

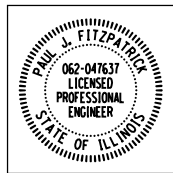
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FOX RIVER TRAIL
UNDER UNION PACIFIC RAILROAD
BIKE PATH & PEDESTRIAN TUNNEL
SECTION 14-F3000-07-BT
PROJECT IXET(751)
FOREST PRESERVE DISTRICT OF KANE COUNTY
KANE COUNTY
JOB NO. C-91-222-16

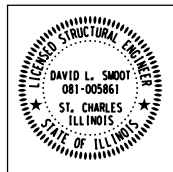
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	1
ILLINOIS		CONTRACT NO. 61E01	

FOR INDEX OF SHEETS & HIGHWAY STANDARDS,
SEE SHEET NO. 2

PROJECT LOCATED IN ELGIN TOWNSHIP



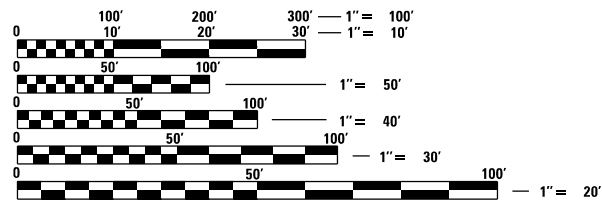
July 17 20 18
Paul J. Fitzpatrick
PAUL J. FITZPATRICK
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-047637
EXPIRATION DATE 11-30-2019
SHEETS 1-48, 67-109



July 19 20 18
David L. Smoot
DAVID L. SMOOT
ILLINOIS LIC. STRUCTURAL ENGINEER NO. 081-005861
EXPIRATION DATE 11-30-2020
SHEETS 51-66

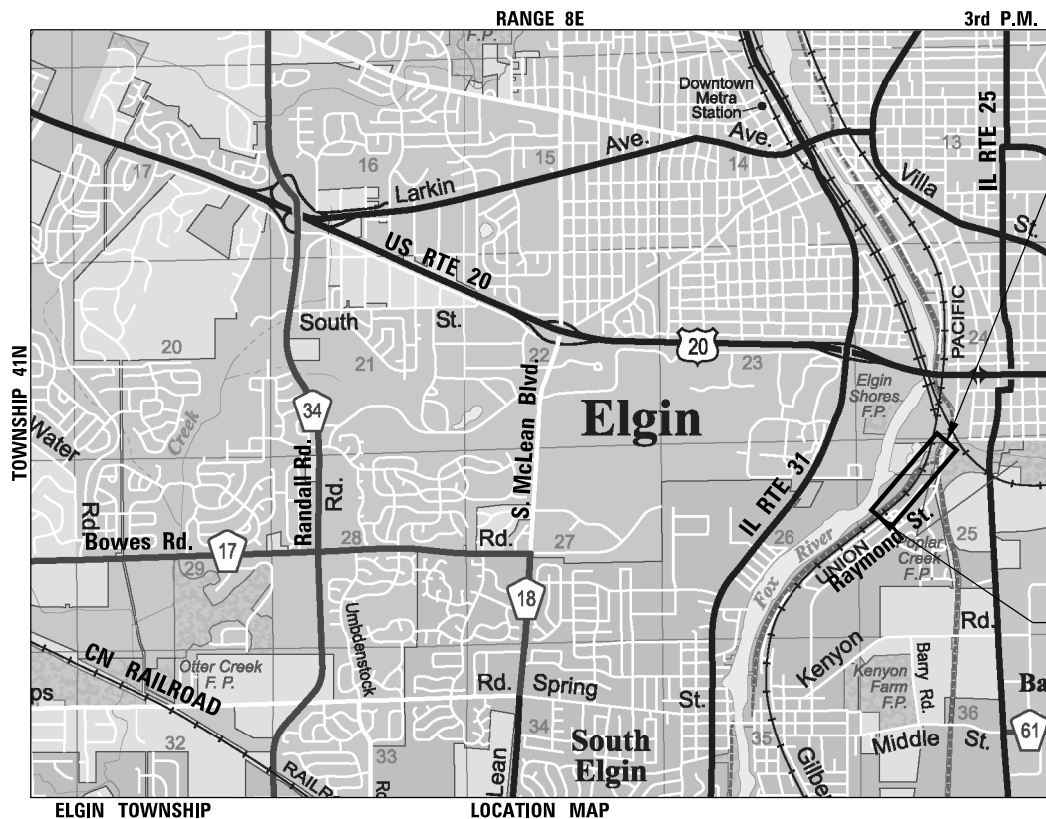


JULY 18 2018
ANDREW J. RUNDE
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-055211
EXPIRATION DATE 11-30-2019
SHEETS 49-50



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



LOCATION MAP
1" = 0.5 MI
PROJECT NET AND GROSS LENGTH = 2553.70 FT (0.484 MILE)

PROJECT ENDS
STA 18 + 07.40

PROJECT BEGINS
STA 2 + 14.60



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED *Maria A. Meyer*
7-19-2018
FOREST PRESERVE DISTRICT OF KANE COUNTY

PASSED *August 16, 2018*
Christopher Holt
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW *August 16, 2018*
Anthony J. Quinley
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE APPLICABLE REQUIREMENTS SET FORTH IN "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016 THEREINAFTER REFERRED TO AS STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM MANUAL TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" IN EFFECT ON THE DATE OF INVITATION FOR BIDS; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" LATEST EDITION; INTERIM SPECIAL PROVISIONS AS INCLUDED IN THE CONTRACT DOCUMENTS; AND THE DETAILS AND STANDARDS CONTAINED IN THESE PLANS.
- BEFORE STARTING ANY EXCAVATIONS, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- THE LOCATIONS OF THE EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, REPRESENT DATA RECEIVED FROM VARIOUS SOURCES, IT IS NOT GUARANTEED TO BE CORRECT OR ALL INCLUSIVE. THE CONTRACTOR SHALL CONDUCT THEIR OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OF ANY AND ALL EXISTING UTILITIES THAT MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED IN ACCORDANCE WITH ARTICLE 105.07.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- ALL WORK SHALL BE COMPLETED WITHIN THE LIMITS OF THE PROJECT SHOWN. NO EQUIPMENT, MATERIAL YARD OR FIELD OFFICE SHALL BE SET UP OR STORED ON TOWNSHIP OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
- MAINTENANCE OF TRAFFIC - GENERAL; TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES OF THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
- TRAFFIC CONTROL DEVICES: ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC AS DETAILED ON THE PLANS SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT OR AS DIRECTED BY THE ENGINEER.

DRAINAGE NOTES

- DURING CONSTRUCTION OPERATIONS ALL LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES AND TEMPORARY DITCHES THAT OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE CLEANED AS NECESSARY TO INSURE THAT THEY ARE FREE FROM ALL DIRT AND DEBRIS PRIOR TO THE FINAL INSPECTION OF THE PROJECT.
- ANY FARM DRAIN, FIELD TILE SYSTEM OR OTHER UNDERGROUND TILE FACILITY ENCOUNTERED IN THE WORK SHALL BE LOCATED AND STAKED AND REPORTED TO THE ENGINEER. ANY DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN ITS ORIGINAL ALIGNMENT. IF THIS CANNOT BE ACCOMPLISHED, THE TILE SHALL BE REPAIRED AND CONNECTED TO THE PROPOSED STORM SEWER SYSTEM IN SUCH A MANNER AS TO RENDER THE LINES USABLE FOR THE PURPOSES INTENDED.

THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 611. THE MINIMUM SIZE FOR REPLACEMENT MUST BE 10 INCH AND SHALL BE PAID FOR AS "PIPE DRAINS" OF THE DIAMETER SPECIFIED". THE DRAIN PIPE MATERIAL SHALL BE PVC OR CORRUGATED PVC WITH A SMOOTH INTERIOR IN ACCORDANCE WITH SECTION 601. A TYPE A INLET W/ TYPE 1 CLOSED LID WILL BE CONSTRUCTED TO CONNECT THE TILE(S) AND/OR PIPE DRAIN. A NOMINAL QUANTITY OF 10" HAS BEEN INCLUDED IN THE PLAN QUANTITIES.

PRIOR TO MAKING THE CONNECTION THE CONTRACTOR SHALL CLEAN THE ENDS OF THE TILE TO BE CONNECTED. IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATION THE EXISTING TILE SHALL BE REMOVED OR CRUSHED AND TRENCH BACKFILL MATERIAL SHALL BE PLACED IN THE TRENCH LEFT BY THE REMOVAL.

- MORTAR:
ALL CONNECTION POINTS WHERE THE DRAIN TILE OR STORM SEWER ENTERS THE DRAINAGE STRUCTURE SHALL BE MORTARED ON THE INSIDE AND OUTSIDE OF THE DRAINAGE STRUCTURE. THE MORTAR MATERIAL SHALL BE PLACED AROUND THE ENTIRE CIRCUMFERENCE OF THE PIPE. THE MORTAR MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 602.04.

KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT

- THE CONTRACTOR AND ENGINEER SHALL MEET WITH THE KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT TO COORDINATE ALL SITE WORK ACTIVITIES.
- THE CONTRACTOR'S WORK PLAN SHALL BE SUBMITTED TO THE SOIL & WATER CONSERVATION DISTRICT AND KANE COUNTY FOR REVIEW AND APPROVAL PRIOR TO STARTING ANY WORK.
- SEE EROSION CONTROL PLAN SHEETS FOR ADDITIONAL DETAILS, CONDITIONS AND NOTES.

TREE PROTECTION

- CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN WORKING NEAR EXISTING TREES AND SHRUBS DESIGNATED TO BE PROTECTED.

EARTHWORK AND BIKE PATH

- THE CONTRACTOR WILL NOT BE ALLOWED TO STOCK PILE MATERIAL(S) BEYOND THE PROJECT LIMITS. THE CONTRACTOR WILL NOT PLACE STOCK PILES IN LOCATIONS WHERE THEY WILL INTERFERE WITH DRAINAGE WAYS OR ON PAVEMENTS THAT ARE NOT SPECIFIED FOR REMOVAL. ANY DAMAGE REQUIRING REPAIR CAUSED BY THE CONTRACTORS STOCK PILING OR CONSTRUCTION OPERATIONS WILL BE DONE. THE CONTRACTOR'S STOCKPILE AREAS SHALL BE COORDINATED WITH THE ENGINEER.
- ALL EXCAVATION AND EMBANKMENT LOCATIONS REQUIRING SEEDING SHALL BE CONSTRUCTED TO 6-INCHES BELOW FINISHED GRADE LINE TO ALLOW TOPSOIL PLACEMENT.
- PAVEMENT ELEVATIONS: THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES FOR THE PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.

FOX RIVER WATER RECLAMATION DISTRICT - FORCEMAIN PROTECTION

- THE FOX RIVER WATER RECLAMATION DISTRICT WILL REQUIRE THE CONTRACTOR TO LIMIT THEIR EQUIPMENT CROSSINGS OVER THE TOP OF THEIR SANITARY SEWER FORCEMAIN.
- THE CONTRACTOR CROSSING WILL NOT BE ALLOWED WITHIN THE FLOODPLAIN.
- THE CONTRACTOR SHALL COORDINATE THE LOCATIONS OF EQUIPMENT CROSSINGS WITH THE ENGINEER.
- ALL CROSSING OF THE SANITARY SEWER FORCEMAIN SHALL BE PROTECTED BY TIMBERS OR METAL PLATES, IN ACCORDANCE WITH THE SPECIAL PROVISIONS, THE DETAILS IN THE PLANS FOR HEAVY EQUIPMENT PROTECTION OR AS DIRECTED BY THE ENGINEER.

REMOVAL NOTES

- SAW CUTS:
PROVIDE AT ALL LOCATIONS WHERE A SAW CUT IS REQUIRED FOR THE REMOVAL OF PAVEMENT, CURB, GUTTER, MEDIANS, DRIVEWAYS, SIDEWALK, BUTT JOINTS, PATCHES OR ANY OTHER STRUCTURE WHICH ARE ALL ONE PIECE WITH NO CONSTRUCTION JOINTS. THIS SAW CUT SHALL BE MADE AT THE LIMITS OF CONSTRUCTION OR OTHER AREAS AS REQUIRED TO PERFORM THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE SAW CUT SHALL BE ACCOMPLISHED WITH A "PAVEMENT SAW". TRENCHERS WILL NOT BE ALLOWED FOR FINAL SAW CUT AT THE LIMITS OF CONSTRUCTION.
- TREE SIZES HAVE BEEN ADDED TO THE PLANS FOR INFORMATIONAL PURPOSES ONLY AND FOR THE BENEFIT OF THE CONTRACTOR AND TO AID IN THE BIDDING OF THE PROJECT. THE SIZES ARE BASED ON FIELD SURVEYS AND MEASUREMENTS COMPLETED IN 2014. THE TREE SIZES SHOWN ON THE PLANS HAVE BEEN ADJUSTED TO ACCOUNT FOR GROWTH SINCE THE COMPLETION OF THE SURVEYS. THE SURVEY DID NOT INCLUDE TREES OR SAPLINGS LESS THAN 6-INCHES IN DIAMETER. THE TREE SIZES SHOULD BE CONSIDERED AN ESTIMATE AND IT IS THE CONTRACTOR RESPONSIBILITY TO VISIT THE SITE AND MAKE THEIR OWN ASSESSMENT OF THE EFFORT REQUIRED TO COMPLETE THE WORK AS SHOWN ON THE PLANS.

SURVEY DATUM

THE HORIZONTAL DATUM IS NAD 83 AND THE VERTICAL DATUM IS NAVD 88.

RAILROAD COORDINATION

CONTRACTOR SHALL BE AWARE THAT THEY SHALL BE REQUIRED TO PROVIDE RAILROAD PROTECTIVE LIABILITY INSURANCE, SECURE A RIGHT-OF-ENTRY PERMIT AND PROVIDE RAILROAD FLAGGERS, IN ACCORDANCE WITH ARTICLE 107.12 AND ARTICLE 109.05, WHEN THEIR CONSTRUCTION ACTIVITIES ARE WITHIN 25 FEET OF THE RAILROAD RIGHT-OF-WAY. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING THESE RAILROAD REQUIREMENTS.

RAILROAD FLAGGER

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD COMPANY WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD RIGHT-OF-WAY. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT OF WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05

INDEX OF SHEETS

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18-19	TYPICAL SECTIONS - PROPOSED UNDERCUTS
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23-24	REMOVAL PLANS
25-30	PLAN & PROFILES
31	MAINTENANCE OF TRAFFIC - FOX RIVER TRAIL & ILL PRAIRE PATH
31-34	EROSION CONTROL & SEEDING PLANS
35-37	EROSION CONTROL & SEEDING NOTES & DETAILS
38-41	DRAINAGE & UTILITY PLAN & PROFILES
42-44	GRADING PLANS
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58	TUNNEL SECTION & DETAILS
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60-61	END SECTION DETAILS
62	FENCING DETAILS
63	CONTROLLED LOW-STRENGTH MATERIAL PLAN
64	TYPICAL SECTIONS - TUNNEL EMBANKMENT
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71-90	CROSS SECTIONS - FOX RIVER TRAIL
91-96	CROSS SECTIONS - FOX RIVER TRAIL CONNECTION
97-100	CROSS SECTIONS - ILLINOIS PRAIRIE PATH
101-109	CROSS SECTIONS - TUNNEL EMBANKMENT

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-03	NAME PLATE FOR BRIDGES
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602011-02	CATCH BASIN TYPE C
602301-04	INLET TYPE A
604001-04	FRAME AND LIDS TYPE 1
604036-03	GRATE TYPE 8
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-12	STEEL PLATE BEAM GUARDRAIL
664001-02	CHAIN LINK FENCE
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING

COMMITMENTS

TREES WILL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30 PER ENDANGERED SPECIES ACT - SECTION 7 CONSULTATION.

REPLACEMENT TREES WILL BE COMPLETED BY THE FOREST PRESERVE DISTRICT OF KANE COUNTY.

FILE NAME = W:\Projects\2015\150274_RaymondSt\FRTPH1\cadd\Civil\Dgn\Sh\GENNOTE_01.dgn



WBK ENGINEERING, LLC
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PLOT DATE = 3/21/2019	CHECKED -	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES, INDEX OF SHEETS & STANDARDS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET NO. 1 OF 1 SHEETS	14-F3000-07-BT	KANE	109	2
				CONTRACT NO. 61E01	
ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
						80% FEDERAL 20% STATE		NON-PARTICIPATING 100% LOCAL
						BICYCLE/PEDESTRIAN 0028 URBAN	TRAINEES 0042 URBAN	BICYCLE/PEDESTRIAN 0028 URBAN
		20101000	TEMPORARY FENCE	FOOT	2,559	2,559		
		20101100	TREE TRUNK PROTECTION	EACH	59	59		
	S	20200100	EARTH EXCAVATION	CU YD	4,621	4,621		
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,494	1,494		
		20400800	FURNISHED EXCAVATION	CU YD	244	244		
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	3,284	3,284		
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2,196	2,196		
		25000115	SEEDING, CLASS 1B	ACRE	0.75	0.75		
		25000310	SEEDING, CLASS 4	ACRE	1.75	1.75		
		25000314	SEEDING, CLASS 4B	ACRE	1	1		
		25000322	SEEDING, CLASS 5A	ACRE	1.75	1.75		
		25000324	SEEDING, CLASS 5B	ACRE	1	1		
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	47	47		
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	47	47		
	S	25100630	EROSION CONTROL BLANKET	SO YD	22,908	22,908		
	S	25100635	HEAVY DUTY EROSION CONTROL BLANKET	SO YD	1,052	1,052		
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,193	1,193		
		28000305	TEMPORARY DITCH CHECKS	FOOT	650	650		
		28000400	PERIMETER EROSION BARRIER	FOOT	5,438	5,438		
		28000510	INLET FILTERS	EACH	4	4		
	S	28001100	TEMPORARY EROSION CONTROL BLANKET	SO YD	5,727	5,727		
	S	28001200	TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET	SO YD	526	526		
		28100105	STONE RIPRAP, CLASS A3	SO YD	21	21		
		28200200	FILTER FABRIC	SO YD	21	21		
	S	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	150	150		
	S	31101810	SUBBASE GRANULAR MATERIAL, TYPE B 12"	SO YD	3,091	3,091		
		40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	6,225	6,225		
		40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	623	623		
		50300225	CONCRETE STRUCTURES	CU YD	47.2	47.2		
	S	50300285	FORM LINER TEXTURED SURFACE	SO FT	239	239		
		50500505	STUD SHEAR CONNECTORS	EACH	62	62		
		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,410	3,410		
		52200015	PERMANENT SHEET PILING	SO FT	3,200	3,200		
		59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	94.4	94.4		

FILE NAME = \\P:\projects\2015\150274_Rogers\5-FRTR\11-road\Civil\Drawn\593001.dgn



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PLOT DATE = 3/21/2019	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. 1	OF 3 SHEETS	STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	3
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
						80% FEDERAL 20% STATE		NON-PARTICIPATING 100% LOCAL
						BICYCLE/PEDESTRIAN 0028 URBAN	TRAINEES 0042 URBAN	BICYCLE/PEDESTRIAN 0028 URBAN
		60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2		
		60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	73	73		
		60207605	CATCH BASINS, TYPE C, TYPE B GRATE	EACH	2	2		
		60608552	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06	FOOT	195	195		
•		63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	125	125		
		63200310	GUARDRAIL REMOVAL	FOOT	156	156		
		67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6	6		
		67100100	MOBILIZATION	LSUM	1	1		
•		72000100	SIGN PANEL - TYPE 1	SQ FT	57.75	57.75		
•		73000100	WOOD SIGN SUPPORT	FOOT	154	154		
•	S	80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1	1		
•		80500200	SERVICE INSTALLATION, TYPE B	EACH	1	1		
•		81028310	UNDERGROUND CONDUIT, PVC, 3/4" DIA.	FOOT	242	242		
•		81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	441	441		
•		81100220	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., PVC COATED GALVANIZED STEEL	FOOT	21	21		
•		81100580	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., ALUMINUM	FOOT	96	96		
•		81100805	CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL	FOOT	36	36		
•		81200200	CONDUIT EMBEDDED IN STRUCTURE, 3/4" DIA., PVC	FOOT	124	124		
•		81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2,206	2,206		
•		81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	488	488		
•		81702145	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3	FOOT	1,464	1,464		
•		82500330	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP	EACH	1	1		
•	S	A2C049G5	TREE, QUERCUS ALBA (WHITE OAK), CONTAINER GROWN, 5-GALLON	EACH	33	33		
•	S	A2C056G5	TREE, QUERCUS MACROCARPA (BURR OAK), CONTAINER GROWN, 5-GALLON	EACH	33	33		
•	S	A2C061G5	TREE, QUERCUS RUBRA (RED OAK), CONTAINER GROWN, 5-GALLON	EACH	33	33		
•	S	K1005863	TREE ROOT PRUNING	EACH	46	46		
	S	X0300249	REMOVE EXISTING GATE	EACH	1	1		
•	S	X0322881	TREE TRIMMING	EACH	41	41		
	S	X0323360	WOODEN POLE REMOVAL	EACH	2	2		
	S	X0326020	UTILITY PROTECTION PAD	SQ YD	67	67		
	S	X0326806	WASHOUT BASIN	LSUM	1	1		
•	S	X0326871	SOLAR EQUIPMENT	LSUM	1	1		
	S	X0326998	FURNISH AND INSTALL HANDRAIL	FOOT	180	180		
	S	X0327036	BIKE PATH REMOVAL	SQ YD	2,167	2,167		

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PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	4
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
						80% FEDERAL 20% STATE		NON-PARTICIPATING 100% LOCAL
						BICYCLE/PEDESTRIAN 0028 URBAN	TRAINEES 0042 URBAN	BICYCLE/PEDESTRIAN 0028 URBAN
	S	X0327277	RELOCATE KIOSK	EACH	1	1		
	S	X0327599	BULKHEAD TUNNEL	LSUM	1	1		
•	S	X0327976	TRACK MONITORING	CAL DA	58	58		
•	S	X1400238	LUMINAIRE, LED, SPECIAL	EACH	6	6		
•	S	X2010310	TREE REMOVAL (SPECIAL)	UNIT	100	100		
•	S	X2010350	TREE REMOVAL, ACRES (SPECIAL)	ACRE	3.5	3.5		
	S	X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	791	791		
	S	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	134	134		
•	S	X2200017	GATE, SPECIAL 6' (16' DOUBLE SWING GATE)	EACH	1	1		
	S	X4240440	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH, SPECIAL	SO FT	192	192		
	S	X5030290	STAINING CONCRETE STRUCTURES	SO FT	203	203		
	S	X6013600	PIPE UNDERDRAINS 4" (MODIFIED)	FOOT	441	441		
•	S	X6640300	CHAIN LINK FENCE REMOVAL	FOOT	997	997		
•	S	X6640525	CHAIN LINK FENCE, 4' ATTACHED TO STRUCTURE	FOOT	126	126		
•	S	X6640560	CHAIN LINK FENCE, 6' (SPECIAL)	FOOT	764	764		
•	S	X6640570	CHAIN LINK FENCE, 8' (SPECIAL)	FOOT	526	526		
	S	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1		
	S	XX005896	CONCRETE PAD REMOVAL	SO FT	28	28		
*	S	XX006052	SANITARY SEWER REMOVAL (SPECIAL)	FOOT	113	113		
	S	XX006195	STABILIZED BICYCLE PATH	SO YD	2,767	2,767		
	S	XX006381	CRUSHED AGGREGATE CA-1	CU YD	1,383	1,383		
	S	XX006429	SIDEWALK, SPECIAL	SO FT	205	205		
*	S	XX007943	STEEL CASING PIPE, SPECIAL, TUNNELED COMPLETE	FOOT	90	90		
	S	XX008018	TEMPORARY SOIL RETENTION SYSTEM	LSUM	1	1		
	S	XX008686	BIKE SHELTER	EACH	1	1		
	S	XX009242	ANTI-GRAFFITI PROTECTION SYSTEM	SO FT	2,782			2,782
*	S	Z0002400	BALLAST	TON	50	50		
	S	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SO YD	200	200		
	S	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1		
•	S	Z0045500	PRESSURE GROUTING	LSUM	1	1		
	S	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1		
	S	Z0076600	TRAINEES	HOUR	500		500	
	S	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500	

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EARTHWORK SUMMARY SCHEDULE

LOCATION	EARTHWORK				TOPSOIL			SUBGRADE IMPROVEMENT			
	20200100		20400800	X2070304	21101505			20201200	30300001	XX006381	21001000
	EARTHWORK EXCAVATION	EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-)	POROUS GRANULAR EMBANKMENT, SPECIAL	TOPSOIL EXCAVATION & PLACEMENT	TOPSOIL EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-) (NO SHRINKAGE)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	AGGREGATE SUBGRADE IMPROVEMENT	CRUSHED AGGREGATE CA-1	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)
FOX RIVER TRAIL - WEST	2115.0	2027.0	-230.0		1039.0	933.0	104.0	780.0		916.0	1118.0
TUNNEL	(SEE NOTE 2)			791.0	89.0	89.0	0.0				
FOX RIVER TRAIL CONNECTION	186.0	775.0	-616.0		189.0	138.0	50.0	564.0		467.0	1716.0
ILLINOIS PRAIRIE PATH	59.0	80.0	-31.0		84.0	85.0	-1.0				
COMP STORAGE AREA	2261.0	1289.0	633.0		795.0	774.0	21.0				
R.E. DESCRETION								150.0	150.0		450.0
TOTAL	4621.0	4171.0	-244.0	791.0	2196.0	2019.0	174.0	1494.0	150.0	1383.0	3284.0

SHRINKAGE FACTOR: 15%

- NOTE: 1. EARTHWORK QUANTITIES ON THE FOX RIVER TRAIL ON THE EAST SIDE OF THE TUNNEL FROM STA. 13+75.0 TO STA. 14+03.2 ARE INCLUDED IN THE EARTHWORK TOTAL FOR THE ILLINOIS PRAIRIE PATH.**
- 2. AN ESTIMATED 274 CU YD SHALL BE EXCAVATED FROM INSIDE THE TUNNEL, THIS QUANTITY IS PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY AND SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE "STEEL CASING PIPE, SPECIAL, TUNNELED COMPLETE".**
- 3. GENERAL AREAS HAVE BEEN INLCUDE IN THE SITE GRADING PLAN TO CREATRE "MOUNDS" TO WASTE THE SURPLUS EXCAVATION. WITH THE APPROVAL OF THE ENGINEEER, THE CONTRACTOR MAY CREATE ADDITONAL AREAS OR MODIFY THE GRADING PLAN IN ORDER TO WASTE ADDITONAL SURPLUS MATERIAL. REVISIONS WILL NOT ALTER THE INTENT OF THE GRADING PLAN AND MUST NOT REQUIRE ADDITONAL TREES TO BE REMOVED. NO SURPLUS MATERIALS WILL BE ALLOWED IN THE 100 YR FLOODPLAIN OR FLOODWAY.**

EARTHWORK GENERAL NOTES

ALL EARTHWORK QUANTITIES ALONG THE BICYCLE PATH WERE CALCULATED BY THE METHOD OF AVERAGE END AREAS USING THE PLAN CROSS SECTIONS.

THE EARTHWORK FOR THE COMPENSATORY STORAGE SITE HAS BEEN CALCULATED WITH GEOPAK SOFTWARE SITE VOLUME TOOL.

EARTHWORK BETWEEN THE TUNNEL HEADWALLS IS NOT INCLUDED IN THE SUMMARY TABLE. THE EARTHWORK ITEMS HAVE BEEN COVERED IN THE STRUCTURAL QUANTITIES.

SHRINKAGE FACTOR, ASSUMED TO BE 15% FOR THIS PROJECT IS ESTIMATED FOR THE PURPOSE OF DETERMINING A BALANCE OF EARTHWORK. THE CONTRACTOR SHALL ESTIMATE THEIR OWN SHRINKAGE FACTORS IN DETERMINING THEIR EARTHWORK. NO PAYMENT WILL BE MADE ON EARTHWORK QUANTITIES DUE TO VARIATION IN THE SHRINKAGE FACTOR SINCE EARTHWORK IS MEASURED IN ITS FINAL POSITION.

NO SHRINKAGE FACTOR WAS APPLIED WHEN CALCULATING TOPSOIL QUANTITIES.

RECOMMENDATIONS OUTLINED IN THE STRUCTURE GEOTECHNICAL REPORT PREPARED BY TESTING SERVICE CORPORATION DATED SEPTEMBER 11, 2018 WERE USED IN PREPARATION OF THE ROADWAY PLANS AND RELATED EARTHWORK QUANTITY CALCULATIONS.

UNDERCUT RECOMMENDATIONS HAVE BEEN OUTLINED IN THE PLANS AND WERE BASED ON RECOMMENDATIONS DISCUSSED IN THE GEOTECHNICAL REPORTS PREPARED BY TESTING SERVICE CORPORATION DATED SEPTEMBER 11, 2018. THESE REPORTS WERE USED TO DETERMINE THE QUANTITY FOR "REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL".

THE AVERAGE THICKNESS OF SIX (6) INCHES OF TOPSOIL WAS ASSUMED ON THIS PROJECT FOR THE PURPOSE OF CALCULATING TOPSOIL STRIPPING QUANTITIES.

TOPSOIL STRIPPING WILL MEASURED FOR PAYMENT AS "TOPSOIL EXCAVATION AND PLACEMENT".

EARTH EXCAVATION WILL ALSO INCLUDE ALL AGGREGATE BASE COURSES, AGGREGATE SUB-BASE'S AND AGGREGATE SURFACES AND SHOULDERS.

UNDERCUTS WILL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL". AFTER TOPSOIL STRIPPING AND VEGETATION CLEARING ARE COMPLETE AND PRIOR TO UNDERCUTTING, THE SUBGRADE IN THE AREAS OF THE PROPOSED TUNNEL AND BIKE PATH WILL BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER IN ACCORDANCE WITH THE IDOT SUBGRADE STABILITY MANUAL TO DETERMINE REMEDIAL TREATMENT.

WHERE PAVEMENTS ARE CONSTRUCTED, TESTING OF SUBGRADES AND EMBANKMENTS WILL BE REQUIRED. TESTING REQUIREMENTS WILL BE PER THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND THE SUBGRADE STABILITY MANUAL. IF PROOF ROLLS ARE REQUIRED BY THE ENGINEER, THE COST SHALL BE CONSIDERED INCLUDED IN THE COST OF EXCAVATION.

IN ADDITION TO ANY AREAS SHOWN ON THE PLANS, 150 CY OF ADDITIONAL AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR LOCATIONS WHERE SOILS ARE DETERMINED TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE SOILS ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL AND PROOF ROLL USING FULL LOAD SEMI OR EQUIPMENT APPROVED BY ENGINEER). IF UNSUITABLE AND/OR UNSTABLE MATERIALS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

EARTH AND TOPSOIL EXCAVATION SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING OR SEQUENCING OF CONTRACTORS OPERATIONS THAT REQUIRE TEMPORARY STOCKPILING OF MATERIALS FOR LATER USE FOR REDISTRIBUTION AND RESPREADING IN SHOULDERS AND CONSTRUCTING OF EMBANKMENTS.

TOPSOIL EXCAVATION INCLUDES EXCAVATION, TEMPORARILY STOCKPILING, AND PLACEMENT OR TRANSPORTING SURPLUS FROM THE SITE.

SURPLUS MATERIALS

IT IS INTENDED FOR THE CONTRACTOR TO USE AS MUCH MATERIAL ON SITE AS POSSIBLE. THERE ARE GENERAL MOUNDING AREAS SHOWN IN THE PLANS. THESE AREAS ARE INTENDED FOR WASTING OF SURPLUS MATERIALS. THE CONTRACTOR MAY COORDINATE WITH THE ENGINEER TO RESHAPE THESE AREAS IN ORDER TO WASTE ADDITIONAL SURPLUS MATERIALS. SLOPES SHALL NOT EXCEED 1:3. THE TOP 6 INCH LIFT SHALL BE CLEAN TOPSOIL. OTHER THAN WHAT IS DESIGNATED IN THE PLANS, NO WASTE MATERIALS SHALL BE PLACED IN THE FLOODPLAIN.

RAILROAD FLAGGER

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD COMPANY WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT OF WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05

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PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 1 OF 6 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	6
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

EARTHWORK SCHEDULE – PROPOSED FOX RIVER TRAIL – WEST

LOCATION	END AREAS					TOPSOIL			EARTHWORK			SUBGRADE IMPROVEMENT			
	TOPSOIL STRIPPING (TSS)	TOPSOIL EMBANKMENT	EXCAVATION (CUT)	EMBANKMENT (FILL)	UNDERCUT	21101505 TOPSOIL EXCAVATION & PLACEMENT	TOPSOIL EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-) (NO SHRINKAGE)	20200100 EARTHWORK EXCAVATION	EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-)	20201200 REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	XX006381 CRUSHED AGGREGATE CA-1	210010000 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	
	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)	
PROPOSED FOX RIVER TRAIL															
2+00.00	0.0	0.0	0.0	0.0	0.0										
2+14.61	2.0	1.6	8.6	0.0	0.0	0.5	0.4	0.1	2.3	0.0	2.0	0.0	0.0	0.0	
2+50.00	11.5	10.4	23.9	0.5	0.0	8.9	7.9	1.0	21.3	0.3	17.8	0.0	0.0	0.0	
3+00.00	12.9	12.0	28.7	0.3	0.0	22.6	20.8	1.8	48.7	0.7	40.7	0.0	0.0	0.0	
3+50.00	22.8	21.5	59.9	0.5	0.0	33.1	31.0	2.1	82.0	0.7	69.0	0.0	0.0	0.0	
4+00.00	23.8	22.5	16.4	3.9	0.0	43.2	40.7	2.5	70.6	4.1	55.9	0.0	0.0	0.0	
4+50.00	21.4	20.2	6.2	10.1	0.0	41.8	39.6	2.2	20.9	12.9	4.9	0.0	0.0	0.0	
5+00.00	10.7	9.7	18.8	1.2	0.0	29.7	27.8	1.9	23.1	10.5	9.1	0.0	0.0	0.0	
5+50.00	11.3	10.3	32.3	0.0	0.0	20.4	18.5	1.9	47.3	1.1	39.1	0.0	0.0	0.0	
6+00.00	8.8	7.7	6.3	3.6	0.0	18.6	16.7	1.9	35.7	3.3	27.0	0.0	0.0	0.0	
6+50.00	16.8	15.8	2.8	8.6	0.0	23.6	21.8	1.8	8.4	11.3	-4.2	0.0	0.0	0.0	
7+00.00	20.2	18.9	24.9	1.5	0.0	34.2	32.1	2.1	25.6	9.4	12.4	0.0	0.0	0.0	
7+50.00	19.1	17.8	75.8	1.1	0.0	36.3	34.0	2.3	93.2	2.4	76.8	0.0	0.0	0.0	
8+00.00	18.2	17.0	89.7	0.8	0.0	34.5	32.1	2.4	153.2	1.8	128.4	0.0	0.0	0.0	
8+50.00	17.2	15.9	98.3	0.1	0.0	32.8	30.4	2.4	174.1	0.9	147.1	0.0	0.0	0.0	
9+00.00	26.1	24.8	50.9	12.8	0.0	40.1	37.7	2.4	138.2	12.0	105.5	0.0	0.0	0.0	
9+50.00	29.9	29.0	0.0	301.1	0.0	51.8	49.8	2.0	47.2	290.6	-250.5	0.0	0.0	0.0	
10+00.00	26.8	25.6	0.0	201.5	0.0	52.5	50.5	2.0	0.0	465.3	-465.3	0.0	0.0	0.0	
10+50.00	16.3	15.2	48.4	1.8	0.0	39.9	37.7	2.2	44.8	188.2	-150.1	0.0	0.0	0.0	
11+00.00	25.6	24.5	94.1	21.2	0.0	38.8	36.7	2.1	131.9	21.2	90.9	0.0	21.2	0.0	
11+50.00	22.1	20.4	51.0	32.6	0.0	44.2	41.6	2.6	134.4	49.8	64.4	0.0	0.0	0.0	
12+00.00	11.1	10.0	25.2	1.4	0.0	30.7	28.2	2.5	70.6	31.5	28.5	0.0	0.0	0.0	
12+50.00	11.3	10.2	0.9	32.5	0.0	20.8	18.8	2.0	24.2	31.4	-10.8	0.0	0.0	0.0	
13+00.00	11.5	10.0	0.0	27.1	0.0	21.1	18.7	2.4	0.8	55.2	-54.5	0.0	0.0	0.0	
13+50.00	10.8	9.3	27.4	0.3	0.0	20.6	17.8	2.8	25.4	25.3	-3.7	0.0	0.0	0.0	
14+00.00	9.9	8.3	0.8	9.4	0.0	19.1	16.3	2.8	26.2	8.9	13.4	0.0	0.0	0.0	
14+50.00	11.9	11.8	12.8	3.5	0.0	20.2	18.6	1.6	12.6	11.9	-1.2	0.0	0.0	0.0	
15+00.00	17.8	16.8	212.0	0.0	0.0	27.5	26.4	1.1	208.1	3.3	173.6	0.0	0.0	0.0	
15+50.00	13.5	12.7	74.3	0.0	0.0	29.0	27.3	1.7	265.1	0.0	225.3	0.0	0.0	0.0	
16+00.00	10.8	9.5	42.3	0.0	0.0	22.5	20.6	1.9	108.0	0.0	91.8	0.0	0.0	0.0	
16+50.00	16.7	15.3	8.4	66.9	95.6	25.6	23.0	2.6	46.9	61.9	-22.0	88.5	84.1	105.1	
17+00.00	14.3	13.2	1.3	50.1	52.4	28.8	26.4	2.4	9.0	108.3	-100.7	137.0	149.7	187.0	
17+50.00	28.3	20.4	6.2	151.8	111.2	39.4	31.1	8.3	7.0	186.9	-181.0	151.5	201.2	251.4	
17+80.39	43.2	20.6	0.1	249.0	195.5	40.2	23.1	17.1	3.5	225.5	-222.5	172.6	214.6	268.1	
18+00.00	35.8	25.6	5.1	120.2	192.9	28.7	16.8	11.9	1.9	134.1	-132.5	141.0	155.4	194.2	
18+25.00	0.0	0.0	0.0	0.0	0.0	16.6	11.9	4.7	2.3	55.7	-53.7	89.3	89.4	111.7	
SHRINKAGE FACTOR			15%			TOTAL	1038.3	932.8	105.5	2114.5	2026.4	-229.1	779.9	915.6	1117.5
						ADJ. TOTAL	1039.0	933.0	106.0	2115.0	2027.0	-230.0	780.0	916.0	1118.0

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PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET NO. 2	OF 6 SHEETS	STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	7
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

EARTHWORK SCHEDULE – FOX RIVER TRAIL CONNECTION

LOCATION	END AREAS					TOPSOIL			EARTHWORK			SUBGRADE IMPROVEMENT			
	TOPSOIL STRIPPING (TSS)	TOPSOIL EMBANKMENT	EXCAVATION (CUT)	EMBANKMENT (FILL)	UNDERCUT	21101505 TOPSOIL EXCAVATION & PLACEMENT	TOPSOIL EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-) (NO SHRINKAGE)	20200100 EARTHWORK EXCAVATION	EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-)	20201200 REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	XX006381 CRUSHED AGGREGATE CA-1	210010000 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	
	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)	
FOX RIVER TRAIL CONNECTION															
11+40.00	0.0	0.0	0.0	0.0	0.0										
11+44.00	0.0	0.0	0.0	0.0	142.9	0.0	0.0	0.0	0.0	0.0	0.0	10.6	17.2	0.0	
11+56.86	42.7	38.1	0.0	396.8	195.5	10.2	9.1	1.1	0.0	94.5	-94.5	80.6	95.9	956.0	
11+75.00	34.3	21.2	0.0	210.3	151.9	25.9	19.9	6.0	0.0	203.9	-203.9	116.7	101.3	207.7	
12+00.00	39.2	14.0	0.0	281.7	216.2	34.0	16.3	17.7	0.0	227.8	-227.8	170.4	132.7	272.1	
12+25.00	18.9	9.5	0.4	32.8	103.6	26.9	10.9	16.0	0.2	145.6	-145.4	148.1	104.3	213.9	
12+50.00	14.4	10.1	35.4	1.6	0.0	15.4	9.1	6.3	16.6	15.9	-1.8	48.0	32.0	65.6	
12+75.00	21.1	22.8	51.8	6.8	0.0	16.4	15.2	1.2	40.4	3.9	30.4	0.0	0.0	0.0	
13+00.00	22.8	21.7	51.4	40.8	0.0	20.3	20.6	-0.3	47.8	22.0	18.6	0.0	0.0	0.0	
13+25.00	20.3	19.8	39.5	43.6	0.0	20.0	19.2	0.8	42.1	39.1	-3.3	0.0	0.0	0.0	
13+50.00	5.8	5.9	12.1	0.3	0.0	12.1	11.9	0.2	23.9	20.3	0.0	0.0	0.0	0.0	
13+75.00	9.2	4.8	20.4	2.0	0.0	6.9	4.9	2.0	15.0	1.1	11.7	0.0	0.0	0.0	
SHRINKAGE FACTOR			15%			TOTAL	188.1	137.1	51.0	186.0	774.1	-616.0	563.8	466.2	1715.3
						ADJ. TOTAL	189.0	138.0	51.0	186.0	775.0	-616.0	564.0	467.0	1716.0

EARTHWORK SCHEDULE – ILLINOIS PRAIRIE PATH

LOCATION	END AREAS					TOPSOIL			EARTHWORK			SUBGRADE IMPROVEMENT			
	TOPSOIL STRIPPING (TSS)	TOPSOIL EMBANKMENT	EXCAVATION (CUT)	EMBANKMENT (FILL)	UNDERCUT	21101505 TOPSOIL EXCAVATION & PLACEMENT	TOPSOIL EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-) (NO SHRINKAGE)	20200100 EARTHWORK EXCAVATION	EMBANKMENT	BALANCE WASTE (+) OR SHORTAGE (-)	20201200 REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	XX006381 CRUSHED AGGREGATE CA-1	210010000 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	
	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)	
ILLINOIS PRAIRIE PATH															
50+25.00	0.0	0.0	0.0	0.0	0.0										
50+37.40	3.9	3.5	2.5	0.9	0.0	0.9	0.8	0.1	0.6	0.2	0.3	0.0	0.0	0.0	
50+50.00	5.9	4.8	2.5	3.3	0.0	2.3	1.9	0.4	1.2	1.0	0.0	0.0	0.0	0.0	
51+00.00	4.5	3.2	2.6	1.8	0.0	9.7	7.5	2.2	4.8	4.7	-0.6	0.0	0.0	0.0	
51+44.61	4.2	2.8	2.4	1.1	0.0	7.2	5.0	2.2	4.2	2.4	1.2	0.0	0.0	0.0	
51+72.79	5.9	4.5	2.7	2.7	0.0	5.3	3.8	1.5	2.7	2.0	0.3	0.0	0.0	0.0	
52+00.00	3.6	2.3	3.7	0.7	0.0	4.8	3.4	1.4	3.2	1.7	1.0	0.0	0.0	0.0	
52+57.14	5.1	8.0	8.2	0.1	0.0	9.3	10.9	-1.6	12.5	0.8	9.8	0.0	0.0	0.0	
53+01.01	1.5	5.7	9.6	0.0	0.0	5.4	11.1	-5.7	14.4	0.1	12.1	0.0	0.0	0.0	
53+50.00	16.6	15.3	2.4	35.0	0.0	16.4	19.0	-2.6	10.9	31.8	-22.5	0.0	0.0	0.0	
53+95.07	9.8	9.5	1.9	7.3	0.0	22.0	20.7	1.3	3.6	35.3	-32.2	0.0	0.0	0.0	
SHRINKAGE FACTOR			15%			TOTAL	83.3	84.1	-0.8	58.1	80.0	-30.6	0.0	0.0	0.0
						ADJ. TOTAL	84.0	85.0	-1.0	59.0	80.0	-31.0	0.0	0.0	0.0

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 DATE - 03/21/19
 PLOT SCALE = 1:2
 PLOT DATE = 3/21/2019

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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 3 OF 6 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	8
CONTRACT NO. 61E01		ILLINOIS FED. AID PROJECT	

REMOVAL SCHEDULE

LOCATION	63200310	K1005863	X0322881	X0323360	X0327036	X0327277	X2010310	X2010350	X6640300	XX006052
	GUARDRAIL REMOVAL	TREE ROOT PRUNING	TREE TRIMMING	WOODEN POLE REMOVAL	BIKE PATH REMOVAL	ROLOCATE KIOSK	TREE REMOVAL (SPECIAL)	TREE REMOVAL, ACRES (SPECIAL)	CHAIN LINK FENCE REMOVAL	SANITARY SEWER REMOVAL (SPECIAL)
	(FOOT)	(EACH)	(EACH)	(EACH)	(SQ YD)	(EACH)	(UNIT)	(ACRE)	(FOOT)	(FOOT)
FOX RIVER TRAIL -WEST										
2+00.00 - 8+00.00		15.0	15.0		528.1			0.564	110.0	
8+00.00 - 16+00.00		21.0	21.0	2.0	554.1			1.307	353.0	
16+00.00 - 18+50.00					431.2			0.282	396.0	
FOX RIVER TRAIL CONNECTOR										
11+00.00 - 15+00.00					324.5			0.439	12.0	
ILLINOIS PRAIRIE PATH & FOX RIVER TRAIL -EAST										
50+37.4 - 55+95.1	156.0				328.5	1.0		0.196		
COMPENSATORY STORAGE AREA								0.518	126.0	113.0
RE DESCRETION		10.0	5.0				100.0	0.100		
TOTAL	156.0	46.0	41.0	2.0	2166.4	1.0	100.0	3.406	997.0	113.0
ADJUSTED TOTAL	156.0	46.0	41.0	2.0	2167.0	1.0	100.0	3.5	997.0	113.0

PAVEMENT SCHEDULE

LOCATION	31101810	40800025	40800029	60608552	63000001	X4240440	XX006195	XX006429
	SUBBASE GRANULAR MATERIAL, TYPE B 12"	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH,	STABILIZED BICYCLE PATH	SIDEWALK, SPECIAL
	(SQ YD)	(POUND)	(POUND)	(FOOT)	(FOOT)	(SQ FT)	(SQ YD)	(SQ FT)
FOX RIVER TRAIL -WEST								
2+00.00 - 8+00.00	713.9	1459.9	146.0				648.8	
8+00.00 - 16+00.00	733.3	1500.0	150.0				666.7	
16+00.00 - 18+50.00	705.9	1371.5	137.1	73.8		192	609.5	
FOX RIVER TRAIL CONNECTOR								
11+00.00 - 15+00.00	400.3	1034.5	103.5	73.8			459.8	204.2
ILLINOIS PRAIRIE PATH & FOX RIVER TRAIL -EAST								
50+37.4 - 55+95.1	537.6	858.8	85.9	47.2	125.0		381.7	
COMPENSATORY STORAGE AREA								
RE DESCRETION								
TOTAL	3091.0	6224.7	622.5	194.8	125.0	192.0	2766.5	204.2
ADJUSTED TOTAL	3091.0	6225.0	623.0	195.0	125.0	192.0	2767.0	205.0

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PLOT SCALE = 1:2	DRAWN - NDP	REVISED -
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	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES	
SCALE:	SHEET NO. 4 OF 6 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	9
CONTRACT NO. 61E01		ILLINOIS FED. AID PROJECT	

EROSION CONTROL SCHEDULE

LOCATION	25100630	25100635	28000250	28000305	28000400	28000510	28001100	28001200	28100105	28200200
	EROSION CONTROL BLANKET	HEAVY DUTY EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET FILTERS	TEMPORARY EROSION CONTROL BLANKET	TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET	STONE RIPRAP, CLASS A3	FILTER FABRIC
	(SQ YD)	(SQ YD)	(POUND)	(FOOT)	(FOOT)	(EACH)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
FOX RIVER TRAIL -WEST										
2+00.00 - 8+00.00	3323.7		164.2	140.0	772.6					
8+00.00 - 16+00.00	6100.9	527.5	310.3	410.0	1906.8				4.0	4.0
16+00.00 - 18+50.00	1373.2	175.5	75.6		537.2	2.0			4.0	4.0
FOX RIVER TRAIL CONNECTOR										
11+00.00 - 15+00.00	2327.4	348.1	120.8		616.4				13.0	13.0
ILLINOIS PRAIRIE PATH & FOX RIVER TRAIL -EAST										
50+37.4 - 55+95.1	766.2		48.9		754.3					
COMPENSATORY STORAGE AREA	9,015.7		372.6		650.0					
RE DISCRETION			100.0	100.0	200.0	2.0	5727.0	526.0		
TOTAL	22907.1	1051.1	1192.35	650.0	5437.3	4.0	5727.0	526.0	21.0	21.0
ADJUSTED TOTAL	22908.00	1052.00	1193.00	650.0	5438.0	4.0	5727.0	526.0	21.0	21.0

RESTORATION SCHEDULE

LOCATION	25000115	25000310	25000314	25000322	25000400	25000324	25000600
	SEEDING, CLASS 1B	SEEDING, CLASS 4	SEEDING, CLASS 4B	SEEDING, CLASS 5A	SEEDING, CLASS 5B	NITROGEN FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
	(ACRE)	(ACRE)	(ACRE)	(ACRE)	(ACRE)	(POUND)	(POUND)
FOX RIVER TRAIL -WEST							
2+00.00 - 8+00.00	0.134	0.276		0.276		12.1	12.1
8+00.00 - 16+00.00	0.183	0.563	0.031	0.563	0.031	16.4	16.4
16+00.00 - 18+50.00	0.058	0.050	0.081	0.050	0.081	5.2	5.2
FOX RIVER TRAIL CONNECTOR							
11+00.00 - 15+00.00	0.051	0.112	0.139	0.112	0.139	4.6	4.6
ILLINOIS PRAIRIE PATH & FOX RIVER TRAIL -EAST							
50+37.4 - 55+95.1	0.086	0.013	0.023	0.013	0.023	7.8	7.8
COMPENSATORY STORAGE AREA		0.461	0.470	0.461	0.470		
RE DISCRETION							
TOTAL	0.512	1.475	0.744	1.475	0.744	46.1	46.1
ADJUSTED TOTAL	0.75	1.75	1.00	1.75	1.00	47.0	47.0

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PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET NO. 5	OF 6 SHEETS	STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	10
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

SIGNING AND FENCING

LOCATION	72000100	73000100	X6640525	X6640560	X6640570	X2200017
	SIGN PANEL - TYPE 1	WOOD SIGN SUPPORT	CHAIN LINK FENCE, 4' ATTACHED TO STRUCTURE	CHAIN LINK FENCE, 6' (SPECIAL)	CHAIN LINK FENCE, 8' (SPECIAL)	GATE, SPECIAL 6' (16' DOUBLE SWING GATE)
	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)
FOX RIVER TRAIL -WEST						
2+00.00 - 8+00.00	11.75	33.0		110.00		
8+00.00 - 16+00.00	15.00	66.0		552.00		1.00
16+00.00 - 18+50.00				102.00	465.00	
FOX RIVER TRAIL CONNECTOR						
11+00.00 - 15+00.00	9.00		126.00		61.00	
ILLINOIS PRAIRIE PATH & FOX RIVER TRAIL -EAST						
50+37.4 - 55+95.1	22.00	55.0				
COMPENSATORY STORAGE AREA RE DESCRETION						
TOTAL	57.75	154.0	126.0	764.0	526.0	1.0
ADJUSTED TOTAL	57.75	154.0	126.0	764.0	526.0	1.0

DRAINAGE SCHEDULE

LOCATION	60100060	60108200	60207605	X6013600
	CONCRETE HEADWALLS FOR PIPE DRAINS	PIPE UNDERDRAINS 6" (SPECIAL)	CATCH BASINS, TYPE C, TYPE 8 GRATE	PIPE UNDERDRAINS 4" (MODIFIED)
	(EACH)	(FOOT)	(EACH)	(FOOT)
FOX RIVER TRAIL -WEST				
2+00.00 - 8+00.00				
8+00.00 - 16+00.00	1.0	73.0	1.0	101.0
16+00.00 - 18+50.00	1.0		1.0	340.0
FOX RIVER TRAIL CONNECTOR				
11+00.00 - 15+00.00				
ILLINOIS PRAIRIE PATH & FOX RIVER TRAIL -EAST				
50+37.4 - 55+95.1				
COMPENSATORY STORAGE AREA RE DESCRETION				
TOTAL	2.0	73.0	2.0	441.0
ADJUSTED TOTAL	2.0	73.0	2.0	441.0

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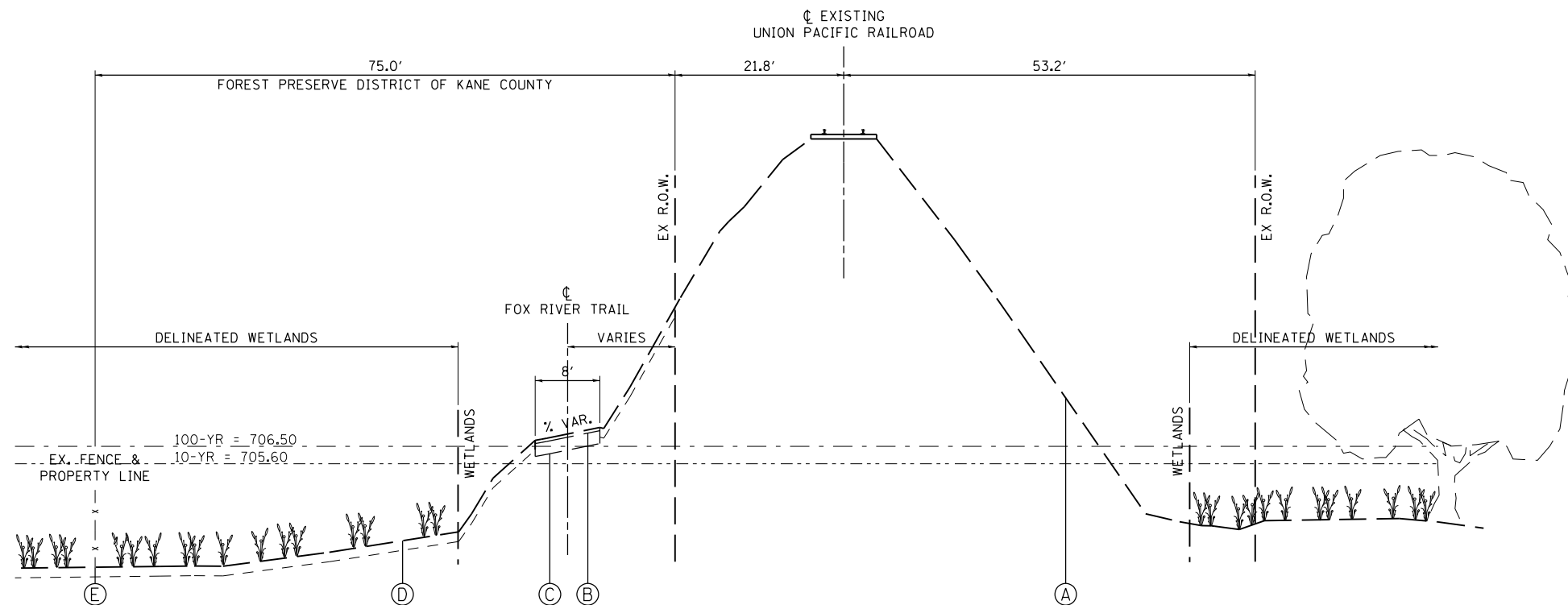
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PLOT SCALE = 1:2	CHECKED - SBP	REVISED -
PLOT DATE = 3/21/2019	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET NO. 6 OF 6 SHEETS	STA.	TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	11
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			



* WETLANDS LEFT OF PATH FROM STA. 14+83.7 TO STA. 18+16.5

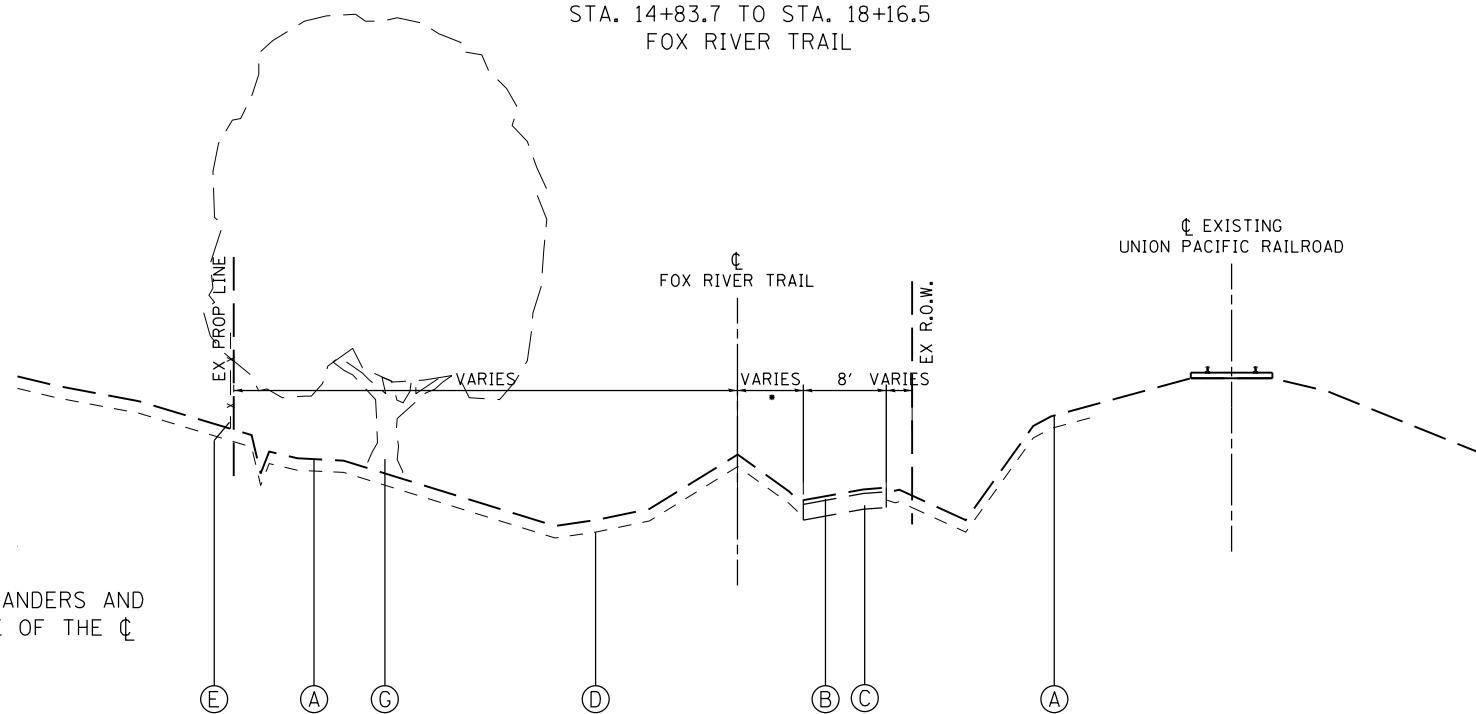
** WETLANDS RIGHT OF PATH FROM STA. 16+87.4 TO STA. 17+76.7

EXISTING TYPICAL SECTION NO. 2

STA. 14+83.7 TO STA. 18+16.5
FOX RIVER TRAIL

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING ASPHALT BIKE PATH PAVEMENT, 2"-4" - BIKE PATH REMOVAL (X0327036)
- (C) EXISTING GRANULAR SUB-BASE - TO BE REMOVED (INCLUDED IN EARTH EX. - 20200100)
- (D) EXISTING TOPSOIL, 4"-12" - TO BE REMOVED (TO BE PAID AS TOPSOIL EXCAVATION AND PLACEMENT - 21101505)
- (E) EXISTING CHAIN LINK FENCE W/BARBS, 6' - TO BE REMOVED - X6640300)
- (F) EXISTING GUARDRAIL - TO BE REMOVED (63200310)
- (G) EXISTING TREE - TO BE REMOVED BY OTHERS



* EXISTING BIKE PATH MEANDERS AND CAN BE ON EITHER SIDE OF THE CL

EXISTING TYPICAL SECTION NO. 1

STA. 2+14.6 TO STA. 14+83.7
FOX RIVER TRAIL

EXISTING PAVEMENT NOTES

1. INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE "STRUCTURAL GEOTECHNICAL REPORT" PREPARED BY TESTING SERVICE CORPORATION DATED SEPTEMBER 2, 2014
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE THICKNESS OF THE EXISTING PAVEMENTS TO BE REMOVED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF VARIATIONS FROM THE ASSUMED THICKNESS SHOWN ON THE PLANS.

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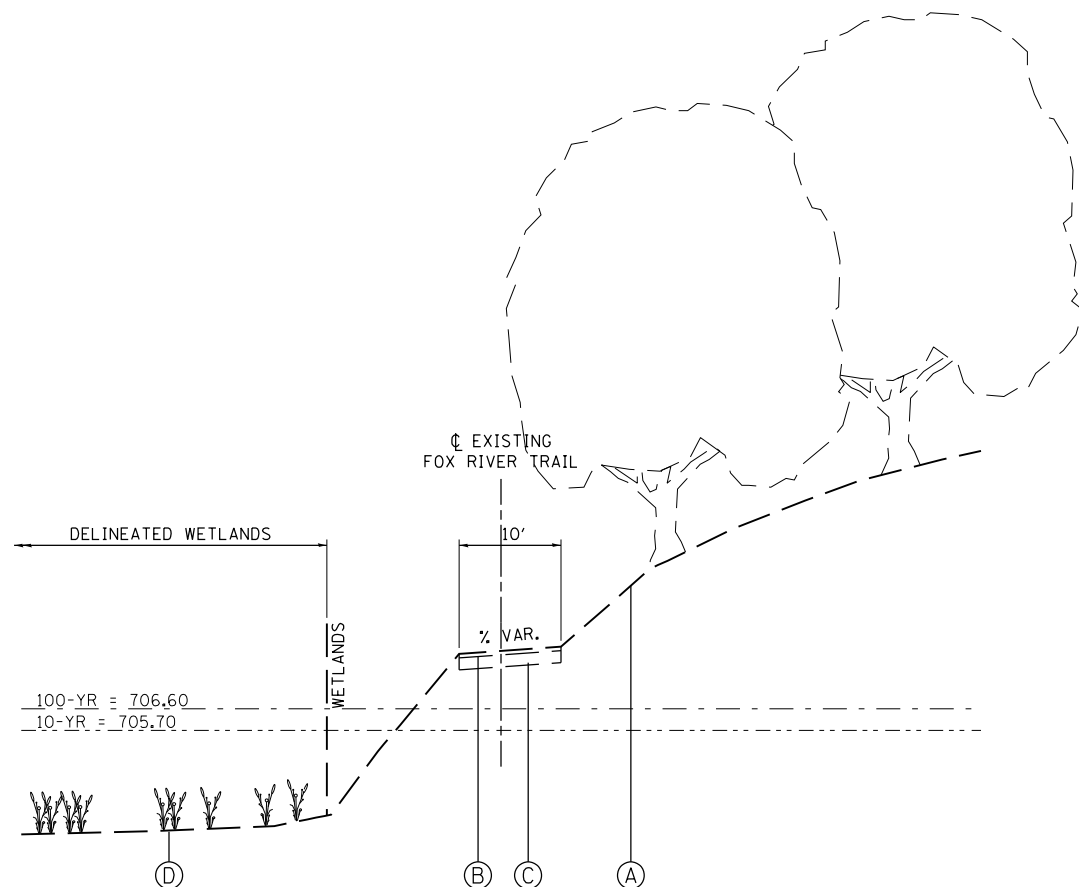
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PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
FOX RIVER TRAIL

SCALE: SHEET NO. 1 OF 9 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	12
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			



EXISTING TYPICAL SECTION NO. 3

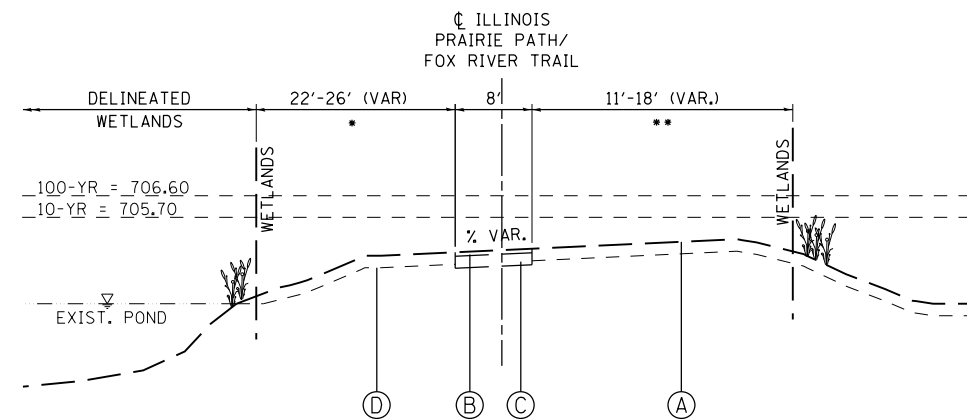
FOX RIVER TRAIL
ADJACENT TO POPLAR CREEK

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING ASPHALT BIKE PATH PAVEMENT, 2"-4" - BIKE PATH REMOVAL (X0327036)
- (C) EXISTING GRANULAR SUB-BASE - TO BE REMOVED (INCLUDED IN EARTH EX. - 20200100)
- (D) EXISTING TOPSOIL, 4"-12" - TO BE REMOVED (TO BE PAID AS TOPSOIL EXCAVATION AND PLACEMENT - 21101505)
- (E) EXISTING CHAIN LINK FENCE W/BARBS, 6' - TO BE REMOVED - X6640300)
- (F) EXISTING GUARDRAIL - TO BE REMOVED (63200310)

EXISTING PAVEMENT NOTES

1. INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE "STRUCTURAL GEOTECHNICAL REPORT" PREPARED BY TESTING SERVICE CORPORATION DATED SEPTEMBER 2, 2014
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE THICKNESS OF THE EXISTING PAVEMENTS TO BE REMOVED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF VARIATIONS FROM THE ASSUMED THICKNESS SHOWN ON THE PLANS.



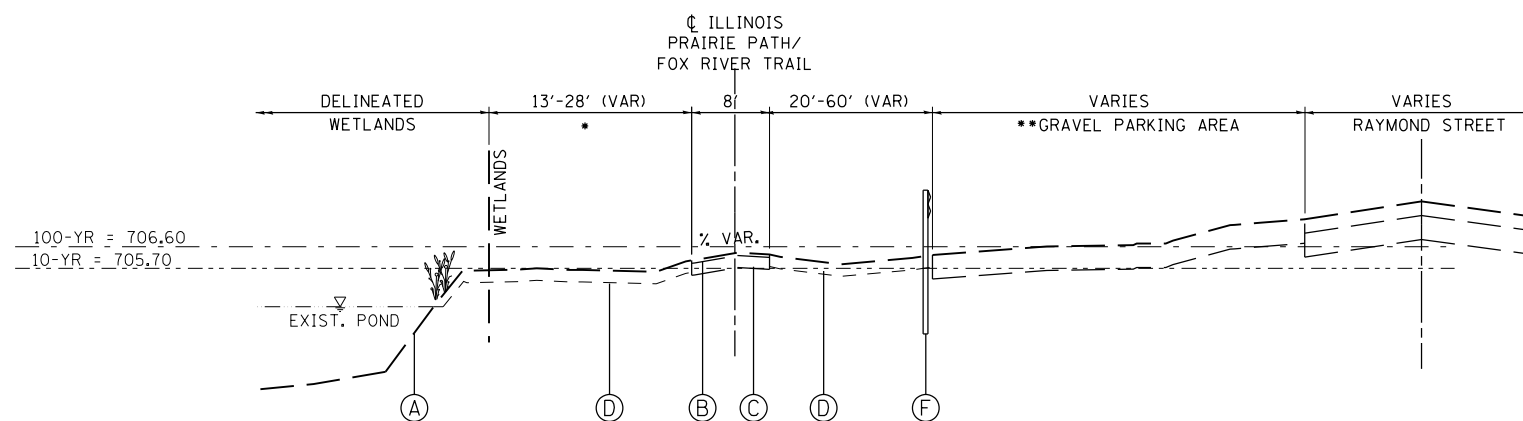
* WETLANDS LEFT OF PATH FROM STA. 50+24 TO STA. 52+22 AND STA. 52+88 TO STA. 53+93

** WETLANDS RIGHT OF PATH FROM STA. 51+98 TO STA. 53+93

EXISTING TYPICAL SECTION NO. 4

STA. 50+37.4 TO STA. 52+67.7
STA. 51+82.0 TO STA. 52+79.1
ILLINOIS PRAIRIE PATH

STA. 52+79.1 TO STA. 53+75.5
FOX RIVER TRAIL



* WETLANDS LEFT OF PATH FROM STA. 50+24 TO STA. 52+22 AND STA. 52+88 TO STA. 53+93

** GRAVEL PARKING AREA RIGHT OF PATH FROM STA. 50+55.6 TO STA. 51+91.5

EXISTING TYPICAL SECTION NO. 5

STA. 50+67.7 TO STA. 51+82.0
ILLINOIS PRAIRIE PATH

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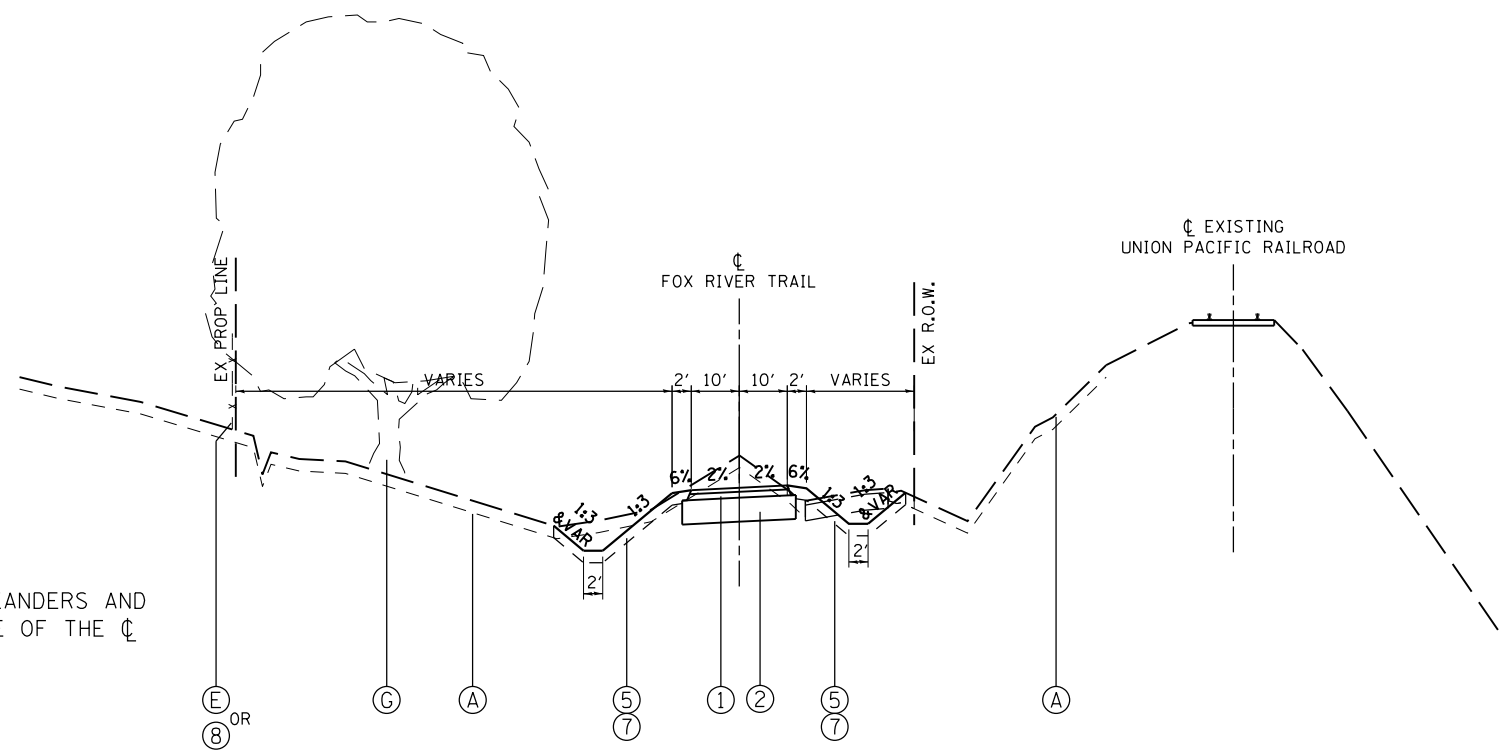


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FOX RIVER TRAIL & ILLINOIS PRAIRIE PATH		14-F3000-07-BT	KANE	109	13
SCALE:		SHEET NO. 2 OF 9 SHEETS		STA. TO STA.	
		ILLINOIS FED. AID PROJECT		CONTRACT NO. 61E01	



PROPOSED TYPICAL SECTION NO. 1
 STA. 2+14.6 TO STA. 14+83.7
 FOX RIVER TRAIL

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING ASPHALT BIKE PATH PAVEMENT, 2"-4" - BIKE PATH REMOVAL (X0327036)
- (C) EXISTING GRANULAR SUB-BASE - TO BE REMOVED (INCLUDED IN EARTH EX. - 20200100)
- (D) EXISTING TOPSOIL, 4"-12" - TO BE REMOVED (TO BE PAID AS TOPSOIL EXCAVATION AND PLACEMENT - 21101505)
- (E) EXISTING CHAIN LINK FENCE W/BARBS, 6' - TO BE REMOVED - X6640300
- (F) EXISTING GUARDRAIL - TO BE REMOVED (63200310)
- (G) EXISTING TREE - TO BE REMOVED BY OTHERS

LEGEND, PROPOSED

- (1) STABILIZED BICYCLE PATH, 5" (XX006195)
 2" SURFACE COURSE, MIX "D", N50
 3" HMA BASE COURSE, IL-19.0, N50
- (2) SUBBASE GRANULAR MATERIAL, TYPE B 12" (31101810)
- (3) PIPE UNDERDRAINS, 4" MODIFIED (X6013600)
- (4) EMBANKMENT
- (5) 6" TOPSOIL PLACEMENT (TO BE PAID AS TOPSOIL EXC & PLAC - 21101505)
- (6) 21" TOPSOIL PLACEMENT (TO BE PAID AS TOPSOIL EXC & PLAC - 21101505)
- (7) SEEDING W/EROSION CONTROL BLANKET (25100630)
- (8) CHAIN LINK FENCE W/BARBS, 6' (X6640560)
- (9) SIDEWALK, SPECIAL, 6" (XX006429)
- (10) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06 (60608552)
- (11) 12" STEEL CASING PIPE, SPECIAL, TUNNELED COMPLETE (XX007943)
- (12) FURNISH & INSTALL HANDRAIL (X0326998)
- (13) PORTLAND CEMENT CONCRETE FLOOR (TO BE PAID AS STEEL CASING PIPE, SPECIAL, TUNNELED COMPLETE - XX007943)
- (14) STEEL PLATE BEAM GUARDRAIL TYPE A, 6' POST (63000001)
- (15) SEEDING W/HEAVY DUTY EROSION CONTROL BLANKET (25100635)

* EXISTING BIKE PATH MEANDERS AND CAN BE ON EITHER SIDE OF THE CL

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS @ Ndes
FOX RIVER TRAIL - STABILIZED BICYCLE PATH RECONSTRUCTION (5")	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 3" (2-1/4" MIN.)	4% @ 50 GYR.
FOX RIVER TRAIL RE-ROUTE - STABILIZED BICYCLE PATH RECONSTRUCTION (5")	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 3" (2-1/4" MIN.)	4% @ 50 GYR.
ILLINOIS PRAIRIE PATH - STABILIZED BICYCLE PATH RECONSTRUCTION (5")	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 3" (2-1/4" MIN.)	4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SO YD/IN.
 THE AC TYPE FOR NON-POLYMERIZED HMA SHALL BE "PG64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS, SEE SPECIAL PROVISIONS.

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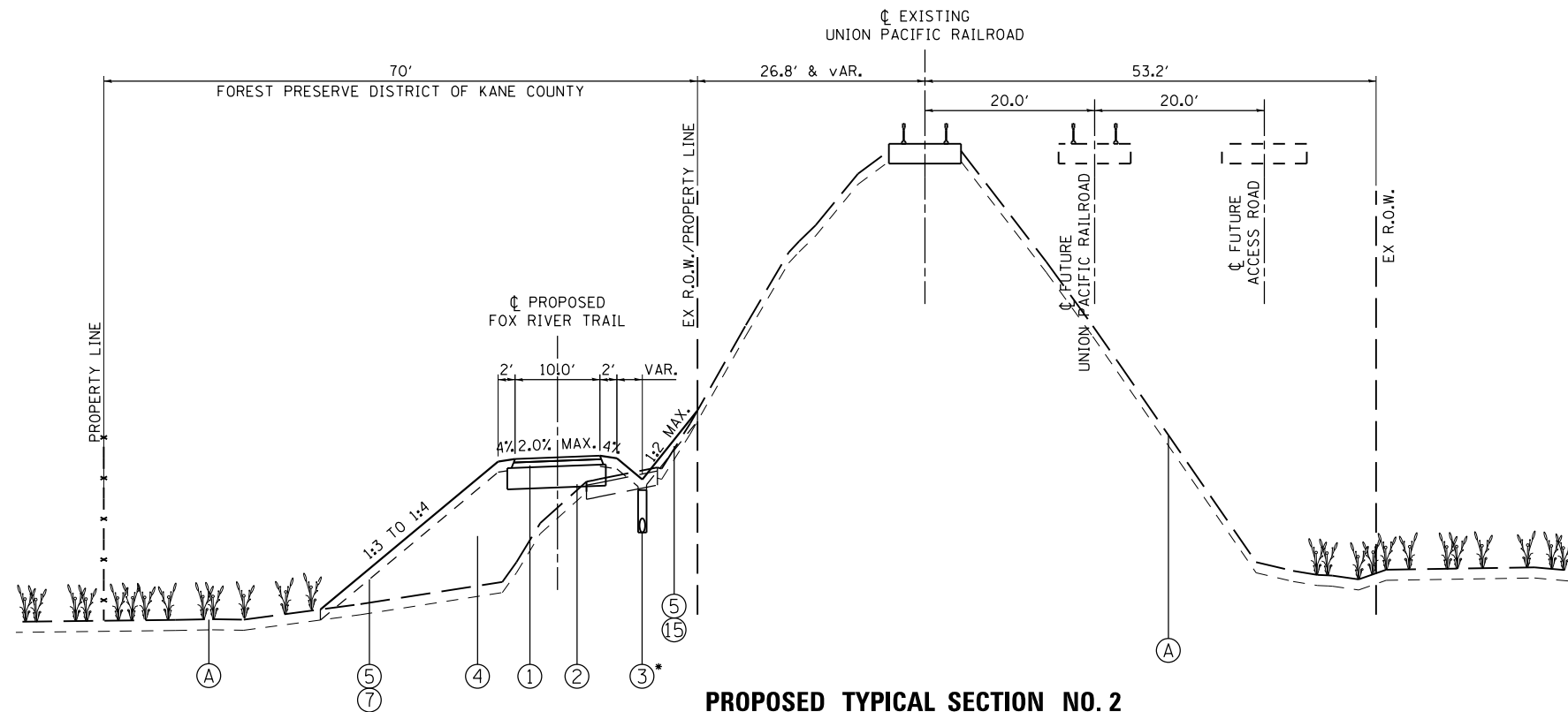
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PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
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	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 FOX RIVER TRAIL**

SCALE: SHEET NO. 3 OF 9 SHEETS STA. TO STA.

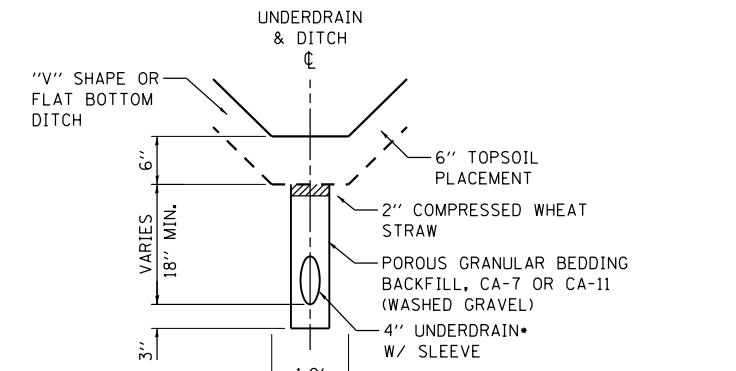
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	14
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			



PROPOSED TYPICAL SECTION NO. 2

STA. 14+83.7 TO STA. 18+16.5
FOX RIVER TRAIL

* UNDERDRAIN LOCATION:
STA. 14+83.7 TO STA. 18+16.5, RT.



NOTES:

- POROUS GRANULAR BEDDING BACKFILL & COMPRESSED STRAW SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAIN.

PIPE UNDERDRAIN, 4" (MODIFIED)

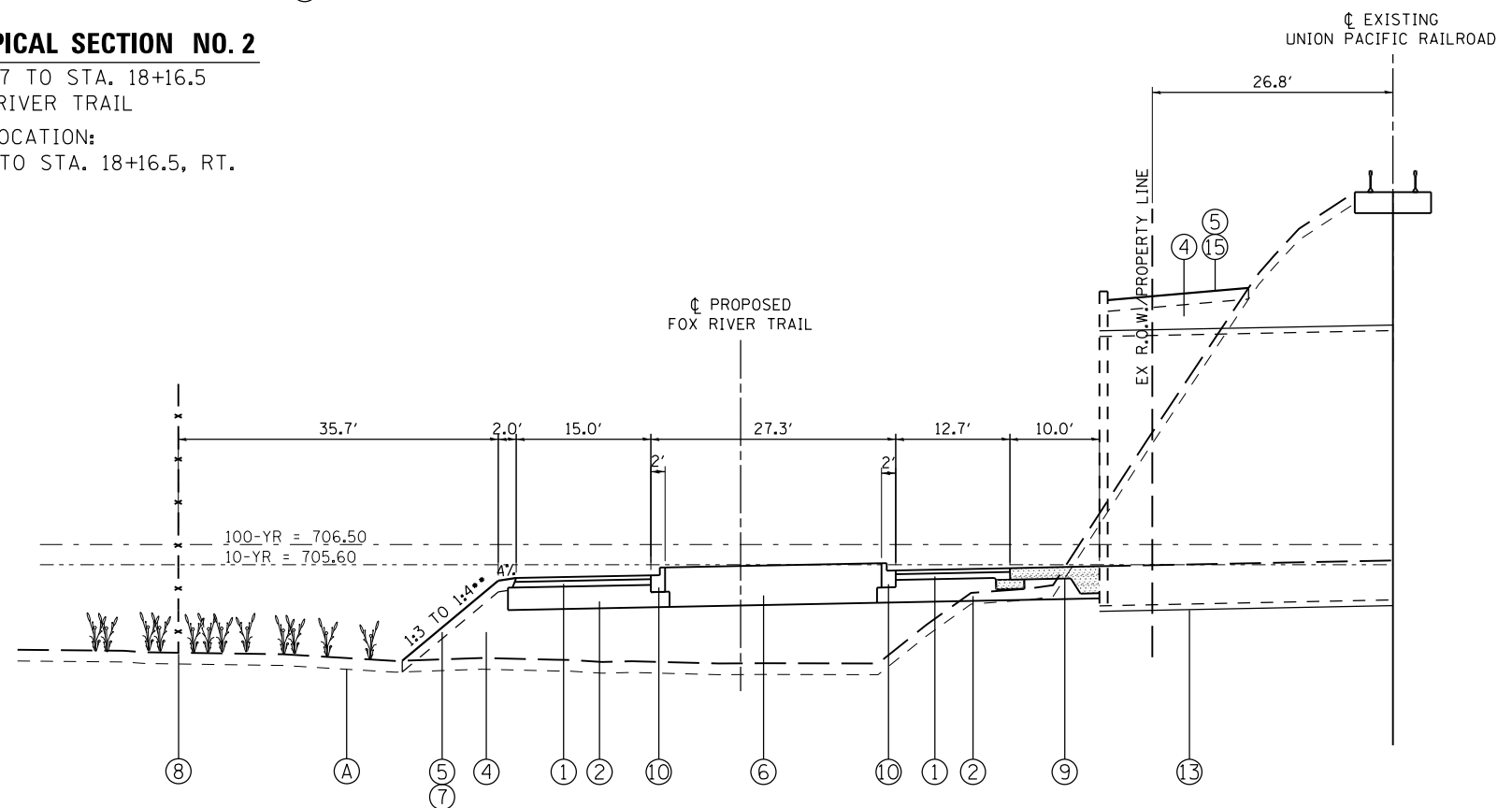
IN DITCHES AS NOTED ON
DRAINAGE PLAN & PROFILE SHEETS

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING ASPHALT BIKE PATH PAVEMENT, 2"-4" - BIKE PATH REMOVAL (X0327036)
- (C) EXISTING GRANULAR SUB-BASE - TO BE REMOVED (INCLUDED IN EARTH EX. - 20200100)
- (D) EXISTING TOPSOIL, 4"-12" - TO BE PAID AS TOPSOIL EXCAVATION AND PLACEMENT - 21101505
- (E) EXISTING CHAIN LINK FENCE W/BARBS, 6' - TO BE REMOVED - X6640300
- (F) EXISTING GUARDRAIL - TO BE REMOVED (63200310)

LEGEND, PROPOSED

- (1) STABILIZED BICYCLE PATH, 5" (XX006195)
2" SURFACE COURSE, MIX "D", N50
3" HMA BASE COURSE, IL-19.0, N50
- (2) SUBBASE GRANULAR MATERIAL, TYPE B 12" (31101810)
- (3) PIPE UNDERDRAINS, 4" MODIFIED (X6013600)
- (4) EMBANKMENT
- (5) 6" TOPSOIL PLACEMENT (TO BE PAID AS TOPSOIL EXC & PLAC - 21101505)
- (6) 21" TOPSOIL PLACEMENT (TO BE PAID AS TOPSOIL EXC & PLAC - 21101505)
- (7) SEEDING W/EROSION CONTROL BLANKET (25100630)
- (8) CHAIN LINK FENCE W/BARBS, 6' (X6640560)
- (9) SIDEWALK, SPECIAL, 6" (XX006429)
- (10) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06 (60608552)
- (11) 12' STEEL CASING PIPE, SPECIAL, TUNNELED COMPLETE (XX007943)
- (12) FURNISH & INSTALL HANDRAIL (X0326998)
- (13) PORTLAND CEMENT CONCRETE FLOOR (TO BE PAID AS STEEL CASING PIPE, SPECIAL, TUNNELED COMPLETE - XX007943)
- (14) STEEL PLATE BEAM GUARDRAIL TYPE A, 6' POST (63000001)
- (15) SEEDING W/HEAVY DUTY EROSION CONTROL BLANKET (25100635)



PROPOSED TYPICAL SECTION NO. 3

SECTION THROUGH ROUNDABOUT
STA. 14+80.4
FOX RIVER TRAIL

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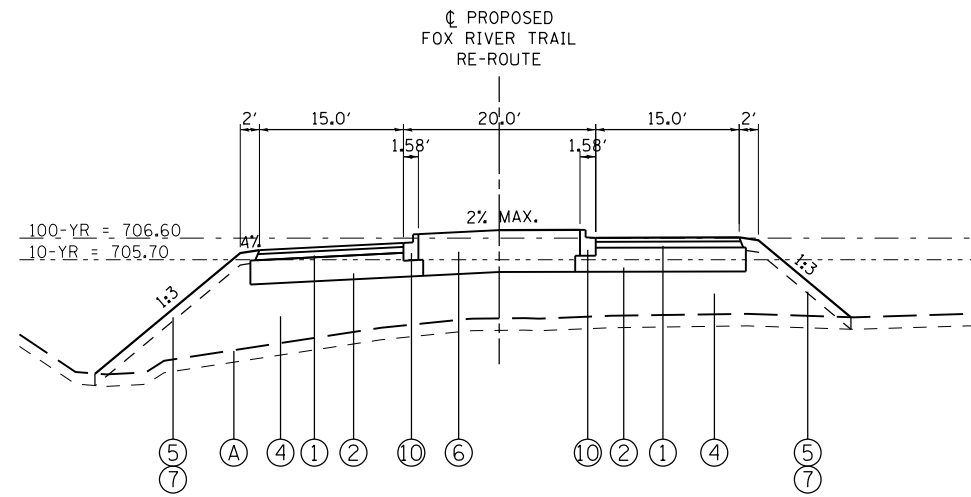


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PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

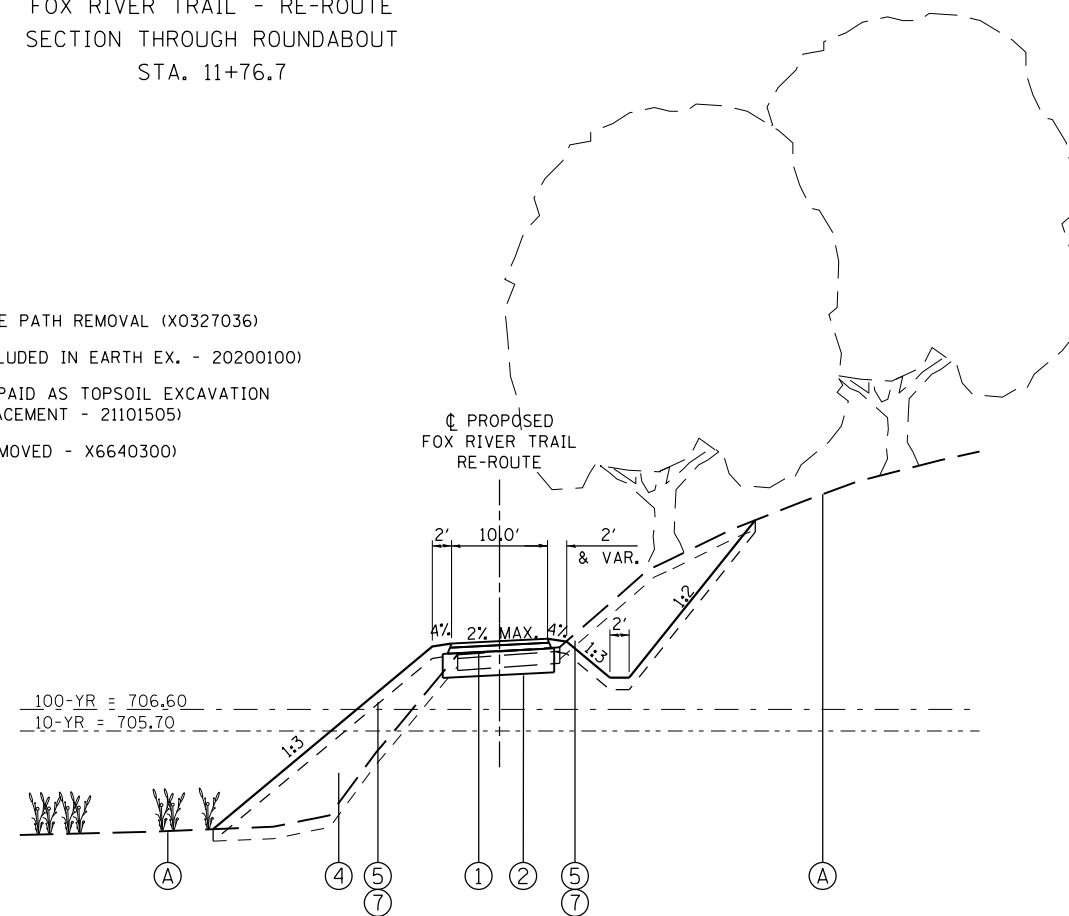
SCALE:	SHEET NO. 4 OF 9 SHEETS	STA. TO STA.	TYPICAL SECTIONS		TOTAL SHEETS	SHEET NO.
			FOX RIVER TRAIL			
			SECTION	COUNTY	109	15
			14-F3000-07-BT	KANE	CONTRACT NO. 61E01	
			ILLINOIS FED. AID PROJECT			



PROPOSED TYPICAL SECTION NO. 5
 FOX RIVER TRAIL - RE-ROUTE
 SECTION THROUGH ROUNDABOUT
 STA. 11+76.7

LEGEND, EXISTING

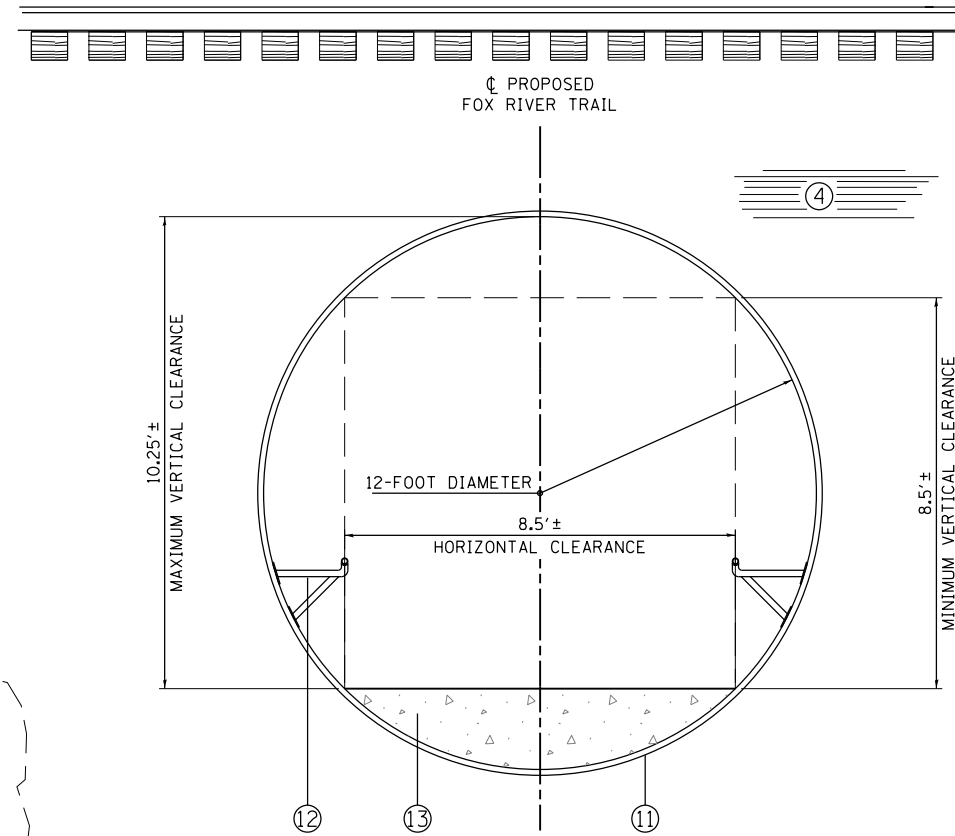
- (A) EXISTING GROUND
- (B) EXISTING ASPHALT BIKE PATH PAVEMENT, 2"-4" - BIKE PATH REMOVAL (X0327036)
- (C) EXISTING GRANULAR SUB-BASE - TO BE REMOVED (INCLUDED IN EARTH EX. - 20200100)
- (D) EXISTING TOPSOIL, 4"-12" - TO BE REMOVED (TO BE PAID AS TOPSOIL EXCAVATION AND PLACEMENT - 21101505)
- (E) EXISTING CHAIN LINK FENCE W/BARBS, 6' - TO BE REMOVED - X6640300
- (F) EXISTING GUARDRAIL - TO BE REMOVED (63200310)



PROPOSED TYPICAL SECTION NO. 6
 FOX RIVER TRAIL - RE-ROUTE
 STA. 11+56.9 TO 14+10.0

SEE TYPICALS FOR FOX RIVER TRAIL
 FOR PATH AT STA. 9+89.0 TO STA. 10+66.9

PEDESTRIAN TUNNEL OMISSION
 STA. 10+66.86 TO STA. 11+56.86



PROPOSED TYPICAL SECTION NO. 4
 STA. 10+66.86 TO STA. 11+56.86
 PEDESTRIAN TUNNEL

LEGEND, PROPOSED

- (1) STABILIZED BICYCLE PATH, 5" (XX006195)
2" SURFACE COURSE, MIX "D", N50
3" HMA BASE COURSE, IL-19.0, N50
- (2) SUBBASE GRANULAR MATERIAL, TYPE B 12" (31101810)
- (3) PIPE UNDERDRAINS, 4" MODIFIED (X6013600)
- (4) EMBANKMENT
- (5) 6" TOPSOIL PLACEMENT (TO BE PAID AS TOPSOIL EXC & PLAC - 21101505)
- (6) 21" TOPSOIL PLACEMENT (TO BE PAID AS TOPSOIL EXC & PLAC - 21101505)
- (7) SEEDING W/EROSION CONTROL BLANKET (25100630)
- (8) CHAIN LINK FENCE W/BARBS, 6' (X6640560)
- (9) SIDEWALK, SPECIAL, 6" (XX006429)
- (10) COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06 (60608552)
- (11) 12' STEEL CASING PIPE, SPECIAL, TUNNELED COMPLETE (XX007943)
- (12) FURNISH & INSTALL HANDRAIL (X0326998)
- (13) PORTLAND CEMENT CONCRETE FLOOR (TO BE PAID AS STEEL CASING PIPE, SPECIAL, TUNNELED COMPLETE - XX007943)
- (14) STEEL PLATE BEAM GUARDRAIL TYPE A, 6' POST (63000001)
- (15) SEEDING W/HEAVY DUTY EROSION CONTROL BLANKET (25100635)

FILE NAME = W:\Projects\2015\150274_RaymondStFRTPH\1\cadd\Civil\0gpr\Shk\TYP_06.dgn



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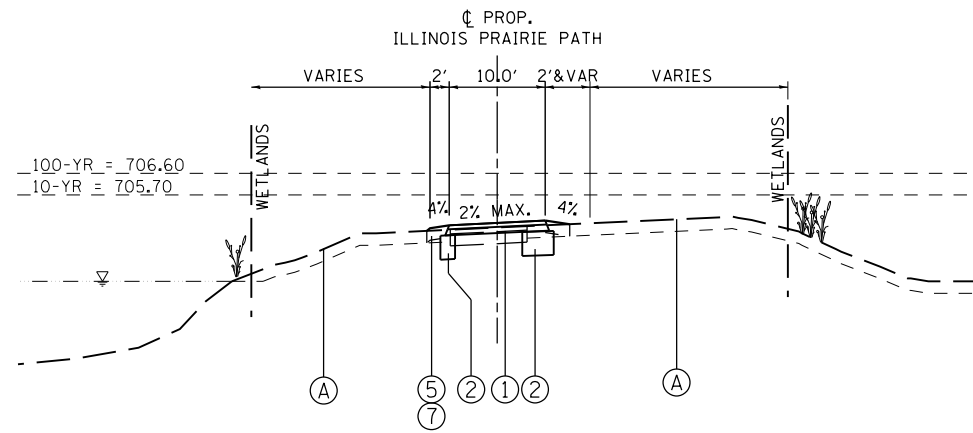
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PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

STATE OF ILLINOIS
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TYPICAL SECTIONS
 FOX RIVER TRAIL

SCALE: SHEET NO. 5 OF 9 SHEETS STA. TO STA.

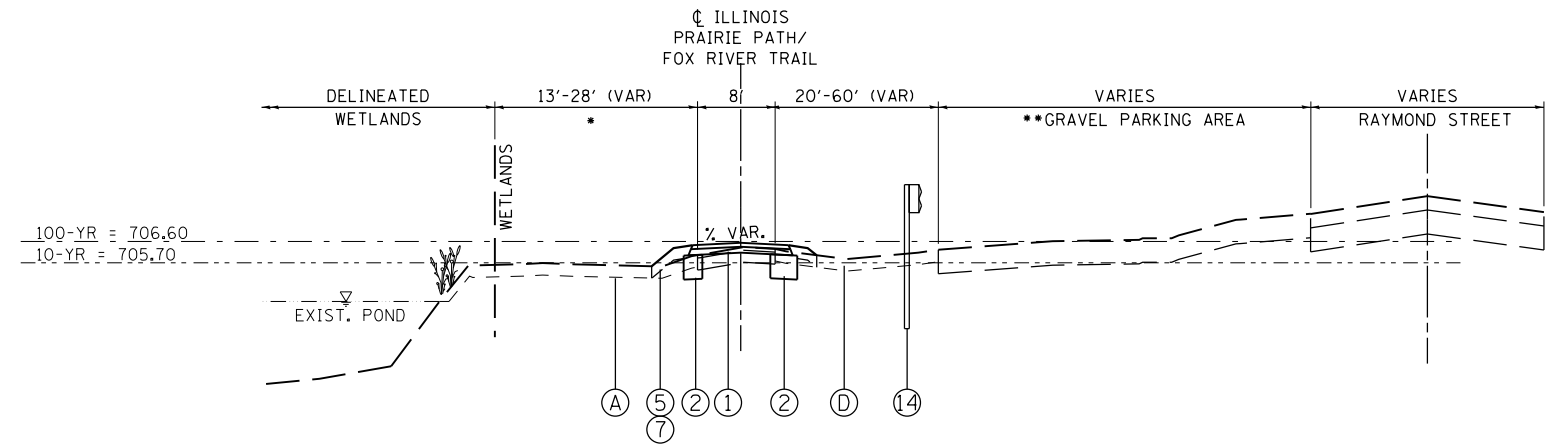
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	16
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			



PROPOSED TYPICAL SECTION NO. 7

STA. 50+37.4 TO STA. 52+67.7
 STA. 51+82.0 TO STA. 52+79.1
 ILLINOIS PRAIRIE PATH

STA. 52+79.1 TO STA. 53+75.5
 FOX RIVER TRAIL



* WETLANDS LEFT OF PATH FROM STA. 50+24 TO STA. 52+22 AND STA. 52+88 TO STA. 53+93

** GRAVEL PARKING AREA RIGHT OF PATH FROM STA. 50+55.6 TO STA. 51+91.5

PROPOSED TYPICAL SECTION NO. 8

STA. 50+67.7 TO STA. 51+82.0
 ILLINOIS PRAIRIE PATH

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING ASPHALT BIKE PATH PAVEMENT, 2"-4" - BIKE PATH REMOVAL (X0327036)
- (C) EXISTING GRANULAR SUB-BASE - TO BE REMOVED (INCLUDED IN EARTH EX. - 20200100)
- (D) EXISTING TOPSOIL, 4"-12" - TO BE REMOVED (TO BE PAID AS TOPSOIL EXCAVATION AND PLACEMENT - 21101505)
- (E) EXISTING CHAIN LINK FENCE W/BARBS, 6' - TO BE REMOVED - X6640300)
- (F) EXISTING GUARDRAIL - TO BE REMOVED (63200310)

LEGEND, PROPOSED

- (1) STABILIZED BICYCLE PATH, 5" (XX006195)
 2" SURFACE COURSE, MIX "D", N50
 3" HMA BASE COURSE, IL-19.0, N50
- (2) SUBBASE GRANULAR MATERIAL, TYPE B 12" (31101810)
- (3) PIPE UNDERDRAINS, 4" MODIFIED (X6013600)
- (4) EMBANKMENT
- (5) 6" TOPSOIL PLACEMENT (TO BE PAID AS TOPSOIL EXC & PLAC - 21101505)
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- (7) SEEDING W/EROSION CONTROL BLANKET (25100630)
- (8) CHAIN LINK FENCE W/BARBS, 6' (X6640560)
- (9) SIDEWALK, SPECIAL, 6" (XX006429)
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- (13) PORTLAND CEMENT CONCRETE FLOOR (TO BE PAID AS STEEL CASING PIPE, SPECIAL, TUNNELED COMPLETE - XX007943)
- (14) STEEL PLATE BEAM GUARDRAIL TYPE A, 6' POST (63000001)
- (15) SEEDING W/HEAVY DUTY EROSION CONTROL BLANKET (25100635)

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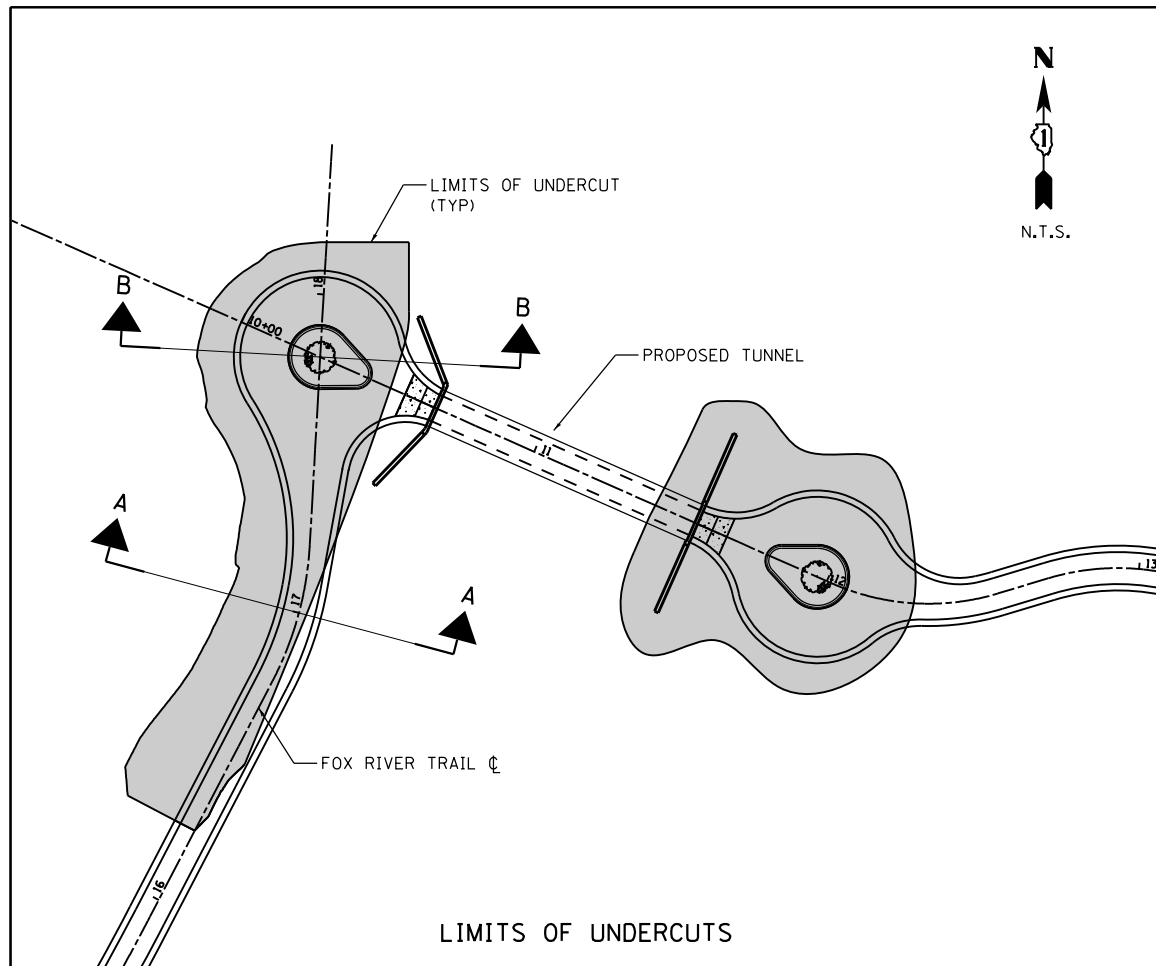
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PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
 FOX RIVER TRAIL

SCALE: SHEET NO. 6 OF 9 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	17
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

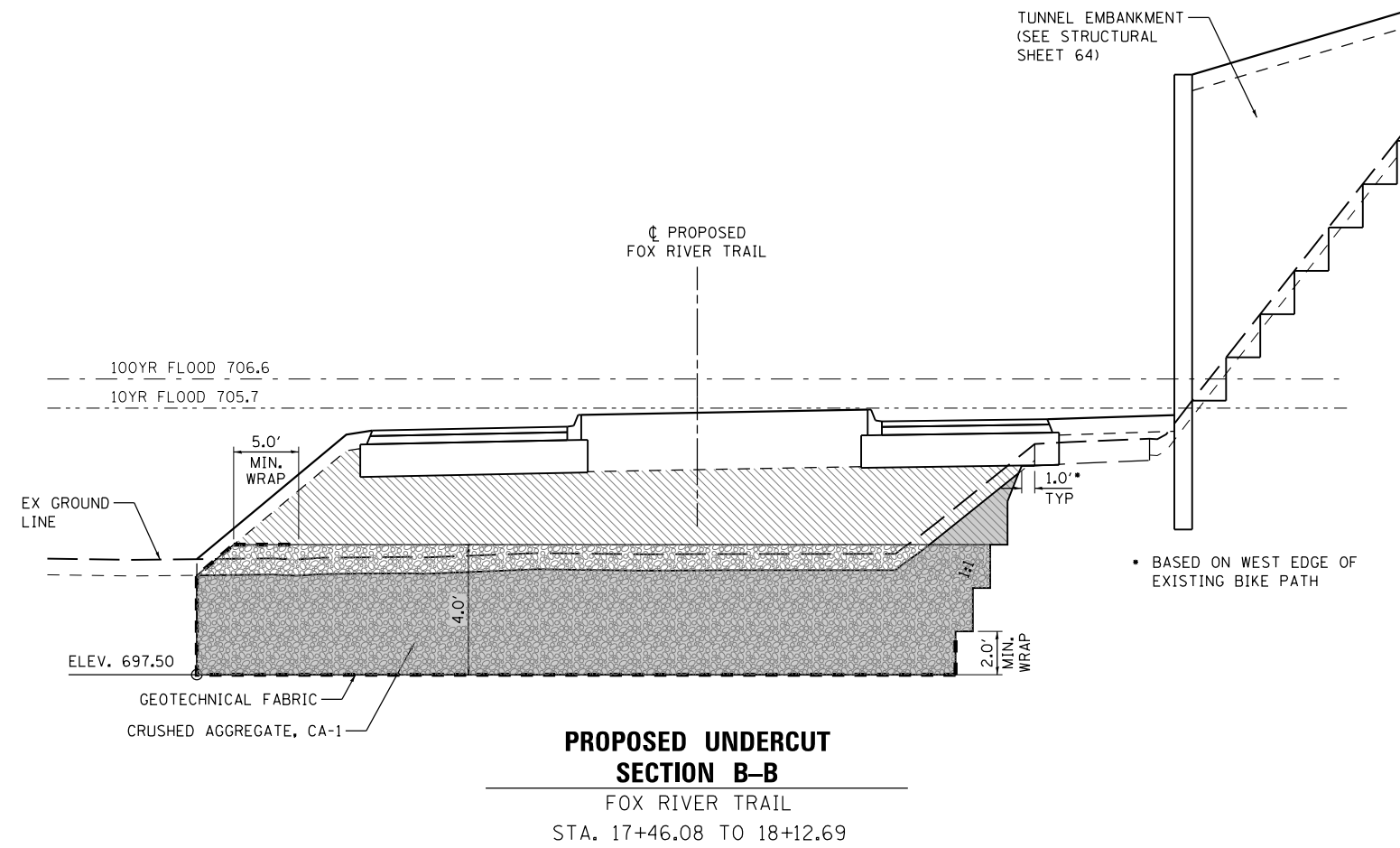
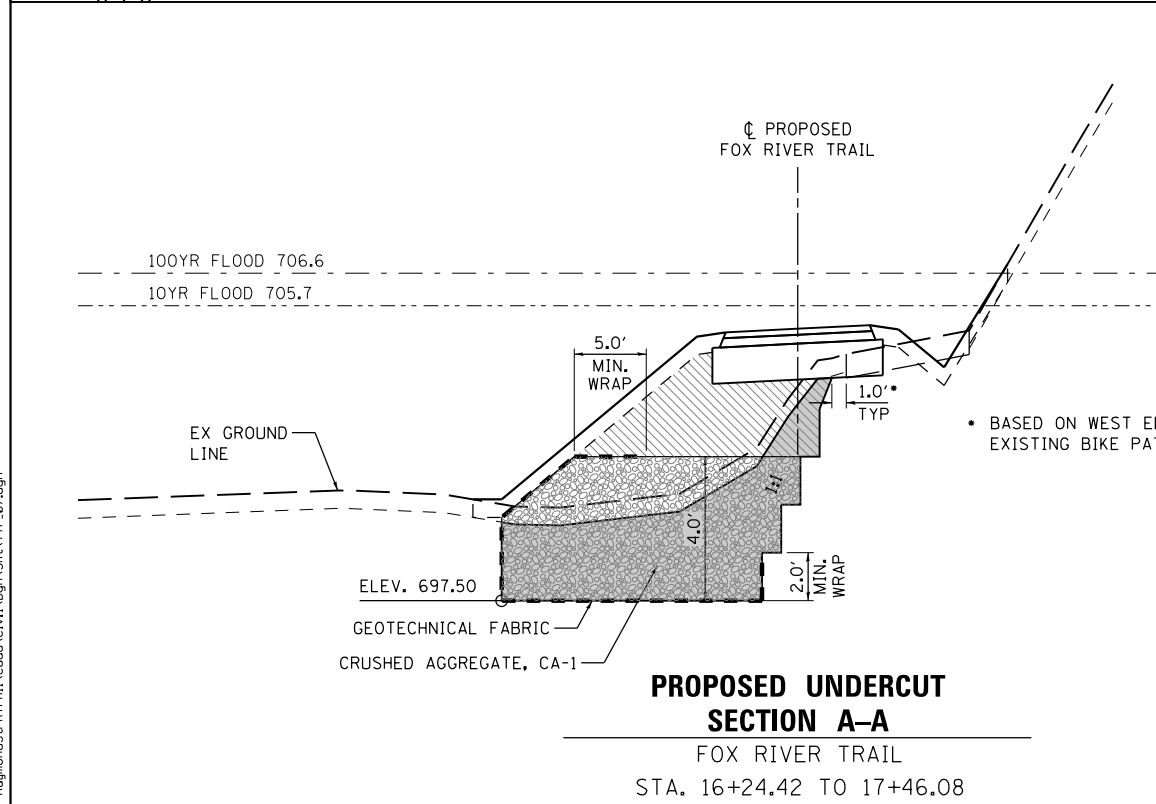


NOTES

1. SEE TYPICAL SECTION SHEETS 14 TO 17 FOR DIMENSIONS, SLOPES, AND MATERIALS OF THE PROPOSED PATHS.
2. UNDERCUTS SHALL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL."

LEGEND

- UNDERCUT AREA (REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL)
- CRUSHED AGGREGATE, CA-1
- EMBANKMENT
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION



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USER NAME = nparris
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PLOT DATE = 3/21/2019

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DRAWN - NDP
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DATE - 03/21/19

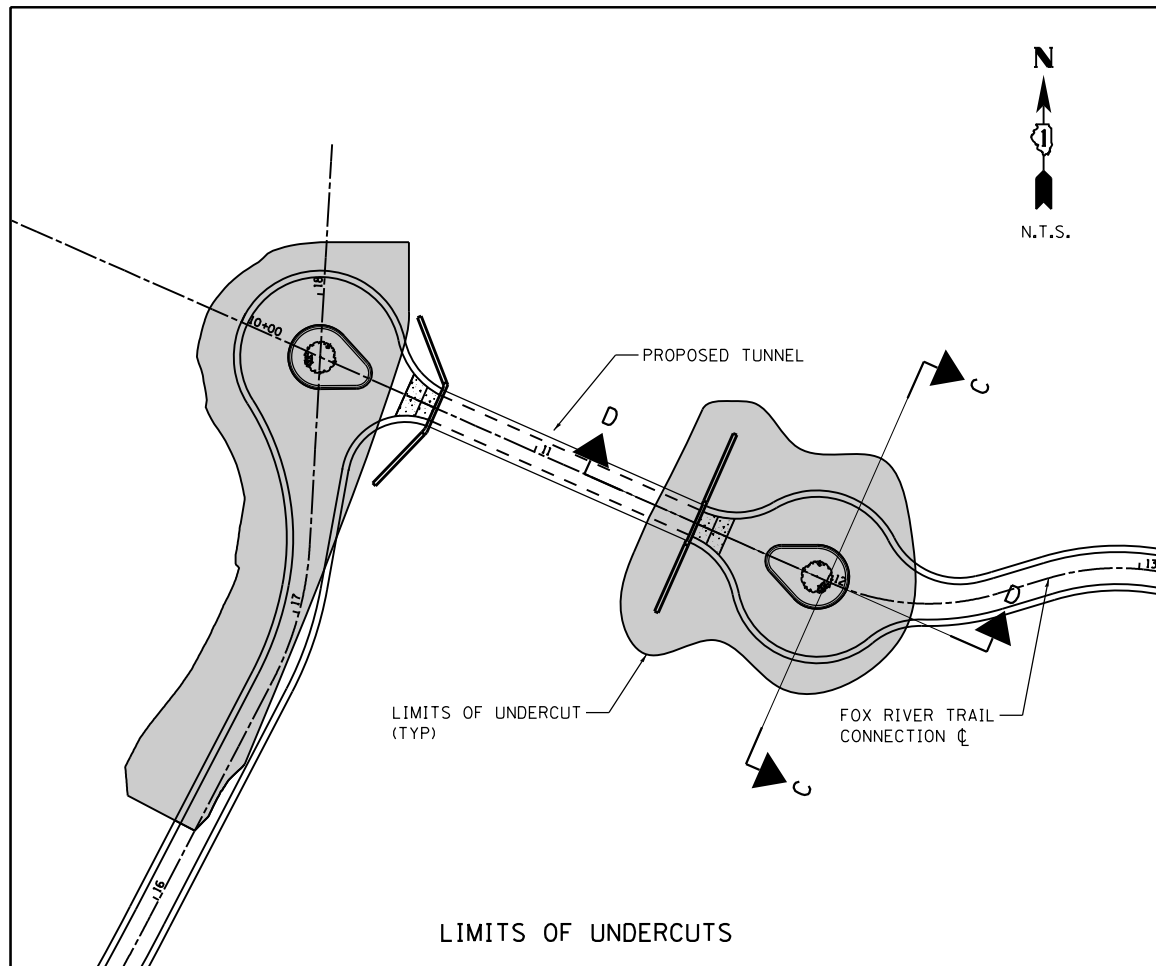
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
PROPOSED UNDERCUTS - WEST SIDE**

SCALE: SHEET NO. 7 OF 9 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	18
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			



NOTES

1. SEE TYPICAL SECTION SHEETS 14 TO 17 FOR DIMENSIONS, SLOPES, AND MATERIALS OF THE PROPOSED PATHS.
2. UNDERCUTS SHALL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL."

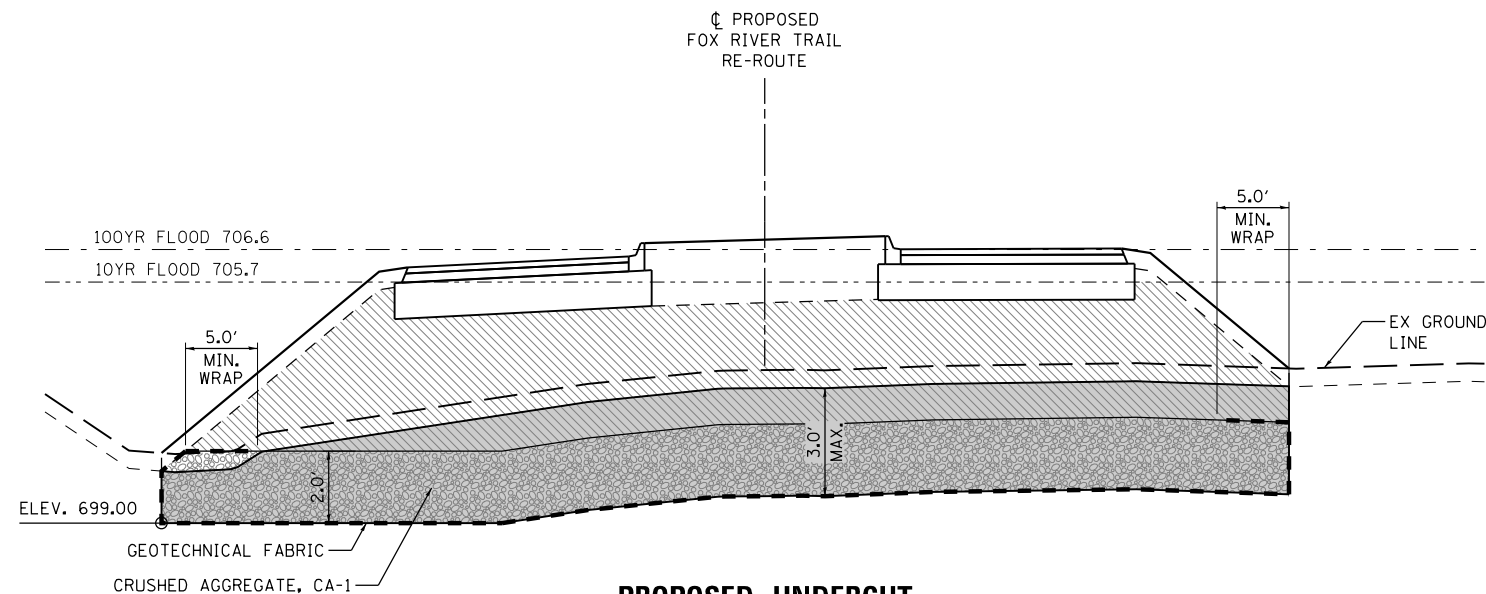
LEGEND

- UNDERCUT AREA (REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL)
- CRUSHED AGGREGATE, CA-1
- EMBANKMENT
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

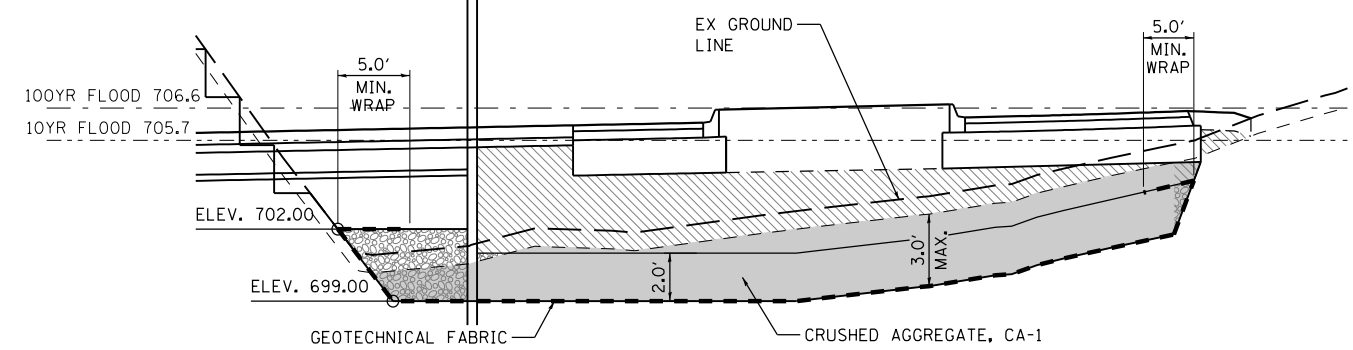
LIMITS OF UNDERCUTS

TUNNEL EMBANKMENT (SEE STRUCTURAL SHEET 64)

PROPOSED UNDERCUT SHALL BE EXCAVATED TO ELEVATION 699.00 OR TO A MAXIMUM DEPTH OF 3.0 FEET, WHICH EVER IS ENCOUNTERED FIRST.



PROPOSED UNDERCUT SECTION C-C
FOX RIVER TRAIL CONNECTION
STA. 11+40.00 TO 12+28.00



PROPOSED UNDERCUT SECTION D-D
FOX RIVER TRAIL CONNECTION

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USER NAME = nparris
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PLOT DATE = 3/21/2019

DESIGNED - SBP
DRAWN - NDP
CHECKED - SBP
DATE - 03/21/19

REVISED -
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REVISED -

**STATE OF ILLINOIS
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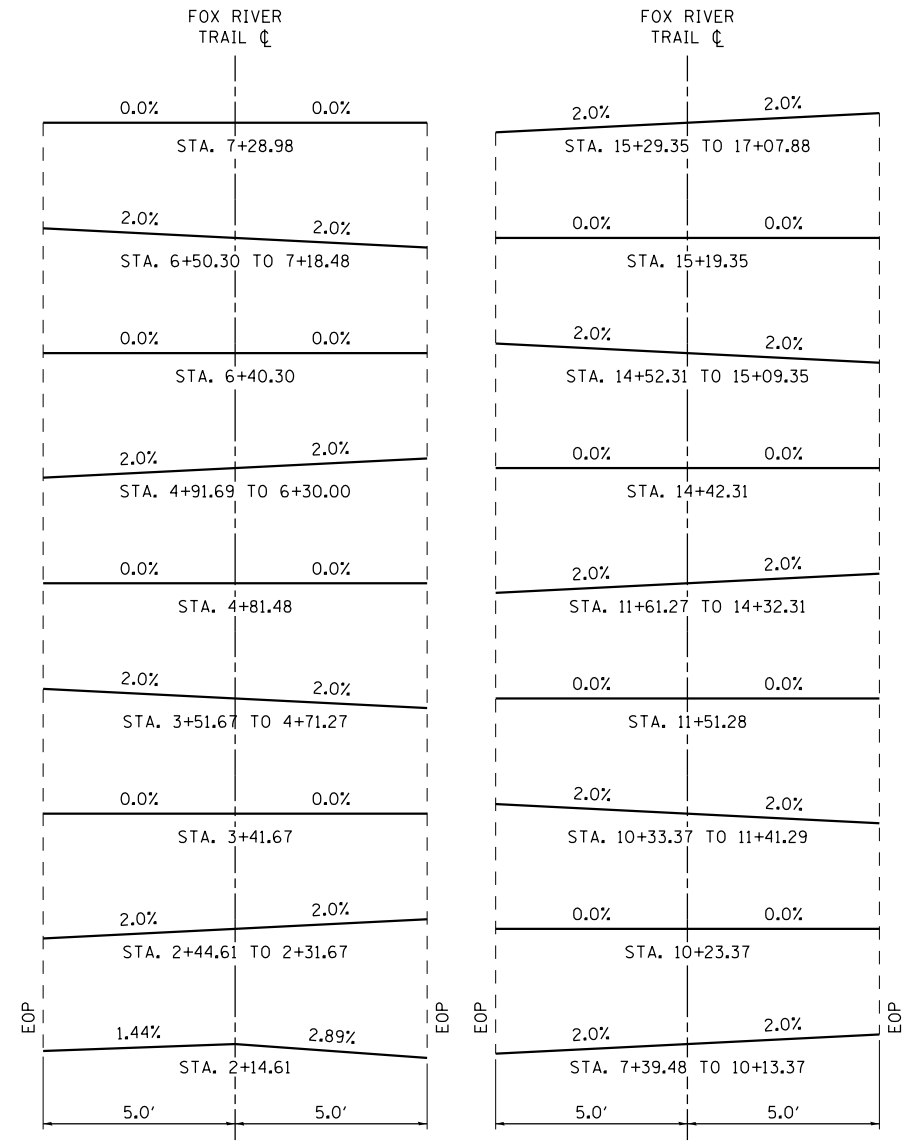
**TYPICAL SECTIONS
PROPOSED UNDERCUTS - EAST SIDE**

SCALE: SHEET NO. 8 OF 9 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	19
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

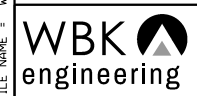
SUPERELEVATION TABLE (FOX RIVER TRAIL)

	STATION	LEFT EDGE OF PAVEMENT			CENTER PGL	RIGHT EDGE OF PAVEMENT		
		ELEVATION	CROSS SLOPE	WIDTH (FT)		ELEVATION	CROSS SLOPE	WIDTH (FT)
MATCH EXISTING	2+14.61	726.39	-1.44%	4.9	726.46	726.34	-2.89%	4.1
	2+44.61	727.83	-2.00%	5.0	727.93	728.03	2.00%	5.0
	2+50.00	728.10	-2.00%	5.0	728.20	728.30	2.00%	5.0
	3+00.00	730.31	-2.00%	5.0	730.41	730.31	-2.00%	5.0
	3+31.67	730.82	-2.00%	5.0	730.92	731.02	2.00%	5.0
CURVE PR_FRT_PATH-2	3+41.67	730.91	0.00%	5.0	730.91	730.91	0.00%	5.0
	3+50.00	730.92	1.67%	5.0	730.84	730.76	-1.67%	5.0
	3+51.67	730.91	2.00%	5.0	730.81	730.71	-2.00%	5.0
	4+00.00	729.38	2.00%	5.0	729.28	729.18	-2.00%	5.0
	4+50.00	727.28	2.00%	5.0	727.18	727.08	-2.00%	5.0
CURVE PR_FRT_PATH-3	4+71.27	726.40	2.00%	5.0	726.30	726.20	-2.00%	5.0
	4+81.48	725.91	0.00%	5.0	725.91	725.91	0.00%	5.0
	4+91.69	725.46	-2.00%	5.0	725.56	725.66	2.00%	5.0
	5+00.00	725.21	-2.00%	5.0	725.31	725.41	2.00%	5.0
	5+50.00	724.24	-2.00%	5.0	724.34	724.44	2.00%	5.0
CURVE PR_FRT_PATH-4	6+00.00	724.22	-2.00%	5.0	724.32	724.42	2.00%	5.0
	6+30.30	724.68	-2.00%	5.0	724.78	724.88	2.00%	5.0
	6+40.30	725.01	0.00%	5.0	725.01	725.01	0.00%	5.0
	6+50.00	725.37	1.94%	5.0	725.27	725.17	-1.94%	5.0
	6+50.30	725.37	2.00%	5.0	725.27	725.17	-2.00%	5.0
CURVE PR_FRT_PATH-5	7+00.00	727.21	2.00%	5.0	727.11	727.01	-2.00%	5.0
	7+18.48	727.96	2.00%	5.0	727.86	727.76	-2.00%	5.0
	7+28.98	728.19	0.00%	5.0	728.19	728.19	0.00%	5.0
	7+39.48	728.30	-2.00%	5.0	728.40	728.50	2.00%	5.0
	7+50.00	728.39	-2.00%	5.0	728.49	728.59	2.00%	5.0
CURVE PR_FRT_PATH-7	8+00.00	727.19	-2.00%	5.0	727.29	727.39	2.00%	5.0
	8+50.00	723.61	-2.00%	5.0	723.71	723.81	2.00%	5.0
	9+00.00	719.69	-2.00%	5.0	719.79	719.89	2.00%	5.0
	9+50.00	716.51	-2.00%	5.0	716.61	716.71	2.00%	5.0
	10+00.00	714.78	-2.00%	5.0	714.88	714.98	2.00%	5.0
CURVE PR_FRT_PATH-9	10+13.37	714.56	-2.00%	5.0	714.66	714.76	2.00%	5.0
	10+23.37	714.57	0.00%	5.0	714.57	714.57	0.00%	5.0
	10+33.37	714.63	2.00%	5.0	714.53	714.43	-2.00%	5.0
	10+50.00	714.70	2.00%	5.0	714.60	714.50	-2.00%	5.0
	11+00.00	715.89	2.00%	5.0	715.79	715.69	-2.00%	5.0
CURVE PR_FRT_PATH-12	11+41.29	717.11	2.00%	5.0	717.01	716.91	-2.00%	5.0
	11+50.00	717.04	0.26%	5.0	717.03	717.02	-0.26%	5.0
	11+51.28	717.02	0.00%	5.0	717.02	717.02	0.00%	5.0
	11+61.27	716.82	-2.00%	5.0	716.92	717.02	2.00%	5.0
	12+00.00	715.37	-2.00%	5.0	715.47	715.57	2.00%	5.0
CURVE PR_FRT_PATH-13	12+50.00	712.86	-2.00%	5.0	712.96	713.06	2.00%	5.0
	13+00.00	710.36	-2.00%	5.0	710.46	710.56	2.00%	5.0
	13+50.00	708.08	-2.00%	5.0	708.18	708.28	2.00%	5.0
	14+00.00	707.08	-2.00%	5.0	707.18	707.28	2.00%	5.0
	14+32.31	707.19	-2.00%	5.0	707.29	707.39	2.00%	5.0
BEGIN ROUND-A-BOU	14+42.31	707.45	0.00%	5.0	707.45	707.45	0.00%	5.0
	14+50.00	707.69	1.54%	5.0	707.61	707.53	-1.54%	5.0
	14+52.31	707.76	2.00%	5.0	707.66	707.56	-2.00%	5.0
	15+00.00	709.56	2.00%	5.0	709.46	709.36	-2.00%	5.0
	15+09.35	710.03	2.00%	5.0	709.93	709.83	-2.00%	5.0
CURVE PR_FRT_PATH-13	15+19.35	710.38	0.00%	5.0	710.38	710.38	0.00%	5.0
	15+29.35	710.60	-2.00%	5.0	710.70	710.80	2.00%	5.0
	15+50.00	710.87	-2.00%	5.0	710.97	711.07	2.00%	5.0
	16+00.00	709.37	-2.00%	5.0	709.47	709.57	2.00%	5.0
	16+50.00	706.87	-2.00%	5.0	706.97	707.07	2.00%	5.0
CURVE PR_FRT_PATH-13	17+00.00	704.96	-2.00%	5.0	705.06	705.16	2.00%	5.0
	17+07.88	704.82	-2.00%	5.0	704.92	705.02	2.00%	5.0



AXIS OF ROTATION DIAGRAM

FILE NAME = W:\Projects\2015\150274_RaymondSt\FRTPh1\cadd\Cvt1\0gpr\Sha1\Typ_09.dgn



WBK ENGINEERING, LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

USER NAME = nparris
PLOT SCALE = 1:20
PLOT DATE = 3/21/2019

DESIGNED - SBP
DRAWN - NDP
CHECKED - SBP
DATE - 03/21/19

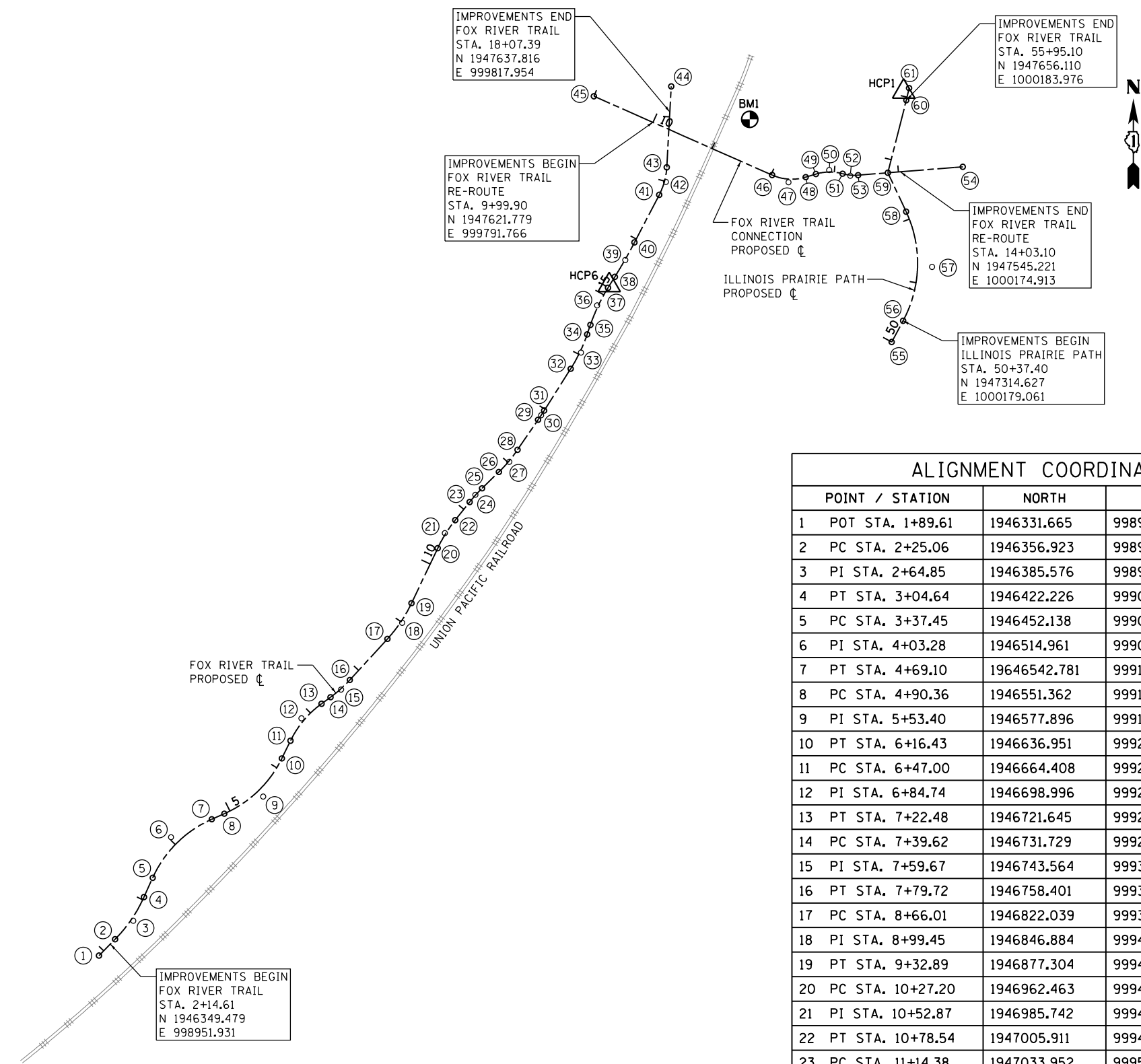
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REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERELEVATION TABLE
FOX RIVER TRAIL**

SCALE: SHEET NO. 9 OF 9 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	20
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			



VERTICAL REFERENCE MARK

NATIONAL GEODETIC SURVEY BENCH MARK: AJ3032 (IL KANE 36 41 8)
 STATION IS LOCATED IN THE SOUTHEAST CORNER OF INTERSECTION
 OF IL RTE 25 AND WEST BARTLETT ROAD, APPROXIMATELY 160 FEET
 EAST OF CENTERLINE OF IL RTE 25, 47 FEET SOUTH OF CENTERLINE
 OF WEST BARTLETT ROAD, 24.5 FEET SOUTH OF BACK OF CURB, 10
 FEET NORTHWEST OF FIRE HYDRANT. STATION IS LOCATED 2 FEET
 NORTH OF ORANGE FIBERGLASS WITNESS POST, ACCESS TO DATUM
 POINT THROUGH 6 INCH LOGO CAP. DATUM IS 0.4 FEET BELOW CAP.
 ELEV. 760.37

DATUM: NAVD 88

LEGEND

- ⊕ = BENCH MARK (BM) LOCATION
- △ = HORIZONTAL CONTROL POINT (HCP) LOCATION

ALIGNMENT COORDINATE TABLE			
POINT / STATION	NORTH	EAST	ALIGNMENT
1 POT STA. 1+89.61	1946331.665	998934.391	PR_FRT_PATH
2 PC STA. 2+25.06	1946356.923	998959.260	PR_FRT_PATH
3 PI STA. 2+64.85	1946385.576	998987.471	PR_FRT_PATH
4 PT STA. 3+04.64	1946422.226	999004.012	PR_FRT_PATH
5 PC STA. 3+37.45	1946452.138	999017.511	PR_FRT_PATH
6 PI STA. 4+03.28	1946514.961	999045.864	PR_FRT_PATH
7 PT STA. 4+69.10	1946542.781	999108.926	PR_FRT_PATH
8 PC STA. 4+90.36	1946551.362	999128.378	PR_FRT_PATH
9 PI STA. 5+53.40	1946577.896	999188.527	PR_FRT_PATH
10 PT STA. 6+16.43	1946636.951	999217.416	PR_FRT_PATH
11 PC STA. 6+47.00	1946664.408	999230.848	PR_FRT_PATH
12 PI STA. 6+84.74	1946698.996	999247.768	PR_FRT_PATH
13 PT STA. 7+22.48	1946721.645	999278.906	PR_FRT_PATH
14 PC STA. 7+39.62	1946731.729	999292.771	PR_FRT_PATH
15 PI STA. 7+59.67	1946743.564	999309.041	PR_FRT_PATH
16 PT STA. 7+79.72	1946758.401	99932.628	PR_FRT_PATH
17 PC STA. 8+66.01	1946822.039	999380.901	PR_FRT_PATH
18 PI STA. 8+99.45	1946846.884	999403.651	PR_FRT_PATH
19 PT STA. 9+32.89	1946877.304	999418.128	PR_FRT_PATH
20 PC STA. 10+27.20	1946962.463	999458.655	PR_FRT_PATH
21 PI STA. 10+52.87	1946985.742	999469.733	PR_FRT_PATH
22 PT STA. 10+78.54	1947005.911	999485.789	PR_FRT_PATH
23 PC STA. 11+14.38	1947033.952	999508.112	PR_FRT_PATH
24 PI STA. 11+28.68	1947045.156	999517.031	PR_FRT_PATH
25 PT STA. 11+42.98	1947055.139	999527.298	PR_FRT_PATH
26 PC STA. 11+79.28	1947080.443	999553.324	PR_FRT_PATH
27 PI STA. 12+01.73	1947096.147	999569.477	PR_FRT_PATH
28 PT STA. 12+24.19	1947114.743	999582.195	PR_FRT_PATH
29 PC STA. 12+80.57	1947161.284	999614.026	PR_FRT_PATH
30 PI STA. 12+89.09	1947168.315	999618.836	PR_FRT_PATH
31 PT STA. 12+97.61	1947175.506	999623.403	PR_FRT_PATH

ALIGNMENT COORDINATE TABLE			
POINT / STATION	NORTH	EAST	ALIGNMENT
32 PC STA. 13+74.23	1947240.184	999664.477	PR_FRT_PATH
33 PI STA. 14+03.81	1947265.278	999680.413	PR_FRT_PATH
34 PT STA. 12+01.63	1947540.164	999976.297	PR_FRT_PATH
35 PC STA. 14+49.01	1947308.175	999695.063	PR_FRT_PATH
36 PI STA. 14+80.82	1947338.417	999705.391	PR_FRT_PATH
37 PT STA. 15+12.64	1947365.553	999722.268	PR_FRT_PATH
38 PC STA. 15+32.61	1947382.510	999732.813	PR_FRT_PATH
39 PI STA. 15+63.35	1947408.628	999749.057	PR_FRT_PATH
40 PT STA. 15+94.10	1947435.917	999763.247	PR_FRT_PATH
41 PC STA. 16+77.05	1947509.516	999801.519	PR_FRT_PATH
42 PI STA. 16+99.32	1947529.571	999811.947	PR_FRT_PATH
43 PT STA. 17+21.58	1947552.140	999813.200	PR_FRT_PATH
44 POT STA. 18+47.06	1947677.424	999820.153	PR_FRT_PATH
45 POT STA. 9+00.00	1947662.171	999700.439	PR_FRT_TUNNEL
46 PC STA. 12+01.63	1947540.164	999976.297	PR_FRT_TUNNEL
47 PI STA. 12+28.22	1947528.936	1000001.683	PR_FRT_TUNNEL
48 PT STA. 12+54.81	1947536.941	1000028.262	PR_FRT_TUNNEL
49 PC STA. 12+71.33	1947541.707	1000044.088	PR_FRT_TUNNEL
50 PI STA. 12+92.30	1947547.915	1000064.699	PR_FRT_TUNNEL
51 PRC STA. 13+13.26	1947542.247	1000085.464	PR_FRT_TUNNEL
52 PI STA. 13+25.37	1947539.026	1000097.266	PR_FRT_TUNNEL
53 PT STA. 13+37.48	1947539.999	1000109.462	PR_FRT_TUNNEL
54 POT STA. 15+00.00	1947552.924	1000271.466	PR_FRT_TUNNEL
55 POT STA. 50+00.00	1947281.690	1000161.344	ILP_PATH_REV
56 PC STA. 50+37.40	1947314.628	1000179.061	ILP_PATH_REV
57 PI STA. 51+25.03	1947397.926	1000223.867	ILP_PATH_REV
58 PT STA. 52+12.67	1947483.551	1000183.686	ILP_PATH_REV
59 PI STA. 52+79.07	1947543.670	1000155.475	ILP_PATH_REV
60 PI STA. 53+95.07	1947656.107	1000183.976	ILP_PATH_REV
61 POT STA. 54+14.23	1947674.776	1000188.302	ILP_PATH_REV

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WBK engineering
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USER NAME = nparris	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:200	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

SCALE: 1"=100' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	21
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

HORIZONTAL CURVE DATA

FOX RIVER TRAIL

PROP. CURVE PR_FRT_PATH-1 PI STA. = 2+65.27 Δ = 20° 15' 54" (LT) D = 25° 27' 53" R = 225.00' T = 40.21' L = 79.58' E = 3.56' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 2+25.06 P.T. STA = 3+04.64	PROP. CURVE PR_FRT_PATH-2 PI STA. = 4+06.38 Δ = 41° 54' 19" (RT) D = 31° 49' 52" R = 180.00' T = 68.92' L = 131.65' E = 12.75' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 3+37.45 P.T. STA = 4+69.10	PROP. CURVE PR_FRT_PATH-3 PI STA. = 5+56.11 Δ = 40° 07' 40" (LT) D = 31° 49' 52" R = 180.00' T = 65.74' L = 126.07' E = 11.63' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 4+90.36 P.T. STA = 6+16.43	PROP. CURVE PR_FRT_PATH-4 PI STA. = 6+85.50 Δ = 27° 54' 04" (RT) D = 36° 57' 54" R = 155.00' T = 38.50' L = 75.48' E = 4.71' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 6+47.00 P.T. STA = 7+22.48
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PROP. CURVE PR_FRT_PATH-5 PI STA. = 7+59.74 Δ = 11° 29' 19" (LT) D = 28° 38' 52" R = 200.00' T = 20.12' L = 40.10' E = 1.01' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 7+39.62 P.T. STA = 7+79.72	PROP. CURVE PR_FRT_PATH-6 PI STA. = 8+99.70 Δ = 17° 01' 51" (LT) D = 25° 27' 53" R = 225.00' T = 33.69' L = 66.88' E = 2.51' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 8+66.01 P.T. STA = 9+32.89	PROP. CURVE PR_FRT_PATH-7 PI STA. = 10+52.98 Δ = 13° 04' 22" (RT) D = 25° 27' 53" R = 225.00' T = 25.78' L = 51.34' E = 1.47' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 10+27.20 P.T. STA = 10+78.54	PROP. CURVE PR_FRT_PATH-8 PI STA. = 11+28.70 Δ = 7° 17' 01" (RT) D = 25° 27' 53" R = 225.00' T = 14.32' L = 28.60' E = 0.46' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 11+14.38 P.T. STA = 11+42.98
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PROP. CURVE PR_FRT_PATH-9 PI STA. = 12+01.81 Δ = 11° 26' 08" (LT) D = 25° 27' 53" R = 225.00' T = 22.53' L = 44.91' E = 1.13' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 11+79.28 P.T. STA = 12+24.19	PROP. CURVE PR_FRT_PATH-10 PI STA. = 12+89.09 Δ = 1° 57' 08" (LT) D = 11° 27' 33" R = 500.00' T = 8.52' L = 17.04' E = 0.07' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 12+80.57 P.T. STA = 12+97.61	PROP. CURVE PR_FRT_PATH-11 PI STA. = 14+03.95 Δ = 13° 33' 43" (LT) D = 22° 55' 06" R = 250.00' T = 29.73' L = 59.17' E = 1.76' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 13+74.23 P.T. STA = 14+33.40	PROP. CURVE PR_FRT_PATH-12 PI STA. = 14+80.96 Δ = 13° 01' 19" (RT) D = 20° 27' 46" R = 280.00' T = 31.96' L = 63.64' E = 1.82' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 14+49.01 P.T. STA = 15+12.64
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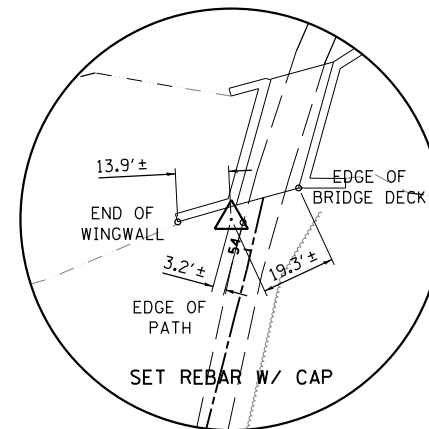
PROP. CURVE PR_FRT_PATH-13 PI STA. = 15+63.37 Δ = 4° 24' 13" (LT) D = 7° 09' 43" R = 800.00' T = 30.76' L = 61.48' E = 0.59' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 15+32.61 P.T. STA = 15+94.10	PROP. CURVE PR_FRT_PATH-14 PI STA. = 16+99.65 Δ = 24° 17' 53" (LT) D = 54° 34' 03" R = 105.00' T = 22.60' L = 44.53' E = 2.41' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 16+77.05 P.T. STA = 17+21.58
--	--

FOX RIVER TRAIL CONNECTION

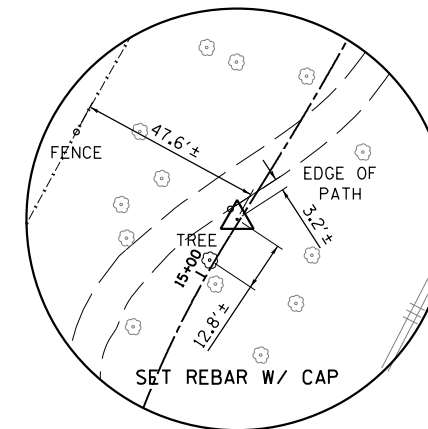
PROP. CURVE PR_FRT_TUNNEL-2 PI STA. = 12+92.86 Δ = 32° 01' 36" (RT) D = 76° 23' 40" R = 75.00' T = 21.52' L = 41.92' E = 3.03' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 12+71.33 P.T. STA = 13+13.26	PROP. CURVE PR_FRT_TUNNEL-1 PI STA. = 12+29.39 Δ = 40° 37' 13" (LT) D = 76° 23' 40" R = 75.00' T = 27.76' L = 53.17' E = 4.97' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 12+01.63 P.T. STA = 12+54.81	PROP. CURVE PR_FRT_TUNNEL-3 PI STA. = 13+25.49 Δ = 19° 49' 38" (LT) D = 81° 51' 04" R = 70.00' T = 12.23' L = 24.22' E = 1.06' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 13+13.26 P.T. STA = 13+37.48
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ILLINOIS PRAIRIE PATH

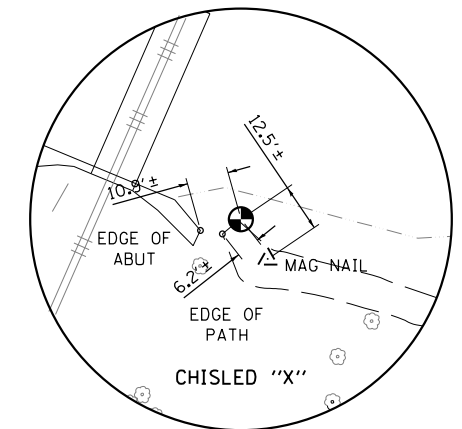
PROP. CURVE ILP_PATH_REV-1 PI STA. = 51+31.98 Δ = 53° 24' 52" (LT) D = 30° 28' 35" R = 188.00' T = 94.58' L = 175.26' E = 22.45' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA = 50+37.40 P.T. STA = 52+12.67
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HORIZONTAL CONTROL POINT NO. 1



HORIZONTAL CONTROL POINT NO. 6



BENCH MARK POINT NO. 1

HORIZONTAL CONTROL POINTS (NAD 83)

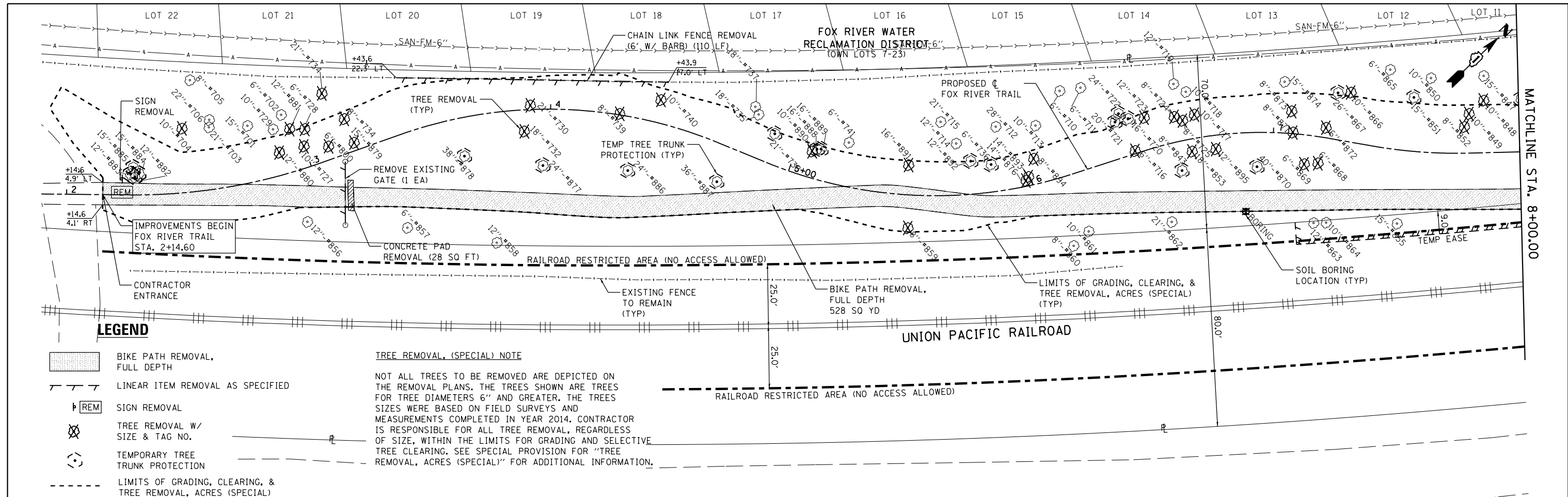
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1947669.130	1000179.928	707.95	ILP_PATH_REV	54+06.84	6.88' LT	SET REBAR W/ CAP
6	1947369.716	999724.081	712.72	PR_FRT_PATH	15+17.14	0.66' LT	SET REBAR W/ CAP

ONLY PERMANENT POINTS LISTED (SET REBAR), ADDITIONAL SURVEY POINTS (MAG NAILS) AVAILIABLE UPON REQUEST.

BENCH MARKS (NAVD 88)

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
BM1	1947626.398	999941.572	844.60	PR_FRT_TUNNEL	11+35.00	64.82' LT	CHISLED "X" ON CONCRETE LIGHT POLE FOUNDATION

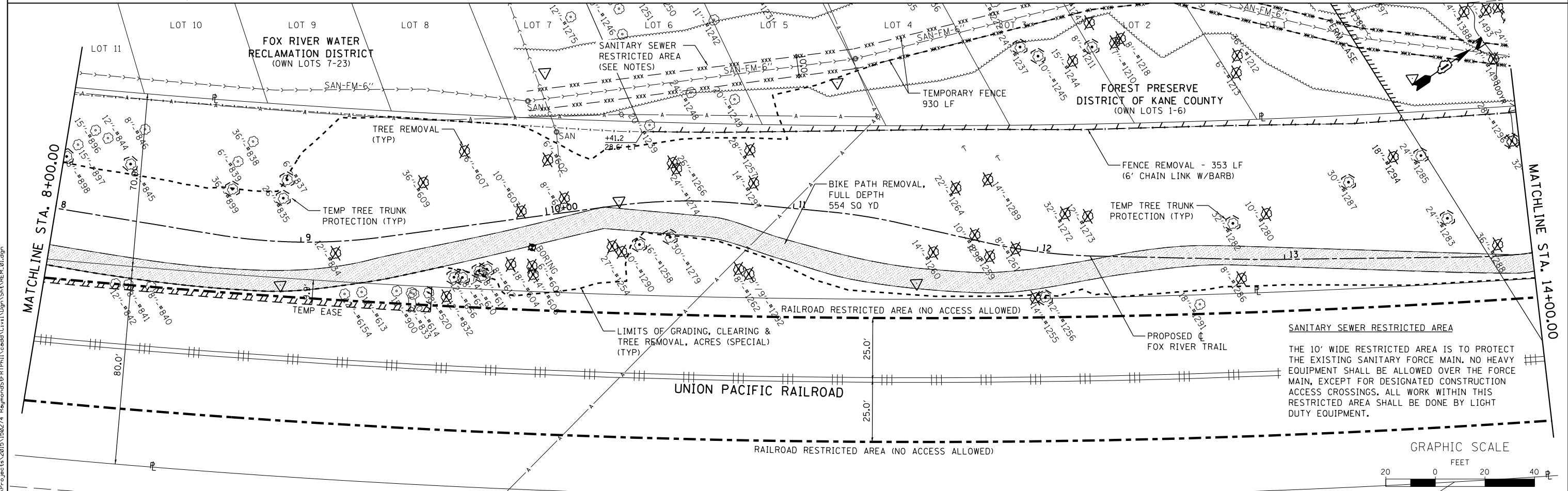
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LEGEND

- BIKE PATH REMOVAL, FULL DEPTH
- LINEAR ITEM REMOVAL AS SPECIFIED
- SIGN REMOVAL
- TREE REMOVAL W/ SIZE & TAG NO.
- TEMPORARY TREE TRUNK PROTECTION
- LIMITS OF GRADING, CLEARING, & TREE REMOVAL, ACRES (SPECIAL)

TREE REMOVAL, (SPECIAL) NOTE
 NOT ALL TREES TO BE REMOVED ARE DEPICTED ON THE REMOVAL PLANS. THE TREES SHOWN ARE TREES FOR TREE DIAMETERS 6" AND GREATER. THE TREE SIZES WERE BASED ON FIELD SURVEYS AND MEASUREMENTS COMPLETED IN YEAR 2014. CONTRACTOR IS RESPONSIBLE FOR ALL TREE REMOVAL, REGARDLESS OF SIZE, WITHIN THE LIMITS FOR GRADING AND SELECTIVE TREE CLEARING. SEE SPECIAL PROVISION FOR "TREE REMOVAL, ACRES (SPECIAL)" FOR ADDITIONAL INFORMATION.



SANITARY SEWER RESTRICTED AREA
 THE 10' WIDE RESTRICTED AREA IS TO PROTECT THE EXISTING SANITARY FORCE MAIN. NO HEAVY EQUIPMENT SHALL BE ALLOWED OVER THE FORCE MAIN, EXCEPT FOR DESIGNATED CONSTRUCTION ACCESS CROSSINGS. ALL WORK WITHIN THIS RESTRICTED AREA SHALL BE DONE BY LIGHT DUTY EQUIPMENT.



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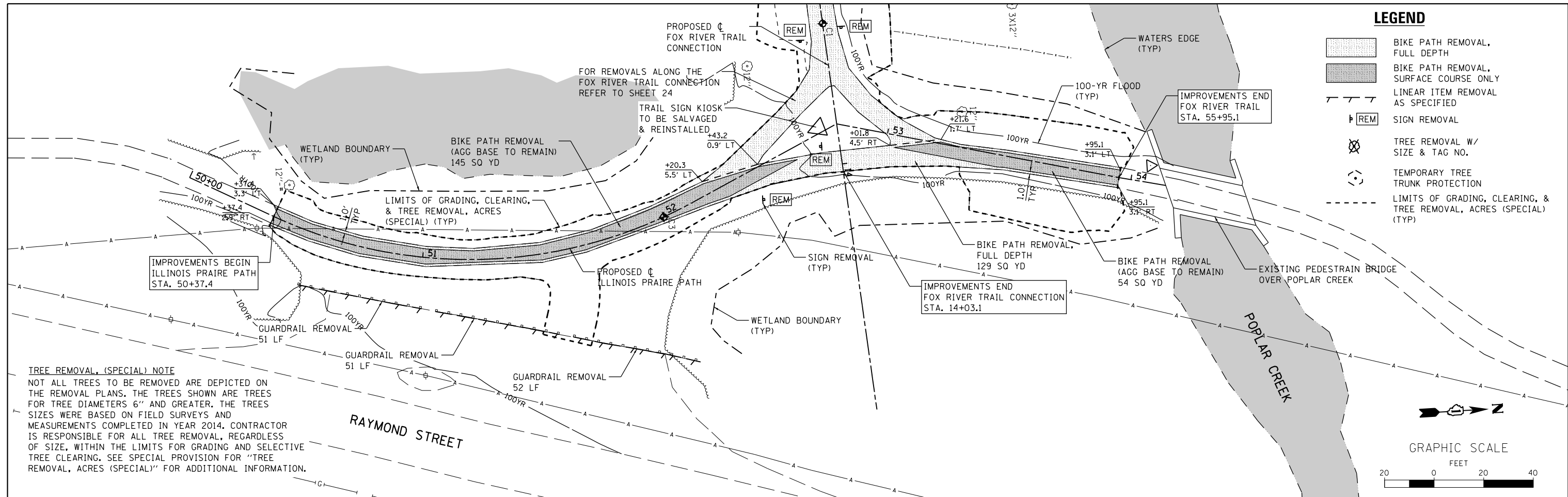
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PLOT SCALE = 1"=40'	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

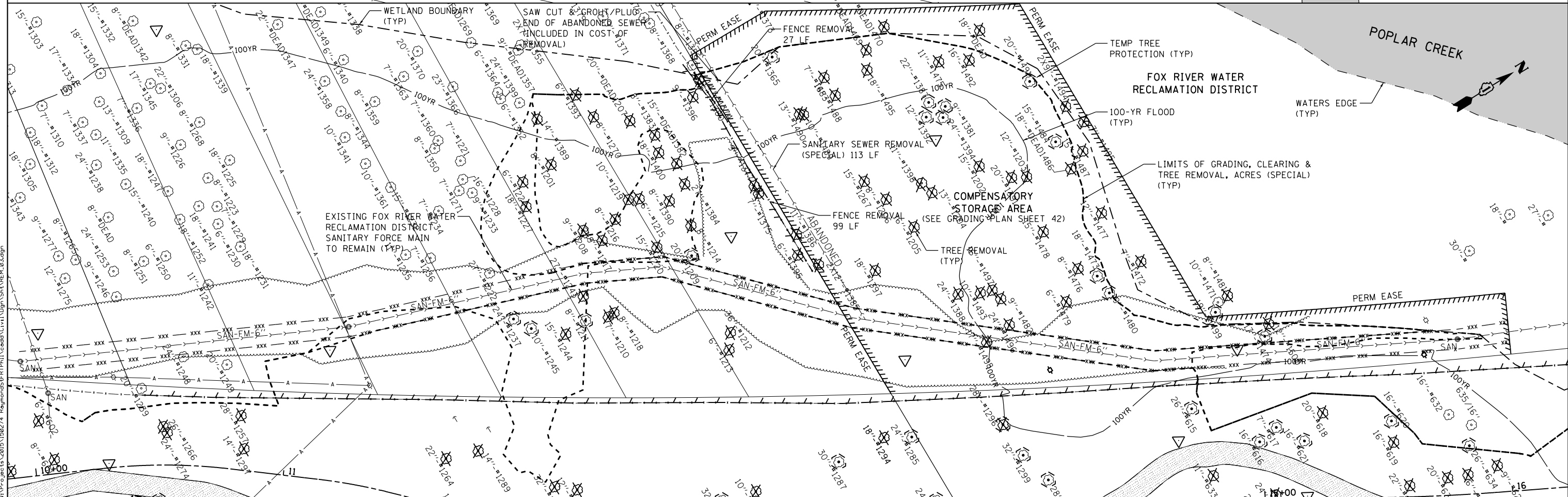
**REMOVAL PLAN
 FOX RIVER TRAIL**
 SCALE: 1"=20' SHEET NO. 1 OF 3 SHEETS STA. 2+14.60 TO STA. 14+00.00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	23
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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TREE REMOVAL, (SPECIAL) NOTE
 NOT ALL TREES TO BE REMOVED ARE DEPICTED ON THE REMOVAL PLANS. THE TREES SHOWN ARE TREES FOR TREE DIAMETERS 6" AND GREATER. THE TREE SIZES WERE BASED ON FIELD SURVEYS AND MEASUREMENTS COMPLETED IN YEAR 2014. CONTRACTOR IS RESPONSIBLE FOR ALL TREE REMOVAL, REGARDLESS OF SIZE, WITHIN THE LIMITS FOR GRADING AND SELECTIVE TREE CLEARING. SEE SPECIAL PROVISION FOR "TREE REMOVAL, ACRES (SPECIAL)" FOR ADDITIONAL INFORMATION.



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USER NAME = nparris	DESIGNED - SBP	REVISED -
PLOT SCALE = 1"=40'	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

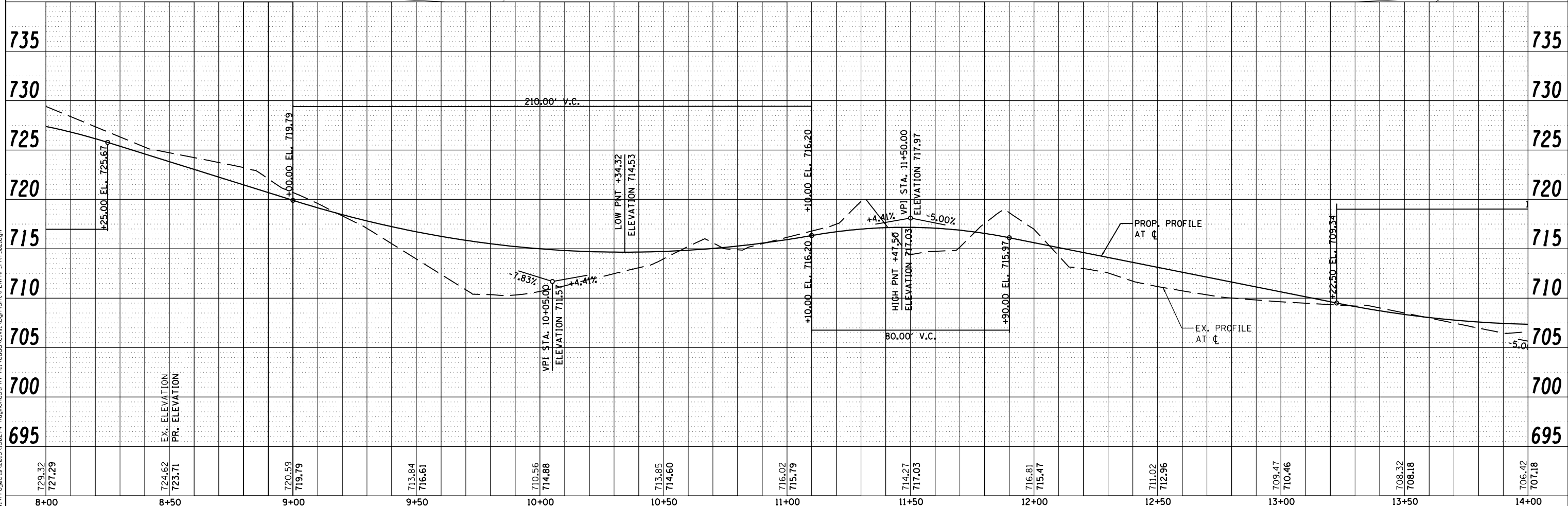
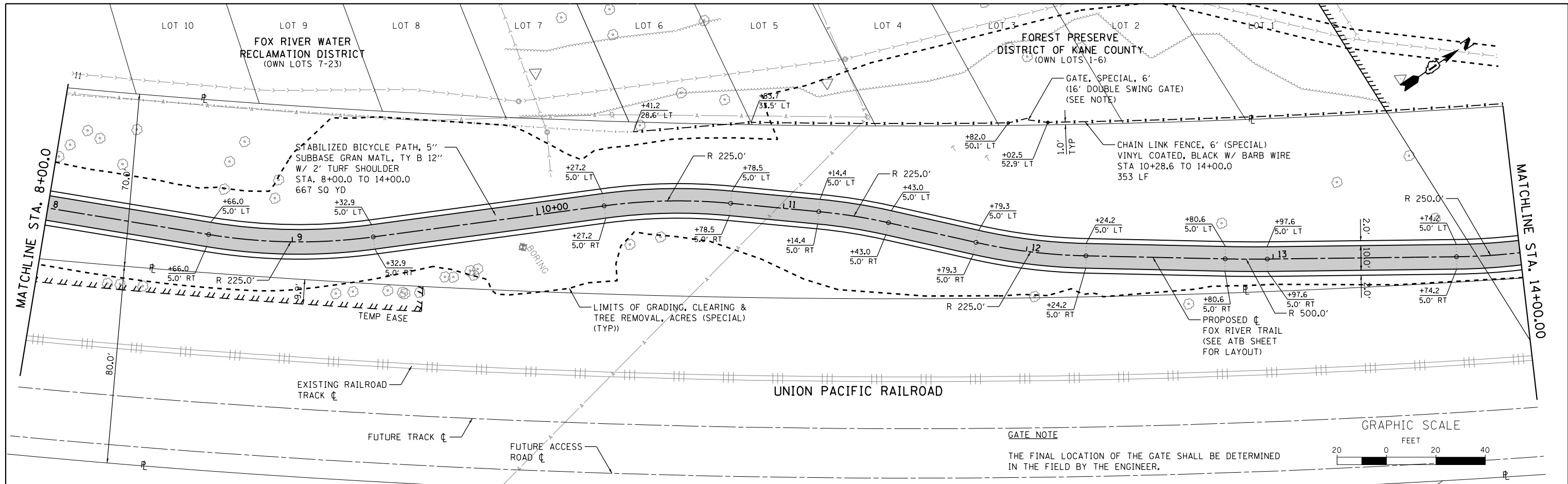
**REMOVAL PLAN
 ILLINOIS PRAIRIE PATH & COMPENSATORY STORAGE AREA**

SCALE: 1"=20' SHEET NO. 3 OF 3 SHEETS STA. 2+14.60 TO STA. 14+00.00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	25
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

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



STATION	EX. ELEVATION	PR. ELEVATION
8+00	729.32	727.29
8+50	724.62	723.71
9+00	720.59	719.79
9+50	713.84	716.61
10+00	710.56	714.88
10+50	713.85	714.60
11+00	716.02	715.79
11+50	714.27	717.03
12+00	716.81	715.47
12+50	711.02	712.96
13+00	709.47	710.46
13+50	708.32	708.18
14+00	706.42	707.18

USER NAME = nparis	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:40	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN & PROFILE
FOX RIVER TRAIL**

SCALE: 1"=20' SHEET NO. 2 OF 5 SHEETS STA. 8+00.00 TO STA. 14+00.00

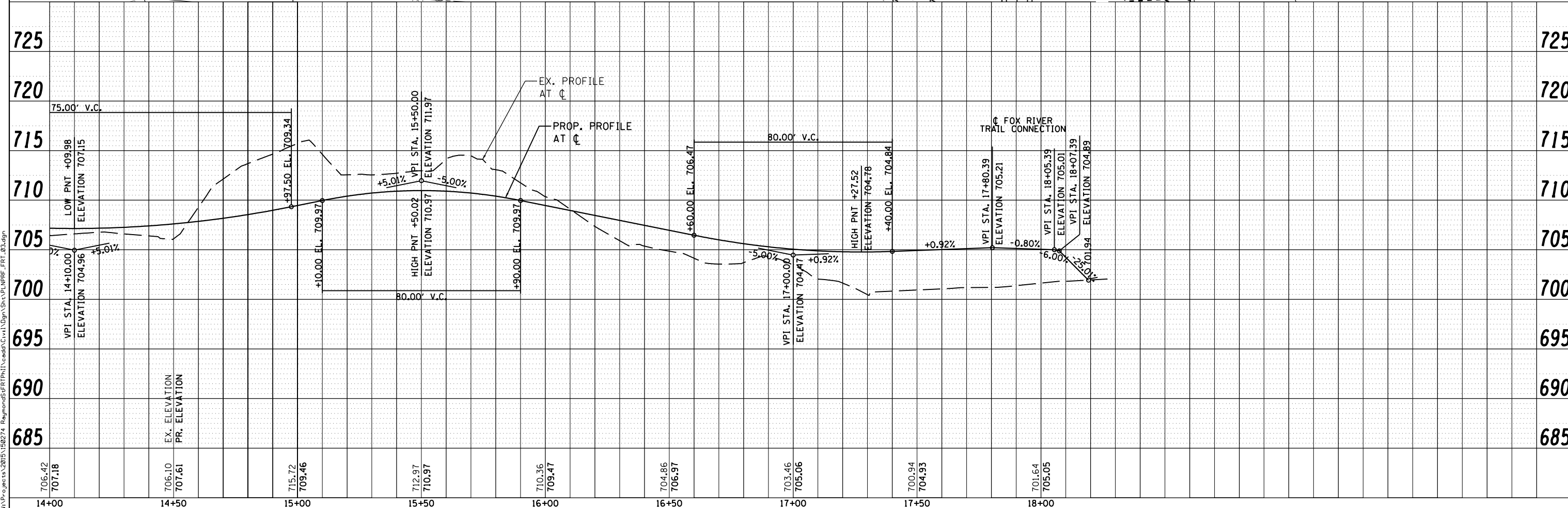
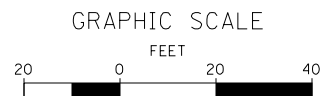
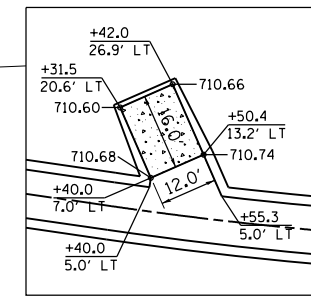
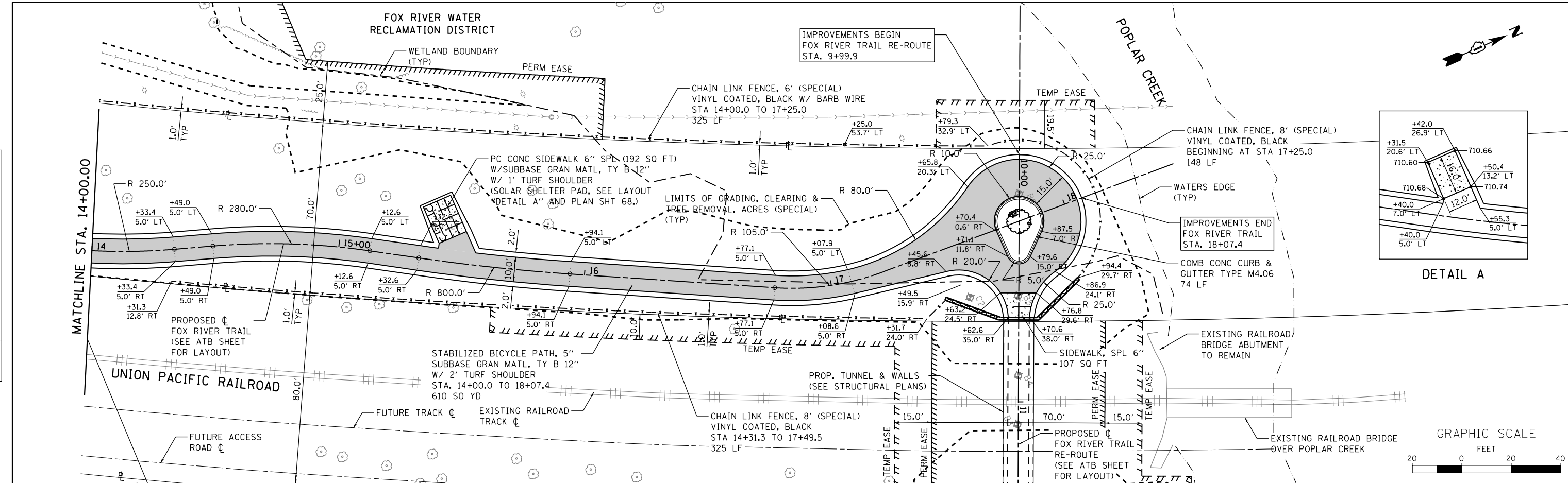
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	27
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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FILE NAME = W:\Projects\150274_Regenerus\FRTR\150274_Regenerus\FRTR\150274_Regenerus\FRTR\150274_Regenerus\FRTR.dgn

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	NO.		
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PROFILE	SURVEYED	BY	DATE
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	GRADES CHECKED		
	NO.		
	STRUCTURE		
	NOTATRS		
	CHKD		



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USER NAME = nparis	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:40	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN & PROFILE
 FOX RIVER TRAIL**

SCALE: 1"=20' SHEET NO. 3 OF 5 SHEETS STA. 14+00.00 TO STA. 18+18.25

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	28
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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NOTES

1. SEE STRUCTURAL PLANS FOR CHAIN LINK FENCE TO BE CONSTRUCTED ALONG TUNNEL WALLS.

EXISTING RAILROAD BRIDGE OVER POPLAR CREEK
EXISTING RAILROAD BRIDGE ABUTMENT TO REMAIN

POPLAR CREEK

WATERS EDGE (TYP)

WETLAND BOUNDARY (TYP)

IMPROVEMENTS END FOX RIVER TRAIL CONNECTION STA. 14+03.1

IMPROVEMENTS BEGIN FOX RIVER TRAIL CONNECTION STA. 9+99.9

STABILIZED BICYCLE PATH, 5' SUBBASE GRAN MATL, TY B 12" W/ 2' TURF SHOULDER STA. 11+65.9 TO 13+61.7 460 SQ YD

PROP. TUNNEL & WALLS (SEE STRUCTURAL PLANS)

PROPOSED FOX RIVER TRAIL CONNECTION (SEE ATB SHEET FOR LAYOUT)

SEE SHEET 30 FOR PLAN & PROFILE ON ILLINOIS PRAIRIE PATH

PROPOSED ILLINOIS PRAIRIE PATH (SEE ATB SHEET FOR LAYOUT)

SEE SHEET 28 FOR PLAN & PROFILE ON FOX RIVER TRAIL

PROPOSED FOX RIVER TRAIL (SEE ATB SHEET FOR LAYOUT)

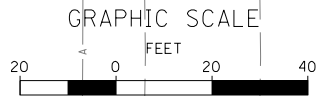
CONC SIDEWALK, 6" (SPL) 98 SQ FT

PROPOSED FOX RIVER TRAIL CONNECTION (SEE ATB SHEET FOR LAYOUT)

COLLAPSIBLE SINGLE POST BOLLARD +59.5, 0.0' RT (SEE NOTE)

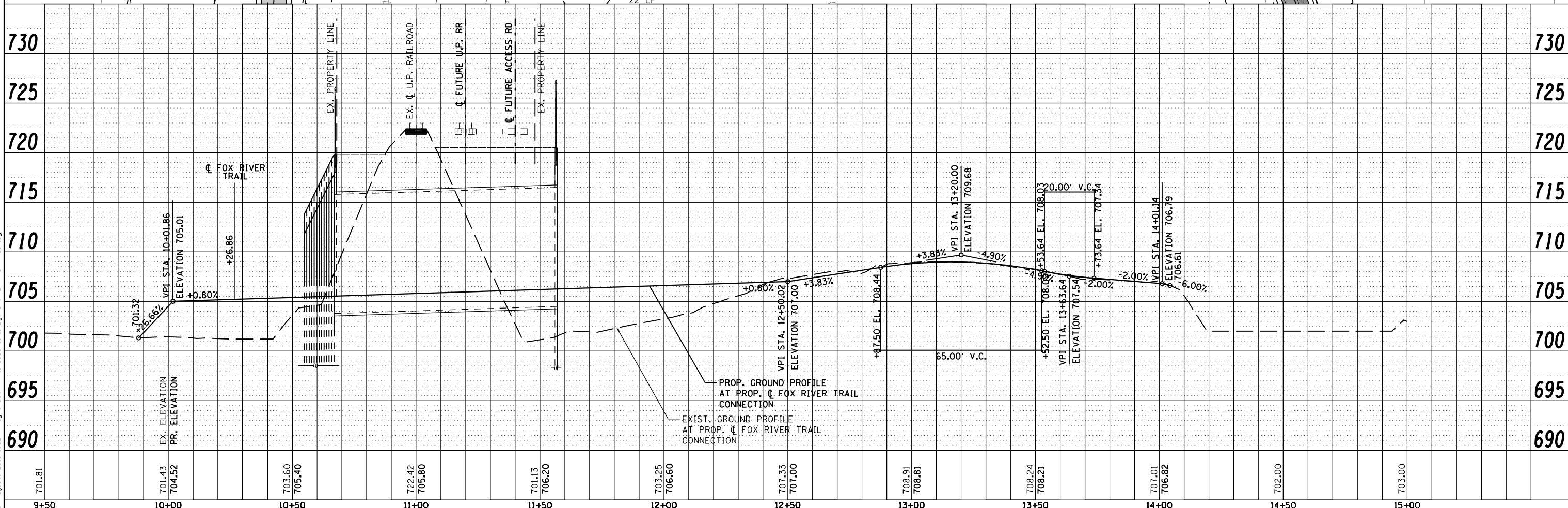
COMB CONC CURB & GUTTER TYPE M4.06 74 LF
LIMITS OF GRADING, CLEARING & TREE REMOVAL, ACRES (SPECIAL) (TYP)

NOTE:
1. THE COLLAPSIBLE SINGLE POST BOLLARD WILL BE PROVIDED AND INSTALLED BY THE FOREST PRESERVE DISTRICT OF KANE COUNTY.



PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	NO.	
	NO.	

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



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CHECKED - SBP
DATE - 03/21/19
PLLOT SCALE = 1:40
PLLOT DATE = 3/21/2019

DESIGNED - SBP	REVISED -
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CHECKED - SBP	REVISED -
DATE - 03/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

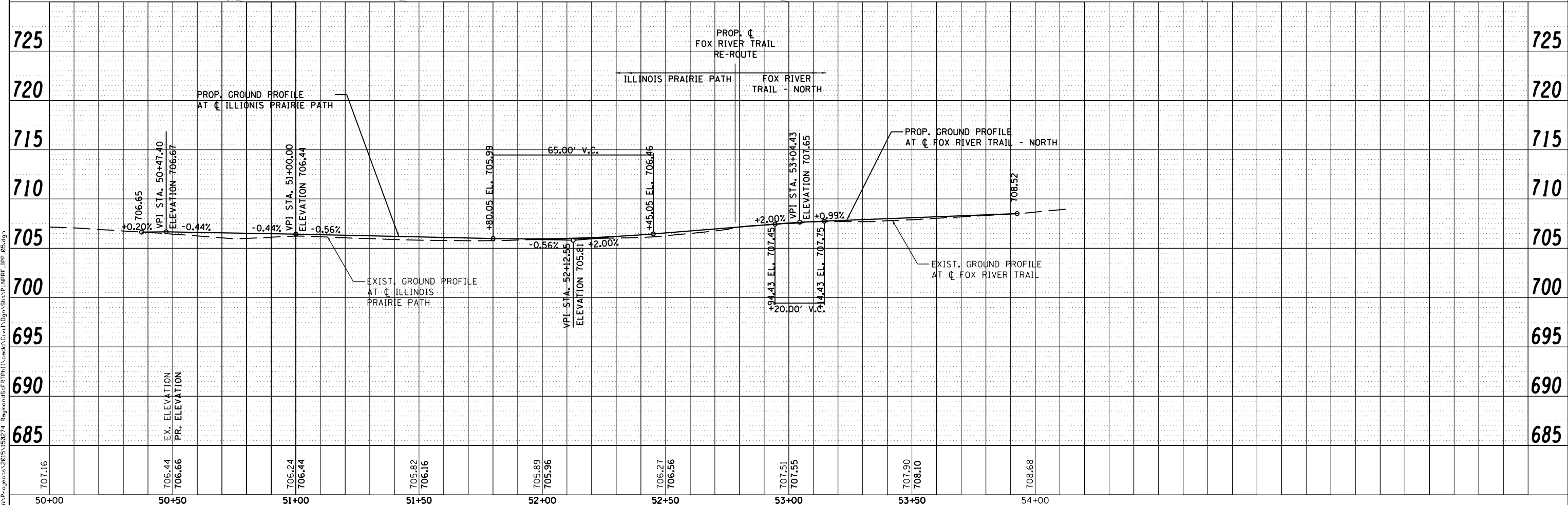
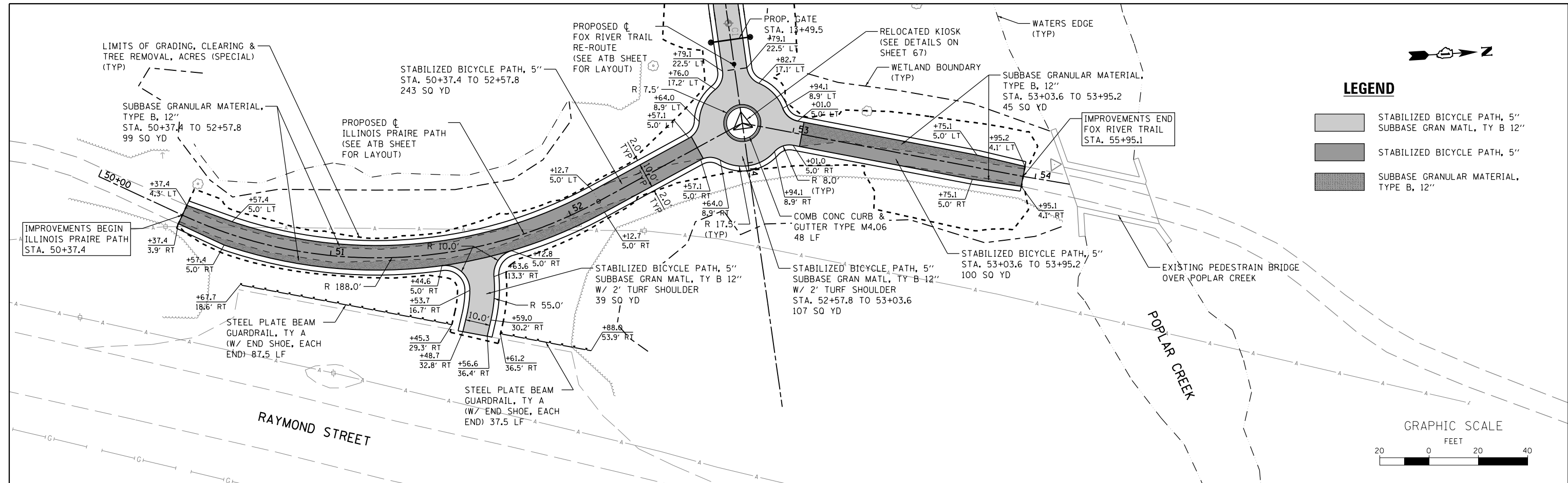
**PLAN & PROFILE
FOX RIVER TRAIL CONNECTION**
SCALE: 1"=20'
SHEET NO. 4 OF 5 SHEETS
STA. 9+99.86 TO STA. 14+01.10

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	29
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
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PROFILE	SURVEYED	DATE
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	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
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WBK engineering WBK ENGINEERING, LLC 116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755	USER NAME = nparis PLOT SCALE = 1:40 PLOT DATE = 3/21/2019	DESIGNED - SBP DRAWN - NDP CHECKED - SBP DATE - 03/21/19	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE ILLINOIS PRAIRIE PATH SCALE: 1"=20' SHEET NO. 5 OF 5 SHEETS STA. 50+37.40 TO STA. 53+95.07	SECTION 14-F3000-07-BT	COUNTY KANE	TOTAL SHEETS 109	SHEET NO. 30	CONTRACT NO. 61E01 ILLINOIS FED. AID PROJECT
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GENERAL NOTES

- SUPPLY, ERECTING, MAINTAINING AND REMOVAL OF THE MAINTENANCE OF TRAFFIC SIGNS WILL NOT MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, SPECIAL."
- ALL MAINTENANCE OF TRAFFIC SIGNING SHALL COMPLY WITH MUTCD, LATEST EDITION, AND BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
- CONTRACTOR SUPPLIED TEMPORARY CONSTRUCTION FENCE (ORANGE) MAY BE ROLLED BACK ON A DAILY BASIS FOR ACCESS OR TO COMPLETE CONSTRUCTION ACTIVITIES. THE SITE SHALL BE RE-SECURED AT THE END OF EACH DAYS CONSTRUCTION ACTIVITIES. THE TEMPORARY CONSTRUCTION FENCE SHALL BE INSTALLED IN SUCH A MANNER TO PROHIBIT PEDESTRIAN TRAFFIC.
- THE TEMPORARY FENCING WILL BE MEASURED SEPARATELY FOR PAYMENT AS TEMPORARY FENCE. THE COLOR SHALL BE "ORANGE". A NOMINAL QUANTITY HAS BEEN ADDED TO THE PLANS TO SECURE THE SITE ACCESS AND OTHER AREAS REQUIRING FENCING AS DIRECTED BY THE ENGINEER.
- UNLESS OTHERWISE APPROVED BY THE CONTRACTOR, THE ILLINOIS PRAIRIE PATH SHALL REMAIN OPEN AT ALL TIMES.
- WHEN CONTRACTORS OPERATIONS REQUIRES EQUIPMENT ON OR ADJACENT TO THE ILLINOIS PRAIRIE PATH, THE CONTRACTOR SHALL PROVIDE FLAGGERS AT EACH END OF THE TRAIL. THE FLAGGERS FOR THIS OPERATION WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE CONSIDER INCLUDED IN THE PAY ITEMS FOR "TRAFFIC CONTROL AND PROTECTION, SPECIAL".
- ALL SIGNS SHALL BE ORANGE IN COLOR UNLESS OTHERWISE NOTED.
- THE TEMPORARY PUBLIC ACCESS PATH SHALL BE CONSTRUCTED USING ONSITE AGGREGATE MATERIAL.



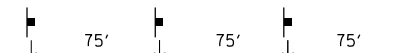
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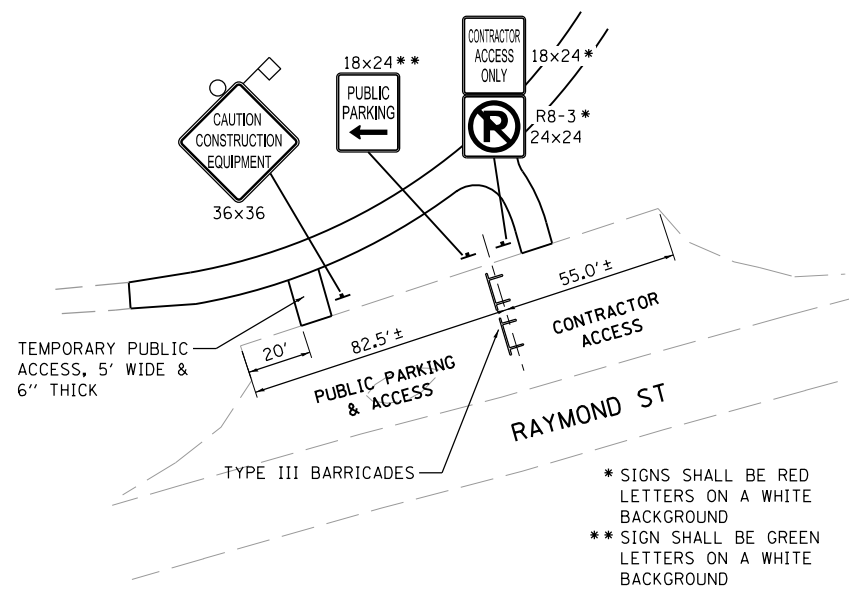
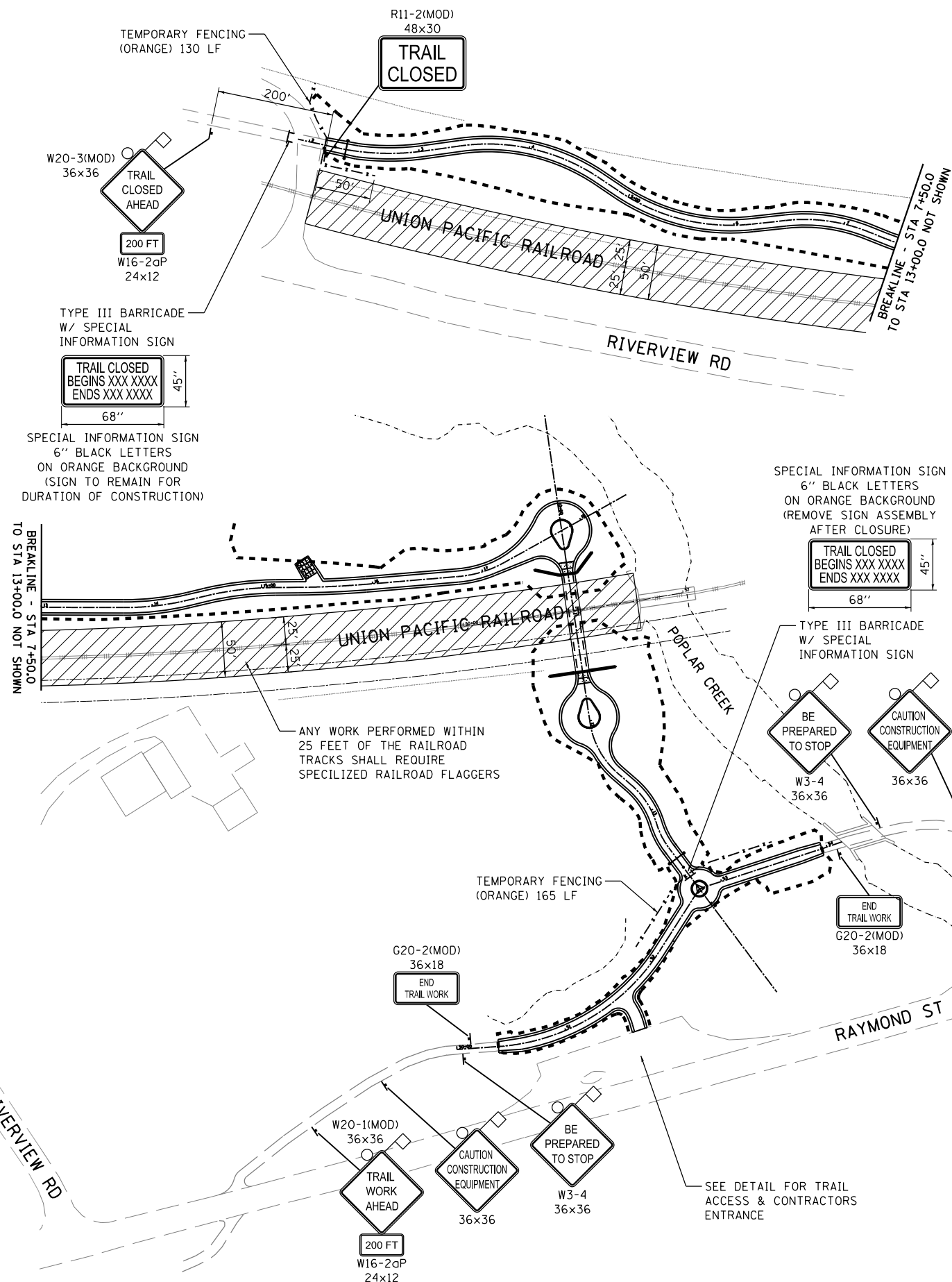
LEGEND

- RAILROAD SAFETY AREA SPECIALIZED FLAGGER REQUIRED
- SIGN PANEL ASSEMBLY
- TYPE III BARRICADE
- PROJECT CONSTRUCTION LIMITS

EXISTING PATH



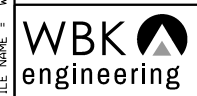
TYPICAL SIGN SPACING



* SIGNS SHALL BE RED LETTERS ON A WHITE BACKGROUND
 ** SIGN SHALL BE GREEN LETTERS ON A WHITE BACKGROUND

TRAIL ACCESS DETAIL
N.T.S.

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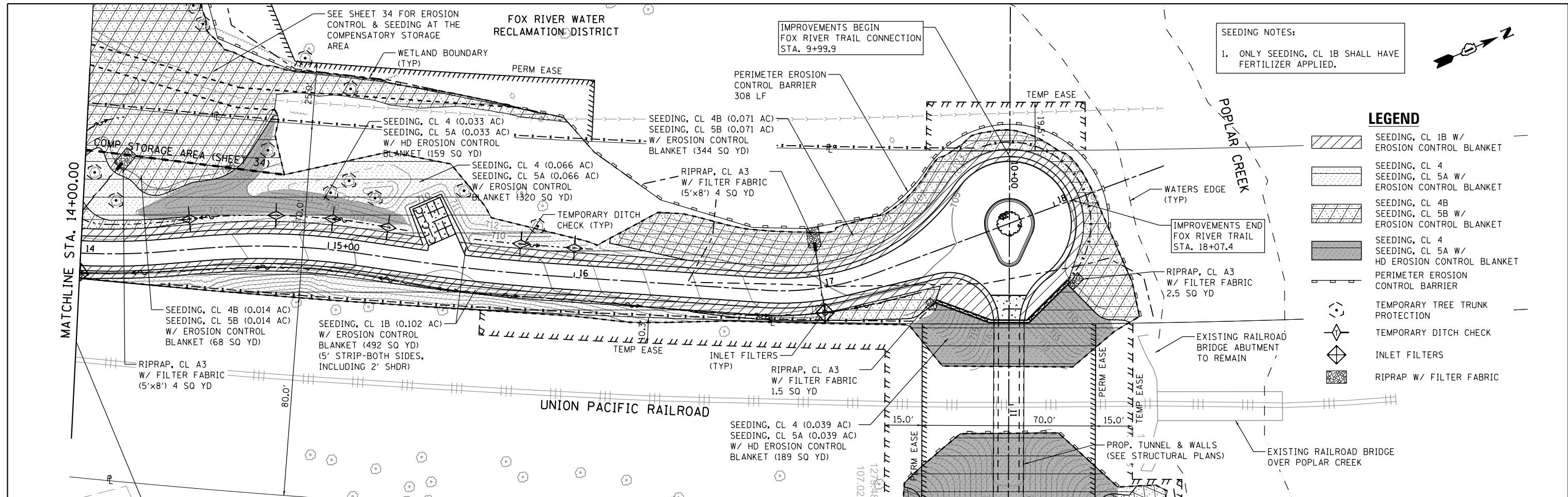
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PLOT SCALE = 1:1120	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
FOX RIVER TRAIL & ILLINOIS PRAIRIE PATH

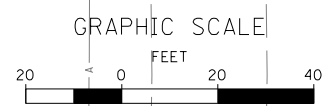
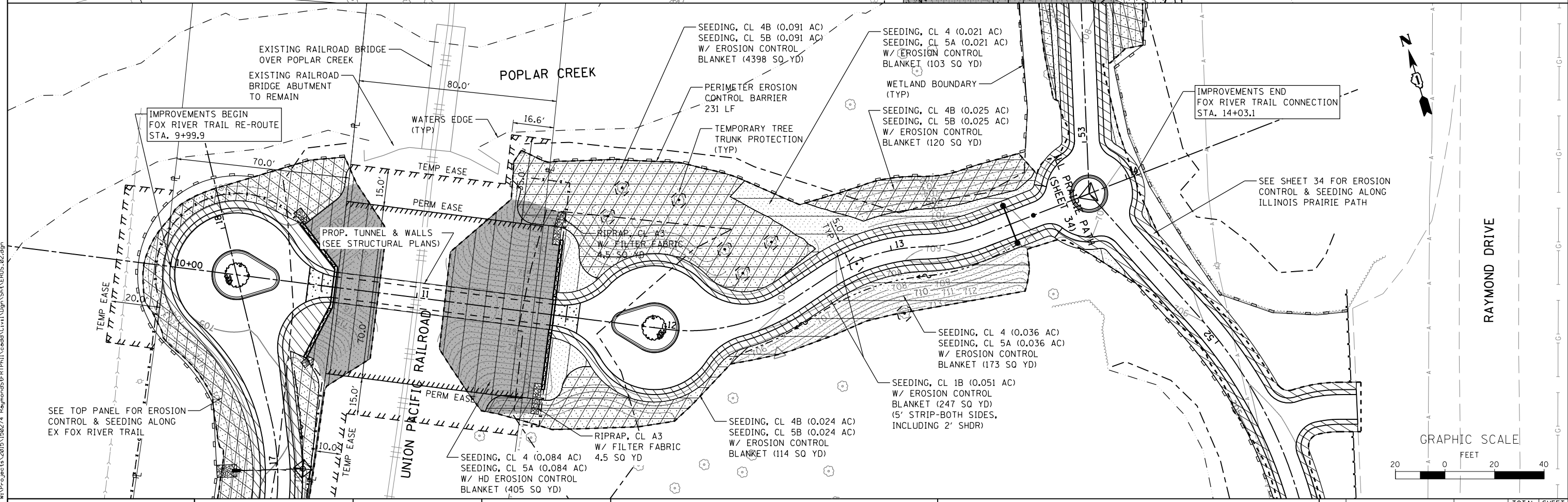
SCALE: AS SHOWN SHEET NO. 1 OF 1 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	31
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			



SEEDING NOTES:
1. ONLY SEEDING, CL 1B SHALL HAVE FERTILIZER APPLIED.

- LEGEND**
- SEEDING, CL 1B W/ EROSION CONTROL BLANKET
 - SEEDING, CL 4 SEEDING, CL 5A W/ EROSION CONTROL BLANKET
 - SEEDING, CL 4B SEEDING, CL 5B W/ EROSION CONTROL BLANKET
 - SEEDING, CL 4 SEEDING, CL 5A W/ HD EROSION CONTROL BLANKET
 - PERIMETER EROSION CONTROL BARRIER
 - TEMPORARY TREE TRUNK PROTECTION
 - TEMPORARY DITCH CHECK
 - INLET FILTERS
 - RIPRAP W/ FILTER FABRIC



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PLOT SCALE = 1"=40'	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL & SEEDING PLAN
FOX RIVER TRAIL**
SCALE: 1"=20' SHEET NO. 2 OF 6 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	33
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

SEEDING NOTES:
 1. ONLY SEEDING, CL 1B SHALL HAVE FERTILIZER APPLIED.

SEE SHEET 33 FOR EROSION CONTROL & SEEDING ALONG PR FOX RIVER TRAIL

SEEDING, CL 4 (0.001 AC)
 SEEDING, CL 5A (0.001 AC)
 W/ EROSION CONTROL BLANKET (7 SQ YD)

SEEDING, CL 1B (0.086 AC)
 W/ EROSION CONTROL BLANKET (417 SQ YD)
 (5' STRIP-BOTH SIDES, INCLUDING 2' SHDR)

TEMPORARY TREE TRUNK PROTECTION (TYP)

SEEDING, CL 4B (0.010 AC)
 SEEDING, CL 5B (0.010 AC)
 W/ EROSION CONTROL BLANKET (49 SQ YD)










SEEDING, CL 4 (0.005 AC)
 SEEDING, CL 5A (0.005 AC)
 W/ EROSION CONTROL BLANKET (26 SQ YD)

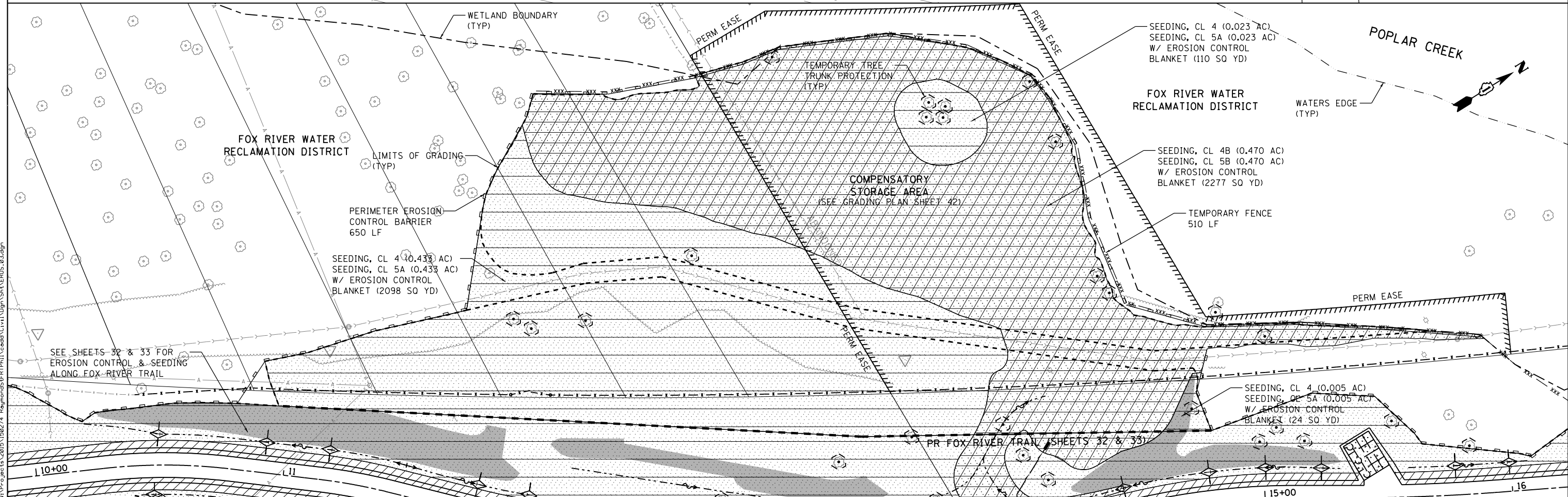
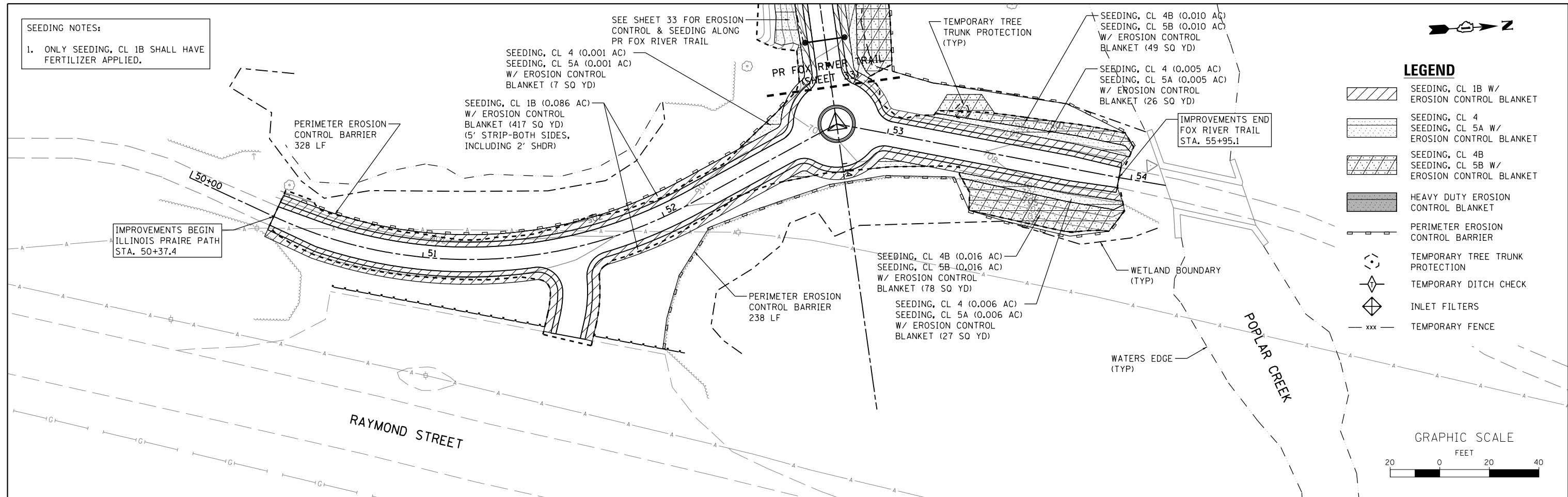
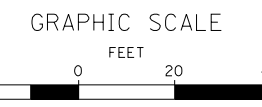
IMPROVEMENTS END FOX RIVER TRAIL STA. 55+95.1

SEEDING, CL 4B (0.016 AC)
 SEEDING, CL 5B (0.016 AC)
 W/ EROSION CONTROL BLANKET (78 SQ YD)

SEEDING, CL 4 (0.006 AC)
 SEEDING, CL 5A (0.006 AC)
 W/ EROSION CONTROL BLANKET (27 SQ YD)

LEGEND

-  SEEDING, CL 1B W/ EROSION CONTROL BLANKET
-  SEEDING, CL 4 SEEDING, CL 5A W/ EROSION CONTROL BLANKET
-  SEEDING, CL 4B SEEDING, CL 5B W/ EROSION CONTROL BLANKET
-  HEAVY DUTY EROSION CONTROL BLANKET
-  PERIMETER EROSION CONTROL BARRIER
-  TEMPORARY TREE TRUNK PROTECTION
-  TEMPORARY DITCH CHECK
-  INLET FILTERS
-  TEMPORARY FENCE



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USER NAME = nparris
 PLOT SCALE = 1"=40'
 PLOT DATE = 3/21/2019

DESIGNED - NMP	REVISED -
DRAWN - NDP	REVISED -
CHECKED - SBP	REVISED -
DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL & SEEDING PLAN
ILLINOIS PRAIRIE PATH & COMPENSATORY STORAGE AREA
 SCALE: 1"=20' SHEET NO. 3 OF 6 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	34
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

EROSION CONTROL INSPECTION

ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EACH 1/2" RAIN EVENT.

WINTER SHUT DOWN

A WINTER SHUT DOWN IS NOT ANTICIPATED FOR THIS PROJECT. BUT IN THE EVENT THAT UNAVOIDABLE CIRCUMSTANCE REQUIRE A WINTER SHUT DOWN, THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.

TEMPORARY DITCH CHECKS

TEMPORARY DITCH CHECKS WILL BE REQUIRED AT THOSE LOCATIONS WHERE THE CONTRACTORS OPERATIONS REQUIRE TEMPORARY OR PERMANENT DITCHES. THE LOCATION OF TEMPORARY DITCH CHECKS ARE SHOWN ON THE PLANS. THE EXACT LOCATION MAY REQUIRE FIELD ADJUSTMENT AND WILL BE COORDINATED IN THE FIELD WITH THE ENGINEER. THE QUANTITIES INCLUDE A PLAN ALLOWANCE OF 10% OF THE TOTAL TEMPORARY DITCH CHECKS, FOR MAINTENANCE PURPOSES. TEMPORARY DITCH CHECKS SHALL BE CONSTRUCTED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

PERIMETER EROSION BARRIER (SILT FENCE)

PERIMETER EROSION CONTROL BARRIER (SILT FENCE) SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PLANS. THE PERIMETER EROSION CONTROL BARRIER SHALL BE CONSTRUCTED AS DETAILED ON THE PLANS AND AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

STOCK PILE LOCATIONS AND PROTECTING STOCK PILE AREAS

STOCK PILES SHOULD NOT BE PLACED IN OR NEAR CRITICAL AREAS, OR AREAS THAT HAVE HIGH POTENTIAL FOR CONTRIBUTING SEDIMENTS TO STORMWATER FACILITIES.

CONTRACTOR MAY OPT TO STOCK PILE MATERIAL. STAGING OF THE PROJECT IS AT THE DISCRETION OF THE CONTRACTOR AND COORDINATION OF STOCK PILES WILL BE WITH THE ENGINEER AND KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD). STOCKPILES OF SOIL AND OTHER CONSTRUCTION MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES, NOT BEING ACTIVELY WORKED AND TO REMAIN IN PLACE FOR 14 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

STABILIZED CONSTRUCTION AREA

TEMPORARY STABILIZATION OF THE CONSTRUCTION AREA SHOULD TAKE PLACE AT THE END OF EACH WORK DAY.

PERMANENT STABILIZATION OF THE CONSTRUCTION AREA SHALL BE COMPLETED WITHIN 7 DAYS OF FINAL GRADING.

DEWATERING

WHEN DEWATERING THE CONSTRUCTION AREA IS NECESSARY, ALL WATERS SHALL BE FILTERED BY USING FILTER BAGS OR AN ALTERNATIVE MEASURE APPROVED BY THE KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT. ALL FILTER BAGS MUST HAVE SECONDARY CONTAINMENT DEVICES, AND SHOULD BE PLACED ON LEVEL GROUND. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO RETURN TO THE ORIGINAL CREEK. THE DISCHARGE SHALL BE DESIGNED SO THAT RETURNING WATERS DO NOT CAUSE EROSION. THE CONTRACTOR WILL COORDINATE THE METHOD, DESIGN AND LOCATION OF THE DEWATERING PLAN AND FILTER BAG(S) WITH KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT AT THE PRE-CONSTRUCTION MEETING.

DEWATERING AND FILTERING BAG SYSTEMS REQUIRED FOR ALL CONSTRUCTION OPERATIONS WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE RELATED WORK ITEM REQUIRING DEWATERING. DEWATERING WILL INCLUDE MEANS, METHODS AND ALL MATERIALS TO DEWATER AND TO PROVIDE FILTRATION OF WATERS BEFORE RE-ENTERING THE CREEK.

KEEPING PAVEMENTS CLEAN

THE CONTRACTOR WILL KEEP ALL PERMANENT PAVEMENT SURFACES CLEAN OF DIRT OR CONSTRUCTION DEBRIS. THE PAVEMENT SHALL BE CLEANED AT THE END OF EACH DAYS OPERATION OR MORE FREQUENTLY AS REQUIRED BY THE ENGINEER IF THE DEBRIS IS DEEMED TO BE A HAZARD TO THE MOTORING PUBLIC.

STABILIZED CONSTRUCTION ENTRANCE

A STABILIZED CONSTRUCTION ENTRANCE IS NOT ANTICIPATED FOR THIS PROJECT.

CONCRETE WASHOUT

IF A CONCRETE WASHOUT IS NEEDED, IT SHOULD BE DRAWN ON THESE PLANS BY THE CONTRACTOR AT THE TIME OF INSTALLATION. WASHOUTS ARE TO BE CONSTRUCTED AND MAINTAINED IN A MANNER CONSISTENT WITH THE DETAILS ON THE PLANS AND THE LATEST EDITION OF THE ILLINOIS URBAN MANUAL.

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING				A				A		B		
DORMANT SEEDING	C				B						C	
TEMPORARY SEEDING			D									
EROSION CONTROL	E											

- A. CLASS 1B
 - B. CLASS 4 & CLASS 5A
CLASS 4B & CLASS 5B
 - C. INCREASE SEEDING RATES BY 25% WHEN DORMANT SEEDING (NOT ANTICIPATED)
 - D. TEMPORARY SEEDING (PERENNIAL RYE GRASS, SPRING OATS)
 - E. EROSION CONTROL BLANKET OR HEAVY DUTY EROSION CONTROL BLANKET (PERMANENT SEED AREAS ONLY) (SEE NOTE THIS SHEET)
- IRRIGATION MAY BE NEEDED DURING JUNE AND JULY (INCLUDED IN SEEDING)

SEEDING NOTE:

SEEDING TO BE COMPLETED PER REQUIREMENTS OF SECTION 250 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES AND THE SPECIAL PROVISIONS.

EROSION CONTROL BLANKET NOTE:

ALL EROSION CONTROL BLANKETS, TEMPORARY AND PERMANENT, SHALL BE WILD LIFE FRIENDLY AND 100% BIO-DEGRADABLE. SEE SPECIAL PROVISIONS FOR ADDITIONAL MATERIAL INFORMATION.

GENERAL NOTES

- A) UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, LATEST EDITION.
- B) THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- C) A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- D) PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.
- E) THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
- F) IT IS THE RESPONSIBILITY OF THE OWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.
- G) THE CONTRACTOR IS RESPONSIBLE FOR INDICATING THE CURRENT LOCATION OF THE CONCRETE WASHOUT AND ANY MODIFICATIONS TO THE LOCATIONS OR DETAILS OF EROSION AND SEDIMENT CONTROLS ON THESE PLANS.
- H) ALL DROP INLETS ON AND ADJACENT TO THE SITE MUST HAVE SEDIMENT TRAPPING OR CONTAINMENT DEVICE INSTALLED DURING CONSTRUCTION ACTIVITIES. FILTER FABRIC ON ITS OWN IS NOT AN APPROVED METHOD. PREFABRICATED DROP INLET PROTECTION SHOULD BE AS RESTRICTIVE AS THE ILLINOIS URBAN MANUAL STANDARD 861 FOR INLET PROTECTION.

CONTRACTOR SUBMITTAL

MEANS AND METHODS TO CONSTRUCT THE TUNNEL AND OTHER APPURTENANT WORK IS THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR IS REQUIRED TO SUBMIT TO KDSWCD FOR APPROVAL ALL DRAWINGS AND/OR DETAILS SHOWING THE EXACT SEQUENCING, METHODS, AND LOCATIONS OF THE COFFERDAMS WHICH WILL INCLUDE DEWATERING AND FILTRATION METHODS.

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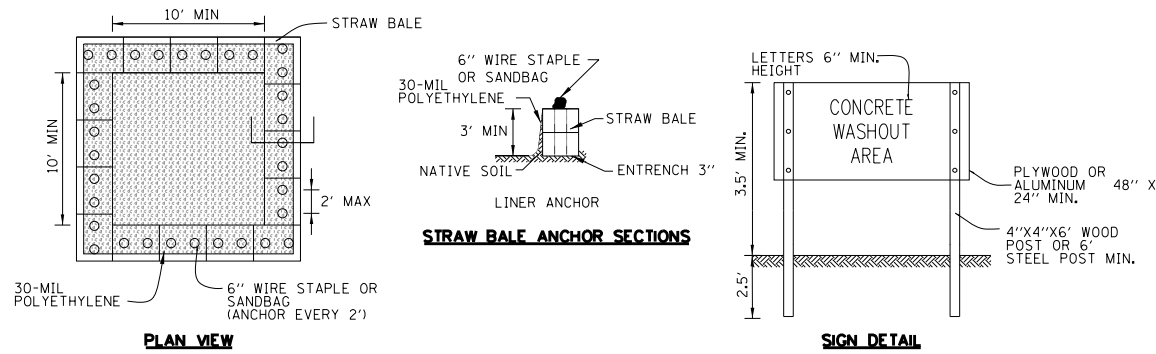
WBK ENGINEERING, LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

USER NAME = nparris	DESIGNED - NMP	REVISED -
PLOT SCALE = 1:200	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL & SEEDING PLAN		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
GENERAL NOTES		14-F3000-07-BT	KANE	109	35
SCALE:		SHEET NO. 4 OF 6 SHEETS		STA. TO STA.	
ILLINOIS FED. AID PROJECT					

CONTRACT NO. 61E01

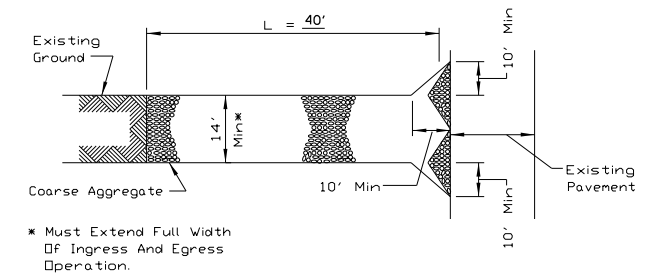


WASHOUT NOTES:

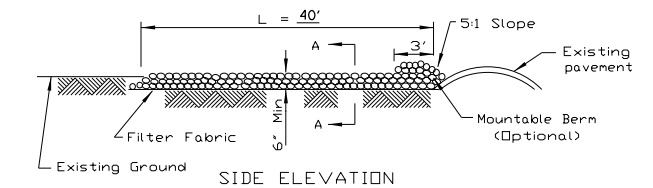
1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"x2"x4' WOODEN STAKES.

TEMPORARY CONCRETE WASHOUT FACILITY – STRAW BALE

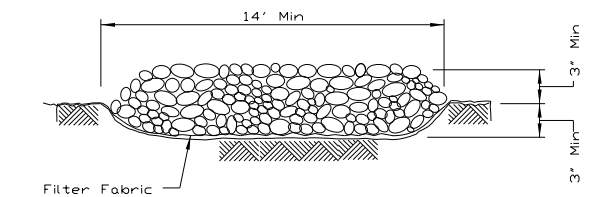
STD. IUM-6545B
(TEMPORARY CONCRETE WASHOUT)



PLAN VIEW



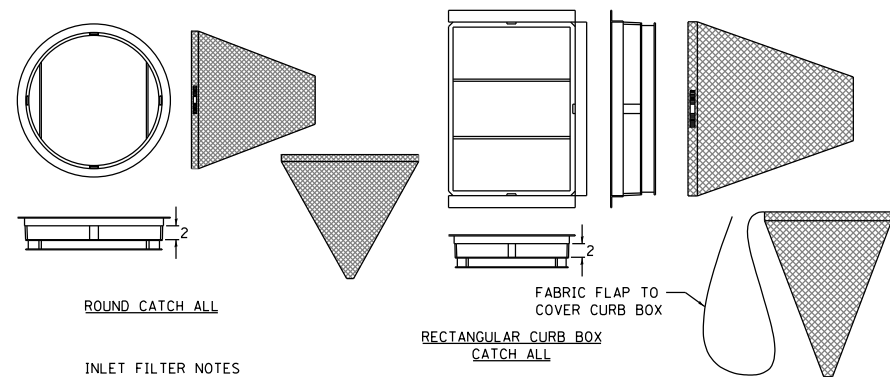
SIDE ELEVATION



SECTION A-A

NOTES:

1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF ARTICLE 1080.03 OF THE STANDARD SPECIFICATIONS AND SHALL BE PLACED OVER THE CLEARED SUBGRADE AREA PRIOR TO PLACING THE ROCK.
2. AGGREGATE FILL SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATIONS, CA-1, CA-2, CA-3 OR CA-4 AND BE PLACED ACCORDING TO SPECIAL PROVISION "STABILIZED CONSTRUCTION ENTRANCE".
3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.
4. IF WASH RACKS ARE USED THEY SHALL BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS.



ROUND CATCH ALL

RECTANGULAR CURB BOX CATCH ALL

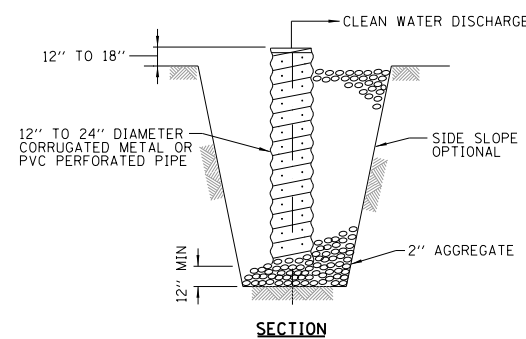
INLET FILTER NOTES

FRAME: TOP FLANGE FABRICATED FROM 1/4"x1/4"x1/8" ANGLE. BASE RIM FABRICATED FROM 1/2"x1/2"x1/8" CHANNEL. HANDLES AND SUSPENSION BRACKETS FABRICATED FROM 1/4"x1/4" FLAT STOCK. ALL STEEL CONFORMING TO ASTM-A36.

SEDIMENT BAG: BAG FABRICATED FROM 4 OZ./SQ.YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. BAG SECURED TO BASE RIM WITH A STAINLESS STEEL BAND AND LOCK.

INLET FILTER DETAIL

N.T.S.



SECTION

SUMP PIT NOTES:

1. PIT DIMENSIONS ARE OPTIONAL.
2. THE STANDPIPE WILL BE CONSTRUCTED BY PERFORATING A 12"-24" DIAMETER CORRUGATED METAL OR PVC PIPE.
3. A BASE OF 2" AGGREGATED WILL BE PLACED IN THE PIT TO A MINIMUM DEPTH OF 12". AFTER INSTALLING THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE WILL THEN BE BACKFILLED WITH 2" AGGREGATE.
4. THE STANDPIPE WILL EXTEND 12" TO 18" ABOVE THE LIP OF THE PIT.
5. IF DISCHARGE WILL BE PUMPED DIRECTLY TO A STORM DRAINAGE SYSTEM, THE STANDPIPE WILL BE WRAPPED WITH FILTER FABRIC BEFORE INSTALLATION.
6. IF DESIRED, 1/4"-1/2" HARDWARE CLOTH MAY BE PLACED AROUND THE STANDPIPE PRIOR TO ATTACHING THE FILTER FABRIC. THIS WILL INCREASE THE RATE OF WATER SEEPAGE INTO THE PIPE.

SUMP PIT PLAN

STD. IL-650
(SUMP PIT PLAN)

STABILIZED CONSTRUCTION

ENTRANCE PLAN

STD. IL-630(A), IL-630(B)
(STABILIZED CONSTRUCTION ENTRANCE PLAN)

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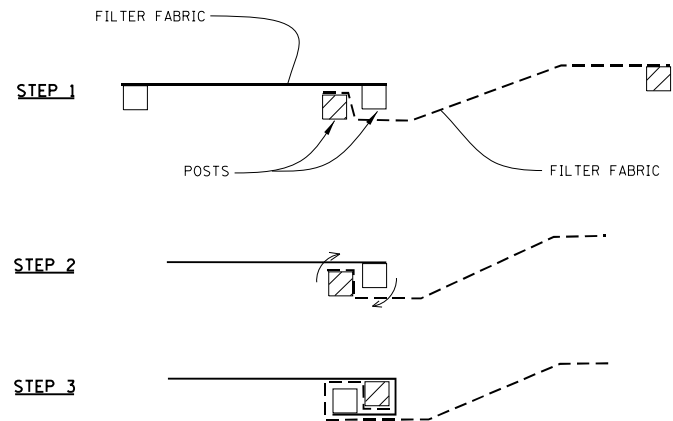


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PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL & SEEDING PLAN		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NOTES & DETAILS		14-F3000-07-BT	KANE	109	36
SCALE:		CONTRACT NO. 61E01		ILLINOIS FED. AID PROJECT	
SHEET NO. 5 OF 6 SHEETS		STA. TO STA.			



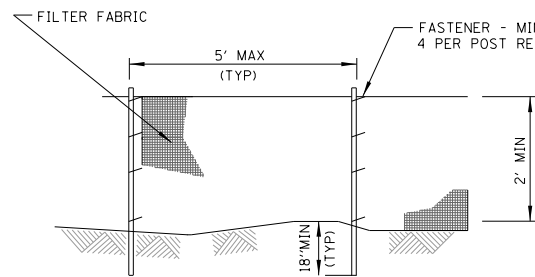
ATTACHING TWO SILT FENCES

NOTES:

1. PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE.
2. ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL.
3. CUT THE FABRIC NEAR THE BOTTOM OF THE STAKES TO ACCOMMODATE THE 6" FLAP.
4. DRIVE BOTH POSTS A MINIMUM OF 18 INCHES INTO THE GROUND AND BURY THE FLAP.
5. COMPACT BACKFILL (PARTICULARLY AT SPLICES) COMPLETELY TO PREVENT STORMWATER PIPING.

**PERIMETER EROSION BARRIER
(SILT FENCE) – SPLICING TWO FENCES**

STD. IUM-620B
(SILT FENCE - SPLICING TWO FENCES)



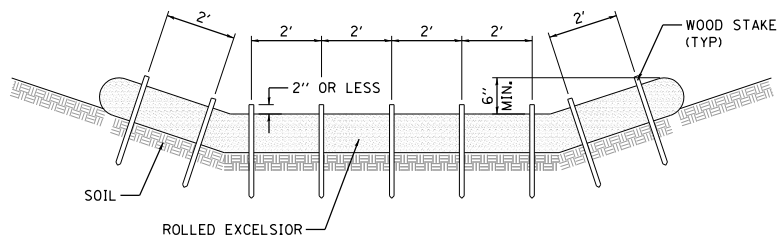
ELEVATION

NOTES:

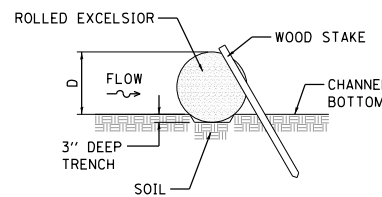
1. TEMPORARY SEDIMENT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
2. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 40 FOR WOVEN.
3. FENCE POSTS SHALL BE EITHER STANDARD STEEL POST OR WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA OF 3.0 SQ. IN.

**PERIMETER EROSION BARRIER
(SILT FENCE)**

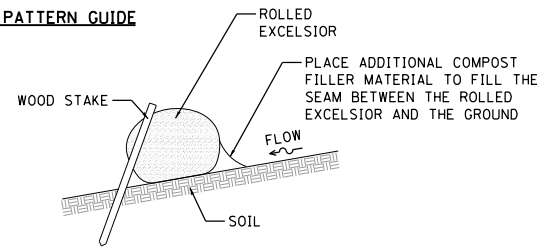
STD. IUM-620A
(SILT FENCE PLAN)



STAKING PATTERN GUIDE



STAKE DETAIL



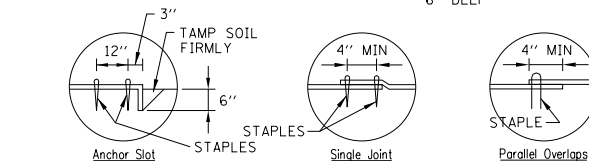
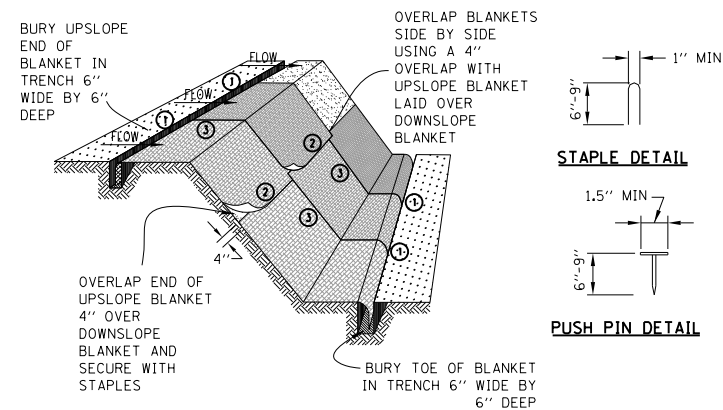
COMPOST FILTER SOCK DETAIL

NOTES:

1. ENDS OF ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
2. RECOMMENDED STAKES ARE 1/8" WIDE x 1/8" THICK x 30" LONG.
3. STAKES SHALL NOT EXTEND ABOVE THE ROLLED EXCELSIOR MORE THAN 2".
4. SPACING: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.
5. WHEN COMPOST FILTER SOCK DITCH CHECK IS USED, PLACE A COMPOST BERM UPSTREAM OF THE FILTER SOCK (SEE IUM 805). A TRENCH IS NOT REQUIRED.
6. OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
7. STAKES SHALL BE PLACED EVERY 2' FOR ROLLED EXCELSIOR, OR AS SPECIFIED BY THE MANUFACTURER.

**TEMPORARY DITCH CHECK
ROLLED EXCELSIOR**

STD. IUM-514
(ROLLED EROSION CONTROL PRODUCTS)



DETAIL 1

DETAIL 2

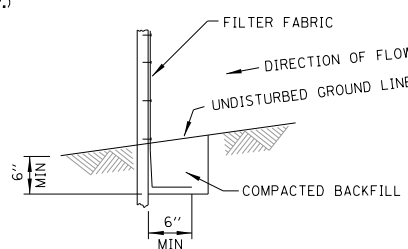
DETAIL 3

NOTES:

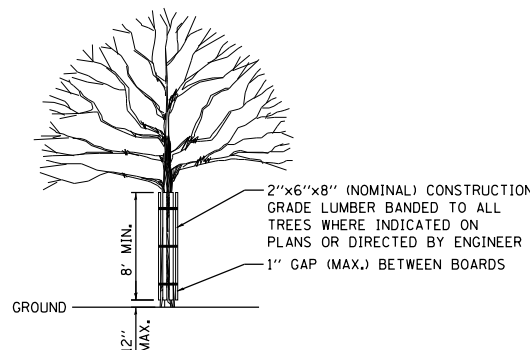
1. STAPLES SHALL BE PLACED IN A DIAMOND PATTERN AT 2 PER S.Y. FOR STITCHED BLANKETS. NON-STICHED SHALL USE 4 STAPLES PER S.Y. OF MATERIAL. THIS EQUATES TO 200 STAPLES WITH STITCHED BLANKET AND 400 STAPLES WITH NON-STICHED BLANKET PER 100 S.Y. OF MATERIAL.
2. STAPLE OR PUSH PIN LENGTHS SHALL BE SELECTED BASED ON SOIL TYPE AND CONDITIONS. (MINIMUM STAPLE LENGTH IS 6")
3. EROSION CONTROL MATERIAL SHALL BE PLACED IN CONTACT WITH THE SOIL OVER A PREPARED SEEDBED.
4. ALL ANCHOR SLOTS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

**EROSION CONTROL
BLANKET INSTALLATION DETAILS**

STD. IL-530A, IL-530B, IUM-531
(EROSION CONTROL BLANKET)



FABRIC ANCHOR DETAIL



TREE TRUNK PROTECTION
N.T.S.

FILE NAME = W:\Projects\2015\150274_RaymondStFRTPH\1\cadd\Civil\06gr\SHA\EROS_06.dgn



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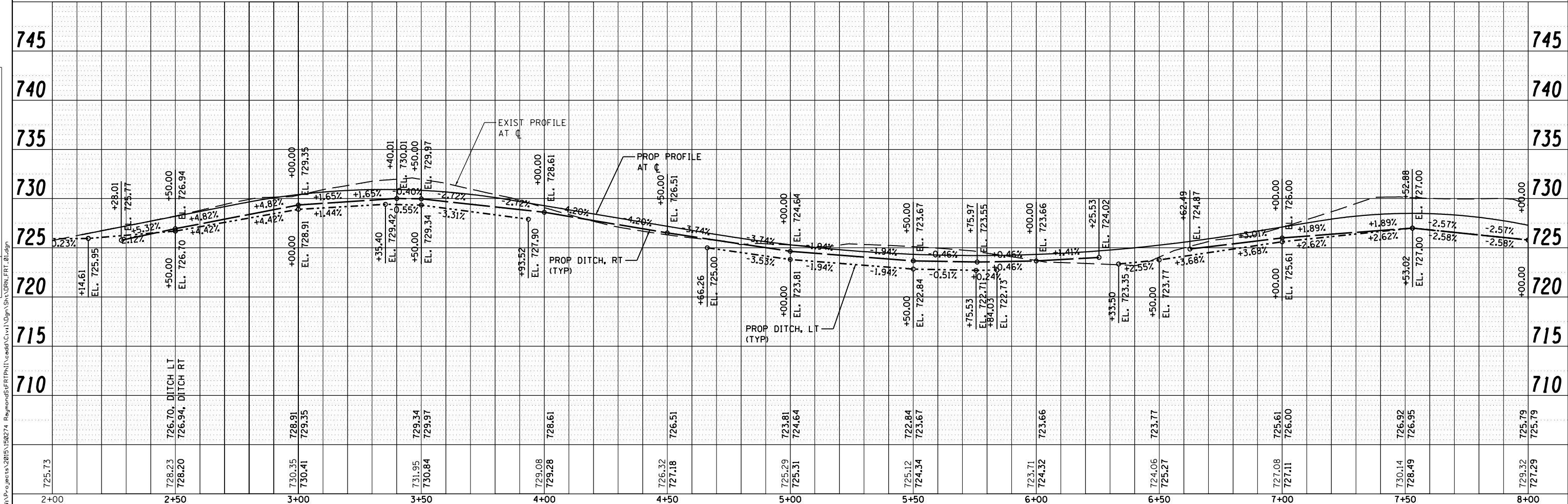
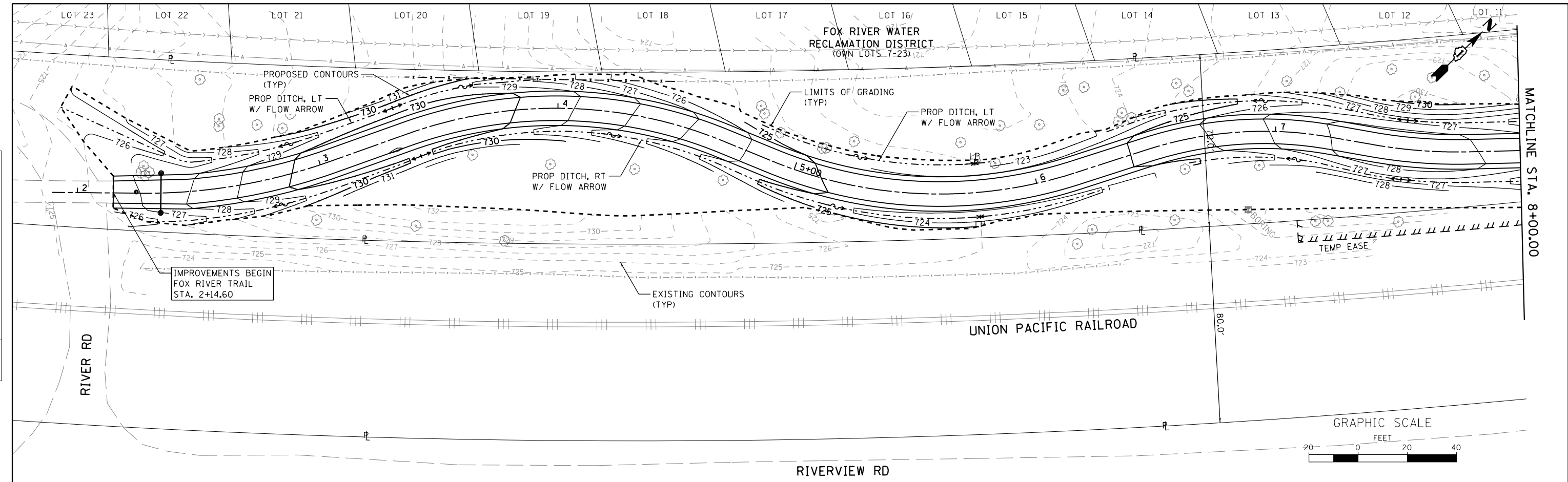
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PLOT SCALE = 1:200	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL & SEEDING PLAN DETAILS		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:		14-F3000-07-BT	KANE	109	37
SHEET NO. 6 OF 6 SHEETS		CONTRACT NO. 61E01		ILLINOIS FED. AID PROJECT	

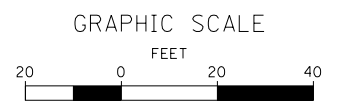
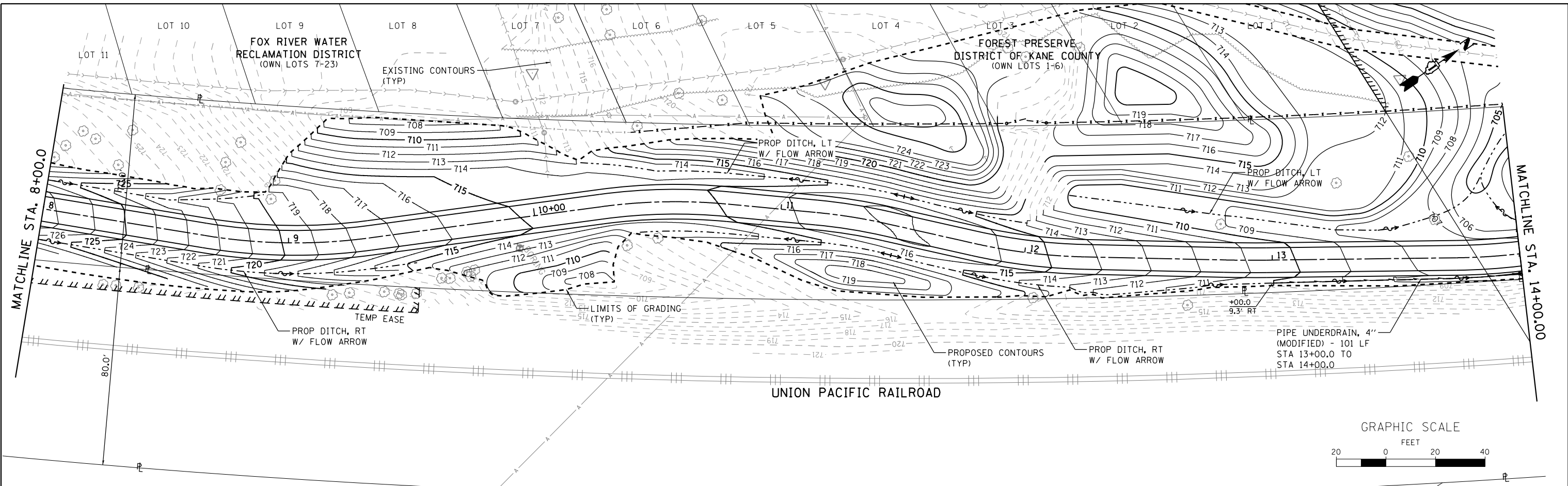
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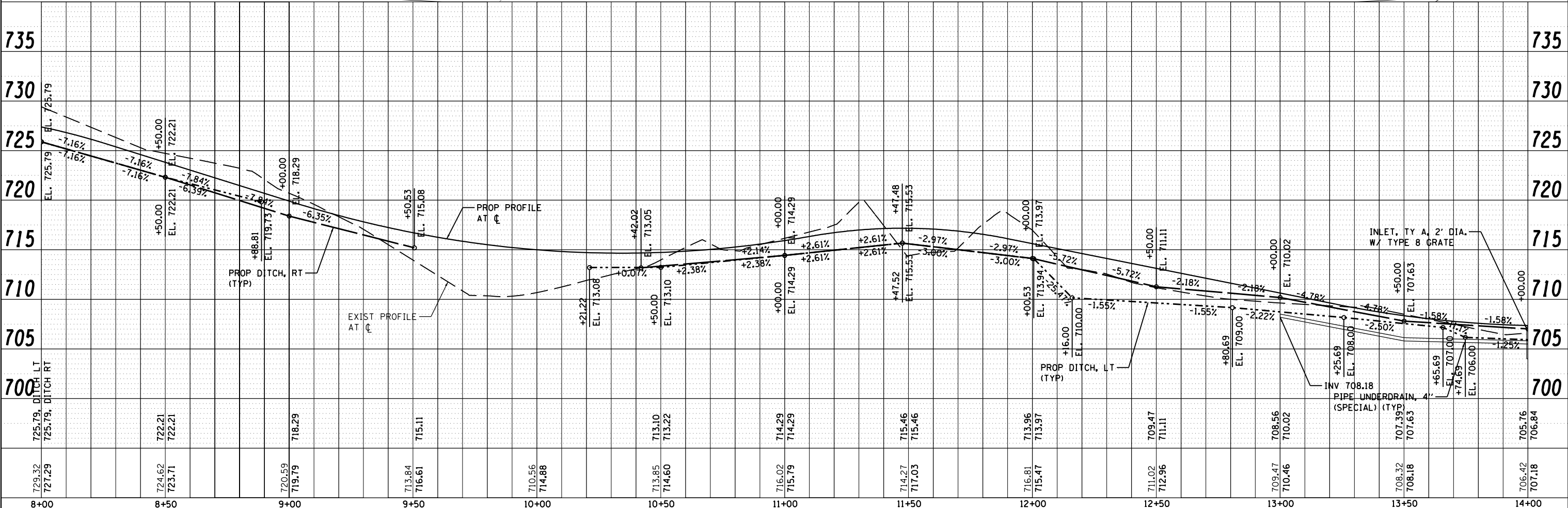


WBK engineering	WBK ENGINEERING, LLC 116 WEST MAIN STREET, SUITE 201 ST. CHARLES, ILLINOIS 60174 (630) 443-7755	USER NAME = nparis	DESIGNED - SBP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITY PLAN & PROFILE FOX RIVER TRAIL			SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		PLOT SCALE = 1:40	CHECKED - SBP	REVISED -		14-F3000-07-BT	KANE	109	38			
		PLOT DATE = 3/21/2019	DATE - 03/21/19	REVISED -	SCALE: 1"=20'	SHEET NO. 1	OF 4 SHEETS	STA. 2+35.00	TO STA. 8+00.00	CONTRACT NO. 61E01		

PLAN	SURVEYED	DATE
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PLOT SCALE = 1:40	DRAWN - NDP	REVISED -
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	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

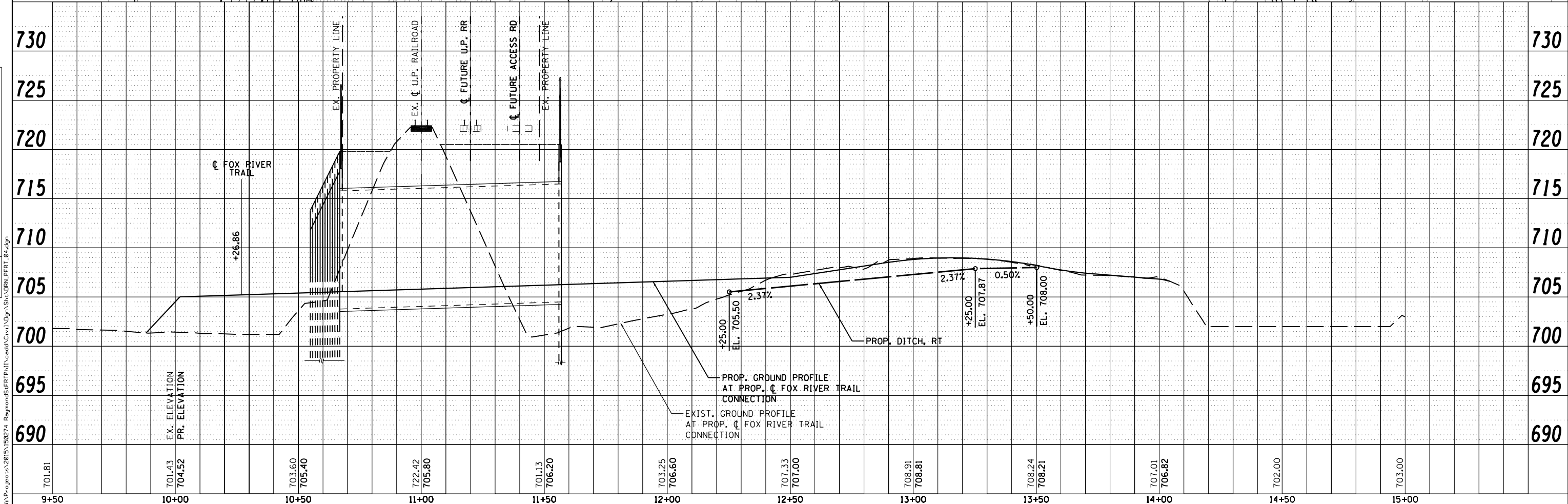
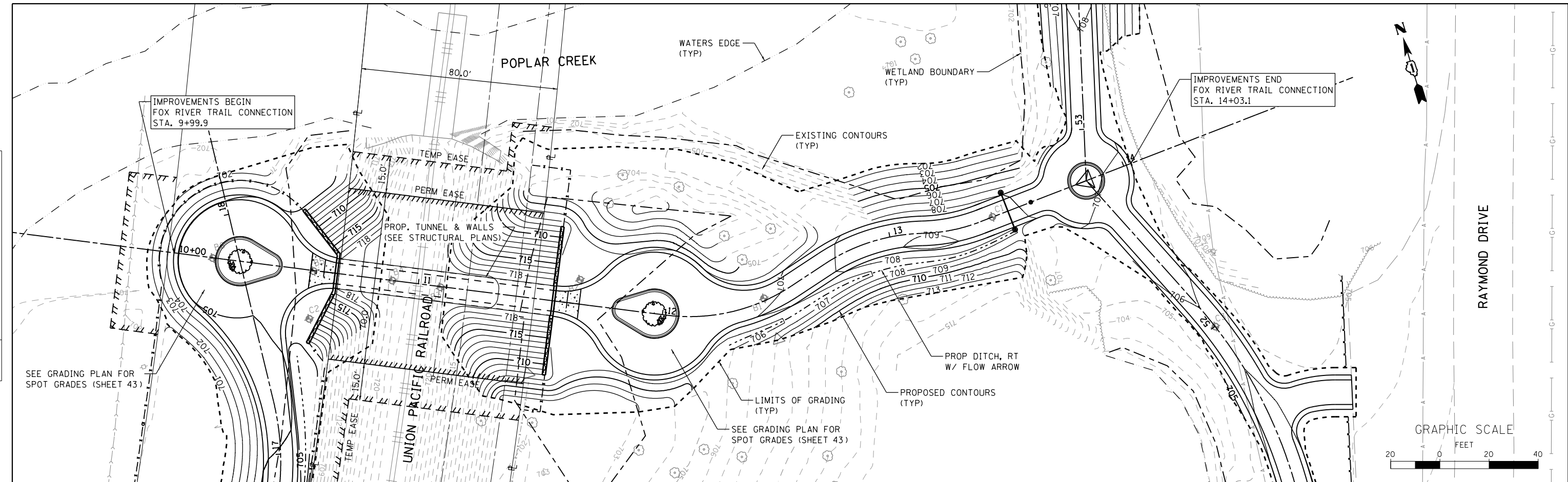
**DRAINAGE & UTILITY PLAN & PROFILE
 FOX RIVER TRAIL**

SCALE: 1"=20' SHEET NO. 2 OF 4 SHEETS STA. 8+00.00 TO STA. 14+00.00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	39
CONTRACT NO. 61E01		ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
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	NO.		

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



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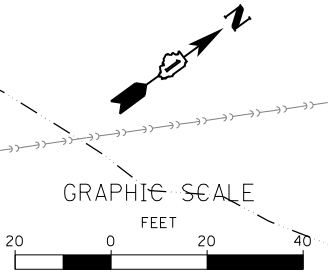
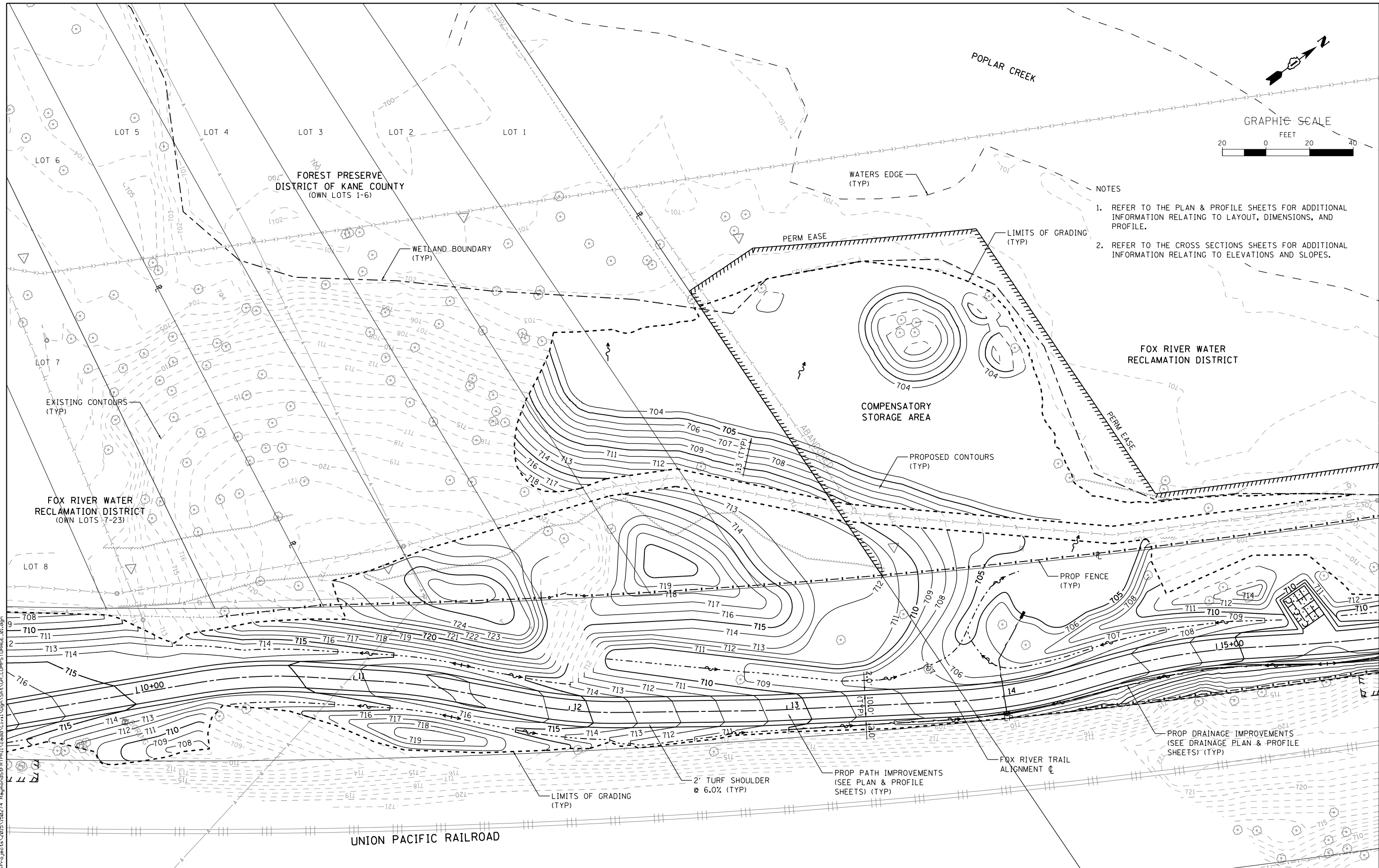
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN & PROFILE
 FOX RIVER TRAIL CONNECTION**

SCALE: 1"=20' SHEET NO. 4 OF 4 SHEETS STA. 9+99.86 TO STA. 14+01.10

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	41
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

FILE NAME = \\projects\150274_Regenerus\FRTRAIL\cadd\Civil\Drawn\DRN_PRT_04.dgn



- NOTES
1. REFER TO THE PLAN & PROFILE SHEETS FOR ADDITIONAL INFORMATION RELATING TO LAYOUT, DIMENSIONS, AND PROFILE.
 2. REFER TO THE CROSS SECTIONS SHEETS FOR ADDITIONAL INFORMATION RELATING TO ELEVATIONS AND SLOPES.

FILE NAME = W:\Projects\2015\150274_Raymond54FRTPH\1\cadd\Civil\Drawn\Shr\GR_COMPSTORAGE_01.dgn
 09
 2
 110+00
 115+00



WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparris
 PLOT SCALE = 1"=40'
 PLOT DATE = 3/21/2019

DESIGNED - SBP	REVISED -
DRAWN - NDP	REVISED -
CHECKED - SBP	REVISED -
DATE - 03/21/19	REVISED -

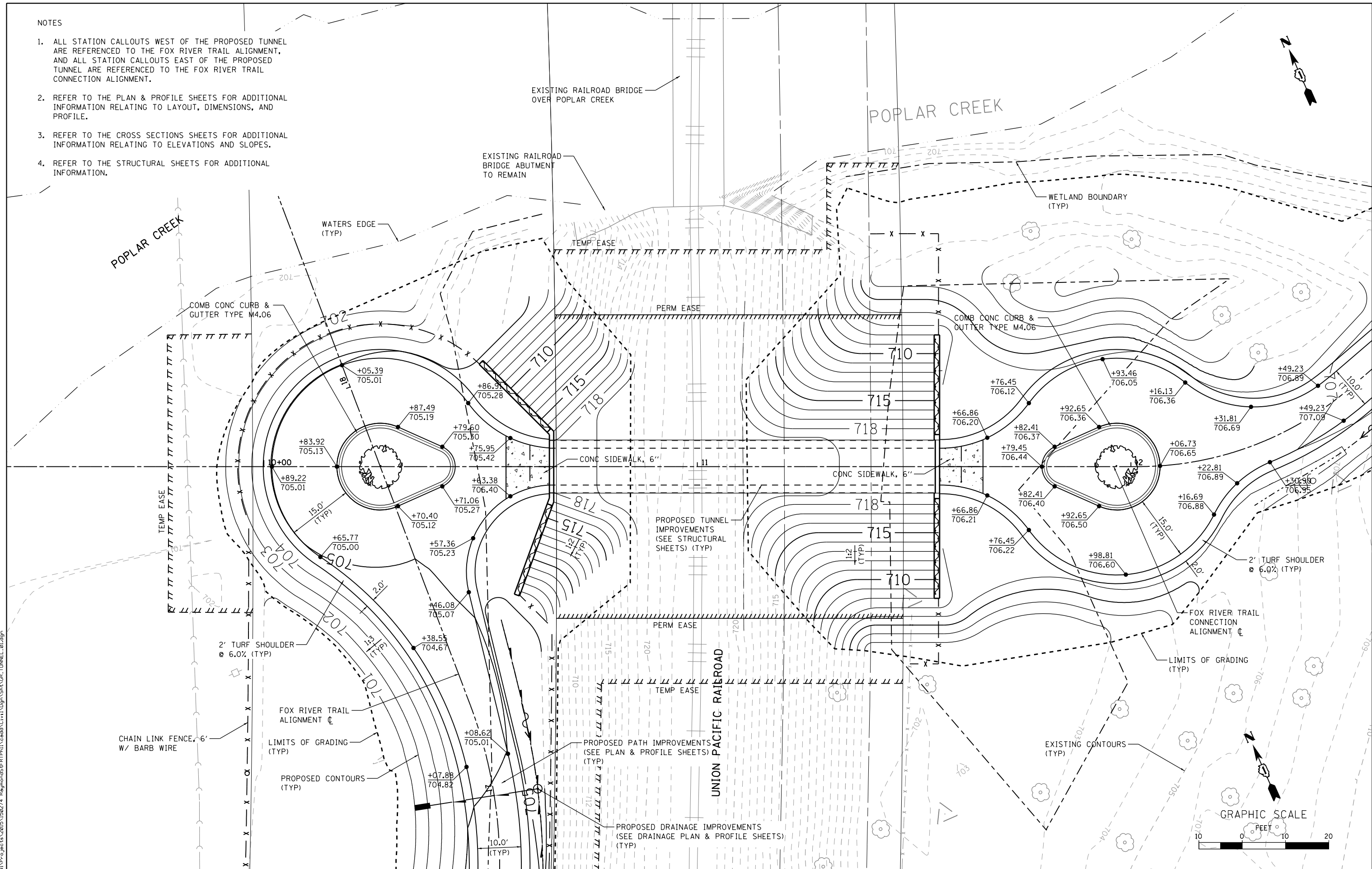
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN
COMPENSATORY STORAGE AREA
 SCALE: 1"=20' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	42
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

NOTES

1. ALL STATION CALLOUTS WEST OF THE PROPOSED TUNNEL ARE REFERENCED TO THE FOX RIVER TRAIL ALIGNMENT, AND ALL STATION CALLOUTS EAST OF THE PROPOSED TUNNEL ARE REFERENCED TO THE FOX RIVER TRAIL CONNECTION ALIGNMENT.
2. REFER TO THE PLAN & PROFILE SHEETS FOR ADDITIONAL INFORMATION RELATING TO LAYOUT, DIMENSIONS, AND PROFILE.
3. REFER TO THE CROSS SECTIONS SHEETS FOR ADDITIONAL INFORMATION RELATING TO ELEVATIONS AND SLOPES.
4. REFER TO THE STRUCTURAL SHEETS FOR ADDITIONAL INFORMATION.



FILE NAME = W:\Projects\2015\150274_RaymondSt\FRTPH\1\cadd\Civil\09n\Sha\GR_TUNNEL_01.dgn

WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparris	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

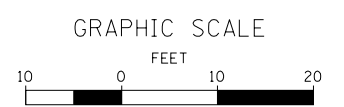
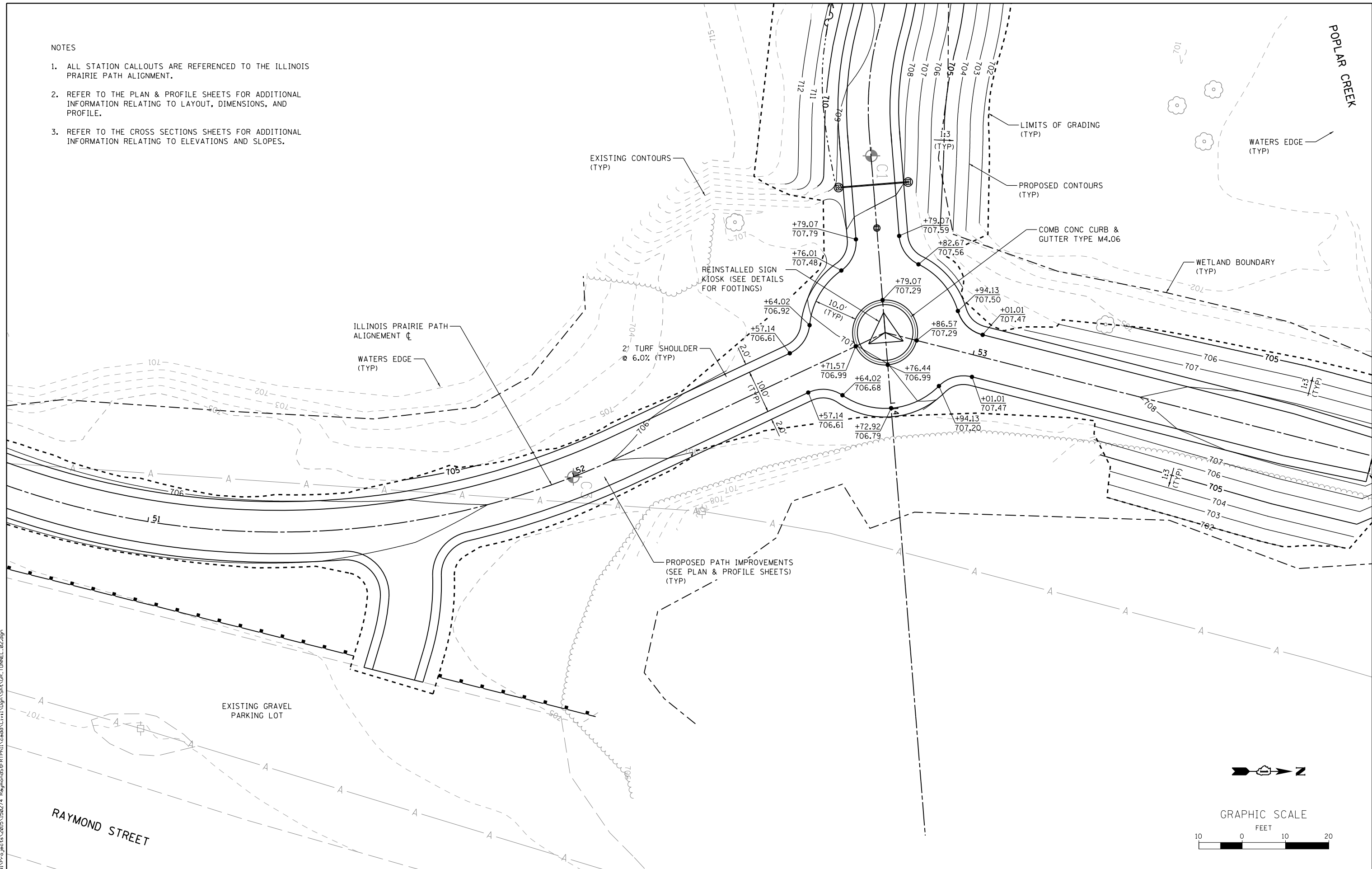
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GRADING PLAN	
FOX RIVER TRAIL & TUNNEL	
SCALE: 1"=10'	STATIONING: STA. TO STA.
SHEET NO. 2	OF 3 SHEETS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	43
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

NOTES

1. ALL STATION CALLOUTS ARE REFERENCED TO THE ILLINOIS PRAIRIE PATH ALIGNMENT.
2. REFER TO THE PLAN & PROFILE SHEETS FOR ADDITIONAL INFORMATION RELATING TO LAYOUT, DIMENSIONS, AND PROFILE.
3. REFER TO THE CROSS SECTIONS SHEETS FOR ADDITIONAL INFORMATION RELATING TO ELEVATIONS AND SLOPES.



FILE NAME = W:\Projects\2015\150274_RaymondStFRTPH\1\cadd\Civil\0gpr\Sha\GR_TUNNEL_02.dgn



WBK ENGINEERING, LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

USER NAME = nparris
PLOT SCALE = 1:20
PLOT DATE = 3/21/2019

DESIGNED - SBP
DRAWN - NDP
CHECKED - SBP
DATE - 03/21/19

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GRADING PLAN
ILLINOIS PRAIRIE PATH**
SCALE: 1"=10'
SHEET NO. 3 OF 3 SHEETS
STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	44
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

PART OF THE NORTHWEST QUARTER OF SECTION 25, TWP. 41 N., R. 08 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

LEGEND

SECTION CORNER (9, 10, 15, 16)

QUARTER CORNER

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

PROPOSED CENTERLINE

PROPOSED PERMANENT EASEMENT

PROPOSED TEMPORARY EASEMENT

EXISTING CENTERLINE

WATER LINE

RAILROAD TRACKS

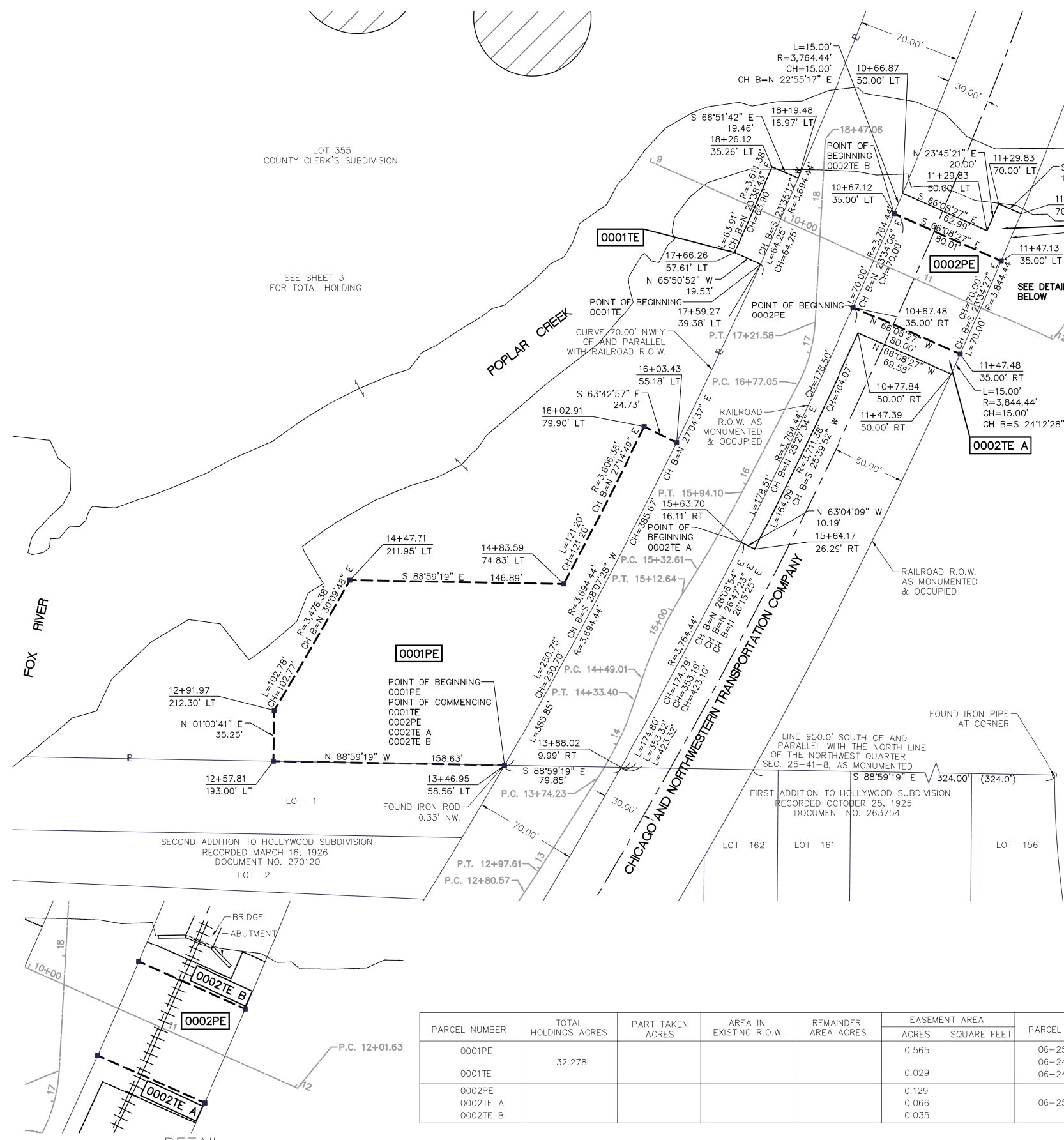
MEASURED DIMENSION (129.32')

RECORDED DIMENSION (129.32')

EXISTING BUILDING

GRAPHIC SCALE (0 to 40 FEET)

SCALE: 1" = 40'



COORDINATE TABLE
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

STATION	OFFSET	NORTHING	EASTING
12+57.81	193.00' LT	1,947,251.350	999,441.809
12+91.97	212.30' LT	1,947,286.591	999,442.431
13+46.95	58.56' LT	1,947,248.550	999,600.419
13+88.02	9.99' RT	1,947,247.141	999,680.257
14+33.40	CL	1,947,293.409	999,690.020
14+47.71	58.89' LT	1,947,375.447	999,494.070
14+49.01	CL	1,947,308.175	999,695.063
14+83.59	74.83' LT	1,947,372.854	999,640.937
15+12.64	CL	1,947,365.553	999,722.268
15+32.61	CL	1,947,382.510	999,732.813
15+63.70	16.11' RT	1,947,401.257	999,762.715
15+64.17	26.29' RT	1,947,396.641	999,771.801
15+94.10	CL	1,947,435.917	999,763.247
16+02.91	79.90' LT	1,947,480.602	999,696.424
16+03.43	55.18' LT	1,947,469.651	999,718.597
16+77.05	CL	1,947,509.516	999,801.519
17+21.58	CL	1,947,552.140	999,813.200
17+59.27	39.52' LT	1,947,591.950	999,775.971
17+66.26	57.61' LT	1,947,599.940	999,758.152
18+19.48	16.97' LT	1,947,650.831	999,801.679
18+26.12	35.26' LT	1,947,658.479	999,783.782
18+47.06	CL	1,947,677.424	999,820.153
9+00.00	CL	1,947,662.171	999,700.439
10+66.87	50.00' LT	1,947,640.400	999,873.278
10+67.12	35.00' LT	1,947,626.582	999,867.435
10+67.48	35.00' RT	1,947,562.420	999,839.446
10+77.84	50.00' RT	1,947,544.529	999,842.861
11+29.83	50.00' LT	1,947,614.922	999,930.883
11+29.83	70.00' LT	1,947,633.227	999,938.940
11+46.48	70.00' LT	1,947,626.493	999,954.167
11+47.13	35.00' LT	1,947,594.220	999,940.606
11+47.39	50.00' RT	1,947,516.380	999,906.459
11+47.48	35.00' RT	1,947,530.061	999,912.601
12+01.63	CL	1,947,540.164	999,976.297

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999952584.

AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - ⊕ CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - STAKING OF PROPOSED RIGHT-OF-WAY. SET DESIGNATION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - RIGHT-OF-WAY STAKING PROPOSED TO BE SET
- STATE OF ILLINOIS)
JSS
COUNTY OF KANE)

THIS IS TO CERTIFY THAT I, DONALD RERICKA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WBK ENGINEERING, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.007317), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 25, TOWNSHIP 41 NORTH, RANGE 08 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS, THAT THE SURVEY IS TRUE AND COMPLETE-AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ST. CHARLES, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
LICENSE EXPIRATION DATE: _____

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FOX RIVER TRAIL

LIMITS: AT RAYMOND STREET COUNTY: KANE
SECTION: 14-F300-07-BT JOB NO.: R-55-001-97
STA. 12+57.81 TO STA. 18+26.12
SCALE: 1"=40' SHEET 2 OF 4 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0001PE					0.565		06-25-126-011
0001TE	32.278				0.029		06-24-376-001
0002PE					0.129		06-24-376-002
0002TE A					0.066		
0002TE B					0.035		06-25-502-006

REVISION DATE: ___/___/___ REVISION MADE BY: _____



WBK ENGINEERING, LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

USER NAME = nparris
DESIGNED -
DRAWN -
CHECKED -
DATE - 03/21/19

PLOT SCALE = 1:800
PLOT DATE = 3/21/2019

DESIGNED -
DRAWN -
CHECKED -
DATE - 03/21/19

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAY
FOR REFERENCE ONLY

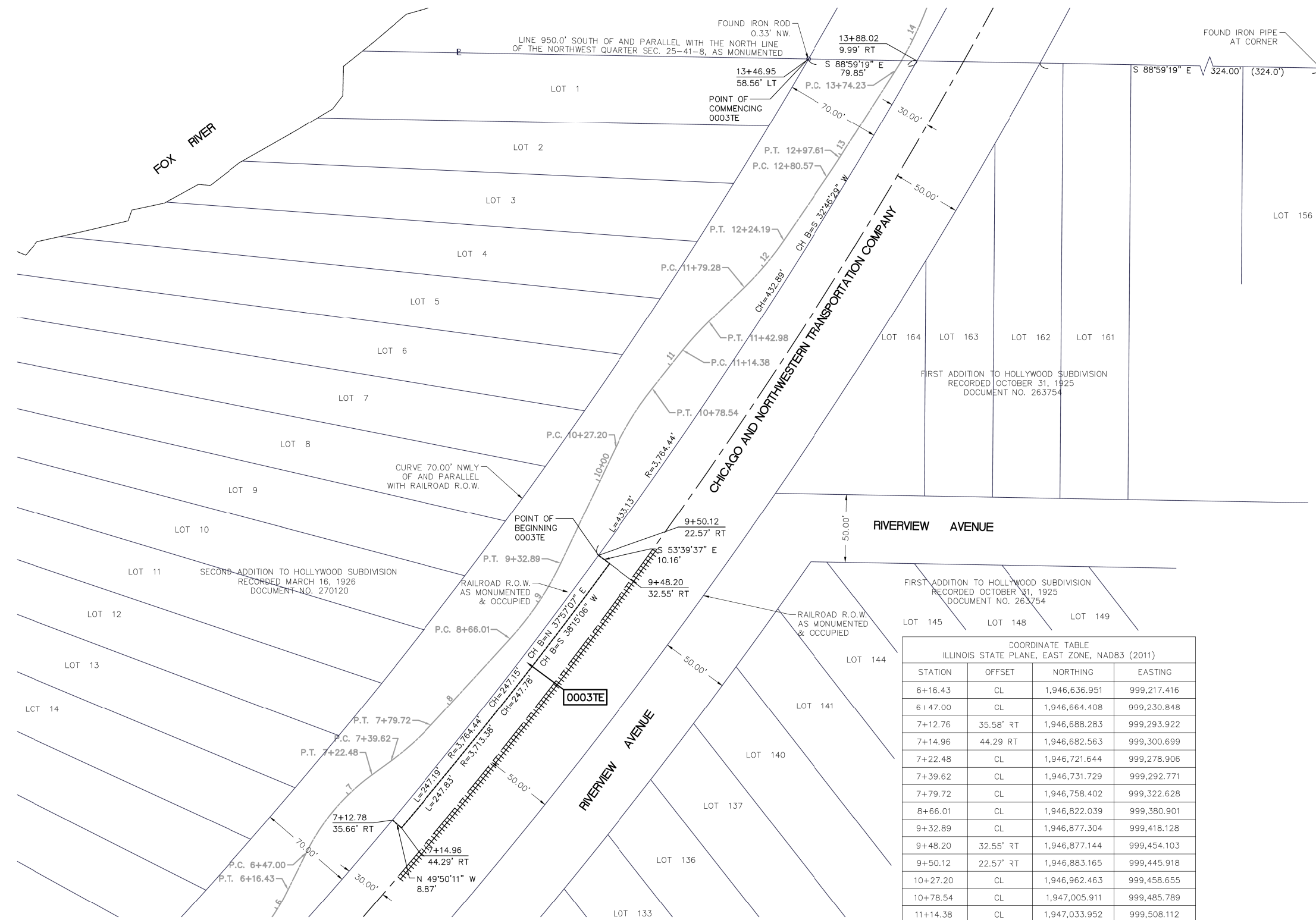
SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-F3000-07-BT	KANE	109	45

CONTRACT NO. ILLINOIS FED. AID PROJECT

FILE NAME = W:\Projects\2015\150274_RaymondStFRTH\11\ceadd\Cv\1\0gpr\SHA\FDW_01.dgn

PART OF THE NORTHWEST QUARTER OF SECTION 25, TWP. 41 N., R. 08 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER 16 SECTION CORNER

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 PROPOSED CENTERLINE
 PROPOSED PERMANENT EASEMENT
 PROPOSED TEMPORARY EASEMENT
 EXISTING CENTERLINE
 WATER LINE
 RAILROAD TRACKS

MEASURED DIMENSION (129.32')
 RECORDED DIMENSION (129.32')

EXISTING BUILDING

GRAPHIC SCALE
 FEET 0 40
 SCALE: 1" = 40'

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9998952584.
- AREAS SHOWN ON PLAT ARE GROUND.
- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - ⊕ CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - RIGHT-OF-WAY STAKING PROPOSED TO BE SET
- STATE OF ILLINOIS)
)SS
 COUNTY OF KANE)

COORDINATE TABLE
 ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

STATION	OFFSET	NORTHING	EASTING
6+16.43	CL	1,946,636.951	999,217.416
6+47.00	CL	1,946,664.408	999,230.848
7+12.76	35.58' RT	1,946,688.283	999,293.922
7+14.96	44.29 RT	1,946,682.563	999,300.699
7+22.48	CL	1,946,721.644	999,278.906
7+39.62	CL	1,946,731.729	999,292.771
7+79.72	CL	1,946,758.402	999,322.628
8+66.01	CL	1,946,822.039	999,380.901
9+32.89	CL	1,946,877.304	999,418.128
9+48.20	32.55' RT	1,946,877.144	999,454.103
9+50.12	22.57' RT	1,946,883.165	999,445.918
10+27.20	CL	1,946,962.463	999,458.655
10+78.54	CL	1,947,005.911	999,485.789
11+14.38	CL	1,947,033.952	999,508.112
11+42.98	CL	1,947,055.139	999,527.298
11+79.28	CL	1,947,080.443	999,553.324
12+24.19	CL	1,947,114.743	999,582.195
12+80.57	CL	1,947,161.284	999,614.026
12+97.61	CL	1,947,175.506	999,623.402
13+74.23	CL	1,947,240.184	999,664.477

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
0003TE					0.054		06-25-502-004

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FOX RIVER TRAIL

LIMITS: AT RAYMOND STREET COUNTY: KANE
 SECTION: 14-F300-07-BT JOB NO.: R-55-001-97
 STA. 7+12.06 TO STA. 9+50.47
 SCALE: 1"=40' SHEET 3 OF 4 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

FILE NAME = W:\Projects\2015\150274_RaymondSt\FRPH\1\ceadd\Cv\1\0gr\SHA\FDW_02.dgn

REVISION DATE: ___/___/___ REVISION MADE BY: _____

WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparris	DESIGNED -	REVISED -
PLOT SCALE = 1:80	DRAWN -	REVISED -
PLOT DATE = 3/21/2019	CHECKED -	REVISED -
	DATE - 03/21/19	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAY
 FOR REFERENCE ONLY

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-F3000-07-BT	KANE	109	46

CONTRACT NO.
 ILLINOIS FED. AID PROJECT

PART OF THE SOUTHWEST QUARTER OF SECTION 24, AND THE NORTHWEST QUARTER OF SECTION 25, TWP. 41 N., R. 08 E. OF THE 3RD. P.M., IN KANE COUNTY, ILLINOIS.

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 PROPOSED CENTERLINE
 PROPOSED PERMANENT EASEMENT
 PROPOSED TEMPORARY EASEMENT
 EXISTING CENTERLINE
 WATER LINE
 RAILROAD TRACKS

MEASURED DIMENSION (129.32')
 RECORDED DIMENSION (129.32')

EXISTING BUILDING

GRAPHIC SCALE
 FEET
 0 200
 SCALE: 1" = 200'

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9998952584.

AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- ⊕ CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT-OF-WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT-OF-WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER IDENTIFIED BY COLORED PLASTIC BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT-OF-WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
 COUNTY OF KANE)

THIS IS TO CERTIFY THAT I, DONALD RERICKA, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WBK ENGINEERING, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.007317), HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 24 & 25, TOWNSHIP 41 NORTH, RANGE 08 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS, THAT THE SURVEY IS TRUE AND COMPLETE-AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ST. CHARLES, ILLINOIS THIS ____ DAY OF _____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003465
 LICENSE EXPIRATION DATE: _____

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

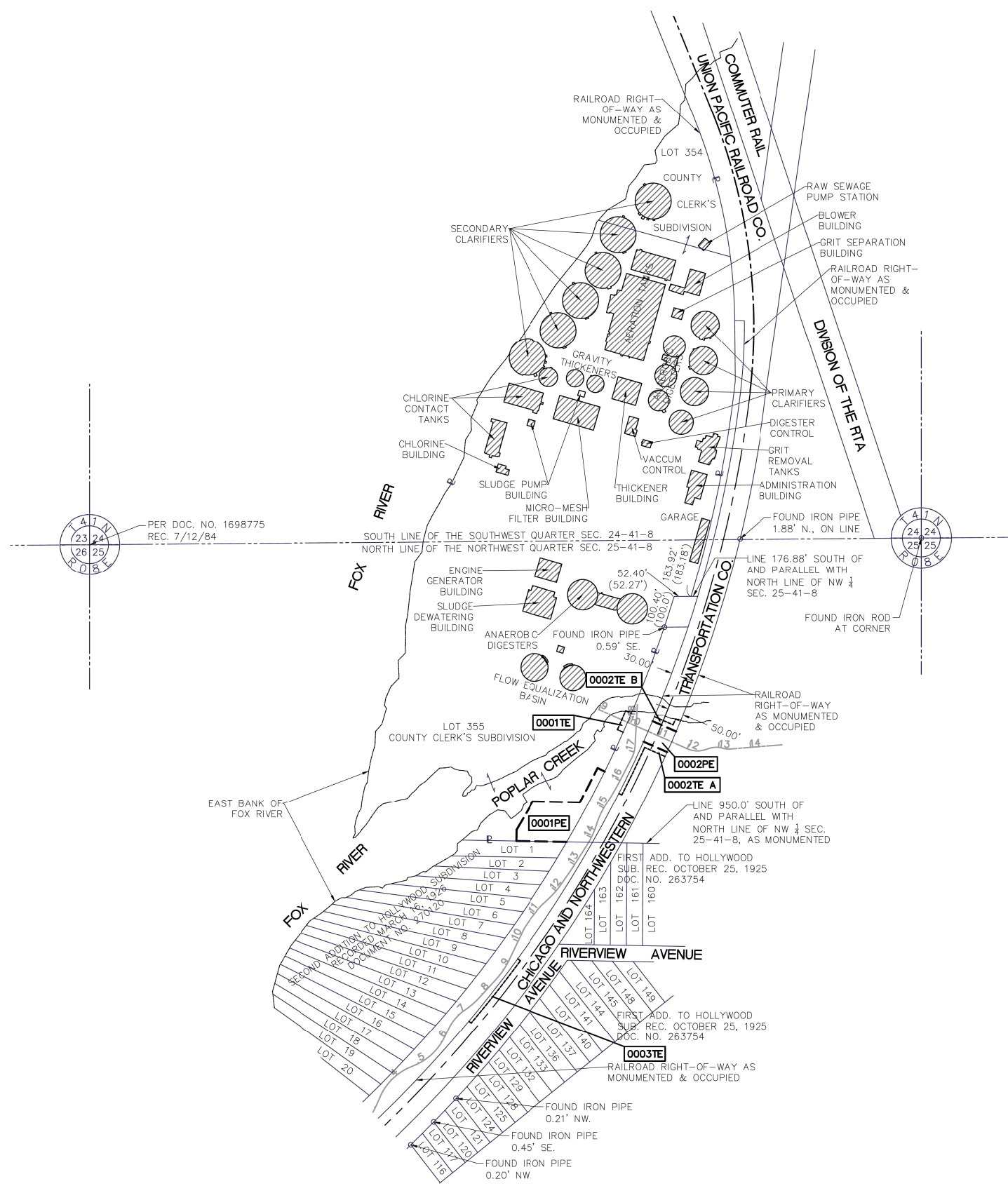
PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 FOX RIVER TRAIL

LIMITS: AT RAYMOND STREET COUNTY: KANE
 SECTION: 14-F300-07-BT JOB NO.: R-55-001-97
 STA. TO STA.
 SCALE: 1"=200' SHEET 4 OF 4 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

ILLINOIS DOT USE ONLY



PER DOC. NO. 1698775
 REC. 7/12/84

REVISION DATE: ___/___/___ REVISION MADE BY: _____

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAY
 FOR REFERENCE ONLY

SCALE: SHEET NO. 3 OF 3 SHEETS STA. TO STA.

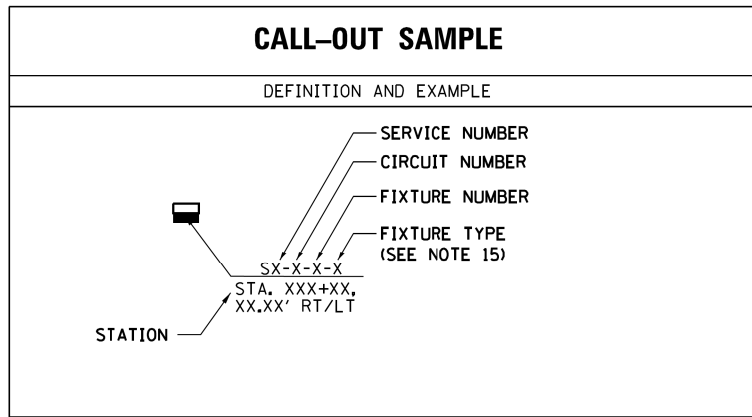
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-F3000-07-BT	KANE	109	47
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME	DESIGNED	REVISED
nparris	-	-
DRAWN	CHECKED	REVISIED
-	-	-
PLOT SCALE	DATE	REVISIED
1:800	03/21/19	-
PLOT DATE	DATE	REVISIED
3/21/2019	03/21/19	-

FILE NAME = W:\Projects\2015\150274_RaymondStFRPH\1\cadd\Cv1\0gpr\Sha\FDW_03.dgn

LIGHTING AND ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
	LUMINAIRE MOUNTED TO TUNNEL ROOF OR ABUTMENTS SHOWN ON PLANS
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
	PROPOSED CABLE OR UNIT DUCT IN CONCEALED CONDUIT, SIZE AND TYPE AS NOTED
	PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED
	LIGHTING CONTROLLER, PEDESTAL MOUNTED



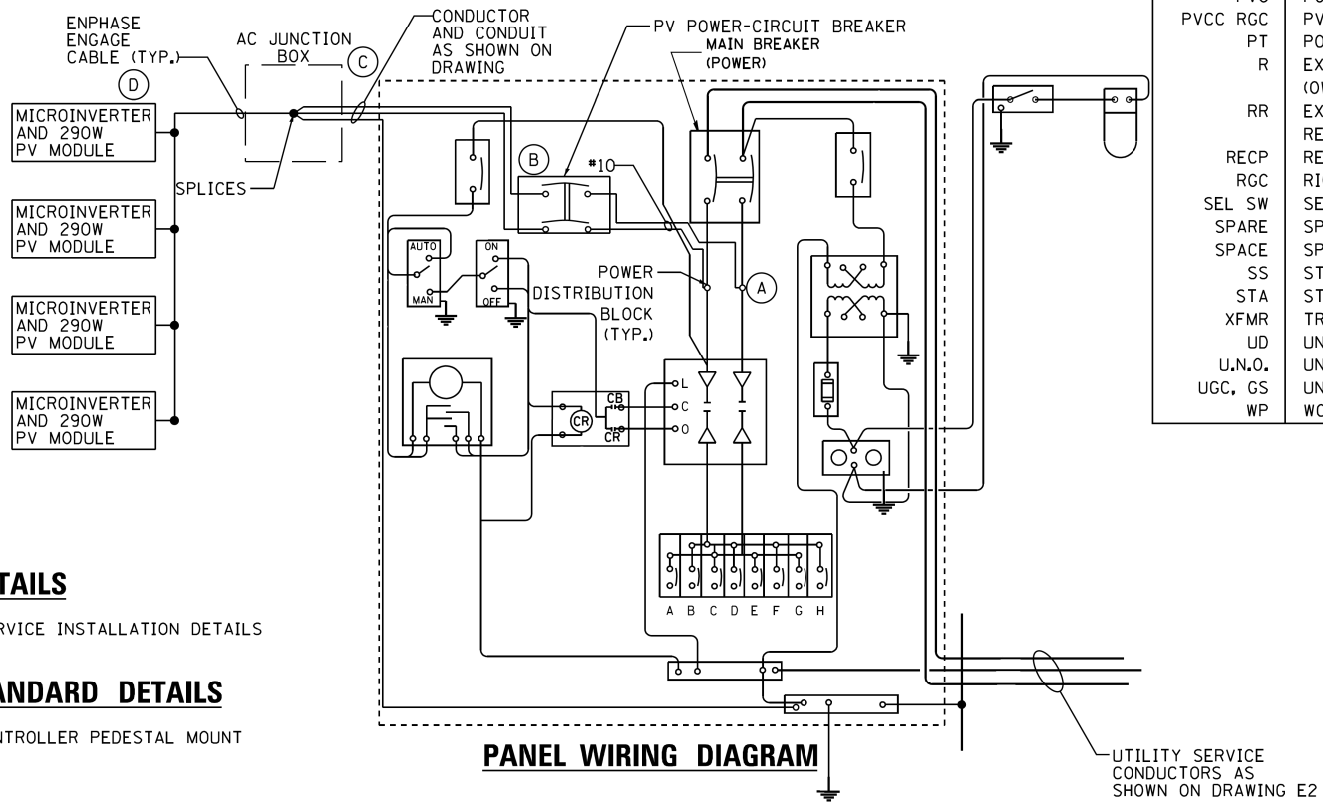
ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LTFM	LIQUID TIGHT FLEXIBLE METALLIC
LPS	LOW PRESSURE SODIUM
M	METER
MA	MAST ARM
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSANGER WIRE
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC	PVC COATED RIGID GALVANIZED CONDUIT
RGC	RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
XFMR	TRANSFORMER
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUIT, GALVANIZED STEEL
WP	WOOD POLE

GENERAL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.
- ALL NEW CONDUITS, UNIT DUCTS AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL BE APPROVED BY THE ENGINEER.
- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL THE LIGHTS FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRE CONSTRUCTION INSPECTION. THE EXACT LOCATION OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
- GROUNDING CONNECTIONS AT THE CONTROLLER FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE OBSERVED AND APPROVED BY THE ENGINEER PRIOR TO CONCRETE POURING OR BACKFILLING, AS APPLICABLE.
- THE CONTRACTOR SHALL FURNISH AND INSTALL LUMINAIRE LAMPS IN ACCORDANCE WITH THE SUPPLIERS RECOMMENDATIONS AND IN ACCORDANCE WITH THE SPECIFICATIONS. THE COST OF THIS WORK AND MATERIAL SHALL BE INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
- ALL LUMINAIRE'S SHALL BE ORIENTED WITH THE OPTICS PARALLEL TO THE PATH UNLESS NOTED OTHERWISE OR DIRECTED BY THE ENGINEER. THE LUMINAIRE'S MAY REQUIRE NIGHT-TIME OPTICAL ADJUSTMENT UPON INSPECTION BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.
- CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30 INCH DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF UNIT DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST TO THE FOREST PRESERVE DISTRICT OF KANE COUNTY. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE AS PART OF THE UNDERGROUND CONDUIT OR UNIT DUCT. THE INSTALLATION OF THE TAPE SHALL BE OBSERVED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
- WHERE THE CONTRACTORS EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO FURTHER EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE PAY ITEM.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUITS, FOUNDATIONS AND UNIT DUCTS WITH THE ROADWAY, DRAINAGE, CURB, AND SIDEWALK WORK AND UNDERGROUND UTILITIES.
- SPLICING OF CONDUCTORS SHALL BE IN LIGHT FIXTURES OR ABOVE-GRADE WEATHER TIGHT JUNCTION BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.
- ALL MEASUREMENTS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY MEASUREMENTS IN THE FIELD.
- INSTALL ELECTRIC UTILITY SERVICES PER IDOT STANDARD DETAIL 805001-01, TYPE B
- PHOTOMETRIC DISTRIBUTIONS AND WATTAGES TO BE USED VARY DEPENDING ON LOCATION. LABELS SHOWN ON THE PLANS ARE BASED ON THE PHOTOMETRIC DISTRIBUTION AND WATTAGE TABLE.
- LIGHTING CONTROLLER, PEDESTAL MOUNT SHALL BE PROVIDED AS SHOWN IN IDOT DISTRICT 1 STANDARD DETAIL BE-210. THIS LIGHTING CONTROLLER SHALL THEN BE MODIFIED BY THE SOLAR EQUIPMENT SUPPLIER AS SHOWN IN THE PANEL WIRING DIAGRAM ON THIS SHEET. LIGHTING CONTROLLER, PEDESTAL MOUNT SUPPLIER SHALL COORDINATE WITH SOLAR EQUIPMENT SUPPLIER SUCH THAT SUFFICIENT ROOM IS AVAILABLE IN THE LIGHTING CONTROLLER, PEDESTAL MOUNT TO ACCOMMODATE REQUIRED EQUIPMENT.

ITEM	UNIT	TOTAL QUANTITY
ELECTRIC UTILITY SERVICE CONNECTION (80400200)	L SUM	1
SERVICE INSTALLATION, TYPE B (80500200)	EACH	1
UNDERGROUND CONDUIT, PVC, 3/4" DIA. (81028310)	FOOT	242
UNDERGROUND CONDUIT, PVC, 3" DIA. (81028370)	FOOT	441
CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., PVC COATED GALVANIZED STEEL (81100220)	FOOT	21
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., ALUMINUM (81100580)	FOOT	96
CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL (81100805)	FOOT	36
CONDUIT EMBEDDED IN STRUCTURE, 3/4" DIA., PVC (81200200)	FOOT	124
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10 (81702110)	FOOT	2206
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6 (81702130)	FOOT	488
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3 (81702145)	FOOT	1464
LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 60AMP (82500330)	EACH	1
SOLAR EQUIPMENT (X0326871)	L SUM	1
LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE (X1400094)	EACH	6

INDICATES SPECIAL PROVISION



DISTRIBUTION LABEL	DISTRIBUTION TYPE AND WATTAGE	QUANTITY
TYPE A	25W LINEAR LED, SURFACE MOUNTED	4
TYPE B	APPROXIMATELY 20W LED, WALL MOUNTED	2

IDOT STANDARD DETAILS

805001-01 ELECTRIC SERVICE INSTALLATION DETAILS

IDOT DISTRICT 1 STANDARD DETAILS

BE-210 LIGHTING CONTROLLER PEDESTAL MOUNT

INDEX OF DRAWINGS:

DRAWING NO.	TITLE
E1	LEGEND, ABBREVIATION, ONE-LINE DIAGRAM, GENERAL NOTES, AND INDEX OF DRAWINGS
E2	PROPOSED LIGHTING PLANS

PANEL EQUIPMENT

BILL OF MATERIAL

ITEM	QUANTITY	DESCRIPTION
A	1	POWER DISTRIBUTION BLOCK, 2 POLE, 240V., 100 AMP.
B	1	PV POWER-CIRCUIT BREAKER, 2 POLE, 240V., 100 AMP. FRAME 20 AMP. NON-INTERCHANGABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP. AT 240V.
C	1	AC JUNCTION BOX, NEMA 4X STAINLESS STEEL, WITH PAINTED STEEL BACK PANEL, TERMINAL BLOCKS INCLUDED AS NEEDED TO CONNECT TO PROPOSED ENPHASE ENGAGE CABLE.
D	4	MICROINVERTER AND 290W PV MODULE

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PLOT DATE = 7/24/2018	DATE - 03/21/19	REVISED -

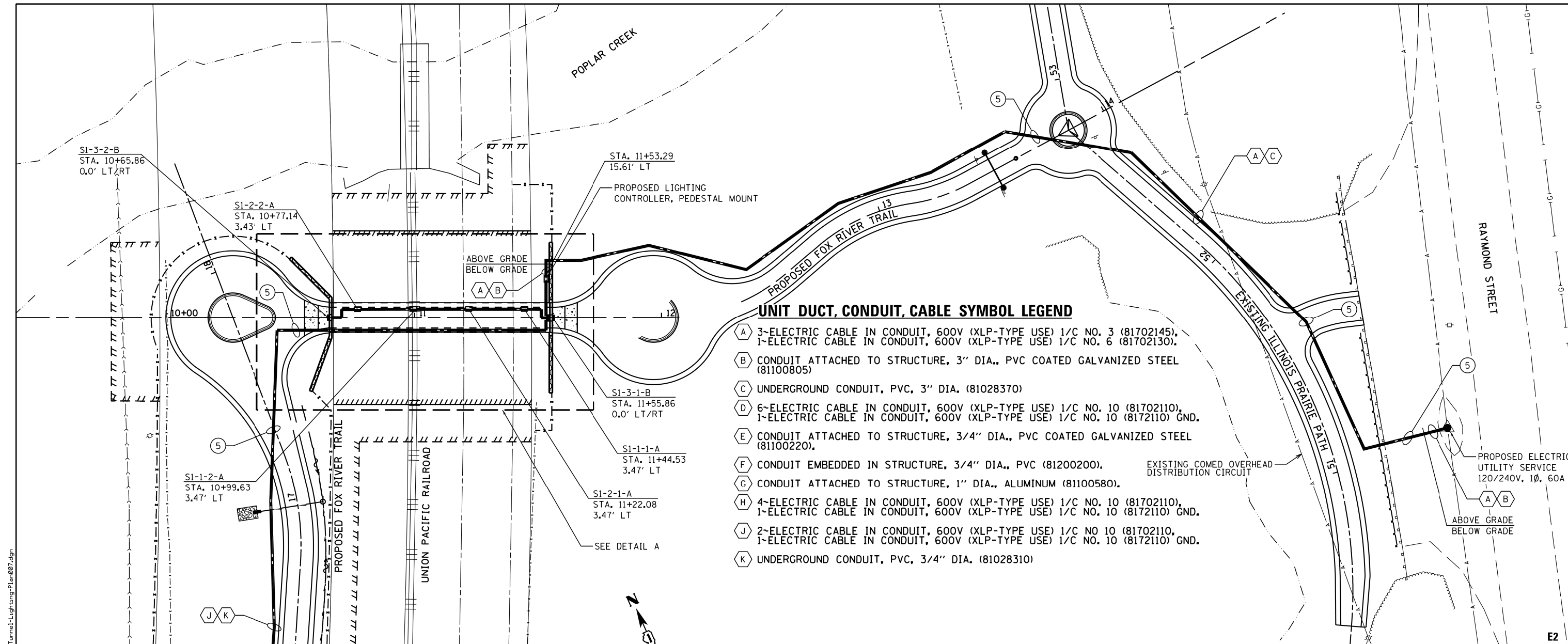
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING: LEGEND, ABBREVIATION, ONE-LINE DIAGRAM,
GENERAL NOTES, AND INDEX OF DRAWINGS

SCALE: N/A SHEET 1 OF 2 SHEETS STA. N/A TO STA. N/A

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	49
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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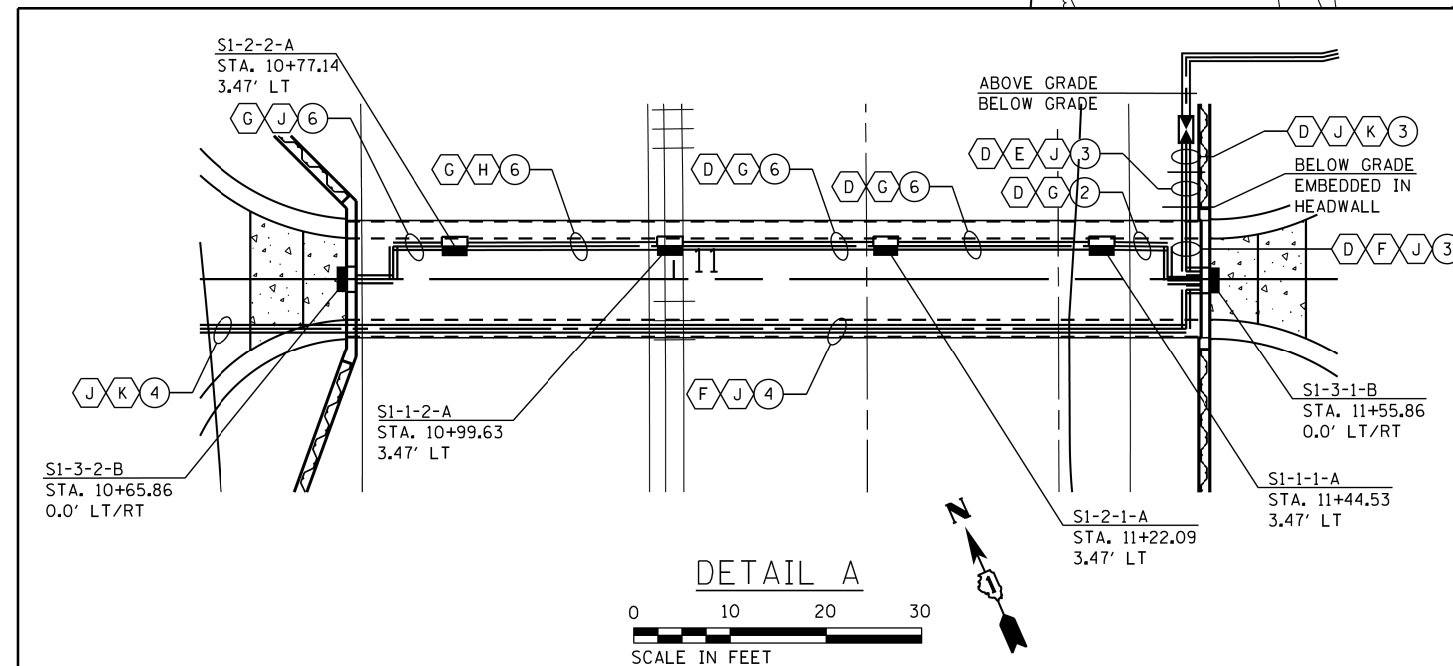


UNIT DUCT, CONDUIT, CABLE SYMBOL LEGEND

- (A) 3-ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3 (81702145), 1-ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6 (81702130).
- (B) CONDUIT ATTACHED TO STRUCTURE, 3" DIA., PVC COATED GALVANIZED STEEL (81100805)
- (C) UNDERGROUND CONDUIT, PVC, 3" DIA. (81028370)
- (D) 6-ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10 (81702110), 1-ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10 (8172110) GND.
- (E) CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., PVC COATED GALVANIZED STEEL (81100220).
- (F) CONDUIT EMBEDDED IN STRUCTURE, 3/4" DIA., PVC (81200200).
- (G) CONDUIT ATTACHED TO STRUCTURE, 1" DIA., ALUMINUM (81100580).
- (H) 4-ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10 (81702110), 1-ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10 (8172110) GND.
- (J) 2-ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10 (81702110), 1-ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10 (8172110) GND.
- (K) UNDERGROUND CONDUIT, PVC, 3/4" DIA. (81028310)

KEY NOTES:

- 1 PV SYSTEM COMPONENTS SHALL BE MOUNTED ON TOP OF PROPOSED SHELTER AT THIS LOCATION. PV SYSTEM SUPPLIER SHALL PROVIDE ALL EQUIPMENT AND DEVICES REQUIRED FOR A COMPLETE PHOTOVOLTAIC SYSTEM, INCLUDING BUT NOT LIMITED TO MICROINVERTERS, PV MODULES, SUPPORT STRUCTURE, PV CABLING, AC JUNCTION BOX, AND ASSOCIATED HARDWARE.
- 2 CONDUIT SHALL BE EMBEDDED IN HEADWALL TO THE POINT WHERE IT IS AT THE SAME OFFSET AS THE PROPOSED LUMINAIRES, AT WHICH POINT IT SHALL TURN TOWARDS THE LUMINAIRES, AND ENTER INTO THE TUNNEL STRUCTURE DIRECTLY THROUGH THE CASING.
- 3 PROVIDE 2~3/4" CONDUITS, ONE FOR SOLAR SUPPLY CONDUCTORS (2~*10,1~*10 GND) AND THE OTHER FOR LIGHTING CONDUCTORS. (6~*10,1 *10 GND).
- 4 CONDUIT SHALL BE EMBEDDED IN HEADWALL TO LIGHT FIXTURE S1-3-1-B AND SHALL THEREAFTER BE EMBEDDED IN THE TUNNEL FLOOR FOR THE ENTIRE LENGTH OF THE TUNNEL, AFTER WHICH IT SHALL TRANSITION TO UNDERGROUND CONDUIT TO THE PV MODULES.
- 5 RIGID NONMETALLIC CONDUIT USED UNDER PAVED PATH OR AGGRAGATE DRIVEWAY SHALL BE SCHEDULE 80.
- 6 CONDUIT, ELECTRICAL BOXES, AND SUPPORTS SHALL BE PAINTED TO MATCH THE COLOR OF THE SURFACE TO WHICH IT IS MOUNTED. PAINT MATERIAL, SURFACE PREPARATION, AND APPLICATION SHALL BE PER THE ANTI-GRAFFITI PROTECTION SYSTEM SPECIFICATION AND SHALL BE PAID FOR AS PART OF THE CONDUIT ATTACHED TO STRUCTURE PAY ITEM.



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PLOT SCALE = *SCALE*	CHECKED - AJ5	REVISED -
PLOT DATE = 7/24/2018	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED LIGHTING
FOX RIVER TRAIL**

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

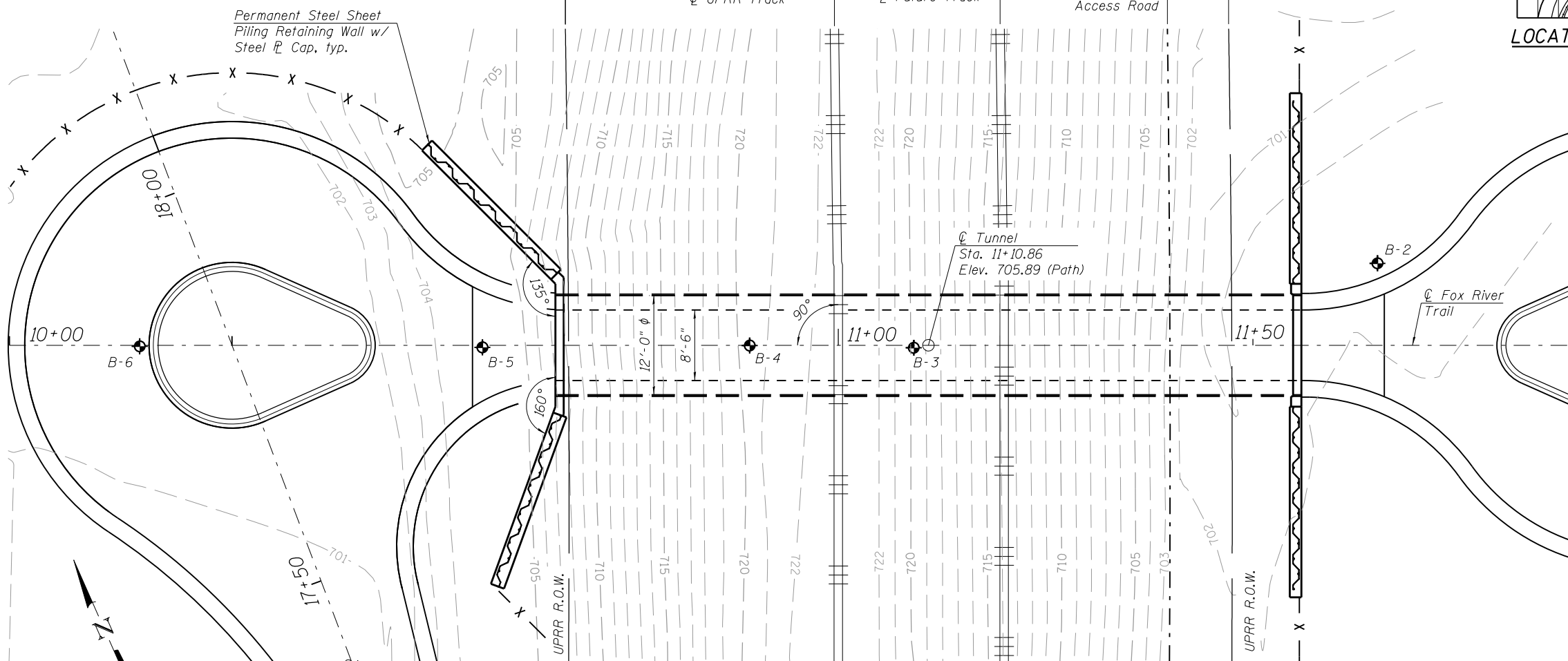
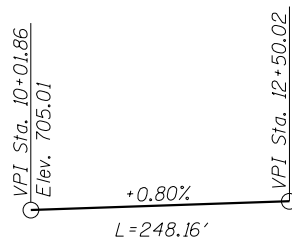
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	50
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

Benchmark: Chiseled "X" on top of concrete light pole foundation near east edge of Union Pacific Railroad south abutment, Elevation 704.14.

Existing Structure: None

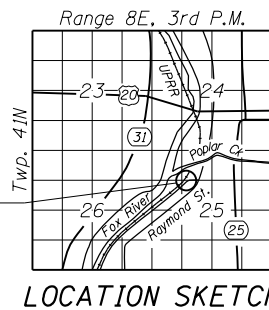
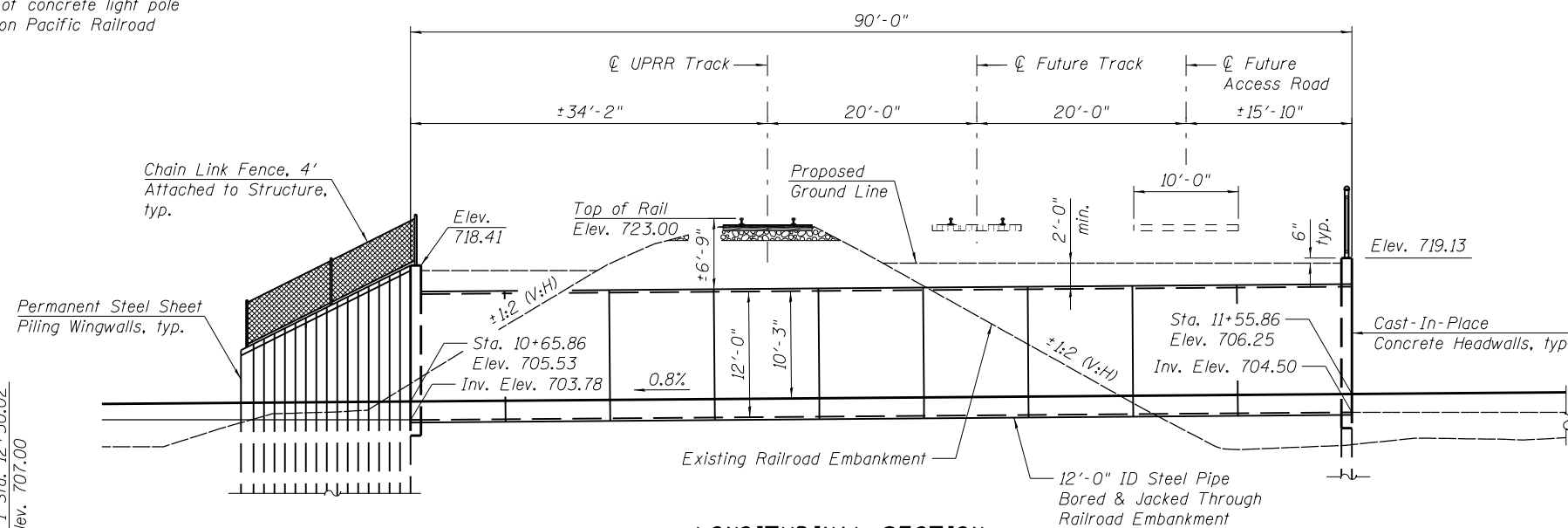
PROFILE GRADE

(Along \bar{C} Fox River Trail Re-route)



PLAN

LONGITUDINAL SECTION



LOCATION SKETCH

DESIGN SPECIFICATIONS

2015 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2016 Interim Revisions
AREMA 2016 Manual for Railway Engineering
Union Pacific Railroad Standards and Guidelines

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 42,000$ psi Minimum (Steel Casing Pipe)
 $f_y = 50,000$ psi (Permanent Steel Sheet Piling)

COOPER E80 RAILROAD LIVE LOAD

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.072
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.152
Soil Site Class = D

INDEX OF SHEETS

1. General Plan & Elevation
2. Grouting Details
3. General Notes
4. Tunnel Construction - Stage I
5. Tunnel Construction - Stage II
6. Tunnel Construction - Stage III
7. Tunnel Construction - Stage IV
8. Tunnel Section & Details
9. Tunnel Floor Details
10. East End Section Details
11. West End Section Details
12. Fencing Details
13. Controlled Low-Strength Material Plan
14. Typical Sections - Tunnel Embankment
15. Soil Boring Log I
16. Soil Boring Log II

David L. Smoot

License No. 081-005861
Date: July 19, 2018
License Expires: November 30, 2020



I certify that to the best of my knowledge, information and belief, the structure and design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Bridge Design Specifications".

GENERAL PLAN
BICYCLE/PEDESTRIAN TUNNEL
UNDER UNION PACIFIC RAILROAD TRACKS
M.P. (40.71) BELVIDERE SUB
FOX RIVER TRAIL - SEC. 14-F3000-07-BT
KANE COUNTY
STATION 11+10.86

WBK engineering
WBK ENGINEERING, LLC
116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

USER NAME = nparris	DESIGNED - JMM	REVISED -
PLOT SCALE = 1:116	CHECKED - DLS	REVISED -
PLOT DATE = 3/21/2019	DRAWN - JMM	REVISED -
	CHECKED - DLS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAYMOND STREET FOREST PRESERVE
FOX RIVER TRAIL RE-ROUTE

SHEET NO. 1 OF 16 SHEETS

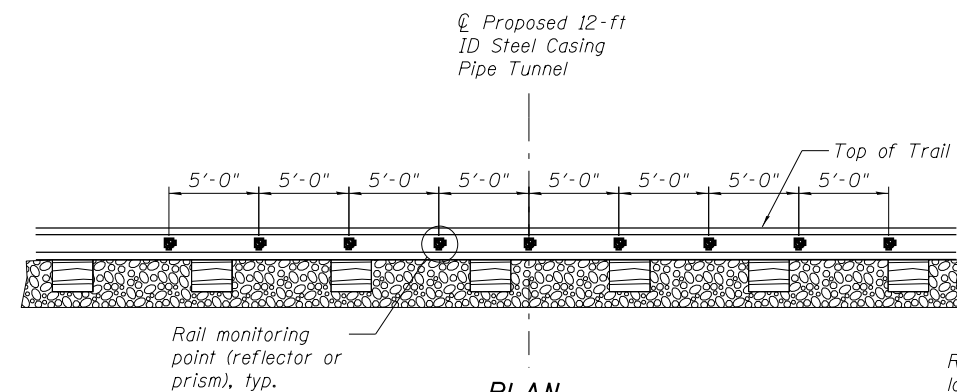
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OFF	14-F3000-07-BT	KANE	109	51
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			CONTRACT NO. 61E01	

TRACK MONITORING PROGRAM

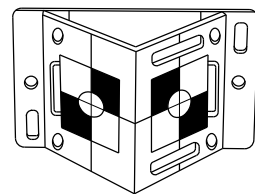
A track monitoring program will consist of providing pre-construction and post-construction track surveys and daily monitoring of the Union Pacific Railroad (UPRR) tracks for vertical and horizontal movements during operations associated with the jacking of the steel tunnel pipe. See special provisions for "Track Monitoring" and "Construction Layout (Special)" for additional information.

GROUTING PROGRAM

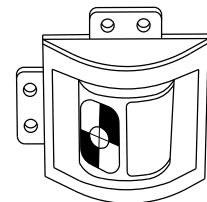
A grouting program is anticipated based on soils report (TSC L-81,966 dated May 18, 2015). See the special provision "Pressure Grouting" for additional information.



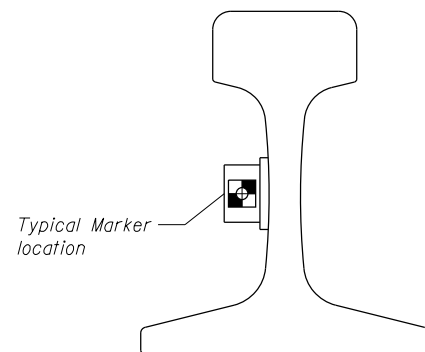
PLAN MONITORING POINTS



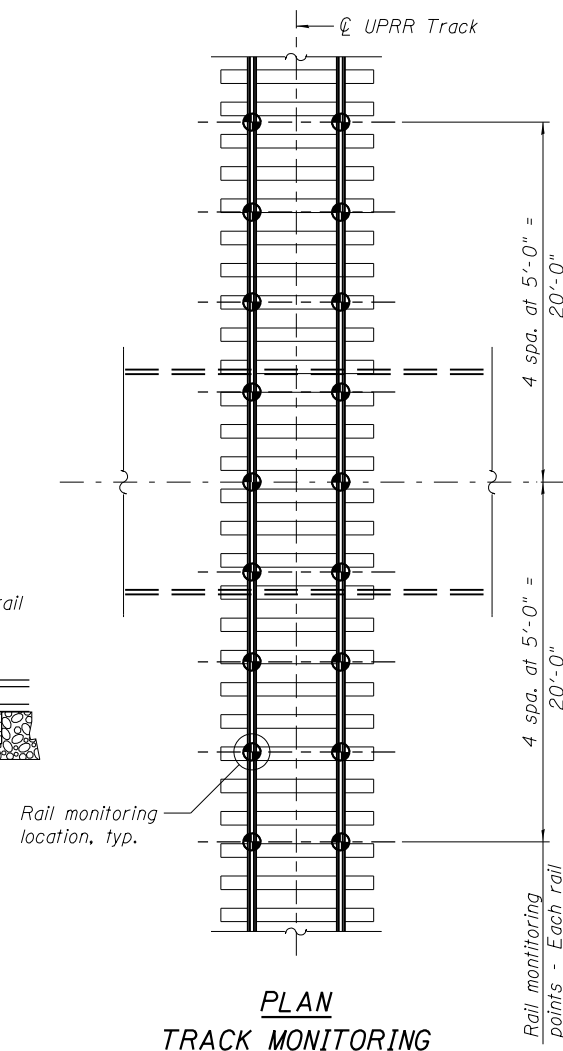
TYPICAL MULTI-DIRECTIONAL REFLECTOR



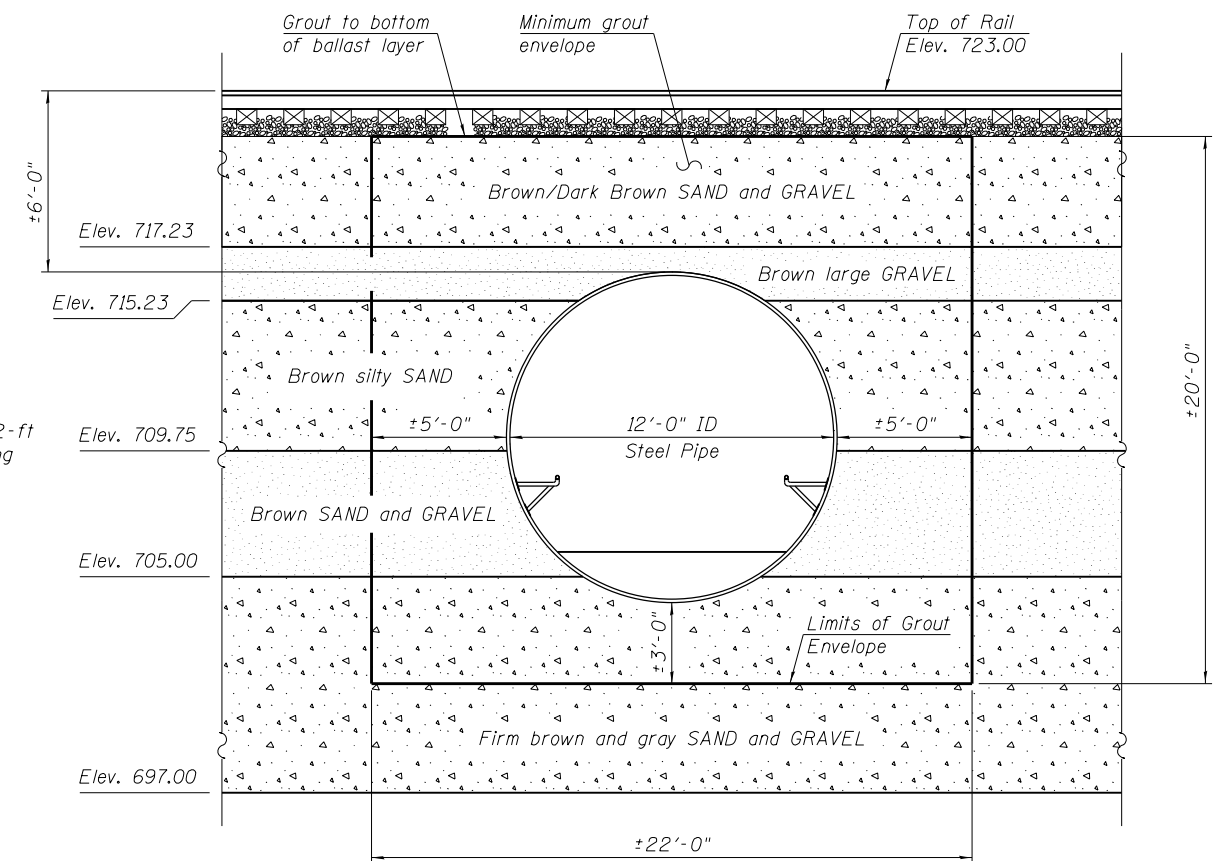
TYPICAL MULTI-DIRECTIONAL PRISM



TYPICAL MARKER INSTALLATION

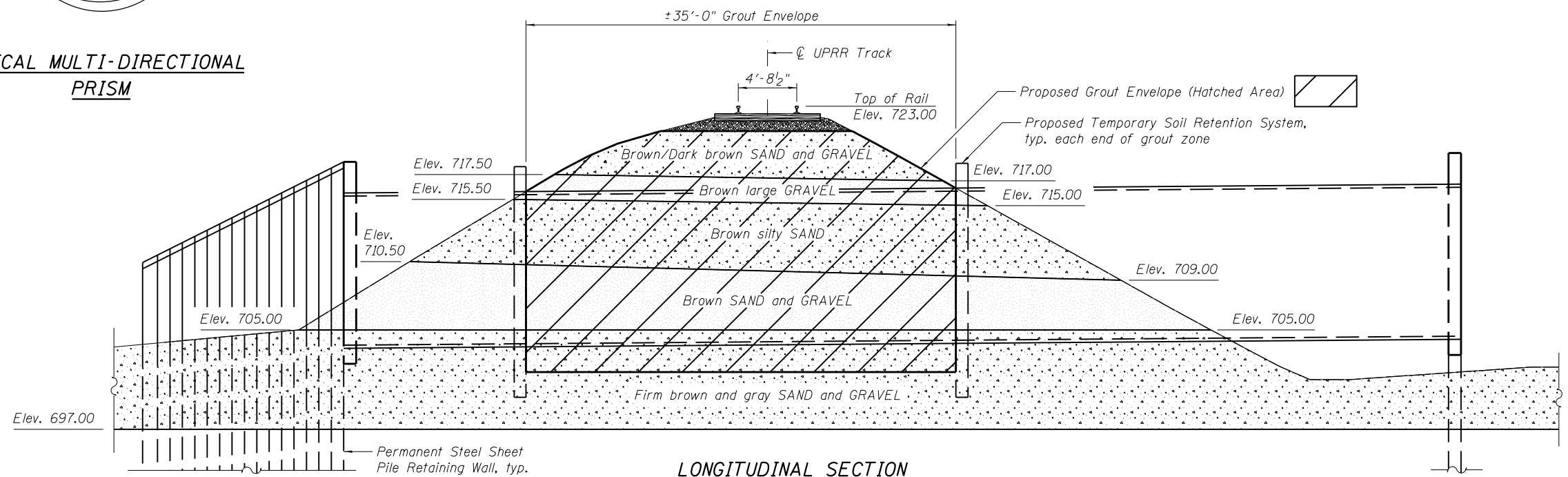


PLAN TRACK MONITORING



CROSS SECTION

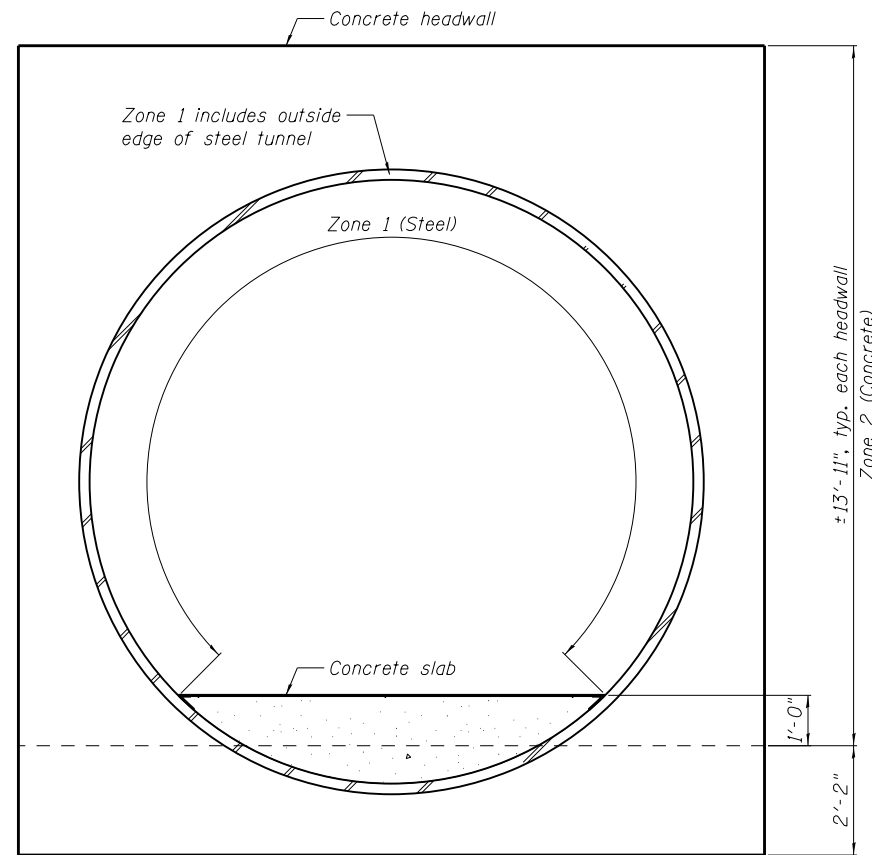
Showing Exist. Soil Conditions and Grout Envelope (Elevations are approximate at the center of proposed tunnel)



LONGITUDINAL SECTION

Showing Exist. Soil Conditions and Grout Envelope

FILE NAME = W:\Projects\2015\150274_RaymondStFRPH\1\cadd\Structural\Dgn\RaymondStTunnel-2002-Grouting_Details.dgn



SECTION THRU TUNNEL
Showing limits of Anti-Graffiti Protection System

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Structures	Cu. Yd.	47.2
Stud Shear Connectors	Each	62
Reinforcement Bars, Epoxy Coated	Pound	3410
Permanent Steel Sheet Piling	Sq. Ft.	3200
Controlled Low-Strength Material	Cu. Yd.	94.4
Anti-Graffiti Protection System	Sq. Ft.	2782
Furnish and Install Handrail	Foot	180
Chain Link Fence, 4' Attached to Structure	Foot	126.0
Steel Casing Pipe, Special, Tunneled Complete	Foot	90.0
Bulkhead Tunnel	L. Sum	1.0
Temporary Soil Retention System	L. Sum	1.0
Pressure Grouting	L. Sum	1.0
Staining Concrete Structures	Sq. Ft.	203
Formliner Textured Surface	Sq. Ft.	239

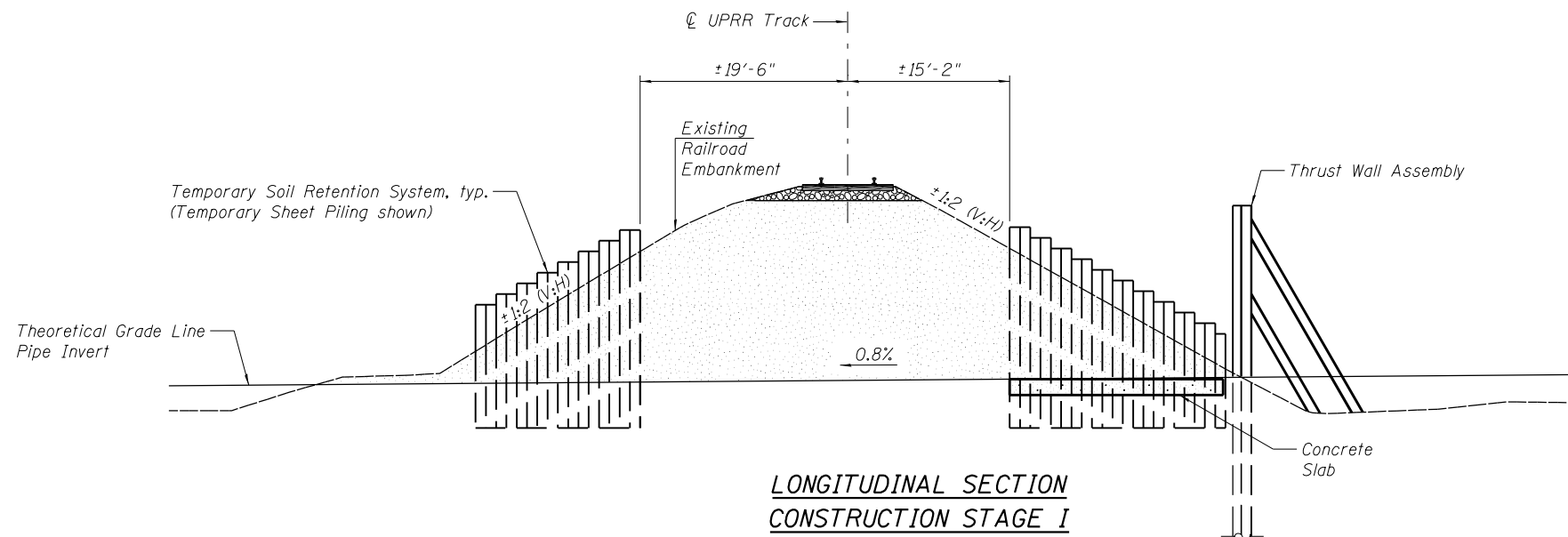
GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A706 Gr. 60.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Unless otherwise noted, all exposed concrete edges shall have a $\frac{3}{4}$ " chamfer.
4. The Anti-Graffiti Protection System shall be field applied to the steel tunnel and concrete headwalls in two separate zones as indicated on the plans. Zone 1 (Steel) represents the entire inside tunnel surface including the outside edge at the headwalls. Zone 2 (concrete) represents the entire exposed concrete surfaces up to one (1) foot below grade/the concrete slab. See special provision.
5. Excavation from inside the tunnel shall be included in the cost of "Steel Casing Pipe, Special, Tunneled Complete". See Special Provisions.

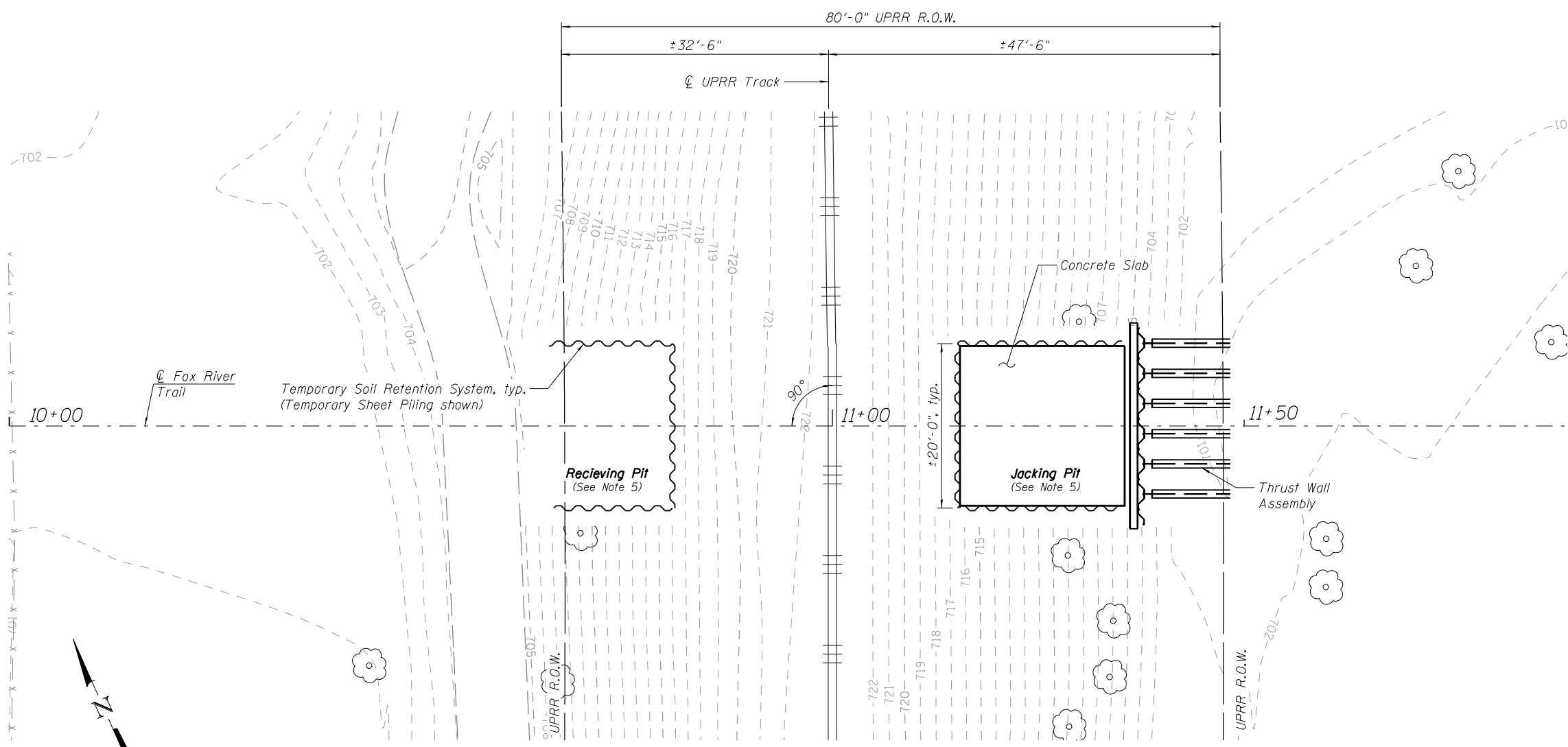
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFF	14-F3000-07-BT	KANE	109	53
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61E01	



**LONGITUDINAL SECTION
CONSTRUCTION STAGE I**



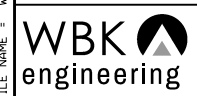
**PLAN
CONSTRUCTION STAGE I**

NOTES

CONSTRUCTION STAGE I

1. Construction Stage I is the mobilization stage and includes the installation of the soil retention systems, installation of the jacking thrust wall and installation of the concrete jacking platform slab.
2. Site preparation and installation of structural systems, soil retention systems and survey monitoring systems shall adhere to the special provisions "Bulkhead Tunnel," "Temporary Soil Retention System," "Steel Casing Pipe, Special, Tunneled Complete" and "Track Monitoring."
3. Temporary Sheet Piling is shown as a suggested type of Temporary Soil Retention System, however, the Contractor may submit for approval to the Engineer and UPRR an alternative system that conforms to the special provision "Temporary Soil Retention System."
4. Concrete platform slab is shown in the Jacking Pit only. If the Contractor requires a similar slab in the receiving pit, this will not be paid for separately but included in the cost for "Bulkhead Tunnel."
5. Excavation of the railroad embankment, including any necessary undercuts as required within the jacking and receiving pits shall not be paid for separately but included in the cost for "Bulkhead Tunnel". See Civil Sheets 18 & 19 for additional undercuts and subgrade improvements that are to be paid for separately.

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PLOT SCALE = 1:16
PLOT DATE = 3/21/2019

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

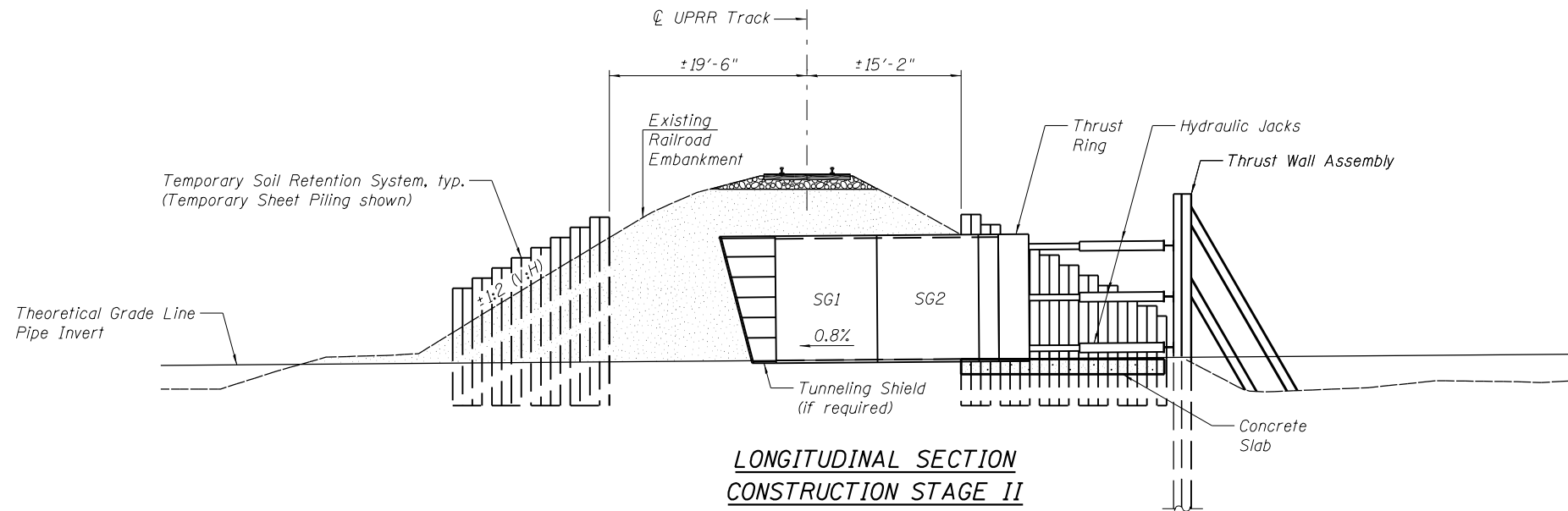
**TUNNEL CONSTRUCTION - STAGE I
FOX RIVER TRAIL RE-ROUTE**

SHEET NO. 4 OF 16 SHEETS

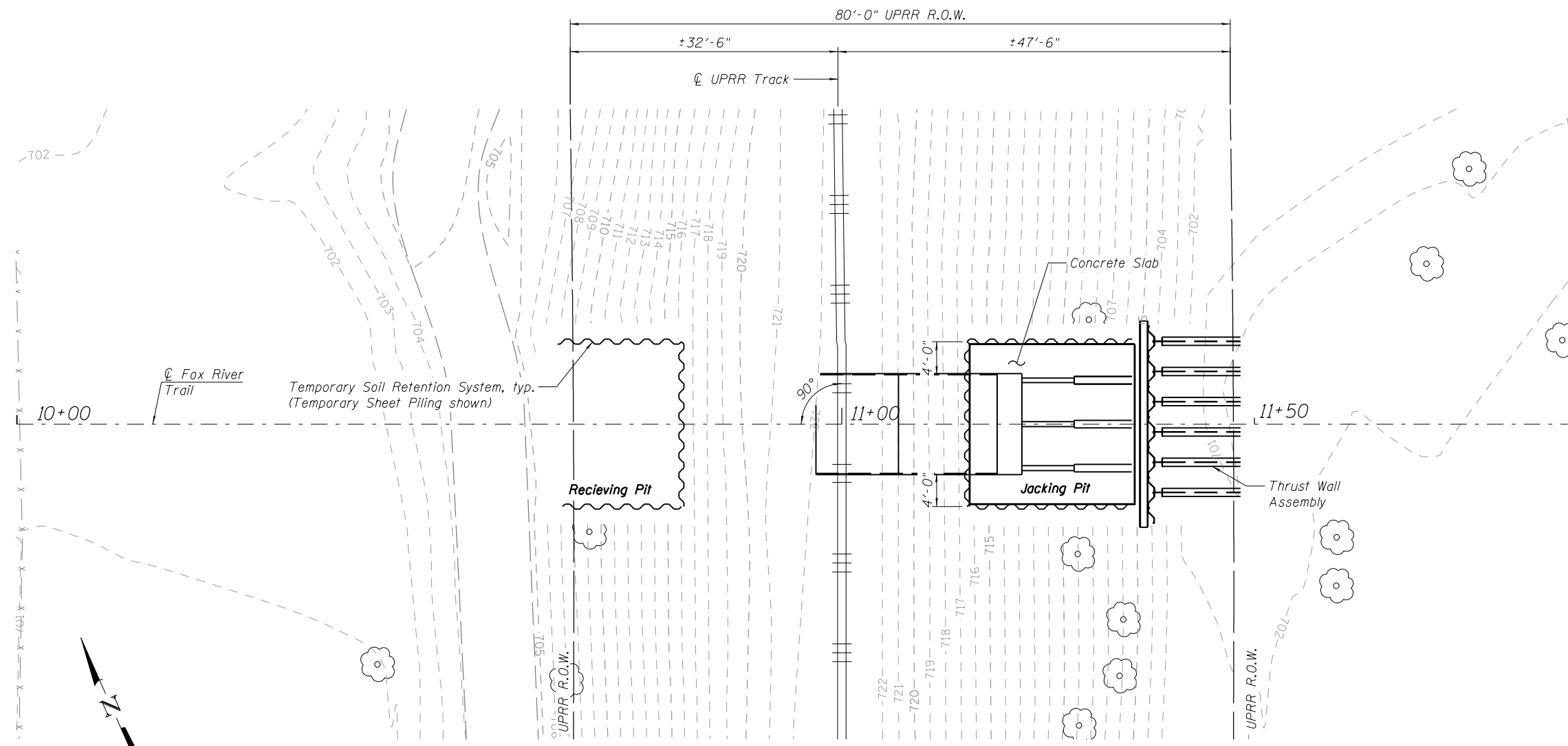
RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFF	14-F3000-07-BT	KANE	109	54
CONTRACT NO. 61E01				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTES
CONSTRUCTION STAGE II

1. Construction Stage 2 is the boring and jacking of the 12-foot ID steel pipe by the Tunneling Contractor.
2. During this stage, close monitoring of the survey data points for displacement of the railway and embankment will take place according to the special provision "Track Monitoring"
3. SG refers to steel jacking pipe segments.



**LONGITUDINAL SECTION
 CONSTRUCTION STAGE II**



**PLAN
 CONSTRUCTION STAGE II**

FILE NAME = W:\Projects\2015\150274_RaymondStFRPH\Needd\Structural\Dgn\RaymondStTunnel-2015-Tunnel Construction Stage II.dgn



WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
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USER NAME = nparris
 PLOT SCALE = 1:116
 PLOT DATE = 3/21/2019

DESIGNED - JMM
 CHECKED - DLS
 DRAWN - JMM
 CHECKED - DLS

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TUNNEL CONSTRUCTION - STAGE II
 FOX RIVER TRAIL RE-ROUTE**

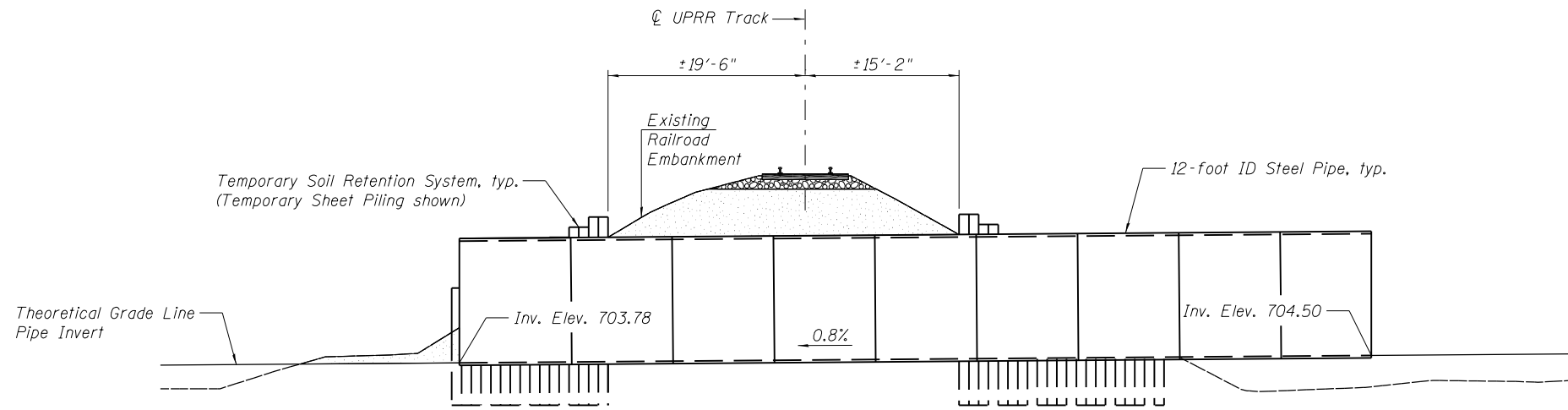
SHEET NO. 5 OF 16 SHEETS

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFF	14-F3000-07-BT	KANE	109	55
CONTRACT NO. 61E01				

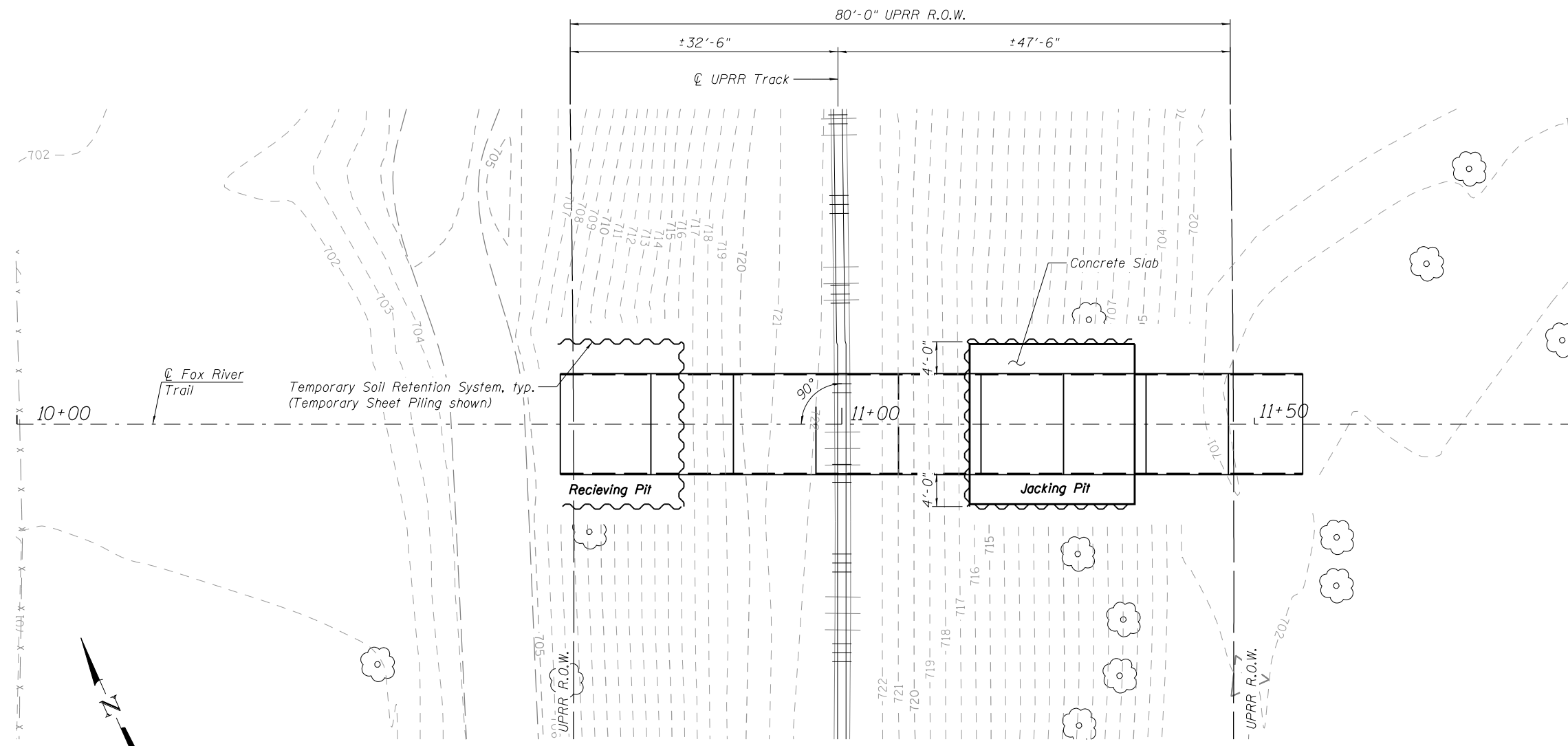
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

NOTES
CONSTRUCTION STAGE III

1. Construction Stage III is the completion of the boring and jacking of the 90-foot long tunnel by the Tunneling Contractor and the disassembly of the tunneling jacking systems.
2. Immediately following boring operations, the tunneling contractor shall pressure grout the voided annulus created around the pipe according to the special provision "Steel Casing Pipe, Special, Tunneled Complete."
3. The final monitoring of the survey data points for displacement of the railway and embankment will take place at the conclusion of the tunneling according to the special provision "Track Monitoring."



LONGITUDINAL SECTION
CONSTRUCTION STAGE III



PLAN
CONSTRUCTION STAGE III

FILE NAME = W:\Projects\2015\150274_RaymondStFRPH\Needd\Structural\Dgn\RaymondStTunnel-2016-Tunnel Construction Stage III.dgn

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USER NAME = nparris	DESIGNED - JMM	REVISED -
PLOT SCALE = 1:16	CHECKED - DLS	REVISED -
PLOT DATE = 3/21/2019	DRAWN - JMM	REVISED -
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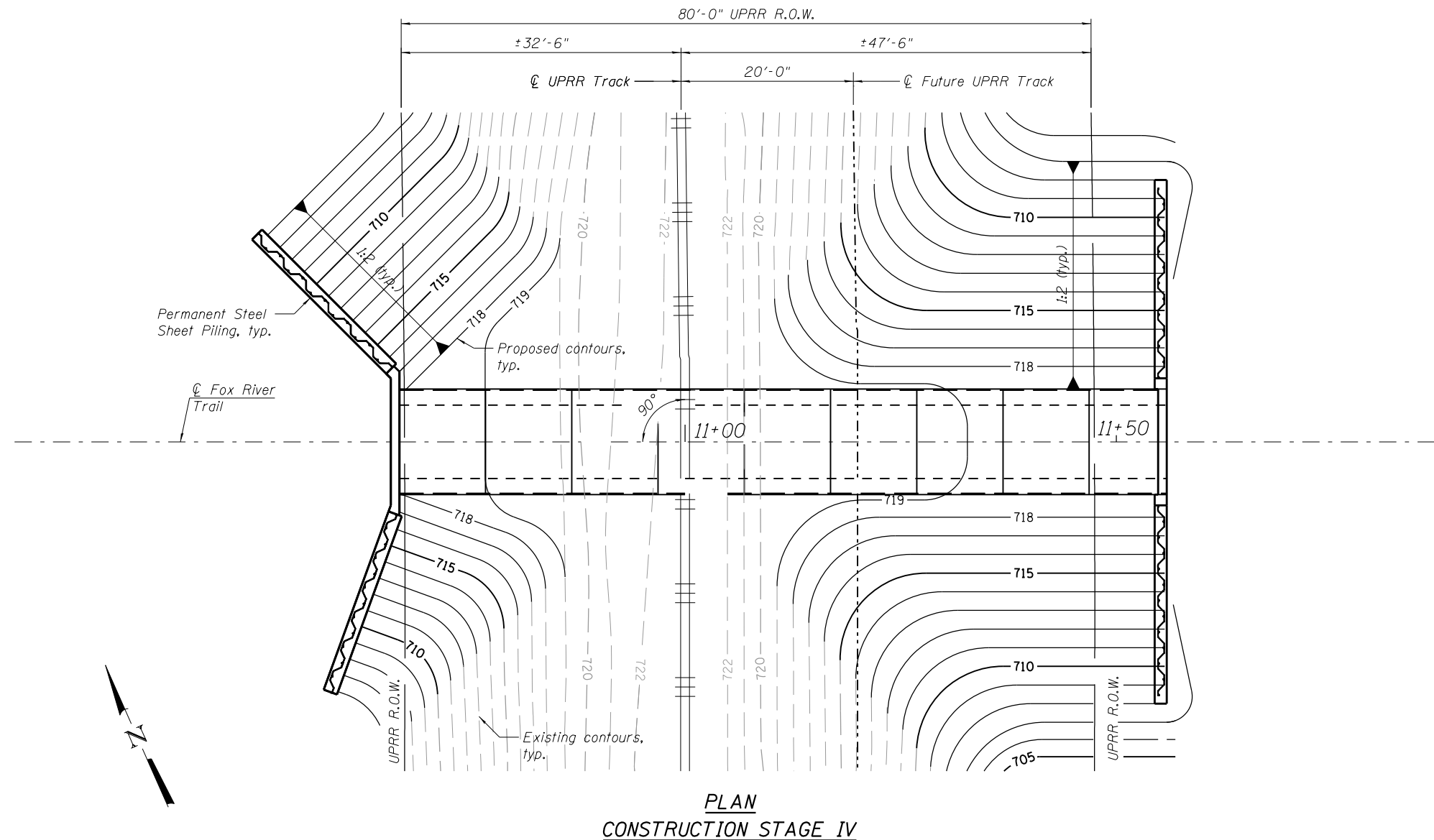
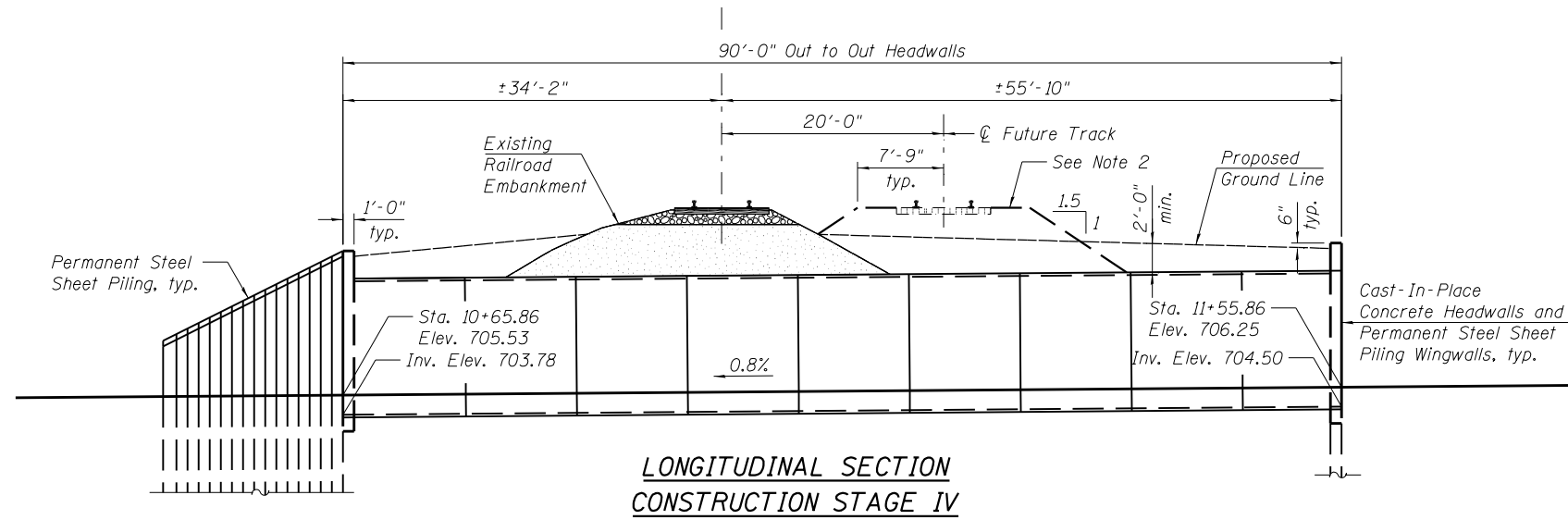
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TUNNEL CONSTRUCTION - STAGE III
FOX RIVER TRAIL RE-ROUTE

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFF	14-F3000-07-BT	KANE	109	56
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61E01	

NOTES
CONSTRUCTION STAGE IV

1. Construction Stage IV is the construction of the end sections, the removal of the temporary soil retention systems and the restoration of the site.
2. For embankment fill under the future track location, around the pipe and behind the wingwalls see details on plan sheet "Tunnel Embankment".



FILE NAME = W:\Projects\2015\150274_RaymondStFRPH\I\Need\Structural\Dgn\RaymondStTunnel-2017-Tunnel Construction Stage IV.dgn

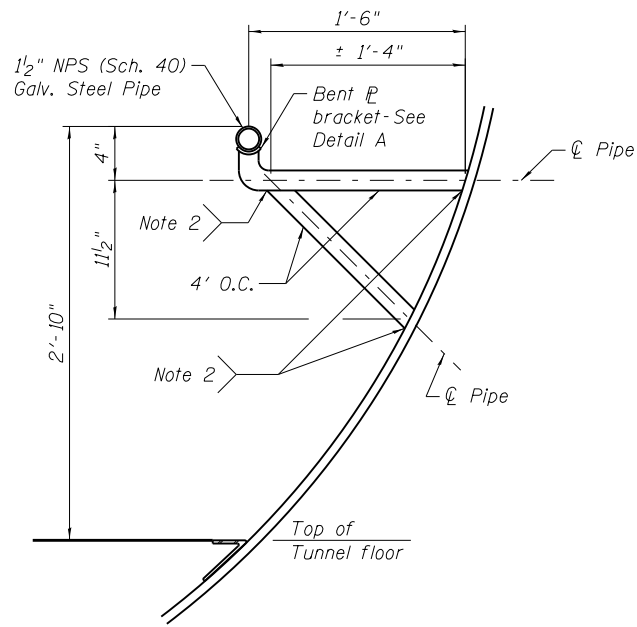
WBK engineering
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USER NAME = nparris	DESIGNED - JMM	REVISED -
PLOT SCALE = 1:16	CHECKED - DLS	REVISED -
PLOT DATE = 3/21/2019	DRAWN - JMM	REVISED -
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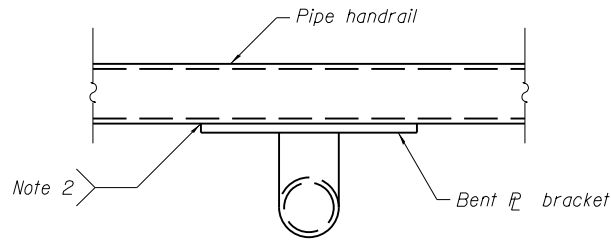
STATE OF ILLINOIS
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TUNNEL CONSTRUCTION - STAGE IV
FOX RIVER TRAIL RE-ROUTE

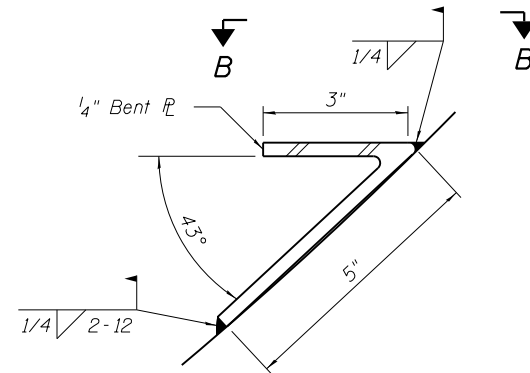
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFF	14-F3000-07-BT	KANE	109	57
CONTRACT NO. 61E01				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



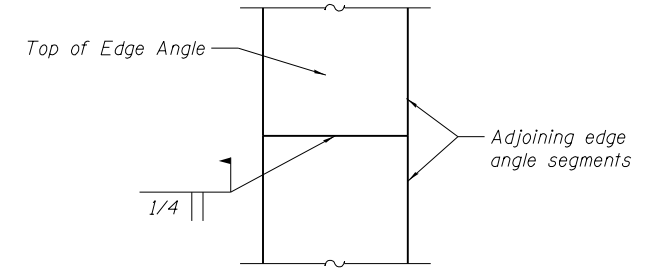
**DETAIL 1
STEEL HANDRAIL**



DETAIL A



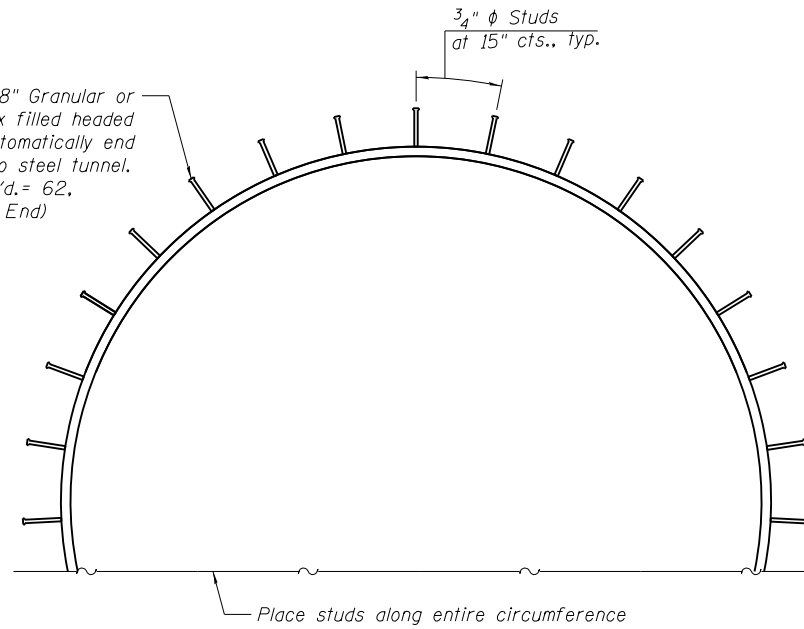
**DETAIL 2
CONCRETE EDGE ANGLE**



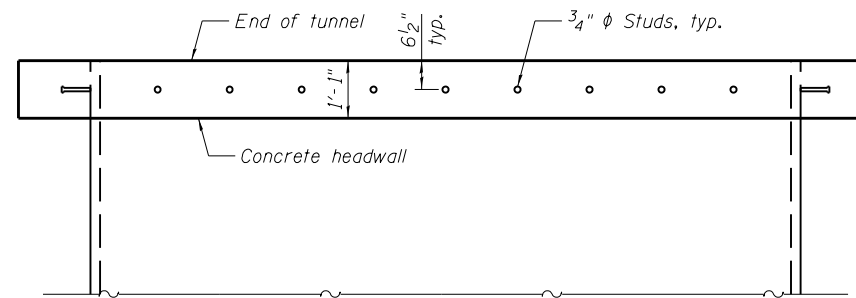
**VIEW B-B
CONCRETE EDGE ANGLE**

Note: Adjoining edge angles shall be butt welded and ground smooth as to produce a continuous edge angle with no gaps between segments

3/4" ϕ x 8" Granular or solid flux filled headed studs automatically end welded to steel tunnel. (No. Req'd. = 62, 31 Each End)



**SECTION THROUGH TUNNEL
AT END SECTIONS
(SHOWING SHEAR STUDS)**



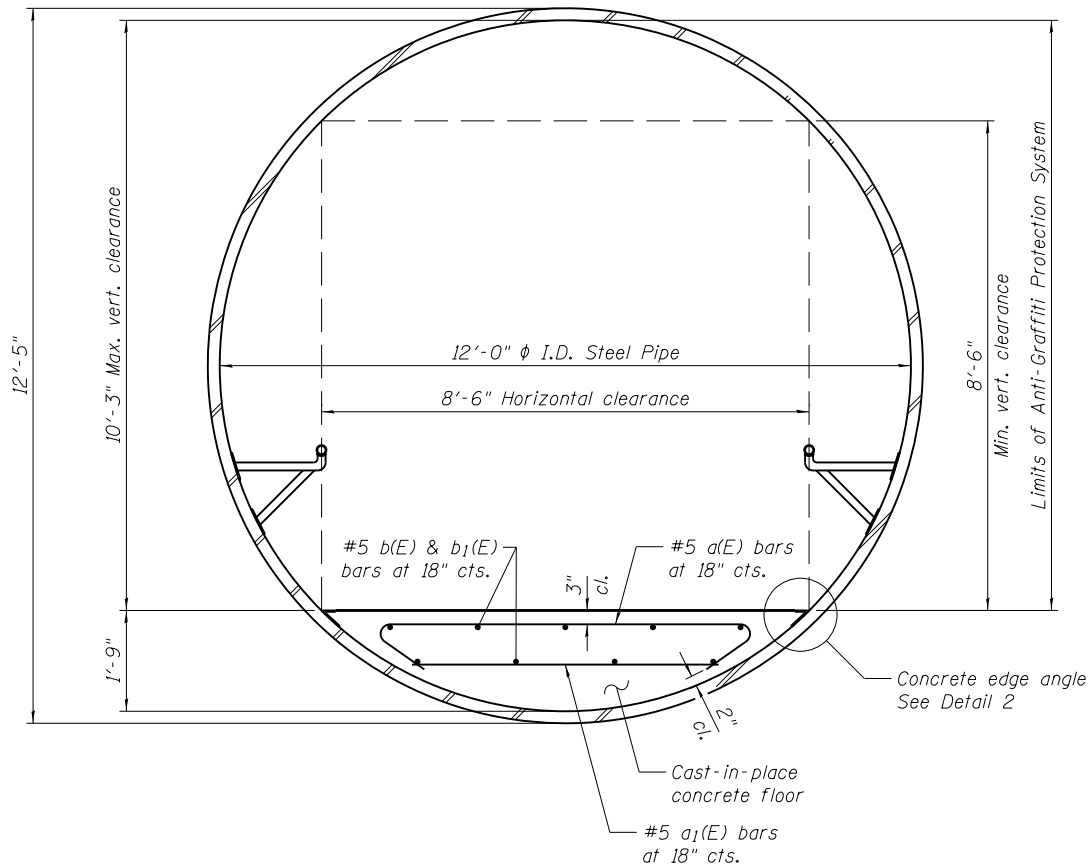
**PLAN
AT END SECTIONS
(SHOWING SHEAR STUDS)**

BILL OF MATERIAL

Item	Unit	Total
Steel Casing Pipe, Special, Tunneled Complete	Foot	90
Furnish and Install Handrail	Foot	180
Anti-Graffiti Protection System	Sq. Ft.	2,546
Stud Shear Connectors	Each	62

NOTES

- All tunneling procedures, tunneling operations and monitoring during the boring and jacking of the steel pipe shall adhere to the Special Provision entitled "Steel Casing Pipe, Special, Tunneled Complete."
- Handrail connection details shall be provided by the handrail fabricator and approved by the Engineer.
- The tunnel handrail shall conform to the Special Provision "Furnish and Install Handrail."
- The bent plate material for the concrete floor edge shall be AASHTO M 270 Grade 36 and hot dipped galvanized according to AASHTO M111. Material and installation for this detail will not be paid for separately, but shall be included in the Contract unit price for Concrete Structures.
- Granular and solid flux filled headed studs shall conform to Article 1006.32 of the Standard Specifications.
- Anti-Graffiti Protection System shall be applied to the interior of the steel tunnel including the concrete edge angle according to the Special Provision "Anti-Graffiti Protection System."



SECTION THROUGH TUNNEL

FILE NAME = W:\Projects\2015\150274_RaymondStFRPH\1\cadd\Structural\Dgn\RaymondStTunnel-2008-Tunnel_Section.dgn



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PLOT SCALE = 1:2,66667	CHECKED - DLS	REVISED -
PLOT DATE = 3/21/2019	DRAWN - JMM	REVISED -
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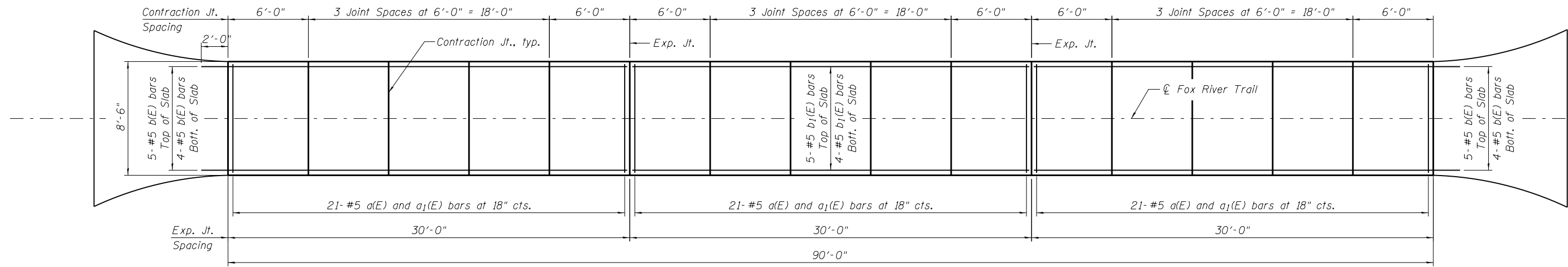
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TUNNEL SECTION & DETAILS
FOX RIVER TRAIL RE-ROUTE

SHEET NO. 8 OF 16 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFF	14-F3000-07-BT	KANE	109	58
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

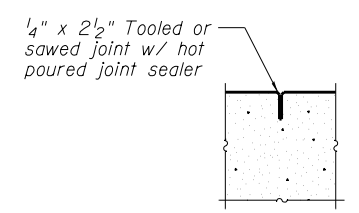
CONTRACT NO. 61E01



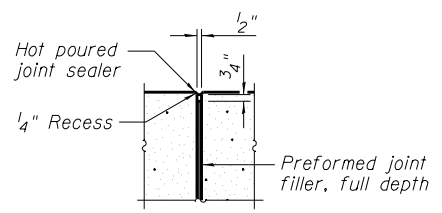
**PLAN
TUNNEL FLOOR**

BILL OF MATERIAL

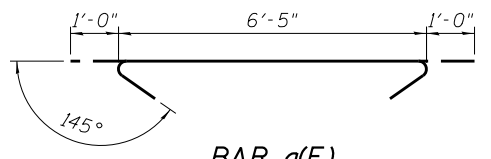
Bar	No.	Size	Length	Shape
a(E)	63	#5	8'-5"	↔
a ₁ (E)	63	#5	5'-4"	—
b(E)	18	#5	31'-10"	—
b ₁ (E)	9	#5	29'-8"	—
Concrete Structures			Cu. Yd.	34.4
Reinforcement Bars, Epoxy Coated			Pound	1,780



**DETAIL
CONTRACTION JOINT**



**DETAIL
EXPANSION JOINT**

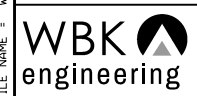


BAR a(E)

NOTES

- The b(E) bars shall be extended 2'-0" into the tunnel concrete approach slabs (See detail Sheet 66 for Sidewalk, Special) at each end.
- Expansion and contraction joints, including PJF and hot poured joint sealer shall conform to the Special Provision for Concrete Structures.

FILE NAME = W:\Projects\2015\150274_RaymondStFRPH\1\RoadStructural\Dgn\RaymondStTunnel-080-Tunnel Floor Det.dgn



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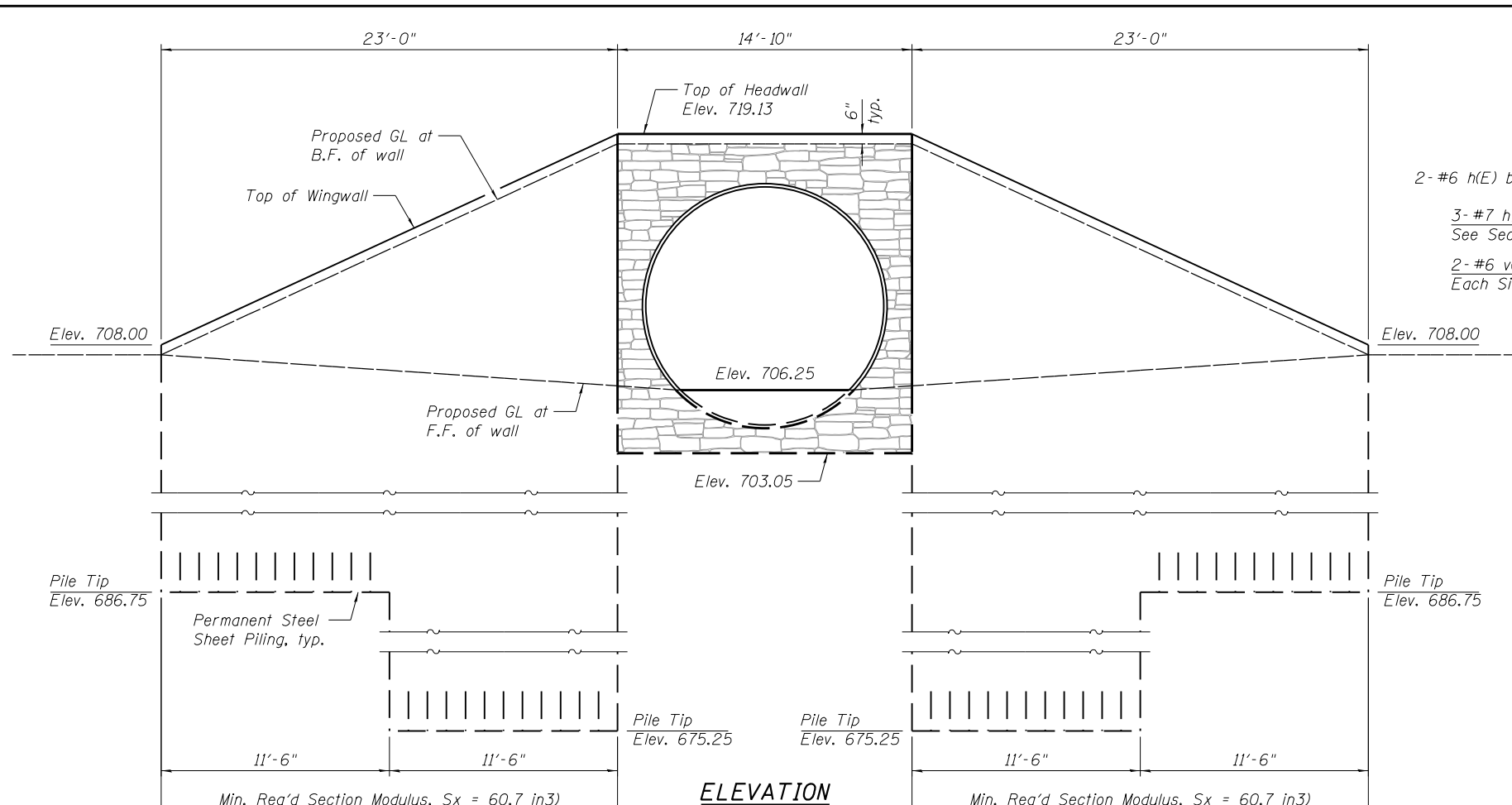
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	CHECKED - DLS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TUNNEL FLOOR DETAILS
FOX RIVER TRAIL RE-ROUTE**

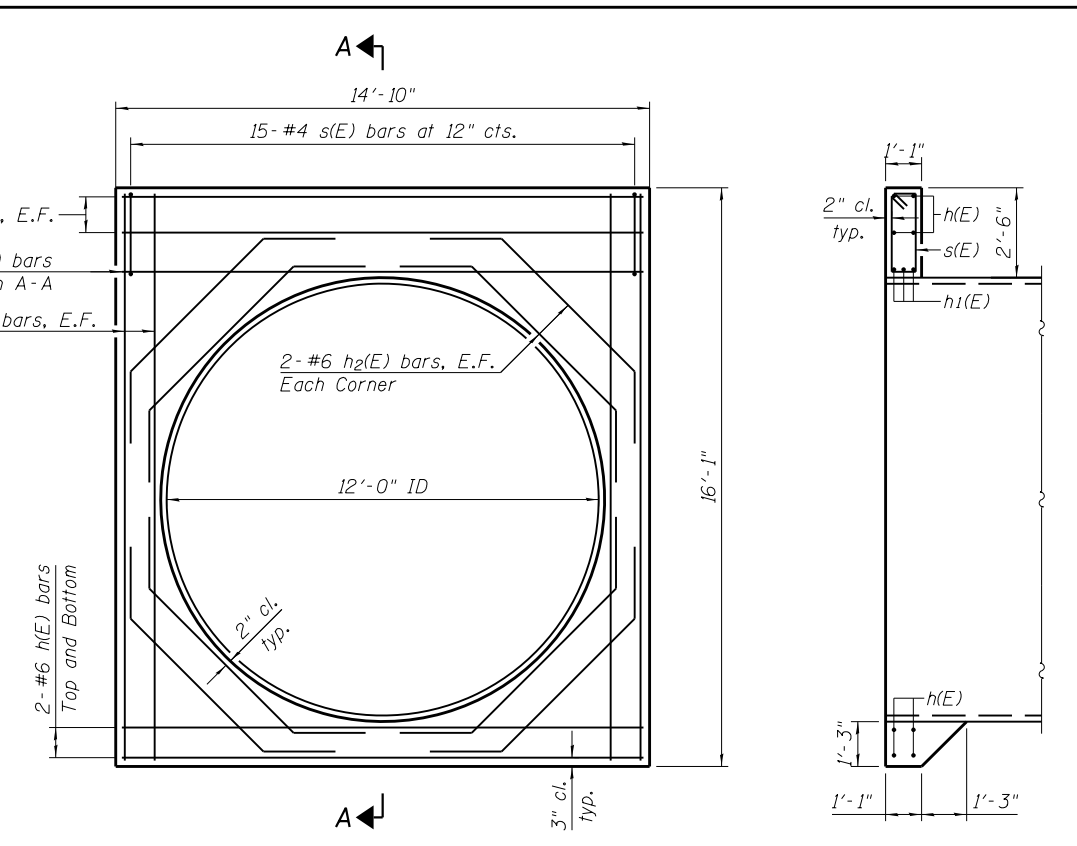
SHEET NO. 9 OF 16 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61E01	



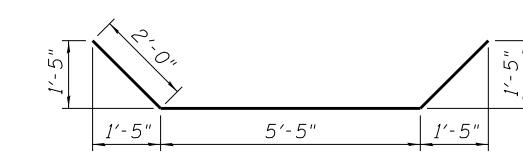
ELEVATION EAST END SECTION
Looking West
Measured along front face of wall
(Chain link fence omitted for clarity)

LEGEND
F.F. = Front Face
B.F. = Back Face
GL = Groundline

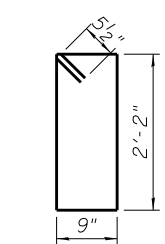


ELEVATION EAST HEADWALL
Showing Reinforcement

SECTION A-A



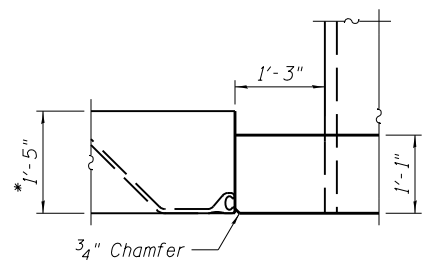
BAR h2(E)



BAR s(E)

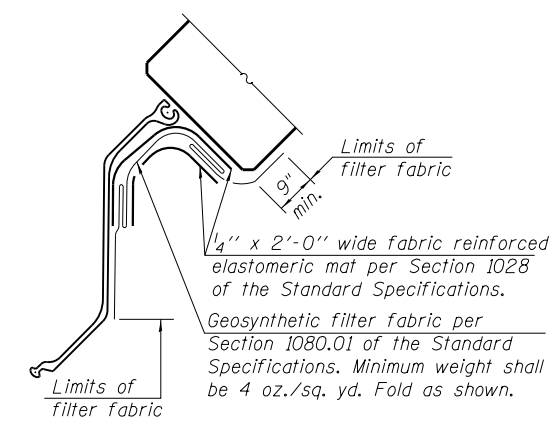
BILL OF MATERIAL EAST END SECTION

Bar	No.	Size	Length	Shape
h(E)	8	#6	14'-6"	—
h1(E)	3	#7	14'-6"	—
h2(E)	16	#6	9'-5"	⤴
s(E)	15	#4	6'-9"	⤴
v(E)	8	#6	15'-9"	—
Concrete Structures		Cu. Yd.	5.6	
Reinforcement Bars, Epoxy Coated		Pound	750	
Permanent Steel Sheet Piling		Sq. Yd.	1,512	
Anti-Graffiti Protection System		Sq. Ft.	106	
Staining Concrete Structures		Sq. Ft.	91	
Formliner Textured Surface		Sq. Ft.	108	



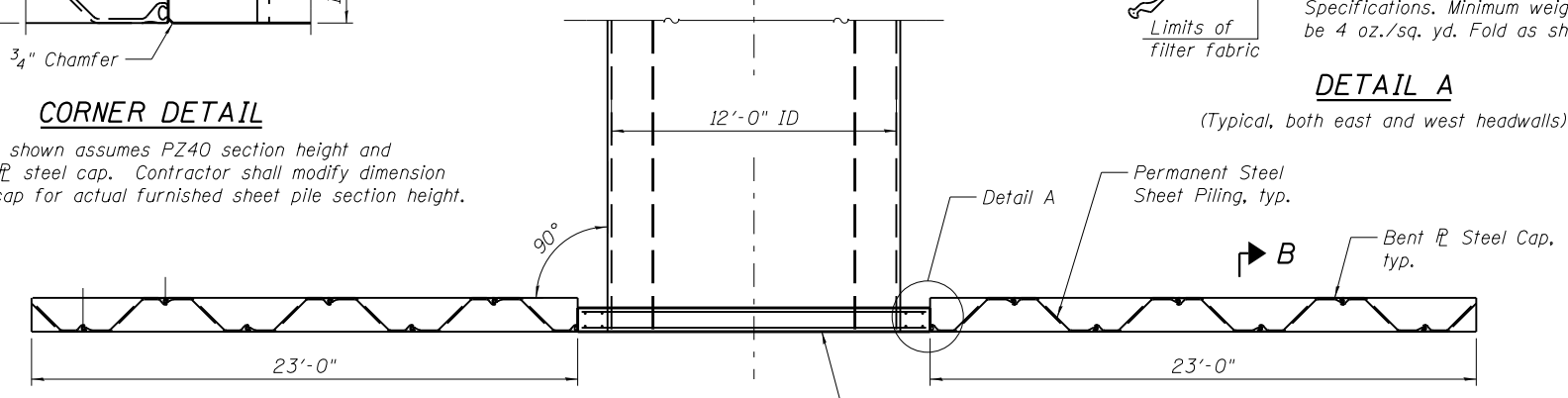
CORNER DETAIL

*Dimension shown assumes PZ40 section height and 3/8" bent steel cap. Contractor shall modify dimension of steel cap for actual furnished sheet pile section height.

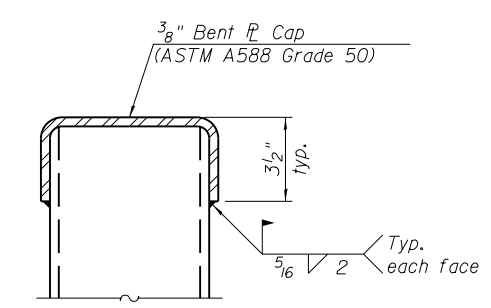


DETAIL A

(Typical, both east and west headwalls)



PLAN EAST END SECTION

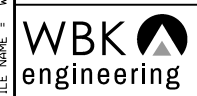


SECTION B-B

Notes:

- See Sheet 8 of 16 for Shear Stud placement and details at end sections.
- The cost of furnishing and installing the 3/8" bent steel cap, elastomeric mat, and filter fabric shall not be paid for separately, but shall be included in the Contract unit price for Permanent Steel Sheet Piling.
- Anti-Graffiti Protection System shall be applied to the exposed surfaces of the concrete headwall according to the special provision "Anti-Graffiti Protection System." See Sheet 3 of 16 for limits.
- Permanent Steel Sheet Piling shall conform to the special provision "Permanent Steel Sheet Piling."

FILE NAME = W:\Projects\2015\150274_RaymondStFRPH\1\RoadStructure\Tunnel\01P-East_End_Section_Detail.sdg



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DRAWN - JMM
CHECKED - DLS
PLOT SCALE = 1:8
PLOT DATE = 3/21/2019

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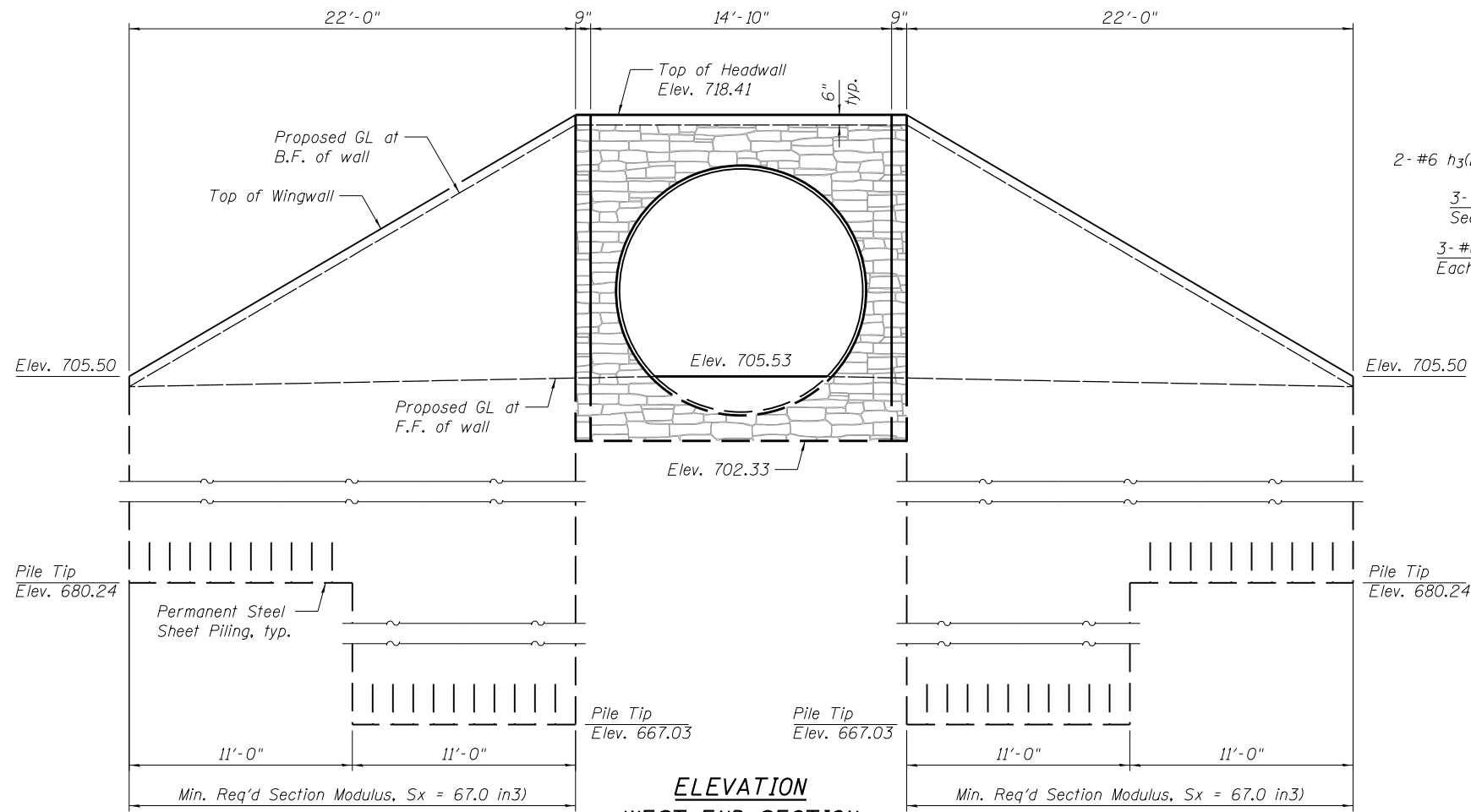
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EAST END SECTION DETAILS
FOX RIVER TRAIL RE-ROUTE**

SHEET NO. 10 OF 16 SHEETS

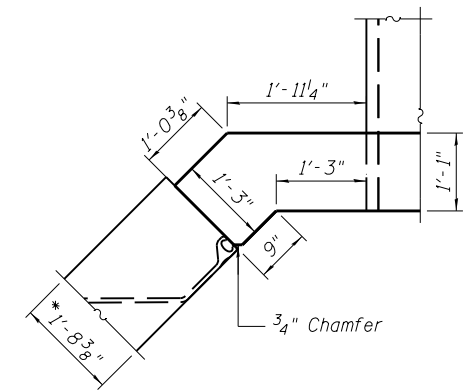
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFF	14-F3000-07-BT	KANE	109	60
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 61E01

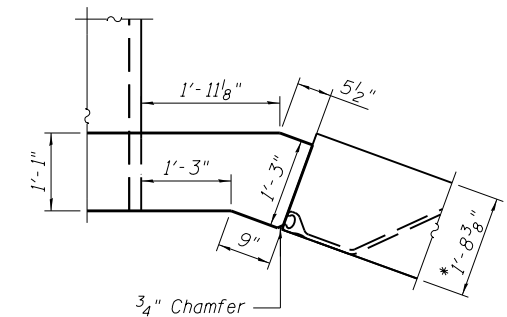


ELEVATION WEST END SECTION
Looking East
Measured along front face of wall
(Chain link fence omitted for clarity)

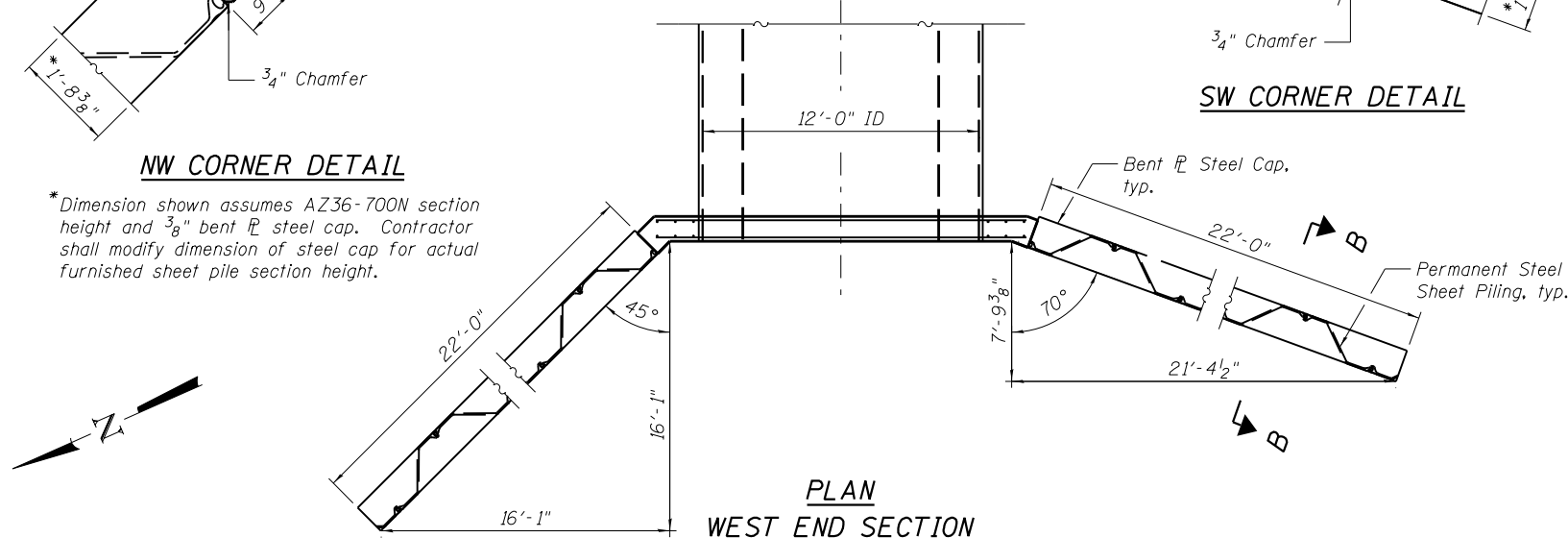
LEGEND
F.F. = Front Face
B.F. = Back Face
GL = Groundline



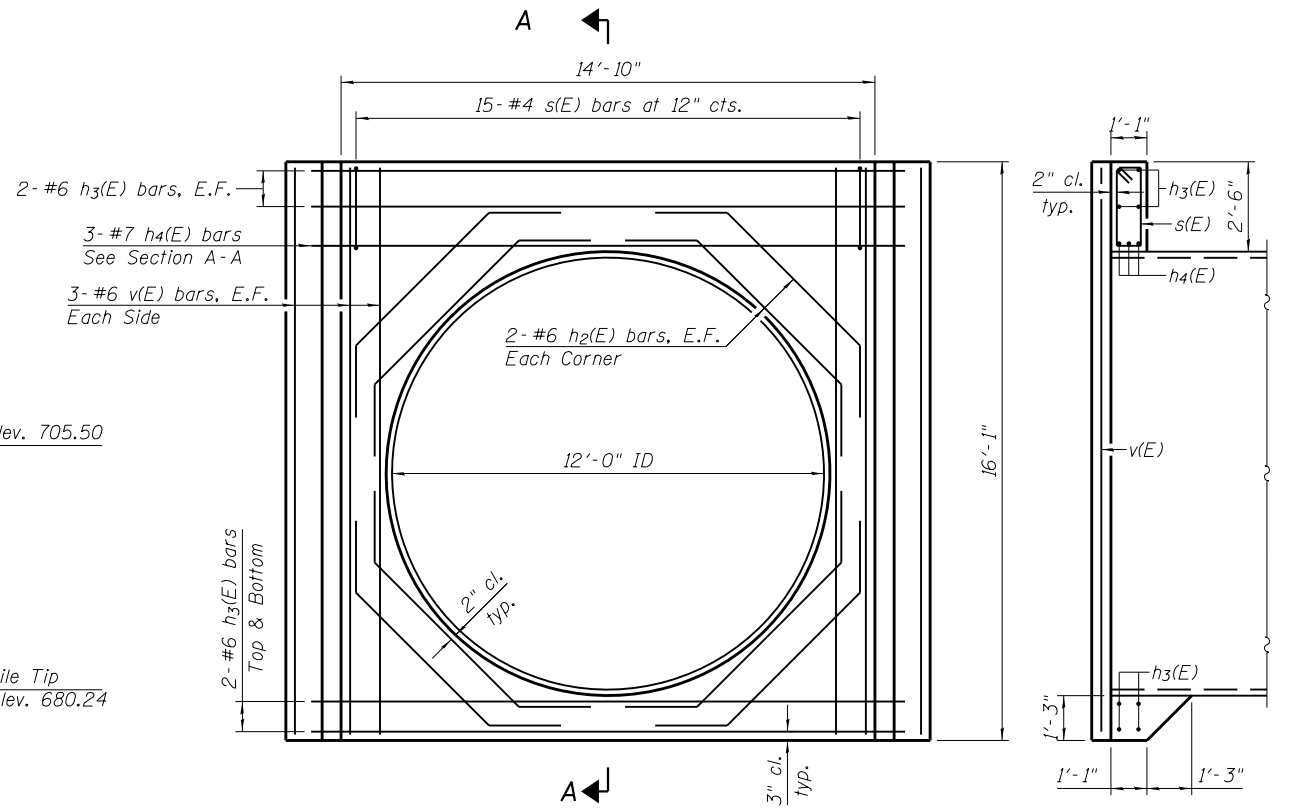
*Dimension shown assumes AZ36-700N section height and 3/8" bent flange steel cap. Contractor shall modify dimension of steel cap for actual furnished sheet pile section height.



SW CORNER DETAIL

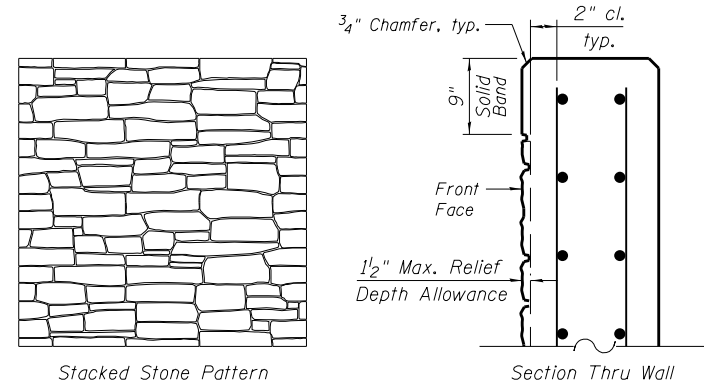


PLAN WEST END SECTION

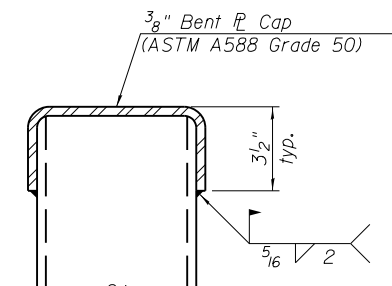


ELEVATION WEST HEADWALL
Showing Reinforcement

SECTION A-A



TYPICAL FORMLINER DETAIL



SECTION B-B

BILL OF MATERIAL WEST END SECTION

Bar	No.	Size	Length	Shape
$h_2(E)$	16	#6	9'-5"	
$h_3(E)$	8	#6	16'-1"	
$h_4(E)$	3	#7	16'-1"	
$s(E)$	17	#4	6'-9"	
$v(E)$	12	#6	15'-9"	
Concrete Structures		Cu. Yd.	7.2	
Reinforcement Bars, Epoxy Coated		Pound	880	
Permanent Steel Sheet Piling		Sq. Yd.	1,688	
Anti-Graffiti Protection System		Sq. Ft.	130	
Staining Concrete Structures		Sq. Ft.	112	
Formliner Textured Surface		Sq. Ft.	131	

- Notes:
- See Sheet 8 of 16 for Shear Stud placement and details at end sections.
 - Material and installation for the 3/8" Bent flange Cap will not be paid for separately, but shall be included in the Contract unit price for Permanent Steel Sheet Piling.
 - Anti-Graffiti Protection System shall be applied to the exposed surfaces of the concrete headwall according to the special provision "Anti-Graffiti Protection System." See Sheet 3 of 16 for limits.
 - Permanent Steel Sheet Piling shall conform to the special provision "Permanent Steel Sheet Piling."

FILE NAME = W:\Projects\2015\150274_RaymondStFRPH\1\RoadStructure\1\01-West_End_Section_Details.dgn
 W:\Projects\2015\150274_RaymondStFRPH\1\RoadStructure\1\01-West_End_Section_Details.dgn



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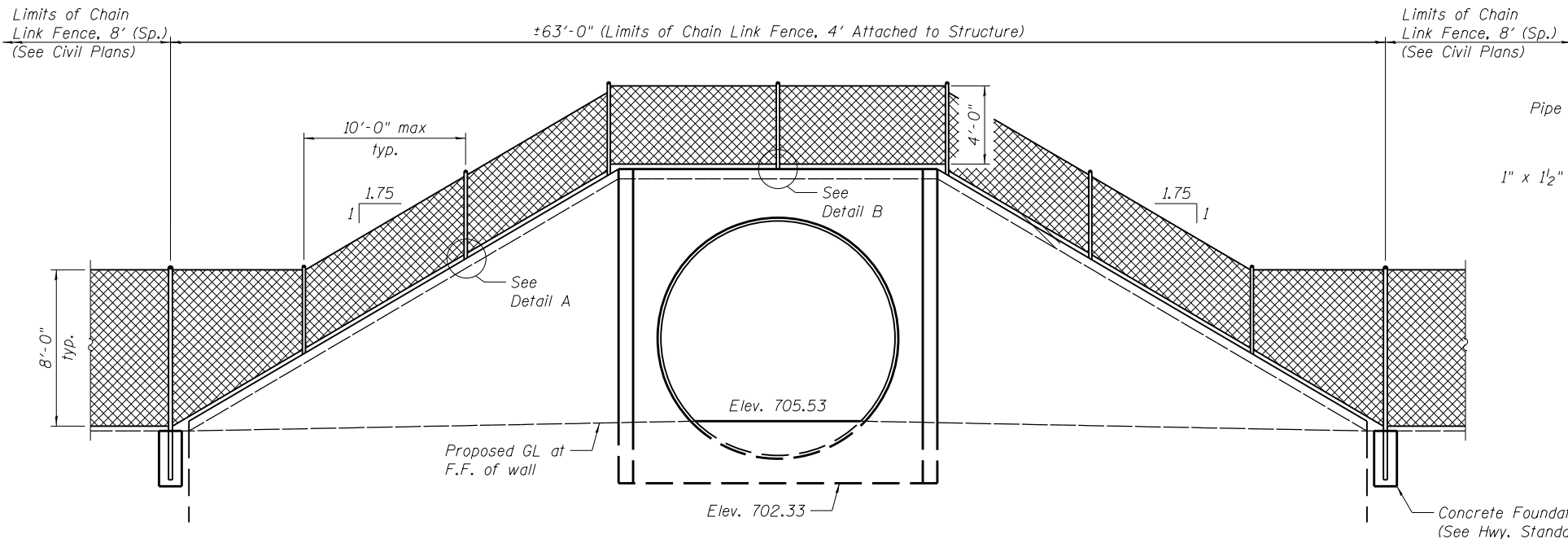
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PLOT DATE = 3/21/2019	DRAWN - JMM	REVISED -
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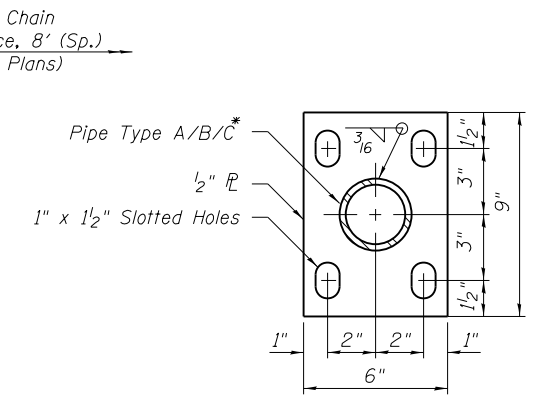
WEST END SECTION DETAILS FOX RIVER TRAIL RE-ROUTE

SHEET NO. 11 OF 16 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFF	14-F3000-07-BT	KANE	109	61
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61E01	



**ELEVATION
WEST END SECTION**

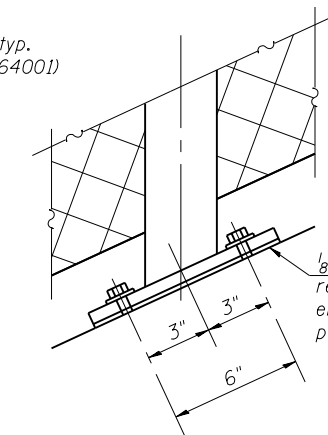


BASE PL
*Pipe Type and O.D. determined by fencing contractor. See Hwy. Std.

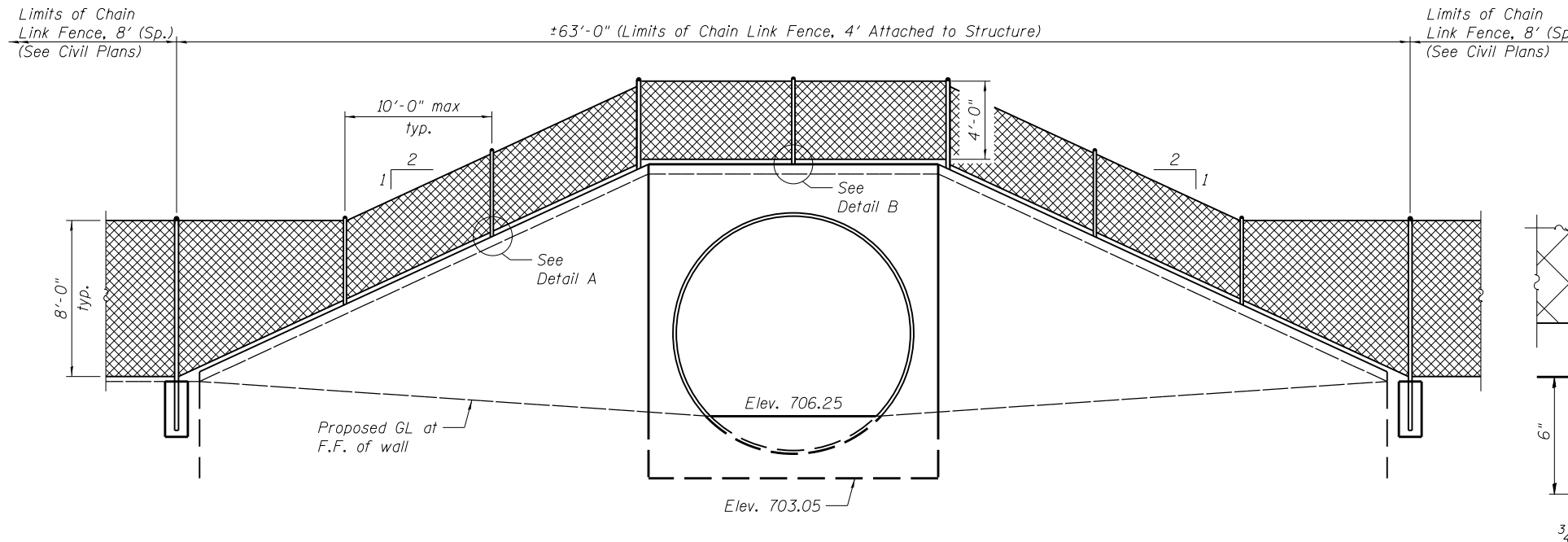
- Notes:
1. Chain Link Fence, 4' Attached to Structure shall conform to the Special Provision "Chain Link Fence (Special) and Hwy. Standard 664001.
 2. Chain link fence height transitions from 8 feet off the structure to 4 feet onto the structure.
 3. Material and installation of anchor bolt assemblies shall be included in the Contract unit price for Chain Link Fence, 4' Attached to Structure.
 4. See Sheets 10 & 11 for end section details and dimensions.

BILL OF MATERIAL

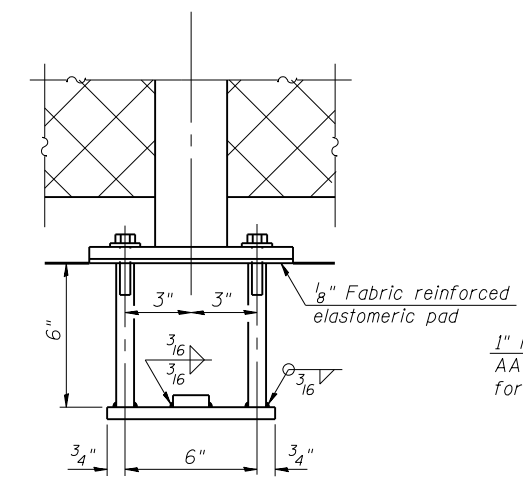
Item	Unit	Total
Chain Link Fence, 4' Attached to Structure	Foot	126



**DETAIL A
ANCHOR BOLT DETAILS AT WINGWALL**



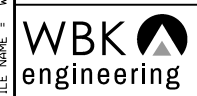
**ELEVATION
EAST END SECTION**



**DETAIL B
ANCHOR BOLT DETAILS AT HEADWALL**

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 3/8" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

FILE NAME = W:\Projects\2015\150274_RaymondSt\FRPH\1\Veget\Structural\Dgn\Fencing\Detail1.dgn



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CHECKED - DLS
PLOT SCALE = 1:8
PLOT DATE = 3/21/2019

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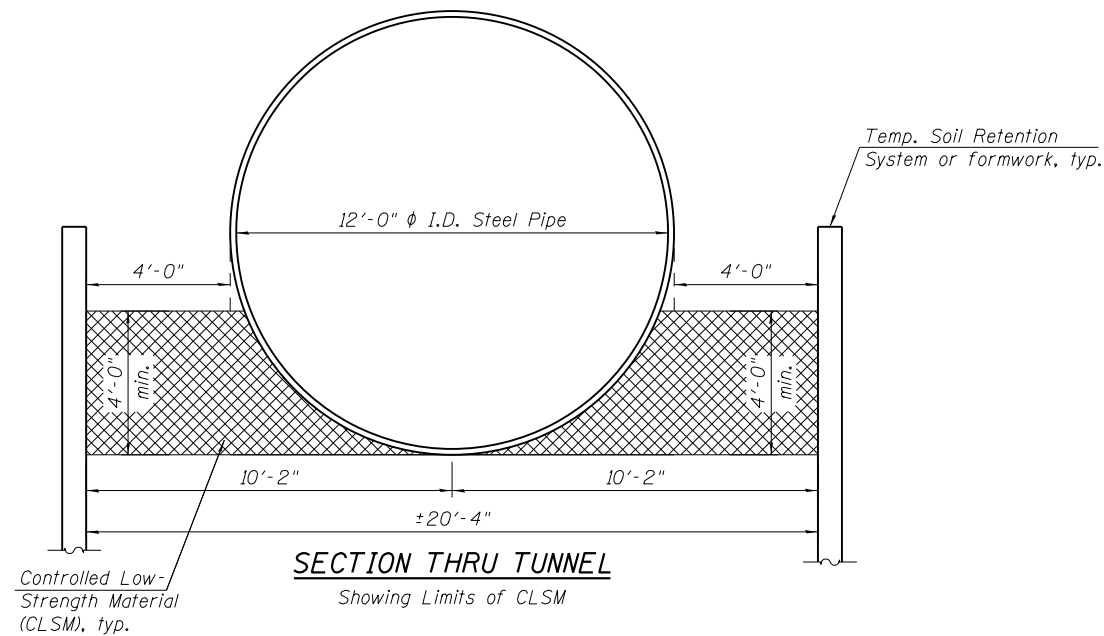
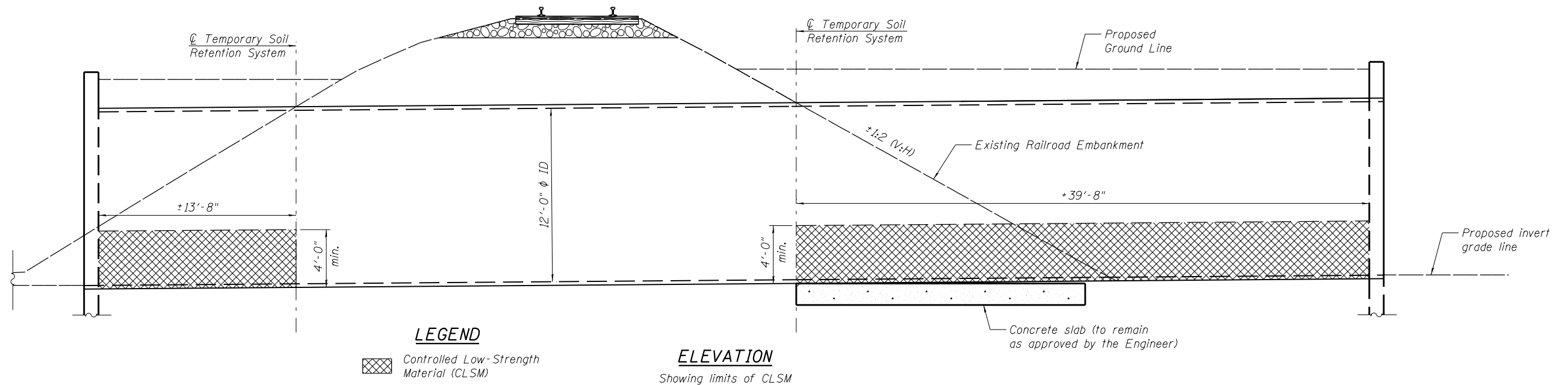
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FENCING DETAILS
FOX RIVER TRAIL RE-ROUTE**

SHEET NO. 12 OF 16 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFF	14-F3000-07-BT	KANE	109	62

CONTRACT NO. 61E01
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



NOTES

1. The underlying soils at or near each end section require undercutting and backfilling with approved granular subgrade. See civil sheets 18 and 19 for additional details.
2. The site geotechnical engineer shall monitor the preparation of compacted subgrades, construction of structural fills, determine adequacy of foundation bearing capacity, monitor backfilling and installation of end sections. All work associated with undercutting, verification of subgrade capacity and backfilling shall be performed in compliance with the requirements of the site geotechnical engineer.
3. Controlled Low-Strength Material is to be placed where the steel pipe is not tunneled through the embankment at the east and west ends. Limits shall be verified after tunneling is complete.

BILL OF MATERIAL

Item	Unit	Total
Controlled Low-Strength Material	Cu. Yd.	94.4

FILE NAME = W:\Projects\2015\150274_RaymondStFRPH\Structural\Dgn\RaymondStTunnel\013-SubgradeRemediation.dgn



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 116 WEST MAIN STREET, SUITE 201
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 (630) 443-7755

USER NAME = nparris	DESIGNED - JMM	REVISED -
PLOT SCALE = 1/8"	CHECKED - DLS	REVISED -
PLOT DATE = 3/21/2019	DRAWN - JMM	REVISED -
	CHECKED - DLS	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

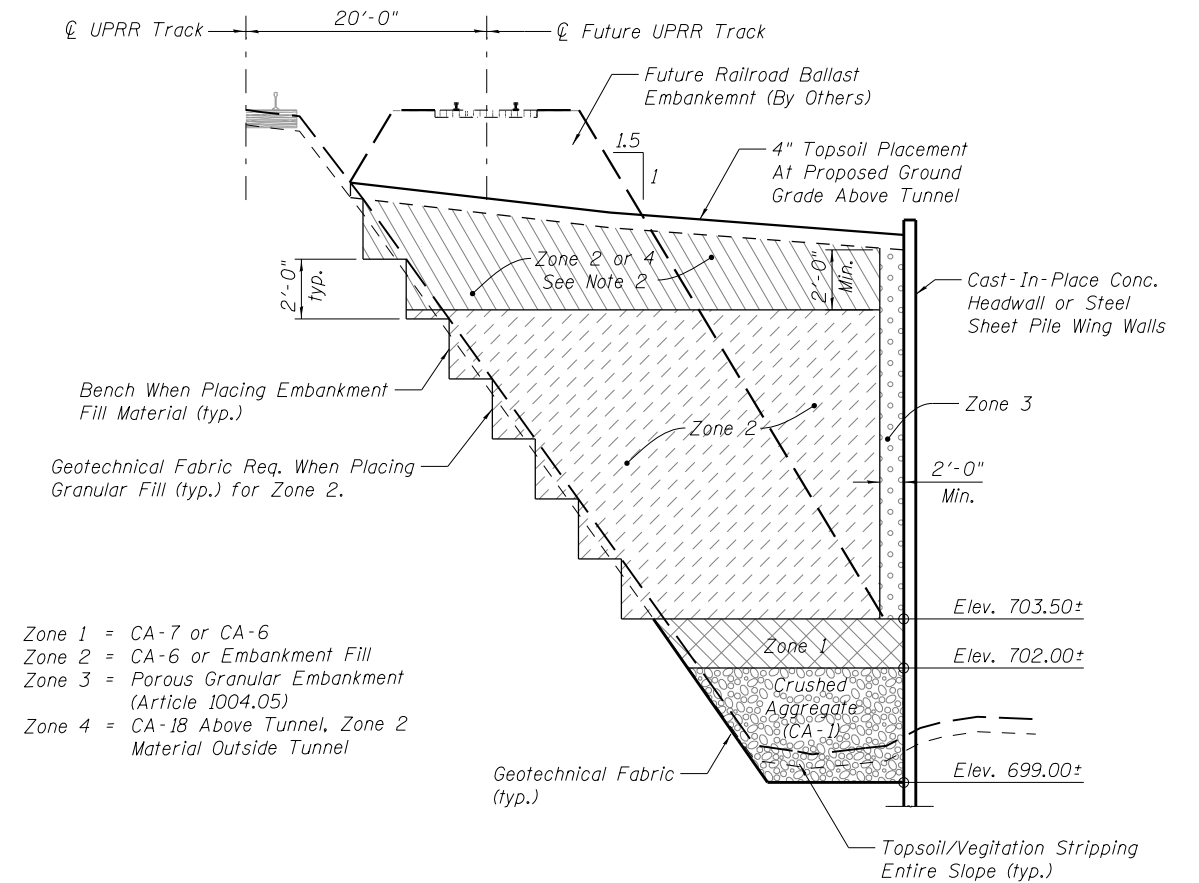
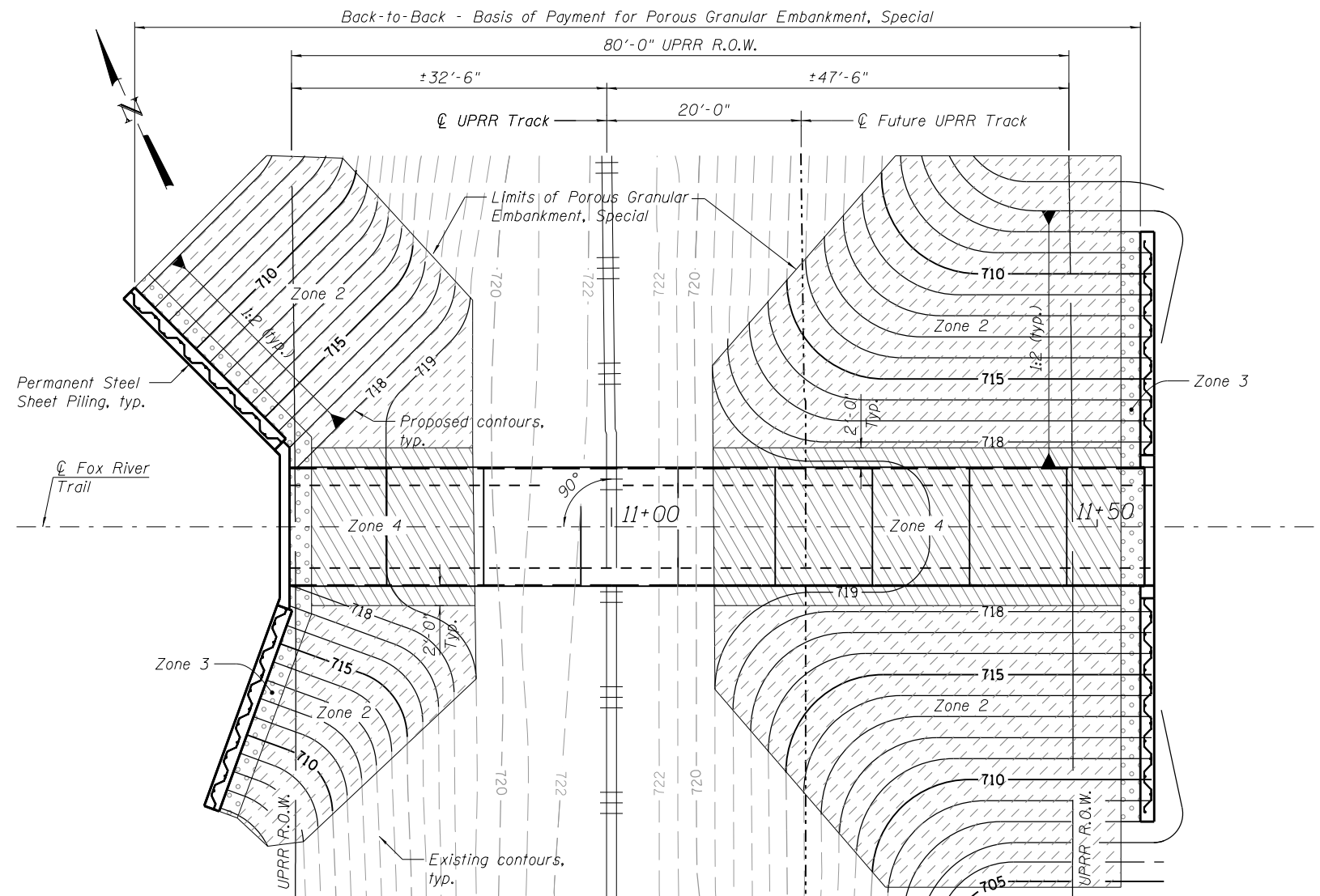
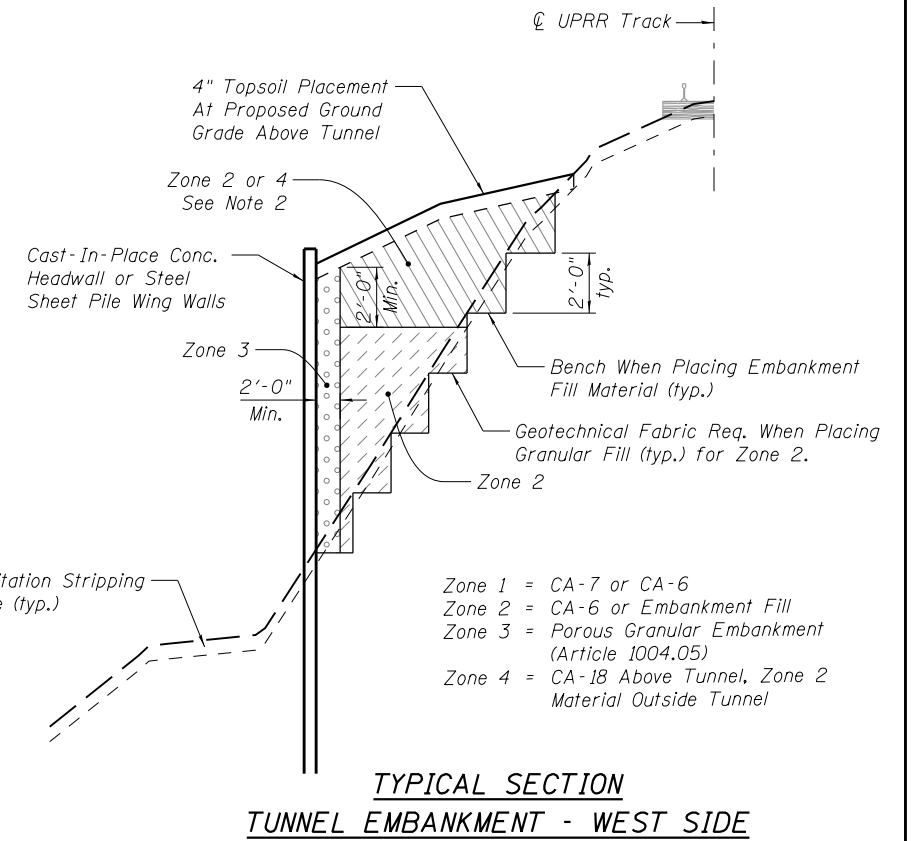
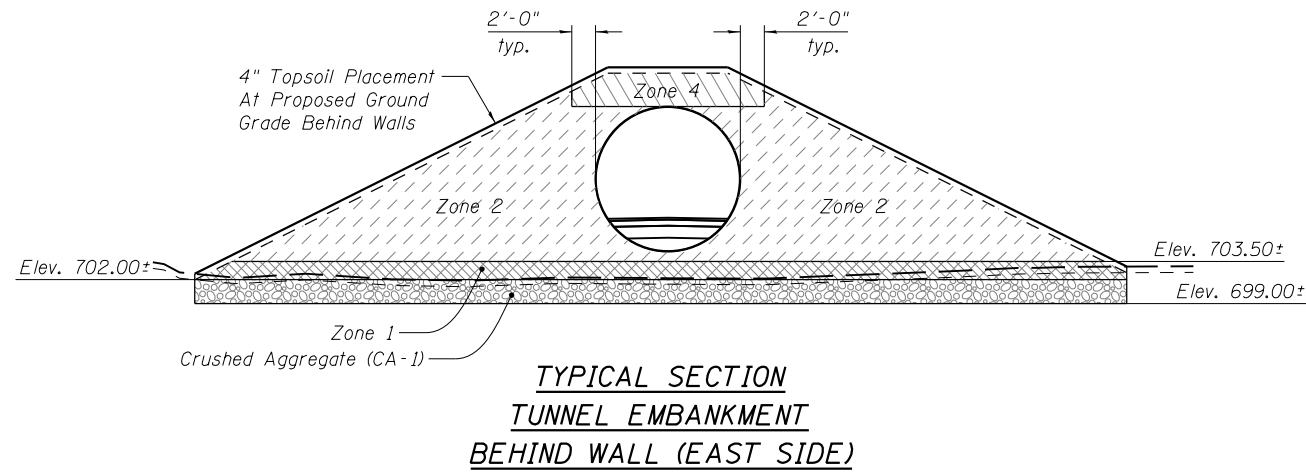
**CONTROLLED LOW-STRENGTH MATERIAL PLAN
 FOX RIVER TRAIL RE-ROUTE**

SHEET NO. 13 OF 16 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFF	14-F3000-07-BT	KANE	109	63
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 61E01	

TUNNEL EMBANKMENT NOTES

1. Embankment fill under the future track location including the theoretical 1.5:1 (H:V) downslope shall be compacted no less than 100% of maximum dry density and tested using Modified Proctor ASTM D1557. All other fill shall be compacted no less than 95% of maximum dry density at a moisture content within 2% of optimum. See UPRR Guidelines for Temporary Shoring Section 9 for additional soil/compaction requirements.
2. The final zone of compaction is Zone 4 above the tunnel. The material directly above the tunnel, and for a minimum distance of 2 feet to either side, shall conform to AREMA requirements for sub-ballast. An example material would be IDOT gradation CA-18 or an equivalent. This material should be compactable by a combination of hand compaction machinery and truck traffic. Heavy compaction equipment and rollers should be avoided until there is a minimum 2 feet of cover over the top of the tunnel. This zone outside of the tunnel can either continue with the CA-18/sub-ballast material, or can be an extension of the Zone 3 material from beneath.



**PLAN
TUNNEL EMBANKMENT**

**TYPICAL SECTION
TUNNEL EMBANKMENT - EAST SIDE**

FILE NAME = W:\Projects\2015\150274_RaymondStFRPH\1\Road\Road_Embankment.dgn
 W:\Projects\2015\150274_RaymondStFRPH\1\Road\Road_Embankment.dgn



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USER NAME = nparris
 PLOT SCALE = 1:16
 PLOT DATE = 3/21/2019

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 CHECKED - DLS
 DRAWN - JMM
 CHECKED - DLS

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS - TUNNEL EMBANKMENT
 FOX RIVER TRAIL RE-ROUTE**

SHEET NO. 14 OF 16 SHEETS

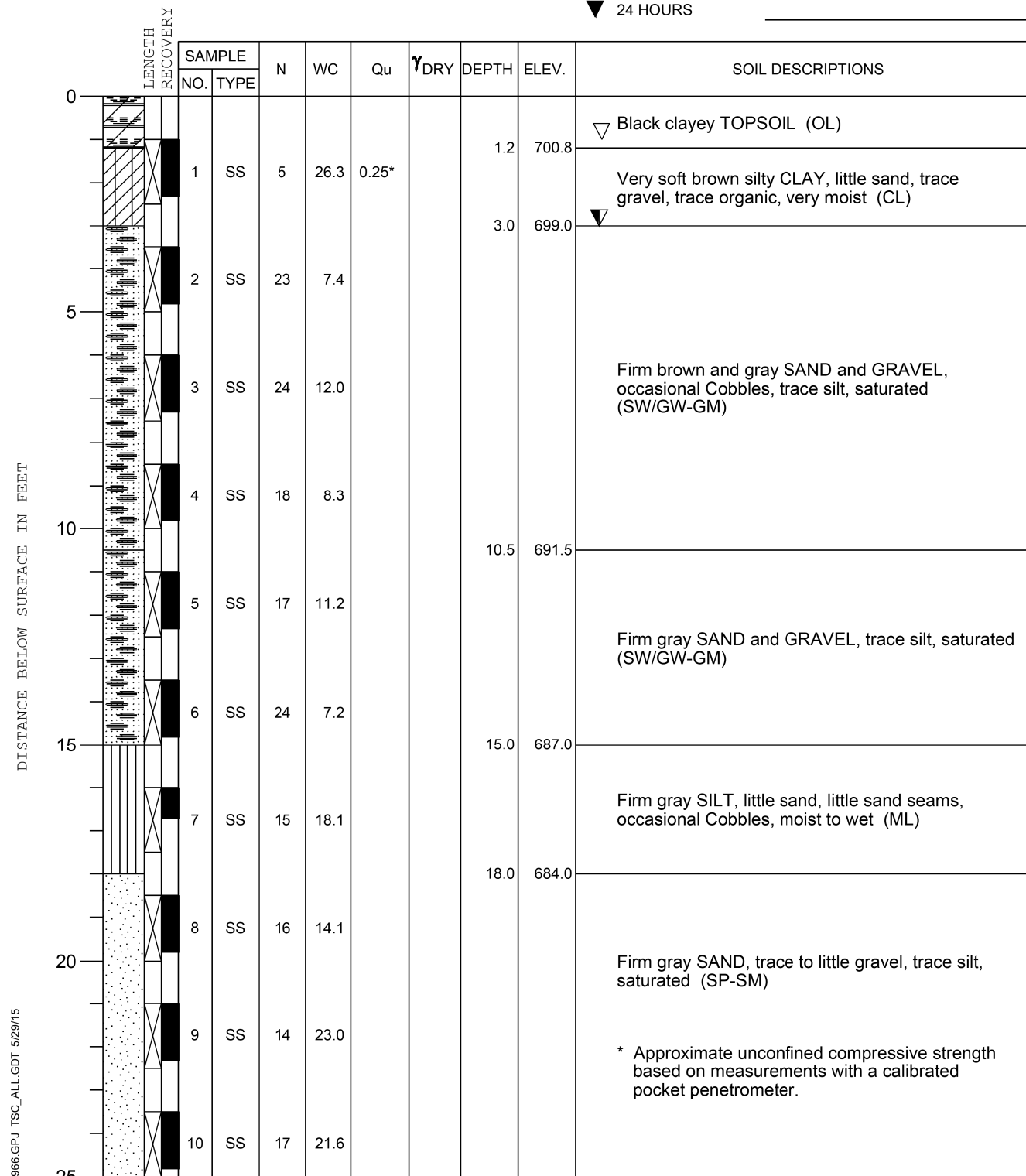
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFF	14-F3000-07-BT	KANE	109	64
CONTRACT NO. 61E01				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PROJECT **Fox River Trail Tunnel, Raymond Street Forest Preserve, Elgin, IL**
 CLIENT **Wills Burke Kelsey Associates, Ltd., St. Charles, IL**
 BORING **2** DATE STARTED **2-10-15** DATE COMPLETED **2-10-15** JOB **L-81,966**



ELEVATIONS
 GROUND SURFACE **702.0**
 END OF BORING **677.0**

WATER LEVEL OBSERVATIONS
 WHILE DRILLING **3.0'**
 AT END OF BORING **1.0'**
 24 HOURS



DRILL RIG NO. **262** End of Boring at 25.0'

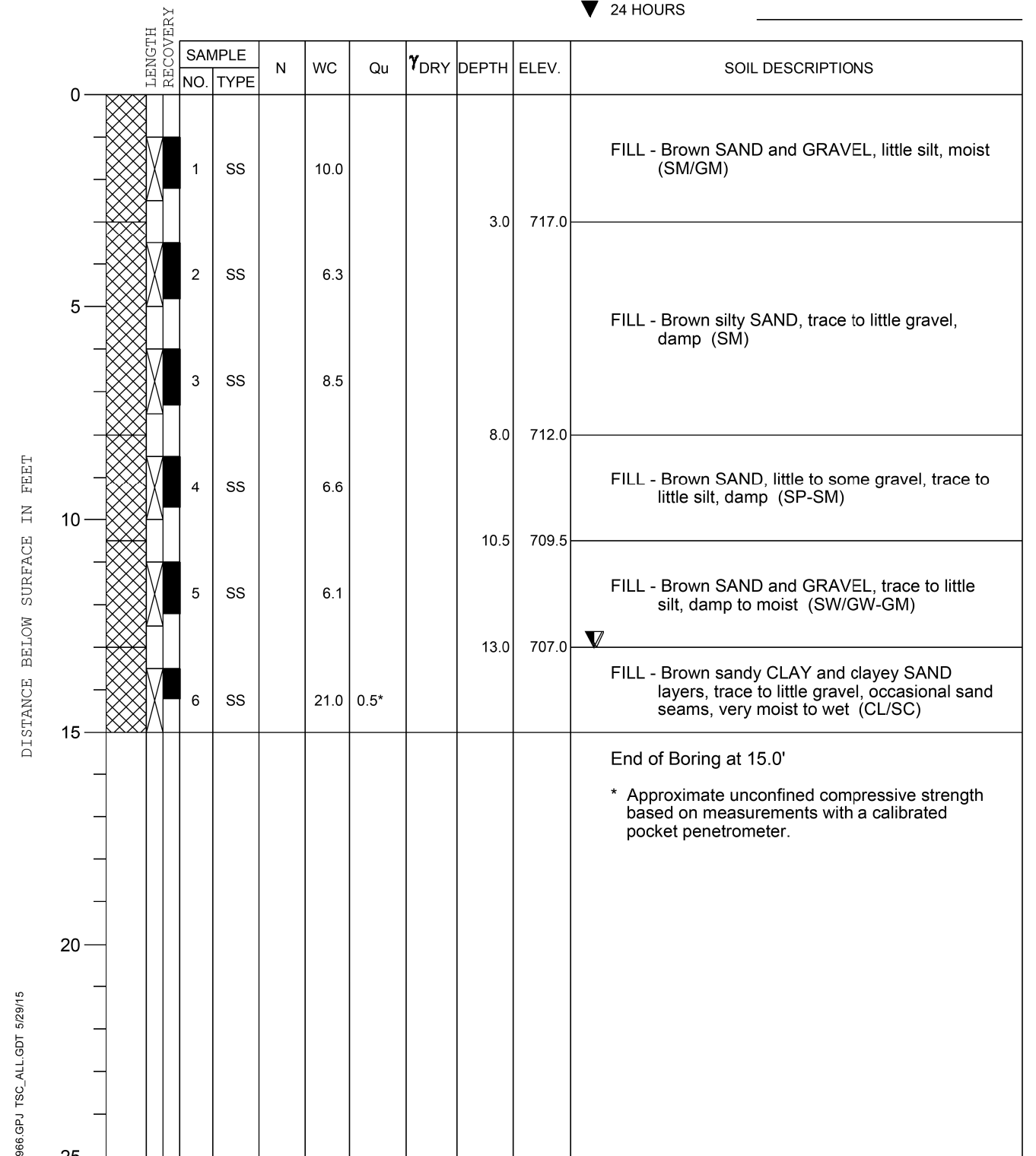
Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

PROJECT **Fox River Trail Tunnel, Raymond Street Forest Preserve, Elgin, IL**
 CLIENT **Wills Burke Kelsey Associates, Ltd., St. Charles, IL**
 BORING **3** DATE STARTED **2-9-15** DATE COMPLETED **2-9-15** JOB **L-81,966**



ELEVATIONS
 GROUND SURFACE **720.0**
 END OF BORING **705.0**

WATER LEVEL OBSERVATIONS
 WHILE DRILLING **13.0'**
 AT END OF BORING **13.0'**
 24 HOURS



DRILL RIG NO. **HA**

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

FILE NAME = W:\Projects\2015\150274_RaymondStFRPH\1\cadd\Structural\Dgn\RaymondStTunnel-015-Soil Boring Log Log.dgn



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PLOT DATE = 3/21/2019	DRAWN - JMM	REVISED -
	CHECKED - DLS	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

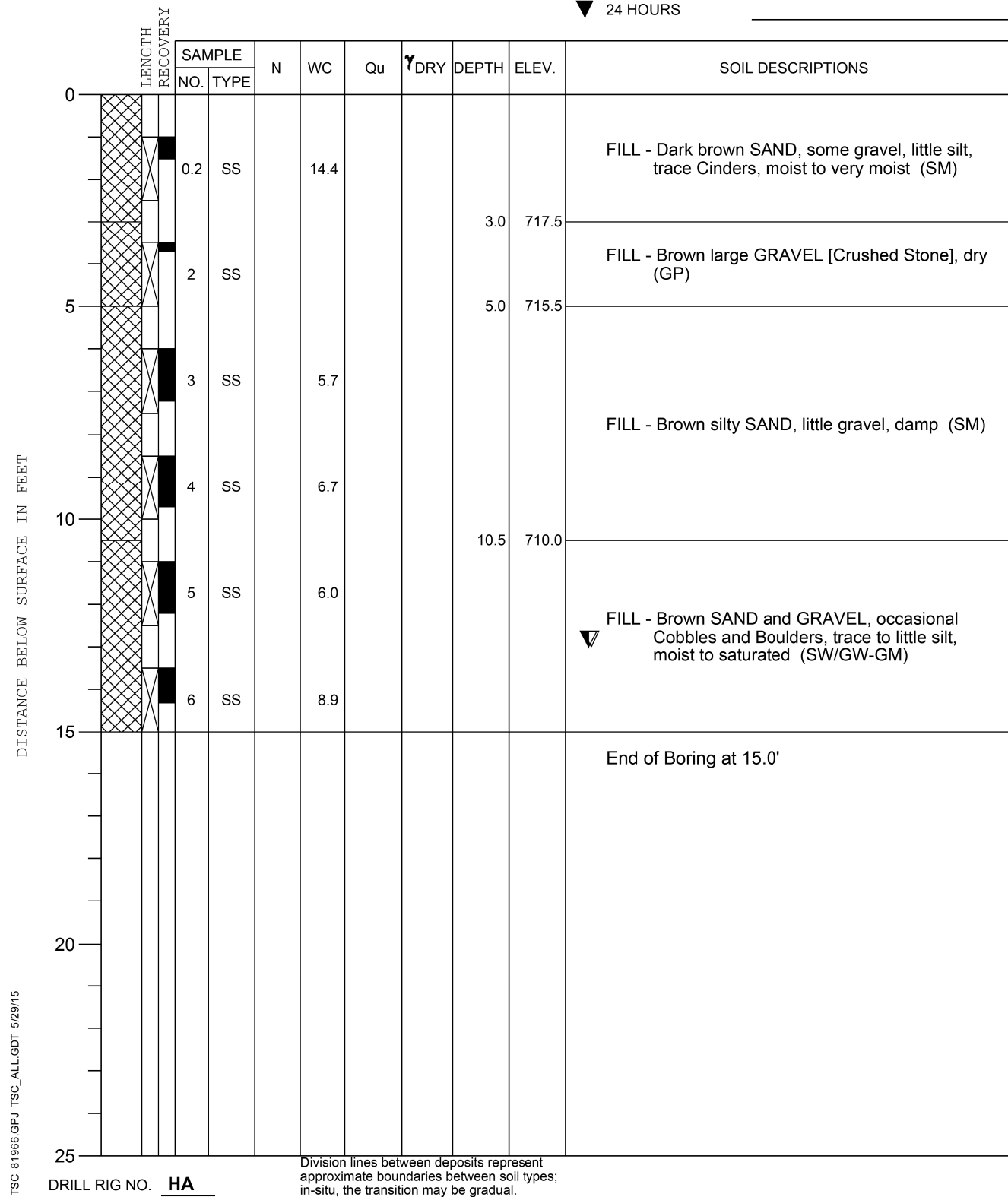
SOIL BORING LOG I
 FOX RIVER TRAIL RE-ROUTE
 SHEET NO. 15 OF 16 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFF	14-F3000-07-BT	KANE	109	65
CONTRACT NO. 61E01				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PROJECT **Fox River Trail Tunnel, Raymond Street Forest Preserve, Elgin, IL**
 CLIENT **Wills Burke Kelsey Associates, Ltd., St. Charles, IL**
 BORING **4** DATE STARTED **2-9-15** DATE COMPLETED **2-9-15** JOB **L-81,966**



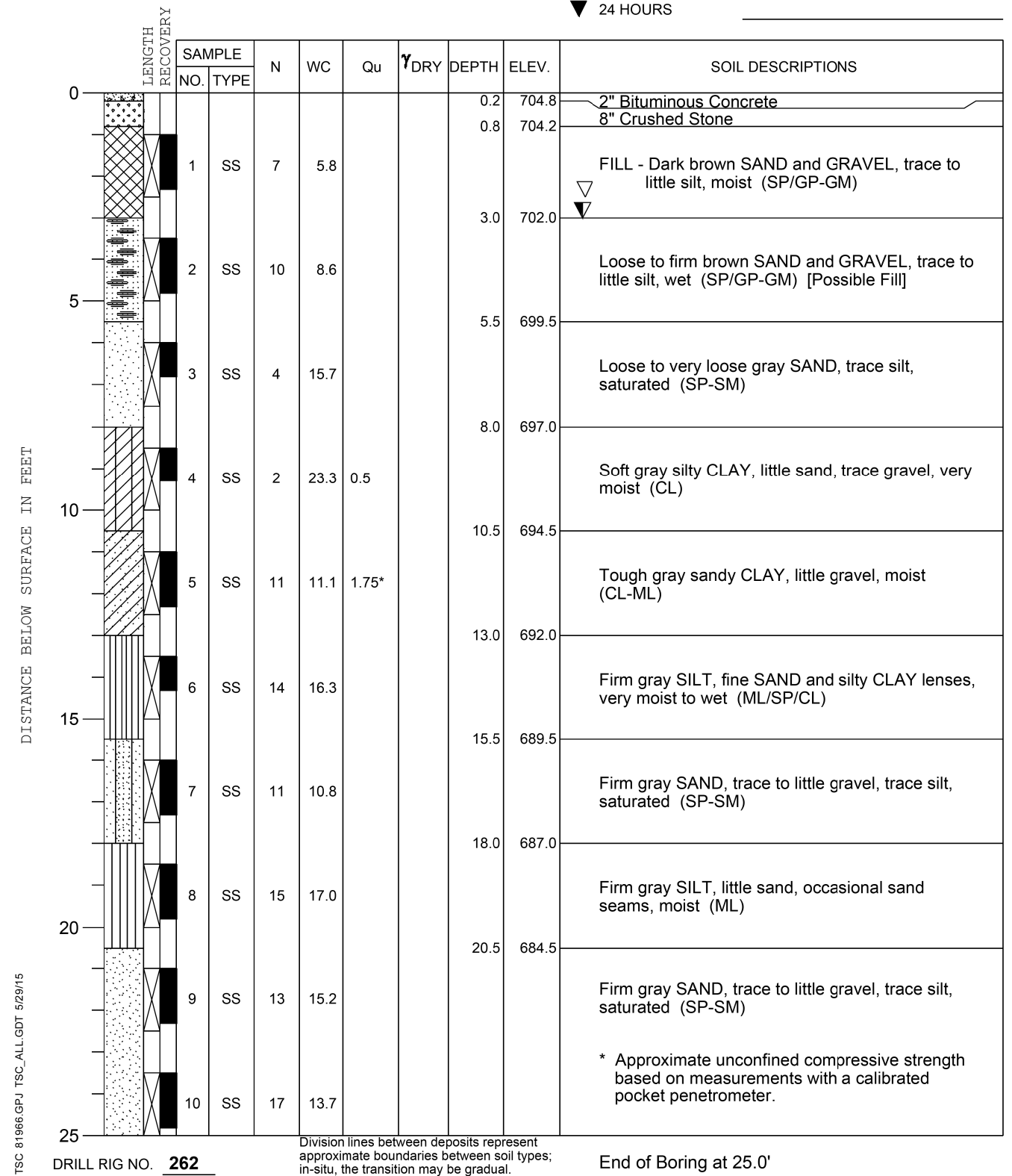
ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE **720.5** WHILE DRILLING **13.0'**
 END OF BORING **705.5** AT END OF BORING **13.0'**
 24 HOURS



PROJECT **Fox River Trail Tunnel, Raymond Street Forest Preserve, Elgin, IL**
 CLIENT **Wills Burke Kelsey Associates, Ltd., St. Charles, IL**
 BORING **5** DATE STARTED **2-10-15** DATE COMPLETED **2-10-15** JOB **L-81,966**



ELEVATIONS WATER LEVEL OBSERVATIONS
 GROUND SURFACE **705.0** WHILE DRILLING **3.0'**
 END OF BORING **680.0** AT END OF BORING **2.5'**
 24 HOURS



FILE NAME = W:\Projects\2015\150274_RaymondStFRPH\1\ceadd\Structural\Dgn\RaymondStTunnel-016-Soil Boring Log_IL.dgn

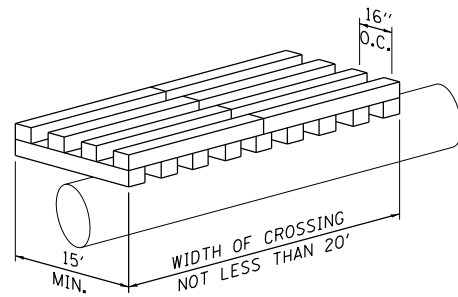
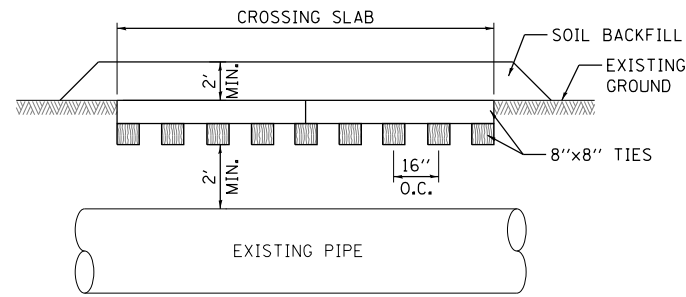


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PLOT DATE = 3/21/2019	DRAWN - JMM	REVISED -
	CHECKED - DLS	REVISED -

STATE OF ILLINOIS
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SOIL BORING LOG II
FOX RIVER TRAIL RE-ROUTE
SHEET NO. 16 OF 16 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OFF	14-F3000-07-BT	KANE	109	66
CONTRACT NO. 61E01				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

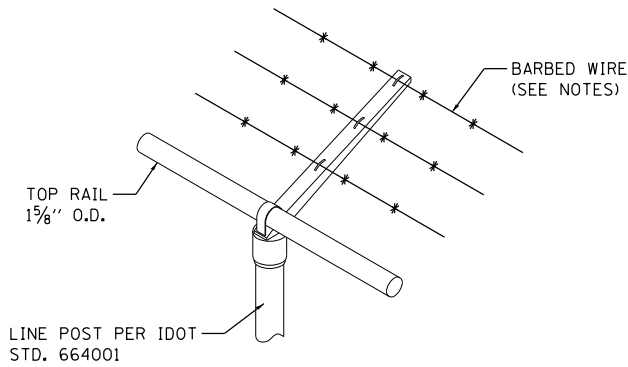


**RAILROAD TIE SLAB
CROSSING FOR HEAVY EQUIPMENT
CROSSING PIPELINE**

N.T.S.

NOTES:

- CROSSING TO BE PAID FOR AS "UTILITY PROTECTION PAD."
- LAY TIES IN TWO LAYERS. SET LOWER TIES AND BACKFILL TO TOP OF TIES; SET SECOND LAYER AND BACKFILL TO GRADE.
- PROVIDE TEMPORARY FENCE TO DEFINE CROSSING
- MAINTAIN TEMPORARY FENCING DURING CONSTRUCTION
- MAX LOADING: WHEEL LOAD: 15,000 LBS
TRUCK LOAD: 80,000 LBS



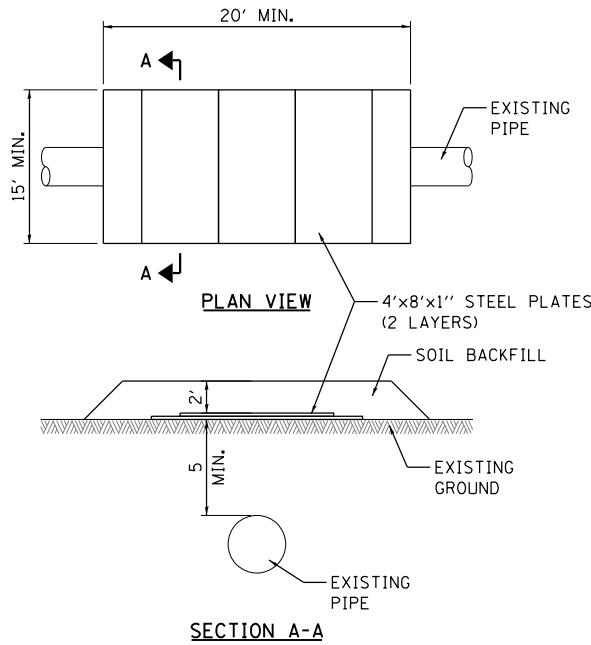
**BARBED WIRE FENCE
SUPPORT ARM**

N.T.S.

STA. 3+43.6 TO 4+49.9, FOX RIVER TRAIL
STA. 10+41.2 TO 17+25.0, FOX RIVER TRAIL

NOTES:

- SEE IDOT STD. 664000 FOR ADDITIONAL INFORMATION RELATING TO THE CHAIN LINK FENCE CONSTRUCTION.
- BARB WIRE SHALL MEET REQUIREMENTS OF SECTION 1006.28(b) OF THE STANDARD SPECIFICATIONS.

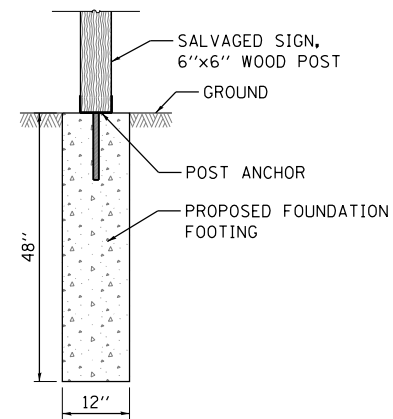


**STEEL PLATE SLAB ALTERNATE
CROSSING FOR HEAVY EQUIPMENT
CROSSING PIPELINE**

N.T.S.

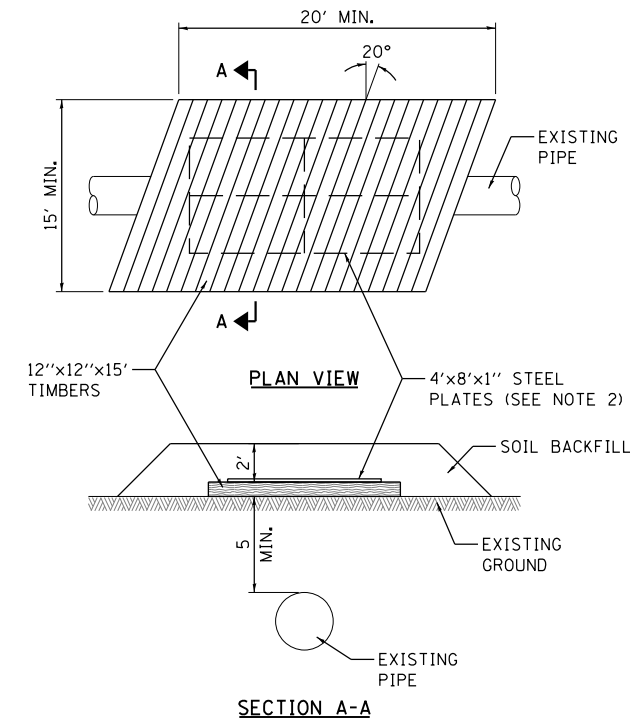
NOTES:

- CROSSING TO BE PAID FOR AS "UTILITY PROTECTION PAD."
- STEEL PLATES SHALL BE 4'x8'x1". GRADE OF STEEL SHALL BE A-36.
- PLACE STEEL SHEETS IN TWO LAYERS AS SHOWN ABOVE. ALIGNMENT OF THE UPPER LAYER SHALL BE PERPENDICULAR TO THE LOWER LAYER WITH 2' OF COVER OVER STEEL PLATES.
- PROVIDE TEMPORARY FENCE TO DEFINE CROSSING.
- MAINTAIN TEMPORARY FENCING DURING CONSTRUCTION.
- EXCAVATING EQUIPMENT CAN NOT BE OPERATED WHILE SITTING ON PROTECTIVE STRUCTURE.



**KIOSK POST ANCHOR
AND FOOTING DETAIL**

N.T.S.

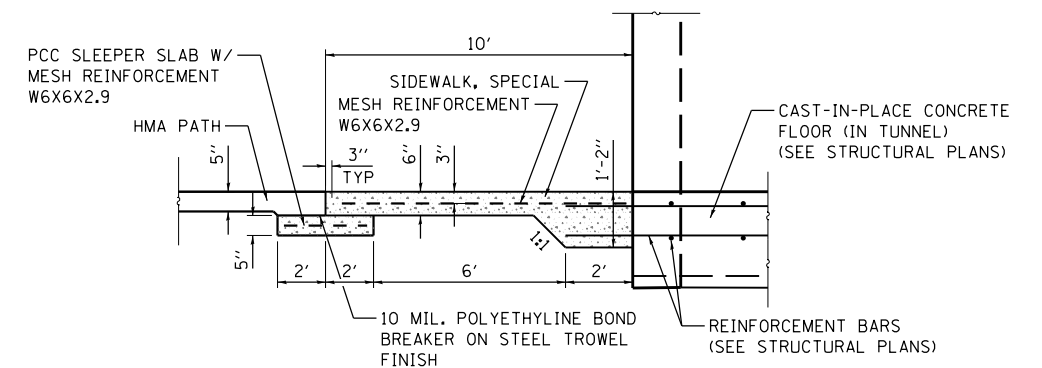


**WOON TIMBER SLAB ALTERNATE
CROSSING FOR HEAVY EQUIPMENT
CROSSING PIPELINE**

N.T.S.

NOTES:

- CROSSING TO BE PAID FOR AS "UTILITY PROTECTION PAD."
- 12"x12"x15' TIMBERS LAID SIDE BY SIDE ON GRADE, 20° OFF PERPENDICULAR TO PIPE CENTERLINE WITH 2' OF COVER OVER TIMBERS.
- IF POOR SOIL CONDITIONS EXIST, STEEL PLATES CENTERED ON TOP OF TIMBERS MAY BE REQUIRED AS SHOWN ABOVE.
- STEEL PLATES SHALL BE 4'x8'x1". GRADE OF STEEL SHALL BE A-36.
- PROVIDE TEMPORARY FENCE TO DEFINE CROSSING.
- MAINTAIN TEMPORARY FENCING DURING CONSTRUCTION.
- EXCAVATING EQUIPMENT CAN NOT BE OPERATED WHILE SITTING ON PROTECTIVE STRUCTURE.



NOTES:

- MESH REINFORCEMENT AND SLEEPER SLAB ARE NOT MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF "SIDEWALK, SPECIAL."
- THE CONCRETE SHALL BE "CLASS S1" AS REQUIRED IN SECTION 1020 OF THE STANDARD SPECIFICATIONS.

SIDEWALK, SPECIAL DETAIL

N.T.S.

FILE NAME = W:\Projects\2015\150274_RaymondSt\FRTPH\1\cadd\Civil\06gn\Sh\DETAIL_01.dgn



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CHECKED - SBP
DATE - 03/21/19

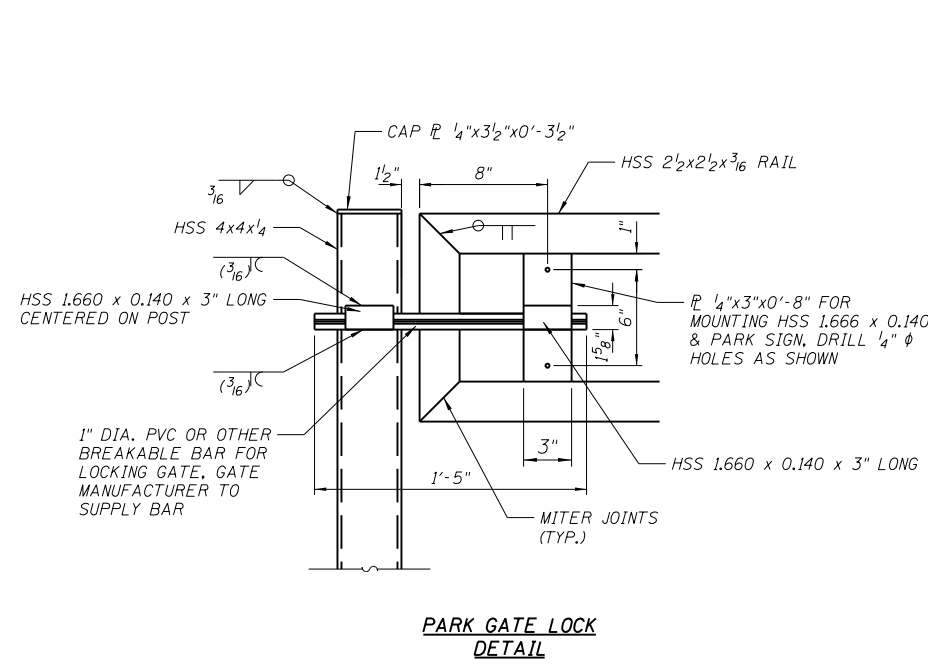
REVISER -
REVISION -
REVISER -
REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

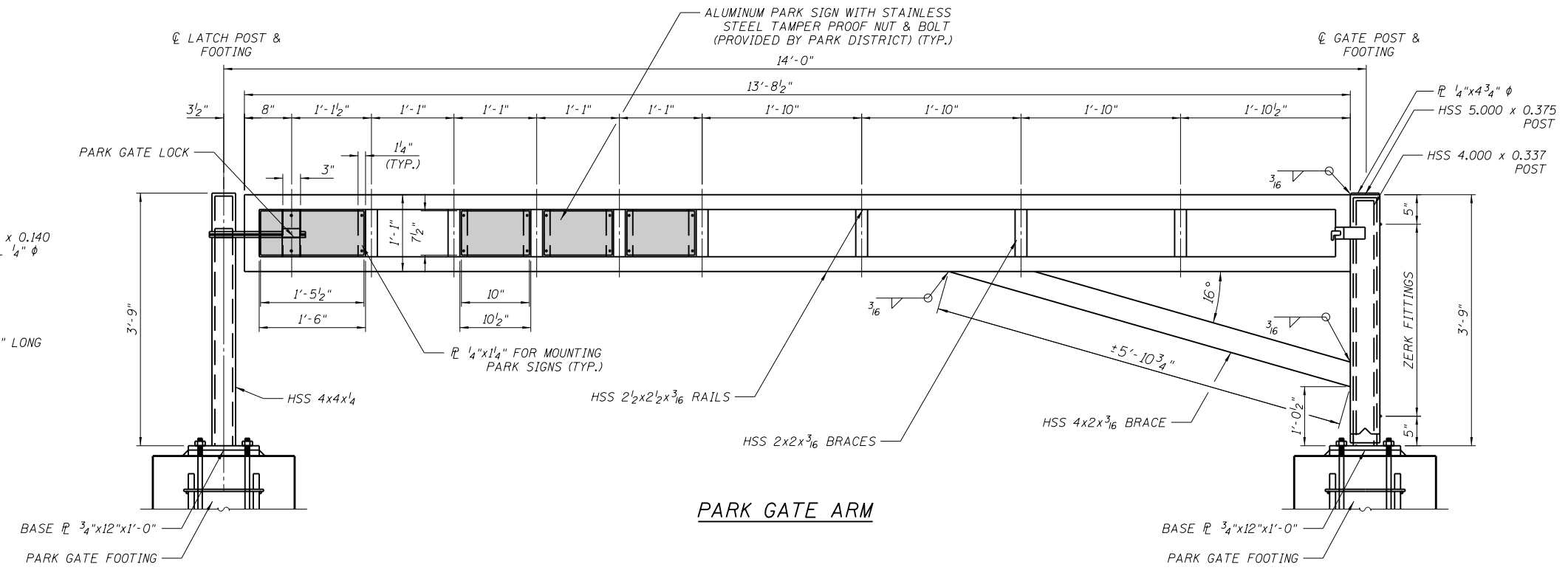
GENERAL DETAILS
SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	67
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

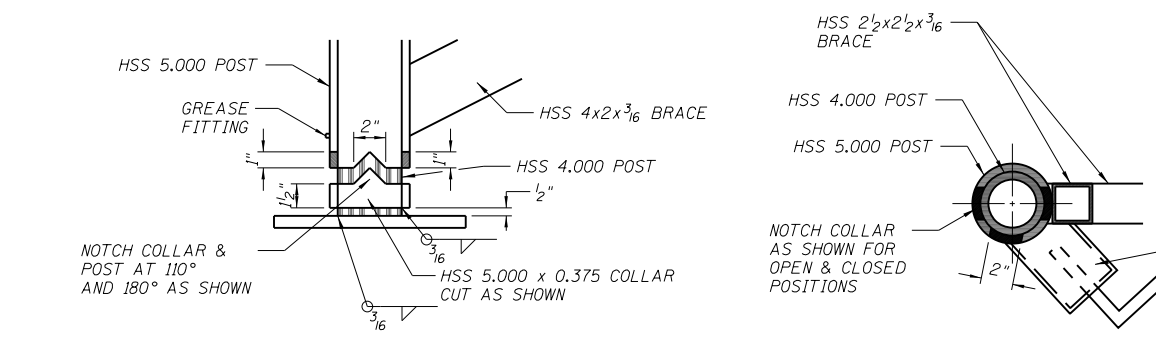
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PARK GATE LOCK DETAIL



PARK GATE ARM

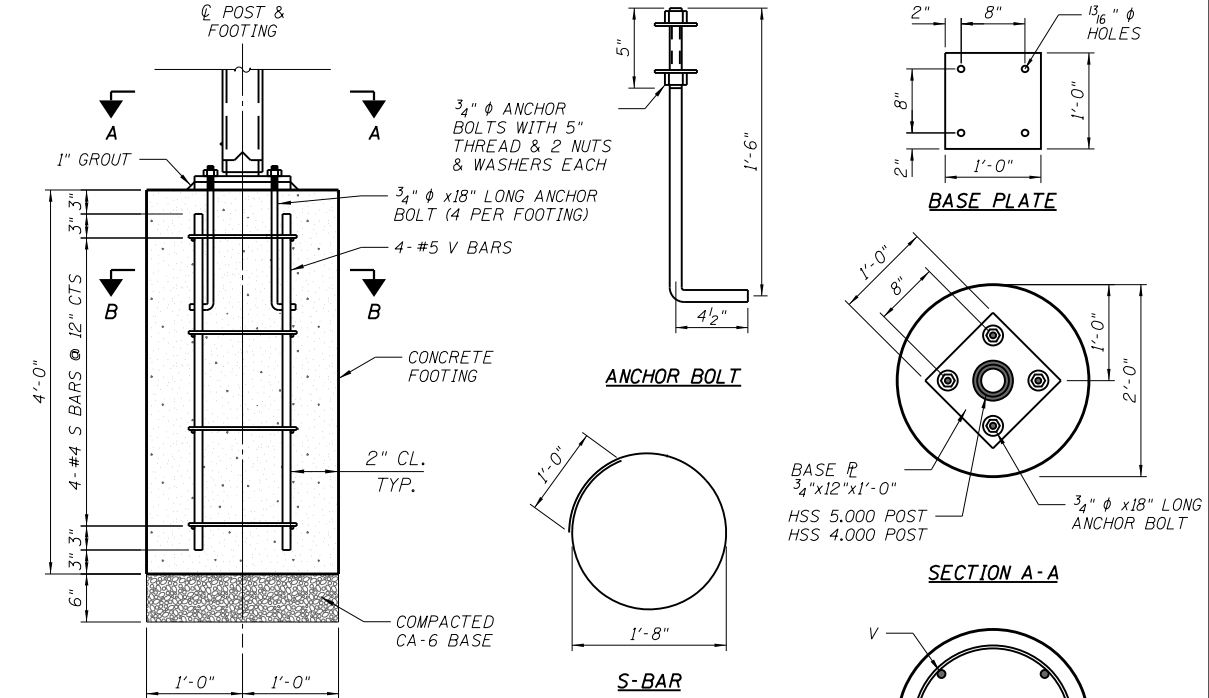


PARK GATE POST

NOTES:

1. THE ENTRANCE GATE SHALL CONFORM TO THE SPECIAL PROVISION, "GATE, SPECIAL."
2. THIS PARK ENTRANCE GATE, POSTS & FOOTINGS SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE PAID FOR AS EACH FOR "GATE, SPECIAL."
3. SEE CROSS SECTION 4+55.00 IN THE CROSS SECTION SHEETS FOR ROADWAY & DITCH ELEVATIONS.

LOCKING MECHANISM PROVIDED & INSTALLED BY THE PARK DISTRICT AFTER INSTALLATION OF THE PARK ENTRANCE GATE (TYP.)



PARK GATE FOOTING

BILL OF MATERIAL
FOR INFORMATION ONLY

BAR	NO.	SIZE	LENGTH	SHAPE
V	8	#5	3'-6"	—
S	8	#4	6'-3"	○



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PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DETAILS

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

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	68
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

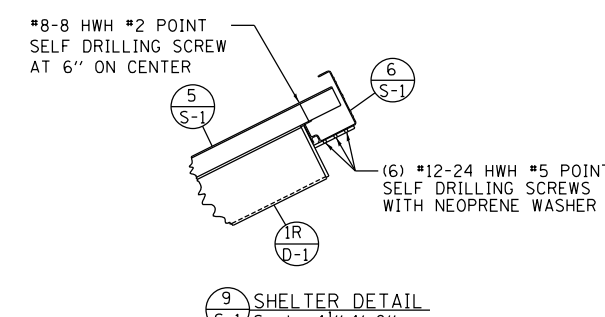
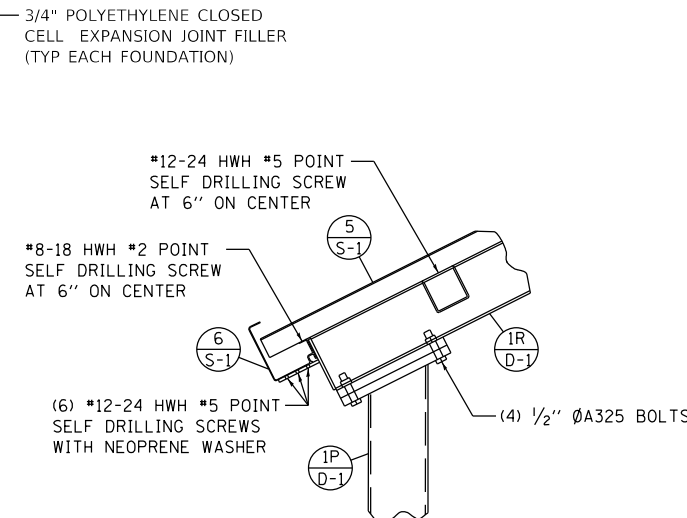
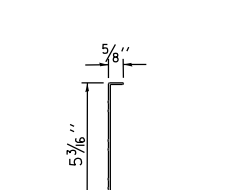
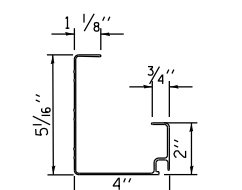
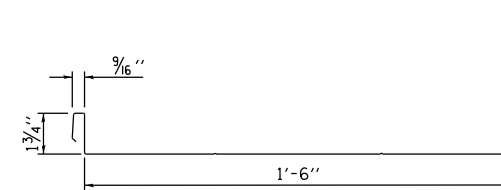
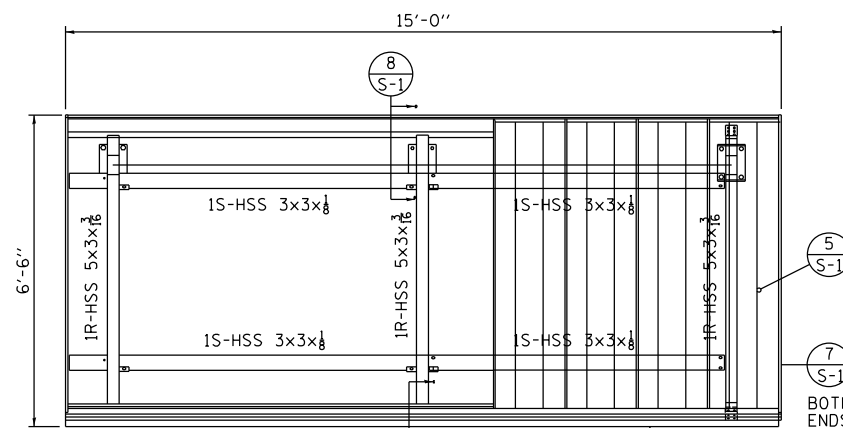
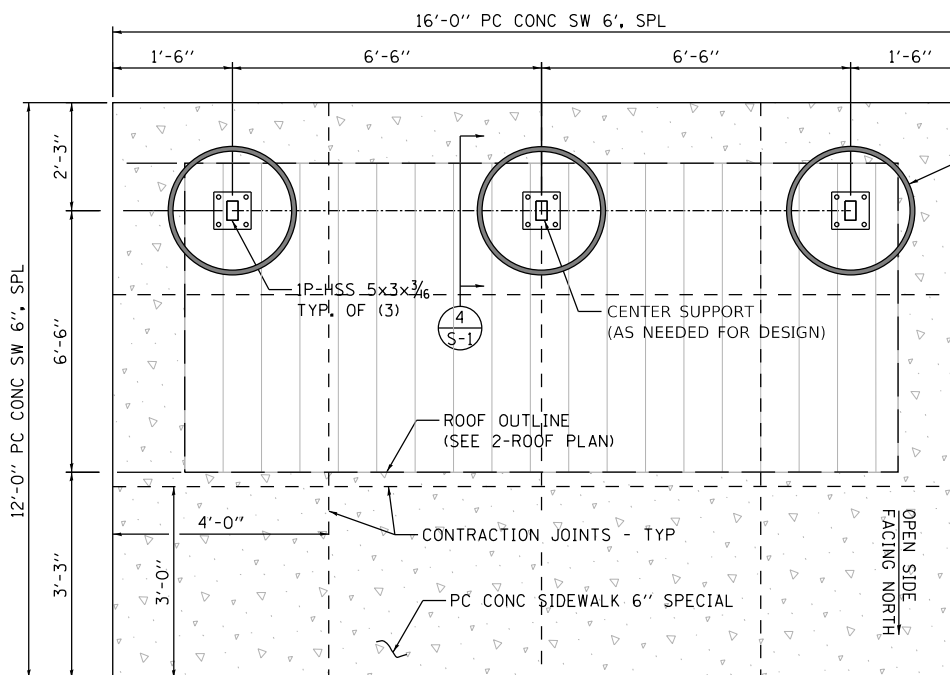
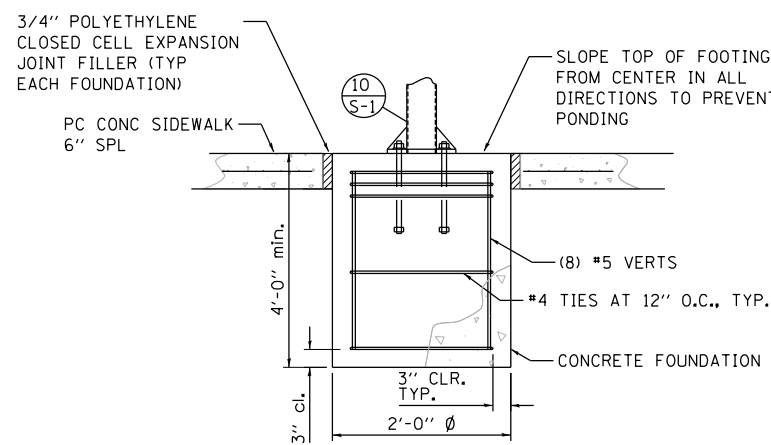
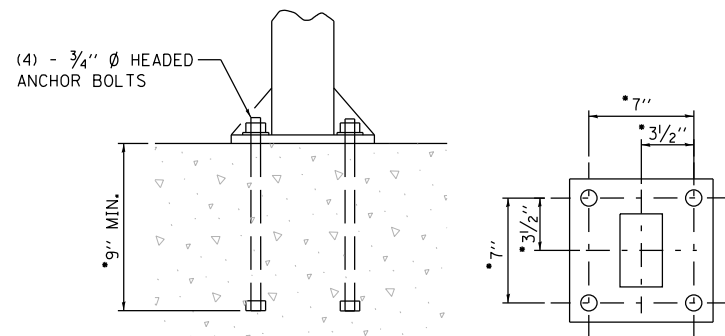
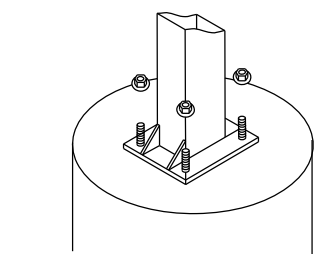
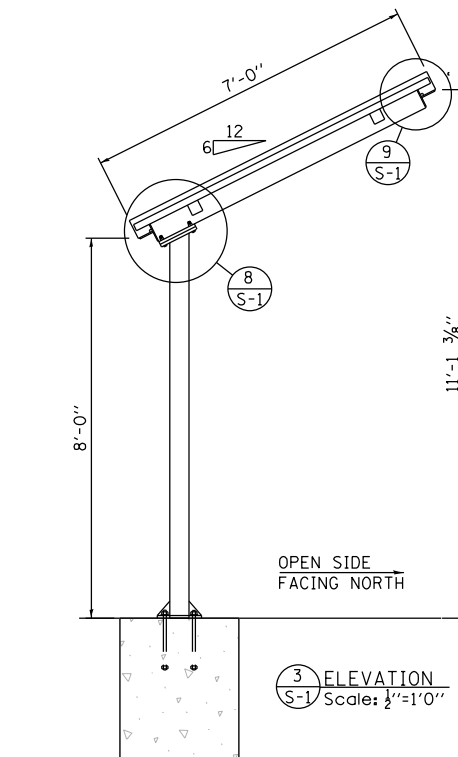
NOTES:

THE BIKE & SOLAR PANEL SHELTER SHALL CONFORM TO THE GENERAL CONCEPT AND OVERALL DIMENSIONS AS OUTLINED ON THE PLANS, INCLUDING LENGTH, WIDTH, HEIGHT AND ROOF SLOPE. AS A MINIMUM, DESIGN PARAMETERS AS SHOWN SHALL BE UTILIZED BY THE FABRICATOR FOR DESIGN. A CENTER SUPPORT COLUMN SHALL BE ADDED AS SHOWN IF NEEDED FOR DESIGN. SHOULD TWO COLUMNS SUFFICE, THE CENTER SUPPORT MAY BE OMITTED. THIS WILL BE DETERMINED BY THE MANUFACTURER AND/OR FABRICATOR. SEE SPECIAL PROVISION "BIKE AND SOLAR PANEL SHELTER" FOR ADDITIONAL INFORMATION.

THE CONCRETE FOUNDATION CONFIGURATION IS A MINIMUM RECOMMENDATION ONLY. ACTUAL SOIL CONDITIONS AT SHELTER LOCATION SHALL BE VERIFIED AND ANY REQUIRED ADJUSTMENTS TO THE CONFIGURATION SHALL BE DESIGNED BY AN LICENSED ILLINOIS STRUCTURAL ENGINEER.

BASIS OF DESIGN	
MINIMUM DESIGN PARAMETERS	
DESIGN ROOF DEAD LOAD	10 PSF
ROOF LIVE LOAD	20 PSF
GROUND SNOW LOAD	20 PSF
SOIL DESIGN BEARING STRENGTH	1500 PSF
CODES:	2015 IBC ASCE 7-16
BUILDING DATA	
OCCUPANCY CLASSIFICATION	A-3 (NON-SEPARATED USE)
CONSTRUCTION TYPE	TYPE II-B
FLOOR AREA	97 SQ. FT.
OCCUPANCY LOAD	7 SQ. FT./ OCCUPANT=13 OCCUPANTS/ SHELTER

DESIGN CRITERIA	
WIND DESIGN CRITERIA	
BASIC WIND SPEED (3 SECOND GUST)	115 MPH
WIND IMPORTANCE FACTOR	I _w = 1.0
RISK CATEGORY	II
WIND EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT	N/A (OPEN STRUCTURE)
SEISMIC DESIGN CRITERIA	
SEISMIC IMPORTANCE FACTOR	I _s = 1.0
RISK CATEGORY	II
SPECTRAL RESPONSE ACCELERATION, 0.2 SEC	S _s = 0.223
SPECTRAL RESPONSE ACCELERATION, 1.0 SEC	S _s = 0.070
SOIL SITE CLASS	D (ASSUMED)
SPECTRAL RESPONSE COEFFICIENT, S _w	0.238
SPECTRAL RESPONSE COEFFICIENT, S _u	0.111
SEISMIC DESIGN CATEGORY	B
BASIC SEISMIC FORCE RESISTING SYSTEM	CANTILEVERED COLUMN SYSTEM
DESIGN BASE SHEAR	V = C _w W
SEISMIC RESPONSE COEFFICIENT	C _s = 0.19
RESPONSE MODIFICATION FACTOR	R = 1.25
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE



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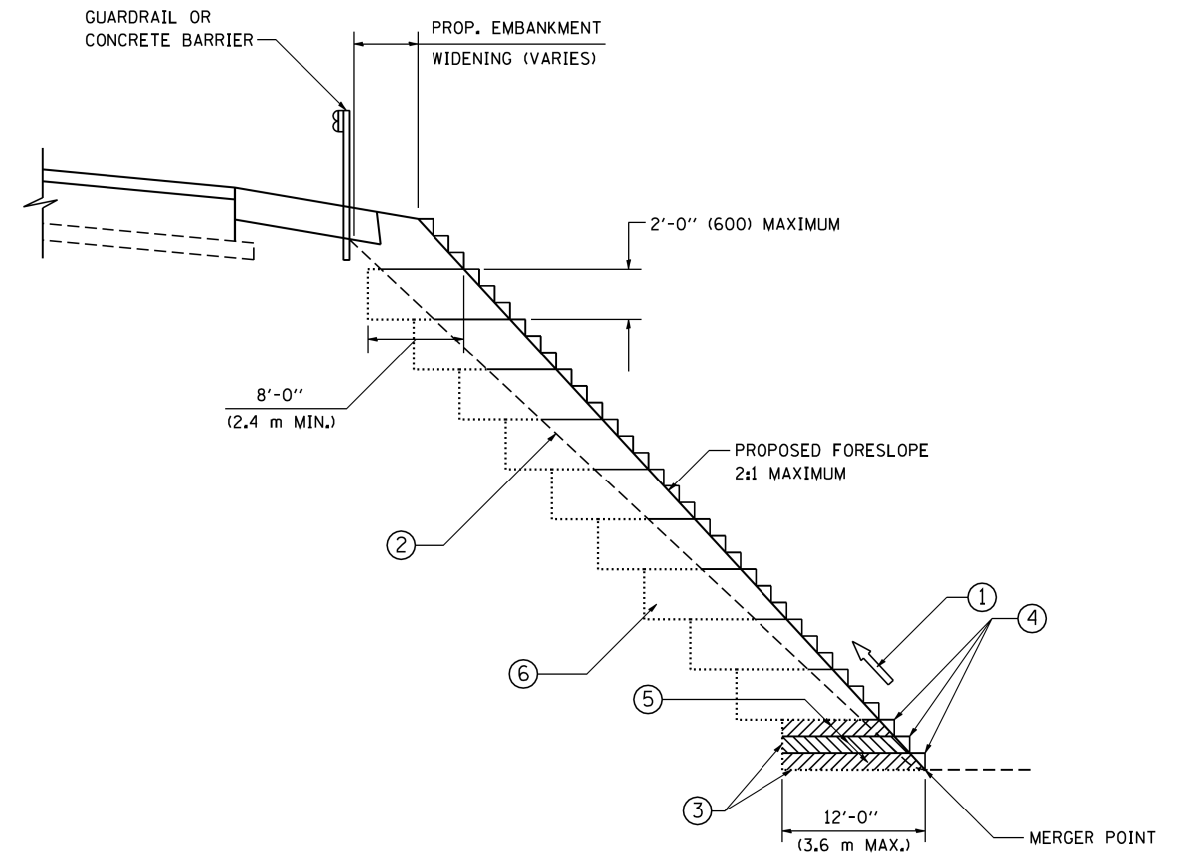
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BIKE & SOLAR PANEL SHELTER
FOR REFERENCE ONLY**

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

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	69
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

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		DRAWN - CADD	REVISED -
		CHECKED - S.E.B.	REVISED -
		DATE - 06-16-04	REVISED -

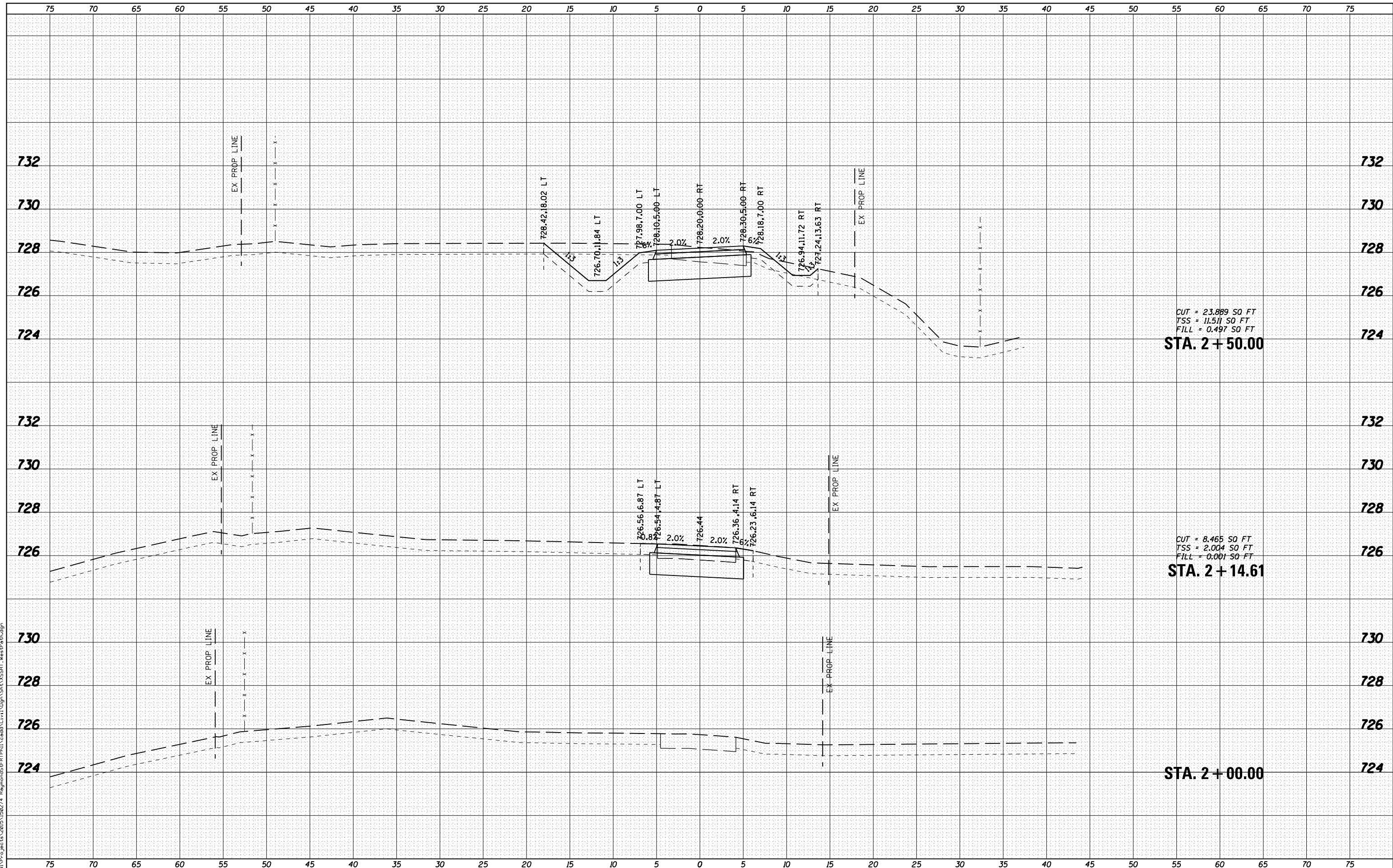
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL FOR EMBANKMENT WIDENING		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		14-F3000-07-BT	KANE	109	70
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	
		BD-51		CONTRACT NO. 61E01	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					

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

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

FILE NAME = K:\Projects\2015\150274_Rapport\55FR1P1\cadd\Cut\1\0gn\Sta.VSSHT_WebP.dwg



WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparris	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:10	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 FOX RIVER TRAIL**

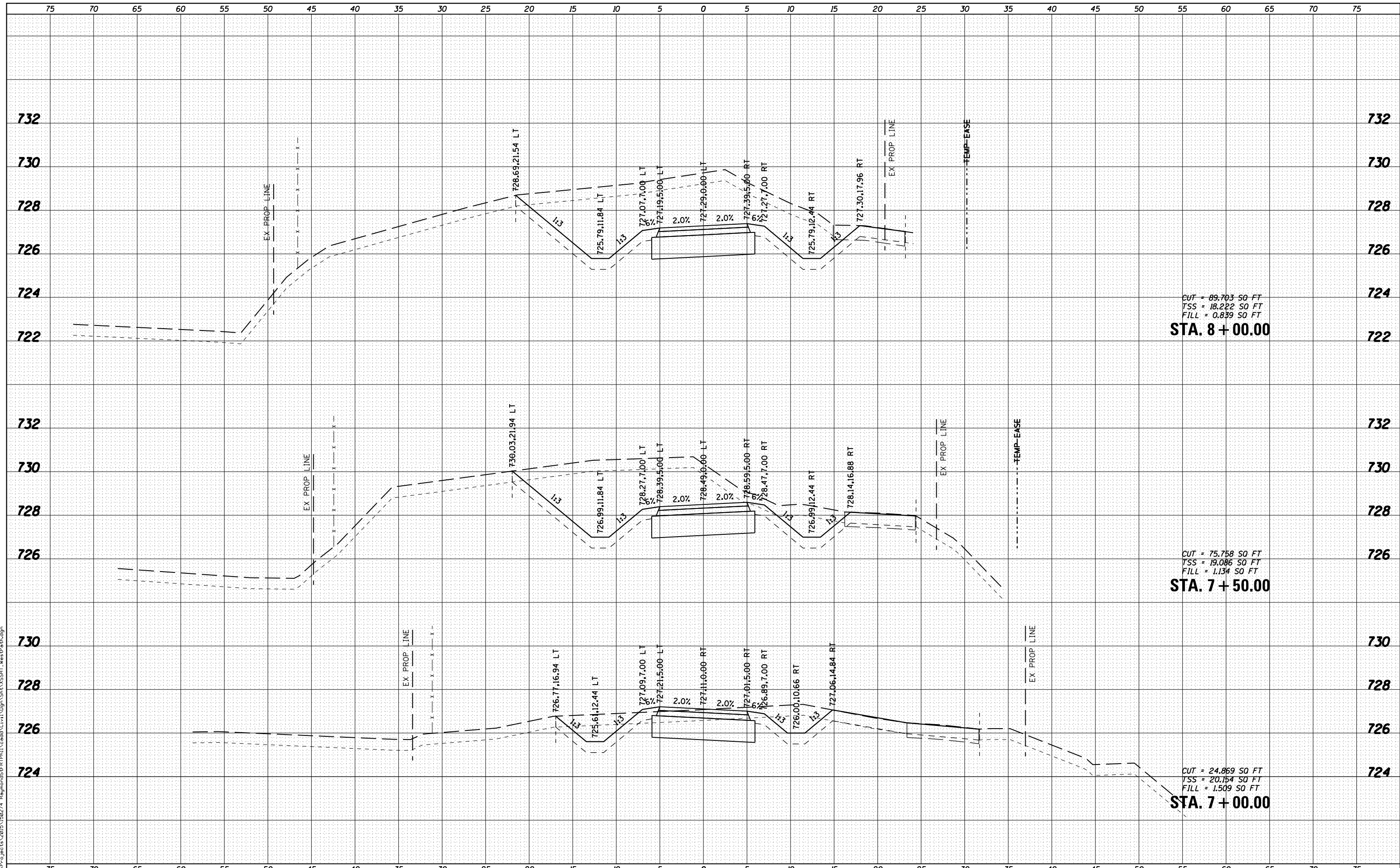
SCALE: H=5 V=2 SHEET NO. 1 OF 20 SHEETS STA. 2+00.00 TO STA. 2+50.00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	71
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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

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

FILE NAME = K:\Projects\2015\150274_Rogers\55FR1PH1\Cross\1110gn\Sta.V5SHT_WebP.dwg



WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparis
DESIGNED - SBP
DRAWN - NDP
CHECKED - SBP
DATE - 03/21/19
PLLOT SCALE = 1:10
PLLOT DATE = 3/21/2019

DESIGNED - SBP	REVISED -
DRAWN - NDP	REVISED -
CHECKED - SBP	REVISED -
DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 FOX RIVER TRAIL**

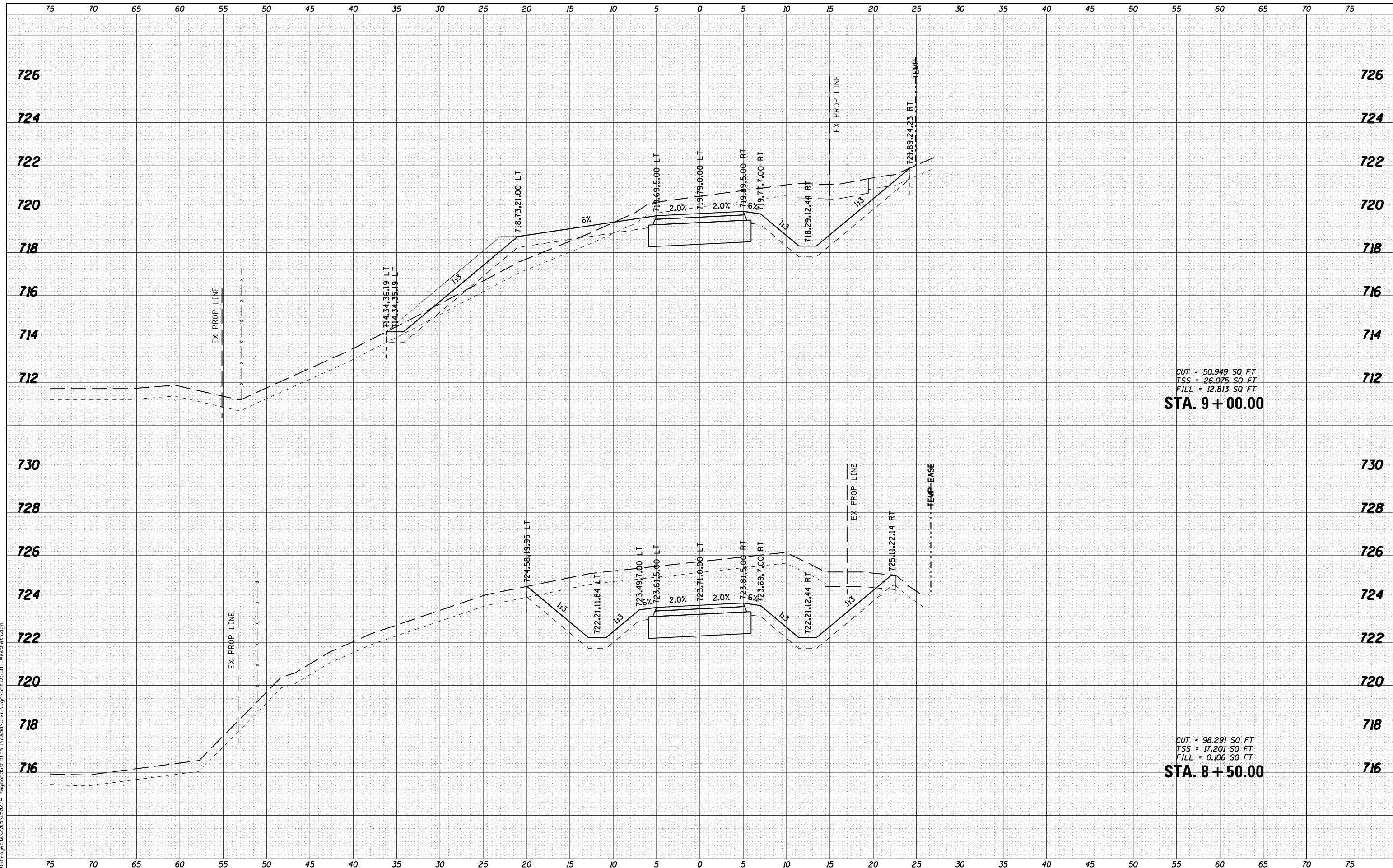
SCALE: H:5 V:2 SHEET NO. 5 OF 20 SHEETS STA. 7+00.00 TO STA. 8+00.00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	75
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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

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

FILE NAME = K:\Projects\2015\150274_Rogers\55FR1\1\cadd\Cut\1\0gn\Sta.V55HT_WebP.dwg



CUT = 50.949 SQ FT
 TSS = 26.075 SQ FT
 FILL = 12.813 SQ FT
STA. 9 + 00.00

CUT = 98.291 SQ FT
 TSS = 17.201 SQ FT
 FILL = 0.106 SQ FT
STA. 8 + 50.00

WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparis
PLOT SCALE = 1:10
PLOT DATE = 3/21/2019

DESIGNED - SBP	REVISED -
DRAWN - NDP	REVISED -
CHECKED - SBP	REVISED -
DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

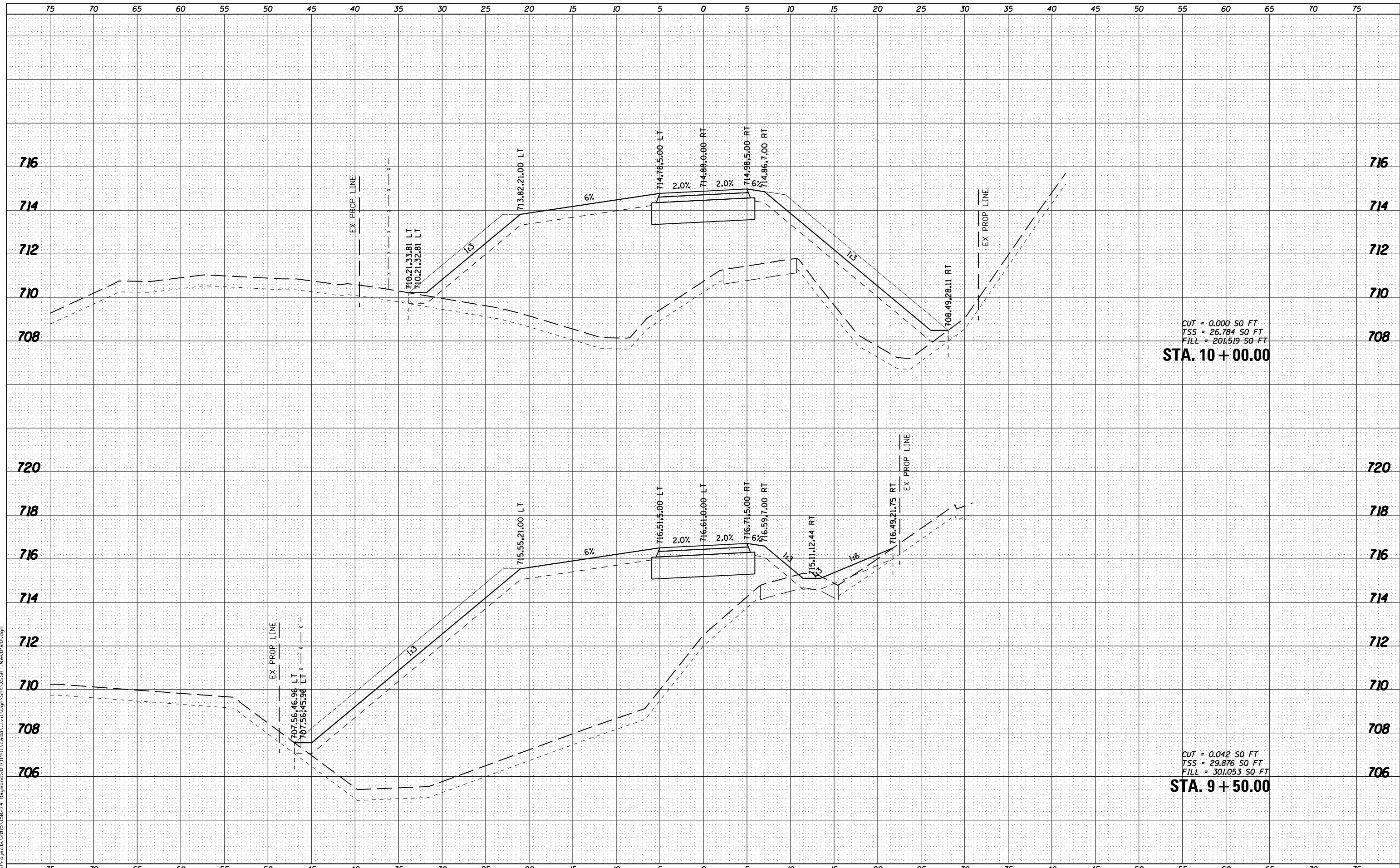
CROSS SECTIONS FOX RIVER TRAIL	
SCALE: H=5 V=2	SHEET NO. 6 OF 20 SHEETS
STA. 8+50.00	TO STA. 9+00.00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	76
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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

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

FILE NAME = K:\Projects\2019\150274_Rogers\55\FRTR\1\Drawn\Cross\Sta. 9+50.00\Sta. VSSHT - WestP.dwg



CUT = 0.000 SQ FT
 TSS = 26.784 SQ FT
 FILL = 201.519 SQ FT
STA. 10 + 00.00

CUT = 0.042 SQ FT
 TSS = 29.876 SQ FT
 FILL = 301.053 SQ FT
STA. 9 + 50.00

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 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME =	nparris
DESIGNED -	SBP
DRAWN -	NDP
CHECKED -	SBP
DATE -	03/21/19
PLLOT SCALE =	1:10
PLLOT DATE =	3/21/2019

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

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 FOX RIVER TRAIL**

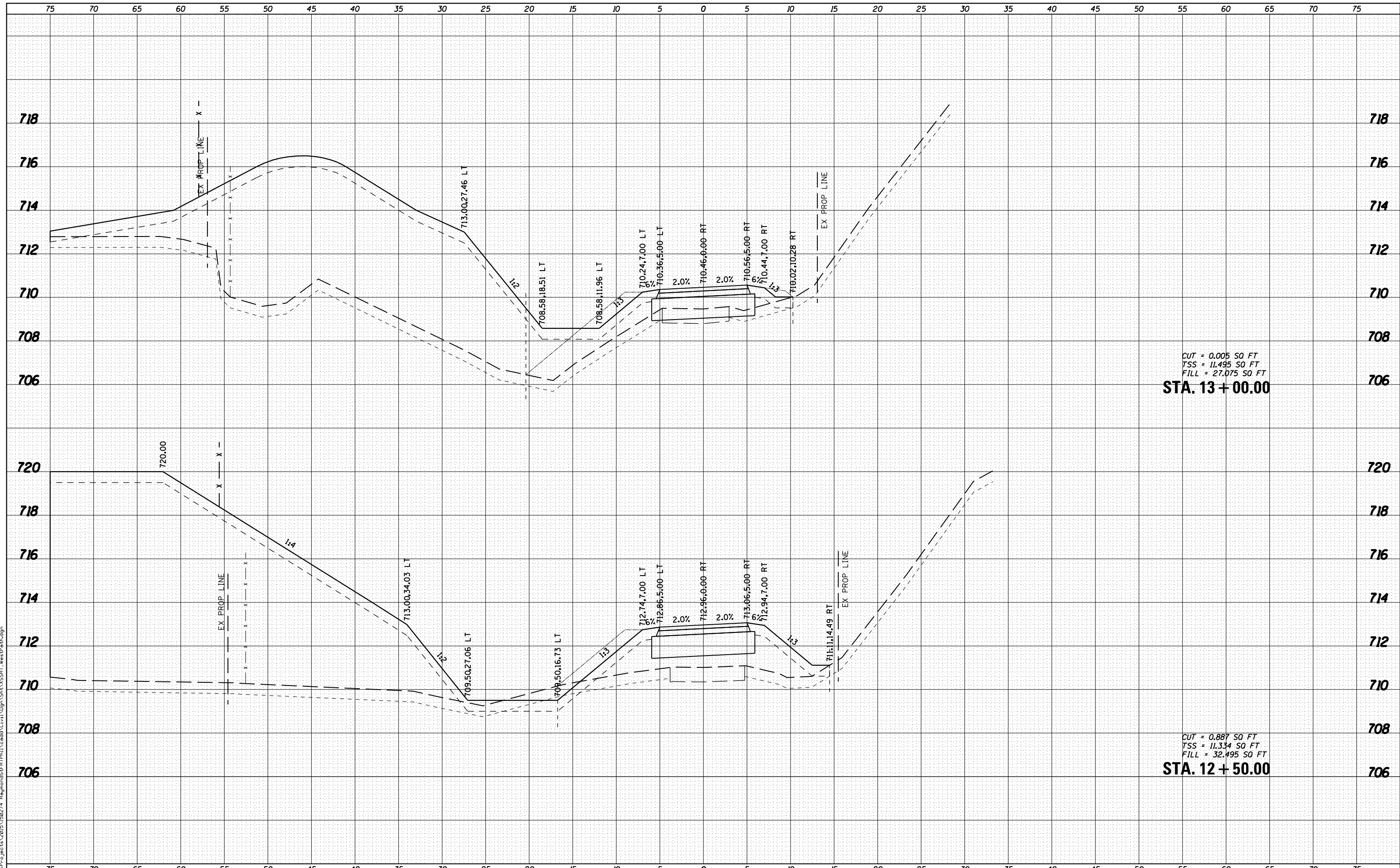
SCALE: H=5 V=2 SHEET NO. 7 OF 20 SHEETS STA. 9+50.00 TO STA. 10+00.00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	77
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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

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

FILE NAME = K:\Projects\2015\150274_Rp\mored5\FRTR\1\cadd\CUT\1\0gn\Sta.VSSHT_12+50.dgn



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 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparis
DESIGNED - SBP
DRAWN - NDP
CHECKED - SBP
DATE - 03/21/19
PLLOT SCALE = 1:10
PLLOT DATE = 3/21/2019

DESIGNED - SBP	REVISED -
DRAWN - NDP	REVISED -
CHECKED - SBP	REVISED -
DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 FOX RIVER TRAIL**

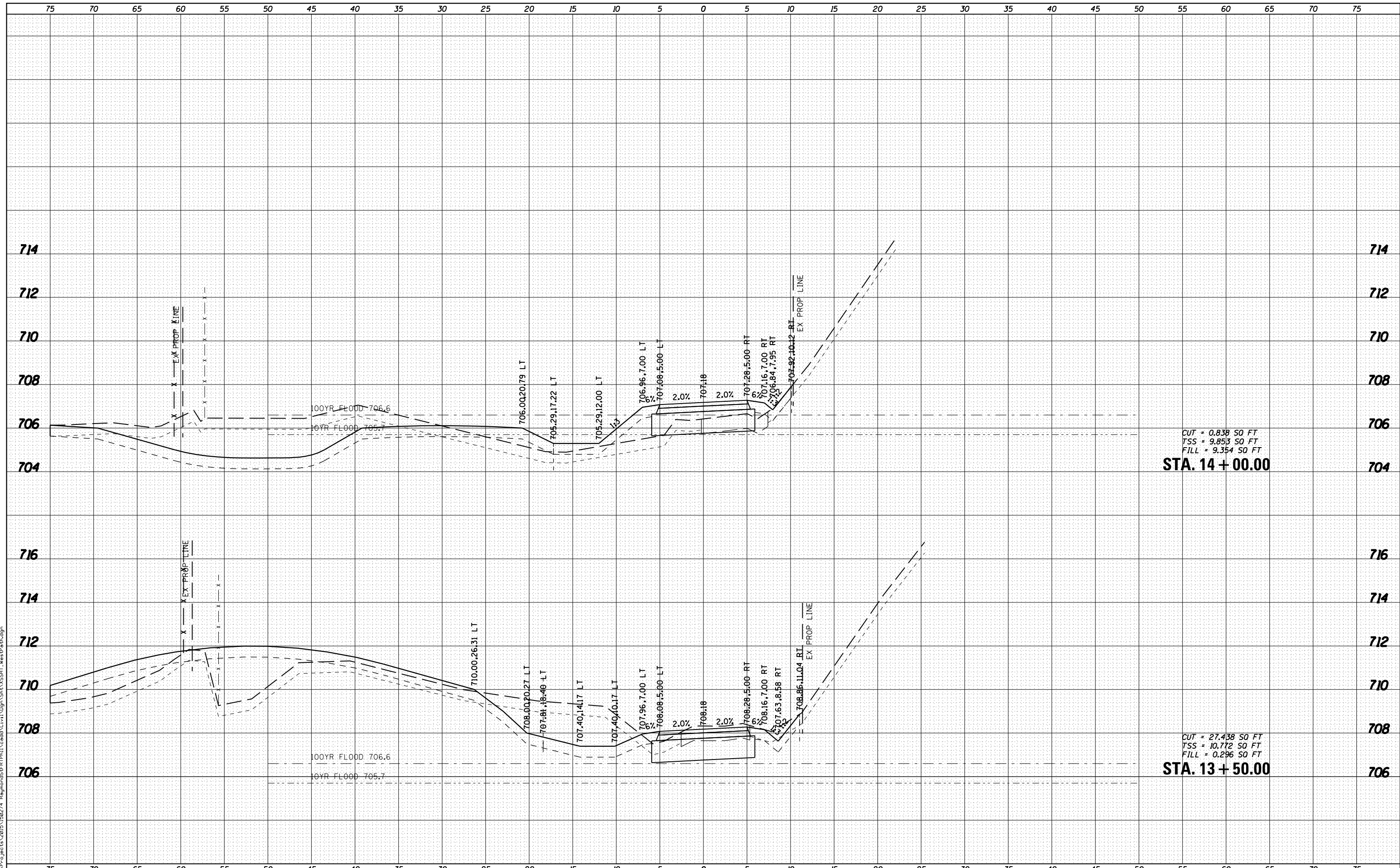
SCALE: H=5 V=2 SHEET NO. 10 OF 20 SHEETS STA. 12+50.00 TO STA. 13+00.00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	80
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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

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

FILE NAME = K:\Projects\2015\150274_Rogers\Drawings\150274_Rogers\150274_Rogers_VSSHT_150274_Rogers_VSSHT_150274_Rogers_VSSHT.dgn



CUT = 0.838 SO FT
 TSS = 9.853 SO FT
 FILL = 9.354 SO FT
STA. 14 + 00.00

CUT = 27.438 SO FT
 TSS = 10.772 SO FT
 FILL = 0.296 SO FT
STA. 13 + 50.00

WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparris
PLOT SCALE = 1:100
PLOT DATE = 3/21/2019

DESIGNED - SBP	REVISED -
DRAWN - NDP	REVISED -
CHECKED - SBP	REVISED -
DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 FOX RIVER TRAIL**

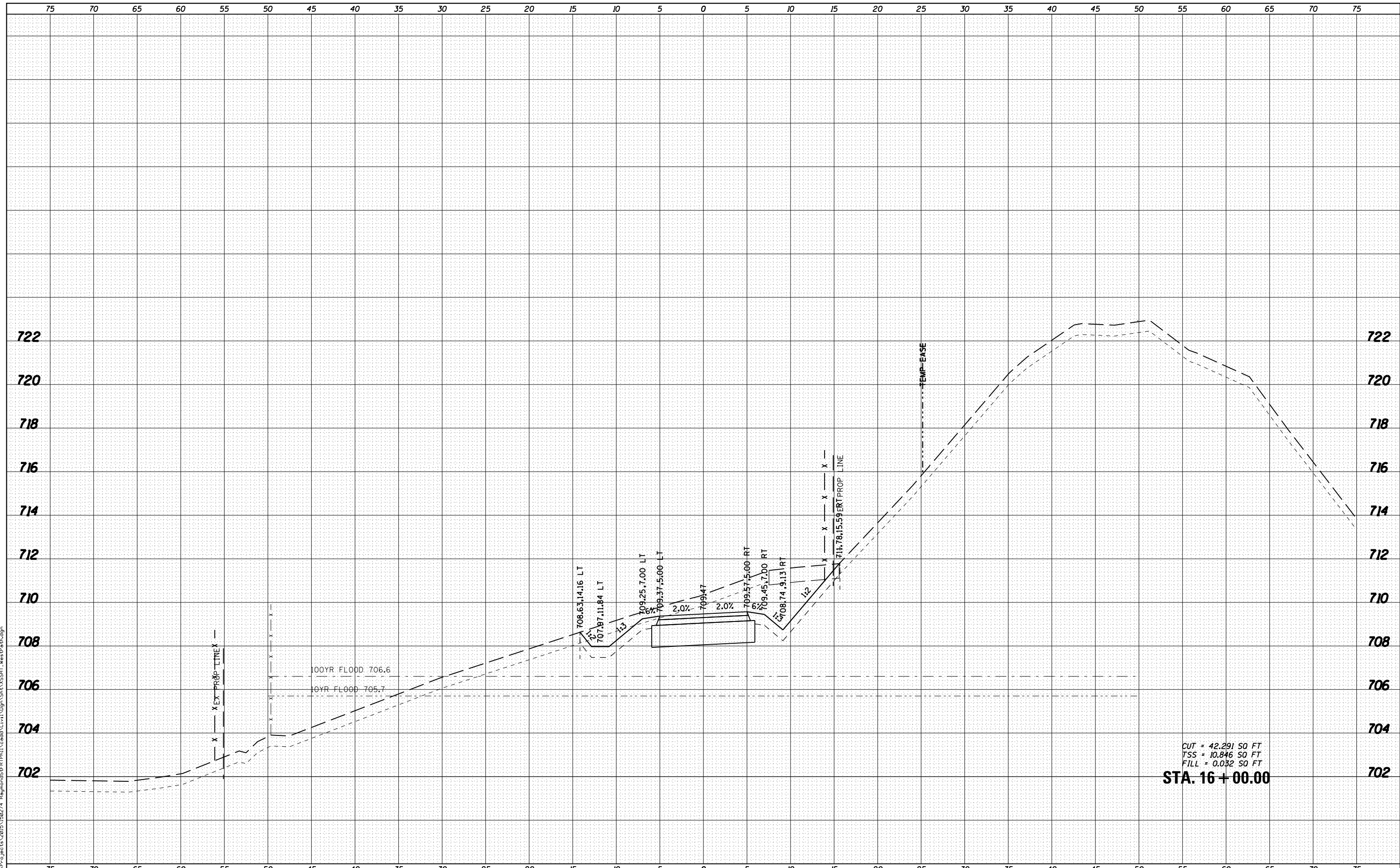
SCALE: H=5 V=2 SHEET NO. 11 OF 20 SHEETS STA. 13+50.00 TO STA. 14+00.00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	81
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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

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

FILE NAME = K:\Projects\2015\150274_Rapport\55FR1PH\1\cadd\cut\1\0gn\Sta.VSSH1.WestP.tbl.dgn



CUT = 42.291 SO FT
TSS = 10.846 SO FT
FILL = 0.032 SO FT
STA. 16 + 00.00

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116 WEST MAIN STREET, SUITE 201
ST. CHARLES, ILLINOIS 60174
(630) 443-7755

USER NAME =	nparris
DESIGNED -	SBP
DRAWN -	NDP
CHECKED -	SBP
DATE -	03/21/19
PLLOT SCALE =	1:10
PLLOT DATE =	3/21/2019

DESIGNED -	SBP	REVISED -
DRAWN -	NDP	REVISED -
CHECKED -	SBP	REVISED -
DATE -	03/21/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
FOX RIVER TRAIL**

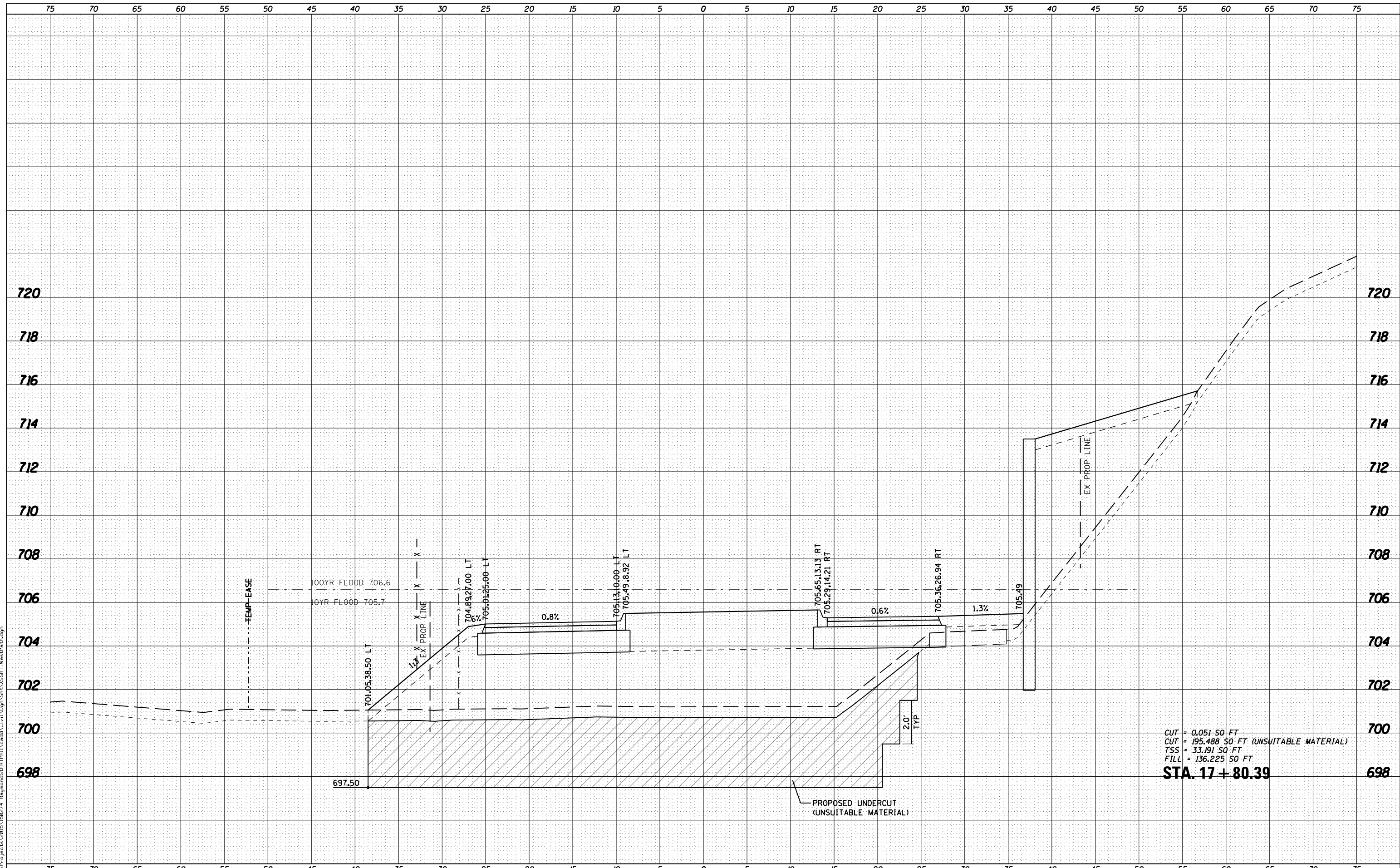
SCALE: H:5 V:2 SHEET NO. 15 OF 20 SHEETS STA. 16+00.00 TO STA. 16+00.00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	85
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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

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

FILE NAME = K:\Projects\2015\150274_Rogers\55FRITPH\Lead\Cut\110gn\Sta_VSSHT_WebP\shdgn



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 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparris
DESIGNED - SBP
DRAWN - NDP
CHECKED - SBP
DATE - 03/21/19
PLLOT SCALE = 1:10
PLLOT DATE = 3/21/2019

DESIGNED - SBP	REVISED -
DRAWN - NDP	REVISED -
CHECKED - SBP	REVISED -
DATE - 03/21/19	REVISED -

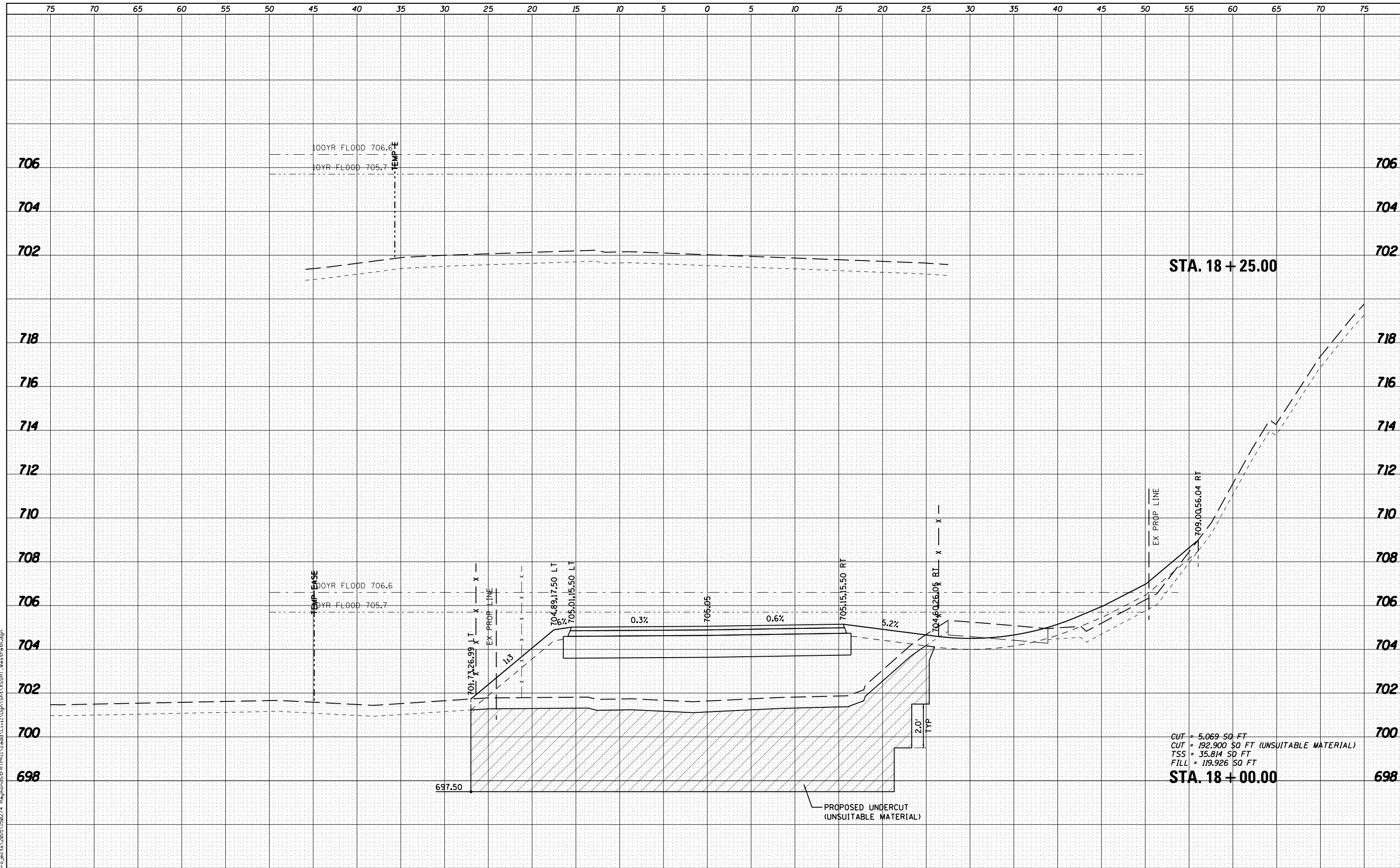
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS FOX RIVER TRAIL	
SCALE: H:5 V:2	SHEET NO. 19 OF 20 SHEETS
STA. 17+80.39	TO STA. 17+80.39

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	89
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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

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



CUT = 5,069 SQ FT
 CUT = 192,900 SQ FT (UNSUITABLE MATERIAL)
 TSS = 35,814 SQ FT
 FILL = 119,926 SQ FT
STA. 18+00.00

WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparris	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:10	DRAWN - NDP	REVISED -
PLOT DATE = 3/21/2019	CHECKED - SBP	REVISED -
	DATE - 03/21/19	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

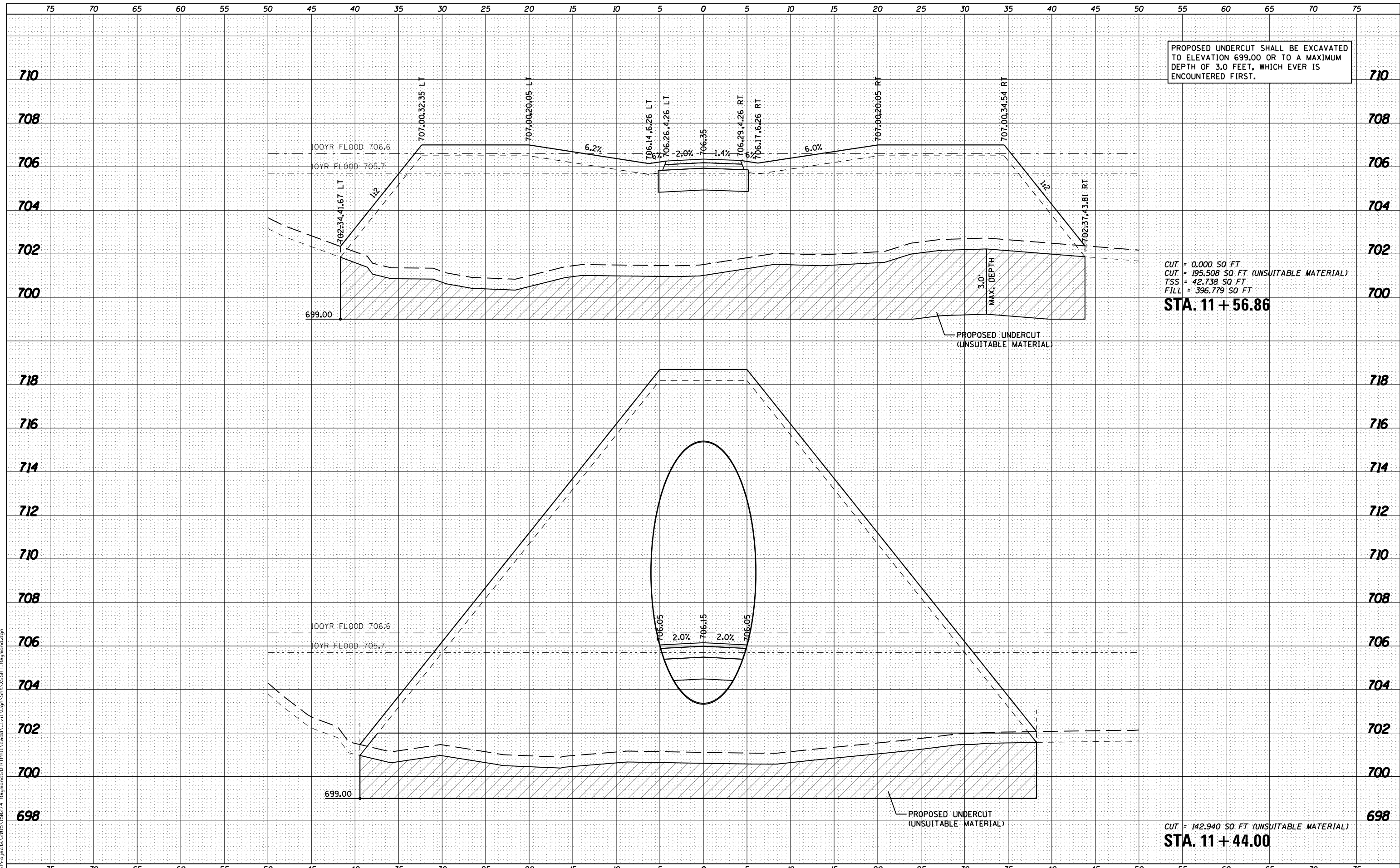
CROSS SECTIONS
FOX RIVER TRAIL
 SCALE: H:5 V:2 SHEET NO. 20 OF 20 SHEETS STA. 18+00.00 TO STA. 18+25.00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	90
CONTRACT NO. 61E01		ILLINOIS FED. AID PROJECT	

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

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

FILE NAME = K:\Projects\2015\150274_Reynolds\55\FRPH\1\cadd\Cross\11\Sta_VSSHT_Reynolds.dgn



PROPOSED UNDERCUT SHALL BE EXCAVATED TO ELEVATION 699.00 OR TO A MAXIMUM DEPTH OF 3.0 FEET, WHICH EVER IS ENCOUNTERED FIRST.

CUT = 0.000 SQ FT
 CUT = 195.508 SQ FT (UNSUITABLE MATERIAL)
 TSS = 42.738 SQ FT
 FILL = 396.779 SQ FT
STA. 11 + 56.86

CUT = 142.940 SQ FT (UNSUITABLE MATERIAL)
STA. 11 + 44.00

WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparis	DESIGNED - SBP	REVISED -
	DRAWN - NDP	REVISED -
PLOT SCALE = 1:100	CHECKED - SBP	REVISED -
PLOT DATE = 3/21/2019	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

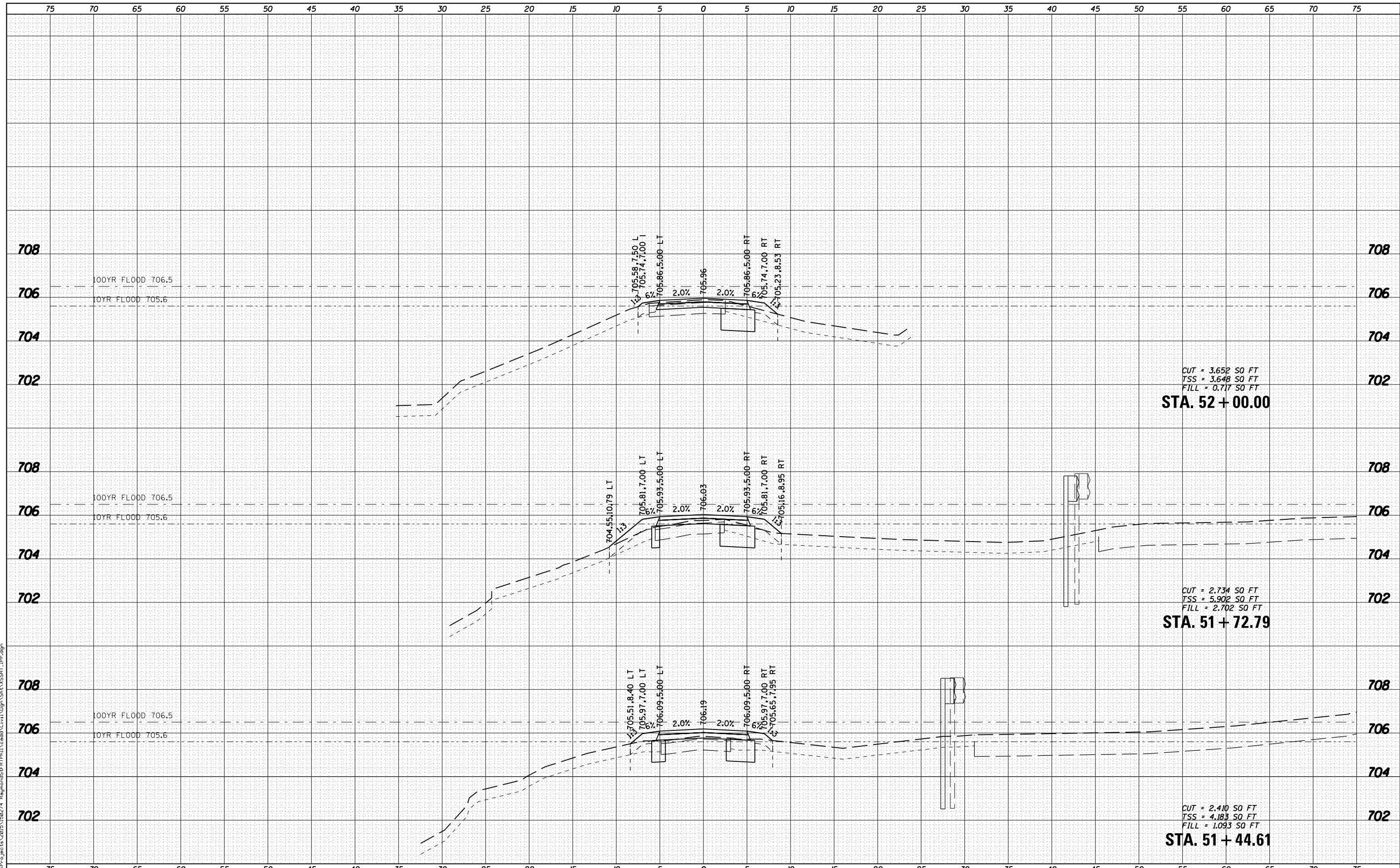
CROSS SECTIONS FOX RIVER TRAIL CONNECTION	
SCALE: H:5 V:2	SHEET NO. 2 OF 6 SHEETS
STA. 11+50.00 TO STA. 11+56.86	

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	92
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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

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

FILE NAME = K:\Projects\2019\150274_Rogers\55\FRITPH\1\Drawn\Sta_VSSHT_1.PPP.dgn



WBK engineering
 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparris
DESIGNED - SBP
DRAWN - NDP
CHECKED - SBP
DATE - 03/21/19
PLLOT SCALE = 1:100
PLLOT DATE = 3/21/2019

DESIGNED - SBP	REVISED -
DRAWN - NDP	REVISED -
CHECKED - SBP	REVISED -
DATE - 03/21/19	REVISED -

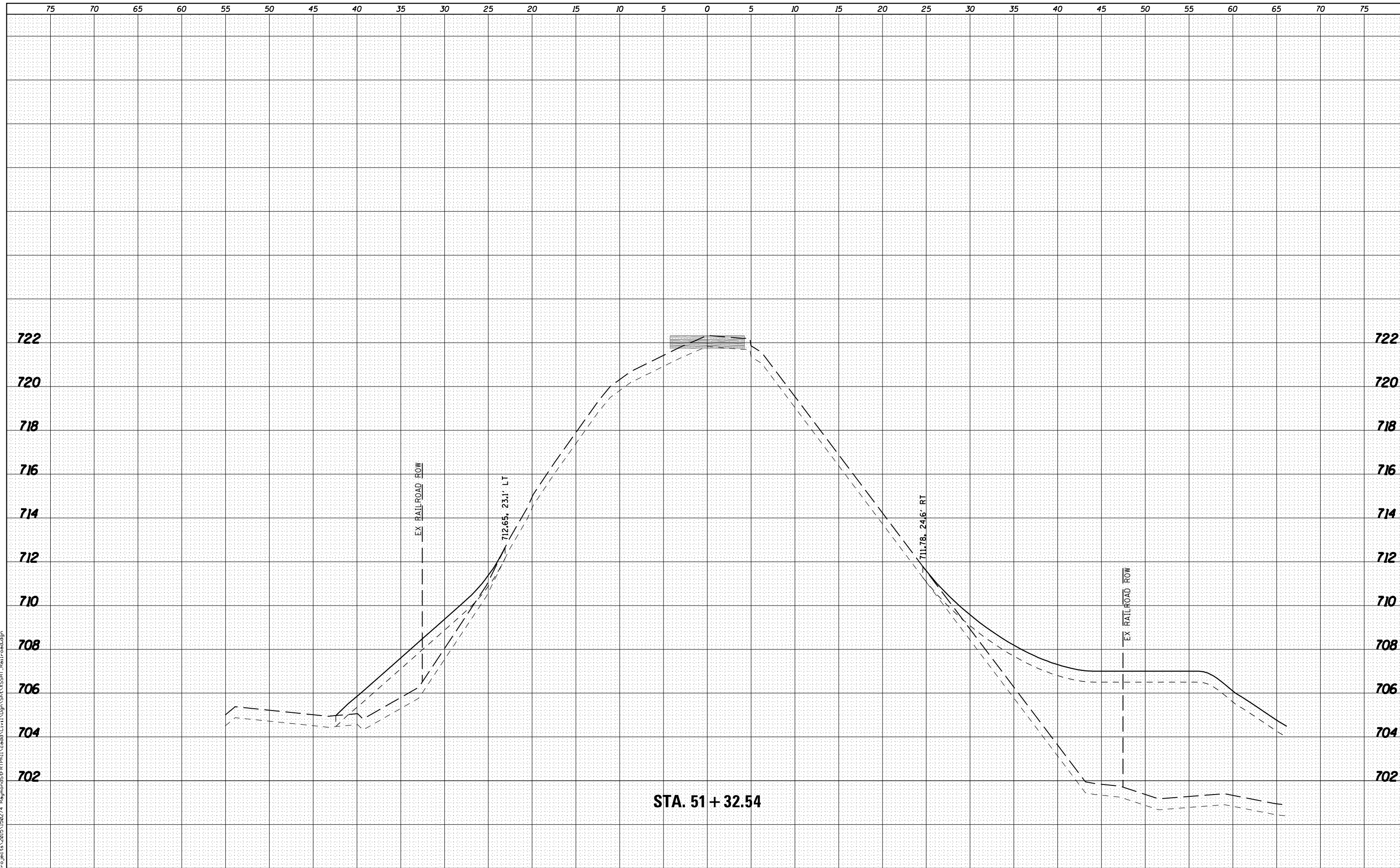
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS ILLINOIS PRAIRIE PATH	
SCALE: H=5 V=2	SHEET NO. 2 OF 4 SHEETS
STA. 51+44.61	TO STA. 52+00.00

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	98
CONTRACT NO. 61E01			
ILLINOIS FED. AID PROJECT			

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

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



STA. 51 + 32.54

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 WBK ENGINEERING, LLC
 116 WEST MAIN STREET, SUITE 201
 ST. CHARLES, ILLINOIS 60174
 (630) 443-7755

USER NAME = nparis	DESIGNED - SBP	REVISED -
	DRAWN - NDP	REVISED -
PLOT SCALE = 1:10	CHECKED - SBP	REVISED -
PLOT DATE = 3/21/2019	DATE - 03/21/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 TUNNEL EMBANKMENT**

SCALE: H:5 V:2 SHEET 9 OF 9 SHEETS STA. 51+32.54 TO STA. 51+32.54

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-F3000-07-BT	KANE	109	109
CONTRACT NO. 61E01			

ILLINOIS FED. AID PROJECT