

138

01-18-2019 LETTING ITEM 138

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	1
ILLINOIS			CONTRACT NO. 70A61	

D-95-005-18



FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-15

TRAFFIC DATA			
		LEG "A"	LEG "B"
2016 ADT	=	7,700	36,400
PV%	=	97.3%	71.1%
SU%	=	2.1%	3.3%
MU%	=	0.6%	25.6%

TRAFFIC DATA LOCATIONS			
LEG "A"	=	BRADLEY AVENUE	
LEG "B"	=	FAI-57	

PROPOSED HIGHWAY PLANS

FAI ROUTE 57 (I-57)
SECTION 10-33BR
PROJECT NHPP-ITEP-LXET (693)
BRIDGE REPLACEMENT
CHAMPAIGN COUNTY

C-95-017-18

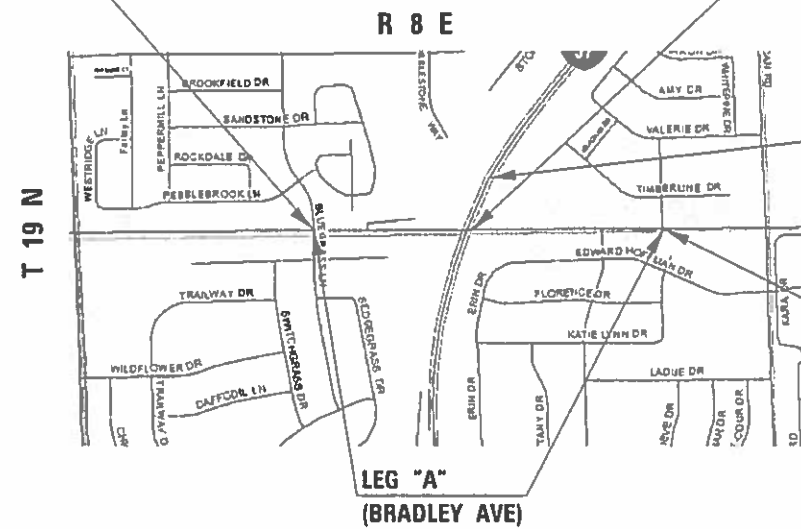
UNDER BRADLEY AVE. W. OF CHAMPAIGN

DESIGN DESIGNATION:
INTERSTATE /MINOR ARTERIAL

TOWNSHIP:
CHAMPAIGN

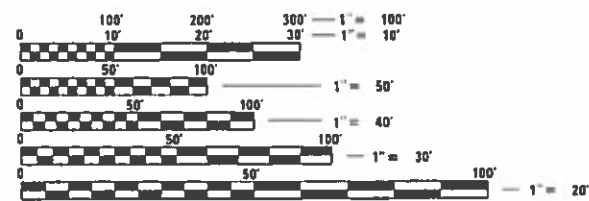
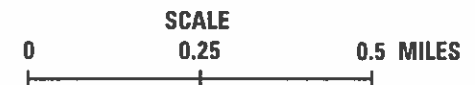
BEGIN SECTION (10-33BR)
STA. 14 + 00.00

BRIDGE REPLACEMENT
EXIST SN: 010-0174
PROP SN: 010-0294
STA. 509 + 81.62 (I-57)
STA. 26 + 15.19 (BRADLEY AVE)
2-SPANS AT 250 FT B-B ABUTS.
48 FT REINF. CONC. DECK
22°12' 16" SKEW



LEG "B"
(I-57)

END SECTION (10-33BR)
STA. 44 + 53.18



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: JASON W. STULTS
SQUAD LEADER: RYAN T. CARROLL
DESIGNER: TYLER J. PIERSON
PHONE: (217)-465-4181
CONTRACT NO. 70A61

GROSS LENGTH = 3053.18 FT. = 0.578 MILE
NET LENGTH = 3053.18 FT. = 0.578 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 19, 2018
Kensil A. Barnett
REGIONAL ENGINEER

[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

DESCRIPTION	SHEET NO.
COVER SHEET	1
INDEX OF SHEETS & LIST OF HIGHWAY STANDARDS & COMMITMENTS	2
GENERAL NOTES	3
SUMMARY OF QUANTITIES	4 to 15
TYPICAL CROSS SECTIONS	16 to 20
SCHEDULE OF QUANTITIES	21 to 35
CONTROL POINTS	36
REMOVAL PLAN SHEETS	37 to 39
PLAN AND PROFILE SHEETS	40 to 45
DRAINAGE PLAN AND PROFILE SHEETS	46 to 57
STRIPING PLAN SHEETS	58 to 60
LIGHTING PLAN SHEETS	61 to 66
I-57 PLAN SHEET	67
STRUCTURE PLAN SHEETS	68 to 91
CULVERT PLAN SHEETS	92 to 95
ADA DETAILS	96 to 98
BLUEGRASS SIDEWALK DETAIL	99
INTERSECTION JOINT DETAILS	100 to 102
INTERSECTION LAYOUT DETAILS	103 to 105
PROFILE TRANSITION DETAIL	106
TEMPORARY RUMBLE STRIPS (SPECIAL) DETAIL	107
MOT SHEET	108
DETOUR DETAIL	109 to 113
DISTRICT DETAILS	114 to 121
BRADLEY AVE CROSS-SECTIONS	122 to 161
BLUEGRASS LANE CROSS-SECTIONS	162 to 163
CRESTWOOD DRIVE CROSS-SECTION	164
ALPINE DRIVE CROSS-SECTION	165

LISTS OF STANDARDS

STANDARD NO.	DESCRIPTION
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
353001-05	PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
420001-09	PAVEMENT JOINTS
420406	PAVEMENT CONNECTOR (HMA) FRO BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE RINFORCEMENT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-04	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
602301-04	INLET - TYPE A
602306-03	INLET - TYPE B
602401-05	PRECAST MANHOLE TYPE A 4' (1.22 M) DIAMETER
602402-01	PRECAST MANHOLE TYPE A 5' (1.52 M) DIAMETER
602406-09	PRECAST MANHOLE TYPE A 6' (1.83 M) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604006-05	FRAME AND GRATE TYPE 3
604011-05	FRAME AND GRATE TYPE 3V
604036-03	GRATE TYPE 8
606006-04	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24 (B-15.60)
606401-02	PAVED DITCH
630001-12	STEEL PLATE BEAM GUARDRAIL
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
643001-02	SAMD MODULE IMPACT ATTENUATORS
665001-02	WOVEN WIRE FENCE
701101-05	OFF-RD OPERATIONS, MULTILANE 15' (4.5 M) TO 24' (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS GREATER THAN 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08 812001	TRAFFIC CONTROL DEVICES RACEWAY EMBEDDED IN STRUCTURE
704001-08 821101-02	TEMPORARY CONCRETE BARRIER LUMINAIRE WIRING IN POLE
805001-01 838001-04	ELECTRICAL SERVICE INSTALLATION DETAILS BREAKAWAY DEVICES
836001-04 701427-05 701501-06	LIGHT POLE FOUNDATION LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <=/= 40 MPH URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

MODEL: #MODELNAME
 FILE NAME: P:\UIC\B&E\INDITEC\Illinois.gov\PWD\DOT\Documents\DOT - Offices\District 5\Projects\0570461\CADData\Design\0570461\Inditec_Standards_Commitments.dgn

USER NAME = PIERSONTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS & LIST OF STANDARDS
& COMMITMENTS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	2
		CONTRACT NO.	70A61	
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

G.N.-100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N. - 100B
MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

G.N.-105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-107.37
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED.
J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800) 892-0123 OR 811.

G.N.-201
TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS.

G.N.-202
GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED

G.N.-205
BENCHING PROCEDURES SHALL BE USED IN AREAS WHERE EXISTING EMBANKMENTS ARE WIDENED FOR THE PROPOSED PAVEMENT. STEPS SHALL BE CUT INTO THE EXISTING EMBANKMENT SLOPES AND SHALL HAVE THE FOLLOWING DIMENSIONS:
HORIZONTAL: VARIES
VERTICAL: 3 FEET

G.N.-280
TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED DISTURBED EARTH DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE TEMPORARY EROSION CONTROL SEEDING WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH AT THE TIME OF THEIR COMPLETION.

G.N.-353
THE SHADED AREAS OF P.C. CONCRETE BASE COURSE CONSTRUCTED ADJACENT TO COMBINATION CONCRETE CURB AND GUTTER AS SHOWN IN THE PLANS SHALL BE POURED MONOLITHIC WITH THE COMBINATION CONCRETE CURB AND GUTTER. THIS WORK WILL BE MEASURED AND INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR PORTLAND CEMENT CONCRETE BASE COURSE OF THE THICKNESS SPECIFIED IN THE PLANS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-406
THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N. -406H

MIXTURE REQUIREMENTS
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION	Bradley Ave.	Bradley Ave.
Mixture Use	Binder & Class D Patches	Surface
AC/PG	PG 64-22	PG 64-22
Design Air Voids	4.0% @ Ndes=50	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 19.0	IL 9.5
Friction Aggregate	N.A.	Mix D
Mixture Weight	112	112
Quality Management Program	QC/QA	QC/QA
Sublot Size	N.A.	N.A.

G.N.- 506
ALL FINAL SURFACES OF THE BEAMS SHALL BE PAINTED WITH LIGHT GREY (MUNSELL COLOR STANDARD - 10Y 7/1) EXCEPT THE EXTERIOR SURFACES OF THE EXTERIOR BEAMS WHICH SHALL BE PAINTED WITH INTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).

G.N.- 550
BEFORE ORDERING STORM SEWERS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

G.N.- 551
EXISTING STORM SEWERS SHALL BE REMOVED IN ACCORDANCE WITH SECTION 551 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONTRACTOR WILL NOT BE REQUIRED TO SALVAGE ANY EXISTING SEWER PIPE.

G.N.- 667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR LAYOUT OF THESE MARKERS.

G.N.- 1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

G.N.- Z0038
AN ALUMINUM TABLE OF THE TYPE SHOWN ON STANDARD 667101 SHALL BE PLACED ON THE PROPOSED STRUCTURE AS DIRECTED BY THE ENGINEER. THE BENCH MARK ELEVATION WILL BE ESTABLISHED AND MARKED BY THE DEPARTMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR PERMANENT BENCH MARKS.

MODEL: \\MODELNAME
FILE NAME: \\FILENAME
PROJECT: \\PROJECT
OFFICE: \\OFFICE
DATE: 10/18/2018

USER NAME = PERSONTJ	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN -	REVISED -	57			10-33BR	CHAMPAIGN	165	3		
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 70A61					
PLOT DATE = 10/18/2018	DATE -	REVISED -			SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FUNDING BREAKOUT:
CONSTRUCTION TYPE CODE:

URBAN

		ITEP		
FAI 57 I-57 URBAN STA. 509+81.62 CHAMPAIGN CO 90% FED / 10% STATE 0010	FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028	FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 50% ITEP/ 50% LOCAL 0028	FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 90% ITEP/ 5% LOCAL /5% STATE 0010	FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE QUANTITY	ROADWAY QUANTITY	LIGHTING QUANTITY	BRIDGE RAILING QUANTITY	BRIDGE RAIL COATING QUANTITY
20100500	TREE REMOVAL	UNIT	1.00	1.00				
20200100	EARTH EXCAVATION	UNIT	2,590.00	245.00	2,345.00			
20400800	FURNISHED EXCAVATION	CU YD	13,570.00	6,400.00	7,170.00			
20800150	TRENCH BACKFILL	CU YD	456.00		456.00			
25000210	SEEDING, CLASS 2A	ACRE	3.50	1.25	2.25			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	315.00	112.50	202.50			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	315.00	112.50	202.50			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	315.00	112.50	202.50			
25100115	MULCH, METHOD 2	ACRE	0.75		0.75			
25100630	EROSION CONTROL BLANKET	SQ YD	11,974.00	4,661.00	7,313.00			
25200100	SODDING	SQ YD	2,854.00		2,854.00			
25200200	SUPPLEMENTAL WATERING	UNIT	2.00		2.00			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,576.00	404.00	1,172.00			
28000305	TEMPORARY DITCH CHECKS	FOOT	258.00	45.00	213.00			
* DENOTES SPECIALTY ITEM								

MODEL: \\MODELNAME
FILE: \\FILENAME
PROJECT: \\PROJECTNAME
OFFICE: \\OFFICE
DATE: 10/19/2018

USER NAME = PiersonTJ	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/19/2018	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	4
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK:		FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028	FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 50% ITEP/ 50% LOCAL 0028	ITEP FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 90% ITEP/ 5% LOCAL /5% STATE 0010	FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028
FUNDING BREAKOUT: CONSTRUCTION TYPE CODE:	URBAN				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE QUANTITY	ROADWAY QUANTITY	LIGHTING QUANTITY	BRIDGE RAILING QUANTITY	BRIDGE RAIL COATING QUANTITY
28000400	PERIMETER EROSION BARRIER	FOOT	157.00		157.00			
28000500	INLET AND PIPE PROTECTION	EACH	66.00	6.00	60.00			
28100105	STONE RIPRAP, CLASS A3	SQ YD	8.00		8.00			
28200200	FILTER FABRIC	SQ YD	8.00		8.00			
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	5,847.00	357.00	5,490.00			
35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	2,988.00	210.00	2,778.00			
40200200	AGGREGATE SURFACE COURSE, TYPE A	CU YD	3.00		3.00			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4,368.00	331.00	4,037.00			
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,230.00	94.00	1,136.00			
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	816.00	62.00	754.00			
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	128.00	128.00				
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	1,097.00		1,097.00			
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	14.00		14.00			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5"	SQ FT	27,772.00	4,696.00	23,076.00			
* DENOTES SPECIALTY ITEM								

MODEL: #MODELNAME
FILE: NAME: P:\1118\BID\NITEC\Illinois.gov\PIV\DOT\Documents\DOT_Offices\District 5\Projects\0570A61\CADDData\Design\0570A61_sht-500.dgn

USER NAME = PiersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	5
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK:

	FAU 7110	FAU 7110	ITEP	FAU 7110	FAU 7110
	BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO	BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO
	80% ITEP/ 20% LOCAL 0028	50% ITEP/ 50% LOCAL 0028	90% ITEP/ 5% LOCAL /5% STATE 0010		80% ITEP/ 20% LOCAL 0028

FUNDING BREAKOUT: URBAN
CONSTRUCTION TYPE CODE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE QUANTITY	ROADWAY QUANTITY	LIGHTING QUANTITY	BRIDGE RAILING QUANTITY	BRIDGE RAIL COATING QUANTITY
* 42400800	DETECTABLE WARNINGS	SQ FT	56.00		56.00			
44000100	PAVEMENT REMOVAL	SQ YD	1,134.00		1,134.00			
44000156	HOT MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	6,243.00	129.00	6,114.00			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,103.00		1,103.00			
44000600	SIDEWALK REMOVAL	SQ FT	1,050.00		1,050.00			
44004250	PAVED SHOULDER REMOVAL	SQ YD	742.00	66.00	676.00			
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	710.00		710.00			
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1.00	1.00				
50104400	CONCRETE HEADWALL REMOVAL	EACH	4.00	4.00				
50105220	PIPE CULVERT REMOVAL	FOOT	65.00		65.00			
50157300	PROTECTIVE SHIELD	SQ YD	230.00	230.00				
50200100	STRUCTURE EXCAVATION	CU YD	597.00	597.00				
50300225	CONCRETE STRUCTURES	CU YD	204.70	204.70				
50300255	CONCRETE SUPERSTRUCTURE	CU YD	512.20	512.20				
* DENOTES SPECIALTY ITEM								

MODEL: \$MODELNAME
FILE: NAME: P:\PROJECTS\DOT Documents\DOT Office\District 5\Projects\0570A61\CADD\DATA\Design\0570A61-Sub-500.dgn

USER NAME = PiersonTJ	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/19/2018	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	6
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FUNDING BREAKOUT: URBAN
CONSTRUCTION TYPE CODE:

	ITEP			
FAI 57 I-57 URBAN STA. 509+81.62 CHAMPAIGN CO 90% FED / 10% STATE 0010	FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028	FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 50% ITEP/ 50% LOCAL 0028	FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 90% ITEP/ 5% LOCAL /5% STATE 0010	FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE QUANTITY	ROADWAY QUANTITY	LIGHTING QUANTITY	BRIDGE RAILING QUANTITY	BRIDGE RAIL COATING QUANTITY
50300260	BRIDGE DECK GROOVING	SQ YD	1,095.00	1,095.00				
50300300	PROTECTIVE COAT	SQ YD	1,836.00	1,836.00				
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	133.10	133.10				
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L. SUM	1.00	1.00				
50500505	STUD SHEAR CONNECTORS	EACH	3,636.00	3,636.00				
50800105	REINFORCEMENT BARS	POUND	10,570.00	10,570.00				
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	187,050.00	187,050.00				
50800530	MECHANICAL SPLICERS	EACH	72.00	72.00				
50901730	BRIDGE FENCE RAILING	CY YD	488.00				488	
51100100	SLOPE WALL 4 INCH	SQ YD	64.00	64.00				
51200959	FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT	2,056.00	2,056.00				
51202305	DRIVING PILES	FOOT	2,056.00	2,056.00				
51203200	TEST PILE METAL SHELLS	EACH	3.00	3.00				
51500100	NAME PLATES	EACH	1.00	1.00				
* DENOTES SPECIALTY ITEM								

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FILE NAME: P:\11108\BID\NITEC\Illinois.gov\PIV\DOT\Documents\DOT_Offices\District 5\Projects\0570A61\CADDData\Design\0570A61_sht-500.dgn

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	DRAWN -	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/19/2018	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	7
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK: FUNDING BREAKOUT: CONSTRUCTION TYPE CODE:	URBAN	FAI 57 I-57 URBAN STA. 509+81.62 CHAMPAIGN CO 90% FED / 10% STATE 0010	FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028	FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 50% ITEP/ 50% LOCAL 0028	ITEP FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 90% ITEP/ 5% LOCAL /5% STATE 0010	FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE QUANTITY	ROADWAY QUANTITY	LIGHTING QUANTITY	BRIDGE RAILING QUANTITY	BRIDGE RAIL COATING QUANTITY
52100520	ANCHOR BOLTS, 1"	EACH	24.00	24.00				
52100530	ANCHOR BOLTS, 1 1/4"	EACH	12.00	12.00				
54002020	EXPANSION BOLTS 3/4 INCH	EACH	44.00	44.00				
54003000	CONCRETE BOX CULVERTS	CU YD	60.90	60.90				
54210182	PIPE ELBOW, 12"	EACH	46.00	8.00	38.00			
54213447	END SECTIONS 12"	EACH	22.00	4.00	18.00			
54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	1.00		1.00			
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1.00		1.00			
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1.00		1.00			
54214512	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 27"	EACH	1.00		1.00			
54216200	REINFORCED CONCRETE PIPE TEE, 24" PIPE WITH 12" RISER	EACH	1.00		1.00			
54248510	CONCRETE COLLAR	CU YD	0.50		0.50			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	66.00		66.00			
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	443.00		443.00			
* DENOTES SPECIALTY ITEM								

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USER NAME = PiersonTJ	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/19/2018	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 5 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	8
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK: FUNDING BREAKOUT: CONSTRUCTION TYPE CODE:	URBAN	FAI 57 I-57 URBAN STA. 509+81.62 CHAMPAIGN CO 90% FED / 10% STATE 0010	FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 80% ITEP / 20% LOCAL 0028	FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 50% ITEP / 50% LOCAL 0028	ITEP FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 90% ITEP / 5% LOCAL / 5% STATE 0010	FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 80% ITEP / 20% LOCAL 0028
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE QUANTITY	ROADWAY QUANTITY	LIGHTING QUANTITY	BRIDGE RAILING QUANTITY	BRIDGE RAIL COATING QUANTITY
550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	488.00		488.00			
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	232.00	13.00	219.00			
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	338.00		338.00			
550A4200	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 27"	FOOT	155.00		155.00			
55100500	STORM SEWER REMOVAL 12"	FOOT	37.00		37.00			
55100900	STORM SEWER REMOVAL 18"	FOOT	143.00		143.00			
55101200	STORM SEWER REMOVAL 24"	FOOT	476.00		476.00			
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	104.00	104.00				
60100945	PIPE DRAINS 12"	FOOT	1,054.00	208.00	846.00			
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4.00		4.00			
60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	3.00		3.00			
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	3.00	2.00	1.00			
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	3.00		3.00			
60223700	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	5.00		5.00			

* DENOTES SPECIALTY ITEM

MODEL: \$MODELNAME
FILE: NAME: P:\PROJECTS\70A61\CADD\DATA\Design\70A61.sht-500.dgn

USER NAME = PiersonTJ DRAWN - PLOT SCALE = 40.0000' / in. PLOT DATE = 10/19/2018	DESIGNED - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 9
				SCALE:	SHEET 6 OF 12 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 70A61	

SUMMARY OF QUANTITIES

LOCATION OF WORK:

	FAU 7110	FAU 7110	ITEP	FAU 7110	FAU 7110
FAI 57 I-57 URBAN STA. 509+81.62 CHAMPAIGN CO 90% FED / 10% STATE 0010	BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028	BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 50% ITEP/ 50% LOCAL 0028	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 90% ITEP/ 5% LOCAL /5% STATE 0010	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028

FUNDING BREAKOUT: URBAN
CONSTRUCTION TYPE CODE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE QUANTITY	ROADWAY QUANTITY	LIGHTING QUANTITY	BRIDGE RAILING QUANTITY	BRIDGE RAIL COATING QUANTITY
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	20.00		20.00			
60238800	INLETS, TYPE A	EACH	12.00	4.00	8.00			
60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	1.00		1.00			
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	10.00		10.00			
60240395	INLETS, TYPE B	EACH	2.00		2.00			
60260500	INLETS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	1.00		1.00			
60404305	FRAMES AND GRATES, TYPE 3V	EACH	14.00	4.00	10.00			
60500040	REMOVING MANHOLES	EACH	4.00	1.00	3.00			
60500060	REMOVING INLETS	EACH	7.00		7.00			
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	6,055.50	1,114.00	4,941.50			
60615400	PAVED DITCH, TYPE A-15	FOOT	422.00		422.00			
61000050	CONCRETE THRUST BLOCKS	EACH	22.00	4.00	18.00			
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	200.00	200.00				
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1.00	1.00				
* DENOTES SPECIALTY ITEM								

MODEL: #MODELNAME
FILE NAME: P:\UUT\B&E\BID\ITEC\Illinois.gov\RWIDOT\Documents\DOT_Offices\District 5\Projects\0570A61\CADDData\Design\0570A61-sh-500.dgn

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	DRAWN -	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/19/2018	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 7 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	10
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK:

	ITEP			
FAI 57 I-57 URBAN STA. 509+81.62 CHAMPAIGN CO 90% FED / 10% STATE 0010	FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028	FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 50% ITEP/ 50% LOCAL 0028	FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 90% ITEP/ 5% LOCAL /5% STATE 0010	FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028

FUNDING BREAKOUT: URBAN
CONSTRUCTION TYPE CODE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE QUANTITY	ROADWAY QUANTITY	LIGHTING QUANTITY	BRIDGE RAILING QUANTITY	BRIDGE RAIL COATING QUANTITY
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4.00	4.00			
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	5.00	5.00			
	63200310	GUARDRAIL REMOVAL	FOOT	3,013.00	3,013.00			
*	63400105	GUARD POSTS	EACH	10.00	10.00			
	64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.00	2.00			
	66500105	WOVEN WIRE FENCE, 4'	FOOT	382.00	382.00			
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	190.00	190.00			
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1.00	1.00			
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1.00	1.00			
*	66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	3.00	3.00			
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1.00	1.00			
	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	12.00	12.00			
	67100100	MOBILIZATION	LSUM	1.00	0.90	0.10		
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	184.00	184.00			
* DENOTES SPECIALTY ITEM								

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DRAWN -	REVISOR -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 8 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	11
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK:

	FAU 7110	FAU 7110	ITEP	FAU 7110	FAU 7110
	BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO	BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO
	80% ITEP/ 20% LOCAL 0028	50% ITEP/ 50% LOCAL 0028	90% ITEP/ 5% LOCAL /5% STATE 0010	80% ITEP/ 20% LOCAL 0028	80% ITEP/ 20% LOCAL 0028

FUNDING BREAKOUT: URBAN
CONSTRUCTION TYPE CODE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE QUANTITY	ROADWAY QUANTITY	LIGHTING QUANTITY	BRIDGE RAILING QUANTITY	BRIDGE RAIL COATING QUANTITY
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1.00	1.00				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	397.00	20.00	377.00			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	9,599.00	1,671.00	7,928.00			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	230.00		230.00			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	582.00		582.00			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	41.00		41.00			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2,438.00	2,438.00				
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2.00	2.00				
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6.00	6.00				
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	9.00	9.00				
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	397.00	20.00	377.00			
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	9,599.00	1,671.00	7,928.00			
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	230.00		230.00			
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	582.00		582.00			
* DENOTES SPECIALTY ITEM								

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 9 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	12
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK:

	ITEP			
FAI 57 I-57 URBAN STA. 509+81.62 CHAMPAIGN CO 90% FED / 10% STATE 0010	FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028	FAU 7110 BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 50% ITEP/ 50% LOCAL 0028	FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 90% ITEP/ 5% LOCAL /5% STATE 0010	FAU 7110 BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028

FUNDING BREAKOUT: URBAN
CONSTRUCTION TYPE CODE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE QUANTITY	ROADWAY QUANTITY	LIGHTING QUANTITY	BRIDGE RAILING QUANTITY	BRIDGE RAIL COATING QUANTITY
*	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	41.00		41.00		
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	24.00	24.00			
*	81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	405.00		405.00		
*	81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	310.00	310.00			
*	81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2.00	2.00			
*	81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	350.00	350.00			
*	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	700.00	700.00			
*	83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6"	EACH	17.00	2.00	15.00		
*	83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	68.00	8.00	60.00		
	X0322494	CURB CUT	FOOT	2.00		2.00		
	X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	2.00		2.00		
	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	4.00		4.00		
*	X0323360	WOODEN POLE REMOVAL	EACH	1.00		1.00		
*	X1200139	REMOVAL OF LIGHTING LUMINAR SALVAGE	EACH	1.00		1.00		
* DENOTES SPECIALTY ITEM								

MODEL: \$MODELNAME
FILE: NAME: P:\PROJECTS\DOT Documents\DOT Office\District 5\Projects\DOT\661\CADD\DATA\Design\DOT\661\sh-500.dgn

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	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/19/2018	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 10 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	13
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK:

	FAU 7110	FAU 7110	ITEP	FAU 7110	FAU 7110
FAI 57 I-57 URBAN STA. 509+81.62 CHAMPAIGN CO 90% FED / 10% STATE 0010	BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028	BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 50% ITEP/ 50% LOCAL 0028	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 90% ITEP/ 5% LOCAL /5% STATE 0010	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028

FUNDING BREAKOUT: URBAN
CONSTRUCTION TYPE CODE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE QUANTITY	ROADWAY QUANTITY	LIGHTING QUANTITY	BRIDGE RAILING QUANTITY	BRIDGE RAIL COATING QUANTITY
* X1400094	LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE	EACH	18.00	3.00	15.00			
* X1400356	UNIT DUCT WITH 2-1/C NO. 6 AND 1/C NO.8 GROUND, 600V (XLP-TYPE USE), 2" DIAMETER POLYETHYLENE	FOOT	3,240.00	220.00		3,020.00		
* X2500003	POWDER COATING OF BRIDGE FENCE RAILING	LSUM	1.00					1
X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	16.00	16.00				
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	210.00	210.00				
X6340205	GUARD POSTS REMOVAL	EACH	10.00	10.00				
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	2.00	2.00				
X6431110	REMOVE ATTENUATOR BASE	EACH	2.00	2.00				
X6650202	WOVEN WIRE FENCE REMOVAL	FOOT	150.00	150.00				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1.00	1.00				
* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	397.00	20.00	377.00			
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	9,599.00	1,671.00	7,928.00			
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	230.00		230.00			
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	582.00		582.00			
* DENOTES SPECIALTY ITEM								

MODEL: #MODELNAME
FILE NAME: P:\MIDOT\Documents\DOT_Offices\District 5\Projects\0570A61\CADDData\Design\0570A61.dwg

USER NAME = PiersonTJ	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/19/2018	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 11 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	14
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

REV. 12/7/18 REV. 11/27/18

SUMMARY OF QUANTITIES

LOCATION OF WORK:

	FAU 7110	FAU 7110	ITEP	FAU 7110	FAU 7110
FAI 57 I-57 URBAN STA. 509+81.62 CHAMPAIGN CO 90% FED / 10% STATE 0010	BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028	BRADLEY AVENUE URBAN STA. 14+00.00 TO STA. 44+53.18 CHAMPAIGN CO 50% ITEP/ 50% LOCAL 0028	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 90% ITEP/ 5% LOCAL /5% STATE 0010	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028	BRADLEY AVENUE URBAN STA. 24+60.14 TO STA. 27+40.19 CHAMPAIGN CO 80% ITEP/ 20% LOCAL 0028

FUNDING BREAKOUT: URBAN
CONSTRUCTION TYPE CODE:

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE QUANTITY	ROADWAY QUANTITY	LIGHTING QUANTITY	BRIDGE RAILING QUANTITY	BRIDGE RAIL COATING QUANTITY
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	41.00		41.00			
* X8040102	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1			1.00		
* X8110458	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	20	20.00				
* X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1.00			1.00		
* X8300001	LIGHT POLE, SPECIAL	EACH	18.00	3.00		15.00		
Z0016702	DETOUR SIGNING	LSUM	1	1.00				
Z0038700	PERMANENT BENCH MARKS	EACH	1	1.00				
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	184	184.00				
Z0076600	TRAINEES	HOUR	1,500		1,500			
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,500		1,500			
* DENOTES SPECIALTY ITEM								

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USER NAME = PiersonTJ	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = 10/19/2018	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

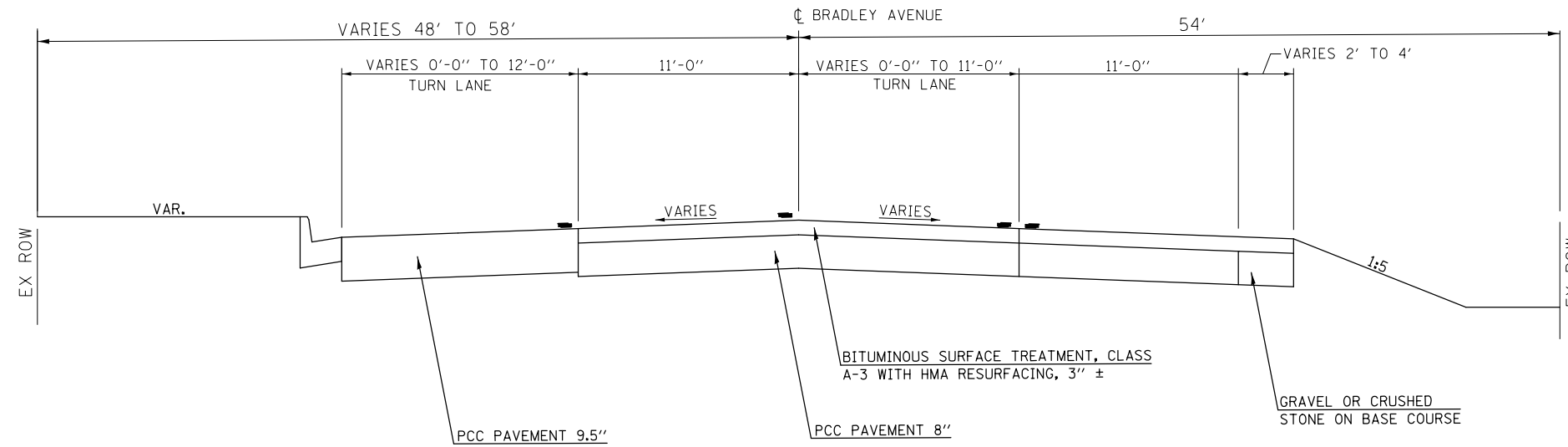
SUMMARY OF QUANTITIES

SCALE: SHEET 12 OF 12 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	15
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

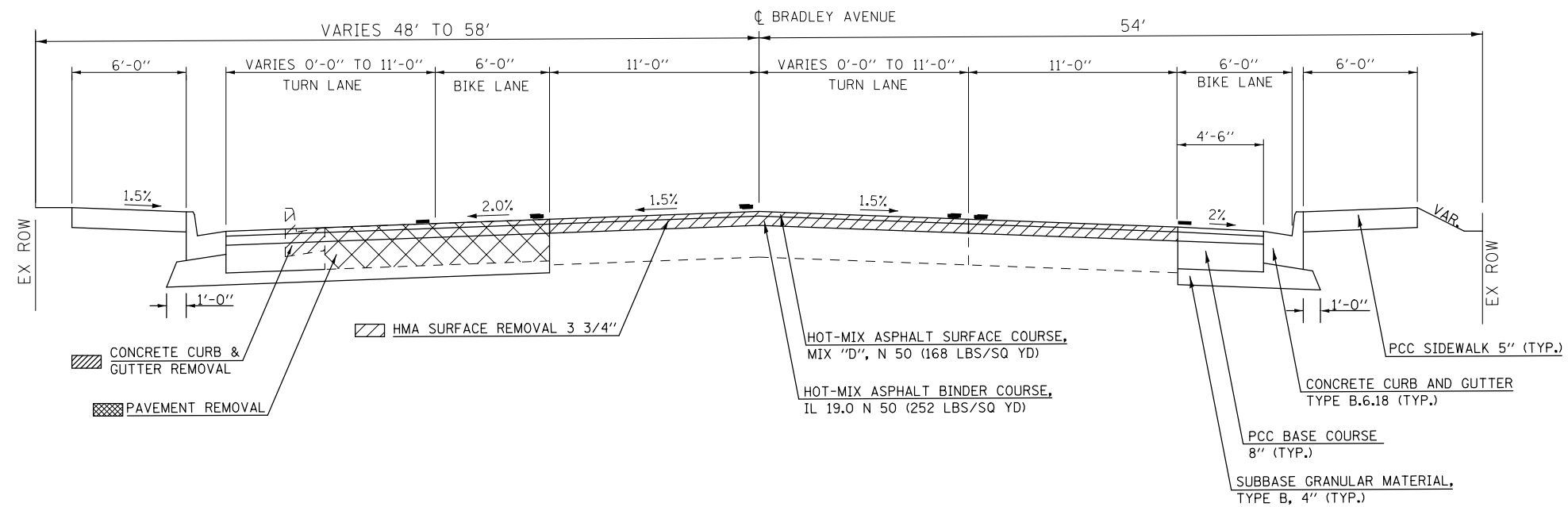
EXISTING TYPICAL CROSS SECTION

STATION TO STATION
14 + 00.00 TO 18 + 89.77



① PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
14 + 00.00 TO 18 + 89.77 ②



MODEL: \\MODELNAME
FILE: \\NAME.Plot\ILLINOIS\DOT\Documents\DOT Office\Bridget 5\Projects\0570A61\CADD\Drawings\0570A61-Sub-Typical Cross Sections.dgn

USER NAME = PERSONTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 8,000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

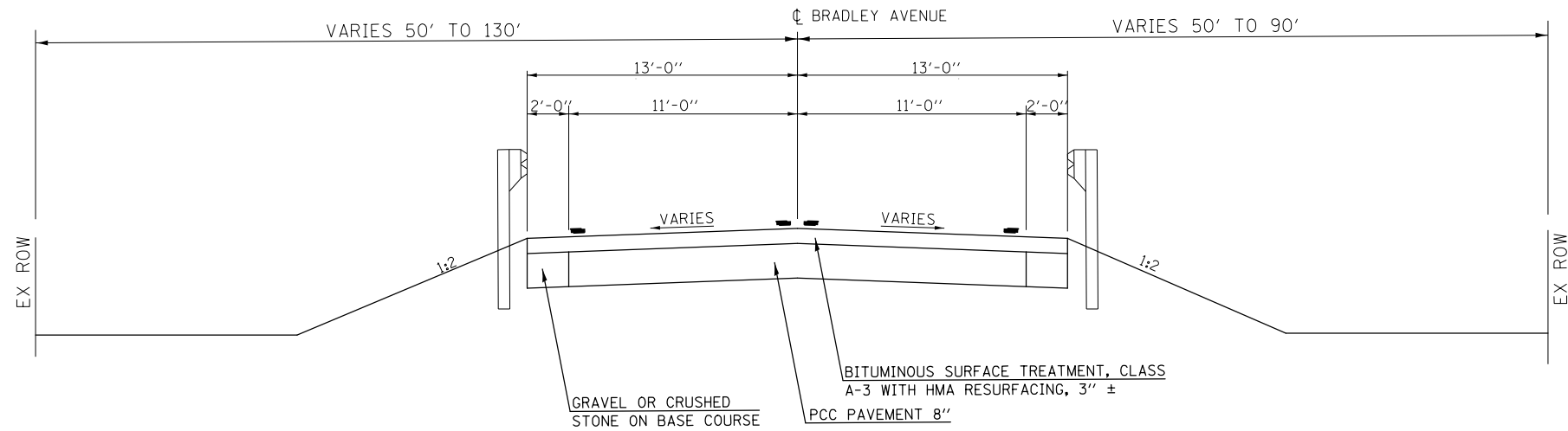
BRADLEY AVE TYPICAL CROSS-SECTIONS

SCALE: N.T.S. SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	16
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL CROSS SECTION

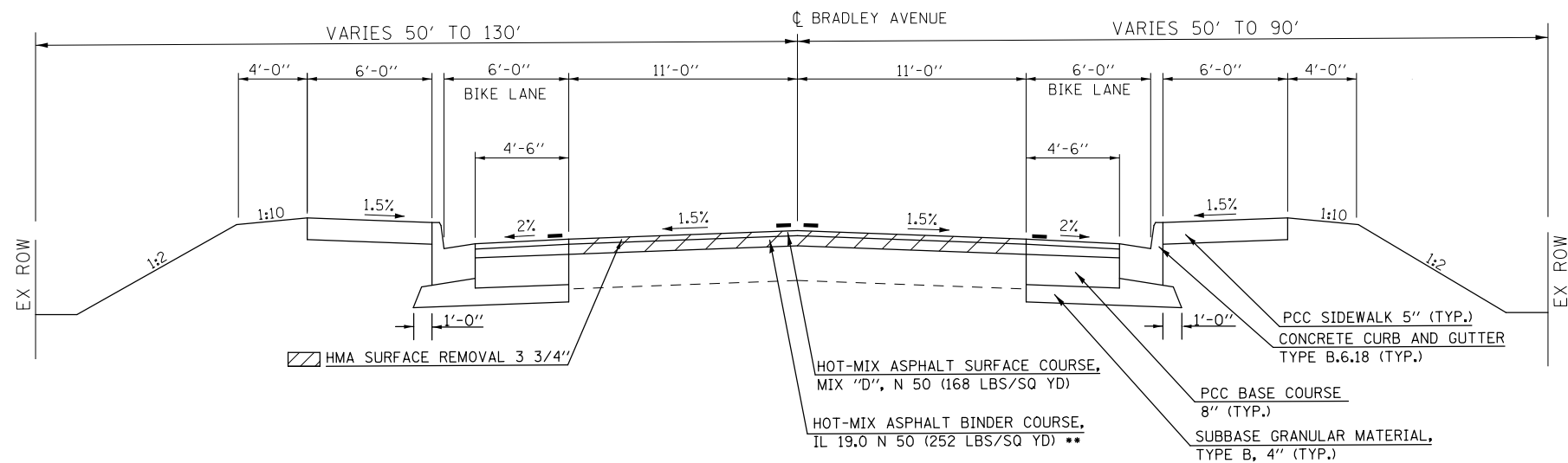
STATION TO STATION
18 + 89.77 TO 24 + 60.14
27 + 70.19 TO 34 + 00.00



② PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
① 18 + 89.77 TO 24 + 60.14*
***27 + 70.19 TO 34 + 00.00 ③**

***RESURFACING OMISSION 24 + 43.25 TO 27 + 27 + 87.13**



** THICKNESS VARIABLE BETWEEN
 23+25.63 TO 24+43.25 AND 27+87.13 TO 28+30.78

MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
 DATE: 10/18/2018

USER NAME = PIERSONTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 8,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

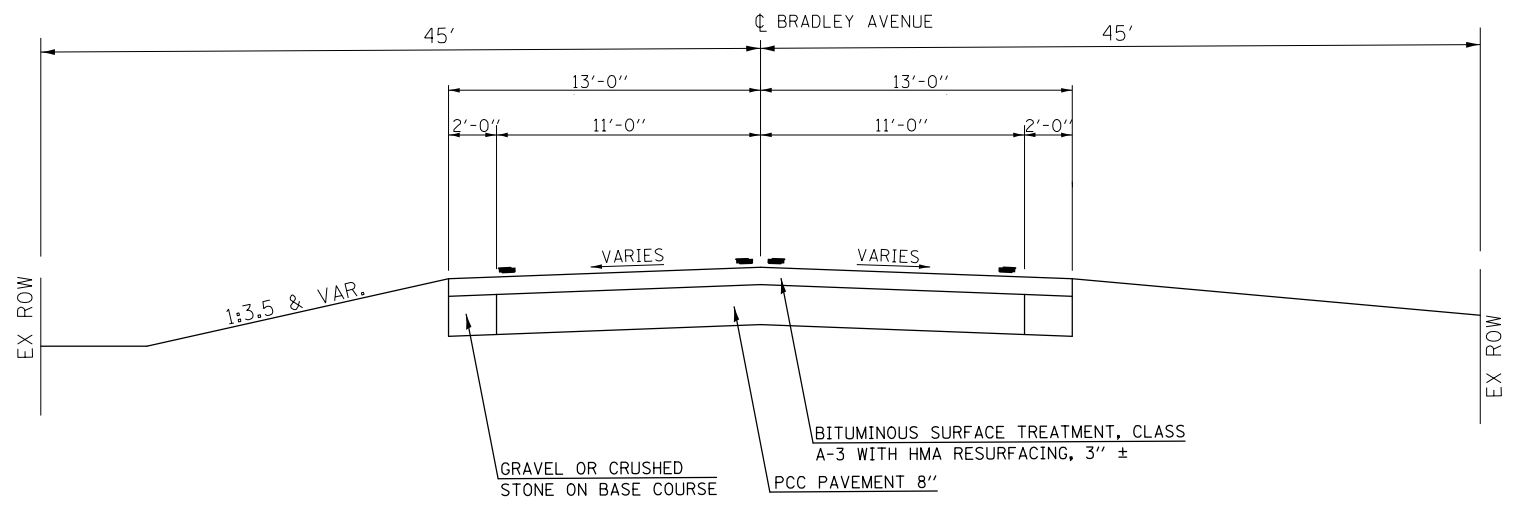
BRADLEY AVE TYPICAL CROSS-SECTIONS

SCALE: N.T.S. SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	17
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

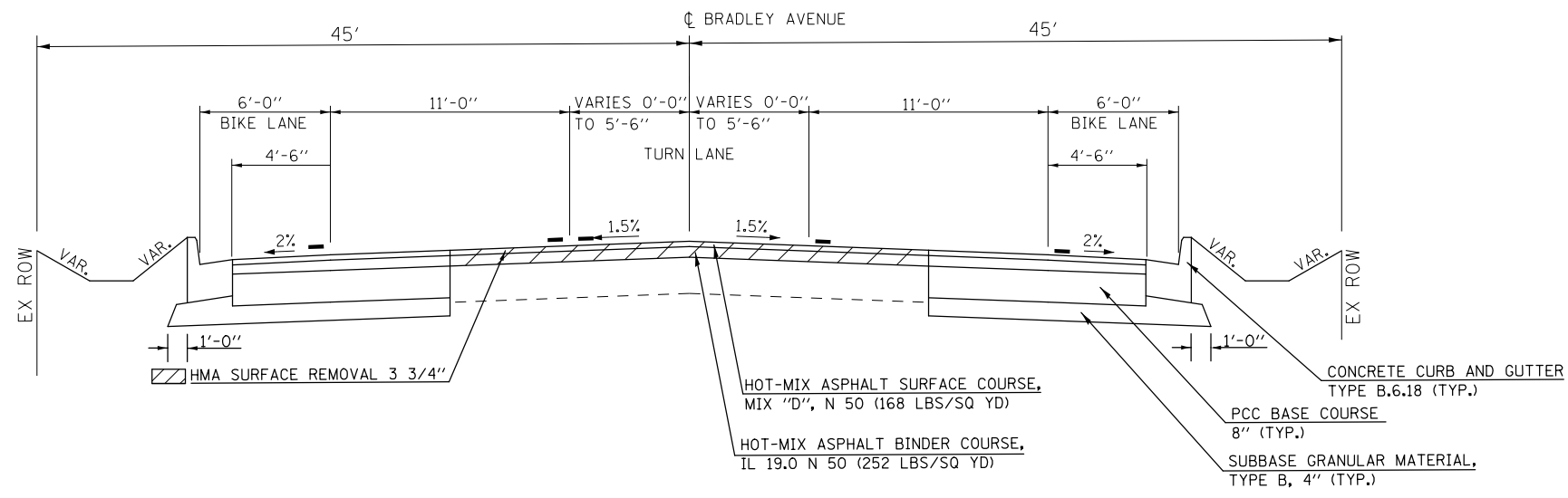
EXISTING TYPICAL CROSS SECTION

STATION TO STATION
34 + 00.00 TO 40 + 07.66



③ PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
② 34 + 00.00 TO 40 + 07.66 ④



MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
 DRAWING: \\DRAWING
 SHEET: \\SHEET

USER NAME = PERSONTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 8,000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

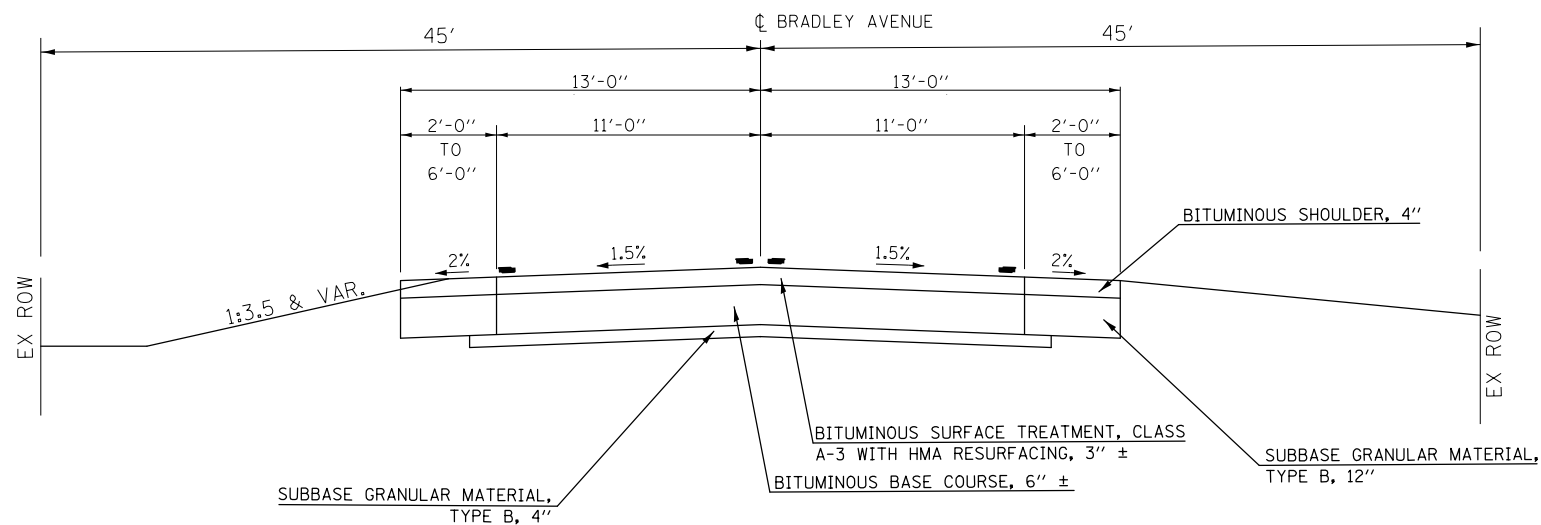
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRADLEY AVE TYPICAL CROSS-SECTIONS
SCALE: N.T.S. SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 18
			CONTRACT NO. 70A61	
		ILLINOIS FED. AID PROJECT		

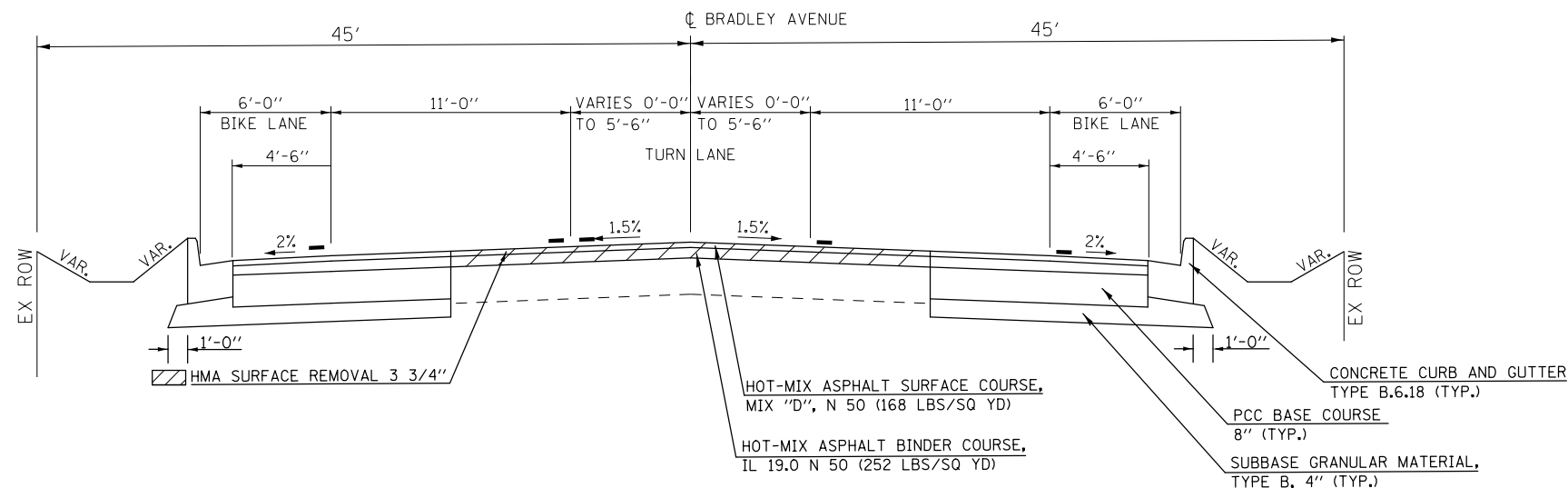
EXISTING TYPICAL CROSS SECTION

STATION TO STATION
40 + 07.66 TO 40 + 77.74



④ PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
③ 40 + 07.66 TO 40 + 77.74 ⑤



MODEL: \\MODELNAME
FILE: \\NAME.Plot
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USER NAME = PIERSONTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 8,000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

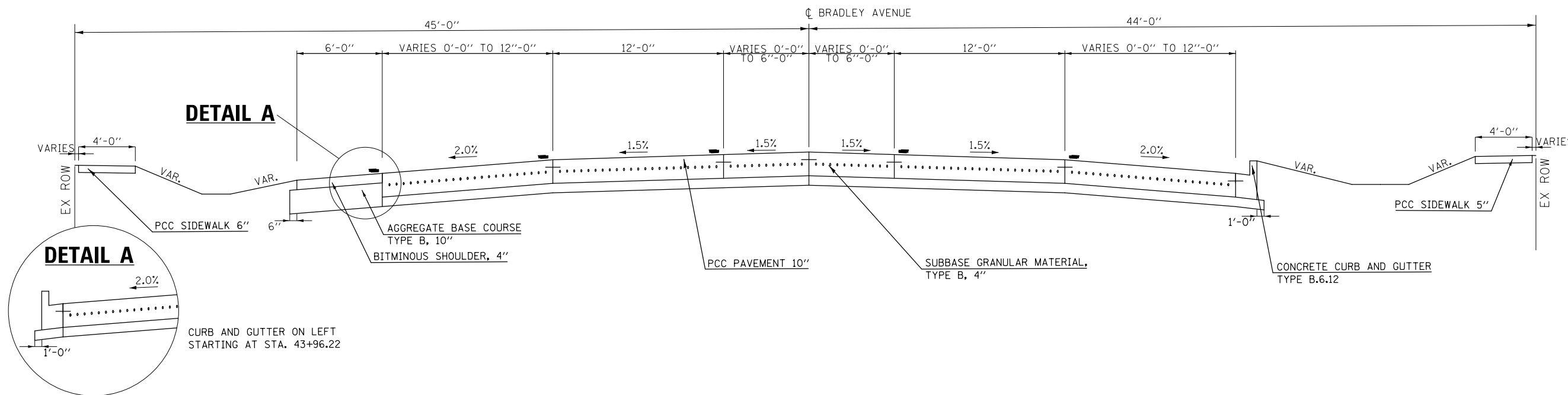
BRADLEY AVE TYPICAL CROSS-SECTIONS

SCALE: N.T.S. SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	19
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

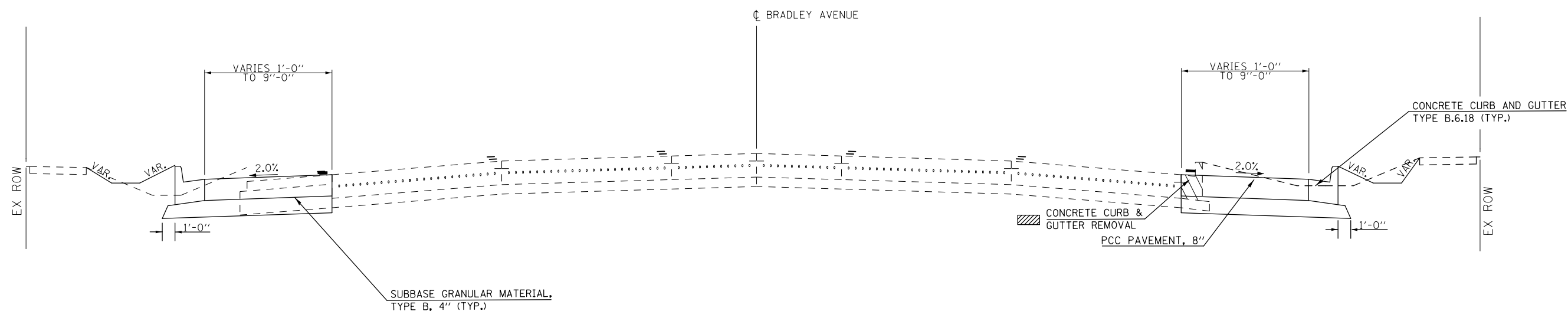
EXISTING TYPICAL CROSS SECTION

STATION TO STATION
40 + 77.74 43 + 96.22



PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
④ 40 + 77.74 43 + 96.22 ⑥



MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 DRAWING: \\DRAWING
 SHEET: \\SHEET
 DATE: \\DATE

USER NAME = PERSONTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 8,000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRADLEY AVE TYPICAL CROSS-SECTIONS

SCALE: N.T.S. SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	20
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

TREE REMOVAL SCHEDULE		
	BRIDGE QUADRANT	STATE
		20100500
	AREA SQ YD	TREE REMOVAL ACRE
	NE QUADRANT	0.25
	NW QUADRANT	0.25
	SE QUADRANT	0.25
	SW QUADRANT	0.25
TOTALS =		1

EARTHWORK SCHEDULE																	
	STA	TO	STA	LENGTH FT	LT START FILL SQ FT	LT START CUT SQ FT	RT START FILL SQ FT	RT START CUT SQ FT	LT END FILL SQ FT	LT END CUT SQ FT	RT END FILL SQ FT	RT END CUT SQ FT	20200100		TOTAL EMBANKMENT CU YD	EARTHWORK BALANCE WASTE(+) SHORTAGE (-) CU YD	
													EARTH EXCAVATION CU YD	EARTH EXC ADJ. FOR SHRINKAGE CU YD			
													EARTH EXCAVATION CU YD	EARTH EXC ADJ. FOR SHRINKAGE CU YD			
LOCAL	14+00.00	TO	14+53.56	53.56	1.14	9.48	0.00	0.00	1.56	0.00	0.00	0.00	9.40	7.05	2.68	4.37	
LOCAL	14+53.56	TO	14+84.10	30.54	1.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.88	-0.88	
LOCAL	14+84.10	TO	15+00.00	15.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
LOCAL	15+00.00	TO	15+10.63	10.63	0.00	0.00	0.00	0.00	0.00	0.00	8.32	0.00	0.00	0.00	1.64	-1.64	
LOCAL	15+10.63	TO	15+50.00	39.37	0.00	0.00	8.32	0.00	0.00	28.55	37.00	10.90	28.76	21.57	33.04	-11.47	
LOCAL	15+50.00	TO	16+00.00	50.00	0.00	28.55	37.00	10.90	0.00	30.15	25.51	4.96	69.04	51.78	57.88	-6.10	
LOCAL	16+00.00	TO	16+25.00	25.00	0.00	30.15	25.51	4.96	0.00	29.65	27.41	4.08	31.87	23.90	24.50	-0.60	
LOCAL	16+25.00	TO	16+50.00	25.00	0.00	29.65	27.41	4.08	0.00	26.93	26.95	4.17	30.01	22.51	25.17	-2.66	
LOCAL	16+50.00	TO	16+75.00	25.00	0.00	26.93	26.95	4.17	0.00	30.74	26.65	4.65	30.78	23.09	24.81	-1.73	
LOCAL	16+75.00	TO	17+00.00	25.00	0.00	30.74	26.65	4.65	0.00	32.22	26.99	4.99	33.61	25.21	24.83	0.37	
LOCAL	17+00.00	TO	17+50.00	50.00	0.00	32.22	26.99	4.99	6.33	13.72	29.04	5.20	51.97	38.98	57.74	-18.76	
LOCAL	17+50.00	TO	17+75.00	25.00	6.33	13.72	29.04	5.20	34.93	11.22	30.04	5.30	16.41	12.31	46.45	-34.15	
LOCAL	17+75.00	TO	18+00.00	25.00	34.93	11.22	30.04	5.30	42.90	10.85	30.96	5.40	15.17	11.38	64.27	-52.89	
LOCAL	18+00.00	TO	18+50.00	50.00	42.90	10.85	30.96	5.40	54.52	6.95	32.77	6.71	27.69	20.77	149.21	-128.44	
LOCAL	18+50.00	TO	18+95.83	45.83	54.52	6.95	32.77	6.71	0.99	8.98	42.65	4.67	23.18	17.38	111.12	-93.74	
LOCAL	18+95.83	TO	19+50.00	54.17	0.99	8.98	42.65	4.67	42.83	51.17	57.15	6.38	71.42	53.57	144.07	-90.50	
LOCAL	19+50.00	TO	20+00.00	50.00	42.83	51.17	57.15	6.38	51.25	31.25	71.67	8.69	90.27	67.70	206.39	-138.69	
LOCAL	20+00.00	TO	20+50.00	50.00	51.25	31.25	71.67	8.69	62.80	24.72	70.90	15.89	74.58	55.94	237.61	-181.67	
LOCAL	20+50.00	TO	21+00.00	50.00	62.80	24.72	70.90	15.89	70.40	20.65	77.89	19.92	75.17	56.38	261.10	-204.73	
LOCAL	21+00.00	TO	21+50.00	50.00	70.40	20.65	77.89	19.92	102.48	17.63	123.28	20.68	73.04	54.78	346.34	-291.56	
LOCAL	21+50.00	TO	22+00.00	50.00	102.48	17.63	123.28	20.68	136.00	15.63	127.42	19.80	68.28	51.21	452.94	-401.74	
LOCAL	22+00.00	TO	22+50.00	50.00	136.00	15.63	127.42	19.80	171.19	15.64	157.35	20.86	66.60	49.95	548.11	-498.16	
LOCAL	22+50.00	TO	22+97.75	47.75	171.19	15.64	157.35	20.86	208.63	15.46	189.75	25.09	68.13	51.10	642.79	-591.69	
STATE	22+97.75	TO	23+50.00	52.25	208.63	15.46	189.75	25.09	255.48	14.61	230.38	13.27	66.21	49.66	855.58	-805.92	
STATE	23+50.00	TO	24+00.00	50.00	255.48	14.61	230.38	13.27	337.28	9.67	327.25	2.18	36.79	27.59	1,065.18	-1,037.59	
STATE	24+00.00	TO	24+50.00	50.00	337.28	9.67	327.25	2.18	309.19	7.43	237.13	0.20	18.04	13.53	1,121.16	-1,107.63	
STATE	24+50.00	TO	25+00.00	50.00	309.19	7.43	237.13	0.20	0.74	0.00	45.88	0.00	7.07	5.30	549.02	-543.72	
STATE	25+00.00	TO	25+50.00	50.00	0.74	0.00	45.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.17	-43.17	
STATE	25+50.00	TO	26+00.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
STATE	26+00.00	TO	26+50.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
STATE	26+50.00	TO	26+88.80	38.80	0.00	0.00	0.00	0.00	0.00	0.00	50.38	2.87	2.06	1.55	36.20	-34.65	
STATE	26+88.80	TO	27+00.00	11.20	0.00	0.00	50.38	2.87	0.00	0.00	163.68	14.89	3.68	2.76	44.40	-41.63	
STATE	27+00.00	TO	27+47.23	47.23	0.00	0.00	163.68	14.89	380.40	0.00	241.67	12.38	23.85	17.89	687.24	-669.35	
STATE	27+47.23	TO	28+00.00	52.77	380.40	0.00	241.67	12.38	275.56	9.01	274.16	15.45	36.00	27.00	1,145.10	-1,118.10	
STATE	28+00.00	TO	28+54.63	54.63	275.56	9.01	274.16	15.45	220.74	9.56	252.17	16.32	50.93	38.20	1,034.56	-996.37	
LOCAL	28+54.63	TO	29+00.00	45.37	220.74	9.56	252.17	16.32	207.76	9.81	231.47	15.12	42.69	32.02	766.37	-734.35	
LOCAL	29+00.00	TO	29+50.00	50.00	207.76	9.81	231.47	15.12	188.86	10.21	210.73	12.53	44.14	33.10	776.69	-743.58	
LOCAL	29+50.00	TO	30+00.00	50.00	188.86	10.21	210.73	12.53	147.48	8.01	180.76	10.65	38.33	28.75	673.92	-645.17	

SCHEDULE CONTINUED ON PAGE 22

MODEL: \\MODELNAME
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USER NAME = PiersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 1 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	21
CONTRACT NO. 70A61				
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

EARTHWORK SCHEDULE																
	STA	TO	STA	LENGTH FT	LT START FILL SQ FT	LT START CUT SQ FT	RT START FILL SQ FT	RT START CUT SQ FT	LT END FILL SQ FT	LT END CUT SQ FT	RT END FILL SQ FT	RT END CUT SQ FT	20200100		EARTHWORK BALANCE WASTE(+) SHORTAGE (-) CU YD	
													EARTH EXCAVATION CU YD	EARTH EXC ADJ. FOR SHRINKAGE CU YD		TOTAL EMBANKMENT CU YD
													EARTH EXCAVATION CU YD	EARTH EXC ADJ. FOR SHRINKAGE CU YD		TOTAL EMBANKMENT CU YD
LOCAL	30+00.00	TO	30+50.00	50.00	147.48	8.01	180.76	10.65	109.64	6.70	150.32	9.49	32.27	24.20	544.63	-520.43
LOCAL	30+50.00	TO	31+00.00	50.00	109.64	6.70	150.32	9.49	80.63	6.96	121.99	8.89	29.67	22.25	428.31	-406.06
LOCAL	31+00.00	TO	31+50.00	50.00	80.63	6.96	121.99	8.89	65.47	7.13	109.46	10.98	31.44	23.58	349.58	-326.00
LOCAL	31+50.00	TO	32+00.00	50.00	65.47	7.13	109.46	10.98	55.99	6.88	87.24	11.30	33.60	25.20	294.59	-269.39
LOCAL	32+00.00	TO	32+50.00	50.00	55.99	6.88	87.24	11.30	48.26	7.97	62.52	13.14	36.38	27.28	235.19	-207.91
LOCAL	32+50.00	TO	33+00.00	50.00	48.26	7.97	62.52	13.14	41.07	9.71	42.42	15.95	43.31	32.48	179.88	-147.40
LOCAL	33+00.00	TO	33+50.00	50.00	41.07	9.71	42.42	15.95	35.38	11.52	32.45	16.88	50.06	37.54	140.11	-102.57
LOCAL	33+50.00	TO	34+00.00	50.00	35.38	11.52	32.45	16.88	36.05	14.48	31.05	18.54	56.87	42.65	124.94	-82.28
LOCAL	34+00.00	TO	34+50.00	50.00	36.05	14.48	31.05	18.54	37.13	18.29	30.47	21.44	67.36	50.52	124.72	-74.20
LOCAL	34+50.00	TO	35+00.00	50.00	37.13	18.29	30.47	21.44	36.60	20.51	27.87	23.73	77.75	58.31	122.29	-63.97
LOCAL	35+00.00	TO	35+50.00	50.00	36.60	20.51	27.87	23.73	34.68	23.09	23.97	23.76	84.34	63.26	114.00	-50.74
LOCAL	35+50.00	TO	36+00.00	50.00	34.68	23.09	23.97	23.76	10.44	12.28	38.60	8.98	63.06	47.30	99.71	-52.41
LOCAL	36+00.00	TO	36+10.10	10.10	10.44	12.28	38.60	8.98	7.96	13.24	36.41	8.95	8.13	6.10	17.47	-11.38
LOCAL	36+10.10	TO	36+31.05	20.95	7.96	13.24	36.41	8.95	31.00	10.90	27.63	11.10	17.14	12.86	39.96	-27.10
LOCAL	36+31.05	TO	36+40.00	8.95	31.00	10.90	27.63	11.10	30.97	10.92	5.16	15.32	8.00	6.00	15.71	-9.71
LOCAL	36+40.00	TO	36+50.00	10.00	30.97	10.92	5.16	15.32	30.76	10.88	1.61	19.05	10.40	7.80	12.69	-4.88
LOCAL	36+50.00	TO	36+98.92	48.92	30.76	10.88	1.61	19.05	29.23	10.81	0.00	0.00	36.91	27.68	55.81	-28.12
LOCAL	36+98.92	TO	37+51.45	52.53	29.23	10.81	0.00	0.00	31.88	10.93	2.83	16.91	37.60	28.20	62.20	-34.00
LOCAL	37+51.45	TO	37+75.00	23.55	31.88	10.93	2.83	16.91	15.42	11.10	1.20	17.88	24.78	18.58	22.39	-3.80
LOCAL	37+75.00	TO	38+00.00	25.00	15.42	11.10	1.20	17.88	13.35	11.00	1.78	16.13	25.98	19.48	14.70	4.78
LOCAL	38+00.00	TO	38+50.00	50.00	13.35	11.00	1.78	16.13	12.64	11.19	5.13	12.29	46.86	35.15	30.46	4.68
LOCAL	38+50.00	TO	39+00.00	50.00	12.64	11.19	5.13	12.29	13.88	11.75	6.26	11.31	43.09	32.32	35.10	-2.78
LOCAL	39+00.00	TO	39+25.00	25.00	13.88	11.75	6.26	11.31	14.40	12.06	6.78	10.79	21.25	15.94	19.13	-3.19
LOCAL	39+25.00	TO	39+50.00	25.00	14.40	12.06	6.78	10.79	14.78	12.33	7.32	10.28	12.05	15.78	20.04	-4.25
LOCAL	39+50.00	TO	40+00.00	50.00	14.78	12.33	7.32	10.28	15.43	11.45	7.57	10.07	40.86	30.65	41.76	-11.11
LOCAL	40+00.00	TO	40+44.66	44.66	15.43	11.45	7.57	10.07	15.89	13.40	2.05	13.58	40.11	30.08	33.86	-3.78
LOCAL	40+44.66	TO	40+75.00	30.34	15.89	13.40	2.05	13.58	16.96	13.73	2.72	16.83	32.33	24.25	21.14	3.11
LOCAL	40+75.00	TO	41+00.00	25.00	16.96	13.73	2.72	16.83	2.24	20.33	2.45	16.18	31.05	23.29	11.28	12.01
LOCAL	41+00.00	TO	41+50.00	50.00	2.24	20.33	2.45	16.18	0.00	0.00	1.92	14.79	47.50	35.63	6.12	29.50
LOCAL	41+50.00	TO	41+63.94	13.94	0.00	0.00	1.92	14.79	0.00	0.00	1.78	14.38	7.53	5.65	0.96	4.69
LOCAL	41+63.94	TO	42+00.00	36.06	0.00	0.00	1.78	14.38	0.05	0.00	1.72	13.09	18.34	13.76	2.37	11.39
LOCAL	42+00.00	TO	42+50.00	50.00	0.05	0.00	1.72	13.09	0.45	8.77	1.90	11.18	30.59	22.94	3.81	19.13
LOCAL	42+50.00	TO	42+94.93	44.93	0.45	8.77	1.90	11.18	1.30	8.32	2.18	9.50	31.43	23.57	4.85	18.72
LOCAL	42+94.93	TO	43+50.00	55.07	1.30	8.32	2.18	9.50	0.66	6.50	1.41	7.76	32.72	24.54	5.66	18.88
LOCAL	43+50.00	TO	43+76.72	26.72	0.66	6.50	1.41	7.76	0.58	5.74	0.82	6.91	13.32	9.99	1.72	8.27
LOCAL	43+76.72	TO	44+00.00	23.28	0.58	5.74	0.82	6.91	3.36	5.20	0.00	6.49	10.49	7.87	2.05	5.82
LOCAL	44+00.00	TO	44+53.00	53.00	3.36	5.20	0.00	6.49	0.00	4.05	0.00	4.27	19.64	14.73	3.30	11.43
LOCAL TOTALS =													2,343.76	1,757.82	8,923.04	-7,165.22
LOCAL ROUNDED =													2,345.0	20400800 FURNISHED EXC. =		7,170.00
STATE TOTALS =													244.6	183.5	6,581.6	-6,398.1
STATE ROUNDED =													245.0	20400800 FURNISHED EXC. =		6,400.00
TOTAL =													2,588.4	1,941.3	15,504.6	-13,563.3
USE =													2,590.0	20400800 FURNISHED EXC. =		13,570.0

MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
 DATE: 10/19/2018

USER NAME = PiersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 2 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	22
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

EROSION BARRIER SCHEDULE				
SIDE	STA	TO	STA	ITEP
				28000400
				PERIMETER EROSION BARRIER
				FOOT
LT	35+95.39	TO	37+52.29	157.00
TOTALS =				157.0

TEMPORARY DITCH CHECKS SCHEDULE				
SIDE	STA	FOOT	ITEP	STATE
			28000305	
TEMPORARY DITCH CHECK				
FOOT				
LT	15+75.	7.0		
LT	16+50.	7.0		
RT	16+50.	8.0		
LT	17+50.	8.0		
RT	17+50.	8.0		
LT	18+25.	8.0		
RT	18+50.	8.0		
RT	19+25.	8.0		
LT	20+25.	5.0		
RT	20+25.	7.0		
LT	21+25.	5.0		
RT	21+25.	6.0		
RT	21+75.	6.0		
LT	22+25.	5.0		
RT	22+25.	6.0		
LT	23+25.		5.0	
RT	23+25.		5.0	
LT	23+75.		5.0	
RT	23+75.		5.0	
LT	24+30.		5.0	
RT	27+50.		7.0	
LT	28+25.		5.0	
RT	28+25.		8.0	
LT	29+25.	5.0		
RT	29+25.	8.0		
LT	30+25.	5.0		
RT	30+25.	9.0		
LT	31+25.	6.0		
RT	31+25.	9.0		
LT	32+25.	5.0		
RT	32+25.	6.0		
LT	33+00.	5.0		
RT	33+00.	7.0		
LT	34+00.	5.0		
RT	34+00.	6.0		
LT	34+75.	5.0		
RT	34+75.	6.0		
LT	38+50.	8.0		
LT	39+50.	8.0		
LT	40+50.	8.0		
SUB-TOTALS =			213	45
TOTAL =			258.0	

MAINLINE EASTBOUND WIDENING AND SUBBASE SCHEDULE												
STA	TO	STA	LENGTH FOOT	BEGIN EB PCC WIDTH FOOT	END EB PCC WIDTH FOOT	AVG. EB PCC WIDTH FOOT	EB LANE AREA SQ YD	ITEP	STATE	ITEP	STATE	ITEP
								31100200		35300300		42000300
								SUBBASE GRANULAR TYPE B 4 INCH SQ YD	PCC BASE CSE 8 INCH SQ YD	PCC PAVEMENT 8 INCH SQ YD		
14+00.00	TO	15+10.93	110.93	0.00	0.00	0.0	0.0	0		0.0		
15+10.93	TO	15+26.44	15.51	4.78	4.56	4.7	8.1	14		9.0		
15+26.44	TO	15+39.91	13.47	0.00	0.00	0.0	0.0	5		0.0		
15+39.91	TO	18+67.50	327.59	1.00	1.00	1.0	36.4	149		37.0		
18+67.50	TO	20+32.33	164.83	0.00	0.00	0.0	0.0	57		0.0		
20+32.33	TO	20+34.00	1.67	0.00	5.17	2.6	0.5	2		1.0		
20+34.00	TO	20+81.93	47.93	5.17	3.80	4.5	24.0	41		24.0		
20+81.93	TO	22+97.75	215.82	5.62	4.33	5.0	119.9	194		120.0		
22+97.75	TO	24+37.93	140.18	4.33	4.50	4.4	68.5		117		69.0	
24+37.93	TO	24+43.25	5.32	2.51	2.63	2.6	1.5		4		2.0	
SN 010-0294 OMISSION												
27+87.13	TO	28+54.63	67.50	4.54	4.74	4.6	34.5		58		35.0	
28+54.63	TO	30+35.07	180.44	4.74	4.29	4.5	90.2	153		91.0		
30+35.07	TO	34+01.02	365.95	4.29	4.63	4.5	183.0	309		183.0		
34+01.02	TO	36+21.02	220.00	4.63	9.93	7.3	178.4	254		179.0		
36+21.02	TO	37+51.79	130.77	9.93	10.57	10.3	149.7	195		150.0		
37+51.79	TO	38+20.19	68.40	10.57	9.90	10.2	77.5	101		78.0		
38+20.19	TO	40+74.77	254.58	9.90	8.98	9.4	265.9	354		266.0		
40+74.77	TO	42+96.53	221.76	8.98	3.30	6.1	150.3	227				151.0
42+96.53	TO	43+89.86	93.33	3.30	1.00	2.2	22.8	55				23.0
43+89.86	TO	44+30.24	40.38	1.00	1.00	1.0	4.5	19				5.0
EASTBOUND SUB-TOTALS =								2,129.0	179.0	1,138.0	106.0	179.0

MAINLINE WESTBOUND WIDENING AND SUBBASE SCHEDULE												
STA	TO	STA	LENGTH FOOT	BEGIN WB PCC WIDTH FOOT	END WB PCC WIDTH FOOT	AVG. WB PCC WIDTH FOOT	WB LANE AREA SQ YD	ITEP	STATE	ITEP	STATE	ITEP
								31101200		35300300		42000300
								SUBBASE GRANULAR TYPE B 4 INCH SQ YD	PCC BASE CSE 8 INCH SQ YD	PCC PAVEMENT 8 INCH SQ YD		
14+00.00	TO	15+28.79	128.79	0.00	0.00	0.0	0.0	0		0.0		
15+28.79	TO	16+91.74	162.95	17.10	16.82	17.0	307.8	364		308.0		
16+91.74	TO	18+89.77	198.03	16.82	5.85	11.3	248.6	317		249.0		
18+89.77	TO	22+97.75	407.98	5.85	4.36	5.1	231.2	371		232.0		
22+97.75	TO	24+38.29	140.54	4.36	4.38	4.4	68.7		117		69.0	
24+38.29	TO	24+43.25	4.96	2.51	2.59	2.6	1.4		4		2.0	
SN 010-0294 OMISSION												
27+87.13	TO	28+54.63	67.50	4.47	4.27	4.4	33.0		57		33.0	
28+54.63	TO	33+54.87	500.24	4.27	4.53	4.4	244.6	416		245.0		
33+54.87	TO	34+01.02	46.15	4.53	4.40	4.5	23.1	39		24.0		
34+01.02	TO	35+87.41	186.39	4.40	8.53	6.5	134.6	199		135.0		
35+87.41	TO	36+21.02	33.61	8.53	9.98	9.3	34.7	47		35.0		
36+21.02	TO	36+32.39	11.37	9.98	10.18	10.1	12.8	17		13.0		
36+32.39	TO	37+51.09	118.70	10.18	9.92	10.1	133.2	174		134.0		
37+51.09	TO	38+21.71	70.62	9.92	10.53	10.2	80.0	105		80.0		
38+21.71	TO	39+82.77	161.06	10.53	10.16	10.3	184.3	240		185.0		
39+82.77	TO	40+74.77	92.00	10.16	8.87	9.5	97.1	129				98.0
40+74.77	TO	42+16.64	141.87	8.87	9.12	9.0	141.9	191				142.0
42+16.64	TO	42+89.38	72.74	3.75	3.73	3.7	29.9	55				30.0
42+89.38	TO	43+02.46	13.08	3.73	3.08	3.4	4.9	10				5.0
43+02.46	TO	43+87.92	85.46	3.08	1.00	2.0	19.0	49				19.0
43+87.92	TO	44+28.48	40.56	1.00	1.00	1.0	4.5	19				5.0
WESTBOUND SUB-TOTALS =								2,742.0	178.0	1,640.0	104.0	299.0
PROJECT SUB-TOTALS =								4,871.0	357.0	2,778.0	210.0	478.0
PROJECT TOTALS =								5,228.0		2,988.0		478.0

*31100200 AND 42000300 QUANTITY CONTINUES ON FOLLOWING SHEET

MODEL: \\MODELNAME; FILE: \\NAME; PROJECT: \\PROJECT; OFFICE: \\OFFICE; DATE: 10/19/2018

USER NAME = Piersontj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 4 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	24
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

SIDEROAD PAVEMENT SCHEDULE			
LOCATION	ITEP	ITEP	ITEP
	31101200	42000300	44000100
	SUB GRAN MAT B 4	PCC PAVEMENT 8 INCH	PAVEMENT REMOVAL
	SQ YD	SQ YD	SQ YD
BLUEGRASS LANE AND RT LANE	296	296	653
CRESTWOOD DRIVE	194	194	229
ALPINE DRIVE	129	129	229
TOTALS =	619	619	1111

* 31101200 AND 42000300 QUANTITY CONTINUES ON PREVIOUS SHEET
 * 44000100 CONTINUES ON FOLLOWING SHEET

PAVMENT CONNECTOR SCHEDULE			
STA	TO	STA	STATE
			42000070
			PVT CON PCC BR APP SL
			SQ YD
24+43.25	TO	24+60.19	64
27+70.19	TO	27+87.13	64
TOTALS =			128

FIELD ENTRANCE SCHEDULE		
STA	ITEP	ITEP
	40200200	42300200
	AGG SURF CSE A	PCC DRIVEWAY PAVEMENT 6"
	CU YD	SQ YD
18+95.83	1.00	7
36+10.10	2.00	7
TOTALS =	3.00	14

EASTBOUND MAINLINE SIDEWALK SCHEDULE							
STA	TO	STA	LENGTH FOOT	EB SIDEWALK WIDTH FOOT	TOTAL SIDEWALK AREA SQ FT	ITEP	STATE
						42400200	
						PCC SIDEWALK 5 INCH	
						SQ FT	
15+04.33	TO	15+40.19	76.16	6	457	457	
15+40.19	TO	23+85.00	844.81	6	5069	5069	
23+85.00	TO	28+54.63	469.63	6	2818	470	2,348.0
28+54.63	TO	36+20.44	765.81	6	4595	4595	
36+20.44	TO	36+74.18	N/A	VAR	406	406	
37+23.35	TO	37+44.60	N/A	VAR	146	146	
44+15.48	TO	44+43.15	27.67	5	138.5	138.5	
EASTBOUND SUB-TOTALS =						11,281.5	2,348.0

MAINLINE PAVING SCHEDULE													
STA	TO	STA	LENGTH FOOT	BEGIN LANE WIDTH FOOT	END LANE WIDTH FOOT	AVG LANE WIDTH FOOT	LANE AREA SQ YD	ITEP	STATE	ITEP	STATE		
								40600290		40603080		40603335	
								BIT MATL (TACK COAT)	HMA BINDER CSE IL-9.5 N50 2.25 INCH	HMA SURF CSE MIX D, N50 1.5 INCH	POUND	TON	TON
14+00.00	TO	14+37.51	37.51	40.2	41.9	41.1	171.3	77.0		22.0			
14+37.51	TO	15+10.79	73.28	37.4	37.2	37.3	303.7	137.0		39.0			
15+10.79	TO	15+28.79	18.00	42.0	42.0	42	84	38.0		11.0			
15+28.79	TO	16+91.74	162.95	54.5	54.5	54.5	986.8	444.0		125.0			
16+91.74	TO	18+89.77	198.03	54.5	38.7	46.6	1025.4	461.0		130.0			
18+89.77	TO	20+89.77	200.00	38.7	32.3	35.5	788.9	355.0		100.0			
20+89.77	TO	21+43.42	53.65	32.3	31.0	31.7	189	85.0		24.0			
21+43.42	TO	22+97.75	154.33	31.0	31.0	31	531.6	239.0		67.0			
22+97.75	TO	24+43.25	145.50	31.0	31.0	31	501.2		226.0		64.0		
SN 010-0294 OMISSION													
27+87.13	TO	28+54.63	67.50	31.0	31.0	31	232.5		105.0		30.0		
28+54.63	TO	34+01.02	546.39	31.0	31.0	31	1882	847.0		238.0			
34+01.02	TO	36+21.02	220.00	31.0	42.0	36.5	892.2	401.0		113.0			
36+21.02	TO	40+74.77	453.75	42.0	42.0	42	2117.5	953.0		267.0			
SUB-TOTALS =								4037.0	331.0	1136.0	94.0	754.0	62.0
TOTALS =								4368.0	1230.0	816.0			

WESTBOUND MAINLINE SIDEWALK SCHEDULE							
STA	TO	STA	LENGTH FOOT	WB SIDEWALK WIDTH FOOT	TOTAL SIDEWALK AREA SQ FT	ITEP	STATE
						42400200	
						PCC SIDEWALK 5 INCH	
						SQ FT	
14+39.35	TO	14+58.72	N/A	VAR	157.5	157.5	
14+58.72	TO	15+28.79	N/A	VAR	303.5	303.5	
15+28.79	TO	23+85.00	856.21	6	5137.5	5137.5	
23+85.00	TO	28+54.63	469.63	6	2818	470	2,348.0
28+54.63	TO	37+52.38	897.75	6	5386.5	5386.5	
37+52.38	TO	37+58.38	6.00	17.6	105.5	105.5	
41+26.77	TO	41+47.88	N/A	VAR	115	115	
41+47.88	TO	41+96.11	N/A	VAR	119	119	
WESTBOUND SUB-TOTALS =						11,794.5	2,348.0
PROJECT SUB-TOTALS =						23,076.0	4,696.0
PROJECT TOTALS =						27,772.0	

DETECTABLE WARNING SCHEDULE		
STA	OFFSET	ITEP
		42400800
		DETECTABLE WARNING SQ FT
14+58.69	60.18	10
14+96.33	60.57	10
36+70.97	35.07	10
37+25.80	34.59	10
41+47.60	42.52	8
41+79.29	42.14	8
SUB-TOTALS =		56
TOTALS =		56

MODEL: \\MODELNAME
FILE NAME: \\FILENAME
PROJECT: \\PROJECT
DRAWN: \\DRAWN
CHECKED: \\CHECKED
DATE: \\DATE

USER NAME = PiersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 5 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	25
CONTRACT NO. 70A61				
ILLINOIS		FED. AID PROJECT		

SCHEDULE OF QUANTITIES

EASTBOUND PAVEMENT REMOVAL SCHEDULE								
STA	TO	STA	LENGTH FOOT	EB BEGIN REMOVAL WIDTH FOOT	EB END REMOVAL WIDTH FOOT	EB AVG LANE WIDTH FOOT	LANE AREA SQ YD	ITEP
								44000100
								PAVEMENT REMOVAL SQ YD
15+53.91	TO	16+22.33	68.42	0.32	0.74	0.5	4	4
16+22.33	TO	16+91.71	69.38	0.74	0.34	0.5	4	4
16+91.71	TO	18+66.82	175.11	0.34	1	0.7	14	14
43+89.86	TO	44+05.96	16.10	0	0.4	0.2	1	1
44+05.96	TO	44+30.24	24.28	0.4	1	0.7	2	2
EASTBOUND SUB-TOTALS =								21

WESTBOUND PAVEMENT REMOVAL SCHEDULE								
STA	TO	STA	LENGTH FOOT	EB BEGIN REMOVAL WIDTH FOOT	EB END REMOVAL WIDTH FOOT	EB AVG LANE WIDTH FOOT	LANE AREA SQ YD	ITEP
								44000100
								PAVEMENT REMOVAL SQ YD
43+87.92	TO	44+06.32	18.40	0	0.46	0.2	1	1
44+06.32	TO	44+28.48	22.16	0.46	1	0.7	2	2
WESTBOUND SUB-TOTALS =								2
PROJECT TOTALS =								23

* 44000100 CONTINUED ON PREVIOUS SHEET

WESTBOUND HMA SURFACE REMOVAL SCHEDULE									
STA	TO	STA	LENGTH FOOT	WB BEGIN LANE WIDTH FOOT	WB END LANE WIDTH FOOT	WB AVG LANE WIDTH FOOT	LANE AREA SQ YD	ITEP	STATE
								44000156	44000156
								HMA SURFACE REMOVAL 3.75"	
								SQ YD	SQ YD
14+00.00	TO	14+21.59	21.59	10.75	11.24	11.0	27	27	
14+21.59	TO	18+32.42	410.83	11.24	10.76	11.0	503	503	
18+32.42	TO	22+97.75	465.33	10.76	11.14	11.0	569	569	
22+97.75	TO	23+25.63	27.88	11.14	11.14	11.1	35		35
SN 010-0294 OMISSION									
28+30.78	TO	28+54.63	23.85	11.16	11.23	11.2	30		30
28+54.63	TO	29+44.71	90.08	11.23	11.03	11.1	112	112	
29+44.71	TO	30+33.65	88.94	11.03	11.16	11.1	110	110	
30+33.65	TO	31+21.37	87.72	11.16	11.11	11.1	109	109	
31+21.37	TO	32+08.80	87.43	11.11	10.95	11.0	107	107	
32+08.80	TO	32+93.09	84.29	10.95	10.94	10.9	103	103	
32+93.09	TO	33+03.31	10.22	10.94	11.16	11.1	13	13	
33+03.31	TO	33+54.86	51.55	11.16	10.97	11.1	64	64	
33+54.86	TO	35+87.41	232.55	10.97	11.63	11.3	292	292	
35+87.41	TO	36+32.38	44.97	11.63	10.82	11.2	56	56	
36+32.38	TO	37+51.09	118.71	10.82	11.09	11.0	146	146	
37+51.09	TO	38+21.71	70.62	11.09	10.47	10.8	85	85	
38+21.71	TO	39+82.77	161.06	10.47	10.84	10.7	192	192	
39+82.77	TO	40+74.77	92.00	10.84	12.13	11.5	118	118	
WESTBOUND SUB-TOTALS =								2606	65
PROJECT SUB-TOTALS =								6114	129
PROJECT TOTALS =								6243	

C&G REMOVAL SCHEDULE					
STA	SIDE	TO	STA	SIDE	ITEP
					44000500
					COMB C&G REMOVAL FOOT
14+21.74	LT	TO	14+59.34	LT	79
14+95.06	LT	TO	17+62.27	LT	297
15+10.93	RT	TO	15+26.35	RT	17
36+55.87	RT	TO	36+80.68	RT	58
37+19.13	RT	TO	37+44.94	RT	60
40+53.70	RT	TO	44+53.15	RT	400.00
41+10.74	LT	TO	41+50.40	LT	67
41+75.93	LT	TO	42+16.73	LT	67
43+96.25	LT	TO	44+53.15	LT	58
TOTALS =					1103

EASTBOUND HMA SURFACE REMOVAL SCHEDULE									
STA	TO	STA	LENGTH FOOT	EB BEGIN LANE WIDTH FOOT	EB END LANE WIDTH FOOT	EB AVG LANE WIDTH FOOT	LANE AREA SQ YD	ITEP	STATE
								44000156	44000156
								HMA SURFACE REMOVAL 3.75"	
								SQ YD	SQ YD
14+00.00	TO	14+37.55	37.55	24.73	26.43	25.6	107	107	
14+37.55	TO	15+26.15	88.60	21.95	21.93	21.9	216	216	
15+26.15	TO	15+30.27	4.12	28.39	28.4	28.4	14	14	
15+30.27	TO	15+43.72	13.45	28.4	25.75	27.1	41	41	
15+43.72	TO	16+91.74	148.02	25.75	25.84	25.8	425	425	
16+91.74	TO	18+66.82	175.08	25.84	22.15	24.0	467	467	
18+66.82	TO	18+86.22	19.40	22.15	24.11	23.1	50	50	
18+86.22	TO	19+34.56	48.34	24.11	23.63	23.9	129	129	
19+34.56	TO	19+52.59	18.03	23.63	21.72	22.7	46	46	
19+52.59	TO	20+32.30	79.71	21.72	18.12	19.9	177	177	
20+32.30	TO	20+34.00	1.70	18.12	13	15.6	3	3	
20+34.00	TO	20+81.93	47.93	10.15	11.01	10.6	57	57	
20+81.93	TO	22+97.76	215.83	11.01	11.17	11.1	267	267	
22+97.76	TO	23+25.63	27.87	11.17	11.13	11.2	35		35
SN 010-0294 OMISSION									
28+30.78	TO	28+54.63	23.85	10.83	10.76	10.8	29		29
28+54.63	TO	30+35.03	180.40	10.76	11.21	11.0	221	221	
30+35.03	TO	31+22.56	87.53	11.21	10.79	11.0	107	107	
31+22.56	TO	32+08.86	86.30	10.79	11.23	11.0	106	106	
32+08.86	TO	33+54.21	145.35	11.23	10.76	11.0	178	178	
33+54.21	TO	35+86.95	232.74	10.76	11.3	11.0	285	285	
35+86.95	TO	37+51.79	164.84	11.3	10.43	10.9	200	200	
37+51.79	TO	38+20.19	68.40	10.43	11.1	10.8	83	83	
38+20.19	TO	40+74.77	254.58	11.1	12.02	11.6	329	329	
EASTBOUND SUB-TOTALS =								3508	64

SIDEWALK REMOVAL SCHEDULE								
STA	SIDE	TO	STA	SIDE	LENGTH FOOT	WIDTH FOOT	AREA SQ YD	ITEP
								44000600
								SIDEWALK REMOVAL SQ FT
14+39.35	LT	TO	14+45.66	LT	N/A	VAR	154	154
14+96.10	LT	TO	15+06.58	LT	N/A	VAR	49	49
36+42.90	RT	TO	36+78.42	RT	N/A	VAR	241	241
37+19.77	RT	TO	37+44.53	RT	N/A	VAR	193	193
41+26.70	LT	TO	41+48.29	LT	N/A	VAR	112	112
41+77.93	LT	TO	41+96.13	LT	N/A	VAR	113	113
44+15.61	RT	TO	44+53.18	RT	37.57	5.0	188	188
TOTALS =								1050

MODEL: \\MODELNAME
FILE: \\NAME.PLOT DATE: 10/19/2018

USER NAME = PiersontJ	DESIGNED -	REVISED -
PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/19/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET 6	OF 15 SHEETS	STA. TO STA.

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 26
			CONTRACT NO. 70A61	
		ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

EASTBOUND PAVED SHOULDER REMOVAL SCHEDULE									
STA	TO	STA	LENGTH FOOT	EB BEGIN SHOULDER WIDTH FOOT	EB END SHOULDER WIDTH FOOT	EB AVG LANE WIDTH FOOT	LANE AREA SQ YD	ITEM STATE	
								44004250	
								PAVED SHOULDER REMOVAL SQ YD	
20+34.00	TO	20+81.93	47.93	2.85	2.19	2.5	14	14	
20+81.93	TO	21+45.63	63.70	2.19	2.58	2.4	17	17	
21+45.63	TO	22+97.76	152.13	2.58	2.32	2.5	43	43	
22+97.76	TO	24+38.04	140.28	2.32	1.99	2.2	35		35
SN 010-0294 OMISSION									
27+87.13	TO	28+54.63	67.50	1.88	2.26	2.1	16		16
28+54.63	TO	31+22.49	267.86	2.26	2.17	2.2	66	66	
31+22.49	TO	32+08.98	86.49	2.17	1.62	1.9	19	19	
32+08.98	TO	32+92.49	83.51	1.62	2.18	1.9	18	18	
32+92.49	TO	33+19.78	27.29	2.18	1.96	2.1	7	7	
35+86.95	TO	35+92.55	5.60	0.00	3.96	2.0	2	2	
35+92.55	TO	36+26.34	33.79	3.96	4.02	4.0	16	16	
36+26.34	TO	36+31.86	5.52	4.02	0.00	2.0	2	2	
40+06.87	TO	40+32.14	25.27	1.84	4.79	3.3	10	10	
40+32.14	TO	40+53.07	20.93	4.79	5.26	5.0	12	12	
EASTBOUND SUB-TOTALS =								212	51

WESTBOUND PAVED SHOULDER REMOVAL SCHEDULE									
STA	TO	STA	LENGTH FOOT	WB BEGIN SHOULDER WIDTH FOOT	WB END SHOULDER WIDTH FOOT	WB AVG LANE WIDTH FOOT	LANE AREA SQ YD	ITEM STATE	
								44004250	
								PAVED SHOULDER REMOVAL SQ YD	
14+00.00	TO	14+21.64	21.64	3.37	2.89	3.1	8	8	
18+32.41	TO	18+54.53	22.12	1.64	3.16	2.4	6	6	
18+54.53	TO	18+78.47	23.94	3.16	3.84	3.5	10	10	
18+78.47	TO	19+12.77	34.30	3.84	3.97	3.9	15	15	
19+12.77	TO	19+17.46	4.69	3.97	0	2.0	2	2	
19+17.46	TO	19+24.00	6.54	0	1.99	1.0	1	1	
19+24.00	TO	20+08.47	84.47	1.99	1.95	2.0	19	19	
20+08.47	TO	21+45.03	136.56	1.95	2.37	2.2	34	34	
21+45.03	TO	22+97.08	152.05	2.37	2.09	2.2	38	38	
SN 010-0294 OMISSION									
27+87.13	TO	28+54.63	67.50	2.12	1.95	2.0	15		15
28+54.63	TO	29+44.93	90.30	1.95	2.79	2.4	25	25	
29+44.93	TO	30+33.96	89.03	2.79	2.78	2.8	28	28	
30+33.96	TO	31+21.61	87.65	2.78	2.29	2.5	25	25	
31+21.61	TO	32+09.05	87.44	2.29	2.85	2.6	26	26	
32+09.05	TO	32+92.85	83.80	2.85	2.11	2.5	24	24	
35+87.41	TO	35+93.39	5.98	0	3.12	1.6	2	2	
35+93.39	TO	36+25.85	32.46	3.12	4.08	3.6	13	13	
36+25.85	TO	36+32.39	6.54	4.08	0	2.0	2	2	
40+06.44	TO	40+74.41	67.97	3.29	8.15	5.7	44	44	
40+74.41	TO	41+10.74	36.33	8.15	7.62	7.9	32	32	
42+16.53	TO	43+01.97	85.44	5.08	5.54	5.3	51	51	
43+01.97	TO	43+87.77	85.80	5.54	5.67	5.6	54	54	
43+87.77	TO	43+96.22	8.45	5.67	3.81	4.7	5	5	
WESTBOUND SUB-TOTALS =								464	15
PROJECT SUB-TOTALS =								676	66
PROJECT TOTALS =								742	

CLASS D PATCHING SCHEDULE									
SIDE	STA	TO	STA	LENGTH FOOT	EB LENGTH	WB LENGTH	WIDTH FOOT	ITEM	
								44201747	
								EB	WB
								CL D PATCH TY IV, 7" SQ YD	
RT/LT	15+50.00	TO	15+50.00	36.83	25.79	11.04	4	103	44
RT/LT	16+25.00	TO	16+25.00	36.71	25.50	11.21	4	102	45
RT/LT	16+75.00	TO	16+75.00	36.70	25.50	11.20	4	102	45
RT/LT	17+75.00	TO	17+75.00	34.50	23.47	11.03	4	94	44
RT/LT	18+50.00	TO	18+50.00	32.64	21.64	11.00	4	87	44
SUB-TOTALS =								488.00	222.00
TOTAL =								710.00	

STORM SEWER REMOVAL SCHEDULE										
SIDE	STA	TO	STA	LENGTH FOOT	START OFFSET FOOT	END OFFSET FOOT	ITEM			
							50105220 PIPE CULVERT REMOVAL FOOT	55100500 STORM SEWER REMOVAL 12" FOOT	55100900 STORM SEWER REMOVAL 18" FOOT	55101200 STORM SEWER REMOVAL 24" FOOT
LT	14+20.83	TO	14+49.22	29.0	26.80	26.24				29.00
LT	14+49.22	TO	16+86.94	238.0	26.24	29.07				238.00
LT	16+86.94	TO	17+57.25	71.0	29.07	28.97				71.00
LT	16+86.94	TO	16+87.8	9.0	29.07	21.02		9.00		
LT	18+78.61	TO	19+11.23	33.0	34.95	37.25	33.00			
LT	35+94.73	TO	36+25.88	32.0	28.00	28.04	32.00			
LT	40+89.35	TO	41+43.5	55.0	27.94	28.79			55.00	
LT	41+43.5	TO	41+84.52	42.0	28.79	28.82			42.00	
LT	41+84.52	TO	42+29.91	46.0	28.82	31.10			46.00	
RT	15+10.63	TO	15+22.66	13.0	36.90	37.54				13.00
RT	36+30.07	TO	37+48.95	119.0	29.61	28.91				119.00
RT	39+22	TO	39+28	6.0	28.62	28.62				6.0
RT	40+46.13	TO	40+56.27	16.0	25.68	13.80			16.00	
RT	42+94.27	TO	42+96.37	12.0	18.95	29.89			12.00	
TOTALS =							65.00	37.00	143.00	476.00

DRAINAGE STRUCTURE REMOVAL SCHEDULE						
SIDE	STA	OFFSET	ITEM STATE		ITEM	
			60500040		60500060	X0322936
			REMOVING MANHOLE EACH	REMOVING INLET EACH	REMOVING EXISTING FLAR END EACH	
LT	14+20.83	26.77				1.00
LT	14+49.22	26.24			1.00	
RT	15+22.66	37.54				1.00
LT	16+86.94	29.07	1.00			
LT	16+87.8	21.02			1.00	
LT	17+57.25	28.97				1.00
LT	24+00.57	64.92		1.00		
RT	37+51.45	29.05	1.00			
RT	40+56.27	13.80			1.00	
LT	40+89.35	27.94				1.00
LT	41+43.39	28.18			1.00	
LT	41+84.52	28.82			1.00	
LT	42+29.91	31.10			1.00	
RT	42+94.27	18.95			1.00	
RT	43+76.72	29.68	1.00			
SUB-TOTALS =			3.00	1.00	7.00	4.00
TOTALS =			4.00		7.00	4.00

MODEL: \\MODELNAME
FILE: \\NAME.PLOT
PROJECT: \\PROJECTNAME
OFFICE: \\OFFICE
DATE: 10/19/2018

USER NAME = PiersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 7 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	27
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

STORM SEWER SCHEDULE

SIDE	STA	TO	STA	LENGTH FOOT	START OFFSET FOOT	INVERT ELEVATION FOOT	END OFFSET FOOT	OUTLET ELEVATION FOOT	SLOPE %	PIPE DIAMETER INCH	ITEP	ITEP	ITEP	LOCAL	ITEP	ITEP	STATE	ITEP	ITEP	ITEP	STATE	ITEP	
											550A0050	550A0090	550A0110		550A0120	550A0140	550A0200	60100945	X0322917				
											SS CL A TY. 1 12"	SS CL A TY. 1 18"	SS CL A TY. 1 21"		SS CL A TY. 1 24"	SS CL A TY. 1 30"	SS CL A TY. 1 EQRS 27"	PIPE DRAINS 12"	PRO SS CONN TO EX MAN				
LT	14+25.00	TO	14+51.56	26.56	26.91	741.52	26.68	741.12	-1.51	24.00								27.00					
LT	14+55.56	TO	15+47.00	92.66	26.68	739.45	41.64	739.35	-0.11	24.00								93.00					
RT	15+20.25	TO	15+50.00	29.76	37.17	742.38	38.04	742.29	-0.30	24.00								30.00					
LT	15+50.00	TO	15+50.00	7.38	31.26	739.36	38.64	739.35	-0.14	24.00								8.00					
RT/LT	15+50.00	TO	15+50.00	53.02	25.76	739.42	27.26	739.36	-0.11	24.00								54.00					
RT	15+50.00	TO	15+50.00	6.28	36.04	740.97	29.76	740.96	-0.16	24.00								7.00					
LT	15+53.00	TO	16+22.00	69.00	41.64	739.30	41.82	739.22	-0.12	30.00										69.00			
LT	16+25.00	TO	16+25.00	8.06	30.76	739.23	38.82	739.22	-0.12	18.00		9.00											
RT/LT	16+25.00	TO	16+25.00	54.02	26.26	739.29	27.76	739.23	-0.11	18.00		55.00											
LT	16+28.00	TO	16+72.00	44.00	41.82	739.17	41.95	739.12	-0.11	30.00										44.00			
LT	16+75.00	TO	16+75.00	8.09	30.86	739.13	38.95	739.12	-0.12	18.00		9.00											
RT/LT	16+75.00	TO	16+75.00	54.12	26.26	739.19	27.86	739.13	-0.11	18.00		55.00											
LT	16+78.00	TO	17+72.00	94.00	41.95	739.07	42.19	738.97	-0.11	30.00										94.00			
LT	16+76.50	TO	16+98.50	22.01	29.36	739.13	28.81	739.16	-0.14	18.00		23.00											
RT	16+76.50	TO	16+98.50	22.00	27.76	739.19	27.56	739.22	-0.14	18.00		22.00											
LT	17+75.00	TO	17+75.00	13.06	26.13	738.99	39.19	738.97	-0.15	18.00													
RT/LT	17+75.00	TO	17+75.00	47.37	24.24	739.04	23.13	738.99	-0.11	18.00		48.00											
LT	17+78.00	TO	18+47.00	69.00	42.19	738.92	42.38	738.84	-0.12	30.00										69.00			
LT	18+50.00	TO	18+50.00	17.40	21.98	738.86	39.38	738.84	-0.11	18.00		18.00											
RT/LT	18+50.00	TO	18+50.00	41.39	22.41	738.91	18.98	738.86	-0.12	18.00		42.00											
LT	18+53.00	TO	19+14.79	61.87	42.38	738.79	45.55	738.72	-0.11	30.00										62.00			
LT	19+50.00	TO	19+50.00	26.57	18.81	744.93	45.38	739.20	-21.57	12.00												27.00	
RT	19+50.00	TO	19+50.00	25.36	22.47	744.88	47.83	742.30	-10.18	12.00												26.00	
LT	21+50.00	TO	21+50.00	37.85	17.76	750.18	55.61	739.04	-29.43	12.00												38.00	
RT	21+50.00	TO	21+50.00	38.29	17.76	750.18	56.05	740.44	-25.44	12.00												39.00	
LT	23+50.00	TO	23+50.00	52.74	17.76	756.98	70.50	738.43	-35.17	12.00													53.00
RT	23+50.00	TO	23+50.00	51.90	17.76	756.98	69.66	738.54	-35.53	12.00													52.00
LT	27+29.93	TO	27+42.22	12.45	78.85	737.12	80.82	737.00	-0.96	24.00							13.00						
LT	28+50.00	TO	28+50.00	51.10	17.76	757.04	68.86	739.00	-35.30	12.00													52.00
RT	28+50.00	TO	28+50.00	50.32	17.76	757.04	68.08	739.40	-35.06	12.00													51.00
LT	31+00.00	TO	31+00.00	30.50	17.76	747.93	48.26	740.19	-25.38	12.00													31.00
RT	31+00.00	TO	31+00.00	30.36	17.76	747.93	48.12	740.25	-25.30	12.00													31.00
LT	33+25.00	TO	33+25.00	18.43	17.76	742.68	36.19	740.97	-9.28	12.00													19.00
RT	33+25.00	TO	33+25.00	22.53	17.76	742.77	40.29	741.05	-7.63	12.00													23.00
LT	33+50.00	TO	33+50.00	17.67	17.76	742.38	35.43	741.06	-7.47	12.00													18.00
RT	33+50.00	TO	33+50.00	21.38	17.76	742.38	39.14	741.13	-5.85	12.00													22.00
LT	33+75.00	TO	33+75.00	17.53	17.76	742.39	35.29	741.14	-7.13	12.00													18.00
RT	33+75.00	TO	33+75.00	20.84	17.76	742.39	38.60	741.22	-5.61	12.00													21.00
LT	34+25.00	TO	34+25.00	17.54	18.36	742.49	35.90	741.23	-7.18	12.00													18.00
RT	34+25.00	TO	34+25.00	19.89	18.36	742.49	38.25	741.39	-5.53	12.00													20.00
LT	35+00.00	TO	35+00.00	17.53	20.24	742.62	37.77	741.37	-7.13	12.00													18.00
RT	35+00.00	TO	35+00.00	17.24	20.24	742.62	37.48	741.65	-5.63	12.00													18.00
LT	35+61.57	TO	35+75.00	21.42	38.80	741.48	22.11	742.75	-5.93	12.00													22.00
LT	35+75.00	TO	36+38.00	63.31	40.05	741.00	33.79	741.06	0.09	21.00			64.00	12.80	51.20								
RT	35+75.00	TO	35+75.00	14.02	22.11	742.75	36.13	741.91	-5.99	12.00													15.00
RT	35+90.39	TO	36+28.55	38.21	36.95	741.53	34.95	741.45	-0.21	27.00												39.00	
RT	36+33.55	TO	37+48.95	115.55	34.95	742.00	29.05	741.58	-0.36	27.00												116.00	
RT	36+31.05	TO	36+39.29	14.28	34.95	741.58	23.29	743.12	-10.79	12.00	15.00												
LT	36+40.00	TO	36+40.00	8.43	23.36	743.12	31.79	741.85	-15.07	12.00	9.00												
LT	36+42.00	TO	37+73.00	131.01	33.79	741.11	32.30	741.23	0.09	21.00			132.00	26.40	105.60								
RT	37+51.45	TO	37+51.45	3.29	23.26	742.98	26.55	742.07	-27.66	12.00	4.00												
LT	37+75.00	TO	37+75.00	7.04	23.26	743.20	30.30	742.21	-14.06	12.00	8.00												
LT	37+77.00	TO	39+23.00	146.00	32.30	741.28	32.20	741.41	0.09	21.00			146.00	29.20	116.80								
LT	39+25.00	TO	39+25.00	6.94	23.26	744.47	30.20	743.33	-16.43	12.00	7.00												
RT	39+25.00	TO	39+25.00	4.87	23.26	744.47	28.13	743.57	-18.48	12.00	5.00												
LT	39+27.00	TO	40+73.00	146.00	32.20	741.46	31.35	741.59	0.09	21.00			146.00	29.20	116.80								
RT	40+44.66	TO	40+44.66	1.95	23.26	745.91	25.21	745.26	-33.33	12.00	2.00												1
LT	40+75.00	TO	40+75.00	6.09	23.26	744.65	29.35	743.75	-14.78	12.00	7.00												
LT	40+77.00	TO	41+42.19	65.25	31.35	741.64	28.66	741.71	0.11	18.0													

SCHEDULE OF QUANTITIES

FLARED END SECTION SCHEDULE									
STR #	SIDE	STA	OFFSET FOOT	OUTFLOW INVERT ELEVATION FOOT	STRUCTURE AND GRATE	ITEP	ITEP	ITEP	ITEP
						54213666	54213669	54213675	54214512
						PRC FLAR END SEC 21	PRC FLAR END SEC 24	PRC FLAR END SEC 30	PRC FLAR END S EQRS 27
						EACH	EACH	EACH	EACH
1	LT	14+25.00	26.91	741.52	24" FES		1.00		
8	LT	19+14.79	45.55	738.72	30" FES			1.00	
66	LT	35+75.00	40.05	741.00	21" FES	1.00			
78	RT	35+90.39	36.95	741.45	27 "FES				1.00
TOTALS =						1	1	1	1

PIPE TEE SCHEDULE							
STR #	SIDE	STA	OFFSET FOOT	INFLOW	OUTFLOW	STRUCTURE AND GRATE	ITEP
				INVERT ELEVATION FOOT	INVERT ELEVATION FOOT		54216200
				FOOT	FOOT		R C PIPE TEE 24P 12R
							EACH
84	RT	39+25.00	28.13	743.57	743.52	12" - 24" Tee	1.00
TOTALS =							1

CONCRETE COLLAR SCHEDULE			
SIDE	STA	ITEP	
		54248510	
		CONCRETE COLLAR	
		CU YD	
RT	15+20.25	0.50	
TOTALS =		0.50	

TRENCH BACKFILL SCHEDULE																		
SIDE	STA	TO	STA	LENGTH FOOT	START OFFSET FOOT	INVERT ELEVATION FOOT	END OFFSET FOOT	OUTLET ELEVATION FOOT	SLOPE %	PIPE DIAMETER INCH	PIPE THICKNESS IN	D (AVG DEPTH FROM SUB-GRADE TO INVERT) FT	WIDTH FACTOR (9 OR 18) INCH	TRENCH WIDTH IN	ALLOWABLE PAY LENGTH FT	TRENCH FACTOR CU YD/(IN-FT)	ITEP	
																	20800150	TRENCH BACKFILL CU YD
LT	14+25.00	TO	14+51.56	26.56	26.91	741.52	26.68	741.12	-1.51	24.00	3	4.10	9.00	48	0.98	0.368	1	
LT	14+55.56	TO	15+47.00	92.66	26.68	739.45	41.64	739.35	-0.11	24.00	3	6.00	18.00	66	70.93	0.927	66	
RT	15+20.25	TO	15+50.00	29.76	37.17	742.38	38.04	742.29	-0.30	24.00	3	3.20	9.00	48	10.16	0.235	3	
RT	15+50.00	TO	15+50.00	6.28	36.04	740.97	29.76	740.96	-0.16	24.00	3	4.40	9.00	48	6.18	0.412	3	
LT	15+50.00	TO	15+50.00	7.38	31.26	739.36	38.64	739.35	-0.14	24.00	3	6.00	18.00	66	6.38	0.927	6	
RT/LT	15+50.00	TO	15+50.00	53.02	25.76	739.42	27.26	739.36	-0.11	24.00	3	5.70	18.00	66	52.20	0.866	46	
LT	16+25.00	TO	16+25.00	8.06	30.76	739.23	38.82	739.22	-0.12	18.00	2.5	5.70	18.00	59	7.07	0.848	6	
RT/LT	16+25.00	TO	16+25.00	54.02	26.26	739.29	27.76	739.23	-0.11	18.00	2.5	5.40	18.00	59	53.53	0.793	43	
LT	16+75.00	TO	16+75.00	8.09	30.86	739.13	38.95	739.12	-0.12	18.00	2.5	5.70	18.00	59	7.07	0.848	6	
RT/LT	16+75.00	TO	16+75.00	54.12	26.26	739.19	27.86	739.13	-0.11	18.00	2.5	5.40	18.00	59	53.53	0.793	43	
LT	16+98.50	TO	16+98.50	22.01	29.36	739.13	28.81	739.16	-0.14	18.00	2.5	5.30	18.00	59	21.35	0.775	17	
RT	16+98.50	TO	16+98.50	22.00	27.76	739.19	27.56	739.22	-0.14	18.00	2.5	5.30	18.00	59	21.49	0.775	17	
LT	17+75.00	TO	17+75.00	13.06	26.13	738.99	39.19	738.97	-0.15	18.00	2.5	6.20	18.00	59	7.08	0.938	7	
RT/LT	17+75.00	TO	17+75.00	47.37	24.24	739.04	23.13	738.99	-0.11	18.00	2.5	5.80	18.00	59	46.87	0.866	41	
LT	18+50.00	TO	18+50.00	17.40	21.98	738.86	39.38	738.84	-0.11	18.00	2.5	6.70	18.00	59	7.07	1.030	8	
RT/LT	18+50.00	TO	18+50.00	41.39	22.41	738.91	18.98	738.86	-0.12	18.00	2.5	6.30	18.00	59	40.89	0.957	40	
LT	35+75.00	TO	36+38.00	63.31	40.05	741.00	33.79	741.06	0.09	21.00	2.75	3.70	9.00	44.5	16.12	0.317	6	
RT	36+33.55	TO	37+48.95	115.55	34.95	742.00	29.05	741.58	-0.36	27.00	3.25	3.60	9.00	51.5	101.13	0.369	38	
RT	36+31.05	TO	36+39.29	14.28	34.95	741.58	23.29	743.12	-10.79	12.00	2	3.00	9.00	34	10.74	0.236	3	
LT	36+40.00	TO	36+40.00	8.43	23.36	743.12	31.79	741.85	-15.07	12.00	2	2.90	9.00	34	7.07	0.226	2	
RT	37+51.45	TO	37+51.45	3.29	23.26	742.98	26.55	742.07	-27.66	12.00	2	2.50	9.00	34	1.07	0.184	1	
LT	37+75.00	TO	37+75.00	7.04	23.26	743.20	30.30	742.21	-14.06	12.00	2	2.40	9.00	34	1.07	0.173	1	
LT	39+25.00	TO	39+25.00	6.94	23.26	744.47	30.20	743.33	-16.43	12.00	2	2.40	9.00	34	1.07	0.173	1	
RT	39+25.00	TO	39+25.00	4.87	23.26	744.47	28.13	743.57	-18.48	12.00	2	2.40	9.00	34	1.07	0.173	1	
RT	40+44.66	TO	40+44.66	1.95	23.26	745.91	25.21	745.26	-33.33	12.00	2	2.50	9.00	34	0.69	0.184	1	
LT	40+75.00	TO	40+75.00	6.09	23.26	744.65	29.35	743.75	-14.78	12.00	2	2.50	9.00	34	1.07	0.184	1	
LT	40+77.00	TO	41+42.19	65.25	31.35	741.64	28.66	741.71	0.11	18.00	2.5	7.80	18.00	59	0.98	1.230	2	
LT	41+45.19	TO	41+82.52	37.34	28.66	741.76	29.53	741.80	0.11	18.00	2.5	7.50	18.00	59	35.50	1.175	42	
LT	41+85.52	TO	42+28.54	43.08	29.53	741.85	31.76	741.90	0.12	18.00	2.5	7.70	18.00	59	1.17	1.212	2	
RT	42+94.93	TO	42+96.37	4.37	23.26	747.54	27.39	746.64	-20.58	12.00	2	2.50	9.00	34	1.11	0.184	1	
RT	43+76.72	TO	43+76.72	3.92	23.26	748.23	27.18	747.14	-27.81	12.00	2	2.40	9.00	34	1.07	0.173	1	
TOTALS =																	456.00	

MODEL: \\MODELNAME
 FILE: \\FILENAME
 PROJECT: \\PROJECTNAME
 OFFICE: \\OFFICE
 DATE: 10/19/2018

USER NAME = Piersontj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
	10	OF	15
	STA.		TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	30
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

MANHOLE SCHEDULE																		
STR #	SIDE	STA	OFFSET FOOT	INFLOW INVERT ELEVATION FOOT	OUTFLOW INVERT ELEVATION FOOT	TOP OF CAST FOOT	TOP OF MASONRY ELEVATION FOOT	STRUCTURE DEPTH FOOT	SLAB DEPTH IN	NUMBER OF 2" ADJUSTING RINGS	ITEP	STATE	ITEP	ITEP	ITEP	STATE	ITEP	
											28000500		60218300	60218500	60219000		60221700	60223700
											INLET & PIPE PROTECTION EACH	MANHOLE TY. A 4' DIA T1F OP EACH	MANHOLE TY. A 4' DIA T3F&G EACH	MANHOLE TY. A 4' DIA T8F&G EACH	MANHOLE TY. A 5' DIA T8F&G EACH	MANHOLE TY. A 6' DIA T1F&G OL EACH		
* 2	LT	14+53.56	26.68	741.12	739.45	745.20	744.03	4.33	6.00	2.00	1.00			1.00				
* 9	RT	15+50.00	38.04	742.29	740.97	745.37	745.25	4.08	6.00	1.00	1.00				1.00			
11	LT	15+50.00	29.26	739.36	739.36	744.81	743.64	4.08	6.00	2.00	1.00			1.00				
3	LT	15+50.00	41.64	739.35	739.30	744.33	743.58	3.92	8.00	0.00	1.00						1.00	
* 10	RT	15+50.00	27.76	740.96	739.42	744.89	743.73	4.08	6.00	2.00	1.00			1.00				
4	LT	16+25.00	41.82	739.22	739.17	744.18	743.43	3.92	8.00	0.00	1.00						1.00	
5	LT	16+75.00	41.95	739.12	739.07	744.08	743.33	3.92	8.00	0.00	1.00						1.00	
6	LT	17+75.00	42.19	738.97	738.92	743.93	743.18	3.92	8.00	0.00	1.00						1.00	
7	LT	18+50.00	42.38	738.84	738.79	743.80	743.05	3.92	8.00	0.00	1.00						1.00	
89	RT	24+07.14	78.08	734.64	734.64	737.14	737.06	2.08	6.00	0.00		1.00			1.00			
90	LT	27+29.93	78.85	737.12	737.12	742.12	740.62	3.25	6.00	0.00		1.00			1.00			
* 79	RT	36+31.05	34.95	741.58	741.53	745.08	744.77	2.92	8.00	1.00	1.00						1.00	
* 67	LT	36+40.00	33.79	741.11	741.06	744.37	743.62	2.33	6.00	0.00	1.00		1.00					
* 80	RT	37+51.45	29.05	742.07	742.00	745.42	745.30	2.92	8.00	0.00	1.00						1.00	
* 68	LT	37+75.00	32.30	741.28	741.23	744.70	743.95	2.50	6.00	0.00	1.00		1.00					
69	LT	39+25.00	32.20	741.46	741.41	746.01	745.26	3.58	6.00	0.00	1.00		1.00					
EX	RT	40+44.66	27.71	744.91	744.91	748.11	747.99	2.83	6.00	0.00	1.00							
70	LT	40+75.00	31.35	741.64	741.59	747.36	746.61	4.75	6.00	0.00	1.00		1.00					
EX	RT	42+96.37	29.89	745.88	745.88	749.85	749.73	3.60	6.00	0.00	1.00							
88	RT	43+76.72	29.68	747.14	746.26	750.98	750.81	4.17	8.00	0.00	1.00						1.00	
SUB-TOTALS =											18.00	2.00	4.00	3.00	1.00	2.00	3.00	5.00
TOTALS =											20		4	3	3		3	5

* MANHOLES WITH THE 9" BELOW TOPSLAB OMITTED
28000500 CONTINUED ON SHEET 8 OF 15

TYPE B INLETS SCHEDULE															
STR #	SIDE	STA	OFFSET FOOT	INFLOW INVERT ELEVATION FOOT	OUTFLOW INVERT ELEVATION FOOT	TOP OF CAST FOOT	TOP OF MASONRY ELEVATION FOOT	STRUCTURE DEPTH FOOT	NUMBER OF 2" ADJUSTING RINGS	ITEP	ITEP	ITEP	ITEP	ITEP	
										28000500	60240210	60240220	60240395	60404305	
										INLET & PIPE PROTECTION EACH	INLETS TY. B T1F OP EACH	INLET TY B T3F&G EACH	INLET TY. B EACH	FR & GRATES T3V EACH	
13	LT	16+25.00	29.26	739.23	739.23	744.61	743.44	4.50	2.00	1.00			1.00		
12	RT	16+25.00	27.76	739.29	739.29	744.69	743.52	4.50	2.00	1.00			1.00		
15	LT	16+75.00	29.36	739.13	739.13	744.48	743.31	4.42	2.00	1.00			1.00		
14	RT	16+75.00	27.76	739.19	739.19	744.56	743.40	4.50	2.00	1.00			1.00		
17	LT	17+00.00	28.81	739.16	739.16	744.48	743.31	4.42	2.00	1.00			1.00		
16	RT	17+00.00	27.56	739.22	739.22	744.56	743.39	4.42	2.00	1.00			1.00		
19	LT	17+75.00	24.63	738.99	738.99	744.83	743.67	4.92	2.00	1.00			1.00		
18	RT	17+75.00	25.74	739.04	739.04	744.86	743.69	4.92	2.00	1.00			1.00		
21	LT	18+50.00	20.48	738.86	738.86	745.20	744.00	5.42	2.00	1.00				1.00	
20	RT	18+50.00	23.91	738.91	738.91	745.16	744.03	5.33	2.00	1.00				1.00	
71	LT	41+43.69	28.66	741.76	741.71	749.05	747.88	6.42	2.00	1.00			1.00		
72	LT	41+84.02	29.53	741.85	741.80	749.28	748.11	6.58	2.00	1.00			1.00		
73	LT	42+30.04	31.76	741.90	741.90	747.90	747.15	5.50	0.00	1.00	1.00				
TOTALS =										13.00	1.00	10.00	2.00	2.00	

28000500 AND 60404305 CONTINUED ON SHEET 8 OF 15

MODEL: \\MODELNAME; FILE NAME: \\FILENAME; PROJECT: \\PROJECT; OFFICE: \\OFFICE; DATE: \\DATE; USER: \\USER

USER NAME = PiersonJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 11 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	31
CONTRACT NO. 70A61				
ILLINOIS		FED. AID PROJECT		

SCHEDULE OF QUANTITIES

EASTBOUND CURB AND GUTTER SCHEDULES					
STA	TO	STA	LENGTH FOOT	ITEP	STATE
				60604400 COMB CC&G TB 6.18	
				FOOT	
15+10.83	TO	22+97.75	786.92	787.00	
22+97.75	TO	28+54.63	556.88	557.00	
28+54.63	TO	36+45.69	791.06	791.50	
36+45.69	TO	36+80.69	52.06	52.50	
37+18.26	TO	37+48.25	48.83	49.00	
37+48.25	TO	44+53.18	704.93	705.00	
EASTBOUND SUB-TOTALS =				2,385.00	557.00

WESTBOUND CURB AND GUTTER SCHEDULES							
STA	TO	STA	LENGTH FOOT	ITEP	STATE	ITEP	ITEP
				60604400 COMB CC&G TB 6.18		X0322494 CURB CUT	28100105 RIPRAP CLASS A3
				FOOT		FOOT	SQ YD
14+00.00	TO	14+30.96	30.96	31.00			
14+30.96	TO	14+60.66	74.51	75.00			
14+93.82	TO	15+28.79	58.81	59.00			
15+28.79	TO	22+97.75	768.96	769.00			
22+97.75	TO	28+54.63	556.88	557.00			
28+54.63	TO	41+32.10	1277.47	1277.50			
41+32.10	TO	41+50.40	42.24	42.50			
41+75.17	TO	41+97.77	46.50	46.50			
41+97.77	TO	42+49.00	51.23	51.50			
42+49.00	TO	42+51.00	2.00	2.00		2.00	8
42+51.00	TO	44+53.18	202.18	202.50			
WESTBOUND SUB-TOTALS =				2,556.50	557.00	2.00	8.00
PROJECT SUBTOTALS =				4941.50	1114.00	2.00	8.00
PROJECT TOTALS =				6055.50		2.00	8.00

PAVED DITCH SCHEDULE										
SIDE	STA	TO	STA	LENGTH FOOT	START OFFSET FOOT	INVERT ELEVATION FOOT	END OFFSET FOOT	OUTLET ELEVATION FOOT	SLOPE %	ITEP
										60615400 PAVED DITCH TA-15
RT	31+65.00	TO	35+84.36	421.80	52.11	741.450	37.23	740.000	0.35	422.0
TOTALS =										422.00

GUARDRAIL SCHEDULE									
STA	SIDE	TO	STA	SIDE	STATE	STATE	STATE	STATE	STATE
					63000001 STEEL PLATE BEAM GUARDRAIL TY A, 6 FT FOOT	63100045 TRAFFIC BARRIER TERMNIAL TY 2 EACH	63100085 TRAFFIC BARRIER TERMINAL TY 6 EACH	63100167 TRAFFIC BARRIER TERMINAL TY 1 SPL (TAN) EACH	63200310 GUARDRAIL REMOVAL FOOT
INTERSTATE-57									
506+69.12	NB RT	TO	509+32.61	NB RT	200.0	1		1	
506+98.37	NB RT	TO	510.15.86	NB RT					312.0
509+49.80	SB RT	TO	512+80.17	SB RT					336.0
BRADLEY AVENUE									
23+78.32	RT	TO	24+67.70	RT			1	1	
27+43.91	RT	TO	28+41.39	RT			1	1	
23+97.08	LT	TO	24+86.47	LT			1	1	
27+62.68	LT	TO	28+52.07	LT			1	1	
19+02.11	RT	TO	24+90.05	RT					558.0
27+30.07	RT	TO	33+44.44	RT					615.0
19+24.05	LT	TO	25+00.54	LT					577.0
27+40.33	LT	TO	33+55.05	LT					615.0
TOTALS =					200.0	1	4	5	3013.0

ATTENUATOR SCHEDULE				
STA	OFFSET	STATE	STATE	STATE
		64300450 IMPACT ATTEN NRD TL3 EACH	X6430120 REM IMP ATTEN NO SALV EACH	X6431110 REM ATTEN BASE EACH
509+59.99	0	1		
509+79.03	0		1	1
509+89.71	0		1	1
510+03.24	0	1		
TOTALS =		2	2	2

WOVEN WIRE FENCE SCHEDULE									
STA	TO	STA	SIDE	DIRECTION	START OFFSET	END OFFSET	LENGTH FOOT	STATE	STATE
								66500105 WOVEN WIRE FENCE, 4' FOOT	X6650202 WOVEN WIRE FENCE REMOVAL FOOT
INTERSTATE-57									
509+00.6	TO	509+47.61	RT	NB	119.8	157.73	60.40		60.4
509+02.32	TO	509+92.85	RT	NB	117.8	114.72	90.58		90.58
510+66.91	TO	511+38.17	RT	NB	113.81	132.6	73.70		73.70
509+71.04	TO	510+24.71	RT	SB	114.75	140.63	59.58	59.58	
508+43.63	TO	509+00.93	RT	SB	163.73	116.62	74.18	74.18	
BRADLEY AVENUE									
23+03.87	TO	23+87.37	RT	EB	89.66	57.41	89.51		89.51
23+05.84	TO	23+87.54	RT	EB	90.18	72.15	83.67	83.67	
TOTALS =								381.71	149.91
ROUNDED TOTALS =								382.00	150.00

MODEL: \\MODELNAME
FILE NAME: \\FILENAME
PROJECT: \\PROJECTNAME
DATE: 10/19/2018

USER NAME = PiersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 12 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	32
CONTRACT NO. 70A61				
ILLINOIS		FED. AID PROJECT		

SCHEDULE OF QUANTITIES

PAVEMENT MARKING LETTERS AND SYMBOLS SCHEDULE									
SIDE	STA	OFFSET	SYMBOL	ITEP	STATE	ITEP	STATE	ITEP	STATE
				78009000		X7830060		70300210	
				MOD URETH		GRV RCSD		TEMP	
				PVT MK LTR & SYM		PM LTR & SYM		PVT MK LTR & SYM	
				SQ FT	SQ FT	SQ FT	SQ FT	SQ FT	
RT	14+23.92	6.1	LEFT TURN ARROW	15.3		15.3		15.3	
RT	15+32.26	5.4	LEFT TURN ARROW	15.3		15.3		15.3	
LT	15+32.23	22.9	LEFT TURN ARROW	15.3		15.3		15.3	
LT	37+36.35	0.7	LEFT TURN ARROW	15.3		15.3		15.3	
LT	38+12.35	0.7	LEFT TURN ARROW	15.3		15.3		15.3	
LT	38+88.34	0.7	LEFT TURN ARROW	15.3		15.3		15.3	
RT	40+14.65	0.7	LEFT TURN ARROW	15.3		15.3		15.3	
RT	40+68.14	0.7	LEFT TURN ARROW	15.3		15.3		15.3	
RT	41+21.64	0.7	LEFT TURN ARROW	15.3		15.3		15.3	
LT	15+23.11	13.8	STRAIGHT ARROW	4.5		4.5		4.5	
LT	15+24.11	13.8	BIKE	5.3		5.3		5.3	
LT	16+76.96	14.0	STRAIGHT ARROW	4.5		4.5		4.5	
LT	16+86.96	14.0	BIKE	5.3		5.3		5.3	
LT	18+89.77	14.1	STRAIGHT ARROW	4.5		4.5		4.5	
LT	18+99.77	14.1	BIKE	5.3		5.3		5.3	
LT	21+89.77	13.3	STRAIGHT ARROW	4.5		4.5		4.5	
LT	21+99.77	13.3	BIKE	5.3		5.3		5.3	
LT	24+26.11	13.3	STRAIGHT ARROW		4.5		4.5		4.5
LT	24+36.11	13.3	BIKE		5.3		5.3		5.3
LT	29+12.26	13.4	STRAIGHT ARROW	4.5		4.5		4.5	
LT	29+24.26	13.4	BIKE	5.3		5.3		5.3	
LT	32+12.26	13.4	STRAIGHT ARROW	4.5		4.5		4.5	
LT	32+24.26	13.4	BIKE	5.3		5.3		5.3	
LT	35+12.26	16.2	STRAIGHT ARROW	4.5		4.5		4.5	
LT	35+24.26	16.2	BIKE	5.3		5.3		5.3	
LT	38+12.26	18.7	STRAIGHT ARROW	4.5		4.5		4.5	
LT	38+24.26	18.7	BIKE	5.3		5.3		5.3	
LT	41+12.26	18.7	STRAIGHT ARROW	4.5		4.5		4.5	
LT	41+24.26	18.7	BIKE	5.3		5.3		5.3	
RT	15+40.99	24.3	STRAIGHT ARROW	4.5		4.5		4.5	
RT	15+30.99	24.3	BIKE	5.3		5.3		5.3	
RT	18+40.99	20.6	STRAIGHT ARROW	4.5		4.5		4.5	
RT	18+30.99	20.6	BIKE	5.3		5.3		5.3	
RT	21+40.99	13.3	STRAIGHT ARROW	4.5		4.5		4.5	
RT	21+30.99	13.3	BIKE	5.3		5.3		5.3	
RT	24+40.99	13.3	STRAIGHT ARROW		4.5		4.5		4.5
RT	24+30.99	13.3	BIKE		5.3		5.3		5.3
RT	30+45.74	13.3	STRAIGHT ARROW	4.5		4.5		4.5	
RT	30+35.74	13.3	BIKE	5.3		5.3		5.3	
RT	33+45.74	13.3	STRAIGHT ARROW	4.5		4.5		4.5	
RT	33+35.74	13.3	BIKE	5.3		5.3		5.3	
RT	36+45.74	18.8	STRAIGHT ARROW	4.5		4.5		4.5	
RT	36+35.74	18.8	BIKE	5.3		5.3		5.3	
SUB-TOTALS =				285	20	285	20	285	20
TOTALS =				305.0		305.0		305.0	

SIDEROAD PAVEMENT MARKING LETTERS AND SYMBOLS SCHEDULE											
SIDE STREET	START STA	STOP STA	START OFFSET	STOP OFFSET	SHAPE OR COLOR	ITEP	ITEP	ITEP			
						78009000		X7830060		70300210	
						MOD URETH		GRV RCSD		TEMP	
						PVT MK LTR & SYM		PM LTR & SYM		PVT MK LTR & SYM	
						SQ FT	SQ FT	SQ FT	SQ FT		
CRESTWOOD	201+61.79	N/A	-2.1	N/A	LEFT TURN ARROW	15.3	15.3	15.3			
CRESTWOOD	201+61.79	N/A	-10.4	N/A	RIGHT TURN ARROW	15.3	15.3	15.3			
CRESTWOOD	200+99.78	N/A	-1.9	N/A	LEFT TURN ARROW	15.3	15.3	15.3			
CRESTWOOD	200+99.78	N/A	-10.2	N/A	RIGHT TURN ARROW	15.3	15.3	15.3			
CRESTWOOD	201+37.76	N/A	-1.6	N/A	LEFT TURN ARROW	15.3	15.3	15.3			
CRESTWOOD	201+37.76	N/A	-9.9	N/A	RIGHT TURN ARROW	15.3	15.3	15.3			
TOTALS =						92.0	92.0	92.0			

MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 DRAWING: \\DRAWING
 DATE: \\DATE

USER NAME = PiersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 13 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	33
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

PAVEMENT STRIPING SCHEDULE																
STA	TO	STA	OFFSET	COLOR	78009004		X7830070		70300220		78009012		X7830078		70300260	
					MOD URETH		GRV RCSD		TEMP		MOD URETH		GRV RCSD		TEMP	
					PVT MK	PVT	PVT MK	PVT	PVT MK	PVT MK	PVT	PVT	MRKG 5	MRKG 13	MRKG 5	MRKG 13
					LINE 4"	MRKG 5	LINE 4"	LINE 4"	LINE 12"	MRKG 13	LINE 12"	MRKG 13	MRKG 13	MRKG 13	MRKG 13	MRKG 13
					FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
14+00.00	TO	14+26.83	LTL	Y-DBL	27		27		27							
15+26.80	TO	17+04.82	LTL	Y-DBL	178		178		178							
17+04.82	TO	21+08.82	LTL	Y-DBL	404		404		404							
21+08.82	TO	22+97.75	CL	Y-DBL	189		189		189							
22+97.75	TO	28+54.63	CL	Y-DBL		557		557		557						
28+54.63	TO	34+18.33	CL	Y-DBL	564		564		564							
34+18.33	TO	36+75.74	CL	Y-DBL	257		257		257							
37+21.01	TO	41+36.98	LTL+RTL	Y-DBL	416		416		416							
41+91.38	TO	44+53.16	CL	Y-DBL	262		262		262							
15+26.80	TO	16+91.80	CL	W	165		165		165							
37+20.98	TO	38+90.98	LTL	W	170		170		170							
40+12.01	TO	41+37.01	LTL	W	125		125		125							
15+26.80	TO	22+97.75	RT	W	771		771		771							
22+97.75	TO	28+54.63	RT	W		557		557		557						
28+54.63	TO	36+45.69	RT	W	791		791		791							
37+38.54	TO	45+03.21	RT	Y	765		765		765							
14+00.00	TO	14+26.83	LT	W	27		27		27							
15+26.80	TO	16+91.78	LT	W x 2	330		330		330							
16+91.78	TO	18+89.77	LT	W-DOT x 2	396		396		396							
18+89.77	TO	22+97.75	LT	W	408		408		408							
22+97.75	TO	28+54.63	LT	W		557		557		557						
28+54.63	TO	41+31.65	LT	W	1277		1277		1277							
41+88.35	TO	44+06.32	LT	Y	218		218		218							
17+37.94	TO	20+14.30	RT	Y-20' SPACING							91		91		91	
34+62.06	TO	36+65.85	CL	Y-20' SPACING							98		98		98	
37+57.84	TO	44+26.75	RT	Y-20' SPACING							184		184		184	
41+96.80	TO	44+39.63	CL	Y-20' SPACING							175		175		175	
42+03.53	TO	43+43.55	LT	Y-20' SPACING							34		34		34	
SUB-TOTALS =					7740	1671	7740	1671	7740	1671	582	582	582	582	582	582
TOTALS =					9411		9411		9411		582	582	582	582	582	582

SIDEROAD STRIPING SCHEDULE																							
SIDE STREET	START STA	STOP STA	START OFFSET	STOP OFFSET	SHAPE OR COLOR	78009004		X7830070		70300220		78009006		X7830074		70300240		78009024		X7830090		70300280	
						MOD URETH		GRV RCSD		TEMP		MOD URETH		GRV RCSD		TEMP		MOD URETH		GRV RCSD		TEMP	
						PVT MK	PVT	PVT MK	PVT	PVT MK	PVT MK	PVT	PVT MK	PVT	PVT MK	PVT MK	PVT	PVT MK	PVT	MRKG 25	PVT MK	PVT MK	
						LINE 4"	MRKG 5	LINE 4"	LINE 4"	LINE 6"	MRKG 7	LINE 7"	LINE 24"	MRKG 25	MRKG 25	MRKG 25	MRKG 25	MRKG 25	MRKG 25	MRKG 25	MRKG 25		
						FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT		
BLUEGRASS	400+36.35	N/A	21.2	-12.0	W							34	34	34									
BLUEGRASS	400+42.35	N/A	21.3	-12.2	W							34	34	34									
CRESTWOOD	200+31.78	N/A	28.8	-27.1	W							56	56	56									
CRESTWOOD	200+37.78	N/A	24.6	-23.1	W							48	48	48									
CRESTWOOD	200+41.78	N/A	6.6	-21.4	W												28		28		28		
CRESTWOOD	200+43.78	201+37.71	6.6	6.6	Y-DBL	94	94	94															
CRESTWOOD	200+43.78	201+37.71	-6.8	-6.8	Y-DBL	94	94	94															
ALPINE	500+16.05	N/A	12.8	0.0	W												13		13		13		
ALPINE	500+20.05	N/A	13.9	-14.1	W							28	28	28									
ALPINE	500+26.05	N/A	14.7	-15.1	W							30	30	30									
SUB-TOTALS =						188	188	188	230	230	230	41	41	41	41	41	41	41	41	41	41	41	41
TOTALS =						188	188	188	230	230	230	41	41	41	41	41	41	41	41	41	41	41	41

MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 DRAWING: \\DRAWING
 DATE: \\DATE

USER NAME = PiersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 14 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	34
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

TEMPORARY CONCRETE BARRIER SCHEDULES							
STA	TO	STA	DIRECTION	SIDE	STATE	STATE	STATE
					70400100	70600250	70600251
					TEMP CONCRETE BARRIER	IMP ATTN TEMP NRD TL3	IMP ATTN TEMP NRN TL3
					FOOT	EACH	EACH
504+85.00	TO	511+15.00	NB	RT	562.5	1.0	1.0
505+75.00	TO	510+50.00	NB	LT	650.0		2.0
508+60.00	TO	514+85.00	SB	RT	563		2.0
509+20.00	TO	514+85.00	SB	LT	663	1.0	1.0
TOTALS =					2437.5	2.0	6.0
ROUNDED TOTALS =					2438.00	2.00	6.00

LIGHT POLE REMOVAL SCHEDULE			
STA	OFFSET	ITEP	ITEP
		X0323360	X1200139
		WOODEN POLE REMOVAL	REMOVAL OF LIGHTING LUMINAIR SALVAGE
		EACH	EACH
15+10.56	38.53	1	1
TOTALS =		1	1

LIGHTING SCHEDULE							
SIDE	ITEP	STATE	STATE	STATE	STATE	ITEP	STATE
	81028770	81200230	81702120	81702130	X8110458	X1400356	
		CON	EC	EC		UD	
		UNDRGRD C CNC 3	EMB STR 2 PVC	CXLP USE 1C 8	CXLP USE 1C 6	CON AT ST 2 SS	2#6 #8G XLPUSE 2
		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
WEST APPROACH	235.00					1420.00	
BRIDGE		310.00	350.00	700.00	20.00		220.00
EAST APPROACH	170.00					1600.00	
SUB-TOTALS =	405.00	310.00	350.00	700.00	20.00	3020.00	220.00
TOTALS =	405	310	350	700	20	3240	

LIGHTING STRUCTURES SCHEDULE													
STA	SIDE	START OFFSET	STATE	ITEP	STATE	ITEP	STATE	ITEP	STATE	ITEP	STATE		
			81300550		83600352		83800650		X1400094		X8250505		X8300001
			JUN BOX SS AS 12x12x6		LP F M 11.5BC 8 5/8x6		BKWY DEV COU SS SCRN		LUM LED HM LOW WATT		LIGHT CONTROLLER SPL		LIGHT POLE SPECIAL
			EACH		EACH		EACH		EACH		EACH		EACH
14+20	LT	21.2		1		4.00		1.00			1.00		
15+15	LT	34		1		4.00		1.00			1.00		
15+35	RT									1.00			
16+15	LT	38.7		1		4.00		1.00			1.00		
18+25	LT	30.7		1		4.00		1.00			1.00		
20+20	LT	25.6		1		4.00		1.00			1.00		
22+20	LT	25.5		1		4.00		1.00			1.00		
24+20	LT	25.8			1		4						1
24+72.25	LT	24.5	1										
26+20	LT									1			1
27+74.47	LT	24.5	1										
28+20	LT	25.8			1		4			1			1
30+25	LT	25.6		1		4.00		1.00			1.00		
32+30	LT	25.7		1		4.00		1.00			1.00		
34+40	LT	25.8		1		4.00		1.00			1.00		
36+50	LT	31.1		1		4.00		1.00			1.00		
37+60	RT	25.2		1		4.00		1.00			1.00		
38+60	LT	25.7		1		4.00		1.00			1.00		
40+90	LT	25.6		1		4.00		1.00			1.00		
41+95	RT	25.3		1		4		1.00			1.00		
43+20	LT	26.9		1		4.00		1.00			1.00		
SUB-TOTALS =			2.00	15.00	2.00	60.00	8.00	15.00	3.00	1.00	15.00	3.00	
TOTALS =			2.00	17.00		68.00		18.00		1.00	18.00		

* 81702130 CONTINUED IN SCHEDULE ABOVE

MODEL: I:\MODEL\NAME: FILE: NAME: PROJECT: I:\PROJECTS\0570A6\ICADD\DATA\Drawings\0570A6\Light-Schedule.dwg

USER NAME = Piersontj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 15 OF 15 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	35
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

CONTROL POINTS

BRADLEY AVE. CENTERLINE POINTS					
POINT #	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
POT #5	100+00	0	1260465.054	989478.705	VAULT
POT #10	103+54.61(BK)	0	1260458.011	989833.24	MAG NAIL
POT #1	0+00.00(AH)	0	1260458.011	989833.24	MAG NAIL
PI KINK #2	13+79.76	0	1260440.642	991212.895	IP WITH IDOT CAP
SECTION CORN #3	49+54.74	0	1260395.639	994787.59	PSM
BASIS OF STA. #4	26+15.19(BRAD)	0	1260425.09	992448.223	MAG NAIL
	509+81.62(I-57)	0	1260425.09	992448.223	MAG NAIL

I-57 CENTERLINE POINTS					
POINT #	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
POT #44	425+03.573	0	1251987.72	992208.971	PSM
P.C. Station #290	494+20.422	0	1258904.292	992147.013	Iron Pin with IDOT Cap
P.I. Station #138	508+75.494	267.917	1260359.305	992133.979	Iron Pin with IDOT Cap
P.T. Station #50	522+00.764	0	1261453.823	993092.762	PSM
POT #51	534+00.021	0	1262355.914	993882.982	PSM

MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
 DATE: \\DATE
 DRAWN BY: \\DRAWNBY
 CHECKED BY: \\CHECKEDBY
 DATE: \\DATE

USER NAME = PERSONTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

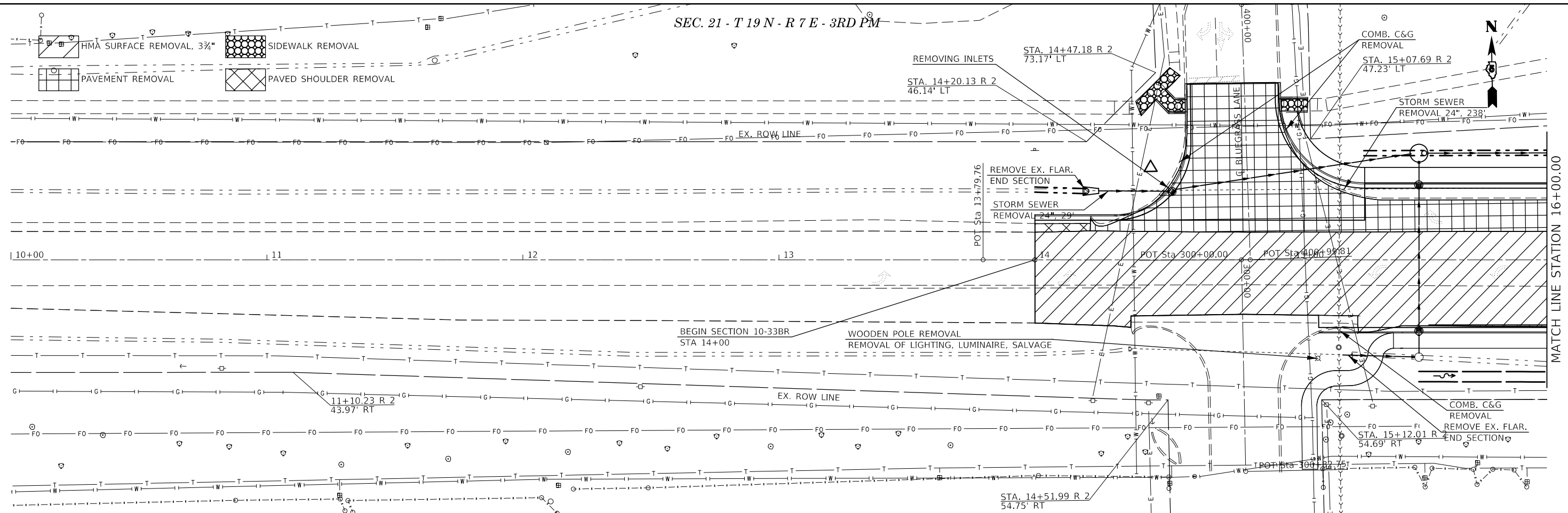
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONTROL POINTS

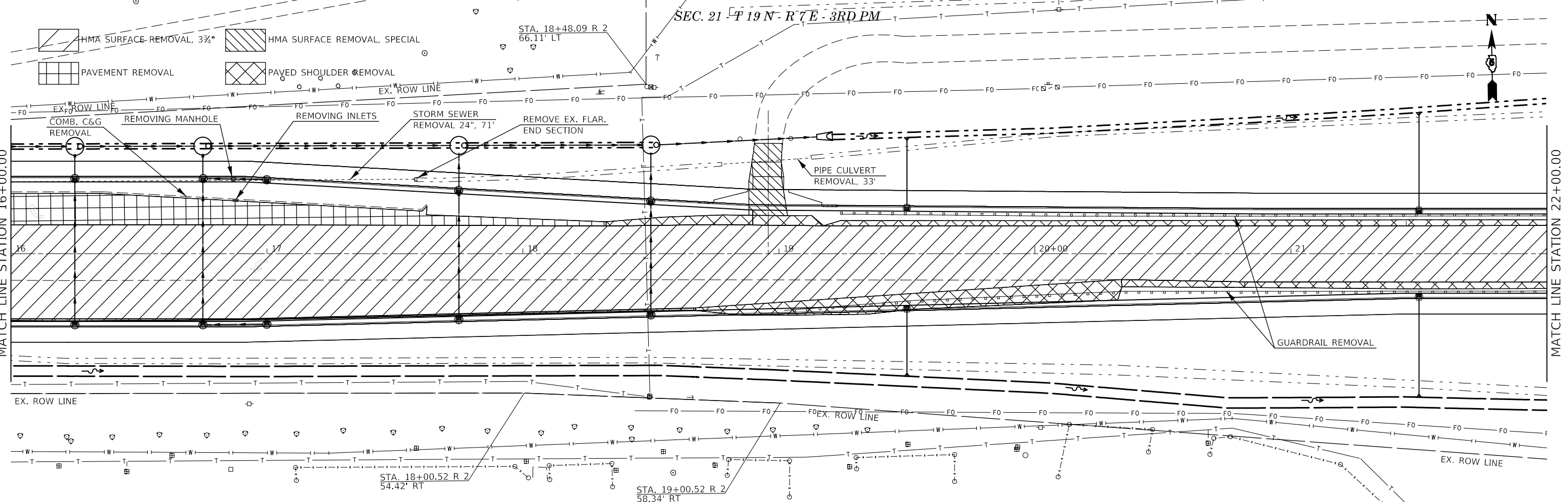
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	36
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SEC. 21 - T 19 N - R 7 E - 3RD PM



SEC. 21 - T 19 N - R 7 E - 3RD PM



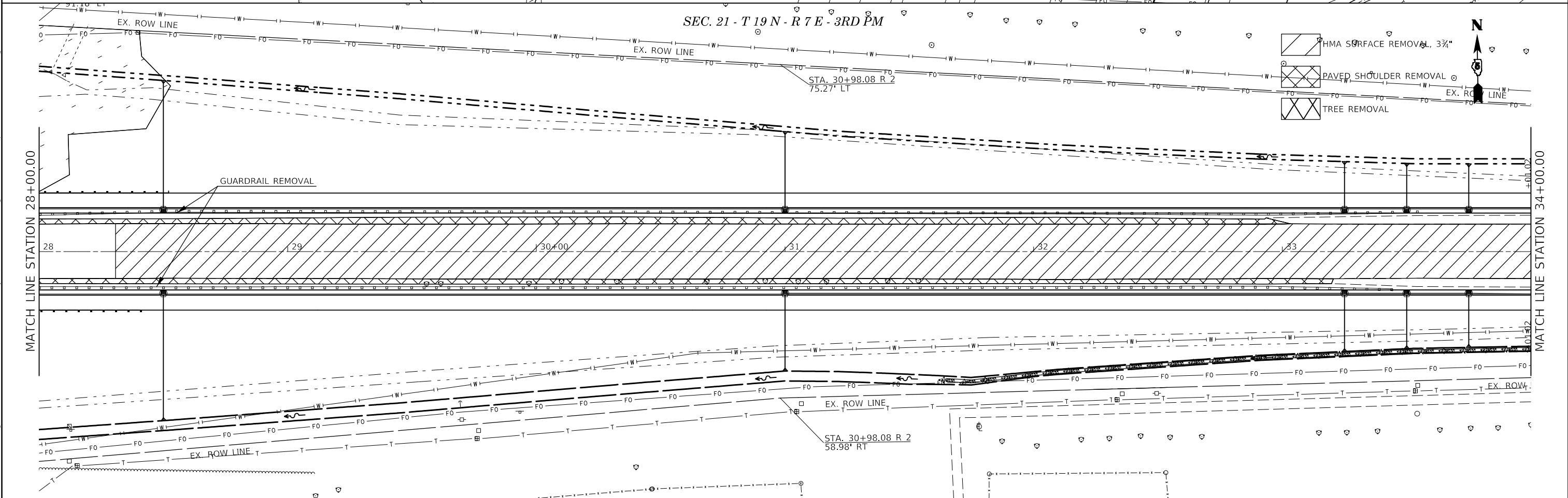
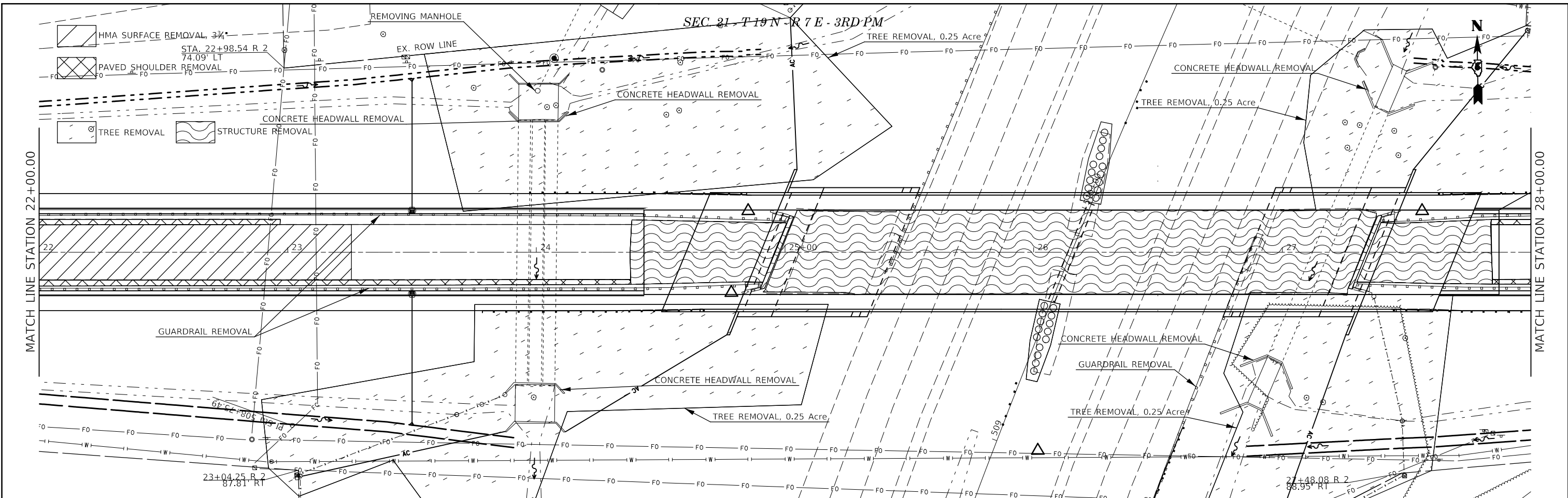
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USER NAME = PIERSONTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 20'		SHEET 1 OF 3 SHEETS		STA. 14+00.00 TO STA. 22+00.00	
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F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 37
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				



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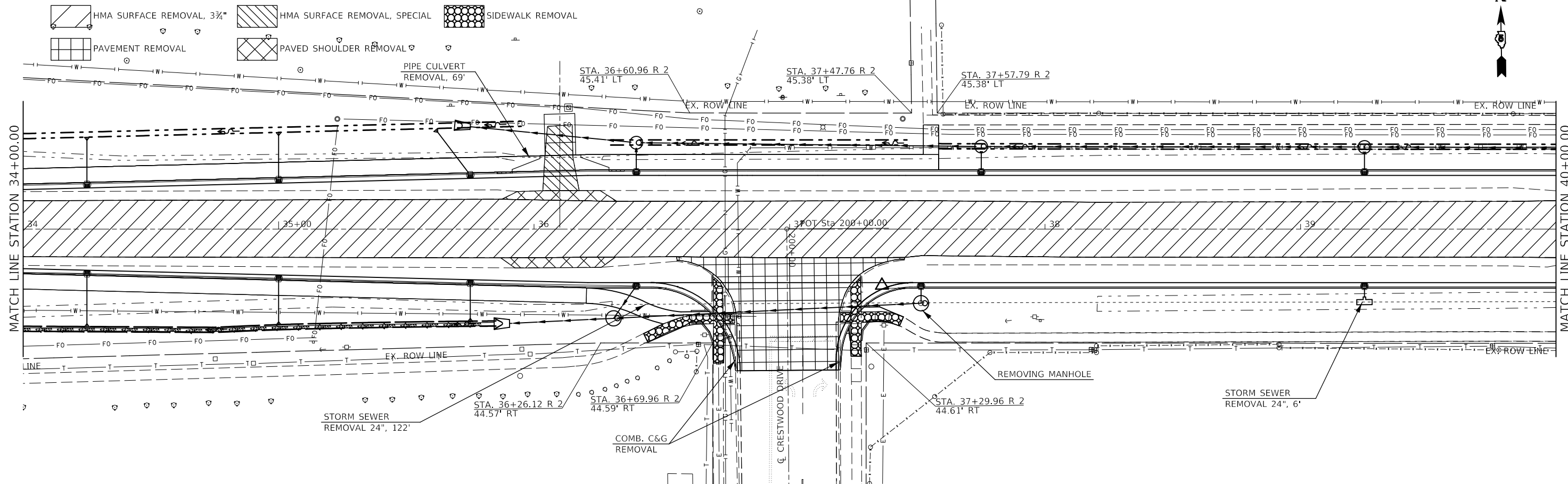
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PLOT DATE = 10/18/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

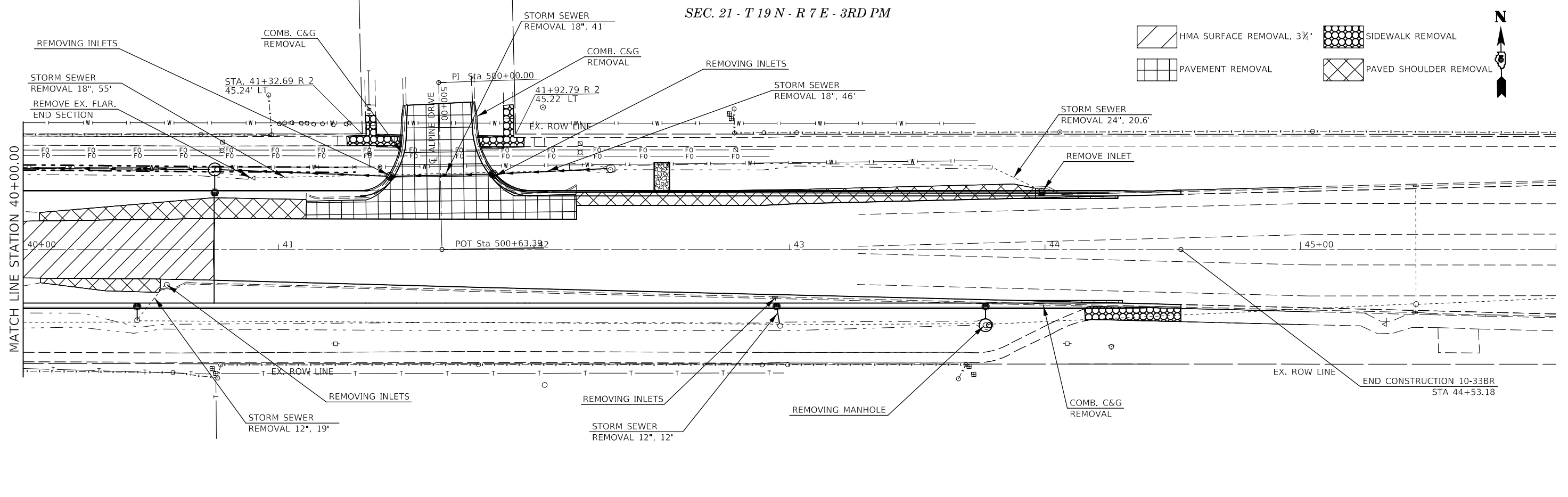
BRADLEY AVENUE REMOVAL PLAN
 SCALE: 1" = 20' SHEET 2 OF 3 SHEETS STA. 22+00.00 TO STA. 34+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	38
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SEC. 21 - T 19 N - R 7 E - 3RD PM



SEC. 21 - T 19 N - R 7 E - 3RD PM



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USER NAME = PERSONTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BRADLEY AVENUE REMOVAL PLAN

SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. 34+00.00 TO STA. 44+53.18

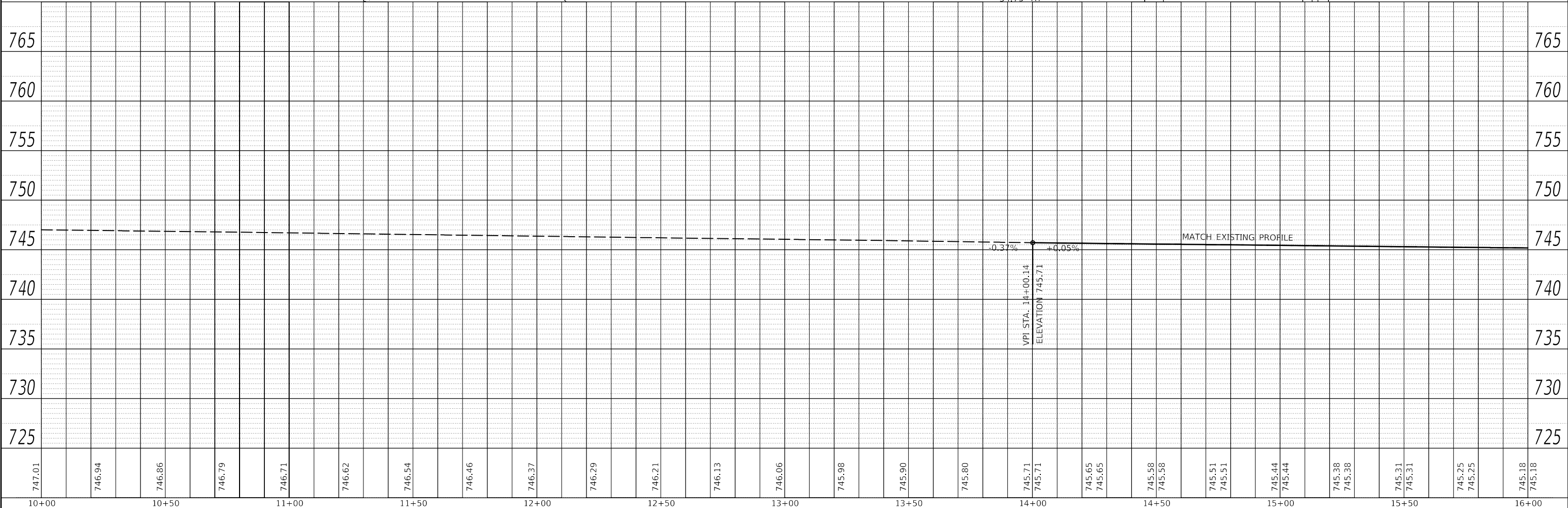
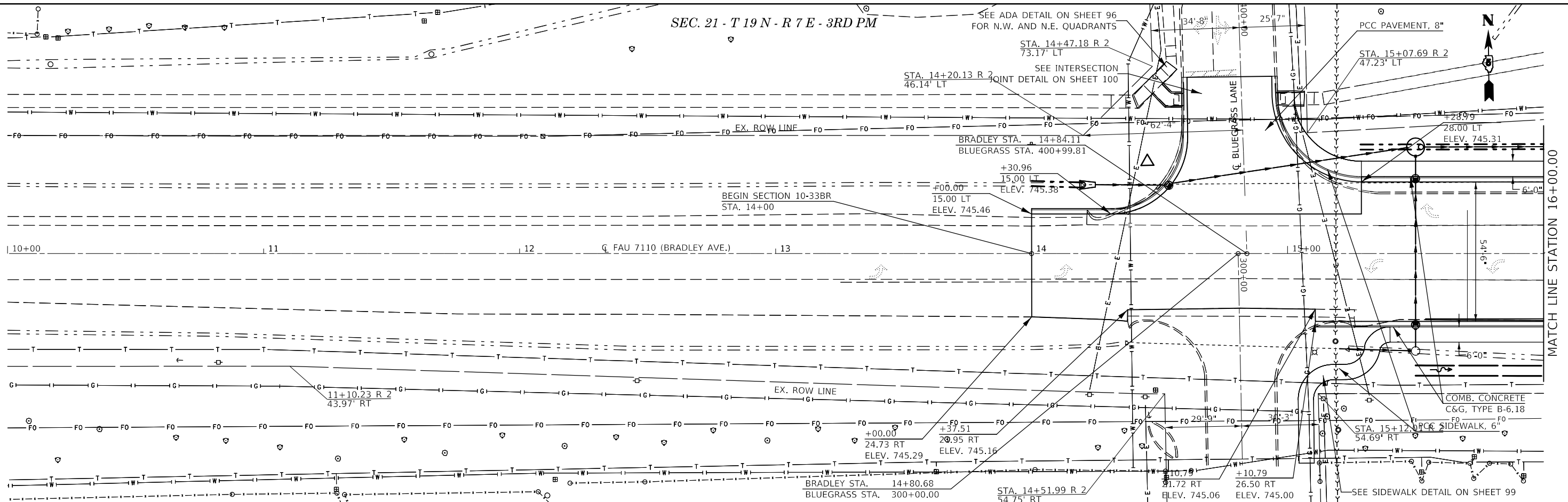
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	39
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SEC. 21 - T 19 N - R 7 E - 3RD PM

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

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USER NAME = PERSONTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 10/18/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

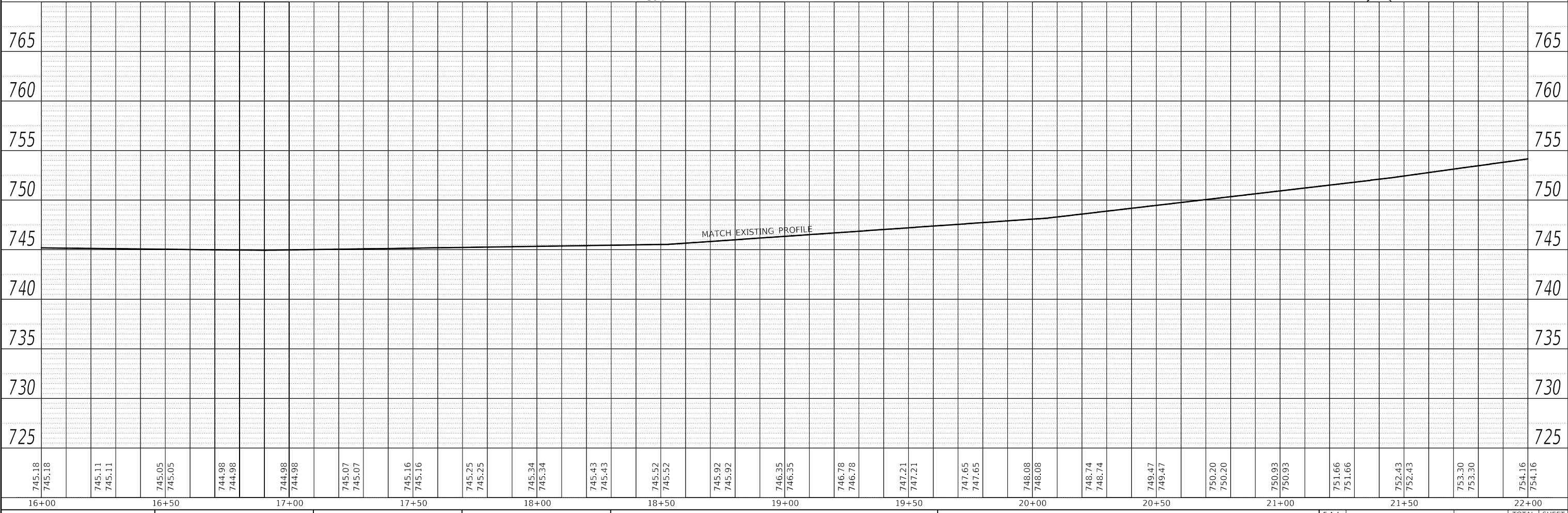
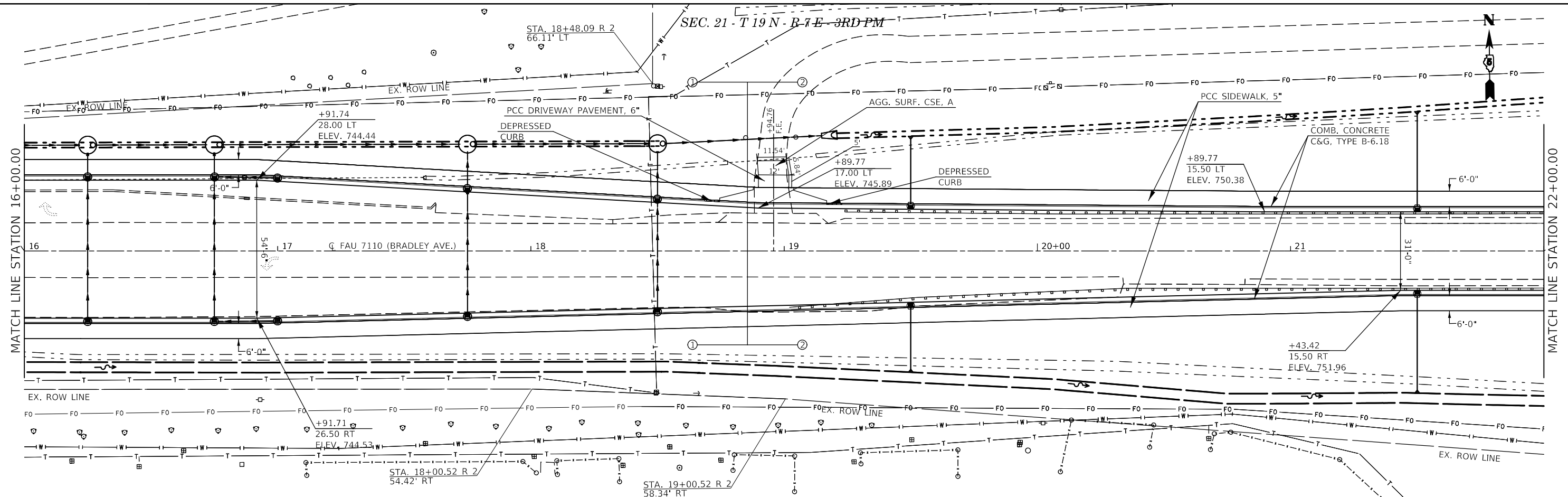
BRADLEY AVENUE ROADWAY PLAN & PROFILE
SCALE: 1" = 20' SHEET 1 OF 6 SHEETS STA. 14+00.00 TO STA. 16+00.00

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 40
CONTRACT NO. 70A61				
ILLINOIS		FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	CAD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

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USER NAME = PIERSONTJ	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISD -
PLOT DATE = 10/18/2018	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

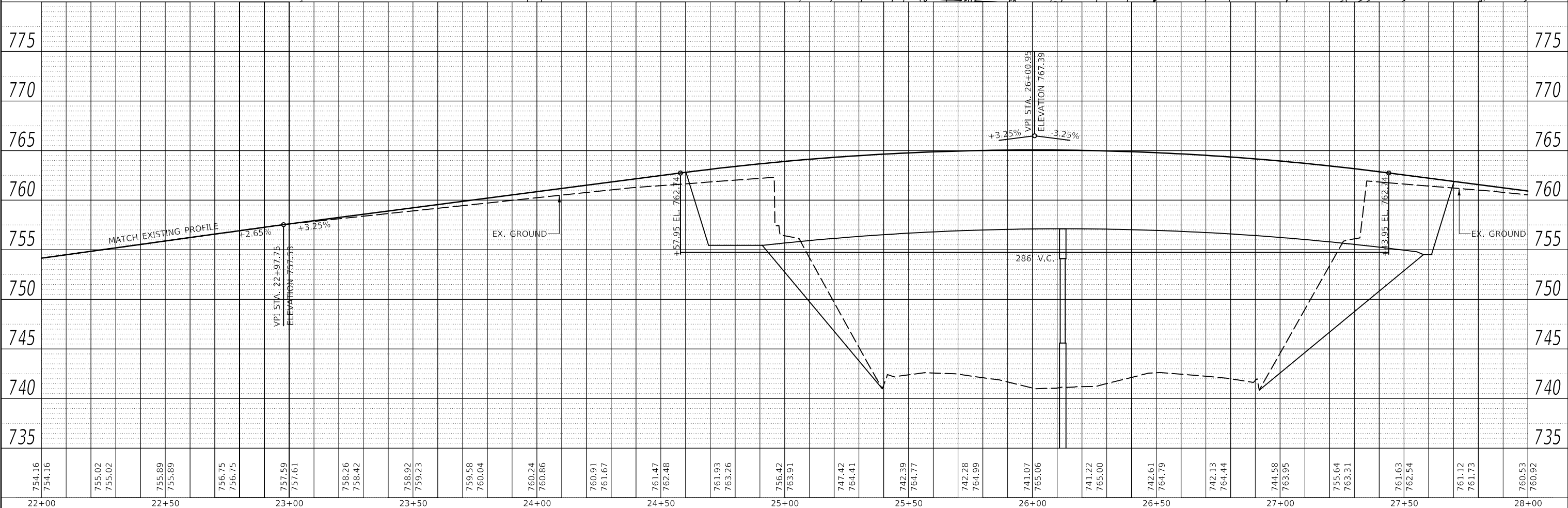
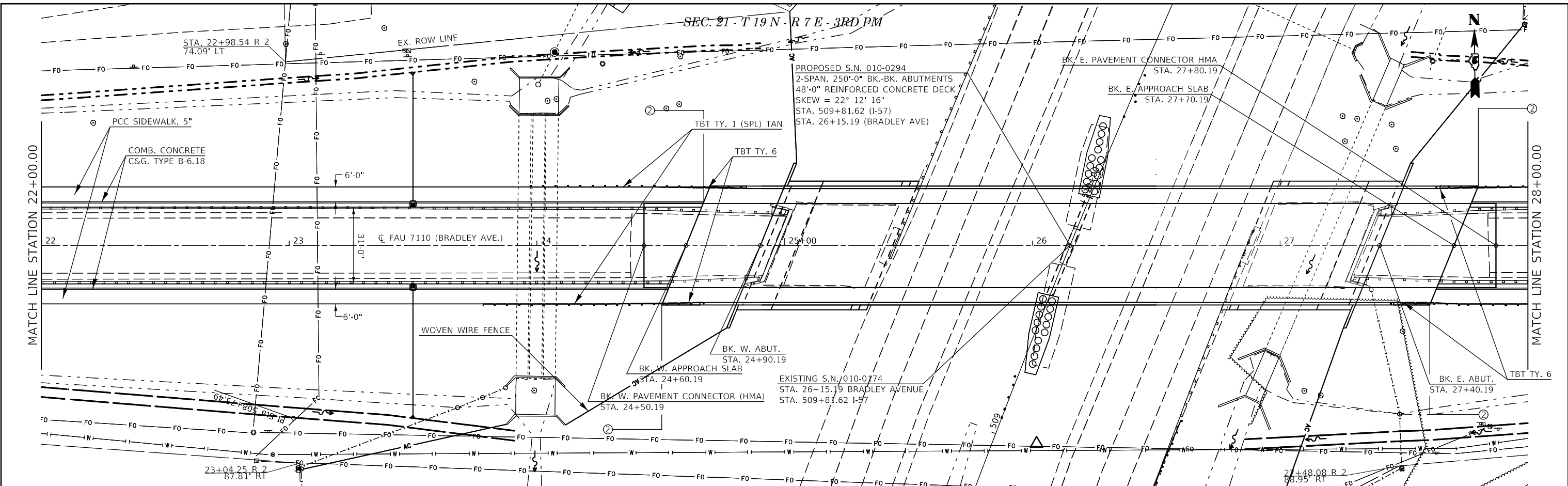
BRADLEY AVENUE ROADWAY PLAN & PROFILE
SCALE: 1" = 20' SHEET 2 OF 6 SHEETS STA. 16+00.00 TO STA. 22+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	41
CONTRACT NO. 70A61			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATION CURWD	
	NOTE BOOK NO.	
	BY	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CURWD	
	NOTE BOOK NO.	
	BY	

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754.16	754.16	755.02	755.02	755.89	755.89	756.75	756.75	757.59	757.61	758.26	758.42	758.92	759.23	759.58	760.04	760.24	760.86	760.91	761.67	761.47	762.48	761.93	763.26	756.42	763.91	747.42	764.41	742.39	764.77	742.28	764.99	741.07	765.06	741.22	765.00	742.61	764.79	742.13	764.44	744.58	763.95	755.64	763.31	761.63	762.54	761.12	761.73	760.53	760.92
22+00		22+50		23+00		23+50		24+00		24+50		25+00		25+50		26+00		26+50		27+00		27+50		28+00																									

USER NAME = PERSONTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BRADLEY AVENUE ROADWAY PLAN & PROFILE

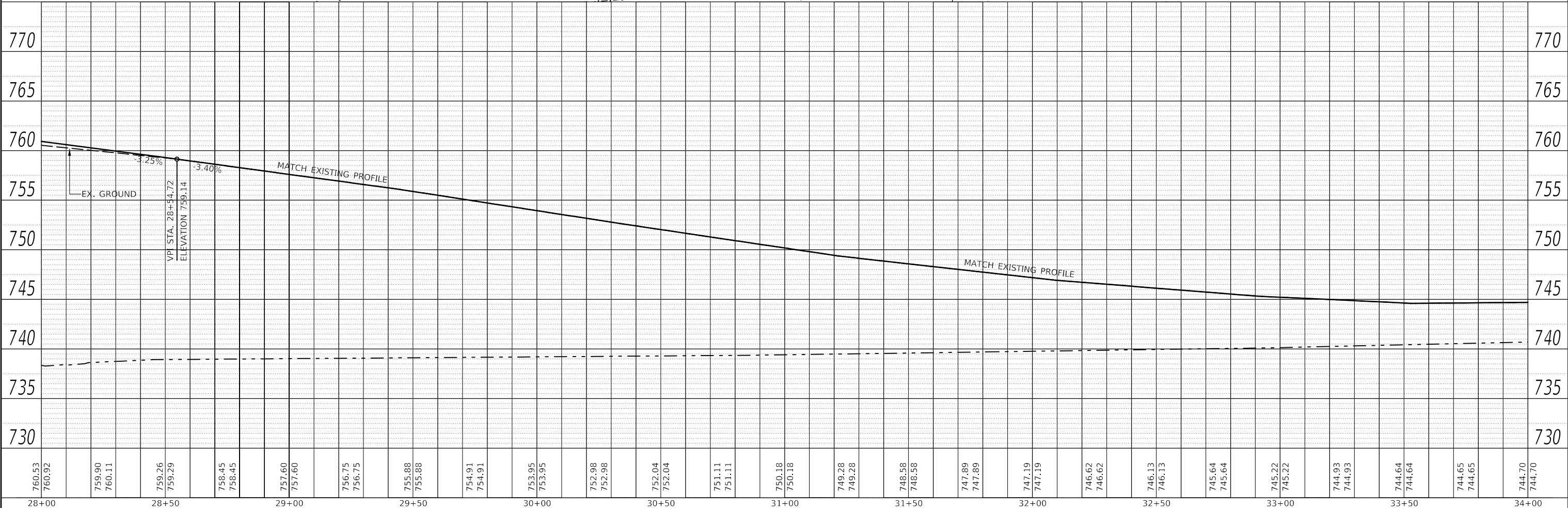
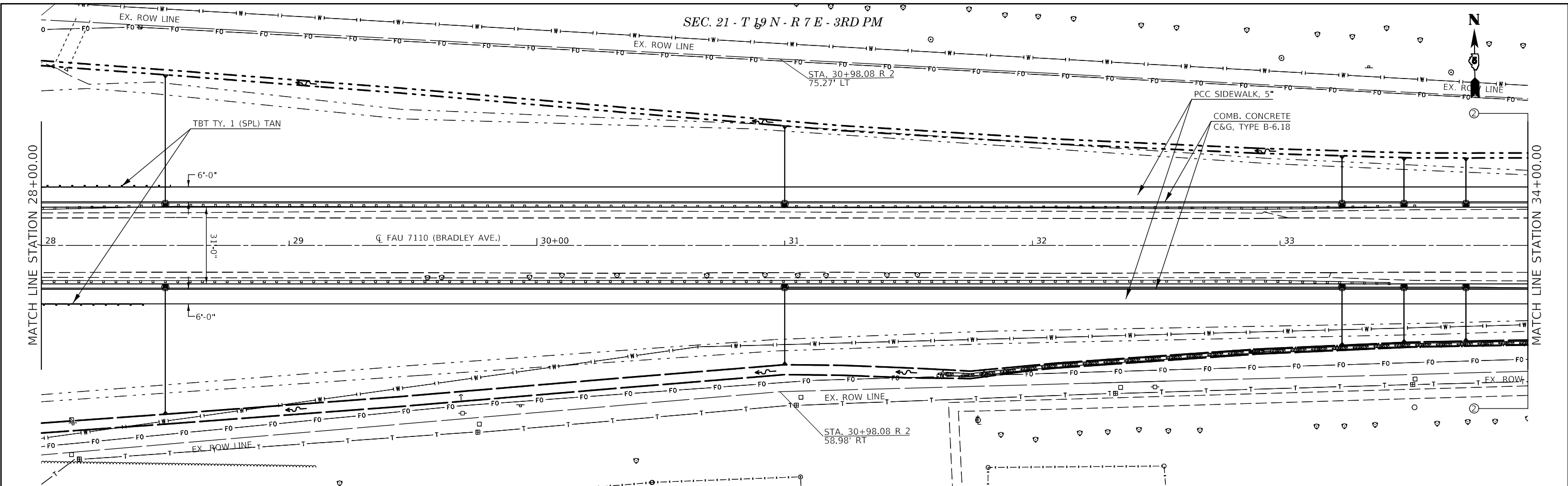
F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 42
CONTRACT NO. 70A61			ILLINOIS FED. AID PROJECT	

SCALE: 1" = 20' SHEET 3 OF 6 SHEETS STA. 22+00.00 TO STA. 28+00.00

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
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	NOTATION	
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USER NAME = PERSONTJ	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BRADLEY AVENUE ROADWAY PLAN & PROFILE

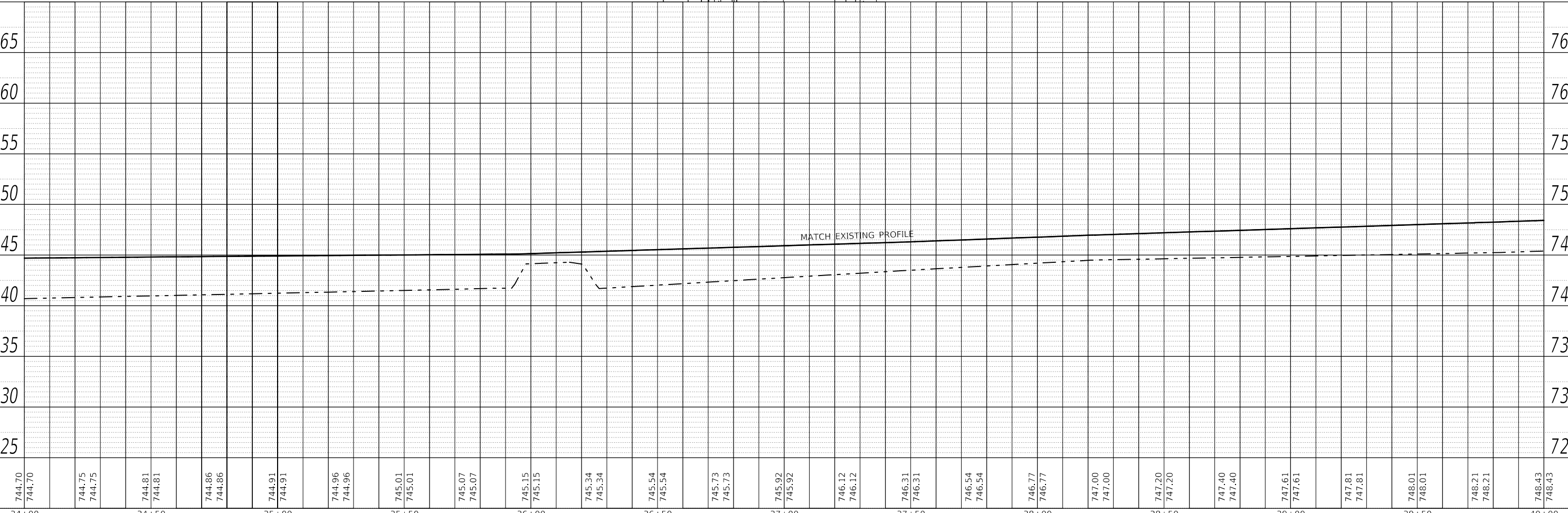
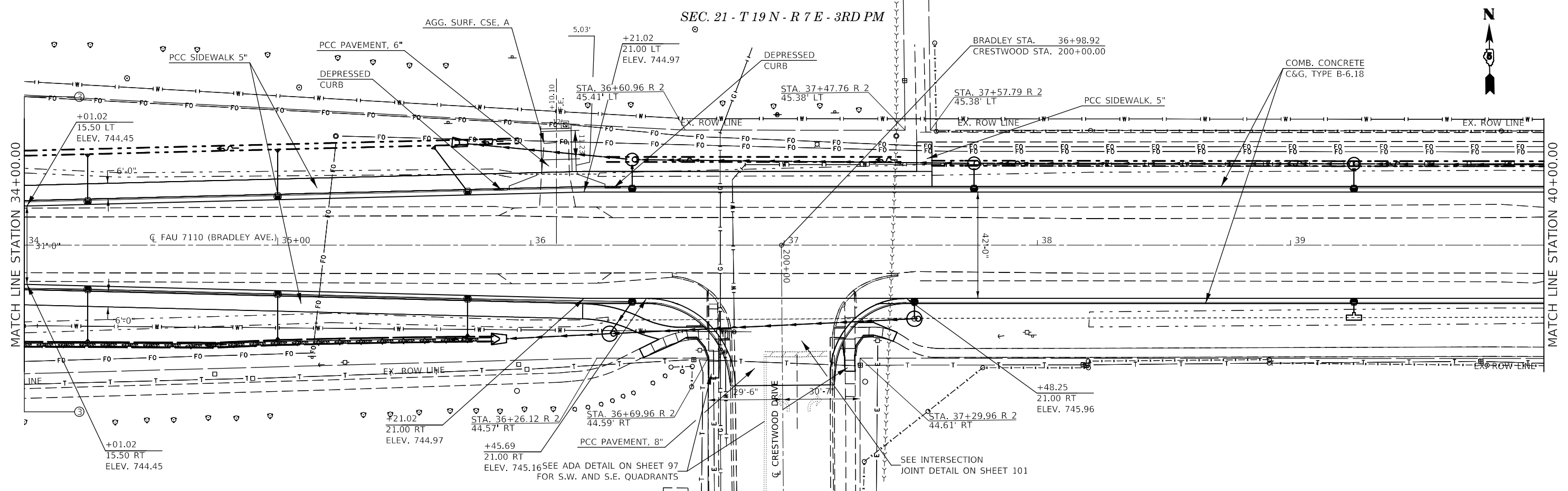
SCALE: 1" = 20' SHEET 4 OF 6 SHEETS STA. 28+00.00 TO STA. 34+00.00

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 43
CONTRACT NO. 70A61			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	ALIGNMENT CHECKED	
	GRADE CHECKED	
NO.	STRUCTURE NOTATIONS	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS	
NO.	FILE NAME	

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744.70	744.70	744.75	744.75	744.81	744.81	744.86	744.86	744.91	744.91	744.96	744.96	745.01	745.01	745.07	745.07	745.15	745.15	745.34	745.34	745.54	745.54	745.73	745.73	745.92	745.92	746.12	746.12	746.31	746.31	746.54	746.54	746.77	746.77	747.00	747.00	747.20	747.20	747.40	747.40	747.61	747.61	747.81	747.81	748.01	748.01	748.21	748.21	748.43	748.43
34+00		34+50		35+00		35+50		36+00		36+50		37+00		37+50		38+00		38+50		39+00		39+50		40+00																									

USER NAME = PIERSONTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 10/18/2018	DATE -	REVISED -

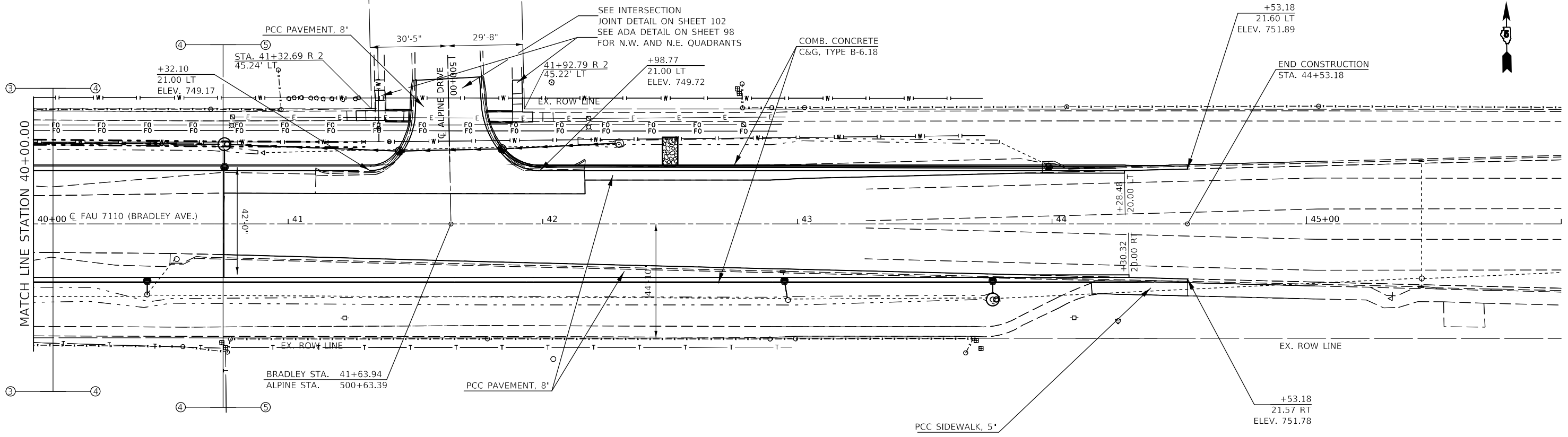
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BRADLEY AVENUE ROADWAY PLAN & PROFILE
SCALE: 1" = 20' SHEET 5 OF 6 SHEETS STA. 34+00.00 TO STA. 40+00.00

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 44
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

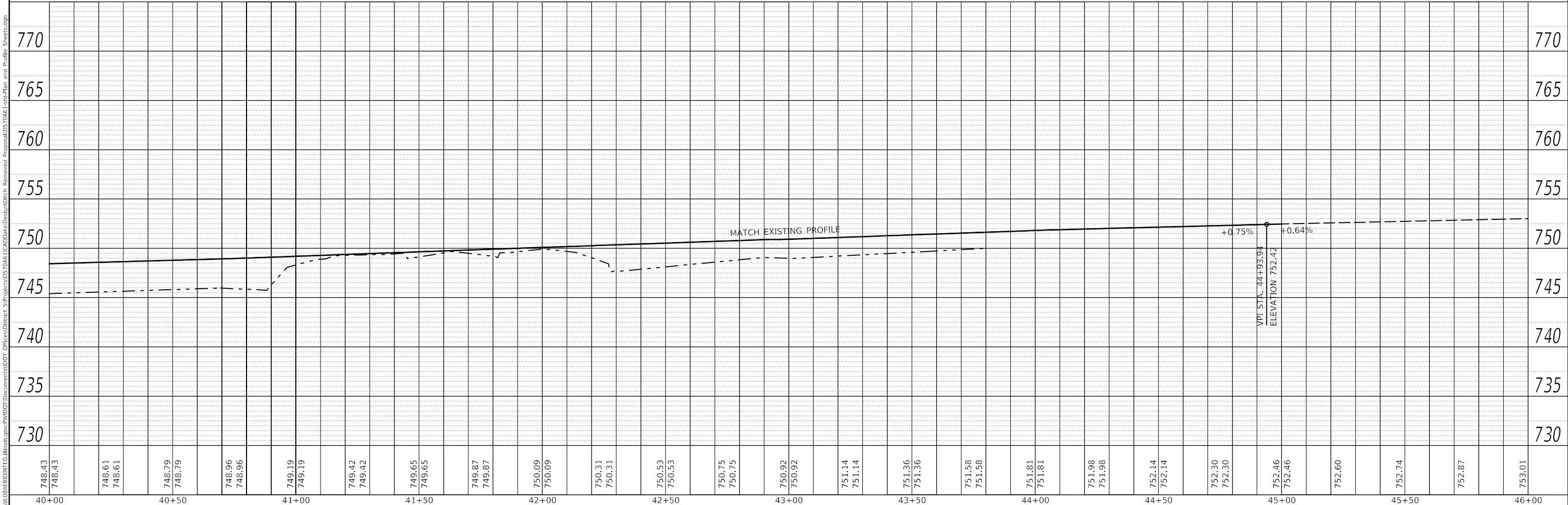


SEC. 21 - T 19 N - R 7 E - 3RD PM



PLAN	DATE
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
FILE NAME	
NO.	

PROFILE	DATE
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NO.	



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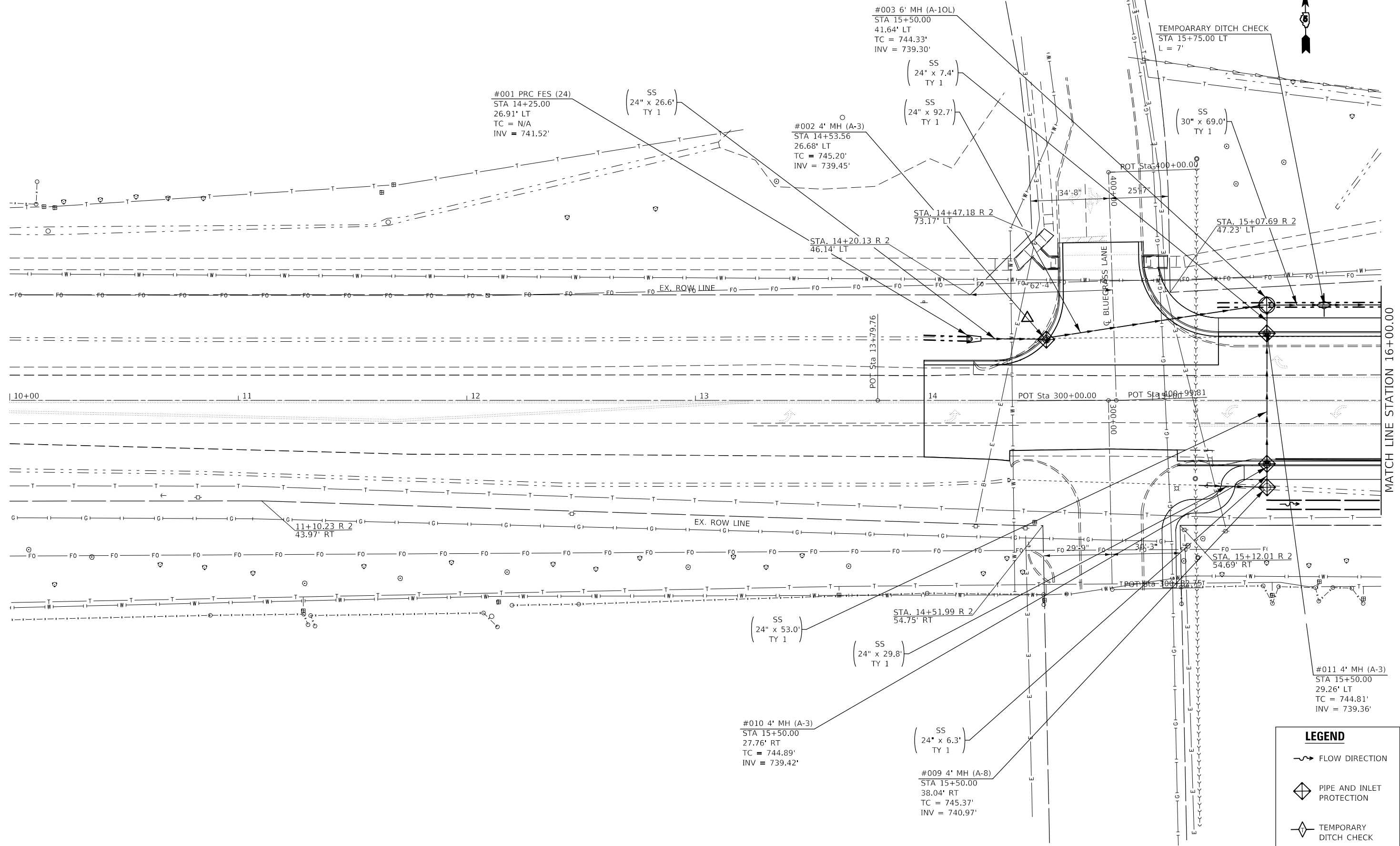
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PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BRADLEY AVENUE ROADWAY PLAN & PROFILE
SCALE: 1" = 20' SHEET 6 OF 6 SHEETS STA. 40+00.00 TO STA. 44+53.18

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 45
CONTRACT NO. 70A61			ILLINOIS FED. AID PROJECT	

SEC. 21 - T 19 N - R 7 E - 3RD PM



MATCH LINE STATION 16+00.00

LEGEND	
	FLOW DIRECTION
	PIPE AND INLET PROTECTION
	TEMPORARY DITCH CHECK

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PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

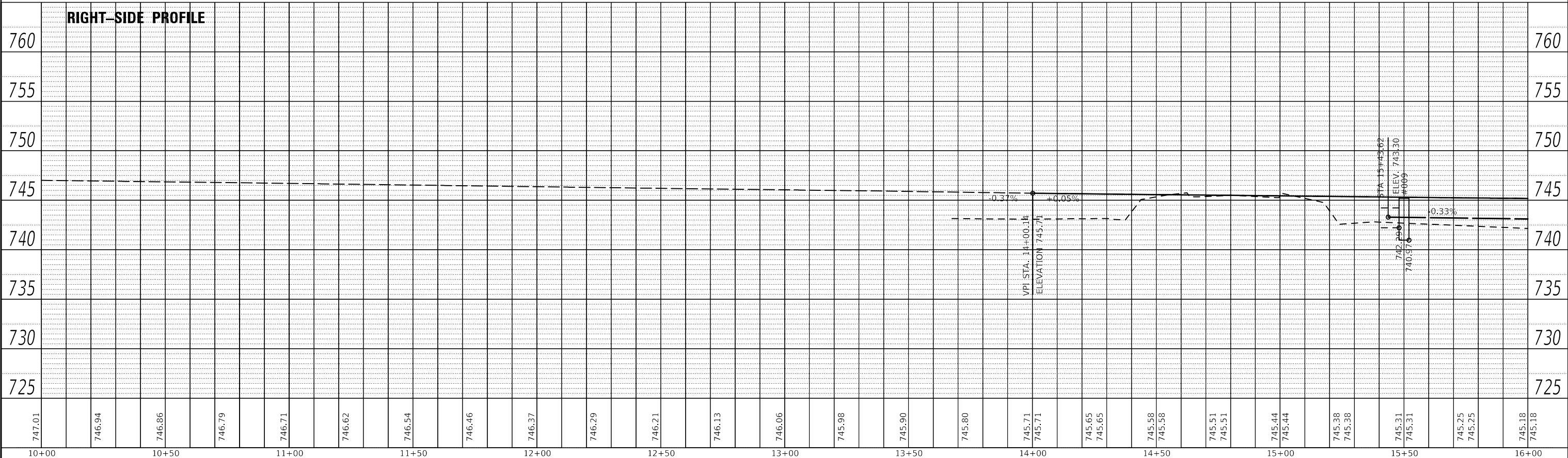
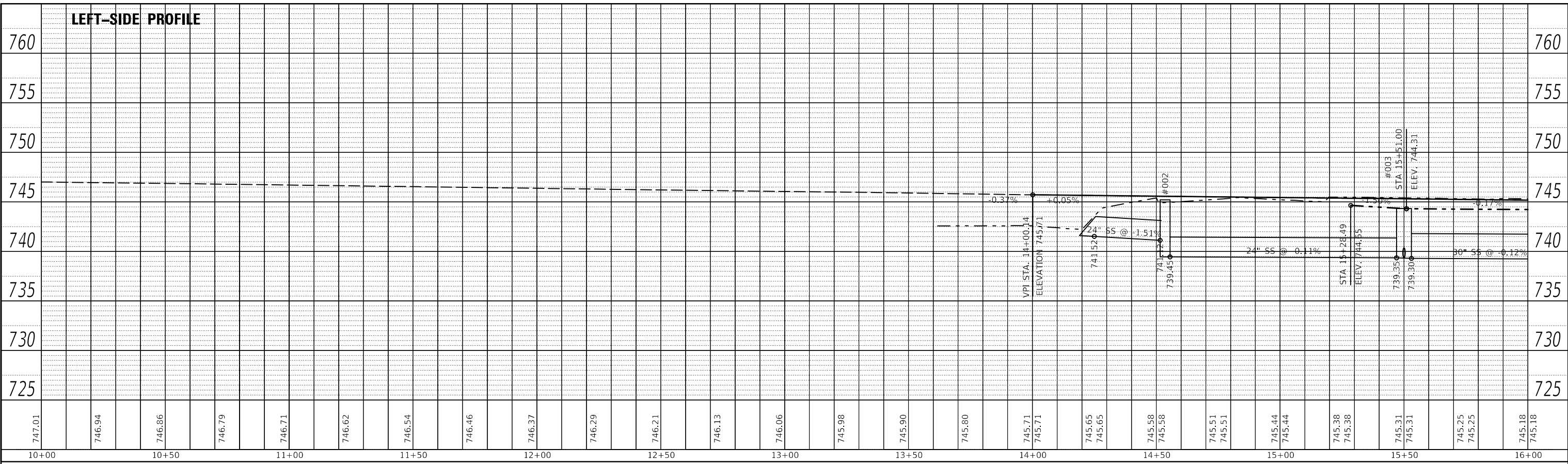
BRADLEY AVENUE DRAINAGE PLAN & PROFILE	
SCALE: 1" = 20'	SHEET 1 OF 12 SHEETS
STA. 14+00.00	TO STA. 16+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	46
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	GRADES CHECKED		
	STRUCTURE NOTATION		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATION		
	CADD FILE NAME		

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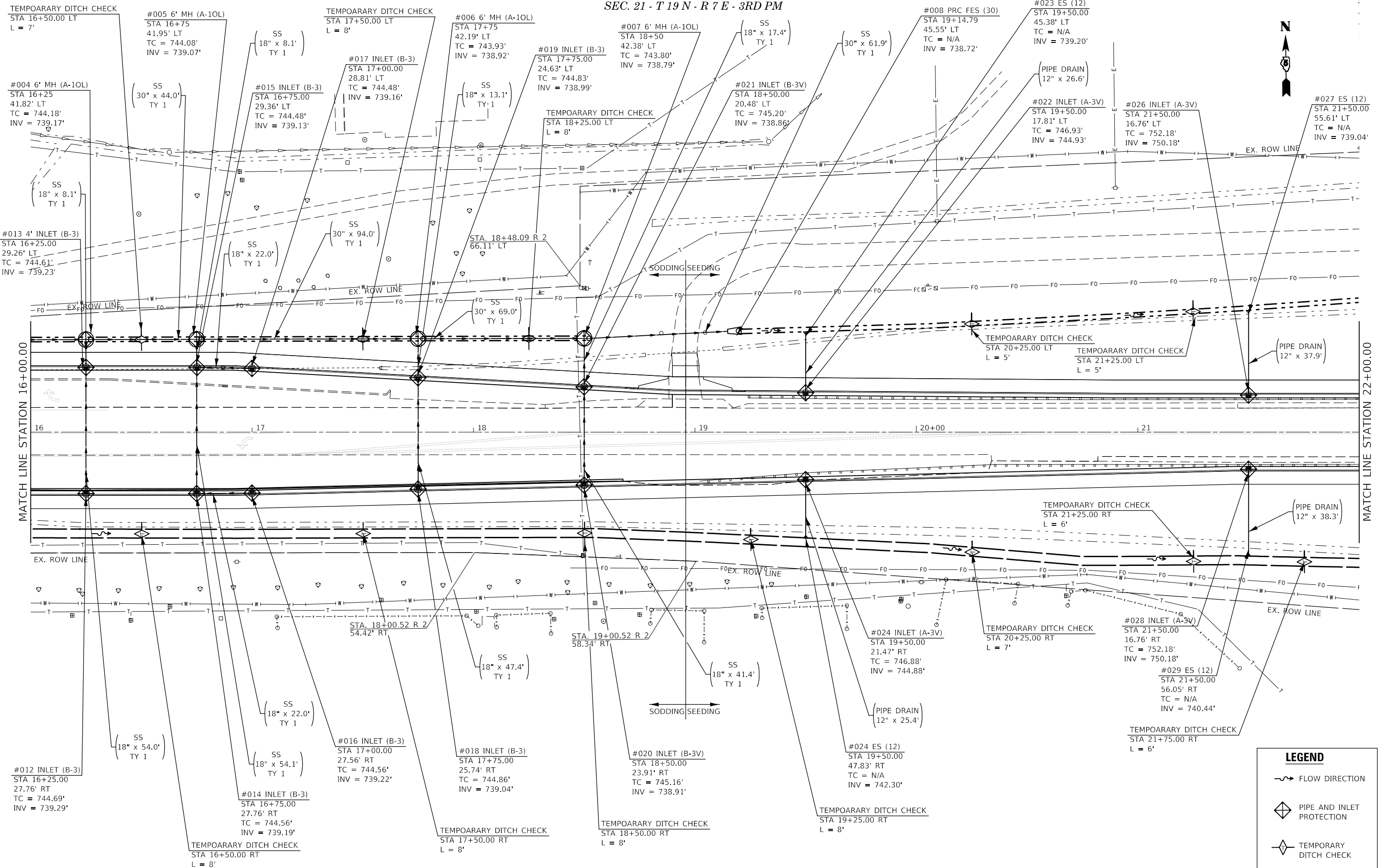
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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BRADLEY AVENUE DRAINAGE PLAN & PROFILE			
SCALE: 1" = 20'	SHEET 2	OF 12 SHEETS	STA. 14+00.00 TO STA. 16+00.00

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 47
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A61	

SEC. 21 - T 19 N - R 7 E - 3RD PM



LEGEND

- FLOW DIRECTION
- PIPE AND INLET PROTECTION
- TEMPORARY DITCH CHECK

MODEL: s:\MODELNAME
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	DRAWN -	REVISED -
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PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

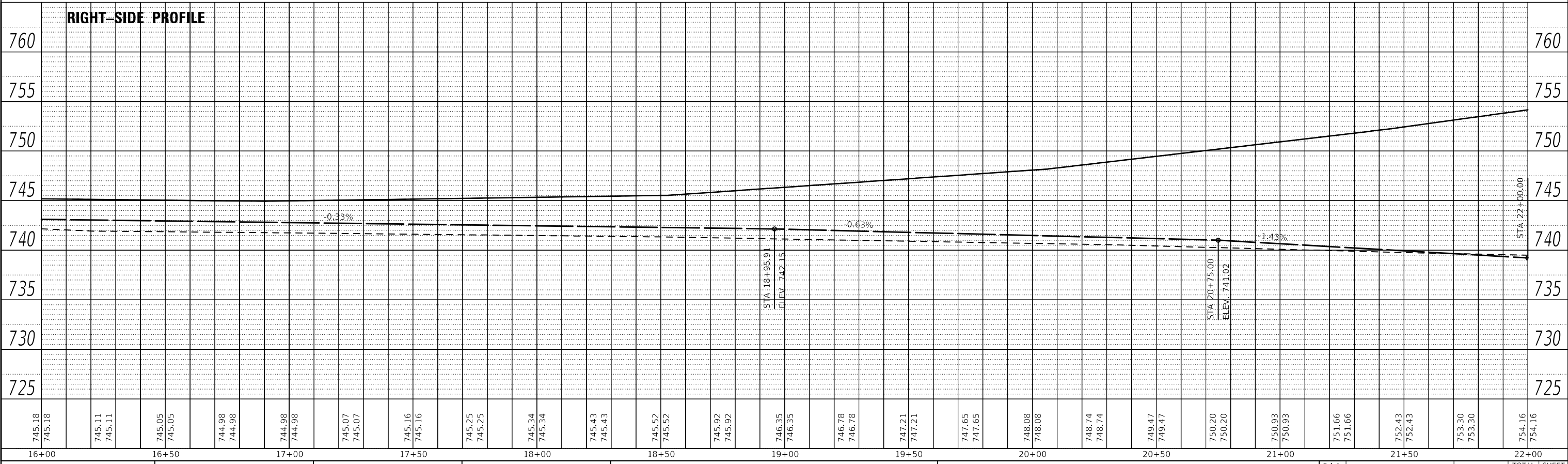
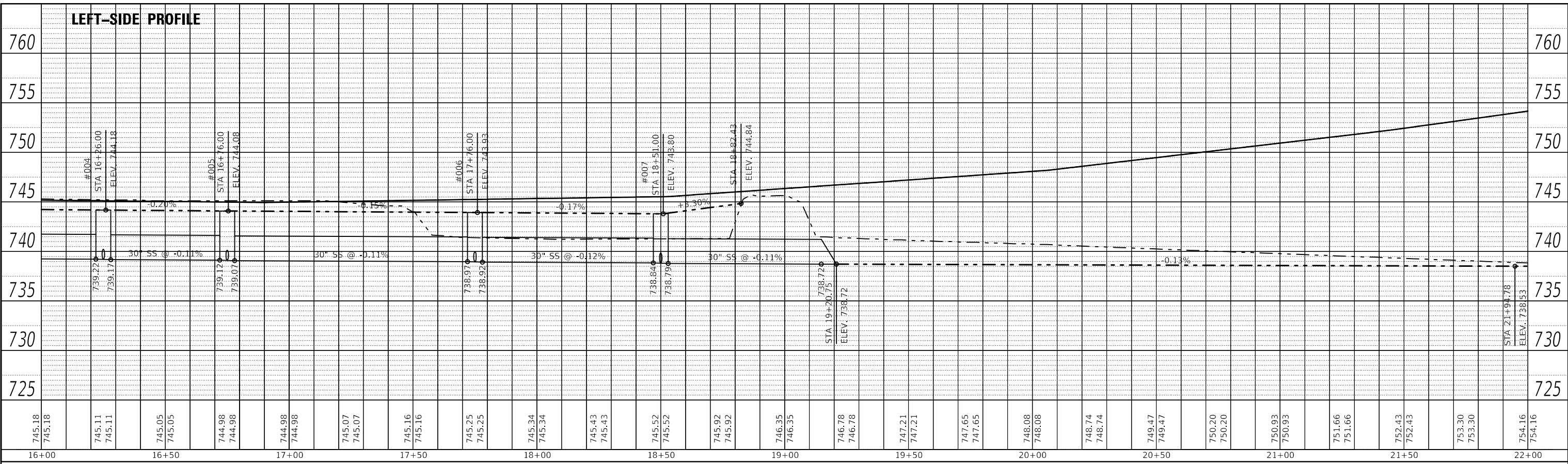
BRADLEY AVENUE DRAINAGE PLAN & PROFILE
 SCALE: 1" = 20' SHEET 3 OF 12 SHEETS STA. 16+00.00 TO STA. 22+00.00

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 48
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	GRADES CHECKED		
	STRUCTURE NOTATION		
	CAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATION		
	CAD FILE NAME		

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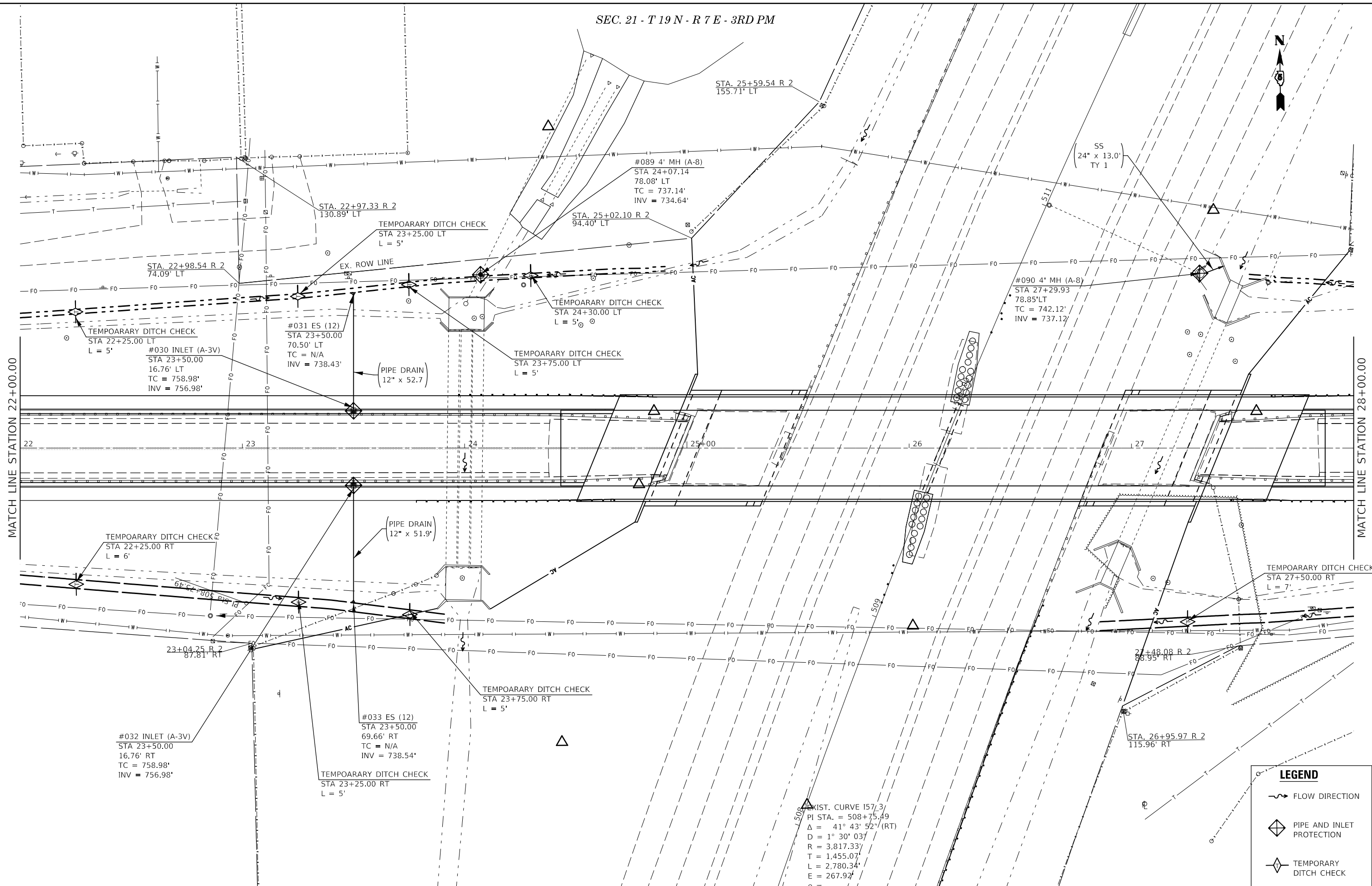
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	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BRADLEY AVENUE DRAINAGE PLAN & PROFILE	
SCALE: 1" = 20'	SHEET 4 OF 12 SHEETS
STA. 16+00.00	TO STA. 22+00.00

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 49
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SEC. 21 - T 19 N - R 7 E - 3RD PM



MATCH LINE STATION 22+00.00

MATCH LINE STATION 28+00.00

LEGEND	
	FLOW DIRECTION
	PIPE AND INLET PROTECTION
	TEMPORARY DITCH CHECK

EXIST. CURVE I57.3/
 PI STA. = 508+75.49
 $\Delta = 41^\circ 43' 52''$ (RT)
 $D = 1^\circ 30' 03''$
 $R = 3,817.33'$
 $T = 1,455.07'$
 $L = 2,780.34'$
 $E = 267.92'$
 $e =$

MODEL: ST0061.MXD
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 PROJECT: 10-33BR
 DATE: 10/19/2018

USER NAME = PiersonTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

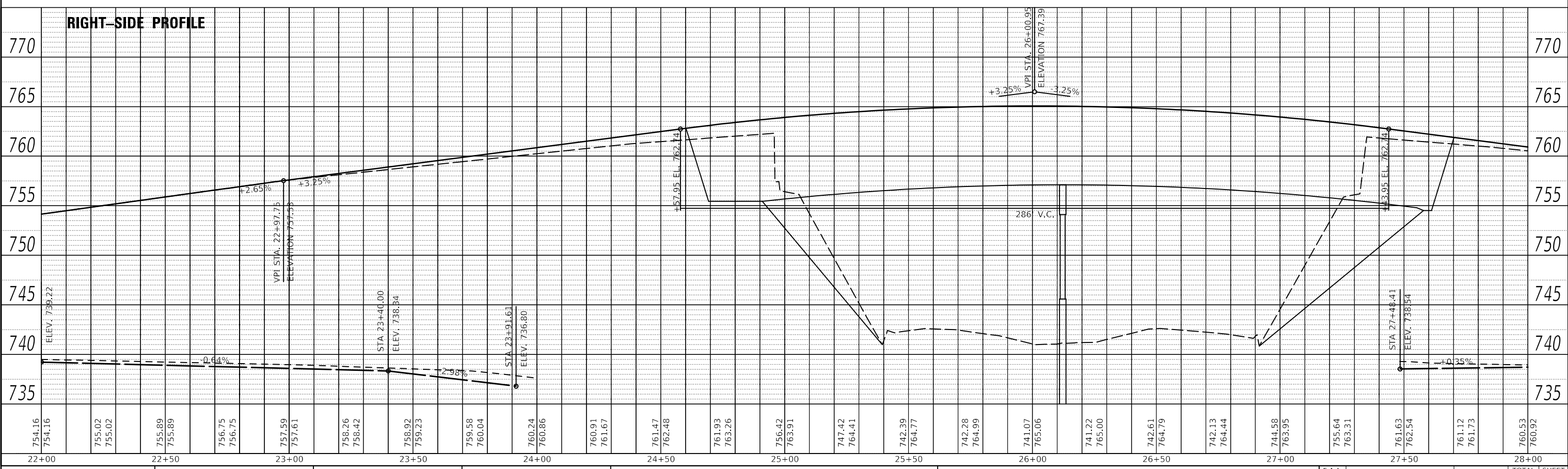
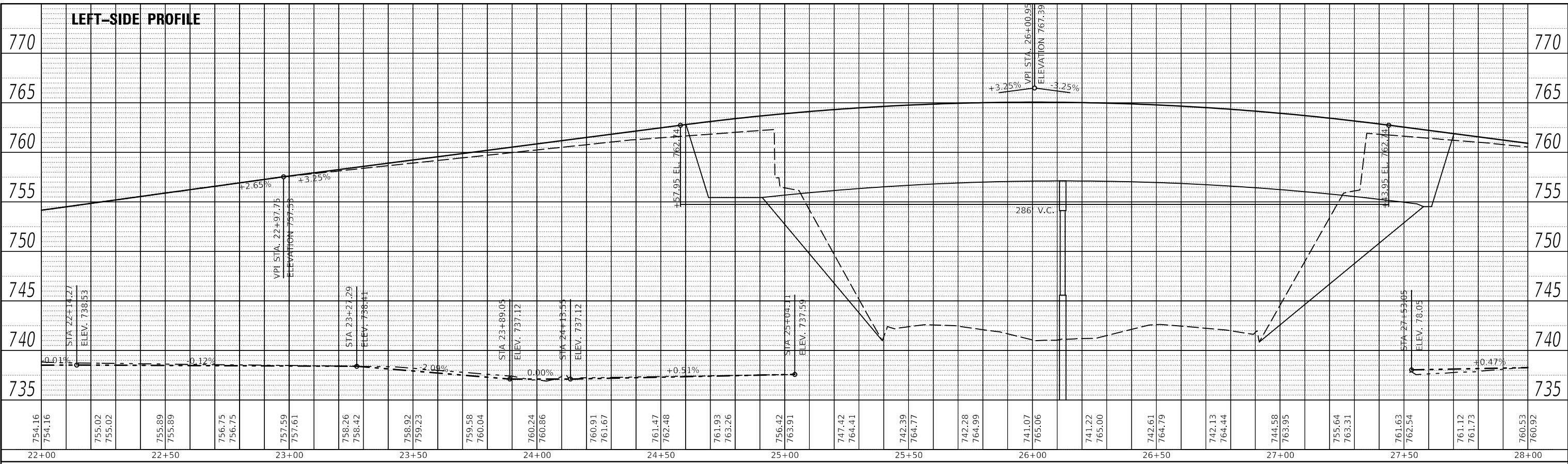
BRADLEY AVENUE DRAINAGE PLAN & PROFILE
 SCALE: 1" = 20'
 SHEET 5 OF 12 SHEETS
 STA. 22+00.00 TO STA. 28+00.00

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 50
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A61	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	GRADE		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATION		
	NO.		

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	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

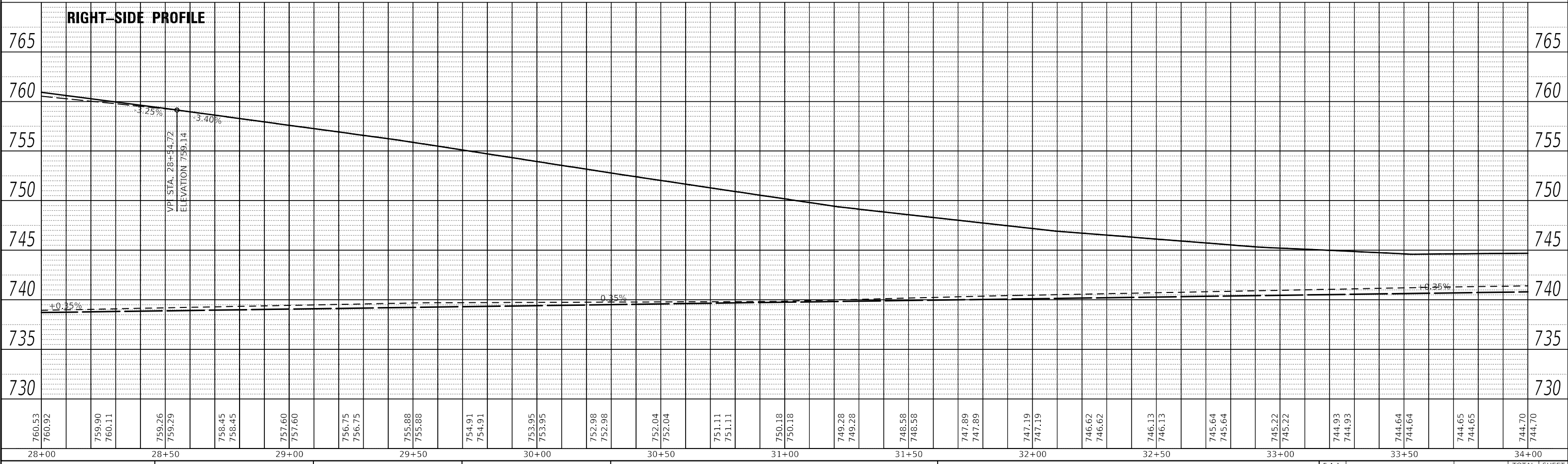
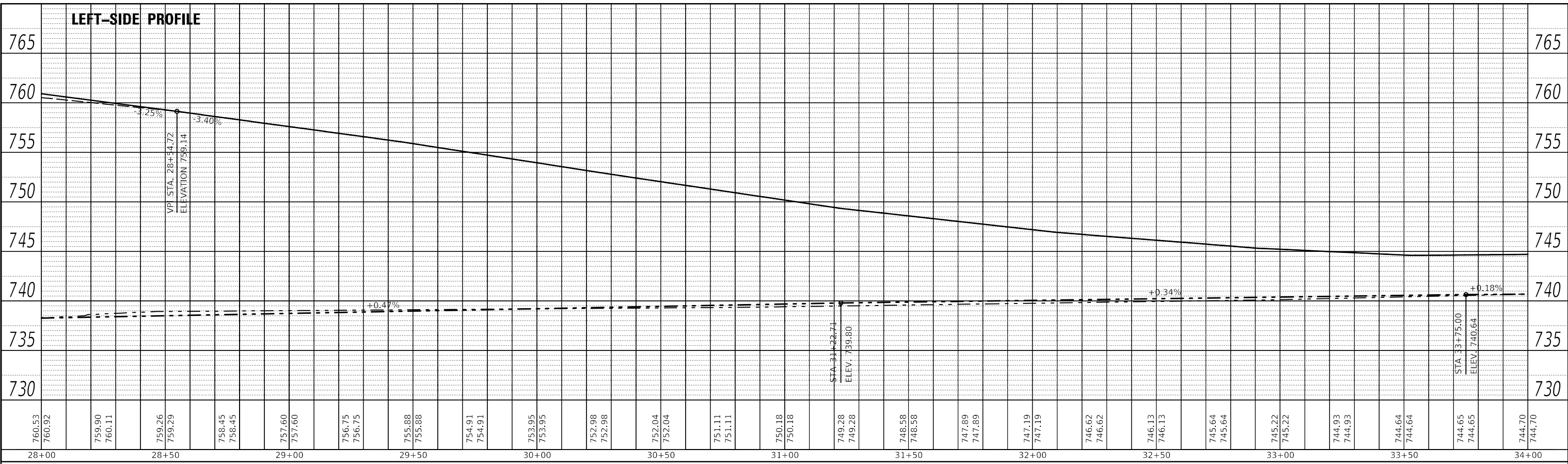
BRADLEY AVENUE DRAINAGE PLAN & PROFILE			
SCALE: 1" = 20'	SHEET 6	OF 12 SHEETS	STA. 22+00.00 TO STA. 28+00.00

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 51
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
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	GRADES CHECKED		
	STRUCTURE NOTATIONS CRWD		
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	CAD FILE NAME		

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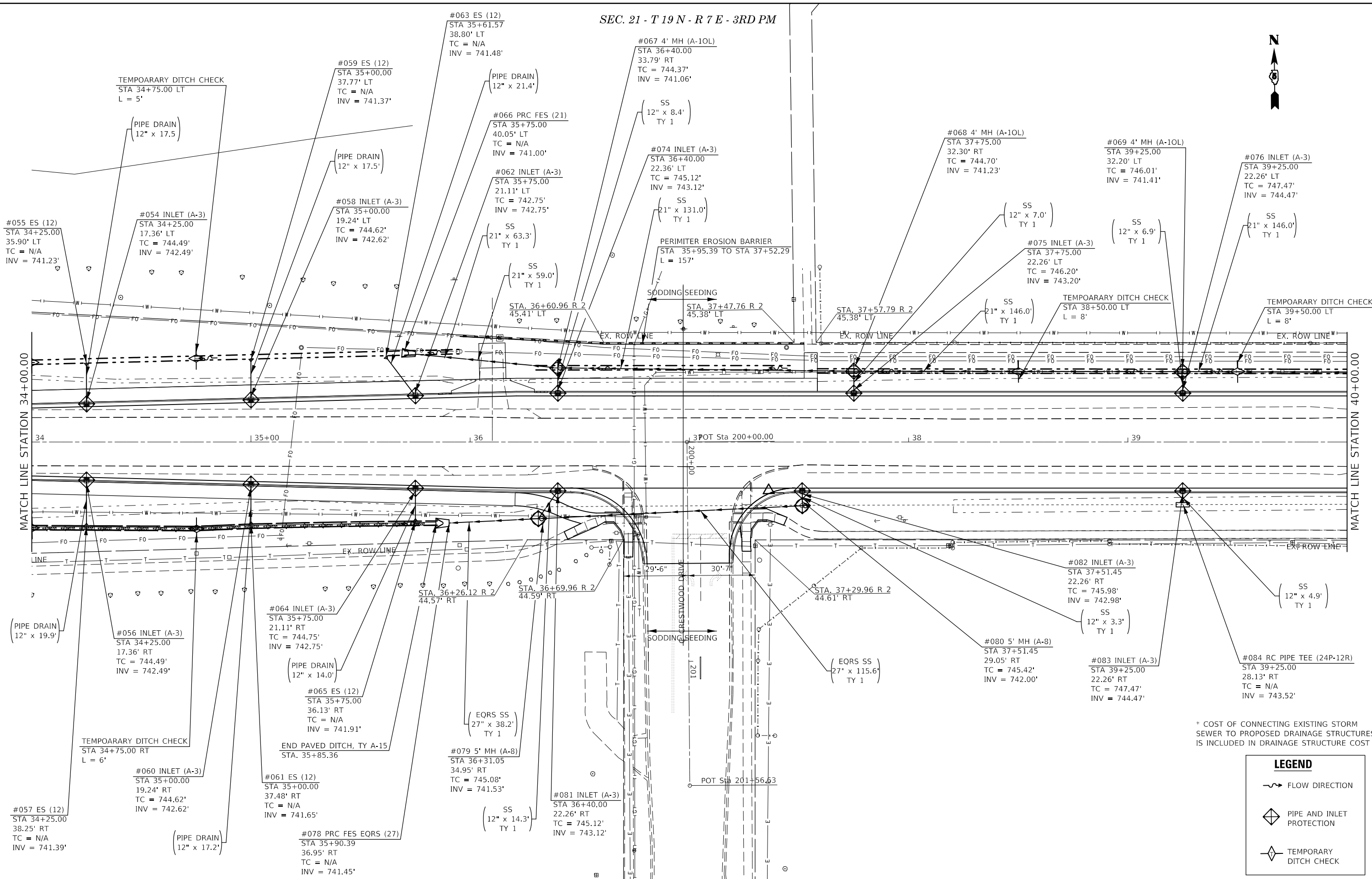
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PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BRADLEY AVENUE DRAINAGE PLAN & PROFILE			
SCALE: 1" = 20'	SHEET 8	OF 12 SHEETS	STA. 28+00.00 TO STA. 34+00.00

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 53
CONTRACT NO. 70A61				
ILLINOIS		FED. AID PROJECT		

SEC. 21 - T 19 N - R 7 E - 3RD PM



* COST OF CONNECTING EXISTING STORM SEWER TO PROPOSED DRAINAGE STRUCTURES IS INCLUDED IN DRAINAGE STRUCTURE COST

LEGEND

- FLOW DIRECTION
- PIPE AND INLET PROTECTION
- TEMPORARY DITCH CHECK

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

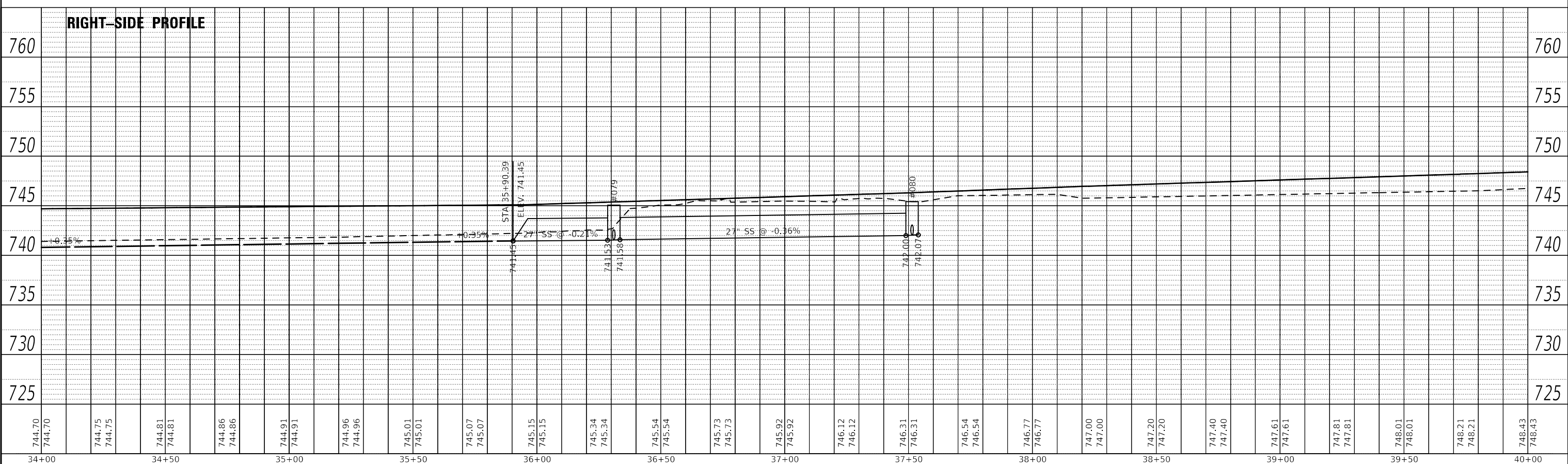
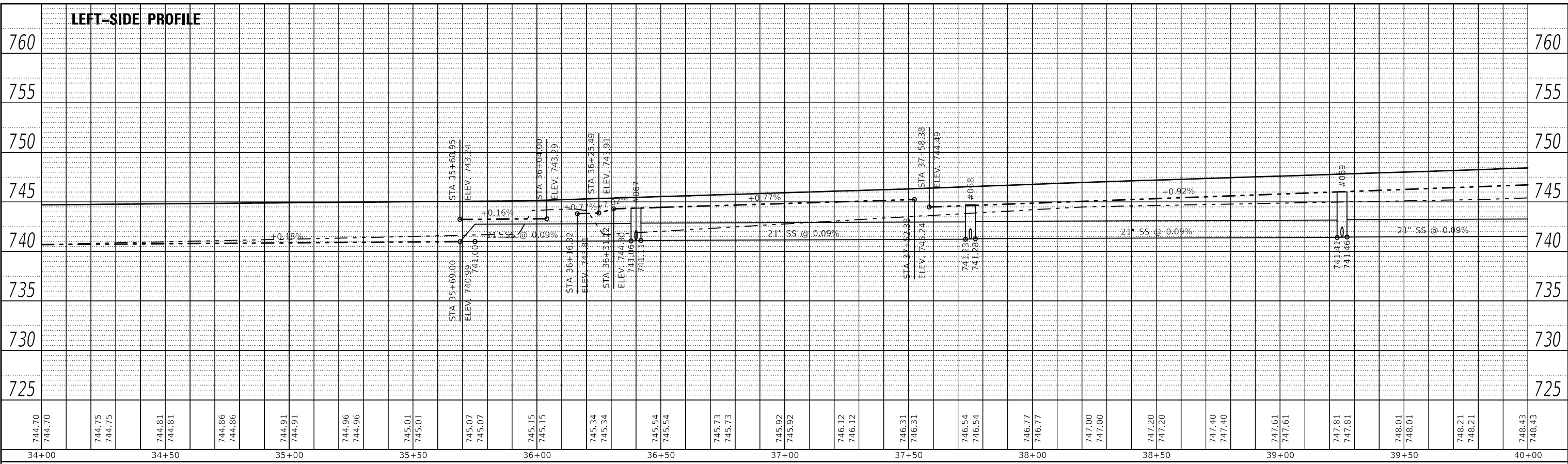
BRADLEY AVENUE DRAINAGE PLAN & PROFILE
 SCALE: 1" = 20' SHEET 9 OF 12 SHEETS STA. 34+00.00 TO STA. 40+00.00

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 54
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	GRADES CHECKED		
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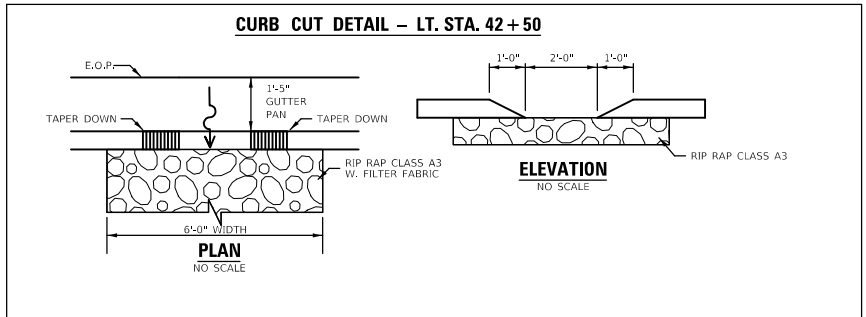
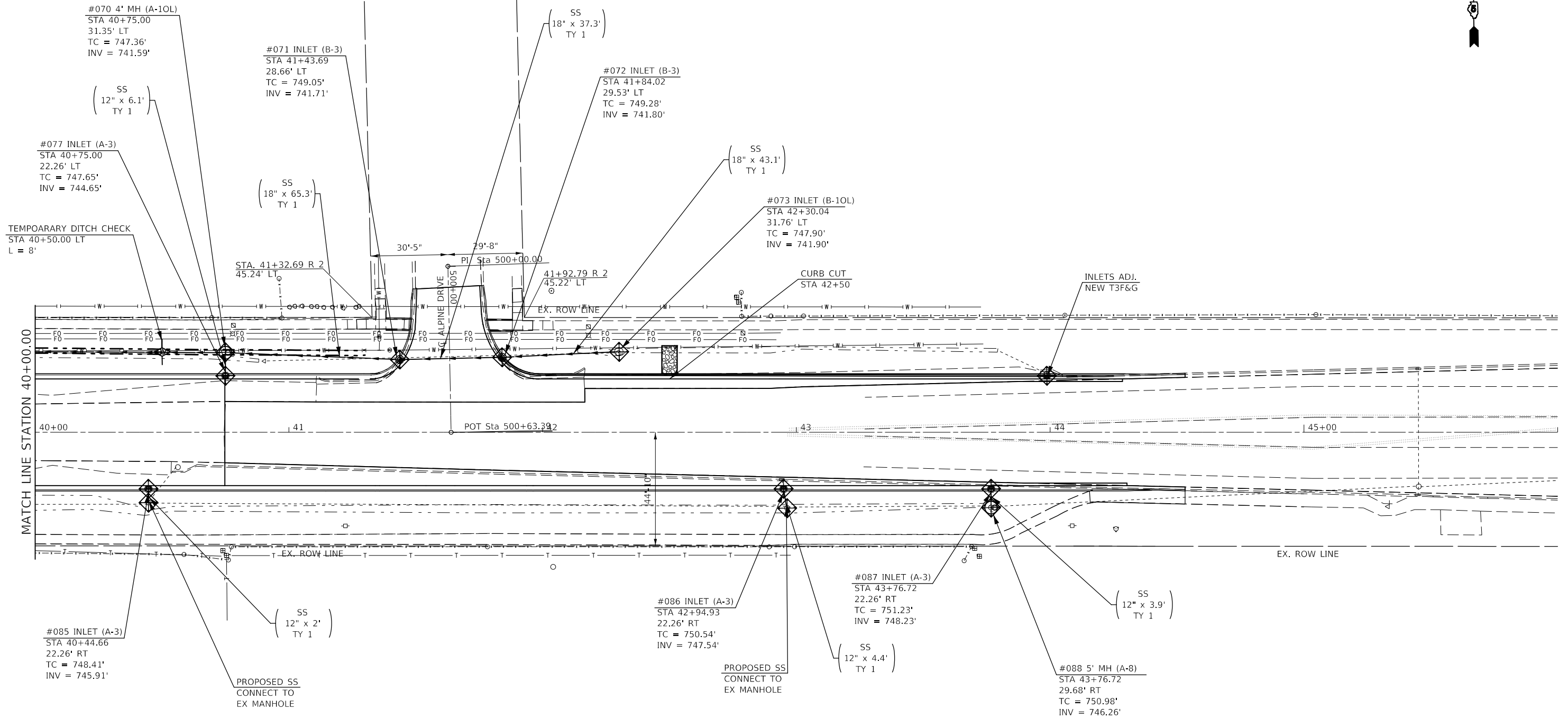


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PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BRADLEY AVENUE DRAINAGE PLAN & PROFILE
 SCALE: 1" = 20' SHEET 10 OF 12 SHEETS STA. 34+00.00 TO STA. 40+00.00

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 55
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				



* COST OF CONNECTING EXISTING STORM SEWER TO PROPOSED DRAINAGE STRUCTURES IS INCLUDED IN DRAINAGE STRUCTURE COST

LEGEND	
	FLOW DIRECTION
	PIPE AND INLET PROTECTION
	TEMPORARY DITCH CHECK

MODEL: \\MODELNAME
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 PROJECT: 10-33BR
 DATE: 10/18/2018

USER NAME = PERSONTJ	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

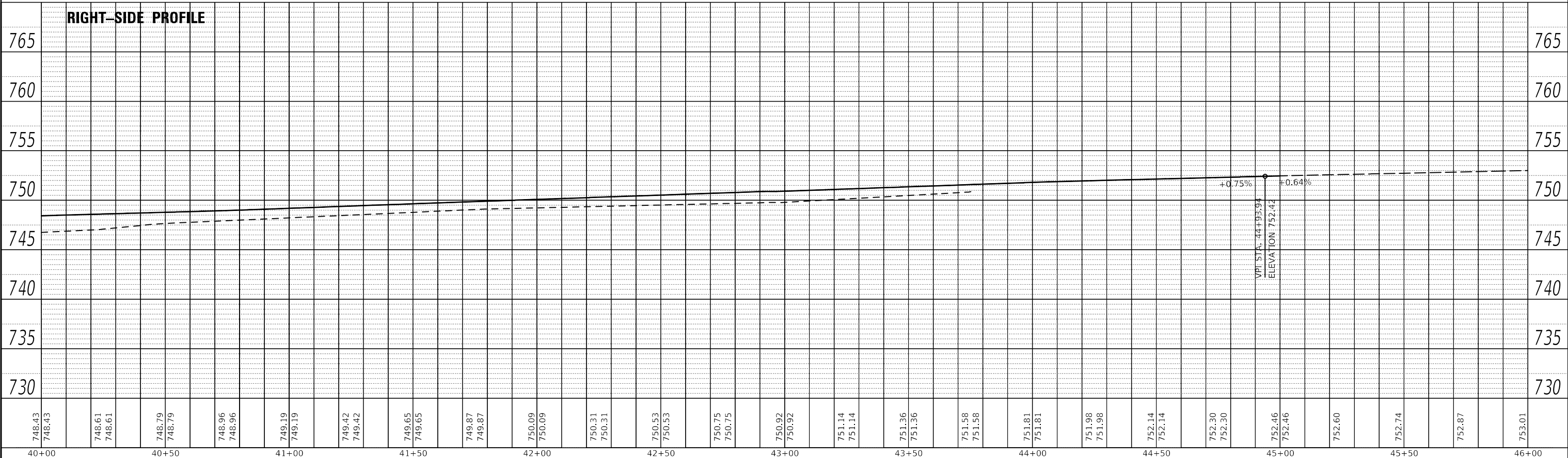
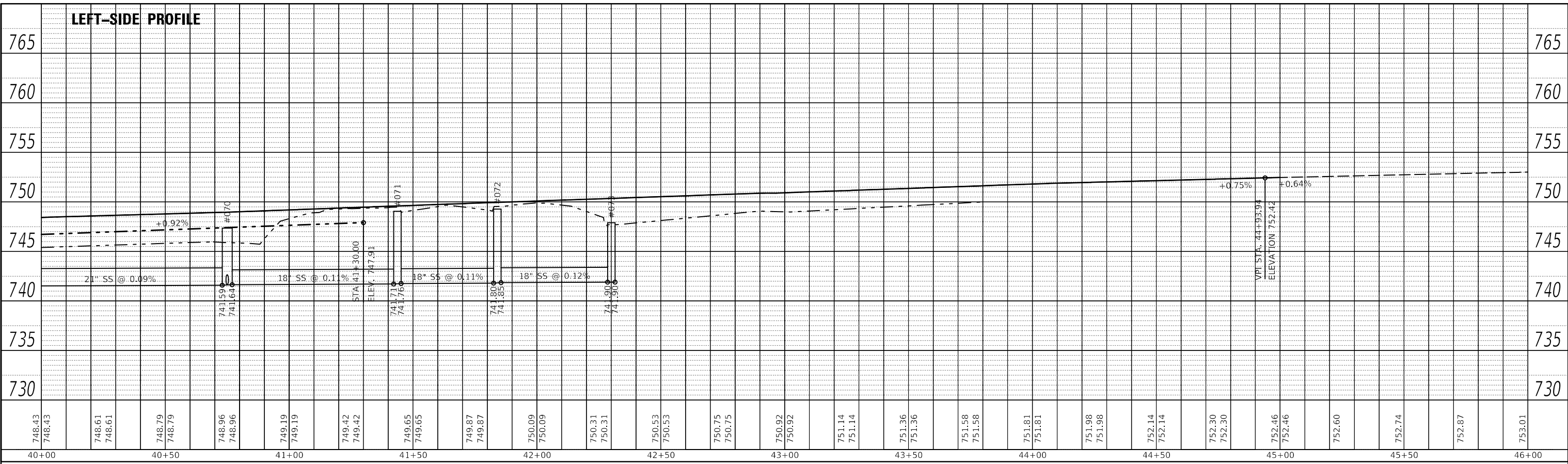
BRADLEY AVENUE DRAINAGE PLAN & PROFILE	
SCALE: 1" = 20'	SHEET 11 OF 12 SHEETS
STA. 40+00.00	TO STA. 44+53.18

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 56
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
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	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
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NOTE BOOK NO.	GRADES CHECKED		
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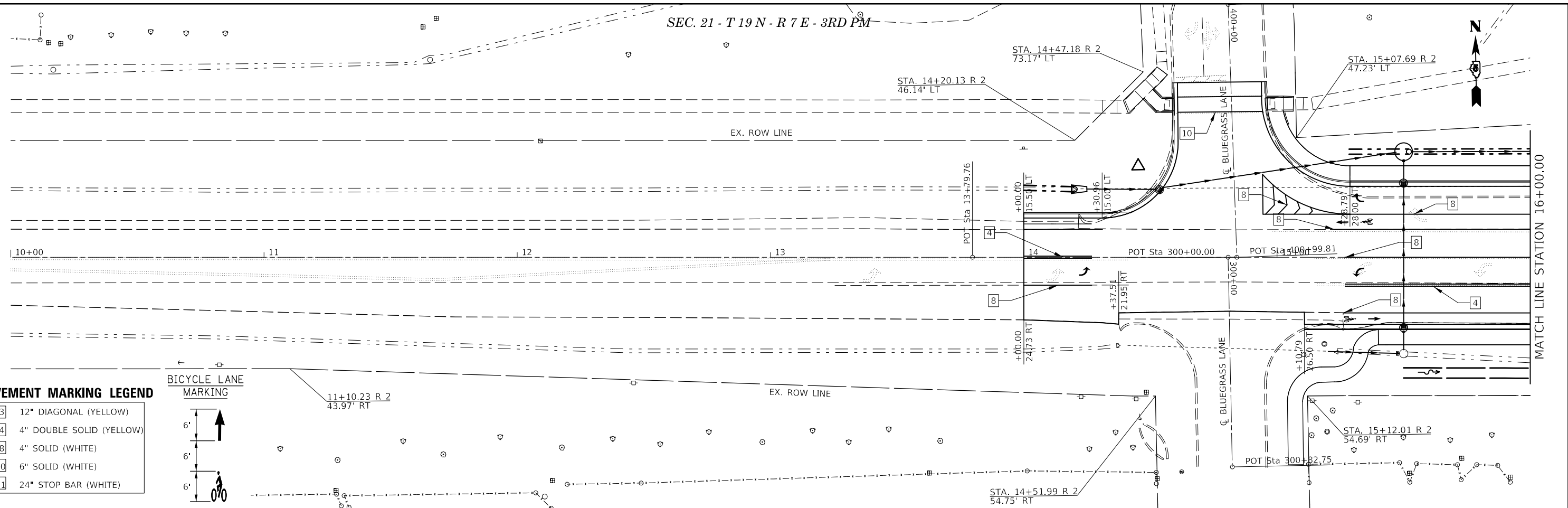
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PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BRADLEY AVENUE DRAINAGE PLAN & PROFILE
 SCALE: 1" = 20' SHEET 12 OF 12 SHEETS STA. 40+00.00 TO STA. 44+53.18

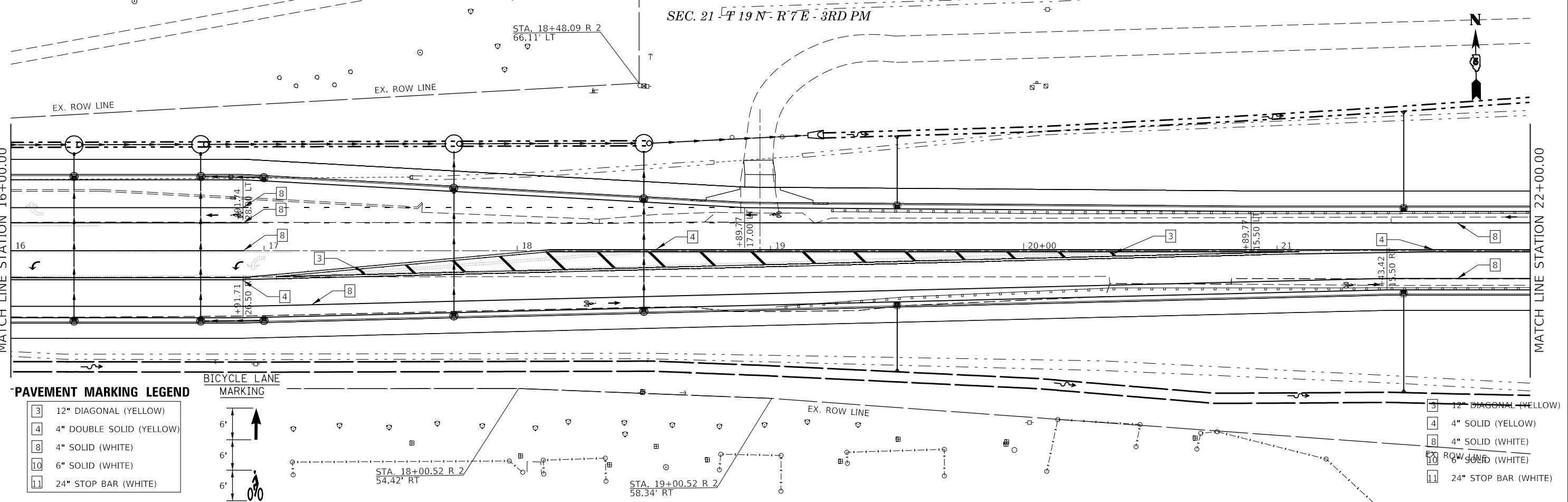
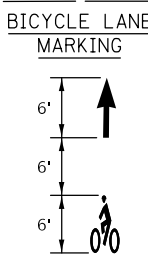
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	57
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

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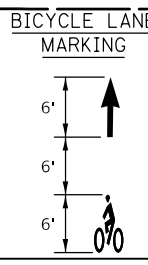
PAVEMENT MARKING LEGEND

3	12" DIAGONAL (YELLOW)
4	4" DOUBLE SOLID (YELLOW)
8	4" SOLID (WHITE)
10	6" SOLID (WHITE)
11	24" STOP BAR (WHITE)



PAVEMENT MARKING LEGEND

3	12" DIAGONAL (YELLOW)
4	4" DOUBLE SOLID (YELLOW)
8	4" SOLID (WHITE)
10	6" SOLID (WHITE)
11	24" STOP BAR (WHITE)



PAVEMENT MARKING LEGEND

3	12" DIAGONAL (YELLOW)
4	4" SOLID (YELLOW)
8	4" SOLID (WHITE)
10	6" SOLID (WHITE)
11	24" STOP BAR (WHITE)

USER NAME = PERSONTJ	DESIGNED -	REVISED -
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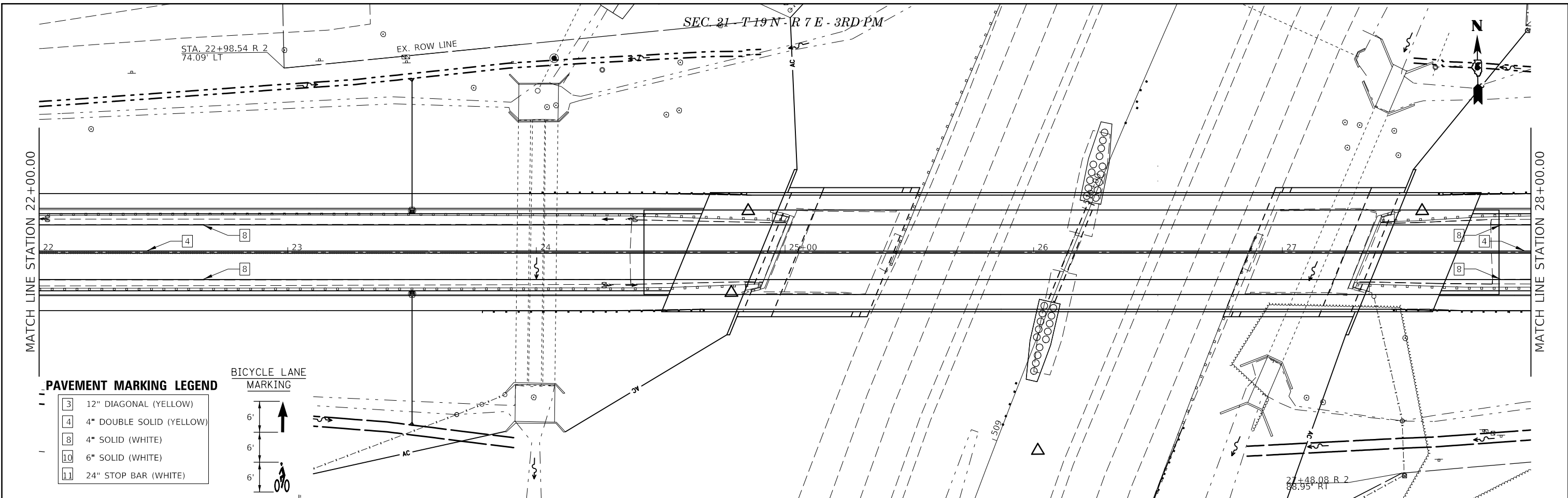
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BRADLEY AVENUE PAVEMENT STRIPING

SCALE: SHEET 1 OF 3 SHEETS STA. 14+00.00 TO STA. 22+00.00

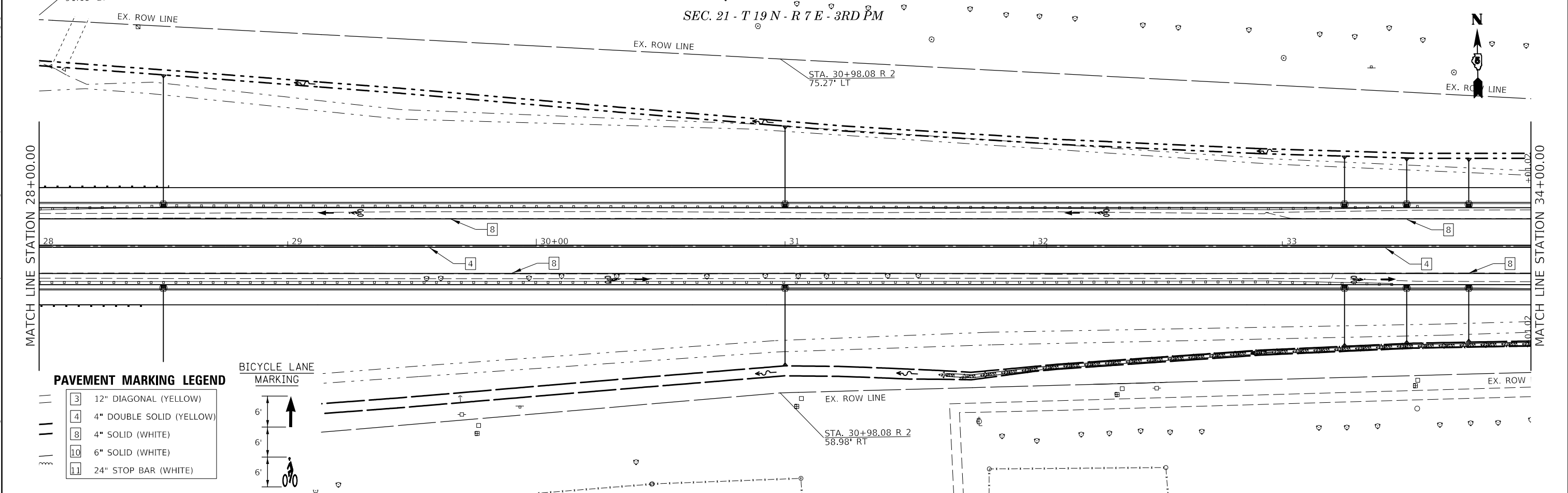
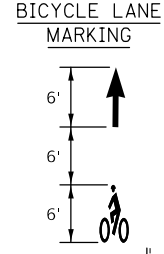
F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 58
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A61	

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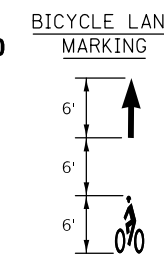
PAVEMENT MARKING LEGEND

3	12" DIAGONAL (YELLOW)
4	4" DOUBLE SOLID (YELLOW)
8	4" SOLID (WHITE)
10	6" SOLID (WHITE)
11	24" STOP BAR (WHITE)



PAVEMENT MARKING LEGEND

3	12" DIAGONAL (YELLOW)
4	4" DOUBLE SOLID (YELLOW)
8	4" SOLID (WHITE)
10	6" SOLID (WHITE)
11	24" STOP BAR (WHITE)



USER NAME = PERSONTJ
PLOT SCALE = 40.0000' / in.
PLOT DATE = 10/18/2018

DESIGNED -	REVISED -
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DATE -	REVISED -

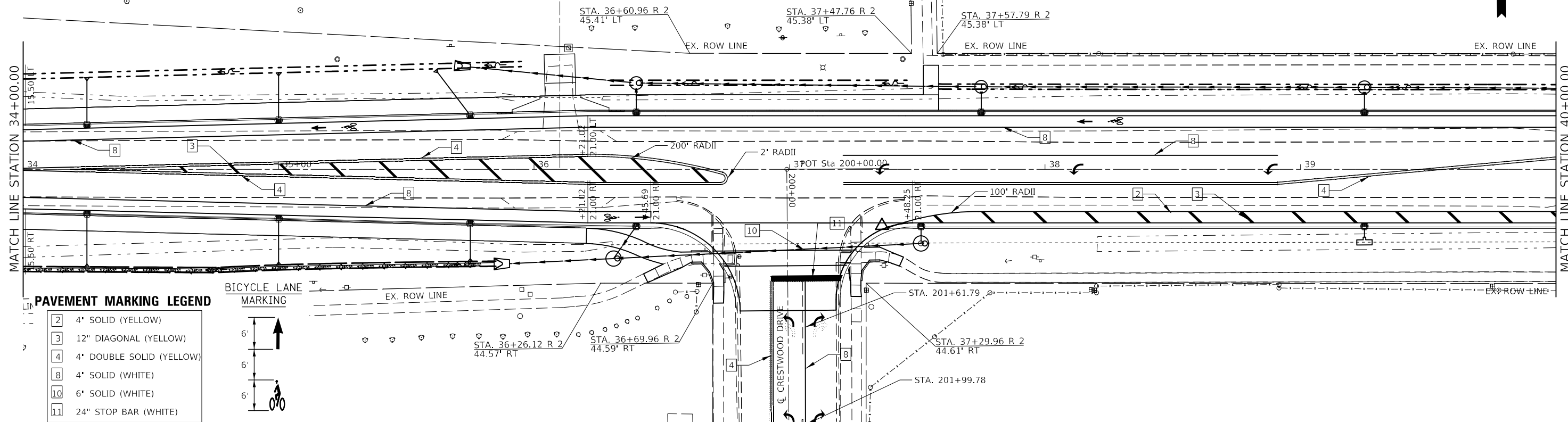
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BRADLEY AVENUE PAVEMENT STRIPING

SCALE: SHEET 2 OF 3 SHEETS STA. 22+00.00 TO STA. 34+00.00

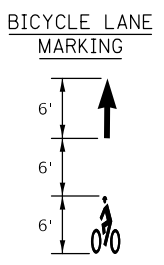
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	59
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SEC. 21 - T 19 N - R 7 E - 3RD PM

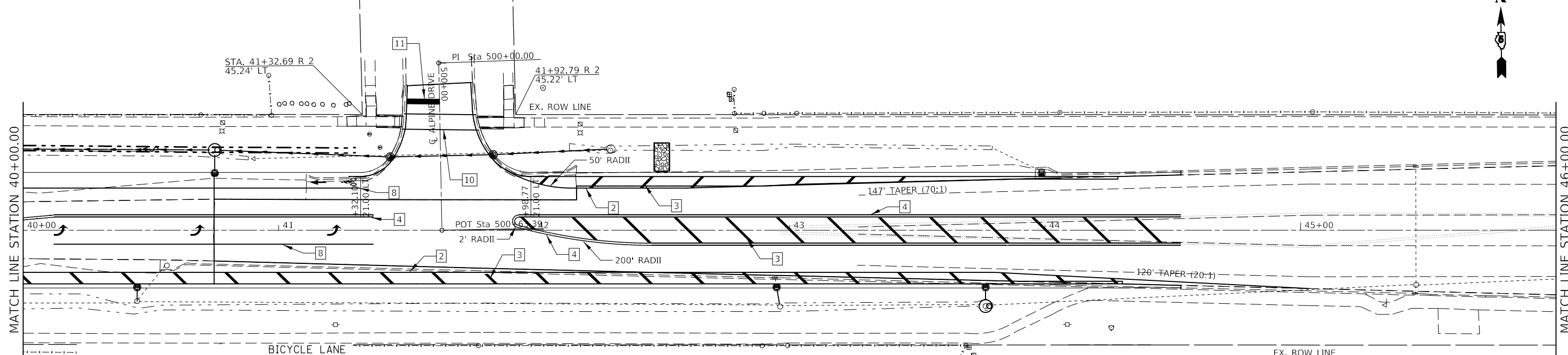


PAVEMENT MARKING LEGEND

2	4" SOLID (YELLOW)
3	12" DIAGONAL (YELLOW)
4	4" DOUBLE SOLID (YELLOW)
8	4" SOLID (WHITE)
10	6" SOLID (WHITE)
11	24" STOP BAR (WHITE)

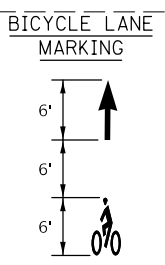


SEC. 21 - T 19 N - R 7 E - 3RD PM



PAVEMENT MARKING LEGEND

2	4" SOLID (YELLOW)
3	12" DIAGONAL (YELLOW)
4	4" DOUBLE SOLID (YELLOW)
8	4" SOLID (WHITE)
10	6" SOLID (WHITE)
11	24" STOP BAR (WHITE)



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PLOT SCALE = 40.0000' / in.
PLOT DATE = 10/18/2018

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BRADLEY AVENUE PAVEMENT STRIPING

SCALE: SHEET 3 OF 3 SHEETS STA. 34+00.00 TO STA. 44+53.18

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 60
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

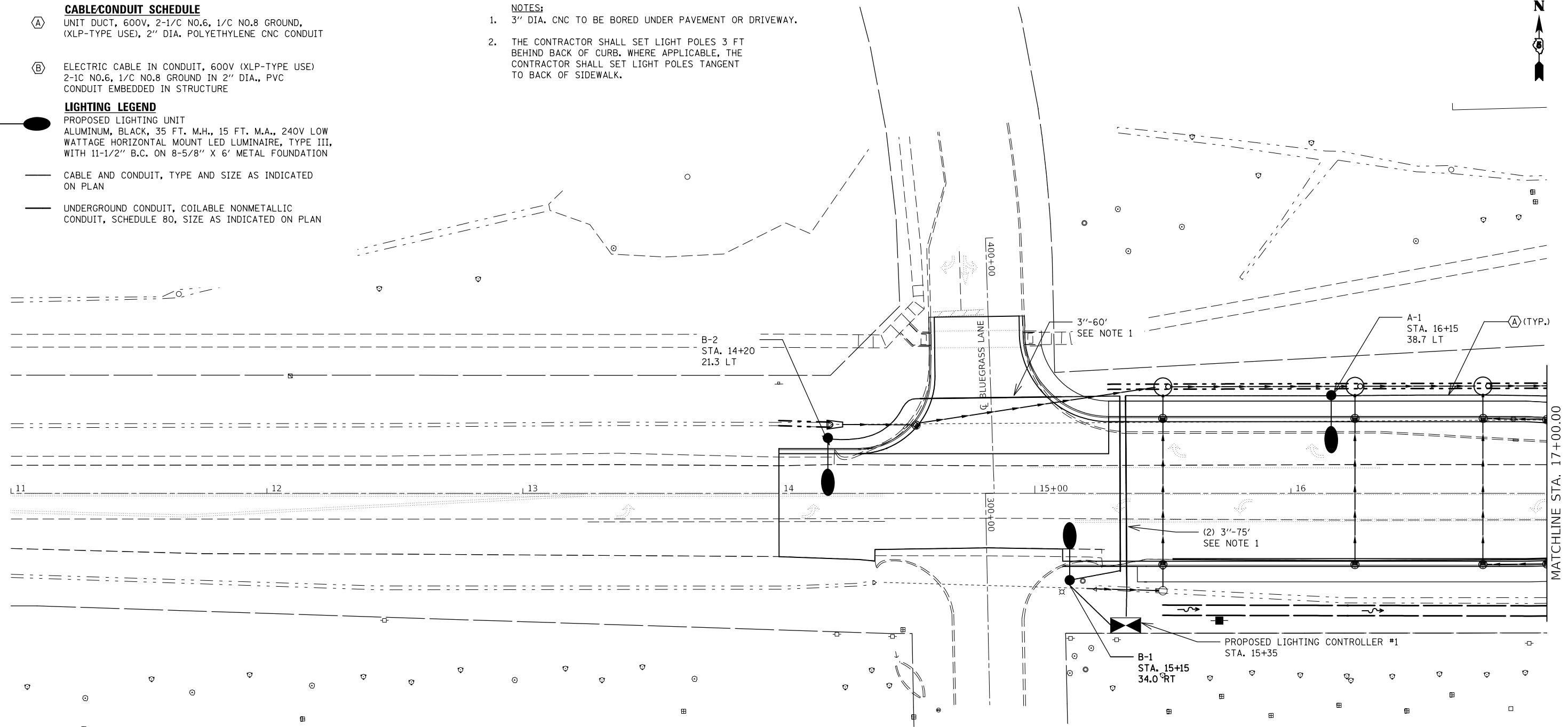
- CABLE/CONDUIT SCHEDULE**
- (A) UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE CNC CONDUIT
 - (B) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1C NO.6, 1/C NO.8 GROUND IN 2" DIA., PVC CONDUIT EMBEDDED IN STRUCTURE

LIGHTING LEGEND

PROPOSED LIGHTING UNIT
ALUMINUM, BLACK, 35 FT. M.H., 15 FT. M.A., 240V LOW WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE III, WITH 11-1/2" B.C. ON 8-5/8" X 6' METAL FOUNDATION

- CABLE AND CONDUIT, TYPE AND SIZE AS INDICATED ON PLAN
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SCHEDULE 80, SIZE AS INDICATED ON PLAN

- NOTES:**
1. 3" DIA. CNC TO BE BORED UNDER PAVEMENT OR DRIVEWAY.
 2. THE CONTRACTOR SHALL SET LIGHT POLES 3 FT BEHIND BACK OF CURB, WHERE APPLICABLE, THE CONTRACTOR SHALL SET LIGHT POLES TANGENT TO BACK OF SIDEWALK.



LIGHTING SUMMARY OF QUANTITIES

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	405
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	310
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	350
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	700
83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	17
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	68
X1400094	LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE	EACH	18
X8040102	ELECTRIC SERVICE INSTALLATION, SPECIAL	EACH	1
X8110458	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	20
X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1
X8300001	LIGHT POLE, SPECIAL	EACH	18
	UNIT DUCT WITH 2-1/C NO. 6 AND 1/C NO.8 GROUND, 600V (XLP-TYPE USE), 2" DIAMETER POLYETHYLENE	FOOT	3,240

- HIGHWAY STANDARDS**
- 812001 RACEWAY EMBEDDED IN STRUCTURE
 - 821101-02 LUMINAIRE WIRING IN POLE
 - 836001-03 LIGHT POLE FOUNDATION
 - 838001-01 BREAKAWAY DEVICES

MODEL: \\MODELNAME; FILE NAME: \\FILENAME; PROJECT: \\PROJECT; USER: \\USER; DATE: 10/19/2018

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	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING PLAN SHEETS

SCALE: 1" = 20' SHEET 1 OF 6 SHEETS STA. 14+00.00 TO STA. 16+00.00

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 61
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A61	



CABLE/CONDUIT SCHEDULE

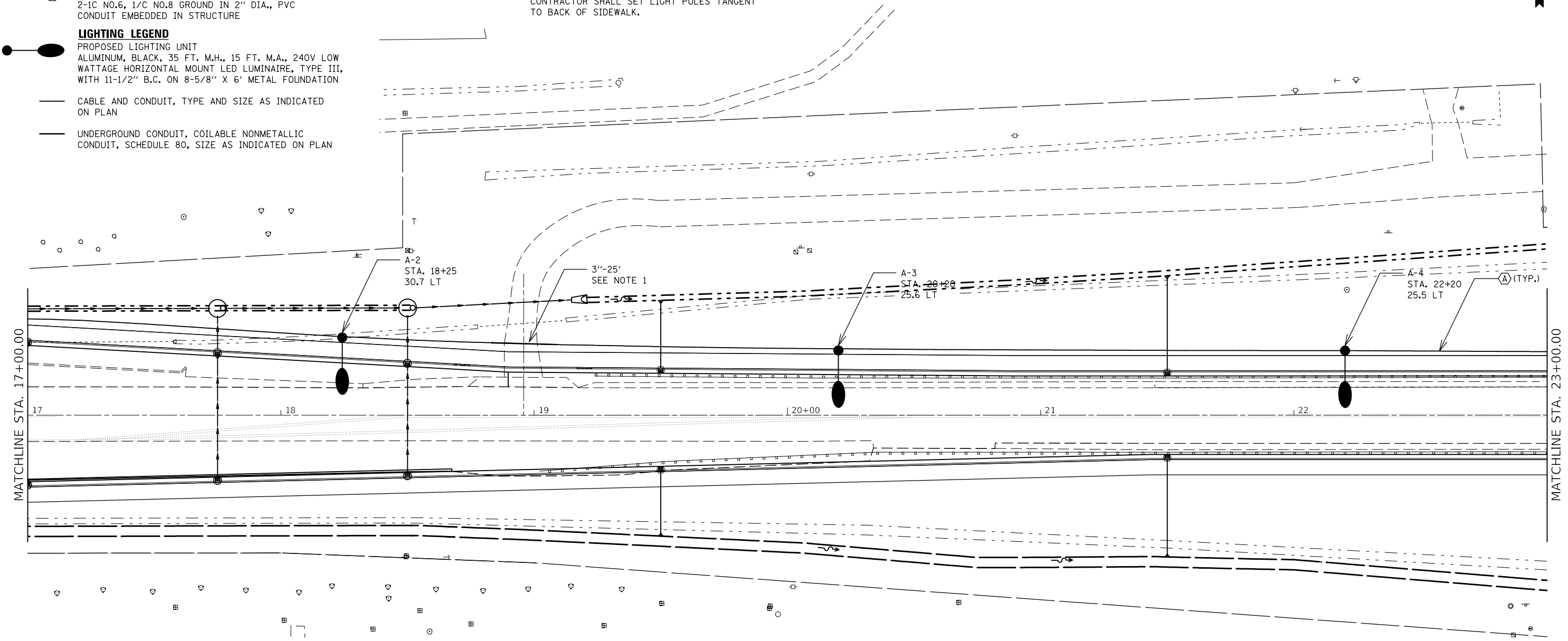
- (A) UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE CNC CONDUIT
- (B) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1C NO.6, 1/C NO.8 GROUND IN 2" DIA., PVC CONDUIT EMBEDDED IN STRUCTURE

LIGHTING LEGEND

PROPOSED LIGHTING UNIT
 ALUMINUM, BLACK, 35 FT. M.H., 15 FT. M.A., 240V LOW WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE III, WITH 11-1/2" B.C. ON 8-5/8" X 6' METAL FOUNDATION

- CABLE AND CONDUIT, TYPE AND SIZE AS INDICATED ON PLAN
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SCHEDULE 80, SIZE AS INDICATED ON PLAN

- NOTES:**
1. 3" DIA. CNC TO BE BORED UNDER PAVEMENT OR DRIVEWAY.
 2. THE CONTRACTOR SHALL SET LIGHT POLES 3 FT BEHIND BACK OF CURB. WHERE APPLICABLE, THE CONTRACTOR SHALL SET LIGHT POLES TANGENT TO BACK OF SIDEWALK.



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PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/19/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LIGHTING PLAN SHEETS	
SCALE: 1" = 20'	SHEET 2 OF 6 SHEETS
STA. 16+00.00	TO STA. 22+00.00

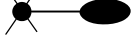
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	62
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

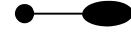


(A) CABLE/CONDUIT SCHEDULE
 UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND,
 (XLP-TYPE USE), 2" DIA. POLYETHYLENE CNC CONDUIT

(B) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE)
 2-1C NO.6, 1/C NO.8 GROUND IN 2" DIA., PVC
 CONDUIT EMBEDDED IN STRUCTURE

LIGHTING LEGEND

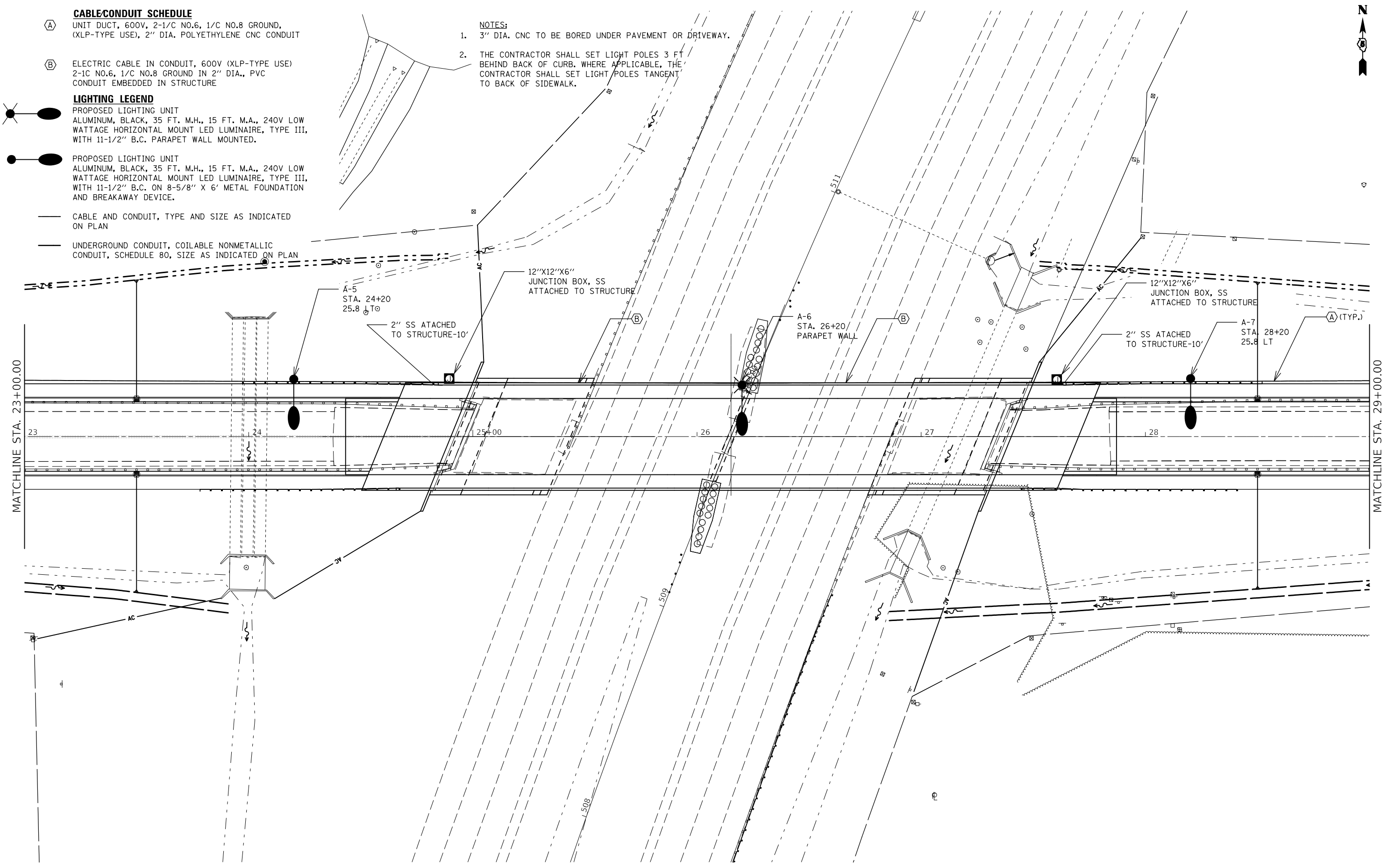
 PROPOSED LIGHTING UNIT
 ALUMINUM, BLACK, 35 FT. M.H., 15 FT. M.A., 240V LOW
 WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE III,
 WITH 11-1/2" B.C. PARAPET WALL MOUNTED.

 PROPOSED LIGHTING UNIT
 ALUMINUM, BLACK, 35 FT. M.H., 15 FT. M.A., 240V LOW
 WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE III,
 WITH 11-1/2" B.C. ON 8-5/8" X 6' METAL FOUNDATION
 AND BREAKAWAY DEVICE.

— CABLE AND CONDUIT, TYPE AND SIZE AS INDICATED
 ON PLAN

— UNDERGROUND CONDUIT, COILABLE NONMETALLIC
 CONDUIT, SCHEDULE 80, SIZE AS INDICATED ON PLAN

- NOTES:**
- 3" DIA. CNC TO BE BORED UNDER PAVEMENT OR DRIVEWAY.
 - THE CONTRACTOR SHALL SET LIGHT POLES 3 FT
 BEHIND BACK OF CURB. WHERE APPLICABLE, THE
 CONTRACTOR SHALL SET LIGHT POLES TANGENT
 TO BACK OF SIDEWALK.



MODEL: \\MODELNAME
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 DATE: 10/19/2018

USER NAME = PiersonTJ	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/19/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LIGHTING PLAN SHEETS

SCALE: 1" = 20' SHEET 3 OF 6 SHEETS STA. 22+00.00 TO STA. 28+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	63
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				



CABLE/CONDUIT SCHEDULE

- (A) UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE CNC CONDUIT
- (B) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1C NO.6, 1/C NO.8 GROUND IN 2" DIA., PVC CONDUIT EMBEDDED IN STRUCTURE

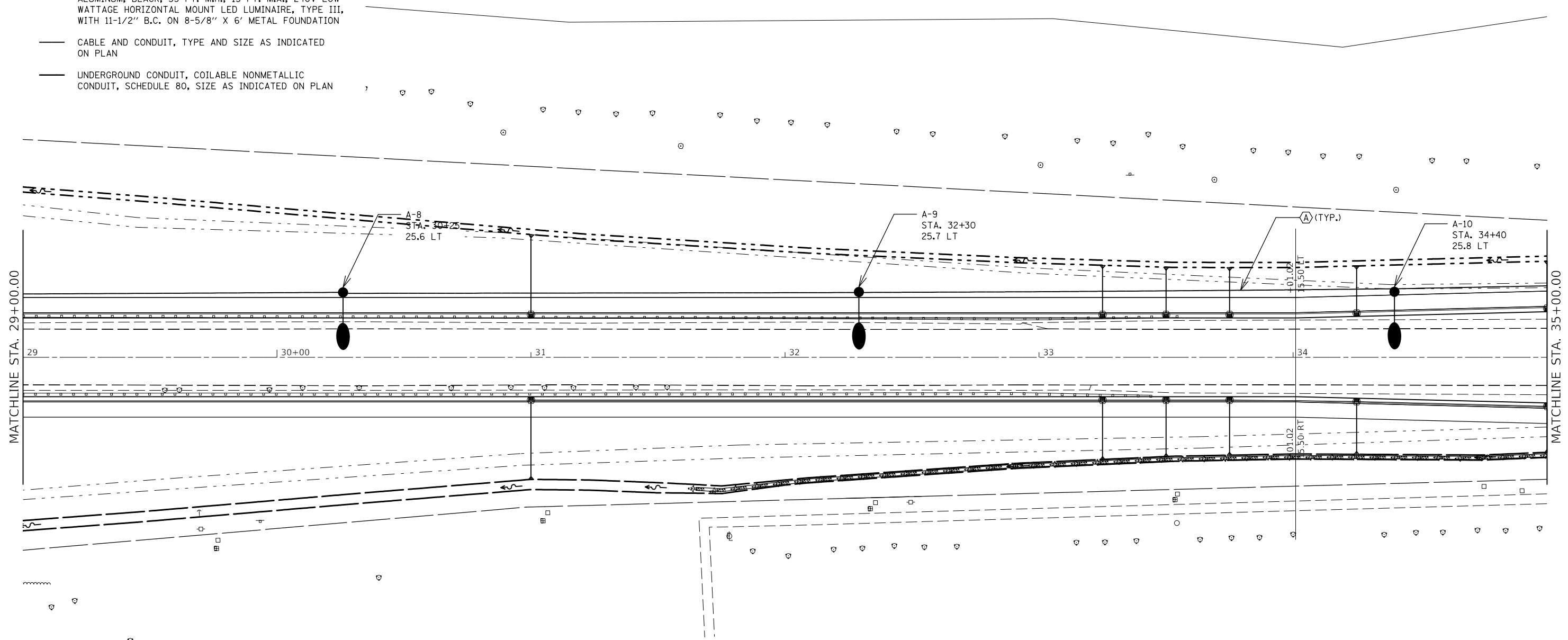
LIGHTING LEGEND

PROPOSED LIGHTING UNIT
ALUMINUM, BLACK, 35 FT. M.H., 15 FT. M.A., 240V LOW WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE III, WITH 11-1/2" B.C. ON 8-5/8" X 6' METAL FOUNDATION

- CABLE AND CONDUIT, TYPE AND SIZE AS INDICATED ON PLAN
- UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SCHEDULE 80, SIZE AS INDICATED ON PLAN

NOTES:

1. 4" DIA. CNC TO BE BORED UNDER PAVEMENT.
2. THE CONTRACTOR SHALL SET LIGHT POLES 3 FT BEHIND BACK OF CURB, WHERE APPLICABLE, THE CONTRACTOR SHALL SET LIGHT POLES TANGENT TO BACK OF SIDEWALK.



MODEL: \\MODELNAME
FILE NAME: \\FILENAME
PROJECT: \\PROJECT
DATE: 10/19/2018

USER NAME = PiersonTJ	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 10/19/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING PLAN SHEETS	
SCALE: 1" = 20'	SHEET 4 OF 6 SHEETS
STA. 28+00.00	TO STA. 34+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	64
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				



CABLE/CONDUIT SCHEDULE

(A) UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE CNC CONDUIT

(B) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1C NO.6, 1/C NO.8 GROUND IN 2" DIA., PVC CONDUIT EMBEDDED IN STRUCTURE

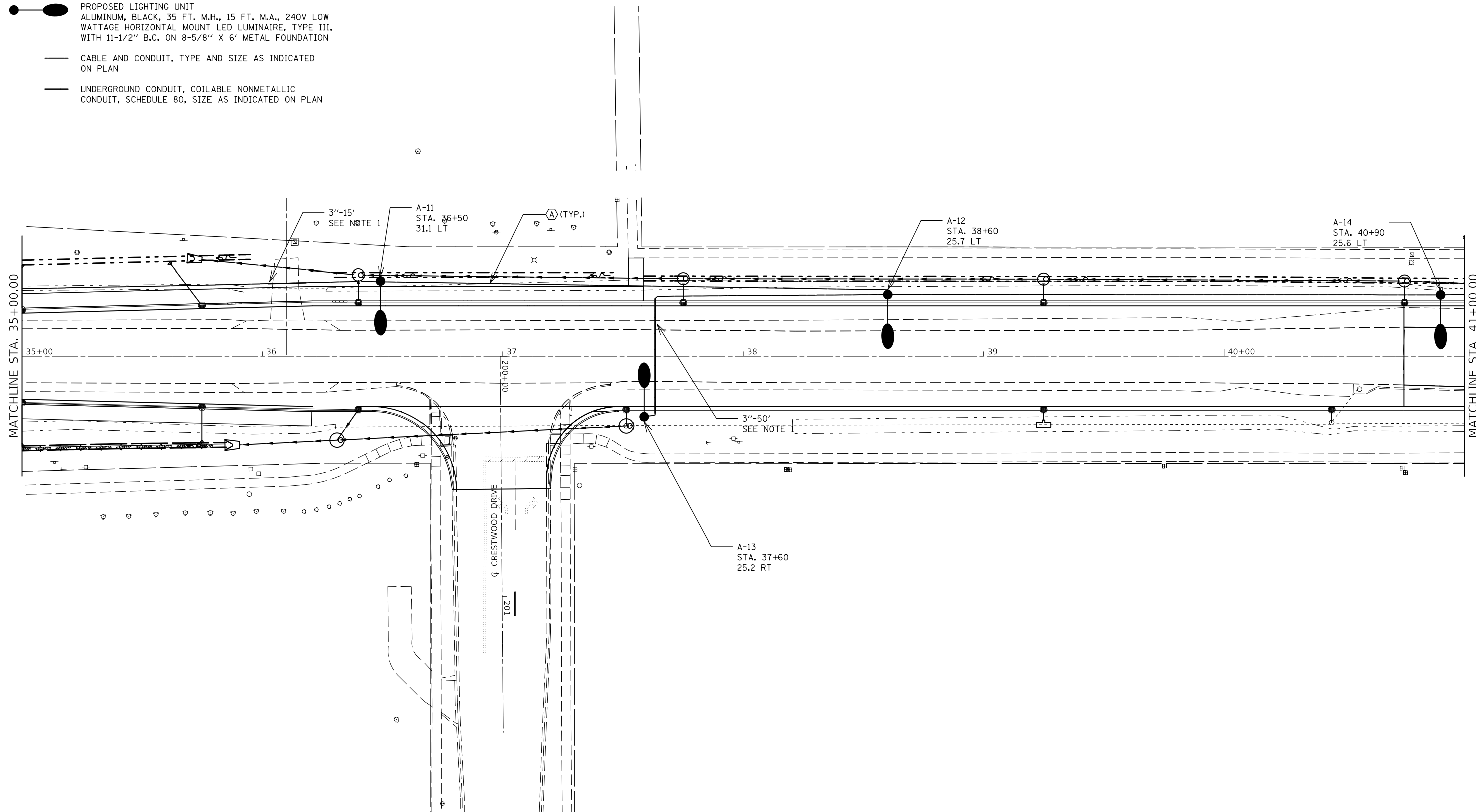
LIGHTING LEGEND

PROPOSED LIGHTING UNIT
ALUMINUM, BLACK, 35 FT. M.H., 15 FT. M.A., 240V LOW WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE III, WITH 11-1/2" B.C. ON 8-5/8" X 6' METAL FOUNDATION

— CABLE AND CONDUIT, TYPE AND SIZE AS INDICATED ON PLAN

— UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SCHEDULE 80, SIZE AS INDICATED ON PLAN

- NOTES:**
- 3" DIA. CNC TO BE BORED UNDER PAVEMENT OR DRIVEWAY.
 - THE CONTRACTOR SHALL SET LIGHT POLES 3 FT BEHIND BACK OF CURB. WHERE APPLICABLE, THE CONTRACTOR SHALL SET LIGHT POLES TANGENT TO BACK OF SIDEWALK.



MODEL: \\MODELNAME
 FILE NAME: \\FILENAME
 PROJECT: \\PROJECT
 OFFICE: \\OFFICE
 DATE: 10/19/2018

USER NAME = PiersonTJ	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISION -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISOR -
PLOT DATE = 10/19/2018	DATE -	REVISION -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LIGHTING PLAN SHEETS

SCALE: 1" = 20' SHEET 5 OF 6 SHEETS STA. 34+00.00 TO STA. 40+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	65
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				



CABLE/CONDUIT SCHEDULE

(A) UNIT DUCT, 600V, 2-1/C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE CNC CONDUIT

(B) ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1C NO.6, 1/C NO.8 GROUND IN 2" DIA., PVC CONDUIT EMBEDDED IN STRUCTURE

LIGHTING LEGEND

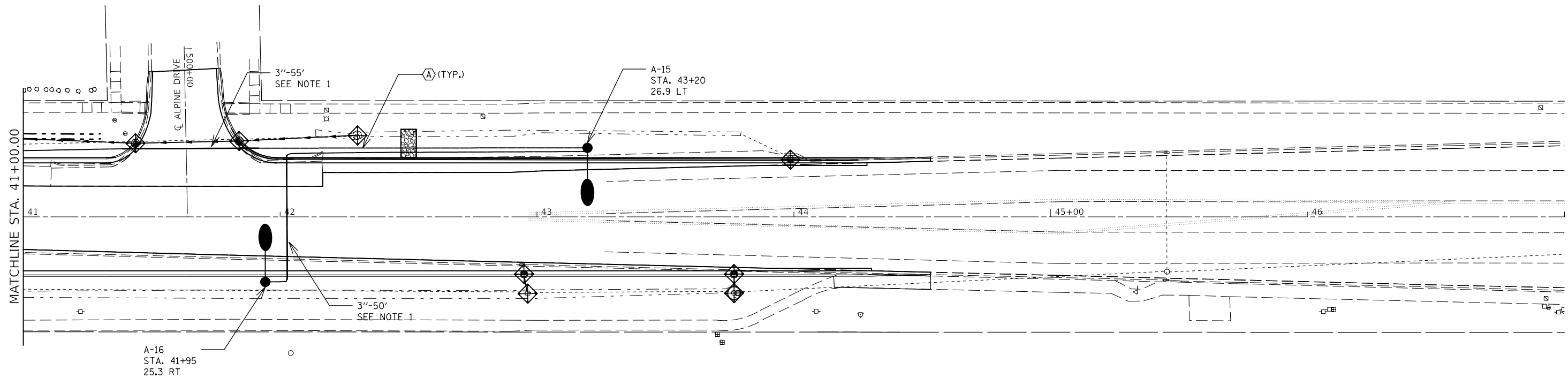
PROPOSED LIGHTING UNIT
ALUMINUM, BLACK, 35 FT. M.H., 15 FT. M.A., 240V LOW WATTAGE HORIZONTAL MOUNT LED LUMINAIRE, TYPE III, WITH 11-1/2" B.C. ON 8-5/8" X 6" METAL FOUNDATION

— CABLE AND CONDUIT, TYPE AND SIZE AS INDICATED ON PLAN

— UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SCHEDULE 80, SIZE AS INDICATED ON PLAN

NOTES:

- 3" DIA. CNC TO BE BORED UNDER PAVEMENT OR DRIVEWAY.
- THE CONTRACTOR SHALL SET LIGHT POLES 3 FT BEHIND BACK OF CURB. WHERE APPLICABLE, THE CONTRACTOR SHALL SET LIGHT POLES TANGENT TO BACK OF SIDEWALK.



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PLOT DATE = 10/19/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



LIGHTING PLAN SHEETS

SCALE: 1" = 20' SHEET 6 OF 6 SHEETS STA. 40+00.00 TO STA. 44+53.18

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	66
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SEC. 21 T 19 N R 7 E - 3RD PM



-  PAVED SHOULDER REMOVAL
-  STRUCTURE REMOVAL

CONCRETE BOX CULVERT
38.2 CU YD

BK. W. PAVEMENT CONNECTOR (HMA)
STA. 24+50.19

BK. W. APPROACH SLAB
STA. 24+60.19

BK. W. ABUT.
STA. 24+90.19

STA. 25+02.10 R 2
94.40' LT

STA. 25+59.54 R 2
155.71' LT

REMOVE IMPACT ATTENUATOR, NO SALVAGE
REMOVE ATTENUATOR BASE
REMOVE ATTENUATOR SAND MODULE

WOVEN WIRE FENCE, 4'

GUARDRAIL REMOVAL

IMPACT ATTENUATOR NRD TL3

GUARD POST REMOVAL

PROPOSED S.N. 010-0294
2-SPAN, 250'-0" BK.-BK. ABUTMENTS
48'-0" REINFORCED CONCRETE DECK
SKEW = 22° 12' 16"

507 C.F. FAI 57 (I-57)

GUARD POST REMOVAL

GUARD POST

GUARD POST

EXISTING S.N. 010-0174
STA. 26+15.19 BRADLEY AVENUE
STA. 509+81.62 I-57

GUARDRAIL REMOVAL

TBT TY. 1 (SPL) TAN

TBT TY. 2

HEADWALL REMOVAL

SPBGR TY A 6', 200'

CONCRETE BOX CULVERT
21.6 CU YD
CONCRETE HEADWALL REMOVAL

CONCRETE HEADWALL REMOVAL

BK. E. ABUT.
STA. 27+40.19

WOVEN WIRE FENCE, 4'

STA. 26+95.97 R 2
115.96' RT

STA. 27+97.98 R 2
91.18' LT

STA. 28+00.70 R 2
153.58' LT

WOVEN WIRE FENCE, 4'

27+48.08 R 2
88.95' RT

BK. E. APPROACH SLAB
STA. 27+70.19

WOVEN WIRE FENCE REMOVAL

BK. E. PAVEMENT CONNECTOR HMA
STA. 27+80.19

MODEL: \\MODELNAME; FILE NAME: \\FILENAME; PROJECT: \\PROJECT; OFFICE: \\OFFICE; DRAWING: \\DRAWING; DATE: \\DATE; USER: \\USER

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	DRAWN -	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 PLAN

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. 507+00.00 TO STA. 513+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	67
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

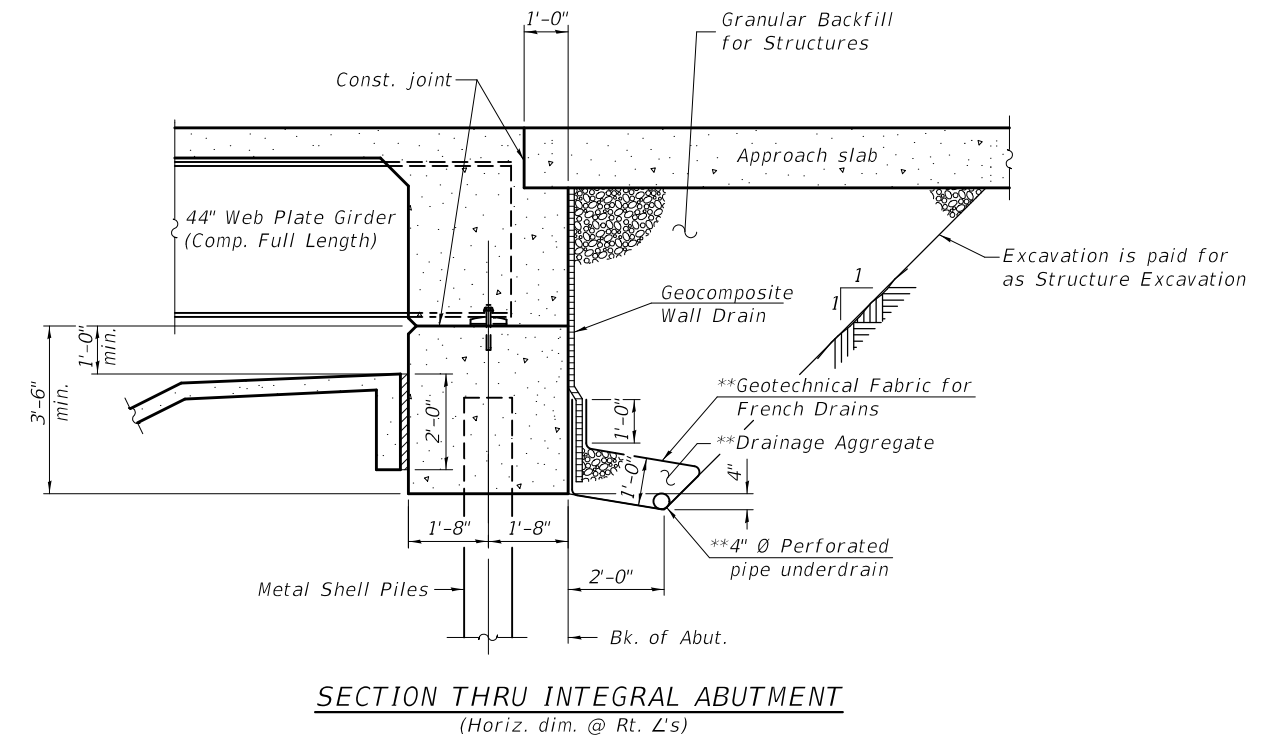
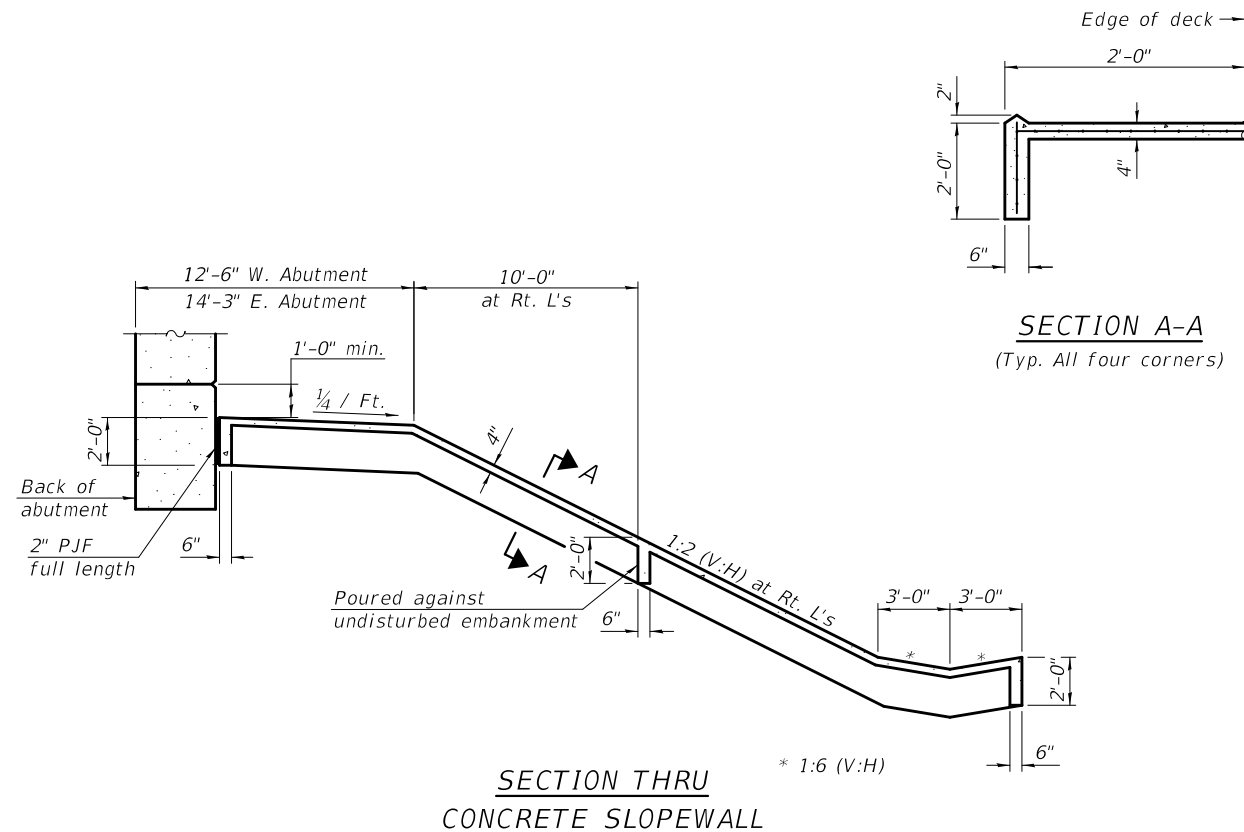
Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts.
 Bolts 7/8 in. Ø, holes 15/16 in. Ø, unless otherwise noted.
 Calculated weight of Structural Steel = 26,150 lbs M270, Gr 36 and 433,260 lbs M270, Gr 50.
 No field welding is permitted except as specified in the contract documents.
 Reinforcement bars designated (E) shall be epoxy coated.
 If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
 Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
 The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
 The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be light gray, Munsell No. 10Y 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green, Munsell No. 7.5g 4/8.
 The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
 Slopewall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.
 Slipforming of parapets is not allowed.

INDEX OF SHEETS

1	General Plan and Elevation
2	General Data
3 - 5	Top of Slab Elevations
6	Top of West Approach Slab Elevations
7	Top of East Approach Slab Elevations
8	Superstructure
9	Superstructure Details
10	Integral Abutment Diaphragm Details
11 - 12	Bridge Approach Slab Details
13	Bridge Fence Railing, Parapet Mounted
14	Framing Plan
15	Structural Steel
16	Bearing Details
17	West Abutment
18	East Abutment
19	Pier
20	Metal Shell Pile Details
21	Mechanical Splicer Details
22 - 24	Boring Logs

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu. Yd.		597	597
Granular Backfill for Structures	Cu. Yd.		210	210
Concrete Structures	Cu. Yd.		204.7	204.7
Concrete Superstructure	Cu. Yd.	512.2		512.2
Concrete Superstructure (Approach Slab)	Cu. Yd.	133.1		133.1
Protective Coat	Sq. Yd.	1818	18	1836
Bridge Deck Grooving	Sq. Yd.	1095		1095
Stud Shear Connectors	Each	3636		3636
Reinforcement Bars, Epoxy Coated	Pound	151,070	35,980	187,050
Name Plates	Each	1		1
Furnishing and Erecting Structural Steel	L. Sum	1		1
Furnishing Metal Shell Piles 14"x0.312"	Foot		2056	2056
Driving Piles	Foot		2056	2056
Test Pile Metal Shells	Each		3	3
Pipe Underdrains for Structures 4"	Foot		184	184
Geocomposite Wall Drain	Sq. Yd.		104	104
Bridge Fence Railing	Foot	488		488
Anchor Bolts, 1"	Each	24		24
Anchor Bolts, 1 1/4"	Each	12		12
Slope Wall 4 Inch	Sq. Yd.		614	614
Protective Shield	Sq. Yd.	230		230
Removal of Existing Structures	Each			1
Mechanical Splicers	Each		72	72
Powder Coating of Bridge Fence Railing	L. Sum	1		1



**Included in the cost of Pipe Underdrains for Structures. (See Special Provisions)

Note:
 All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

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	CHECKED - KEB	REVISED -
	DRAWN - MMY	REVISED -
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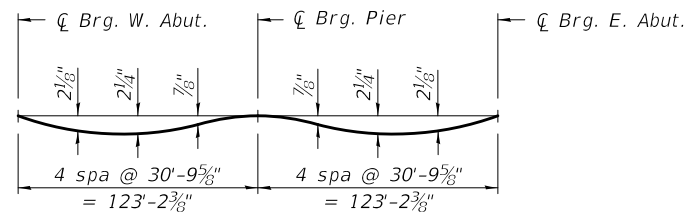
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL DATA
 STRUCTURE NO. 010-0294

SHEET 2 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	69
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

FEHR GRAHAM PROJECT NUMBER: 16-382C

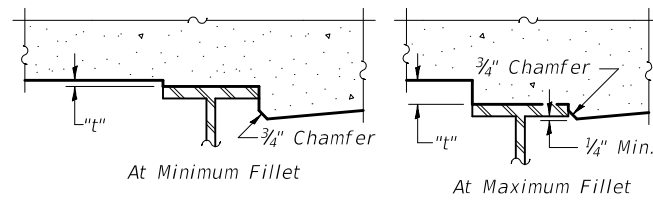


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

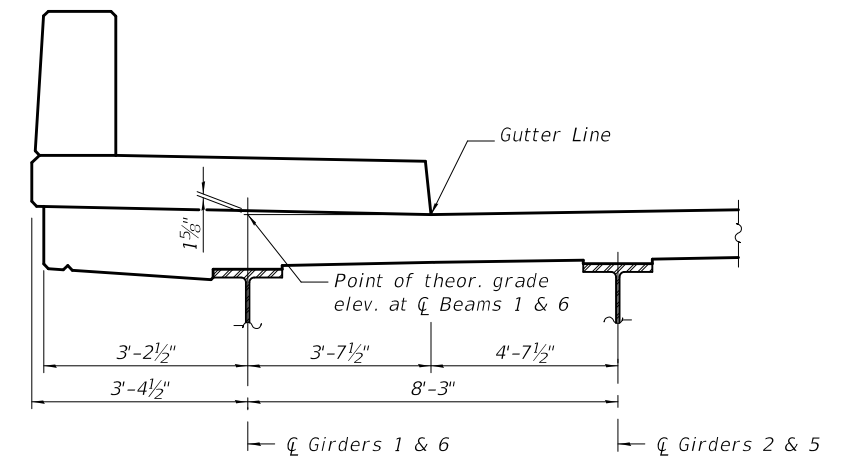
Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on Sheets 4 & 5 of 24.



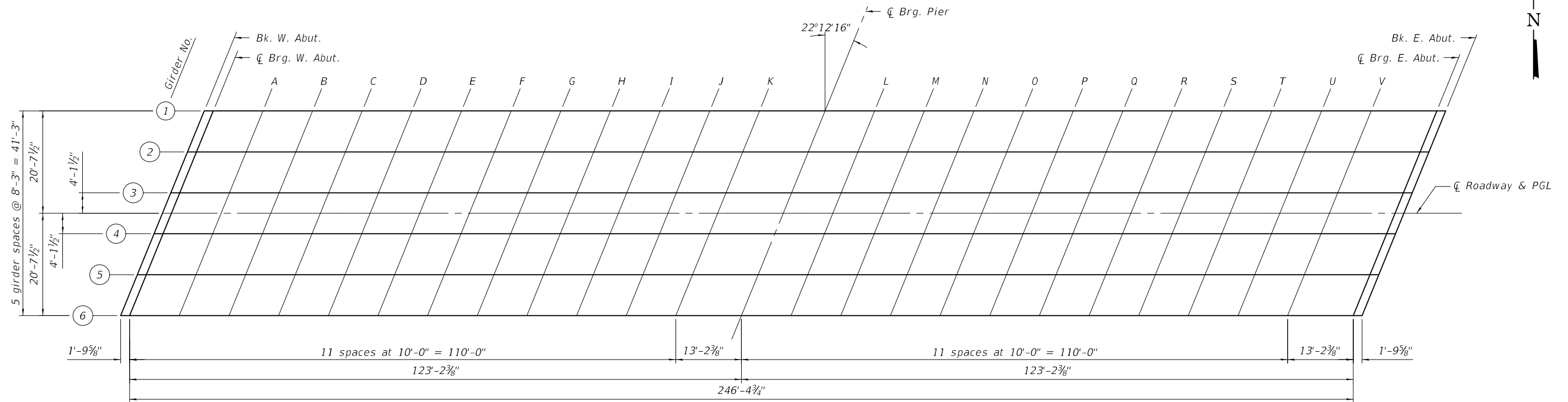
To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheets 4 & 5 of 24, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

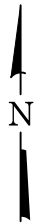


SECTION THRU SIDEWALK

(Looking East)



PLAN



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E-S 2-17-2017



USER NAME = myoung	DESIGNED - MCB	REVISED -
	CHECKED - KEB	REVISED -
	DRAWN - MMY	REVISED -
PLOT DATE = 10/17/2018	CHECKED - MCB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 010-0294

SHEET 3 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	70
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

FEHR GRAHAM PROJECT NUMBER: 16-382C

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abut.	2498.61	-20.63	763.52	763.52
Q Brg W. Abut.	2500.41	-20.63	763.56	763.56
A	2510.41	-20.63	763.78	763.85
B	2520.41	-20.63	763.97	764.10
C	2530.41	-20.63	764.14	764.32
D	2540.41	-20.63	764.29	764.49
E	2550.41	-20.63	764.42	764.62
F	2560.41	-20.63	764.52	764.71
G	2570.41	-20.63	764.60	764.77
H	2580.41	-20.63	764.66	764.79
I	2590.41	-20.63	764.70	764.78
J	2600.41	-20.63	764.71	764.75
K	2610.41	-20.63	764.70	764.71
Q Brg Pier	2623.61	-20.63	764.65	764.65
L	2633.61	-20.63	764.59	764.59
M	2643.61	-20.63	764.50	764.53
N	2653.61	-20.63	764.39	764.46
O	2663.61	-20.63	764.26	764.38
P	2673.61	-20.63	764.11	764.26
Q	2683.61	-20.63	763.93	764.12
R	2693.61	-20.63	763.73	763.93
S	2703.61	-20.63	763.51	763.71
T	2713.61	-20.63	763.27	763.45
U	2723.61	-20.63	763.00	763.15
V	2733.61	-20.63	762.71	762.80
Q Brg E. Abut.	2746.81	-20.63	762.29	762.29
Bk East Abut.	2748.61	-20.63	762.23	762.23

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abut.	2495.24	-12.38	763.60	763.60
Q Brg W. Abut.	2497.04	-12.38	763.65	763.65
A	2507.04	-12.38	763.87	763.94
B	2517.04	-12.38	764.07	764.21
C	2527.04	-12.38	764.25	764.43
D	2537.04	-12.38	764.41	764.61
E	2547.04	-12.38	764.54	764.75
F	2557.04	-12.38	764.65	764.85
G	2567.04	-12.38	764.74	764.91
H	2577.04	-12.38	764.81	764.93
I	2587.04	-12.38	764.85	764.93
J	2597.04	-12.38	764.87	764.91
K	2607.04	-12.38	764.87	764.88
Q Brg Pier	2620.24	-12.38	764.83	764.83
L	2630.24	-12.38	764.78	764.78
M	2640.24	-12.38	764.70	764.73
N	2650.24	-12.38	764.60	764.67
O	2660.24	-12.38	764.47	764.59
P	2670.24	-12.38	764.33	764.48
Q	2680.24	-12.38	764.16	764.34
R	2690.24	-12.38	763.97	764.17
S	2700.24	-12.38	763.75	763.96
T	2710.24	-12.38	763.52	763.70
U	2720.24	-12.38	763.26	763.40
V	2730.24	-12.38	762.97	763.07
Q Brg E. Abut.	2743.44	-12.38	762.57	762.57
Bk East Abut.	2745.24	-12.38	762.51	762.51

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abut.	2491.87	-4.13	763.65	763.65
Q Brg W. Abut.	2493.67	-4.13	763.70	763.70
A	2503.67	-4.13	763.93	764.00
B	2513.67	-4.13	764.14	764.27
C	2523.67	-4.13	764.33	764.50
D	2533.67	-4.13	764.49	764.69
E	2543.67	-4.13	764.63	764.83
F	2553.67	-4.13	764.75	764.94
G	2563.67	-4.13	764.85	765.01
H	2573.67	-4.13	764.92	765.05
I	2583.67	-4.13	764.97	765.05
J	2593.67	-4.13	765.00	765.04
K	2603.67	-4.13	765.00	765.01
Q Brg Pier	2616.87	-4.13	764.98	764.98
L	2626.87	-4.13	764.93	764.93
M	2636.87	-4.13	764.86	764.89
N	2646.87	-4.13	764.76	764.83
O	2656.87	-4.13	764.65	764.76
P	2666.87	-4.13	764.51	764.66
Q	2676.87	-4.13	764.35	764.53
R	2686.87	-4.13	764.17	764.37
S	2696.87	-4.13	763.96	764.16
T	2706.87	-4.13	763.73	763.91
U	2716.87	-4.13	763.48	763.63
V	2726.87	-4.13	763.20	763.30
Q Brg E. Abut.	2740.07	-4.13	762.80	762.80
Bk East Abut.	2741.87	-4.13	762.75	762.75

Q ROADWAY & PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abut.	2490.19	0	763.67	763.67
Q Brg W. Abut.	2491.99	0	763.72	763.72
A	2501.99	0	763.95	764.03
B	2511.99	0	764.17	764.30
C	2521.99	0	764.36	764.53
D	2531.99	0	764.53	764.72
E	2541.99	0	764.67	764.87
F	2551.99	0	764.79	764.98
G	2561.99	0	764.89	765.06
H	2571.99	0	764.97	765.10
I	2581.99	0	765.03	765.11
J	2591.99	0	765.06	765.10
K	2601.99	0	765.07	765.08
Q Brg Pier	2615.19	0	765.04	765.04
L	2625.19	0	765.00	765.00
M	2635.19	0	764.93	764.96
N	2645.19	0	764.84	764.91
O	2655.19	0	764.73	764.84
P	2665.19	0	764.60	764.75
Q	2675.19	0	764.44	764.62
R	2685.19	0	764.26	764.46
S	2695.19	0	764.06	764.26
T	2705.19	0	763.83	764.02
U	2715.19	0	763.58	763.73
V	2725.19	0	763.31	763.41
Q Brg E. Abut.	2738.39	0	762.92	762.92
Bk East Abut.	2740.19	0	762.86	762.86

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 010-0294

SHEET 4 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	71
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abut.	2488.51	4.13	763.57	763.57
Q Brg W. Abut.	2490.31	4.13	763.61	763.61
A	2500.31	4.13	763.85	763.93
B	2510.31	4.13	764.07	764.20
C	2520.31	4.13	764.27	764.44
D	2530.31	4.13	764.44	764.64
E	2540.31	4.13	764.59	764.79
F	2550.31	4.13	764.71	764.90
G	2560.31	4.13	764.82	764.98
H	2570.31	4.13	764.90	765.02
I	2580.31	4.13	764.96	765.04
J	2590.31	4.13	764.99	765.03
K	2600.31	4.13	765.00	765.01
Q Brg Pier	2613.51	4.13	764.99	764.99
L	2623.51	4.13	764.95	764.95
M	2633.51	4.13	764.88	764.91
N	2643.51	4.13	764.80	764.87
O	2653.51	4.13	764.69	764.80
P	2663.51	4.13	764.56	764.71
Q	2673.51	4.13	764.41	764.59
R	2683.51	4.13	764.23	764.43
S	2693.51	4.13	764.03	764.23
T	2703.51	4.13	763.81	763.99
U	2713.51	4.13	763.56	763.71
V	2723.51	4.13	763.30	763.39
Q Brg E. Abut.	2736.71	4.13	762.91	762.91
Bk East Abut.	2738.51	4.13	762.85	762.85

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abut.	2485.14	12.38	763.35	763.35
Q Brg W. Abut.	2486.94	12.38	763.40	763.40
A	2496.94	12.38	763.64	763.72
B	2506.94	12.38	763.87	764.00
C	2516.94	12.38	764.07	764.25
D	2526.94	12.38	764.25	764.45
E	2536.94	12.38	764.41	764.61
F	2546.94	12.38	764.54	764.73
G	2556.94	12.38	764.65	764.82
H	2566.94	12.38	764.74	764.87
I	2576.94	12.38	764.81	764.89
J	2586.94	12.38	764.85	764.89
K	2596.94	12.38	764.87	764.88
Q Brg Pier	2610.14	12.38	764.86	764.86
L	2620.14	12.38	764.83	764.84
M	2630.14	12.38	764.78	764.81
N	2640.14	12.38	764.70	764.77
O	2650.14	12.38	764.60	764.71
P	2660.14	12.38	764.48	764.63
Q	2670.14	12.38	764.33	764.51
R	2680.14	12.38	764.16	764.36
S	2690.14	12.38	763.97	764.17
T	2700.14	12.38	763.76	763.94
U	2710.14	12.38	763.52	763.67
V	2720.14	12.38	763.26	763.35
Q Brg E. Abut.	2733.34	12.38	762.88	762.88
Bk East Abut.	2735.14	12.38	762.83	762.83

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk W. Abut.	2481.77	20.63	763.09	763.09
Q Brg W. Abut.	2483.57	20.63	763.14	763.14
A	2493.57	20.63	763.40	763.47
B	2503.57	20.63	763.63	763.76
C	2513.57	20.63	763.84	764.02
D	2523.57	20.63	764.03	764.23
E	2533.57	20.63	764.19	764.40
F	2543.57	20.63	764.33	764.53
G	2553.57	20.63	764.45	764.62
H	2563.57	20.63	764.55	764.68
I	2573.57	20.63	764.62	764.71
J	2583.57	20.63	764.67	764.72
K	2593.57	20.63	764.70	764.71
Q Brg Pier	2606.77	20.63	764.70	764.70
L	2616.77	20.63	764.68	764.68
M	2626.77	20.63	764.63	764.66
N	2636.77	20.63	764.56	764.63
O	2646.77	20.63	764.47	764.58
P	2656.77	20.63	764.35	764.51
Q	2666.77	20.63	764.22	764.40
R	2676.77	20.63	764.06	764.26
S	2686.77	20.63	763.87	764.07
T	2696.77	20.63	763.67	763.85
U	2706.77	20.63	763.44	763.58
V	2716.77	20.63	763.18	763.28
Q Brg E. Abut.	2729.97	20.63	762.82	762.82
Bk East Abut.	2731.77	20.63	762.76	762.76

E-S

2-17-2017

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 010-0294

SHEET 5 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	72
CONTRACT NO. 70A61				
ILLINOIS		FED. AID PROJECT		

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Apr.	2468.21	-17.00	762.78
A	2478.21	-17.00	763.07
B	2488.21	-17.00	763.34
E. End of W. Apr.	2498.21	-17.00	763.58

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Apr.	2465.76	-11.00	762.82
A	2475.76	-11.00	763.12
B	2485.76	-11.00	763.39
E. End of W. Apr.	2495.76	-11.00	763.64

CENTERLINE ROADWAY & PGL

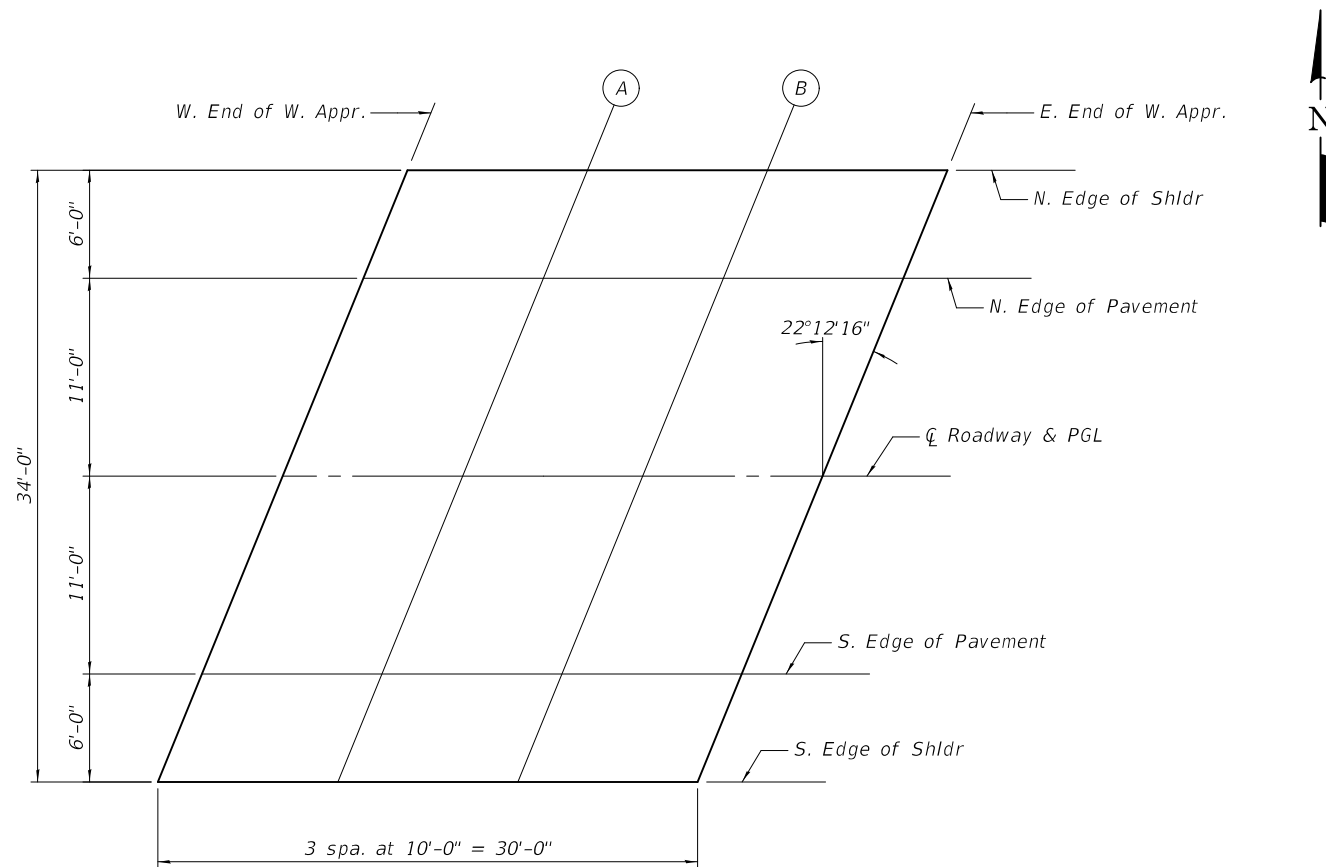
Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Apr.	2461.27	0.00	762.85
A	2471.27	0.00	763.16
B	2481.27	0.00	763.44
E. End of W. Apr.	2491.27	0.00	763.70

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Apr.	2456.78	11.00	762.54
A	2466.78	11.00	762.86
B	2476.78	11.00	763.15
E. End of W. Apr.	2486.78	11.00	763.42

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of W. Apr.	2454.33	17.00	762.34
A	2464.33	17.00	762.66
B	2474.33	17.00	762.96
E. End of W. Apr.	2484.33	17.00	763.24



PLAN

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2-17-2017

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ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003525

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 010-0294

SHEET 6 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	73
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

FEHR GRAHAM PROJECT NUMBER: 16-382C

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Apr.	2746.05	-17.00	762.39
A	2756.05	-17.00	762.06
B	2766.05	-17.00	761.74
E. End of E. Apr.	2776.05	-17.00	761.41

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Apr.	2743.60	-11.00	762.59
A	2753.60	-11.00	762.26
B	2763.60	-11.00	761.94
E. End of E. Apr.	2773.60	-11.00	761.61

CENTERLINE ROADWAY & PGL

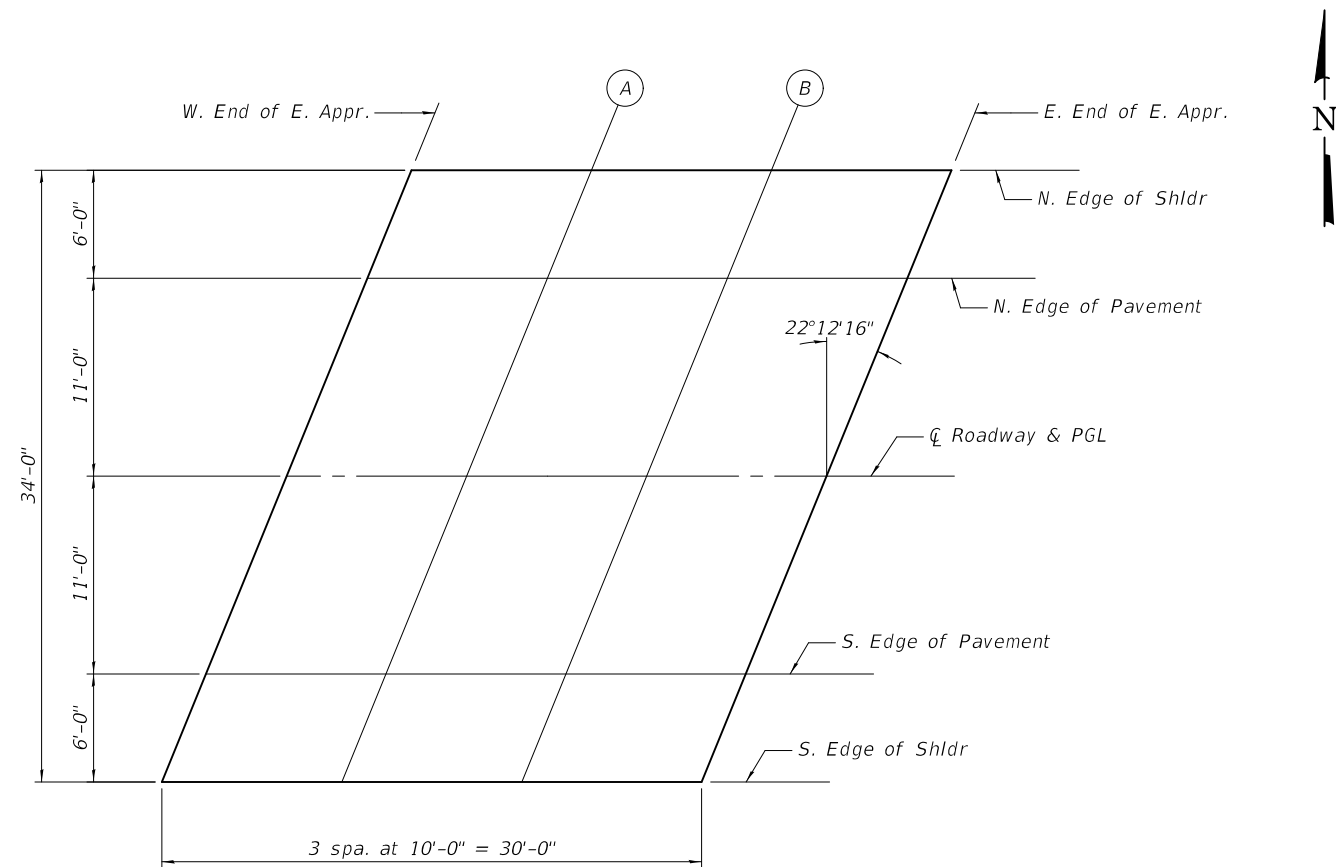
Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Apr.	2739.11	0.00	762.90
A	2749.11	0.00	762.57
B	2759.11	0.00	762.25
E. End of E. Apr.	2769.11	0.00	761.92

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Apr.	2734.62	11.00	762.87
A	2744.62	11.00	762.56
B	2754.62	11.00	762.23
E. End of E. Apr.	2764.62	11.00	761.91

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End of E. Apr.	2732.17	17.00	762.82
A	2742.17	17.00	762.52
B	2752.17	17.00	762.19
E. End of E. Apr.	2762.17	17.00	761.87



PLAN

E-AS

2-17-2017

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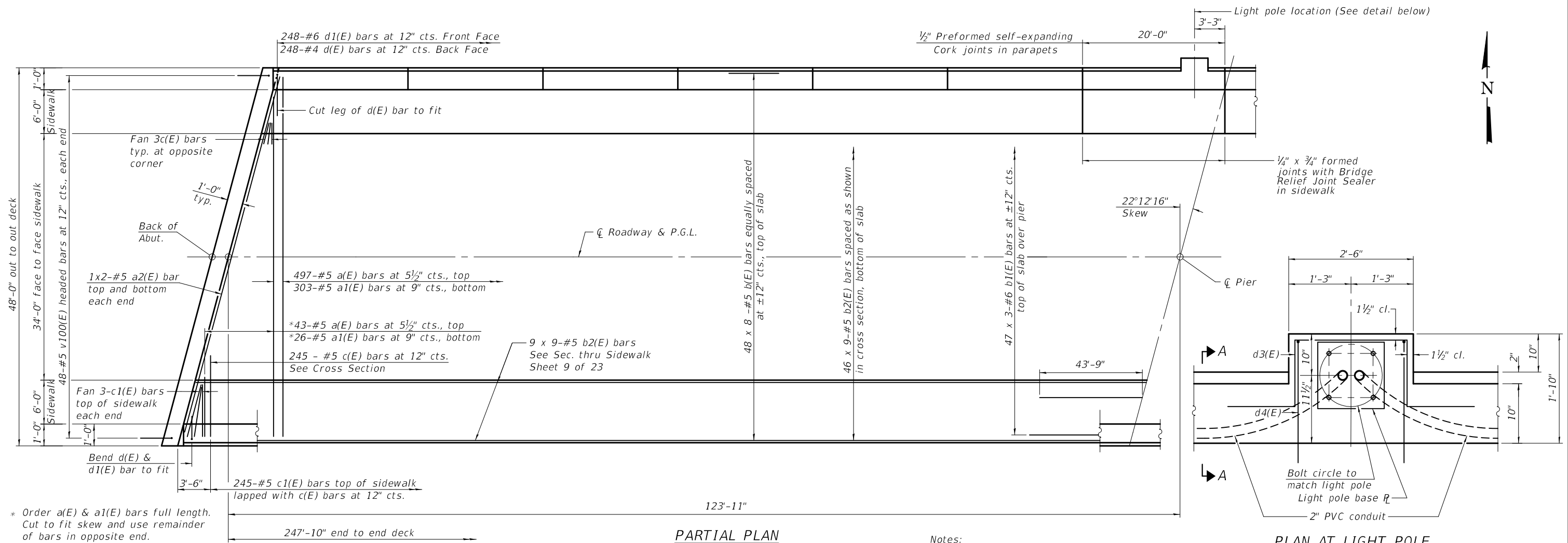
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 010-0294

SHEET 7 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	74
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

FEHR GRAHAM PROJECT NUMBER: 16-382C



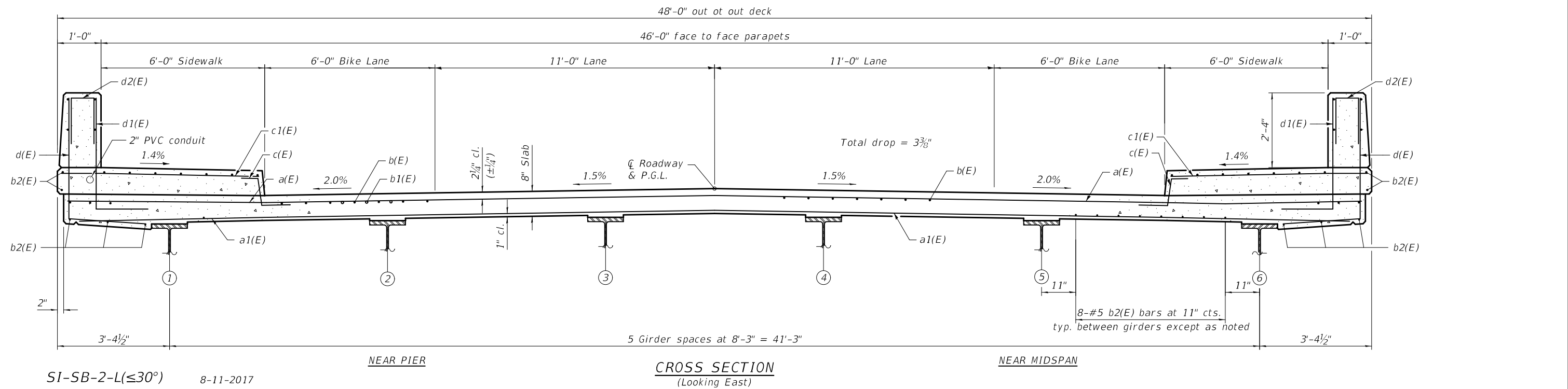
* Order a(E) & a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP

- #5 bar = 3'-6"
- #6 bar = 3'-7"

Notes:
See sheet 9 of 24 for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

PLAN AT LIGHT POLE
Note:
Cost of anchor rods is included with Concrete Superstructure.
For Section A-A, see Sheet 9 of 24.



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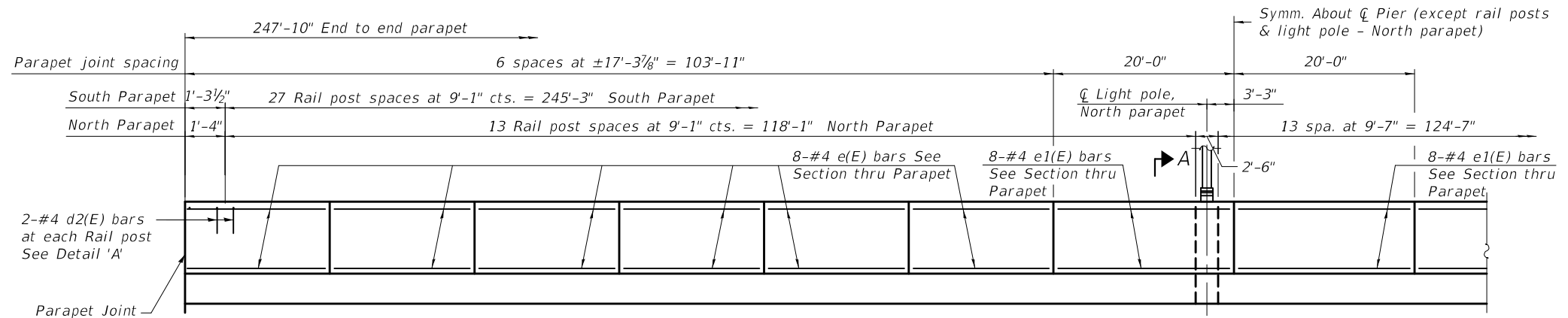
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SUPERSTRUCTURE
STRUCTURE NO. 010-0294

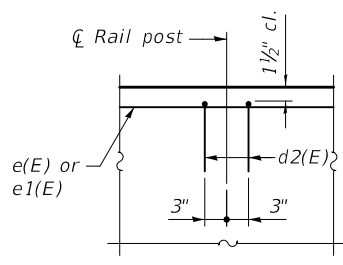
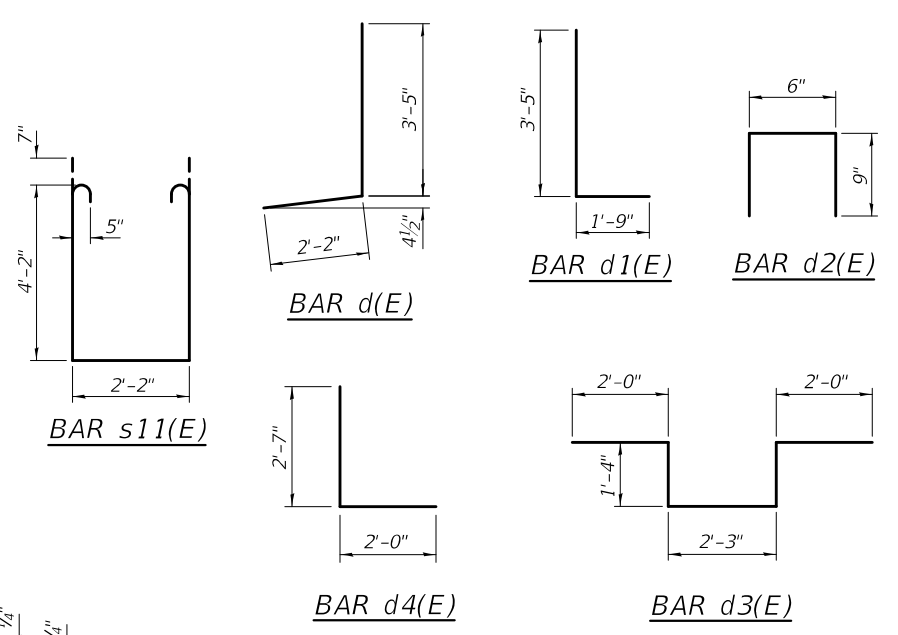
SHEET 8 OF 24 SHEETS

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 75
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

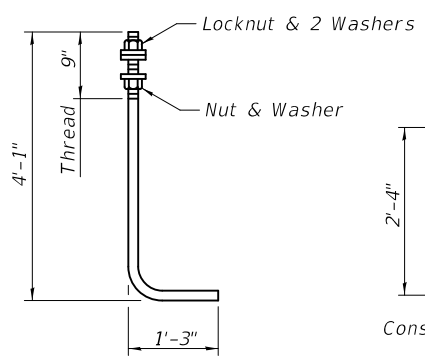
FEHR GRAHAM PROJECT NUMBER: 16-382C



INSIDE ELEVATION OF PARAPET
(North parapet looking north, South parapet looking south)

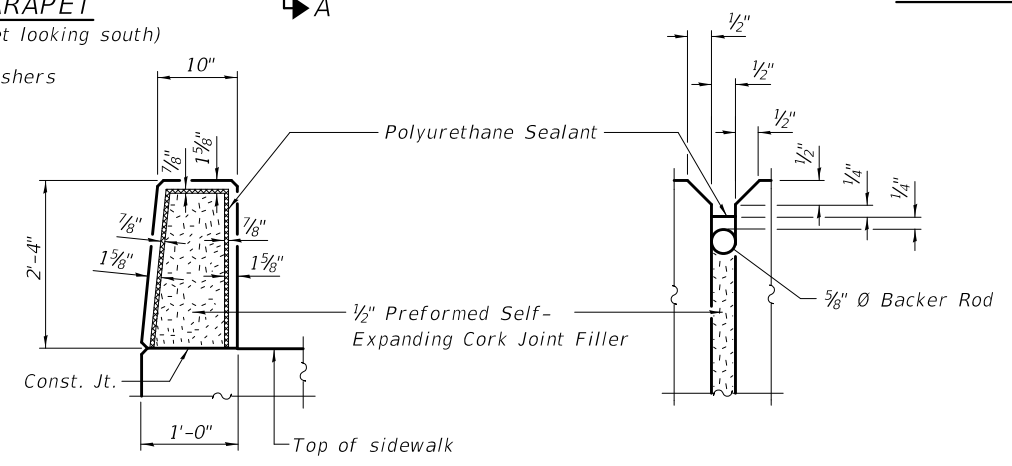


DETAIL 'A'



ANCHOR ROD

Diameter as specified for light poles. (ASTM F 1554 Grade 105)
Full length hot dipped galvanized



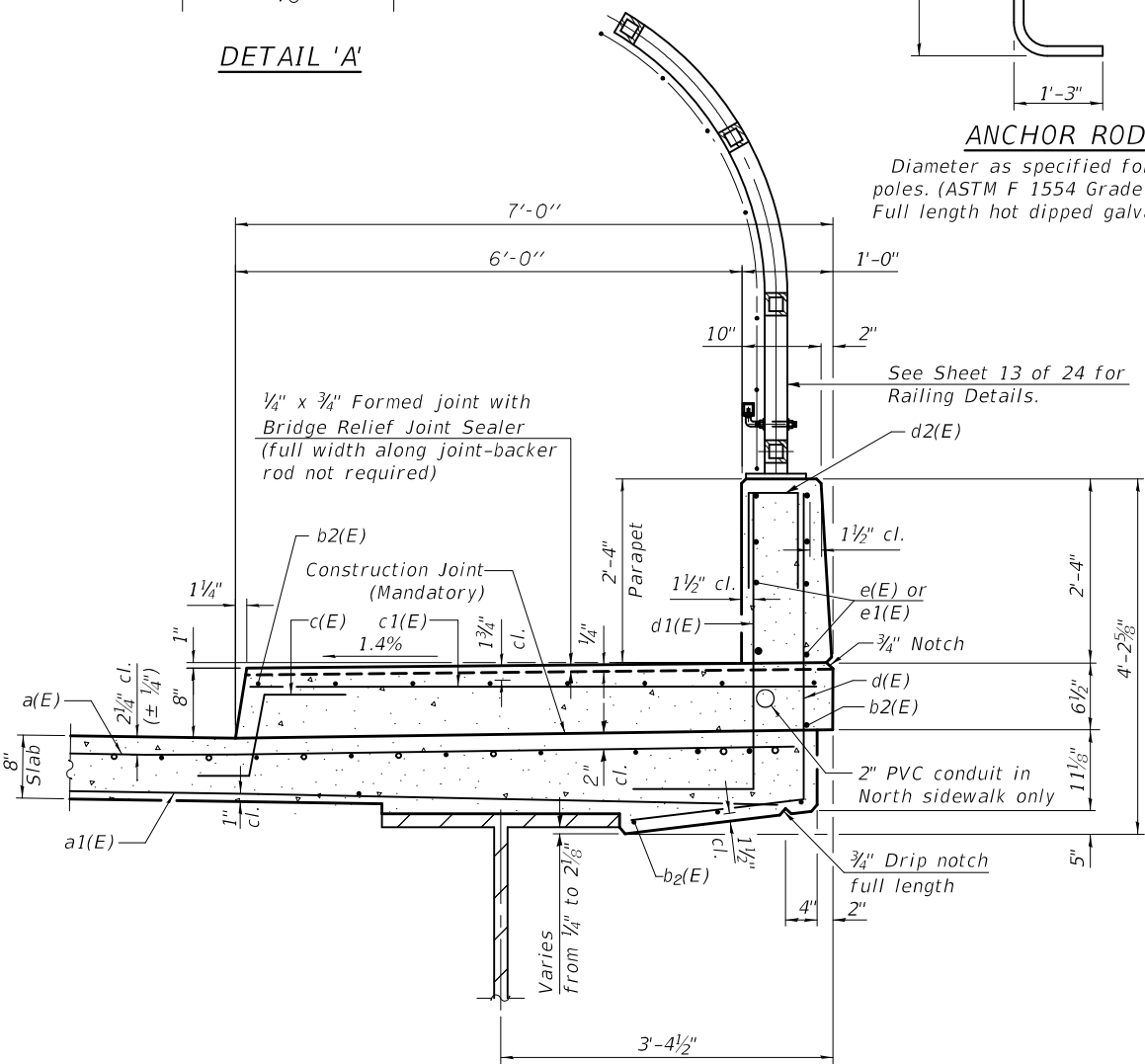
PARAPET JOINT DETAILS

Notes:
The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

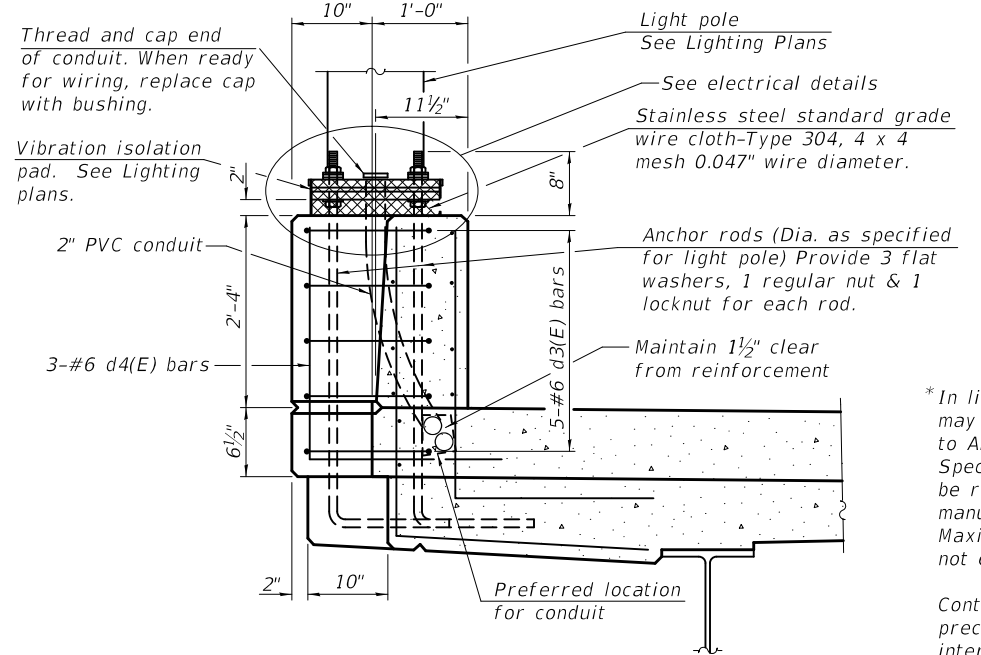
BAR v100(E)
(Headed)

BAR s10(E)
(Headed)

BAR c(E)



SECTION THRU SIDEWALK & PARAPET



SECTION A-A

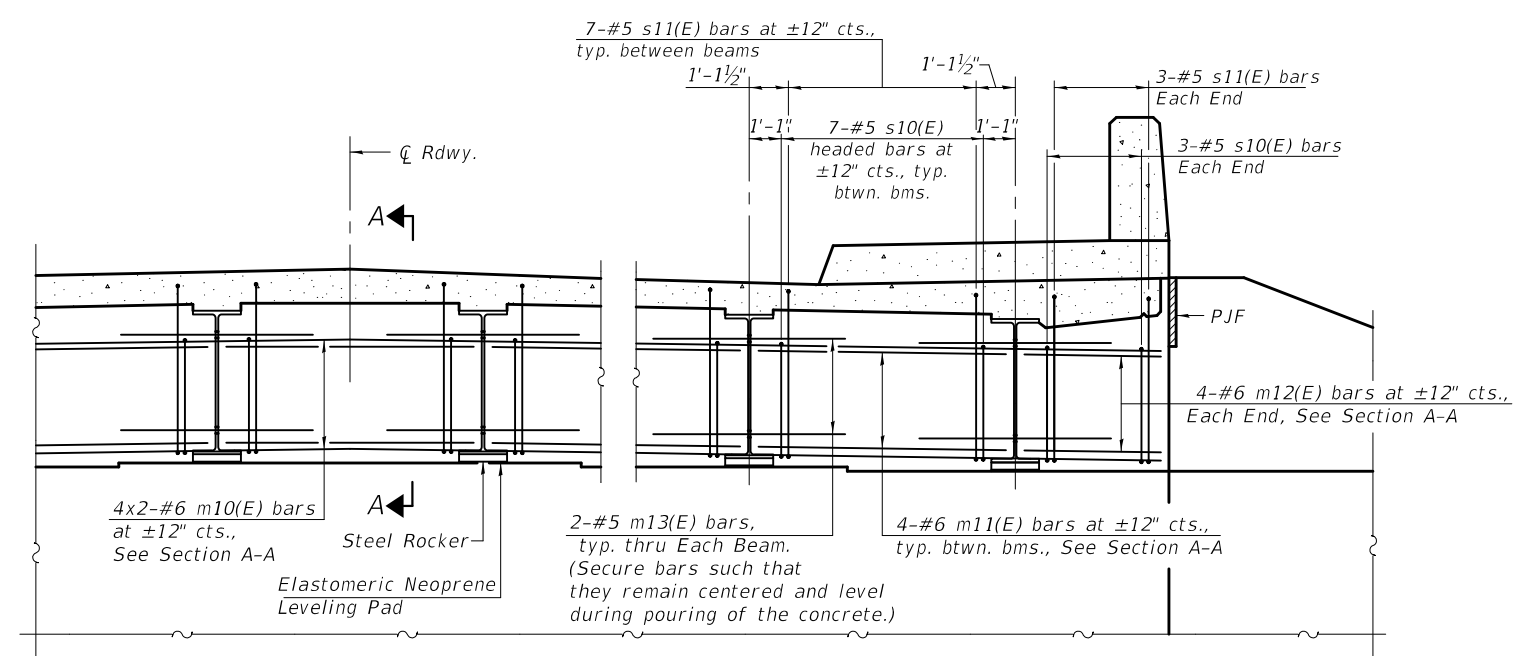
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	540	#5	47'-4"	—
a1(E)	329	#5	46'-8"	—
a2(E)	8	#5	27'-4"	—
b(E)	384	#5	34'-0"	—
b1(E)	141	#6	31'-7"	—
b2(E)	576	#5	30'-8"	—
c(E)	496	#5	2'-4"	┌
c1(E)	502	#5	6'-8"	—
d(E)	496	#4	5'-7"	└
d1(E)	496	#6	5'-1"	└
d2(E)	112	#4	2'-0"	└
d3(E)	5	#6	8'-11"	└
d4(E)	3	#6	4'-7"	└
e(E)	192	#4	17'-0"	—
e1(E)	32	#4	19'-8"	—
m10(E)	16	#6	27'-11"	—
m11(E)	40	#6	8'-5"	—
m12(E)	16	#6	3'-1"	—
m13(E)	24	#5	4'-0"	—
s10(E)	82	#5	8'-0"	└
s11(E)	82	#5	11'-8"	└
v100(E)	96	#5	3'-1"	└
Reinforcement Bars, Epoxy Coated				Lbs. 98,140
Concrete Superstructure				Cu. Yds. 484.0

*In lieu of bottom leg, c(E) bars may be drilled and set according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of drilled hole shall not exceed 6".

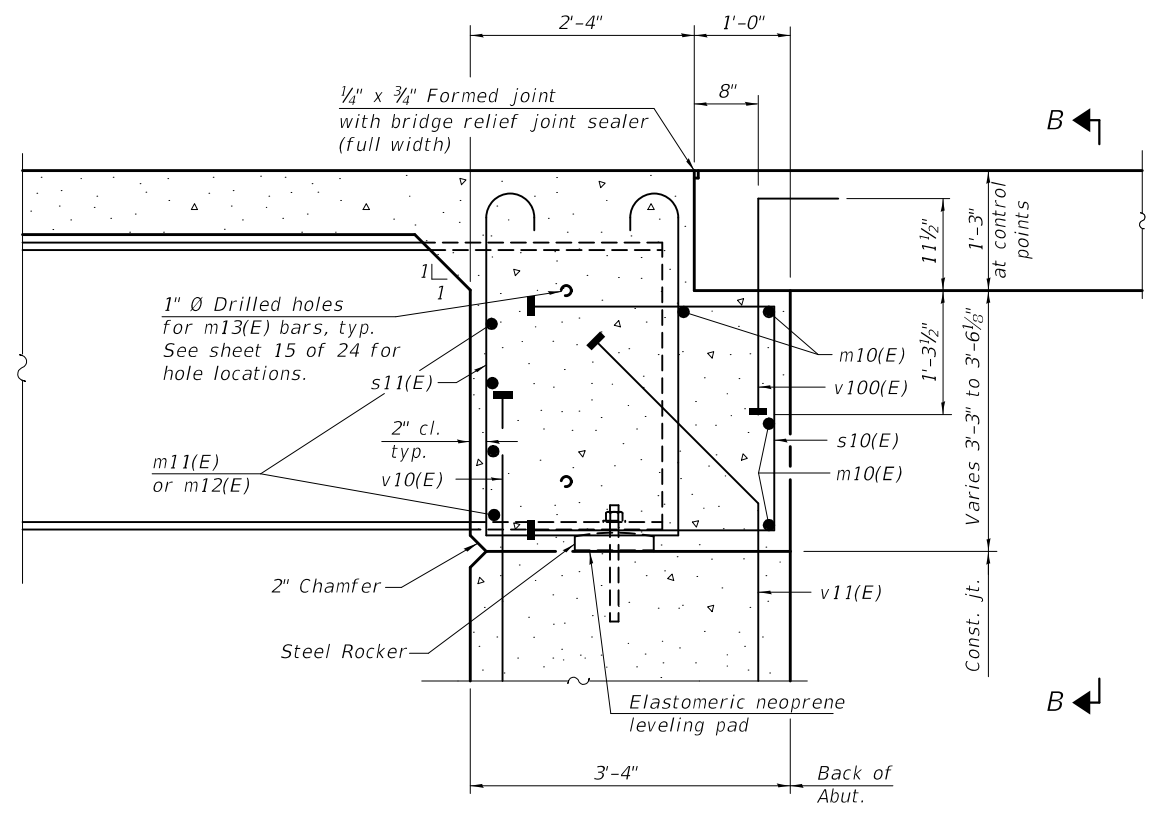
Contractor shall take all necessary precautions to prevent drilled hole interference with deck reinforcement bars. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in deck.

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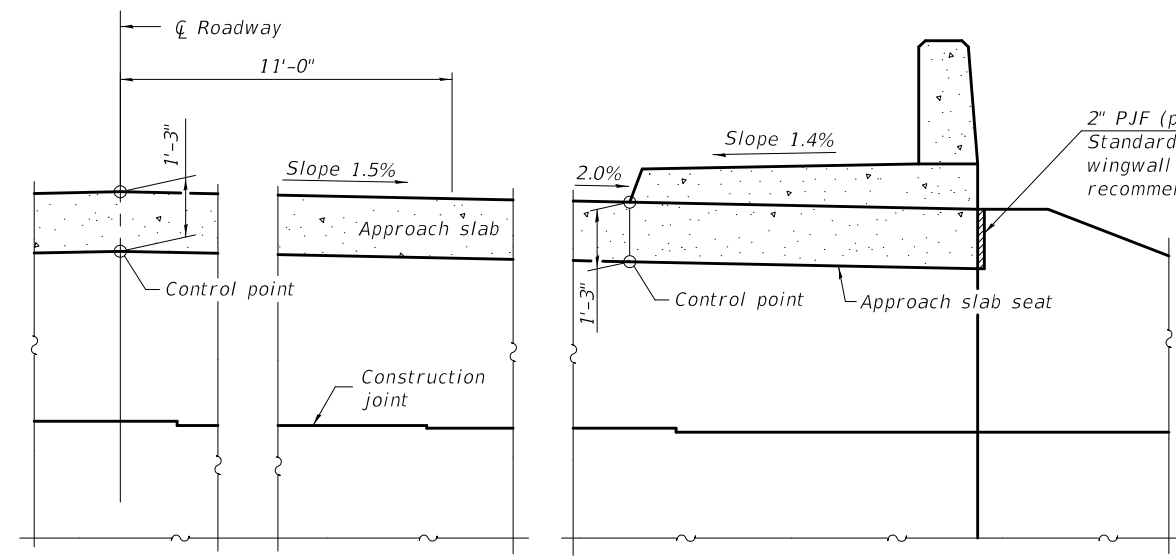


DIAPHRAGM AT ABUTMENT

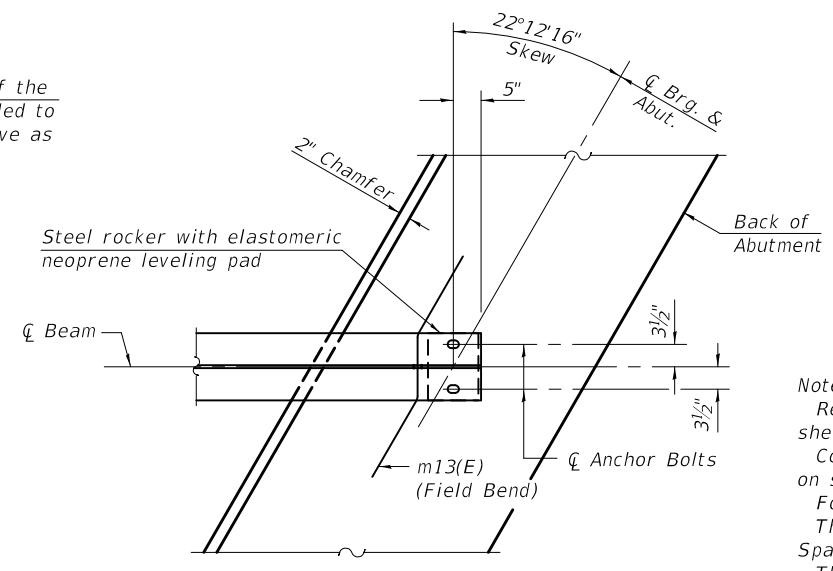
MINIMUM BAR LAP
#6 bar = 4'-4"



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



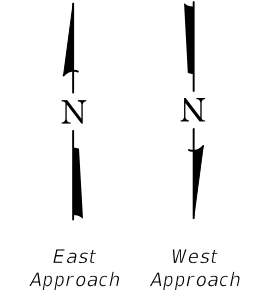
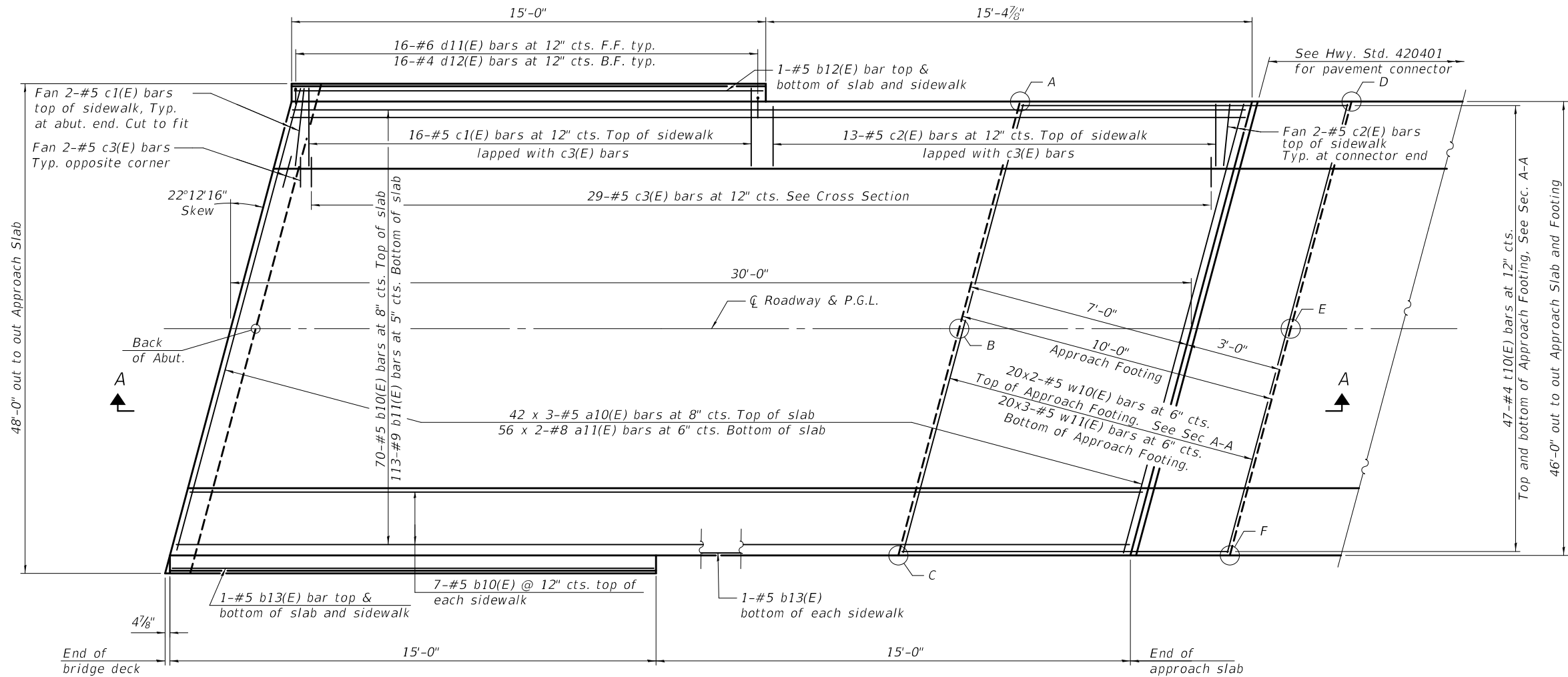
SECTION B-B
(at Rt. L's)



PLAN AT ABUTMENT
(Showing bottom flange of beam)

Notes:
 Reinforcement bars in diaphragm are billed with superstructure on sheet 9 of 24.
 Concrete in diaphragm is included with Concrete Superstructure on sheet 9 of 24.
 For details of bars s10(E), s11(E) and v100(E) see sheet 9 of 24.
 The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
 The approach slab seat shall have a constant slope determined from the control points shown.
 For bearing details see sheet 16 of 24.
 Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
 Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
 Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

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 ILLINOIS DESIGN FIRM NO. 184-003525
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 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIAPHRAGM DETAILS
 STRUCTURE NO. 010-0294
 SHEET 10 OF 24 SHEETS
 F.A.I. RTE. 57 SECTION 10-33BR COUNTY CHAMPAIGN TOTAL SHEETS 165 SHEET NO. 77
 ILLINOIS FED. AID PROJECT CONTRACT NO. 70A61



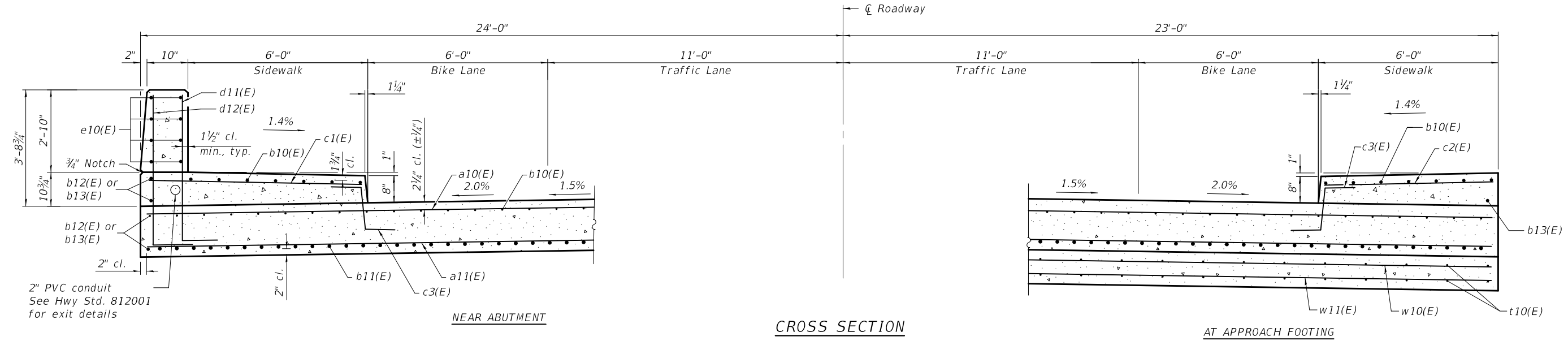
MINIMUM BAR LAP
 #5 bar = 3'-7"
 #8 bar = 5'-9"

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	West Approach		East Approach	
	Top	Bottom	Top	Bottom
A	761.14	760.31	760.21	759.38
B	761.83	761.00	760.92	760.09
C	761.70	760.87	760.82	759.99
D	760.78	759.95	759.86	759.03
E	761.50	760.67	760.57	759.74
F	761.39	760.56	760.47	759.64

Note:
See Sheet 12 of 24 for Section A-A.

PLAN



CROSS SECTION

BAIA-CIP-34FS-L(≤30°) 8-11-2017

(Sheet 1 of 2)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 010-0294**

SHEET 11 OF 24 SHEETS

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 78
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

FEHR GRAHAM PROJECT NUMBER: 16-382C

Notes:

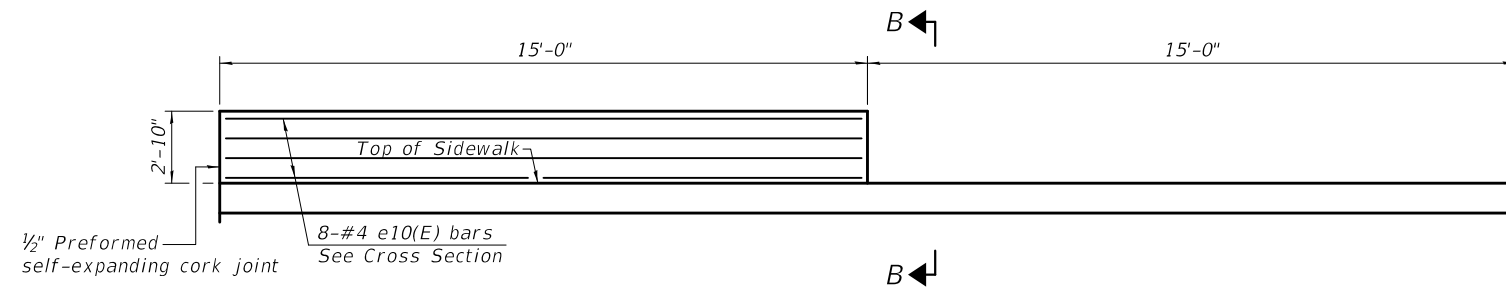
The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.

Parapet & sidewalk concrete shall be paid for as Concrete Superstructure. Approach slab shall be paid for as Concrete Superstructure (Approach Slab). Approach footing concrete shall be paid for as Concrete Structures.

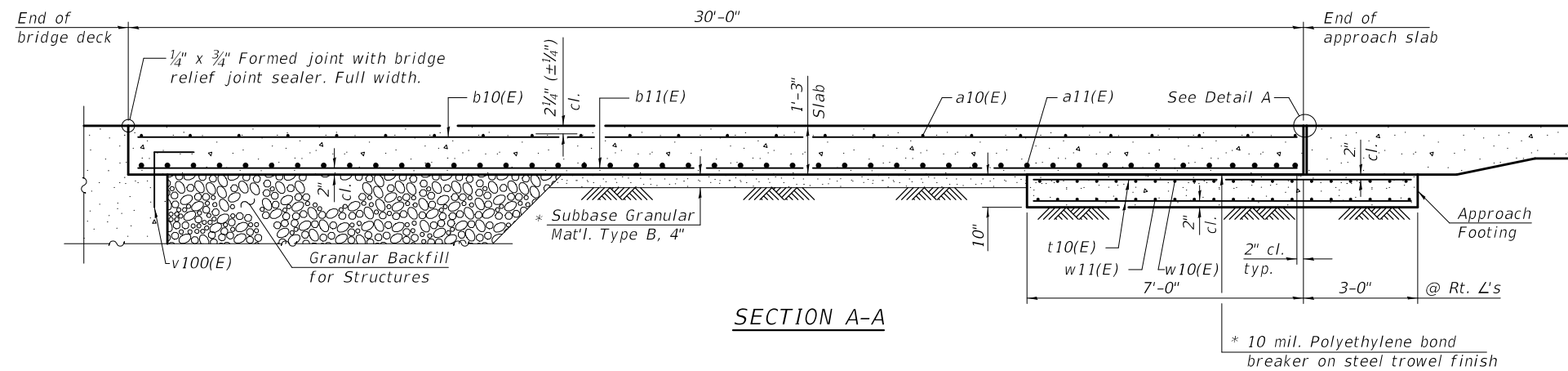
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

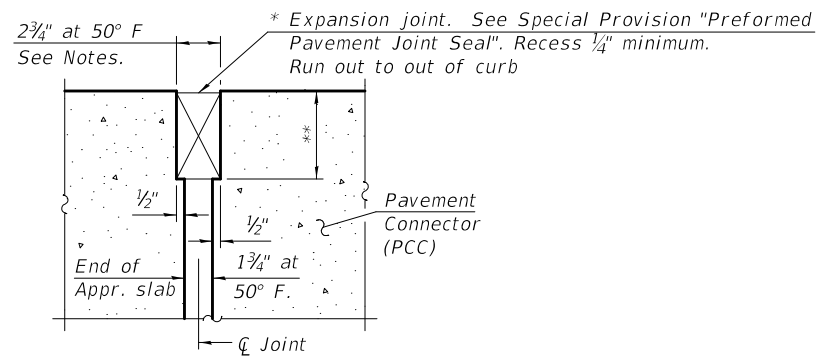
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 24.



ELEVATION OF PARAPET AND SIDEWALK



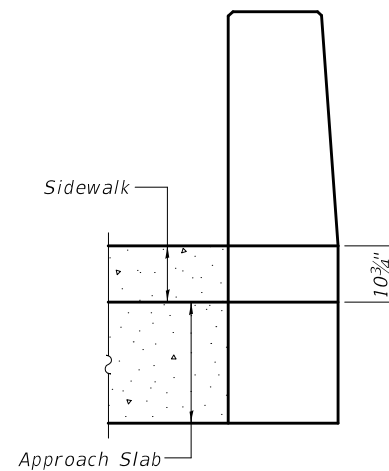
SECTION A-A



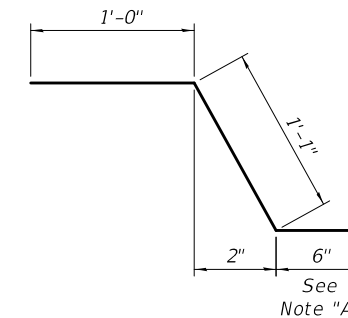
DETAIL A
(@ Rt. L's)

* Cost included with Concrete Superstructure (Approach Slab).

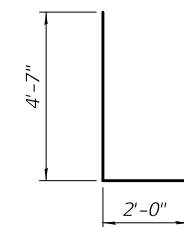
** Per manufacturer recommendations



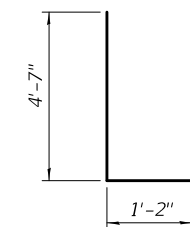
VIEW B-B



BAR c3(E)



BAR d12(E)



BAR d11(E)

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a10(E)	252	#5	19'-7"	—	
a11(E)	224	#8	28'-8"	—	
b10(E)	168	#5	29'-8"	—	
b11(E)	226	#9	29'-8"	—	
b12(E)	8	#5	14'-4"	—	
b13(E)	12	#5	14'-8"	—	
c1(E)	72	#5	6'-8"	—	
c2(E)	60	#5	5'-8"	—	
c3(E)	124	#5	2'-7"	—	
d11(E)	64	#6	5'-9"	—	
d12(E)	64	#4	6'-7"	—	
e10(E)	32	#4	14'-8"	—	
t10(E)	188	#4	10'-5"	—	
w10(E)	80	#5	26'-6"	—	
w11(E)	120	#5	18'-10"	—	
Concrete Superstructure				Cu. Yd.	28.2
Concrete Superstructure (Approach Slab)				Cu. Yd.	133.1
Concrete Structures				Cu. Yd.	28.3
* Reinforcement Bars, Epoxy Coated				Pound	58,810

* 52,930 Superstructure
5,880 Substructure

Note 'A'

In lieu of bottom leg, c3(E) bars may be drilled and set according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of drilled hole shall not exceed 9".

Contractor shall take all necessary precautions to prevent drilled hole interference with deck reinforcement bars. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in deck.

(Sheet 2 of 2)

MODEL: Default
FILE NAME: g:\svb\ss4\16116-382c\bridge\0100294-70A61-12-appro_dct2.dgn

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PLOT DATE = 10/17/2018	CHECKED - MCB	REVISED -

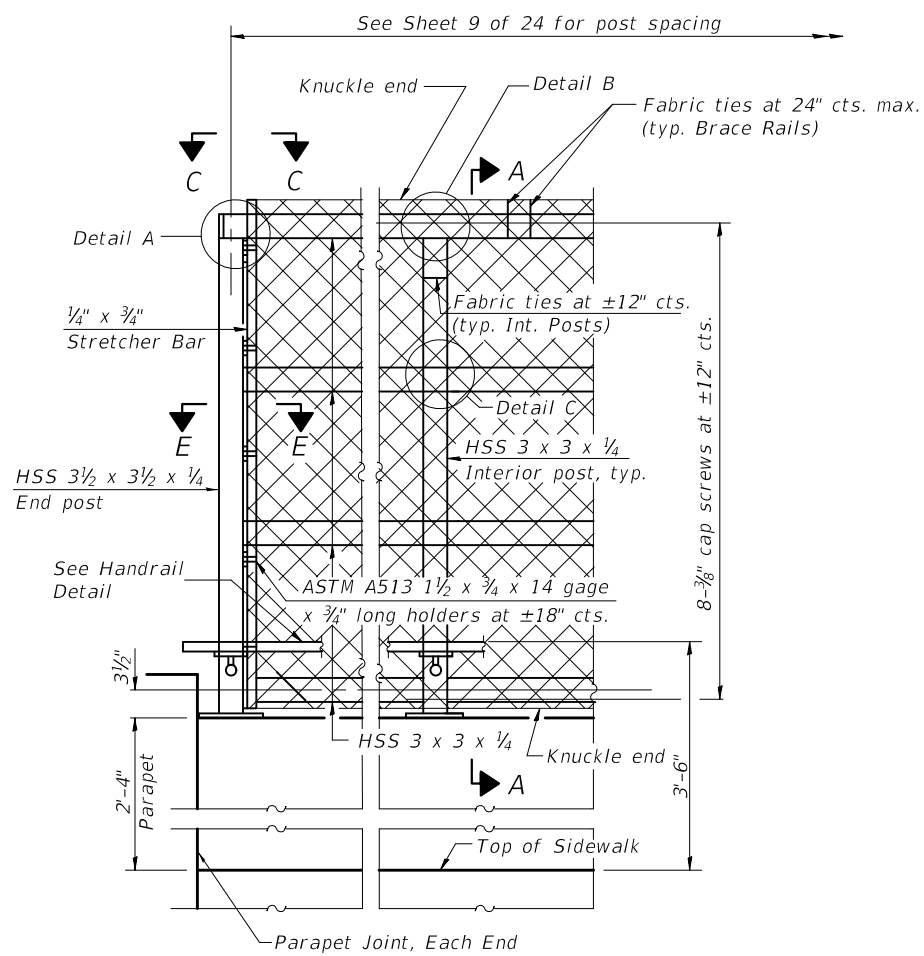
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 010-0294

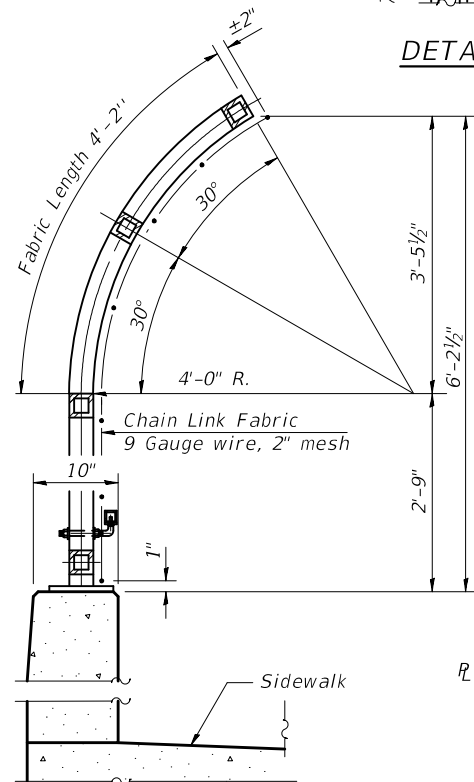
SHEET 12 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	79
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

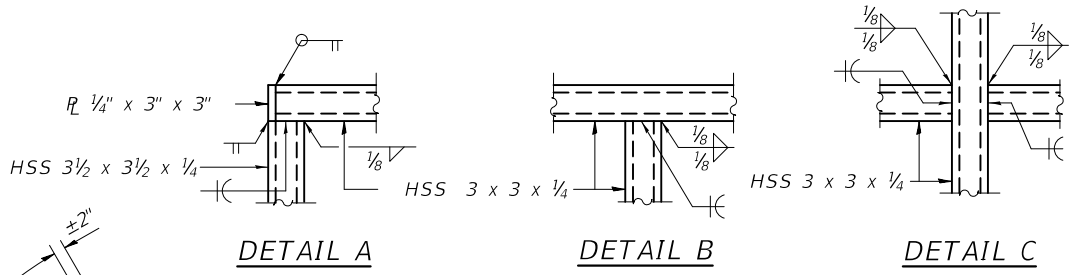
FEHR GRAHAM PROJECT NUMBER: 16-382C



ELEVATION
(Inside Face)



SECTION A-A

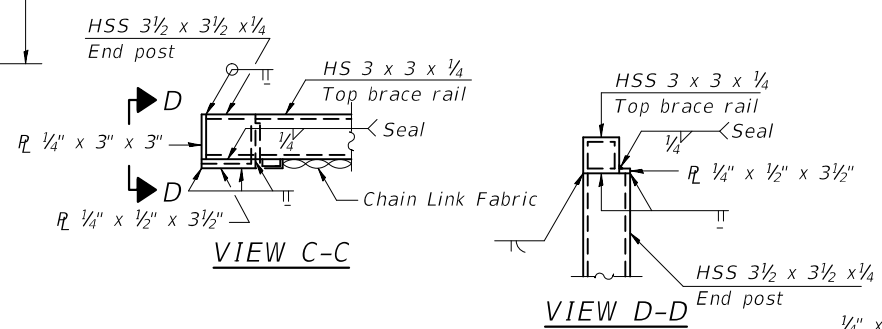


DETAIL A

DETAIL B

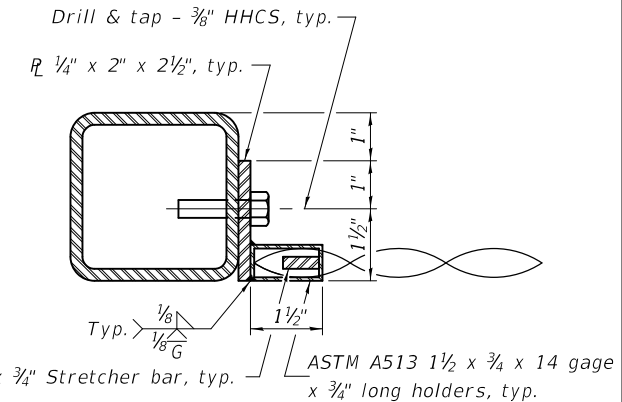
DETAIL C

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications. All of these elements, except the chain link fabric and ties, shall also be powder coated. At a minimum, the powder coating process shall consist of a zinc phosphate pretreatment/wash, a gray zinc rich primer coat and a black top coat.
The galvanized chain link fabric and ties shall be vinyl coated black according to Section 509 and Article 1006.27(a)(1)d of the Standard Specifications.

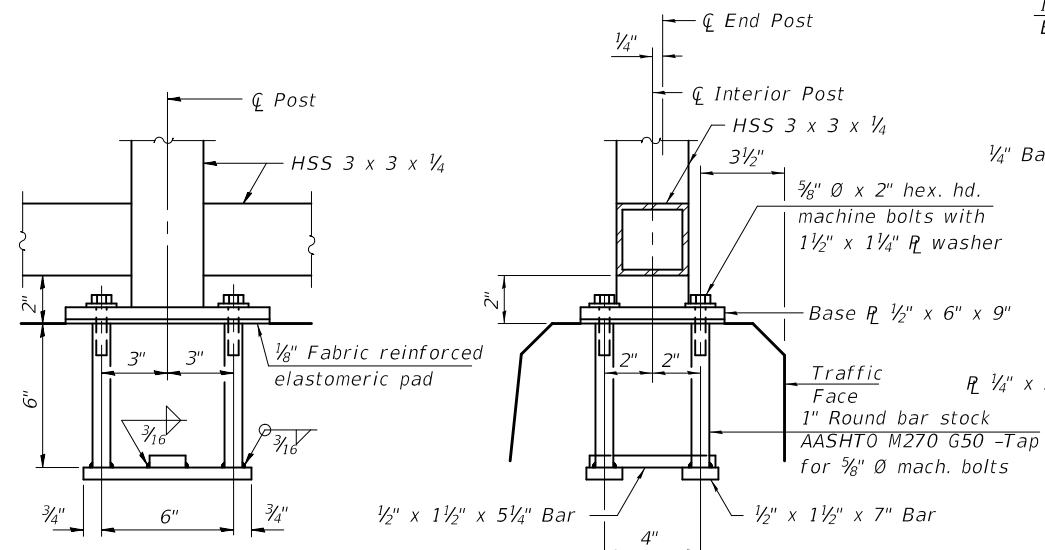


VIEW C-C

VIEW D-D

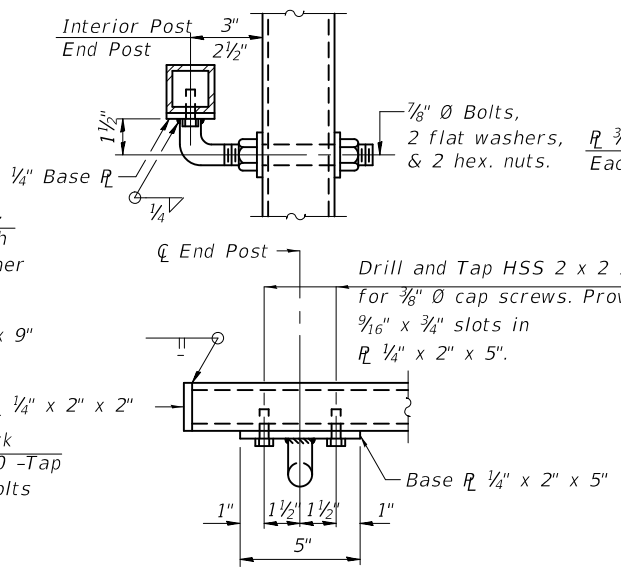


SECTION E-E

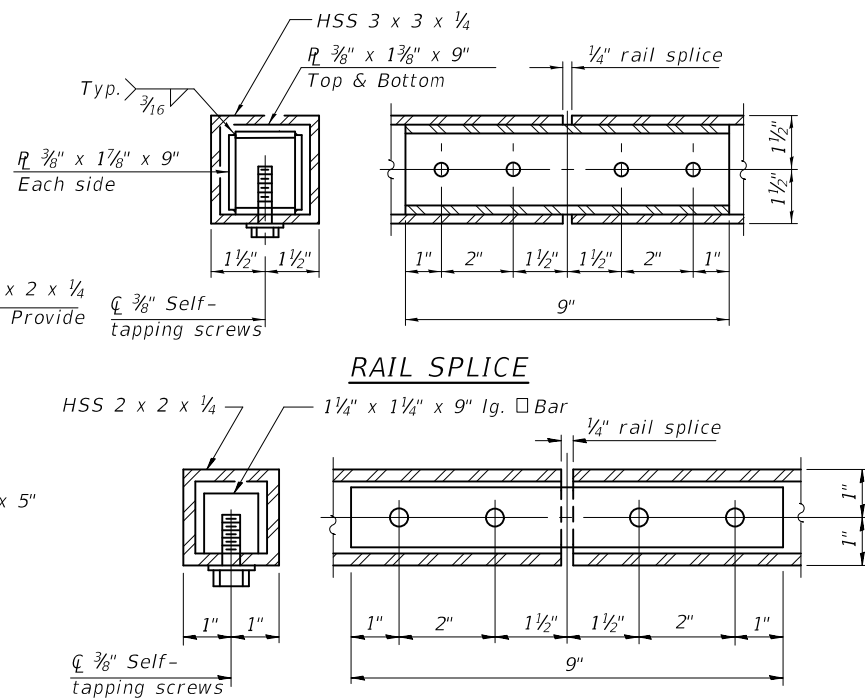


ANCHOR BOLT DETAILS

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

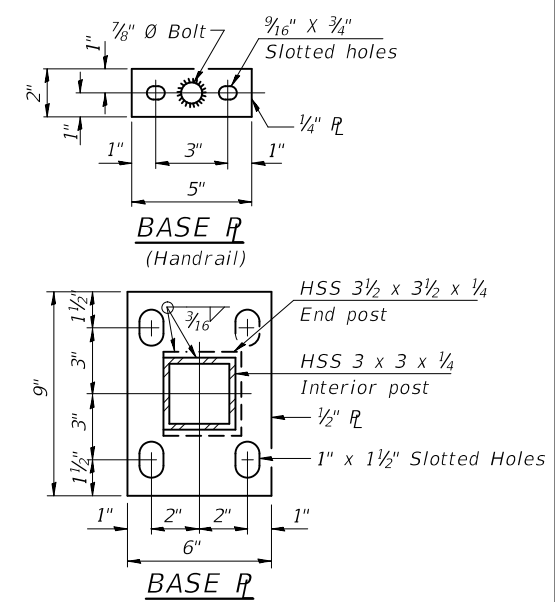


HANDRAIL DETAIL



RAIL SPLICE

HANDRAIL SPLICE



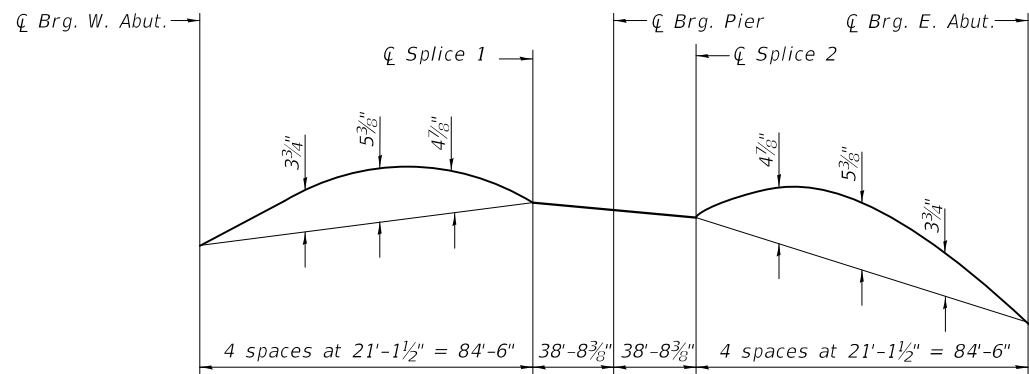
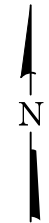
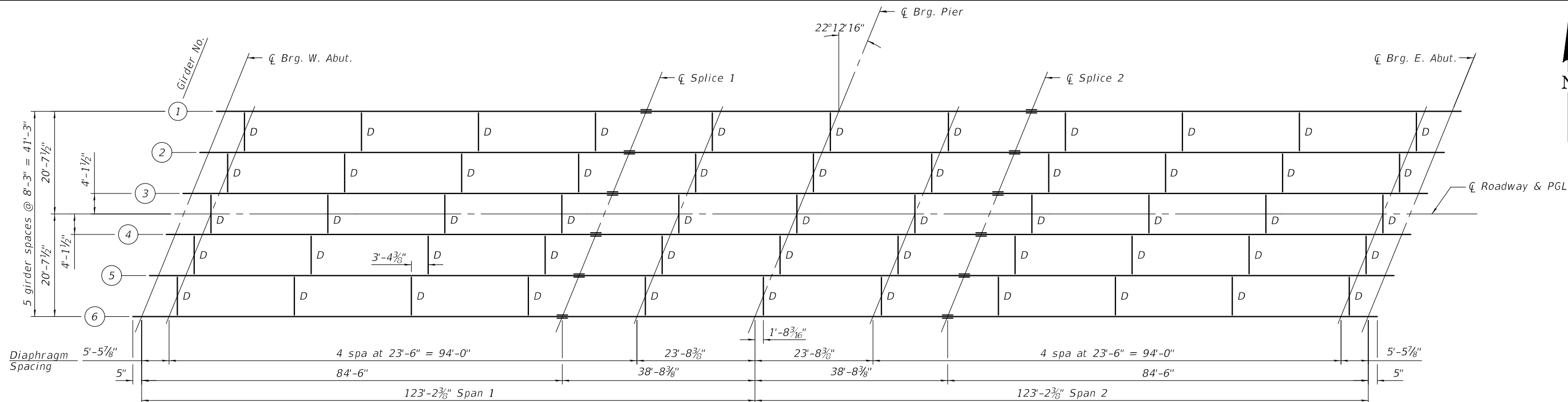
BASE R
(Handrail)

BASE R

BILL OF MATERIAL

Item	Unit	Quantity
Bridge Fence Railing	Foot	488
Powder Coating of Bridge Fence Railing	L. Sum	1

MODEL: Default
FILE NAME: ...100294-70A61-13-railing.dgn



CAMBER DIAGRAM

FRAMING PLAN

	Abut.	Pier
LLDF (k)	0.832	0.832
RDC1 (k)	46.9	191.8
RDC2 (k)	15.8	60.4
RDW (k)	12.0	45.8
R _{±IM} (k)	101.8	202.7
RTotal (k)	176.5	500.7

*TOP OF WEB ELEVATIONS

Location	Girder 1	Girder 2	Girder 3	Girder 4	Girder 5	Girder 6
Cl Brg. W. Abut.	762.75	762.83	762.88	762.80	762.58	762.33
Cl Splice 1	763.77	763.92	764.03	764.01	763.86	763.67
Cl Brg. Pier	763.57	763.75	763.89	763.90	763.78	763.62
Cl Splice 2	763.37	763.58	763.75	763.79	763.70	763.57
Cl Brg. E. Abut.	761.48	761.75	761.99	762.10	762.07	762.00

* For Fabrication use only

	0.4 Sp. 1 or 0.6 Sp. 2	Pier
Is	(in ⁴) 19927	63707
Ic(n)	(in ⁴) 49465	111937
Ic(3n)	(in ⁴) 36924	86121
Ic(cr)	(in ⁴) -----	70702
Ss	(in ³) 914	2549
Sc(n)	(in ³) 1238	2994
Sc(3n)	(in ³) 1142	2799
Sc(cr)	(in ³) -----	2639
DC1	(k/ft) 1.16	1.16
MDC1	(k) 903	3026
DC2	(k/ft) 0.373	0.373
MDC2	(k) 325	888
DW	(k/ft) 0.283	0.283
MDW	(k) 247	674
LLDF	(k) 0.621	0.621
M _{±IM}	(k) 1752	2430
Mu (Strength I)	(k) 4971	10155
Øf Mn	(k) 6215	-----
fs DC1	(ksi) 11.9	14.2
fs DC2	(ksi) 3.4	4.0
fs DW	(ksi) 2.6	3.1
fs (±IM)	(ksi) 17.0	11.0
fs (Service II)	(ksi) 40.0	35.6
0.95Rh Fyf	(ksi) 47.5	47.5
fs (Total)(Strength I)	(ksi) -----	46.8
Øf Fn	(ksi) -----	50.0
Vf	(k) 32.5	-----

- Is, Ss: Non-composite moment of inertia and section modulus of the steel section used for computing fs(Total-Strength I, and Service II) due to non-composite dead loads (in.⁴ and in.³).
- Ic(n), Sc(n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing fs(Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in.⁴ and in.³).
- Ic(3n), Sc(3n): Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing fs(Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in.⁴ and in.³).
- Ic(cr), Sc(cr): Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing fs (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.⁴ and in.³).
- DC1: Un-factored non-composite dead load (kips/ft.).
- MDC1: Un-factored moment due to non-composite dead load (kip-ft.).
- DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- MDC2: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- MDW: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- M_{±IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
- Mu (Strength I): Factored design moment (kip-ft.).
- 1.25 (MDC1 + MDC2) + 1.5 MDW + 1.75 M_{±IM}
- Øf Mn: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft.).
- fs DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
- MDC1/ Snc
- fs DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
- MDC2/ Sc(3n) or MDC2/ Sc(cr) as applicable.
- fs DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
- MDW/ Sc(3n) or MDW/ Sc(cr) as applicable.
- fs (±IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
- M_{±IM} / Sc(n) or M_{±IM} / Sc(cr) as applicable.
- fs (Service II): Sum of stresses as computed below (ksi).
- fsDC1 + fsDC2 + fsDW + 1.3 fs(±IM)
- 0.95RhFyf: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).
- fs (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
- 1.25 (fsDC1 + fsDC2) + 1.5 fsDW + 1.75 fs(±IM)
- Øf Fn: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).
- Vf: Maximum factored shear range in span computed according to Article 6.10.10.

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USER NAME = myoung	DESIGNED - MCB	REVISED -
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PLOT DATE = 10/17/2018	CHECKED - MCB	REVISED -

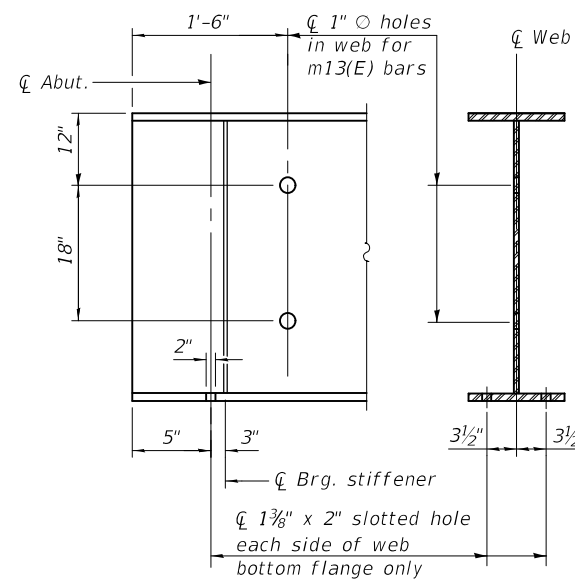
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN
STRUCTURE NO. 010-0294

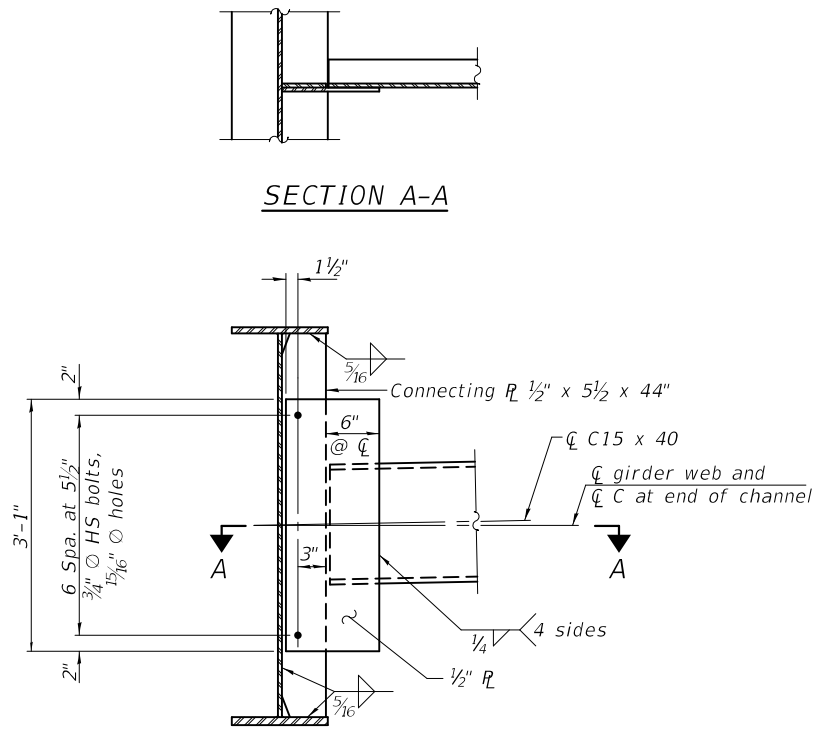
SHEET 14 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

FEHR GRAHAM PROJECT NUMBER: 16-382C

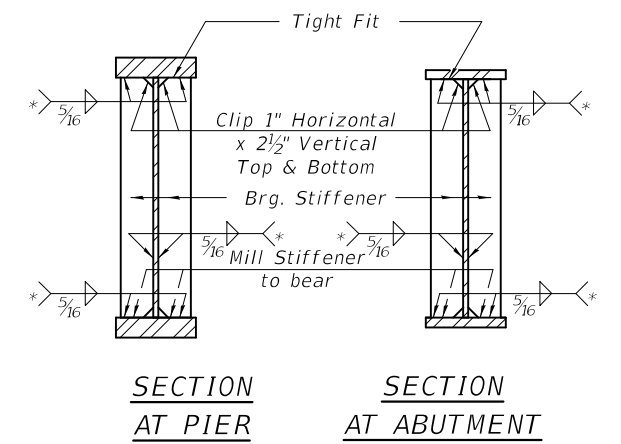


END OF GIRDER DETAIL
(Showing required hole locations)



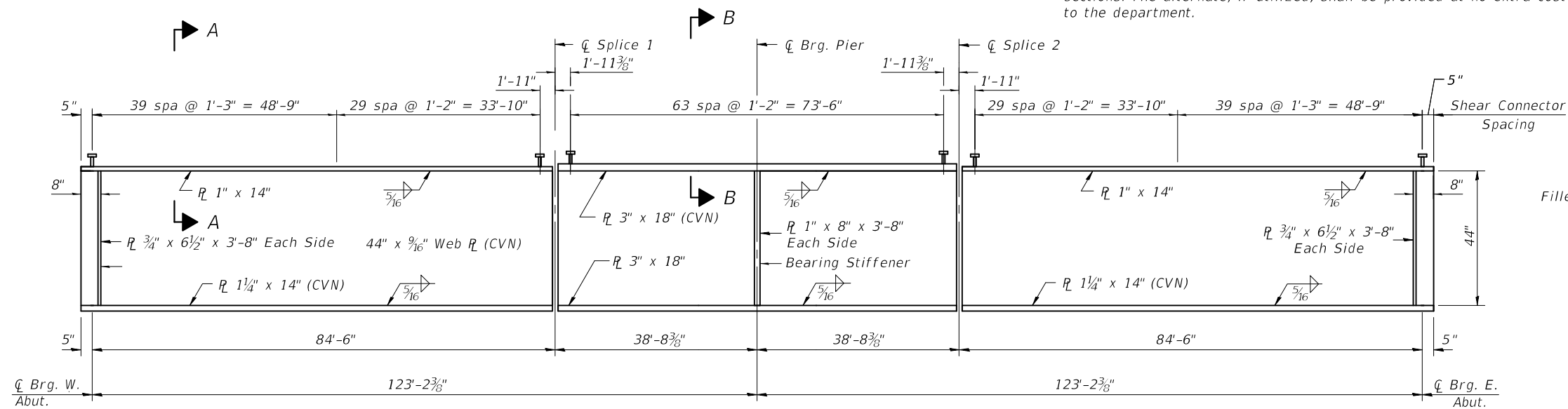
INTERIOR DIAPHRAGM

Note:
Two hardened washers required for each set of oversized holes.
Alternate channels C15x50 are permitted to facilitate material acquisition. Calculated weight of structural steel is based on C15x40 sections. The alternate, if utilized, shall be provided at no extra cost to the department.



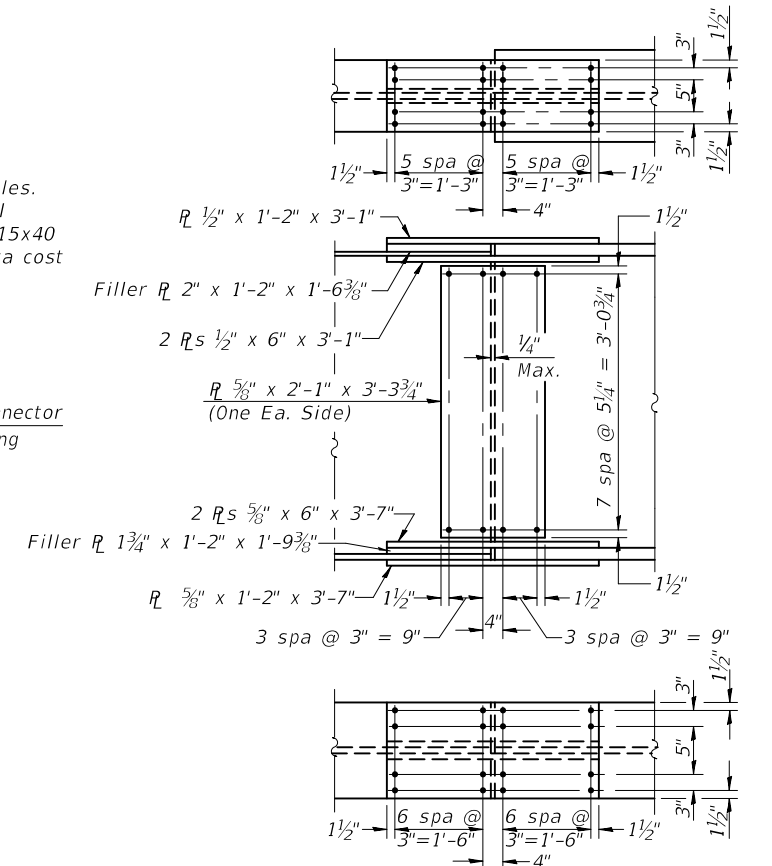
SECTION AT PIER **SECTION AT ABUTMENT**

* Terminate 1/4" (±1/8") from the end of plate intersects.



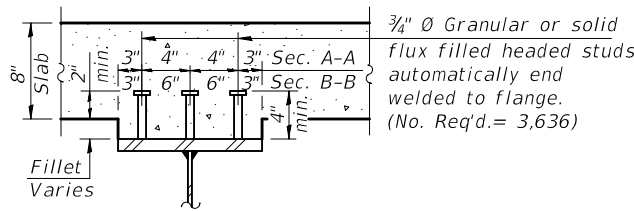
GIRDER ELEVATION

"CVN" denotes Charpy-V-Notch impact energy requirements, zone 2.



FIELD SPLICE DETAIL

Note:
Splice plates shall be AASHTO M270 Grade 50.
Use 3/8" ø HS Bolts with 1 1/16" ø holes for all splice plate connections.
All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
All splice plates, except filler plates, shall meet charpy-v-notch impact requirements, zone 2.
All flange, web and bearing stiffener plates shall be AASHTO M270 Grade 50.



SECTION A-A

G-1 2-17-2017

MODEL: Default
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	DRAWN - MMY	REVISED -
PLOT DATE = 10/17/2018	CHECKED - MCB	REVISED -

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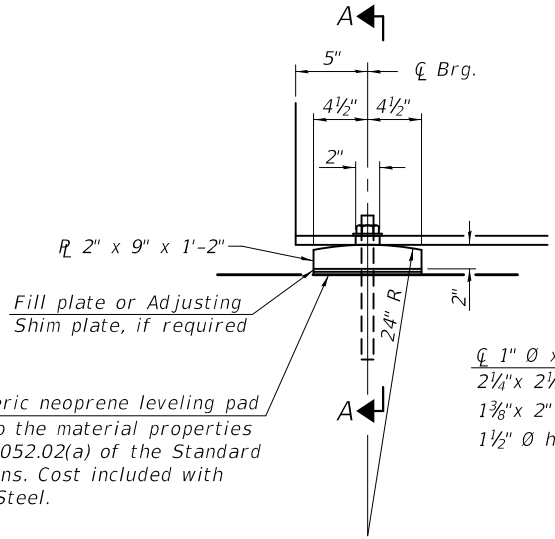
STRUCTURAL STEEL
STRUCTURE NO. 010-0294

SHEET 15 OF 24 SHEETS

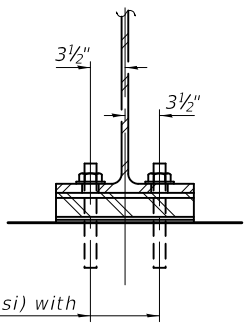
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	02
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 70A61

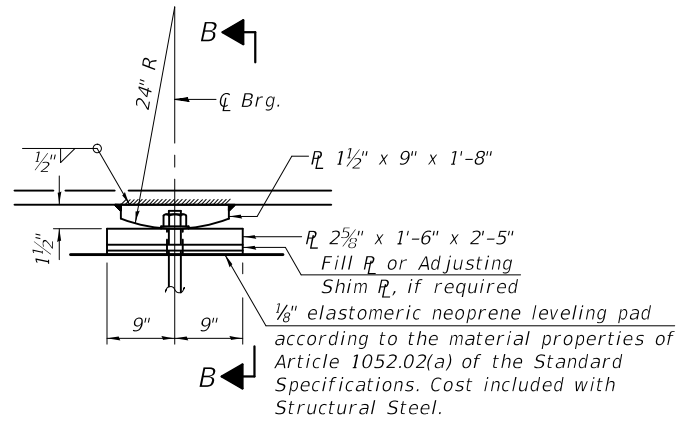
FEHR GRAHAM PROJECT NUMBER: 16-382C



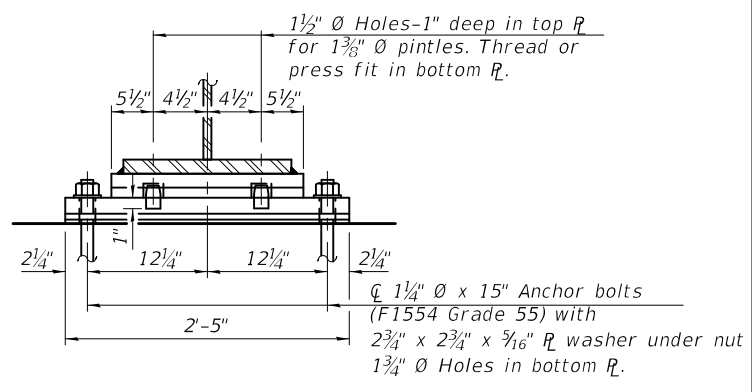
ELEVATION AT ABUTMENT



SECTION A-A



ELEVATION AT PIER



SECTION B-B

FIXED BEARING AT PIER

1/8" elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the Standard Specifications. Cost included with Structural Steel.

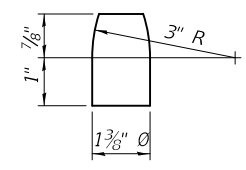
1" ϕ x 12" anchor bolts (Fy=36 ksi) with 2 1/4" x 2 1/4" x 5/16" ϕ washer under nut. 1 3/8" x 2" slotted hole in flange. 1 1/2" ϕ holes in bearing plate.

1/8" elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the Standard Specifications. Cost included with Structural Steel.

1 1/2" ϕ Holes-1" deep in top ϕ for 1 3/8" ϕ pintles. Thread or press fit in bottom ϕ .

1 1/4" ϕ x 15" Anchor bolts (F1554 Grade 55) with 2 3/4" x 2 3/4" x 5/16" ϕ washer under nut. 1 3/4" ϕ Holes in bottom ϕ .

FIXED BEARING AT ABUTMENT



PINTLE

FILL PLATE THICKNESSES

Girder	W. Abut. Fill t	E. Abut. Fill t	Pier
2	1"		
3	1 1/2"		
4	5/8"	1/4"	1/8"

Notes:
 Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
 Anchor bolts at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
 Anchor bolts shall be according to Article 521.06 of the Standard Specifications.
 Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
 Girders shall be braced for stability during erection and remain braced until deck is poured and cured.
 Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, 1"	Each	24
Anchor Bolts, 1 1/4"	Each	12

MODEL: Default
 FILE NAME: g:\svb\ss4\1616-382c\bridge\0100294-70A61-16-bearing.dgn

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 ILLINOIS DESIGN FIRM NO. 184-003525

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	CHECKED - KEB	REVISED -
	DRAWN - MMY	REVISED -
PLOT DATE = 10/17/2018	CHECKED - MCB	REVISED -

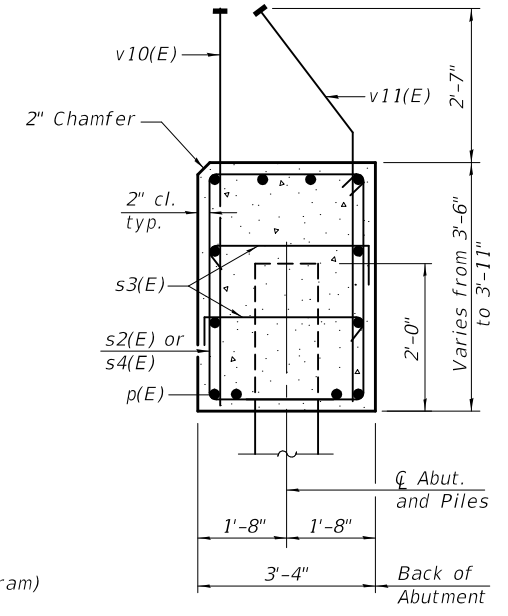
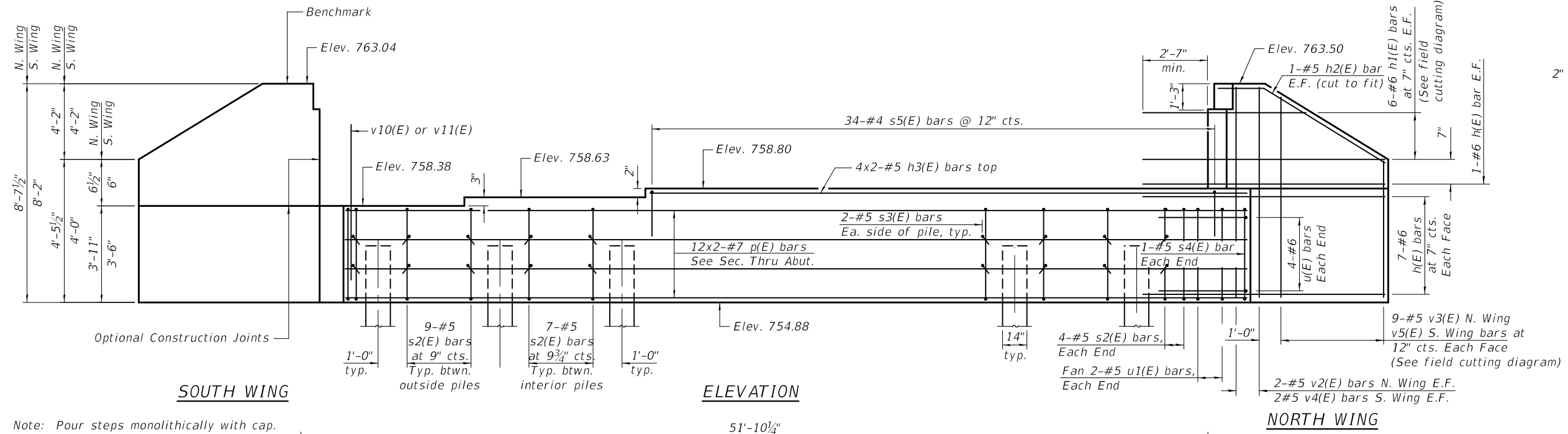
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
 STRUCTURE NO. 010-0294

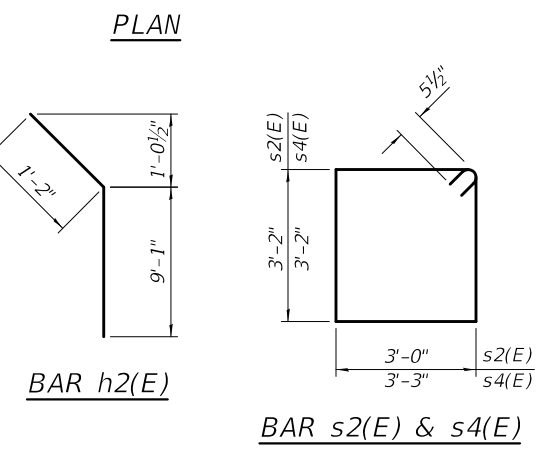
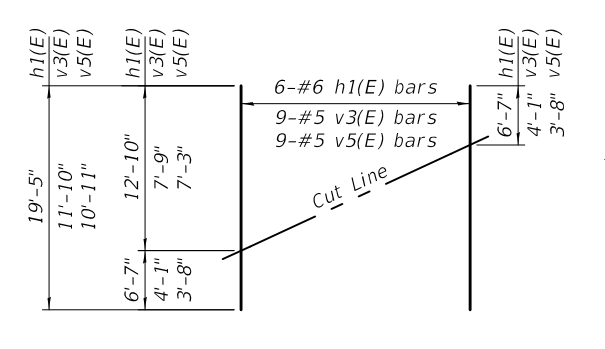
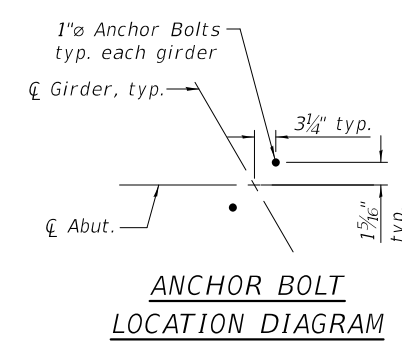
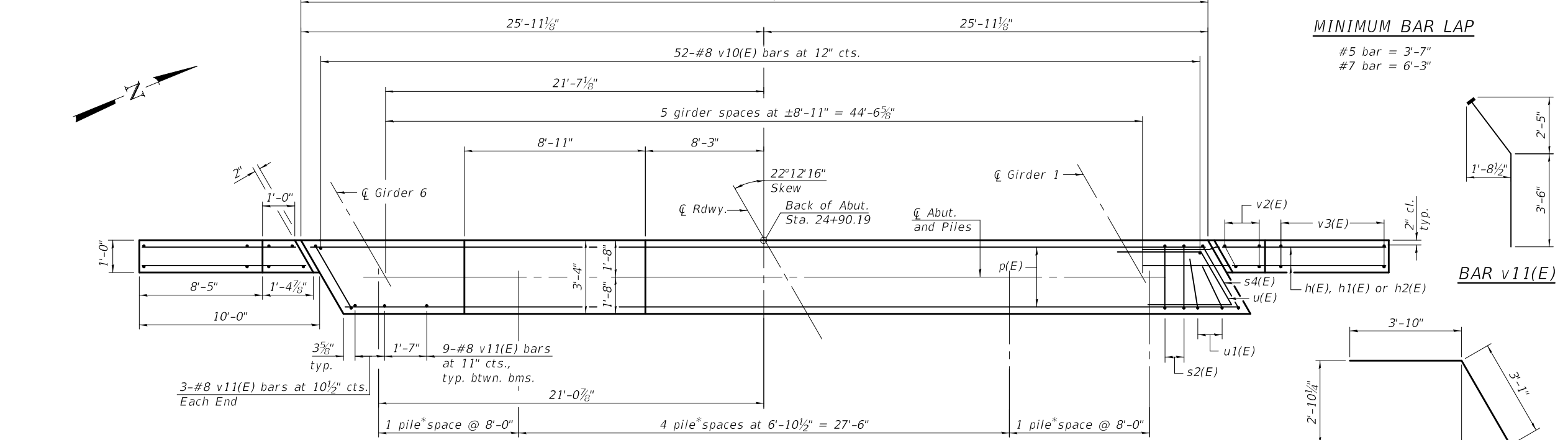
SHEET 16 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	83
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

FEHR GRAHAM PROJECT NUMBER: 16-382C



Note: Pour steps monolithically with cap.



MINIMUM BAR LAP

#5 bar = 3'-7"
#7 bar = 6'-3"

SEC. THRU ABUT.
Dimensions at right angles to abutment.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	32	#6	12'-10"	—
h1(E)	12	#6	19'-5"	—
h2(E)	4	#5	10'-3"	—
h3(E)	8	#5	19'-4"	—
p(E)	24	#7	28'-11"	—
s2(E)	54	#5	13'-3"	□
s3(E)	28	#5	4'-0"	□
s4(E)	2	#5	13'-9"	□
s5(E)	34	#4	7'-6"	□
u(E)	8	#6	10'-9"	—
u1(E)	4	#5	7'-2"	—
v2(E)	4	#5	8'-3"	—
v3(E)	9	#5	11'-10"	—
v4(E)	4	#5	7'-10"	—
v5(E)	9	#5	10'-11"	—
v10(E)	52	#8	5'-11"	—
v11(E)	51	#8	5'-11"	—
Structure Excavation		Cu. Yd.	207	
Concrete Structures		Cu. Yd.	28.8	
Reinforcement Bars, Epoxy Coated		Pound	5720	
Furnishing Metal Shell Piles, 14"x0.312"		Foot	396	
Driving Piles		Foot	396	
Test Pile, Metal Shells		Each	1	

For details of piles see sheet 20 of 24.

PILE DATA
Type: Metal Shells 14"x0.312"
Nominal Required Bearing: 470
Factored Resistance Available: 259
Est. Length: 66'
No. Production Piles: 6
No. Test Piles: 1

Abutment piles shall be installed in 18" Ø pre-cored holes drilled 10' deep below the cap and backfilled with Bentonite. Cost included in driving piles.

MODEL: Default
FILE NAME: g:\w81_ss4\16116-382c\bridge\0100294-70A61-17-wabut.dgn

AI->40-L 2-17-2017

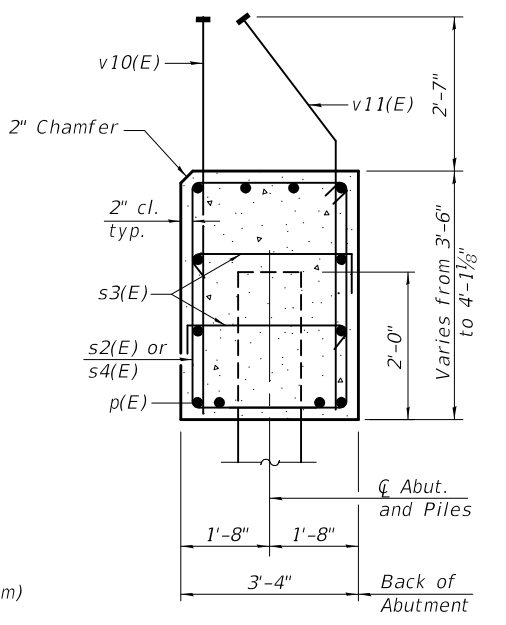
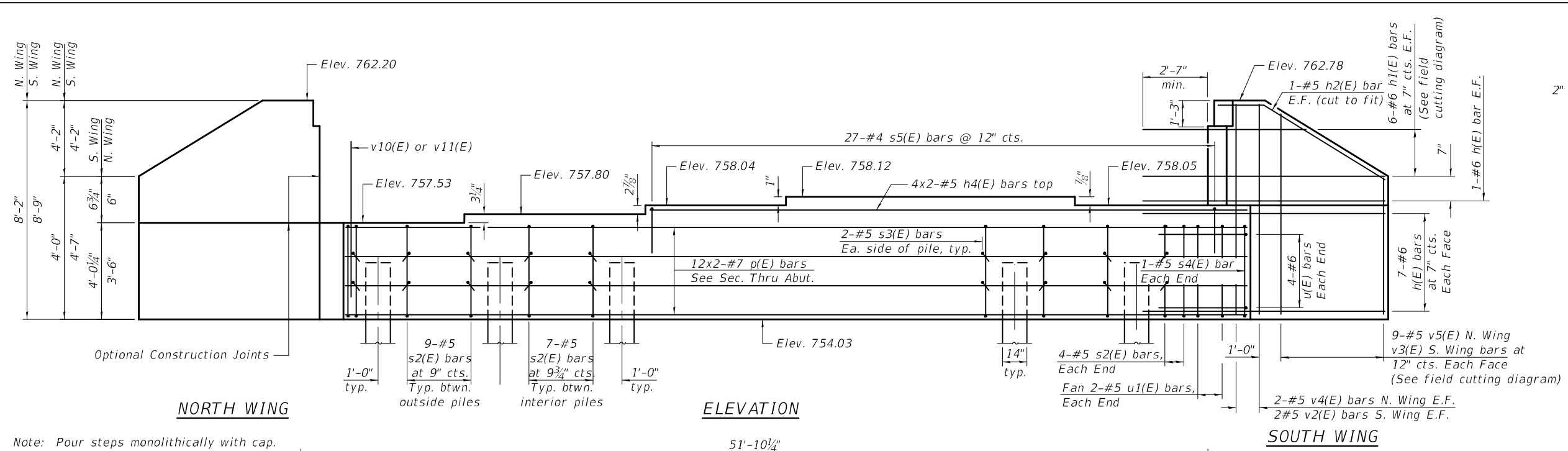
FEHR GRAHAM ENGINEERING & ENVIRONMENTAL ILLINOIS DESIGN FIRM NO. 184-003525	USER NAME = myoung	DESIGNED - MCB	REVISED -
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	PLOT DATE = 11/30/2018	CHECKED - MCB	REVISED -

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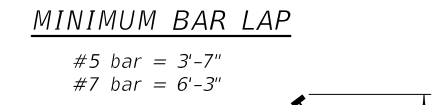
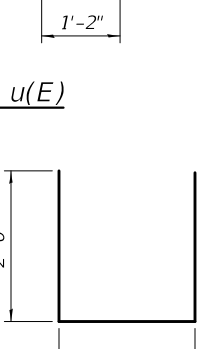
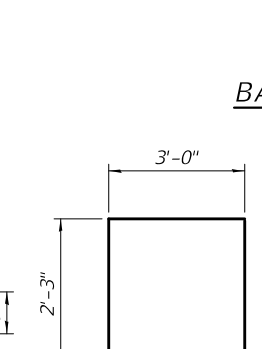
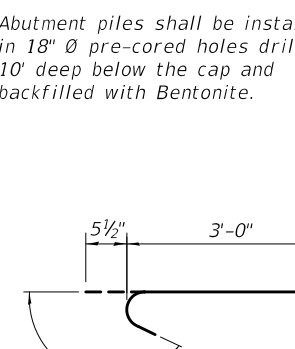
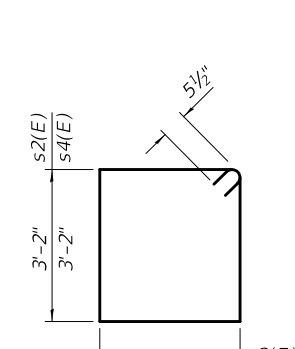
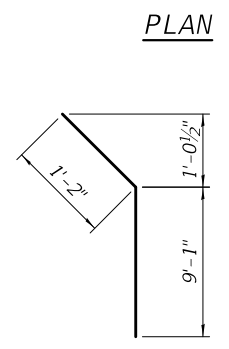
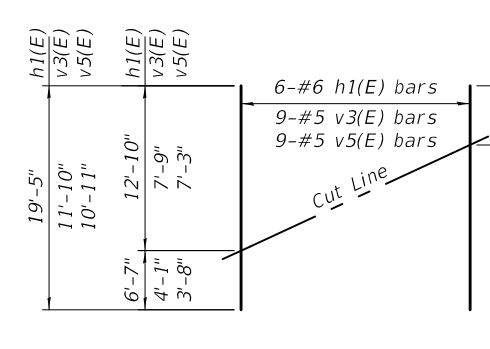
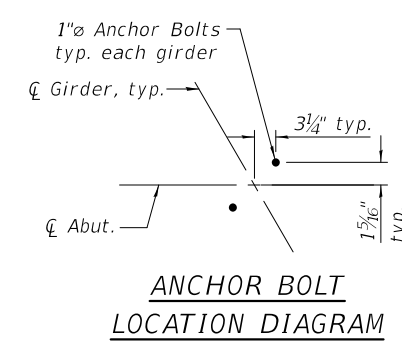
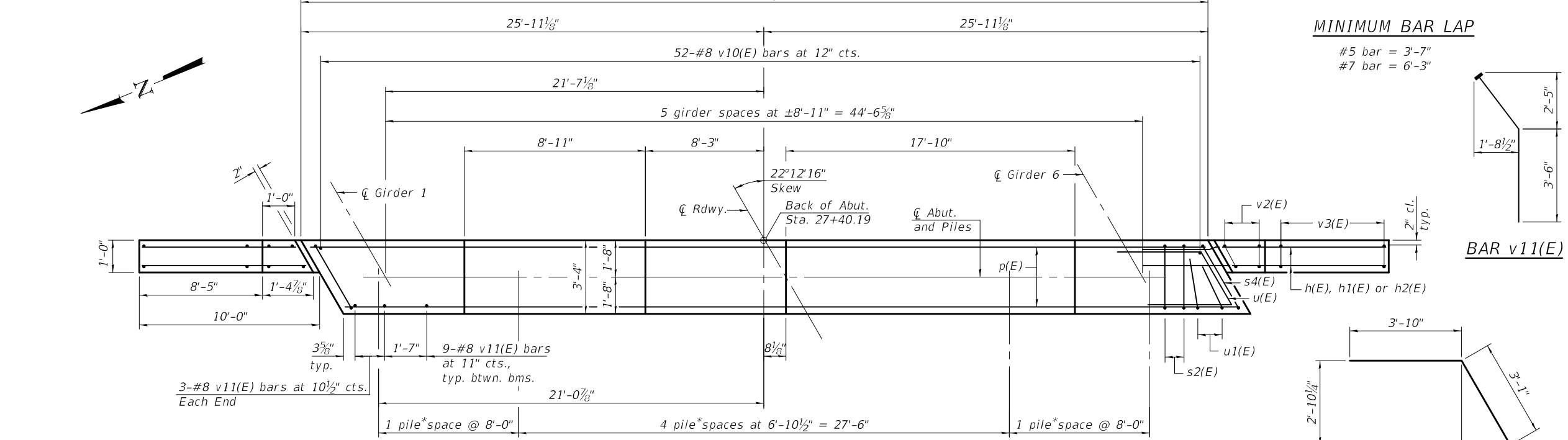
WEST ABUTMENT
STRUCTURE NO. 010-0294

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	84
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

SHEET 17 OF 24 SHEETS



Note: Pour steps monolithically with cap.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	32	#6	12'-10"	—
h1(E)	12	#6	19'-5"	—
h2(E)	4	#5	10'-3"	—
h4(E)	8	#5	19'-6"	—
p(E)	24	#7	28'-11"	—
s2(E)	54	#5	13'-3"	□
s3(E)	28	#5	4'-0"	□
s4(E)	2	#5	13'-9"	□
s5(E)	27	#4	7'-6"	□
u(E)	8	#6	10'-9"	—
u1(E)	4	#5	7'-2"	—
v2(E)	4	#5	8'-3"	—
v3(E)	9	#5	11'-10"	—
v4(E)	4	#5	7'-10"	—
v5(E)	9	#5	10'-11"	—
v10(E)	52	#8	5'-11"	—
v11(E)	51	#8	5'-11"	—
Structure Excavation		Cu. Yd.	207	
Concrete Structures		Cu. Yd.	29.5	
Reinforcement Bars, Epoxy Coated		Pound	5680	
Furnishing Metal Shell Piles, 14"x0.312"		Foot	282	
Driving Piles		Foot	282	
Test Pile, Metal Shells		Each	1	

For details of piles see sheet 20 of 24.

PILE DATA

Type: Metal Shells 14"x0.312"
 Nominal Required Bearing: 471
 Factored Resistance Available: 259
 Est. Length: 47'
 No. Production Piles: 6
 No. Test Piles: 1

Abutment piles shall be installed in 18" Ø pre-cored holes drilled 10' deep below the cap and backfilled with Bentonite. Cost included in driving piles.

MODEL: Default
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AI->40-L
FEHR GRAHAM
 ENGINEERING & ENVIRONMENTAL
 ILLINOIS DESIGN FIRM NO. 184-003525
 FEHR GRAHAM PROJECT NUMBER: 16-382C

USER NAME = myoung	DESIGNED - MCB	REVISED -
	CHECKED - KEB	REVISED -
	DRAWN - MMY	REVISED -
PLOT DATE = 11/30/2018	CHECKED - MCB	REVISED -

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EAST ABUTMENT
 STRUCTURE NO. 010-0294

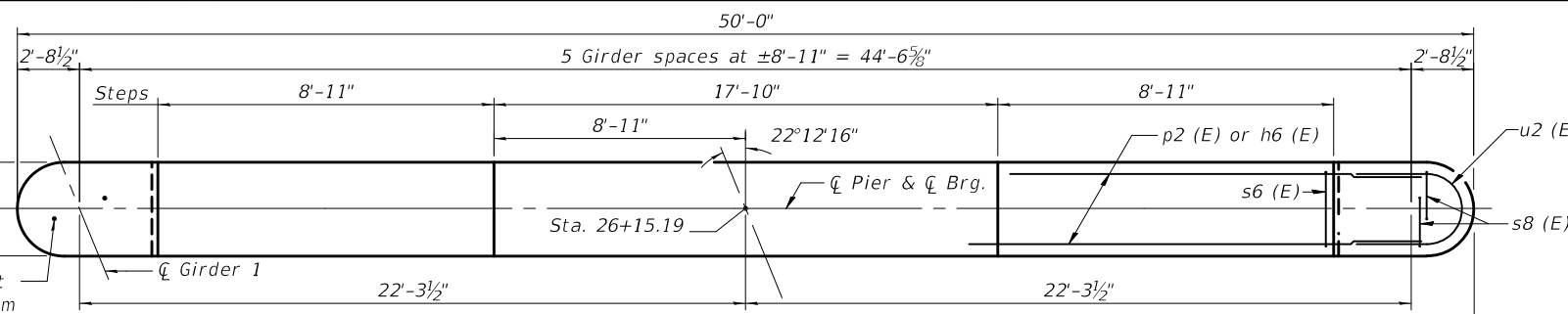
SHEET 18 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	85
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

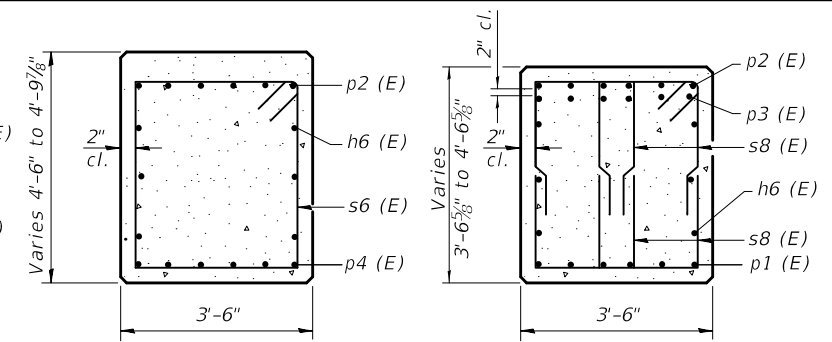
Notes:
 Space reinforcement in cap to miss anchor bolts.
 Pour steps monolithically with cap.
 For details of piles, see sheet 20 of 23.
 When splicing of spiral reinforcement is necessary, the spirals shall be provided with 1½ extra turns at the ends to be spliced.
 These additional turns shall either be welded together according to AWS D1.4, or shall both terminate with a 135° standard hook.

PILE DATA
 Type: Metal Shells 14 x 0.312
 Nominal Required Bearing: 513
 Factored Resistance Available: 282
 Est. Length: 53'
 No. Production Piles: 26
 No. Test Piles: 1

See Anchor Bolt Location Diagram

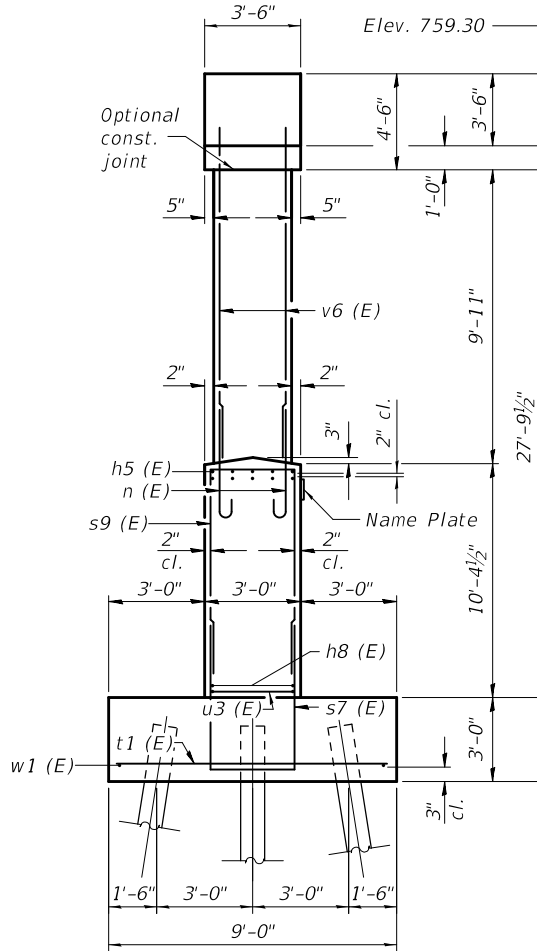


TOP PLAN

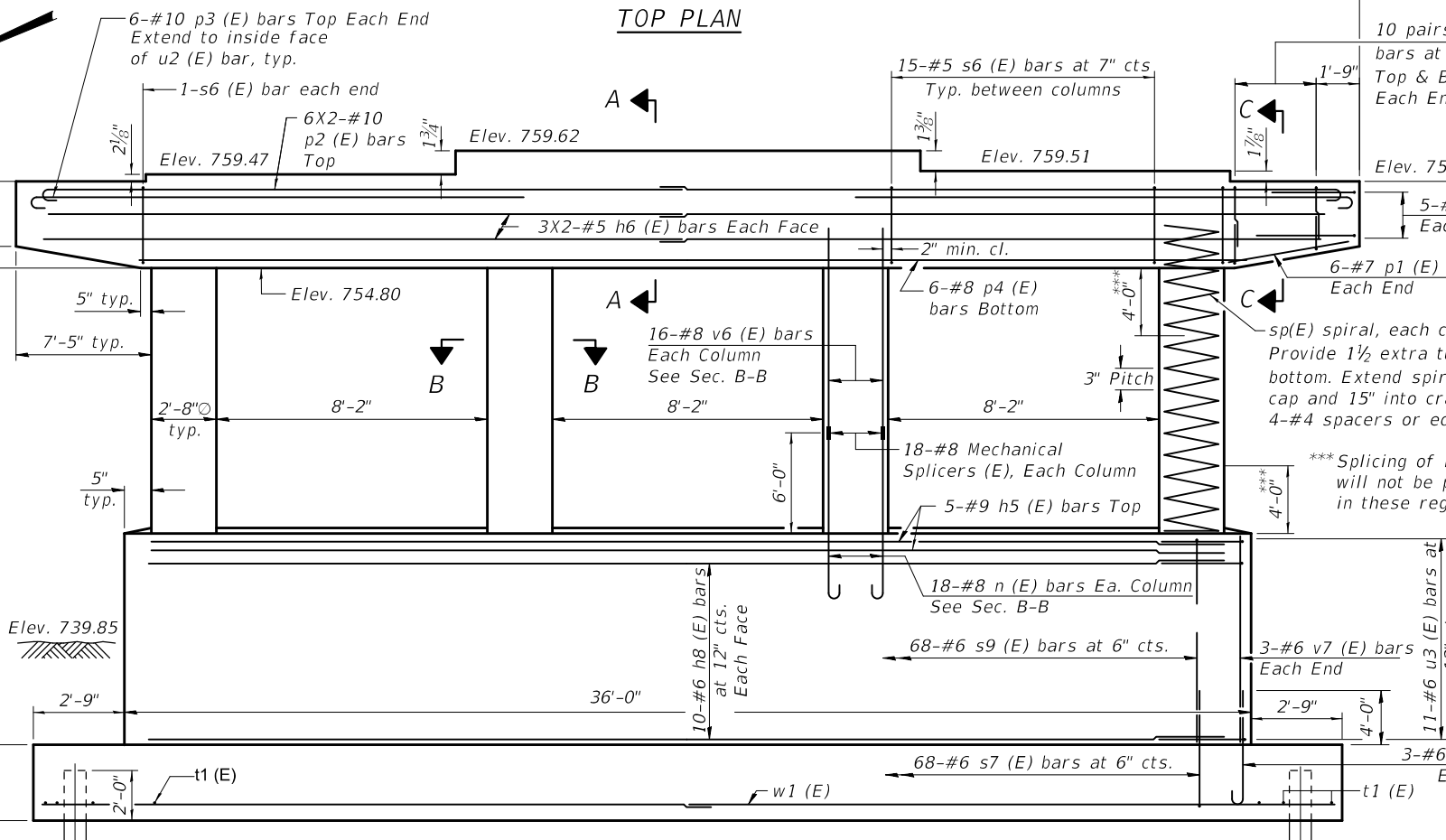


SEC. A-A

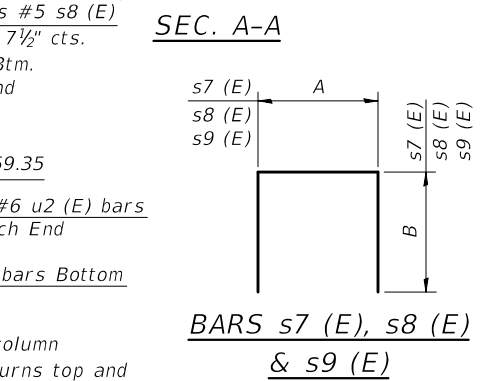
SEC. C-C



END VIEW



ELEVATION
(Looking East)



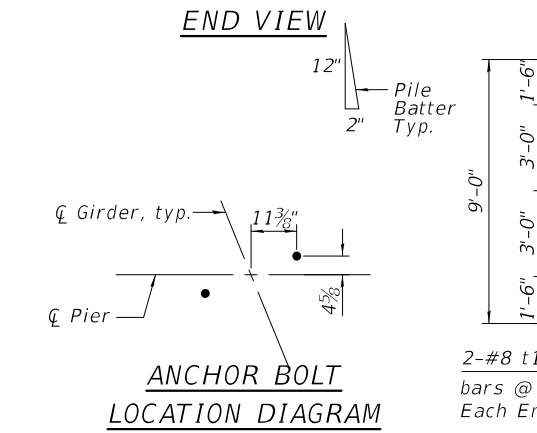
BARS s7 (E), s8 (E) & s9 (E)

BAR p1 (E)

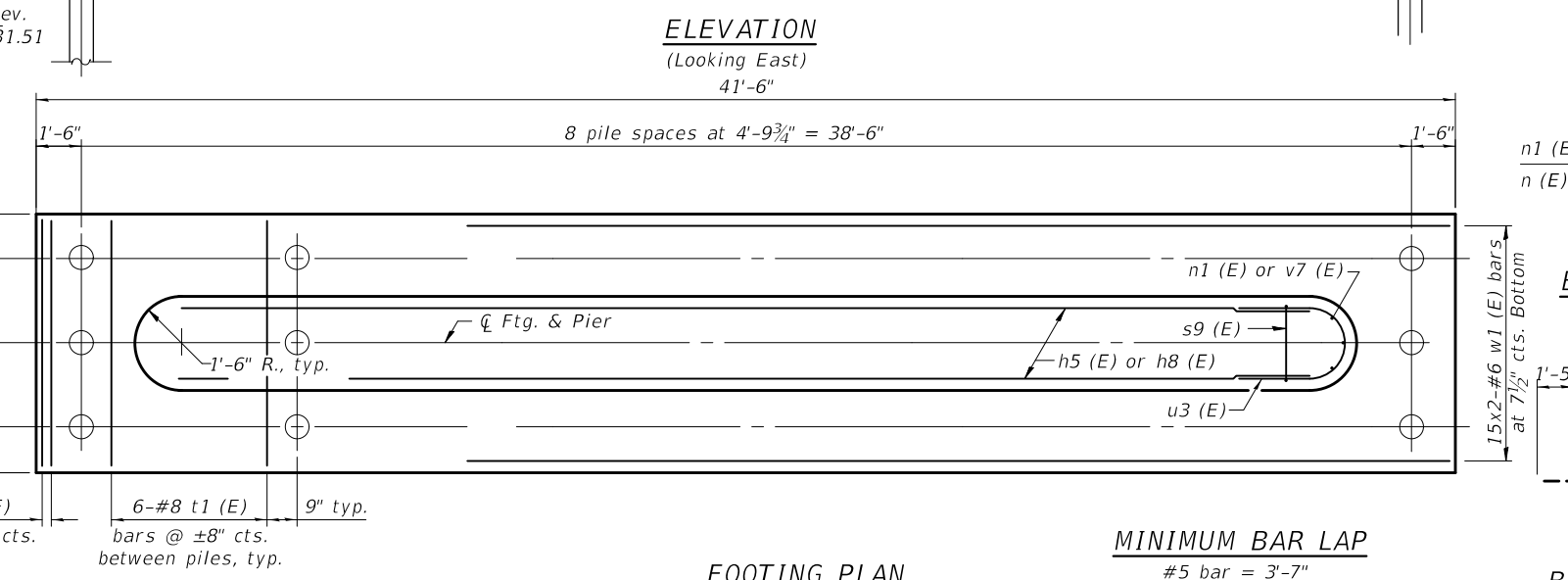
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h5 (E)	10	#9	35'-8"	—
h6 (E)	12	#5	25'-1"	—
h8 (E)	20	#6	35'-8"	—
n (E)	72	#8	9'-5"	U
n1 (E)	6	#6	7'-5"	U
p1 (E)	12	#7	11'-9"	—
p2 (E)	12	#10	30'-8"	—
p3 (E)	12	#10	20'-9"	—
p4 (E)	6	#8	35'-8"	—
s6 (E)	47	#5	15'-7"	□
s7 (E)	68	#6	16'-2"	□
s8 (E)	80	#5	8'-2"	□
s9 (E)	68	#6	22'-6"	□
sp(E)	4	#4	12'-6"	W
t1 (E)	52	#8	8'-8"	—
u2 (E)	10	#6	12'-6"	—
u3 (E)	22	#6	11'-8"	—
v6 (E)	64	#8	8'-1"	—
v7 (E)	6	#6	9'-11"	—
w1 (E)	30	#6	22'-9"	—
Structure Excavation		Cu. Yd.	183	
Concrete Structures		Cu. Yd.	118.1	
Reinforcement Bars, Epoxy Coated		Pound	18,700	
Furnishing Metal Shell Piles 14 x 0.312		Foot	1,378	
Driving Piles		Foot	1,378	
Test Pile Metal Shells		Each	1	

* Length is height of spiral.



ANCHOR BOLT LOCATION DIAGRAM



FOOTING PLAN

MINIMUM BAR LAP

#5 bar = 3'-7"
 #7 bar = 5'-0"
 #10 bar = 8'-9"

BARS n (E) & n1 (E)

BARS u2 (E) & u3 (E)

BARS p2 (E) & p3 (E)

BAR s6 (E)

P-24 2-17-2017

MODEL: Default
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DRAWN -	MMY
CHECKED -	MCB
PLOT DATE =	11/30/2018

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CHECKED -	MCB, KEB	REVISED -	
DRAWN -	MMY	REVISED -	
CHECKED -	MCB	REVISED -	

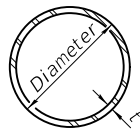
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER
 STRUCTURE NO. 010-0294

SHEET 19 OF 24 SHEETS

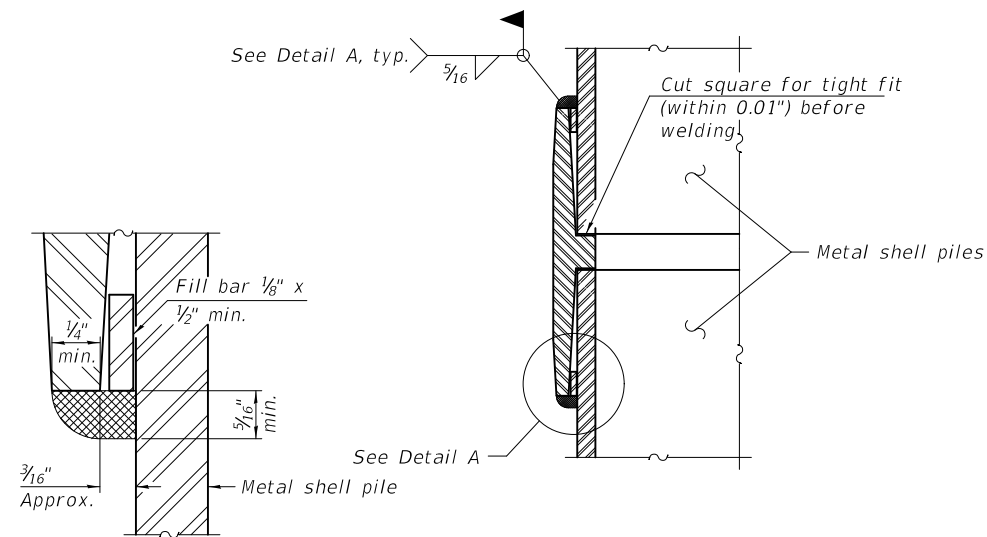
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	86
ILLINOIS			FED. AID PROJECT	

FEHR GRAHAM PROJECT NUMBER: 16-382C

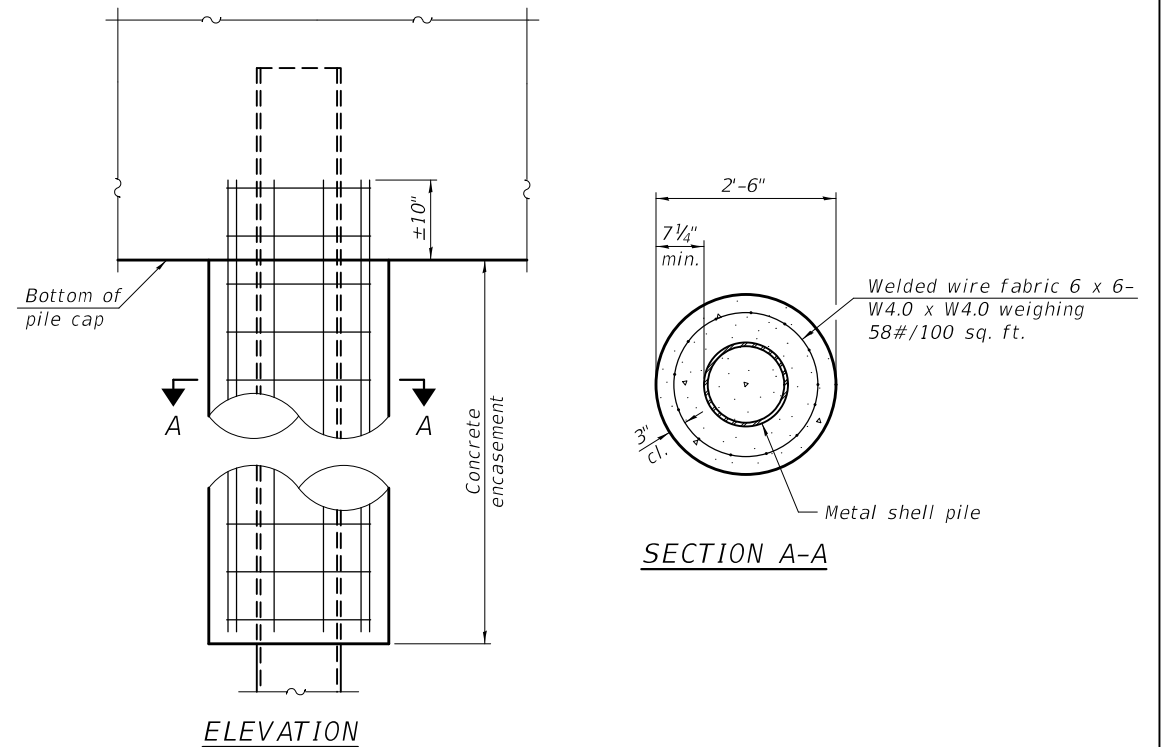


METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



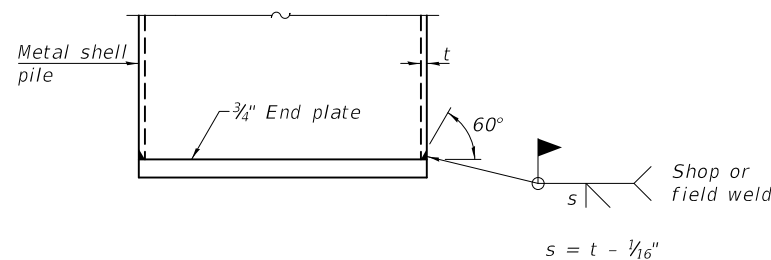
DETAIL A



ELEVATION

SECTION A-A

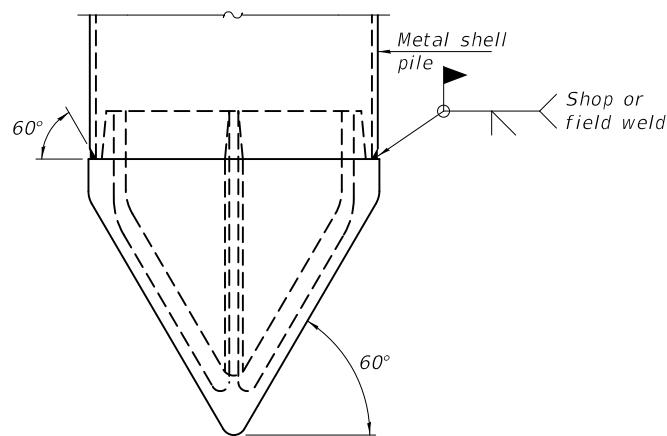
INDIVIDUAL PILE CONCRETE ENCASEMENT AT PIERS



END PLATE ATTACHMENT

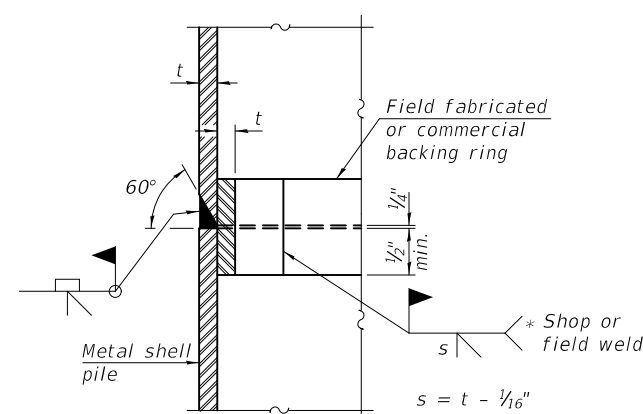
WELDED COMMERCIAL SPLICE

Notes:
 The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
 Pile segments shall be driven to solid contact with splicer before welding.



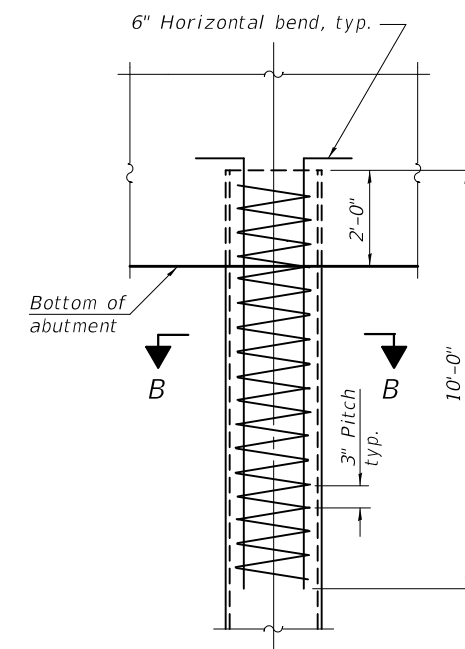
PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).



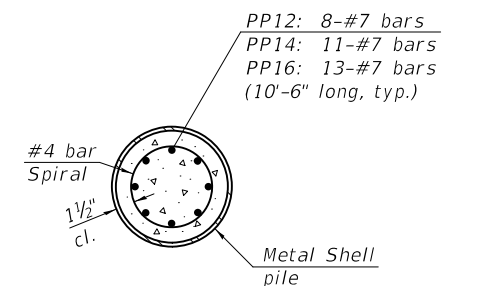
COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION

REINFORCEMENT AT ABUTMENTS



SECTION B-B

Note:
 The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

MODEL: Default
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F-MS 8-11-2017

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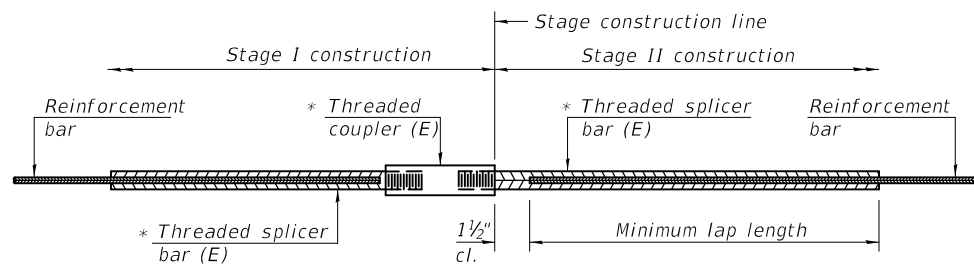
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**METAL SHELL PILE DETAILS
 STRUCTURE NO. 010-0294**

SHEET 20 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	87
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

FEHR GRAHAM PROJECT NUMBER: 16-382C

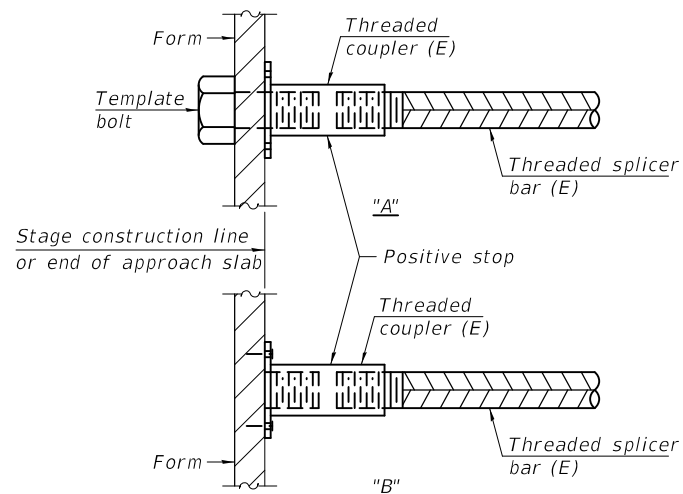


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

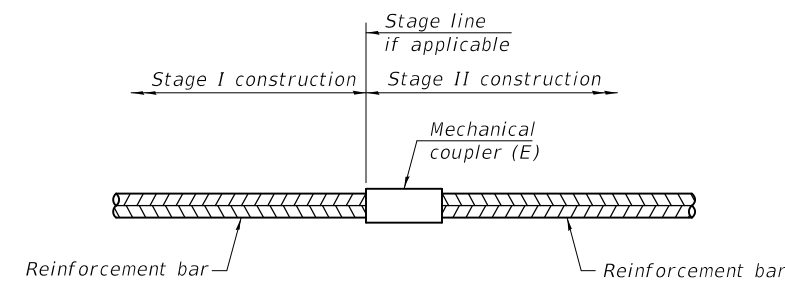
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length



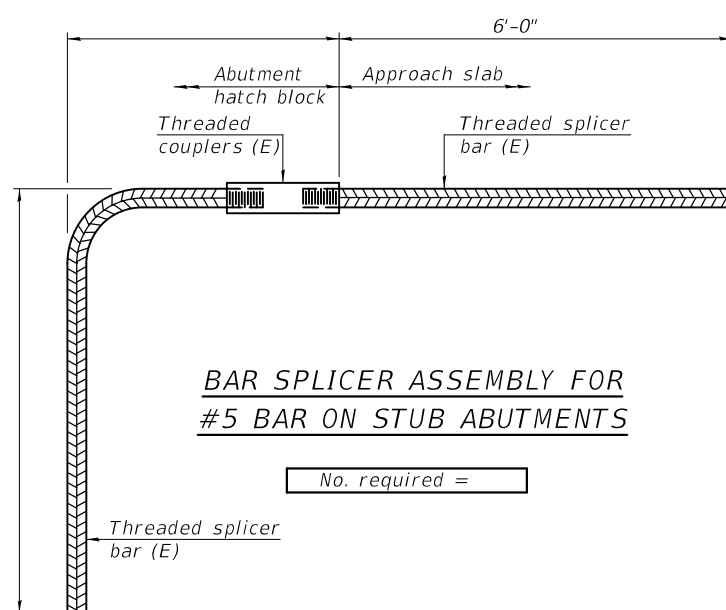
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
Pier	#8	72



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

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

MODEL: Default
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BSD-1

2-17-2017

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	DRAWN - MMY	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 010-0294

SHEET 21 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	88
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

FEHR GRAHAM PROJECT NUMBER: 16-382C



3705 Progress Blvd
Peru, IL 61354
815 780-8486

SOIL BORING LOG

Solutions You Can Build On Date 3/7/16

ROUTE FAU 7110 DESCRIPTION Bradley Ave. over IL-57 (Center Pier) LOGGED BY TLM

SECTION 10-33RR LOCATION SEC. TWP. RNG. Latitude Longitude

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 010-0294 (Prop.) Station 509+81.62
BORING NO. SB-2 Station 28+39.19 Offset 30.0 ft LL
Ground Surface Elev. 741.57 ft

Description	Depth (ft)	Blow Count (6")	SPT (tsf)	Penetration (%)	Surface Water Elev. - ft	Stream Bed Elev. - ft	Groundwater Elev.: First Encounter Dry ft Upon Completion Dry ft After - Hrs. Dry ft	Depth (ft)	Blow Count (6")	SPT (tsf)	Penetration (%)
Stiff Dark Brown & Black Silty Clay Fill, trace organics	2							4			
	3	1.7	24					4	1.8	13	
	7	B						7	S		
	4							3			
	6	3.3	22					3	1.2	13	
	7	B						6	B		
	-5							-25			
	735.07										
Stiff Brown/Gray Silty Clay Till	2							4			
	3	1.0	17					5	1.6	13	
	7	P						7	B		
	3							3			
	4	1.7	15					3	1.4	13	
	6	B						6	B		
	-10							-30			
	730.07										
Medium Dense Brown Silt	4										
	7	2.1	22								
	11	B									
	728.57										
Very Stiff Gray Silty Clay Till	4							2			
	6	2.1	13					4	1.4	13	
	8	B						5	B		
	-15							-35			
	4										
	7	3.1	12								
	10	B									
	723.57										
Stiff Gray Silty Clay Till	4							2			
	4	1.9	13					3	1.6	15	
	6	B						5	B		
	-20							701.57	-40		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



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Peru, IL 61354
815 780-8486

SOIL BORING LOG

Solutions You Can Build On Date 3/7/16

ROUTE FAU 7110 DESCRIPTION Bradley Ave. over IL-57 (Center Pier) LOGGED BY TLM

SECTION 10-33RR LOCATION SEC. TWP. RNG. Latitude Longitude

COUNTY Champaign DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 010-0294 (Prop.) Station 509+81.62
BORING NO. SB-2 Station 28+39.19 Offset 30.0 ft LL
Ground Surface Elev. 741.57 ft

Description	Depth (ft)	Blow Count (6")	SPT (tsf)	Penetration (%)	Surface Water Elev. - ft	Stream Bed Elev. - ft	Groundwater Elev.: First Encounter Dry ft Upon Completion Dry ft After - Hrs. Dry ft	Depth (ft)	Blow Count (6")	SPT (tsf)	Penetration (%)
Stiff Gray Clay Loam Till	4							4			
	7	1.8	13					7	1.8	13	
	11	B						11	B		
	5							5			
	8	1.6	13					8	1.6	13	
	8	B						8	B		
	-50							-50			
	693.07										
Soft Silt Seam	5							5			
	8	1.6	13					7	1.8	12	
	8	B						11	B		
	-50							-55			
	683.07										
Gray Silty Clay Loam Till	4							4			
	6	1.9	12					6	1.9	12	
	9	B						9	B		
	-60							-60			
	679.57										
Hard Gray Clay Loam Till	15							15			
	21	4.5	9					21	4.5	9	
	45	P						45	P		
	-65							-65			
	666.57										
No Recovery	43							43			
	40							40			
	67							67			
	665.07										
End of Boring											
	16							16			
	28							28			
	30		6					30		6	
	44							44			
	-70							-70			
	666.57										
	665.07										
	683.07										

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

MODEL: Default
FILE NAME: g:\V81_ss4\1616-382c\bridge\0100294-70A61-23-boring.dgn



USER NAME = myoung	DESIGNED - MCB	REVISED -
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PLOT DATE = 10/17/2018	CHECKED - MCB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

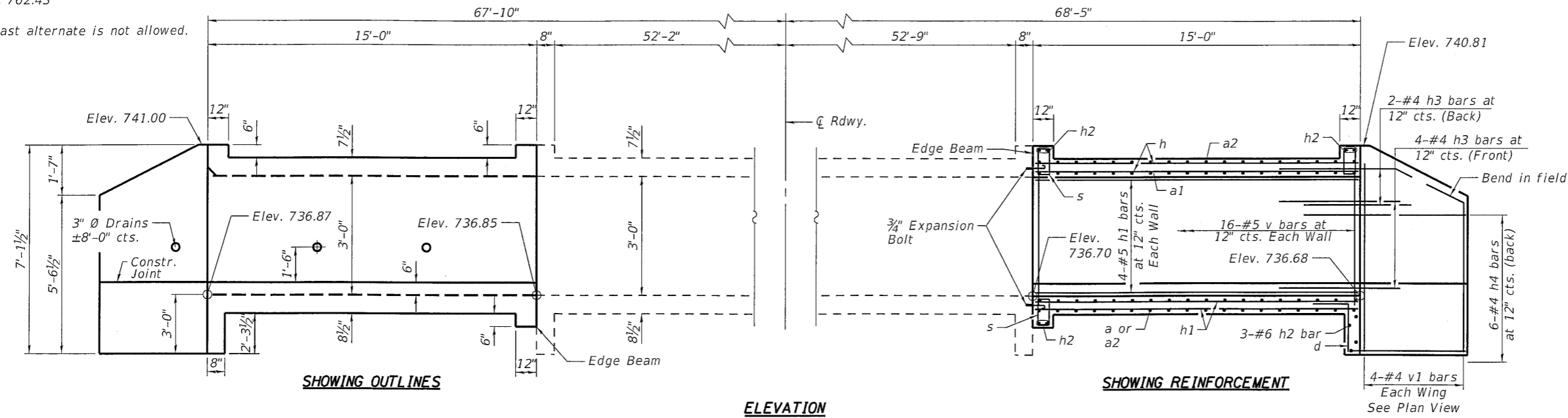
BORING LOGS
STRUCTURE NO. 010-0294

SHEET 23 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	90
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

Benchmark: # 4651-2 Chiseled Square on top of bridge curb at the NE corner of SN 010-0174, 13.26' Lt. Sta. 27+38.99, Elev. 762.43

Precast alternate is not allowed.

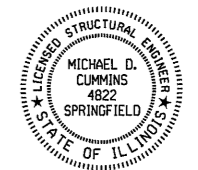
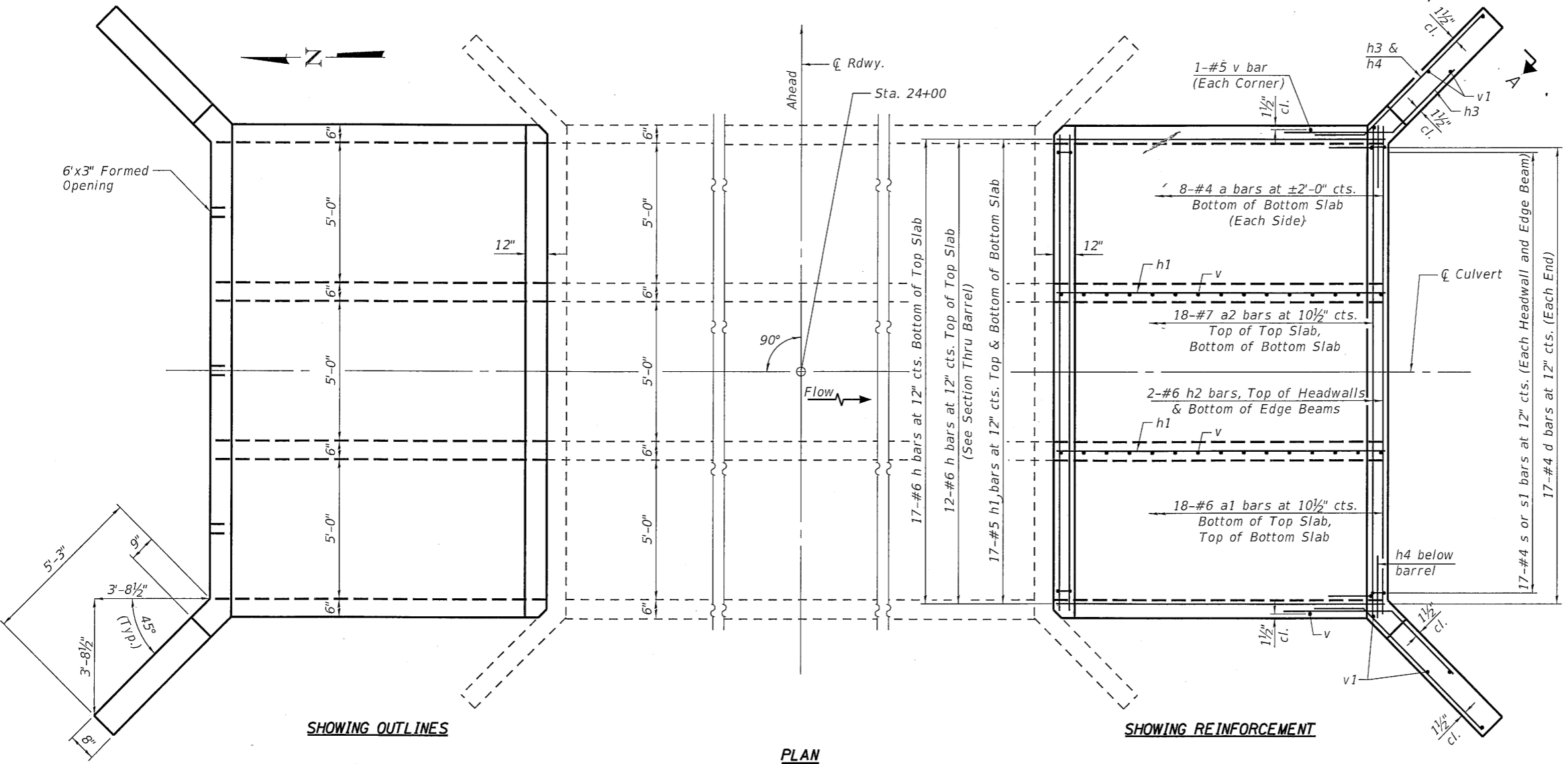


LOADING HS20
 Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
 2002 AASHTO Standard Specifications
 for Highway Bridges

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)



Michael D. Cummins 10/19/18
 ILLINOIS STRUCTURAL NO. 4822
 (Expires 11/30/18)

GENERAL PLAN AND ELEVATION
 F.A.I. 57
 SECTION 10-33BR
 CHAMPAIGN COUNTY
 STA 24+00

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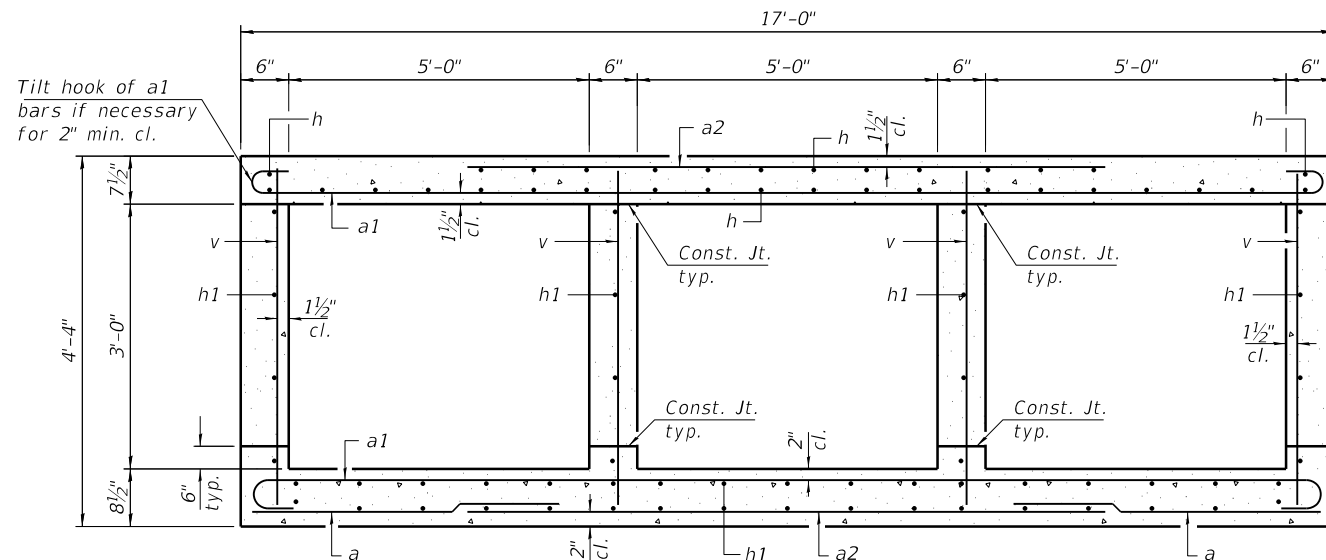
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PLOT DATE	10/19/2018

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CHECKED	- MDC	REVISED	-
DRAWN	- SJS	REVISED	-
CHECKED	- MDC	REVISED	-

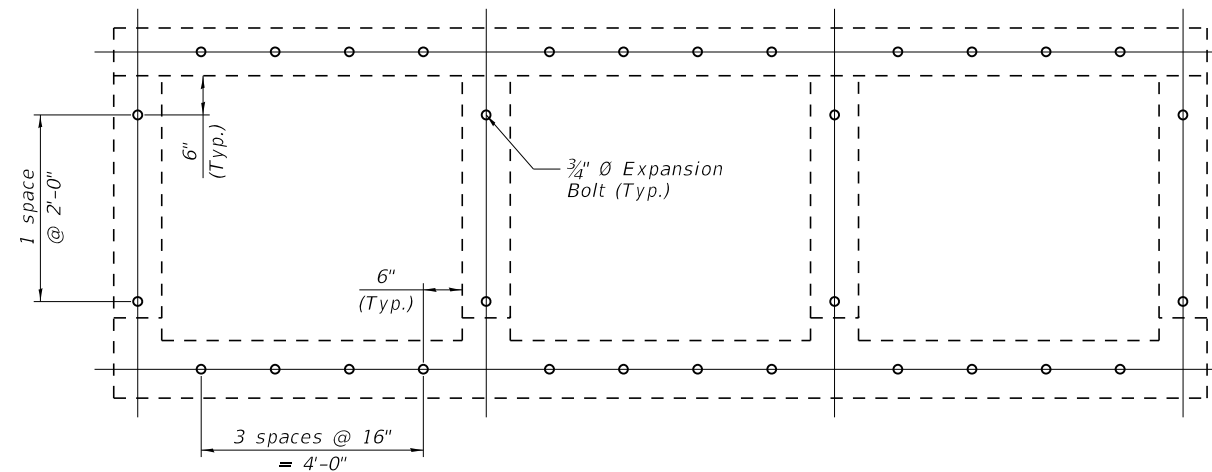
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT EXTENSION DETAILS STA 24+00
 SHEET 1 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	92
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				



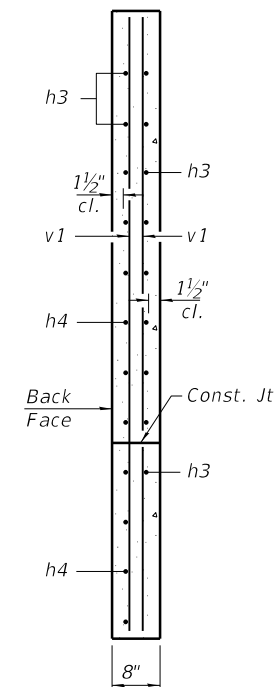
SECTION THRU BARREL



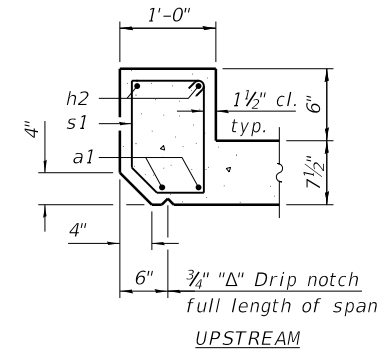
EXISTING END VIEW

(Showing Placement of 3/4" Ø Expansion Bolts)

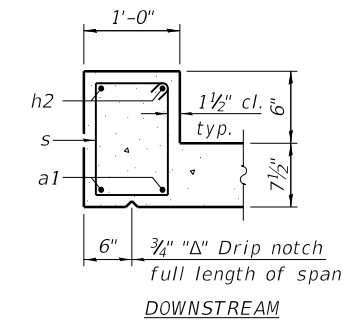
Note: Expansion Bolts shall be 3/4" Ø hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.



SECTION A-A



UPSTREAM



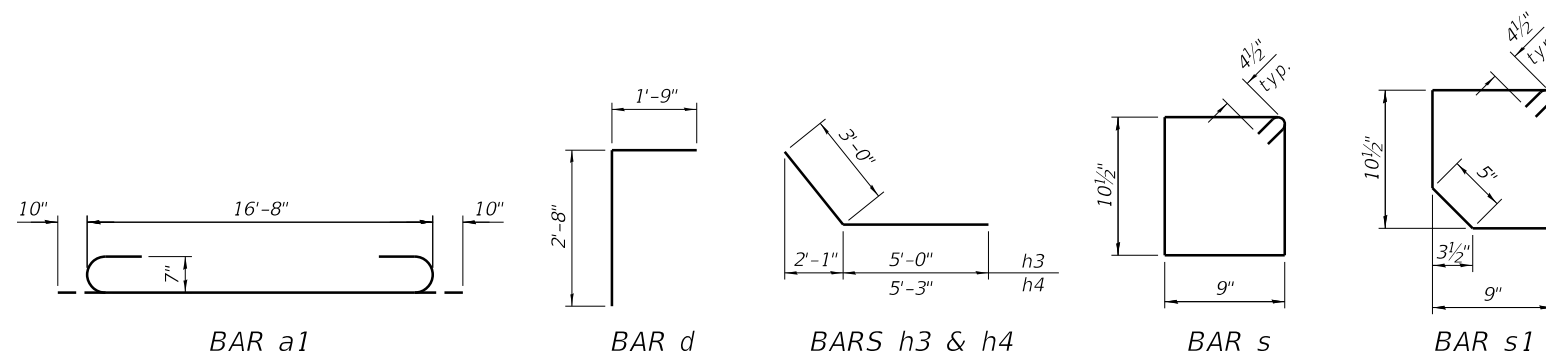
DOWNSTREAM

SECTION THRU HEADWALL

Note: Section thru Edge Beam is similar.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	32	#4	5'-3"	—
a1	36	#6	18'-4"	—
a2	36	#7	11'-6"	—
d	34	#4	4'-5"	└
h	58	#6	14'-6"	—
h1	100	#5	14'-8"	—
h2	18	#6	16'-8"	—
h3	24	#4	8'-0"	└
h4	24	#4	8'-3"	└
s	85	#4	4'-0"	□
s1	17	#4	3'-10"	□
v	132	#5	4'-0"	—
v1	16	#4	6'-9"	—
Concrete Box Culverts			Cu. Yd.	38.8
Reinforcement Bars			Pound	6450
Expansion Bolts 3/4 Inch			Each	32



GENERAL PLAN AND ELEVATION
F.A.I. 57
SECTION 10-33BR
CHAMPAIGN COUNTY
STA 24+00

MODEL: Default
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CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

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PLOT DATE = 10/19/2018	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

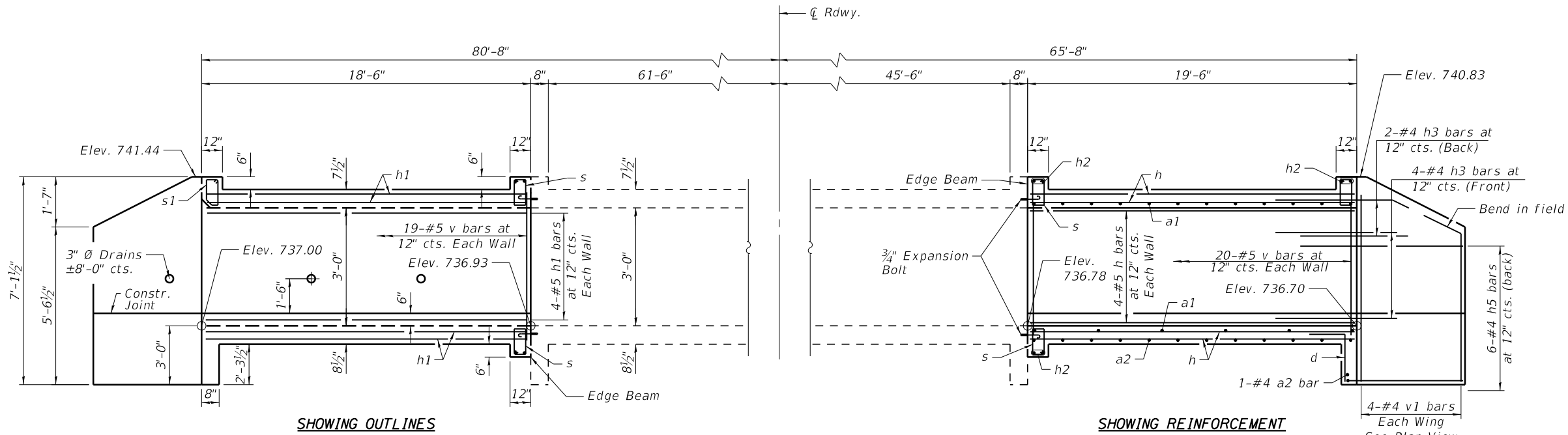
CULVERT EXTENSION DETAILS STA 24+00

SHEET 2 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	93
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

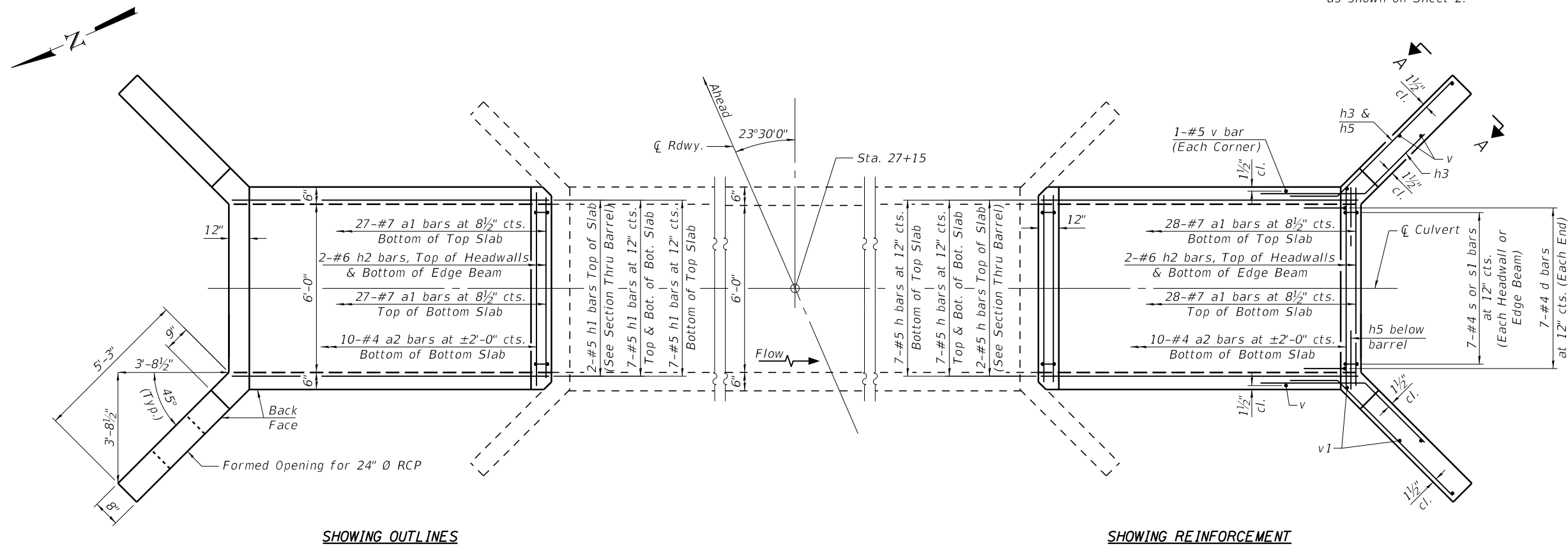
Benchmark: # 4651-2 Chiseled Square on top of bridge curb at the NE corner of SN 010-0174, 13.26' Lt. Sta. 27+38.99, Elev. 762.43

Precast alternate is not allowed.



ELEVATION

Note: Adjust reinforcement at North West wing wall as shown on Sheet 2.



PLAN

LOADING HS20
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications for Highway Bridges

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

GENERAL PLAN AND ELEVATION
F.A.I. 57
SECTION 10-33BR
CHAMPAIGN COUNTY
STA 27+15

MODEL: Default
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CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2399.5
FILE NAME = 2399.5-GPE.dgn
PLOT DATE = 10/19/2018

DESIGNED - AAN
CHECKED - MDC
DRAWN - SJS
CHECKED - MDC

REVISED -
REVISED -
REVISED -
REVISED -

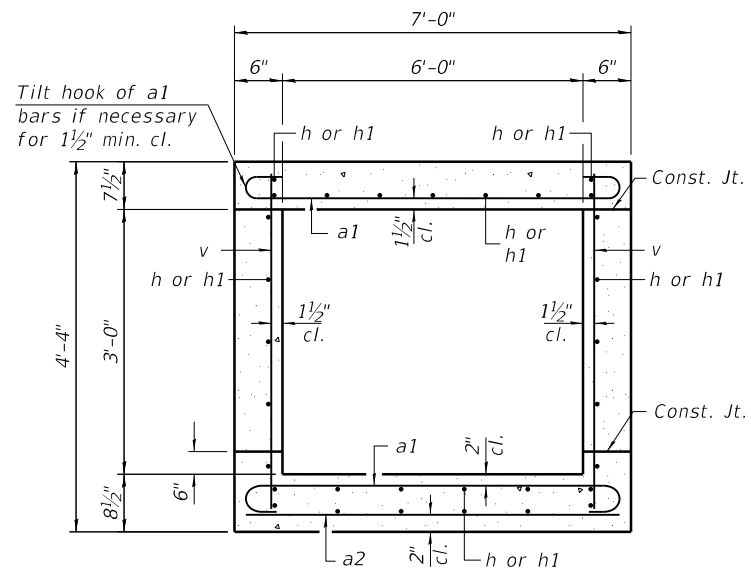
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT EXTENSION DETAILS STA 27+15

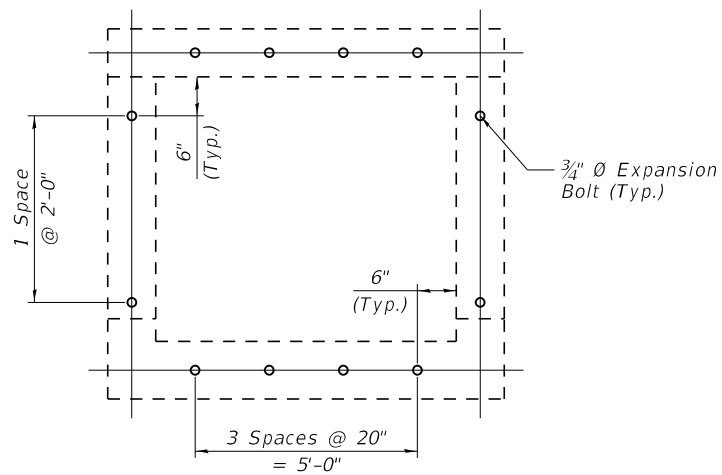
SHEET 1 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	94
CONTRACT NO. 70A61				

ILLINOIS FED. AID PROJECT



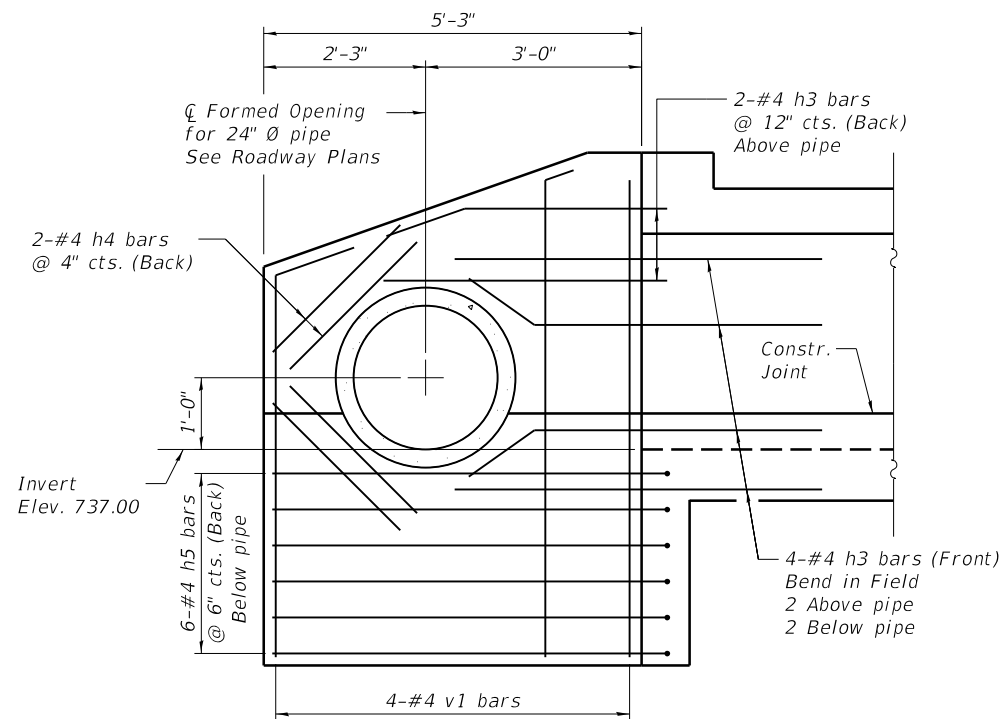
SECTION THRU BARREL



EXISTING END VIEW

(Showing Placement of 3/4" Ø Expansion Bolts)

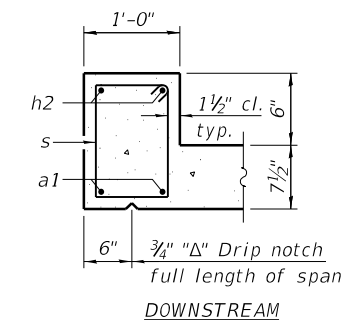
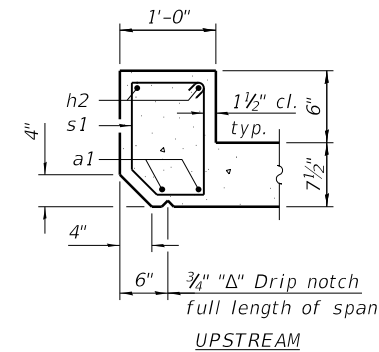
Note: Expansion Bolts shall be 3/4" Ø hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.



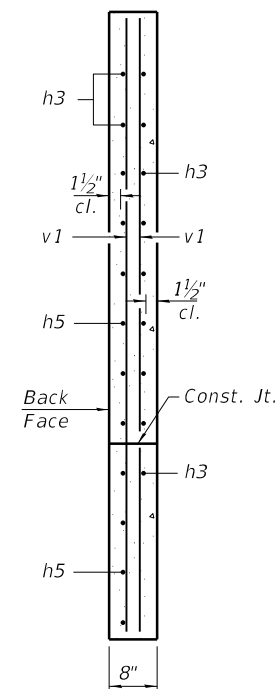
NORTHWEST WINGWALL ELEVATION

Showing adjusted reinforcement at pipe opening.

Note: Pipe maybe cast into wing or formed and grouted in place.



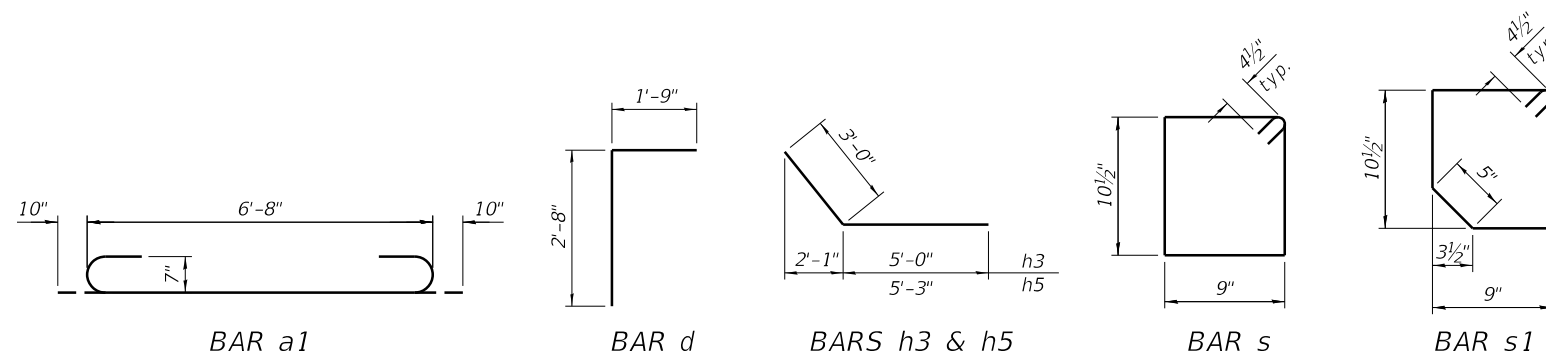
SECTION THRU HEADWALL



SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	110	#7	8'-4"	
a2	22	#4	6'-8"	
d	14	#4	4'-5"	
h	31	#5	19'-2"	
h1	31	#5	18'-2"	
h2	12	#6	6'-8"	
h3	24	#4	8'-0"	
h4	4	#4	3'-0"	
h5	24	#4	8'-3"	
s	35	#4	4'-0"	
s1	7	#4	3'-10"	
v	82	#5	4'-0"	
v1	16	#4	6'-9"	
Concrete Box Culverts			Cu. Yd.	22.1
Reinforcement Bars			Pound	4120
Expansion Bolts 3/4 Inch			Each	12



GENERAL PLAN AND ELEVATION
F.A.I. 57
SECTION 10-33BR
CHAMPAIGN COUNTY
STA 27+15

MODEL: Default
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CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2399.5
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PLOT DATE = 10/19/2018

DESIGNED - AAN
CHECKED - MDC
DRAWN - SJS
CHECKED - MDC

REVISED -
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REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT EXTENSION DETAILS STA 27+15

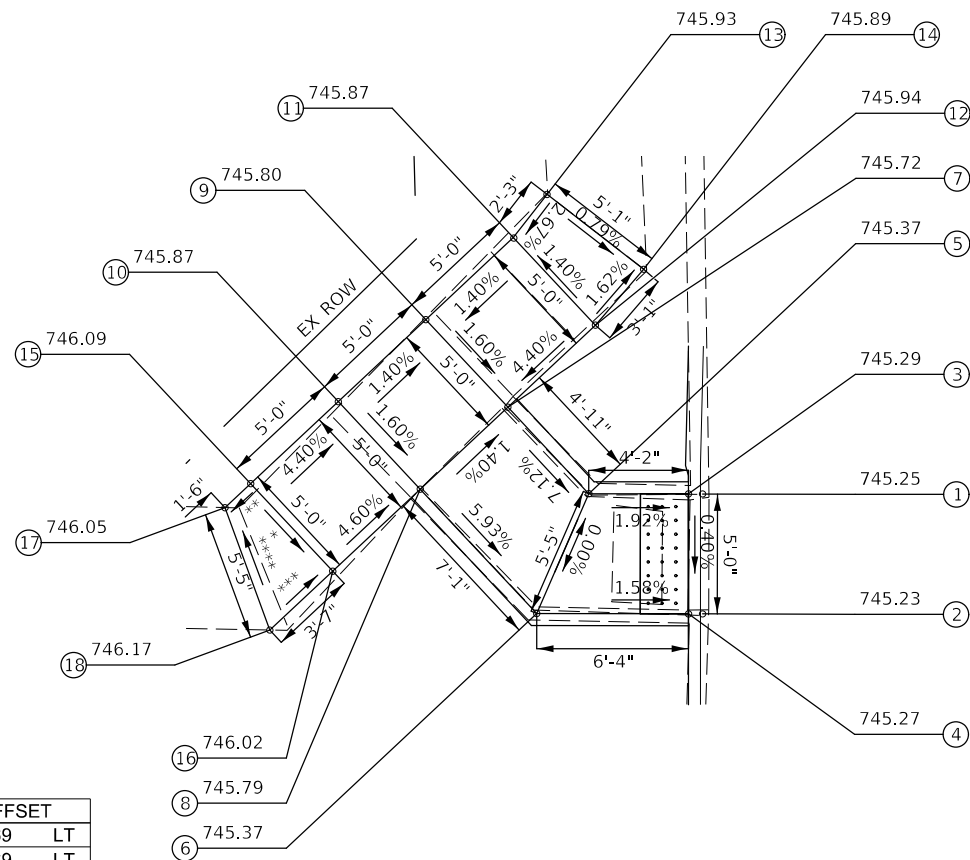
SHEET 2 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	95
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				



LOCATION #1

N.W. QUADRANT BRADLEY AVENUE AND BLUEGRASS LANE



LOCATION	STATION	OFFSET
1	14+59.24	62.69 LT
2	14+59.30	57.69 LT
3	14+58.66	62.68 LT
4	14+58.72	57.68 LT
5	14+54.50	62.64 LT
6	14+52.39	57.62 LT
7	14+51.08	66.20 LT
8	14+47.48	62.74 LT
9	14+47.62	69.81 LT
10	14+44.04	66.35 LT
11	14+51.22	73.27 LT
12	14+54.69	69.67 LT
13	14+52.60	75.09 LT
14	14+56.67	72.02 LT
15	14+40.41	62.88 LT
16	14+43.87	59.28 LT
17	14+39.35	61.86 LT
18	14+41.28	56.79 LT

* = 1.40%
 ** = 2.67%
 *** = 4.19%
 **** = 2.22%

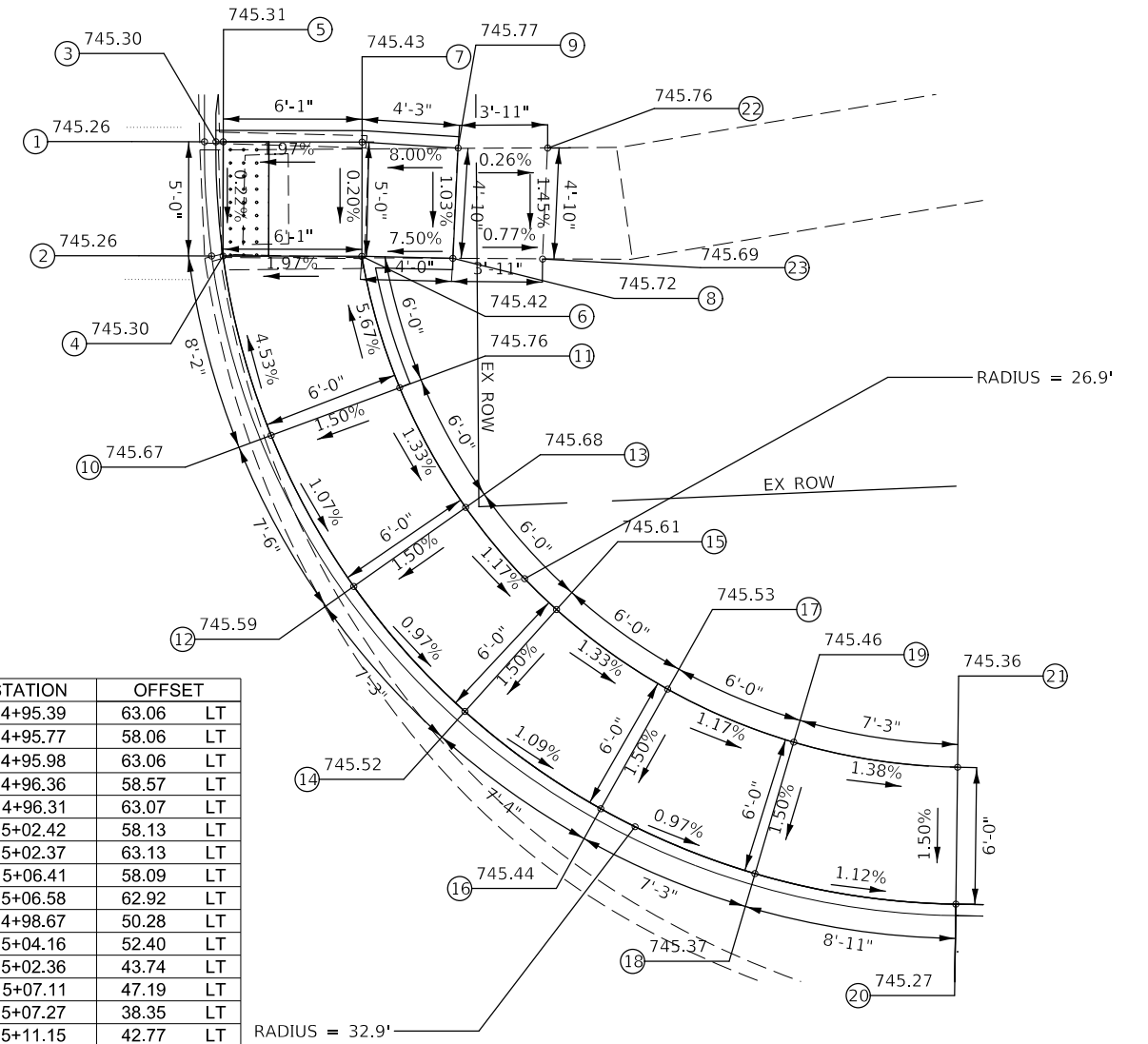
NOTES:

- 1) M.E.G. = MATCH EXISTING GRADE.
- 2) EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER CAN ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMP. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMP.
- 3) MAX. ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%), SLOPE <7% PREFERRED.
- 4) MAX. ALLOWABLE RUNNING SLOPE OF TURNING SPACE = 1:50 (2%), SLOPE < 1.5% PREFERRED.
- 5) MIN. ALLOWABLE WIDTH OF RAMP = 4'. MIN ALLOWABLE WIDTH OF MEDIAN CROSSOVER = 5'.
- 6) MAX ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:50 (2%). SLOPE <1.5% PREFERRED.



LOCATION #2

N.E. QUADRANT BRADLEY AVENUE AND BLUEGRASS LANE



LOCATION	STATION	OFFSET
1	14+95.39	63.06 LT
2	14+95.77	58.06 LT
3	14+95.98	63.06 LT
4	14+96.36	58.57 LT
5	14+96.31	63.07 LT
6	15+02.42	58.13 LT
7	15+02.37	63.13 LT
8	15+06.41	58.09 LT
9	15+06.58	62.92 LT
10	14+98.67	50.28 LT
11	15+04.16	52.40 LT
12	15+02.36	43.74 LT
13	15+07.11	47.19 LT
14	15+07.27	38.35 LT
15	15+11.15	42.77 LT
16	15+13.26	34.18 LT
17	15+16.06	39.34 LT
18	15+20.01	31.43 LT
19	15+21.61	37.09 LT
20	15+28.79	30.09 LT
21	15+28.79	36.08 LT
22	15+10.51	62.97 LT
23	15+10.35	58.11 LT

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 DATE: 10/18/2018

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

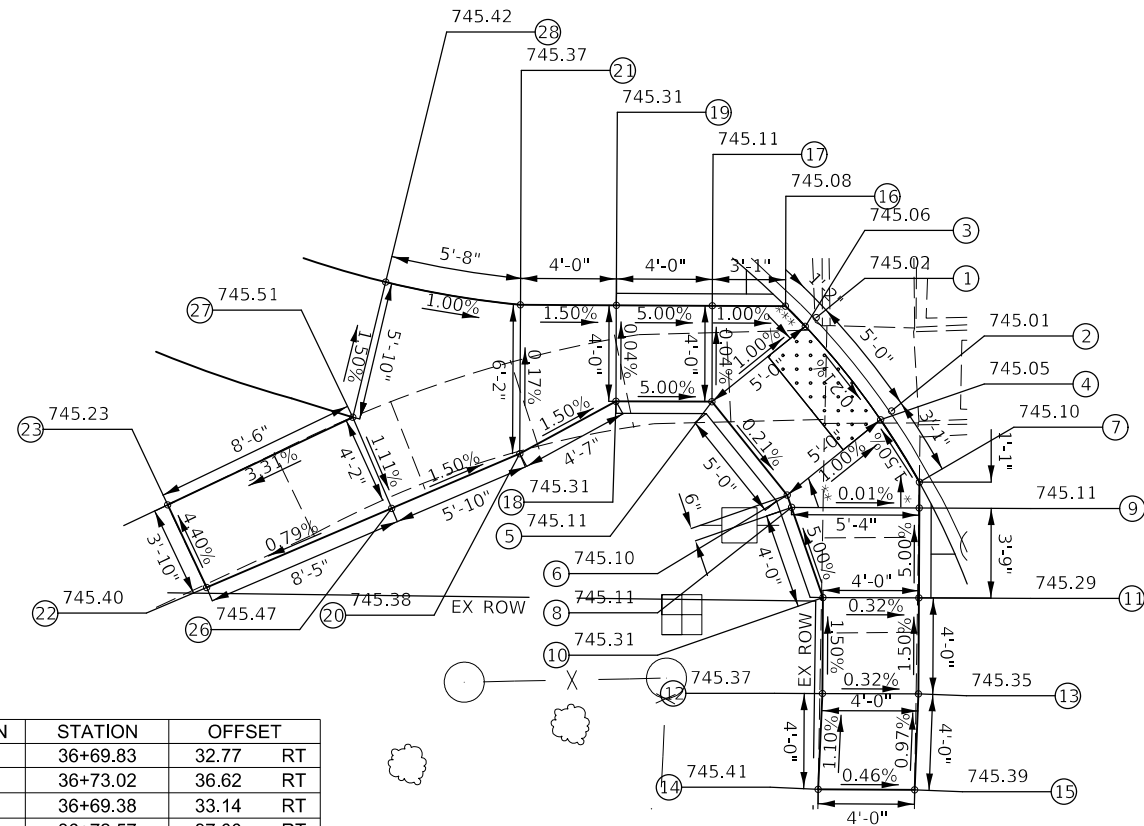
**NW QUADRANT & NE QUADRANT: BRADLEY AVE. & BLUEGRASS LN.
RAMPS 1 & 2**

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE. 57	SECTION 10-33BR	COUNTY CHAMPAIGN	TOTAL SHEETS 165	SHEET NO. 96
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70A61	

LOCATION #3

S.W. QUADRANT BRADLEY AVENUE AND CRESTWOOD DRIVE



LOCATION	STATION	OFFSET	
1	36+69.83	32.77	RT
2	36+73.02	36.62	RT
3	36+69.38	33.14	RT
4	36+72.57	37.00	RT
5	36+65.53	36.33	RT
6	36+68.72	40.18	RT
7	36+74.22	39.58	RT
8	36+68.90	40.69	RT
9	36+74.23	40.65	RT
10	36+70.26	44.43	RT
11	36+74.26	44.40	RT
12	36+70.29	48.43	RT
13	36+74.29	48.40	RT
14	36+70.16	52.43	RT
15	36+74.18	52.40	RT
16	36+68.54	32.31	RT
17	36+65.49	32.33	RT
18	36+61.53	36.37	RT
19	36+61.49	32.37	RT
20	36+57.54	38.60	RT
21	36+57.49	32.40	RT
22	36+44.57	44.34	RT
23	36+42.90	40.92	RT
24	36+20.55	23.07	RT
25	36+20.44	29.07	RT
26	36+52.24	40.95	RT
27	36+50.57	37.17	RT
28	36+51.87	31.52	RT

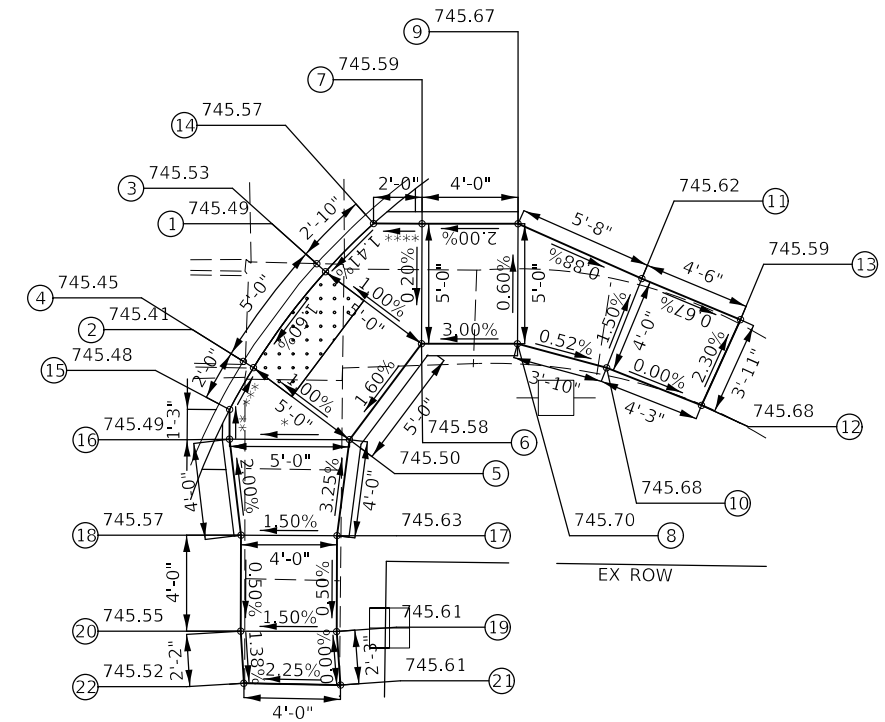
* = 1.00%
** = 1.50%
*** = 1.50%

NOTES:

- 1) M.E.G. = MATCH EXISTING GRADE.
- 2) EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER CAN ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMP. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMPS.
- 3) MAX. ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%), SLOPE <7% PREFERRED.
- 4) MAX. ALLOWABLE RUNNING SLOPE OF TURNING SPACE = 1:50 (2%), SLOPE < 1.5% PREFERRED.
- 5) MIN. ALLOWABLE WIDTH OF RAMP = 4'. MIN ALLOWABLE WIDTH OF MEDIAN CROSSOVER = 5'.
- 6) MAX ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:50 (2%), SLOPE <1.5% PREFERRED.

LOCATION #4

S.E. QUADRANT BRADLEY AVENUE AND CRESTWOOD DRIVE



* = 0.20%
** = 0.80%
*** = 1.50%
**** = 1.00%

LOCATION	STATION	OFFSET	
1	37+26.80	32.23	RT
2	37+23.85	36.26	RT
3	37+27.27	32.57	RT
4	37+24.32	36.61	RT
5	37+28.36	39.56	RT
6	37+31.31	35.52	RT
7	37+31.27	30.52	RT
8	37+35.31	35.47	RT
9	37+35.27	30.47	RT
10	37+39.04	36.43	RT
11	37+40.46	32.69	RT
12	37+43.01	37.94	RT
13	37+44.60	34.35	RT
14	37+29.25	30.54	RT
15	37+23.34	38.37	RT
16	37+23.36	39.60	RT
17	37+27.89	43.56	RT
18	37+23.89	43.60	RT
19	37+27.93	47.56	RT
20	37+23.93	47.60	RT
21	37+28.12	49.79	RT
22	37+24.09	49.77	RT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NW QUADRANT & NE QUADRANT: BRADLEY AVE. & CRESTWOOD DR.
RAMPS 3 & 4

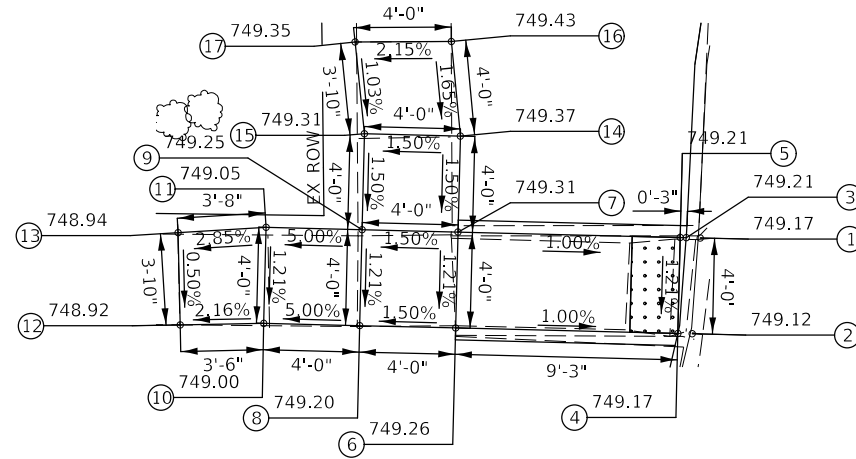
SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	97
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

LOCATION #5



N.W. QUADRANT BRADLEY AVENUE AND ALPINE DRIVE



LOCATION	STATION	OFFSET	
1	41+48.46	44.51	LT
2	41+48.18	40.51	LT
3	41+47.88	44.51	LT
4	41+47.58	40.52	LT
5	41+47.63	44.52	LT
6	41+38.32	40.63	LT
7	41+38.36	44.63	LT
8	41+34.32	40.67	LT
9	41+34.36	44.67	LT
10	41+30.32	40.72	LT
11	41+30.36	44.72	LT
12	41+26.84	40.61	LT
13	41+26.70	44.45	LT
14	41+38.41	48.63	LT
15	41+34.41	48.67	LT
16	41+37.99	52.56	LT
17	41+33.97	52.49	LT

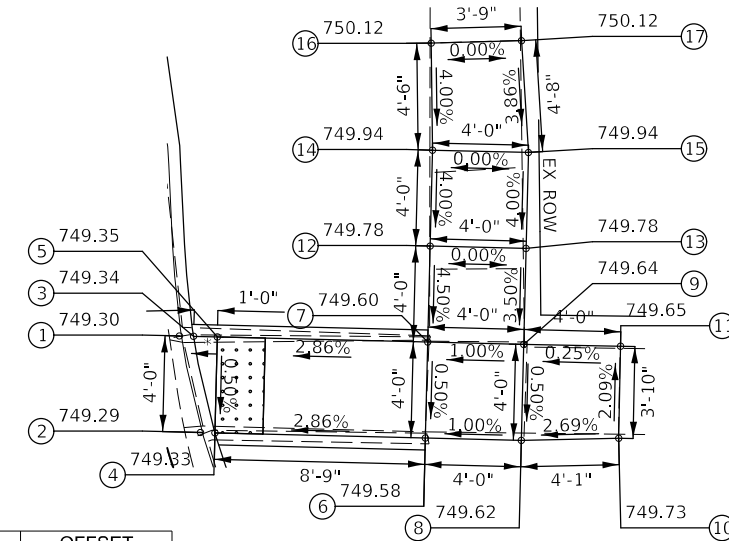
NOTES:

- 1) M.E.G. = MATCH EXISTING GRADE.
- 2) EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER CAN ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMP. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMP.
- 3) MAX. ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%), SLOPE <7% PREFERRED.
- 4) MAX. ALLOWABLE RUNNING SLOPE OF TURNING SPACE = 1:50 (2%), SLOPE < 1.5% PREFERRED.
- 5) MIN. ALLOWABLE WIDTH OF RAMP = 4'. MIN ALLOWABLE WIDTH OF MEDIAN CROSSOVER = 5'.
- 6) MAX ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:50 (2%), SLOPE <1.5% PREFERRED.

LOCATION #6



N.E. QUADRANT BRADLEY AVENUE AND ALPINE DRIVE



LOCATION	STATION	OFFSET
1	41+77.74	44.1582
2	41+78.66	40.1469
3	41+78.33	44.1511
4	41+79.27	40.1397
5	41+79.31	44.1394
6	41+88.04	40.0355
7	41+88.09	44.0352
8	41+92.04	39.988
9	41+92.09	43.9878
10	41+96.10	40.1261
11	41+96.13	43.9638
12	41+88.14	48.035
13	41+92.14	47.9875
14	41+88.18	52.0347
15	41+92.18	51.9872
16	41+88.08	56.4934
17	41+91.84	56.6428

* = 1.00%

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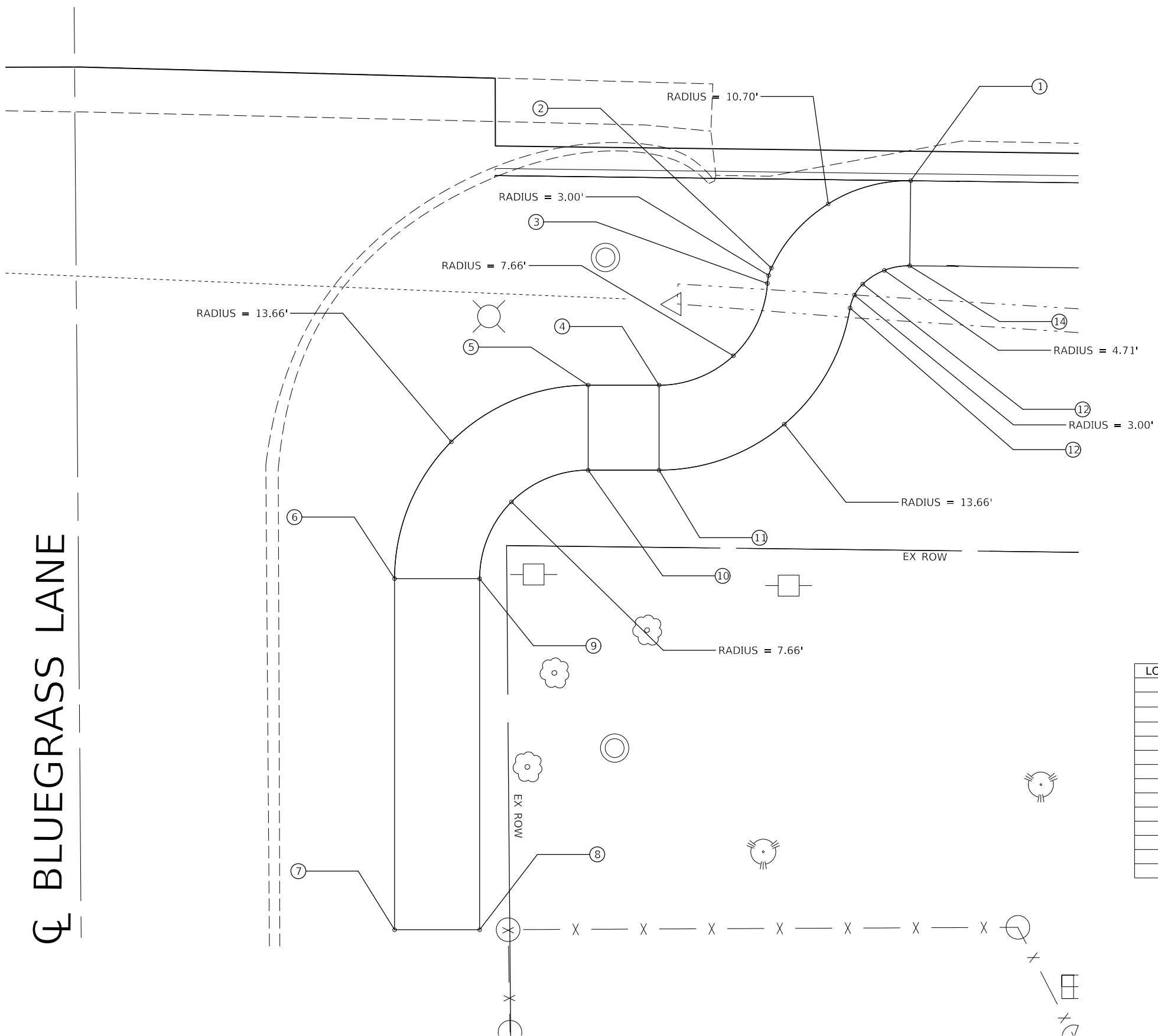
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**NW QUADRANT & NE QUADRANT: BRADLEY AVE. & ALPINE DR.
RAMPS 5 & 6**

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	98
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				



& BLUEGRASS LANE

LOCATION	STATION	OFFSET
1	15+40.19	28.58 RT
2	15+30.44	34.86 RT
3	15+30.17	35.95 RT
4	15+22.62	43.23 RT
5	15+17.62	43.29 RT
6	15+04.14	57.12 RT
7	15+04.58	81.95 RT
8	15+10.45	81.82 RT
9	15+10.14	57.05 RT
10	15+17.70	49.29 RT
11	15+22.70	49.23 RT
12	15+36.03	37.62 RT
13	15+36.90	35.93 RT
14	15+40.19	34.58 RT

MODEL: \\MODELNAME
 FILE: \\NAME: \\PROJECTS\0570A61\CADD\DATA\Drawings\0570A61-L-01-ADA.dgn

USER NAME = PIERSONTJ	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 8,000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SE QUADRANT: BLADLEY AVE. & BLUEGRASS LN.
SIDEWALK CONNECTION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	10-33BR	CHAMPAIGN	165	99
CONTRACT NO. 70A61				
ILLINOIS FED. AID PROJECT				

