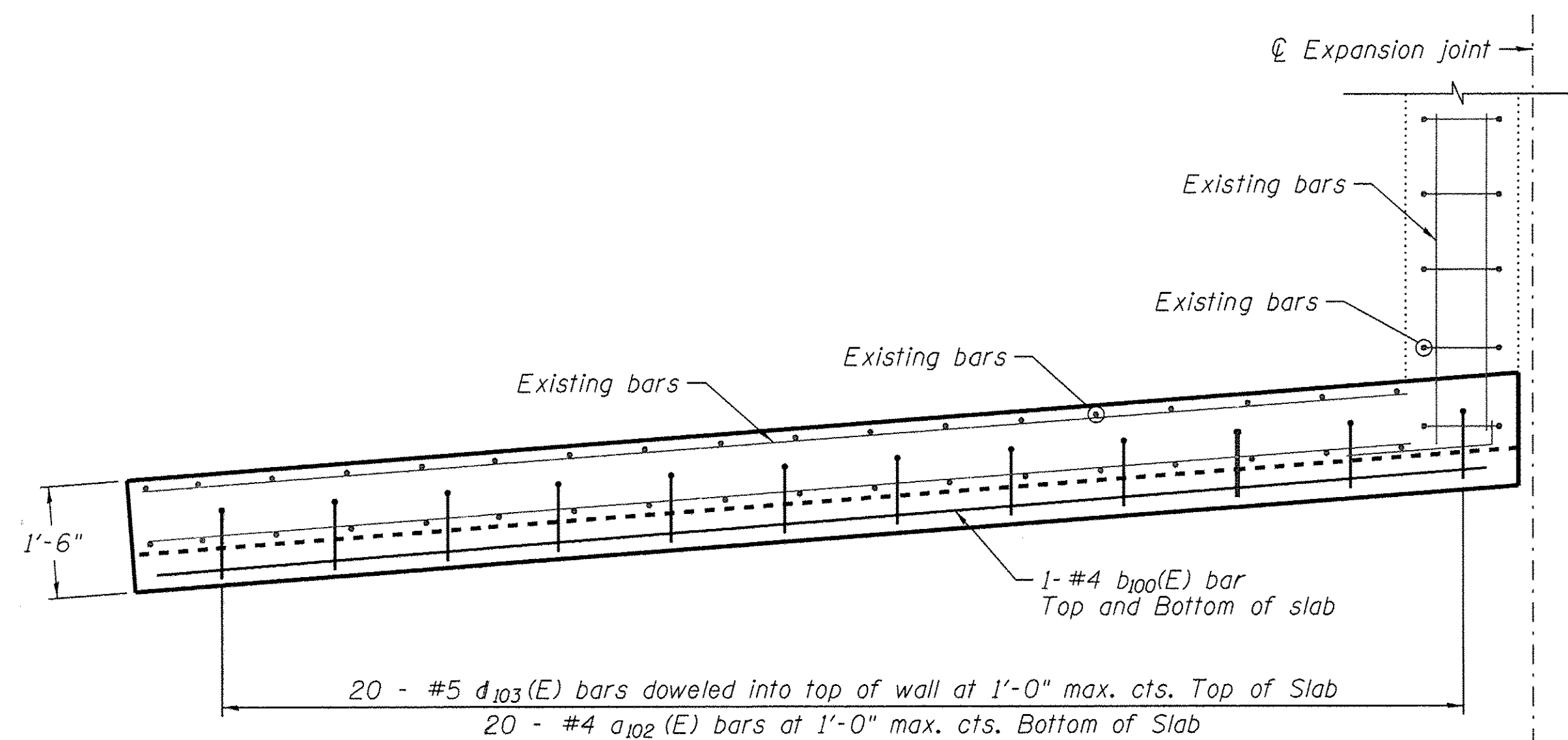


NE WINGWALL ELEVATION

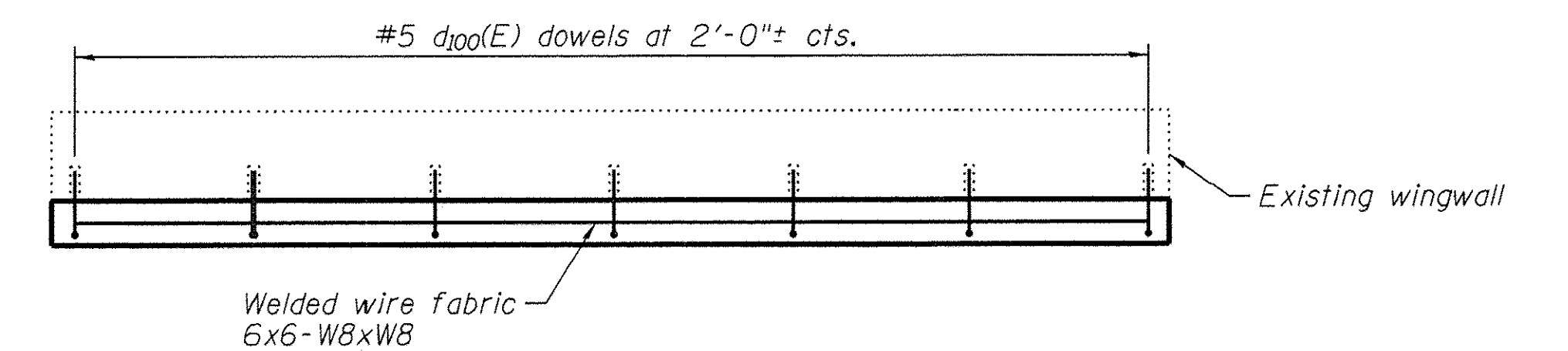
(Looking South)



SECTION A-A



NE WINGWALL PLAN



TYPICAL LONGITUDINAL SECTION THROUGH WALL

NOTES

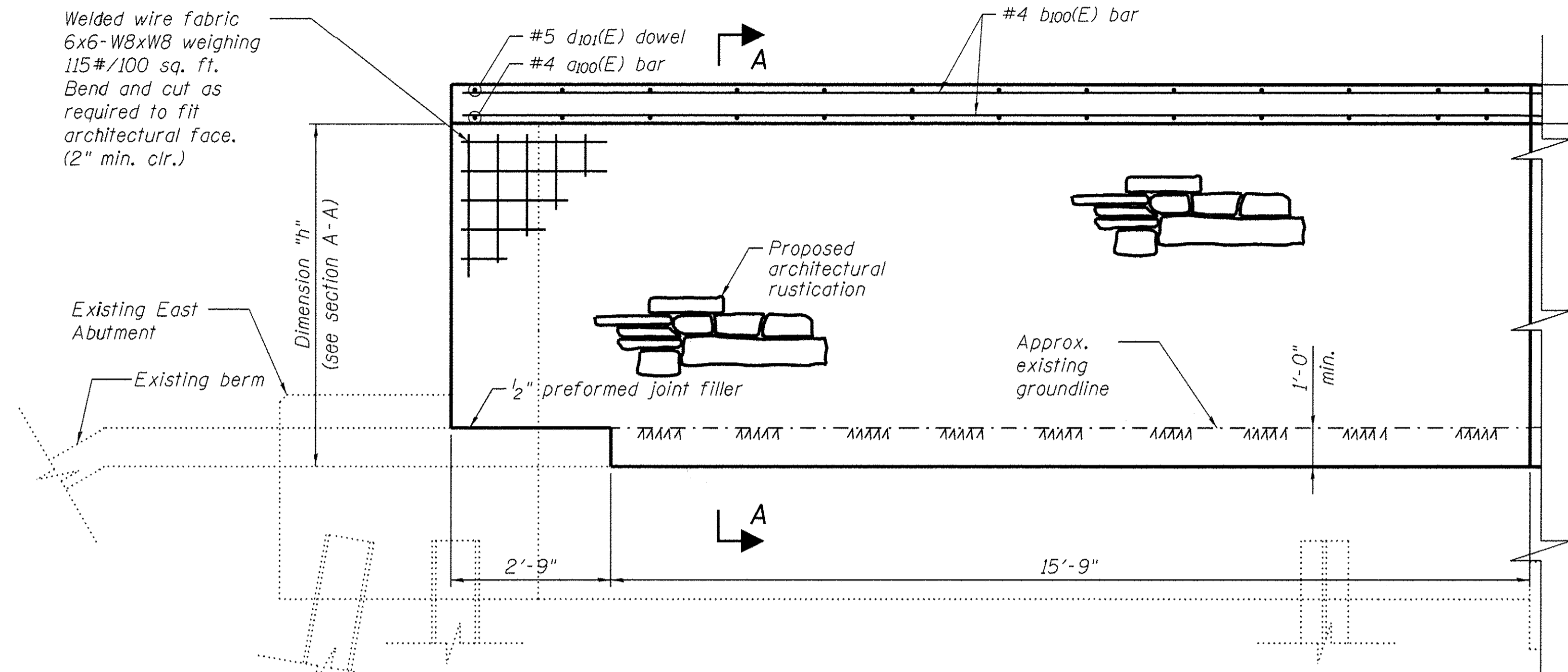
Epoxy grout $d_{100}(E)$ and $d_{101}(E)$ bars according to Article 584 of the Standard Specifications. Drill to miss existing reinforcement. The epoxy grout and method of application shall be approved by the Engineer. All drilling and grouting of rebar to be included with the cost of "Reinforcement Bars, Epoxy Coated."

Preserve existing reinforcement in abutment and wingwall stems.

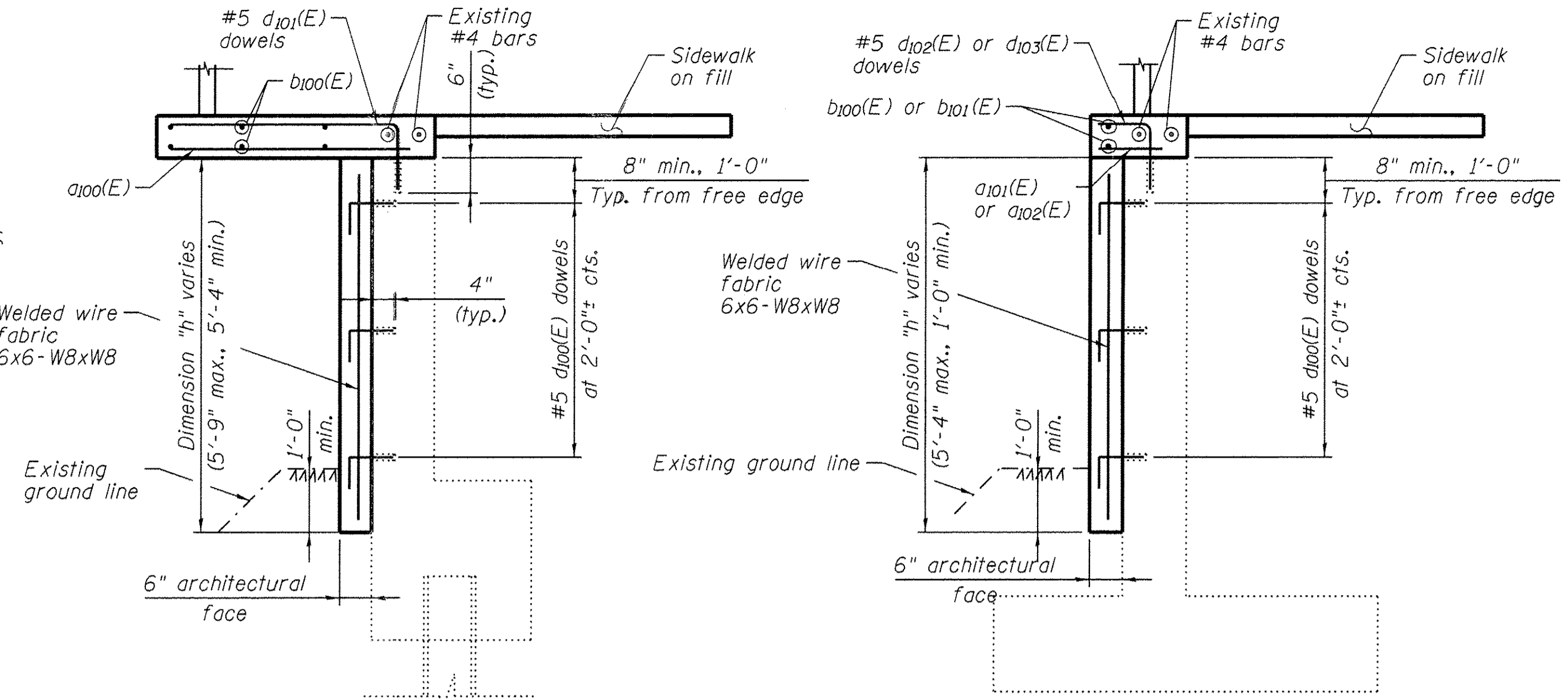
Control joints in existing wall shall be matched in architectural face.

Michael Baker INTERNATIONAL	USER NAME =	DESIGNED - JMK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	NE WINGWALL DETAILS STATE STREET OVER FOX RIVER STRUCTURE NO. 045-3128 SHEET NO. 19 OF 24 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED - DFM	REVISED -			1343	13-00043-00-BR	KANE	64	44	
	PLOT DATE =	DRAWN - EML	REVISED -			JOB NO. C-91-286-13		CONTRACT NO. 61C17			
		CHECKED - DFM	REVISED -			ILLINOIS		FED. AID PROJECT			

Welded wire fabric
6x6-W8xW8 weighing
115#/100 sq. ft.
Bend and cut as
required to fit
architectural face.
(2" min. clr.)

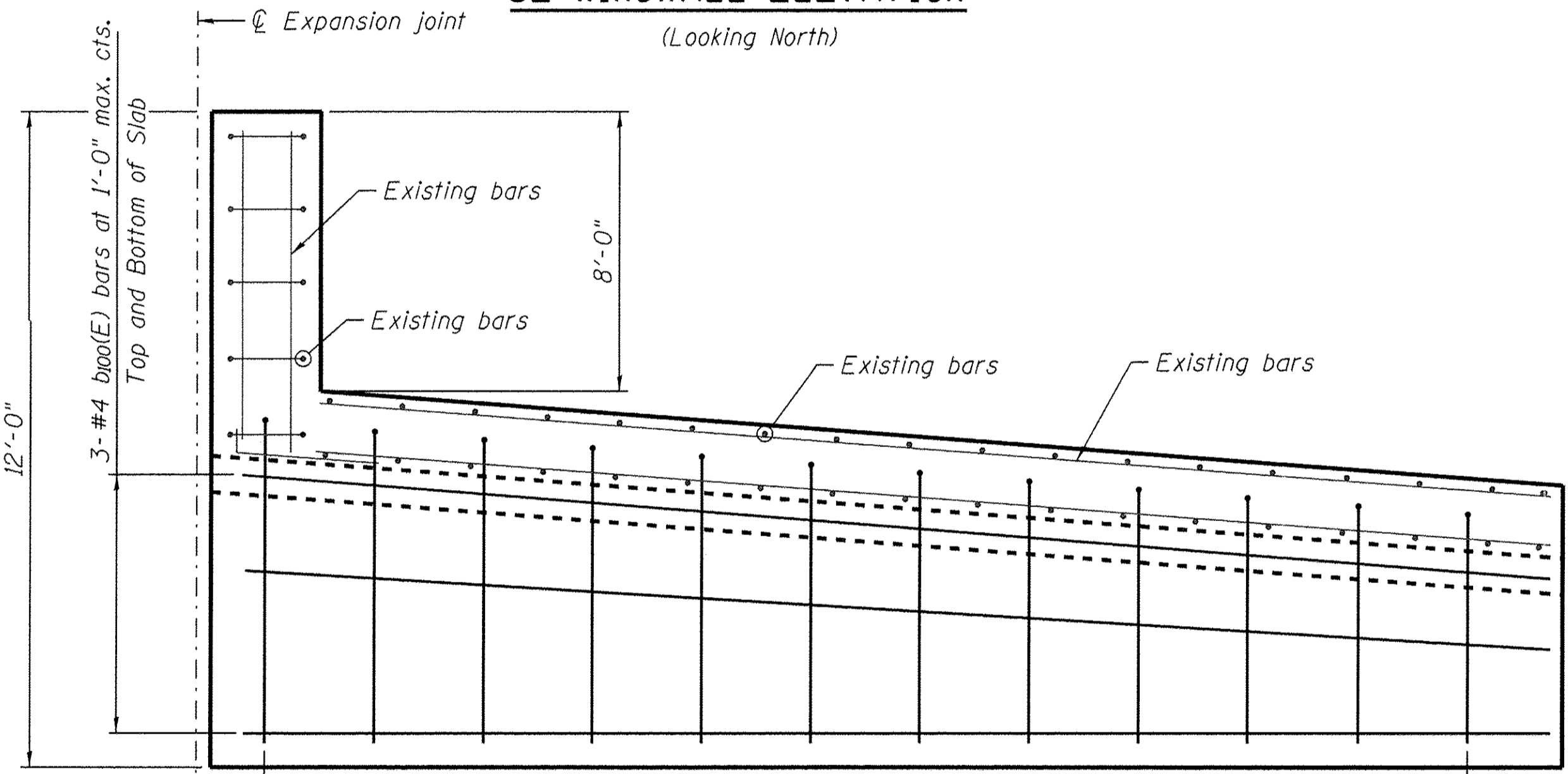


SE WINGWALL ELEVATION
(Looking North)

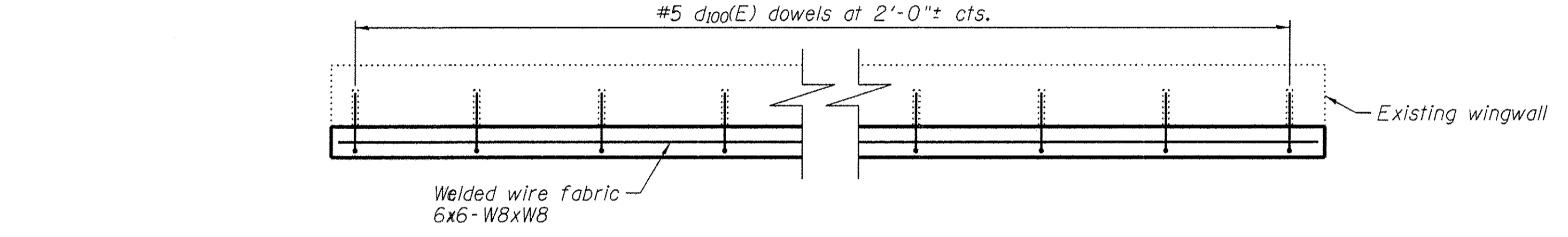


SECTION A-A

SECTION B-B

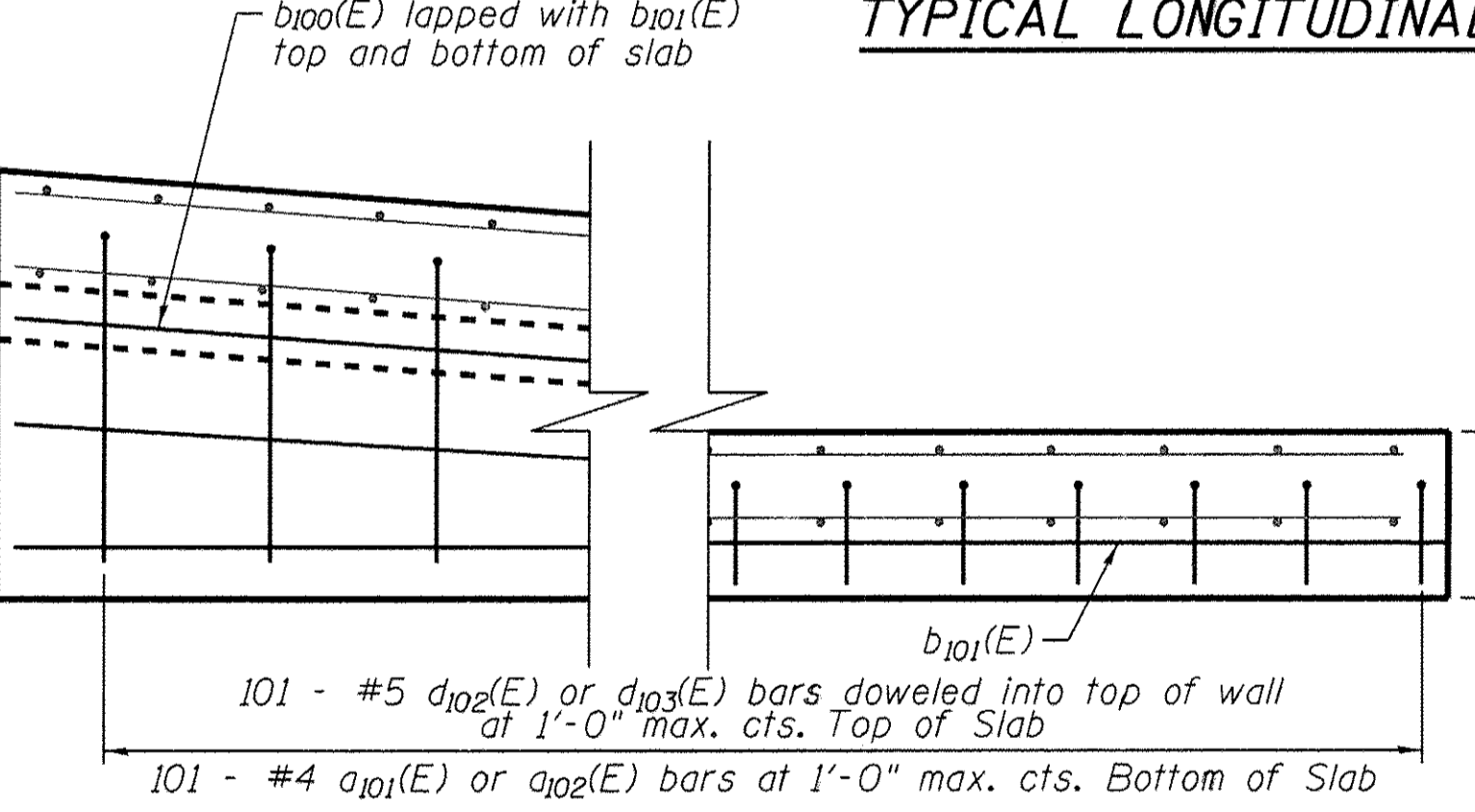


SE WINGWALL PLAN



TYPICAL LONGITUDINAL SECTION THROUGH WALL

MIN. BAR LAPS
#4 Bar - 1'-11"



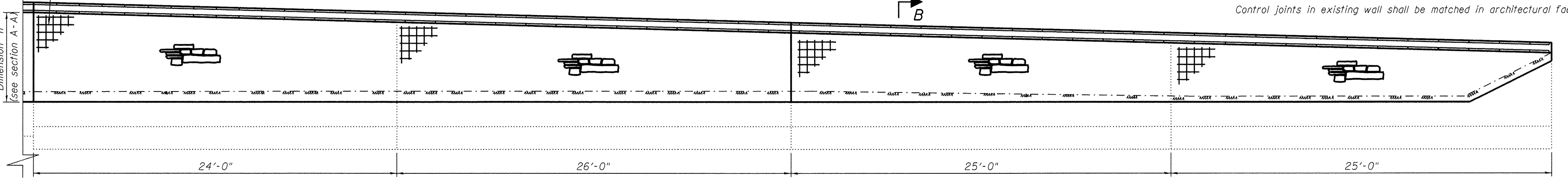
SE RETAINING WALL PLAN

NOTES

Epoxy grout $d_{101}(E)$, $d_{102}(E)$, and $d_{103}(E)$ bars according to Article 584 of the Standard Specifications. Drill to miss existing reinforcement. The epoxy grout and method of application shall be approved by the Engineer. All drilling and grouting of rebar to be included with the cost of "Reinforcement Bars, Epoxy Coated."

Preserve existing reinforcement in abutment and wingwall stems.
Control joints in existing wall shall be matched in architectural face.

Welded wire fabric
6x6-W8xW8 weighing
115#/100 sq. ft.
Bend and cut as
required to fit
architectural face
(typ.)



SE RETAINING WALL ELEVATION
(LOOKING NORTH)

Michael Baker
INTERNATIONAL

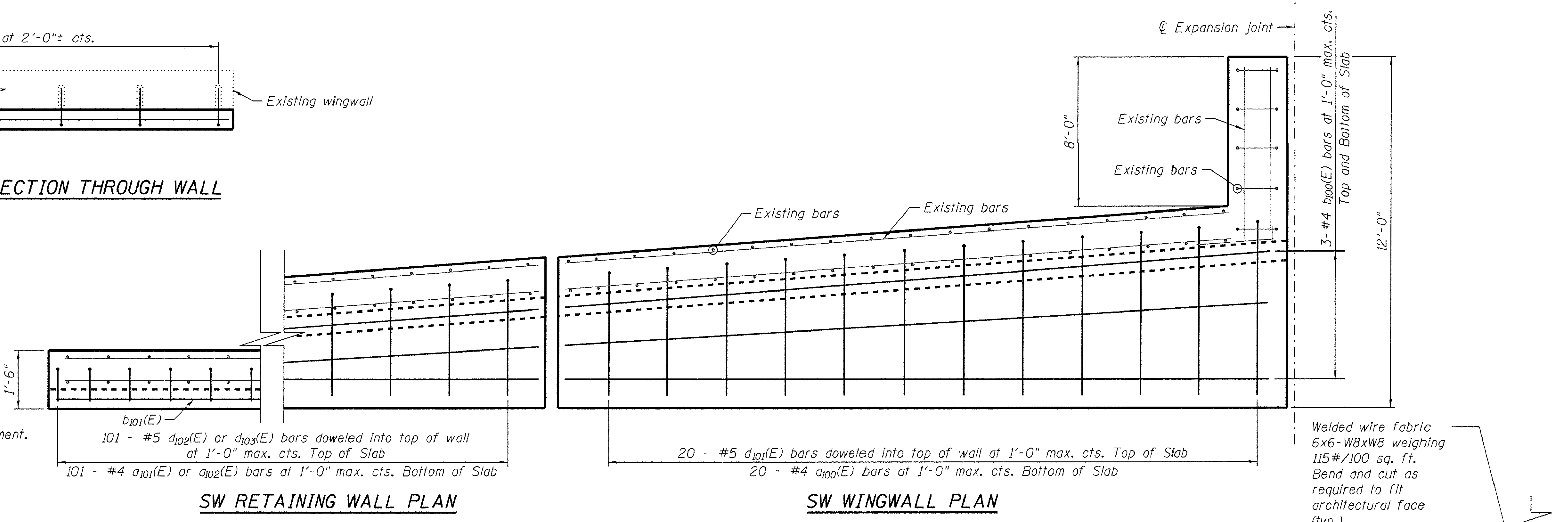
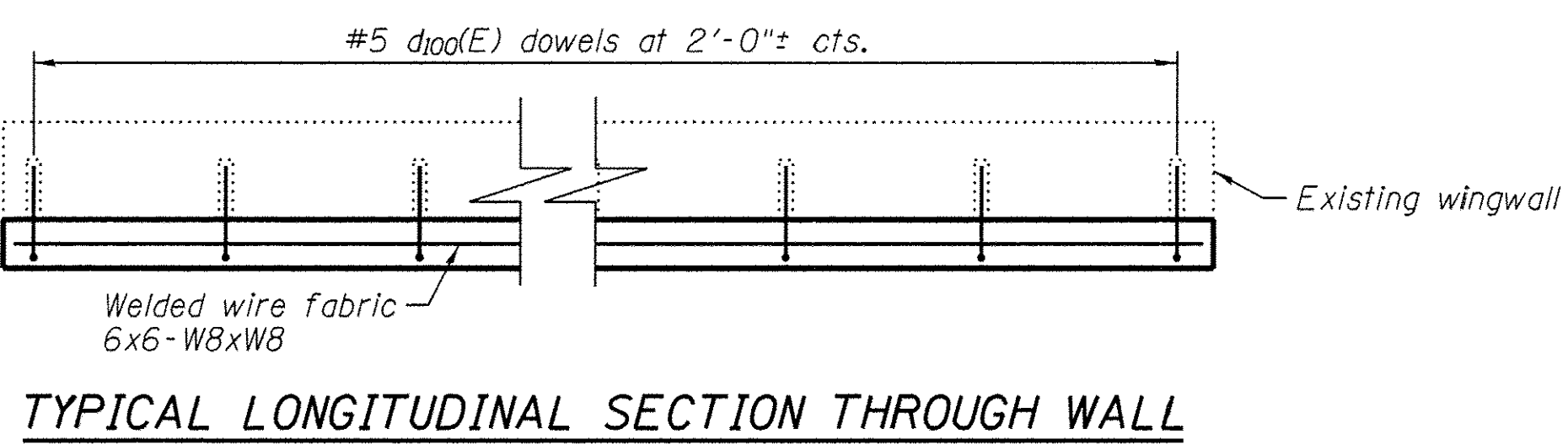
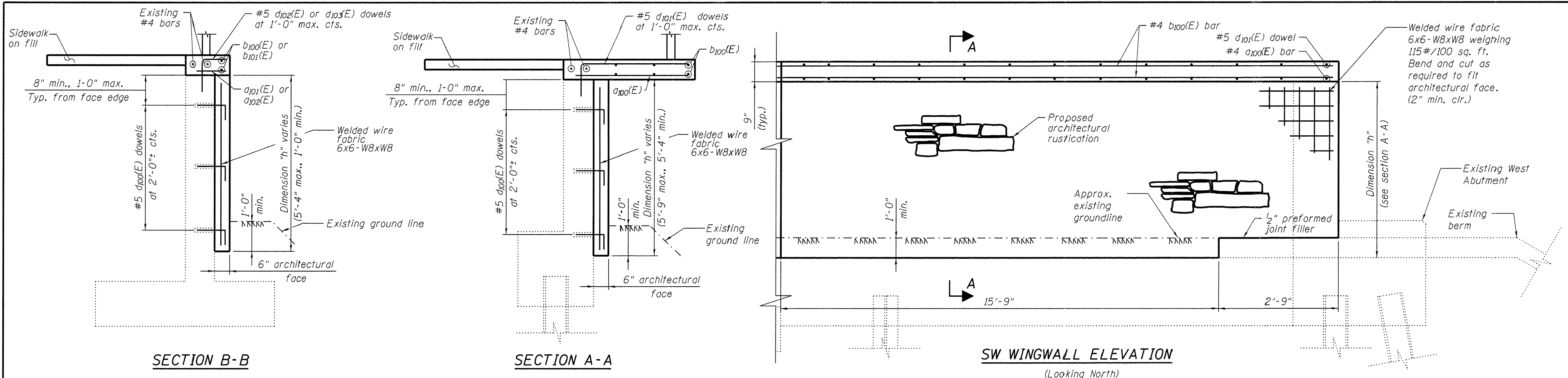
USER NAME =	DESIGNED - JMK	REVISED -
PLOT SCALE =	CHECKED - DFM	REVISED -
PLOT DATE =	DRAWN - EML	REVISED -
	CHECKED - DFM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SE WINGWALL DETAILS
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	45
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
ILLINOIS		FED. AID PROJECT		

SHEET NO. 20 OF 24 SHEETS



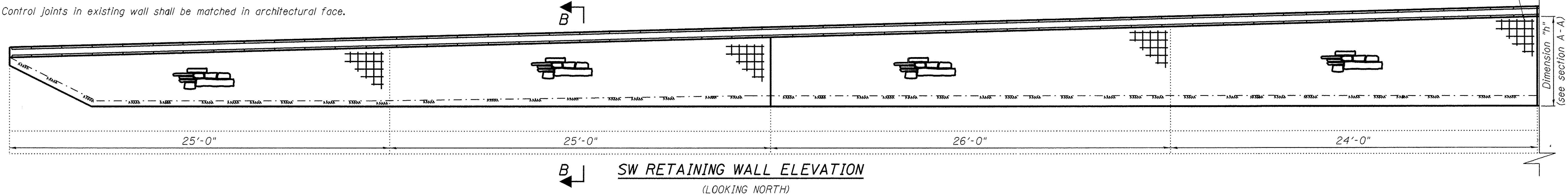
MIN. BAR LAPS
#4 Bar - 1'-11"

NOTES

Epoxy grout $d_{101}(E)$, $d_{102}(E)$, and $d_{103}(E)$ bars according to Article 584 of the Standard Specifications. Drill to miss existing reinforcement. The epoxy grout and method of application shall be approved by the Engineer. All drilling and grouting of rebar to be included with the cost of "Reinforcement Bars, Epoxy Coated."

Preserve existing reinforcement in abutment and wingwall stems.

Control joints in existing wall shall be matched in architectural face.



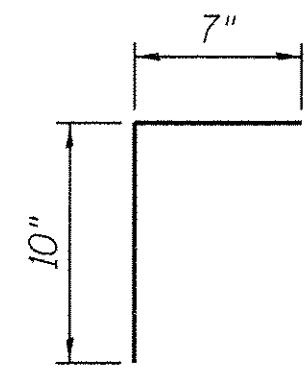
Michael Baker
INTERNATIONAL

USER NAME =	DESIGNED - JMK	REVISED -
PLOT SCALE =	CHECKED - DFM	REVISED -
PLOT DATE =	DRAWN - EML	REVISED -
	CHECKED - DFM	REVISED -

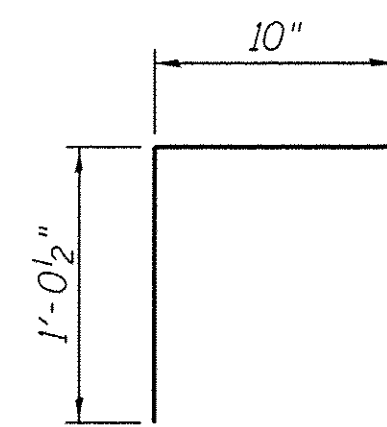
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SW WINGWALL DETAILS
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128
SHEET NO. 21 OF 24 SHEETS

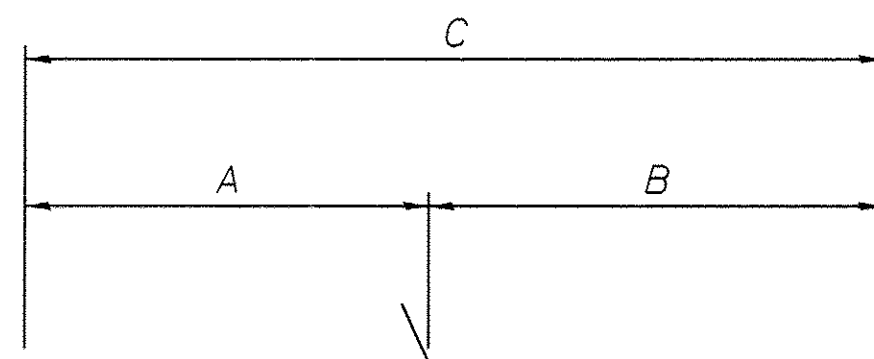
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	46
JOB NO. C-91-286-13	CONTRACT NO. 61C17			
ILLINOIS		FED. AID PROJECT		



Bar $d_{100}(E)$

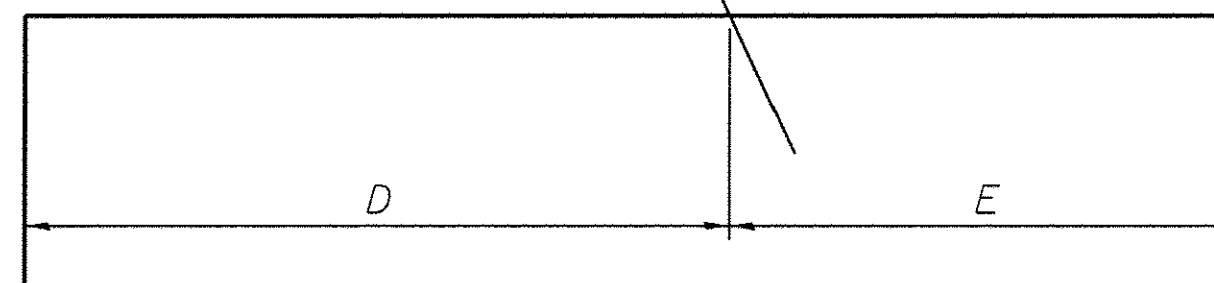
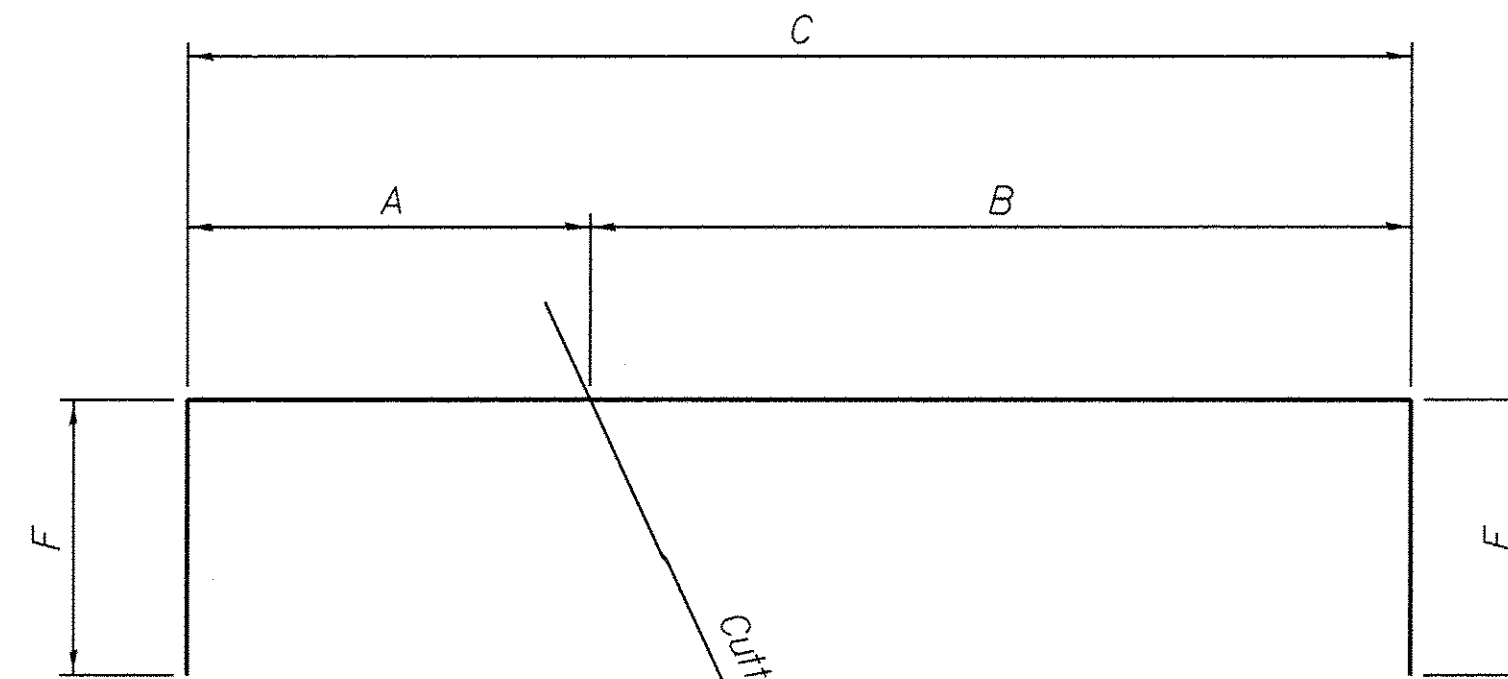


Bar $d_{103}(E)$



Bar	A	B	C	D	E
$d_{100}(E)$	2'-2"	3'-8"	5'-10"	3'-8"	2'-2"
$d_{101}(E)$	1'-2"	2'-2"	3'-4"	2'-2"	1'-2"

BAR CUTTING DIAGRAM



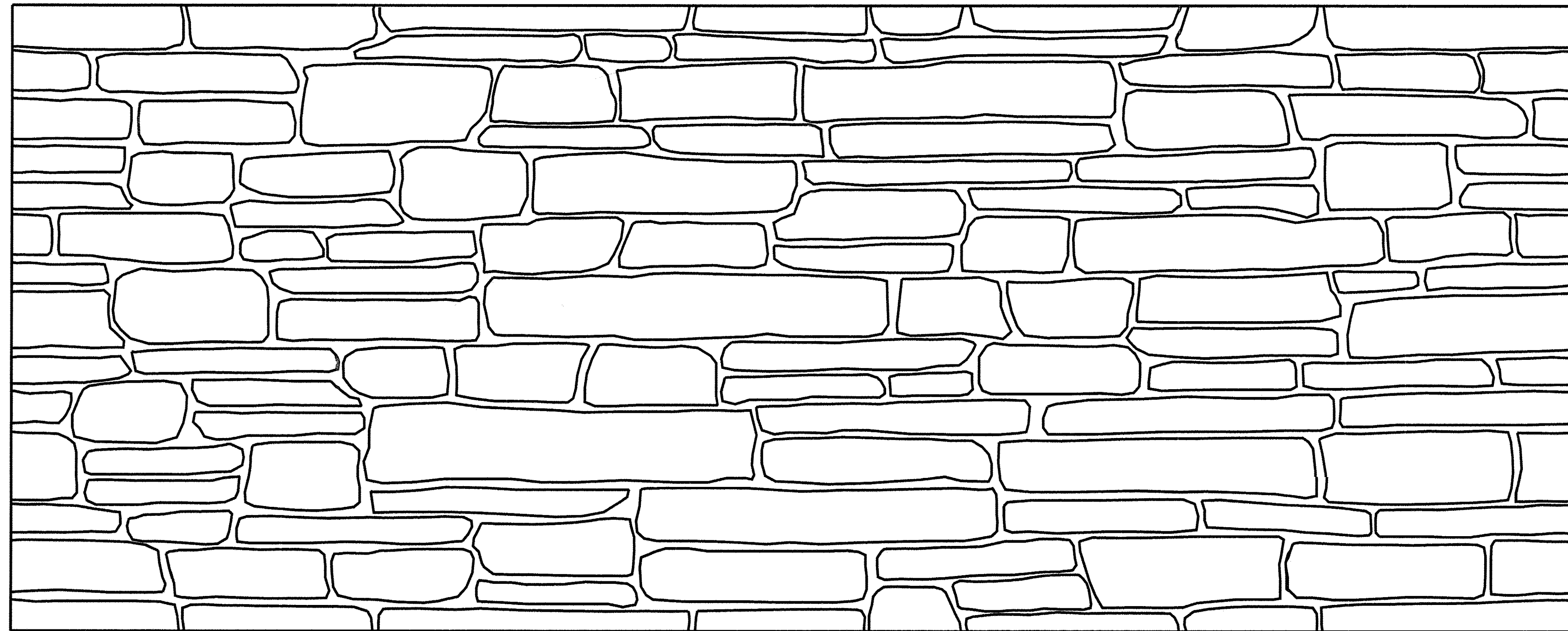
Bar	A	B	C	D	E	F
$d_{101}(E)$	1'-10 1/2"	3'-3"	5'-1 1/2"	3'-3"	1'-10 1/2"	1 1/2"
$d_{102}(E)$	10"	1'-10"	2'-8"	1'-10"	10"	1 1/2"

BAR CUTTING DIAGRAM

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$d_{100}(E)$	40	#4	5'-10"	—
$d_{101}(E)$	50	#4	3'-4"	—
$d_{102}(E)$	192	#4	1'-2"	—
$b_{100}(E)$	28	#4	18'-2"	—
$b_{101}(E)$	20	#4	29'-1"	—
$d_{100}(E)$	400	#5	1'-5"	┌
$d_{101}(E)$	40	#5	7'-0 1/2"	┌
$d_{102}(E)$	50	#5	4'-7"	┌
$d_{103}(E)$	192	#5	1'-10 1/2"	┌
Reinforcement Bars, Epoxy Coated			Pound	2650
Concrete Structures			Cu. Yds.	21

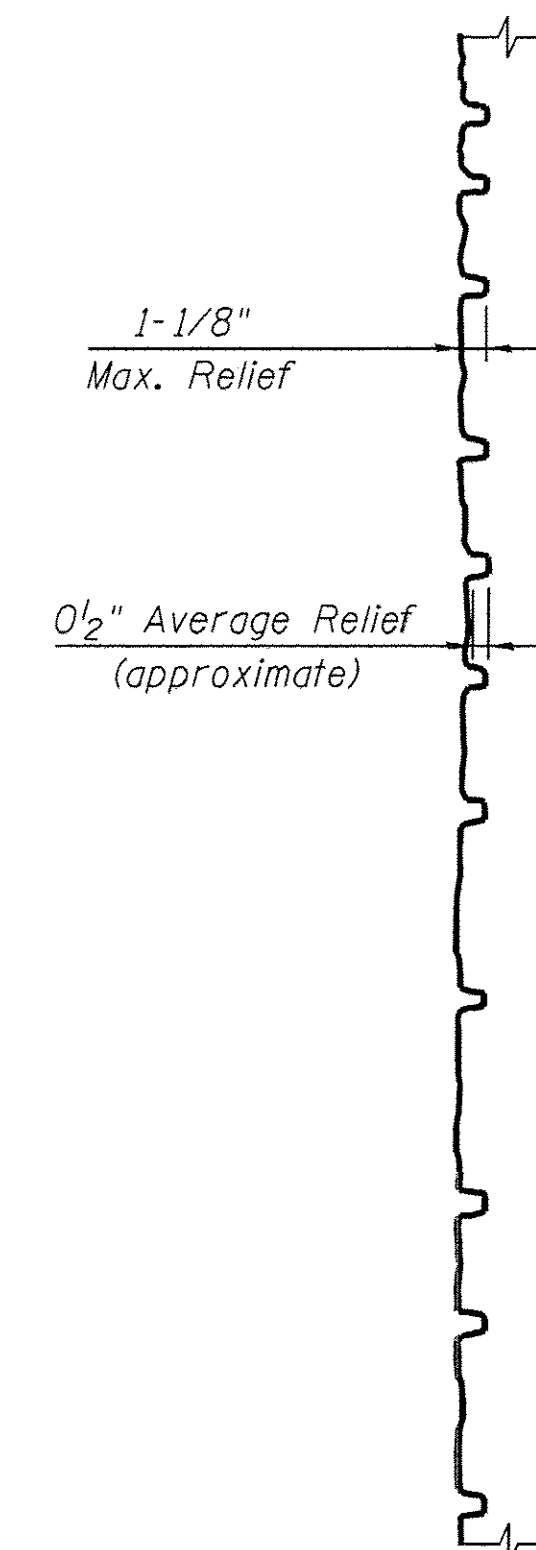
Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.



A ↖

↙ A

RUSTICATION PATTERN ELEVATION



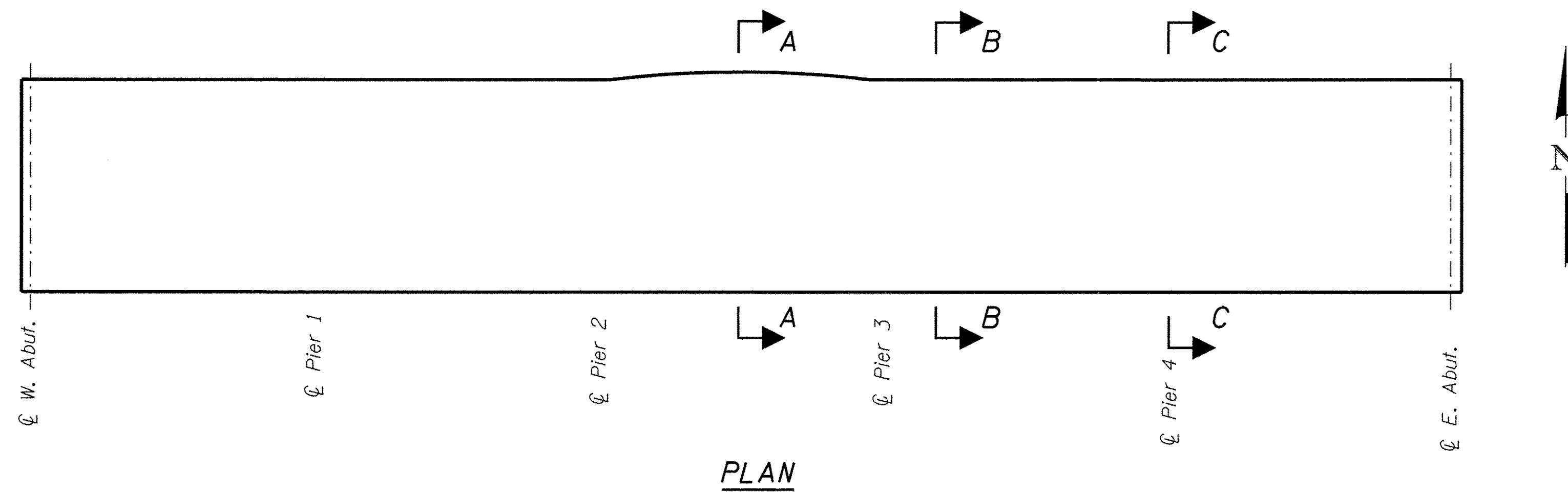
SECTION A-A

NOTES

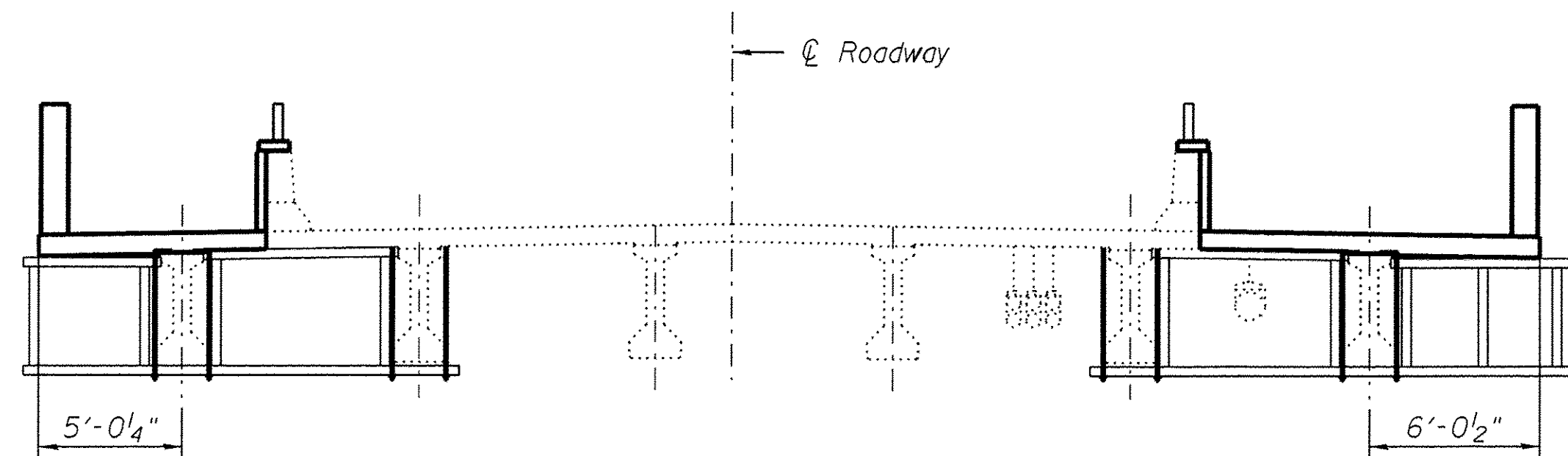
1. Stones are pattern-matched right-to-left & top-to-bottom
2. Stone heights: 1 1/2" to 6 1/2"
Stone widths: 6" to 32"
3. Grout lines: Approx. 1/2" wide by 1/2" deep, varying
4. Patterning shown is for reference only. Coordinate actual limits of form liner with structural information.
5. Dimension provided are for reference only. Coordinate actual limits of form liner with structural information.

USER NAME =	DESIGNED - JMK	REVISED -
	CHECKED - DFM	REVISED -
PLOT SCALE =	DRAWN - EML	REVISED -
PLOT DATE =	CHECKED - DFM	REVISED -

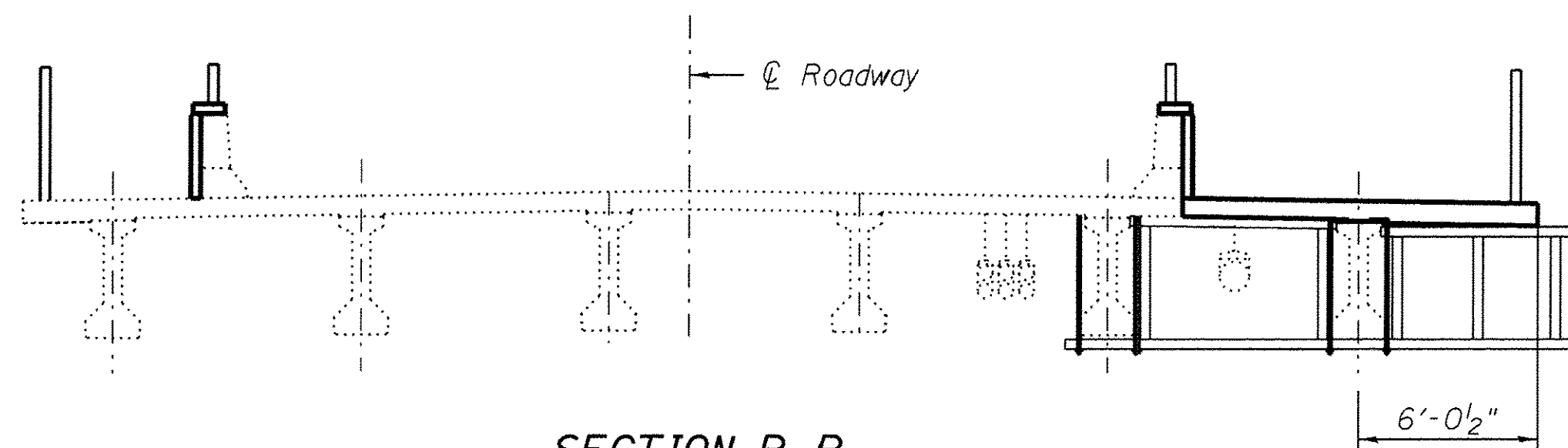
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	48
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
ILLINOIS		FED. AID PROJECT		



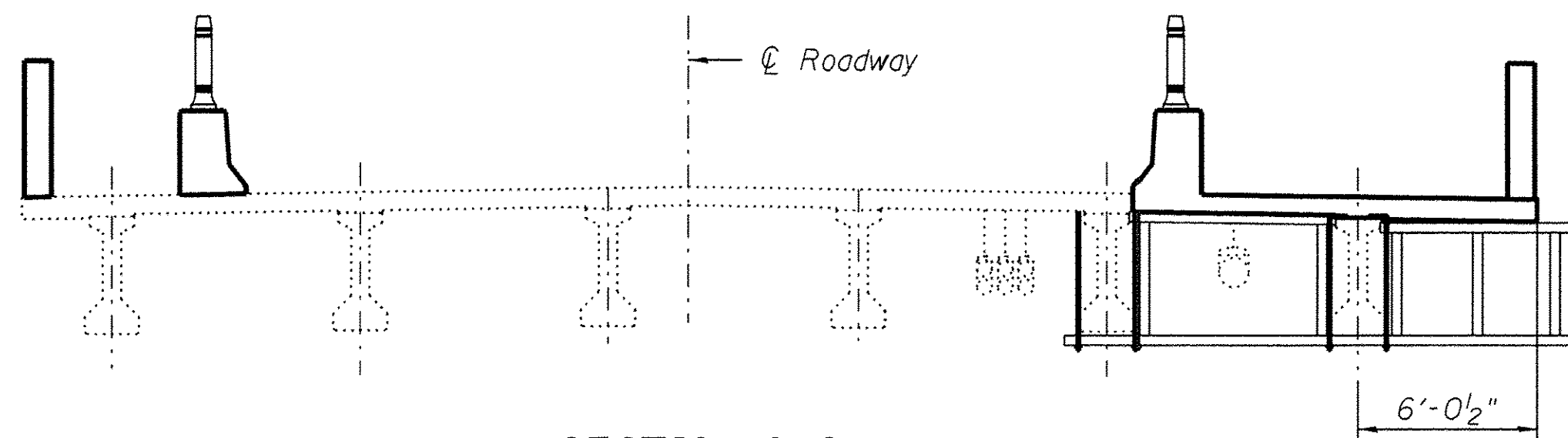
PLAN



SECTION A-A
(Looking East)



SECTION B-B
(Looking East)



SECTION C-C
(Looking East)

NOTES

The deck overhang exceeds standard overhang lengths. Forming brackets shall be designed to meet the requirements of Article 503.06(b) of the Standard Specifications. For standard cantilever forming brackets, see Standard Drawing SB-1.

The beams or girders, supporting cantilever forming brackets, shall be tied together at required spacing.

Contractor shall verify stability of fascia beams from overturning. Contractor shall provide temporary bracing as required.

Michael Baker
INTERNATIONAL

USER NAME =	DESIGNED - JRB	REVISED -
	CHECKED - DFM	REVISED -
PLOT SCALE =	DRAWN - EML	REVISED -
PLOT DATE =	CHECKED - DFM	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHANG FORMING ALTERNATIVE FOR SUPERSTRUCTURE
STATE STREET OVER FOX RIVER
STRUCTURE NO. 045-3128

SHEET NO. 24 OF 24 SHEETS

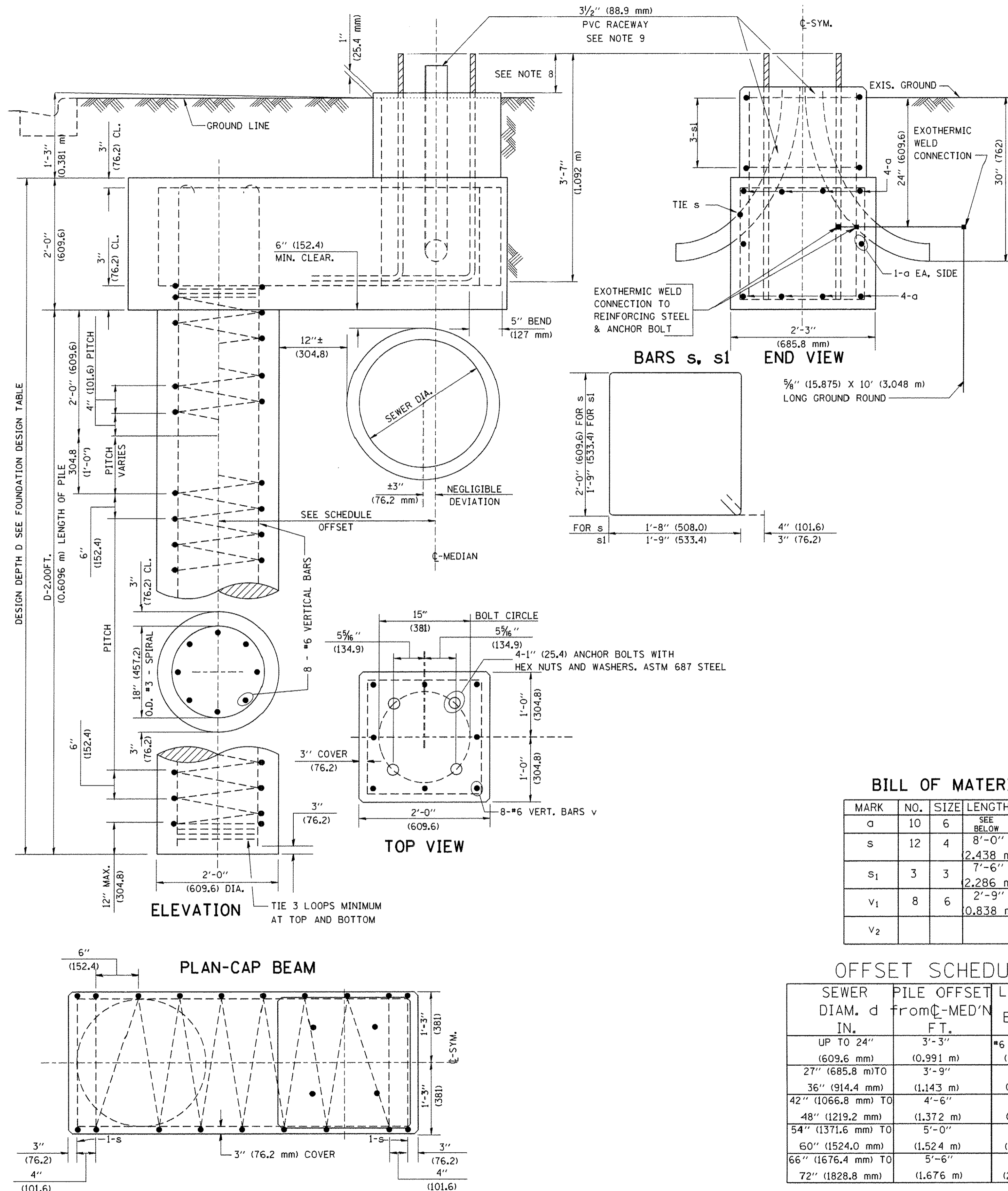
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	49
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
ILLINOIS		FED. AID PROJECT		

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERCTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2,438 m)	□
s ₁	3	3	7'-6" (2,286 m)	□
v ₁	8	6	2'-9" (0,838 m)	—
v ₂				

OFFSET SCHEDULE

SEWER DIAM. d	PILE OFFSET from C-MED'N	LENGTH of BAR a
IN.	FT.	FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1.600 m)
27" (685.8 mm) TO	3'-9" (1.143 m)	5'-9" (1.753 m)
36" (914.4 mm) TO	4'-6" (1.372 m)	6'-6" (1.981 m)
48" (1219.2 mm) TO	5'-0" (1.524 m)	7'-0" (2.134 m)
60" (1524.0 mm) TO	5'-6" (1.676 m)	7'-6" (2.286 m)
66" (1676.4 mm) TO		
72" (1828.8 mm)		

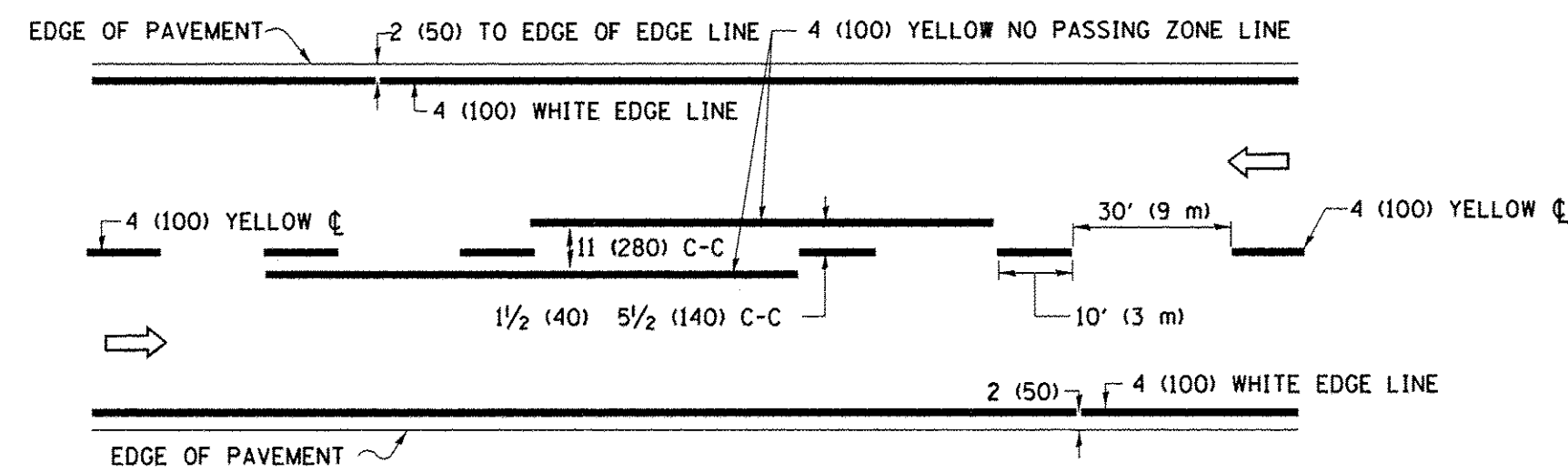
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		DRAWN -	REVISED -
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	PLOT DATE = 6/16/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

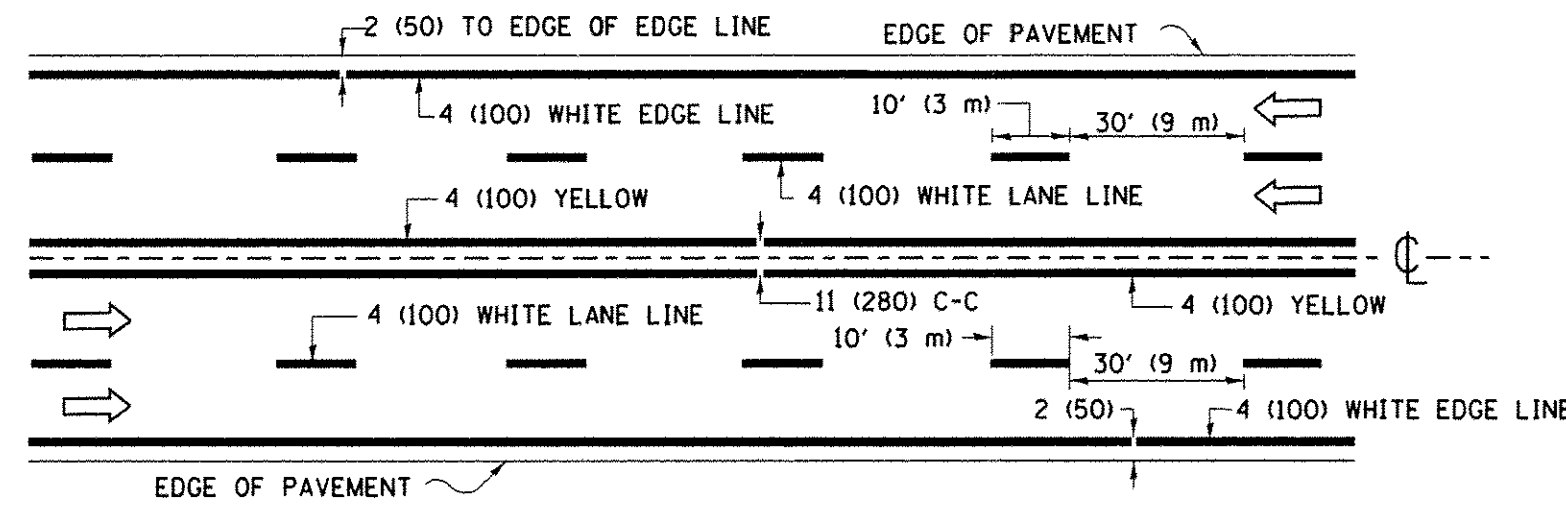
LIGHT POLE FOUNDATION OFFSET
40' (12.192 m) TO 47 1/2' (14.478 m) M.H.
15" (381 mm) BOLT CIRCLE

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

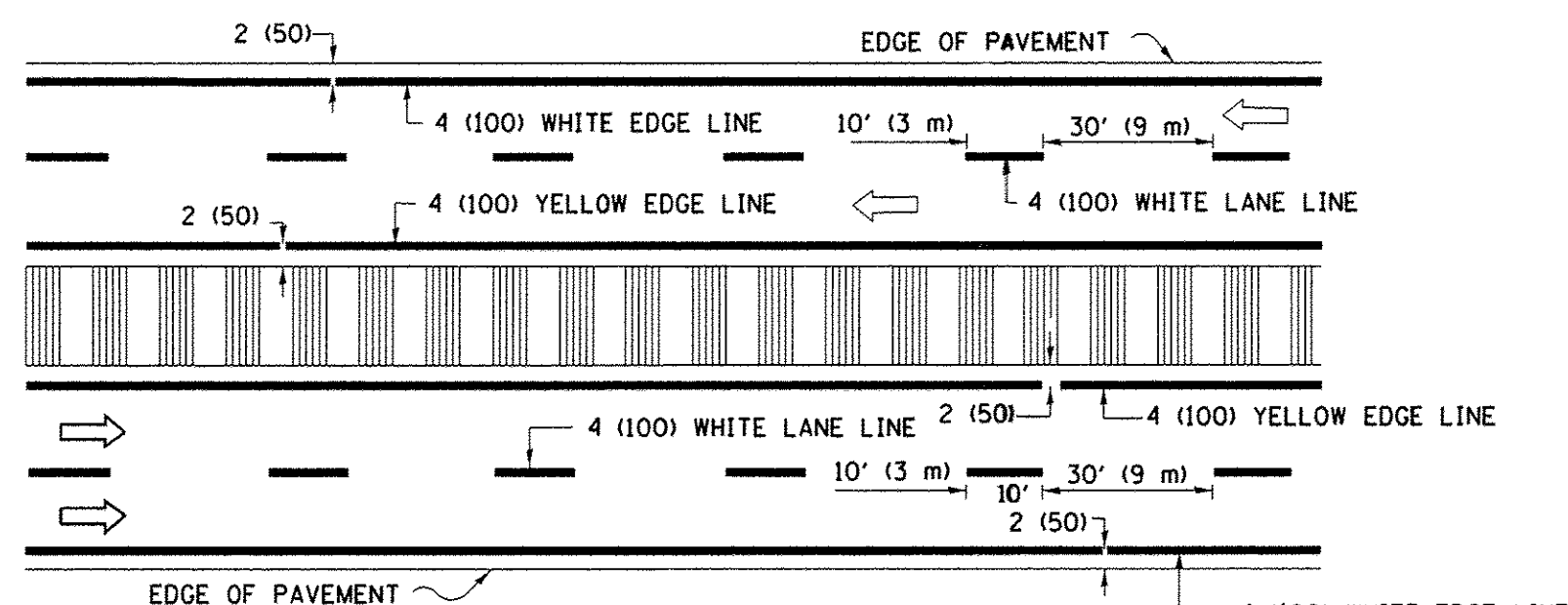
F.A. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 50
BE-310		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

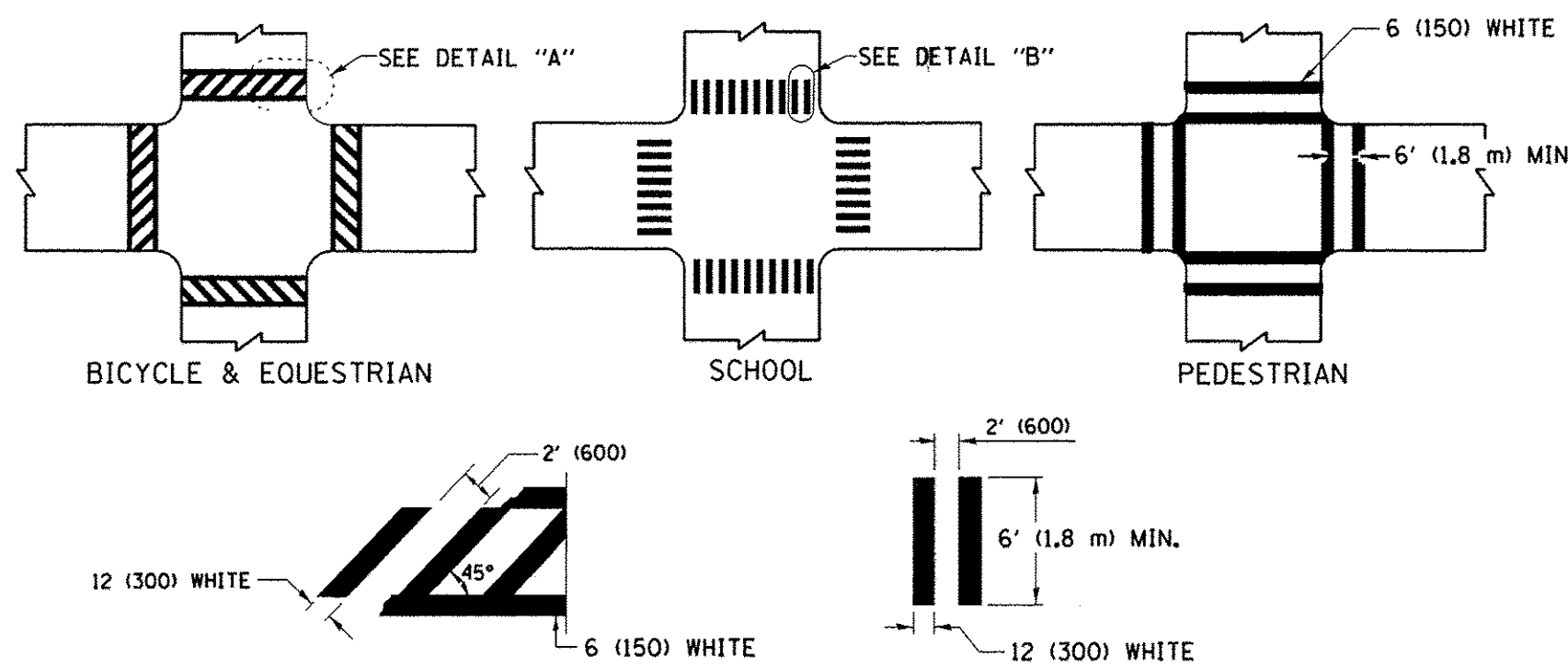


MULTI-LANE UNDIVIDED

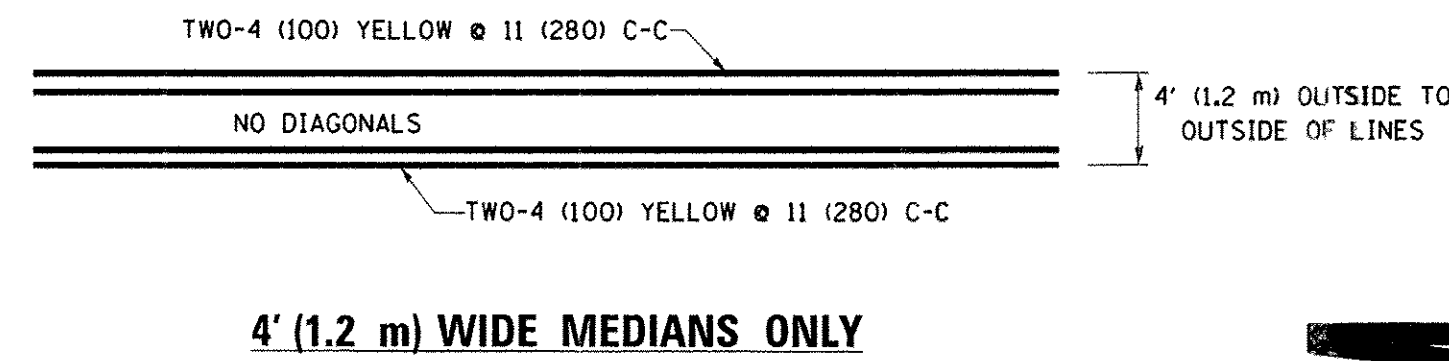


MULTI-LANE DIVIDED WITH MEDIAN

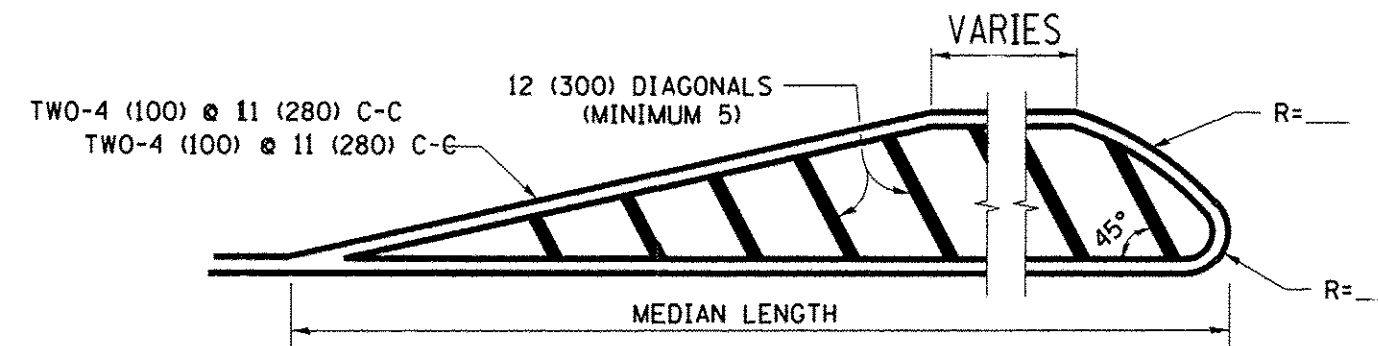
TYPICAL LANE AND EDGE LINE MARKING



DETAIL "A" - TYPICAL CROSSWALK MARKING

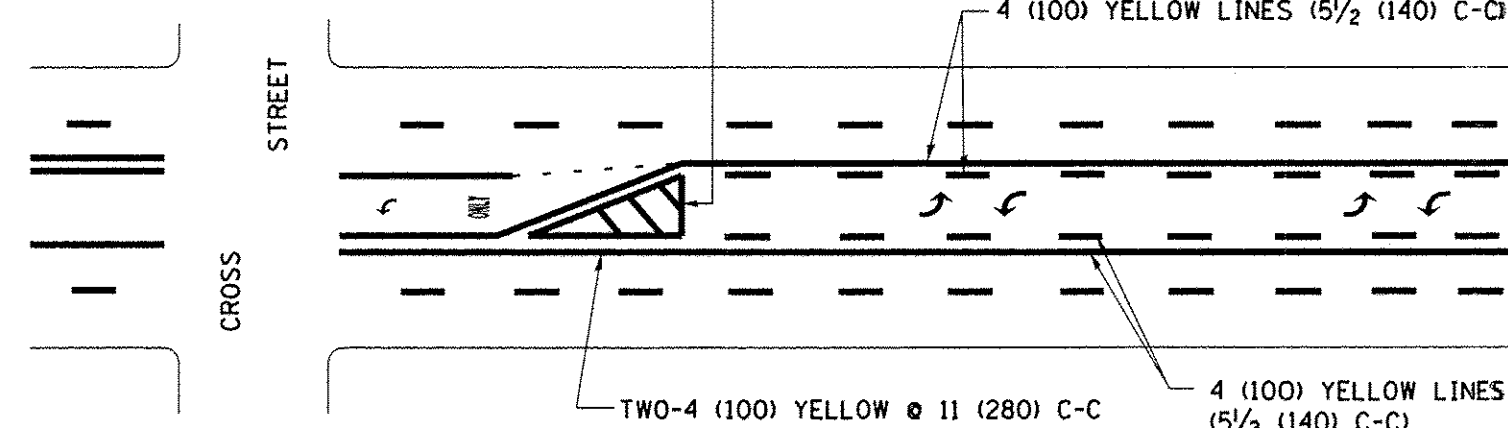


4' (1.2 m) WIDE MEDIANS ONLY

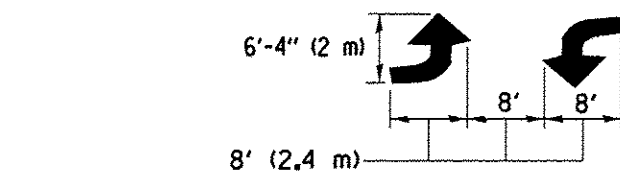


MEDIANS OVER 4' (1.2 m) WIDE

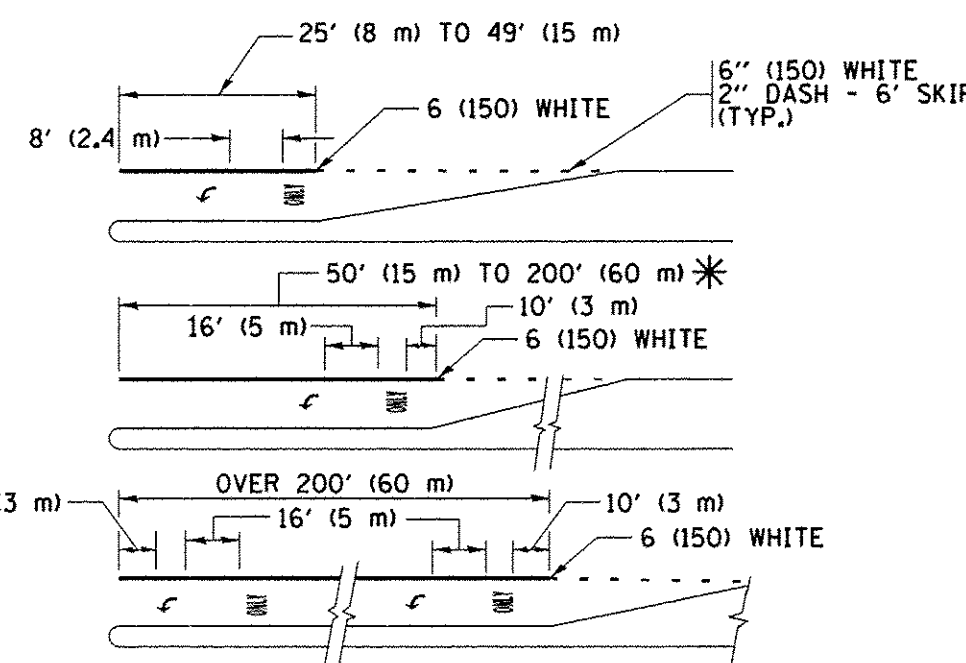
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE - TYPICAL PAINTED MEDIAN MARKING

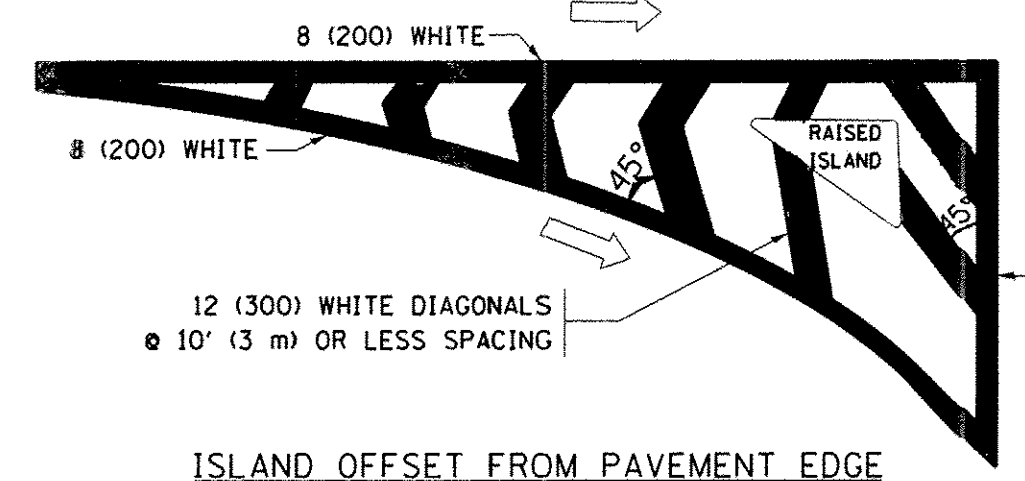


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

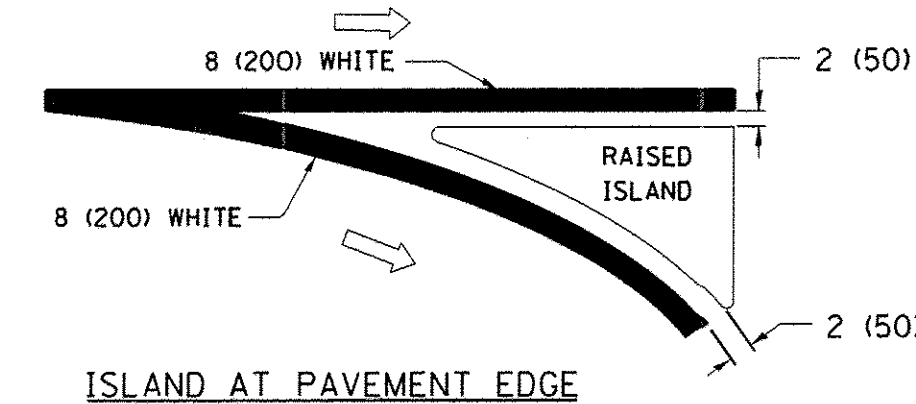
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

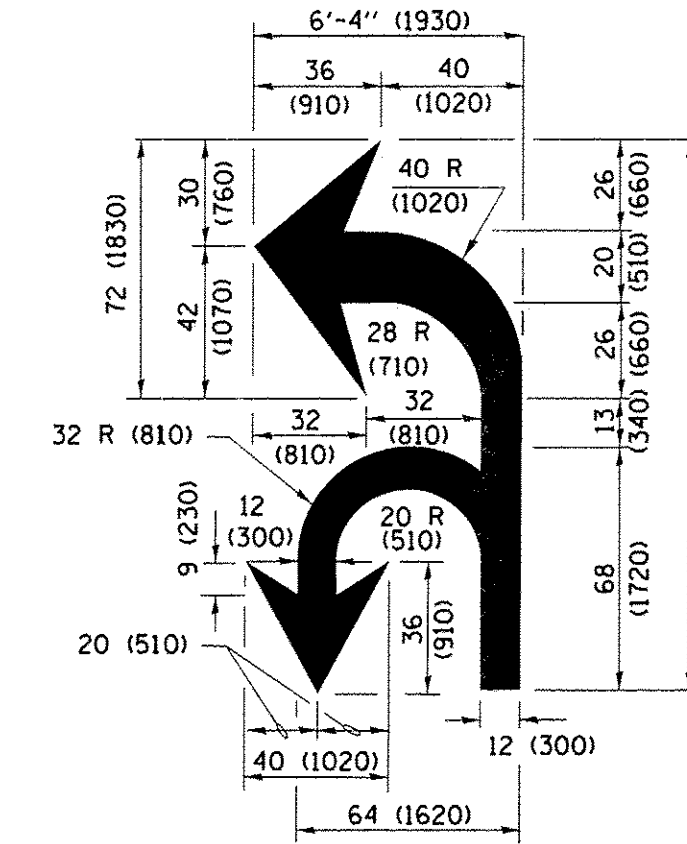
TYPICAL TURN LANE MARKING



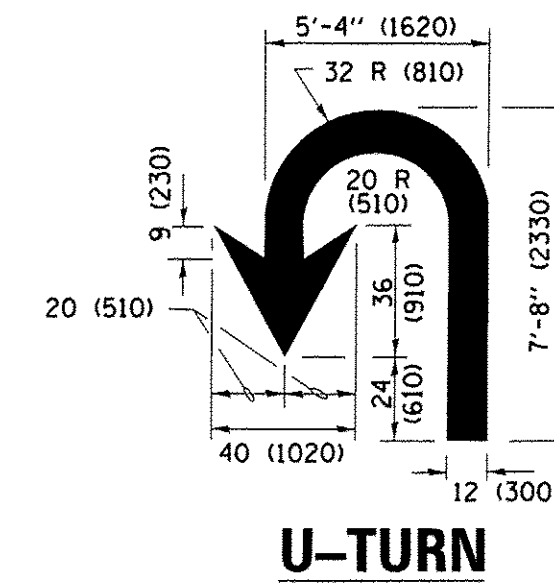
ISLAND OFFSET FROM PAVEMENT EDGE



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



LANE REDUCTION TRANSITION
* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH AND SOLID 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW WHITE WHITE	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

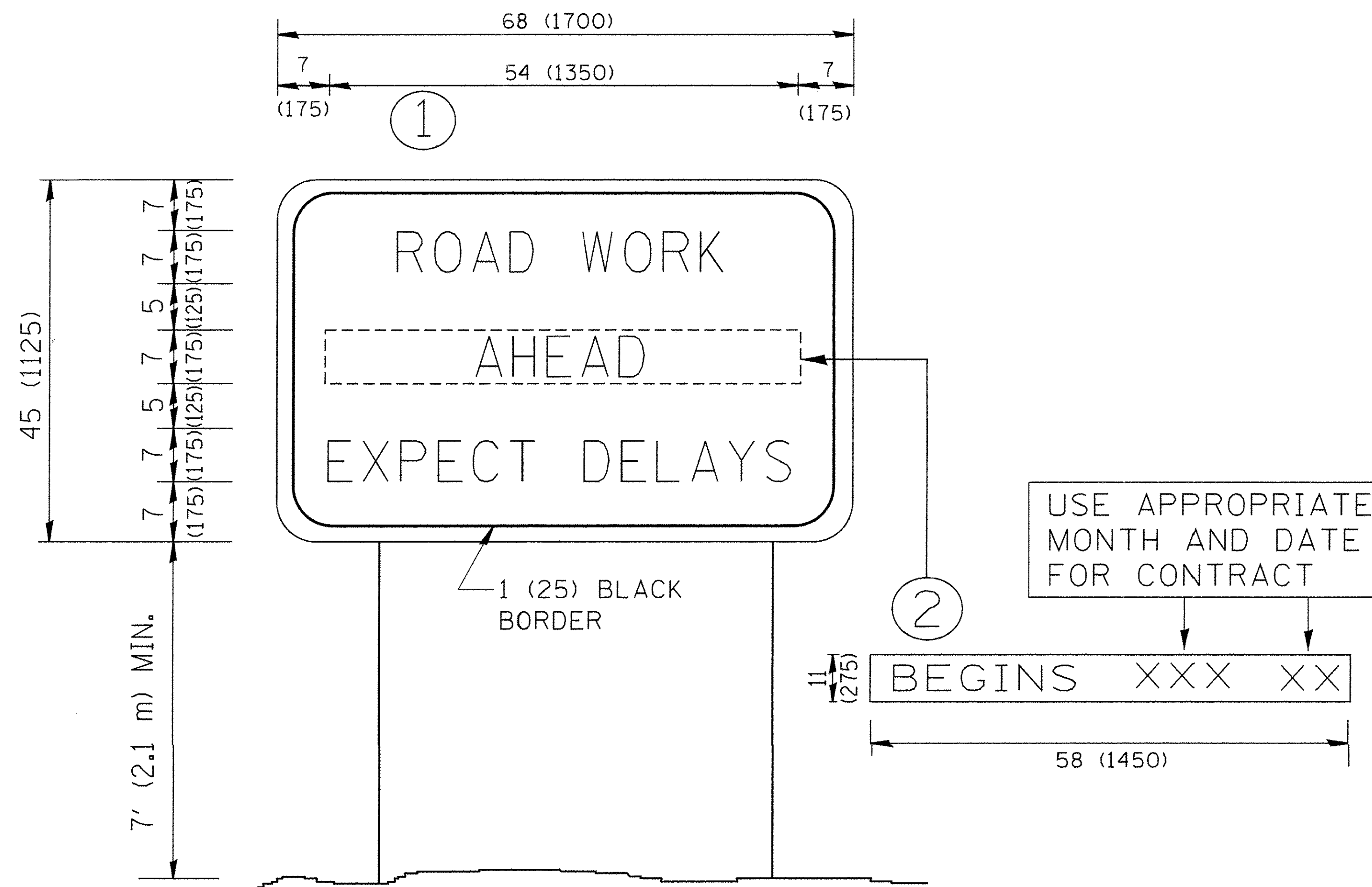
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

FILE NAME =	USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
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Default	PLOT SCALE = 50.0000 "/ in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 4/13/2016		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		1343	13-00043-00-BR	KANE	64	51
SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.	ILLINOIS FED. AID PROJECT	
		TC-13		CONTRACT NO. 61C17		



NOTES:

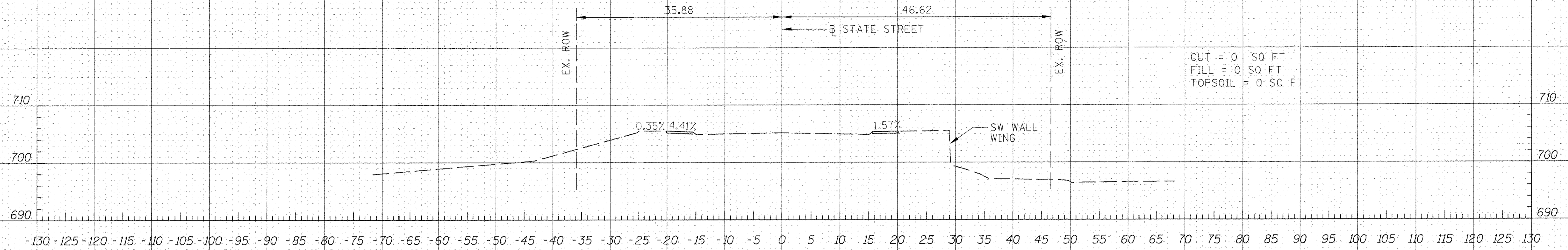
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

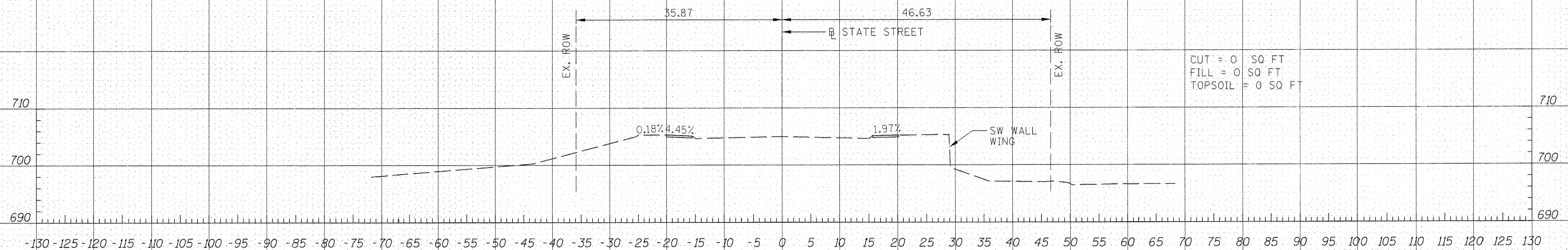
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	PLOT SCALE = 50.000 / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-22 CONTRACT NO. 61C17			
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	



12+75.00



12+70.00

FILE NAME = \$FILEL\$

Michael Baker INTERNATIONAL

USER NAME = #USER#	DESIGNED <i>JBR</i>	REVISED -
	DRAWN <i>AJV</i>	REVISED -
PLOT SCALE = #SCALE#	CHECKED <i>ITY</i>	REVISED -
PLOT DATE = #DATE#	DATE <i>11/14/2016</i>	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
CRITICAL CROSS SECTIONS

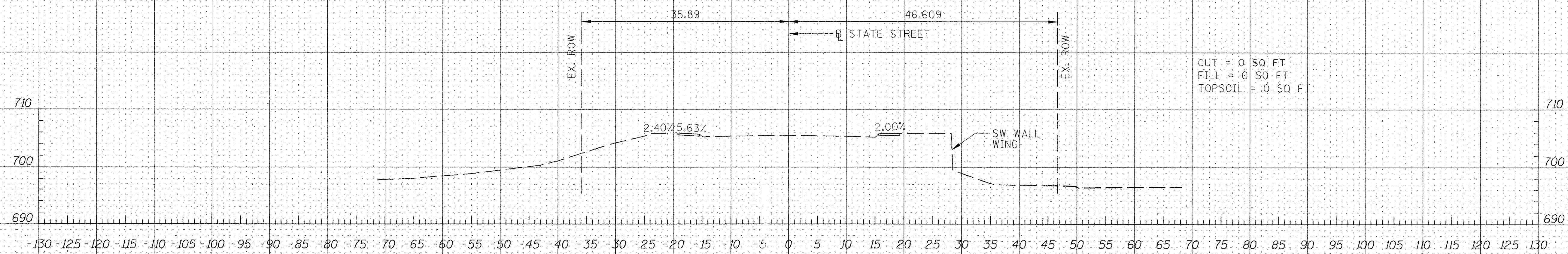
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	53
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT:		

DATE	
BY	
SURVEYED	
PLANNED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

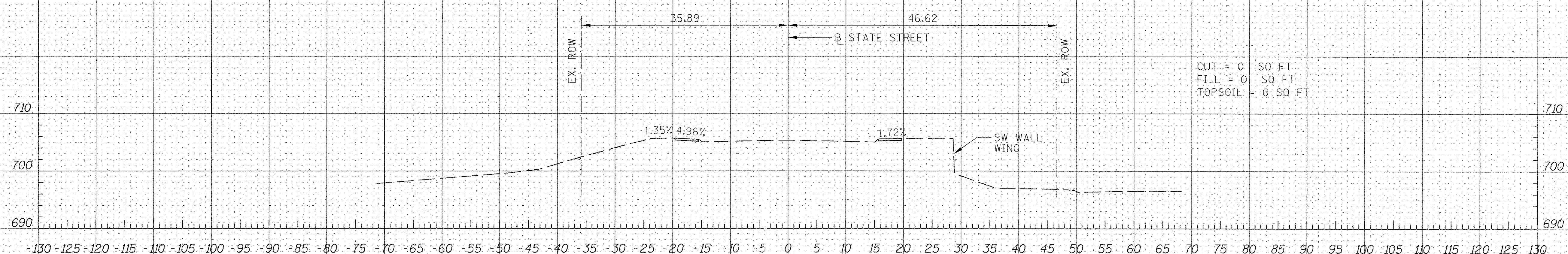
DATE	
BY	
SURVEYED	
PLANNED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

FILE NAME = H:\138117 State St. Bridge Enhancements\3.2 roadwork\3.2.2 CADD Drawings\138117-XS.dgn



CUT = 0 SQ FT
 FILL = 0 SQ FT
 TOPSOIL = 0 SQ FT

12+85.00



CUT = 0 SQ FT
 FILL = 0 SQ FT
 TOPSOIL = 0 SQ FT

12+80.00



USER NAME = Michal.Miczek	DESIGNED JBR	REVISED -
PLLOT SCALE = 10.0000' / 1" =	DRAWN AJV	REVISED -
PLLOT DATE = 11/10/2016	CHECKED ITY	REVISED -
	DATE 11/14/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
 CRITICAL CROSS SECTIONS

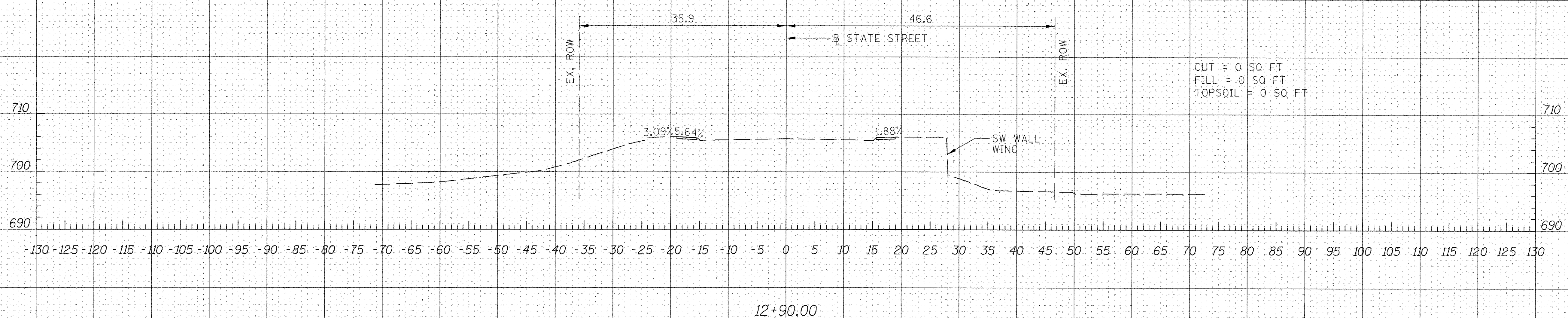
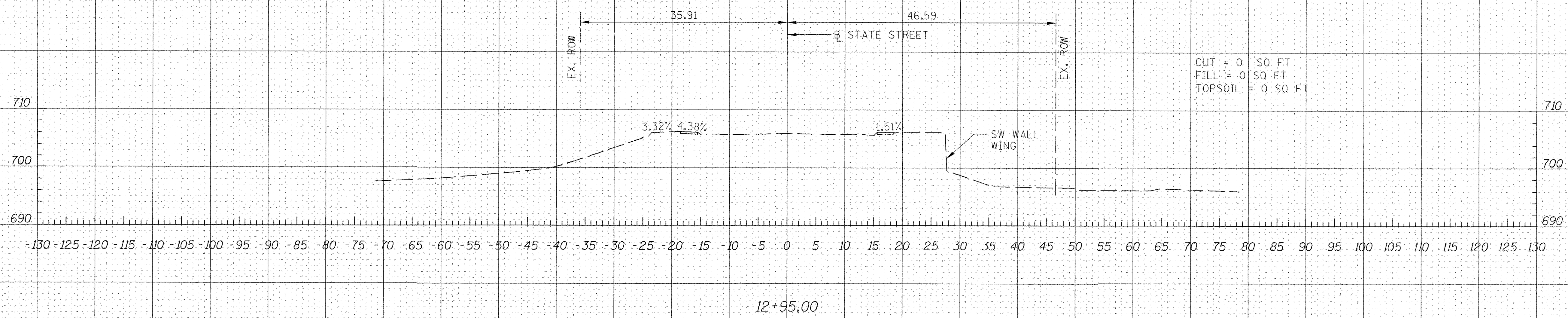
SCALE: 1" = 10' SHEET NO. 2 OF 12 SHEETS STA. 12+80 TO STA. 12+85

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 54
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 [ILLINOIS]		FED. AID PROJECT:		

DATE	
BY	
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PLOTTED	
TEMPLATE	
AREAS	
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DATE	
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PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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FILE NAME = H:\38117 State St Bridge Enhancements\3.0 deliverables\3.2 road\3.2.2 CROD Drawings\38117-XS.dgn



USER NAME =	Michael.Miczek
DESIGNED	JBR
DRAWN	AJV
CHECKED	ITY
DATE	11/14/2016
PLOT SCALE =	10.0000' / in.
PLOT DATE =	11/10/2016

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STATE STREET BRIDGE ENHANCEMENT PROJECT
CRITICAL CROSS SECTIONS**

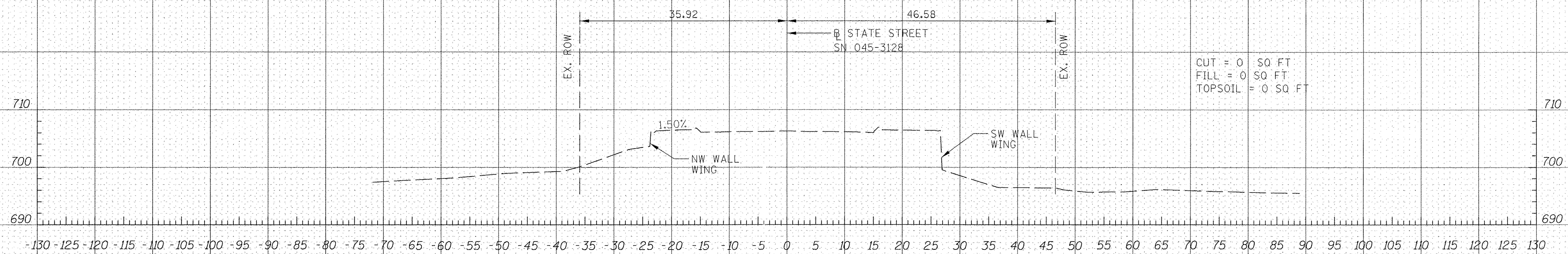
SCALE: 1" = 10' SHEET NO. 3 OF 12 SHEETS STA. 12+90 TO STA. 12+95

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	55
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT:		

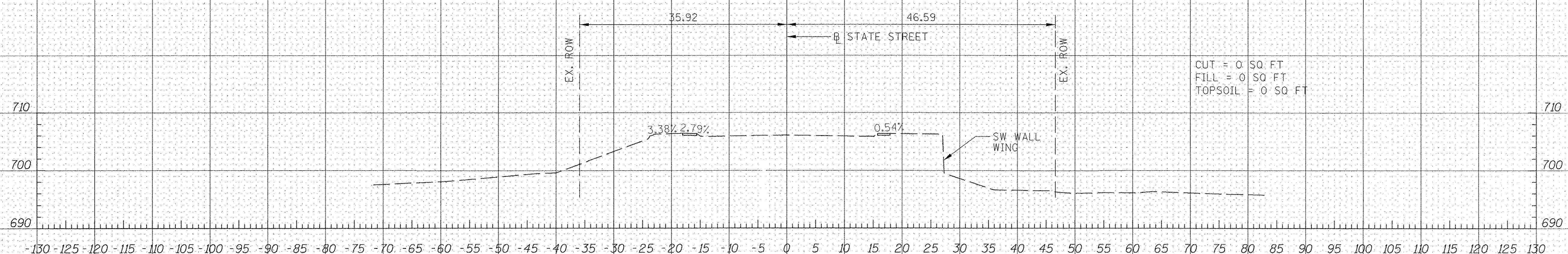
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TEMPLATE	
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AREAS	
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FILE NAME = H:\38117 State St Bridge Enhancements\3.2 Deliverables\3.2 Roadway\3.2.2 CADD Drawing\38117-XS.dgn



13+05.00



13+00.00



USER NAME = Michal.Miczek
 DESIGNED JBR
 DRAWN AJV
 CHECKED ITY
 PLOT DATE = 11/10/2016

DATE 11/14/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
 CRITICAL CROSS SECTIONS

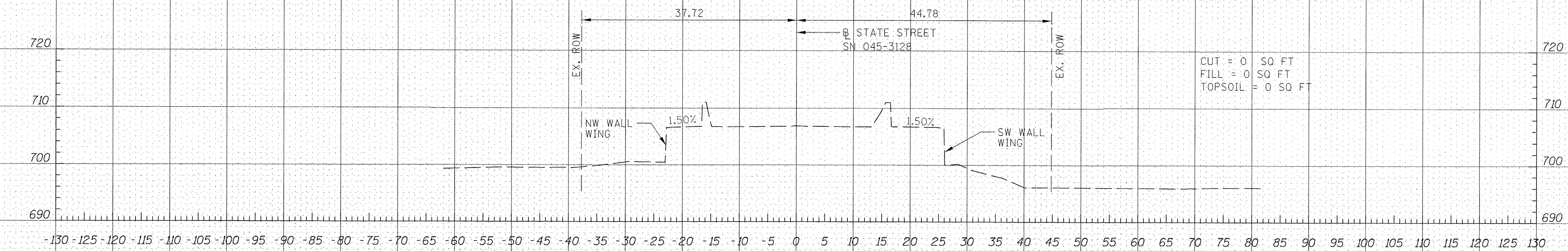
SCALE: 1" = 10' SHEET NO. 4 OF 12 SHEETS STA. 13+00 TO STA. 13+05

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	56
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT:		

DATE	
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SURVEYED	
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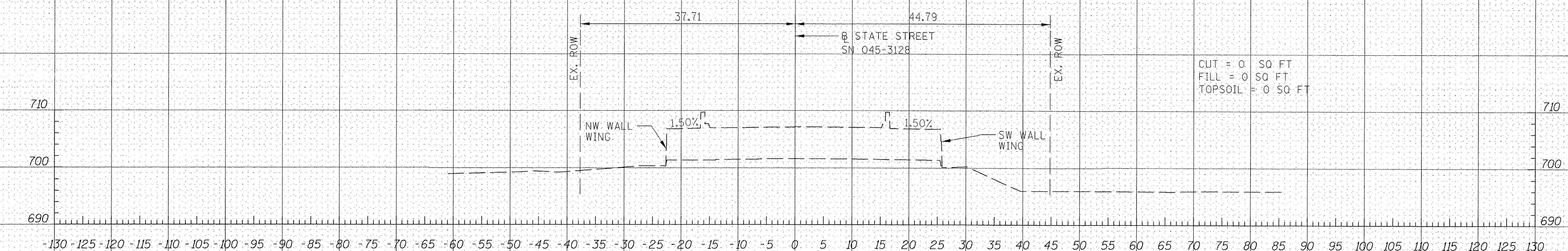
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FILE NAME = H:\138117 State St Bridge Enhancements\3.2 Deliverables\3.2 CAD\Drawings\138117-XS.dgn



CUT = 0 SQ FT
 FILL = 0 SQ FT
 TOPSOIL = 0 SQ FT

16+85.00



CUT = 0 SQ FT
 FILL = 0 SQ FT
 TOPSOIL = 0 SQ FT

16+80.00



USER NAME = Michal.Miczek
 PLOT SCALE = 10,0000 ' / in.
 PLOT DATE = 11/10/2016

DESIGNED JBR
 DRAWN AJV
 CHECKED ITY
 DATE 11/14/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
 CRITICAL CROSS SECTIONS

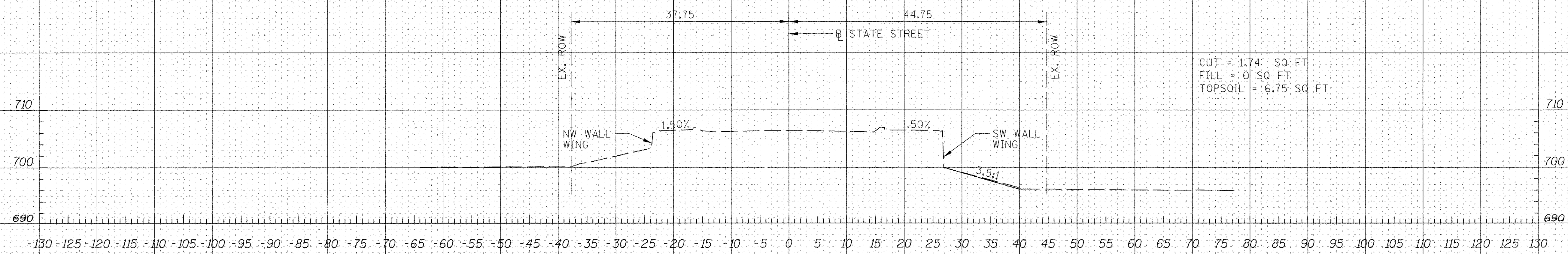
SCALE: 1" = 10' SHEET NO. 5 OF 12 SHEETS STA. 16+80 TO STA. 16+85

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	57
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT:		

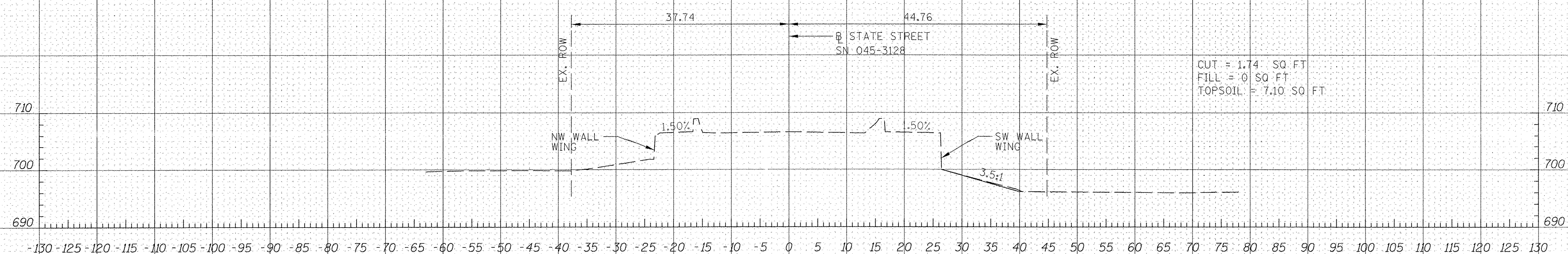
DATE	
BY	
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FIELD	
TEAMS	
AREAS	
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DATE	
BY	
SURVEYED	
PLANNED	
FIELD	
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CHECKED	
NO.	

FILE NAME = H:\138117 State St Bridge Enhancements\3.2 deliverables\3.2 road\en\3.2.CADD Drawings\138117-XS.dgn



16+95.00



16+90.00



USER NAME = Michael.Maczek	DESIGNED JBR	REVISED -
PLLOT SCALE = 10.0000' / 1in.	DRAWN AJV	REVISED -
PLLOT DATE = 11/10/2016	CHECKED ITY	REVISED -
	DATE 11/14/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
CRITICAL CROSS SECTIONS

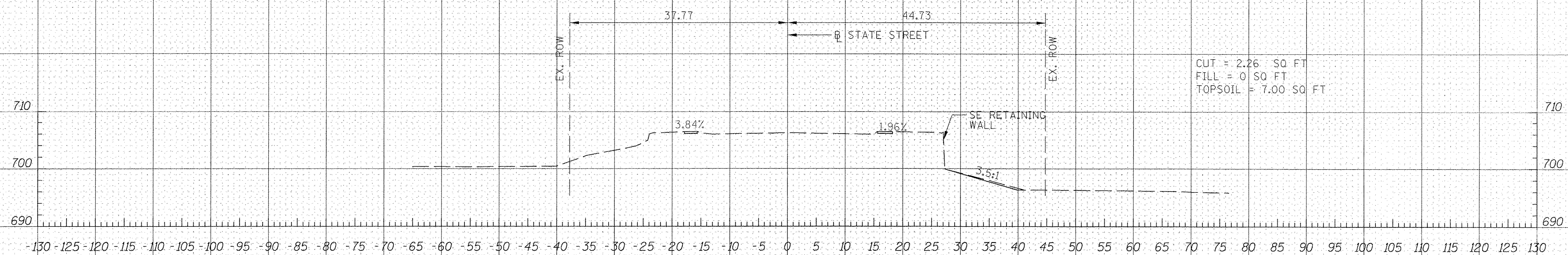
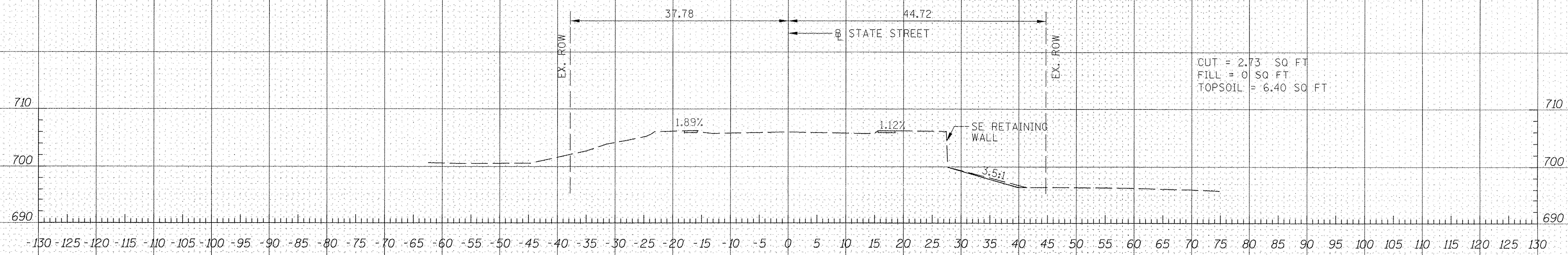
SCALE: 1" = 10' SHEET NO. 6 OF 12 SHEETS STA. 16+90 TO STA. 16+95

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	58
JOB NO. C-91-286-13			CONTRACT NO. 61C17	
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT:	

DATE	
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SURVEYED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
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FILE NAME = H:\18117 State St. Bridge Enhancements\3.2 deliverables\3.2 roadwork\3.2.2 CADD Drawings\18117-AS.dgn



USER NAME =	MischaJ.Miczek	DESIGNED	JBR	REVISED	-
DRAWN	AJV	CHECKED	ITY	DATE	11/14/2016
PLOT SCALE =	10.0000' / 1"				
PLOT DATE =	11/10/2016				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
CRITICAL CROSS SECTIONS

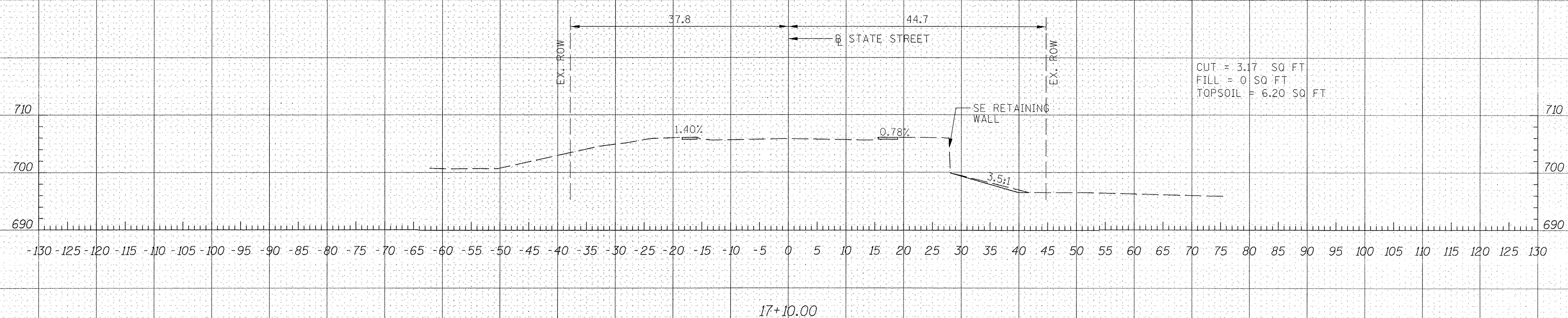
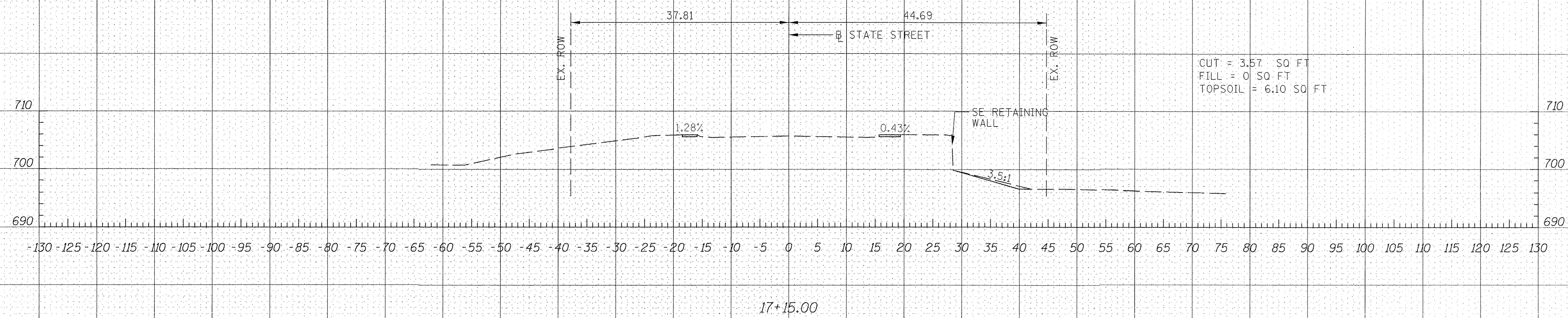
SCALE: 1" = 10' SHEET NO. 7 OF 12 SHEETS STA. 17+00 TO STA. 17+05

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	59
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT:		

DATE	
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TEMPLATE	
AREAS CHECKED	
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DATE	
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SURVEYED	
TEMPLATE	
AREAS CHECKED	
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FILE NAME = H:\138117 State St Bridge Enhancements\3.0 deliverables\3.2 CADD Drawings\138117-XS.dgn



USER NAME =	Michal.Mczech
DESIGNED	JBR
DRAWN	AJV
CHECKED	ITY
DATE	11/14/2016

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
CRITICAL CROSS SECTIONS

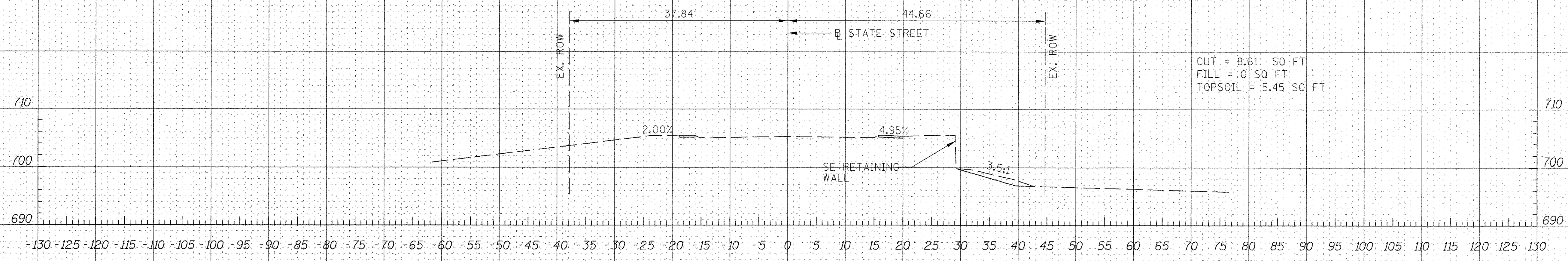
SCALE: 1" = 10' SHEET NO. 8 OF 12 SHEETS STA. 17+10 TO STA. 17+15

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	60
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT:		

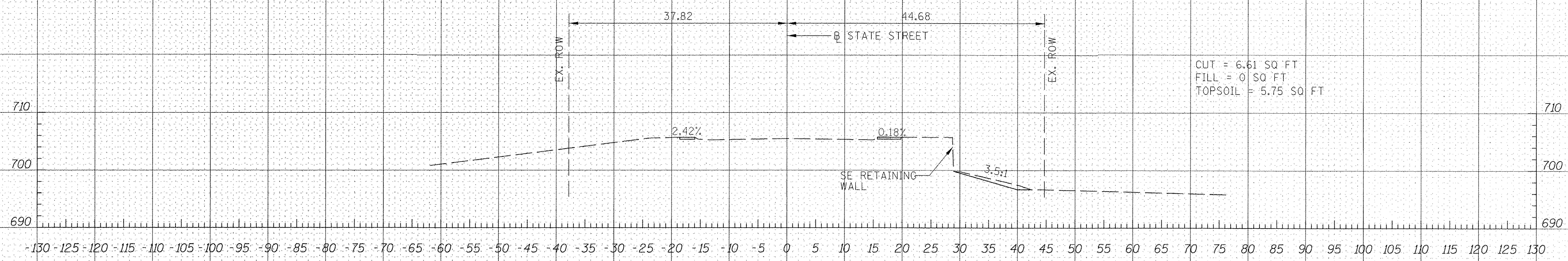
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FILE NAME = H:\18117 State St Bridge Enhancements\3.0 deliverables\3.2 roadwork\3.2.2 CADD Drawings\18117-XS.dgn



17+25.00



17+20.00



USER NAME = Michal.Miczek	DESIGNED <i>JBR</i>	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN <i>AJV</i>	REVISED -
PLOT DATE = 11/10/2016	CHECKED <i>ITY</i>	REVISED -
	DATE <i>11/14/2016</i>	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
CRITICAL CROSS SECTIONS

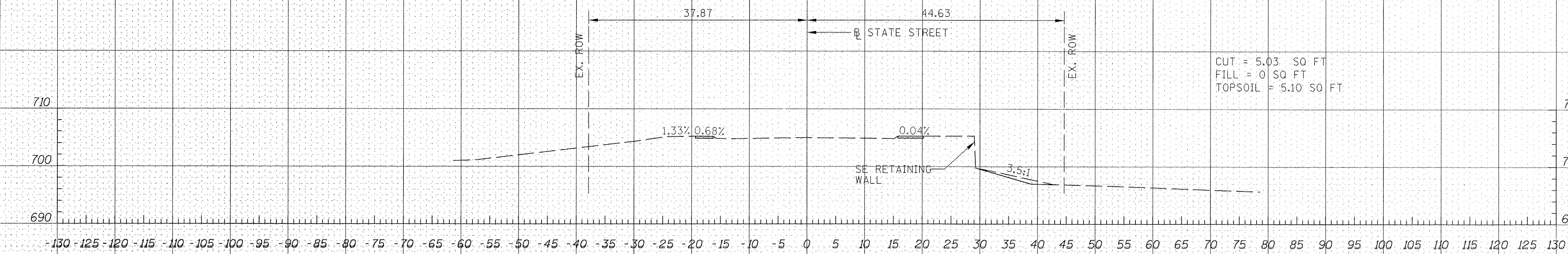
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F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 61
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT:		

DATE	
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SURVEYED	
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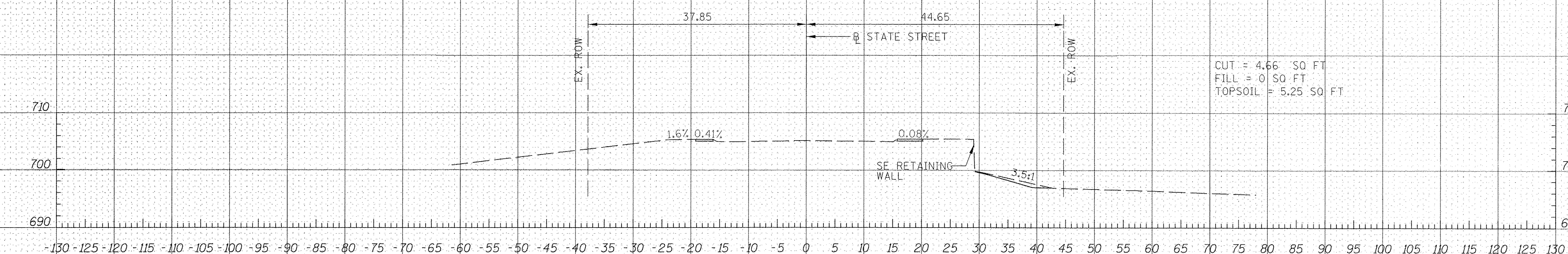
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FILE NAME = H:\13817 State St Bridge Enhancements\3.2 Deliverables\3.2.2 CADD Drawings\13817-XS.dgn



CUT = 5.03 SQ FT
 FILL = 0 SQ FT
 TOPSOIL = 5.10 SQ FT

17+35.00



CUT = 4.66 SQ FT
 FILL = 0 SQ FT
 TOPSOIL = 5.25 SQ FT

17+30.00



USER NAME = Michael.Miczek
 PLOT SCALE = 10.0000' / 1" in.
 PLOT DATE = 11/10/2016

DESIGNED JBR
 DRAWN AJV
 CHECKED ITY
 DATE 11/14/2016

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
 CRITICAL CROSS SECTIONS

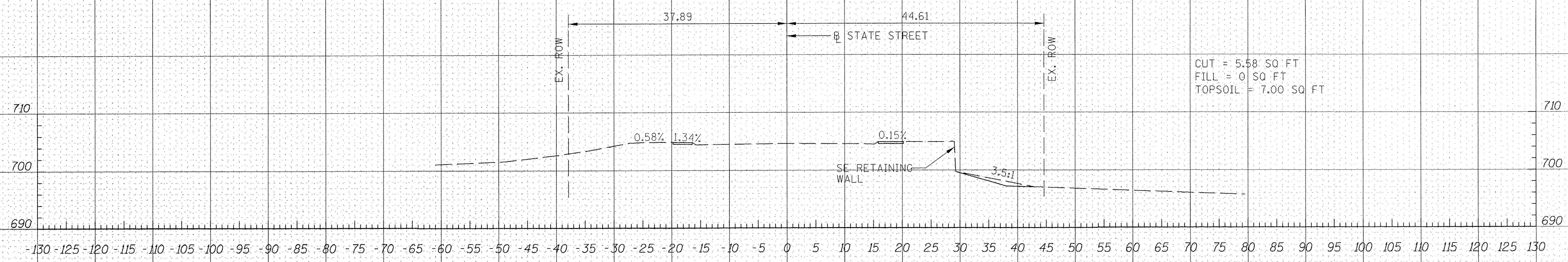
SCALE: 1" = 10' SHEET NO. 10 OF 12 SHEETS STA. 17+30 TO STA. 17+35

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	62
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT:		

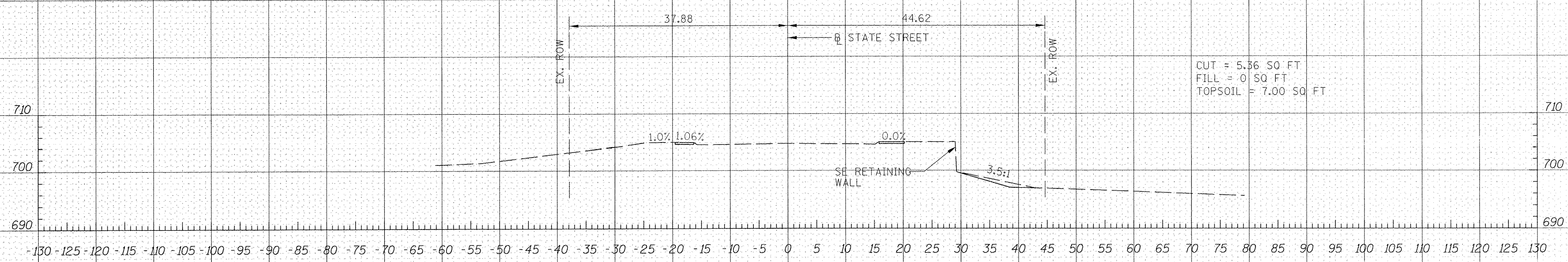
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BY	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

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17+45.00



17+40.00



USER NAME =	Michal, Miczek
DESIGNED	JBR
DRAWN	AJV
CHECKED	ITY
DATE	11/14/2016

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
CRITICAL CROSS SECTIONS

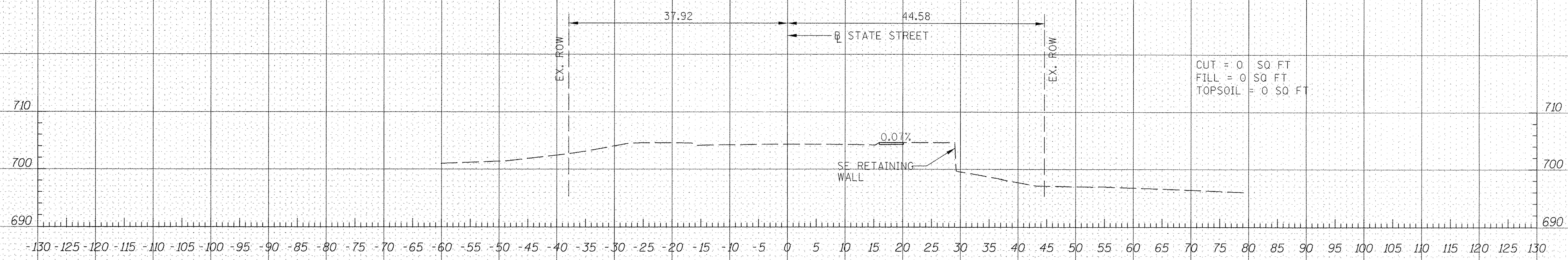
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1343	13-00043-00-BR	KANE	64	63
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
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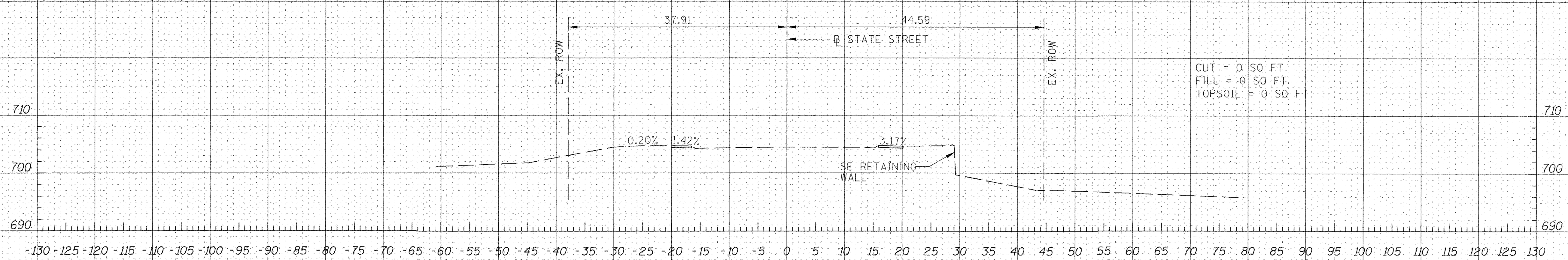
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SURVEYED
PLOTTED
NOTE BOOK
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TEMPLATE
AREAS CHECKED

DATE
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TEMPLATE
AREAS CHECKED

FILE NAME = H:\38117 State St. Bridge Enhancements\3.0 deliverables\3.2 roadwork\3.2.2 CADD Drawings\38117-XS.dgn



17+55.00



17+50.00



USER NAME = Mscha1.Miczek	DESIGNED JBR	REVISED -
	DRAWN AJV	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED ITY	REVISED -
PLOT DATE = 11/18/2016	DATE 11/14/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE STREET BRIDGE ENHANCEMENT PROJECT
CRITICAL CROSS SECTIONS

SCALE: 1" = 10' SHEET NO. 12 OF 12 SHEETS STA. 17+50 TO STA. 17+55

F.A.U. RTE. 1343	SECTION 13-00043-00-BR	COUNTY KANE	TOTAL SHEETS 64	SHEET NO. 64
JOB NO. C-91-286-13		CONTRACT NO. 61C17		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT:		