

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-1-4	ILLINOIS	84	1
CONTRACT NO. 76L56			JERSEY & CALHOUN	

INDEX OF SHEETS

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**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 304 (IL 100)
SECTION 119-1-4
PROJECT FBP-AGKR(021)
BRUSSELS FERRY RAMPS AND PARKING LOTS
JERSEY COUNTY

C-98-251-18

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA

2017 ADT = 900 (ACTUAL)
2019 ADT = 900 (ESTIMATED)
2039 ADT = 1050 (ESTIMATED)
SU = 3.3%
MU = 3.3%

**FUNCTIONAL CLASSIFICATION
MAJOR COLLECTOR**

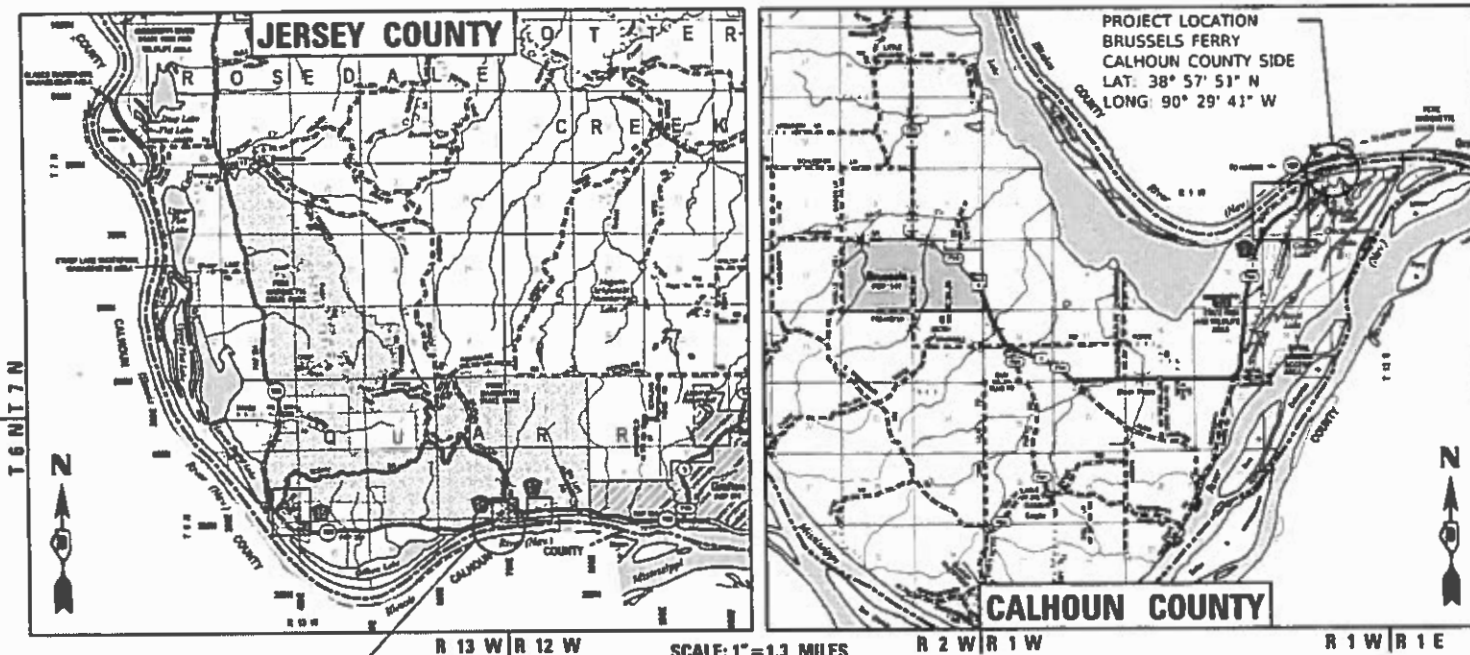


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: TIM PADGETT (618) 346-3325
PROJECT MANAGER: TIM PADGETT (618) 346-3325

CONTRACT NO. 76L56

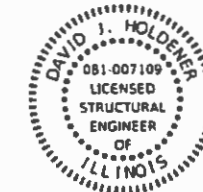


PROJECT LOCATION
BRUSSELS FERRY
JERSEY COUNTY SIDE
LAT: 38° 58' 02" N
LONG: 90° 29' 42" W

JERSEY CO. LENGTH = 195.00 FT. = 0.037 MILE
CALHOUN CO. LENGTH = 293.23 FT. = 0.056 MILE
TOTAL LENGTH = 488.23 FT. = 0.092 MILE



JOSHUA W. STEIN, PE EXPIRATION DATE
LICENSE NO. 062-062775 11-30-2019
SHEETS: 001-028, 034-040, 066-084



DAVID J. HOLDENER, SE EXPIRATION DATE
LICENSE NO. 081-007109 11-30-2020
SHEETS: 041-051



PLANS PREPARED BY:
TWM ENGINEERING GEOSPATIAL SERVICES
4940 Old Collinsville Road
Swansea, Illinois 62226
Tel: 618.624.4488
www.twm-inc.com
ILLINOIS - MISSOURI - TENNESSEE
Illinois Professional Design Firm
No. 184-001220
License Expires: 4/30/2019

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED *Jan 29 2019*
Kyle Roberts
REGIONAL ENGINEER
March 20 2019
EA. ETS
ENGINEER OF DESIGN AND ENVIRONMENT
March 20 2019
Paul P. Chif
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

1. IF ANY SECTION OR SUB-SECTION MONUMENT (I.E. STONE, BRASS PLUG, ALUMINUM DISK, IRON PIPE OR PIN, MAG NAIL, CROSS, ETC.), IS ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENT IS REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE THE MONUMENT IN PLACE UNTIL AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES-SURVEYING" HAS REFERENCED ITS LOCATION.
2. ANY MONUMENT OR PROPERTY CORNER TO BE SET SHALL BE SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR WITH A DEPARTMENT PREQUALIFICATION IN "SPECIAL SERVICES-SURVEYING".
3. ALL ELEVATIONS ARE NAVD 88.
4. THE NORTH (JERSEY CO.) BRUSSELS FERRY RAMPS AND PARKING LOTS ARE LOCATED ON PROPERTY OWNED BY THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES. IDOT HAS RIGHTS TO THE PROPERTY BY AGREEMENT. CONTRACTOR TO STAY WITHIN THE CONSTRUCTION LIMITS AS SHOWN IN THE PLANS.
5. THE SOUTH (CALHOUN CO.) BRUSSELS FERRY RAMP AND APPROACH ROADWAY ARE LOCATED ON PERMANENT EASEMENT (120' CENTERED ON THE CL OF ROADWAY). CONTRACTOR TO STAY WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS.
6. EARTH EXCAVATION AND OTHER REMOVAL ITEMS SHALL NOT BE PLACED ON SITE, BUT SHALL BE DISPOSED OF OFF-SITE, EXCEPT FOR FILL NEEDED AT THE CULVERT EXTENSION AND GRADING AROUND THE PROPOSED SIDEWALK AND TYPE A GUTTER.
7. WATER SURFACE ELEVATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND WILL FLUCTUATE. WATER SURFACE ELEVATIONS SHOULD BE OBSERVED DAILY TO DETERMINE THE IMPACTS TO THE PROJECT.
8. FLOURESCENT ORANGE 'ROAD CONSTRUCTION AHEAD' SIGNS (48"X48") SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS AS DIRECTED BY THE ENGINEER. THESE SIGNS SHALL NOT BE MEASURED FOR PAYMENT. COST SHALL BE INCLUDED IN THE VARIOUS TRAFFIC CONTROL PAY ITEMS.
9. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

 *AMEREN ILLINOIS - GAS & ELECTRIC
 *FRONTIER COMMUNICATIONS - COMMUNICATIONS
 *VILLAGE OF KAMPSVILLE - WATER & SANITARY SEWER

 MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY *
 NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
10. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING OF MATERIALS AND CONSTRUCTION.
11. THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED. BITUMINOUS SURFACE REMOVAL HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF REMOVING HIGH IRREGULARITIES AND TO ESTABLISH CROSS SLOPE.
12. UPON REMOVAL OF THE EXISTING SIGN PANEL ASSEMBLIES AS NOTED IN THE PLANS, THE CONTRACTOR SHALL LEAVE THE REMOVED SIGN PANELS ONLY AT THE BRUSSELS FERRY, AT A LOCATION APPROVED BY THE ENGINEER, FOR THE DISTRICT 8 SIGN SHOP TO PICKUP AT A LATER DATE.
13. THE PAVEMENT RESTORATION SCHEDULE SHOWS ITEMS/QUANTITIES NEEDED TO RESTORE THE EXISTING PAVEMENT DUE TO DISTURBANCES FROM THE PROPOSED LIGHTING WORK AND THE REMOVAL OF THE EXISTING LIGHTING FOUNDATIONS AND THE REMOVAL OF THE EXISTING CABLE ROAD GUARD POSTS.
14. CHANGEABLE MESSAGE SIGNS SHALL BE ERECTED 14 DAYS IN ADVANCE OF THE FERRY CLOSURE AND DURING THE 8-DAY CLOSURE - SEE CHANGEABLE MESSAGE SIGN PLAN.

HIGHWAY STANDARDS

000001	- 07	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
420001	- 09	PAVEMENT JOINTS
420111	- 04	PCC PAVEMENT ROUNDOUTS
421001	- 03	BAR REINFORCEMENT FOR CRC PAVEMENT
421206	- 07	36' CRC PAVEMENT (WITH LUG SYSTEM)
424001	- 11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
542001	- 06	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" TO 36" DIA. SKEWED WITH ROADWAY
606101	- 05	TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
636001	- 02	CABLE ROAD GUARD SINGLE STRAND
701001	- 02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006	- 05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201	- 05	LANE CLOSURE, 2L, 2W, DAY ONLY
701801	- 06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901	- 08	TRAFFIC CONTROL DEVICES
720001	- 01	SIGN PANEL MOUNTING DETAILS
720006	- 04	SIGN PANEL ERECTION DETAILS
728001	- 01	TELESCOPING STEEL SIGN SUPPORT
780001	- 05	TYPICAL PAVEMENT MARKINGS
821101	- 02	LUMINAIRE WIRING IN POLE
830011	- 03	LIGHT POLE STEEL MAST ARM
836001	- 04	LIGHT POLE FOUNDATION
BLR21	- 9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

COMMITMENTS

1. THE RESIDENT ENGINEER WILL NEED TO NOTIFY THE TWO RIVERS NATIONAL WILDLIFE REFUGE OF THE DATES OF CONSTRUCTION ONCE THEY ARE KNOWN. THE INFORMATION IS: JUSTIN SEXTON, REFUGE MANAGER (618) 883-2524.
2. ALL LIGHTING SHALL BE INSTALLED IN ACCORDANCE WITH FISH AND WILDLIFE GUIDE FOR BATS WHICH RECOMMENDS THAT LIGHTING DOES NOT INCREASE THE ILLUMINATION ABOVE AMBIENT CONDITIONS AND THIS INCORPORATES FULL CUT OFF, DOWNWARD FACING LIGHTS DIRECTED AWAY FROM POSTED AREAS.
3. TEMPORARY EXCLUSIONARY FENCING SHALL BE INSTALLED INSIDE THE CONSTRUCTION LIMITS TO KEEP WORKERS AND EQUIPMENT AWAY FROM WETLAND AREAS NOT INTENDED TO BE IMPACTED.
4. NO TREE CLEARING IS ALLOWED BETWEEN APRIL 1ST AND SEPTEMBER 30TH OF ANY YEAR.

MIXTURE REQUIREMENTS

MIXTURE USE	SURFACE	BINDER	SHOULDERS ≥2.25"	SHOULDERS < 2.25"
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=30	4.0% @ Ndes=30
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0	IL 19.0 L	IL 9.5L
FRICION AGG	MIXTURE "D"	MIXTURE "B"		
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA	QC/QA	QC/QA

PLAN QUANTITIES FOR BITUMINOUS CONCRETE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB / SQ YD / INCH

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	2
CONTRACT NO. 76L56				
		ILLINOIS	FED. AID PROJECT	

* JERSEY & CALHOUN

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				CONSTRUCTION CODE	FERRY BOAT FUNDS
				0044	
				RURAL	
				JERSEY COUNTY	
20101000	TEMPORARY FENCE	FOOT	606		606
20200100	EARTH EXCAVATION	CU YD	1080		1080
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	140		140
20300100	CHANNEL EXCAVATION	CU YD	5200		5200
20800150	TRENCH BACKFILL	CU YD	116		116
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	20		20
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	20		20
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	20		20
25100115	MULCH, METHOD 2	ACRE	0.25		0.25
25100900	TURF REINFORCEMENT MAT	SQ YD	164		164
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	30		30
28000305	TEMPORARY DITCH CHECKS	FOOT	48		48
28000400	PERIMETER EROSION BARRIER	FOOT	407		407
28100107	STONE RIPRAP, CLASS A4	SQ YD	136		136

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET 1	OF 7	SHEETS	STA.	TO STA.
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SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76L56	

REV. - MS

* JERSEY & CALHOUN

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				CONSTRUCTION CODE	FERRY BOAT FUNDS
				0044	
				RURAL	
				JERSEY COUNTY	
28200200	FILTER FABRIC	SQ YD	136		136
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	2041		2041
31100700	SUBBASE GRANULAR MATERIAL, TYPE A 8"	SQ YD	643		643
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	35		35
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1176		1176
40603085	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70	TON	279		279
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1027		1027
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	4078		4078
42100615	PAVEMENT REINFORCEMENT	SQ YD	1858		1858
42101300	PROTECTIVE COAT	SQ YD	2285		2285
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	22		22
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	460		460
44000100	PAVEMENT REMOVAL	SQ YD	2255		2255
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	8543		8543

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	4
CONTRACT NO. 76L56			ILLINOIS FED. AID PROJECT	

* JERSEY & CALHOUN

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				CONSTRUCTION CODE	
				FERRY BOAT FUNDS	
				0044	
RURAL					
JERSEY COUNTY					
44000600	SIDEWALK REMOVAL	SQ FT	462	462	
44004000	PAVED DITCH REMOVAL	FOOT	62	62	
48100100	AGGREGATE SHOULDERS, TYPE A	TON	11	11	
48203045	HOT-MIX ASPHALT SHOULDERS, 12"	SQ YD	160	160	
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1	
50105220	PIPE CULVERT REMOVAL	FOOT	19	19	
50200100	STRUCTURE EXCAVATION	CU YD	104	104	
50300225	CONCRETE STRUCTURES	CU YD	56.6	56.6	
50500505	STUD SHEAR CONNECTORS	EACH	112	112	
50800105	REINFORCEMENT BARS	POUND	62	62	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	80450	80450	
50901760	PIPE HANDRAIL	FOOT	21	21	
51201610	FURNISHING STEEL PILES HP12X63	FOOT	455	455	
51202305	DRIVING PILES	FOOT	455	455	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	5
CONTRACT NO. 76L56			ILLINOIS FED. AID PROJECT	

* JERSEY & CALHOUN

80% FED
20% STATE

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				FERRY BOAT FUNDS	JERSEY COUNTY
51203610	TEST PILE STEEL HP12X63	EACH	2		2
51204650	PILE SHOES	EACH	16		16
54248510	CONCRETE COLLAR	CU YD	1.4		1.4
54261254	CONCRETE END SECTION, STANDARD 542001, 54", 1:2	EACH	1		1
542A1099	PIPE CULVERTS, CLASS A, TYPE 2 54"	FOOT	17		17
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	4.7		4.7
60602500	CONCRETE GUTTER, TYPE A	FOOT	127		127
63200400	CABLE ROAD GUARD REMOVAL	FOOT	1595		1595
67100100	MOBILIZATION	L SUM	1		1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1
XX009289	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1		1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	720		720
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	110		110

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76L56	

REV. - MS

* JERSEY & CALHOUN

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				CONSTRUCTION CODE	
				FERRY BOAT FUNDS	
				0044	
				RURAL	
				JERSEY COUNTY	
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	1120	1120	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	2	2	
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2	
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	55	55	
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	137	137	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	98	98	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3715	3715	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	104	104	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	552	552	
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	20	20	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	274	274	
* 78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	405	405	
* 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	42	42	
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	761	761	

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	7
CONTRACT NO. 76L56			ILLINOIS FED. AID PROJECT	

* JERSEY & CALHOUN

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				CONSTRUCTION CODE	FERRY BOAT FUNDS
				0044	
				RURAL	
				JERSEY COUNTY	
* 81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	1087		1087
* 81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	565		565
* 81603063	UNIT DUCT, 600V, 4-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	560		560
* 82110008	LUMINAIRE, LED, ROADWAY, H	EACH	14		14
* 83060400	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 4 FT. MAST ARM	EACH	1		1
* 83060440	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 12 FT. MAST ARM	EACH	3		3
	84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	7	7
	84200804	REMOVAL OF POLE FOUNDATION	EACH	7	7
	84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1	1
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
* Z0054406	ROCK FILL - FOUNDATION	CU YD	112		112
	Z0062456	TEMPORARY PAVEMENT	SQ YD	195	195
	K1005421	SEEDING (SPECIAL)	ACRE	0.25	0.25
	X0327108	RELOCATE FERRY DOCKS	EACH	3	3

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	8
CONTRACT NO. 76L56			ILLINOIS FED. AID PROJECT	

* JERSEY & CALHOUN

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
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				FERRY BOAT FUNDS	
				0044	
RURAL					
JERSEY COUNTY					
X5012502	CONCRETE REMOVAL (SPECIAL)	CU YD	68	68	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	373	373	
X0200007	CONTINUOUSLY REINFORCED HIGH-EARLY- STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 12"	SQ YD	1858	1858	
X0900083	PERMANENT STEEL SHEET PILING, SPECIAL	SQ FT	11534	11534	
X0900084	CONCRETE SUPERSTRUCTURE (APPROACH SLAB), SPECIAL	CU YD	192.6	192.6	
* X2300020	CABLE ROAD GUARD, SINGLE STRAND (SPECIAL)	FOOT	1537	1537	
* 82500430	LIGHTING CONTROLLER, WALL MOUNTED, 240V, 100 AMP	EACH	1	1	
* 83060441	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 12 FT. MAST ARM - TWIN	EACH	4	4	
* 83060442	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 12 FT. AND 4 FT. MAST ARM - TWIN	EACH	1	1	
* 83600358	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 8'	EACH	9	9	
Ø Z0076600	TRAINEES	HOUR	1000	1000	
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1000	1000	

* SPECIALTY ITEM Ø 0042

REV. - MS

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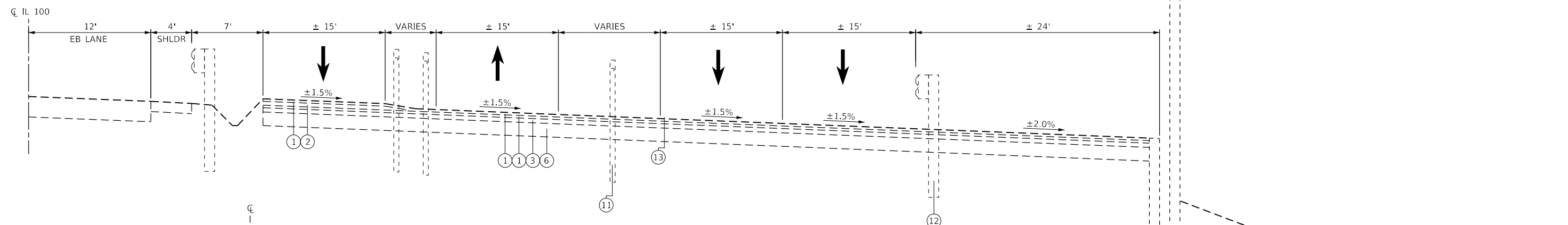
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

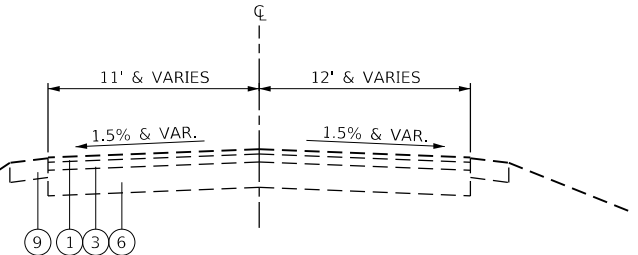
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	9
CONTRACT NO. 76L56			ILLINOIS FED. AID PROJECT	

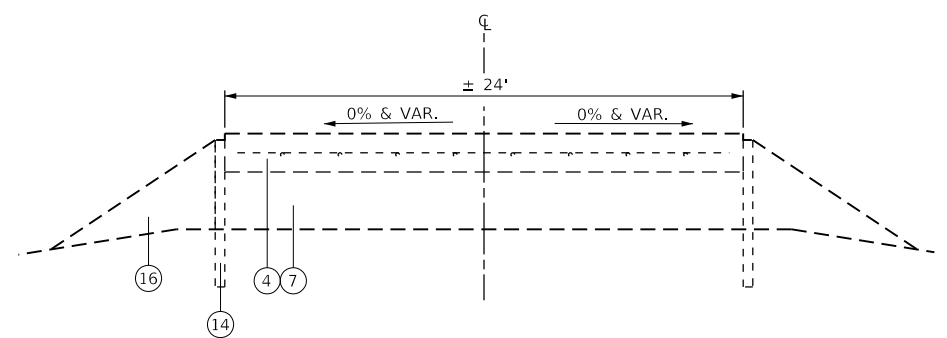
* JERSEY & CALHOUN



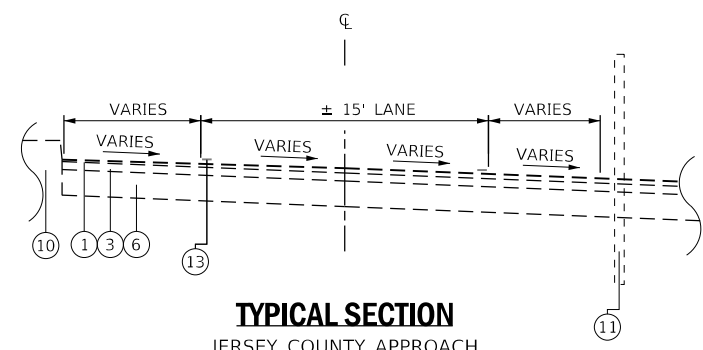
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SERPENTINE STAGING AREA
(LOOKING EAST)



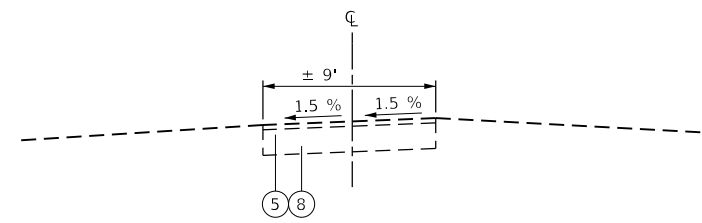
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CALHOUN COUNTY APPROACH
STA. 0+35.00 TO STA. 1+79.00 (ALIGN-3)



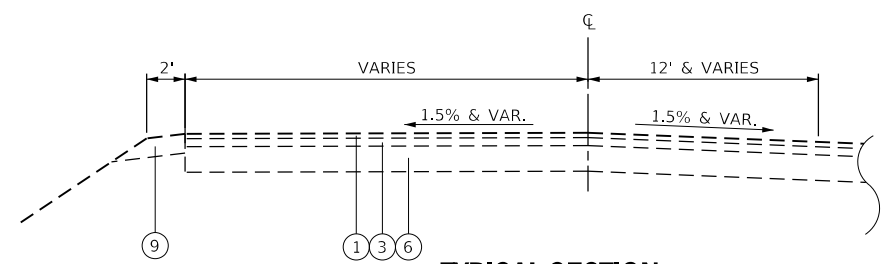
TYPICAL SECTION
RAMP APPROACH
STA. 1+79.00 TO STA. 2+30.00 (CALHOUN CO. - ALIGN 3)
STA. 2+23.00 TO STA. 2+83.00 (JERSEY CO. - ALIGN 1)
STA. 9+83.00 TO STA. 10+43.00 (JERSEY CO. - ALIGN 2)



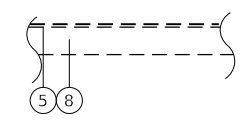
TYPICAL SECTION
JERSEY COUNTY APPROACH
STA. 4+10.00 TO STA. 5+16.23 (ALIGN - 1)



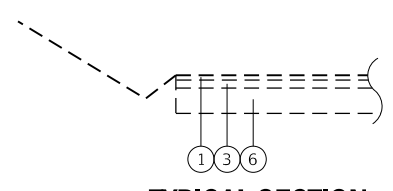
TYPICAL SECTION
ACCESS ROAD
STA. 10+02.94 TO STA. 11+05.88 (ALIGN - 4)



TYPICAL SECTION
JERSEY COUNTY APPROACH
STA. 2+83.00 TO STA. 4+10.00 (ALIGN - 1)



TYPICAL SECTION
UPPER PARKING LOT



TYPICAL SECTION
LOWER PARKING LOT

LEGEND

- ① EX. SURFACE COURSE, 1 1/2"
- ② EX. BINDER COURSE, 2 1/4"
- ③ EX. BINDER COURSE, 2 1/2"
- ④ EX. REINFORCED CONCRETE PAVEMENT, 12"
- ⑤ EX. BITUMINOUS SURFACE TREATMENT
- ⑥ EX. AGGREGATE BASE COURSE, 8"
- ⑦ EX. AGGREGATE BASE COURSE, 12"
- ⑧ EX. AGGREGATE BASE (DEPTH UNKNOWN)
- ⑨ EX. AGGREGATE SHOULDER, 6"
- ⑩ EX. MEDIAN
- ⑪ EX. CABLE ROAD GUARD (SEE GENERAL NOTE 13)
- ⑫ EX. STEEL PLATE BEAM GUARDRAIL
- ⑬ EX. PAVEMENT MARKING
- ⑭ EX. SHEETPILE RETAINING WALL
- ⑮ EX. SOLDIER PILE MORING
- ⑯ EX. STONE RIPRAP
- ⑰ PR. EARTH EXCAVATION
- ⑱ PR. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑲ PR. HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- ⑳ PR. HOT-MIX ASPHALT SURFACE COURSE, 2"
- ㉑ PR. HOT-MIX ASPHALT SURFACE COURSE, VAR. DEPTH
- ㉒ PR. HOT-MIX ASPHALT BINDER COURSE, 6"
- ㉓ PR. BITUMNIOUS MATERIALS (TACK COAT)
- ㉔ PR. BITUMNIOUS MATERIALS (PRIME COAT)
- ㉕ PR. CONTINUOUSLY REINFORCED HES PCC PAVEMENT, 12"
- ㉖ PR. SUBBASE GRANULAR MATERIAL, TYPE A, 4"
- ㉗ PR. SUBBASE GRANULAR MATERIAL, TYPE A, 8"
- ㉘ PR. HOT-MIX ASPHALT SHOULDERS, 12"
- ㉙ PR. CONCRETE GUTTER, TYPE A
- ㉚ PR. CABLE ROAD GUARD
- ㉛ PR. PAVEMENT MARKING
- ㉜ PR. DREDGING (SEE DETAIL SHEET)
- ㉝ PR. SHEETPILE RETAINING WALL (SEE DETAIL SHEET)
- ㉞ RESERVED
- ㉟ PR. STRUCTURAL SLAB (SEE STRUCTURAL DETAILS)



NOTES:

1. SEE CROSS SECTIONS FOR VARIABLE CROSS SLOPES

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	DATE -	REVISED -

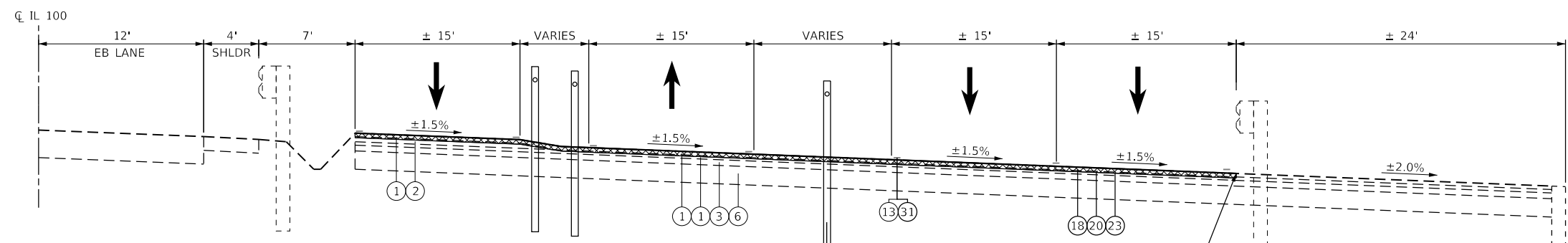
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS

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

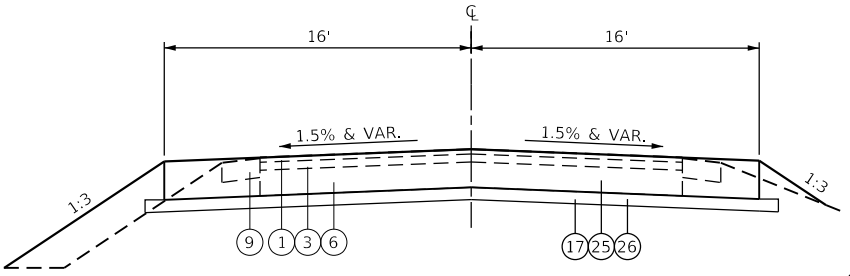
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	10
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

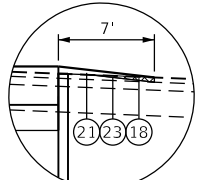


TYPICAL SECTION
SERPENTINE STAGING AREA
(LOOKING EAST)

CONTRACTOR TO MILL/RESURFACE AS CLOSE TO EXISTING GUARDRAIL WITHOUT DAMAGING OR REMOVING EXISTING GUARDRAIL ELEMENTS.

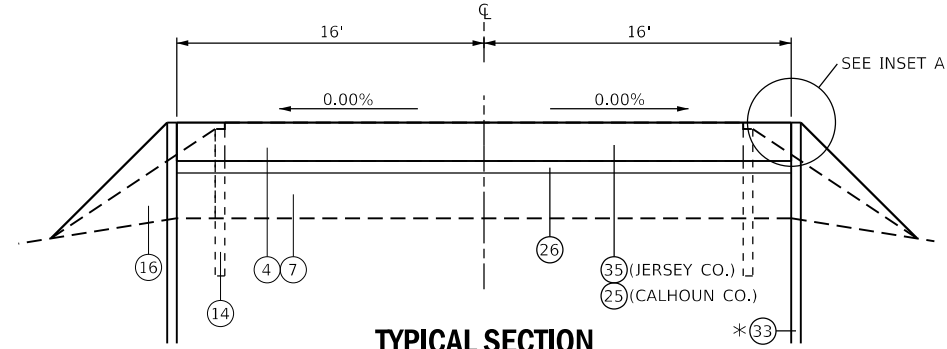


TYPICAL SECTION
CALHOUN COUNTY APPROACH
STA. 0+35.00 TO STA. 1+79.00 (ALIGN-3)



INSET A

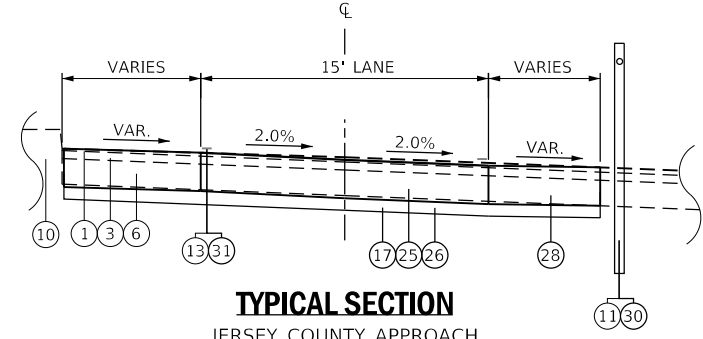
RT STA. 1+22.00 TO STA. 2+24.14



TYPICAL SECTION

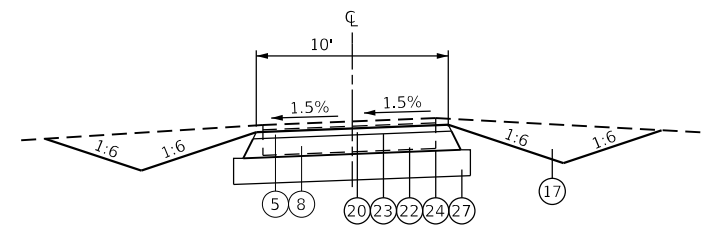
RAMP APPROACH
STA. 1+79.00 TO STA. 2+30.00 (CALHOUN CO. - ALIGN 3)
STA. 2+23.00 TO STA. 2+83.00 (JERSEY CO. - ALIGN 1)
STA. 9+83.00 TO STA. 10+43.00 (JERSEY CO. - ALIGN 2)

* SHEETPILE WALL
STA. 1+79.00 TO STA. 2+30.00 (CALHOUN-3)
STA. 2+23.00 TO STA. 2+65.00 (JERSEY-1)
STA. 9+83.00 TO STA. 10+16.00 (JERSEY-2)



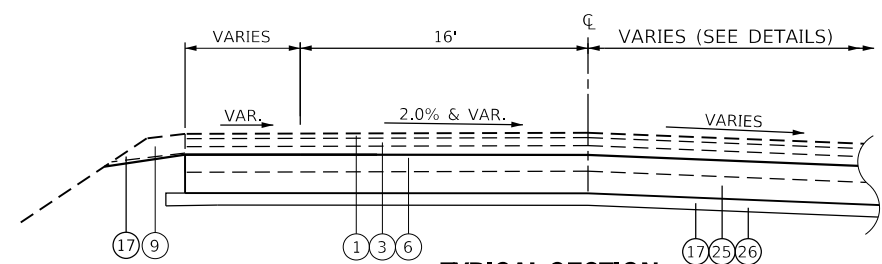
TYPICAL SECTION

JERSEY COUNTY APPROACH
STA. 4+10.00 TO STA. 5+16.23 (ALIGN - 1)



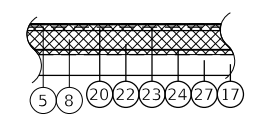
TYPICAL SECTION

ACCESS ROAD
STA. 10+02.94 TO STA. 11+05.88 (ALIGN - 4)



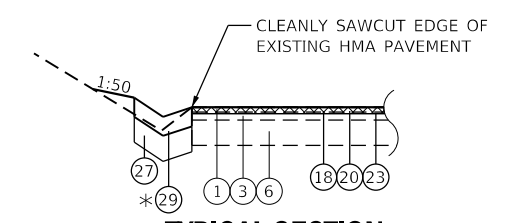
TYPICAL SECTION

JERSEY COUNTY APPROACH
STA. 2+83.00 TO STA. 4+10.00 (ALIGN - 1)



TYPICAL SECTION

UPPER PARKING LOT



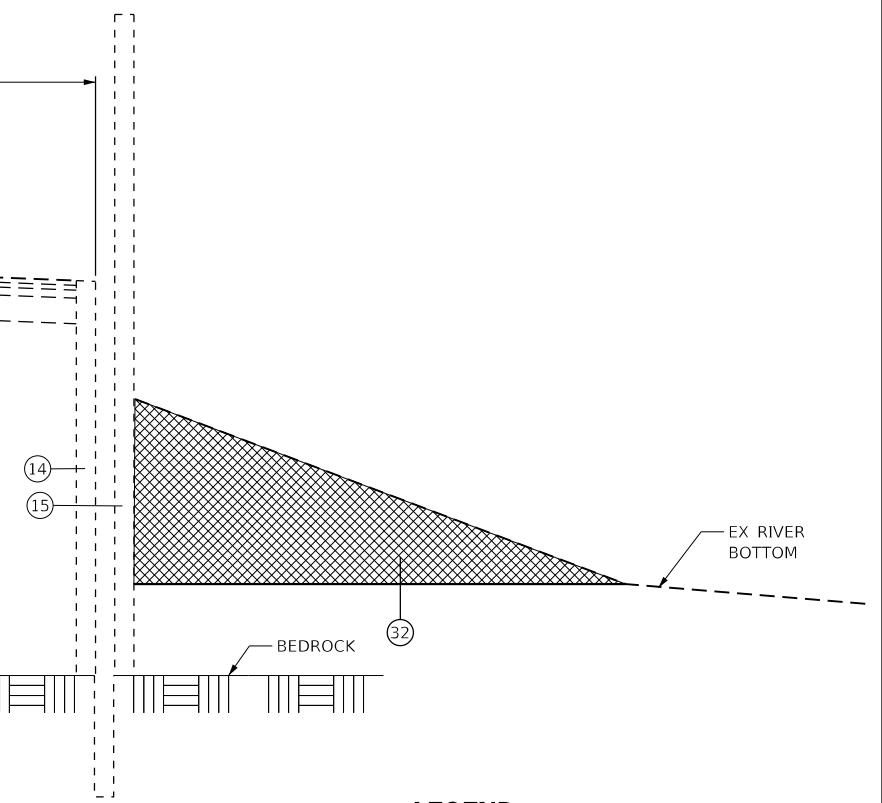
TYPICAL SECTION

LOWER PARKING LOT

* SEE STANDARD 606101 AND PLANS FOR DETAILS AT SIDEWALK RAMP AND ENTRANCE APRON

NOTES:

1. SEE CROSS SECTIONS FOR VARIABLE CROSS SLOPES



LEGEND

- ① EX. SURFACE COURSE, 1 1/2"
- ② EX. BINDER COURSE, 2 1/4"
- ③ EX. BINDER COURSE, 2 1/2"
- ④ EX. REINFORCED CONCRETE PAVEMENT, 12"
- ⑤ EX. BITUMINOUS SURFACE TREATMENT
- ⑥ EX. AGGREGATE BASE COURSE, 8"
- ⑦ EX. AGGREGATE BASE COURSE, 12"
- ⑧ EX. AGGREGATE (DEPTH UNKNOWN)
- ⑨ EX. AGGREGATE SHOULDER, 6"
- ⑩ EX. MEDIAN
- ⑪ EX. CABLE ROAD GUARD (SEE GENERAL NOTE 13)
- ⑫ EX. STEEL PLATE BEAM GUARDRAIL
- ⑬ EX. PAVEMENT MARKING
- ⑭ EX. SHEETPILE RETAINING WALL
- ⑮ EX. SOLDIER PILE MORING
- ⑯ EX. STONE RIPRAP
- ⑰ PR. EARTH EXCAVATION
- ⑱ PR. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
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- ⑳ PR. HOT-MIX ASPHALT SURFACE COURSE, 2"
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- ㉓ PR. BITUMINOUS MATERIALS (TACK COAT)
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- ㉕ PR. CONTINUOUSLY REINFORCED HES PCC PAVEMENT, 12"
- ㉖ PR. SUBBASE GRANULAR MATERIAL, TYPE A, 4"
- ㉗ PR. SUBBASE GRANULAR MATERIAL, TYPE A, 8"
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- ㉙ PR. CONCRETE GUTTER, TYPE A
- ㉚ PR. CABLE ROAD GUARD
- ㉛ PR. PAVEMENT MARKING
- ㉜ PR. DREDGING (SEE DETAIL SHEET)
- ㉝ PR. SHEETPILE RETAINING WALL (SEE DETAIL SHEET)
- ㉞ RESERVED
- ㉟ PR. STRUCTURAL SLAB (SEE STRUCTURAL DETAILS)

REMOVAL

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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	11
CONTRACT NO. 76L56				

* JERSEY & CALHOUN

EARTHWORK SCHEDULE										
LOCATION					REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	ROCK FILL - FOUNDATION	EARTH EXCAVATION	FOR INFORMATION ONLY		
								EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	BALANCE WASTE (+) SHORTAGE (-)
LOCATION	STA.	TO	STA.	NOTES	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
ALIGNMENT 3	0+00.00	TO	2+30.00	S. APPROACH	140	94	207	155	78	77
ALIGNMENT 1	2+23.00	TO	5+16.23	N. APPROACH 1			483	362	1	361
ALIGNMENT 2	9+83.00	TO	10+56.40	N. APPROACH 2		18	77	58	0	58
ALIGNMENT 4	10+13.29	TO	11+05.88	ACCESS ROAD			95	71	101	-30
UPPER LOT	SOUTHWEST		CORNER	ADD. FOR CULV EXT.			0	0	30	-30
UPPER LOT	EXISTING		AREA	FOR NEW PVT			186	140	0	140
SERPENTINE				75' AT SE STOP BAR			31	23	0	23
SIDEWALK	AT KIOSK		FOR PR GRADES	SEE NOTE			1	1	2	-1
LOWER LOT	AT GUTTER		BACK SLOPE	SEE NOTE			0	0	3	-3
TOTAL:					140	112	1080	810	215	595
PAY TOTAL:					140	112	1080			

NOTE: EMBANKMENT USED SHALL BE OBTAINED FROM VARIOUS EARTH EXCAVATION ON THE PROJECT AND SHALL BE FREE OF AGGREGATE AND SUITABLE FOR VEGETATION GROWTH

REMOVALS SCHEDULE									
LOCATION				PAVEMENT REMOVAL	PIPE CULVERT REMOVAL	PAVED DITCH REMOVAL	CONCRETE HEADWALL REMOVAL	CONCRETE REMOVAL (SPECIAL)	REMOVE SIGN PANEL ASSEMBLY - TYPE A
STA.	TO	STA.	NOTES	SQ YD	FOOT	FOOT	EACH	CU YD	EACH
ALIGNMENT 3 (SOUTH APPROACH)									
0+35.00	TO	2+27.00		601.0				4.0	
SUB TOTAL:				601.0	0.0	0.0	0.0	4.0	0.0
ALIGNMENT 1 AND ALIGNMENT 2 (NORTH APPROACH)									
2+26.00	TO	5+16.23	INCL. BEHIND STOP BARS	1652.0				64	
SUB TOTAL:				1652.0	0.0	0.0	0.0	64.0	0.0
PARKING LOTS									
LOWER		W EOP	AT SIDEWALK	2.0	5.0				
LOWER		W EOP	AT ACCESS RD		13.0				
LOWER		W EOP	S OF SIDEWALK			62.0			
UPPER		ADA	PARKING STALL						2.0
UPPER			AT CULVERT EXT.		1.0		1.0		
SUB TOTAL:				2.0	19.0	62.0	1.0	0.0	2.0
TOTAL:				2255	19	62	1	68	2

SEE OTHER SCHEDULES FOR OTHER REMOVAL ITEMS

DREDGING SCHEDULE			
LOCATION			CHANNEL EXCAVATION
ILLINOIS RIVER - NORTH SHORE			CU YD
SECTION	A-A	WEST OF EX. SEA WALL	2950
SECTION	B-B	AT EX. SEA WALL	1100
SECTION	A-A	EAST OF EX. SEA WALL	1150
TOTAL:			5200

SHEET PILING SCHEDULE			
LOCATION	PERMANENT STEEL SHEET PILING, SPECIAL	* TRIM SHEET PILING	NOTES
	SQ FT	FOOT	
ALIGN 3	4904	135	PR
		80	EX
ALIGN 1	4096	117	PR
ALIGN 2	2534	99	PR
TOTAL:	11534	431	

SEE STRUCTURAL SHEETS FOR DETAILS

* COST OF TRIMMING EXISTING AND PROPOSED SHEET PILING INCLUDED IN THE COST OF PERMANENT STEEL SHEET PILING, SPECIAL.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	12
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

SEEDING SCHEDULE										
LOCATION					SEEDING (SPECIAL)	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING
STA.	TO	STA.	LT/RT	NOTES	ACRE	POUND	POUND	POUND	ACRE	POUND
ALIGNMENT 3 (SOUTH APPROACH)										
0+05.00	TO	2+30.00	LT	CLASS 2A	0.035	3.2	3.2	3.2	0.035	7.0
0+05.00	TO	1+22.00	RT	CLASS 2A	0.005	0.5	0.5	0.5	0.005	1.0
SUB TOTAL :					0.040	3.7	3.7	3.7	0.040	8.0
ALIGNMENT 4 (ACCESS ROAD)										
10+02.72	TO	11+05.88	LT	CLASS 2A	0.062	5.6	5.6	5.6	0.062	12.4
10+02.72	TO	11+05.88	RT	CLASS 2A	0.024	2.2	2.2	2.2	0.024	4.8
SUB TOTAL :					0.086	7.8	7.8	7.8	0.086	17.2
PARKING LOTS										
SIDEWALK				CLASS 1A	0.042	3.8	3.8	3.8	0.042	8.4
GRASS MEDIAN				CLASS 1A	0.004	0.4	0.4	0.4	0.004	0.8
SUB TOTAL :					0.046	4.2	4.2	4.2	0.046	9.2
TOTAL :					0.172	15.7	15.7	15.7	0.172	34.4
PAY TOTAL :					0.25	20	20	20	0.25	30

EROSION CONTROL ITEMS SCHEDULE						
LOCATION				PERIMETER EROSION BARRIER	TEMPORARY DITCH CHECKS	TURF REINFORCEMENT MAT
STA.	TO	STA.	NOTES	FOOT	FOOT	SQ YD
ALIGNMENT 3 (SOUTH APPROACH)						
0+05.00	TO	1+07.24	LT	118.0		
0+05.00	TO	1+26.31	RT	123.0		
1+30.92	TO	2+07.25	LT	89.0		
SUB TOTAL :				330.0	0.0	0.0
ALIGNMENT 4 (ACCESS ROAD)						
10+11.45	TO	10+59.70	LT		12.0	64.3
10+10.12	TO	10+84.82	RT		12.0	99.6
10+60.00	TO	UP LOT	LT	77.0		
10+64.00	TO	10+64.00	AT CULVERT EXT.		12.0	
SUB TOTAL :				77.0	36.0	163.9
PARKING LOTS						
LOWER		AT	GUTTER OUTLET		12.0	
SUB TOTAL :				0.0	12.0	0.0
TOTAL :				407	48	164

CULVERTS SCHEDULE							
LOCATION				PIPE CUVLERTS, CLASS A, TYPE 2, 54"	CONCRETE END SECTION, STANDARD 542001, 54", 1:2	CONCRETE COLLAR	REINFORCEMENT BARS
STA.	TO	STA.	NOTES	FOOT	EACH	CU YD	POUND
PARKING LOTS							
UPPER			AT CULVERT EXT.	17.0	1.0	1.4	62.0
SUB TOTAL :				17.0	1.0	1.4	62.0
TOTAL :				17	1	1.4	62

EXCLUSIONARY FENCE SCHEDULE			
POINT NUMBER	NORTHING	EASTING	TEMPORARY FENCE FOOT
WL1	24733.53	41800.62	192
WL2	24670.96	41809.99	
WL3	24659.97	41843.56	
WL4	24566.93	41851.89	
WL5	23233.23	42022.34	
WL6	23163.14	42124.63	148
WL7	23167.39	42148.25	
WL8	23222.09	42191.22	
WL9	23232.27	42231.97	
WL10	23320.56	42209.89	
WL11	23310.37	42169.15	
TOTAL :			606

SEE OVERALL PLAN SHEET AND COMMITMENTS.

RIPRAP SCHEDULE		
LOCATION	STONE RIPRAP, CLASS A4	FILTER FABRIC
	SQ YD	SQ YD
AT CULVERT EXTENSION (UPPER LOT)		
AT OUTLET	20.8	20.8
ABOVE END SECTION	115.0	115.0
TOTAL :	136	136

MODEL: D:\dwg\170091\Bussell_Ferry\A_CADD - DWG\170091\Bussell_Ferry\A_CADD_Sheets\0276156-PL-Schedule.dgn



USER NAME = esmith	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 1/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE: NONE	SHEET 2	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	13
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

PAVING SCHEDULE															
LOCATION				CONTINUOUSLY REINFORCED HIGH-EARLY-STRENGTH PCC PAVEMENT 12"	PAVEMENT REINFORCEMENT	PROTECTIVE COAT	HMA SURFACE REMOVAL, 2"	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	SUBBASE GRANNULAR MATERIAL, TYPE A, 4"	SUBBASE GRANNULAR MATERIAL, TYPE A, 8"	HOT-MIX ASPHALT SHOULDERS, 12"	AGGREGATE SHOULDERS, TYPE A
STA.	TO	STA.	NOTES	SQ YD	SQ YD	SQ YD	SQ YD	POUND	POUND	TON	TON	SQ YD	SQ YD	SQ YD	TON
ALIGNMENT 3 (SOUTH APPROACH)															
0+00.00	TO	0+35.00					84.0		38.5		9.7				11.2
0+35.00	TO	2+30.00		693.3	693.3	693.3						715.0			
1+18.52	TO	1+18.52	SIDEROAD LT				116.0		49.5		24.6				
1+27.76	TO	2+24.10	TIE IN RT				75.0		33.7		8.4				
SUB TOTAL:				693.3	693.3	693.3	275.0	0.0	121.7	0.0	42.7	715.0	0.0	0.0	11.2
ALIGNMENT 1 (NORTH APPROACH - 1)															
2+83.00	TO	4+10.00	WIDTH VARIES	683.9	683.9	683.9						683.9			
4+10.00	TO	5+16.23		177.0	177.0	177.0						177.1			
4+10.00	TO	5+16.23	SHLDR LT									122.2		122.2	
4+10.00	TO	5+16.23	SHLDR RT									37.8		37.8	
SUB TOTAL:				860.9	860.9	860.9	0.0	0.0	0.0	0.0	0.0	1020.9	0.0	160.0	0.0
ALIGNMENT 2 (NORTH APPROACH - 2)															
10+43.00	TO	10+56.40		47.6	47.6	47.6						49.1			
10+56.40	TO	10+82.74	WARPING RT	131.2	131.2	131.2						131.2			
75' APPROACH TO SOUTHEAST STOP BAR				125.0	125.0	125.0						125.0			
SUB TOTAL:				303.8	303.8	303.8	0.0	0.0	0.0	0.0	0.0	305.4	0.0	0.0	0.0
ALIGNMENT 4 (ACCESS ROAD)															
10+13.29	TO	11+05.88	ACCESS RD					231.5	46.3	37.4	11.7		126.9		
SUB TOTAL:				0.0	0.0	0.0	0.0	231.5	46.3	37.4	11.7	0.0	126.9	0.0	0.0
PARKING LOTS															
UPPER								945.0	189.0	141.1	47.0		420.0		
LOWER							1810.0		814.5		202.7				
SERPENTINE							6458.0		2906.1		723.3				
SUB TOTAL:				0.0	0.0	0.0	8268.0	945.0	3909.6	141.1	973.1	0.0	420.0		0.0
FROM STRUCTURAL ITEMS:						426.7									
FROM GUTTER/ENTRANCE SCHEDULE:													96.3		
FROM PAVEMENT RESTORATION SCHEDULE:										100.0					
TOTAL:				1858	1858	2285	8543	1176	4078	279	1027	2041	643	160	11

GUTTER AND PCC ENTRANCE SCHEDULE							
LOCATION				CONCRETE GUTTER, TYPE A	PCC DRIVEWAY PAVEMENT, 8"	SUBBASE GRANNULAR MATERIAL, TYPE A, 8"	CLASS SI CONCRETE (OUTLET)
STA.	TO	STA.	NOTES	FOOT	SQ YD	SQ YD	CU YD
LOWER PARKING LOT							
SIDEWALK	TO	ACCESS RD	W EOP OF LOT	127		49.4	
10+02.72			ACCESS RD		22	23.6	
SOUTH	OF	ACCESS RD	W EOP OF LOT			23.3	4.7
SUB TOTAL:				127	22	96.3	4.7
TOTAL:				127	22	*	4.7

* SEE PAVING SCHEDULE FOR ADDITIONAL QUANTITY

PAVEMENT RESTORATION SCHEDULE					
DESCRIPTION	LENGTH OR NO. OF LOCATIONS (WITHIN EX. PAVT.)	AREA DISTURBED	TOTAL AREA (SQ YD)	30" TRENCH DETPH	
				HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N70	TRENCH BACKFILL
				9 - INCH TON	21 - INCH CU YD
UNDERGROUND CONDUITS	1100 FT	18" (TRENCH)	183.3	92	106.9
EXISTING FOUNDATION REMOVALS	4 FOUNDATIONS	24" X 24"	1.8	1	1.0
PROPOSED FOUNDATION INSTALLTION	6 FOUNDATIONS	24" X 24"	2.7	1	1.6
CABLE ROAD GUARD REMOVAL	ASSUME 100 POSTS (1595 FT AT 16' CTS)	12" X 12"	11.1	6	6.5
SUB-TOTAL:				100	116
TOTAL:				*	116

* SEE PAVING SCHEDULE

MODEL: D:\p\170091\Bussell_Ferry\A_CADD - DWG\A.7_Tran\CAD_Sheets\0676L56-PCC-schedules.dgn



USER NAME = esmith	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE: NONE	SHEET 3	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	14
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

STAGING ITEMS SCHEDULE								
LOCATION				PAVEMENT MARKING BLACKOUT TAPE, 5"	PAVEMENT MARKING TAPE, TYPE III, 4"	TEMPORARY PAVEMENT MARKING REMOVAL	AGGREGATE FOR TEMPORARY ACCESS	TEMPORARY PAVEMENT
STA.	TO	STA.	NOTES	FOOT	FOOT	SQ FT	TON	SQ YD
2+83.03	TO	3+00.00	STAGE 1B					57.0
10+24.34	TO	10+56.40	STAGE 1A					138.0
1+00.00	TO	1+44.00	STAGE 3				9.33	
-+65.00	TO	1+15.00	STAGE 2A	720	720	240	25.8	
-+65.00	TO	+35.00	STAGE 2B		400	133		
SUB TOTAL:				720.0	1120.0	373.0	35.1	195.0
TOTAL:				720	1120	373	35	195

CABLE ROAD GUARD SCHEDULE						
LOCATION				CABLE ROAD GUARD, SINGLE STRAND (SPECIAL)	CABLE ROAD GUARD REMOVAL	
STA.	TO	STA.	NOTES	FOOT	FOOT	
SERPENTINE STAGING AREA						
CB 1	TO	CB 8		788.0	1595.0	
CB 16	TO	CB 3		127.0		
CB 9	TO	CB 14		468.0		
CB 14	TO	CB 12		154.0		
SUB TOTAL:				1537.0	1595.0	
TOTAL:				1537	1595	

SIDEWALK AND HANDRAIL SCHEDULE						
LOCATION				SIDEWALK REMOVAL	PCC SIDEWALK 4 INCH	PIPE HANDRAIL
STA.	TO	STA.	NOTES	SQ FT	SQ FT	FOOT
PARKING LOTS						
UPPER			AT KIOSK	462.0	460.0	
UPPER			AT A/C UNIT			21.0
SUB TOTAL:				462.0	460.0	21.0
TOTAL:				462	460	21

SIGN SCHEDULE							
LOCATION					SIGN PANEL - TYPE 1	RELOCATE SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT
NUMBER	STA.	TO	STA.	NOTES	SQ FT	SQ FT	FOOT
ALIGNMENT 3 (SOUTH APPROACH)							
8	1+12.27	16.25	RT	STOP SIGN "TURN HEADLIGHTS OFF"		6.3	17.2
SUB TOTAL:					0.0	11.3	17.2
ALIGNMENT 1 (NORTH APPROACH - 1)							
1	4+11.95	18.34	RT	DO NOT ENTER		9.0	15.7
SUB TOTAL:					0.0	9.0	15.7
PARKING LOTS							
	UPPER			AT ADA STALL	1.5		14.2
SUB TOTAL:					1.5	0.0	14.2
SERPENTINE STAGING AREA							
2	24724.08	42151.90		NO PARKING		1.5	14.2
3	24749.64	42320.50		NO PARKING		3.0	14.2
4	24770.68	42451.89		"NO PARKING FERRY TRAFFIC ONLY"		6.3	15.2
5	24826.92	42481.60		"NO PARKING FERRY TRAFFIC ONLY"		7.5	15.2
6	24823.33	42543.94		"NO PARKING FERRY TRAFFIC ONLY"		7.5	15.2
7	24804.87	42540.28		"SEMIS, BUSES & RV'S US LEFT LANE"		9.0	15.7
SUB TOTAL:					0.0	34.8	89.7
TOTAL:					2	55	137

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USER NAME = esmith	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE: NONE	SHEET 4	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	15
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

PAVEMENT MARKING SCHEDULE												
LOCATION				THERMOPLASTIC PAVEMENT MARKING LINE			THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	PAINT PAVEMENT MARKING LINE			PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	
				4 - INCH	8 - INCH	12 - INCH		4 - INCH	8 - INCH	12 - INCH		
STA.	TO	STA.	NOTES	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	SQ FT	
ALIGNMENT 3 (SOUTH APPROACH)												
0+00.00	TO	0+35.00	CL	DOUBLE YELLOW	70.0							
0+35.00	TO	1+10.00						150.0				
0+00.00	TO	0+35.00	LT EDGE LINE	SINGLE WHITE	35.0							
0+35.00	TO	+83.17						48.0				
0+00.00	TO	0+35.00	RT EDGE LINE	SINGLE WHITE	35.0							
0+35.00	TO	1+10.00						76.0				
1+10.00	TO	1+10.00	STOP BAR	SINGLE WHITE						12.0		
SUB TOTAL:					140.0	0.0	0.0	0.0	274.0	0.0	12.0	0.0
ALIGNMENT 1 (NORTH APPROACH - 1)												
			1-THRU ARROW	WHITE							6.5	
SUB TOTAL:					0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5
ALIGNMENT 2 (NORTH APPROACH - 2)												
			2-THRU ARROWS	WHITE							13.0	
SUB TOTAL:					0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0
SERPENTINE STAGING AREA												
PM 5A	TO	PM 5	EDGE LINE	SINGLE WHITE						8.5		
PM 5	TO	PM 6	NORTH EDGE LINE	SINGLE WHITE						117.0		
PM 6	TO	PM 14	NORTH EDGE LINE	SINGLE WHITE	544.0							
PM 5	TO	PM 15	STOP BAR	SINGLE WHITE							15.0	
PM 5	TO	PM 6	SHLDR LT	DIAGONALS			98.0					
PM 10	TO	PM 14	SHLDR RT	DIAGONALS			262.0					
PM 16	TO	PM 23	NORTH LANE LINE	SINGLE WHITE	869.0							
PM 15	TO	PM 16	NORTH LANE LINE	SINGLE WHITE					96.0			
PM 15	TO	PM 16	SHLDR RT	DIAGONALS			26.0					
PM 15	TO	PM 39	EDGE LINE	SINGLE WHITE					8.5			
PM 24	TO	PM 24	INSIDE LANE LINE	SINGLE WHITE	1026.0							
PM 40	TO	PM 23A	SOUTH LANE LINE	SINGLE WHITE					76.0			
PM 23	TO	PM 38	SOUTH LANE LINE	SINGLE WHITE	361.0							
PM 41	TO	PM 41A	SOUTH EDGE LINE	SINGLE WHITE					76.0			
PM 41A	TO	PM 50	SOUTH EDGE LINE	SINGLE WHITE	595.0							
PM 39	TO	PM 16	SHOULDER LINE	SINGLE WHITE	93.0							
PM 39	TO	PM 40	EDGE LINE	SINGLE WHITE					23.0			
PM 40	TO	PM 41	STOP BAR	SINGLE WHITE						15.0		
PM 41	TO	PM 42	SHLDR LT	DIAGONALS			78.0					
SUB TOTAL:					3488.0	0.0	464.0	84.5	0.0	405.0	30.0	0.0
UPPER PARKING LOT - ADA STALL												
PM 51	TO	PM 53		SINGLE WHITE		23.0						
PM 53	TO	PM 54		SINGLE WHITE		18.5						
PM 53	TO	PM 55		SINGLE WHITE		8.0						
PM 55	TO	PM 56		SINGLE WHITE		18.5						
PM 57	TO	PM 59		SINGLE WHITE		23.0						
PM 53	TO	PM 57		SINGLE WHITE		5.0						
PM 58	TO	PM 54		SINGLE WHITE			58.0					
PM 60	TO	PM 54		SINGLE WHITE		8.0						
SUB TOTAL:					0.0	104.0	58.0	0.0	0.0	0.0	0.0	0.0
LOWER PARKING LOT												
EXIT	TO	IL 100	2-THRU ARROWS	WHITE				13.0				
PM 1	TO	PM 4	EXIT MEDIAN	SINGLE WHITE	87.0							
				DIAGONALS			30.0					
SUB TOTAL:					87.0	0.0	30.0	13.0	0.0	0.0	0.0	0.0
TOTAL:					3715	104	552	98	274	405	42	20

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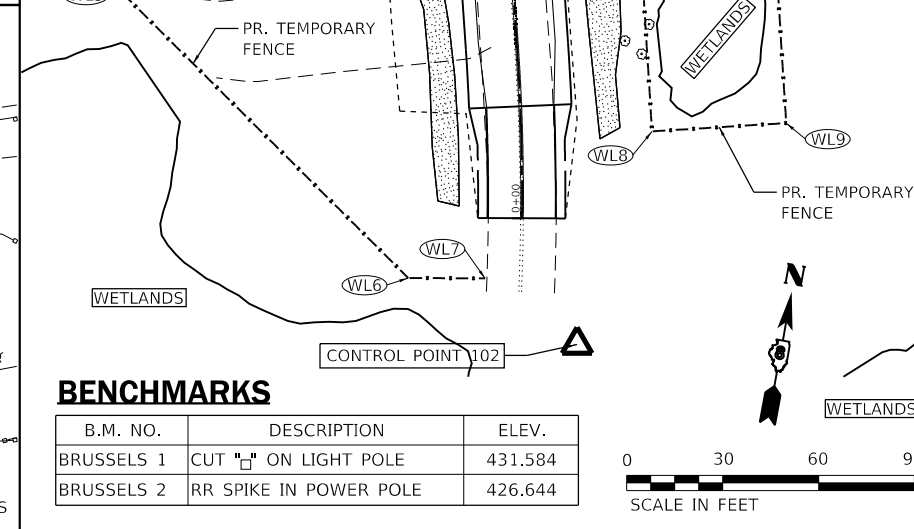
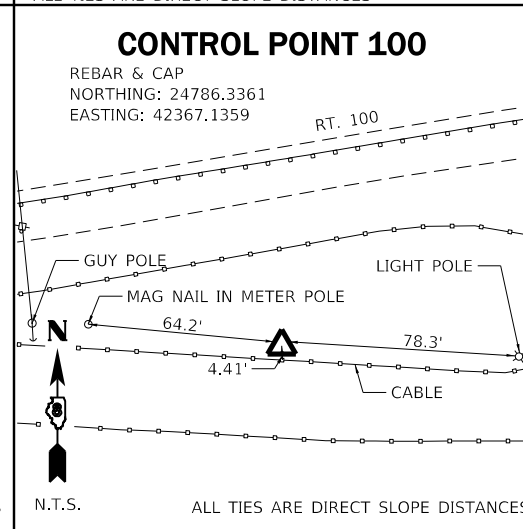
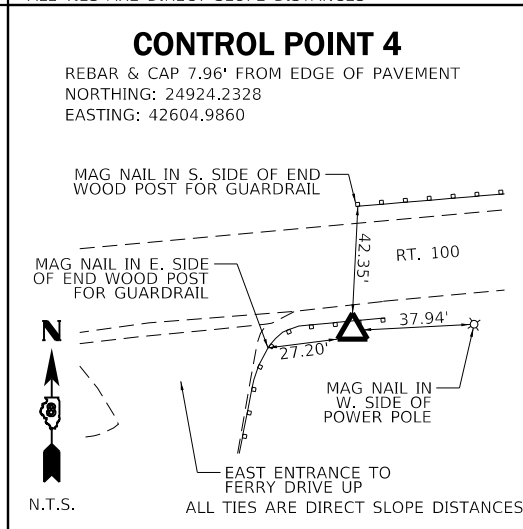
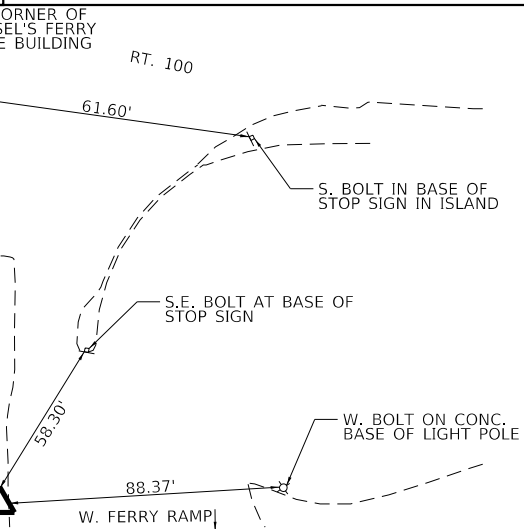
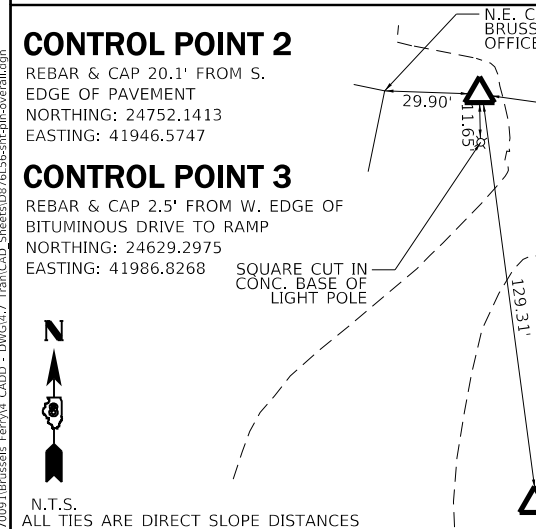
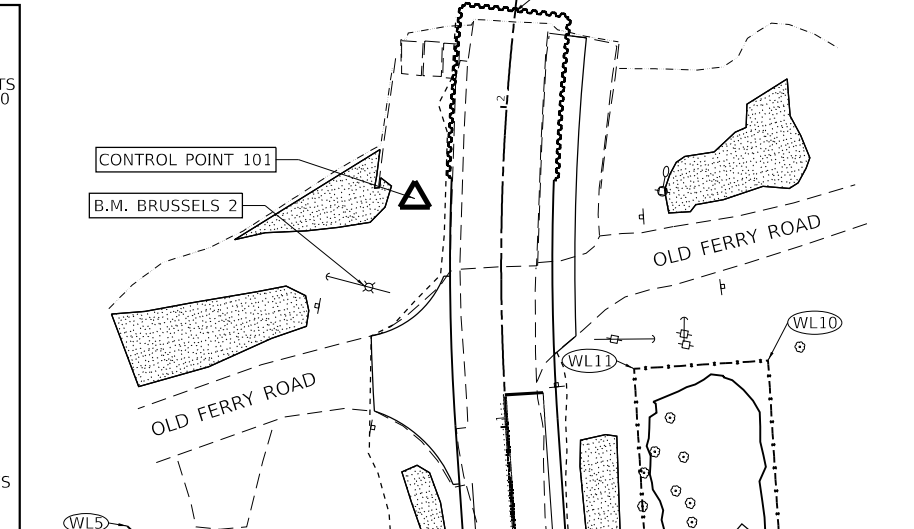
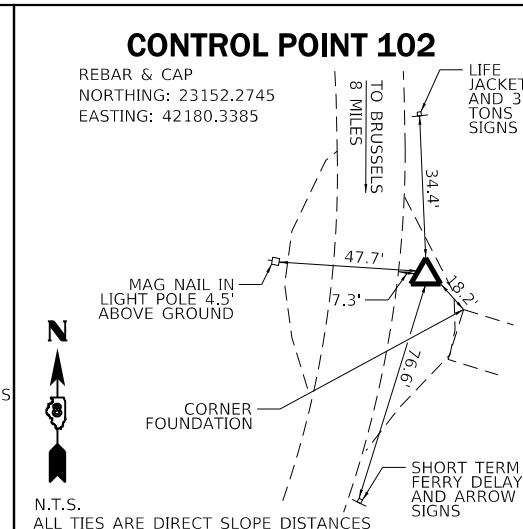
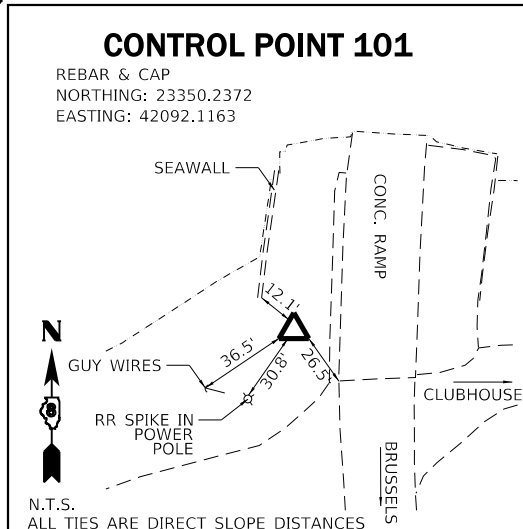
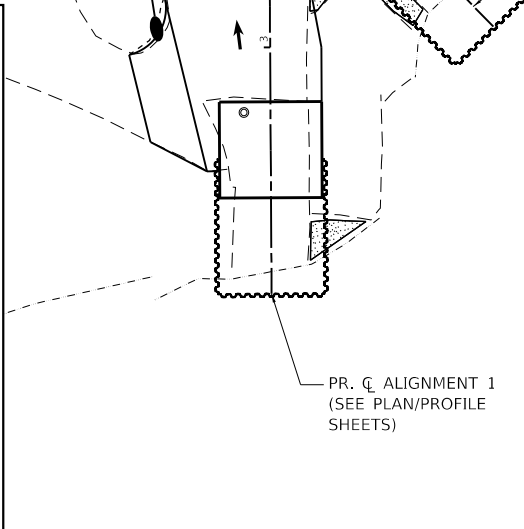
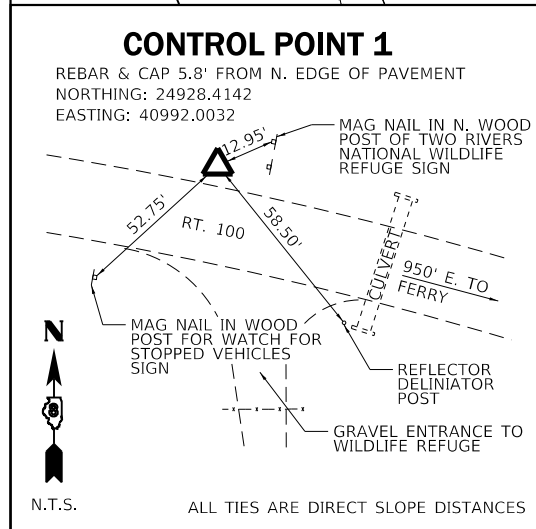
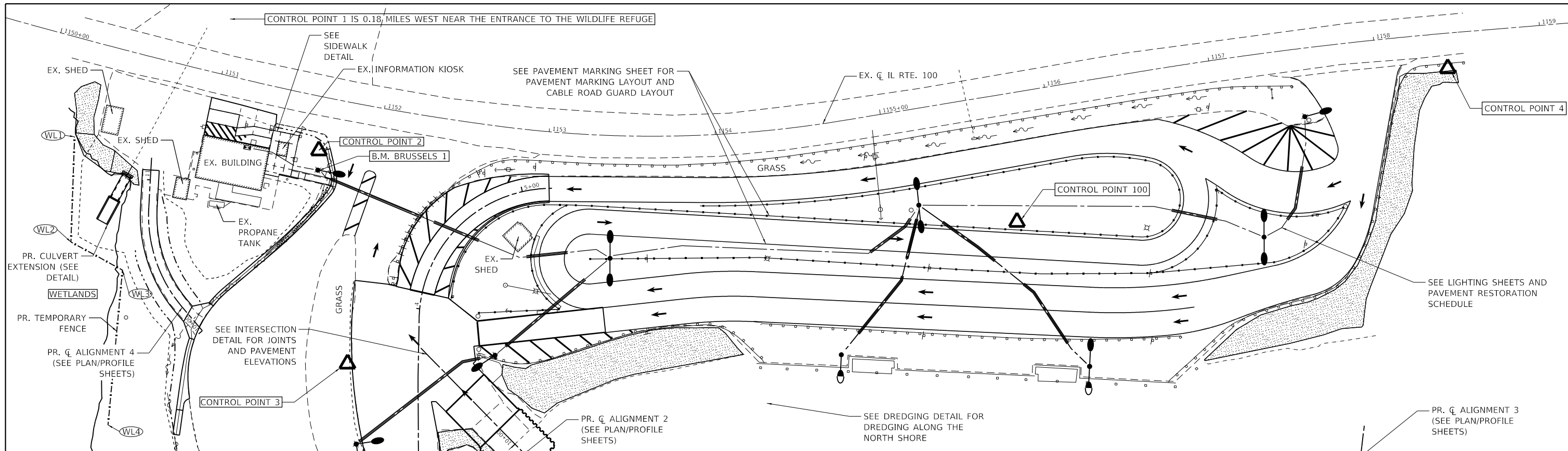
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	DRAWN -	REVISED -
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PLOT DATE = 1/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES			
SCALE: NONE	SHEET 5	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	16
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN



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 DATE: 1/17/2019

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	PLOT DATE = 1/17/2019	CHECKED -	REVISED -
		DATE -	REVISED -

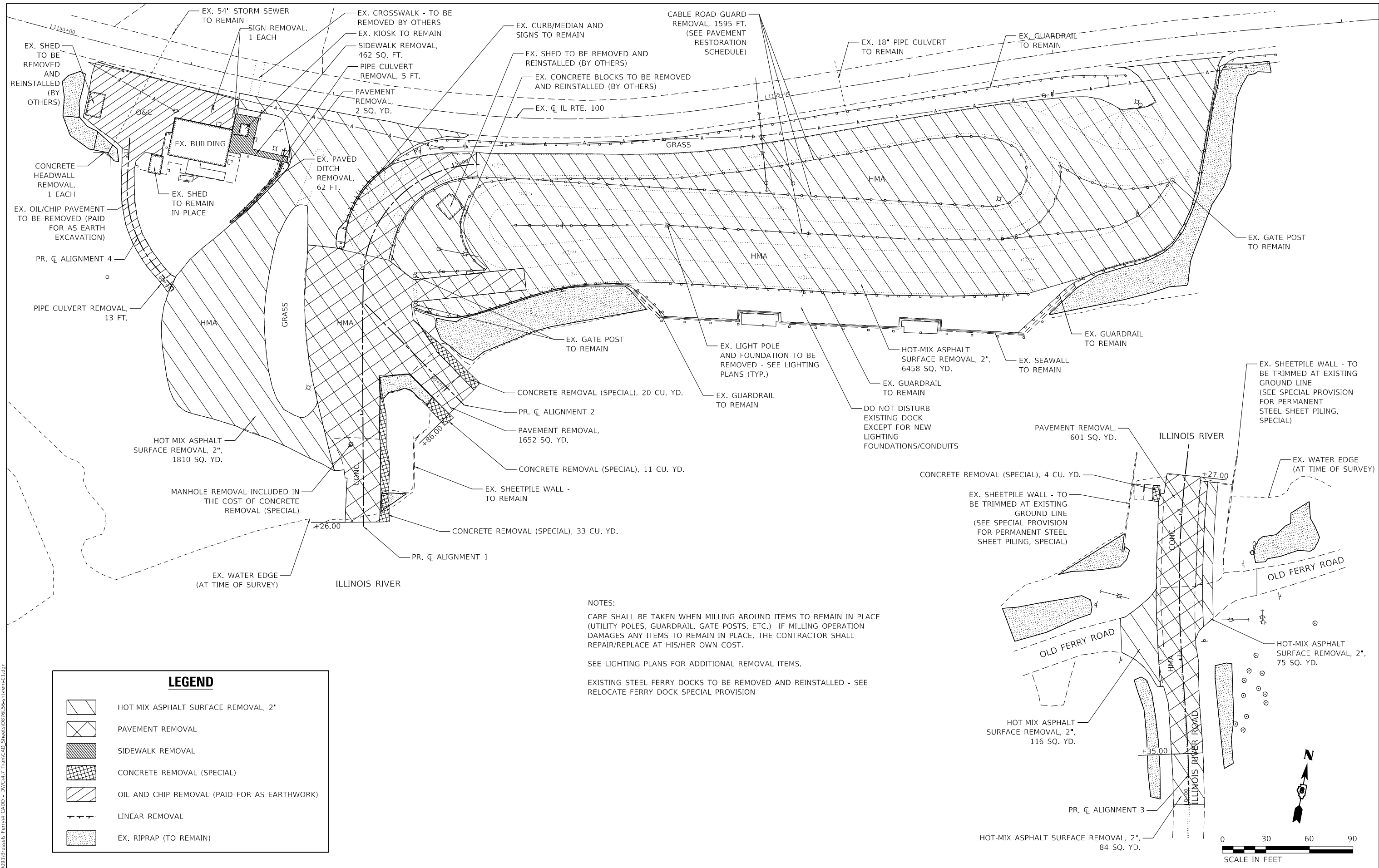
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

OVERALL PLAN SHEET, CONTROL TIES AND BENCHMARKS

SCALE: 1" = 30' SHEET 1 OF 1 SHEETS STA. TO STA.

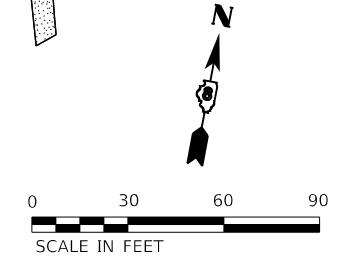
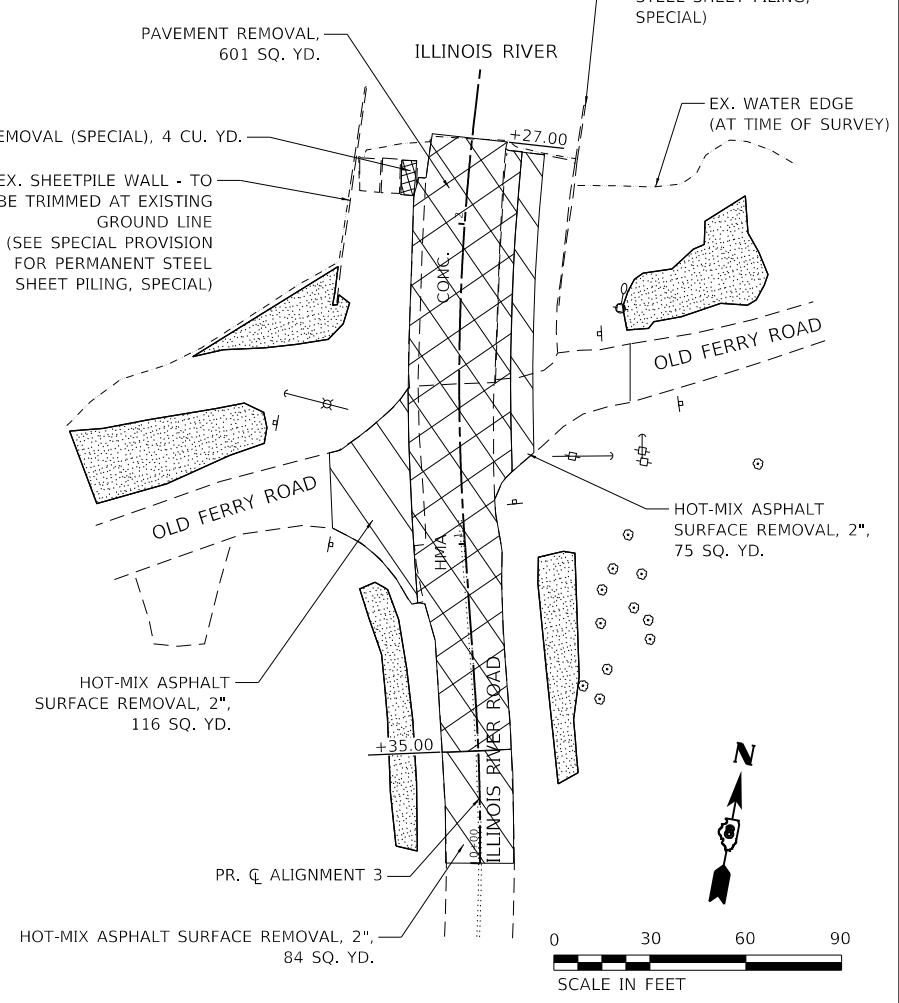
F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 17
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN



NOTES:
 CARE SHALL BE TAKEN WHEN MILLING AROUND ITEMS TO REMAIN IN PLACE (UTILITY POLES, GUARDRAIL, GATE POSTS, ETC.) IF MILLING OPERATION DAMAGES ANY ITEMS TO REMAIN IN PLACE, THE CONTRACTOR SHALL REPAIR/REPLACE AT HIS/HER OWN COST.
 SEE LIGHTING PLANS FOR ADDITIONAL REMOVAL ITEMS.
 EXISTING STEEL FERRY DOCKS TO BE REMOVED AND REINSTALLED - SEE RELOCATE FERRY DOCK SPECIAL PROVISION

LEGEND	
	HOT-MIX ASPHALT SURFACE REMOVAL, 2"
	PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	CONCRETE REMOVAL (SPECIAL)
	OIL AND CHIP REMOVAL (PAID FOR AS EARTHWORK)
	LINEAR REMOVAL
	EX. RIPRAP (TO REMAIN)



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USER NAME = jstein	DESIGNED -	REVISED -
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PLOT DATE = 3/21/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

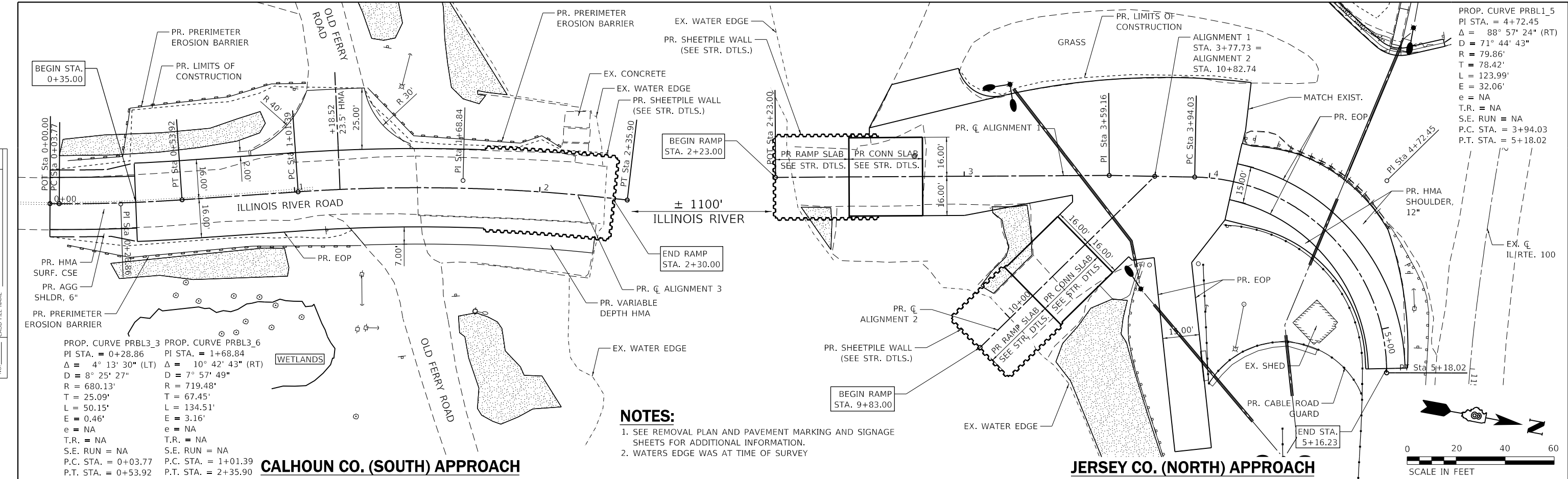
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	18
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	

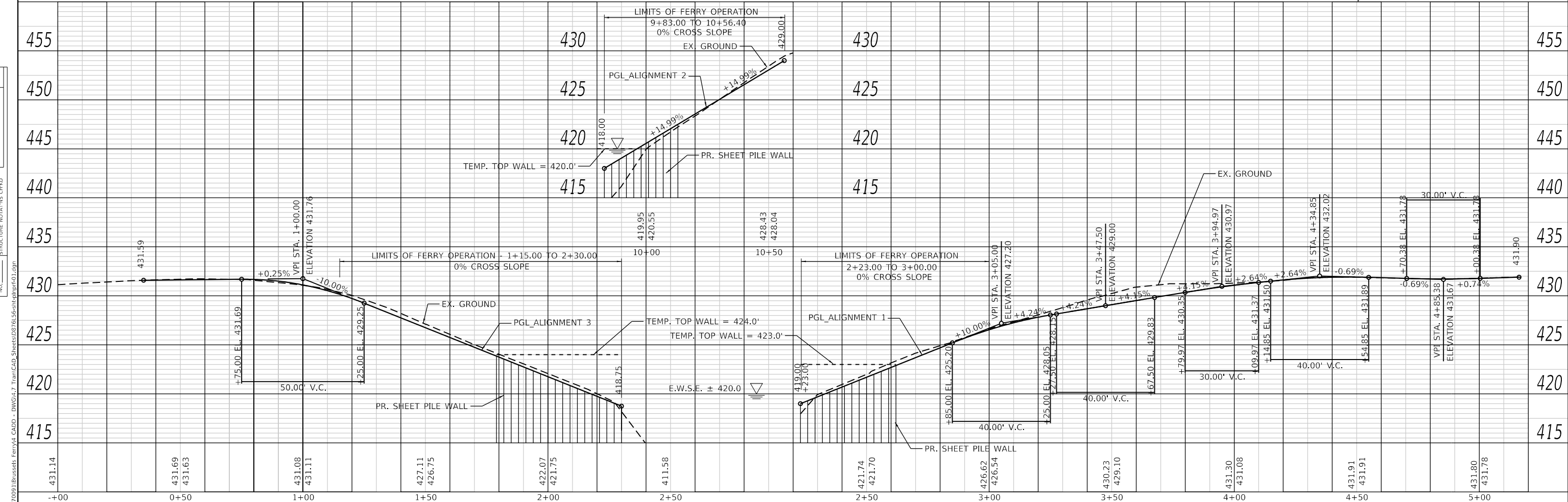


PROP. CURVE PRBL1_5
 PI STA. = 4+72.45
 $\Delta = 88^\circ 57' 24''$ (RT)
 $D = 71^\circ 44' 43''$
 $R = 79.86'$
 $T = 78.42'$
 $L = 123.99'$
 $E = 32.06'$
 $e = NA$
 $T.R. = NA$
 $S.E. RUN = NA$
 $P.C. STA. = 3+94.03$
 $P.T. STA. = 5+18.02$

NOTES:
 1. SEE REMOVAL PLAN AND PAVEMENT MARKING AND SIGNAGE SHEETS FOR ADDITIONAL INFORMATION.
 2. WATERS EDGE WAS AT TIME OF SURVEY

CALHOUN CO. (SOUTH) APPROACH

JERSEY CO. (NORTH) APPROACH



USER NAME = esmith	DESIGNED -	REVISD -
	DRAWN -	REVISD -
	CHECKED -	REVISD -
	DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

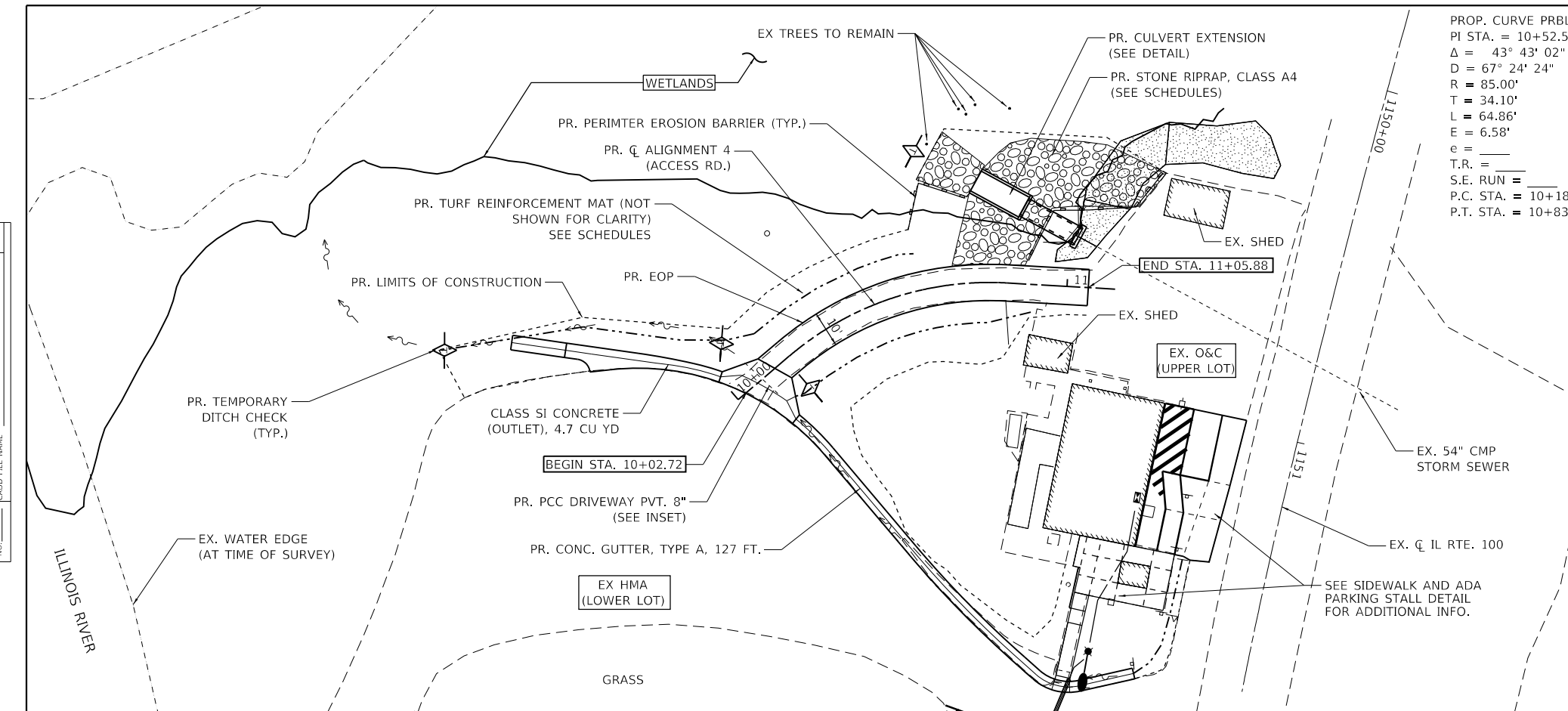
**PLAN AND PROFILE
 BRUSSELS FERRY RAMP APPROACHES**

SCALE: 1" = 20'
 SHEET 1 OF 2 SHEETS
 STA. TO STA.

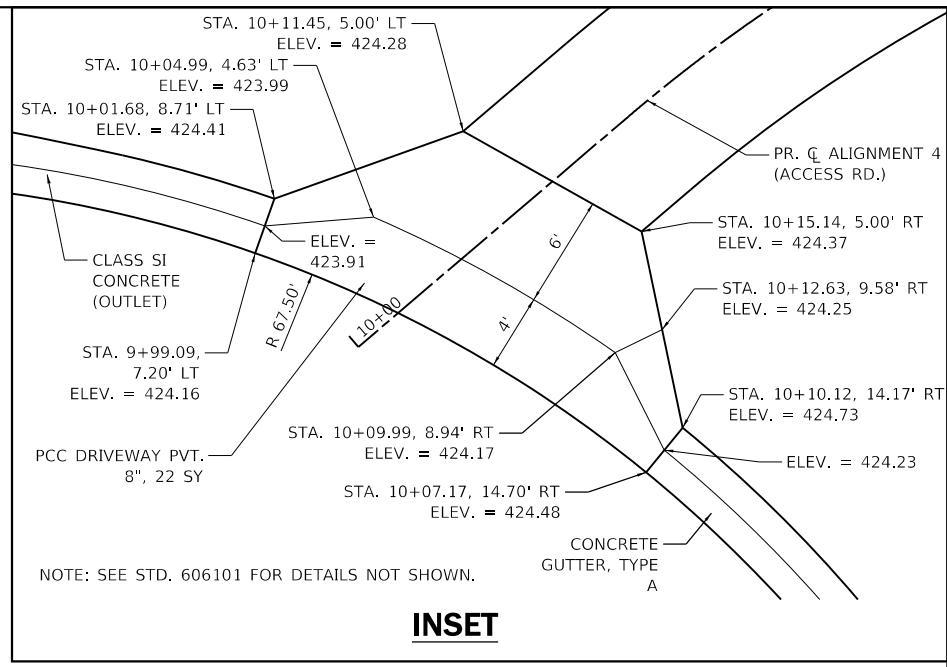
F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 19
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76156	
* JERSEY & CALHOUN				

PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	ALIGNMENT CHECKED	
	FILE NAME	

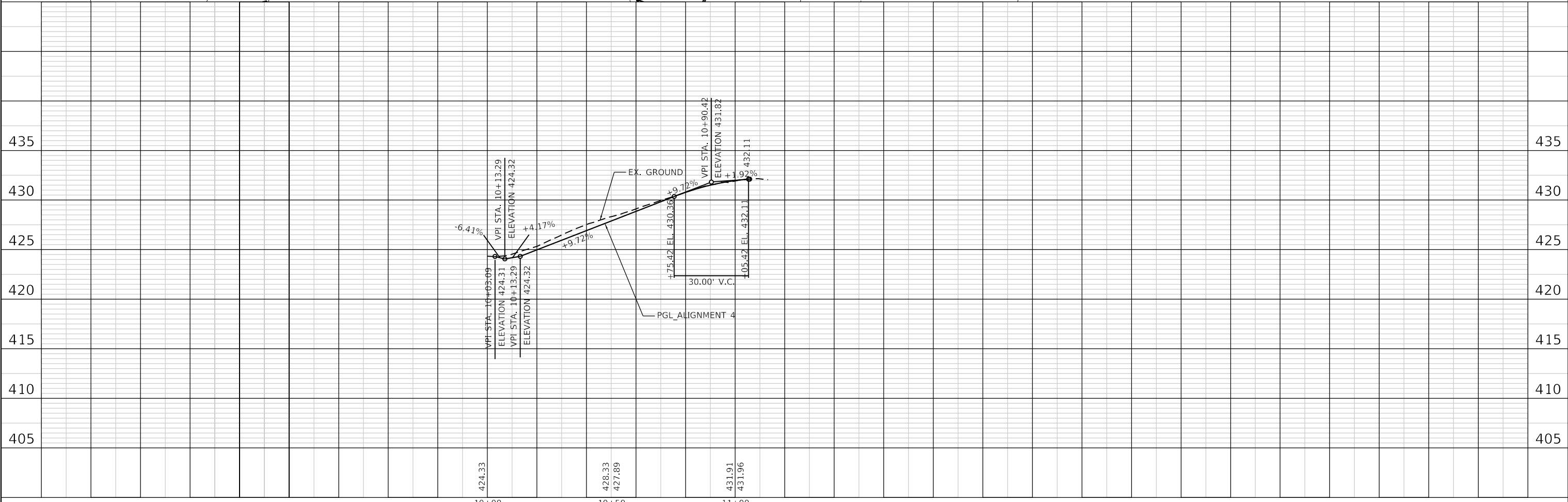
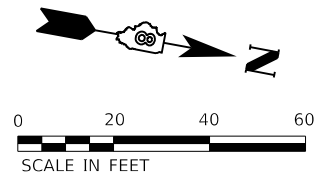
PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	



PROP. CURVE PRBL4_3
 PI STA. = 10+52.59
 $\Delta = 43^\circ 43' 02''$ (RT)
 $D = 67^\circ 24' 24''$
 $R = 85.00'$
 $T = 34.10'$
 $L = 64.86'$
 $E = 6.58'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 10+18.50$
 $P.T. STA. = 10+83.35$



- NOTES:**
 1. SEE REMOVAL PLAN AND PAVEMENT MARKING AND SIGNAGE SHEETS FOR ADDITIONAL INFORMATION.
 2. WATERS EDGE WAS AT TIME OF SURVEY



MODEL: Default
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PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE
 ALIGNMENT 4**

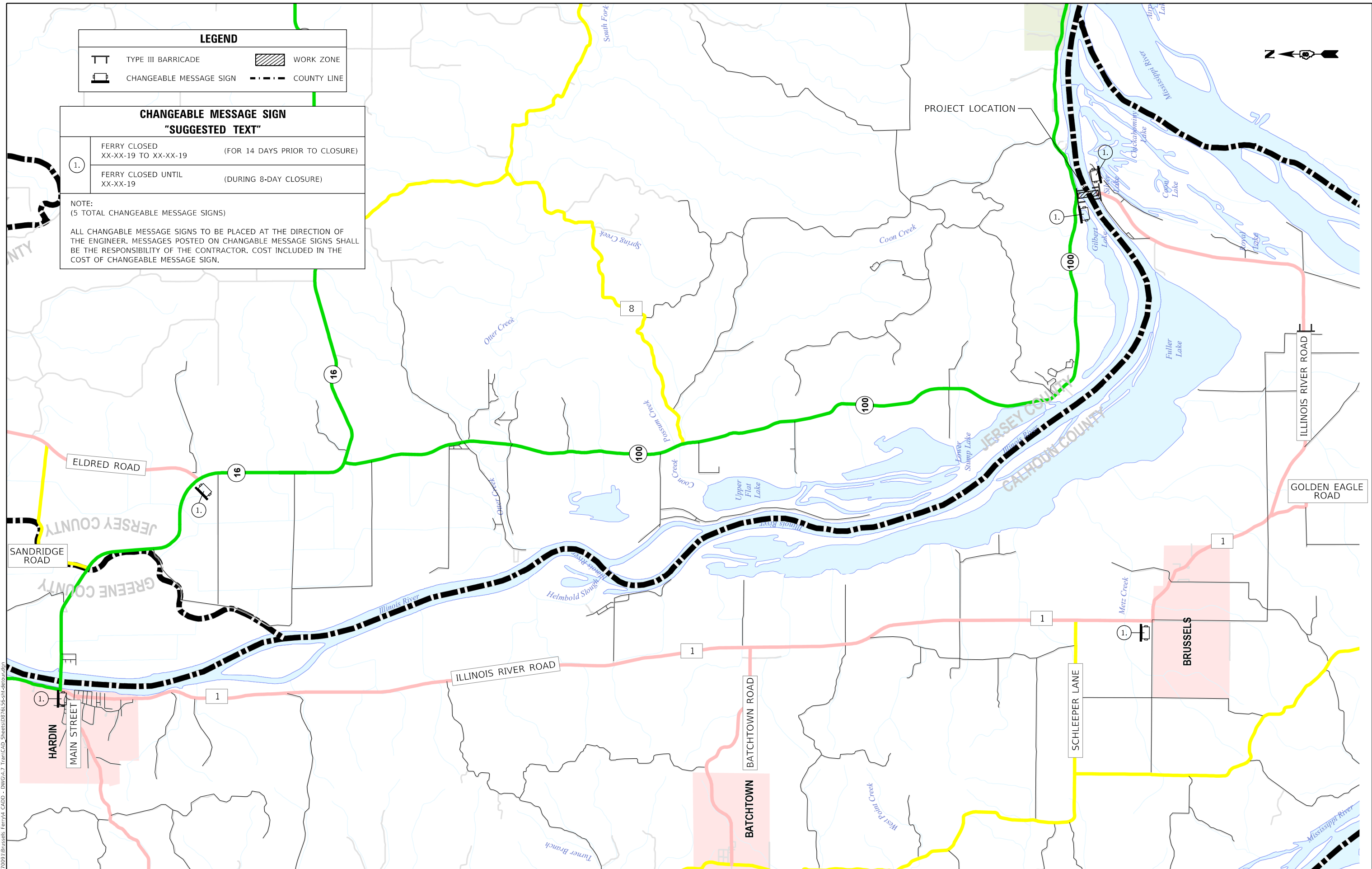
SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 20
CONTRACT NO. 76L56			ILLINOIS FED. AID PROJECT	

* JERSEY & CALHOUN

LEGEND	
	TYPE III BARRICADE
	CHANGEABLE MESSAGE SIGN
	WORK ZONE
	COUNTY LINE

CHANGEABLE MESSAGE SIGN "SUGGESTED TEXT"	
1.	FERRY CLOSED XX-XX-19 TO XX-XX-19 (FOR 14 DAYS PRIOR TO CLOSURE)
1.	FERRY CLOSED UNTIL XX-XX-19 (DURING 8-DAY CLOSURE)
NOTE: (5 TOTAL CHANGEABLE MESSAGE SIGNS)	
ALL CHANGABLE MESSAGE SIGNS TO BE PLACED AT THE DIRECTION OF THE ENGINEER. MESSAGES POSTED ON CHANGABLE MESSAGE SIGNS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COST INCLUDED IN THE COST OF CHANGEABLE MESSAGE SIGN.	



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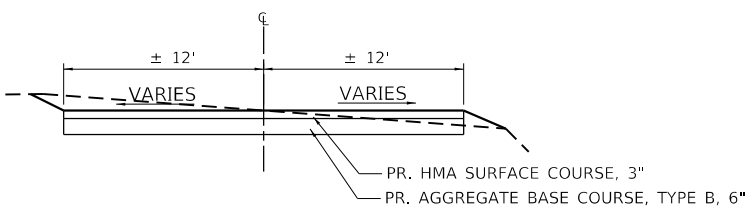
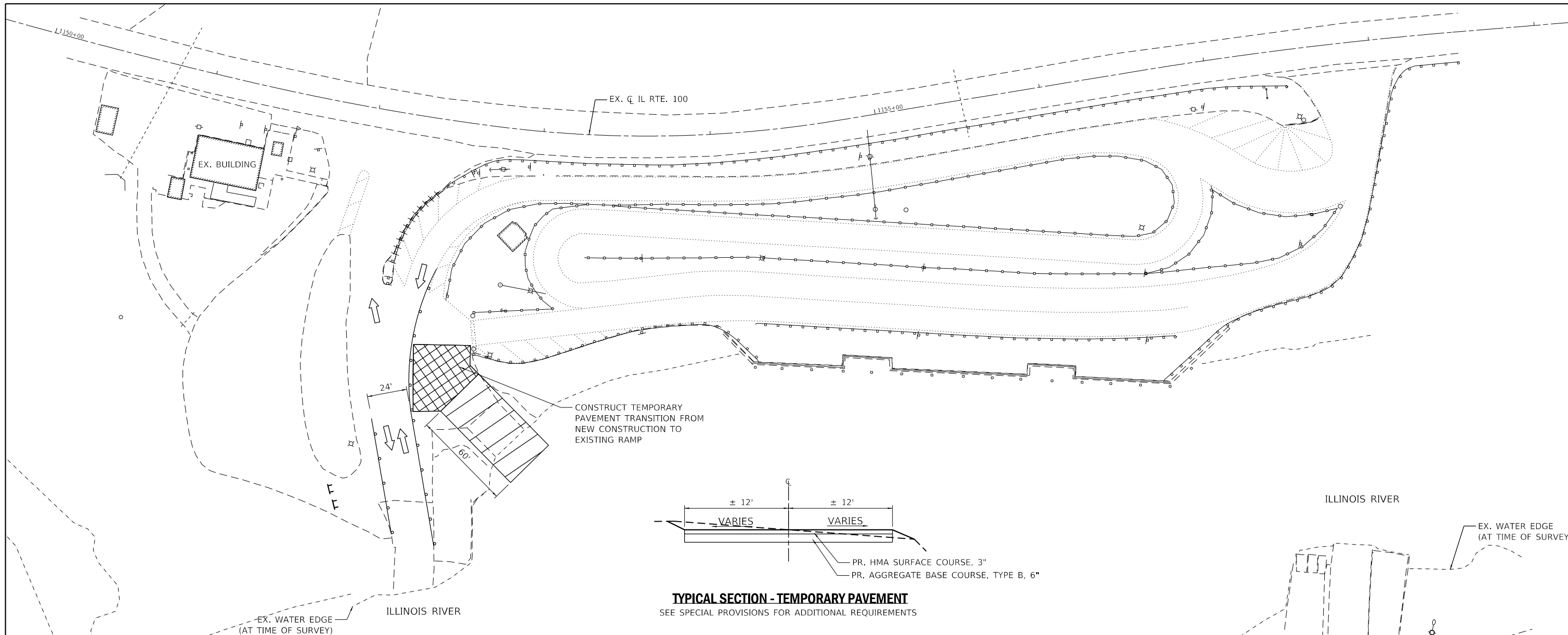
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHANGEABLE MESSAGE SIGN PLAN

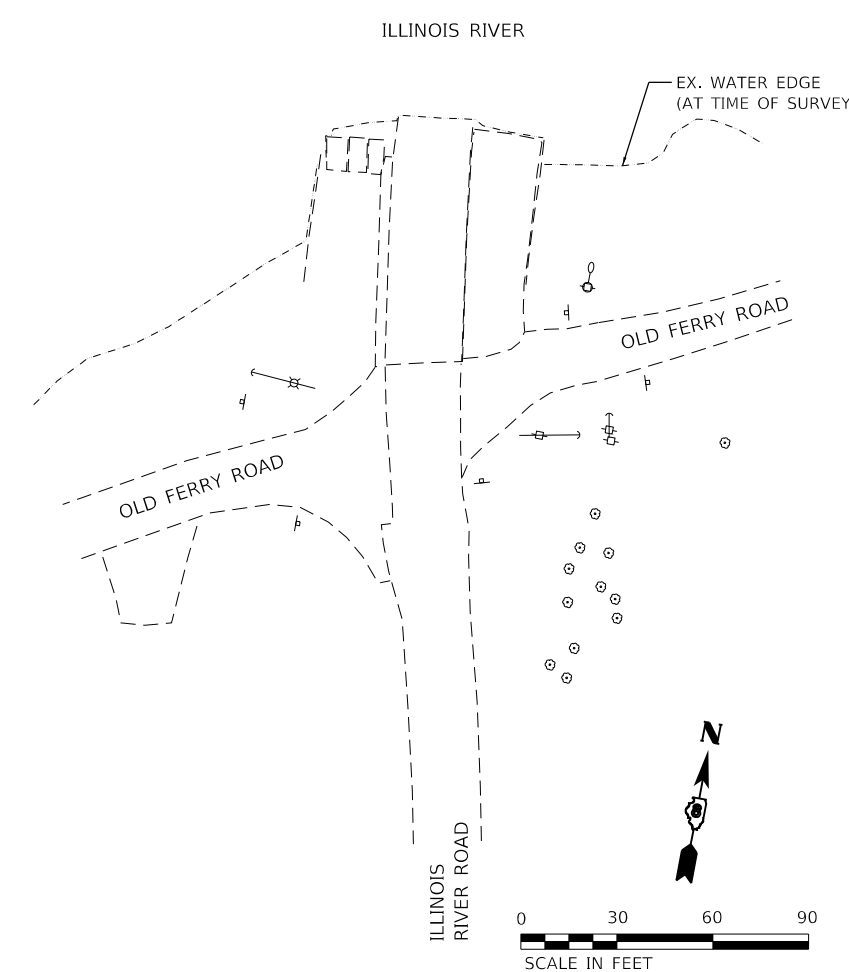
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	21
CONTRACT NO. 76L56				

ILLINOIS FED. AID PROJECT * JERSEY & CALHOUN



TYPICAL SECTION - TEMPORARY PAVEMENT
SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS



LEGEND

- PROPOSED STAGE 1A CONSTRUCTION
- DRUMS OR BARRICADES WITH STEADY BURNING WARNING LIGHTS
- BARRICADE, TYPE III
- DIRECTION OF TRAFFIC FLOW

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF POSITIVE DRAINAGE, ADEQUATE EROSION CONTROL AND SEDIMENT CONTROL DURING ALL STAGES OF CONSTRUCTION. NO DIRECT PAYMENT WILL BE MADE FOR ANY TEMPORARY PIPES OR CULVERTS, TEMPORARY DITCHING, OR TEMPORARY RELOCATION OF EXISTING DRIVEWAY/ENTRANCE CULVERTS DETERMINED TO BE REQUIRED IN ORDER TO CONSTRUCT THE PROJECT.
2. ANY ADDITIONAL SIGNAGE REQUIRED FOR STAGE 1 AND AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE LUMP SUM ITEM OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
3. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH STANDARD 701901.

CONSTRUCTION

1. CONSTRUCT THE EAST RAMP ON THE NORTH APPROACH (ALIGN 2).
2. CONSTRUCT TEMPORARY PAVEMENT
3. TRIM PROPOSED SHEET PILEING TO FINAL GRADES.
4. LOCATE ALL EXISTING LIGHTING CONDUCTORS TO ENSURE THAT THE INSTALLATION OF THE PROPOSED RACEWAY DOES NOT IMPACT THE EXISTING LIGHTING.
5. EXISTING LIGHTING SHALL REMAIN OPERATIONAL UNTIL BRUSSELS FERRY IS CLOSED TO TRAFFIC IN STAGE 3.

TRAFFIC

1. BRUSSELS FERRY SHALL BE/REMAIN OPERATIONAL VIA THE EXISTING WEST RAMP (ALIGN 1).
2. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

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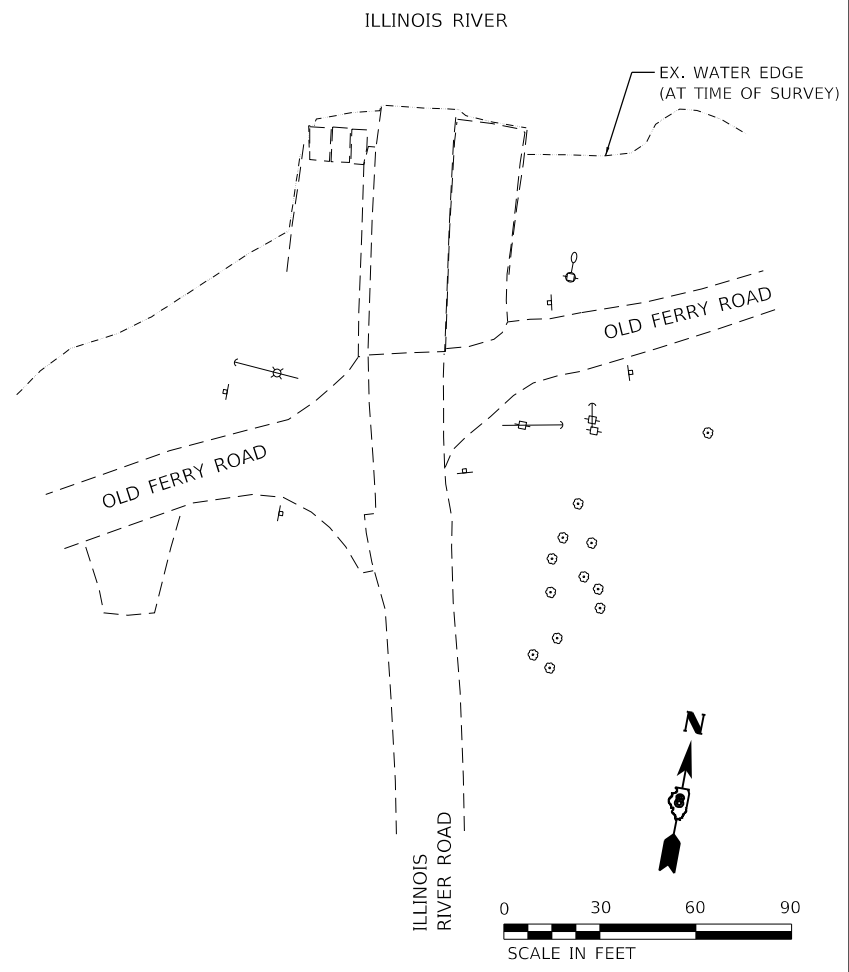
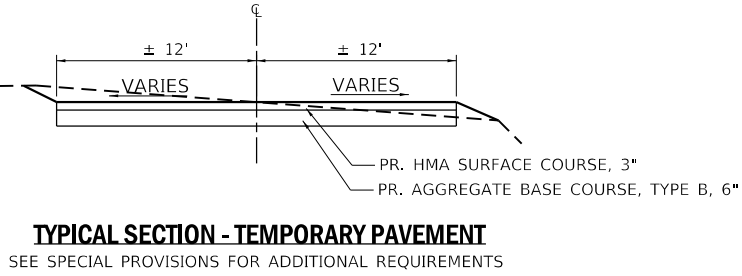
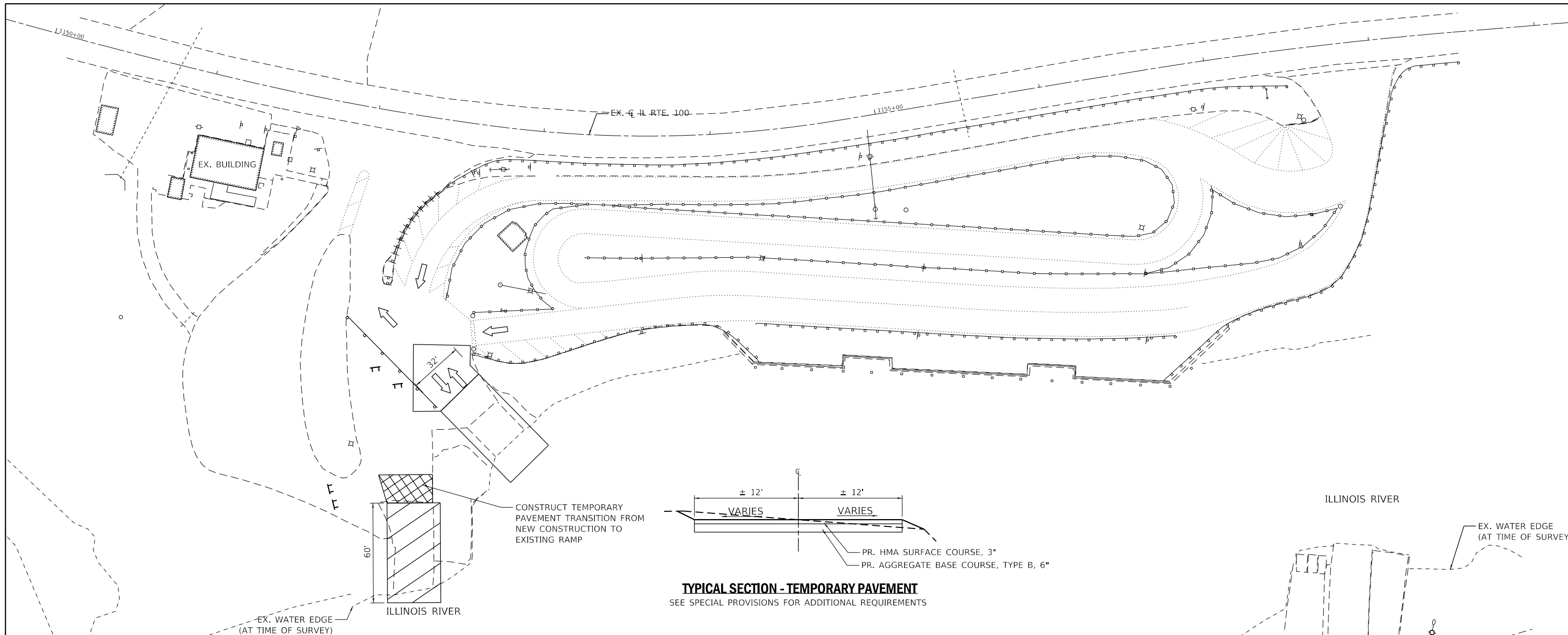


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PLOT DATE = 1/18/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A SCHEMATIC AND GENERAL NOTES			
SCALE: 1" = 30'	SHEET 1	OF 6 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	22
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				
* JERSEY & CALHOUN				



LEGEND

- PROPOSED STAGE 1B CONSTRUCTION
- DRUMS OR BARRICADES WITH STEADY BURNING WARNING LIGHTS
- BARRICADE, TYPE III
- DIRECTION OF TRAFFIC FLOW

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF POSITIVE DRAINAGE, ADEQUATE EROSION CONTROL AND SEDIMENT CONTROL DURING ALL STAGES OF CONSTRUCTION. NO DIRECT PAYMENT WILL BE MADE FOR ANY TEMPORARY PIPES OR CULVERTS, TEMPORARY DITCHING, OR TEMPORARY RELOCATION OF EXISTING DRIVEWAY/ENTRANCE CULVERTS DETERMINED TO BE REQUIRED IN ORDER TO CONSTRUCT THE PROJECT.
2. ANY ADDITIONAL SIGNAGE REQUIRED FOR STAGE 1 AND AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE LUMP SUM ITEM OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
3. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH STANDARD 701901.

CONSTRUCTION

1. CONSTRUCT THE WEST RAMP ON THE NORTH APPROACH (ALIGN 1).
2. CONSTRUCT TEMPORARY PAVEMENT.
3. TRIM PROPOSED SHEET PILING TO FINAL GRADES.
4. INSTALL PROPOSED LIGHTING RACEWAY WITH CONDUCTORS, LIGHTING UNITS, AND LIGHTING CONTROLLER (CONTROLLER WILL NOT BE ENERGIZED UNTIL BRUSSELS FERRY IS CLOSED TO TRAFFIC IN STAGE 3).
5. EXISTING LIGHTING SHALL REMAIN OPERATIONAL UNTIL BRUSSELS FERRY IS CLOSED TO TRAFFIC IN STAGE 3.

TRAFFIC

1. BRUSSELS FERRY SHALL BE/REMAIN OPERATIONAL VIA THE RECONSTRUCTED EAST RAMP AND TEMP PAVEMENT (ALIGN 2).
2. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

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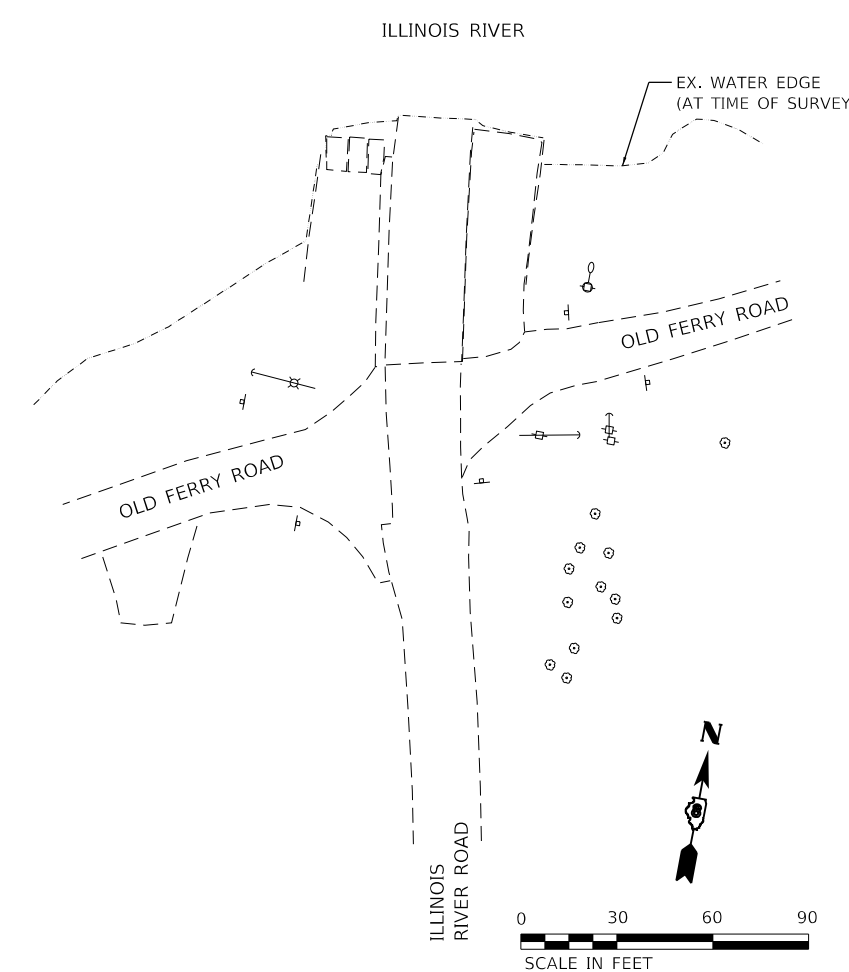
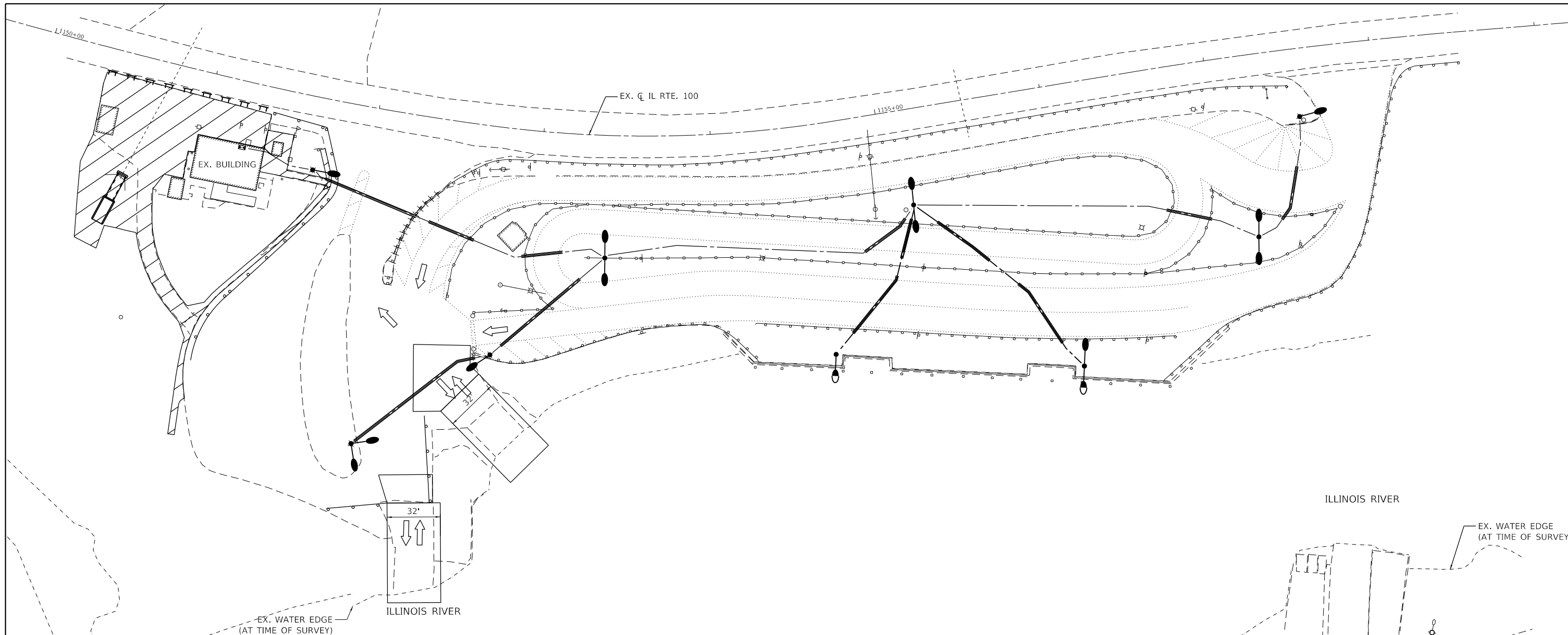


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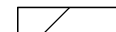
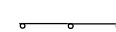


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1B SCHEMATIC AND GENERAL NOTES			
SCALE: 1" = 30'	SHEET 2	OF 6 SHEETS	STA. TO STA.

F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 23
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				
* JERSEY & CALHOUN				



LEGEND

-  PROPOSED STAGE 2 CONSTRUCTION
-  DRUMS OR BARRICADES WITH STEADY BURNING WARNING LIGHTS
-  BARRICADE, TYPE III
-  DIRECTION OF TRAFFIC FLOW

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF POSITIVE DRAINAGE, ADEQUATE EROSION CONTROL AND SEDIMENT CONTROL DURING ALL STAGES OF CONSTRUCTION. NO DIRECT PAYMENT WILL BE MADE FOR ANY TEMPORARY PIPES OR CULVERTS, TEMPORARY DITCHING, OR TEMPORARY RELOCATION OF EXISTING DRIVEWAY/ENTRANCE CULVERTS DETERMINED TO BE REQUIRED IN ORDER TO CONSTRUCT THE PROJECT.
2. ANY ADDITIONAL SIGNAGE REQUIRED FOR STAGE 2 AND AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE LUMP SUM ITEM OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
3. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH STANDARD 701901.

CONSTRUCTION

1. CONSTRUCT THE CULVERT EXTENSION AND PLACE BACKFILL.
2. RECONSTRUCT THE UPPER PARKING LOT.
3. RECONSTRUCT THE ACCESS ROAD.
4. CONSTRUCT CONCRETE GUTTER, ENTRANCE APRON AND CLASS SI CONCRETE (OUTLET).
5. DREDGE THE ILLINOIS RIVER ON THE NORTH SIDE (AFTER STAGES 1A & 1B ARE COMPLETE)
6. RECONSTRUCT THE SIDEWALK AS SHOWN IN THE PLANS.
7. CONSTRUCT ELECTRICAL CONDUITS AND LIGHT POLES/FOUNDATIONS.
8. REMOVE EXISTING LIGHT POLES/FOUNDATIONS (AFTER NEW LIGHTING HAS BEEN INSTALLED, TESTED AND ACCEPTED).
9. CONSTRUCT ANY OTHER ANCILLARY ITEMS, GRADING, ETC.
10. PROPOSED LIGHTING RACEWAY WITH CONDUCTOR, LIGHTING UNITS, AND LIGHTING CONTROLLER SHALL BE COMPLETELY INSTALLED AND READY FOR POWER CONNECTION TO PROPOSED LIGHTING CONTROLLER PRIOR TO BRUSSELS FERRY BEING CLOSED TO TRAFFIC IN STAGE 3.

TRAFFIC

1. BRUSSELS FERRY SHALL BE OPERATIONAL.
2. SERPENTINE STAGING AREA TO REMAIN OPERATIONAL DURING CONSTRUCTION OF UNDERGROUND CONDUITS AND LIGHT POLES/FOUNDATIONS. CONTRACTOR TO DEVELOP STAGING PLAN FOR THIS WORK. STAGING PLAN SHALL BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTING.
3. NO OPEN TRENCHES WILL BE ALLOWED OVERNIGHT.
4. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

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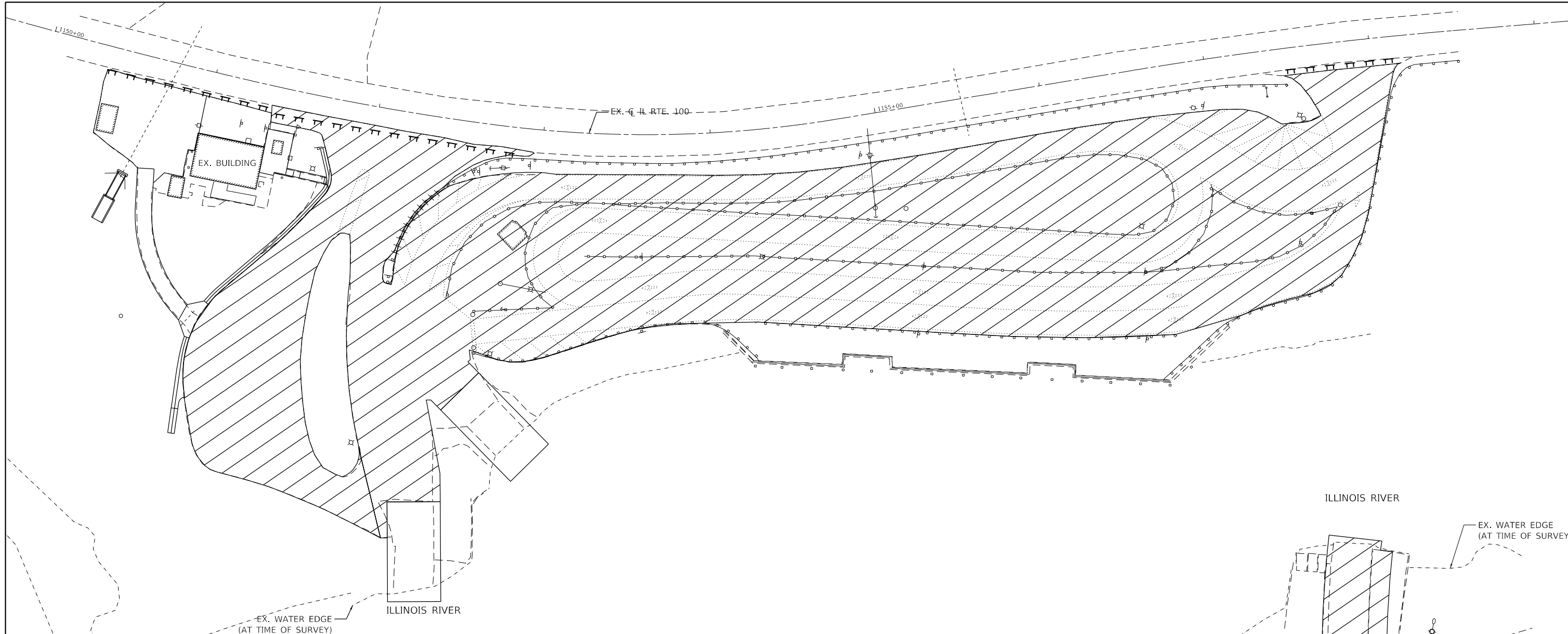
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

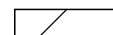
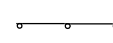


STAGE 2 SCHEMATIC AND GENERAL NOTES			
SCALE: 1" = 30'	SHEET 3	OF 6 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	24
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN



LEGEND

-  PROPOSED STAGE 3 CONSTRUCTION
-  DRUMS OR BARRICADES WITH STEADY BURNING WARNING LIGHTS
-  BARRICADE, TYPE III
-  DIRECTION OF TRAFFIC FLOW

NOTES:

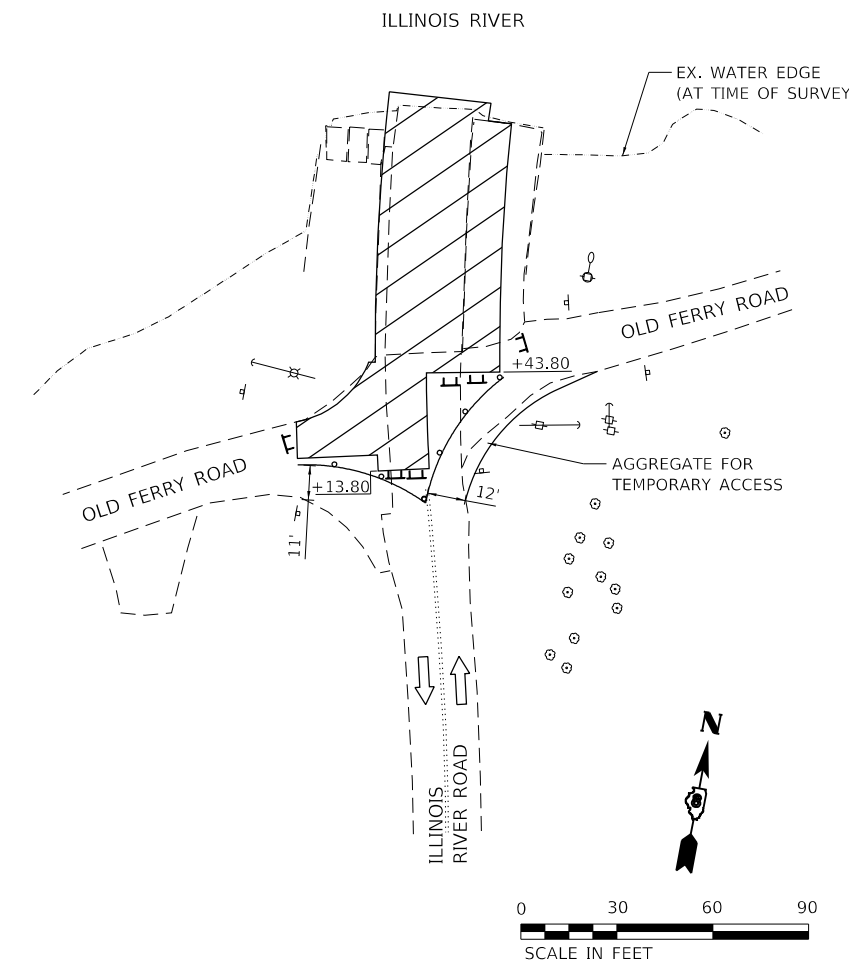
1. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF POSITIVE DRAINAGE, ADEQUATE EROSION CONTROL AND SEDIMENT CONTROL DURING ALL STAGES OF CONSTRUCTION. NO DIRECT PAYMENT WILL BE MADE FOR ANY TEMPORARY PIPES OR CULVERTS, TEMPORARY DITCHING, OR TEMPORARY RELOCATION OF EXISTING DRIVEWAY/ENTRANCE CULVERTS DETERMINED TO BE REQUIRED IN ORDER TO CONSTRUCT THE PROJECT.
2. ANY ADDITIONAL SIGNAGE REQUIRED FOR STAGE 3 AND AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE LUMP SUM ITEM OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
3. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH STANDARD 701901.

CONSTRUCTION

1. MILL AND OVERLAY SERPENTINE PARKING AREA AND LOWER PARKING LOT AS SHOWN IN THE PLANS.
2. CONSTRUCT AREAS OF CRC PAVEMENT AND HMA SHOULDERS AS SHOWN IN THE PLANS.
3. REMOVE EXISTING CABLE ROAD GUARD AND INSTALL NEW CABLE ROAD GUARD.
4. INSTALL NEW PAVEMENT MARKINGS IN AREAS OF OVERLAY
5. CONSTRUCT PORTION OF SOUTHERN BRUSSELS FERRY RAMP.
6. TRIM PROPOSED SHEET PILING TO FINAL GRADES.
7. TRIM EXISTING SHEET BELOW WATER SURFACE PER THE DIRECTION OF THE ENGINEER.
8. DISCONNECT POWER FROM SERVICE PANEL TO EXISTING MANUALLY CONTROLLED CONTACTOR AND REMOVE MANUALLY CONTROLLED CONTACTOR.
9. CONNECT POWER FROM THE SERVICE PANEL TO PROPOSED LIGHTING CONTROLLER AND INSTALL TWO LIGHT SWITCHES IN ELECTRIC ROOM WHERE THE MANUALLY CONTROLLED CONTACTOR WAS.
10. ALL TESTING AND ADJUSTMENT TO THE PROPOSED LIGHTING SYSTEM SHALL BE COMPLETED DURING STAGE 3.
11. PROPOSED LIGHTING SYSTEM SHALL BE OPERATIONAL AND ADJUSTED TO THE SATISFACTION OF THE ENGINEER PRIOR TO RE-OPENING OF BRUSSELS FERRY TO TRAFFIC IN STAGE 4.

TRAFFIC

1. BRUSSELS FERRY CAN BE CLOSED TO TRAFFIC FOR A MAXIMUM OF 8 CALENDAR DAYS - SEE FERRY RENTAL SPECIAL PROVISION
2. ACCESS TO OLD FERRY ROAD SHALL BE MAINTAINED AT ALL TIMES.
3. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.



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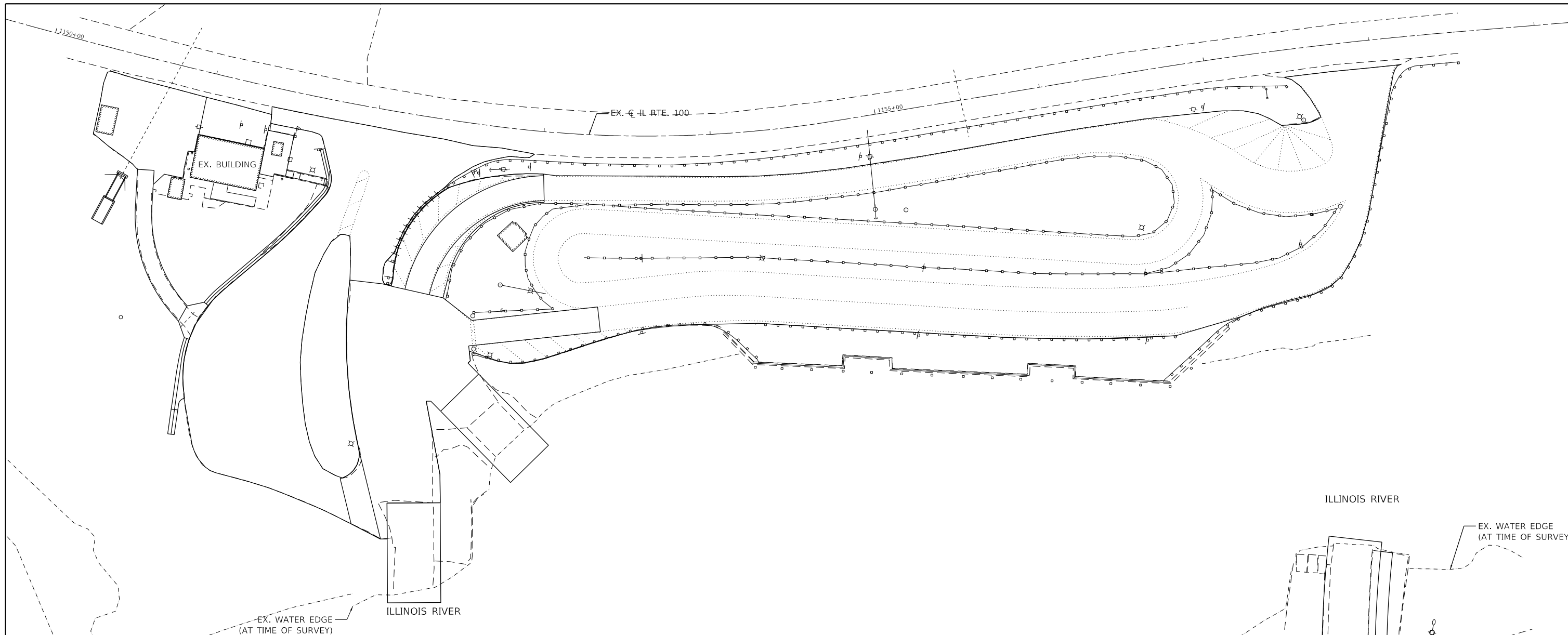
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 3
SCHEMATIC AND GENERAL NOTES**

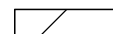
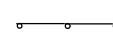


SCALE: 1" = 30' SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	25
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN



LEGEND

-  PROPOSED STAGE 4A CONSTRUCTION
-  DRUMS OR BARRICADES WITH STEADY BURNING WARNING LIGHTS
-  BARRICADE, TYPE III
-  DIRECTION OF TRAFFIC FLOW

NOTES:

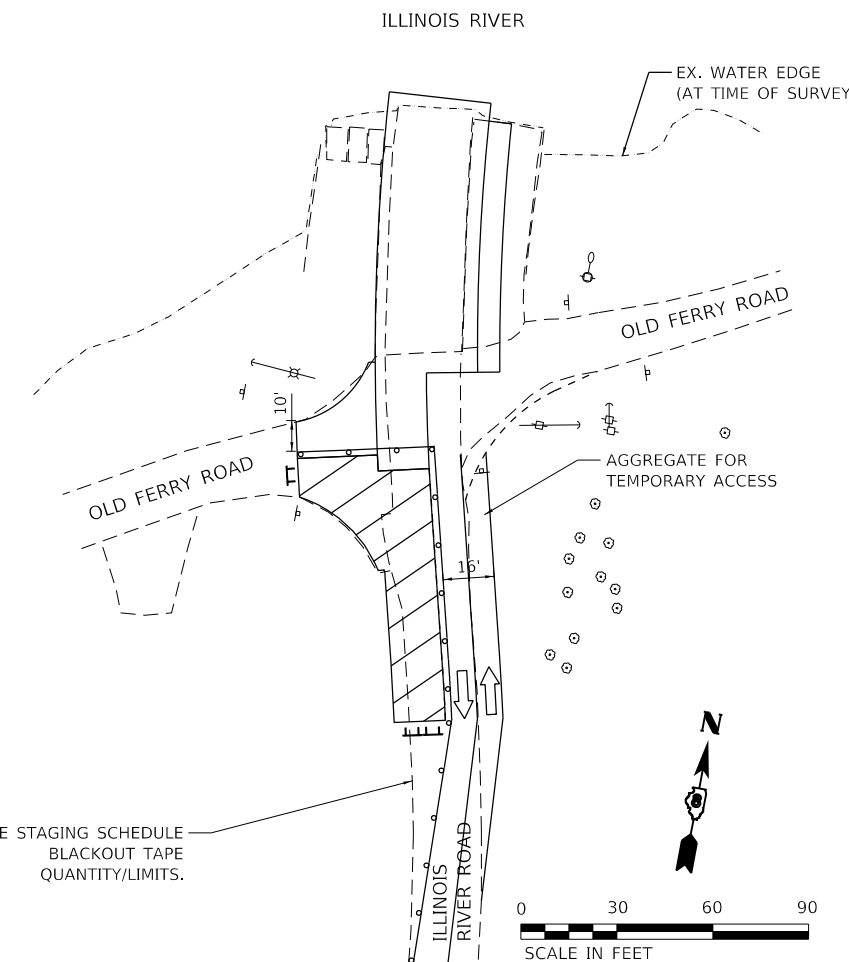
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2. ANY ADDITIONAL SIGNAGE REQUIRED FOR STAGE 4 AND AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE LUMP SUM ITEM OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
3. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH STANDARD 701901.

CONSTRUCTION

1. CONSTRUCT WEST HALF OF REMAINING SOUTH APPROACH (ALIGN 3).
2. REMOVE EXISTING LIGHT POLES AND FOUNDATIONS.

TRAFFIC

1. BRUSSELS FERRY SHALL BE/REMAIN OPERATIONAL.
2. ACCESS TO OLD FERRY ROAD SHALL BE MAINTAINED AT ALL TIMES.
3. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.



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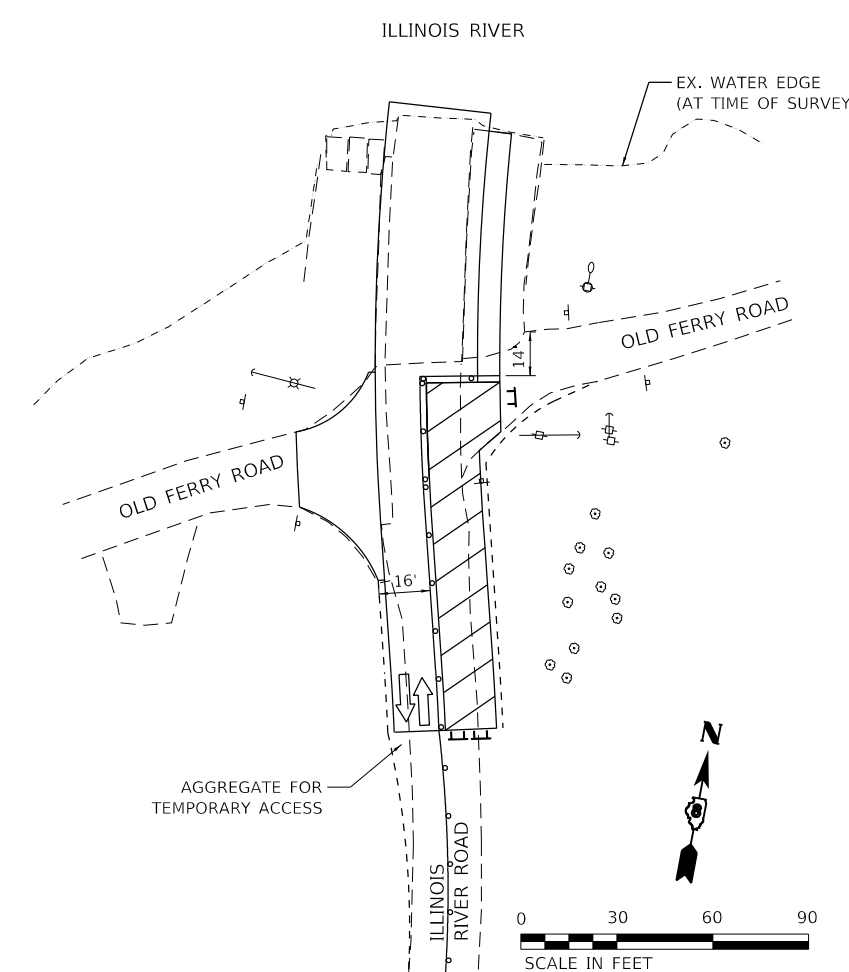
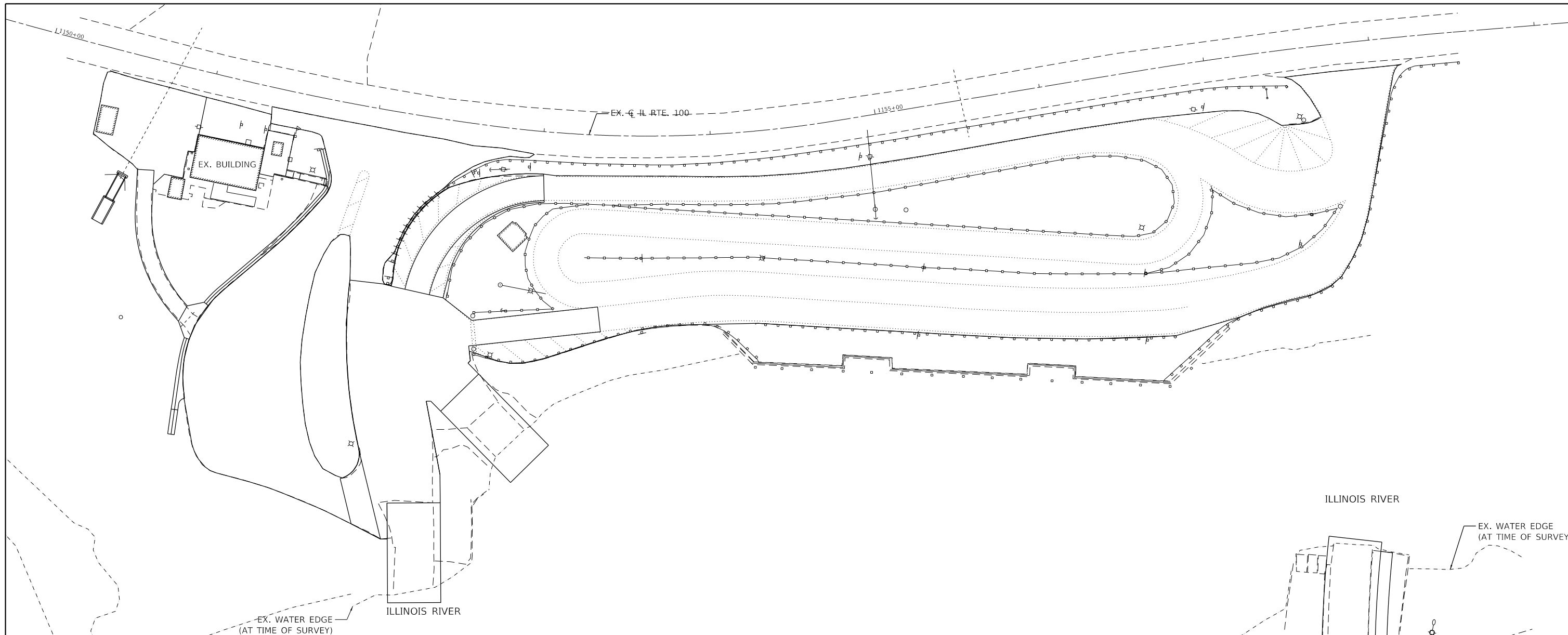
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE 4A
SCHEMATIC AND GENERAL NOTES**


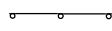


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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	26
CONTRACT NO. 76L56				

ILLINOIS FED. AID PROJECT * JERSEY & CALHOUN



LEGEND

-  PROPOSED STAGE 4B CONSTRUCTION
-  DRUMS OR BARRICADES WITH STEADY BURNING WARNING LIGHTS
-  BARRICADE, TYPE III
-  DIRECTION OF TRAFFIC FLOW

NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF POSITIVE DRAINAGE, ADEQUATE EROSION CONTROL AND SEDIMENT CONTROL DURING ALL STAGES OF CONSTRUCTION. NO DIRECT PAYMENT WILL BE MADE FOR ANY TEMPORARY PIPES OR CULVERTS, TEMPORARY DITCHING, OR TEMPORARY RELOCATION OF EXISTING DRIVEWAY/ENTRANCE CULVERTS DETERMINED TO BE REQUIRED IN ORDER TO CONSTRUCT THE PROJECT.
2. ANY ADDITIONAL SIGNAGE REQUIRED FOR STAGE 4 AND AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE LUMP SUM ITEM OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
3. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH STANDARD 701901.

CONSTRUCTION

1. CONSTRUCT EAST HALF OF REMAINING SOUTH APPROACH (ALIGN 3).

TRAFFIC

1. BRUSSELS FERRY SHALL BE/REMAIN OPERATIONAL.
2. ACCESS TO OLD FERRY ROAD SHALL BE MAINTAINED AT ALL TIMES.
3. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

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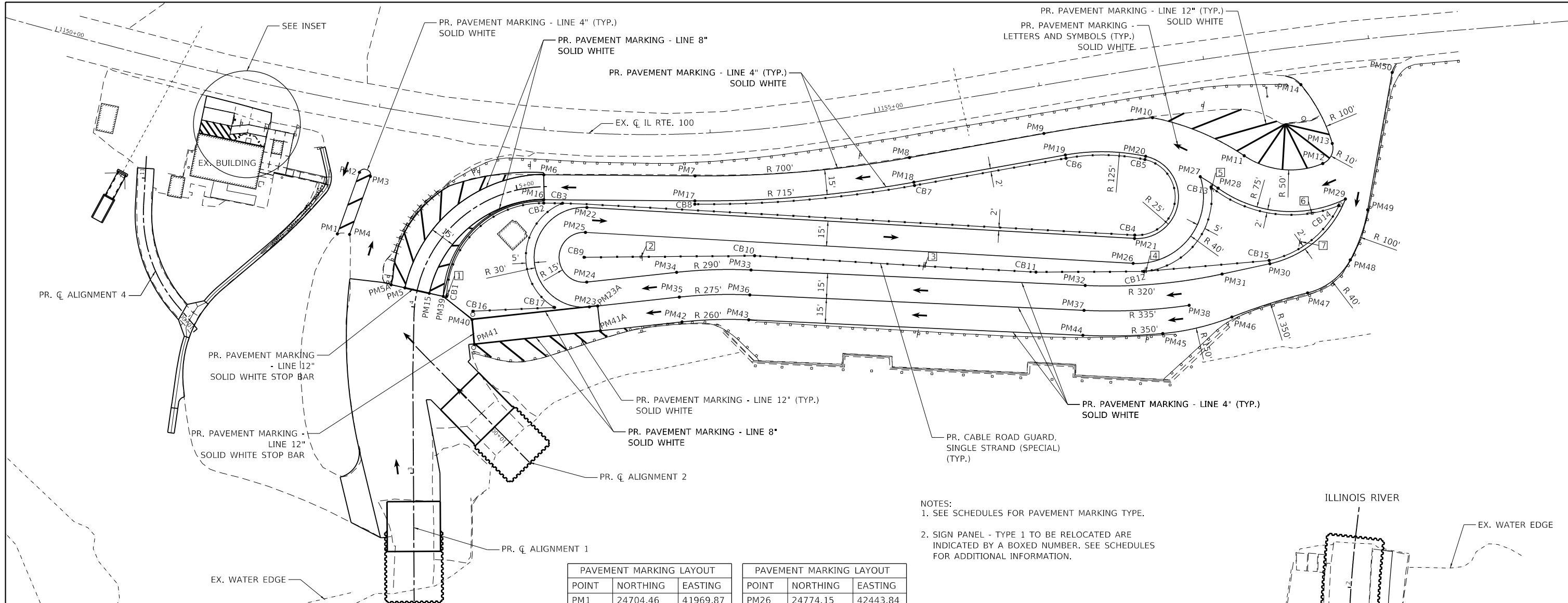
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

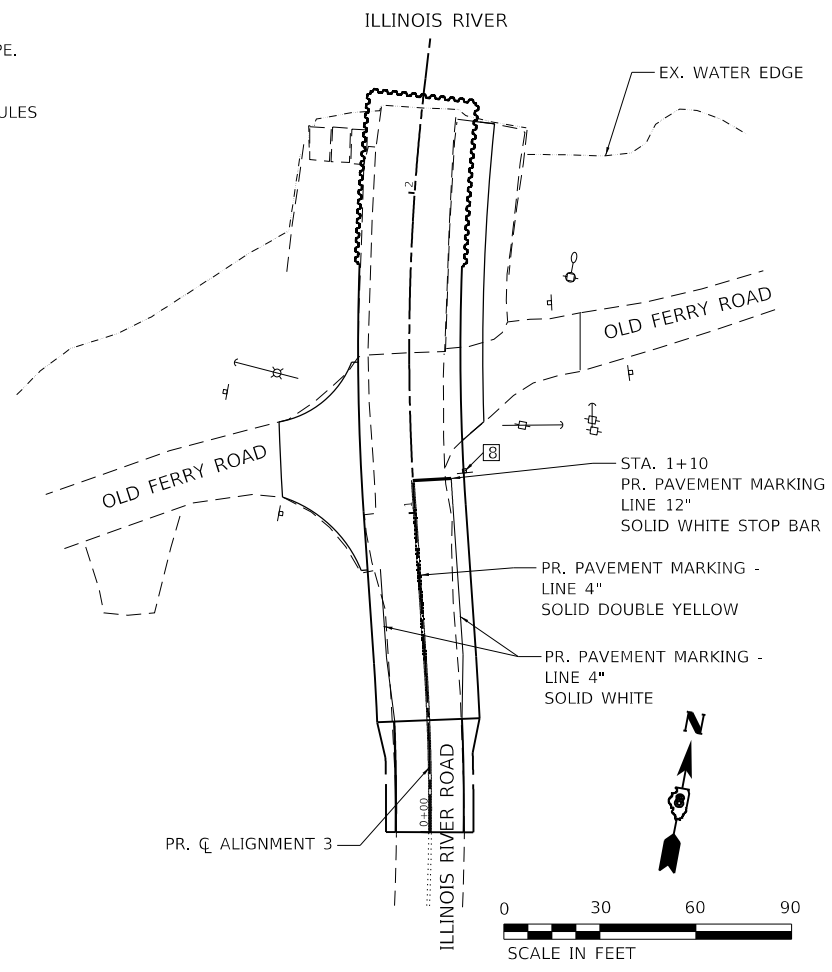
STAGE 4B SCHEMATIC AND GENERAL NOTES	
SCALE: 1" = 30'	SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	27
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN



- NOTES:
- SEE SCHEDULES FOR PAVEMENT MARKING TYPE.
 - SIGN PANEL - TYPE 1 TO BE RELOCATED ARE INDICATED BY A BOXED NUMBER. SEE SCHEDULES FOR ADDITIONAL INFORMATION.

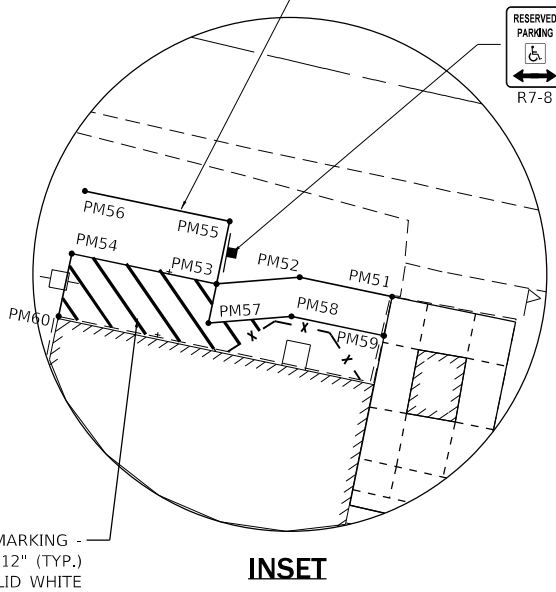


PAVEMENT MARKING LAYOUT		
POINT	NORTHING	EASTING
PM1	24704.46	41969.87
PM2	24743.29	41976.18
PM3	24742.06	41983.07
PM4	24705.48	41977.13
PM5	24679.93	42015.71
PM5A	24680.24	42007.21
PM6	24761.98	42085.47
PM7	24777.86	42174.98
PM8	24812.16	42299.76
PM9	24841.13	42376.55
PM10	24862.39	42439.06
PM11	24849.93	42497.43
PM12	24853.91	42544.72
PM13	24866.82	42548.17
PM14	24898.15	42523.17
PM15	24679.39	42030.70
PM16	24747.22	42088.15
PM17	24763.09	42177.60
PM18	24798.12	42305.05
PM19	24830.79	42391.63
PM20	24838.79	42439.21
PM21	24789.00	42441.67
PM22	24747.37	42114.47
PM23	24688.87	42126.87
PM23A	24690.30	42131.65
PM24	24703.24	42122.56
PM25	24732.49	42116.36

PAVEMENT MARKING LAYOUT		
POINT	NORTHING	EASTING
PM26	24774.15	42443.84
PM27	24832.71	42473.76
PM28	24827.89	42485.54
PM29	24835.42	42562.02
PM30	24788.87	42524.42
PM31	24777.54	42497.31
PM32	24755.81	42417.62
PM33	24728.36	42218.36
PM34	24718.85	42174.64
PM35	24704.49	42178.95
PM36	24713.50	42220.41
PM37	24740.95	42419.67
PM38	24755.47	42481.27
PM39	24679.09	42039.17
PM40	24668.47	42058.85
PM41	24654.04	42062.93
PM41A	24675.95	42136.00
PM42	24690.12	42183.26
PM43	24698.64	42222.46
PM44	24726.09	42421.71
PM45	24735.90	42468.76
PM46	24753.20	42507.80
PM47	24775.76	42549.94
PM48	24799.93	42571.58
PM49	24831.44	42576.42
PM50	24915.31	42575.79

CABLE ROAD GUARD (SPECIAL) LAYOUT		
POINT	NORTHING	EASTING
CB1	24679.41	42041.29
CB2	24745.25	42088.50
CB3	24747.22	42099.60
CB4	24791.02	42441.69
CB5	24836.79	42439.15
CB6	24828.92	42392.34
CB7	24796.25	42305.76
CB8	24761.13	42177.95
CB9	24717.61	42118.26
CB10	24737.18	42218.92
CB11	24758.31	42387.09
CB12	24770.48	42450.70
CB13	24827.78	42481.29
CB14	24830.86	42558.93
CB15	24790.71	42523.64
CB16	24673.58	42058.40
CB17	24684.70	42106.33

PAVEMENT MARKING LAYOUT		
POINT	NORTHING	EASTING
PM51	24759.00	41917.48
PM52	24759.28	41905.67
PM53	24756.56	41895.60
PM54	24757.00	41877.11
PM55	24764.55	41895.79
PM56	24764.99	41877.30
PM57	24751.56	41895.48
PM58	24754.54	41905.52
PM59	24754.00	41917.37
PM60	24749.00	41876.92



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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND SIGNAGE

SCALE: 1" = 30' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	28

CONTRACT NO. 76L56

ILLINOIS FED. AID PROJECT * JERSEY & CALHOUN

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**ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE**

GIVEN CONDITIONS

ROADWAY DATA	Lane Width	12 ft
	Number of Lanes (in One direction Only)	3
	Median Width	0 ft
	I.E.S. Surface Classification	R3
	Q-Zero Value	.07
LIGHT POLE DATA	Mounting Height	45 ft
	Luminaire Overhang From Edge of Pavement (White Line)	0 ft
LUMINAIRE DATA	Luminaire Type	LED
	Color Temperature	3000 k
	I.E.S. Vertical Distribution	Medium
	BUG Rating	U = 0
	I.E.S. Lateral Distribution	Type III
	Total Light Loss Factor	0.684
LAYOUT DATA	Spacing	185 ft
	Configuration	One Sided

NOTES:

- Total light loss factor is the product of "Lumen Depreciation" (LLD) = 0.90, "Dirt Depreciation" (LDF) = 0.80, and "Equipment factors" (EF) = 0.95.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINANCE	Average Illuminance, E_{AVE}	<u>≥ 0.9 fc</u>
	Uniformity Ratio, E_{AVE}/E_{MIN}	<u>$\leq 3.0:1$</u>
LUMINANCE	Average Luminance, L_{AVE}	<u>≥ 0.6 cd/m²</u>
	Uniformity Ratio, L_{AVE}/L_{MIN}	<u>$\leq 3.5:1$</u>
	Uniformity Ratio, L_{MAX}/L_{MIN}	<u>$\leq 6.0:1$</u>
	Max. Veiling Luminance Ratio, L_v/L_{AVE}	<u>$\leq 0.3:1$</u>

SCHEDULE OF QUANTITIES			
PAY ITEM	DESCRIPTION	UNIT	QUANTITY
80300100	LOCATING UNDERGROUND CABLE	FOOT	761
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC, 2" DIA.	FOOT	1087
81603010	UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO. 10 GND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	565
81603063	UNIT DUCT, 600V, 4-1C NO. 10, 1/C NO. 10 GND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	560
	LIGHTING CONTROLLER, WALL MOUNTED, 240V, 100 AMP	EACH	1
83060440	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 4 FT. MAST ARM	EACH	1
83060400	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 12 FT. MAST ARM	EACH	3
	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 12 FT. MAST ARM -TWIN	EACH	4
	LIGHT POLE, GALVANIZED STEEL, 45 FT. M.H., 12 FT. AND 4 FT. MAST ARM -TWIN	EACH	1
83600358	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 8'	EACH	9
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	7
84200804	REMOVAL OF POLE FOUNDATION	EACH	7
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
82110008	LED, ROADWAY, H, LUMINAIRE	EACH	14

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PLOT DATE = 1/17/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRUSSEL'S FERRY SEA WALL AND ENTRANCE
LUMINAIRE PERFORMANCE TABLE &
SCHEDULE OF QUANTITIES**

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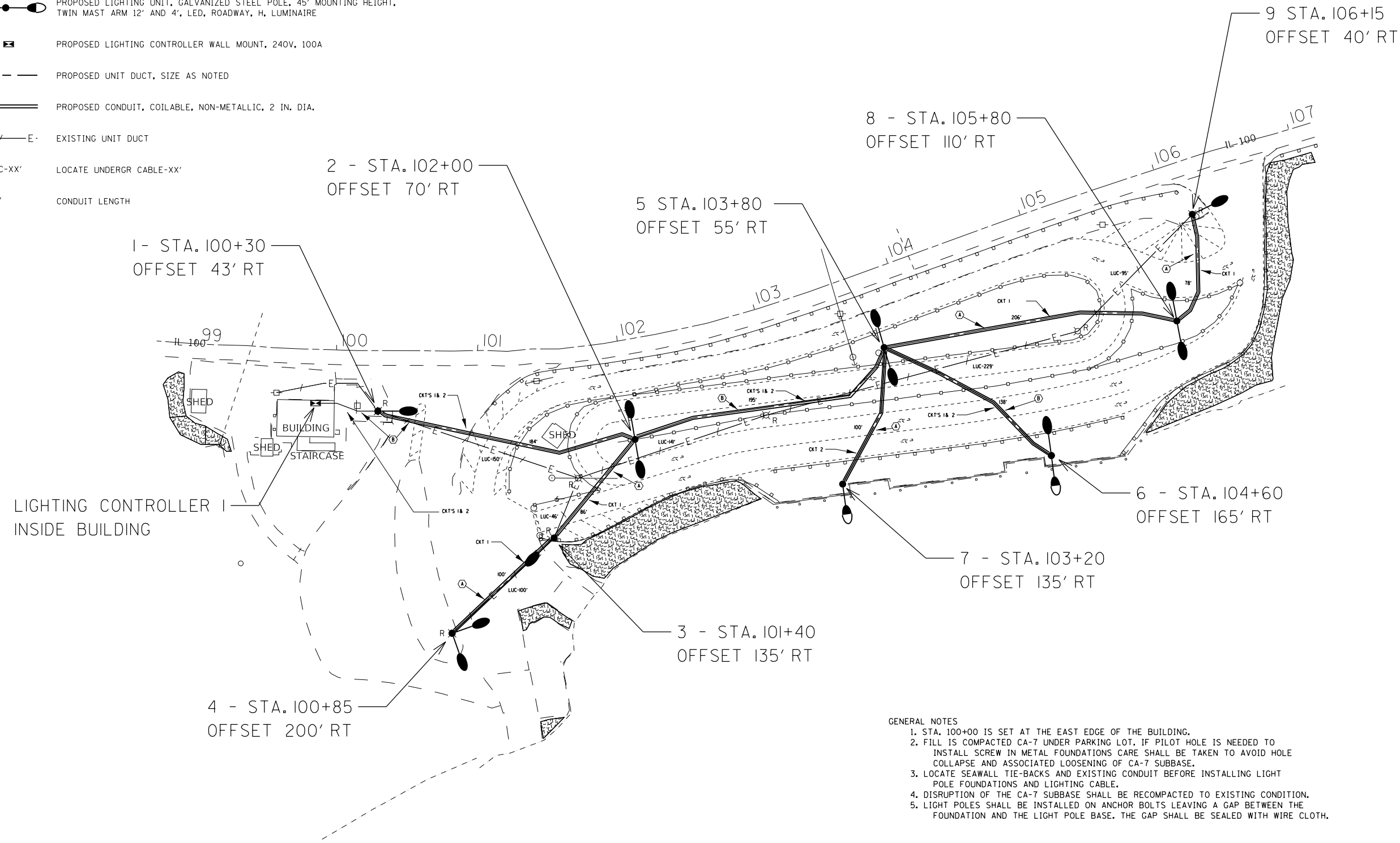
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	Jersey	84	29
			CONTRACT NO. 76L56	
		ILLINOIS FED. AID PROJECT		

LEGEND

WIRE LEGEND

- EXISTING LIGHTING UNIT TO BE REMOVED
- PROPOSED LIGHTING UNIT, GALVANIZED STEEL POLE, 45' MOUNTING HEIGHT, 12' MAST ARM, LED, ROADWAY, H, LUMINAIRE
- PROPOSED LIGHTING UNIT, GALVANIZED STEEL POLE, 45' MOUNTING HEIGHT, 4' MAST ARM, LED, ROADWAY, H, LUMINAIRE
- PROPOSED LIGHTING UNIT, GALVANIZED STEEL POLE, 45' MOUNTING HEIGHT, TWIN 12' MAST ARM, LED, ROADWAY, H, LUMINAIRE
- PROPOSED LIGHTING UNIT, GALVANIZED STEEL POLE, 45' MOUNTING HEIGHT, TWIN MAST ARM 12' AND 4', LED, ROADWAY, H, LUMINAIRE
- PROPOSED LIGHTING CONTROLLER WALL MOUNT, 240V, 100A
- PROPOSED UNIT DUCT, SIZE AS NOTED
- PROPOSED CONDUIT, COILABLE, NON-METALLIC, 2 IN. DIA.
- EXISTING UNIT DUCT
- LUC-XX' LOCATE UNDERGR CABLE-XX'
- XX' CONDUIT LENGTH

- UNIT DUCT, 600V, 2-1C NO. 10 AND 1/C NO. 10 GND, (XLP-TYPE USE)
- UNIT DUCT, 600V, 4-1C NO. 10 AND 1/C NO. 10 GND, (XLP-TYPE USE)



- GENERAL NOTES
1. STA. 100+00 IS SET AT THE EAST EDGE OF THE BUILDING.
 2. FILL IS COMPACTED CA-7 UNDER PARKING LOT. IF PILOT HOLE IS NEEDED TO INSTALL SCREW IN METAL FOUNDATIONS CARE SHALL BE TAKEN TO AVOID HOLE COLLAPSE AND ASSOCIATED LOOSENING OF CA-7 SUBBASE.
 3. LOCATE SEAWALL TIE-BACKS AND EXISTING CONDUIT BEFORE INSTALLING LIGHT POLE FOUNDATIONS AND LIGHTING CABLE.
 4. DISRUPTION OF THE CA-7 SUBBASE SHALL BE RECOMPACTED TO EXISTING CONDITION.
 5. LIGHT POLES SHALL BE INSTALLED ON ANCHOR BOLTS LEAVING A GAP BETWEEN THE FOUNDATION AND THE LIGHT POLE BASE. THE GAP SHALL BE SEALED WITH WIRE CLOTH.

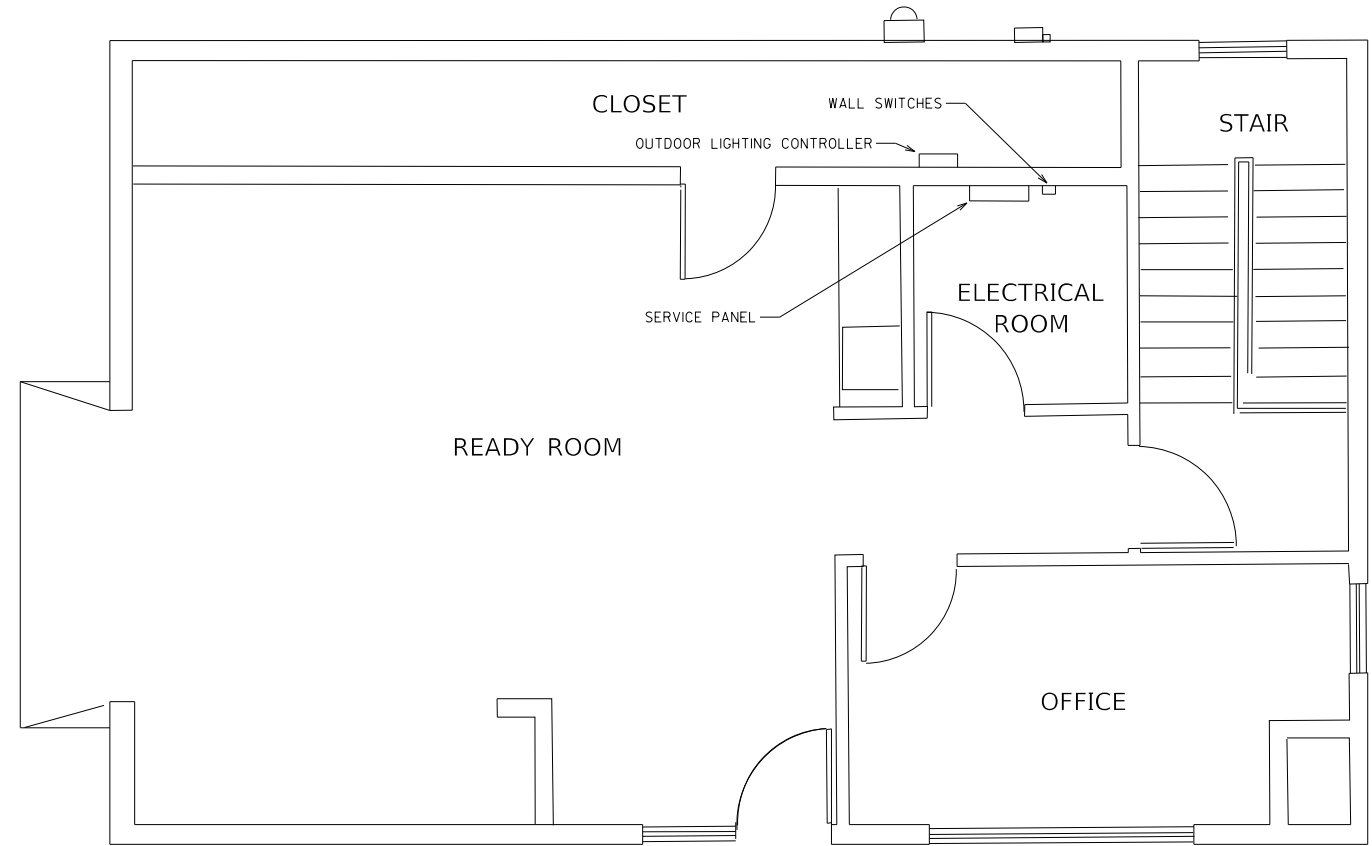
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

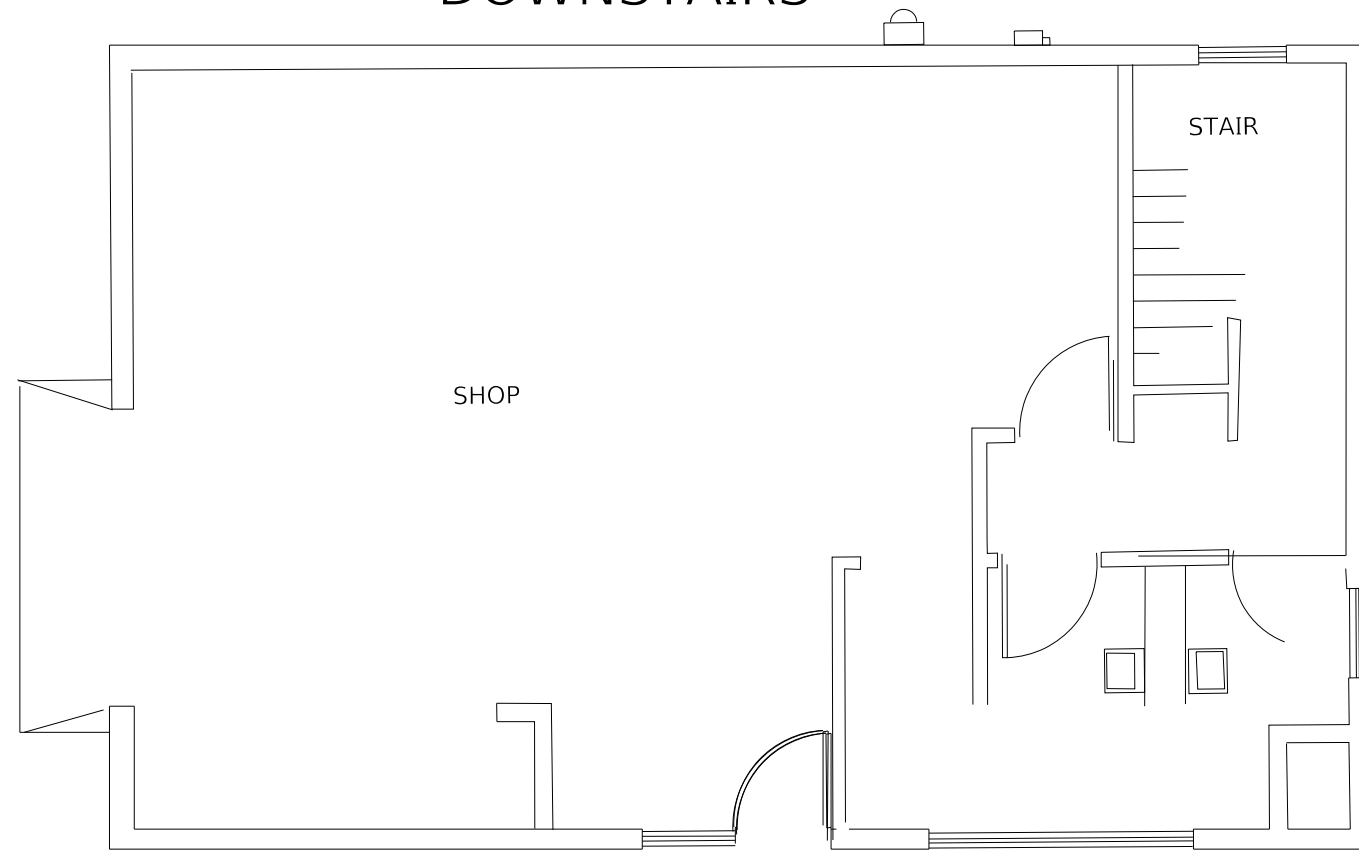
BRUSSEL'S FERRY SEA WALL AND ENTRANCE LIGHTING PLAN	
SCALE:	SHEET LTG002 OF 005 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	Jersey	84	30
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				



UPSTAIRS

DOWNSTAIRS



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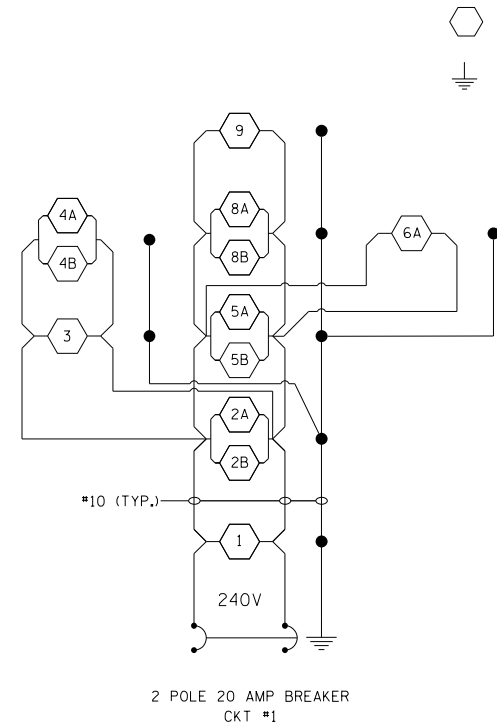
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSSEL'S FERRY
TERMINAL BUILDING
(N.T.S.)

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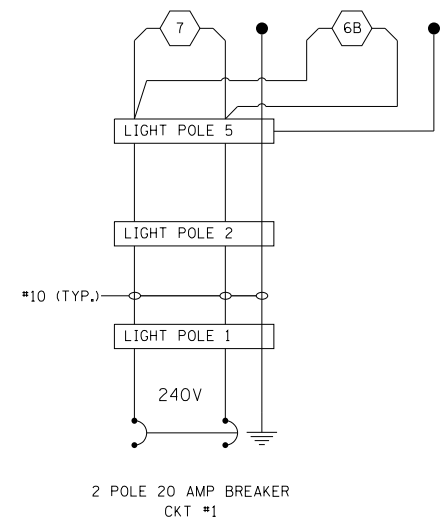
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304	119-I-4	Jersey	84	31
CONTRACT NO. 76L56			ILLINOIS FED. AID PROJECT	

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LIGHTING CONTROLLER 1
 CKT 1

PROPOSED LED LUMINAIRE
 GROUND ROD



LIGHTING CONTROLLER 1
 CKT 2

- NOTES:
1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

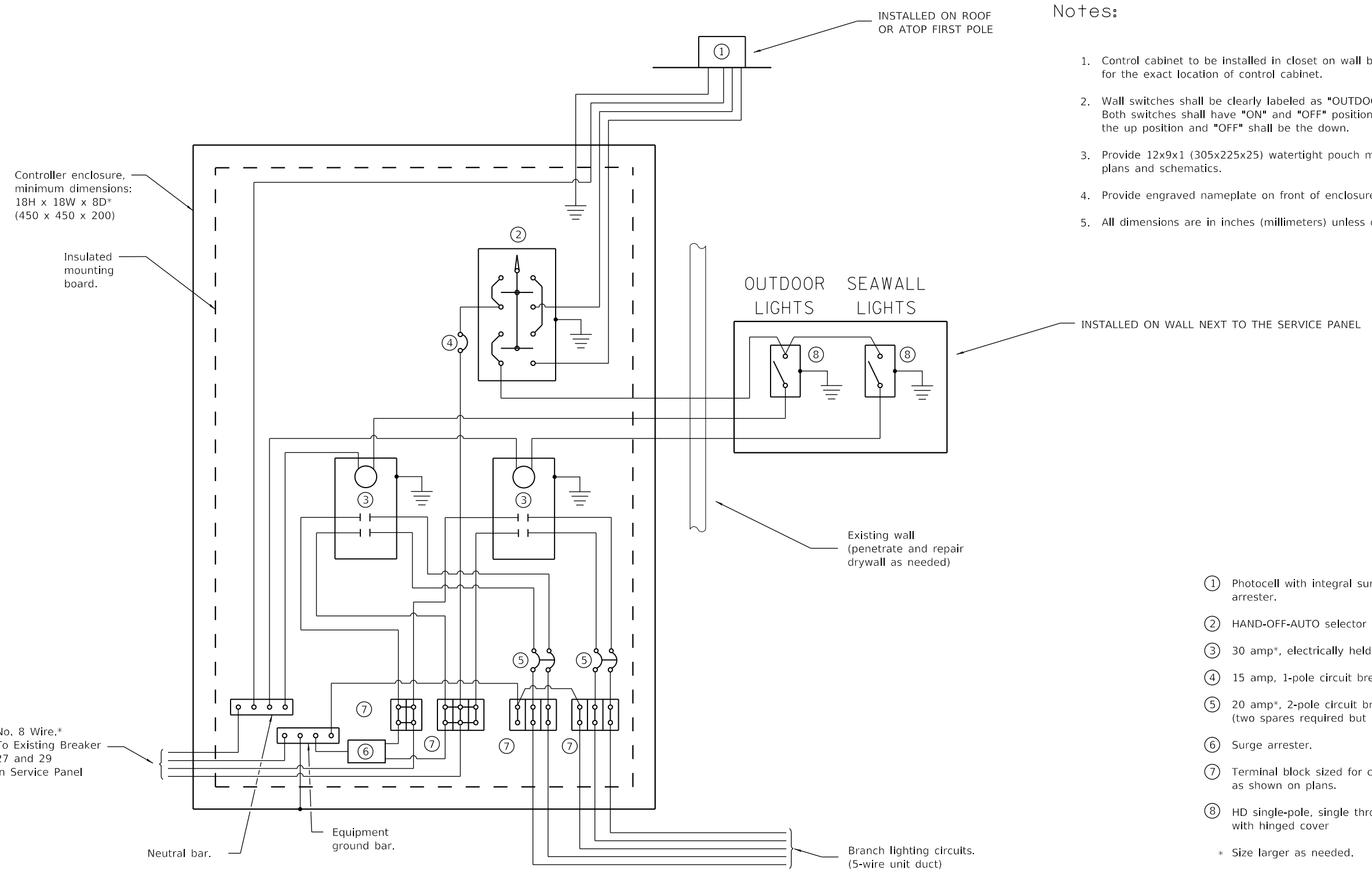
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BRUSSEL'S FERRY
 SEA WALL AND ENTRANCE
 CIRCUIT DIAGRAM**

SCALE: SHEET LTG004 OF 005 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	Jersey	84	32
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				



Notes:

1. Control cabinet to be installed in closet on wall behind service panel. Consult Engineer for the exact location of control cabinet.
2. Wall switches shall be clearly labeled as "OUTDOOR LIGHTS" and "SEAWALL LIGHTS". Both switches shall have "ON" and "OFF" positions clearly identified. "ON" shall be the up position and "OFF" shall be the down.
3. Provide 12x9x1 (305x225x25) watertight pouch mounted inside controller door with as-built plans and schematics.
4. Provide engraved nameplate on front of enclosure reading "LIGHTING".
5. All dimensions are in inches (millimeters) unless otherwise shown.

- ① Photocell with integral surge arrester.
 - ② HAND-OFF-AUTO selector switch.
 - ③ 30 amp*, electrically held contactor.
 - ④ 15 amp, 1-pole circuit breaker.
 - ⑤ 20 amp*, 2-pole circuit breaker (two spares required but not shown).
 - ⑥ Surge arrester.
 - ⑦ Terminal block sized for conductors as shown on plans.
 - ⑧ HD single-pole, single throw switch with hinged cover
- * Size larger as needed.

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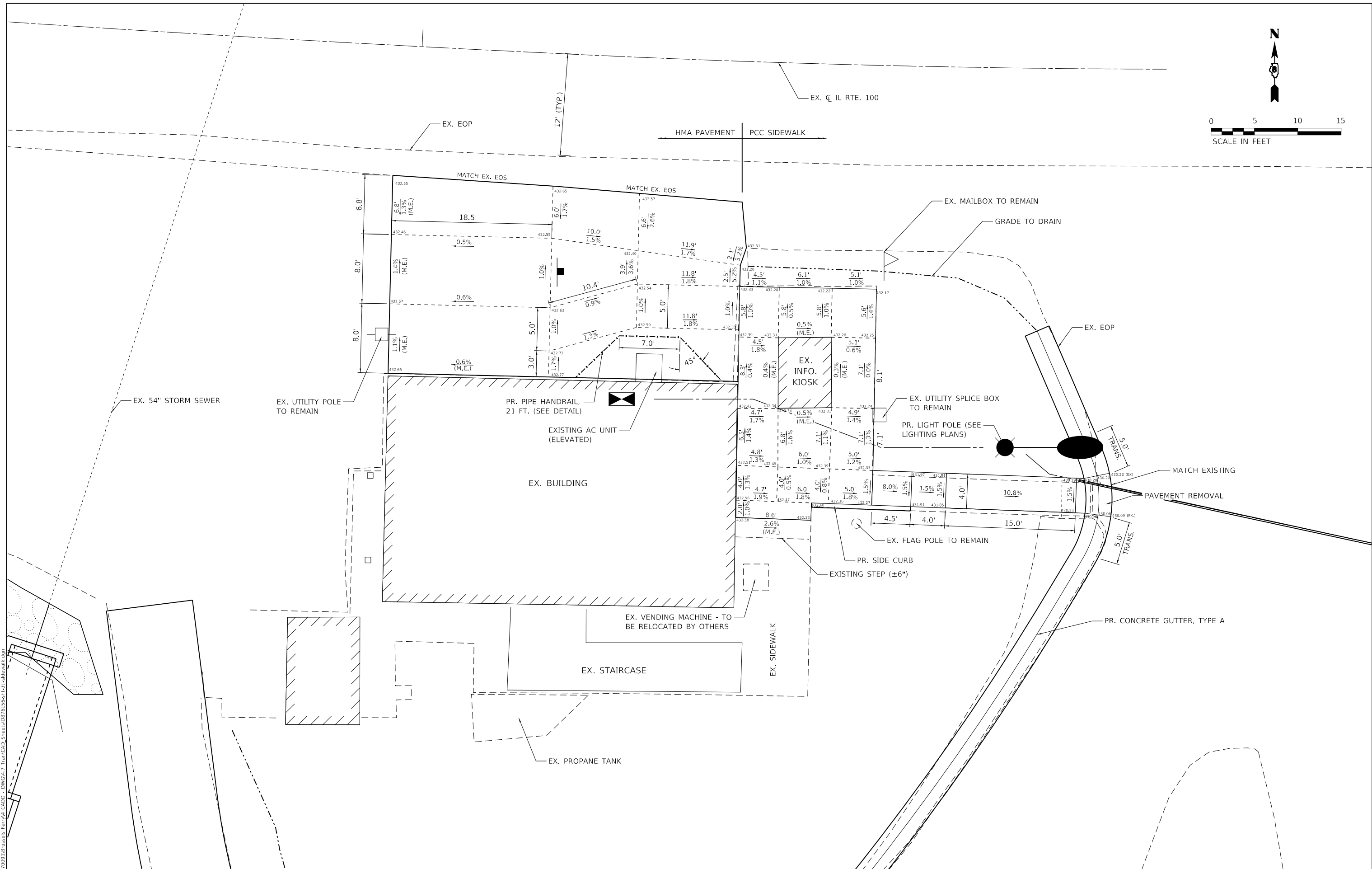
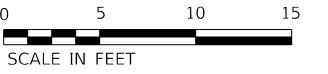
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRUSSEL'S FERRY
OUTDOOR LIGHTING CONTROL SCHEMATIC

SCALE: SHEET LTG005 OF 005 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	Jersey	84	33
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				



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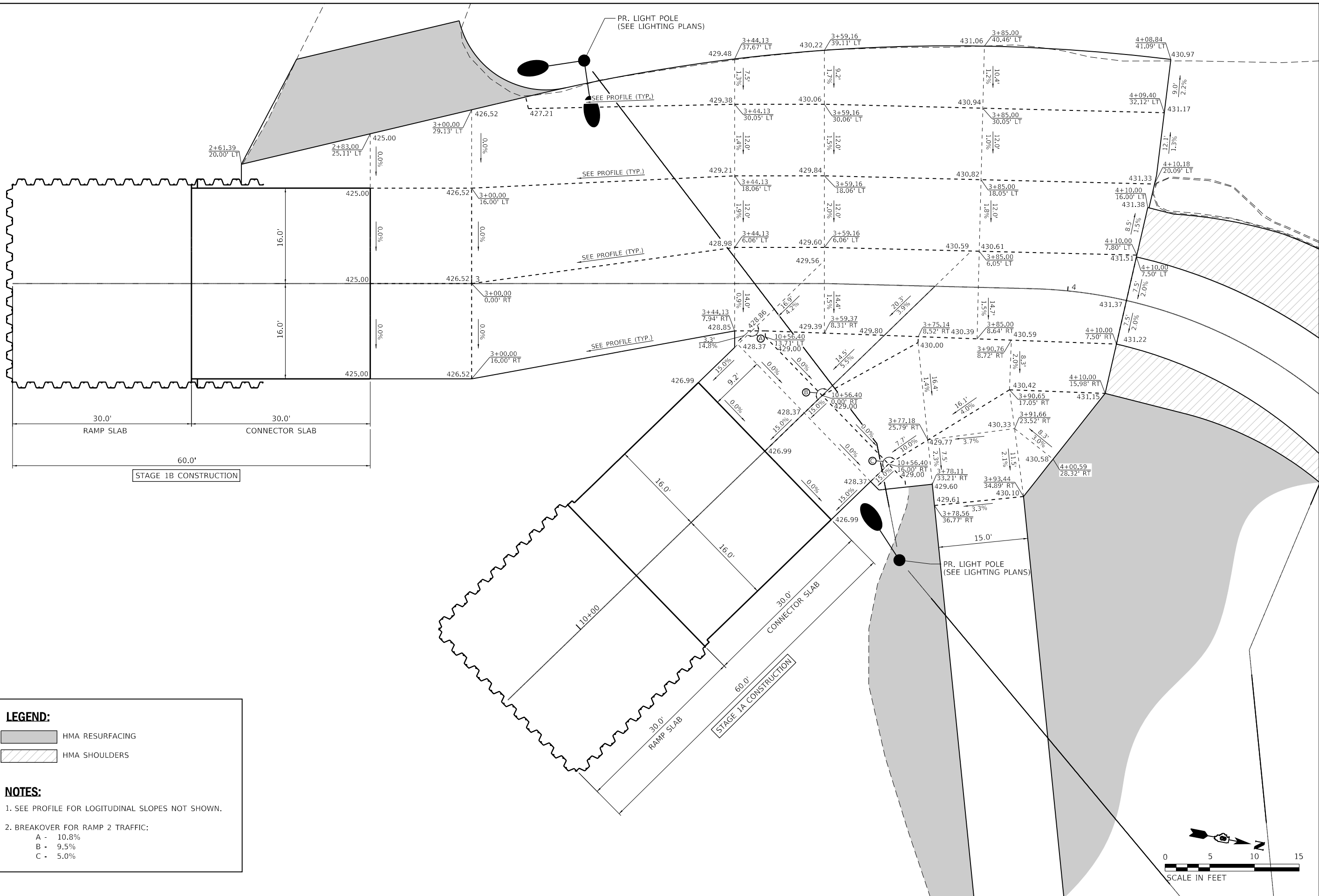
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK AND ADA PARKING STALL DETAIL



SCALE: 1" = 5' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	34
CONTRACT NO. 76L56				

* JERSEY & CALHOUN



LEGEND:

 HMA RESURFACING
 HMA SHOULDERS

NOTES:

1. SEE PROFILE FOR LOGITUDINAL SLOPES NOT SHOWN.

2. BRAKEOVER FOR RAMP 2 TRAFFIC:

A - 10.8%

B - 9.5%

C - 5.0%

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

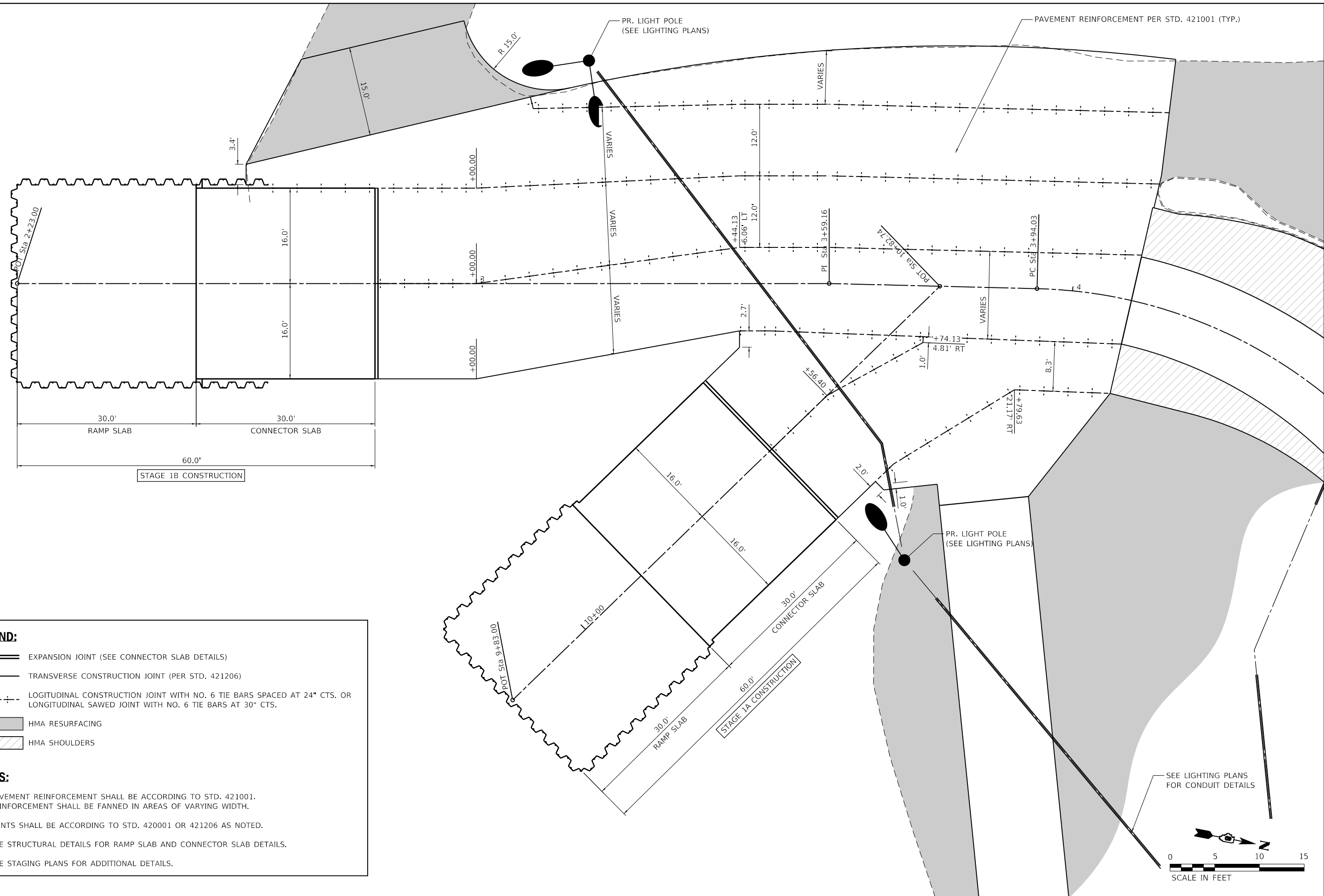
INTERSECTION ELEVATION DETAIL

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	35
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

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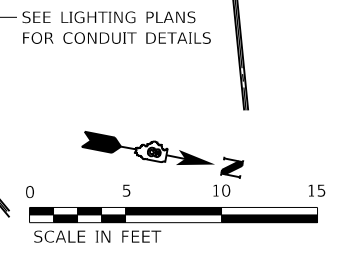


LEGEND:

- EXPANSION JOINT (SEE CONNECTOR SLAB DETAILS)
- TRANSVERSE CONSTRUCTION JOINT (PER STD. 421206)
- LOGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS SPACED AT 24" CTS. OR LONGITUDINAL SAWED JOINT WITH NO. 6 TIE BARS AT 30" CTS.
- HMA RESURFACING
- HMA SHOULDERS

NOTES:

1. PAVEMENT REINFORCEMENT SHALL BE ACCORDING TO STD. 421001. REINFORCEMENT SHALL BE FANNED IN AREAS OF VARYING WIDTH.
2. JOINTS SHALL BE ACCORDING TO STD. 420001 OR 421206 AS NOTED.
3. SEE STRUCTURAL DETAILS FOR RAMP SLAB AND CONNECTOR SLAB DETAILS.
4. SEE STAGING PLANS FOR ADDITIONAL DETAILS.



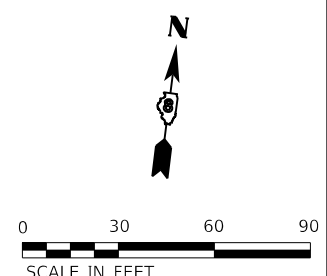
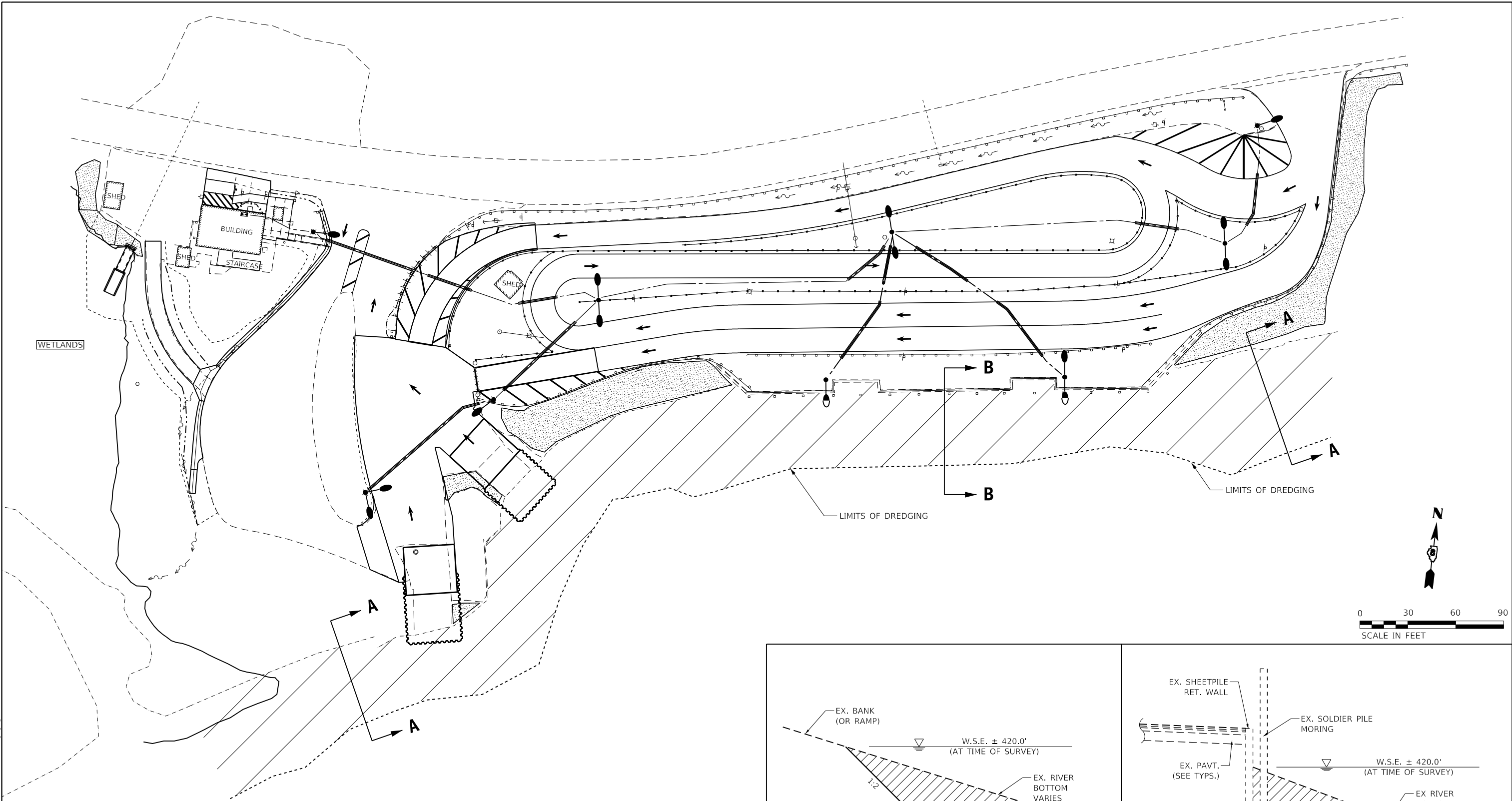
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

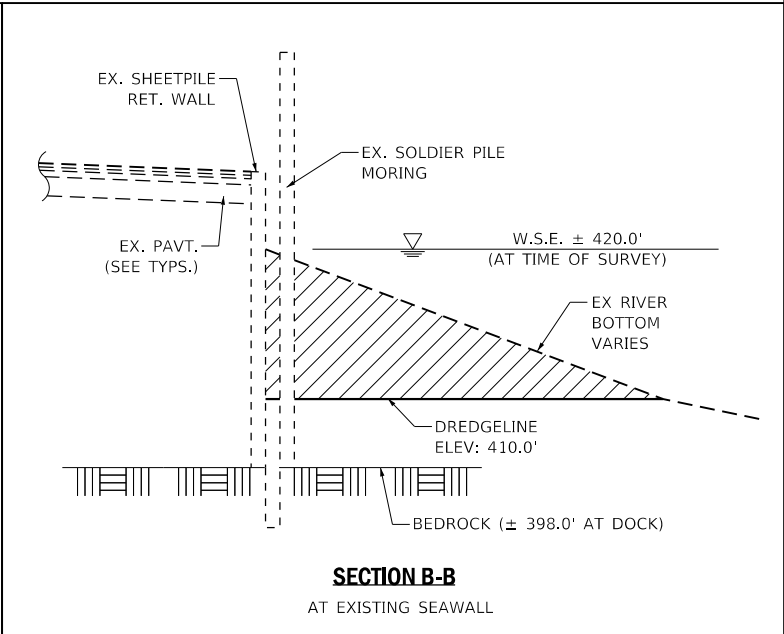
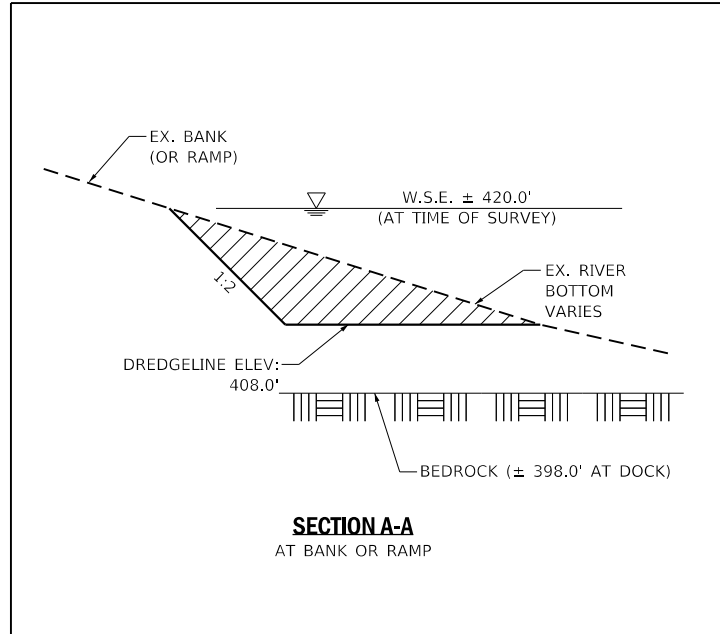
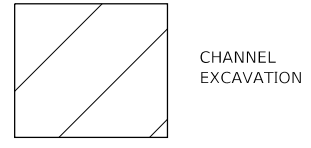
INTERSECTION JOINT DETAIL			
SCALE: 1" = 7.5'	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 36
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN



- NOTES:**
1. SEE SCHEDULES FOR QUANTITIES.
 2. DREDGING TO BE COMPLETED AFTER NORTH RAMPS ARE COMPLETE.
 3. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.



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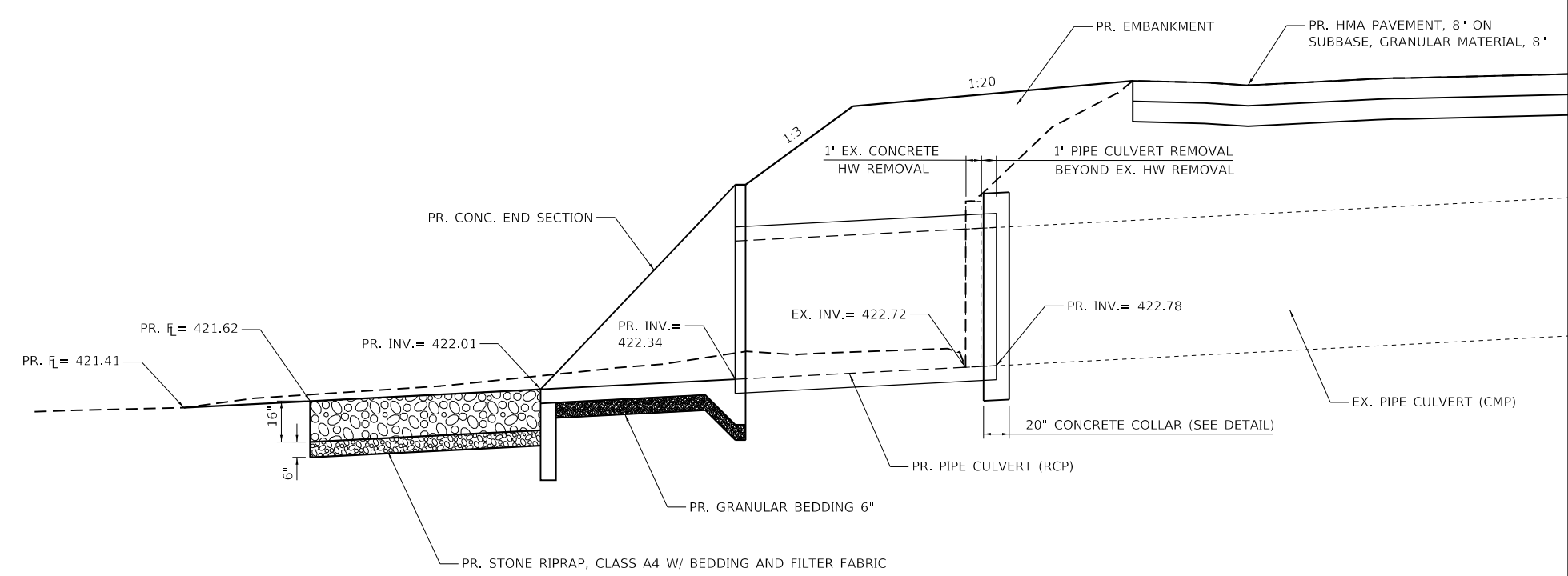
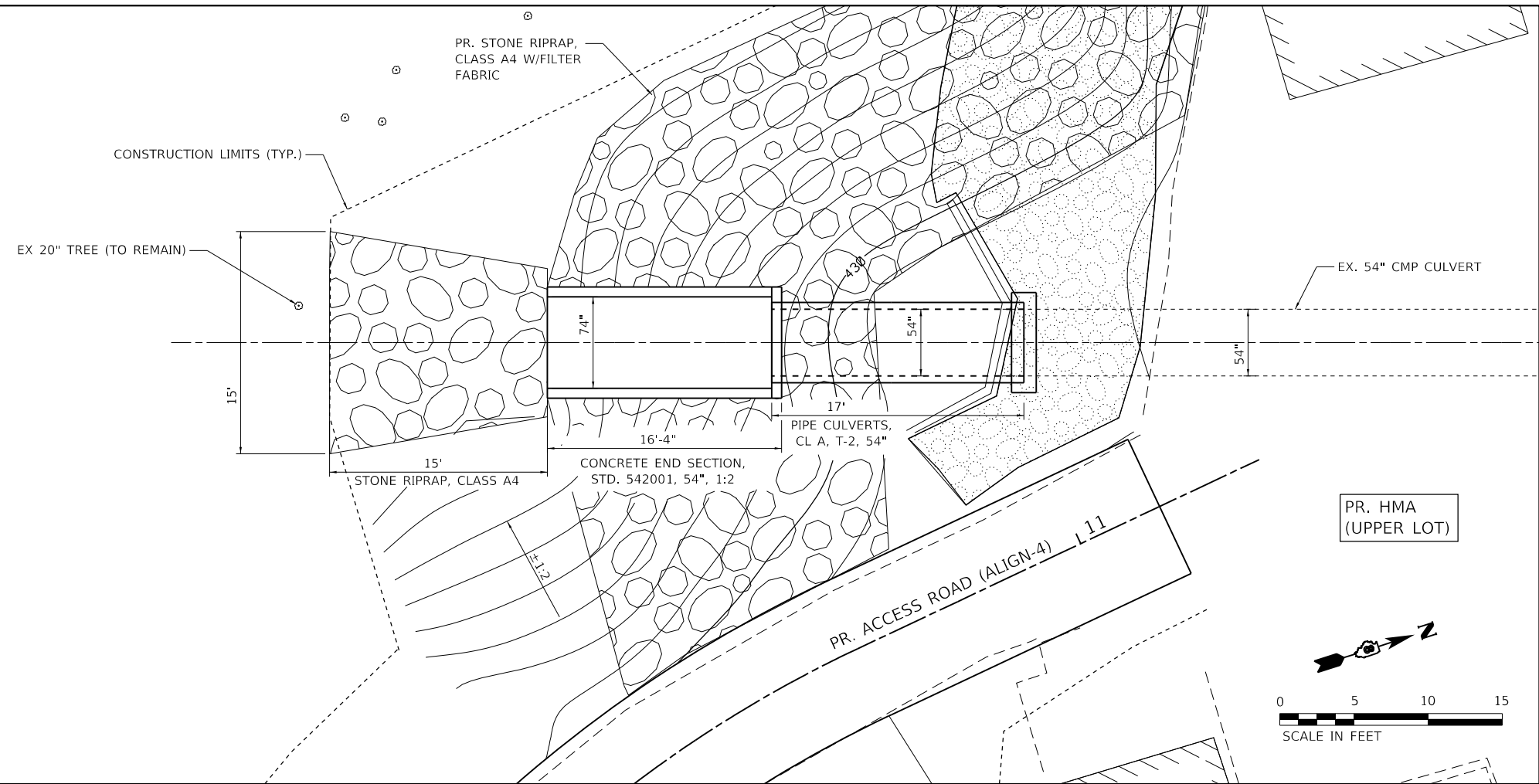
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DREDGING DETAIL

SCALE: 1" = 30' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	37
CONTRACT NO. 76L56				

ILLINOIS FED. AID PROJECT * JERSEY & CALHOUN



NOTES:

1. SEE STANDARD 542001 FOR END SECTION DETAILS NOT SHOWN.
2. SEE CONCRETE COLLAR DETAIL FOR DETAILS NOT SHOWN.
3. SEE SCHEDULES FOR QUANTITIES.

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PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

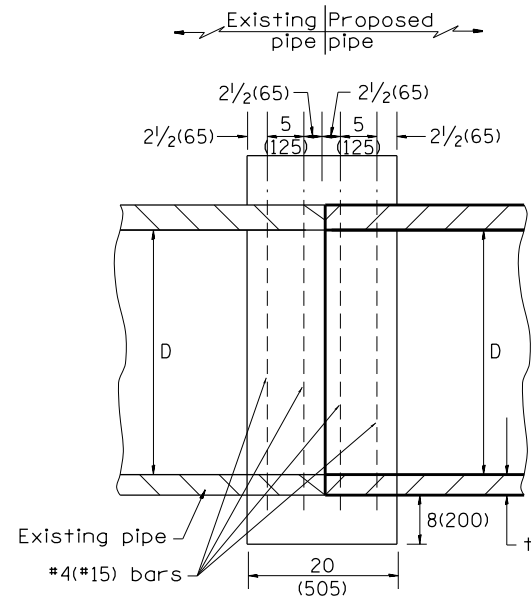
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CULVERT EXTENSION DETAIL

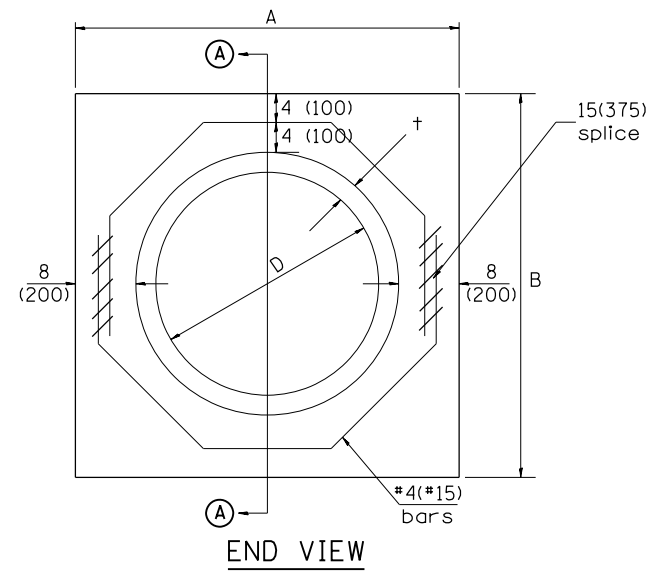
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	38
CONTRACT NO. 76L56				

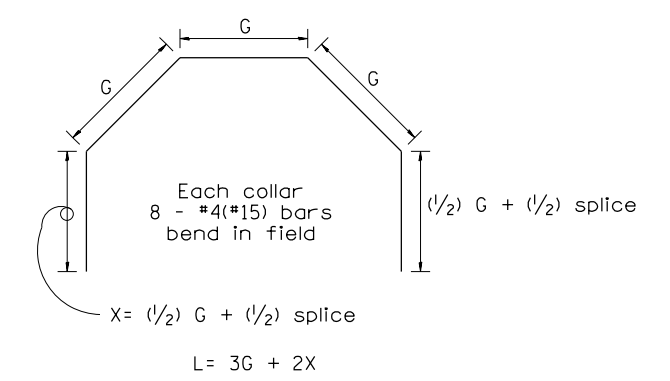
* JERSEY & CALHOUN



SECTION A - A



END VIEW



Each Collar								
					Reinforcement Bars			
D	t	A	B	CL. SI CONC.	G	X	L	Weight
in (mm)	in (mm)	ft (m)	ft (m)	cu. yd. (m ³)	in (mm)	in (mm)	ft (m)	lb (kg)
12 (300)	2.00 (51)	2.67 (0.814)	2.67 (0.814)	0.4 (0.270)	9 ¹⁵ / ₁₆ (253)	12 ⁷ / ₁₆ (317)	4.57 (1.393)	24 (11)
15 (375)	2.25 (57)	2.96 (0.902)	2.96 (0.902)	0.4 (0.315)	11 ³ / ₈ (290)	13 ³ / ₁₆ (335)	5.05 (1.541)	27 (12)
18 (450)	2.50 (64)	3.25 (0.991)	3.25 (0.991)	0.5 (0.362)	12 ¹³ / ₁₆ (327)	13 ⁷ / ₈ (354)	5.54 (1.689)	30 (14)
21 (525)	2.75 (70)	3.54 (1.079)	3.54 (1.079)	0.5 (0.411)	14 ¹ / ₄ (364)	14 ⁵ / ₈ (372)	6.02 (1.836)	32 (15)
24 (600)	3.00 (76)	3.83 (1.167)	3.84 (1.167)	0.6 (0.460)	15 ¹¹ / ₁₆ (401)	15 ⁵ / ₁₆ (391)	6.51 (1.984)	35 (16)
27 (675)	3.25 (83)	4.13 (1.259)	4.13 (1.259)	0.7 (0.516)	17 ¹ / ₄ (438)	16 ¹ / ₁₆ (409)	6.99 (2.131)	37 (17)
30 (750)	3.50 (89)	4.42 (1.347)	4.42 (1.347)	0.7 (0.570)	18 ¹¹ / ₁₆ (475)	16 ³ / ₄ (428)	7.48 (2.279)	40 (18)
33 (825)	3.75 (95)	4.71 (1.436)	4.71 (1.436)	0.8 (0.624)	20 ¹ / ₈ (512)	17 ¹ / ₂ (446)	7.96 (2.426)	43 (19)
36 (900)	4.00 (102)	5.00 (1.524)	5.00 (1.524)	0.9 (0.682)	21 ⁹ / ₁₆ (549)	18 ³ / ₁₆ (465)	8.44 (2.574)	45 (20)
42 (1050)	4.50 (114)	5.58 (1.701)	5.58 (1.701)	1.0 (.800)	24 ⁷ / ₁₆ (622)	19 ³ / ₄ (501)	9.41 (2.869)	50 (23)
48 (1200)	5.00 (127)	6.17 (1.881)	6.17 (1.881)	1.2 (0.930)	27 ⁵ / ₁₆ (696)	21 ³ / ₁₆ (538)	10.38 (3.164)	55 (25)
54	5.50	6.75	6.75	1.4	30 3/16	24 1/4	11.59	62

GENERAL NOTES

1. THE COLLAR SHALL BE CONSTRUCTED ENTIRELY OF CLASS SI CONCRETE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 503 OF THE STANDARD SPECIFICATIONS. REINFORCEMENT BARS SHALL CONFORM TO SECTION 508.
2. This work shall be paid for by the cubic yard (cubic meter) for CONCRETE COLLAR and by the pound (kg) for REINFORCEMENT BARS.

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

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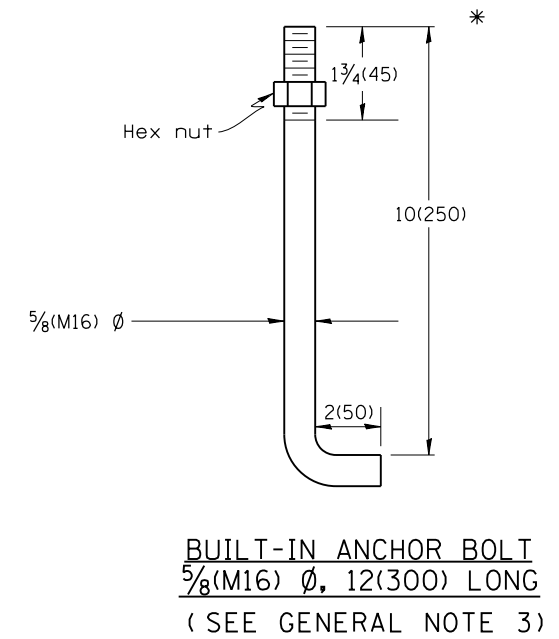
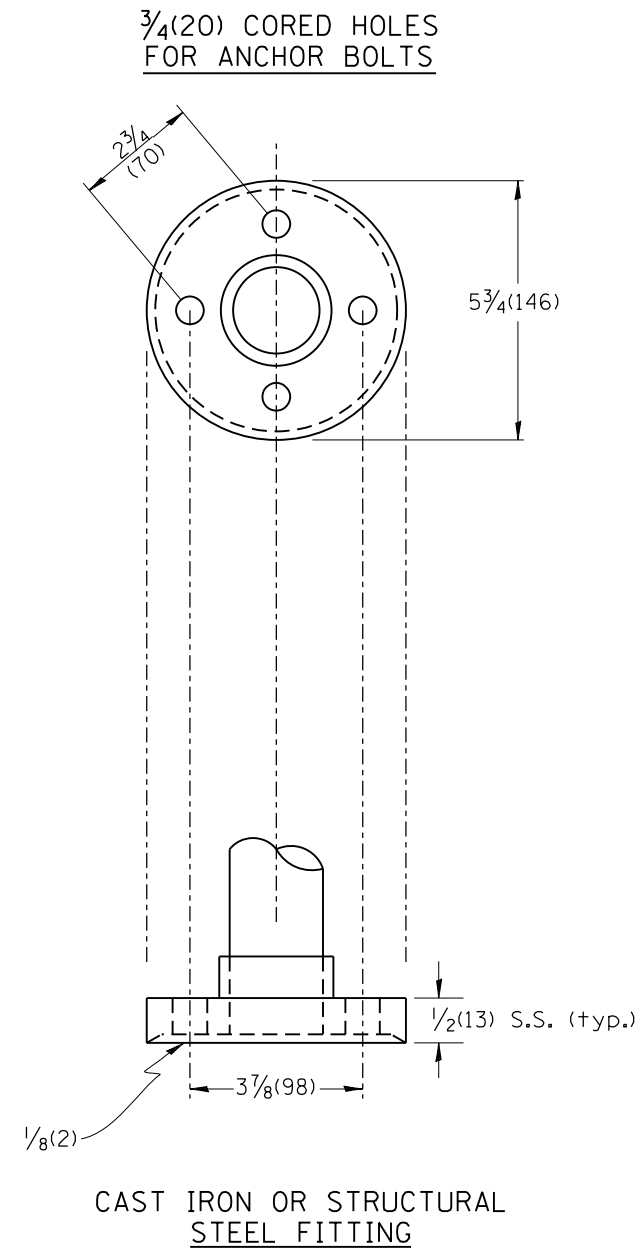
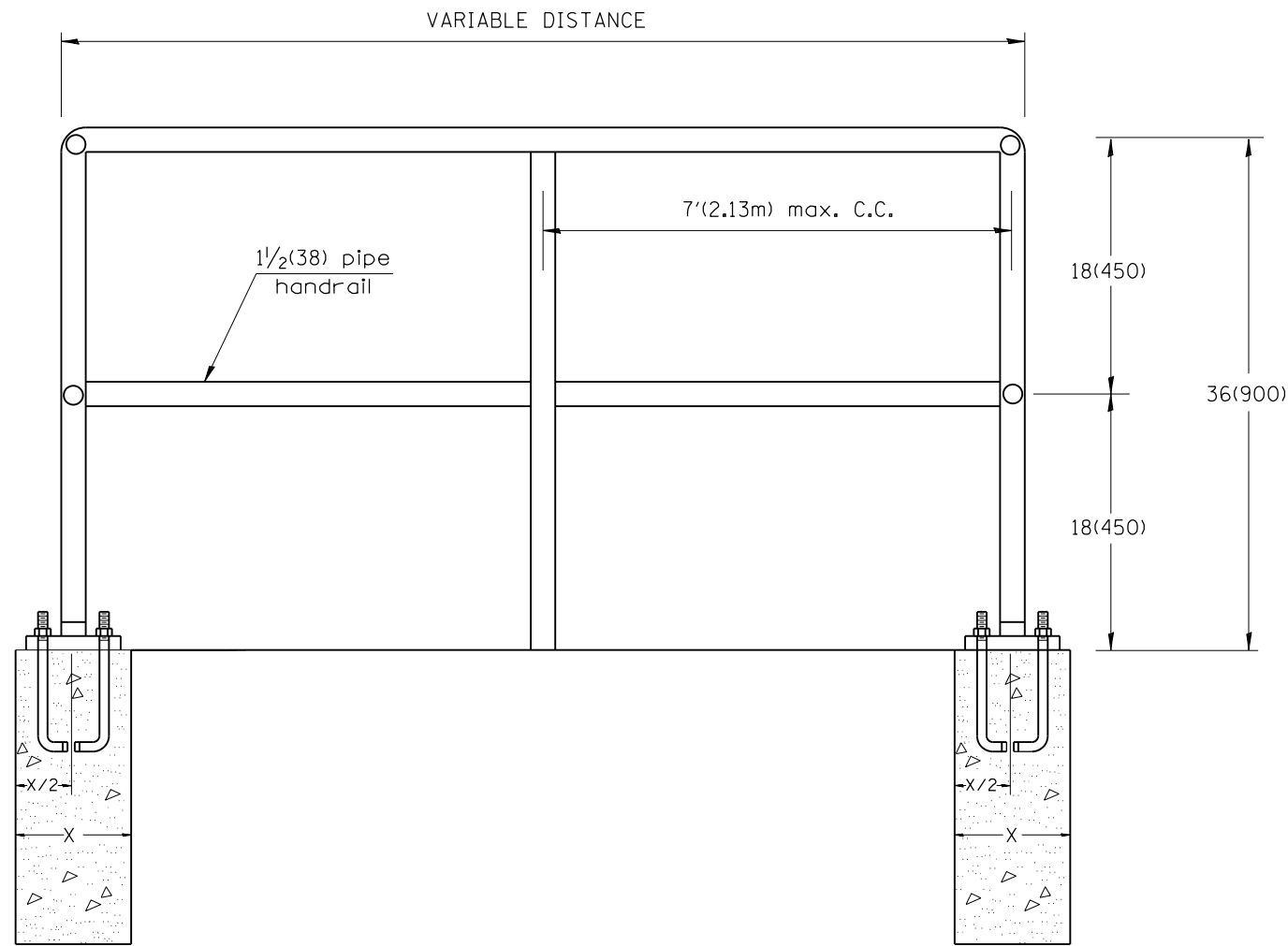
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE COLLAR DETAIL

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	39
CONTRACT NO. 76L56				

* JERSEY & CALHOUN



GENERAL NOTES:

- Article 509.04 of the Standard Specifications shall apply.
- Connection of railing to posts shall be made by continuous welding or with using standard pipe fitting.
- An equivalent epoxy anchor stud can be used in place of anchor shown. Anchor bolt holes shall be 3/4(20) in diameter and 5(125) deep. They shall be predrilled with an electric hammer drill to a depth of 4(100) prior to use of a pneumatic drill for the remaining 4(100). A two component encapsulated epoxy such as "Parabond" or an equivalent shall be used. Installation shall be according to Manufacturer's recommendations.
- The pipe handrail shall be galvanized by the hot dip process.
- Shop Drawings shall be submitted to the Engineer for approval prior to order and manufacturing materials.
- Foundations included in cost of PIPE HANDRAIL.

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

MODEL: D:\p\170091\Bussels Feory\A_CADD - DWG\A.7_Tran\CAD_Sheets\076L56-PI-DR-Handrail.dgn



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PLOT DATE = 1/17/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PIPE HANDRAIL DETAIL

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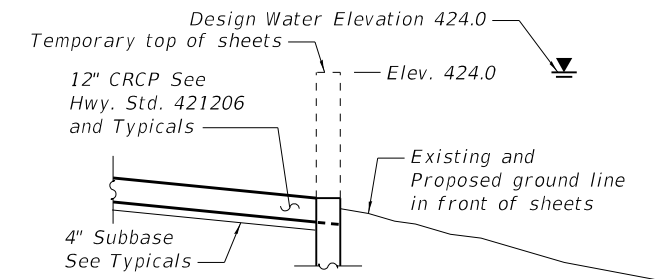
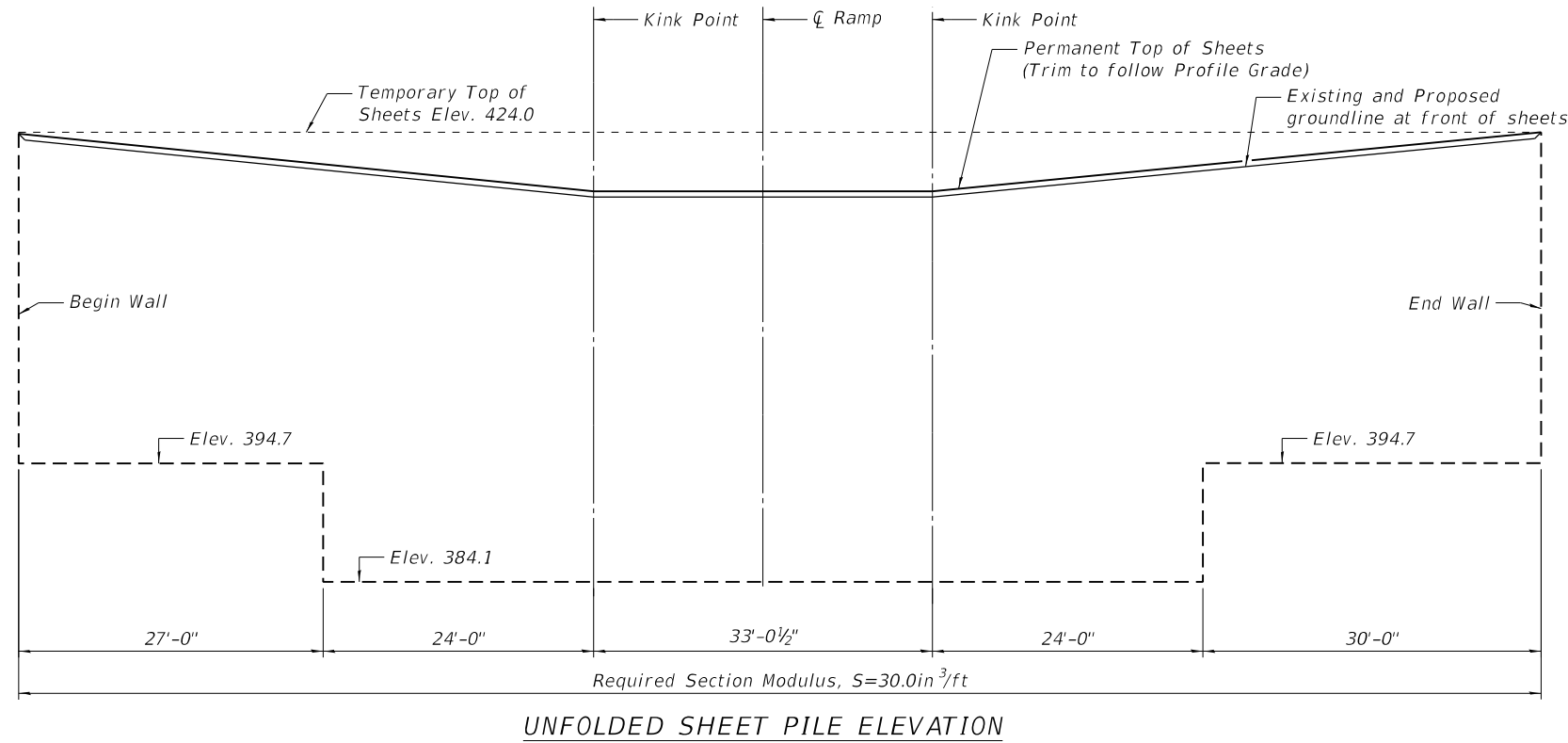
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	40
CONTRACT NO. 76L56				

ILLINOIS FED. AID PROJECT

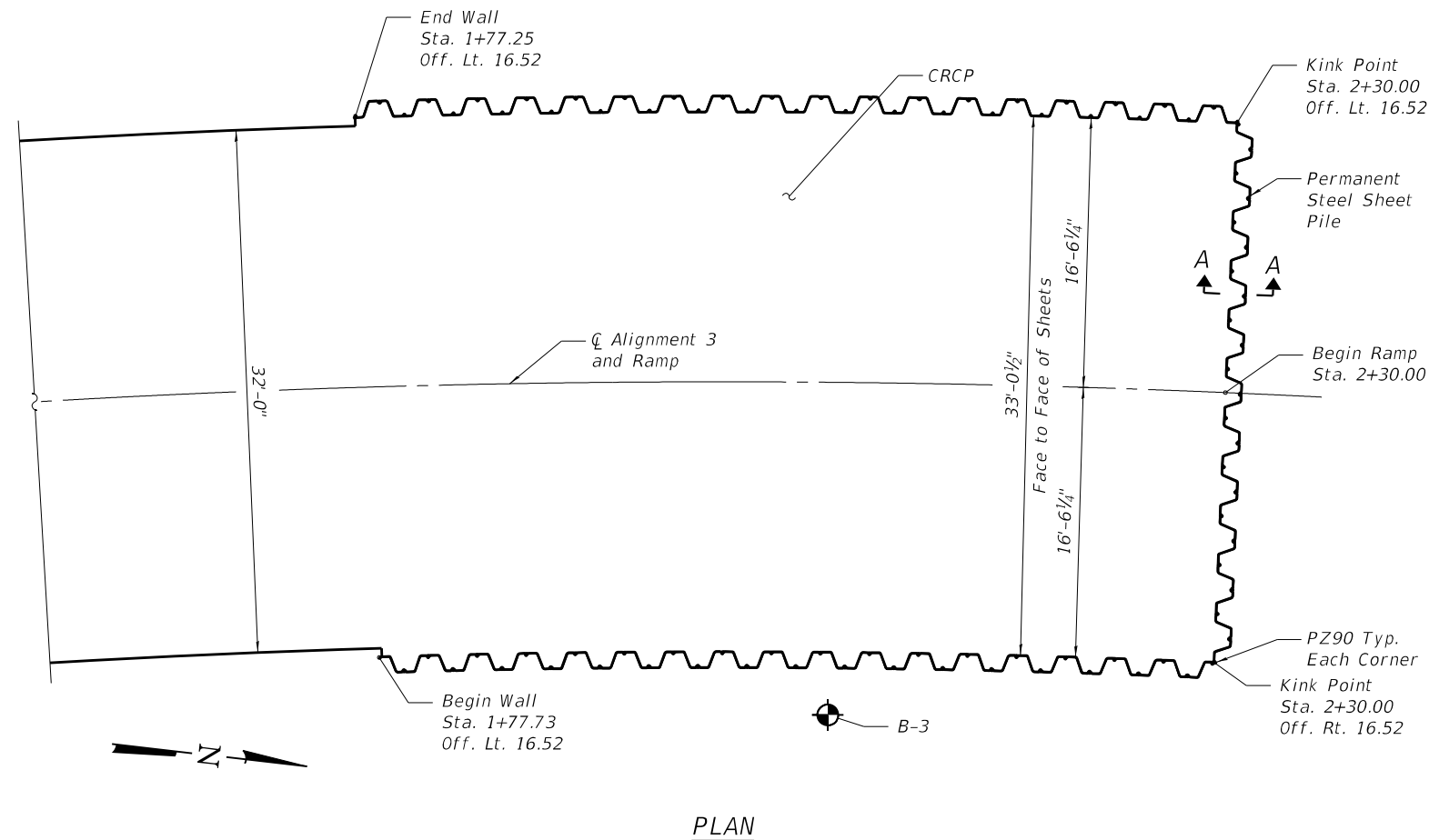
* JERSEY & CALHOUN

**TOTAL BILL OF MATERIAL FOR
ALIGNMENT 3, ALIGNMENT 1, AND ALIGNMENT 2**

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu. Yd.		104	104
Concrete Structures	Cu. Yd.		56.6	56.6
Stud Shear Connectors	Each	112		112
Reinforcement Bars, Epoxy Coated	Pound	70,060	10,390	80,450
Furnishing Steel Piles HP 12x63	Foot		455	455
Driving Piles	Foot		455	455
Test Pile Steel HP 12x63	Each		2	2
Pile Shoes	Each		16	16
Concrete Superstructure (Approach Slab), Special	Cu. Yd.	192.6		192.6
Permanent Steel Piling, Special	Sq. Ft.		11,534	11,534



SECTION A-A



PLAN

**SHEET PILE BILL OF MATERIAL
ALIGNMENT 3**

Permanent Steel Sheet Piling, Special	Sq. Ft	4904
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STRUCTURAL GENERAL NOTES - ALIGNMENT 3

- PERMANENT STEEL SHEET PILE, SPECIAL SHALL BE ASTM A572 - Fy = 50 KSI. SHEETING HORIZONTAL DIMENSIONS ARE BASED ON PZ27 SECTIONS. PZC 18 SECTIONS ARE ALSO PERMITTED.
- SEE PLAN AND PROFILE SHEETS FOR ALIGNMENT 3 PROFILE.
- SHEET PILE DESIGNED FOR DESIGN WATER SURFACE ELEVATION OF 424.0
- WITHIN SHEET PILING, EXCAVATION IS NOT PERMITTED BELOW ELEVATION 414.75 AND DEWATERING IS NOT PERMITTED BELOW ELEVATION 413.75.
- PRIOR TO DEWATERING, CONTRACTOR SHALL NOTIFY ENGINEER IF GROUNDLINE WITHIN SHEET PILE IS BELOW ELEV. 414.75.
- RAMP IS NOT DESIGNED FOR SEISMIC OR VESSEL COLLISION LOADING.

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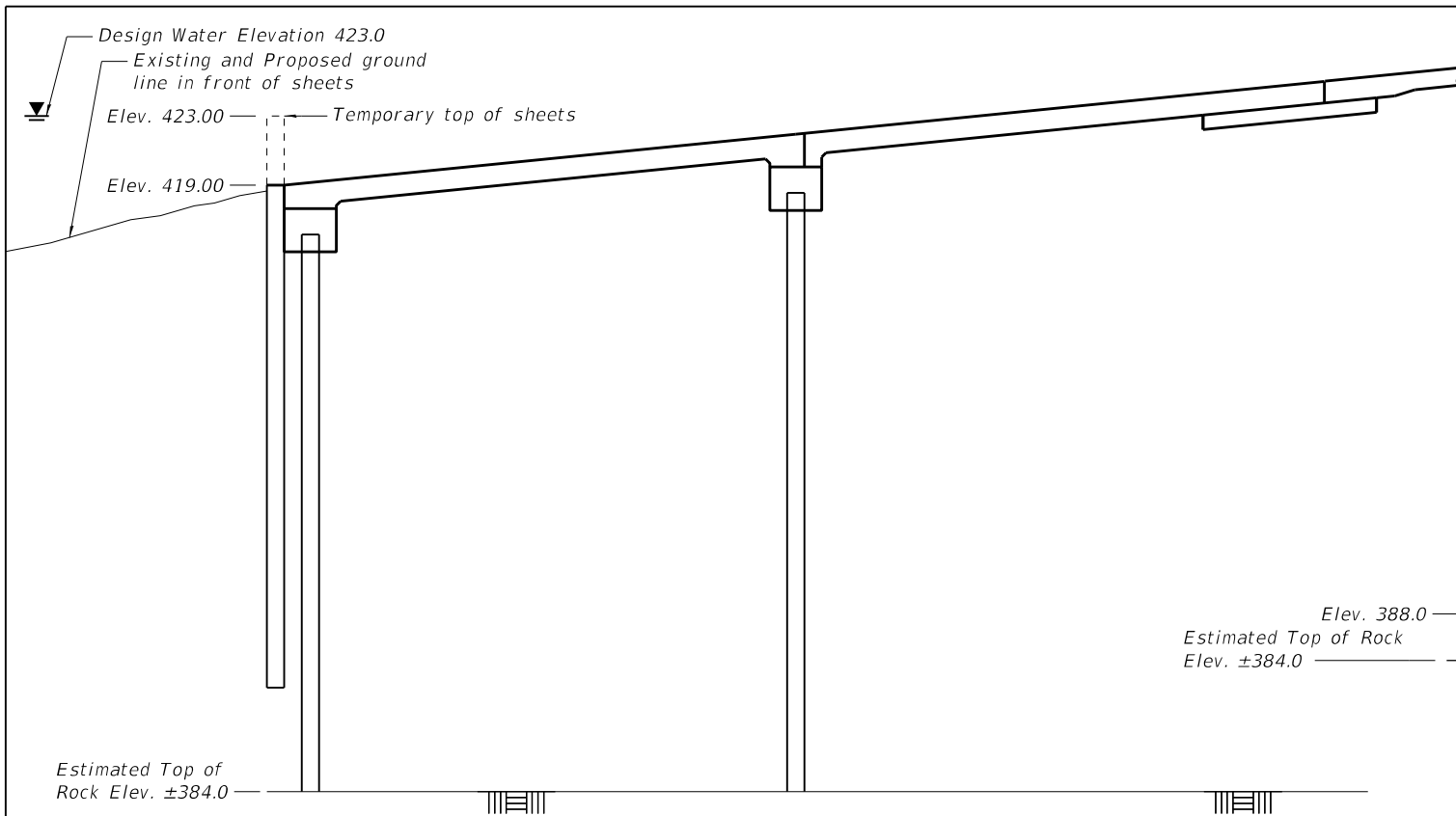
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL DETAILS
PLAN AND ELEVATION - ALIGNMENT 3**

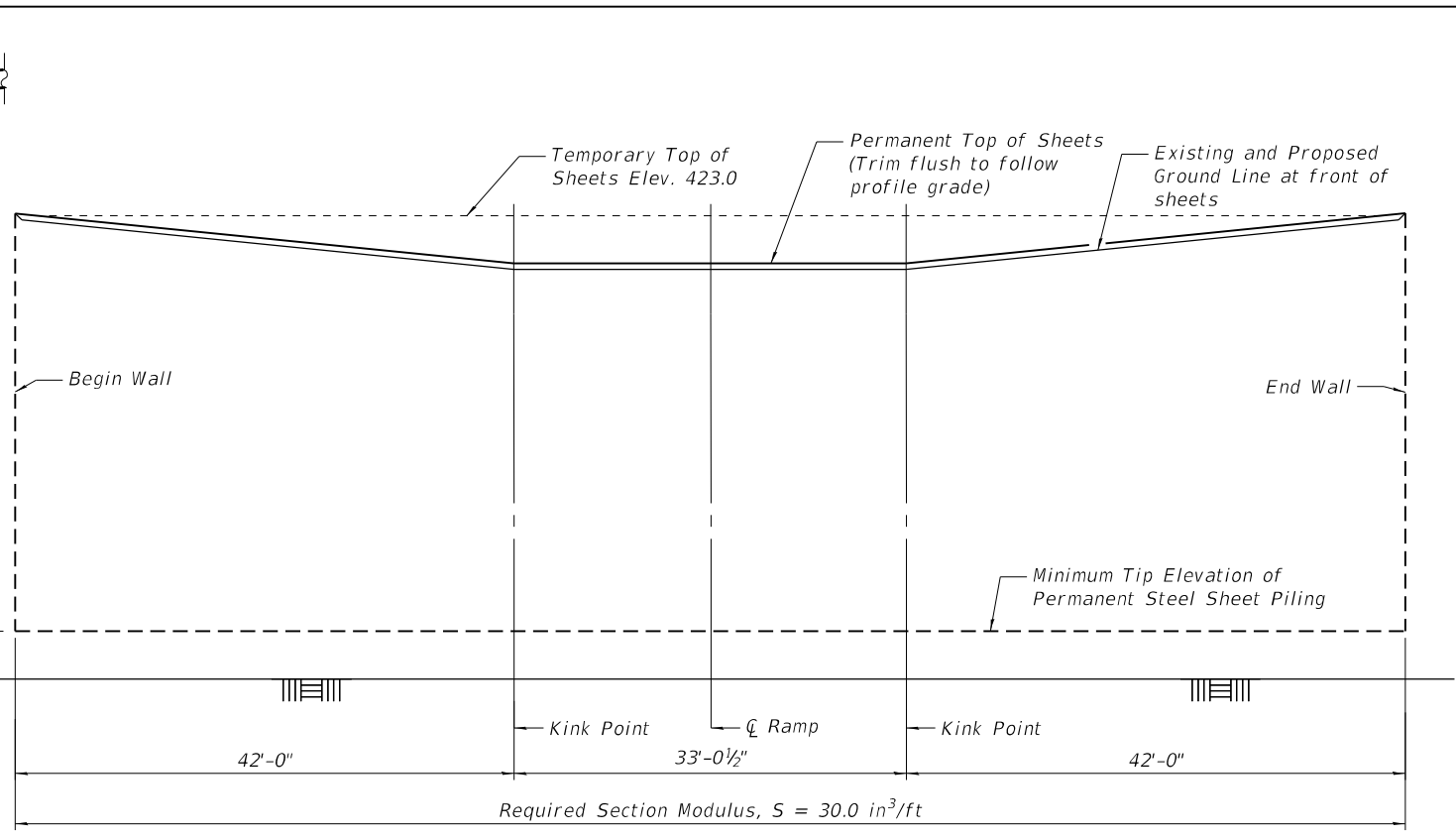
SHEET 1 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

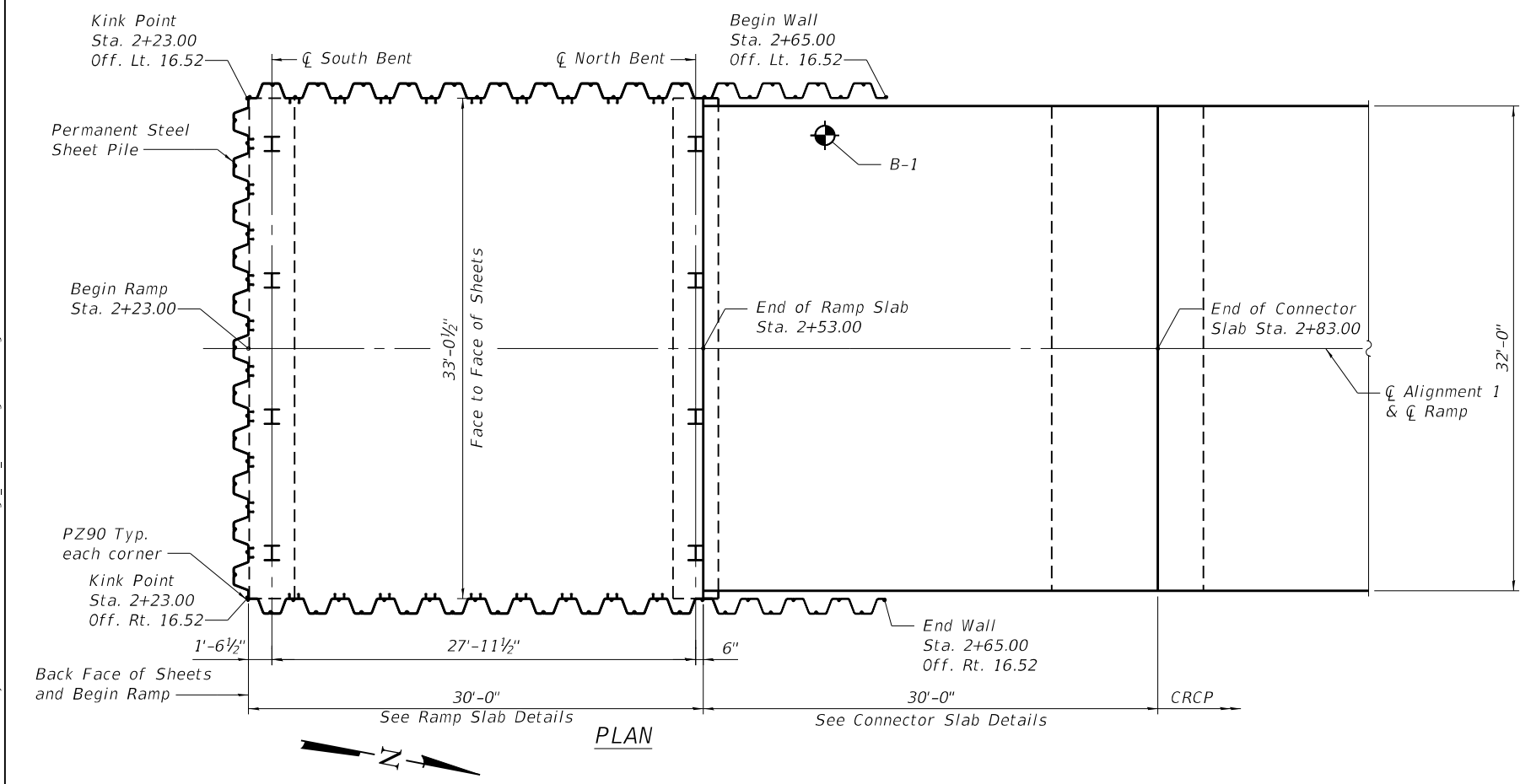
*JERSEY & CALHOUN



ELEVATION
(Looking West)



UNFOLDED SHEET PILE ELEVATION



**SHEET PILE BILL OF MATERIAL
ALIGNMENT 1**

Permanent Steel Sheet Piling, Special	Sq. Ft	4096
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STRUCTURAL GENERAL NOTES - ALIGNMENT 1

- RAMPS HAVE BEEN DESIGNED IN ACCORDANCE WITH 2017 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION. DESIGN LOADING IS HL-93.
- PERMANENT STEEL SHEET PILE, SPECIAL SHALL BE ASTM A572 - Fy = 50 KSI. SHEETING HORIZONTAL DIMENSIONS ARE BASED ON P227 SECTIONS. PZC 18 SECTIONS ARE ALSO PERMITTED.
- SEE PLAN AND PROFILE SHEETS FOR ALIGNMENT 1 PROFILE.
- SHEET PILE DESIGNED FOR DESIGN WATER SURFACE ELEVATION OF 423.0
- WITHIN SHEET PILING, EXCAVATION IS NOT PERMITTED BELOW ELEVATION 415.0 AND DEWATERING IS NOT PERMITTED BELOW ELEVATION 414.0.
- PRIOR TO DEWATERING, CONTRACTOR SHALL NOTIFY ENGINEER IF GROUNDLINE WITHIN SHEET PILE IS BELOW ELEV. 415.0.
- RAMP IS NOT DESIGNED FOR SEISMIC OR VESSEL COLLISION LOADING.

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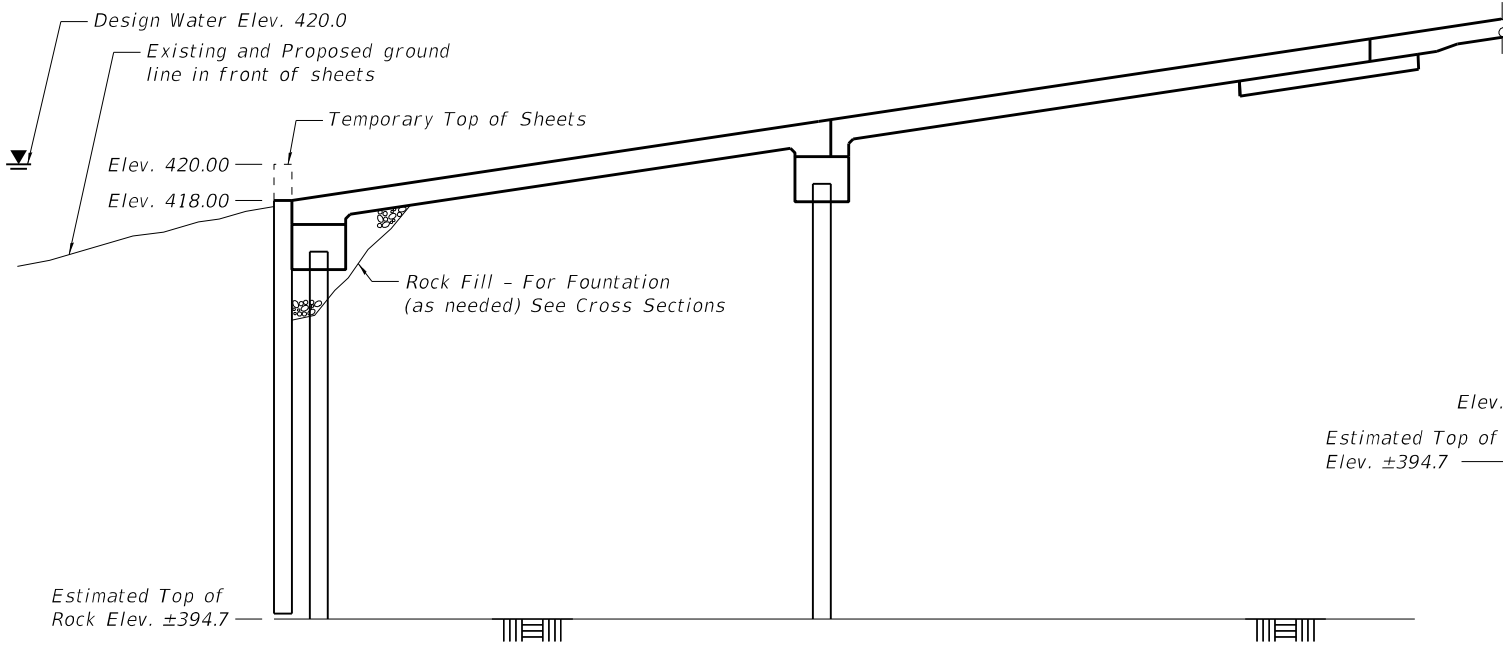
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL DETAILS
PLAN AND ELEVATION - ALIGNMENT 1**

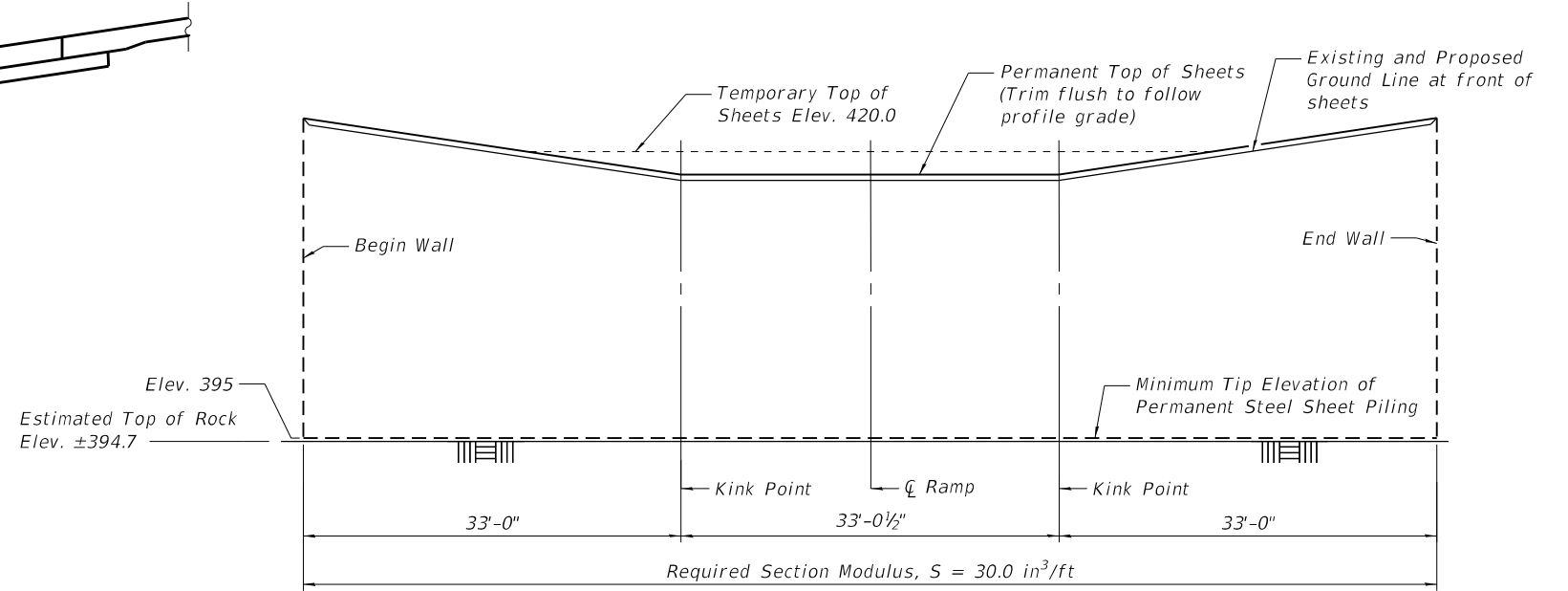
SHEET 2 OF 11 SHEETS

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304	1194-4	*	84	42
CONTRACT NO. 76L56				

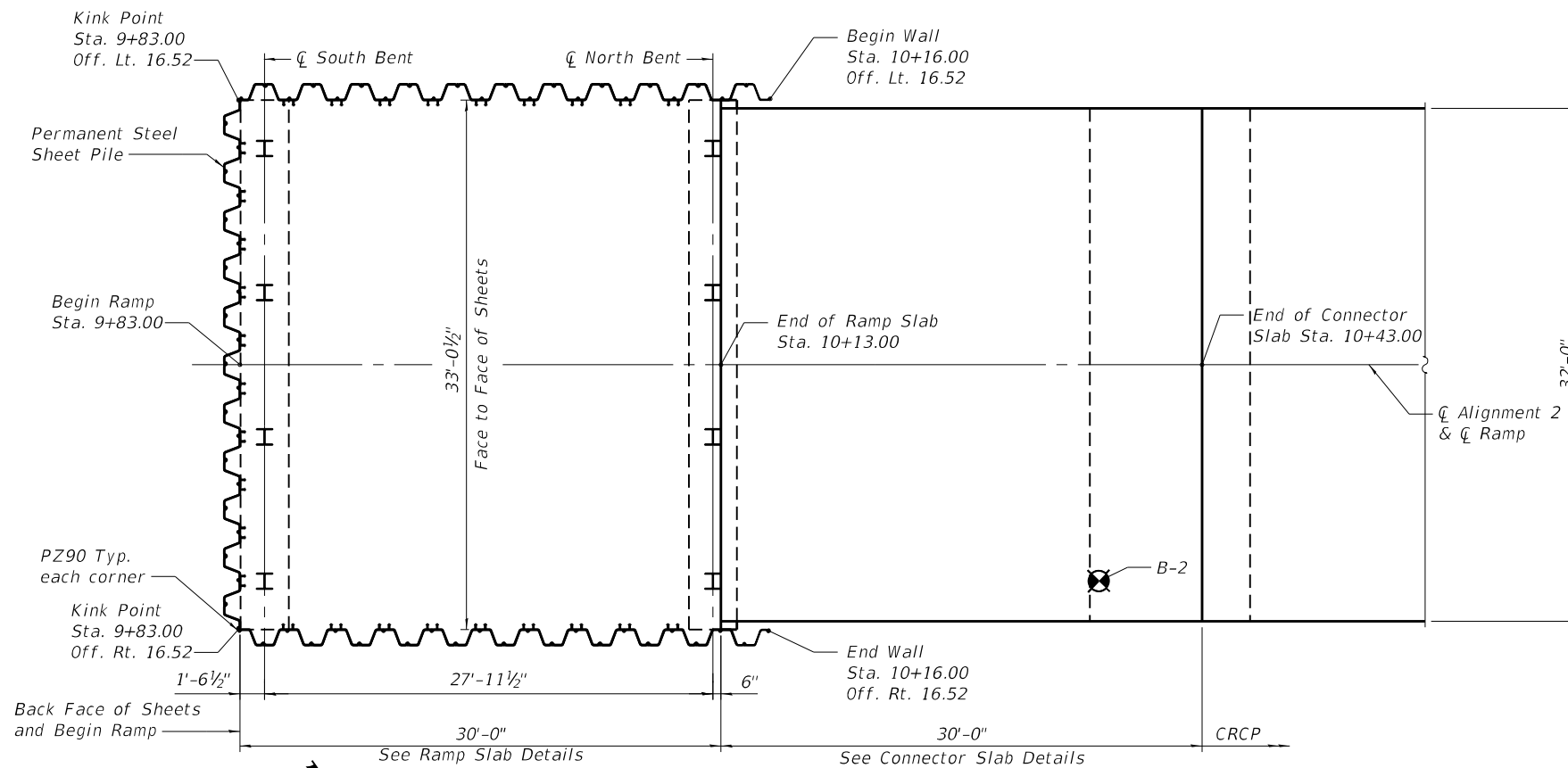
ILLINOIS FED. AID PROJECT
*JERSEY & CALHOUN



ELEVATION
(Looking West)



UNFOLDED SHEET PILE ELEVATION



PLAN

**SHEET PILE BILL OF MATERIAL
ALIGNMENT 2**

Permanent Steel Sheet Piling, Special	Sq. Ft	2534
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STRUCTURAL GENERAL NOTES - ALIGNMENT 2

- RAMP HAS BEEN DESIGNED IN ACCORDANCE WITH 2017 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION. DESIGN LOADING IS HL-93.
- PERMANENT STEEL SHEET PILE, SPECIAL SHALL BE ASTM A572 - Fy = 50 KSI. SHEETING HORIZONTAL DIMENSIONS ARE BASED ON PZ27 SECTIONS. PZC 18 SECTIONS ARE ALSO PERMITTED.
- SEE PLAN AND PROFILE SHEETS FOR ALIGNMENT 2 PROFILE.
- SHEET PILE DESIGNED FOR DESIGN WATER SURFACE ELEVATION OF 420.0
- WITHIN SHEET PILING, EXCAVATION IS NOT PERMITTED BELOW ELEVATION 414.0 AND DEWATERING IS NOT PERMITTED BELOW ELEVATION 413.0.
- PRIOR TO DEWATERING, CONTRACTOR SHALL NOTIFY ENGINEER IF GROUNDLINE WITHIN SHEET PILE IS BELOW ELEV. 414.0.
- RAMP IS NOT DESIGNED FOR SEISMIC OR VESSEL COLLISION LOADING.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL DETAILS
PLAN AND ELEVATION - ALIGNMENT 2**

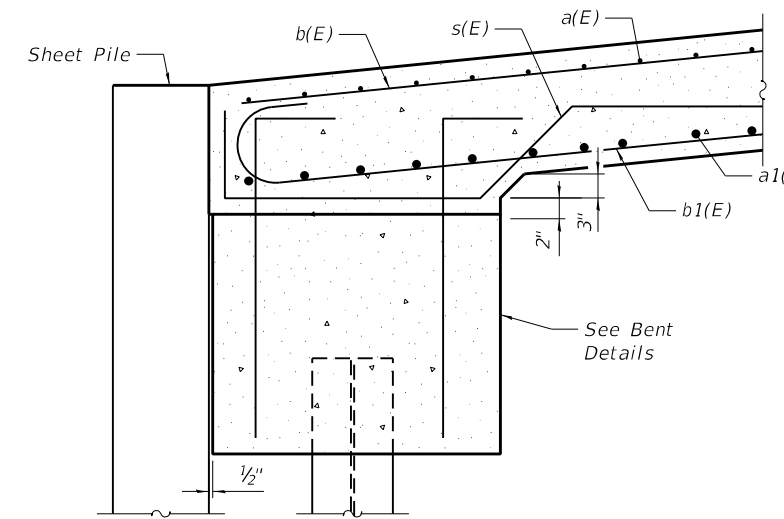
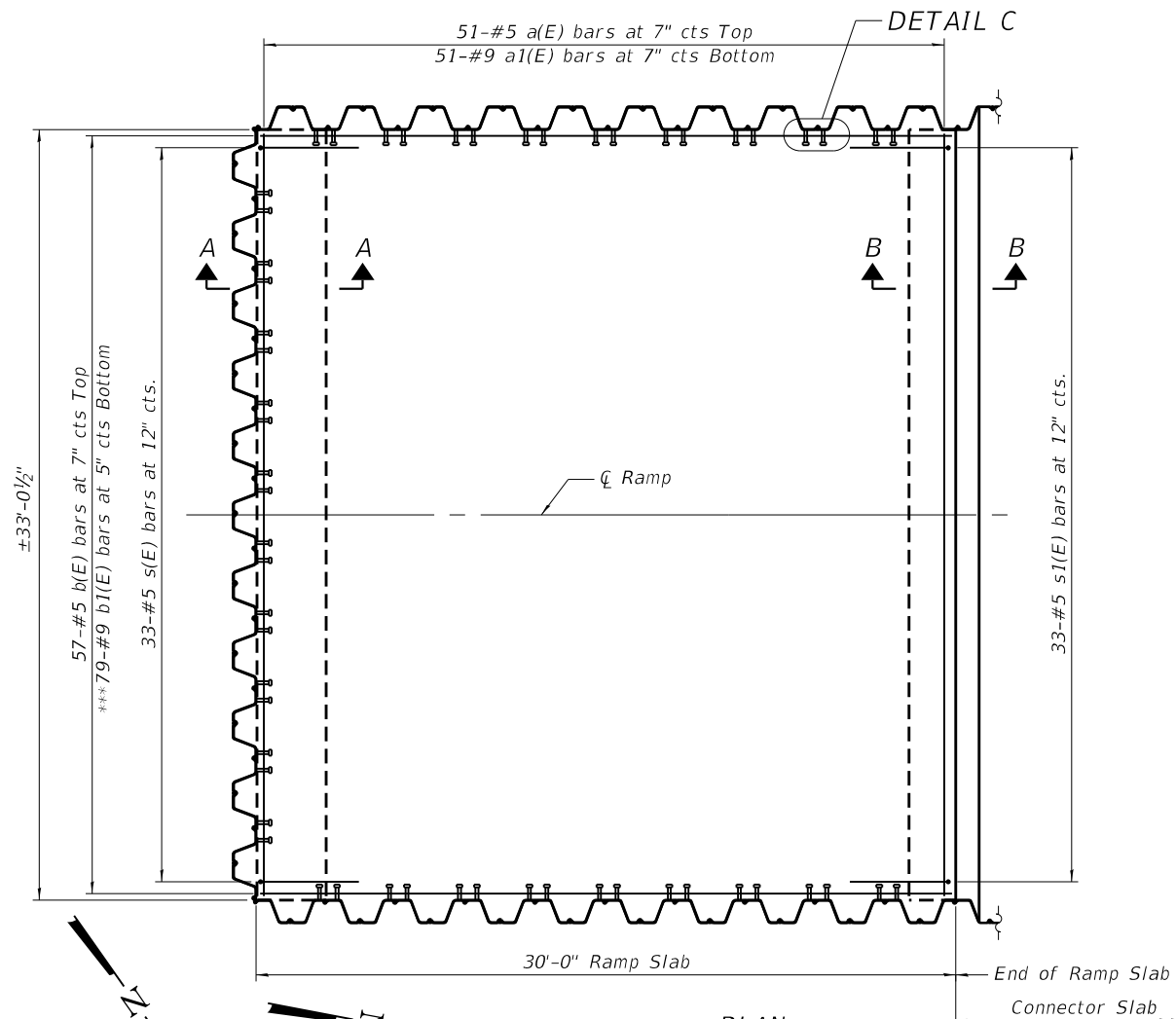
SHEET 3 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

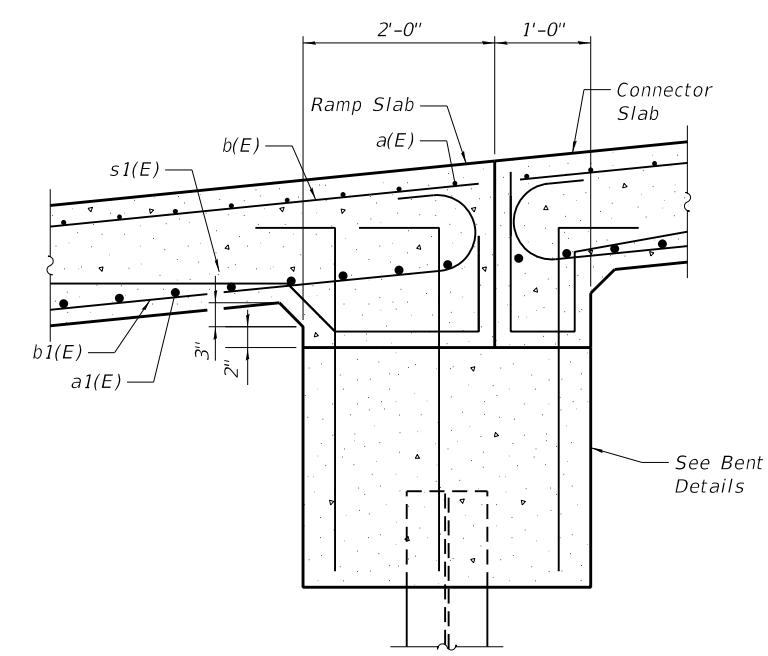
*JERSEY & CALHOUN

**ONE RAMP SLAB
BILL OF MATERIAL**

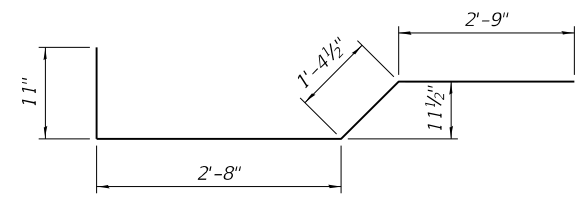
Bar	No.	Size	Length	Shape	
a(E)	51	#5	32'-8"	—	
a1(E)	51	#9	32'-8"	—	
b(E)	57	#5	29'-9"	—	
b1(E)	79	#9	32'-3"	U	
s(E)	33	#5	7'-9"	—	
s1(E)	33	#5	6'-0"	—	
Concrete Superstructure (Approach Slab), Special				Cu. Yd.	51.0
Stud Shear Connector				Each	56
Reinforcement Bars, Epoxy Coated				Pound	18,310



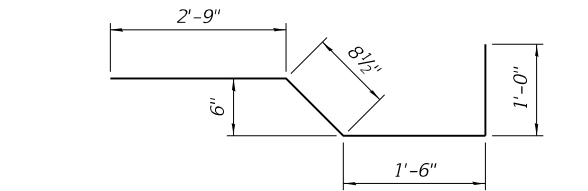
SECTION A-A



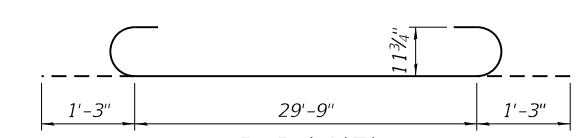
SECTION B-B



BAR s(E)

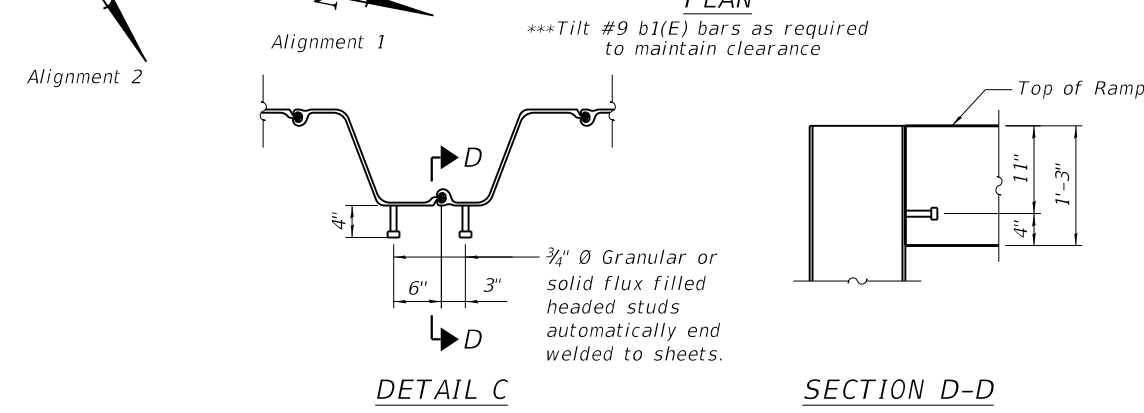


BAR s1(E)



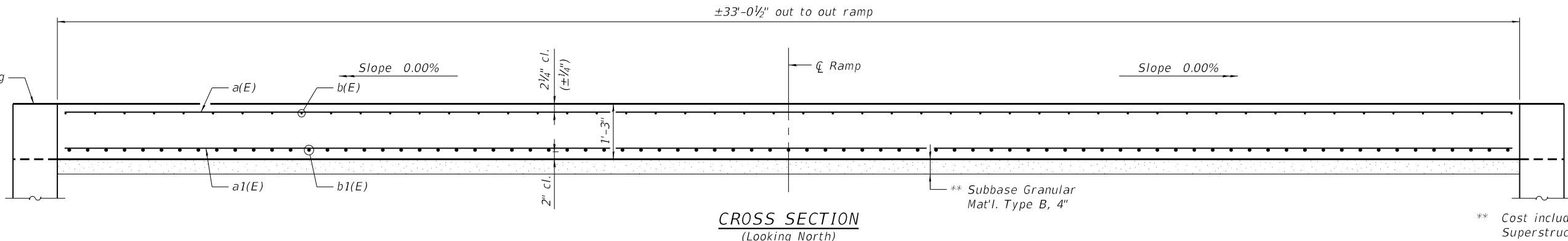
BAR b1(E)

Notes:
Ramp slab shall be paid for as Concrete Superstructure (Approach Slab), special.



DETAIL C

SECTION D-D



**CROSS SECTION
(Looking North)**

** Cost included with Concrete Superstructure (Approach Slab), Special.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL DETAILS
RAMP SLAB DETAILS - ALIGNMENT 1 & 2**

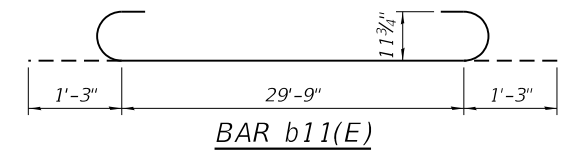
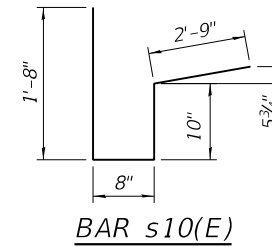
SHEET 4 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 76L56				

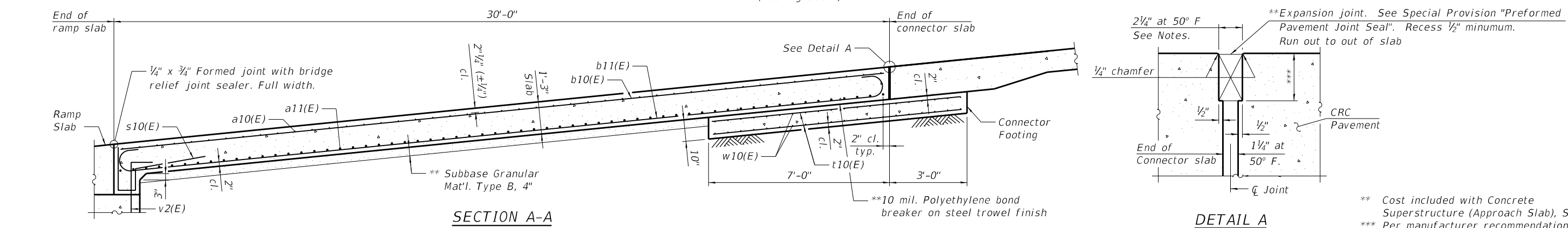
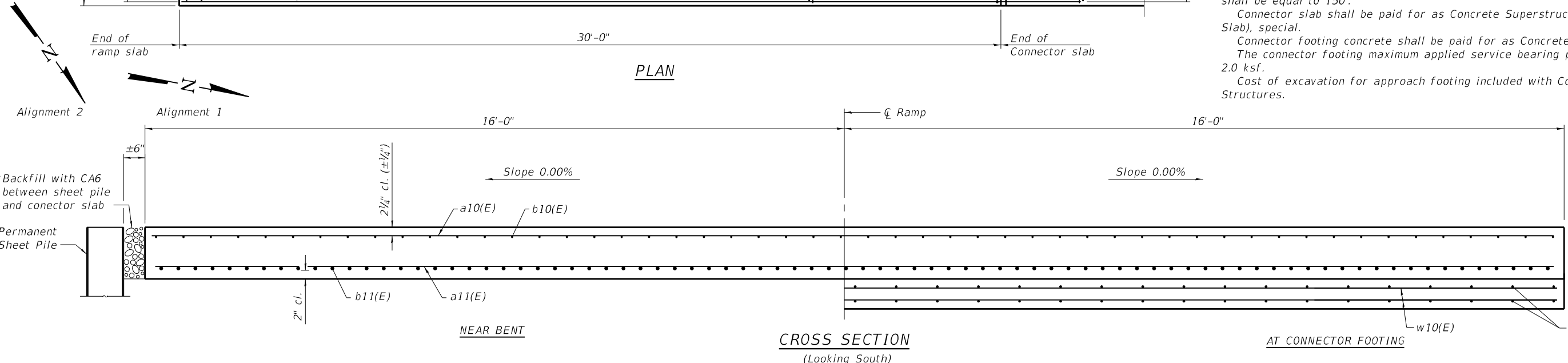
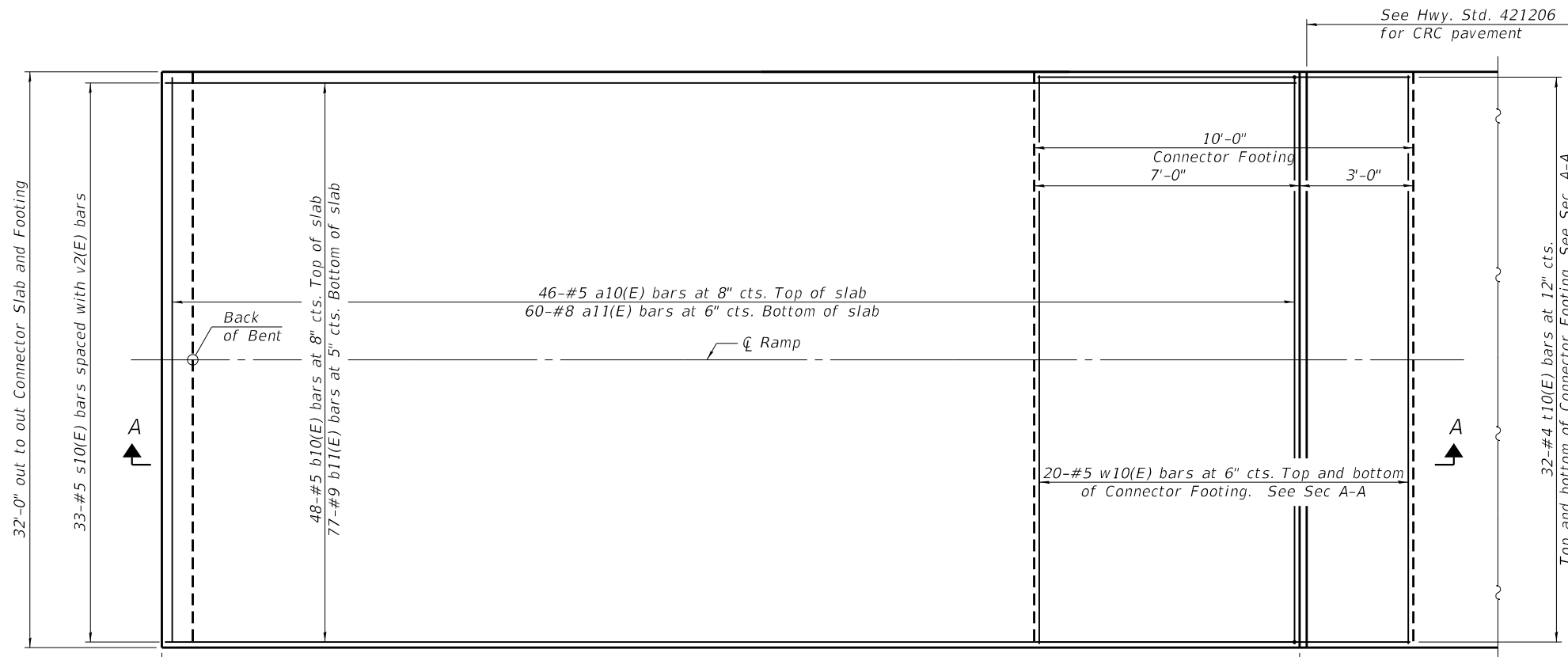
ILLINOIS FED. AID PROJECT *JERSEY & CALHOUN

**ONE CONNECTOR SLAB
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape	
a10(E)	46	#5	31'-8"	—	
a11(E)	60	#8	31'-8"	—	
b10(E)	48	#5	29'-8"	—	
b11(E)	77	#9	32'-3"	⌋	
t10(E)	64	#4	9'-8"	—	
s10(E)	33	#5	5'-11"	—	
w10(E)	40	#5	31'-8"	—	
Concrete Superstructure (Approach Slab), Special				Cu. Yd.	45.3
Concrete Structures				Cu. Yd.	9.9
Reinforcement Bars, Epoxy Coated				Pound	18,460



Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. The length used to calculate the adjustment shall be equal to 150'.
 Connector slab shall be paid for as Concrete Superstructure (Approach Slab), special.
 Connector footing concrete shall be paid for as Concrete Structures.
 The connector footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.



** Cost included with Concrete Superstructure (Approach Slab), Special.
 *** Per manufacturer recommendations

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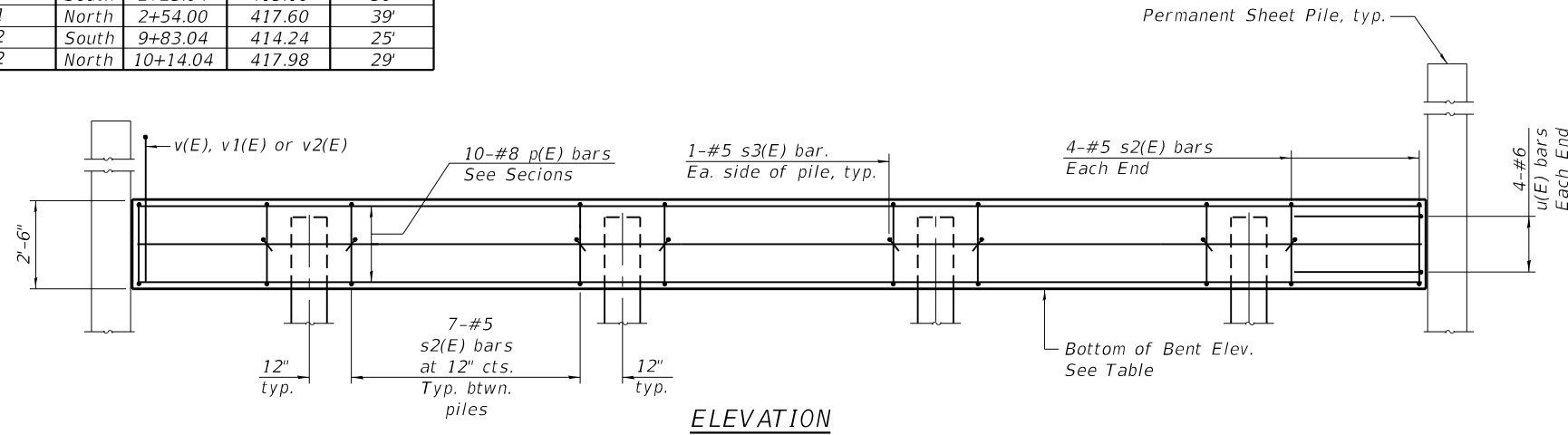
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

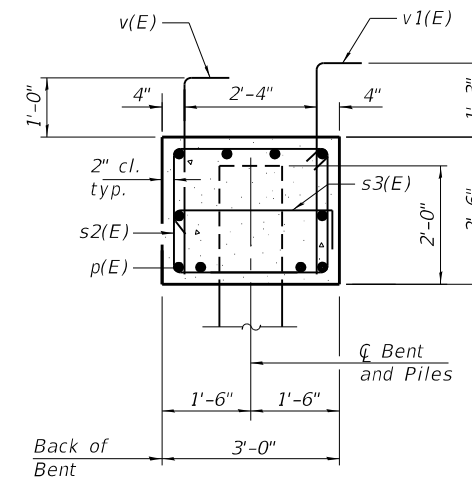
**STRUCTURAL DETAILS
CONNECTOR SLAB DETAILS - ALIGNMENT 1 & 2**

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304	119-4-4	*	84	45
CONTRACT NO. 76L56				

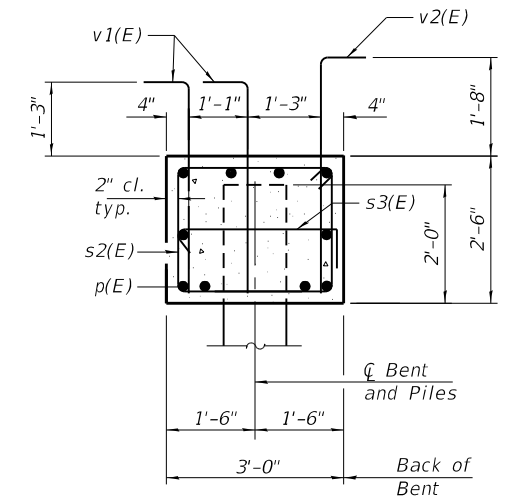
Alignment	Bent	Back of Bent Sta.	Bottom of Bent Elev.	Est. Pile Length
1	South	2+23.04	415.16	36'
1	North	2+54.00	417.60	39'
2	South	9+83.04	414.24	25'
2	North	10+14.04	417.98	29'



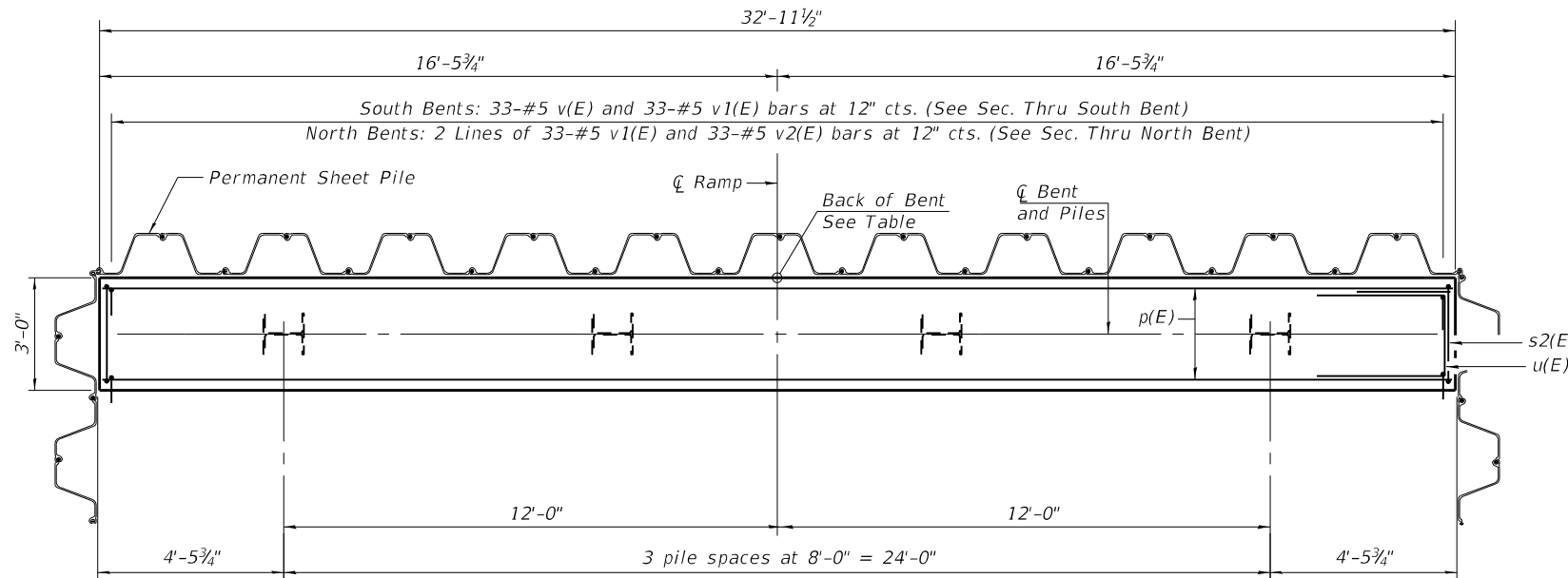
ELEVATION



SEC. THRU SOUTH BENT



SEC. THRU NORTH BENT

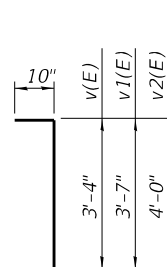


PLAN

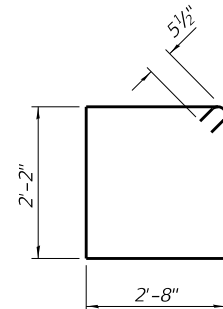
South bents shown, North bents similar

PILE DATA

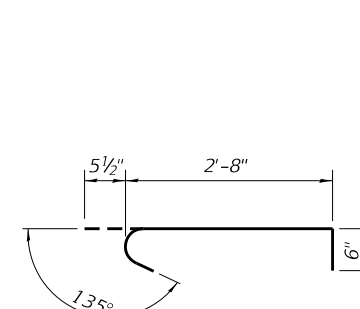
Type: HP 12x63 with pile shoes
 Nominal Required Bearing: 497 kips
 Factored Resistance Available: 273 kips
 Est. Length: See Table.
 No. Production Piles: 14
 No. Test Piles: 2 (1 Test Pile in South Bent at each ramp)



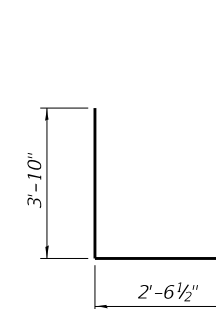
BAR v(E), v1(E) & v2(E)



BAR s2(E)



BAR s3(E)



BAR u(E)

BILL OF MATERIAL (4 BENTS)

Bar	No.	Size	Length	Shape
p(E)	40	#8	32'-7"	—
s2(E)	116	#5	10'-7"	⊠
s3(E)	32	#5	3'-8"	⊠
u(E)	32	#6	10'-3"	⊠
v(E)	66	#5	4'-2"	⊠
v1(E)	198	#5	4'-5"	⊠
v2(E)	66	#5	4'-10"	⊠
Structure Excavation		Cu. Yd.	104	
Concrete Structures		Cu. Yd.	36.8	
Reinforcement Bars, Epoxy Coated		Pound	6,910	
Furnishing Steel Piles HP 12x63		Foot	455	
Driving Piles		Foot	455	
Test Pile Steel HP 12x63		Each	2	
Pile Shoes		Each	16	

For details of piles see sheet 7 of 11.

Notes:
 Contractor may pour bent concrete against permanent sheet pile instead of forming and backfilling. This shall be considered backfill for Structure Excavation and no additional compensation will be allowed.

MODEL: Default
 FILE NAME: P:\170091\Brussels Ferry\4_CADD - DWG\4.4_Struct\Bridge_006_Bent_Details.dgn
 1/16/2019 5:17:06 PM



USER NAME =	DESIGNED - BWP	REVISED -
	CHECKED - MJJ	REVISED -
PLOT SCALE =	DRAWN - BWP	REVISED -
PLOT DATE =	CHECKED - MJJ	REVISED -

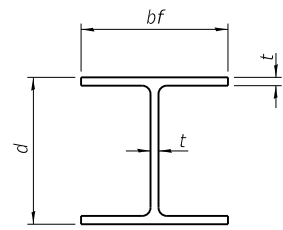
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STRUCTURAL DETAILS
 BENT DETAILS - ALIGNMENT 1 & 2**

SHEET 6 OF 11 SHEETS

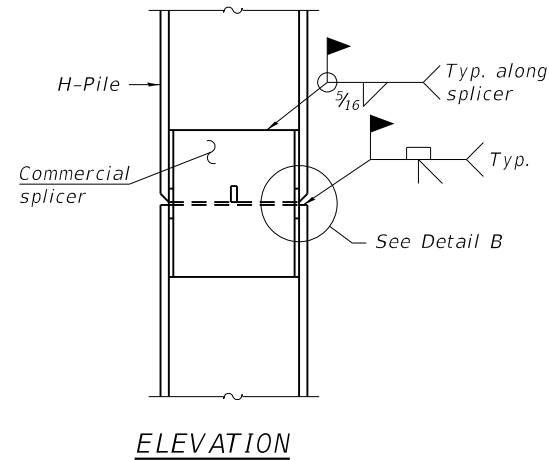
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	1194-4	*	84	46
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

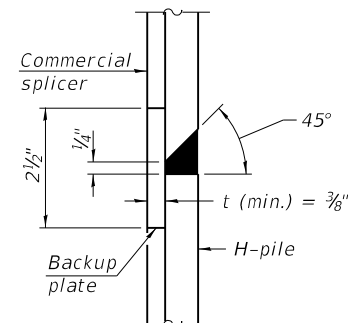


STEEL PILE TABLE

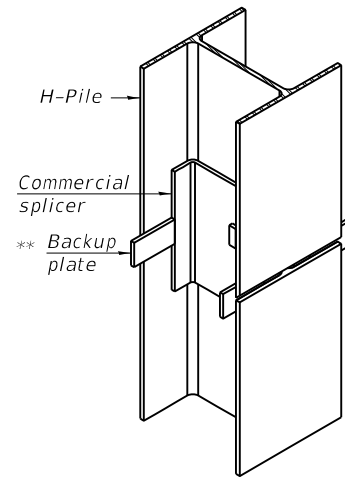
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"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



ELEVATION

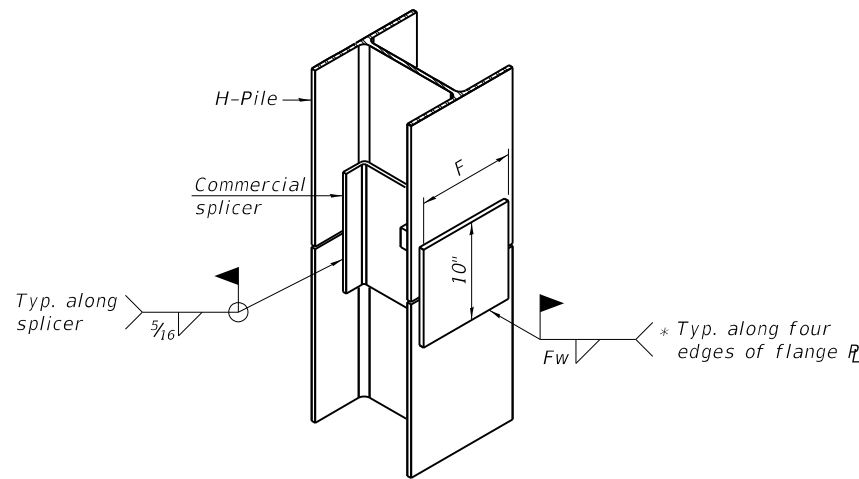


DETAIL "B"



ISOMETRIC VIEW

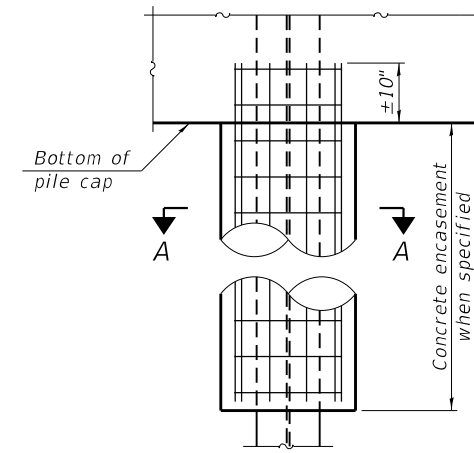
WELDED COMMERCIAL SPLICE



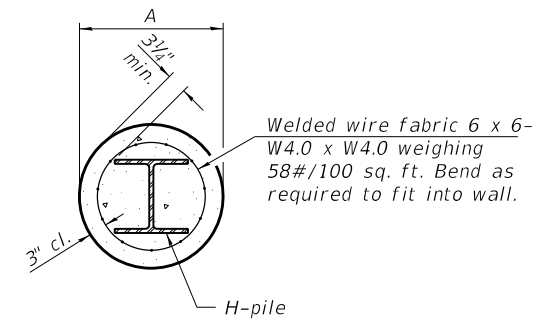
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

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

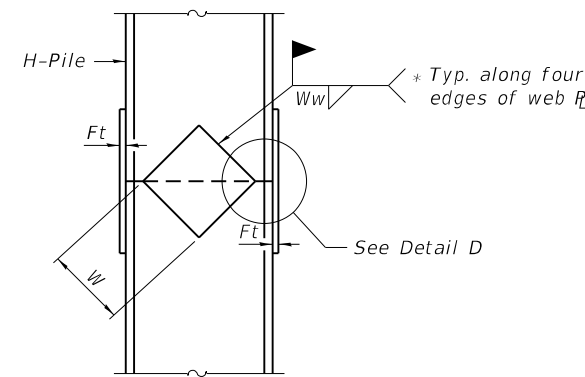


ELEVATION

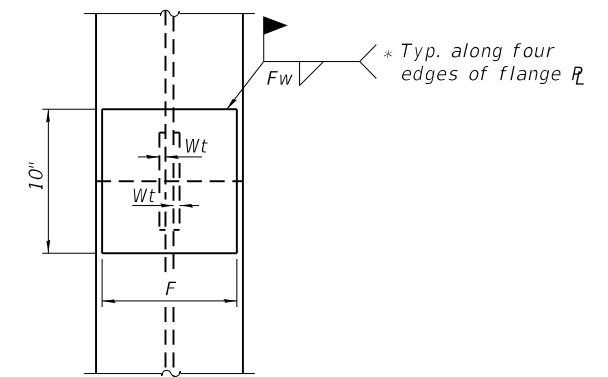


SECTION A-A

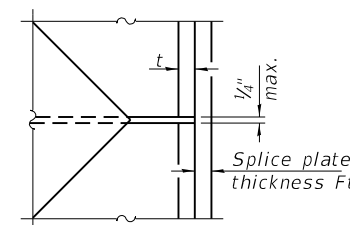
INDIVIDUAL PILE CONCRETE ENCASUREMENT
 (Forms for encasement may be omitted when soil conditions permit).



ELEVATION



END VIEW



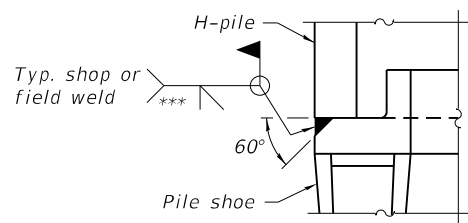
DETAIL D

WELDED PLATE FIELD SPLICE

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

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

SHOE ATTACHMENT



DETAIL A

F-HP 8-11-2017

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USER NAME =	DESIGNED - BWP	REVISED -
PLOT SCALE =	CHECKED - DJH	REVISED -
PLOT DATE =	DRAWN - BWP	REVISED -
	CHECKED - DJH	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

STRUCTURAL DETAILS HP PILE DETAILS - ALIGNMENT 1 & 2

SHEET 7 OF 11 SHEETS

F.A.P RTE. 304	SECTION 119-4-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 47
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN



SOIL BORING LOG

Date 12/05/18

ROUTE II Rte 100 DESCRIPTION Roadway Ramp Reconstruction - Brussels Ferry LOGGED BY B. Bowling

SECTION 119-I-4 LOCATION Grafton, Illinois, SEC. 13, TWP. 6 N, RNG. 13 W
Northing Easting

COUNTY Jersey DRILLING METHOD 1/4" HSA - Mud Rotary and Rock Coring HAMMER TYPE Auto

STRUCT. NO. _____
Station _____

BORING NO. B-1
Station _____
Offset _____
Ground Surface Elev. 425 ft

	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev.		D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)
					ft	ft				
Very Soft to Stiff, Blue Gray, Very Moist, SILTY CLAY (A-6)					424.0					
▽	3		1.5 B/20	16	Soft, Gray, Wet, CLAYEY SILT (A-4) (continued)		10			
	3					7	N/C			
	4					9				
Unit Weight Determination Test Performed	2		N/C				8			
	2						12	N/C		
	-5	3					-25	14		
	0		0.0 B/20	24			5			
	0						8	N/C		
	0						14			
	0		0.2 B/20	33			11			
	0						16	N/C		
	-10	1					-30	20		
	0						7			
	1						9	N/C		
	-15	2	0.4 B/20	30			-35	8	N/C	
Soft, Gray, Wet, CLAYEY SILT (A-4)	0									
	1		<0.25 P	29						
	2									
Unconfined Compression Test Performed	0		0.6 B/9	36			3			
	1						5	N/C		
	-20						-40	3		



SOIL BORING LOG

Date 12/05/18

ROUTE II Rte 100 DESCRIPTION Roadway Ramp Reconstruction - Brussels Ferry LOGGED BY B. Bowling

SECTION 119-I-4 LOCATION Grafton, Illinois, SEC. 13, TWP. 6 N, RNG. 13 W
Northing Easting

COUNTY Jersey DRILLING METHOD 1/4" HSA - Mud Rotary and Rock Coring HAMMER TYPE Auto

STRUCT. NO. _____
Station _____

BORING NO. B-1
Station _____
Offset _____
Ground Surface Elev. 425 ft

	D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev.		D E P T H (ft)	B L O W S (/6")	U C S Qu (tsf)	M O I S T (%)
					ft	ft				
Medium Dense to Dense, Gray, SAND (A-2) (continued)					424.0					
Stream Bed Elev.										
Groundwater Elev.:										
First Encounter					406.5	ft ▼				
Upon Completion					424.0	ft ▽				
After N/a Hrs.					N/a	ft				
Borehole continued with rock coring.										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

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USER NAME =	DESIGNED - TJR	REVISED -
CHECKED - DJH	REVISED -	
PLOT SCALE =	DRAWN - TJR	REVISED -
PLOT DATE =	CHECKED - DJH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL DETAILS
SOIL BORING LOGS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	48
CONTRACT NO. 76L56				
SHEET 8 OF 11 SHEETS		ILLINOIS FED. AID PROJECT		



ROCK CORE LOG

ROUTE Il Rte 100 DESCRIPTION Roadway Ramp Reconstruction - Brussels Ferry LOGGED BY B. Bowling

SECTION 119-I-4 LOCATION Grafton, Illinois, SEC. 13, TWP. 6 N, RNG. 13 W

COUNTY Jersey CORING METHOD NX - Wireline

STRUCT. NO. _____ CORING BARREL TYPE & SIZE _____

BORING NO. B-1 Station _____

Offset _____

Ground Surface Elev. 425 ft

DESCRIPTION	DEPTH (ft)	CORING BARREL TYPE & SIZE (#)	RECOVERY (%)	R.Q.D. (%)	CORE TAKE (min/ft)	STRENGTH (tsf)	MOISTURE (%)
Reddish Brown SANDSTONE, Hard, Very Finely Crystalline, Banded to Thinly Bedded, Slightly Weathered, Dense	382.5	1	95	52	5		
					10		
	380.5				13		
Gray SANDY LIMESTONE, Hard, Very Finely Crystalline, Thinly Bedded, Slightly Weathered, Dense					8		
Medium Bedded					9	793.4	0.2
2 inch Open Vertical Fracture							
	377.5						

Boring terminated at 47.5 ft.

Color pictures of the cores Yes No

Cores will be stored for examination until _____

The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)

BBS, form 138 (Rev. 8-99)

MODEL: Default
FILE NAME: P:\170091\Brussels Ferry\4_CADD - DWG\4.4_Struct\Bridg_009_Soil Borings.dgn



USER NAME =	DESIGNED - TJR	REVISED -
	CHECKED - DJH	REVISED -
PLOT SCALE =	DRAWN - TJR	REVISED -
PLOT DATE =	CHECKED - DJH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL DETAILS
SOIL BORING LOGS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-4-4	*	84	49
CONTRACT NO. 76L56				

SHEET 9 OF 11 SHEETS

ILLINOIS FED. AID PROJECT



SOIL BORING LOG

ROUTE Il Rte 100 DESCRIPTION Roadway Ramp Reconstruction - Brussels Ferry LOGGED BY B. Bowling

SECTION 119-I-4 LOCATION Brussel, Illinois, SEC. 13, TWP. 6 N, RNG. 13 W

Northing Easting

COUNTY Calhoun DRILLING METHOD 4 1/4" HSA - Mud Rotary HAMMER TYPE Auto

Table with 4 columns: DPTH (ft), BLOS (ft), UCS (tsf), MOIST (%). Includes data for Surface Water Elev., Stream Bed Elev., Groundwater Elev., and various soil layers like SILTY CLAY (A-6), SAND (A-2), etc.



SOIL BORING LOG

ROUTE Il Rte 100 DESCRIPTION Roadway Ramp Reconstruction - Brussels Ferry LOGGED BY B. Bowling

SECTION 119-I-4 LOCATION Brussel, Illinois, SEC. 13, TWP. 6 N, RNG. 13 W

Northing Easting

COUNTY Calhoun DRILLING METHOD 4 1/4" HSA - Mud Rotary HAMMER TYPE Auto

Table with 4 columns: DPTH (ft), BLOS (ft), UCS (tsf), MOIST (%). Includes data for Surface Water Elev., Stream Bed Elev., Groundwater Elev., and soil layers like SILTY CLAY (A-6), SAND (A-2), etc.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)

MODEL: Default
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Table with 4 columns: USER NAME, DESIGNED, CHECKED, DRAWN, PLOT DATE. Includes names TJR and DJH.

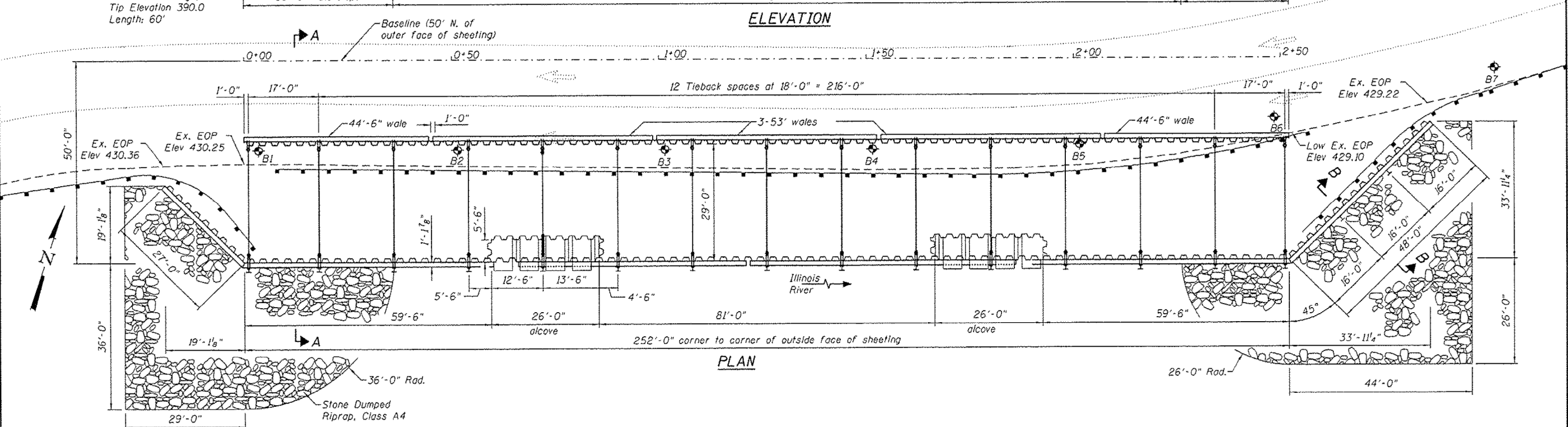
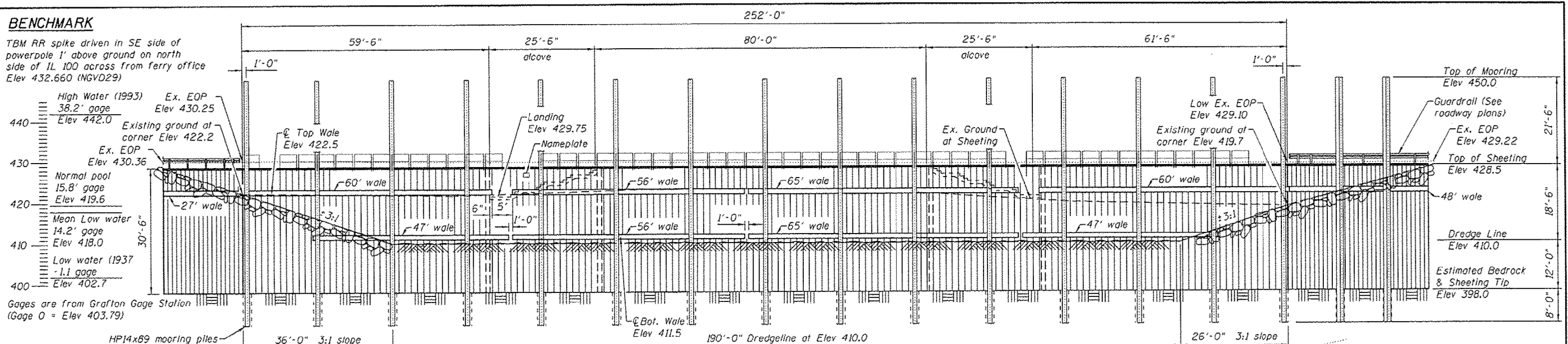
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL DETAILS
SOIL BORING LOGS

SHEET 11 OF 11 SHEETS

Table with columns: F.A.P. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

FOR INFORMATION ONLY



- GENERAL NOTES**
- All walers and mooring soldier piles are HP 14x89. Splices in mooring soldier piles will not be allowed. Field welded splices are allowed in the walers, as approved by the Engineer. Splices are required at both wingwall corners of the top wale.
 - Sheeting horizontal dimensions, alcove dimensions, closure channel size, and tieback spacings are based on sheeting sections assumed to be 12" wide and 18" long. These may be adjusted based on the actual chosen sheeting section selected by the Contractor.
 - The retaining wall and tieback sheeting shall have a minimum published section modulus of 28.0 cu.in./ft.
 - See sheet 2 for Section A-A and B-B.



BRUSSELS FERRY HARBOR
BUILT 2015 BY
STATE OF ILLINOIS
F.A.P. 304, SEC 21-5
STATION 1155+00
STRUCTURE NO. 042-W001

NAME PLATE
See Std. 515001

EXPIRES 11-30-2014

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications
for Highway Bridges

DESIGN LOADING

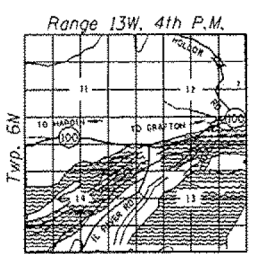
SHEET PILING
32 pcf
Equivalent Fluid Pressure

STAIRWAY
Live Load = Greater of 100psf uniform load or a 300 lb. concentrated load.
Maximum deflection = 1/4"

DESIGN STRESSES

SHEET PILING & STRUCTURAL STEEL
fy = 50,000 psi
AASHTO M270, Grade 50

ANCHOR RODS
Fu = 150,000 psi
ASTM A722



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Channel Excavation	Cu. Yd.	3,927
Stone Dumped Riprap, Class A4	Sq. Yd.	589
Furnishing & Erecting Structural Steel	Pound	97,070
Concrete Structures	Cu. Yd.	8.5
Reinforcement Bars, Epoxy Coated	Pound	770
Furnishing Steel Piles HP14x89	Foot	1,020
Name Plates	Each	1
Porous Granular Embankment, Special	Cu. Yd.	2,550
Permanent Steel Sheet Piling	Sq. Ft.	14,609
Setting Piles In Rock	Each	17
Fiberglass Reinforced Polyester Railing	Foot	313
F.R.P. Stair and Grating System	Sq. Ft.	351

DESIGNED - John Uehle	EXAMINED - <i>Jay E. Leliff</i>	DATE - SEPTEMBER 18, 2014
CHECKED - Bill Kramer	PASSED - <i>Bill Kramer</i>	REVISED -
DRAWN - John Uehle	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
CHECKED - Bill Kramer		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION
042-W001
SHEET NO. 1 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	21-5	JERSEY	20	10
CONTRACT NO. 76G94				



USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

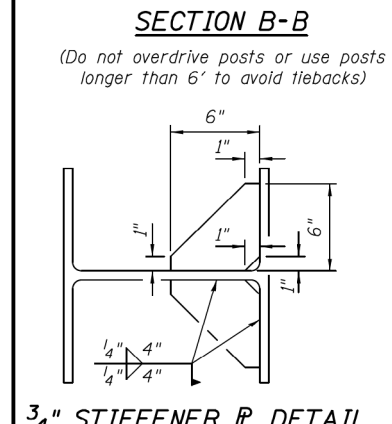
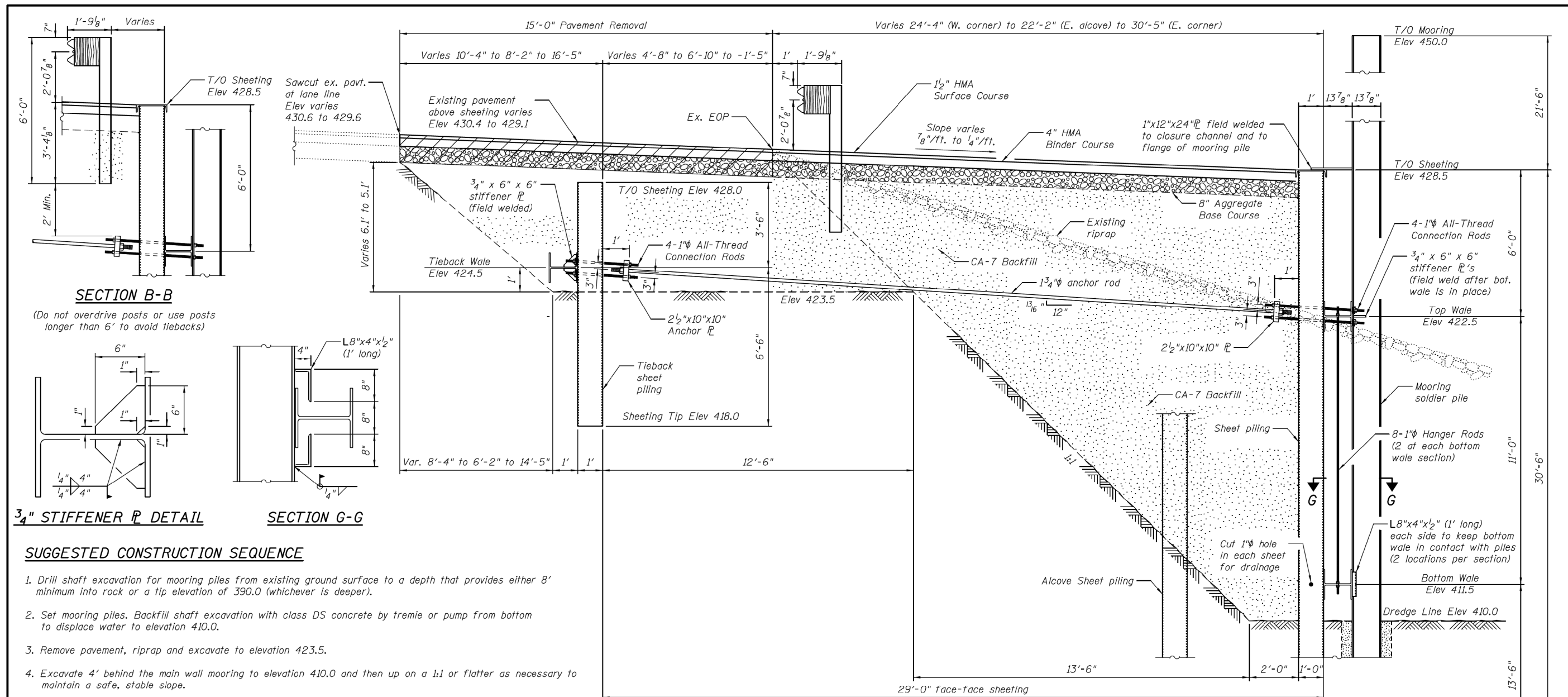
2014 SEAWALL PLANS
(FOR INFORMATION ONLY)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	52
CONTRACT NO. 76L56				

ILLINOIS FED. AID PROJECT * JERSEY & CALHOUN

FOR INFORMATION ONLY



- SUGGESTED CONSTRUCTION SEQUENCE**
1. Drill shaft excavation for mooring piles from existing ground surface to a depth that provides either 8' minimum into rock or a tip elevation of 390.0 (whichever is deeper).
 2. Set mooring piles. Backfill shaft excavation with class DS concrete by tremie or pump from bottom to displace water to elevation 410.0.
 3. Remove pavement, riprap and excavate to elevation 423.5.
 4. Excavate 4' behind the main wall mooring to elevation 410.0 and then up on a 1:1 or flatter as necessary to maintain a safe, stable slope.
 5. Tack weld top wale at elevation 422.5 and hang bottom wale below water to bear against the mooring pile at elevation 411.5.
 6. Drive wall sheeting against top and bottom wales to the top of rock. Install sheeting closure channel.
 7. Place uncompacted CA-7 behind wall sheeting and within alcoves (in equal lifts) up to water level or until mooring pile deflection is noted (whichever occurs first).
 8. Place additional CA-7 within alcove, cut alcove sheeting stairstepped at landing elevations, install alcove closure channels, form and pour concrete landings.
 9. Place riprap cone in front of both sheeting wingwalls as shown to the proposed finished grade.
 10. Drive tieback sheeting and tack weld tieback wale at elevation 424.5.
 11. Install anchor rods and connection rod assemblies.
 12. Place compacted CA-7 in front and behind anchor sheeting to elevation 428.0
 13. Place any uncompacted CA-7 to water level and then compacted CA-7 to bottom of 8" aggregate base course.
 14. Place aggregate base course, pavement, guardrail, etc.

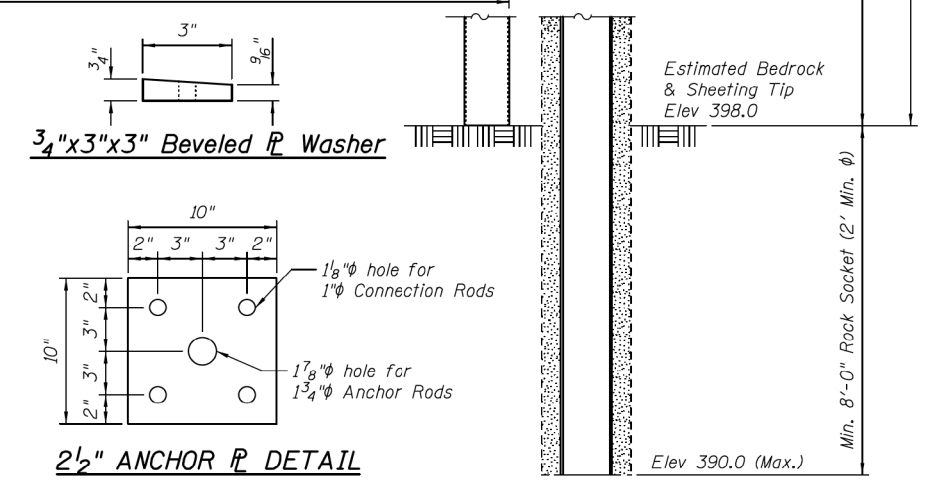
NOTES

The 1" All-Thread connection rods shall have standard washers at the 2 1/2" anchor pile and 3/4"x3"x3" beveled pile washers with nuts at the wale end.

The holes for the 1" connection rod shall be field drilled 1 1/8" in the flanges of the mooring piles and the tie-back wales, prior to tack welding the wale. The holes in the tie-back sheeting, wall sheeting, and top wale may be torch-cut with a maximum 1 1/2" hole, using the field drilled holes as a template.

All soldier piles and wales are HP14x89.

All 1" connection rods, 1" hanger rods, nuts, and washers shall be ASTM A722.



DESIGNED - John Uehle	EXAMINED - <i>Joanne F. DeLuca</i> ACTING ENGINEER OF BRIDGE DESIGN	DATE - SEPTEMBER 18, 2014	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WALL CROSS-SECTION 042-W001	F.A.P. RTE. 304	SECTION 2I-5	COUNTY JERSEY	TOTAL SHEETS 20	SHEET NO. 11	
CHECKED - Bill Kramer	PASSED - <i>Carl King</i> ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			CONTRACT NO. 76G94					
DRAWN - John Uehle	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT					
CHECKED - Bill Kramer	REVISED -	REVISED -			SHEET NO. 2 OF 5 SHEETS					

MODEL: Default
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USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 2,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

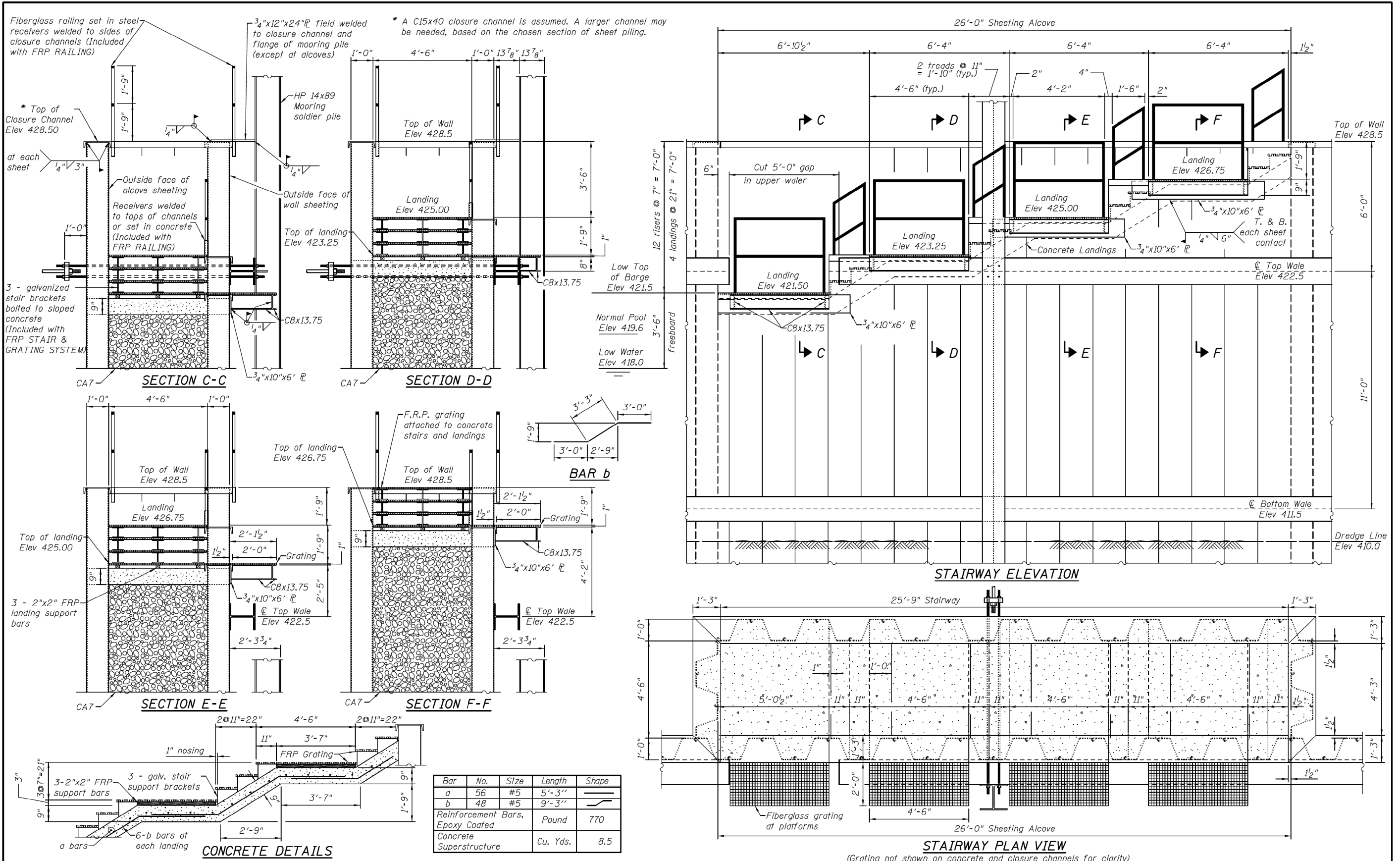
**2014 SEAWALL PLANS
(FOR INFORMATION ONLY)**

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

F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 53
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

FOR INFORMATION ONLY



DESIGNED - John Uehle
 CHECKED - Robert Peyman
 DRAWN - John Uehle
 CHECKED - Robert Peyman

EXAMINED
 PASSED
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - SEPTEMBER 18, 2014
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STAIR DETAILS
 042-W001

SHEET NO. 3 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	2I-5	JERSEY	20	12
CONTRACT NO. 76G94				
ILLINOIS FED. AID PROJECT				

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USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

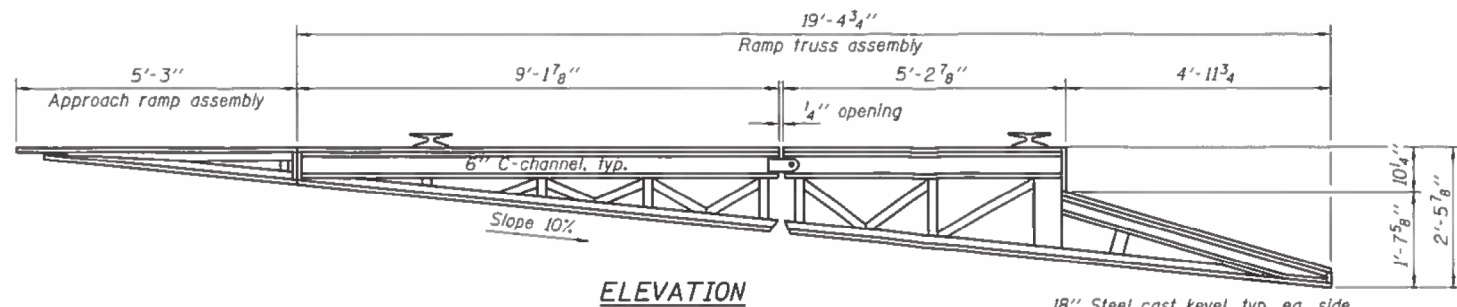
2014 SEAWALL PLANS
 (FOR INFORMATION ONLY)

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

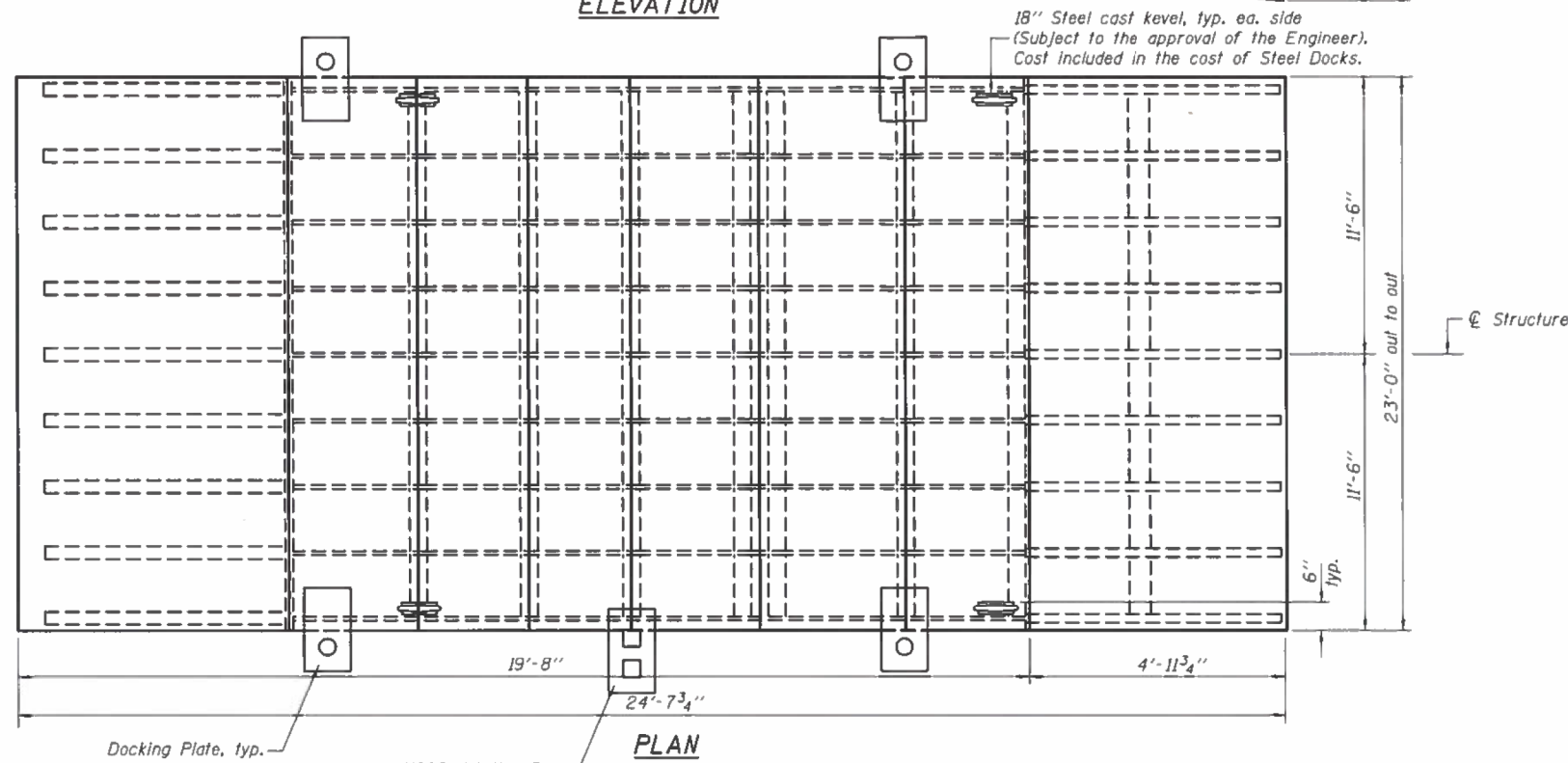
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	54
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

FOR INFORMATION ONLY

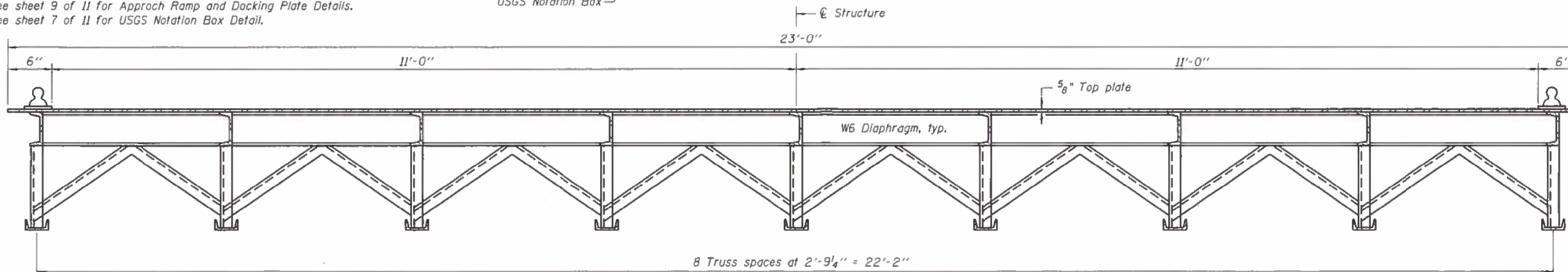


ELEVATION



PLAN

See sheet 9 of 11 for Approach Ramp and Docking Plate Details.
See sheet 7 of 11 for USGS Notation Box Detail.



CROSS SECTION

GENERAL NOTES

Calculated weight of Structural Steel for each steel dock = 27,580 Lbs. (M 270, Grade 50).
Field welding of construction accessories will not be permitted to the structure.
The Contractor shall review the geometry of component members based on anticipated cutting and assembly methods. Minor deviations from contract details shall be noted on the shop drawings submitted for the Engineer's approval, but will not justify additional compensation. Significant proposed changes (member size(s), joint configuration, etc.) must be accepted by the Engineer before shop drawing submission.
The organic zinc/epoxy/urethane paint system shall be used, with all coats shop applied, unless otherwise noted. The color of the final finish coat shall be Moderate Yellow, Munsell No. 10YR 7/8.
The Contractor shall relocate or remove existing ferry dock ramp as directed by the Engineer. See Roadway Plans and Special Provisions.
Corrugated bearing surfaces of 5/8" top diamond plate shall be ground down to provide a smooth surface for welding of docking plates, kevels, and USGS notation box.
The Fabricator shall assemble the hinges to ensure proper fit up and movement of the hinge assembly. Documentation shall be provided for the Engineer's approval.

TOTAL BILL OF MATERIAL

Item	Unit	Total
Steel Docks	Each	5



EXPIRES 11-30-2018

DESIGNED - *Clayton Pitt*
CHECKED - *Danlin Gumbly*
DRAWN - TIM CARNEY
CHECKED - *DHR/PG/SGA*

EXAMINED - *Jan S. Schell*
PASSED - *Tim Carney*
ENGINEER OF BRIDGE DESIGN
ENGINEER OF BRIDGES AND STRUCTURES

DATE - AUGUST 21, 2018

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL DOCK
(BRUSSELS AND KAMPSVILLE FERRY)

SHEET NO. 1 OF 11 SHEETS

STEEL DOCK
(BRUSSELS AND KAMPSVILLE FERRY)
F.A.P. RTE. 761/304 (IL 108/ IL 100)
SECTION 1011-7 AND 1191-3
GREENE & JERSEY COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	1011-7 & 1191-3	**	15	5

CONTRACT NO. 76155
ILLINOIS FED. AID PROJECT



USER NAME = esmith
DESIGNED -
DRAWN -
PLOT SCALE = 2,000' / in.
PLOT DATE = 1/17/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL DOCK PLANS
(FOR INFORMATION ONLY)

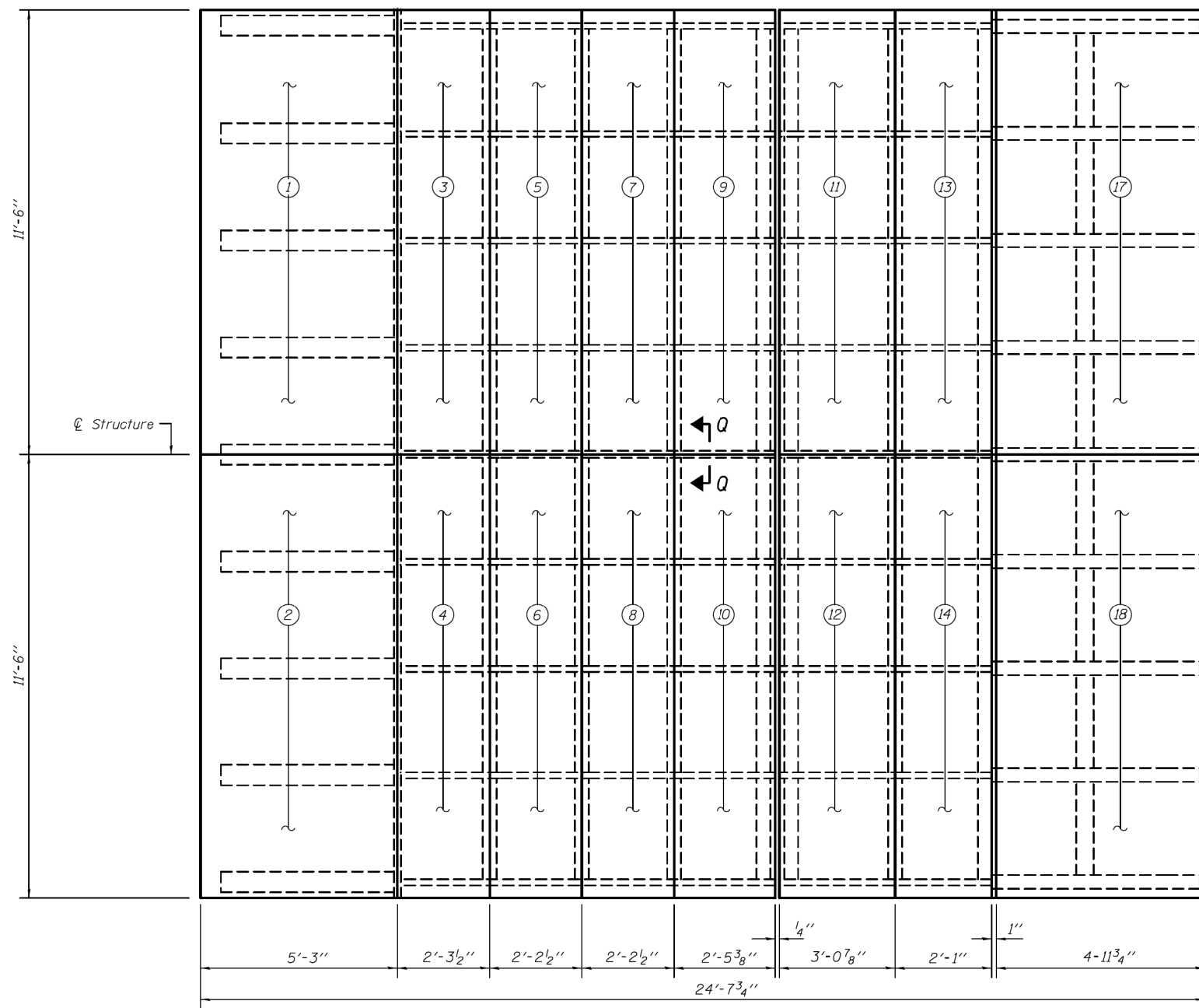
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	1191-4	*	84	55

CONTRACT NO. 76156
ILLINOIS FED. AID PROJECT

* JERSEY & CALHOUN

FOR INFORMATION ONLY



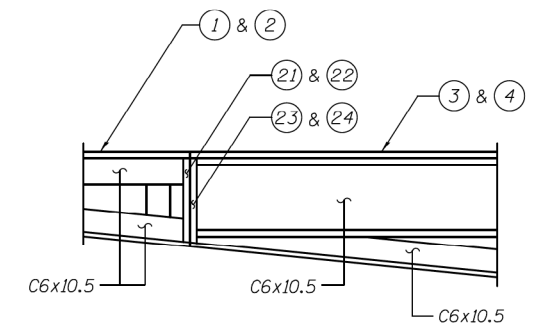
PLAN

(Shows the outside edge of the top plates)
 Dimensions shown do not include the 3/8" gap between plates 3 thru 10 and 11 thru 14.
 There is no gap between plates 1 & 3 and 2 & 4.

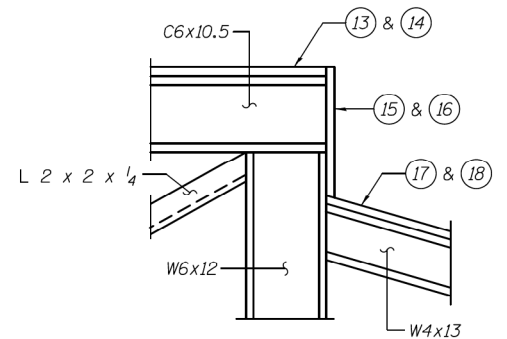
Notes: Diamond plating shall be used for all areas subjected to vehicular traffic.
 See sheet 3 of 11 for plate dimensions.
 See sheet 8 of 11 for the location of Details A, B, & C.
 See sheet 10 of 11 for Section Q-Q.

**PLATE ASSEMBLY
 BILL OF MATERIALS
 FOR ONE STEEL DOCK**

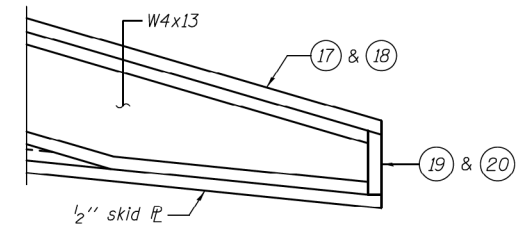
Plate No.	Description	Estimated weight (lb.)
1	Plate - Top 5/8" steel P	1570
2		1570
3		681
4		681
5		651
6		651
7		651
8		651
9		728
10		728
11	Plate - Top 5/8" steel P	914
12		914
13		619
14		619
15	Plate - Strike 1" steel P	408
16		408
17	Plate - Apron rub 3/4" steel P	1876
18		1876
19	Plate - Front 3/4" steel P	71
20		71
21	Plate - Front 1/2" steel P	118
22		118
23	Plate - Rear 1/2" steel P	120
24		120
25	Plate - Skid 1/2" steel P	416
26		849
27		947
Total weight of plate assembly		19,026



DETAIL A



DETAIL B



DETAIL C

DESIGNED - DAVID RICHTER	EXAMINED - <i>Jaime F. J. [Signature]</i>	DATE - AUGUST 21, 2018
CHECKED - PAUL GURKLYS	PASSED - <i>Carl King [Signature]</i>	
DRAWN - TIM CARNEY		
CHECKED - DHR/PG/GRA		

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLATE ASSEMBLY
 (BRUSSELS AND KAMPSVILLE FERRY)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	101I-7 & 119I-3	**	15	6
			CONTRACT NO. 76L56	
ILLINOIS FED. AID PROJECT				

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USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

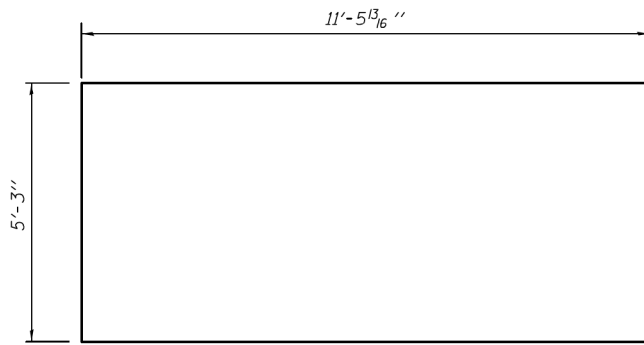
**STEEL DOCK PLANS
 (FOR INFORMATION ONLY)**

SCALE: N.T.S. SHEET 2 OF 11 SHEETS STA. TO STA.

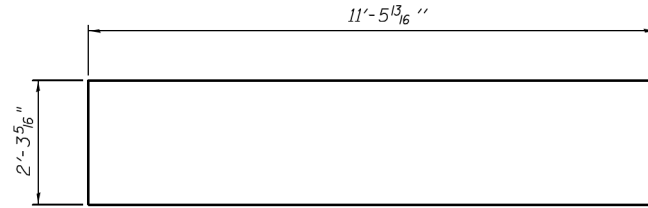
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119I-4	*	84	56
			CONTRACT NO. 76L56	
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

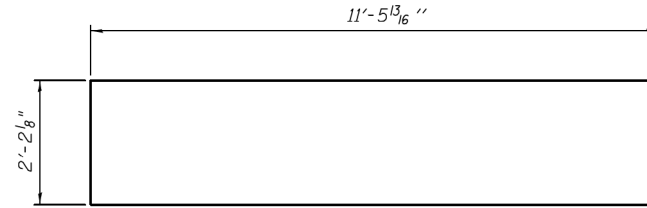
FOR INFORMATION ONLY



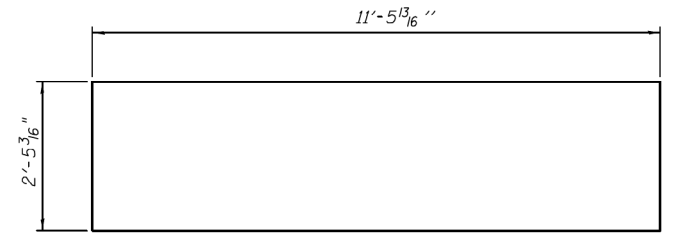
TOP PLATES 1 & 2
5/8" steel PL



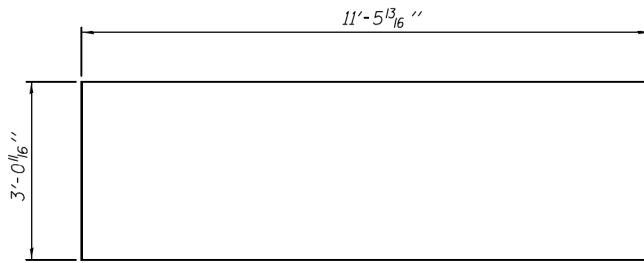
TOP PLATES 3 & 4
5/8" steel PL



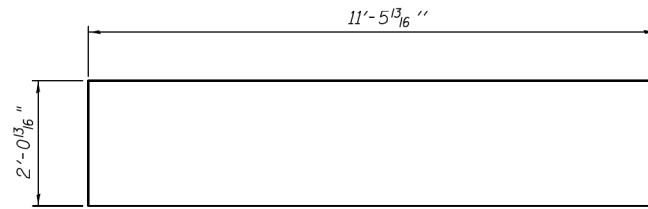
TOP PLATES 5, 6, 7 & 8
5/8" steel PL



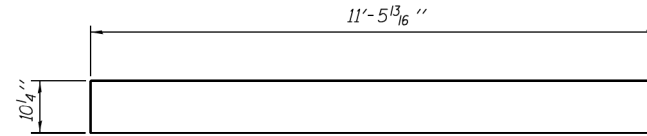
TOP PLATES 9 & 10
5/8" steel PL



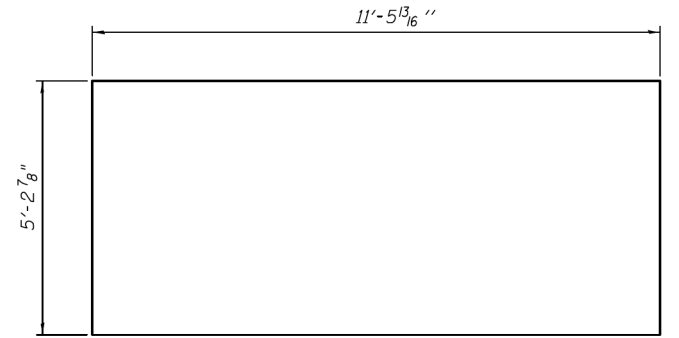
TOP PLATES 11 & 12
5/8" steel PL



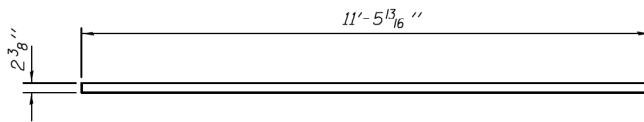
TOP PLATES 13 & 14
5/8" steel PL



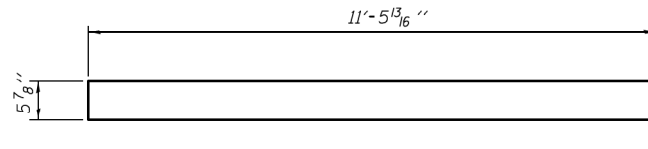
STRIKE PLATES 15 & 16
1" steel PL



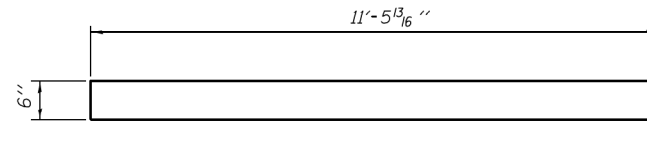
APRON RUB PLATES 17 & 18
3/4" steel PL



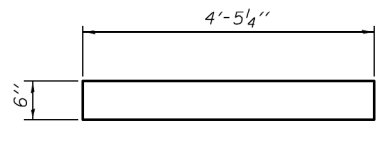
FRONT PLATES 19 & 20
3/4" steel PL



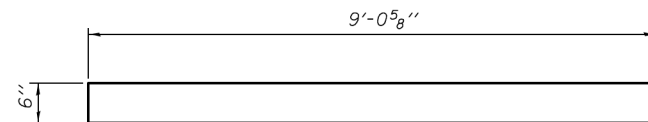
FRONT PLATES 21 & 22
1/2" steel PL



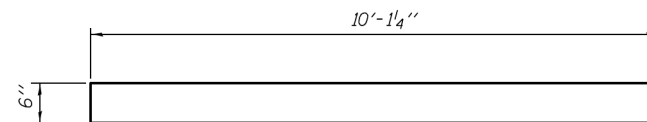
REAR PLATES 23 & 24
1/2" steel PL



SKID PLATE 25
1/2" steel PL
(9 required)



SKID PLATE 26
1/2" steel PL
(9 required)



SKID PLATE 27
1/2" steel PL
(9 required)

Notes: For location of plates 25, 26, & 27, see sheet 8 of 11.

DESIGNED - DAVID RICHTER
CHECKED - PAUL GURKLYS
DRAWN - TIM CARNEY
CHECKED - DHR/PG/GRA

EXAMINED *Jaime F. Alfaro* DATE - AUGUST 21, 2018
PASSED *Carl King*
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLATE DETAILS
(BRUSSELS AND KAMPSVILLE FERRY)
SHEET NO. 3 OF 11 SHEETS

F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304		119I-4	*	84	57
				CONTRACT NO. 76L55	
ILLINOIS FED. AID PROJECT					

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PLOT SCALE = 2,000' / in.
PLOT DATE = 1/17/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

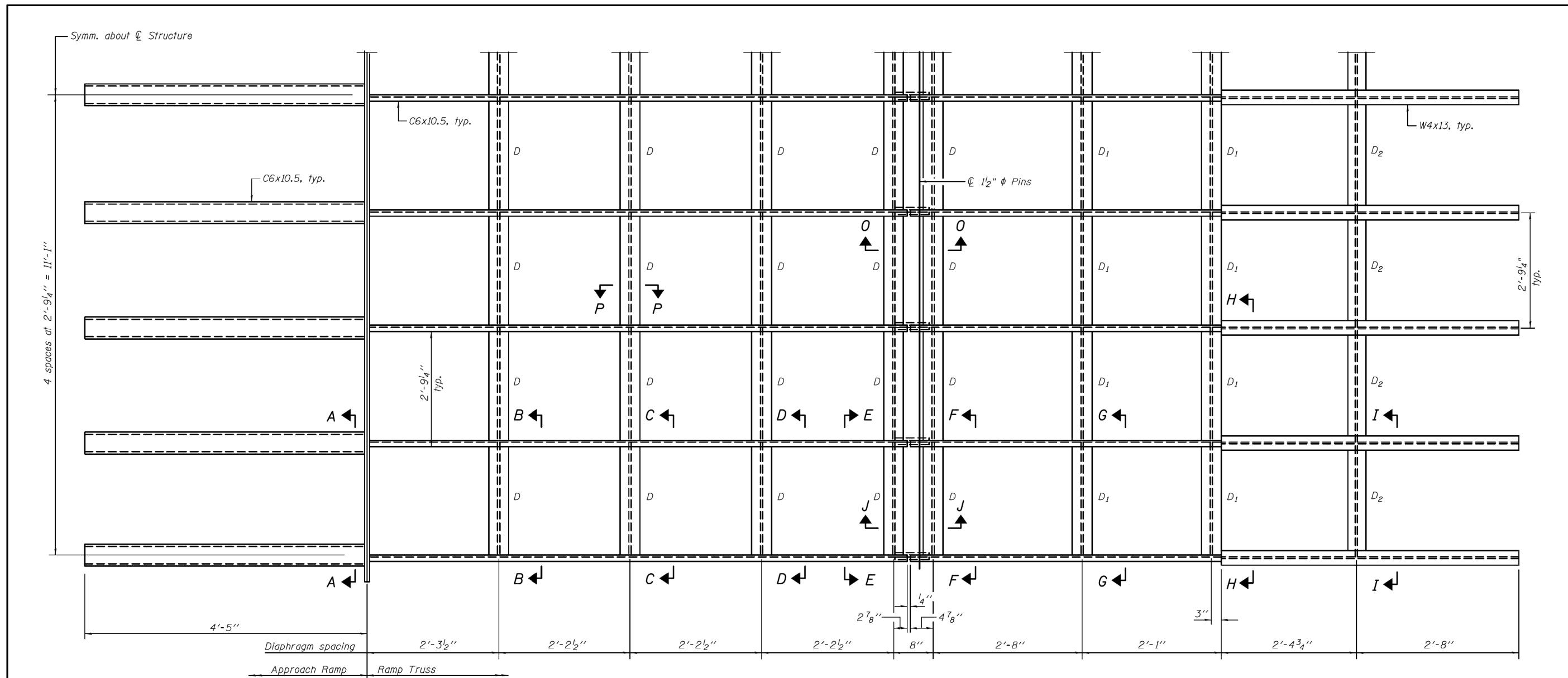
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL DOCK PLANS
(FOR INFORMATION ONLY)
SCALE: N.T.S. SHEET 3 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119I-4	*	84	57
				CONTRACT NO. 76L55
ILLINOIS FED. AID PROJECT				

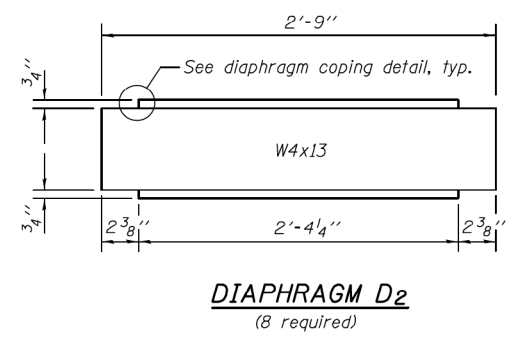
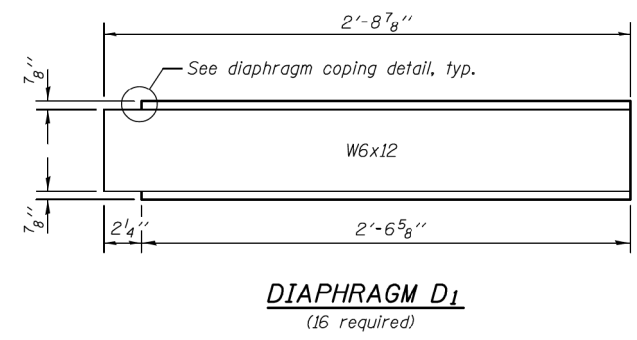
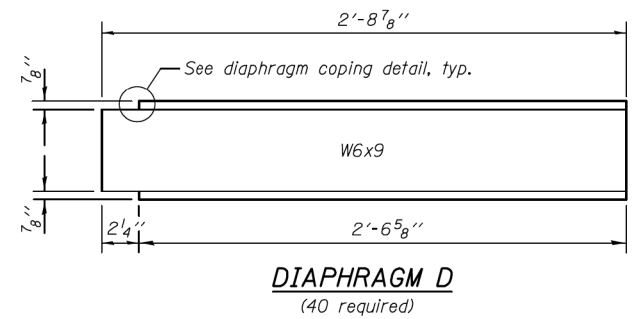
* JERSEY & CALHOUN

FOR INFORMATION ONLY



FRAMING PLAN

(Showing top of framing plan)
(Bump Plates not shown for clarity, see sheet 7 of 11)



Notes: See sheets 6 & 7 of 11 for Sections A-A thru J-J.
See sheet 10 of 11 for Section O-O and Section P-P.
See sheet 11 of 11 for diaphragm coping detail.

DESIGNED - DAVID RICHTER	EXAMINED	DATE - AUGUST 21, 2018
CHECKED - PAUL GURKLYS	 ENGINEER OF BRIDGE DESIGN	
DRAWN - TIM CARNEY	PASSED	 ENGINEER OF BRIDGES AND STRUCTURES
CHECKED - DHR/PG/GRA		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL
(BRUSSELS AND KAMPSVILLE FERRY)

SHEET NO. 4 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119I-7 & 119I-3	**	15	8
			CONTRACT NO. 76L55	
ILLINOIS FED. AID PROJECT				

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PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

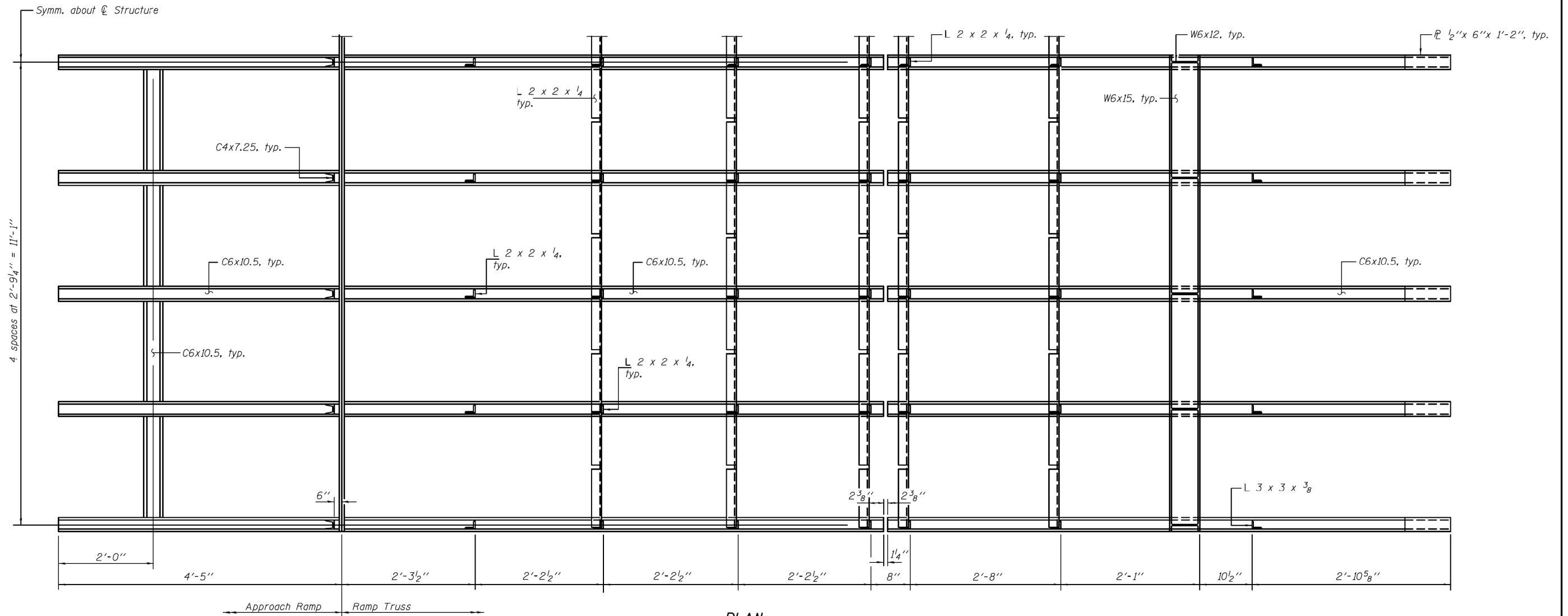
STEEL DOCK PLANS
(FOR INFORMATION ONLY)

SCALE: N.T.S. SHEET 4 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119I-4	*	84	58
			CONTRACT NO. 76L56	
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

FOR INFORMATION ONLY



DESIGNED - DAVID RICHTER	EXAMINED	DATE - AUGUST 21, 2018
CHECKED - PAUL GURKLYS	 ENGINEER OF BRIDGE DESIGN	
DRAWN - TIM CARNEY	PASSED	 ENGINEER OF BRIDGES AND STRUCTURES
CHECKED - DHR/PG/GRA		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
---	--

FRAMING PLAN (BRUSSELS AND KAMPSVILLE FERRY)	
SHEET NO. 5 OF 11 SHEETS	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	101I-7 & 119I-3	**	15	9
CONTRACT NO. 76L55				

• 761/304
•• GREENE AND JERSEY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	119I-4	*	84	59
CONTRACT NO. 76L56				

ILLINOIS FED. AID PROJECT

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PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
---	--

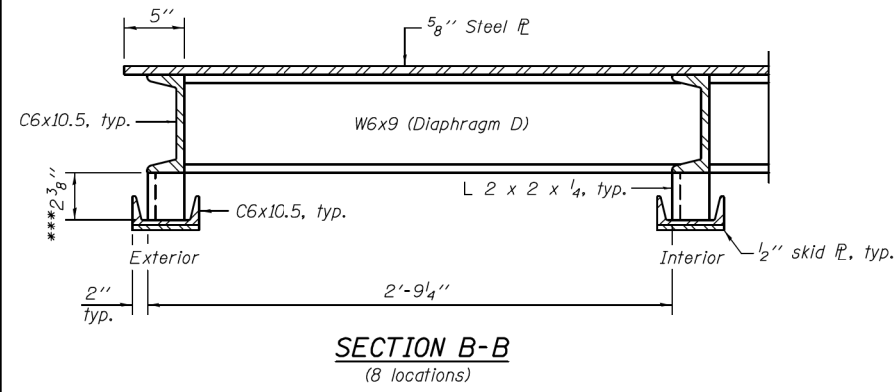
STEEL DOCK PLANS (FOR INFORMATION ONLY)		
SCALE: N.T.S.	SHEET 5 OF 11 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119I-4	*	84	59
CONTRACT NO. 76L56				

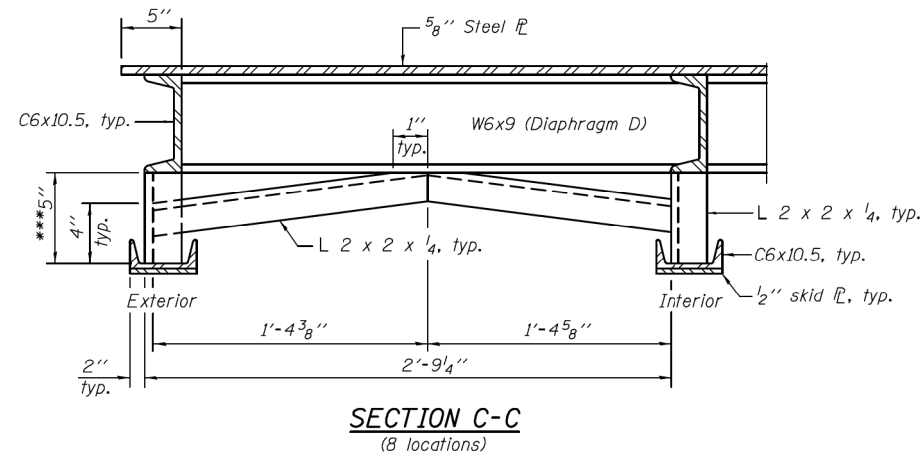
ILLINOIS FED. AID PROJECT

* JERSEY & CALHOUN

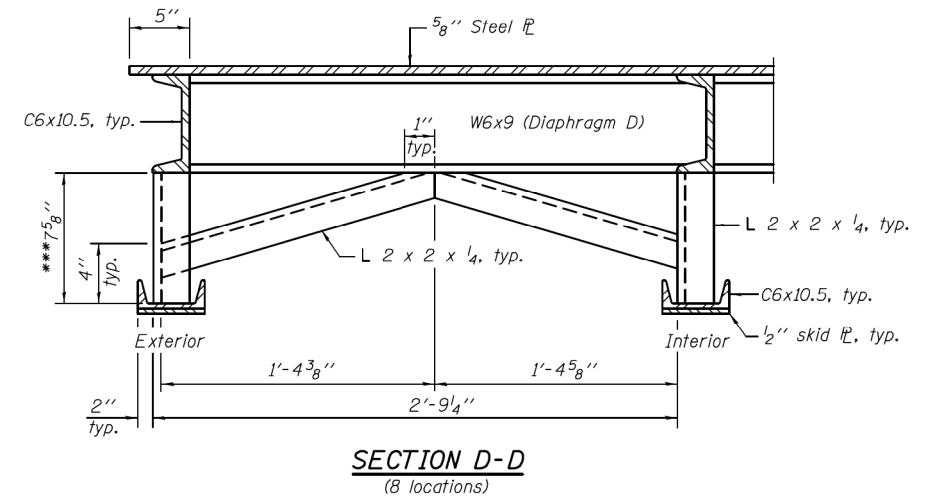
FOR INFORMATION ONLY



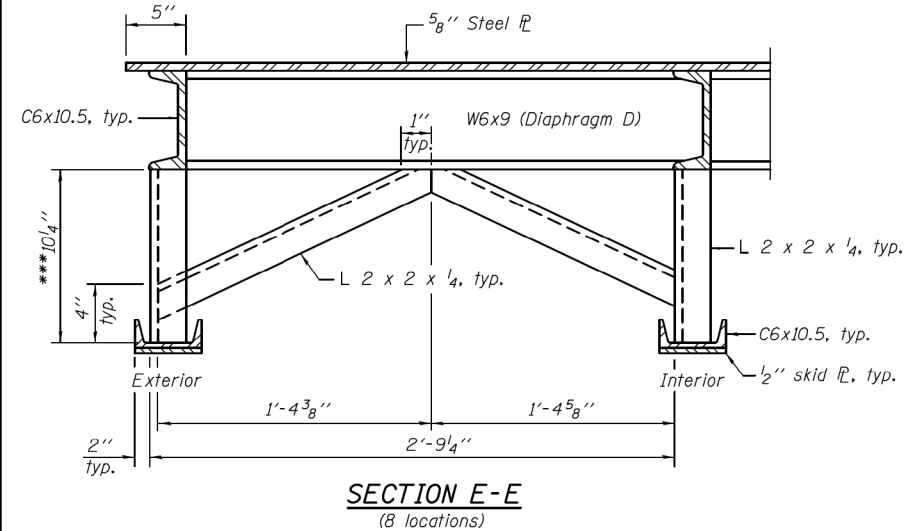
SECTION B-B
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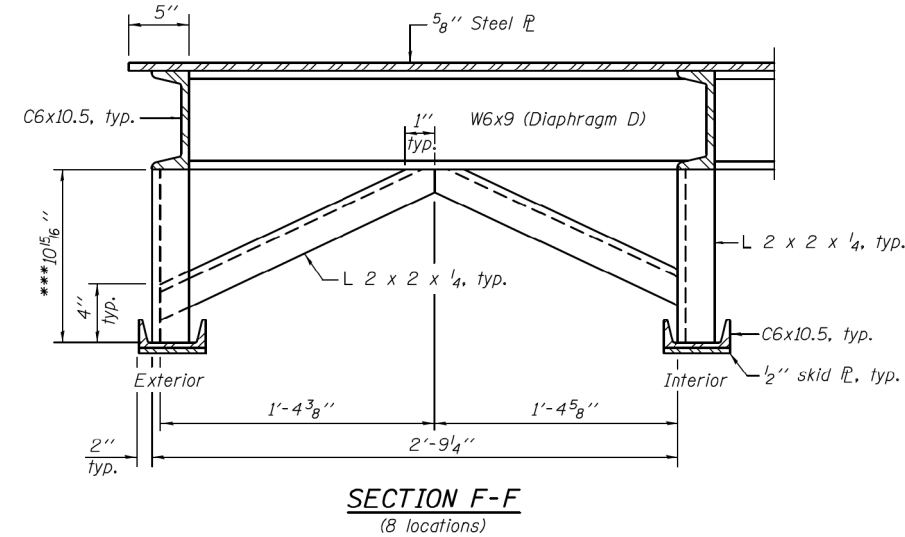
SECTION C-C
(8 locations)



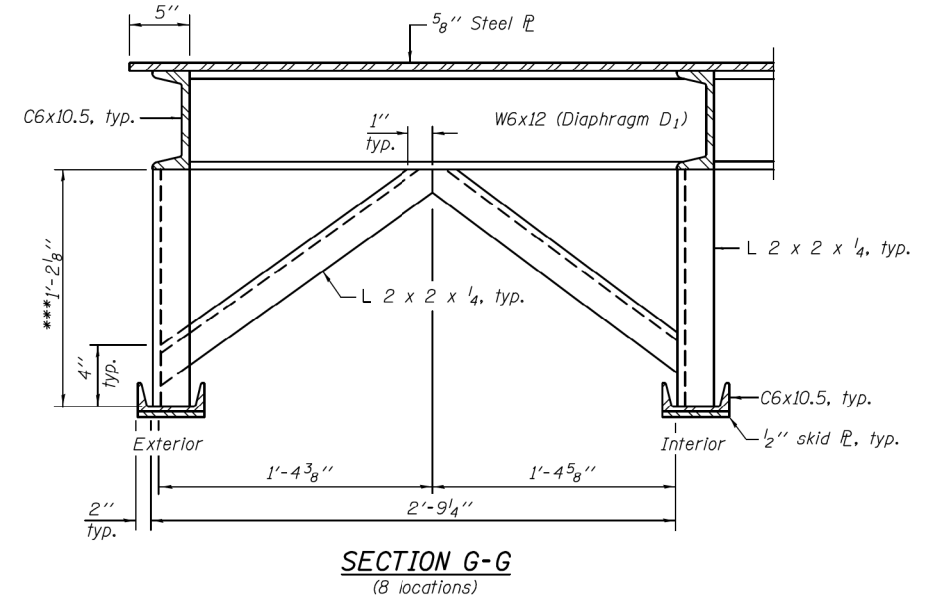
SECTION D-D
(8 locations)



SECTION E-E
(8 locations)

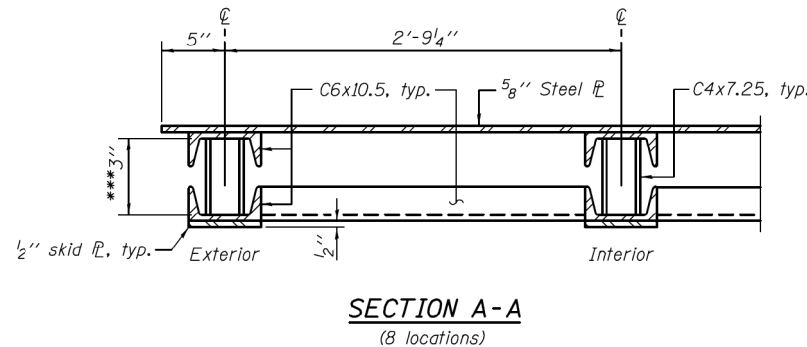


SECTION F-F
(8 locations)



SECTION G-G
(8 locations)

*** Measured at ϕ of diaphragm.



SECTION A-A
(8 locations)

DESIGNED - DAVID RICHTER	EXAMINED	DATE - AUGUST 21, 2018
CHECKED - PAUL GURKLYS	<i>Jaime F. J. [Signature]</i>	
DRAWN - TIM CARNEY	PASSED	
CHECKED - DHR/PG/GRA	<i>Carl King [Signature]</i>	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS FRAME DETAILS
(BRUSSELS AND KAMPSVILLE FERRY)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 761/304	• 101I-7 & 119I-3	• •	15	10
•• GREENE AND JERSEY			CONTRACT NO. 76L55	

SHEET NO. 6 OF 11 SHEETS

ILLINOIS FED. AID PROJECT



USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL DOCK PLANS
(FOR INFORMATION ONLY)

SCALE: N.T.S. SHEET 6 OF 11 SHEETS STA. TO STA.

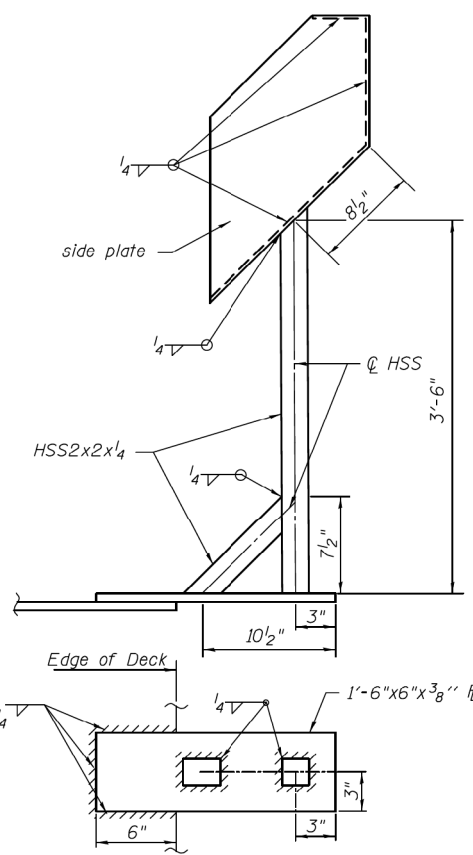
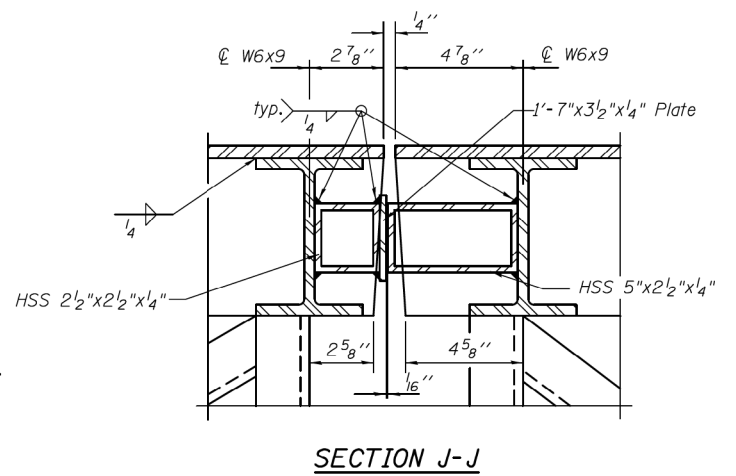
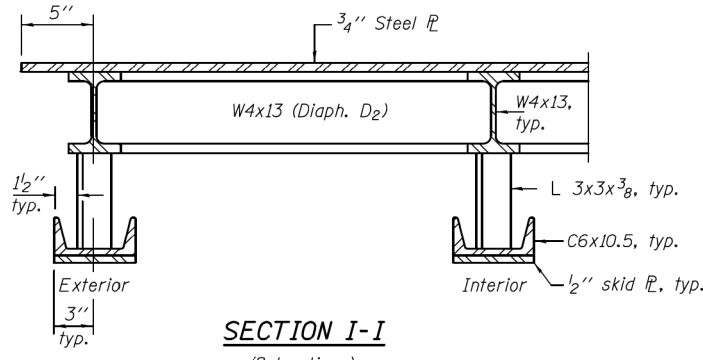
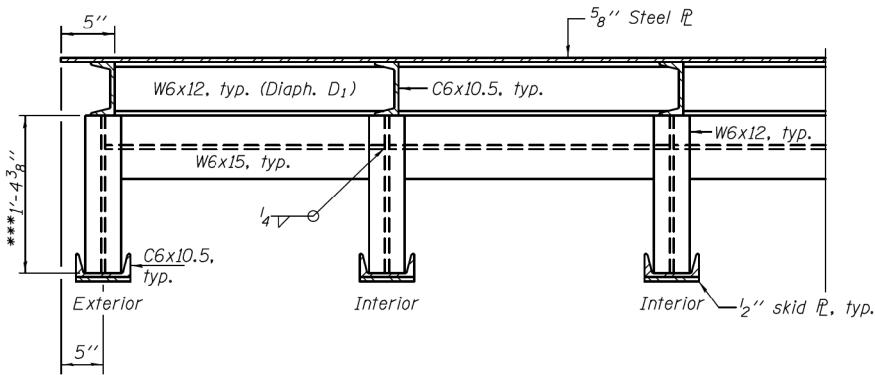
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119I-4	*	84	60
			CONTRACT NO. 76L56	

ILLINOIS FED. AID PROJECT

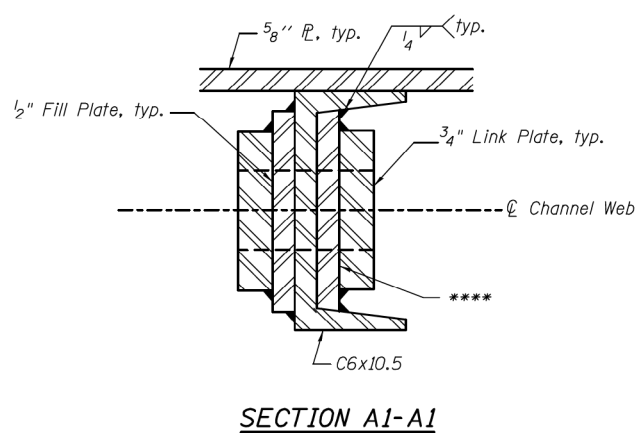
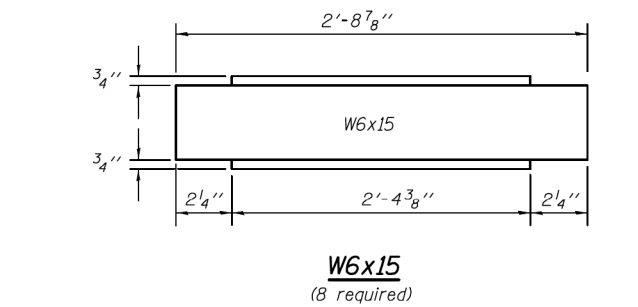
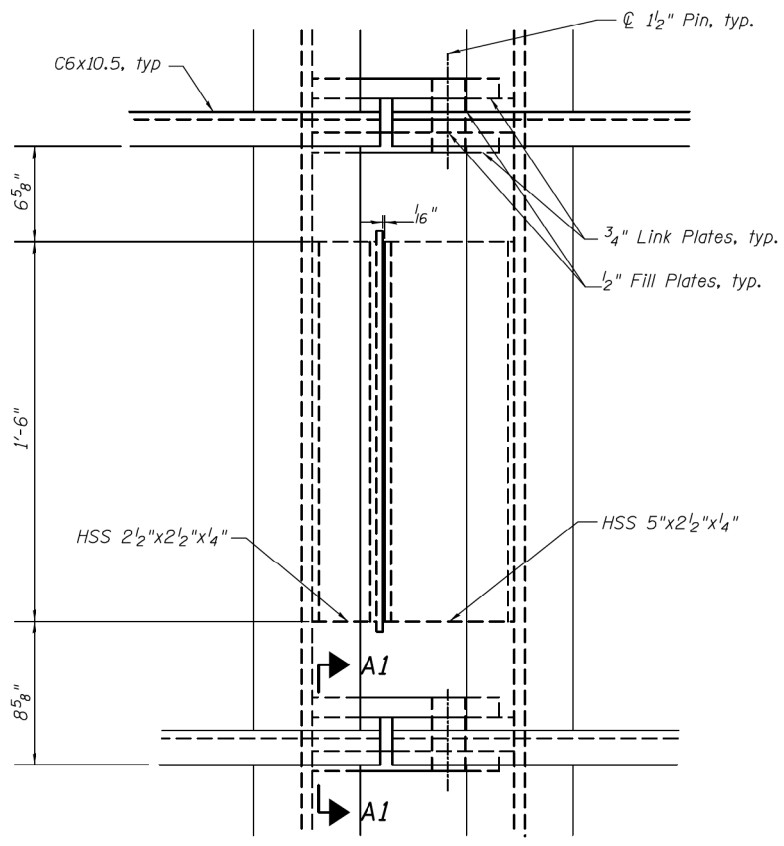
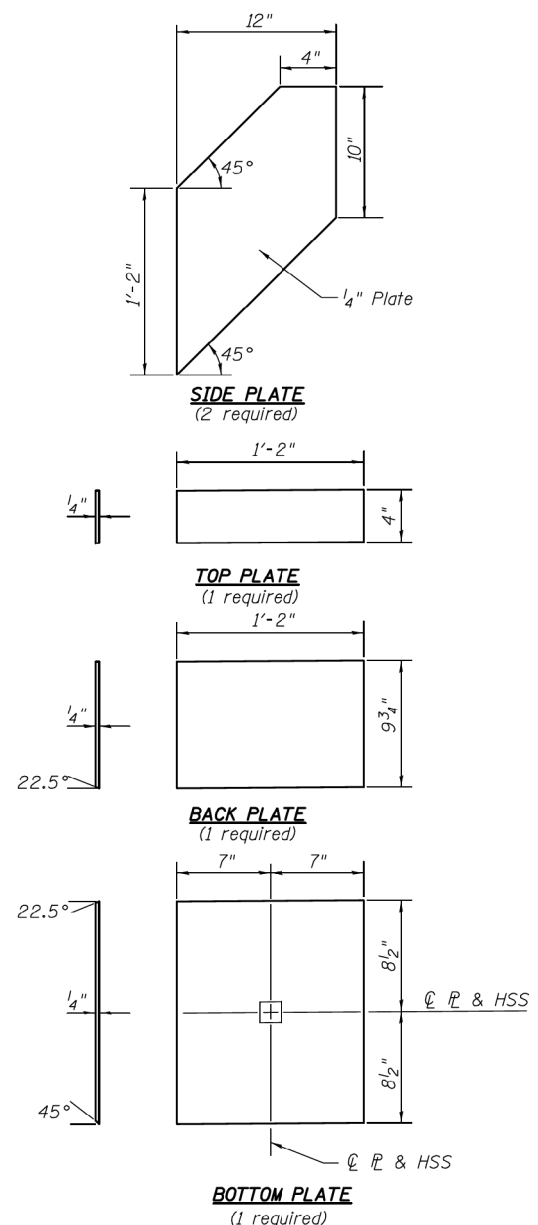
* JERSEY & CALHOUN

MODEL: Default
FILE NAME: P:\20091\Brussels_Ferry\A_CADD - DWG\4.7_Tran\CAD_Sheets\076L56-PL-DR-steeldock.dgn

FOR INFORMATION ONLY



A clear, weatherproof polyurethane cover shall be provided and attached to the top plate of the USGS Notation Box by a hinge connector. Cost shall be included with "Steel Docks".



Notes: See sheet 10 of 11 for Fill Plate and Link Plate Details
 **** Grind width of plate to fit inside C6x10.5.

DESIGNED - DAVID RICHTER	EXAMINED - <i>Jaime F. J. [Signature]</i>	DATE - AUGUST 21, 2018
CHECKED - PAUL GURKLYS	PASSED - <i>Carl King [Signature]</i>	
DRAWN - TIM CARNEY		
CHECKED - DHR/PG/GRA		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS FRAME DETAILS
 (BRUSSELS AND KAMPSVILLE FERRY)
 SHEET NO. 7 OF 11 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119I-4	*	84	61
			CONTRACT NO. 76L56	



USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

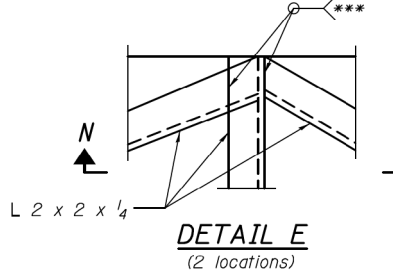
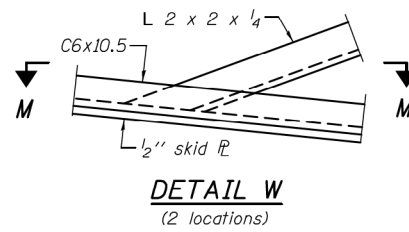
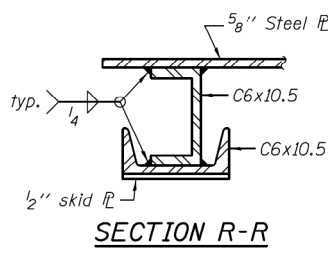
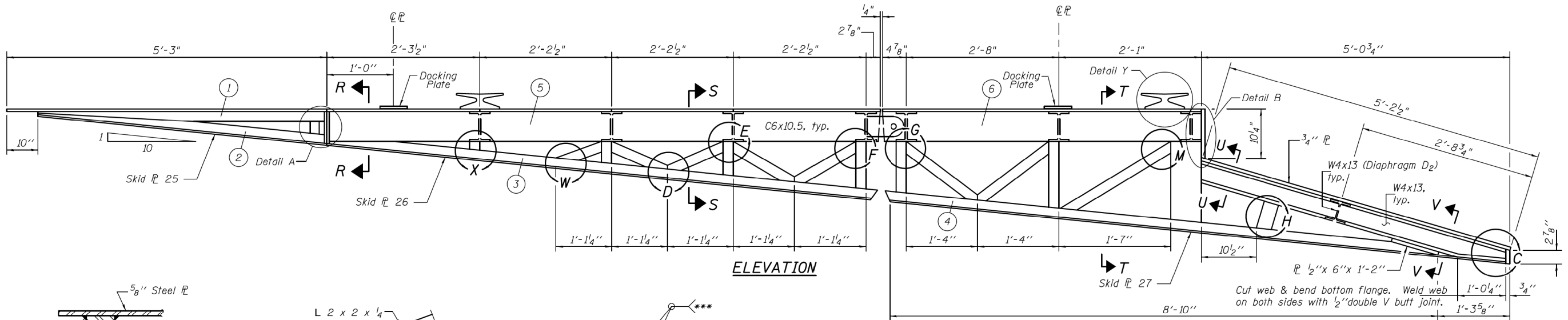
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STEEL DOCK PLANS
 (FOR INFORMATION ONLY)
 SCALE: N.T.S. SHEET 7 OF 11 SHEETS STA. TO STA.

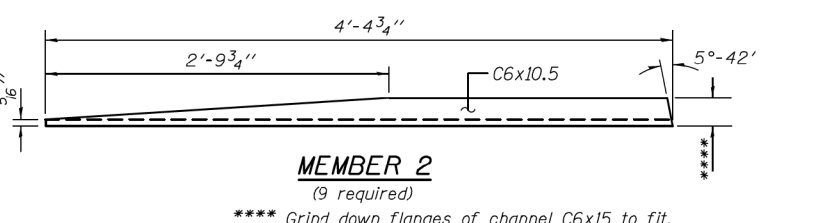
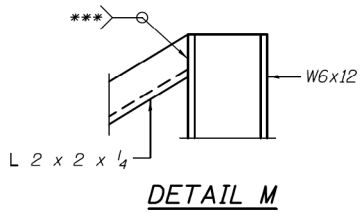
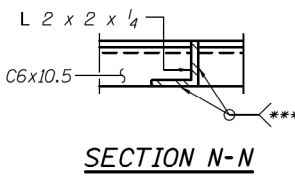
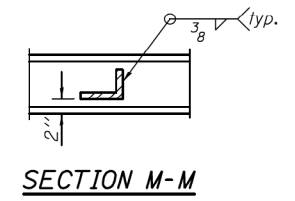
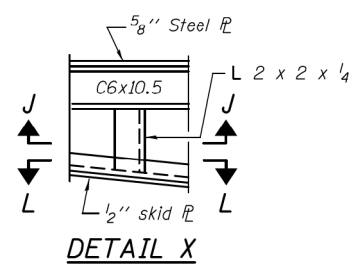
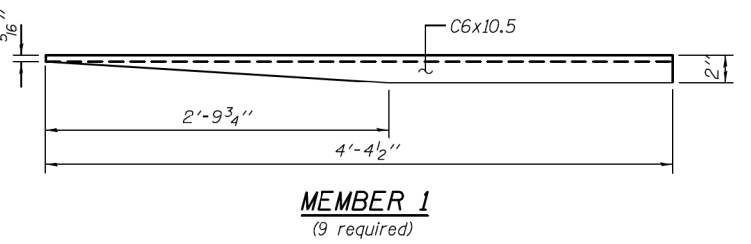
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119I-4	*	84	61
			CONTRACT NO. 76L56	

* JERSEY & CALHOUN

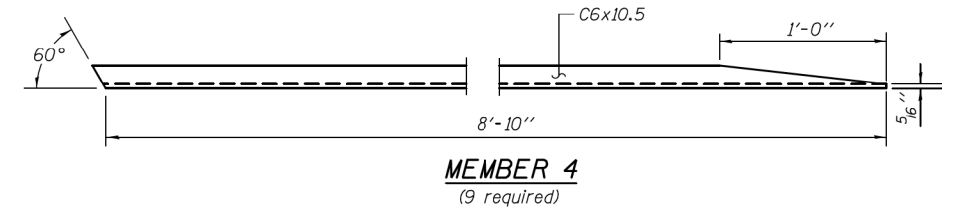
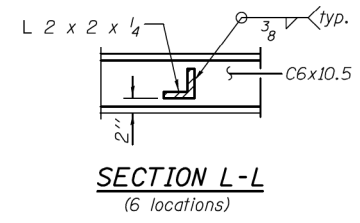
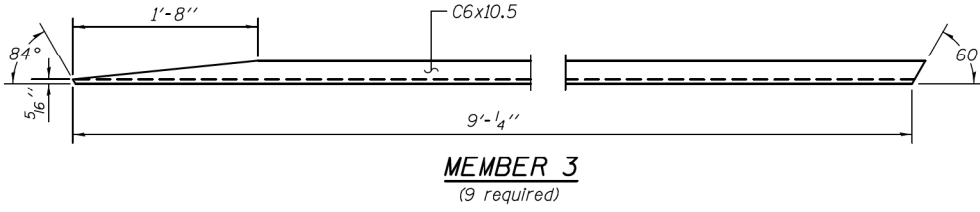
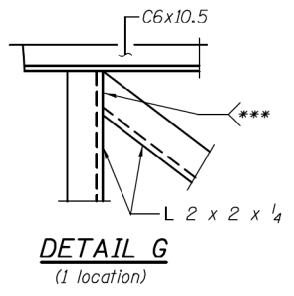
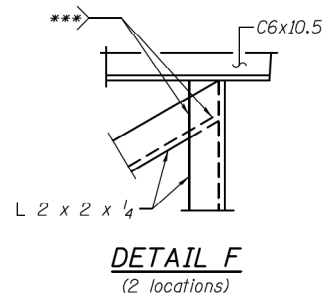
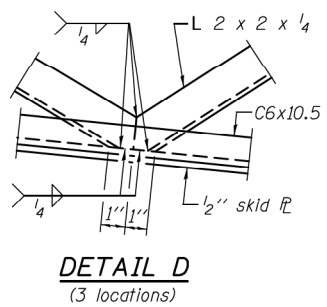
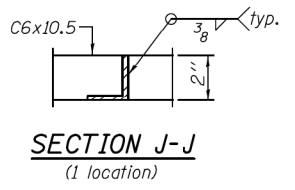
FOR INFORMATION ONLY



*** Weld is to be a 1/4" fillet, or 1/4" grooved as required



**** Grind down flanges of channel C6x15 to fit.



Notes: See sheet 9 of 11 for Sections S-S, T-T, U-U, V-V and Details C, H & Y.
See sheet 10 of 11 for members 5 and 6.
For Details A, B, and C, see sheet 2 of 11.
See Sheet 3 of 11 for skid plates 25, 26 and 27.

DESIGNED - DAVID RICHTER	EXAMINED - <i>Jaime F. J. Hoff</i> ENGINEER OF BRIDGE DESIGN	DATE - AUGUST 21, 2018	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL STEEL MEMBERS (BRUSSELS AND KAMPSVILLE FERRY)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - PAUL GURKLYS	PASSED - <i>Carl King</i> ENGINEER OF BRIDGES AND STRUCTURES				304	119I-4	**	15	12
DRAWN - TIM CARNEY			SHEET NO. 8 OF 11 SHEETS		CONTRACT NO. 76L55				
CHECKED - DHR/PG/GRA					ILLINOIS FED. AID PROJECT				

MODEL: Defaul; FILE NAME: P:\2009\Brussels_Ferry\CAD - DWG\4.7_Tran\CAD_Sheets\0876L55-Str-Steel.dwg



USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 2,000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

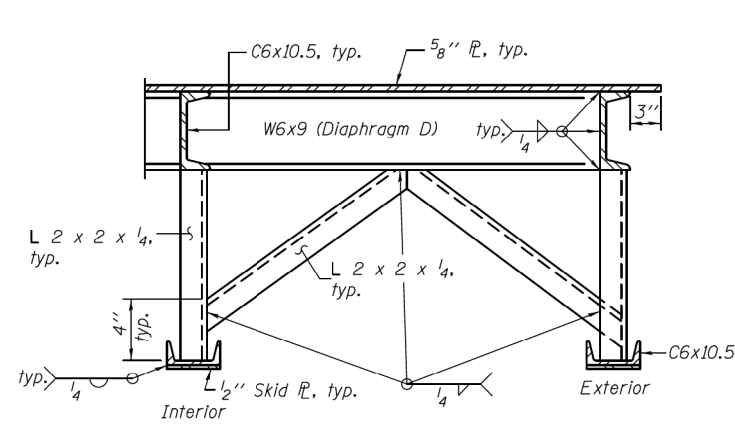
STEEL DOCK PLANS
(FOR INFORMATION ONLY)

SCALE: N.T.S. SHEET 8 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119I-4	*	84	62
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

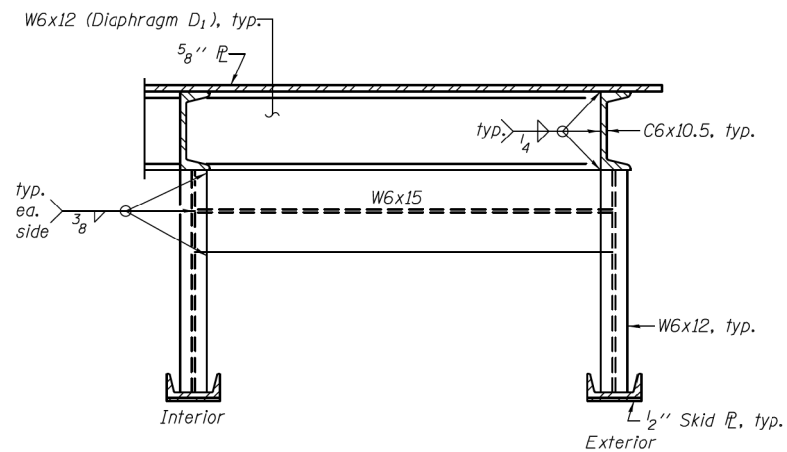
* JERSEY & CALHOUN

FOR INFORMATION ONLY



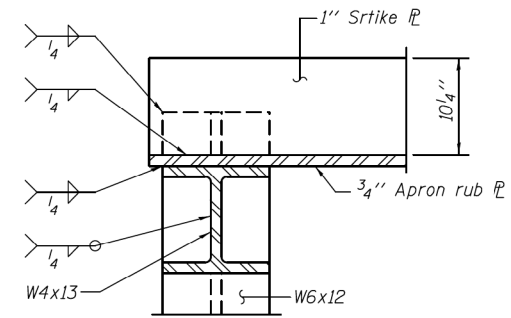
SECTION S-S

Typical welding diagram at each diaphragm and diaphragm bracing.

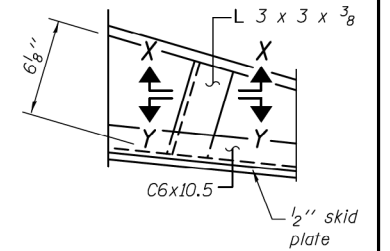


SECTION T-T

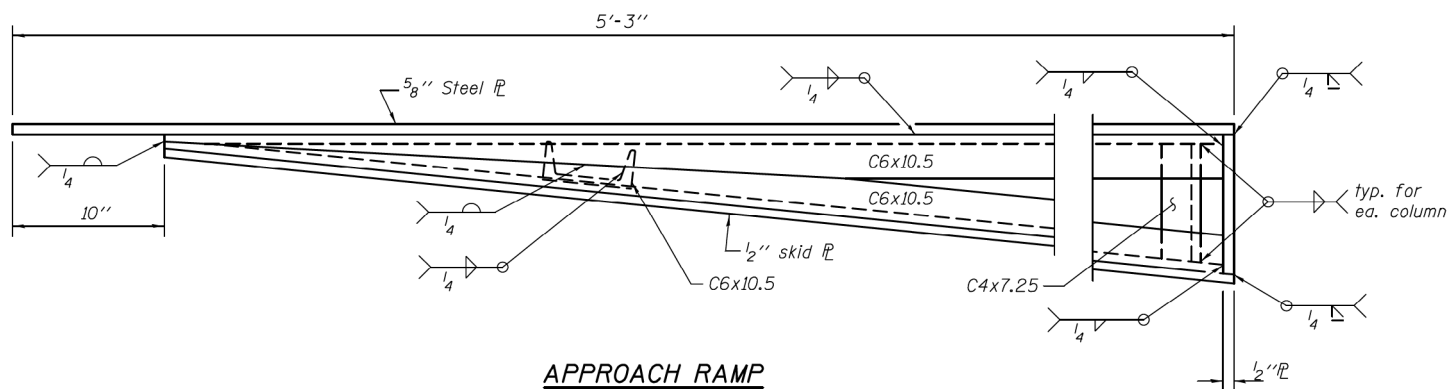
Typical welding diagram at each end diaphragm.



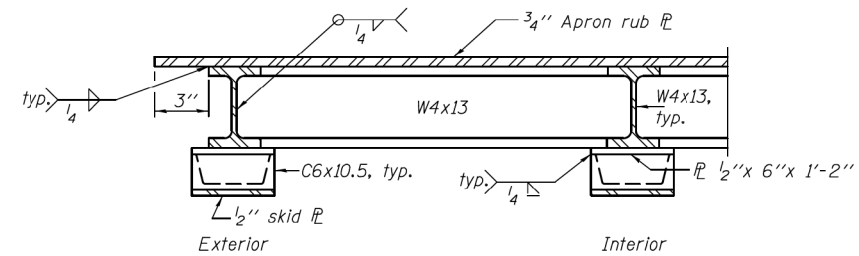
SECTION U-U



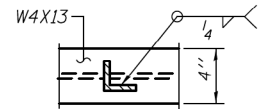
DETAIL H



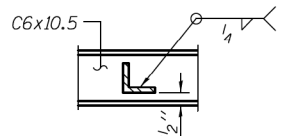
APPROACH RAMP



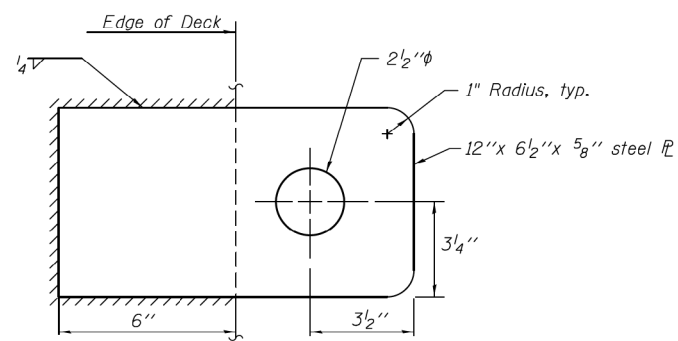
SECTION V-V
(8 locations)



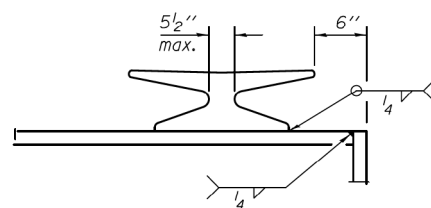
SECTION X-X



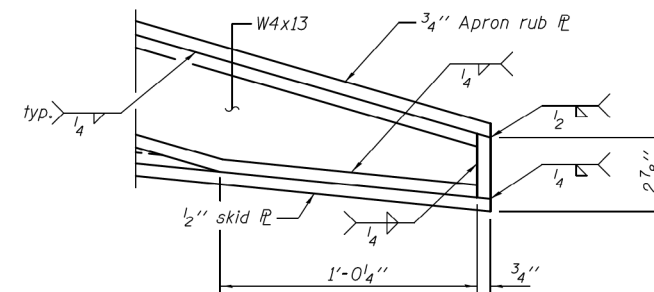
SECTION Y-Y



DOCKING PLATE



DETAIL Y



DETAIL C
(Showing welds)

DESIGNED - DAVID RICHTER
CHECKED - PAUL GURKLYS
DRAWN - TIM CARNEY
CHECKED - DHR/PG/GRA

EXAMINED *Jaime F. J. [Signature]* DATE - AUGUST 21, 2018
PASSED *[Signature]*
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WELD DETAILS
(BRUSSELS AND KAMPSVILLE FERRY)

SHEET NO. 9 OF 11 SHEETS

• 761/304
•• GREENE AND JERSEY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	101I-7 & 119I-3	••	15	13
			CONTRACT NO. 76L55	
ILLINOIS FED. AID PROJECT				



USER NAME = esmith
PLOT SCALE = 2,0000' / in.
PLOT DATE = 1/17/2019

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S. SHEET 9 OF 11 SHEETS STA. TO STA.

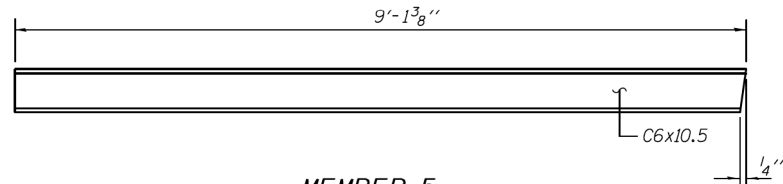
STEEL DOCK PLANS
(FOR INFORMATION ONLY)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119I-4	*	84	63
			CONTRACT NO. 76L56	
ILLINOIS FED. AID PROJECT				

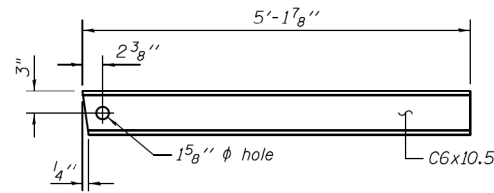
* JERSEY & CALHOUN

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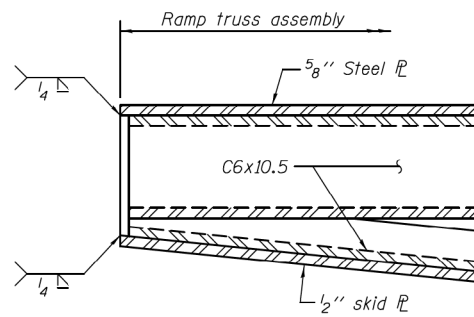
FOR INFORMATION ONLY



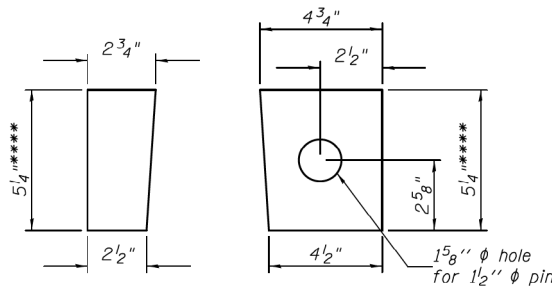
MEMBER 5
(9 required)



MEMBER 6
(9 required)

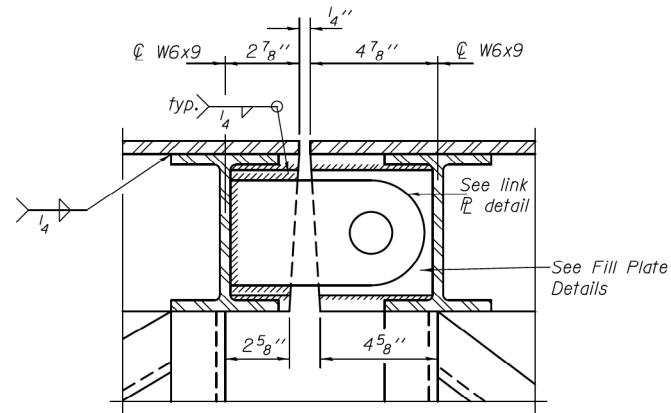


DETAIL A
(Showing welds)



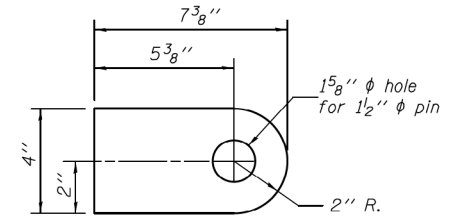
FILL PLATE DETAILS
1/2\"/>

**** Grind width of plate to fit inside C6x10.5.



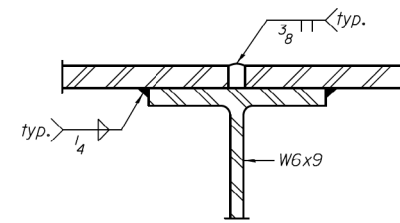
SECTION 0-0

(Link PL and Fill PL on both sides of channel web)



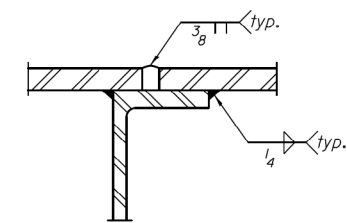
LINK PLATE DETAIL

3/4\"/>



SECTION P-P

(C6 not shown for clarity)



SECTION Q-Q

Notes: See sheet 2 of 11 for location of Section Q-Q.
See sheet 4 of 11 for location of Sections 0-0,
& P-P.

DESIGNED - DAVID RICHTER	EXAMINED	DATE - AUGUST 21, 2018
CHECKED - PAUL GURKLYS	 ENGINEER OF BRIDGES AND STRUCTURES	
DRAWN - TIM CARNEY		
CHECKED - DHR/PG/GRA		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WELD DETAILS
(BRUSSELS AND KAMPSVILLE FERRY)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 761/304 •• GREENE AND JERSEY	101I-7 & 119I-3	**	15	14
CONTRACT NO. 76L55			ILLINOIS FED. AID PROJECT	

USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STEEL DOCK PLANS
(FOR INFORMATION ONLY)**

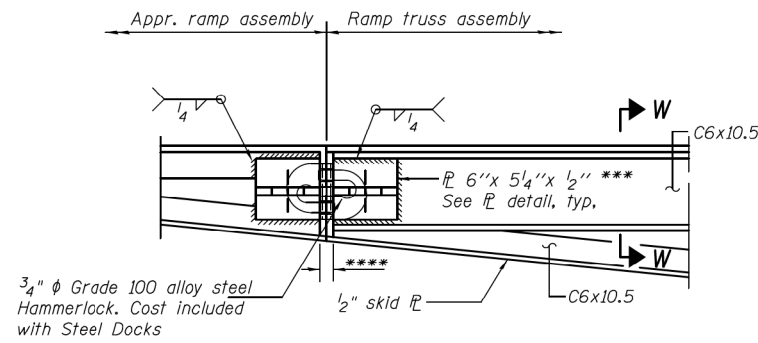
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119I-4	*	84	64
CONTRACT NO. 76L56			ILLINOIS FED. AID PROJECT	

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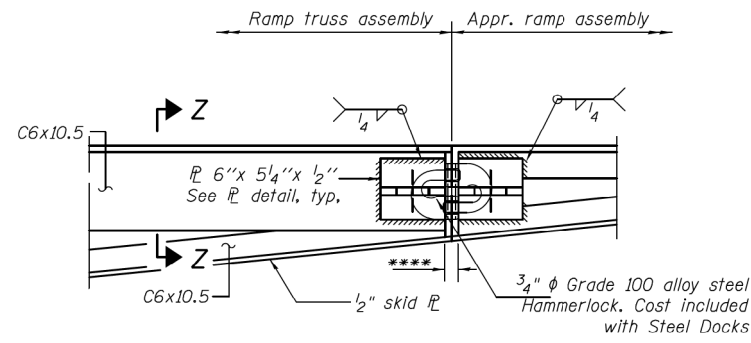


* JERSEY & CALHOUN

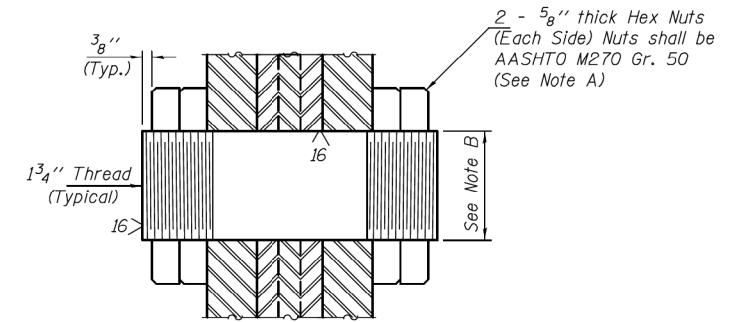
FOR INFORMATION ONLY



TIE DETAIL
(1 location)



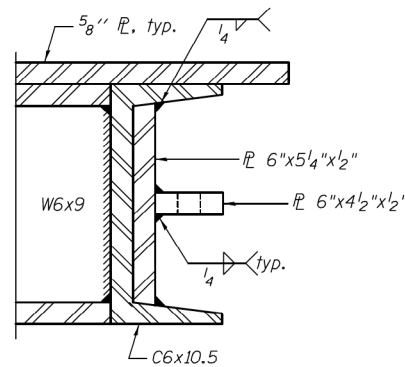
TIE DETAIL
(1 location)



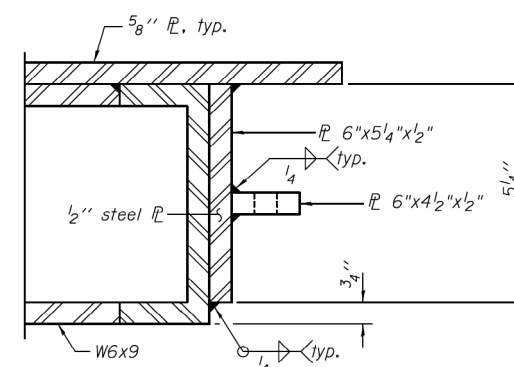
1/2" THREADED CONNECTION PIN
(9 required)

Note A:
Tighten inside nuts to bring plates into firm contact, then back off 1/4 turn and tighten outer nuts.

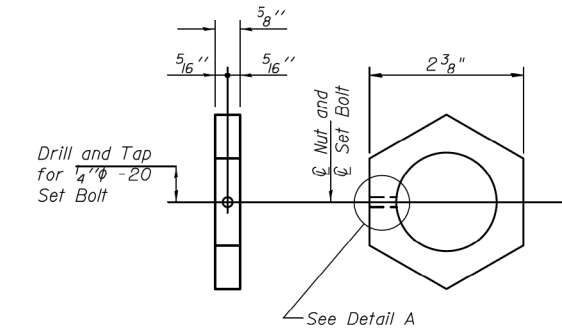
Note B:
Nominal Pin diameter. Pin shall be ASTM A276, UNS 21800 (Nitronic 60 or equal) (No step at threads) 12 threads per inch.



SECTION W-W
See Section B-B for dimensions



SECTION Z-Z



EXTERIOR NUT DETAIL

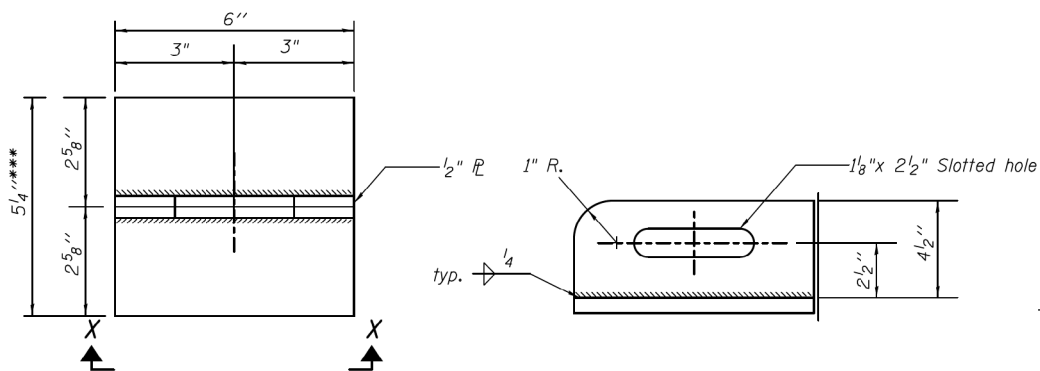
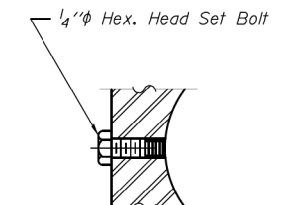


PLATE DETAIL
1/2" plate
(4 required)

SECTION X-X

COPING DETAIL FOR DIAPHRAGMS D, D1, & D2
Do not gouge web when cutting flange.

COPING DETAIL FOR W6X15
Do not gouge web when cutting flange.



DETAIL A

Set Bolts shall conform to the requirements of ASTM A 307.

*** Grind width of plate to fit inside C6x10.5

****For Hammerlock installation, provide the necessary gap dimension between 6"x5 1/4"x 1/2" plates on ramp truss and approach ramp.

DESIGNED - DAVID RICHTER	EXAMINED	DATE - AUGUST 21, 2018
CHECKED - PAUL GURKLYS	 ENGINEER OF BRIDGE DESIGN	
DRAWN - TIM CARNEY	PASSED	 ENGINEER OF BRIDGES AND STRUCTURES
CHECKED - DHR/PG/GRA		

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HINGE & TIE DETAILS
(BRUSSELS AND KAMPSVILLE FERRY)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	65
			CONTRACT NO. 76L56	
ILLINOIS FED. AID PROJECT				

MODEL: Default
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PLOT SCALE = 2,000' / in.	DRAWN -	REVISD -
PLOT DATE = 1/17/2019	CHECKED -	REVISD -
	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL DOCK PLANS
(FOR INFORMATION ONLY)

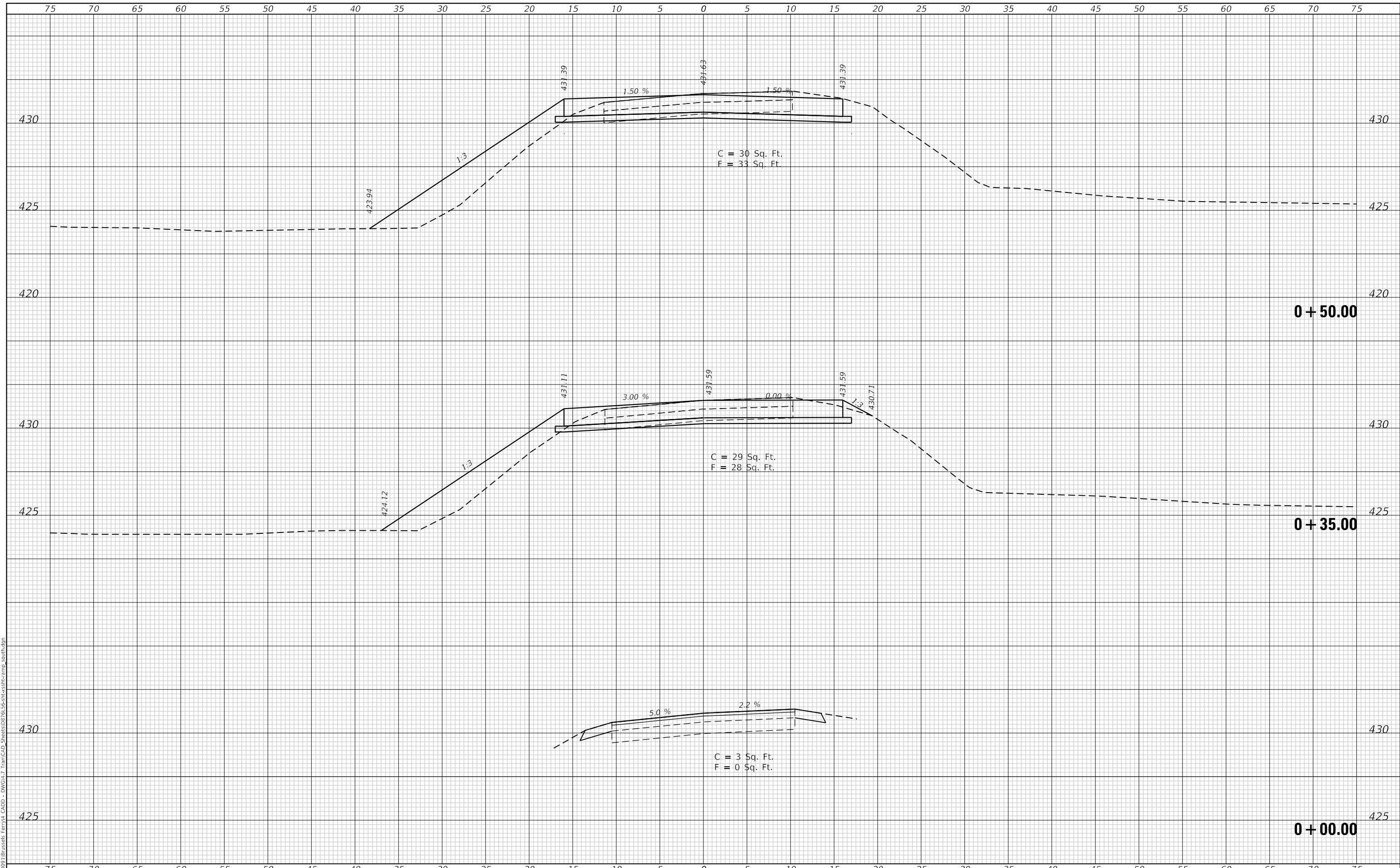
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	65
			CONTRACT NO. 76L56	
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

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

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

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	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SOUTH APPROACH (ALIGN-3)**

SCALE: 1"=5' SHEET 1 OF 7 SHEETS STA. +35.00 TO STA. +50.00

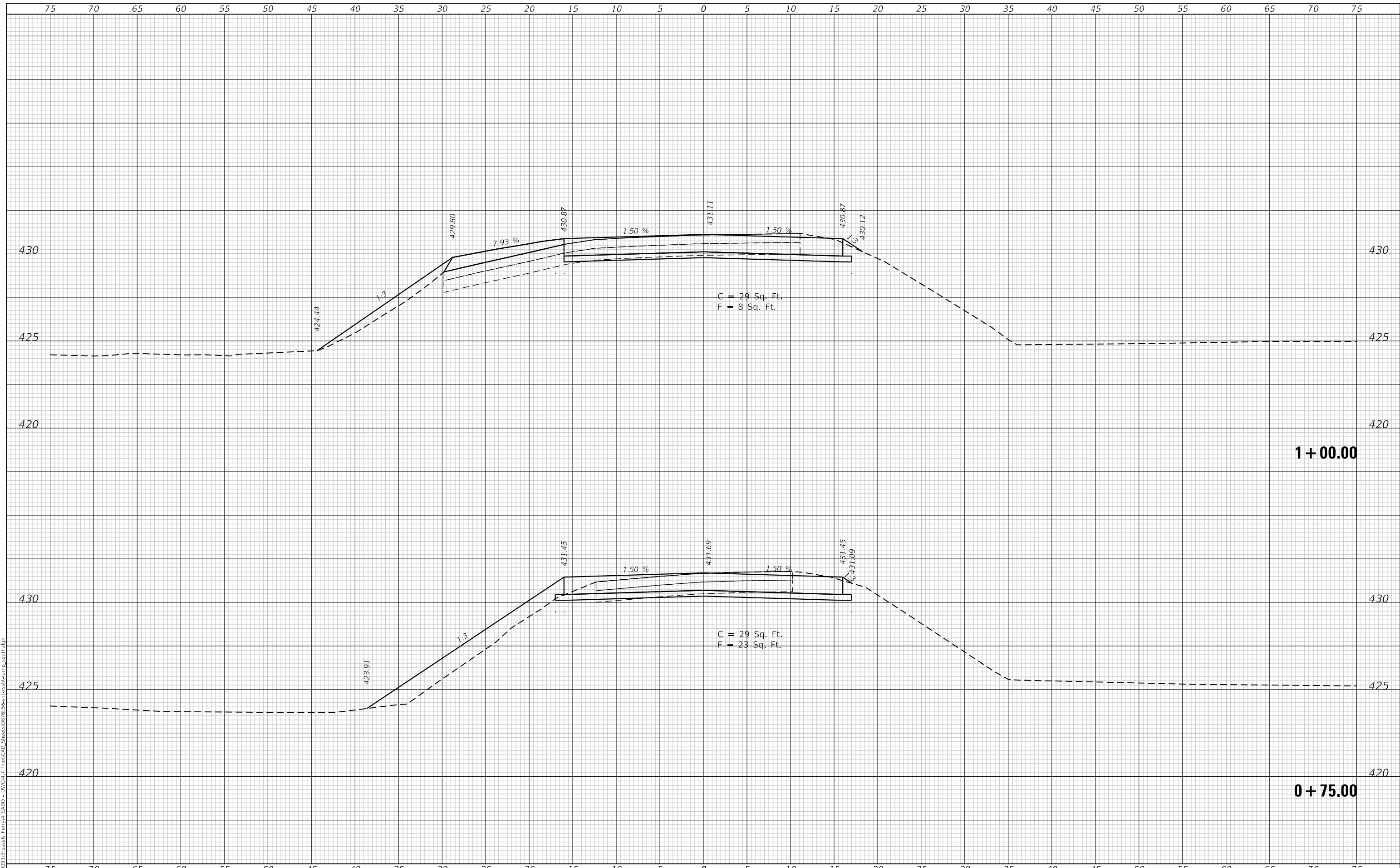
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	66
CONTRACT NO. 76L56				
ILLINOIS		FED. AID PROJECT		

* JERSEY & CALHOUN

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

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

MODEL: Defaul
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USER NAME = esmith	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 SOUTH APPROACH (ALIGN-3)**

SCALE: 1"=5' SHEET 2 OF 7 SHEETS STA. +75.00 TO STA. 1+00.00

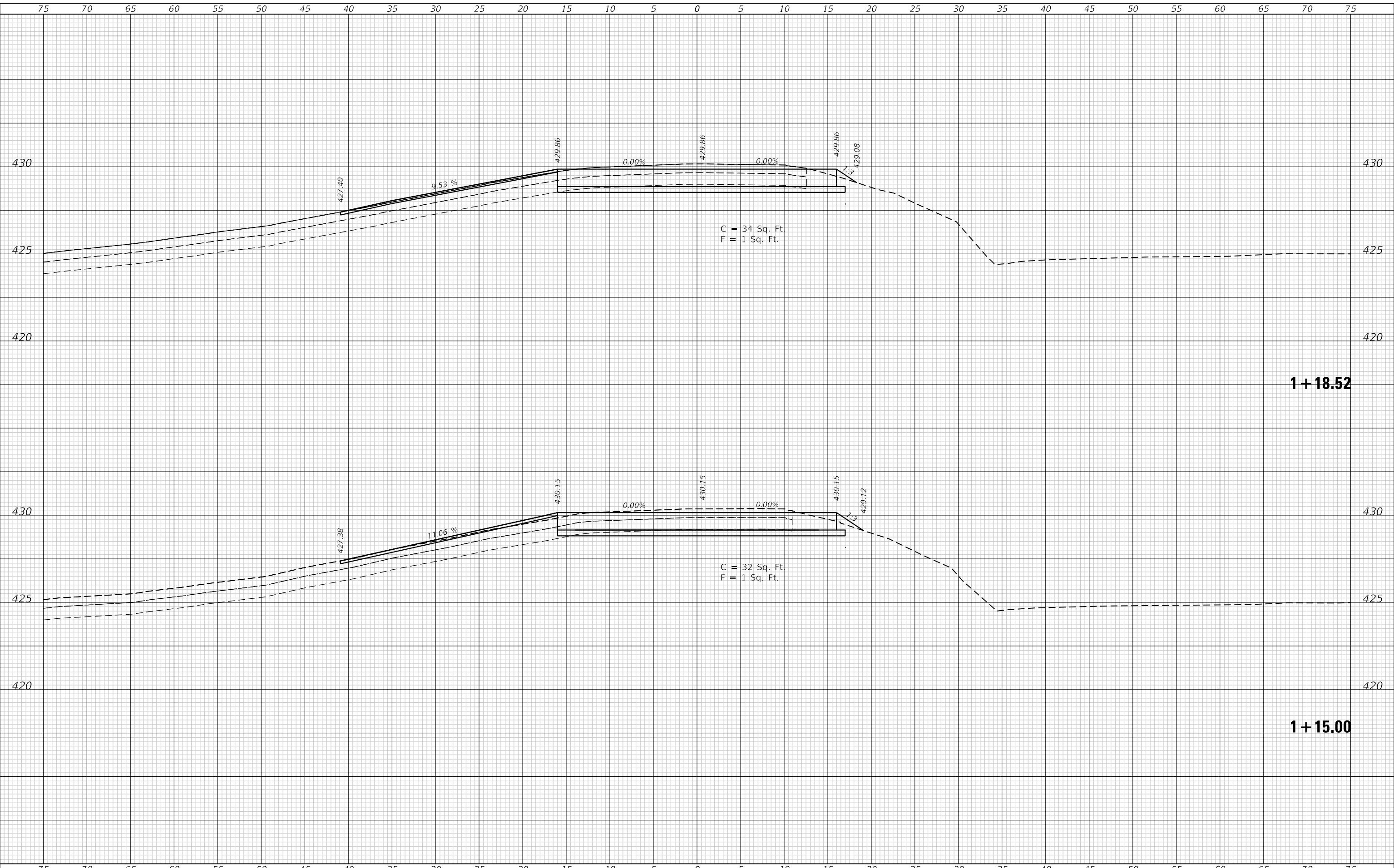
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	67
CONTRACT NO. 76L56				

* JERSEY & CALHOUN

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

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

MODEL: Definit
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USER NAME = esmith	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
SOUTH APPROACH (ALIGN-3)			
SCALE: 1"=5'	SHEET 3	OF 7 SHEETS	STA. 1+15.00 TO STA. 1+18.52

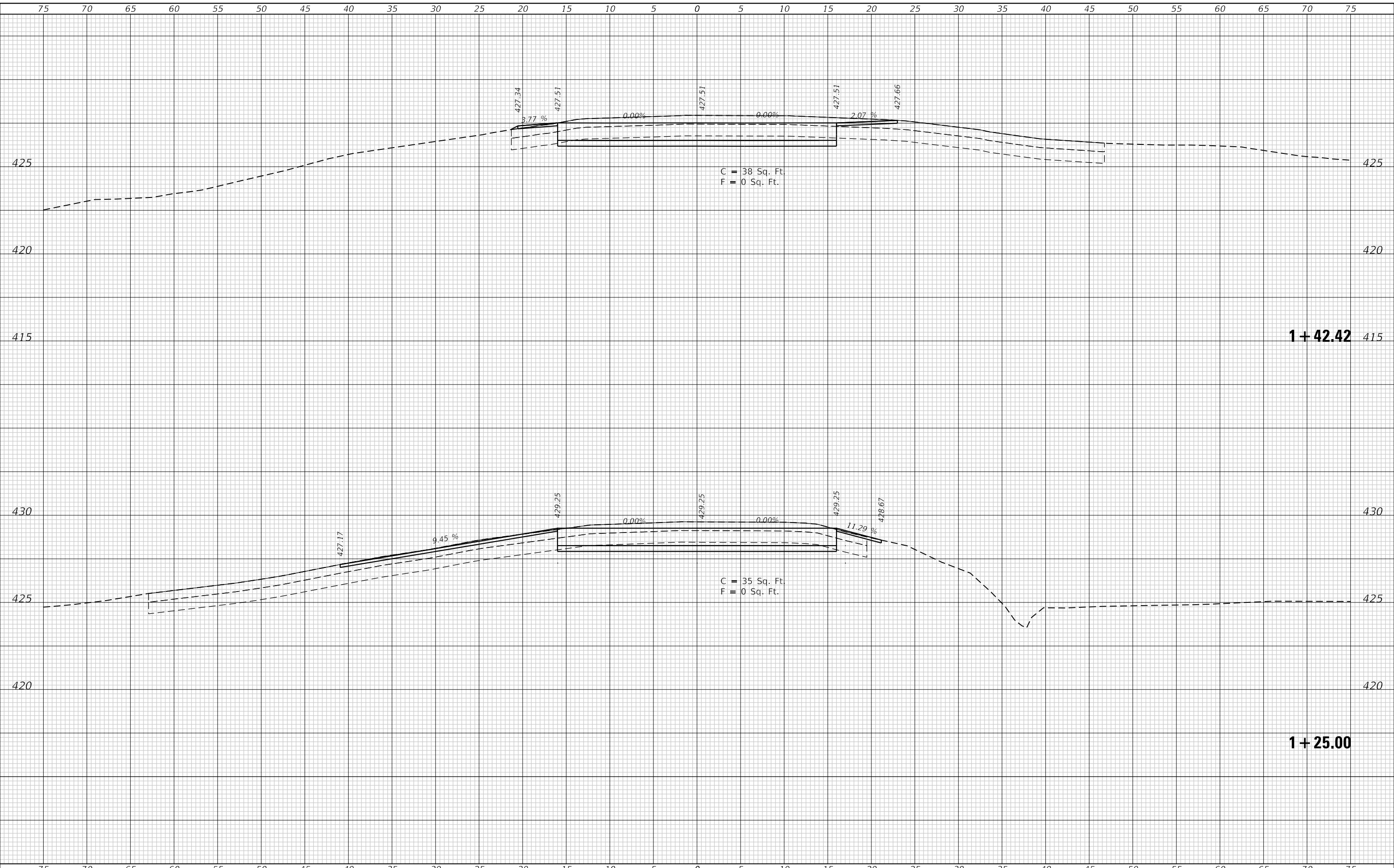
F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 68
			CONTRACT NO. 76L56	
ILLINOIS		FED. AID PROJECT		

* JERSEY & CALHOUN

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

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

MODEL: Definit
FILE NAME: P:\109\109\brussels Ferry\4_CADD - DWG\4-7 Tran\CAD_Sheets\DWG\56-ent-cvss1-camp_south.dgn



USER NAME = esmith	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS SOUTH APPROACH (ALIGN-3)			
SCALE: 1"=5'	SHEET 4 OF 7 SHEETS	STA. 1+25.00 TO STA. 1+42.42	

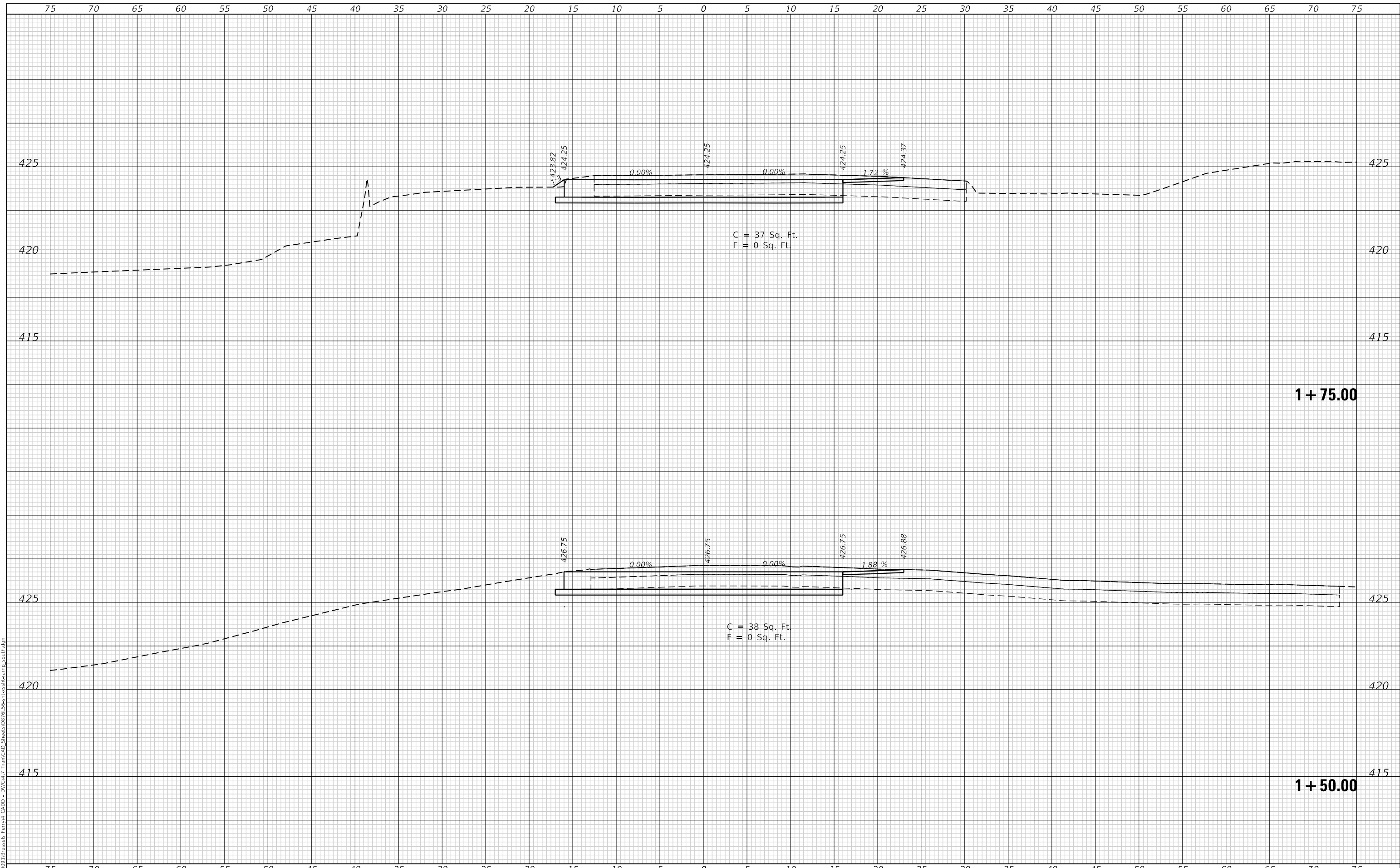
F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 69
			CONTRACT NO. 76L56	
ILLINOIS		FED. AID PROJECT		

* JERSEY & CALHOUN

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

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

MODEL: Definit
FILE NAME: P:\1009\brussels Ferry\A_CADD - DWG\4-7 Tran\CAD_Sheets\DWG\56-ent\cassh\c-amp_south.dgn



USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS SOUTH APPROACH (ALIGN-3)			
SCALE: 1"=5'	SHEET 5	OF 7 SHEETS	STA. 1+50.00 TO STA. 1+75.00

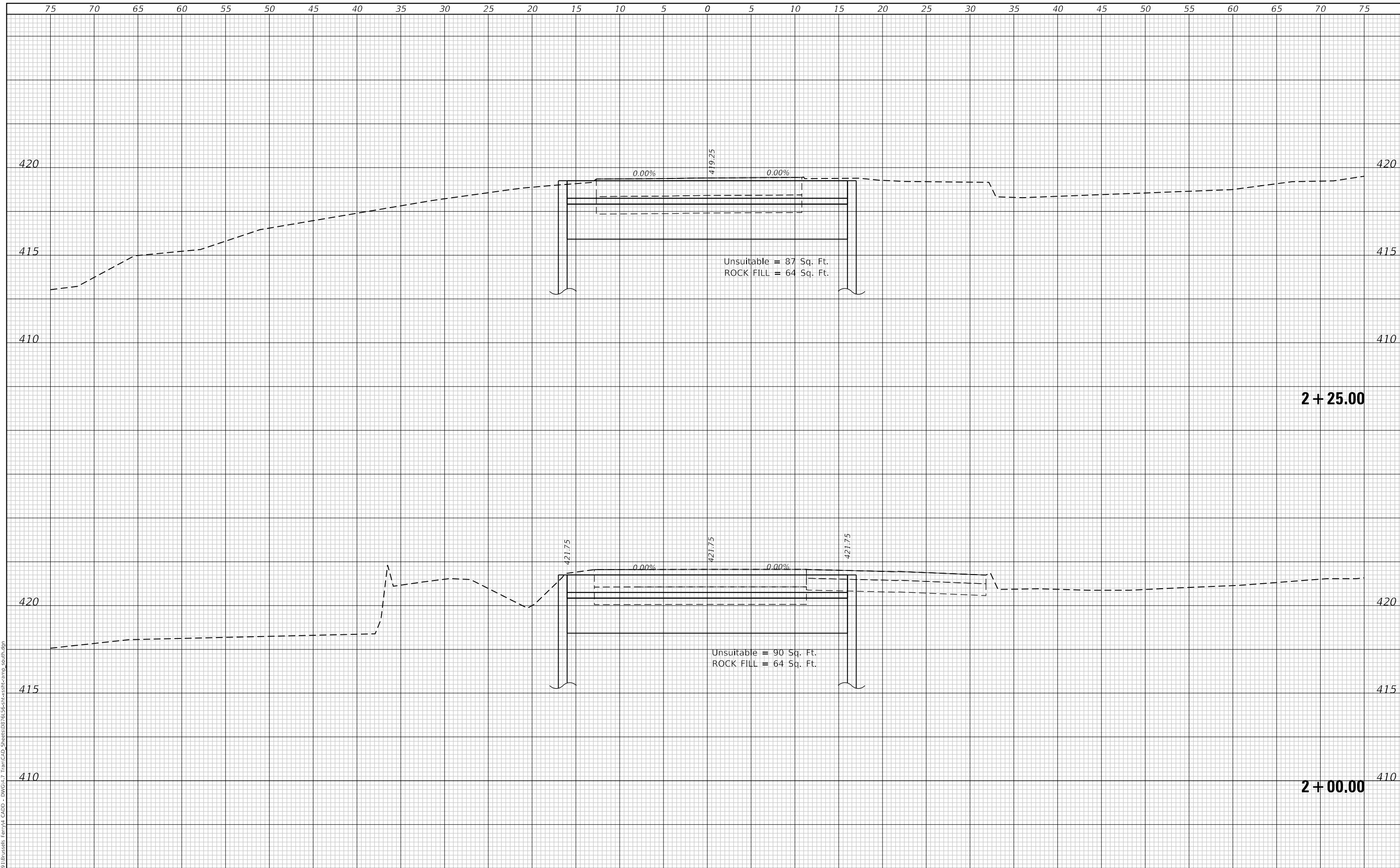
F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 70
			CONTRACT NO. 76L56	
ILLINOIS		FED. AID PROJECT		

* JERSEY & CALHOUN

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

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

MODEL: Definit
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USER NAME = esmith	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
SOUTH APPROACH (ALIGN-3)			
SCALE: 1"=5'	SHEET 6	OF 7 SHEETS	STA. 2+00.00 TO STA. 2+25.00

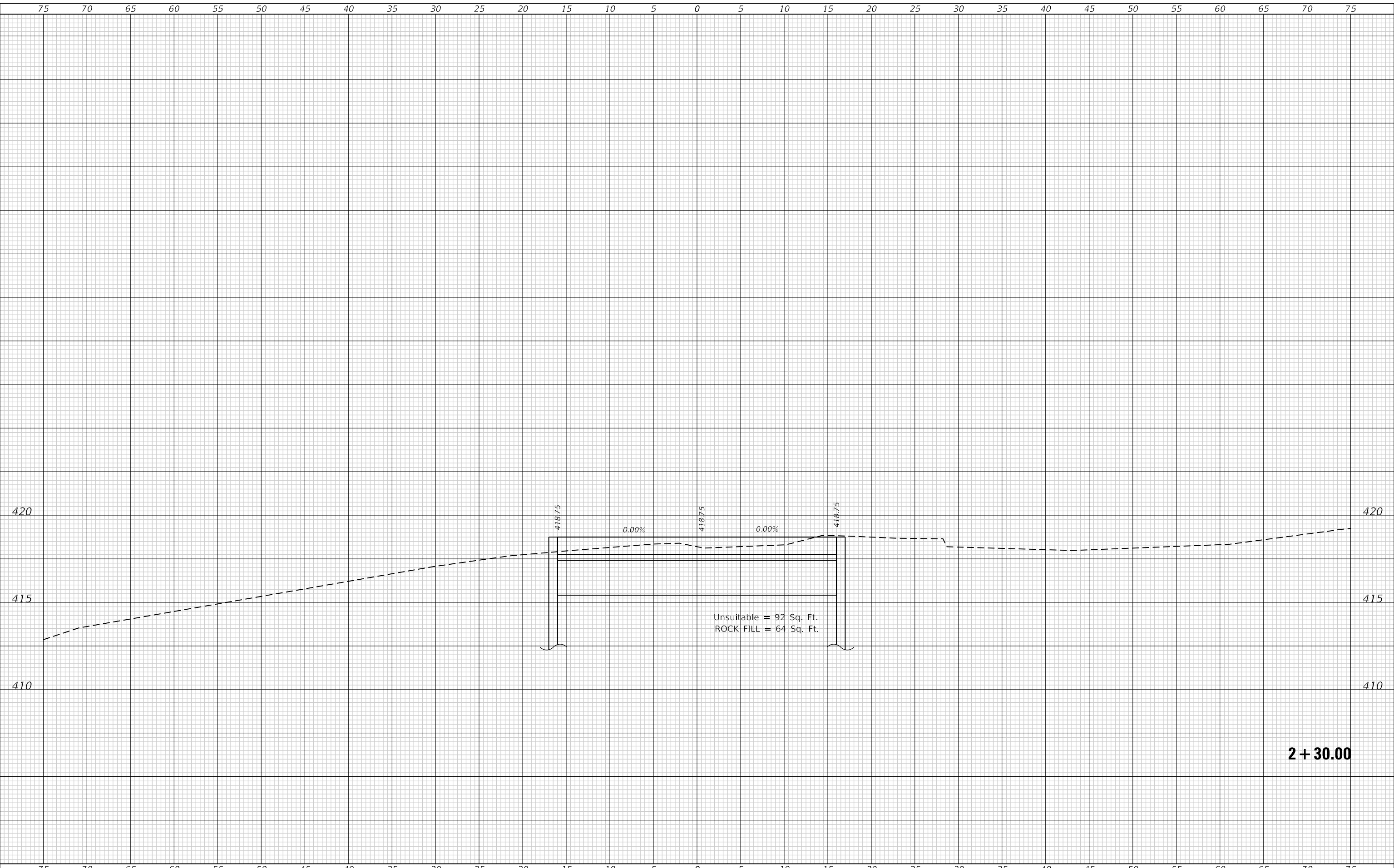
F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 71
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76L56	

* JERSEY & CALHOUN

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: Definit
FILE NAME: P:\1009\brussels Ferry\A_CADD - DWG\4-7 Tran\CAD_Sheets\02\156-ent-crsht-comp_south.dgn



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PLOT SCALE = 10.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
SOUTH APPROACH (ALIGN-3)**

SCALE: 1"=5' SHEET 7 OF 7 SHEETS STA. 2+30.00 TO STA. 2+30.00

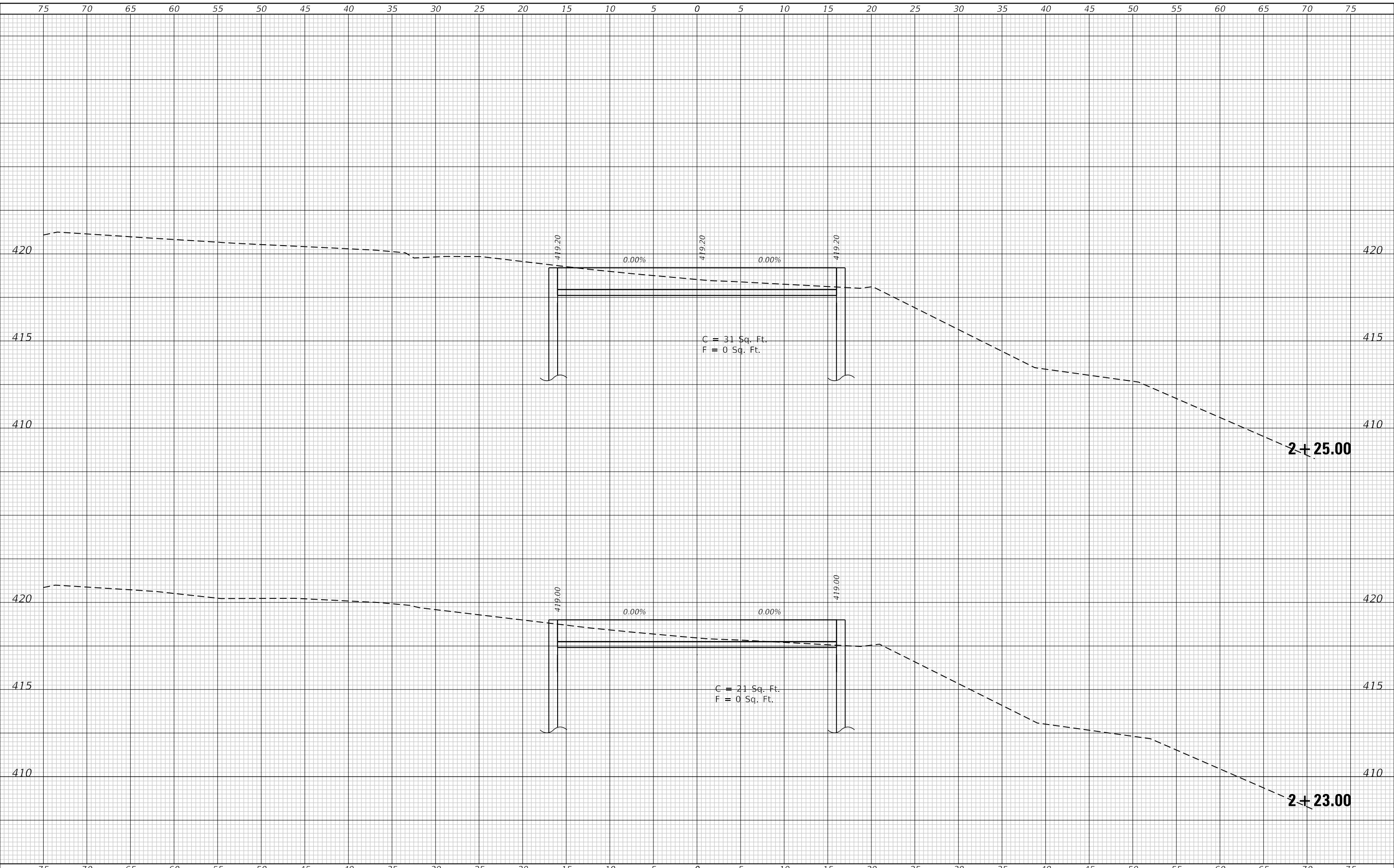
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	72
CONTRACT NO. 76L56				
ILLINOIS		FED. AID PROJECT		

* JERSEY & CALHOUN

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

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

MODEL: Definit
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USER NAME = esmith	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 NORTH APPROACH (ALIGN-1)**

SCALE: 1"=5' SHEET 1 OF 9 SHEETS STA. 2+23.00 TO STA. 2+25.00

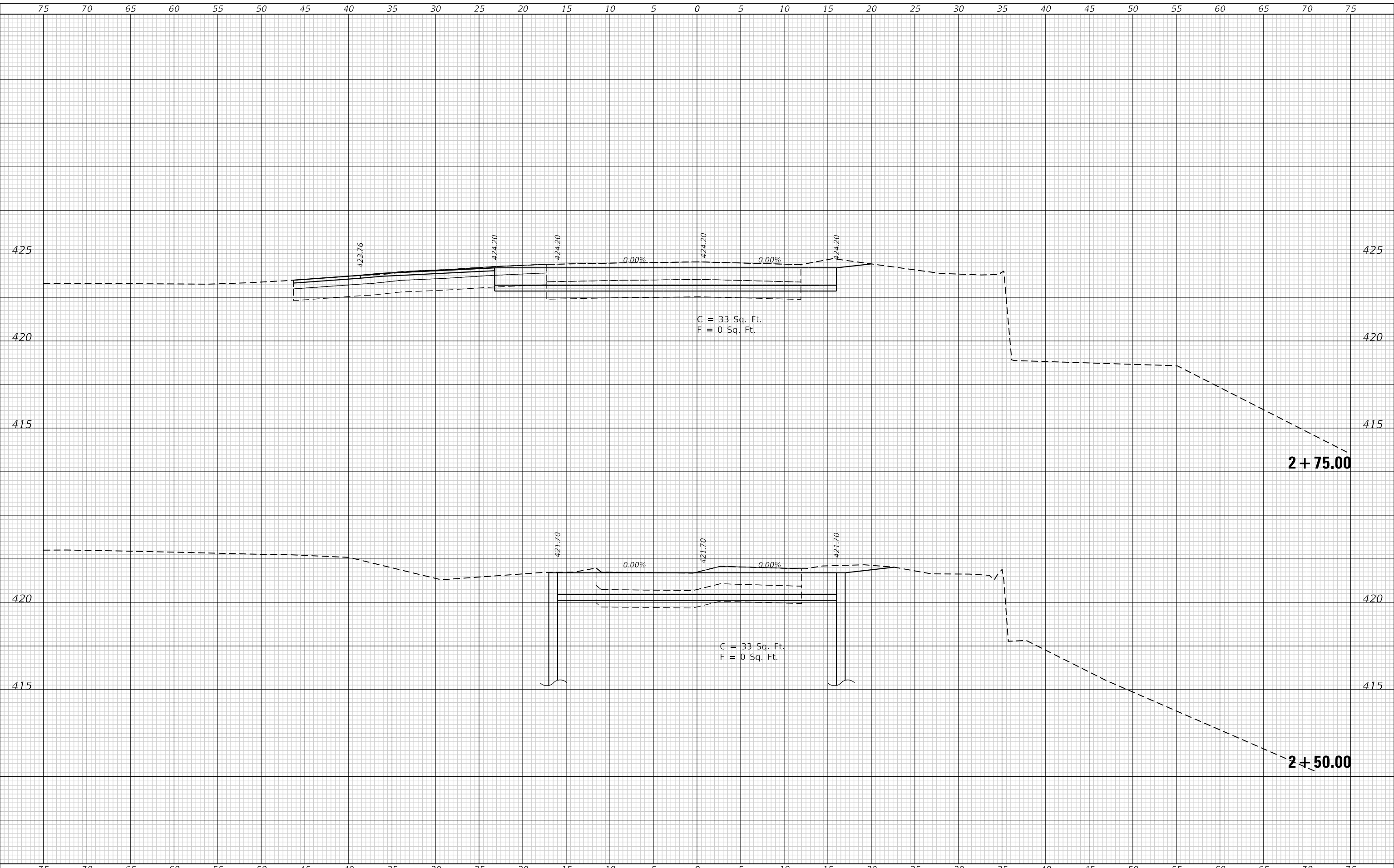
F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 73
CONTRACT NO. 76L56			ILLINOIS FED. AID PROJECT	

* JERSEY & CALHOUN

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

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

MODEL: Definit
FILE NAME: P:\1009\brussels Ferry\A_CADD - DWG\4-7 Tran\CAD_Sheets\DWG\56-ent\csst\comp_north-1.dgn



USER NAME = esmith	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
NORTH APPROACH (ALIGN-1)**

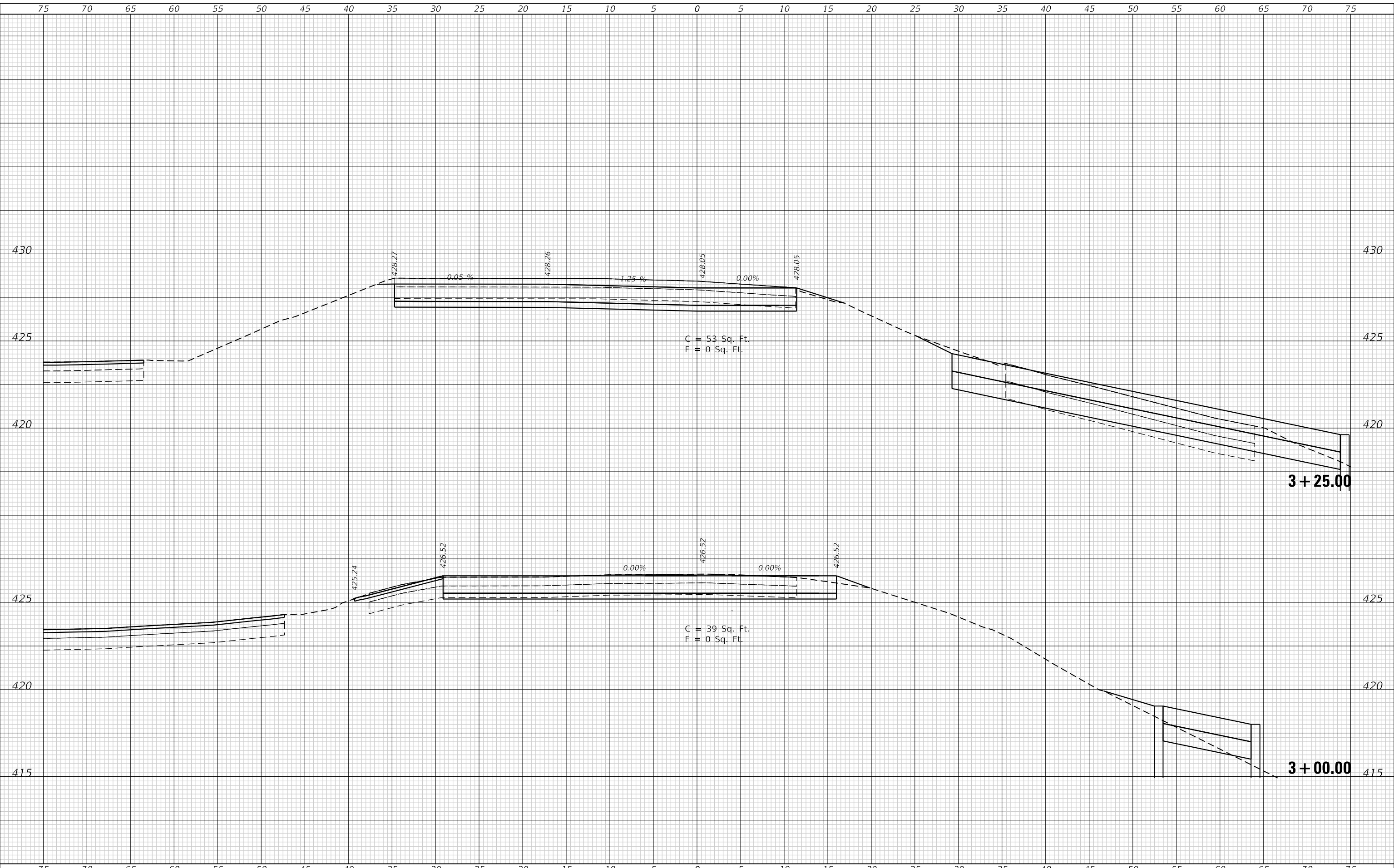
SCALE: 1"=5' SHEET 2 OF 9 SHEETS STA. 2+50.00 TO STA. 2+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	74
CONTRACT NO. 76L56				
ILLINOIS		FED. AID PROJECT		
* JERSEY & CALHOUN				

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

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

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USER NAME = esmith	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 NORTH APPROACH (ALIGN-1)**

SCALE: 1"=5' SHEET 3 OF 9 SHEETS STA. 3+00.00 TO STA. 3+25.00

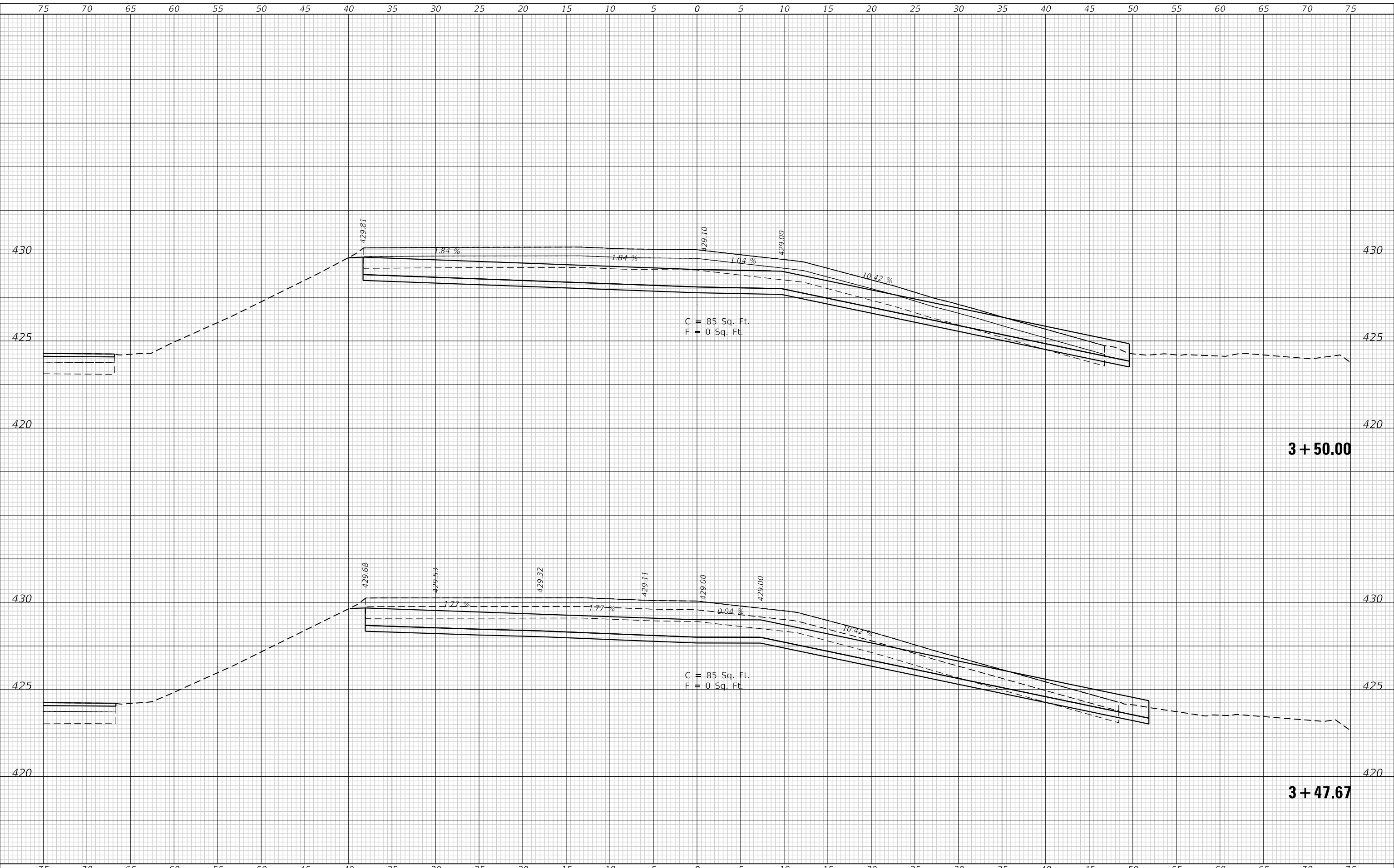
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	75
CONTRACT NO. 76L56				

ILLINOIS FED. AID PROJECT * JERSEY & CALHOUN

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

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

MODEL: Definit
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USER NAME = esmith	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
NORTH APPROACH (ALIGN-1)

SCALE: 1"=5' SHEET 4 OF 9 SHEETS STA. 3+47.67 TO STA. 3+50.00

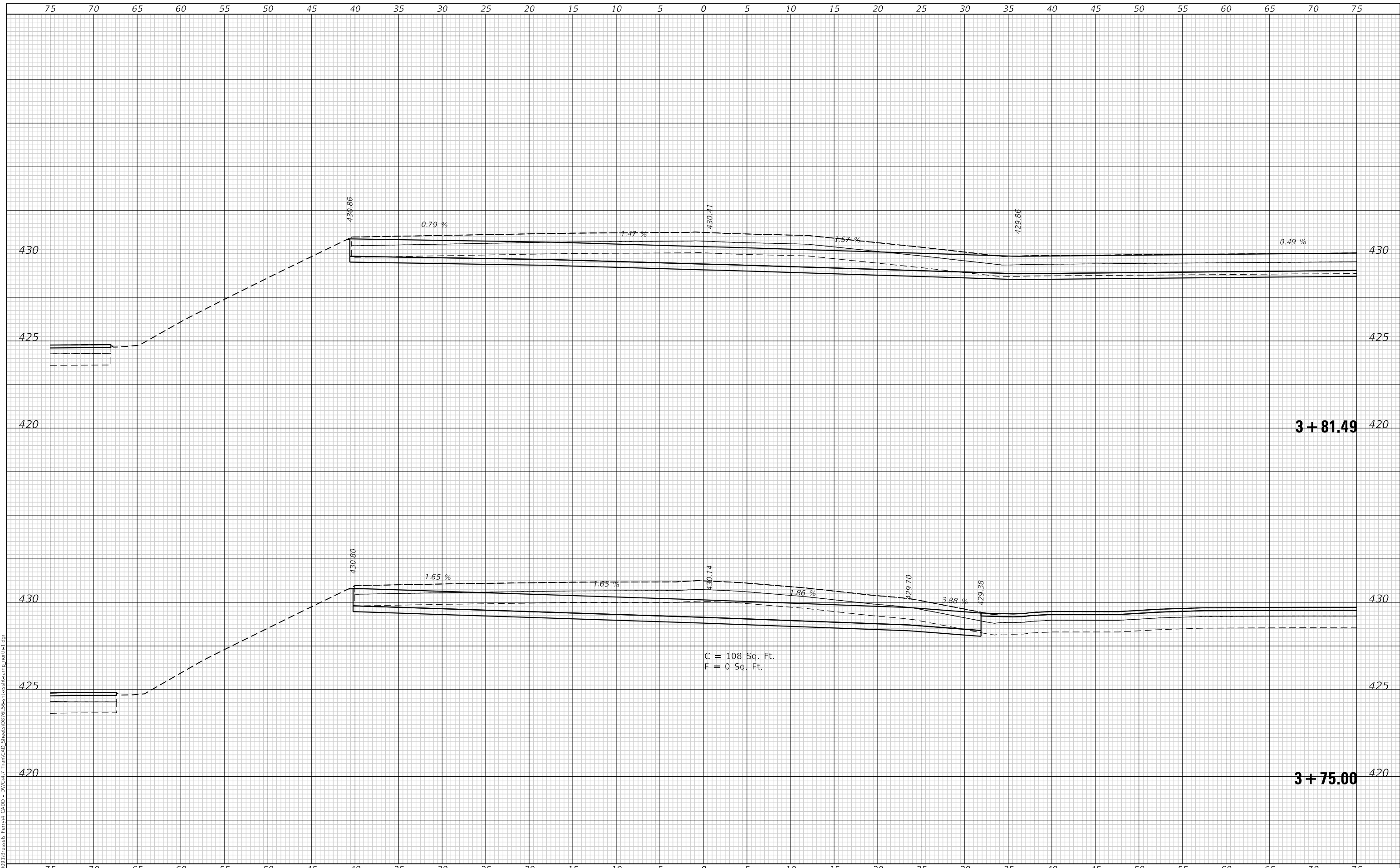
F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 76
CONTRACT NO. 76L56				

* JERSEY & CALHOUN

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

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

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PLOT SCALE = 10.0000 ' / in.	DRAWN -	REVISD -
PLOT DATE = 1/17/2019	CHECKED -	REVISD -
	DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS NORTH APPROACH (ALIGN-1)			
SCALE: 1"=5'	SHEET 5	OF 9 SHEETS	STA. 3+75.00 TO STA. 3+81.49

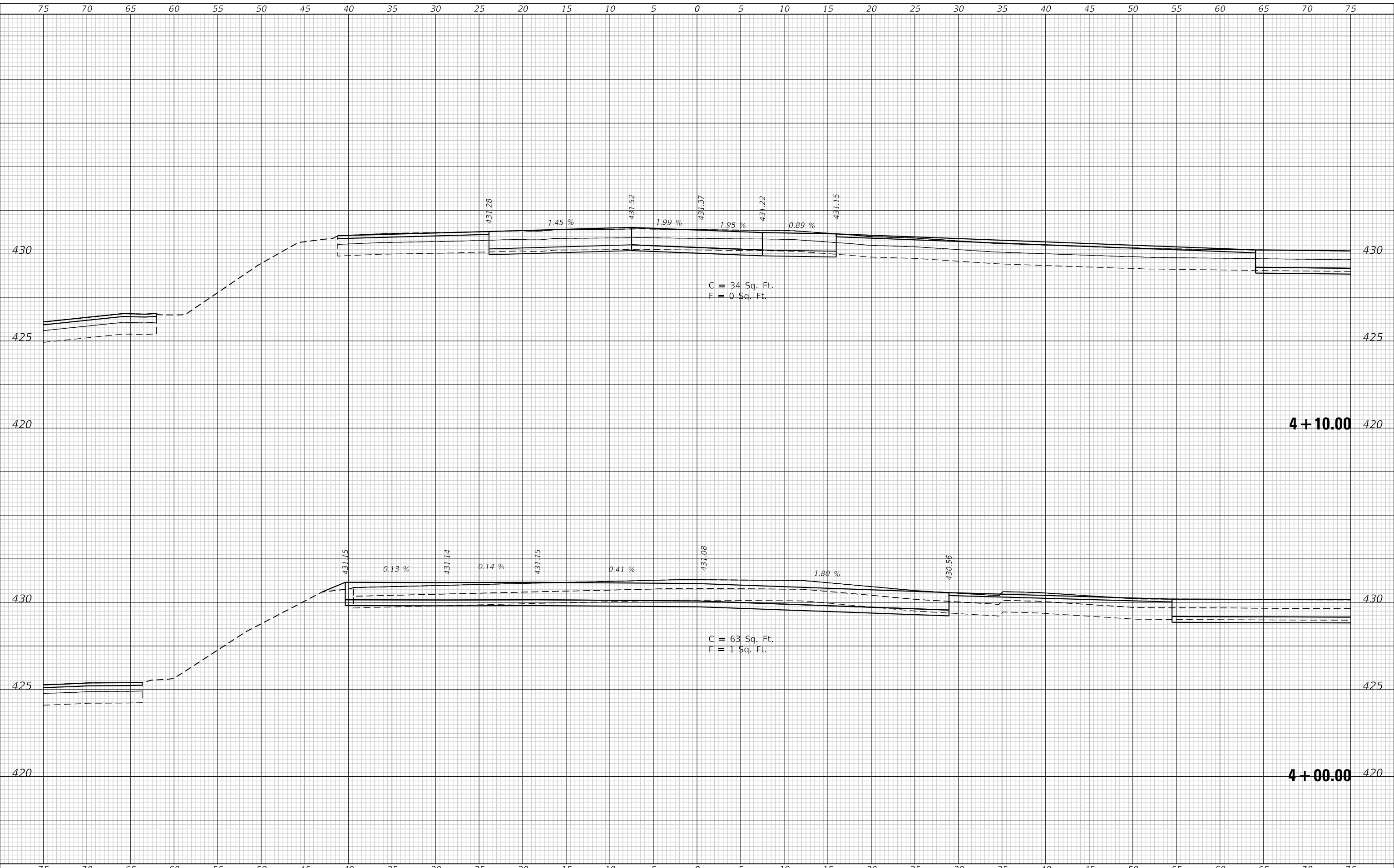
F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 77
			CONTRACT NO. 76L56	
ILLINOIS		FED. AID PROJECT		

* JERSEY & CALHOUN

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

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

MODEL: Definit
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USER NAME = esmith	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 NORTH APPROACH (ALIGN-1)**

SCALE: 1"=5' SHEET 6 OF 9 SHEETS STA. 4+00.00 TO STA. 4+10.00

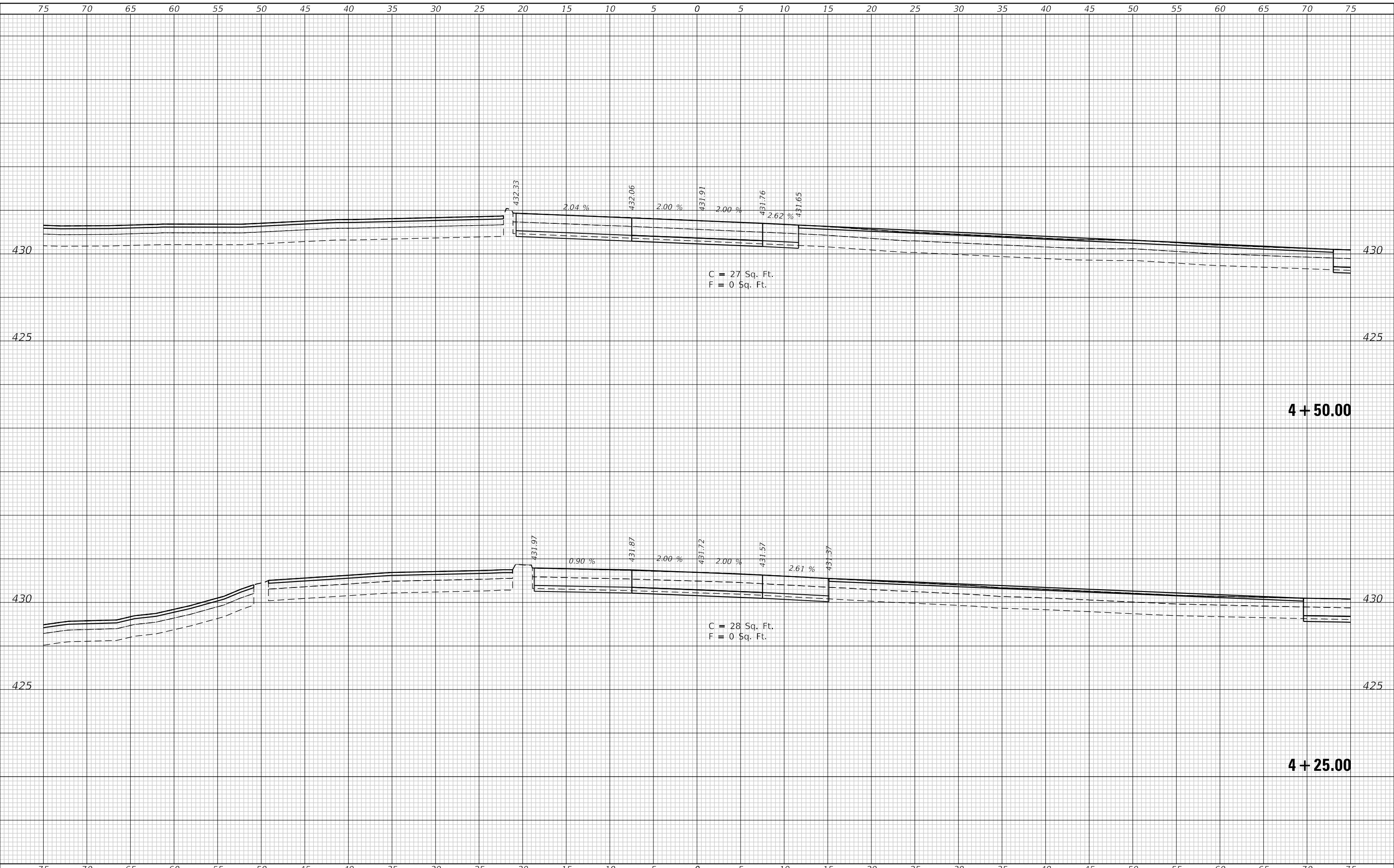
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	78
CONTRACT NO. 76L56				
ILLINOIS FED. AID PROJECT				

* JERSEY & CALHOUN

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: Definit
FILE NAME: P:\1009\brussels Ferry\A_CADD - DWG\4-7 Tran\CAD_Sheets\DP&S\Sheet\csst\c-amp_north-1.dgn



USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
NORTH APPROACH (ALIGN-1)**

SCALE: 1"=5' SHEET 7 OF 9 SHEETS STA. 4+25.00 TO STA. 4+50.00

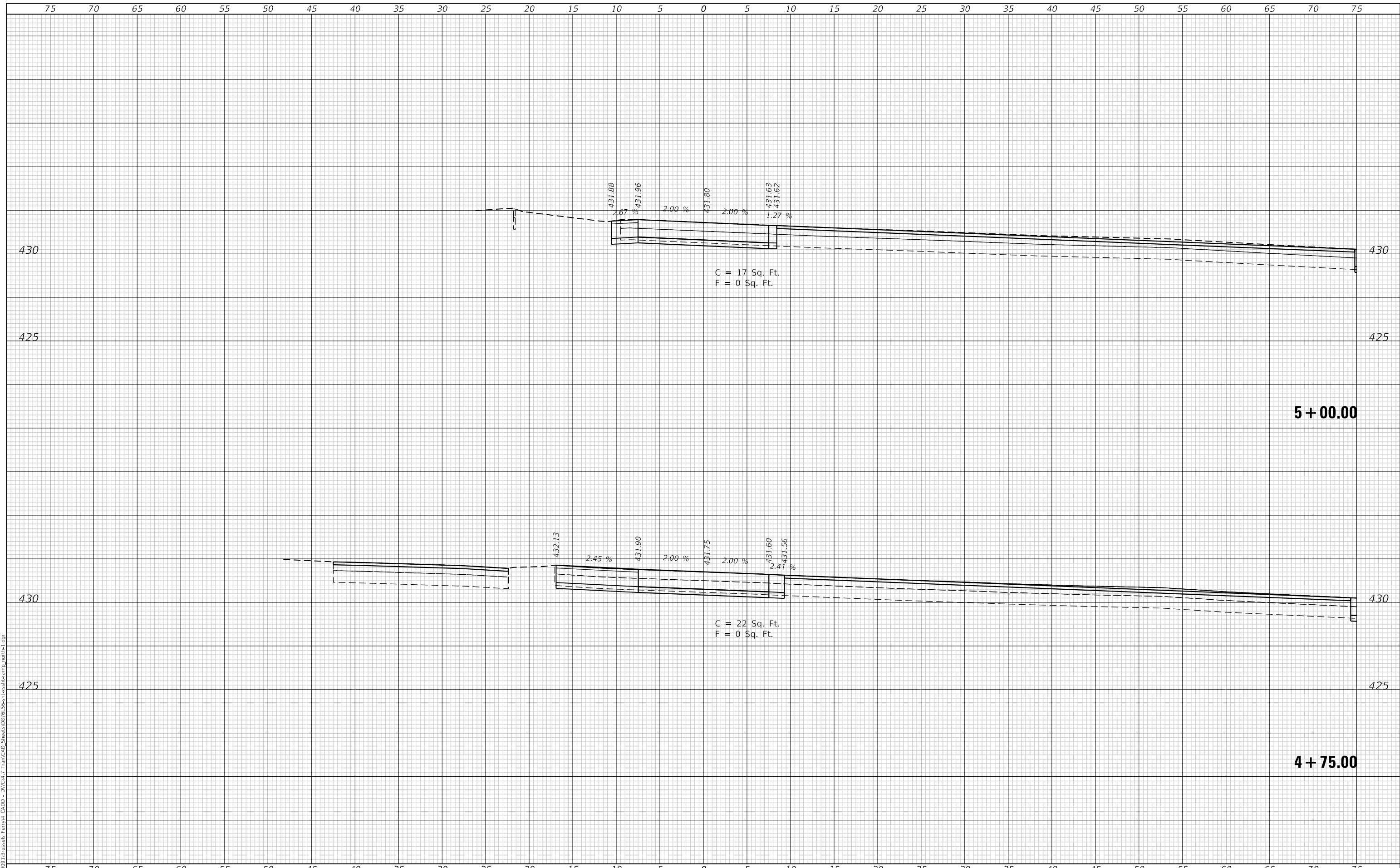
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	79
CONTRACT NO. 76L56				

* JERSEY & CALHOUN

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: Definit
FILE NAME: P:\1009\brussels Ferry\A_CADD - DWG\4-7 Tran\CAD_Sheets\DP&S\Sheet\cass\c-amp_north-1.dgn



USER NAME = esmith	DESIGNED -	REVISÉD -
PLOT SCALE = 10.0000 ' / in.	DRAWN -	REVISÉD -
PLOT DATE = 1/17/2019	CHECKED -	REVISÉD -
	DATE -	REVISÉD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS NORTH APPROACH (ALIGN-1)			
SCALE: 1"=5'	SHEET 8	OF 9 SHEETS	STA. 4+75.00 TO STA. 5+00.00

F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 80
			CONTRACT NO. 76L56	
ILLINOIS		FED. AID PROJECT		

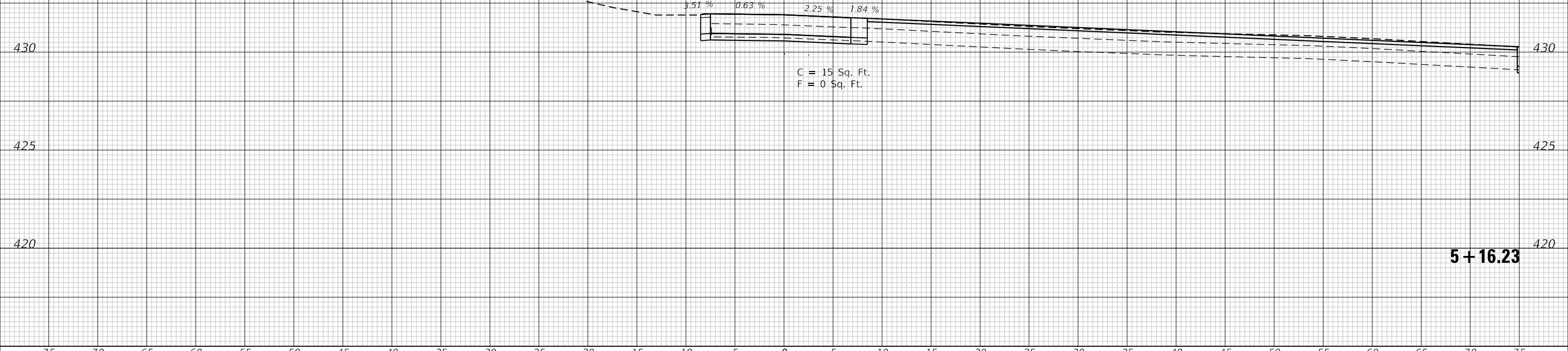
* JERSEY & CALHOUN

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS NORTH APPROACH (ALIGN-1)			
SCALE: 1"=5'	SHEET 9	OF 9 SHEETS	STA. 5+16.23 TO STA. 5+16.23

F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 81
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76L56	

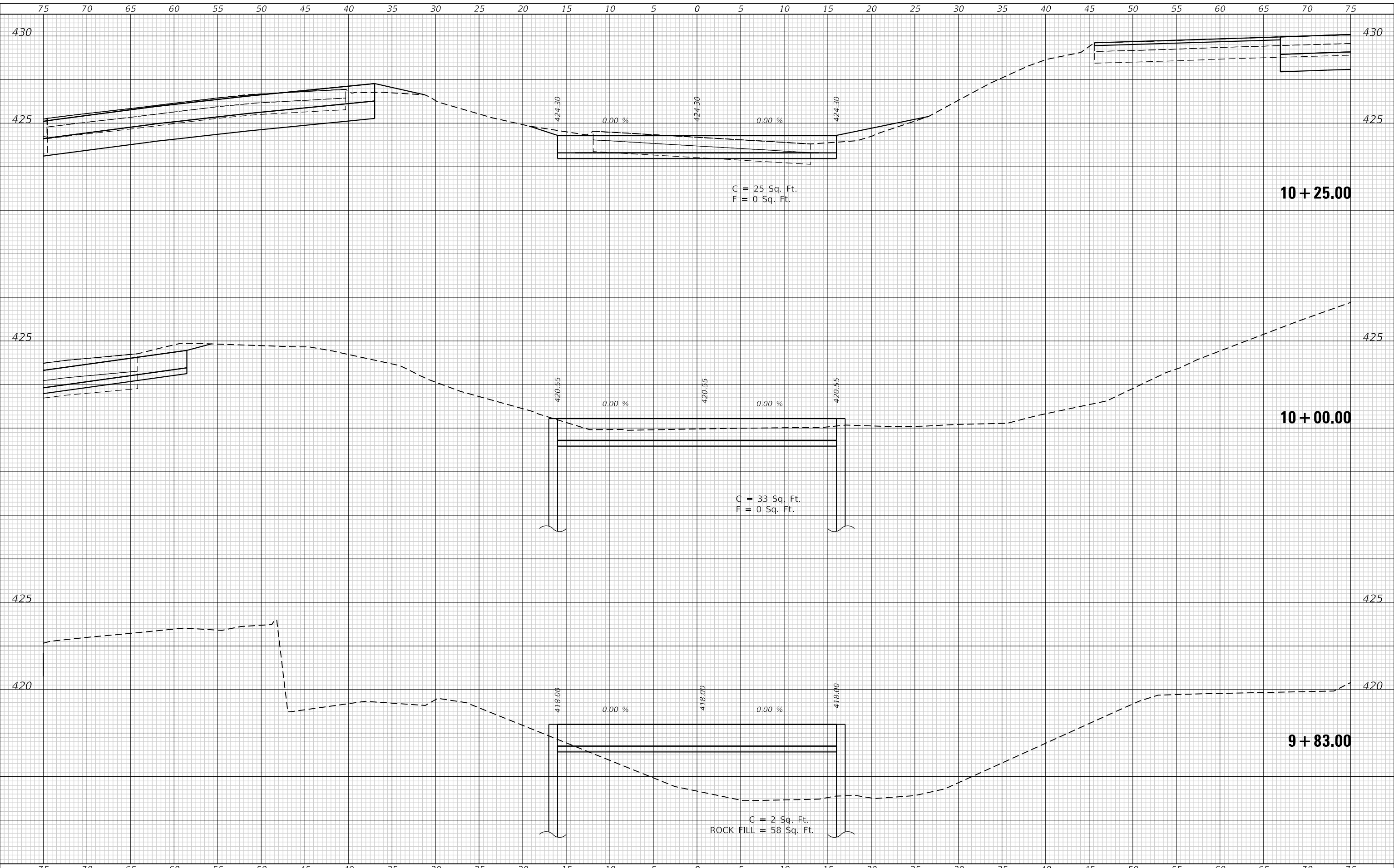
5 + 16.23

* JERSEY & CALHOUN

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

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

MODEL: Definit
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USER NAME = esmith	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISD -
PLOT DATE = 1/17/2019	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
NORTH APPROACH (ALIGN-2)

SCALE: 1"=5' SHEET 1 OF 2 SHEETS STA. 9+83.00 TO STA. 10+25.00

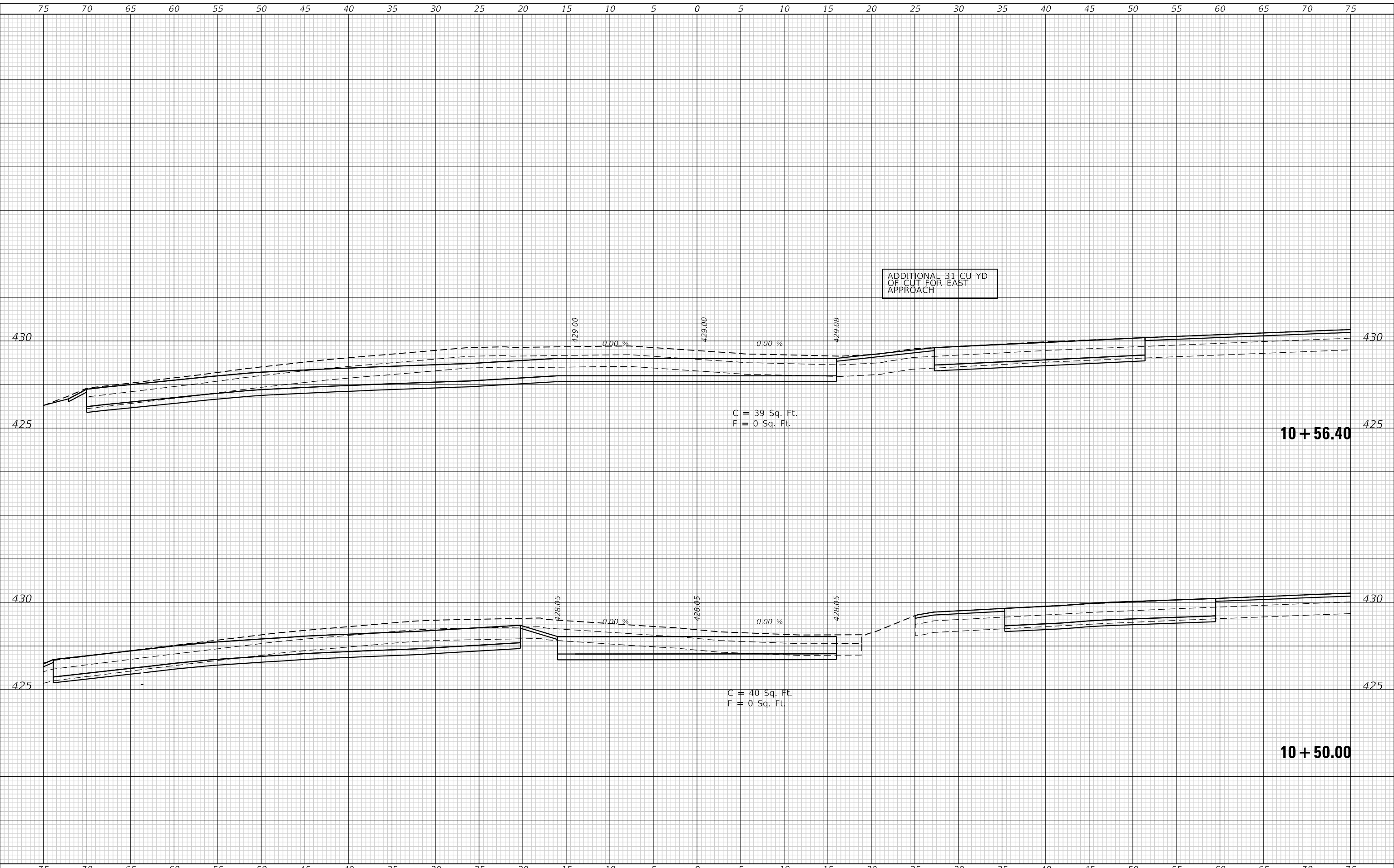
F.A.P. RTE. 304	SECTION 119-I-4	COUNTY *	TOTAL SHEETS 84	SHEET NO. 82
CONTRACT NO. 76L56			ILLINOIS FED. AID PROJECT	

* JERSEY & CALHOUN

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

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

MODEL: Definit
 FILE NAME: P:\1009\brussels Ferry\A_CADD - DWG\CAD - Sheets\02\0256-119-I-4-2.dgn



USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
NORTH APPROACH (ALIGN-2)			
SCALE: 1"=5'	SHEET 2 OF 2 SHEETS	STA. 10+50.00	TO STA. 10+56.40

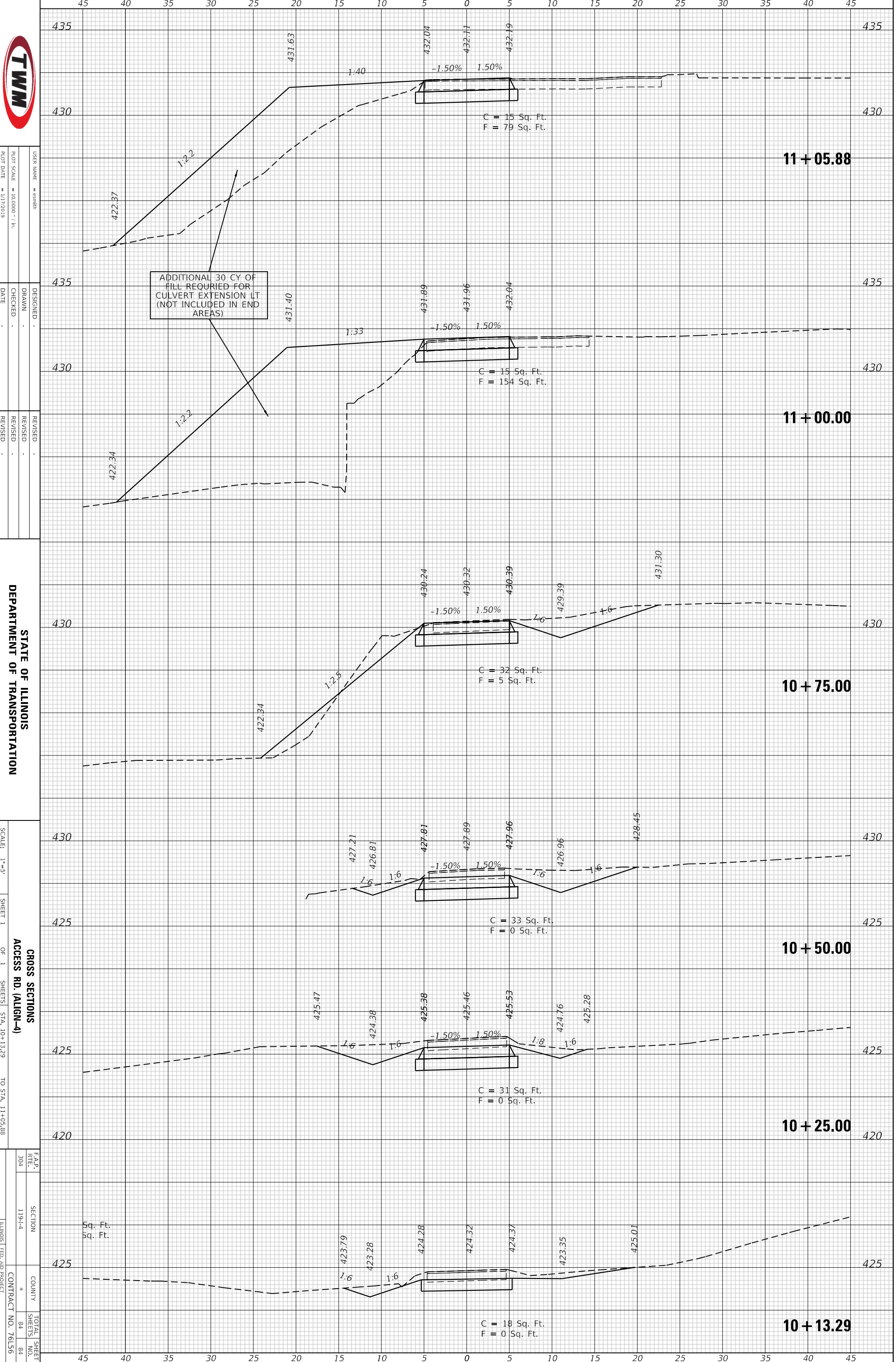
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
304	119-I-4	*	84	83
CONTRACT NO. 76L56			ILLINOIS FED. AID PROJECT	

* JERSEY & CALHOUN

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

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

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USER NAME = esmith
 PLOT SCALE = 1/10000 - 1/4" = 1" = 100' - 1/4" = 1" = 100'
 PLOT DATE = 1/17/2019

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 5'
 SHEET 1 OF 1 SHEETS STA. 10+13.29 TO STA. 11+05.88

CROSS SECTIONS
 ACCESS RD. (ALIGN-4)

F.A.R. ATE. 304	SECTION NO. 119-14	COUNTY *	TOTAL SHEET NO. 84
ILLINOIS	FED. AID PROJECT	CONTRACT NO. 76L56	
* JENSEN & CALHOUN			

Sq. Ft.
 Sq. Ft.

C = 15 Sq. Ft.
 F = 79 Sq. Ft.

C = 15 Sq. Ft.
 F = 154 Sq. Ft.

C = 32 Sq. Ft.
 F = 5 Sq. Ft.

C = 33 Sq. Ft.
 F = 0 Sq. Ft.

C = 31 Sq. Ft.
 F = 0 Sq. Ft.

C = 18 Sq. Ft.
 F = 0 Sq. Ft.

11 + 05.88

11 + 00.00

10 + 75.00

10 + 50.00

10 + 25.00

10 + 13.29