

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63517		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID PROJECT BIKEWAY ALONG FOX RIVER - STAGE 1

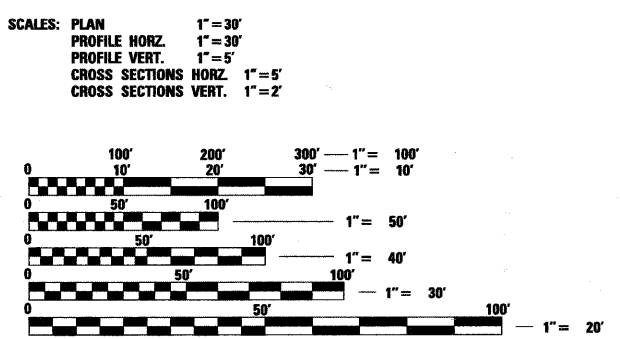
SECTION 05-F3000-06-BT
PROJECT TCSP-TE-CMM-00D1(667)
BICYCLE TRAIL
KANE COUNTY
C-91-127-06



FOR INDEX OF SHEETS, SEE SHEET NO. 2

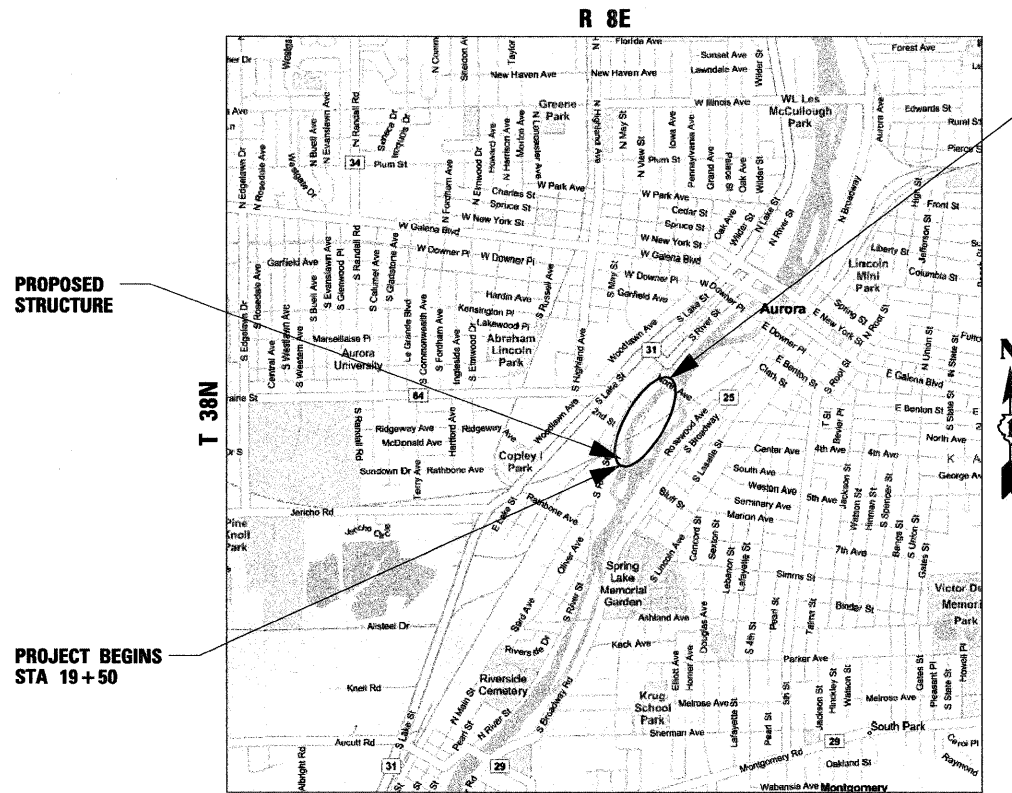
PROJECT LOCATED IN THE CITY OF AURORA

FOX RIVER TRAIL
DESIGN DESIGNATION: BIKE PATH
DESIGN SPEED: 20 MPH



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

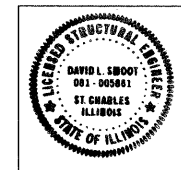


AURORA TOWNSHIP
PROJECT GROSS LENGTH = 2959 LIN FT (0.56 MILE)
PROJECT NET LENGTH = 2695 LIN FT (0.51 MILE)
PROJECT LOCATED IN:
THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 38N, RANGE 8E,
OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS

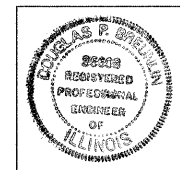
Steph K. Owen 12/17/10

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OF THE STATE OF ILLINOIS**

CONTRACT NO. 63517



DECEMBER 20 20 10
David Smoot
DAVID SMOOT
ILLINOIS LICENSED STRUCTURAL ENGINEER NO. 081-005861
EXPIRATION DATE 11-30-2012



DECEMBER 20 20 10
Douglas P. Breunlin
DOUGLAS P. BREUNLIN
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-036608
EXPIRATION DATE 11-30-2011



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 12/17/10
Steph K. Owen
CITY OF AURORA, CITY ENGINEER

APPROVED 9/30/10
Jeffrey Smith
FOREST PRESERVE DISTRICT OF KANE COUNTY, PRESIDENT

APPROVED 9/28/10
Rose G. Smilgo
FOX VALLEY PARK DISTRICT, PRESIDENT

PASSED JANUARY 3, 2011
Christina Charnick
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW JANUARY 3, 2011
Diane M. O'Hea
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE APPLICABLE REQUIREMENT SET FORTH IN "THE CONSTRUCTION SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007. THEREINAFTER REFERRED TO AS STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, IN EFFECT ON THE DATE OF INVITATION FOR BIDS; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2011; AS INCLUDED IN THE CONTRACT DOCUMENTS; AND THE DETAILS AND STANDARDS CONTAINED IN THESE PLANS.
2. BEFORE STARTING ANY EXCAVATIONS, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE ENGINEER.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON PUBLIC OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM ENGINEER.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM PAY ITEMS.
6. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED- ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.
7. ALL EXCAVATION AND EMBANKMENT LOCATIONS REQUIRING SEEDING OR SODDING SHALL BE CONSTRUCTED TO 6 IN BELOW FINISHED GRADE LINE TO ALLOW TOPSOIL PLACEMENT.
8. 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.
9. PAVEMENT GRADES: THE GRADES SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.
10. ALL EXISTING SIGNING SHALL BE MAINTAINED IN PLACE UNTIL NEW SIGNING IS ERECTED. REMOVAL OF EXISTING SIGNING SHALL NOT PROCEED UNTIL DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL COVER EXISTING SIGNING TO PREVENT CONFUSION AS DIRECTED BY THE ENGINEER. THE COST OF THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.
11. 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. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
12. THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
13. A SHRINKAGE FACTOR OF 15% WAS USED FOR EARTH EXCAVATION.
14. SAW CUTS SHALL BE CONSIDERED INCLUDED IN THE WORK FOR PAVEMENT REMOVAL, BRIDGE RAILING REMOVAL, DRIVEWAY REMOVAL, SIDEWALK REMOVAL AND CURB AND GUTTER REMOVAL.
15. THE CONNECTION OF ALL EXISTING AND PROPOSED STORM SEWERS TO THE EXISTING AND PROPOSED STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER SYSTEM.
16. WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, TEMPORARY DITCHES OR GUTTERS SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT 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. THIS WORK WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF DRAINAGE STRUCTURES OF THE TYPE SPECIFIED.
17. A NOMINAL QUANTITY OF 350 CY OF POROUS GRANULAR EMBANKMENT, SUBGRADE HAS BEEN PROVIDED FOR POTENTIAL LOCATIONS WHERE SOILS TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGE WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL, AND PROOF ROLLED USING A FULL LOAD SEMI). IF UNSTABLE AND/OR UNSUITABLE MATERIALS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
18. SURVEY LAYOUT: CONTRACTOR WILL PROVIDE SURVEY LAYOUT IN ACCORDANCE WITH CHECK SHEET #10, CONSTRUCTION LAYOUT STAKES, OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS. IN ADDITION TO THE LAYOUT REQUIREMENTS TO BE PERFORMED BY THE CONTRACTOR AS PART OF CHECK SHEET #10, HIS RESPONSIBILITIES WILL INCLUDE HORIZONTAL AND VERTICAL LAYOUT OF ALL POINTS ASSOCIATED WITH THE ROADWAY, AND BIKE PATH IMPROVEMENTS WHICH INCLUDES, BUT SHALL NOT BE LIMITED TO, EARTHWORK, SUBBASE, CURB AND GUTTERS, DRAINAGE STRUCTURES, PAVEMENT SURFACES, AND SHALL ALSO INCLUDE ALL LAYOUT ASSOCIATED WITH THE SUBSTRUCTURE AND SUPERSTRUCTURE WORK, WHICH INCLUDES, BUT SHALL NOT BE LIMITED TO, PILING, WALLS, STRUCTURAL STEEL, FILLETS, DECKING AND RAILINGS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT IS CONSIDERED INCLUDED IN THE UNIT COST BID FOR CONSTRUCTION LAYOUT.
19. EARTH EXCAVATION SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING. STOCK PILING OF MATERIALS FOR LATER USE AND REDISTRIBUTION SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. STOCK PILING NECESSARY FOR RESPREADING IN SHOULDERS, CONSTRUCTING EMBANKMENTS, CUT OR BORROW AREAS SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE FOR EARTH EXCAVATION.
20. GEOTECHNICAL FABRIC GROUND STABILIZATION: ITEM NO. 2100100 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION WILL ONLY BE UTILIZED IN AREAS THAT HAVE BEEN IDENTIFIED AS SUBGRADE UNDERCUTS AREAS OR WHERE DETERMINED IN THE FIELD BY A GEOTECHNICAL ENGINEER. THE FABRIC WILL BE USED IN COMBINATION WITH PGE. THE QUANTITY INCLUDED IN THE PLANS IS A NOMINAL QUANTITY AND SHALL BE DEDUCTED IF NOT USED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.
21. THE MATERIAL FOR SUB-BASE GRANULAR MATERIAL TYPE B SHALL BE IDOT GRADATION CA-6. GRAVEL, CRUSHED CONCRETE, CRUSHED SLAG OR CRUSHED SANDSTONE SHALL NOT BE ALLOWED.
22. AGGREGATE BASE COURSE, TYPE B SHALL MEET THE REQUIREMENTS LISTED IN SECTION 351 EXCEPT THAT THE MATERIAL TO BE USED SHALL BE IDOT GRADATION CA-6 CRUSHED LIMESTONE (MINIMUM IBR=80).
23. FLASHING LIGHTS WILL BE PROVIDED BY THE CONTRACTOR ON BARRICADES AS REQUIRED BY THE ENGINEER. THESE LIGHTS SHALL MEET THE REQUIREMENTS OF THE STATE OF ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
24. TRENCH BACKFILL CONSTRUCTION REQUIREMENTS SHALL MEET REQUIREMENTS LISTED IN SECTION 208 EXCEPT THAT THE MATERIAL TO BE USED SHALL BE IDOT GRADATION CA-6 CRUSHED LIMESTONE (MINIMUM IBR=80).
25. ANY WORK (FINISHED CONCRETE, ASPHALT, ETC.), WHICH HAS BEEN VANDALIZED, WILL BE REPLACED, NOT REPAIRED, BY THE CONTRACTOR AT THEIR EXPENSE. IT IS RECOMMENDED BY KANE COUNTY FOREST PRESERVE DISTRICT AND THE FOX VALLEY PARK DISTRICT THAT THE CONTRACTOR FINISH A NORMAL DAY'S CONCRETE POUR BY 2:00 P.M. TO ALLOW THE CONCRETE TO SET UP BEFORE THE CREWS LEAVE THE JOB.
26. THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION OPERATIONS TO THE CONSTRUCTION LIMITS SHOWN ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THE PROJECT CONSTRUCTION LIMITS RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE OWNER. NO EXTRA COMPENSATION WILL BE ALLOWED.

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HIGHWAY STANDARDS

STANDARD NUMBER	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
515001-03	NAME PLATES FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION (FOR 24" TO 54" PIPE)
542311-02	GRATING FOR CONCRETE FLARED END SECTION
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN TYPE C
602301-03	INLET - TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604036-02	GRATE TYPE B
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-ROAD OPERATIONS, 2 LANE, 2 WAY, MORE THAN 15' AWAY
701006-03	OFF-ROAD OPERATIONS, 2 LANE, 2 WAY, 15' TO 24" FROM PAVEMENT EDGE
701011-02	OFF-ROAD MOVING OPERATIONS, 2 LANE, 2 WAY, DAY ONLY
701301-04	LANE CLOSURE, 2 LANE, 2 WAY SHORT TIME OPERATIONS
701502-04	URBAN LANE CLOSURE, 2 LANE, 2 WAY, WITH BIDIRECTIONAL LEFT TURN LANE
701701-07	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE, MULTILANE 1 WAY OR 2 WAY CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-02	TYPICAL PAVEMENT MARKINGS

DISTRICT STANDARDS

* DISTRICT STANDARDS INCLUDED IN PLAN SET AS SHEETS 48-49

DETAILS	DESCRIPTION
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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PLOT SCALE = N/A	DRAWN - NP	REVISED -
PLOT DATE = 1/4/2011	CHECKED - DB	REVISED -
	DATE - 12/20/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
INDEX OF SHEETS & HIGHWAY STANDARDS**

SCALE: N/A SHEET NO. 2 OF 58 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	2
CONTRACT NO.63517				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	BRIDGE 0028
		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	488	488
		20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	130	130
		20101100	TREE TRUNK PROTECTION	EACH	18	18
		20101200	TREE ROOT PRUNING	EACH	10	10
	*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	350	350
		20400800	FURNISHED EXCAVATION	CU YD	590	590
		20800150	TRENCH BACKFILL	CU YD	53	53
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,050	1,050
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	515	515
		21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	100	100
S	*	25000115	SEEDING, CLASS 1B	ACRE	1.25	1.25
S		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	100	100
S		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	100	100
S		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	100	100
S		25100115	MULCH, METHOD 2	ACRE	2.25	2.25
S		25100630	EROSION CONTROL BLANKET	SQ YD	12,500	12,500
		28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	100	100
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2,920	2,920
	*	28000315	AGGREGATE DITCH CHECKS	TON	6	6
		28000400	PERIMETER EROSION BARRIER	FOOT	2,900	2,900
		28000510	INLET FILTERS	EACH	9	9
		28100107	STONE RIPRAP, CLASS A4	SQ YD	578	578
		28200200	FILTER FABRIC	SQ YD	578	578
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	206	206
		31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	3,194	3,194
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	2,260	2,260
		40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	115	115
		40600300	AGGREGATE (PRIME COAT)	TON	1	1
		40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	260	260
		42001300	PROTECTIVE COAT	SQ YD	190	190
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	27	27
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,611	1,611
		44000100	PAVEMENT REMOVAL	SQ YD	35	35
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	27	27
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	27	27
		44000600	SIDEWALK REMOVAL	SQ FT	848	848
		44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	23	23
		50200100	STRUCTURE EXCAVATION	CU YD	793	793
		50300225	CONCRETE STRUCTURES	CU YD	105.9	105.9
		50300280	CONCRETE ENCASEMENT	CU YD	7.8	7.8
	*	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	12,003	12,003
S	*	50901720	BICYCLE RAILING	FOOT	20	20
	*	51201600	FURNISHING STEEL PILES HP12X53	FOOT	377	377
	*	51202305	DRIVING PILES	FOOT	50	50
	*	51203600	TEST PILE STEEL HP12X53	EACH	1	1

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PLOT SCALE = N/A	DRAWN - NP	REVISED -
PLOT DATE = 1/4/2011	CHECKED - DB	REVISED -
	DATE - 12/20/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF
QUANTITIES

SCALE: N/A SHEET NO. 3 OF 58 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	3
CONTRACT NO. 63517				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	BRIDGE 0028
		51204650	PILE SHOES	EACH	3	3
		51500100	NAME PLATES	EACH	1	1
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1
		54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1
	*	54247100	GRATING FOR CONCRETE FLARED END SECTION 15"	EACH	1	1
		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	450	450
		550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	87	87
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	88	88
		58700300	CONCRETE SEALER	SQ FT	2,262	2,262
		59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	46	46
		60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1
		60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
		60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	2	2
		60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	5	5
		60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	3	3
S	*	66900205	SPECIAL WASTE DISPOSAL	CU YD	2,850	2,850
S	*	66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1
S	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	10	10
	*	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8
		67100100	MOBILIZATION	L SUM	1	1
		72000100	SIGN PANEL - TYPE 1	SQ FT	31	31
		72900100	METAL POST - TYPE A	FOOT	12	12
S		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	61	61
S		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	155	155
S		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	263	263
S		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	30	30
S		78300100	PAVEMENT MARKING REMOVAL	SQ FT	117	117
	*	X0322194	POLYMER MODIFIED PORTLAND CEMENT MORTAR	SQ FT	6	6
	*	X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	5,280	5,280
	*	X0324045	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE REMOVAL	EACH	2	2
	*	X0324775	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE MAINTENANCE	SQ YD	291	291
	*	X0326519	STEEL RAILING REMOVAL	FOOT	16	16
	*	X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	2,745	2,745
	*	X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	36	36
S	*	X2501750	SEEDING, CLASS 4 (SPECIAL)	ACRE	0.5	0.5
S	*	X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.5	0.5
S	*	X2501810	SEEDING, CLASS 5 (SPECIAL)	ACRE	0.5	0.5
S	*	X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	0.5	0.5
	*	X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1	1
	*	X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1	1
	*	X5020503	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 3	EACH	1	1
	*	X6025600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	1	1
	*	X6061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	68	68
	*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
	*	X7200105	SIGN PANEL - TYPE 1 (SPECIAL)	SQ FT	6	6

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PLOT DATE = 1/4/2011	CHECKED - DB	REVISED -
	DATE - 12/20/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF
QUANTITIES**

SCALE: N/A SHEET NO. 4 OF 58 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	4
CONTRACT NO.63517				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES


SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	BRIDGE 0028
	*	X7240500	RELOCATE EXISTING SIGNS	EACH	4	4
S	*	XX003067	CONCRETE BRIDGE RAIL (SPECIAL)	FOOT	14	14
	*	XX005913	TEMPORARY ACCESS CAUSEWAY	L SUM	1	1
	*	XX006653	FENCE (SPECIAL)	FOOT	563	563
	*	XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	1
S	*	Z0007124	STEEL RAILING (SPECIAL)	FOOT	21	21
	*	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	291	291
	*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
	*	Z0019600	DUST CONTROL WATERING	UNIT	16	16
	*	Z0021922	SILICONE JOINT SEALER	FOOT	12	12
	*	Z0034210	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	1,384	1,384
	*	Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	350	350
	*	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	59	59
	*	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1
	*	Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	500	500
	*	Z0065000	SETTING PILES IN ROCK	EACH	19	19
	*	Z0076600	TRAINEES	HOURL	1,000	1,000

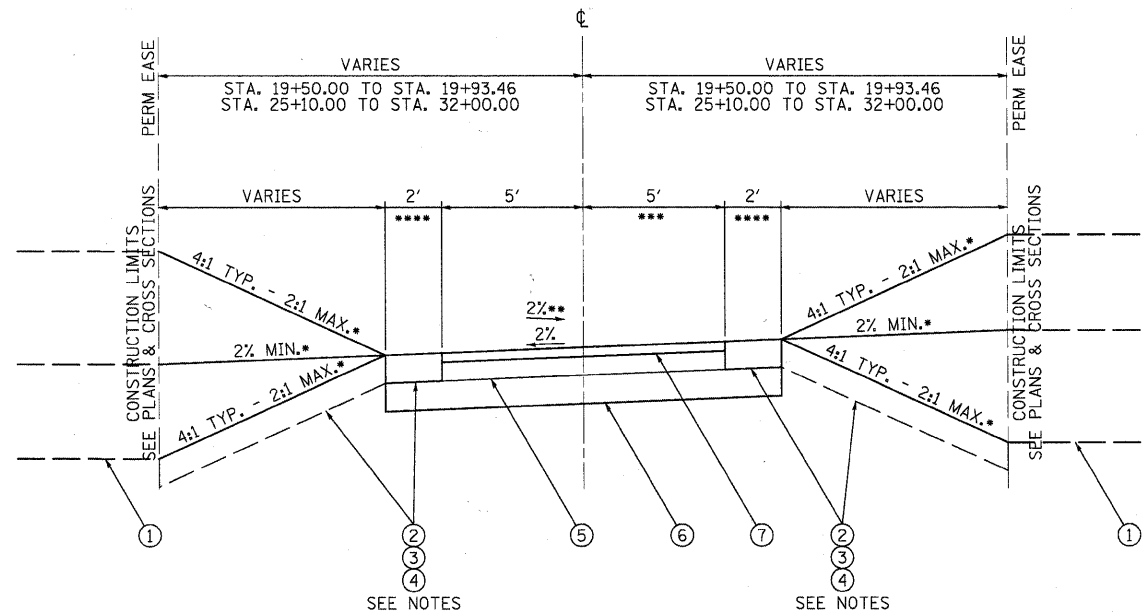
△ CONSTRUCTION TYPE CODE: 0042

SCHEDULE OF EARTHWORK

LOCATION	STATUS	21101505		X2020410		66900205		20400800		20201200	
		TOPSOIL EXCAVATION (CU YD)	TOPSOIL EXCAVATION AND PLACEMENT (CU YD)	TOPSOIL EXCAVATION AND DISPOSAL (CU YD)	EARTH EXCAVATION (SPECIAL) (CU YD)	SPECIAL WASTE DISPOSAL (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EARTH EMBANKMENT (FILL) (CU YD)	EARTHWORK BALANCE WASTE (+) or SHORTAGE (-) (CU YD)	20042002 ESTIMATED UNSUITABLE (UNDERCUT) (CU YD)	
19+50.00	CLEAR										
19+93.48	CLEAR	32.68	12.47	20.21	0.00	0.00	0.00	61.25	-61.25	0.0	
OMIT BRIDGE											
23+71.96	CONTAMINATED										
24+00.00	CONTAMINATED	0.00	14.85	-14.85	180.02	180.02	0.00	1.92	-1.92	0.0	
24+50.00	CONTAMINATED	0.00	42.50	-42.50	532.22	532.22	0.00	0.00	+0.00	0.0	
25+00.00	CONTAMINATED	0.00	37.87	-37.87	424.08	424.08	0.00	0.00	+0.00	0.0	
25+50.00	CONTAMINATED	0.00	32.41	-32.41	317.31	317.31	0.00	0.00	+0.00	0.0	
26+00.00	CONTAMINATED	0.00	23.43	-23.43	183.70	183.70	0.00	0.00	+0.00	0.0	
26+50.00	CONTAMINATED	0.00	9.54	-9.54	70.27	70.27	0.00	0.19	-0.19	0.0	
27+00.00	CONTAMINATED	0.00	4.03	-4.03	42.04	42.04	0.00	0.28	-0.28	0.0	
27+50.00	CONTAMINATED	0.00	4.68	-4.68	41.67	41.67	0.00	0.09	-0.09	0.0	
28+00.00	CONTAMINATED	0.00	2.50	-2.50	36.02	36.02	0.00	0.56	-0.56	0.0	
28+50.00	CONTAMINATED	0.00	0.28	-0.28	28.80	28.80	0.00	3.80	-3.80	0.0	
29+00.00	CONTAMINATED	0.00	2.04	-2.04	31.76	31.76	0.00	4.17	-4.17	0.0	
29+50.00	CONTAMINATED	0.00	1.76	-1.76	32.31	32.31	0.00	2.78	-2.78	0.0	
30+00.00	CONTAMINATED	0.00	0.00	0.00	27.41	27.41	0.00	2.22	-2.22	0.0	
30+50.00	CONTAMINATED	0.00	0.00	0.00	27.04	27.04	0.00	0.46	-0.46	0.0	
31+00.00	CLEAR	27.41	0.00	27.41	3.06	0.00	2.60	0.56	+2.04	0.0	
31+50.00	CLEAR	28.33	0.00	28.33	2.59	0.00	2.20	3.70	-1.50	0.0	
32+00.00	CLEAR	34.81	5.37	29.44	0.09	0.00	0.08	8.24	-8.16	0.0	
32+50.00	CLEAR	46.57	12.96	33.61	0.93	0.00	0.79	10.56	-9.77	0.0	
33+00.00	CLEAR	54.63	17.13	37.50	2.04	0.00	1.73	13.70	-11.97	0.0	
33+50.00	CLEAR	62.41	20.65	41.76	6.02	0.00	5.12	14.44	-9.32	0.0	
34+00.00	CLEAR	58.52	19.26	39.26	6.67	0.00	5.67	7.04	-1.37	0.0	
34+50.00	CLEAR	59.91	21.57	38.34	11.02	0.00	9.37	1.48	+7.89	0.0	
35+00.00	CLEAR	54.35	17.41	36.94	12.41	0.00	10.55	0.93	+9.62	0.0	
35+50.00	CLEAR	43.43	10.19	33.24	5.56	0.00	4.73	1.94	+2.79	0.0	
36+00.00	CLEAR	50.09	15.09	35.00	11.20	0.00	9.52	1.76	+7.76	0.0	
36+50.00	CLEAR	50.00	15.28	34.72	11.85	0.00	10.07	2.87	+7.20	0.0	
37+00.00	CLEAR	45.93	11.48	34.45	4.17	0.00	3.54	6.11	-2.57	0.0	
37+50.00	CLEAR	35.37	5.09	30.28	1.20	0.00	1.02	5.09	-4.07	0.0	
38+00.00	CLEAR	27.31	0.00	27.31	0.00	0.00	0.00	4.17	-4.17	0.0	
38+50.00	CLEAR	27.87	0.00	27.87	0.00	0.00	0.00	5.09	-5.09	0.0	
39+00.00	CLEAR	36.85	5.65	31.20	9.17	0.00	7.79	2.78	+5.01	0.0	
39+50.00	CLEAR	43.15	10.28	32.87	12.41	0.00	10.55	0.37	+10.18	0.0	
40+00.00	CLEAR	38.89	12.04	26.85	3.24	0.00	2.75	10.56	-7.81	0.0	
40+50.00	CLEAR	39.54	17.59	21.95	0.00	0.00	0.00	27.13	-27.13	0.0	
41+00.00	CLEAR	49.72	21.85	27.87	2.41	0.00	2.05	45.74	-43.69	0.0	
41+50.00	CLEAR	51.02	23.61	27.41	2.41	0.00	2.05	72.69	-70.64	0.0	
42+00.00	CLEAR	44.44	24.63	19.81	0.00	0.00	0.00	118.33	-118.33	0.0	
42+50.00	CLEAR	45.37	26.94	18.43	0.00	0.00	0.00	151.67	-151.67	0.0	
43+00.00	CLEAR	23.24	14.26	8.98	0.00	0.00	0.00	77.22	-77.22	0.0	
43+50.00	CLEAR	13.80	0.00	13.80	0.00	0.00	0.00	1.94	-1.94	0.0	
43+60.00	CLEAR	4.17	0.00	4.17	0.09	0.00	0.08	0.39	-0.31	0.0	
43+70.00	CLEAR	2.70	0.00	2.70	0.83	0.00	0.71	0.54	+0.17	0.0	
43+80.00	CLEAR	2.59	0.00	2.59	1.48	0.00	1.28	2.17	-0.91	0.0	
43+90.00	CLEAR	2.59	0.00	2.59	1.48	0.00	1.28	5.70	-4.44	0.0	
43+95.10	CLEAR	1.32	0.00	1.32	0.76	0.00	0.65	3.21	-2.56	0.0	
46+55.10	CLEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	+0.00	0.0	
47+00.00	CLEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	+0.00	0.0	
47+50.00	CLEAR	4.44	0.00	4.44	0.00	0.00	0.00	0.00	+0.00	0.0	
48+00.00	CLEAR	9.35	0.00	9.35	0.00	0.00	0.00	0.00	+0.00	0.0	
48+42.95	CLEAR	6.68	0.00	6.68	0.00	0.00	0.00	0.00	+0.00	0.0	
STRUCT. EXC.	CONTAMINATED					691.00					
SEWER TRENCHES	CLEAR & CONTAM.					180.00					
EST. UNSUITABLE	CLEAR									350.00	
TOTAL		1,165	515	650	2,095	2,850	95	685	-590	350	
SHRINKAGE FACTOR: 15%		TOTAL: 2,745									

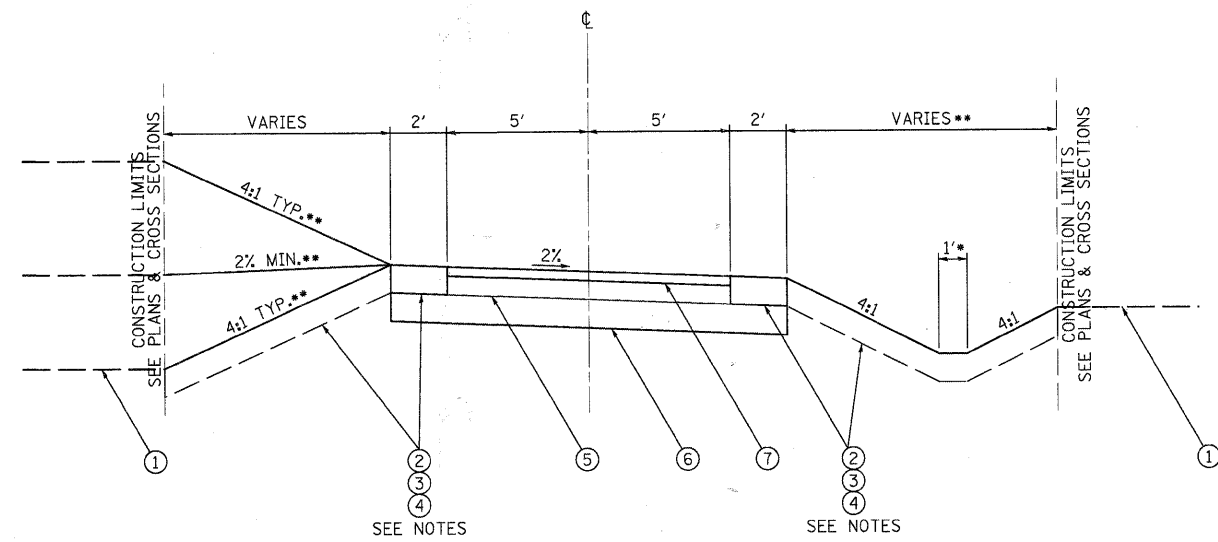
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 WILLS BURKE KELSEY ASSOCIATES LTD. 110 West Main Street, Suite 201 St. Charles, Illinois 60114 (630) 443-7755	USER NAME = #USER#	DESIGNED - DB	REVISED - 10/5/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES AND SCHEDULE OF EARTHWORK			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = N/A	DRAWN - NP	REVISED -		05-F3000-06-BT	KANE	58	5				
	PLOT DATE = 1/4/2011	CHECKED - DB	REVISED -		SCALE: N/A SHEET NO. 5 OF 58 SHEETS STA. TO STA.			CONTRACT NO. 63517				
		DATE - 12/20/10	REVISED -		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT					



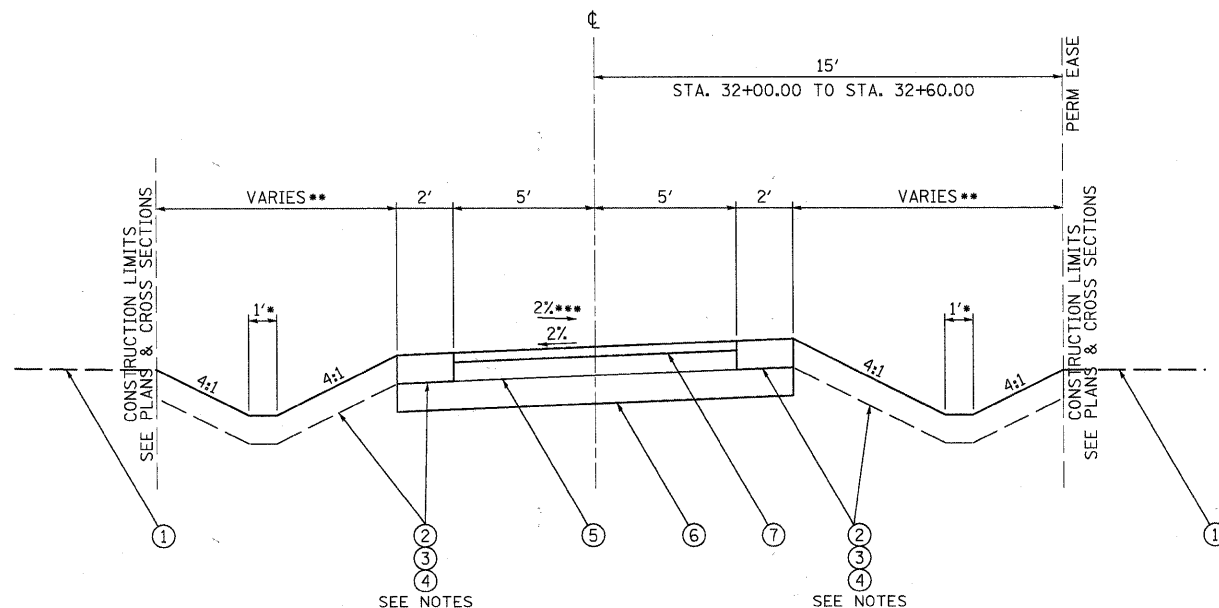
- * SEE CROSS SECTIONS FOR PROPOSED SLOPE
- ** SEE CROSS SECTIONS FOR DIRECTION OF PROPOSED CROSS SLOPE
- *** 6.0' FROM STA. 19+50 TO STA. 19+93.46
- **** STA. 41+60.0 TO STA. 42+97.57 PROVIDE 3' SHOULDERS AND 3:1 SIDE SLOPES

STATION RANGES
STA. 19+50 TO STA. 19+93.46
STA. 25+10 TO STA. 32+00
STA. 37+33 TO STA. 38+80
STA. 39+50 TO STA. 41+00
STA. 41+60 TO STA. 42+97.57



- * SEE PLANS & CROSS SECTIONS FOR SWALE ELEVATION
- ** SEE PLANS & CROSS SECTIONS

STATION RANGES
STA. 35+00 TO STA. 37+33
STA. 38+80 TO STA. 39+50



- * SEE PLANS & CROSS SECTIONS FOR SWALE ELEVATION
- ** SEE PLANS & CROSS SECTIONS
- *** SEE CROSS SECTIONS FOR DIRECTION OF PROPOSED CROSS SLOPE

STATION RANGES
STA. 32+00 TO STA. 35+00

LEGEND

- ① EXISTING GROUND
- ② TOPSOIL PLACEMENT, 6"
- ③ SEEDING, CLASS 1 B & FERTILIZING ON 2' SHOULDERS
- ④ EROSION CONTROL BLANKET
- ⑤ AGGREGATE BASE COURSE, TY B, 4"
- ⑥ SUB-BASE GRANULAR MATERIAL, TY B, 6"
- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"

NOTES:

1. TYPICAL ON DISTURBED AREAS WITHIN CONSTRUCTION LIMITS
2. ON DISTURBED AREAS BEYOND THE 2' SHOULDERS, PROVIDE SEEDING OF THE CLASS SHOWN ON THE EROSION CONTROL & SEDIMENT PLANS, SHEET NOS. 17 AND 18

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
ITEM	AIR VOIDS N _{DES}
BIKE PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm), 2"	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm), 6"	4% @ 70 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

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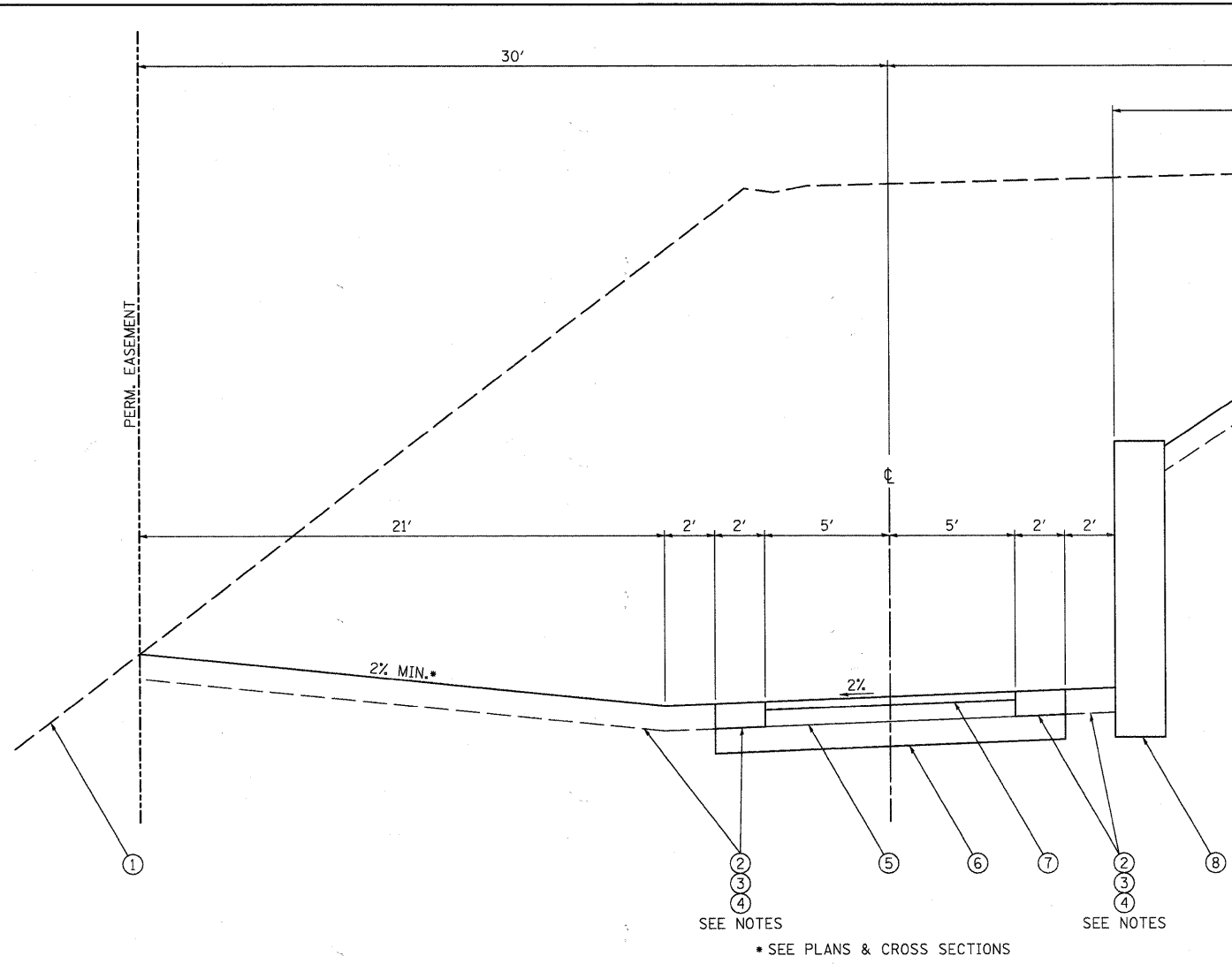


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PLOT DATE = 12/20/2010	CHECKED - DB	REVISED -
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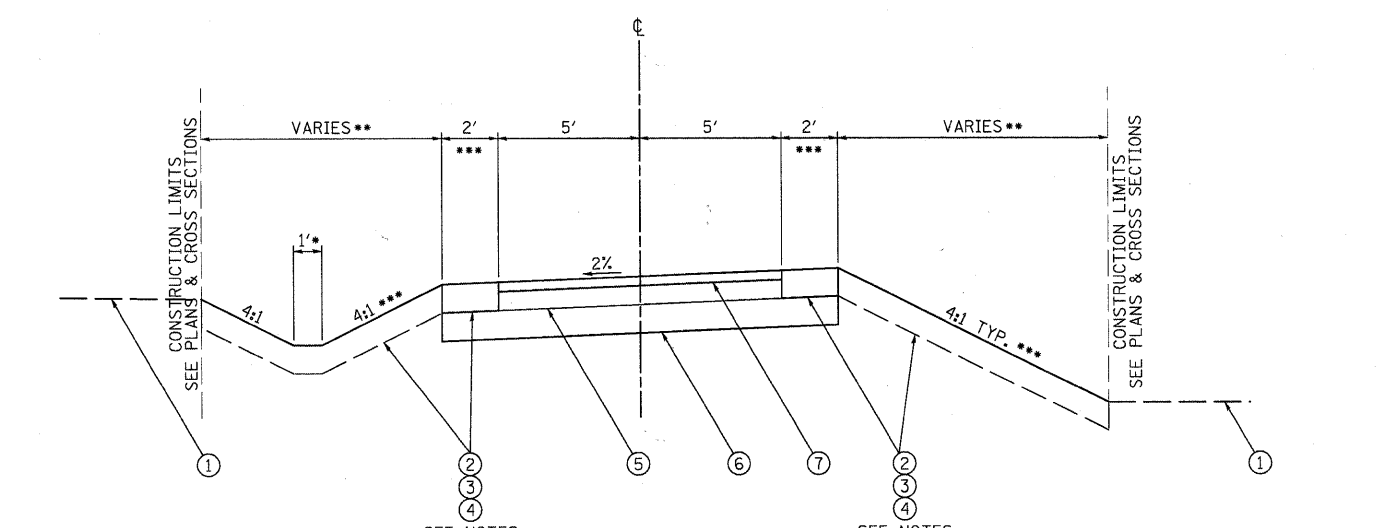
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
AND HOT-MIX-ASPHALT MIXTURE REQUIREMENTS

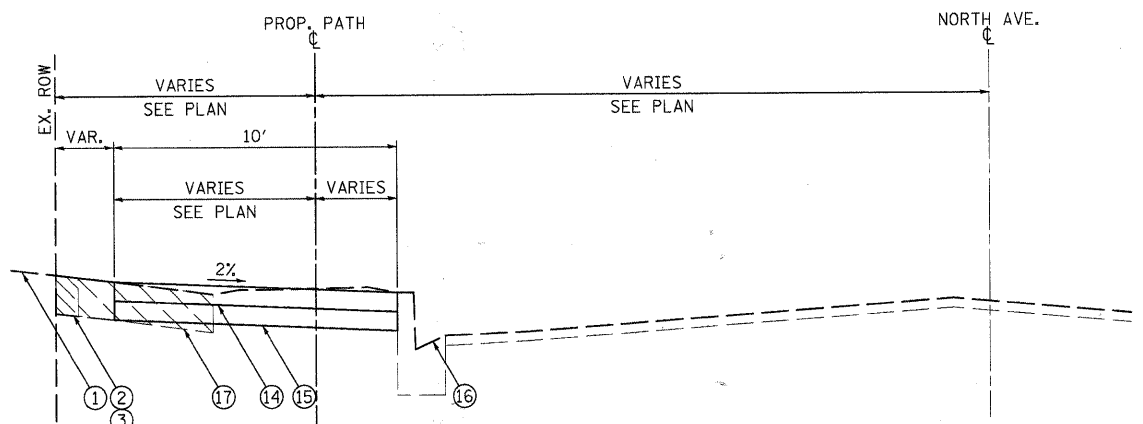
SCALE: N/A	SHEET NO. 6 OF 58 SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				05-F3000-06-BT	KANE	58	6
			CONTRACT NO. 63517				
			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



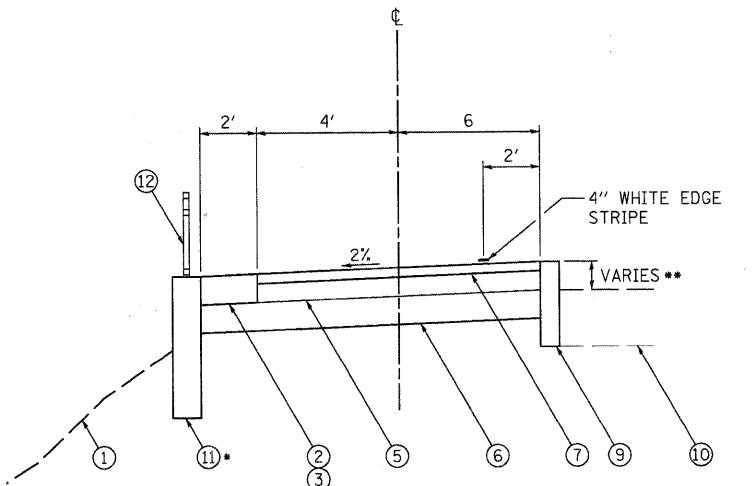
STATION RANGES
STA. 23+71.96 TO STA. 25+10.00



STATION RANGES
STA. 41+00 TO STA. 41+60



STATION RANGES
STA. 46+55.10 TO STA. 48+46.62



* REINFORCED CONCRETE. RETAINING WALL STA. 43+59.6 TO STA. 43+94.6±
** SEE DETAIL ON SHEETS 32-36

STATION RANGES
STA. 43+20.75 TO STA. 43+91.30±

LEGEND

- ① EXISTING GROUND
- ② TOPSOIL PLACEMENT, 6"
- ③ SEEDING, CLASS 1 B & FERTILIZING ON 2' SHOULDERS
- ④ EROSION CONTROL BLANKET
- ⑤ AGGREGATE BASE COURSE, TY B, 4"
- ⑥ SUB-BASE GRANULAR MATERIAL, TY B, 6"
- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ⑧ MSE WALL
- ⑨ CONCRETE CURB, TYPE B (SPECIAL)
- ⑩ EXISTING PARK ENTRANCE
- ⑪ REINFORCED CONCRETE RETAINING WALL
- ⑫ BICYCLE RAILING
- ⑬ PAVEMENT REMOVAL
- ⑭ P.C.C. SIDEWALK, 5"
- ⑮ SUB-BASE GRANULAR MATERIAL, TY B, 4"
- ⑯ EXISTING CURB & GUTTER
- ⑰ SIDEWALK REMOVAL

NOTES:

1. TYPICAL ON DISTURBED AREAS WITHIN CONSTRUCTION LIMITS
2. ON DISTURBED AREAS BEYOND THE 2' SHOULDERS, PROVIDE SEEDING OF THE CLASS SHOWN ON THE EROSION CONTROL & SEDIMENT PLANS, SHEET NOS. 17 AND 18

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116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

USER NAME = #USER#	DESIGNED - DB	REVISED - 10/5/10
	DRAWN - NP	REVISED -
PLOT SCALE = N/A	CHECKED - DB	REVISED -
PLOT DATE = 12/28/2010	DATE - 12/20/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

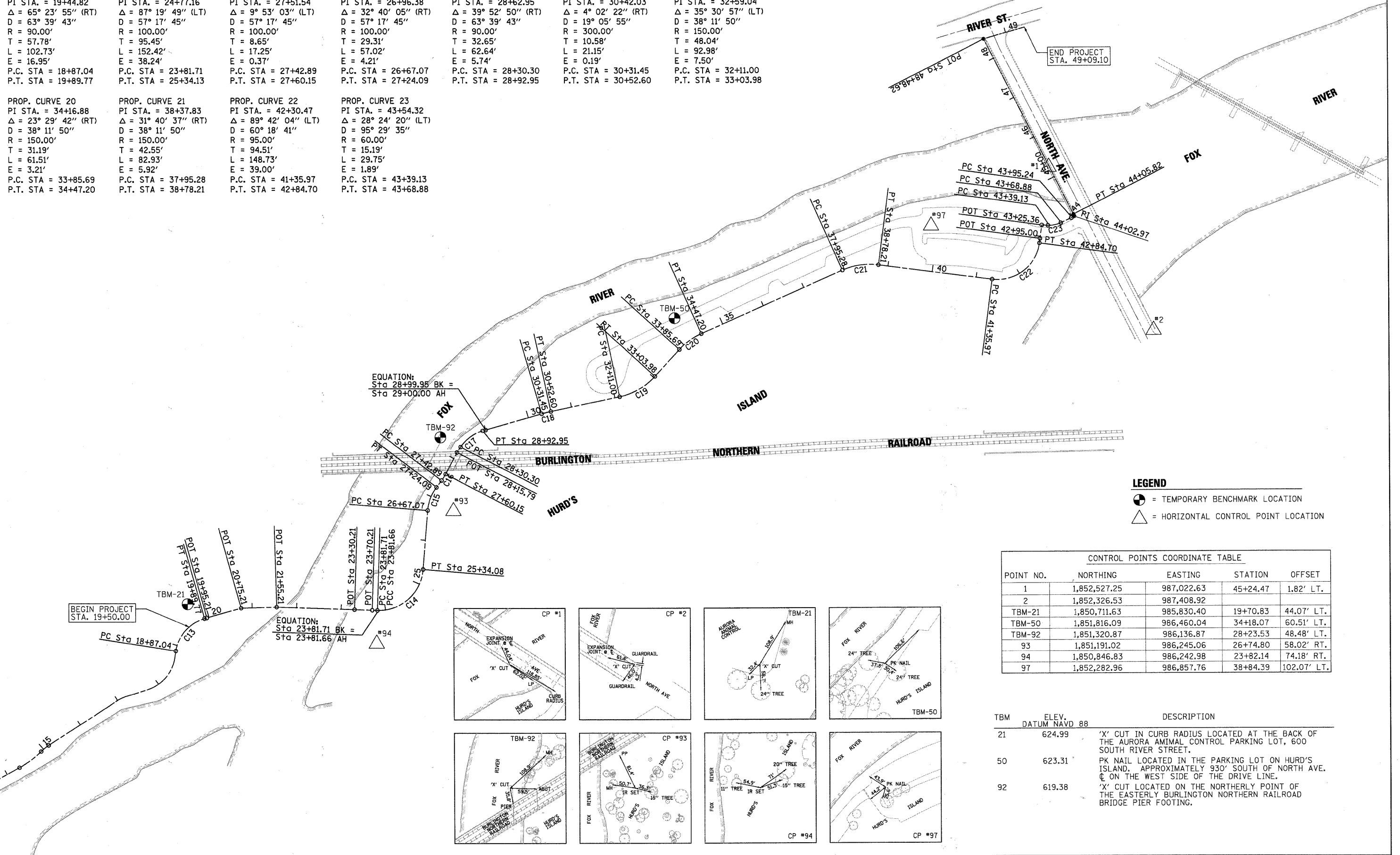
SCALE: N/A	SHEET NO. 7 OF 58 SHEETS	STA. TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	7
CONTRACT NO. 63517				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PROP. CURVE 13 PI STA. = 19+44.82 $\Delta = 65^\circ 23' 55''$ (RT) $D = 63^\circ 39' 43''$ $R = 90.00'$ $T = 57.78'$ $L = 102.73'$ $E = 16.95'$ P.C. STA = 18+87.04 P.T. STA = 19+89.77	PROP. CURVE 14 PI STA. = 24+77.16 $\Delta = 87^\circ 19' 49''$ (LT) $D = 57^\circ 17' 45''$ $R = 100.00'$ $T = 95.45'$ $L = 152.42'$ $E = 38.24'$ P.C. STA = 23+81.71 P.T. STA = 25+34.13	PROP. CURVE 15 PI STA. = 27+51.54 $\Delta = 9^\circ 53' 03''$ (LT) $D = 57^\circ 17' 45''$ $R = 100.00'$ $T = 8.65'$ $L = 17.25'$ $E = 0.37'$ P.C. STA = 27+42.89 P.T. STA = 27+60.15	PROP. CURVE 16 PI STA. = 26+96.38 $\Delta = 32^\circ 40' 05''$ (RT) $D = 57^\circ 17' 45''$ $R = 100.00'$ $T = 29.31'$ $L = 57.02'$ $E = 4.21'$ P.C. STA = 26+67.07 P.T. STA = 27+24.09	PROP. CURVE 17 PI STA. = 28+62.95 $\Delta = 39^\circ 52' 50''$ (RT) $D = 63^\circ 39' 43''$ $R = 90.00'$ $T = 32.65'$ $L = 62.64'$ $E = 5.74'$ P.C. STA = 28+30.30 P.T. STA = 28+92.95	PROP. CURVE 18 PI STA. = 30+42.03 $\Delta = 4^\circ 02' 22''$ (RT) $D = 19^\circ 05' 55''$ $R = 300.00'$ $T = 10.58'$ $L = 21.15'$ $E = 0.19'$ P.C. STA = 30+31.45 P.T. STA = 30+52.60	PROP. CURVE 19 PI STA. = 32+59.04 $\Delta = 35^\circ 30' 57''$ (LT) $D = 38^\circ 11' 50''$ $R = 150.00'$ $T = 48.04'$ $L = 92.98'$ $E = 7.50'$ P.C. STA = 32+11.00 P.T. STA = 33+03.98
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PROP. CURVE 20 PI STA. = 34+16.88 $\Delta = 23^\circ 29' 42''$ (RT) $D = 38^\circ 11' 50''$ $R = 150.00'$ $T = 31.19'$ $L = 61.51'$ $E = 3.21'$ P.C. STA = 33+85.69 P.T. STA = 34+47.20	PROP. CURVE 21 PI STA. = 38+37.83 $\Delta = 31^\circ 40' 37''$ (RT) $D = 38^\circ 11' 50''$ $R = 150.00'$ $T = 42.55'$ $L = 82.93'$ $E = 5.92'$ P.C. STA = 37+95.28 P.T. STA = 38+78.21	PROP. CURVE 22 PI STA. = 42+30.47 $\Delta = 89^\circ 42' 04''$ (LT) $D = 60^\circ 18' 41''$ $R = 95.00'$ $T = 94.51'$ $L = 148.73'$ $E = 39.00'$ P.C. STA = 41+35.97 P.T. STA = 42+84.70	PROP. CURVE 23 PI STA. = 43+54.32 $\Delta = 28^\circ 24' 20''$ (LT) $D = 95^\circ 29' 35''$ $R = 60.00'$ $T = 15.19'$ $L = 29.75'$ $E = 1.89'$ P.C. STA = 43+39.13 P.T. STA = 43+68.88
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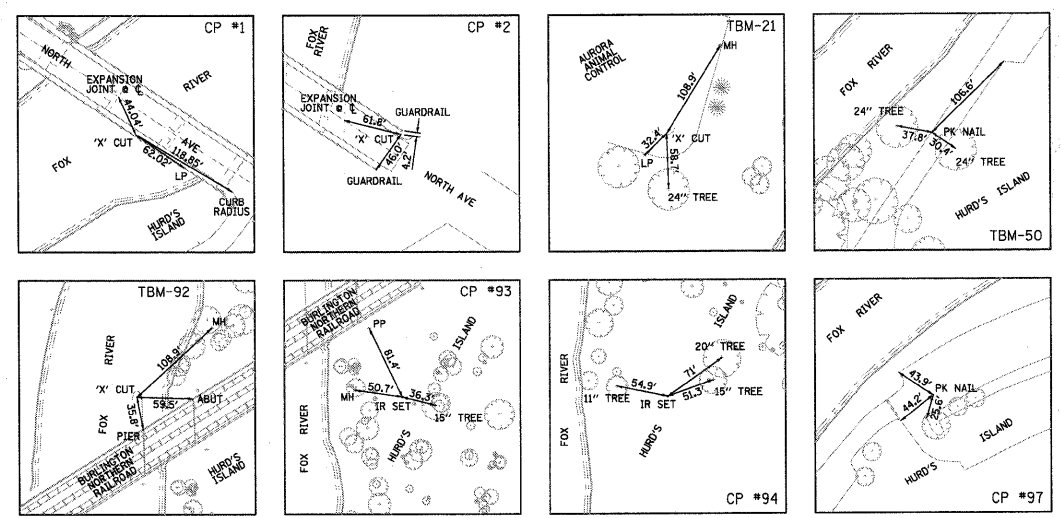
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LEGEND
 = TEMPORARY BENCHMARK LOCATION
 = HORIZONTAL CONTROL POINT LOCATION

POINT NO.	NORTHING	EASTING	STATION	OFFSET
1	1,852,527.25	987,022.63	45+24.47	1.82' LT.
2	1,852,326.53	987,408.92		
TBM-21	1,850,711.63	985,830.40	19+70.83	44.07' LT.
TBM-50	1,851,816.09	986,460.04	34+18.07	60.51' LT.
TBM-92	1,851,320.87	986,136.87	28+23.53	48.48' LT.
93	1,851,191.02	986,245.06	26+74.80	58.02' RT.
94	1,850,846.83	986,242.98	23+82.14	74.18' RT.
97	1,852,282.96	986,857.76	38+84.39	102.07' LT.

TBM	ELEV. DATUM NAVD 88	DESCRIPTION
21	624.99	'X' CUT IN CURB RADIUS LOCATED AT THE BACK OF THE AURORA ANIMAL CONTROL PARKING LOT, 600 SOUTH RIVER STREET.
50	623.31	PK NAIL LOCATED IN THE PARKING LOT ON HURD'S ISLAND, APPROXIMATELY 930' SOUTH OF NORTH AVE. C ON THE WEST SIDE OF THE DRIVE LINE.
92	619.38	'X' CUT LOCATED ON THE NORTHERLY POINT OF THE EASTERLY BURLINGTON NORTHERN RAILROAD BRIDGE PIER FOOTING.



WBK WILLS BURKE KELSEY ASSOCIATES LTD.
 110 West Main Street, Suite 201
 St. Charles, Illinois 60174
 (630) 443-7755

USER NAME = BUSER#	DESIGNED - DB	REVISED - 10/5/10
PLOT SCALE = AS SHOWN	DRAWN - NP	REVISED -
PLOT DATE = 12/28/2010	CHECKED - DB	REVISED -
	DATE - 12/20/10	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

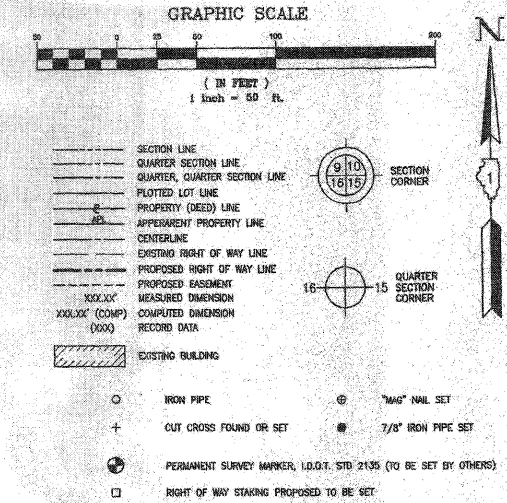
ALIGNMENT TIES & BENCHMARKS

SCALE: AS SHOWN SHEET NO. 8 OF 58 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	8
CONTRACT NO. 63517				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAT OF EASEMENT

PART OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 6 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KANE COUNTY, ILLINOIS



BASIS OF BEARINGS: ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD83, 1997)
ALL DIMENSIONS SHOWN HEREON ARE NAD83(1997)(GROUND)

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0001 PE	BNSF RAILROAD	16	0.805	RECREATION PATH	15-28-501-006	
0001 TE	BNSF RAILROAD	16	0.161	CONSTRUCTION	15-28-501-006	

CENTERLINE CURVE DATA

C1	C3	C5
P.C. = STA. 23+81.66 PI = STA. 24+57.67 P.T. = STA. 25+34.08 DELTA = 67°16'49" D = 5717.44' T = 95.45' L = 152.42' R = 100.00'	P.C. = STA. 27+58.26 PI = STA. 27+34.41 P.T. = STA. 28+10.57 DELTA = 6°39'37" D = 12'43.56" T = 28.18' L = 52.31' R = 450.00'	P.C. = STA. 30+31.45 PI = STA. 30+42.03 P.T. = STA. 30+52.60 DELTA = 4°02'22" D = 0'41.28" T = 10.58' L = 21.15' R = 300.00'
C2	C4	C6
P.C. = STA. 26+67.07 PI = STA. 26+31.32 P.T. = STA. 27+15.57 DELTA = 27°47'18" D = 5717.43' T = 24.74' L = 48.50' R = 100.00'	P.C. = STA. 28+10.57 PI = STA. 28+22.58 P.T. = STA. 28+34.61 DELTA = 48°09'05" D = 5717.44' T = 44.68' L = 84.04' R = 100.00'	P.C. = STA. 32+11 PI = STA. 32+16.66 P.T. = STA. 32+22.31 DELTA = 4°19'18" D = 3812.39' T = 5.86' L = 11.39' R = 150.00'

CERTIFICATION

STATE OF ILLINOIS }
COUNTY OF KANE } SS

THIS IS TO CERTIFY THAT WE, COMPASS LAND SURVEYING LTD., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-002776, HAVE PLATTED THE EASEMENT SHOWN HEREON IN SECTION 28, TOWNSHIP 38 NORTH, RANGE 6 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS, AND THAT THIS PLAT IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID EASEMENT, 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 EASEMENT TO BE RETRACED. THIS PLAT WAS MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT AURORA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003565
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008

COMPASS LAND SURVEYING
2631 GARDNER WOODS PARKWAY, STE. 100 - AURORA, IL 60002

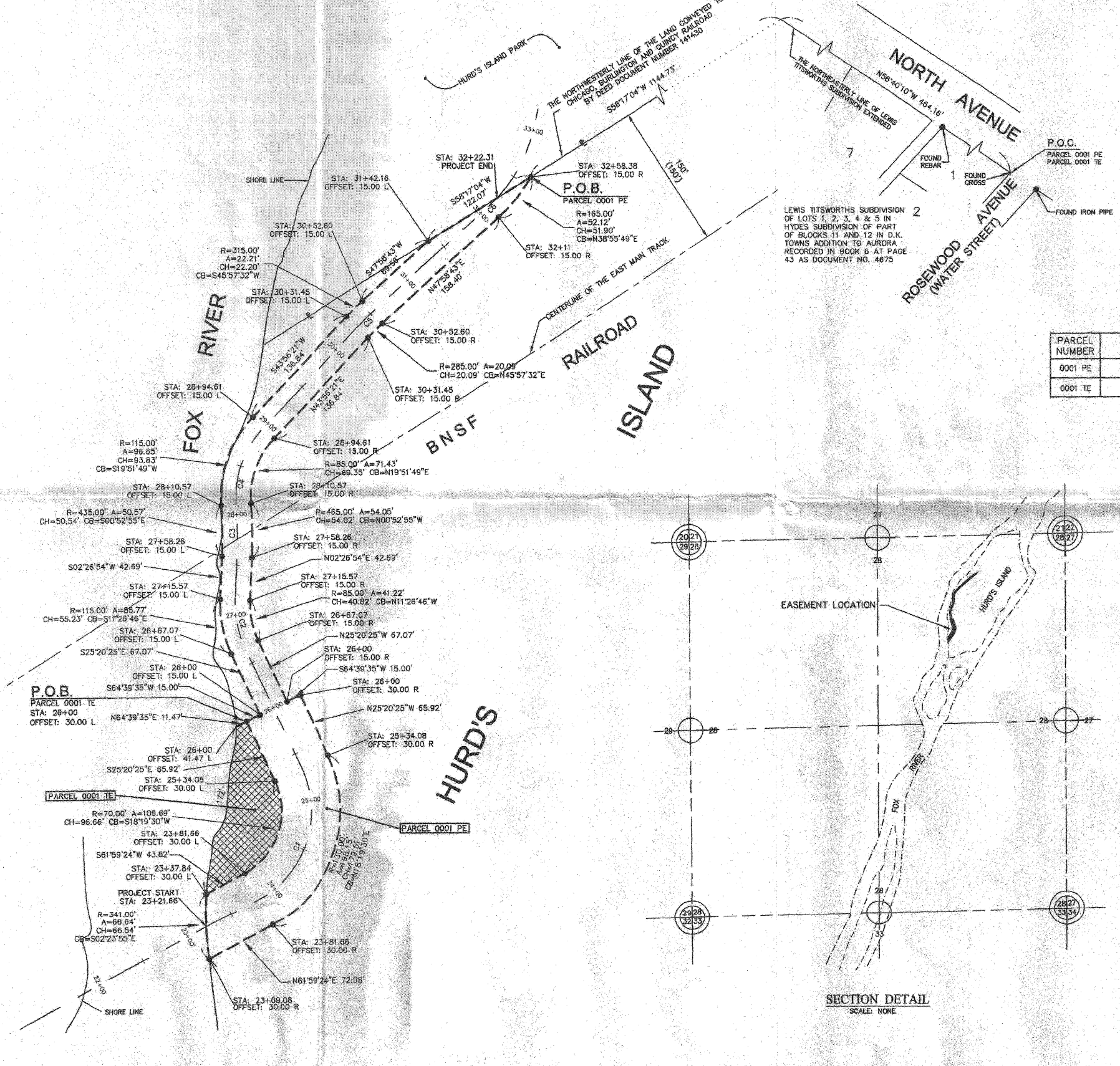
PLAT OF EASEMENT
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
FOX RIVER TRAIL

SECTION: COUNTY: KANE
PROJECT: JOB NO.:
STATION: 23 + 21.66 TO STATION: 32 + 22.31
SCALE: 1" = 50' SHEET 1 OF 1

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

DATE	REVISION	DESCRIPTION
5-20-08	LETTER DATED 5-13-08	

RECORDED: RECORDED ON AS DOCUMENT NO.



COUNTY: KANE JOB NO.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF EASEMENT
(BY OTHERS)

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	9

SCALE: SHEET NO. 9 OF 58 SHEETS STA. TO STA. FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT CONTRACT NO. 63517

FILE NAME = P:\DBREL_WEST_Projects\5-2008\9123140_FoxRiver-Phd\C:\w1\0gpr\shah\PLA121.dgn
BY DATE
MADE CHECKED
NOTED
PLAT NOTEBOOK NO.

WILLS BURKE KELSEY ASSOCIATES LTD.
110 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

USER NAME = #USER#	DESIGNED -	REVISED - 10/5/10
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE = 12/20/2010	CHECKED -	REVISED -
	DATE - 12/20/10	REVISED -

FOR REFERENCE ONLY

PLAT OF EASEMENT

PART OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN KANE COUNTY, ILLINOIS

GRAPHIC SCALE
 (IN FEET)
 1 inch = 30 ft.

LEGEND

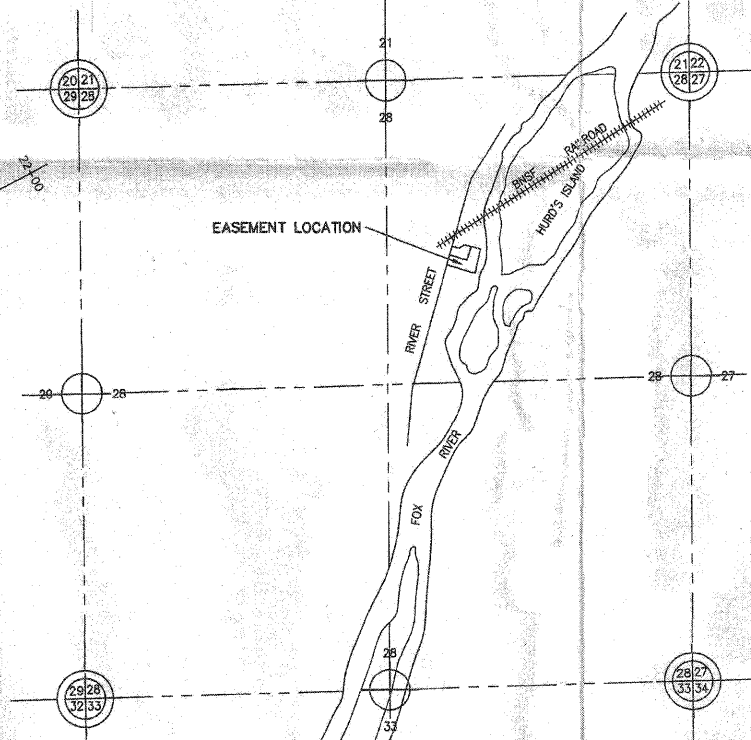
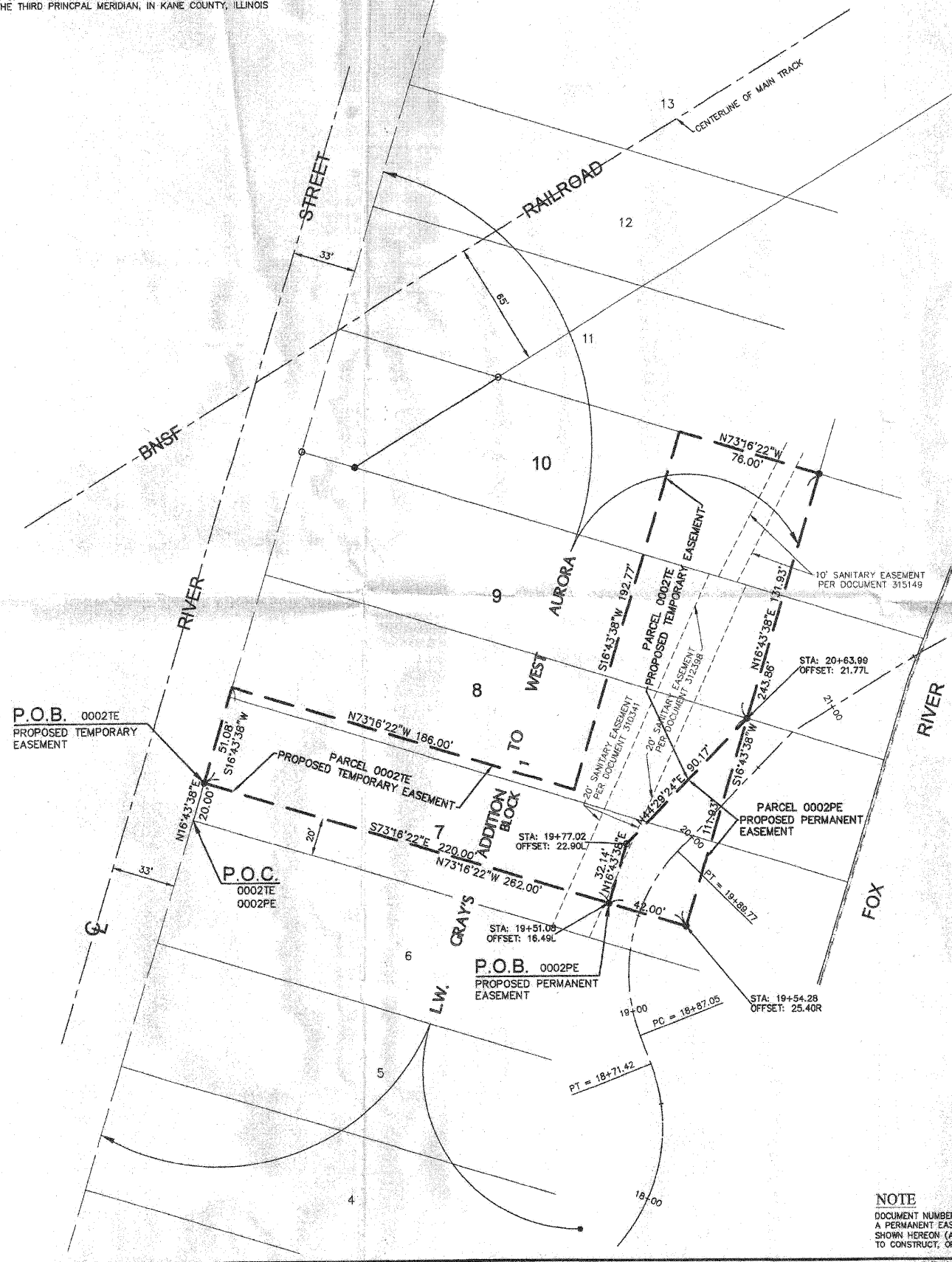
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PLOTTED LOT LINE
- PROPERTY (DEED) LINE
- APPEARANT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE
- CUT CROSS FOUND OR SET
- PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- "MAG" NAIL SET
- 7/8" IRON PIPE SET

SECTION CORNER

QUARTER SECTION CORNER

BASIS OF BEARINGS: ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (NAD83, 1997)
 ALL DIMENSIONS SHOWN HEREON ARE NAD83(1997)(GROUND)

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0002PE	CITY OF AURORA	1.379	0.069	RECREATION PATH	15-28-253-033	
0002TE	CITY OF AURORA	1.379	0.574	CONSTRUCTION	15-28-253-033	



CERTIFICATION
 STATE OF ILLINOIS }
 COUNTY OF KANE } SS

THIS IS TO CERTIFY THAT WE, COMPASS LAND SURVEYING LTD, AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 194-002778, HAVE PLATTED THE EASEMENT SHOWN HEREON IN SECTION 28, TOWNSHIP 38 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS, AND THAT THIS PLAT IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID EASEMENT, 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 EASEMENT TO BE RETRACED. THIS PLAT WAS MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT AURORA, ILLINOIS THIS 27TH DAY OF FEBRUARY 2010 A.D.

Daniel W. Walter
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 28205
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2010



COMPASS SURVEYING LTD

2551 GINGER WOODS PARKWAY, STE. 100
 AURORA, IL 60502
 PHONE: (630) 820-9100 FAX: (630) 820-7030
 PROJECT NO. 9416.02

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

SECTION: COUNTY: KANE
 PROJECT: JOB NO.: R-55-001-97
 STATION: 19+51.08 TO STATION: 20+63.99
 SCALE: 1" = 30' SHEET 1 OF 1

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

REVISION	
DATE	DESCRIPTION
2-27-2009	PER IDOT COMMENTS

NOTE
 DOCUMENT NUMBER 1748409 RETAINS AND RESERVES A PERMANENT EASEMENT OVER LOTS 7, 8 AND 9 AS SHOWN HEREON (AND OTHER LAND), FOR THE RIGHT TO CONSTRUCT, OPERATE AND MAINTAIN A DAM.

COUNTY: KANE JOB NO.

RECORDED: RECORDED ON

AS DOCUMENT NO. 9416.02
 G:\PDATA\9000\9416\9416.02\9416.02\PLATEASEMENT.DWG

BY	DATE
MADE	
CHECKED	
INRCD	
PLAT	
NOTEBOOK NO.	

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WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174
 (630) 443-7755

USER NAME = #USER#	DESIGNED -	REVISED - 10/5/10
PLAT SCALE =	DRAWN -	REVISED -
PLAT DATE = 12/20/2010	CHECKED -	REVISED -
	DATE - 12/20/10	REVISED -

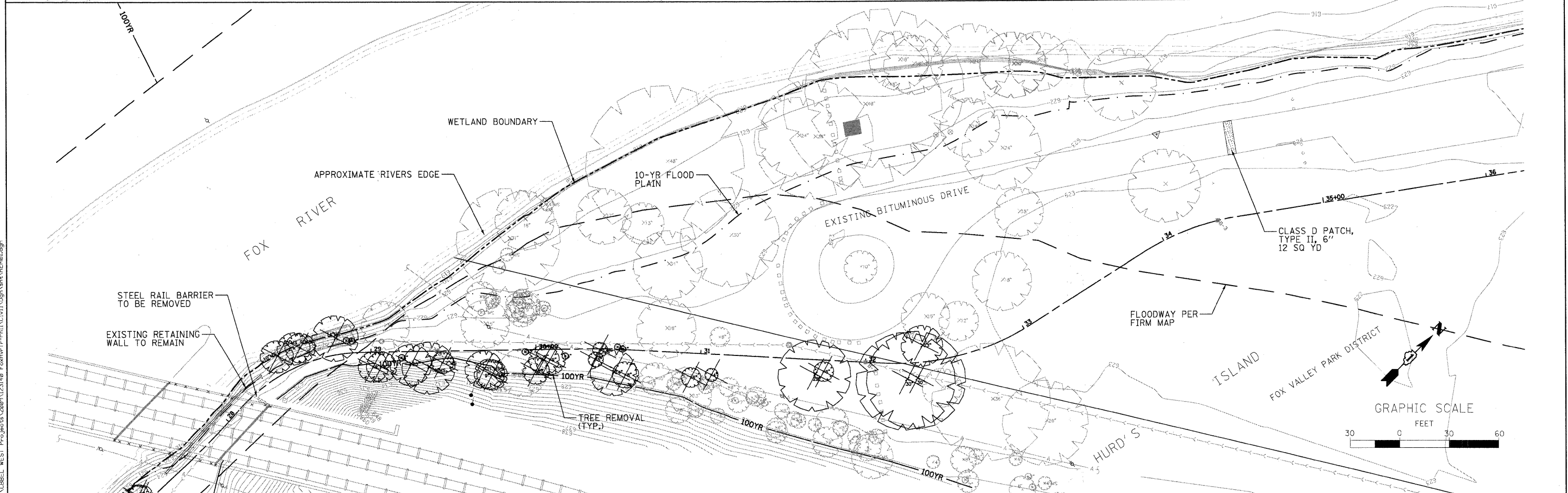
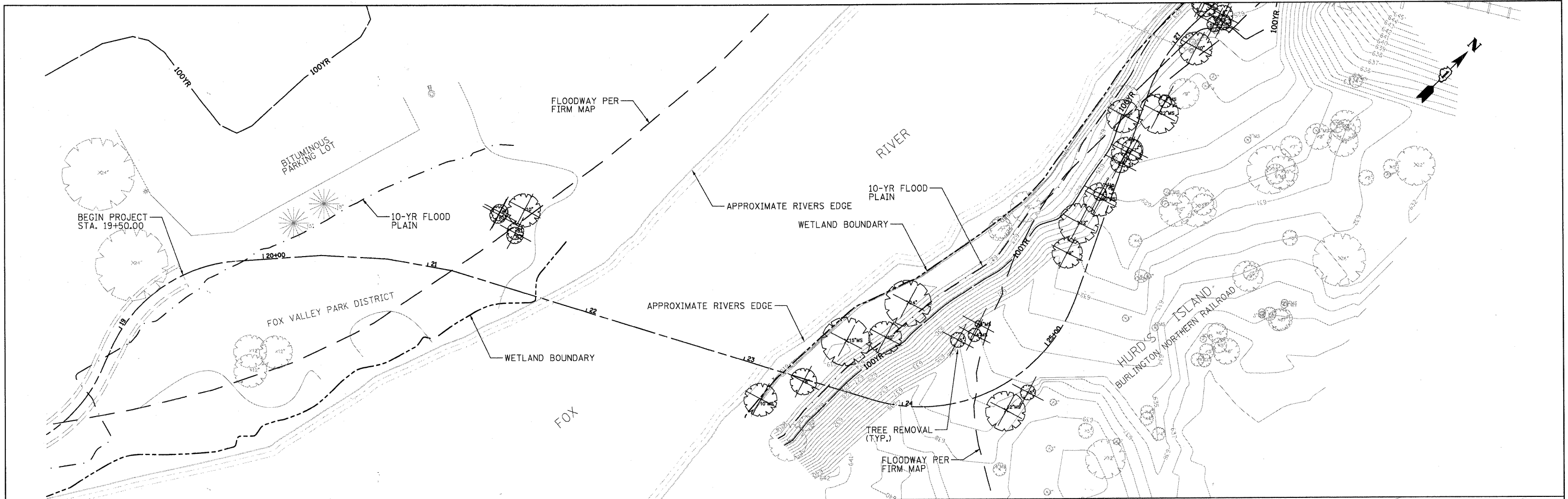
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF EASEMENT
(BY OTHERS)

SCALE: SHEET NO. 10 OF 58 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	10
CONTRACT NO. 63517				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FOR REFERENCE ONLY



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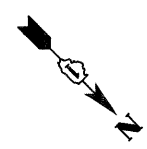
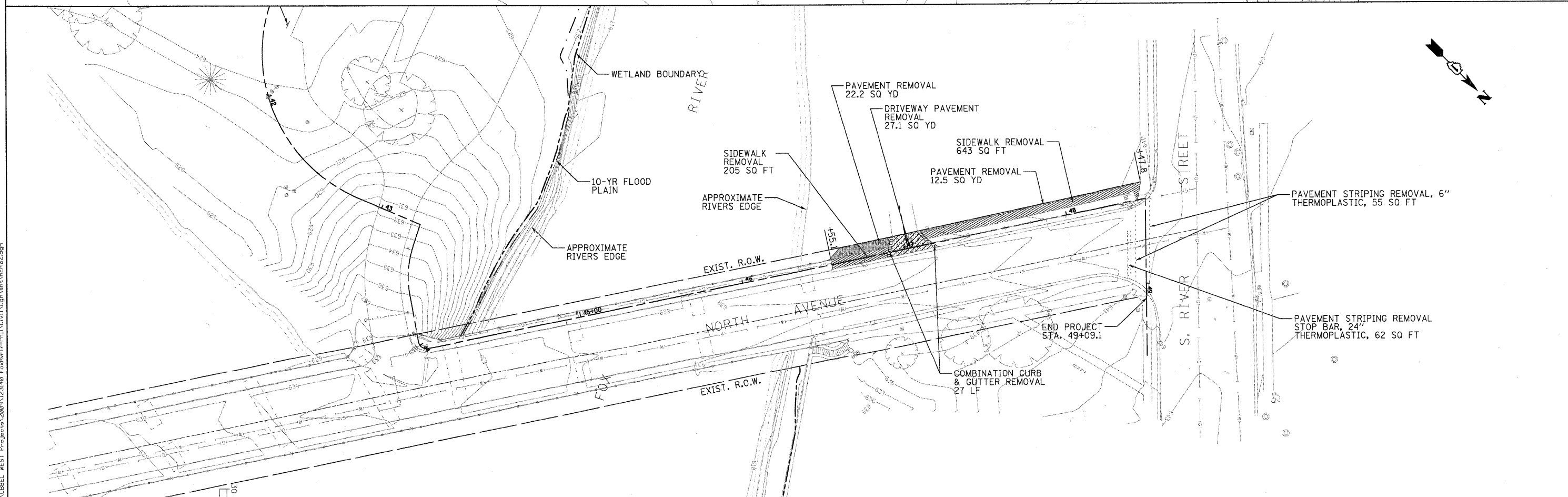
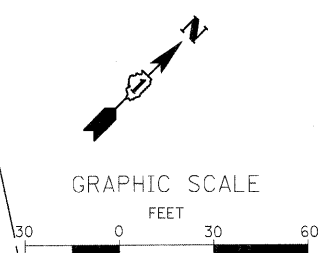
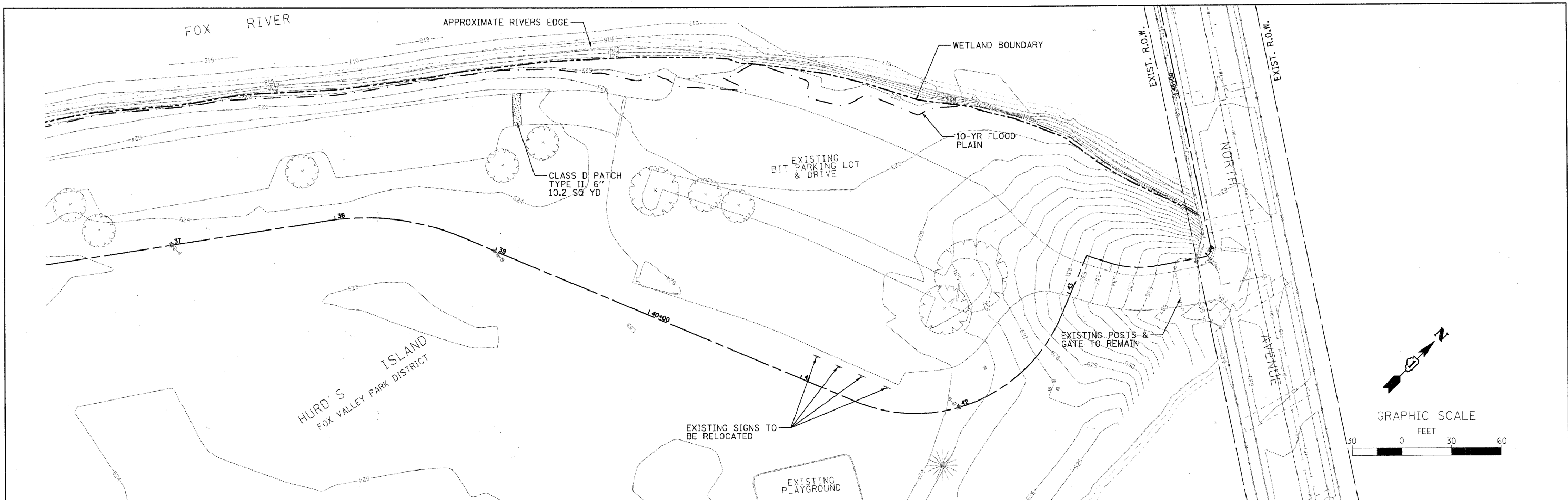
WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174
 (630) 443-7755

USER NAME = \$USER\$	DESIGNED - DB	REVISED - 10/5/10
PLOT SCALE = AS SHOWN	DRAWN - NP	REVISED -
PLOT DATE = 12/22/2010	CHECKED - DB	REVISED -
	DATE - 12/20/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS & REMOVAL PLANS
 SCALE: AS SHOWN SHEET NO. 11 OF 58 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	11
CONTRACT NO. 63517				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



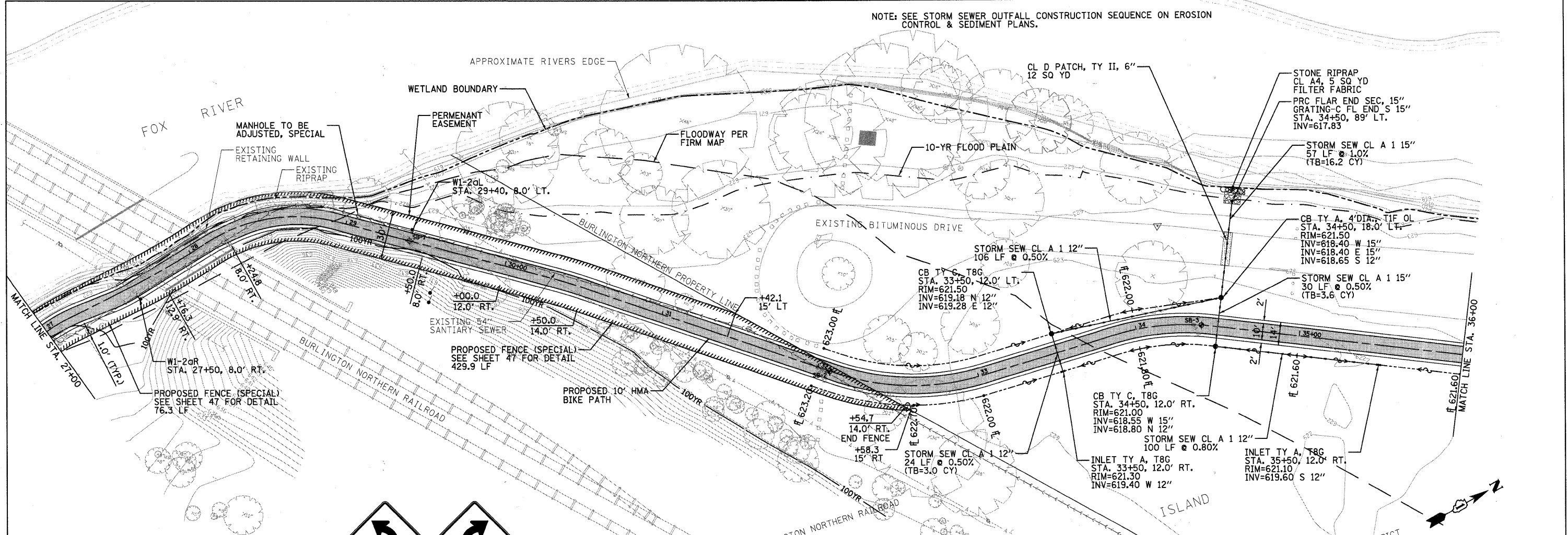
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WILLS BURKE KELSEY ASSOCIATES LTD. 110 West Main Street, Suite 201 St. Charles, Illinois 60174 (630) 443-7755	USER NAME = #USERS	DESIGNED - DB	REVISED - 10/5/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING CONDITIONS & REMOVAL PLANS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = AS SHOWN	DRAWN - NP	REVISED -		05-F3000-06-BT	KANE	58	12			
	PLOT DATE = 12/20/2010	CHECKED - DB	REVISED -		CONTRACT NO. 63517						
	DATE - 12/20/10	DATE -	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT						
SCALE: AS SHOWN					SHEET NO. 12 OF 58 SHEETS		STA. TO STA.				

NOTE: SEE STORM SEWER OUTFALL CONSTRUCTION SEQUENCE ON EROSION CONTROL & SEDIMENT PLANS.

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	
DATE	
BY	

DATE	
BY	
PROFILE	
NO.	
DATE	
BY	



PROP. CURVE 16
 PI STA = 26+96.38
 Δ = 32° 40' 05" (RT)
 D = 57' 11" 45"
 R = 100.00'
 T = 29.31'
 L = 57.02'
 E = 4.21'
 P.C. STA = 26+67.07
 P.T. STA = 27+24.09

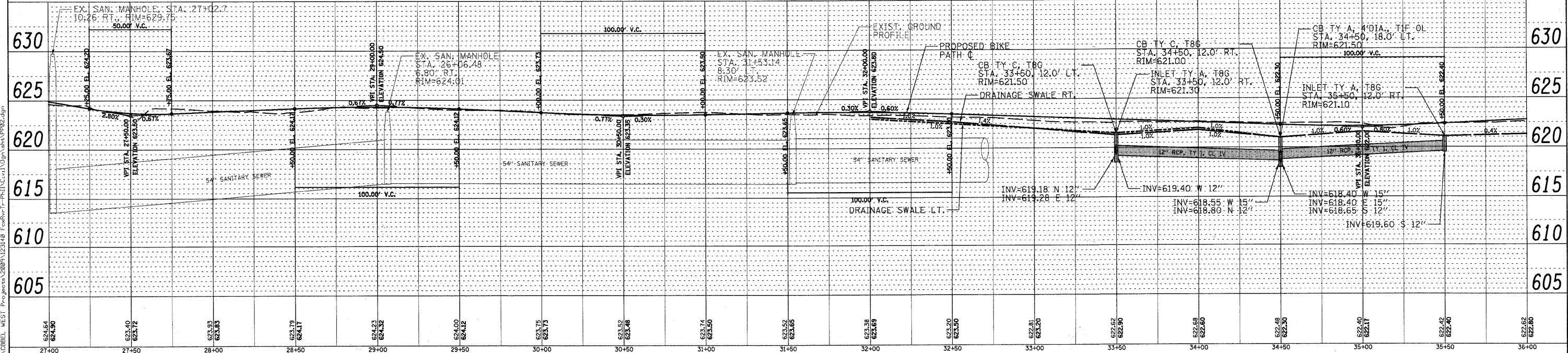
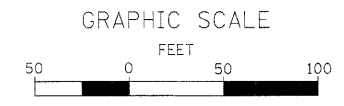
PROP. CURVE 17
 PI STA = 28+62.95
 Δ = 39° 52' 50" (RT)
 D = 63' 39" 43"
 R = 90.00'
 T = 32.65'
 L = 62.64'
 E = 5.74'
 P.C. STA = 28+30.30
 P.T. STA = 28+92.95



PROP. CURVE 18
 PI STA = 30+42.03
 Δ = 4° 02' 22" (RT)
 D = 19' 05" 55"
 R = 300.00'
 T = 10.58'
 L = 21.15'
 E = 0.19'
 P.C. STA = 30+31.45
 P.T. STA = 30+52.60

PROP. CURVE 19
 PI STA = 32+59.04
 Δ = 35° 30' 57" (LT)
 D = 38' 11" 50"
 R = 150.00'
 T = 48.04'
 L = 92.98'
 E = 7.50'
 P.C. STA = 32+11.00
 P.T. STA = 33+03.98

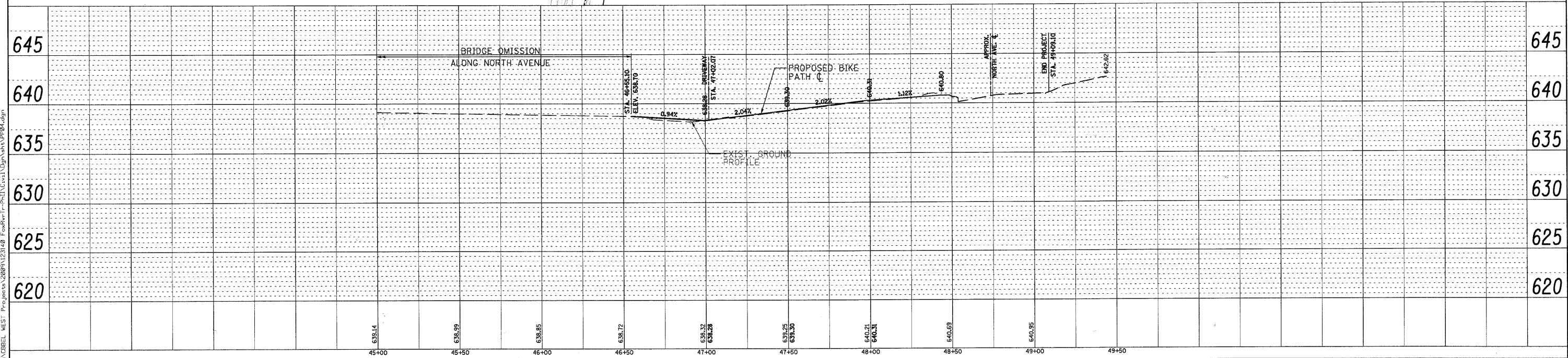
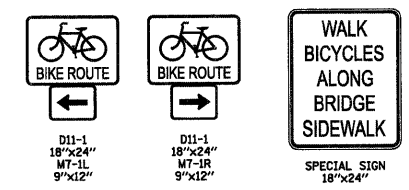
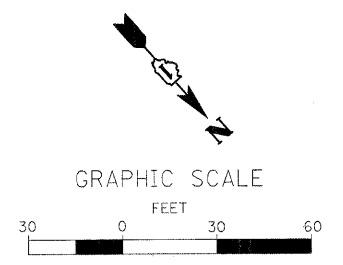
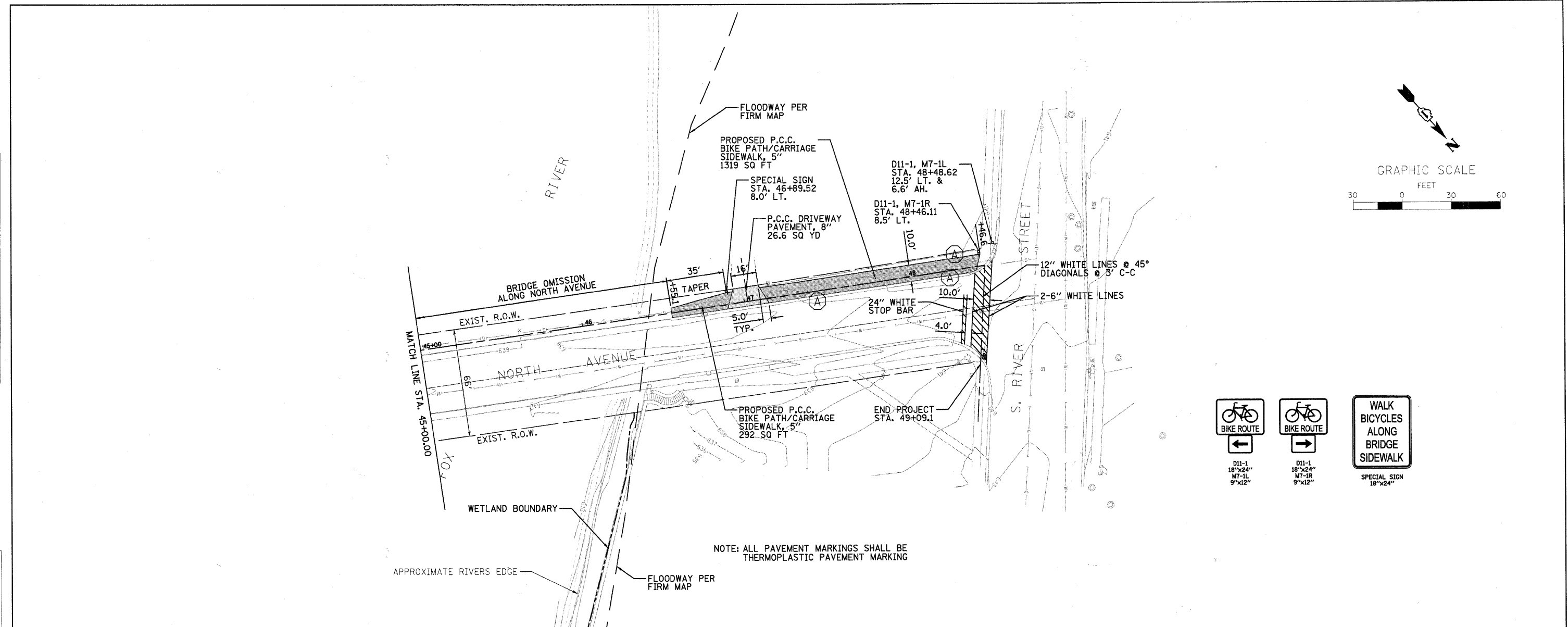
PROP. CURVE 20
 PI STA = 34+16.88
 Δ = 23° 29' 42" (RT)
 D = 38' 11" 50"
 R = 150.00'
 T = 31.19'
 L = 61.51'
 E = 3.21'
 P.C. STA = 33+85.69
 P.T. STA = 34+47.20



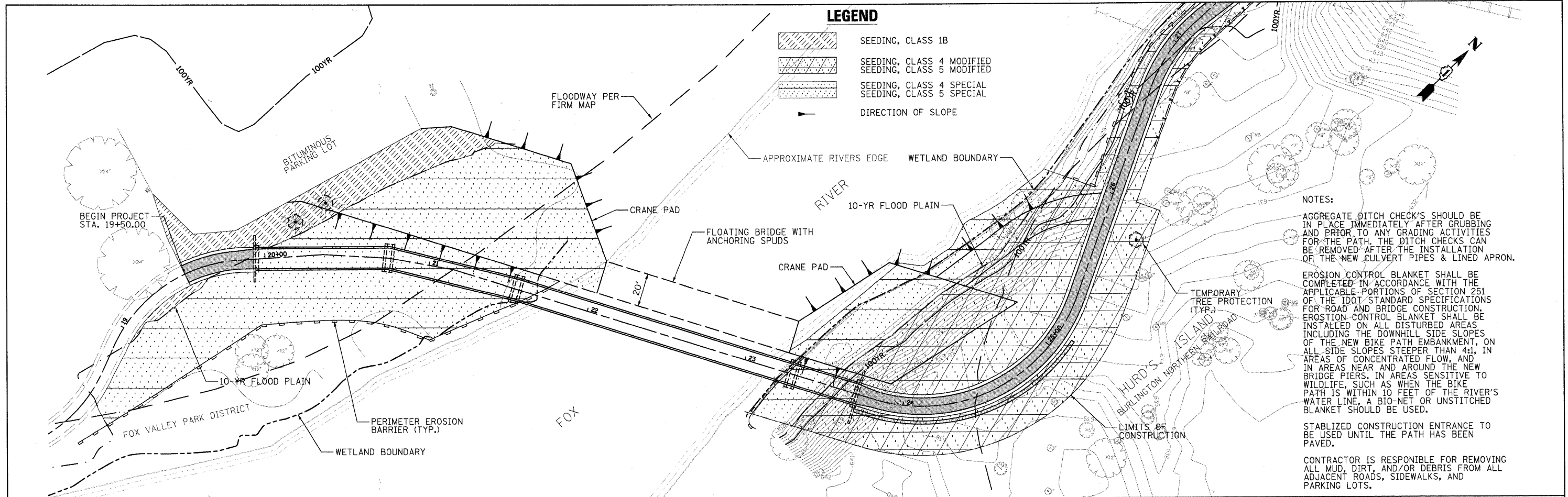
WILLS BURKE KELSEY ASSOCIATES LTD. 119 West Main Street, Suite 201 St. Charles, Illinois 60174 (630) 443-7755	USER NAME = #USER#	DESIGNED - DB	REVISED - 10/5/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = AS SHOWN	CHECKED - DB	REVISED -			05-F3000-06-BT	KANE	58	14	
	PLOT DATE = 12/20/10	DATE - 12/20/10	REVISED -			CONTRACT NO. 63517				
						SCALE: AS SHOWN	SHEET NO. 14 OF 58 SHEETS	STA. 27+00 TO STA. 36+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT


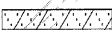
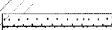


DATE	
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SURVEYED	
PLANNED	
NOTED	
FILED	

DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
FILED	



WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174 (830) 443-7755	USER NAME = @USER#	DESIGNED - DB	REVISED - 10/5/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = AS SHOWN	CHECKED - DB	REVISED -		SCALE: AS SHOWN	SHEET NO. 16 OF 58 SHEETS	STA. 45+00 TO STA. 49+09.10	05-F3000-06-BT	KANE	58	16	
PLOT DATE = 12/20/2010	DATE - 12/20/10	REVISED -						CONTRACT NO. 63517				
								ILLINOIS FED. AID PROJECT				



- LEGEND**
-  SEEDING, CLASS 1B
 -  SEEDING, CLASS 4 MODIFIED
 -  SEEDING, CLASS 4 SPECIAL
 -  SEEDING, CLASS 5 SPECIAL
 -  DIRECTION OF SLOPE

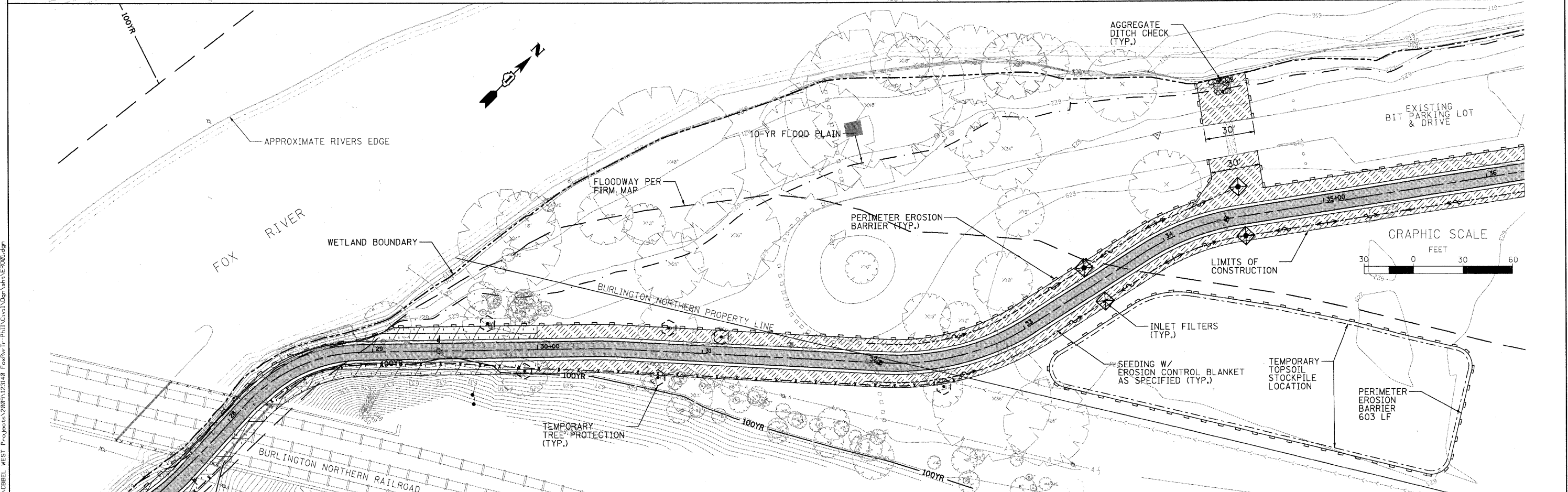
NOTES:

AGGREGATE DITCH CHECK'S SHOULD BE IN PLACE IMMEDIATELY AFTER GRUBBING AND PRIOR TO ANY GRADING ACTIVITIES FOR THE PATH. THE DITCH CHECKS CAN BE REMOVED AFTER THE INSTALLATION OF THE NEW CULVERT PIPES & LINED APRON.


EROSION CONTROL BLANKET SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 251 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL DISTURBED AREAS INCLUDING THE DOWNHILL SIDE SLOPES OF THE NEW BIKE PATH EMBANKMENT, ON ALL SIDE SLOPES STEEPER THAN 4:1, IN AREAS OF CONCENTRATED FLOW, AND IN AREAS NEAR AND AROUND THE NEW BRIDGE PIERS. IN AREAS SENSITIVE TO WILDLIFE, SUCH AS WHEN THE BIKE PATH IS WITHIN 10 FEET OF THE RIVER'S WATER LINE, A BIO-NET OR UNSTITCHED BLANKET SHOULD BE USED.

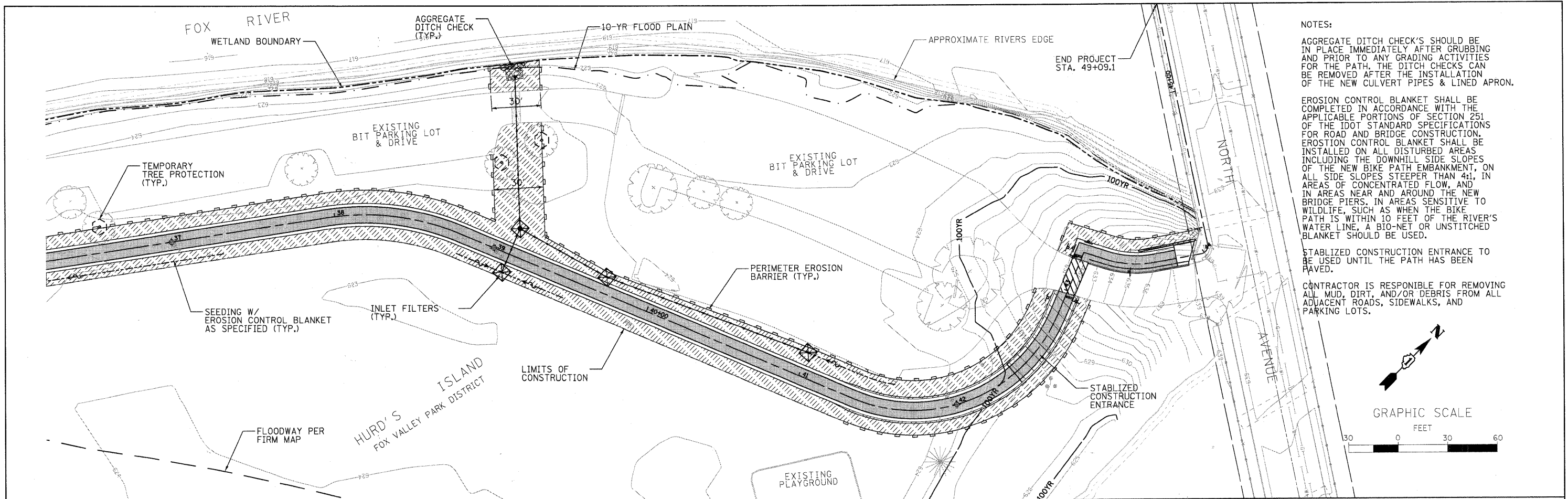
STABILIZED CONSTRUCTION ENTRANCE TO BE USED UNTIL THE PATH HAS BEEN PAVED.

CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL MUD, DIRT, AND/OR DEBRIS FROM ALL ADJACENT ROADS, SIDEWALKS, AND PARKING LOTS.



FILE NAME = P:\DBREL WEST Projects\2009\123149 FoxRv-Tr-Ph11\G:\w1\dgn\sh\ER001.dgn

 WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174 (830) 443-7755	USER NAME = #USER#	DESIGNED - PV	REVISED - 10/5/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL & SEDIMENT PLANS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = AS SHOWN	DRAWN - NP	REVISED -		05-F3000-06-BT	KANE	58	17			
	PLOT DATE = 12/20/2010	CHECKED - PV	REVISED -		CONTRACT NO.63517						
	DATE - 12/20/10	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
				SCALE: AS SHOWN	SHEET NO. 17 OF 58 SHEETS	STA. TO STA.					




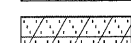
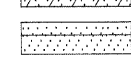
NOTES:
 AGGREGATE DITCH CHECK'S SHOULD BE IN PLACE IMMEDIATELY AFTER GRUBBING AND PRIOR TO ANY GRADING ACTIVITIES FOR THE PATH. THE DITCH CHECKS CAN BE REMOVED AFTER THE INSTALLATION OF THE NEW CULVERT PIPES & LINED APRON.

EROSION CONTROL BLANKET SHALL BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 251 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL DISTURBED AREAS INCLUDING THE DOWNHILL SIDE SLOPES OF THE NEW BIKE PATH EMBANKMENT, ON ALL SIDE SLOPES STEEPER THAN 4:1, IN AREAS OF CONCENTRATED FLOW, AND IN AREAS NEAR AND AROUND THE NEW BRIDGE PIERS. IN AREAS SENSITIVE TO WILDLIFE, SUCH AS WHEN THE BIKE PATH IS WITHIN 10 FEET OF THE RIVER'S WATER LINE, A BIO-NET OR UNSTITCHED BLANKET SHOULD BE USED.

STABILIZED CONSTRUCTION ENTRANCE TO BE USED UNTIL THE PATH HAS BEEN PAVED.

CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL MUD, DIRT, AND/OR DEBRIS FROM ALL ADJACENT ROADS, SIDEWALKS, AND PARKING LOTS.

LEGEND

-  SEEDING, CLASS 1B
-  SEEDING, CLASS 4 MODIFIED
SEEDING, CLASS 5 MODIFIED
-  SEEDING, CLASS 4 SPECIAL
SEEDING, CLASS 5 SPECIAL

FILE NAME = P:\DBBEL WEST Projects\2009\123148 FoxRvr-Tr-PhII\Cv1\Ugpr\shk\ER002.dgn

WBK WILLS BURKE KELSEY ASSOCIATES LTD.
 110 West Main Street, Suite 201
 St. Charles, Illinois 60174
 (830) 443-7755

USER NAME = @USER@	DESIGNED - PV	REVISED - 10/5/10
	DRAWN - NP	REVISED -
PLOT SCALE = AS SHOWN	CHECKED - PV	REVISED -
PLOT DATE = 12/20/2010	DATE - 12/20/10	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL
 & SEDIMENT PLANS**

SCALE: AS SHOWN SHEET NO. 18 OF 58 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	18
CONTRACT NO. 63517				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEEDING, CLASS 1B	
Lbs./Acre	Common Name
150.000	Fine Leaf-turf-type fescue
20.000	Perennial ryegrass
10.000	Red top
20.000	Creeping red fescue
200.000	Total Weight of Seeds (lbs)

SEEDING, CLASS 4 SPECIAL				
WET TO MESIC PRAIRE				
Lbs/Acre	Scientific Name	Common Name	C - Value	Ind. Status
2.000	Andropogon gerardii	big bluestem	5	FAC-
0.250	Calamagrostis canadensis	blue joint grass	3	OBL
1.000	Elymus virginicus	Virginia wild rye	4	FACW-
0.500	Glyceria striata	fowl manna grass	4	FACW
1.000	Leersia oryzoides	rice cut grass	4	OBL
0.250	Panicum virgatum	switch grass	5	FAC+
0.250	Spartina pectinata	cord grass	4	FACW+
0.125	Carex annectens xanthocarpa	yellow fruited sedge	7	FAC
0.125	Carex bebbii	Bebb's sedge	6	OBL
0.063	Carex buxbaumii	sedge	9	OBL
0.125	Carex normalis	normal sedge	5	FAC
0.125	Carex vulpinoidea	fox sedge	2	OBL
0.062	Eleocharis acicularis	needle spike rush	2	OBL
0.062	Eleocharis erythropoda	red-rooted spike rush	2	OBL
0.031	Juncus dudleyi	Dudley's rush	4	FAC
0.062	Juncus torreyi	Torrey rush	4	FACW
0.500	Scirpus atrovirens	dark green rush	4	OBL
6.530	Total Weight of Seeds (lbs)			

Cover Crop:				
1.000	Agrostis alba palustris	bent grass	10	OBL
3.000	Lolium multiflorum	annual rye	0	UPL
0.250	Polygonum pennsylvanicum	Pennsylvania knotweed	0	FACW+

SEEDING, CLASS 5 SPECIAL				
WET TO MESIC PRAIRE				
Lbs/Acre	Scientific Name	Common Name	C - Value	Ind. Status
0.063	Asclepias incarnata	swamp milkweed	4	OBL
0.125	Aster laevis	smooth blue aster	9	UPL
0.031	Aster novae-angliae	New England aster	4	FACW
0.031	Aster prealtius	willow aster	9	OBL
0.250	Baptisia leucantha	wild white indigo	8	FACU+
0.062	Bidens sp.	tickseed		
0.031	Chelone glabra	turtle head	8	OBL
0.150	Desmodium canadense	showy tick trefoil	4	FAC-
0.259	Eupatorium maculatum	spotted joe pye weed	4	OBL
0.115	Eupatorium perfoliatum	boneset	4	FACW+
0.500	Helenium autumnale	sneezeweed	5	FACW+
0.063	Hypericum pyramidatum	great St. John's wort	10	FAC+
0.125	Iris virginica shrevei	blue flag	5	OBL
0.188	Liatris spicata	spiked gayfeather	6	FAC
0.313	Liatris pycnostachya	prairie gayfeather	8	FAC-
0.031	Lobelia siphilitica	great blue lobelia	6	FACW+
0.063	Lycopus americanus	water horehound	5	OBL
0.015	Lythrum alatum	winged loosestrife	7	OBL
0.031	Mimulus ringens	monkey flower	6	OBL
0.016	Monarda fistulosa	bergamot	4	FACU
0.001	Penthorum sedoides	ditch stoncrop	5	OBL
0.063	Physostegia virginiana	false dragonhead	6	OBL
0.160	Pycnanthemum virginianum	common mountain mint	5	FACW+
0.250	Rudbeckia hirta	black-eyed susan	1	FACU
0.063	Rudbeckia laciniata	wild golden glow	5	FACW+
0.125	Silphium perfoliatum	cup plant	5	FACW-
0.063	Solidago riddellii	Riddell's goldenrod	7	OBL
0.125	Solidago rigida	stiff goldenrod	4	FACW-
0.046	Verbena hastata	blue vervain	4	FACW+
0.018	Vernonia fasciculata	common ironweed	5	FACW
0.063	Veronicastrum virginicum	Culver's root	7	FAC
0.031	Zizia aurea	golden alexander	7	FAC+
3.470	Total Weight of Seeds (lbs)			

SEEDING, CLASS 4 MODIFIED				
MESIC PRAIRIE				
Lbs/Acre	Scientific Name	Common Name	C - Value	Ind. Status
2.000	Andropogon gerardii	big bluestem	5	FAC-
1.000	Andropogon scoparius	little bluestem	5	FACU-
0.500	Bouteloua curtipendula	side oats	8	UPL
1.500	Elymus canadensis	Canada wild rye	4	FAC-
1.000	Panicum virgatum	switch grass	5	FAC+
1.500	Sorghastrum nutans	indian grass	5	FACU+
0.062	Carex bicknellii	Bicknell's sedge	10	UPL
7.562	Total Weight of Seeds (lbs)			

Cover Crop:				
3.000	Lolium multiflorum	annual rye	0	UPL
32.000	Avena sativa	oats	0	UPL

SEEDING, CLASS 5 MODIFIED				
MESIC PRAIRIE				
Lbs/Acre	Scientific Name	Common Name	C - Value	Ind. Status
0.125	Amorpha canescens	leadplant	9	UPL
0.062	Aster laevis	smooth blue aster	9	UPL
0.062	Aster novae-angliae	New England aster	4	FACW
0.062	Baptisia leucantha*	white wild indigo	8	FACU+
0.125	Cassia fasciculata*	partridge pea	5	FACU-
0.500	Echinacea purpurea	purple coneflower	3	UPL
0.250	Eryngium yuccifolium	rattlesnake master	9	FAC+
0.031	Helioopsis helianthoides	ox-eye sunflower	5	UPL
0.125	Lespedeza capitata*	roundhead bushclover	4	FACU
0.125	Liatris aspera	button blazing star	6	UPL
0.250	Liatris pycnostachya	prairie blazing star	8	FAC-
0.031	Monarda fistulosa	bergamot	4	FACU
0.063	Parthenium integrifolium	wild quinine	8	UPL
0.125	Penstemon digitalis	foxglove beardtongue	4	FAC-
0.063	Petalosternum purpureum	purple prairie clover	9	UPL
0.063	Physostegia virginiana	false dragonhead	6	OBL
0.063	Potentilla arguta	prairie cinquefoil	9	FACU-
0.125	Ratibida pinnata	yellow coneflower	4	UPL
0.125	Rosa blanda	early wild rose	5	FACU
0.250	Rudbeckia hirta	black-eyed susan	1	FACU
0.250	Rudbeckia subtomentosa	sweet coneflower	9	FACU+
0.250	Silphium integrifolium	rosin weed	5	UPL
0.250	Silphium laciniatum	compass plant	5	UPL
0.250	Silphium teresbinthinaceum	prairie dock	5	FACU
0.125	Solidago nemoralis	old-field goldenrod	4	UPL
0.063	Solidago riddellii	Riddell's goldenrod	7	OBL
0.063	Solidago rigida	stiff goldenrod	4	FACW-
0.063	Solidago speciosa	showy goldenrod	7	UPL
0.063	Tradescantia ohioensis	spiderwort	2	FACU+
0.125	Verbena stricta	hoary vervain	4	UPL
0.250	Vernonia fasciculata	common ironweed	5	FACW
0.015	Veronicastrum virginicum	Culver's root	7	FAC
4.392	Total Weight of Seeds (lbs)			

FILE NAME = P:\CBBEL WEST Projects\2009\123148 FoxRv-Tr-PHIT-C-v1\0dgn\shh\ER083.dgn



USER NAME = \$USER\$	DESIGNED - PV	REVISED - 10/5/10
DRAWN - NP	REVISED -	
PLOT SCALE =	CHECKED - PV	REVISED -
PLOT DATE = 12/28/2010	DATE - 12/20/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL & SEDIMENT PLANS
SEEDING MIX**

SCALE: SHEET NO. 19 OF 58 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	19
CONTRACT NO.63517				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

EROSION AND SEDIMENT CONTROL KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT NOTES

- 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 REVISED 2009.
- 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.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- 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.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
- DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO THE RIVER FIELD TILES OR STORMWATER STRUCTURES IS STRICTLY PROHIBITED.
- "IT IS THE RESPONSIBILITY OF THE LANDOWNER 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."

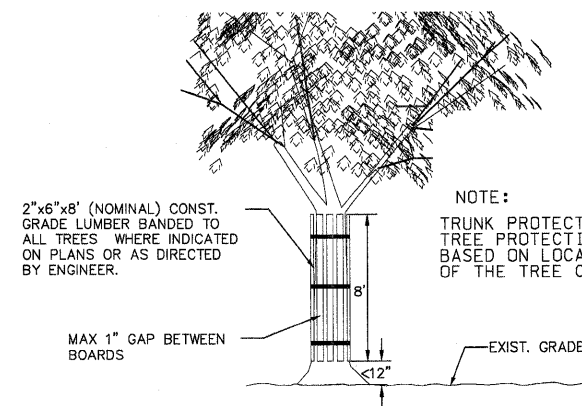
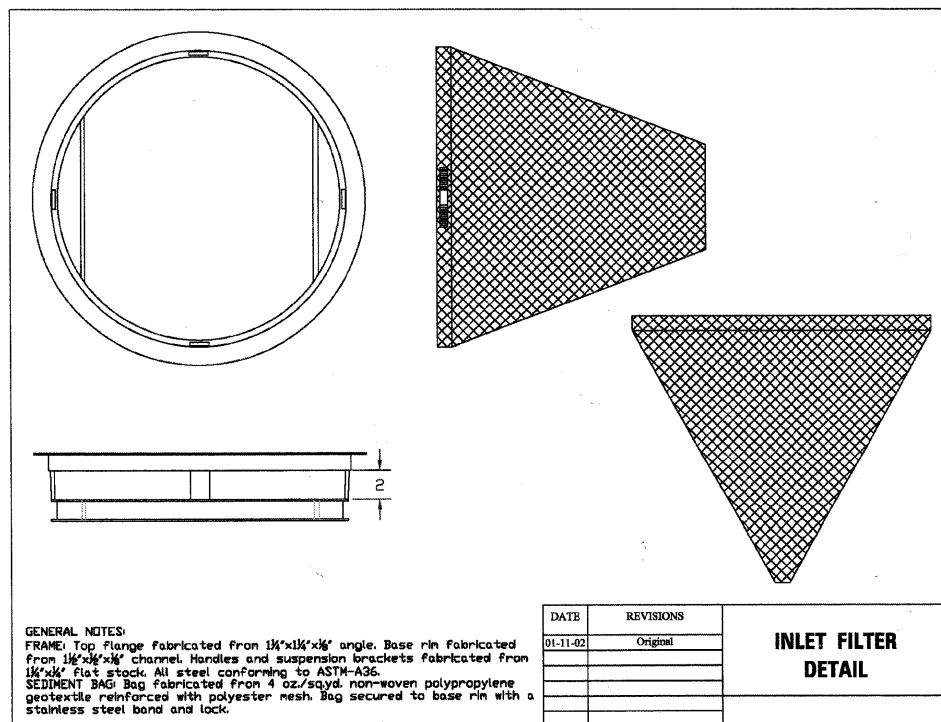
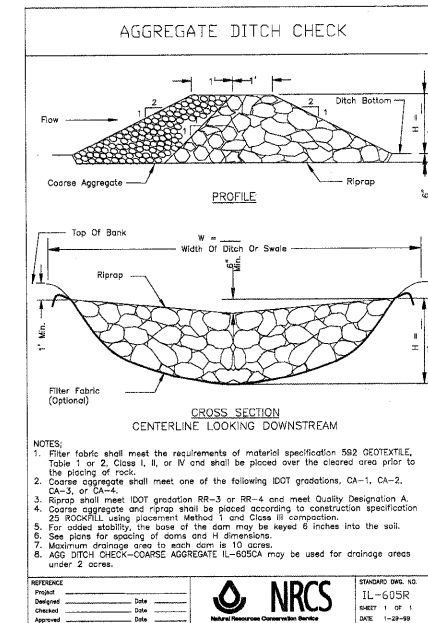
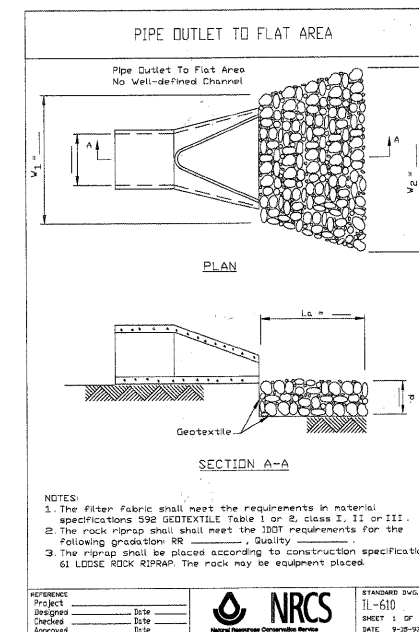
ADDITIONAL EROSION AND SEDIMENT CONTROL NOTES

- NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOWS.
- THE COMPLETED SLOPES SHALL BE SEEDED AND MULCHED, OR BLANKETED IF APPLICABLE AS THE EXCAVATION PROCEEDS TO THE EXTENT CONSIDERED DESIRABLE AND PRACTICAL. PERMANENT SEEDING SHALL BE USED WHENEVER POSSIBLE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
- ALL DISTURBED AREAS SHALL BE COVERED IN AN ACCEPTABLE OR APPROVED TYPE OF PERMANENT SEEDING UNLESS OTHERWISE INDICATED.
- WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN SEVEN (7) DAYS OF COMPLETION. WHERE WORK HAS TEMPORARILY CEASED FOR FOURTEEN (14) DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 7TH DAY AFTER WORK HAS CEASED.
- ALL ADJACENT STREETS AND PARKING LOTS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED WHEN NECESSARY.
- CONCRETE WASHOUT LOCATIONS SHOULD BE DRAWN ON THESE PLANS BY THE CONTRACTOR AT TIME OF INSTALLATION. WASHOUTS ARE TO BE CONSTRUCTED AND MAINTAINED BY THE CONTRACTOR IN A MANNER CONSISTANT WITH THE LATEST VERSION OF THE ILLINOIS URBAN MANUAL.

- 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 (IE. PERIMETER SILT FENCE). STOCKPILES NOT ACTIVELY BEING WORKED AND TO REMAIN IN PLACE FOR 14 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.
- ALL EROSION CONTROL MEASURES ARE TO BE INSPECTED EVERY SEVEN (7) CALENDER DAYS AND WITHIN 24 HOURS OF A ½" RAIN EVENT. DETAILS OF THE INSPECTION REQUIREMENTS ARE PROVIDED IN THE STORMWATER POLLUTION PREVENTION PLAN (FORM BDE 2342).

THE EROSION AND SEDIMENT CONTROL SCHEDULE SHALL INCLUDE THE FOLLOWING:

- CLEARING OF AREAS NECESSARY FOR INSTALLATION OF PERIMETER CONTROLS SPECIFIED IN THE CONTRACT DOCUMENTS.
- CONSTRUCTION OF PERIMETER CONTROLS SPECIFIED IN THE CONTRACT DOCUMENTS.
- REMAINING CLEARING.
- INSTALLATION OF TEMPORARY CAUSEWAY.
- TRAIL GRADING (INCLUDING OFF-SITE WORK).
- STRUCTURAL STABILIZATION DEVICES LISTED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
- WINTER SHUTDOWN DATE AND PROBABLE DAYS LOST TO INCLEMENT WEATHER.
- SEEDING DATES
- IF APPLICABLE, UTILITY INSTALLATION AND WHETHER STORM DRAINS SHALL BE USED OR BLOCKED AFTER CONSTRUCTION.
- FINAL GRADING, LANDSCAPING, AND STABILIZATION.
- REMOVAL OF PERIMETER CONTROLS AS REQUIRED BY PLANS.



OUTFALL CONSTRUCTION SEQUENCE

- PLACE SILT FENCE ON EITHER SIDE OF THE TRENCH AND HAUL ROAD THAT WILL BE CREATED IN ORDER TO PLACE THE STORMWATER PIPE INTO THE RIVER BANK. THE SILT FENCE SHOULD BE MAINTAINED UNTIL THE ENTIRE AREA NEAR THE STREAMBANK IS STABILIZED.
- ALL EXPOSED SOIL MUST BE SEEDED AND STABILIZED WITH A BIO-NET, JUTE, OR APPROPRIATE EROSION CONTROL BLANKET PRIOR TO BEING EXPOSED TO FAST FLOWING WATER.
- THE WORK AREA ON THE BANK NEAR THE OUTFALL SHOULD IMMEDIATELY BE BROUGHT TO FINAL GRADE, SEEDED, AND STABILIZED UPON COMPLETION OF THE GRADING WORK.
- UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

FILE NAME = P:\CBBEL WEST Projects\2008\N23140 FoxRivTr-PhII\Civil\Ugpr\sh\A\ER0010.dgn

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116 West Main Street, Suite 201
St. Charles, Illinois 60174
(830) 443-7755

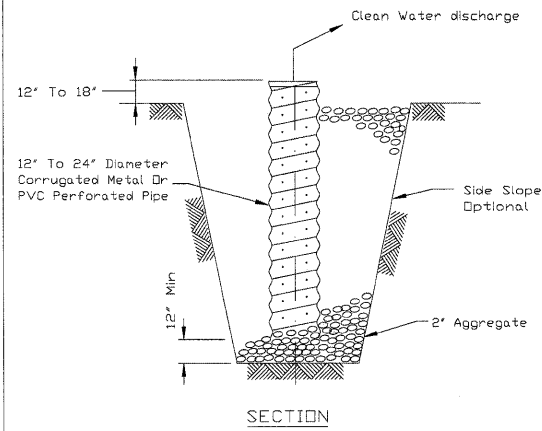
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	DATE - 12/20/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL & SEDIMENT DETAILS & SPECIFICATIONS	
SCALE: N/A	SHEET NO. 20 OF 58 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	20
CONTRACT NO. 63517				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

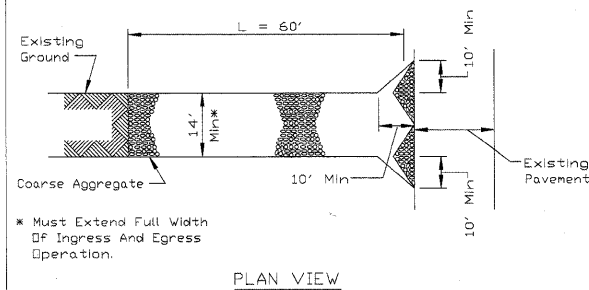
SUMP PIT PLAN



- NOTES:
- Item to be included as needed as part of 'Underwater Structure Excavation Protection - Location 1' and 'Underwater Structure Excavation - Location 2.'
 - The standpipe will be constructed by perforating a 12'-24' diameter corrugated metal or PVC pipe.
 - A base of 2' aggregate 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.
 - The standpipe will extend 12' to 18' above the lip of the pit.
 - If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
 - 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.

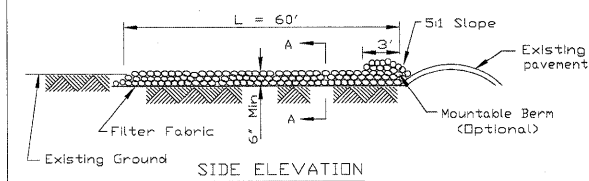
REFERENCE Project _____		STANDARD DWG. NO. IL-650
Designed _____		SHEET 1 OF 1
Checked _____		DATE 8-11-94
Approved _____		

STABILIZED CONSTRUCTION ENTRANCE PLAN



* Must Extend Full Width Of Ingress And Egress Operation.

PLAN VIEW

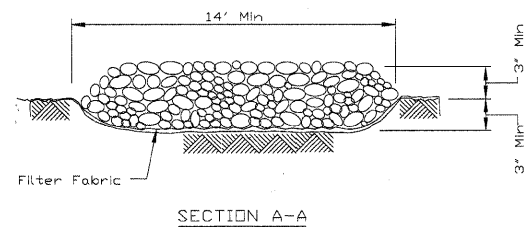


SIDE ELEVATION

- NOTES:
- Filter fabric shall meet the requirements of material specification 592 GEDTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
 - Rock or reclaimed concrete shall meet one of the following IDDT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 - Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
 - If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE Project _____		STANDARD DWG. NO. IL-630
Designed _____		SHEET 1 OF 2
Checked _____		DATE 8-18-94
Approved _____		

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A

REFERENCE Project _____		STANDARD DWG. NO. IL-630
Designed _____		SHEET 2 OF 2
Checked _____		DATE 8-18-94
Approved _____		

AUTOCAD2006

PLAN VIEW

STRAW BALE ANCHOR SECTIONS

SIGN DETAIL

NOTES:

- Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
- Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
- Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.

DESIGNED	_____	DATE	_____
CHECKED	_____	DATE	_____
APPROVED	_____	DATE	_____

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE

AUTOCAD2006

DETAIL 1

DETAIL 2

DETAIL 3

STAPLE DETAIL

PUSH PIN DETAIL

NOTES:

- Staples shall be placed in a diamond pattern at 2 per s.y. for stitched blankets. Non-stitched shall use 4 staples per s.y. of material. This equates to 200 staples with stitched blanket and 400 staples with non-stitched blanket per 100 s.y. of material.
- Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
- Erosion control material shall be placed in contact with the soil over a prepared seedbed.
- All anchor slots shall be stapled at approximately 12' intervals.

DESIGNED	_____	DATE	_____
CHECKED	_____	DATE	_____
APPROVED	_____	DATE	_____

EROSION CONTROL BLANKET INSTALLATION DETAILS

FILE NAME = P:\CIBEL - WEST Projects\2020\122946 Foxboro-FPH\1\G:\1\Ugn\Nah\ER00102.dgn

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116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

USER NAME = #USER#	DESIGNED - PV	REVISED - 10/5/10
PLOT SCALE = N/A	DRAWN - NP	REVISED -
PLOT DATE = 12/20/2010	CHECKED - PV	REVISED -
	DATE - 12/20/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL & SEDIMENT DETAILS & SPECIFICATIONS			
SCALE: N/A	SHEET NO. 21 OF 58 SHEETS	STA.	TO STA.

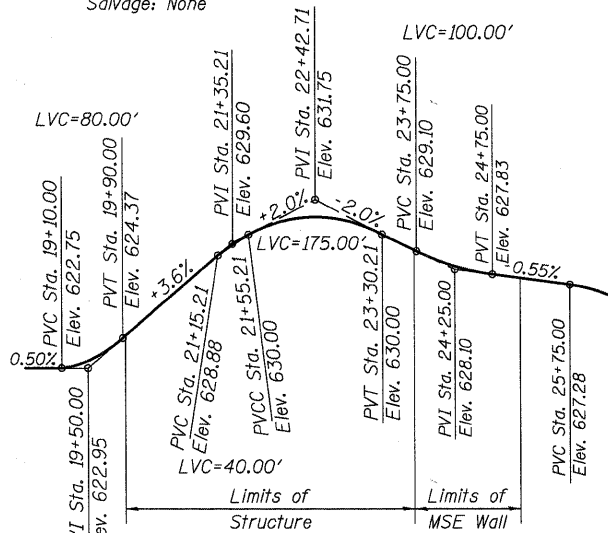
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	21
CONTRACT NO. 63517				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BENCHMARK

Chisled "L" cut on the northwest corner of the 2'-6" x 2'-6" concrete pillar on the west bank of the Fox River, approximately 6'-0" north of the existing railroad bridge. Elevation = 630.36

Existing Structure: None

Salvage: None



PROFILE GRADE
(along PGL & Q Path)

DESIGN SPECIFICATIONS

- 2002 AASHTO Standard Specifications for Highway Bridge
- 1997 AASHTO Guide Specifications for the Design of Pedestrian Bridges.

LOADING HIO & PEDESTRIAN

Vehicle: H-10 Truck (20,000 lb. Vehicle)
Pedestrian: 85 psf
MSE Wall: Minimum surcharge of 85 psf and an equivalent fluid pressure of 50 psf.

DESIGN STRESSES

FIELD UNITS:
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRE-ENGINEERED BRIDGE UNITS:
Fy = 50 ksi (Struct.) (AASHTO M270, Grade 50 W)
See GBSP "Pedestrian Truss Superstructure"

PRECAST UNITS
f'c=4,500 psi (MSE Wall Precast Panels)

SEISMIC DATA

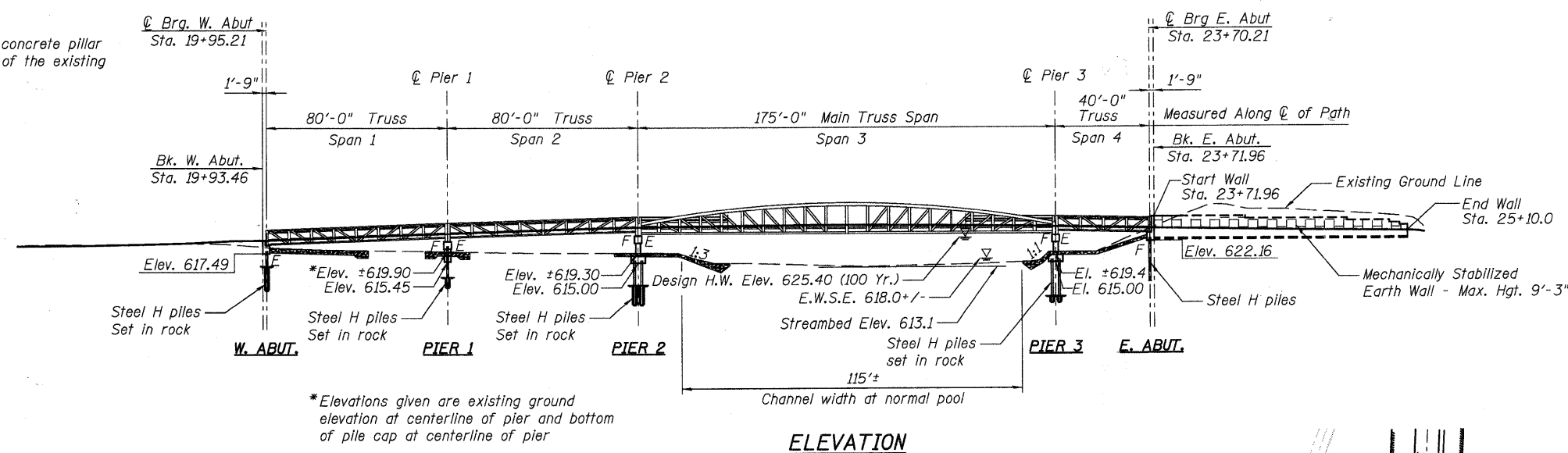
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.04g
Site Coefficient (S) = 1.0

WATERWAY INFORMATION

Drainage Area = 1,705 sq. mi. Prop. Low Grade Elev. 627.00 @ Sta. 21+55-23+30

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Head - Ft.		Headwater El.		
			Exist.	Prop.	H.W.E. Exist.	Prop.	Exist.	Prop.	
Design	100	9,750	N/A	1,920	625.26	N/A	0.10	N/A	625.36
Base	50	8,890	N/A	1,795	624.73	N/A	0.09	N/A	624.82
Max. Calc.	500	12,650	N/A	2,311	627.03	N/A	0.18	N/A	627.21

DESIGNED	-	DLS
CHECKED	-	AEU
DRAWN	-	AWH
CHECKED	-	DLS



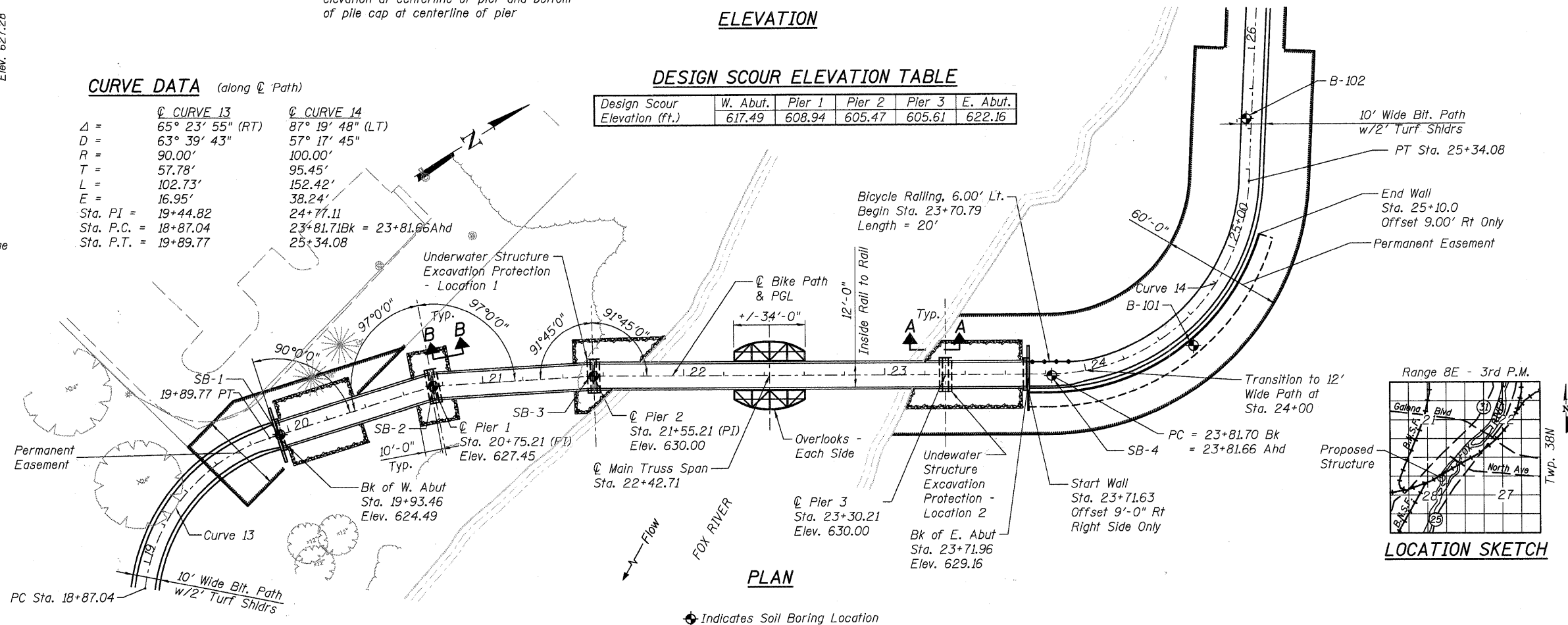
ELEVATION

CURVE DATA (along Q Path)

	Q CURVE 13	Q CURVE 14
Δ =	65° 23' 55" (RT)	87° 19' 48" (LT)
D =	63° 39' 43"	57° 17' 45"
R =	90.00'	100.00'
T =	57.78'	95.45'
L =	102.73'	152.42'
E =	16.95'	38.24'
Sta. PI =	19+44.82	24+77.11
Sta. P.C. =	18+87.04	23+81.71Bk = 23+81.66Ahd
Sta. P.T. =	19+89.77	25+34.08

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	W. Abut.	Pier 1	Pier 2	Pier 3	E. Abut.
	617.49	608.94	605.47	605.61	622.16



PLAN

I certify that to the best of my knowledge and belief, the bridge and structure 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 Standard Specifications for Highway Bridges".

David L. Smoot
David L. Smoot
Date: 12/20/2010
License Expires: 11/30/2012

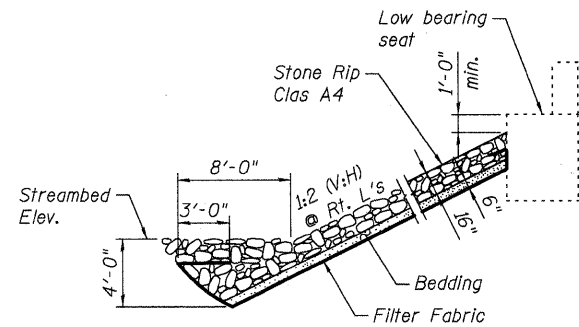


GENERAL PLAN AND ELEVATION
BICYCLE BRIDGE OVER FOX RIVER
"PUBLIC WATERS"
FOX RIVER TRAIL - SEC. 05-F3000-06-BT
KANE COUNTY
STA. 22+42.71

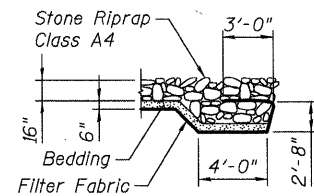
 WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174 (630) 443-7755	SHEET NO. 1 24 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			05-F3000-06-BT	KANE	58	22
		FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
				CONTRACT NO. 63517		

PLOT DATE = 12/20/2010
 FILE NAME = P:\CIBEL\EST - Projects\2009\U23148_Ford\Tr-Plan\Structural\Drawings\BikeBridge-081-DPE.dgn

TOTAL BILL OF MATERIAL



SECTION A-A
See Sheet No. 1



SECTION B-B
See Sheet No. 1

Description	Unit	Superstructure	Substructure	North Avenue Retaining Wall	Total
Stone Riprap, Class A4	Sq. Yd.	----	542	----	542
Filter Fabric	Sq. Yd.	----	542	----	542
Structure Excavation	Cu. Yd.	----	691	102	793
Concrete Structures	Cu. Yd.	----	70.2	35.7	105.9
Concrete Encasement	Cu. Yd.	----	7.8	----	7.8
Reinforcement Bars, Epoxy Coated	Pound	----	7,712	4,291	12,003
Bicycle Railing	Foot	----	20	----	20
Furnishing Steel Piles HP 12x53	Foot	----	377	----	377
Driving Piles	Foot	----	50	----	50
Test Pile Steel HP 12x53	Each	----	1	----	1
Pile Shoes	Each	----	3	----	3
Name Plate	Each	----	1	----	1
Concrete Sealer	Sq. Ft.	----	1,966	296	2,262
Geocomposite Wall Drain	Sq. Yd.	----	----	46	46
* Polymer Modified Portland Cement Mortar	Sq. Ft.	----	----	5.6	5.6
* Pedestrian Truss Superstructure	Sq. Ft.	5,280	----	----	5,280
* Porous Granular Embankment, Special	Cu. Yd.	----	----	36	36
* Underwater Structure Excavation Protection - Location 1	Each	----	1	----	1
* Underwater Structure Excavation Protection - Location 2	Each	----	1	----	1
* Underwater Structure Excavation Protection - Location 3	Each	----	----	1	1
* Steel Railing (Special)	Foot	----	----	21	21
* Silicone Joint Sealer	Foot	----	----	11.3	11.3
* Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	----	1,384	----	1,384
* Pipe Underdrain for Structures 4"	Foot	----	----	59	59
* Setting Piles in Rock	Each	----	19	----	19
* Concrete Bridge Rail (Special)	Foot	----	----	14	14

* Denotes a Special Provision

BUILT 201X BY
KANE COUNTY FOREST PRESERVE DISTRICT
& FOX VALLEY PARK DISTRICT
SEC. 05-F3000-06-BT
LOADING H10 & PEDESTRIAN

NAME PLATE
See Std. 515001

GENERAL NOTES


- The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR permit number _____.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The Contractor shall drive test piles to 110% of the nominal required bearing in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
- Structural steel shall only be painted for a distance of 10 feet each way from the deck joints. All structural steel shall be cleaned as specified in the Special Provision "Surface Preparation and Painting Requirements for Weathering Steel."
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60 (IL Modified). See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- Concrete Sealer shall be applied to all the exposed areas of the abutments, piers and MSE wall.

INDEX OF SHEETS

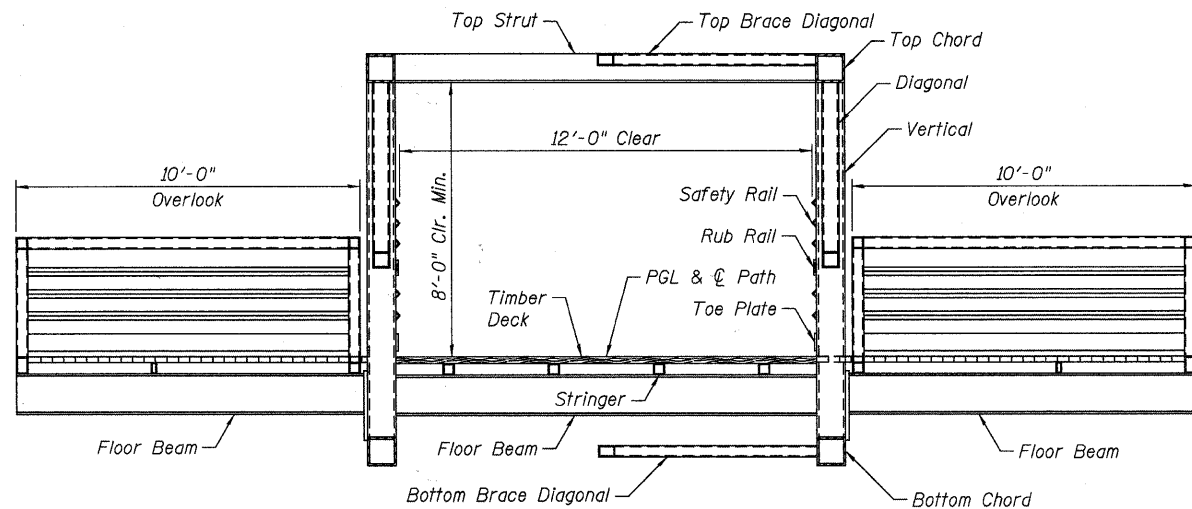
- S-01 GENERAL PLAN AND ELEVATION
- S-02 GENERAL NOTES, INDEX OF SHEETS AND BILL OF MATERIAL
- S-03 BRIDGE SECTIONS AND DETAILS
- S-04 OVERLOOK DETAILS
- S-05 FOUNDATION LAYOUT PLAN
- S-06 WEST ABUTMENT
- S-07 EAST ABUTMENT
- S-08 PIER 1
- S-09 PIERS 2 & 3
- S-10 MSE WALL
- S-11 NORTH AVENUE RETAINING WALLS
- S-12 RETAINING WALL DETAILS I
- S-13 RETAINING WALL DETAILS II
- S-14 RETAINING WALL DETAILS III
- S-15 RETAINING WALL DETAILS IV
- S-16 HP PILE DETAILS
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- S-19 SOIL BORING LOG I
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- S-23 SOIL BORING LOG V
- S-24 SOIL BORING LOG VI

**GENERAL NOTES, INDEX OF SHEETS
and TOTAL BILL OF MATERIAL
BICYCLE BRIDGE OVER FOX RIVER**

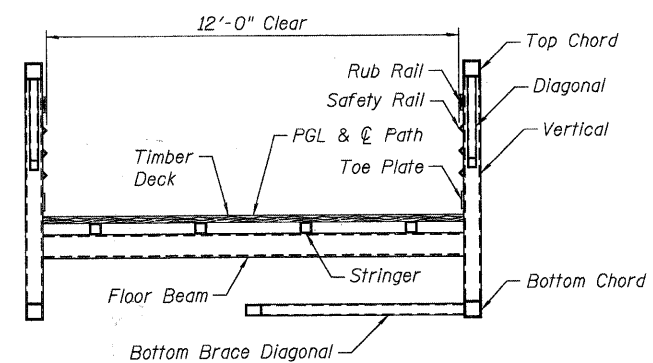
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		CONTRACT NO. 63517				
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 12/28/2019
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**BRIDGE SECTION
MAIN SPAN**



**BRIDGE SECTION
APPROACH SPANS**

Bridge section details and reaction table loads are for reference only. Pedestrian truss superstructure manufacturer is responsible for design and loads to the substructure.

The substructure is designed per AASHTO and based on the assumed truss loads shown in the tables. If the manufacturer's design exceeds those loads and/or the substructure needs to be adjusted to accommodate the truss superstructure chosen, then the Contractor shall submit the redesign to the Engineer for approval prior to ordering any material or starting construction. All design calculations, shop drawings and redesigned substructure drawings shall be sealed by a Structural Engineer licensed in the State of Illinois and shall be the responsibility of the Contractor.

**BRIDGE REACTION TABLE
175-FOOT SPAN OVER MAIN CHANNEL**

Load Type	P (Lbs.)	H (Lbs.)	L (Lbs.)
Dead Load	33,750	----	----
Uniform Live Load	49,625	----	----
Vehicle Load	10,500	----	----
Wind Uplift (20 psf)	-17,938	----	----
Wind	±10,769	29,094	----
Thermal	-----	-----	5,063

Table References:
P - Vertical load at each base plate (4 per Bridge)
H - Horizontal load at each footing (2 per Bridge)
L - Longitudinal load at each footing (4 per Bridge)
Positive - Downward load; Negative - Upward load

**BRIDGE REACTION TABLE
APPROACH SPANS**

Load Type	P (Lbs.)	H (Lbs.)	L (Lbs.)
Dead Load	10,750	----	----
Uniform Live Load	20,400	----	----
Vehicle Load	10,500	----	----
Wind Uplift (20 psf)	-7,800	----	----
Wind	±2,016	8,400	----
Thermal	-----	-----	1,613

Table References:
P - Vertical load at each base plate (4 per Bridge)
H - Horizontal load at each footing (2 per Bridge)
L - Longitudinal load at each footing (4 per Bridge)
Positive - Downward load; Negative - Upward load

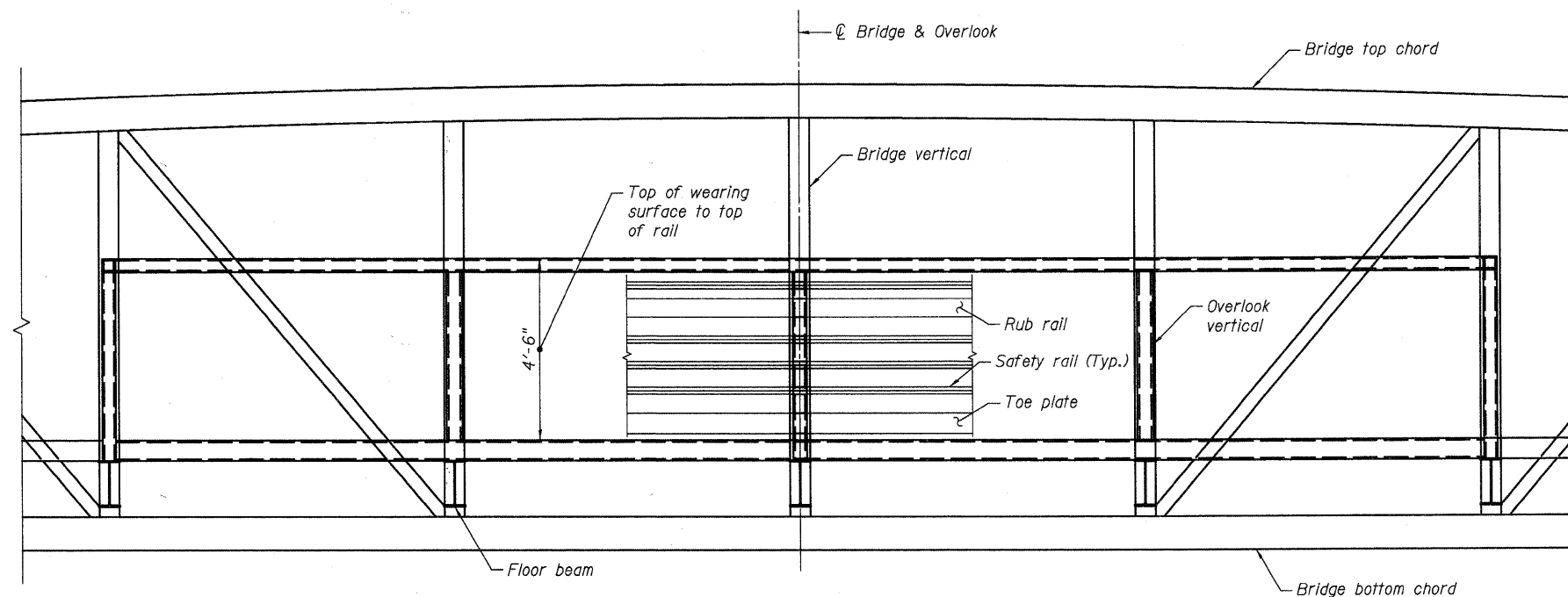
**BRIDGE SECTIONS AND DETAILS
BICYCLE BRIDGE OVER FOX RIVER**

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CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

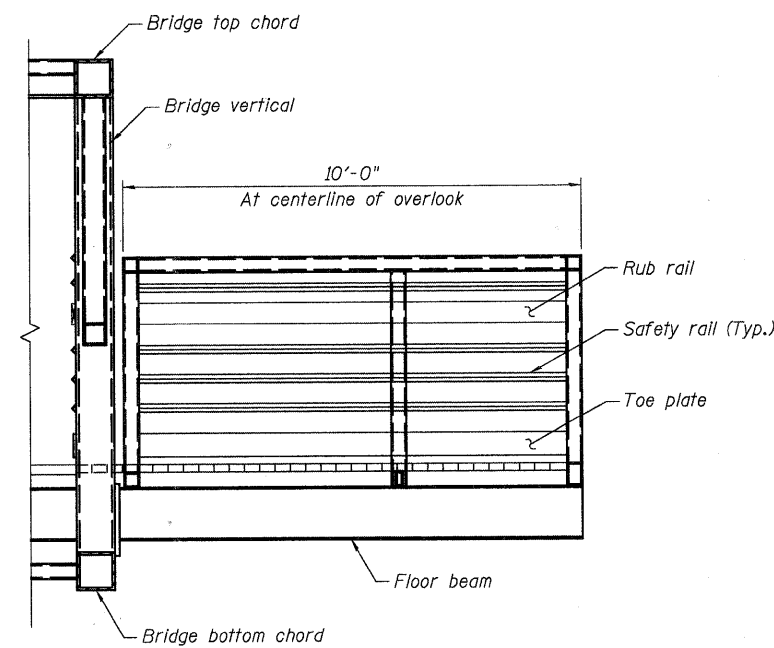
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SHEET NO. 3 24 SHEETS	F.A.U RTE.	SECTION 05-F3000-06-BT	COUNTY KANE	TOTAL SHEETS 58	SHEET NO. 24
	CONTRACT NO. 63517				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

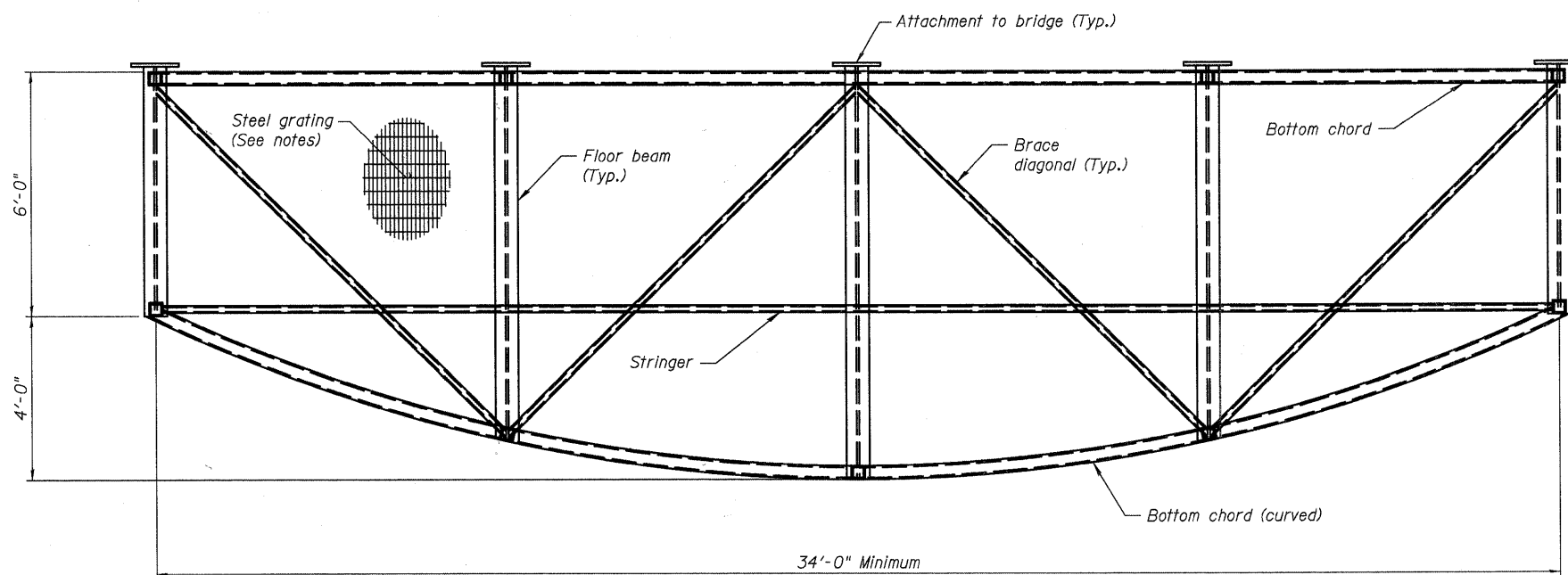
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OVERLOOK EXTERIOR ELEVATION



OVERLOOK SIDE ELEVATION




OVERLOOK PLAN

NOTES

1. Geometry and design shall conform to the Special Provision "Pedestrian Truss Superstructure" and applicable AASHTO design guidelines.
2. Overlooks shall be provided on both sides of the bridge at the centerline of the span.
3. Structural member types shown in these details are for representational purposes only. The design of the overlooks shall be the responsibility of the pedestrian truss superstructure manufacturer. The out-to-out plan dimensions shall be adhered to.
4. In plan, the overlook width shall be a minimum of 34'-0". At the centerline of the overlook, the depth shall be 10'-0" out to out. At the short outside edges, the depth shall be 6'-0" out to out. As shown in the plan, the long outside edge of the overlook shall be curved from 6'-0" to 10'-0" at the centerline.
5. Overlook decking shall be serrated weathering steel 19-W-4 grating with 2" x 3/16" bearing bars at 13/16" on center and twisted cross frame bars at 4" on center.

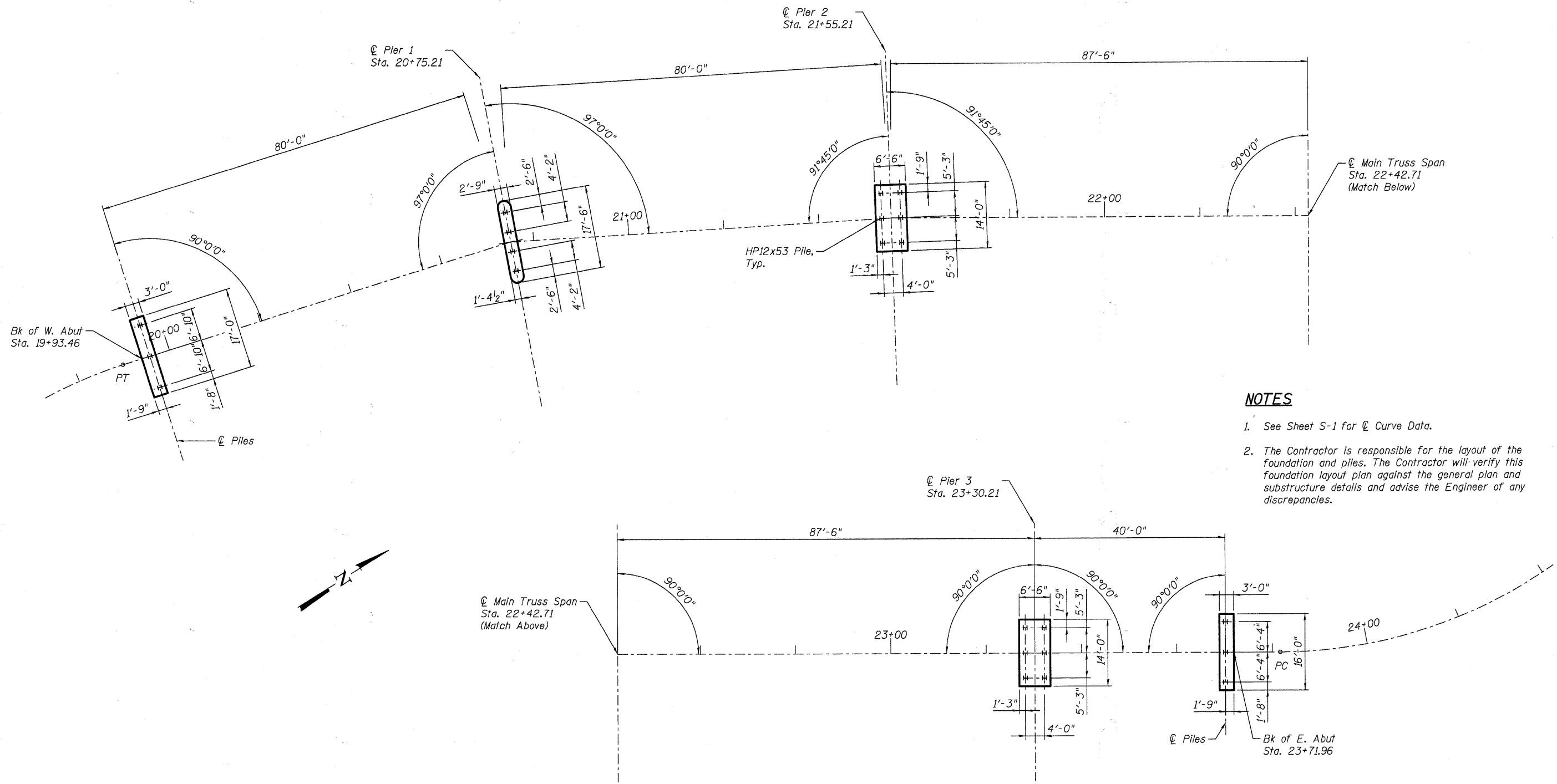
**OVERLOOK DETAILS
BICYCLE BRIDGE OVER FOX RIVER**

DESIGNED -	DLS
CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

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		CONTRACT NO. 63517				
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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PLOT DATE = 12/20/2018
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NOTES

1. See Sheet S-1 for ϕ Curve Data.
2. The Contractor is responsible for the layout of the foundation and piles. The Contractor will verify this foundation layout plan against the general plan and substructure details and advise the Engineer of any discrepancies.

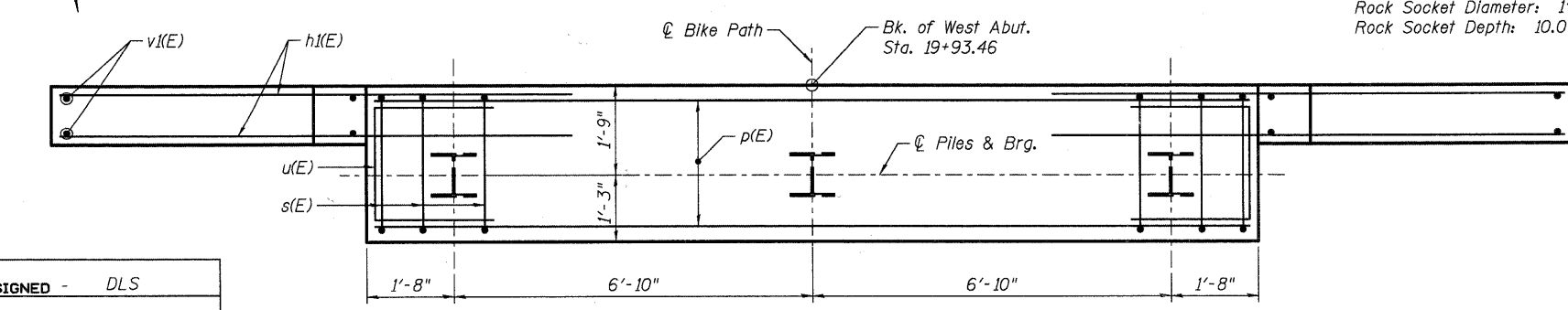
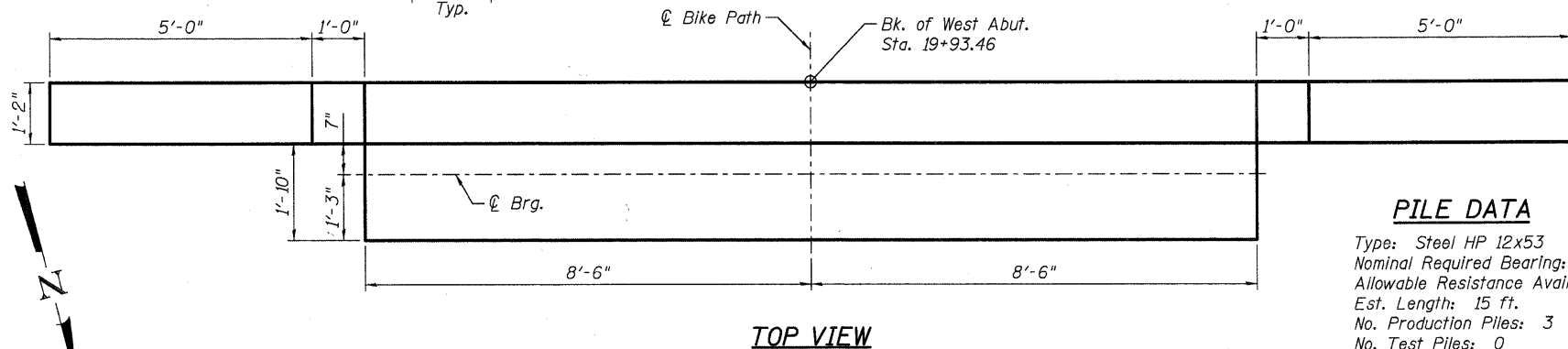
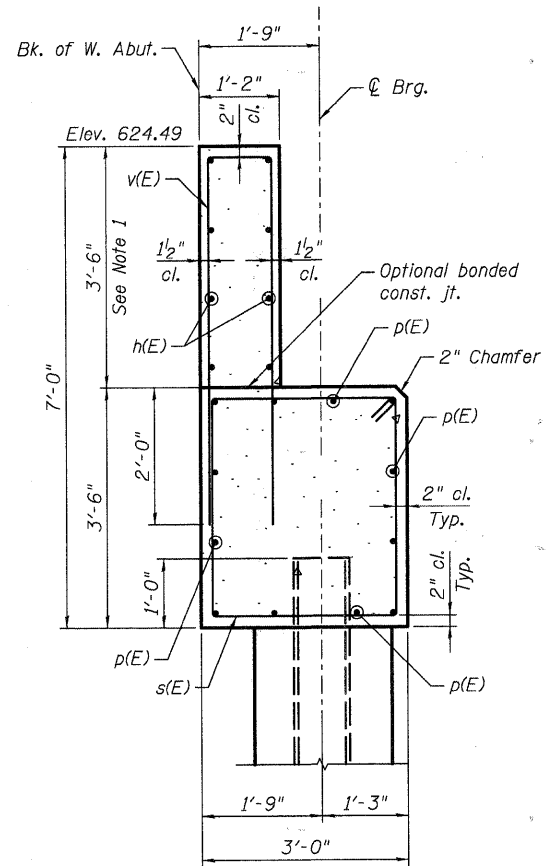
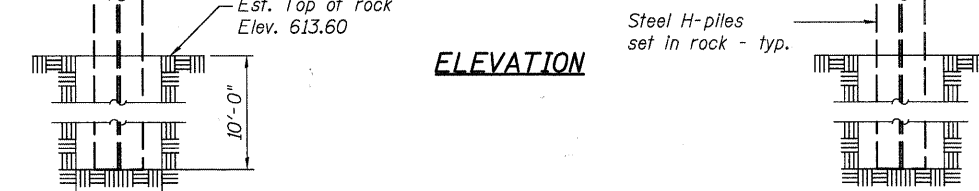
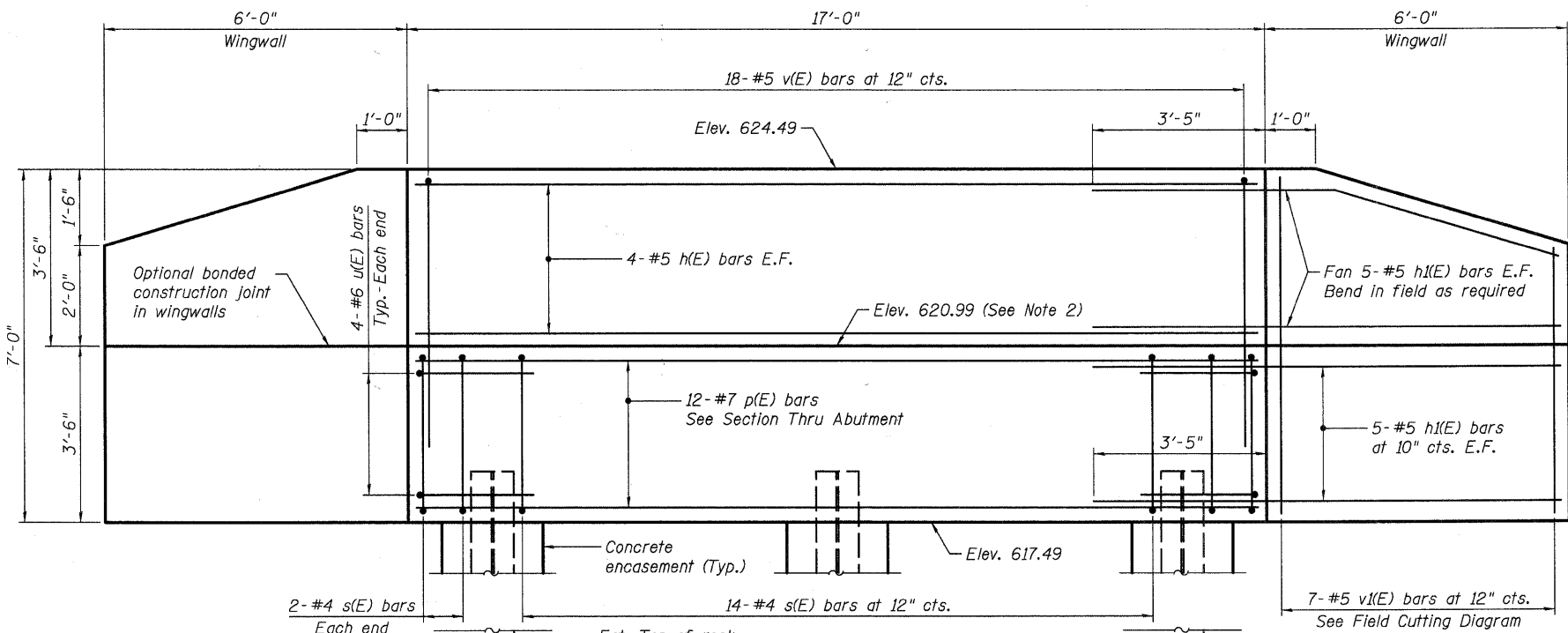
**FOUNDATION LAYOUT
BICYCLE BRIDGE OVER FOX RIVER**

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CHECKED	-	AEU
DRAWN	-	AWH
CHECKED	-	DLS

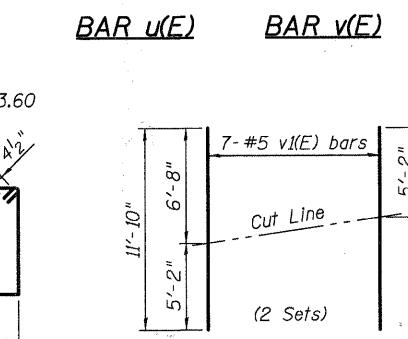
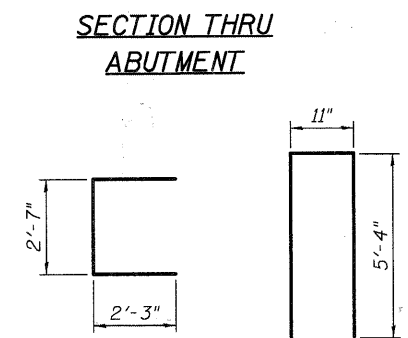
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SHEET NO. 5
 24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	26
CONTRACT NO. 63517				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PILE DATA
 Type: Steel HP 12x53
 Nominal Required Bearing: Set in Rock
 Allowable Resistance Available: 140 kips
 Est. Length: 15 ft.
 No. Production Piles: 3
 No. Test Piles: 0
 Estimated Top of Rock Elevation: Elev. 613.60
 Rock Socket Diameter: 1'-6"
 Rock Socket Depth: 10.0 ft.



FIELD CUTTING DIAGRAM
 Order v(E) bars full length. Cut as shown and use remainder of bars in opposite face.

**WEST ABUTMENT
 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	8	#5	16'-8"	—
h(E)	40	#5	9'-3"	—
p(E)	12	#7	16'-8"	—
s(E)	18	#4	12'-5"	□
u(E)	8	#6	7'-1"	U
v(E)	18	#5	11'-7"	—
v(E)	14	#5	11'-10"	—
Structure Excavation		Cu. Yd.	35	
Concrete Structures		Cu. Yd.	12.5	
Concrete Encasement		Cu. Yd.	1.1	
Reinforcement Bars, Epoxy Coated		Pound	1,560	
Furnishing Steel Piles, HP 12x53		Foot	45	
Setting Piles in Rock		Each	3	
Concrete Sealer		Sq. Ft.	188	

NOTES

- Height of abutment backwall is dependent on Pedestrian Truss Superstructure geometry. Backwall height shall be adjusted accordingly with approval of the Engineer. The abutment backwall elevation shall not be adjusted.
- The abutment seat elevation(s) shall be coordinated with the Contractor and the requirements of the Pedestrian Truss Superstructure with approval from the Engineer.
- All bearing assemblies are to be supplied by the Pedestrian Truss Superstructure fabricator. All bearing assemblies shall conform to IDOT standards and shall meet material certification requirements.
- Anchor bolt size and spacing shall be as required by the Pedestrian Truss Superstructure fabricator. The cost of furnishing and placing anchor bolts shall be considered included in the cost of Concrete Structures.
- Concrete Sealer shall be applied to exposed concrete surfaces.
- E.F. refers to Each Face
- For details of piles and Concrete Encasement, see Sheet 16.

**WEST ABUTMENT
 BICYCLE BRIDGE OVER FOX RIVER**

DESIGNED	-	DLS
CHECKED	-	AEU
DRAWN	-	AWH
CHECKED	-	DLS

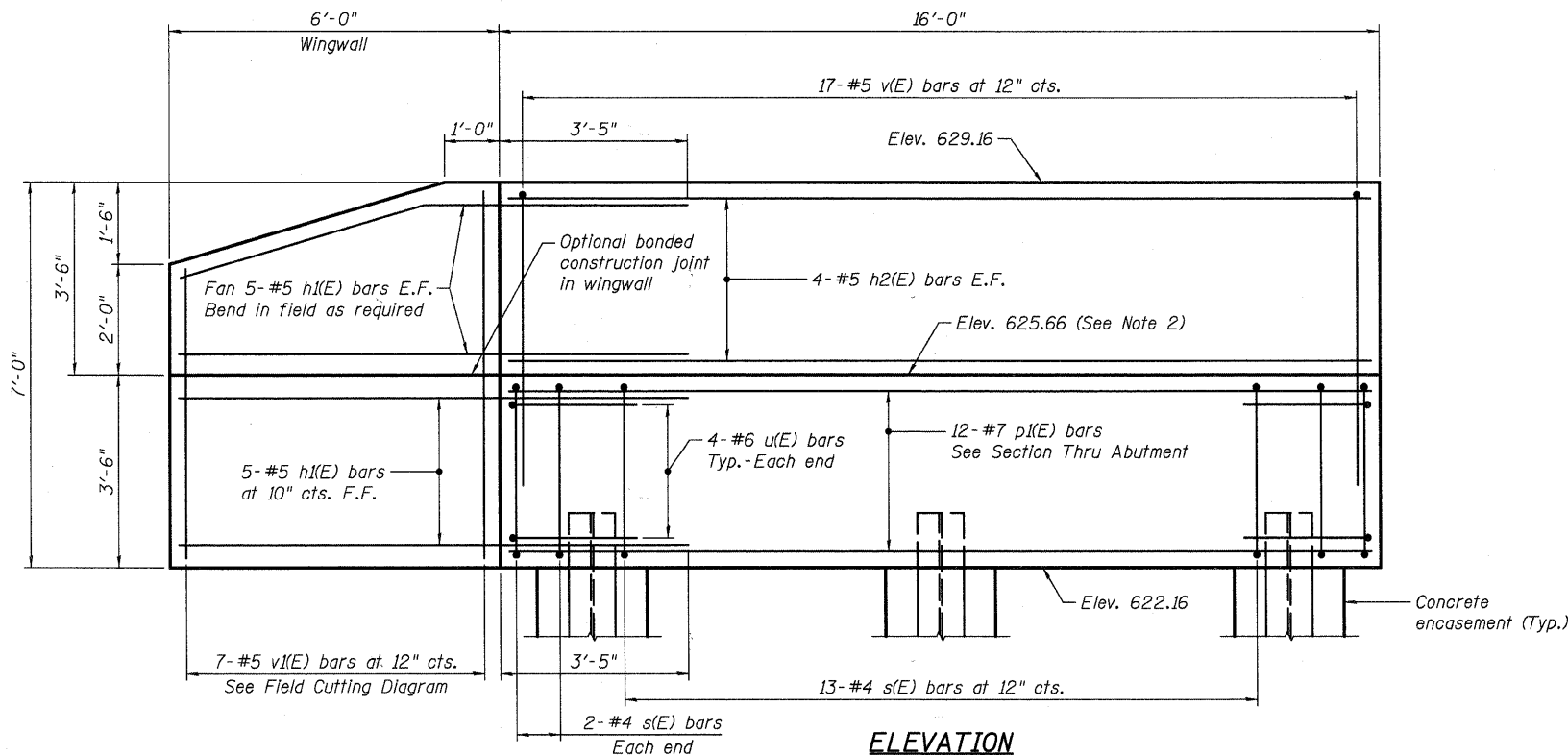
PLAN - PILE CAP

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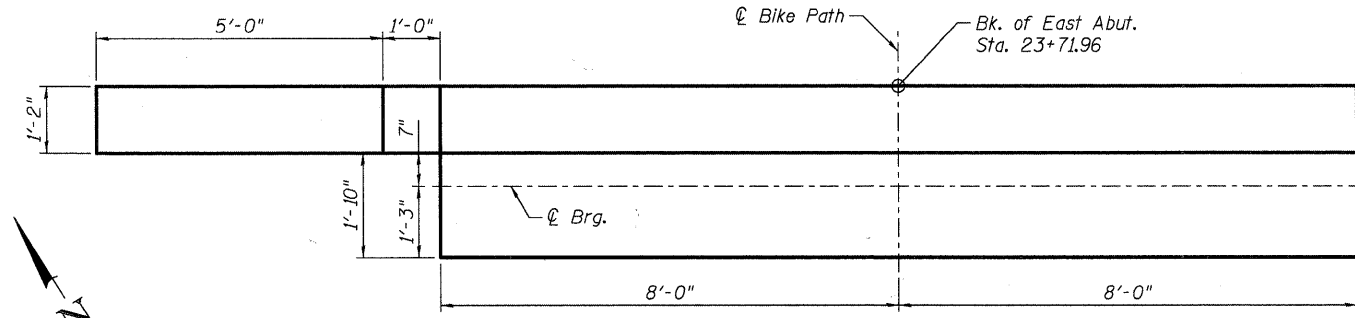
SHEET NO. 6
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F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63517				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

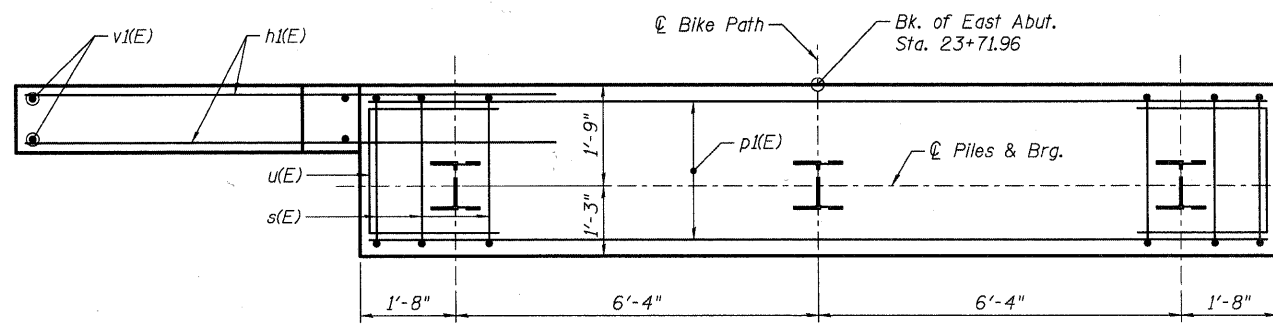
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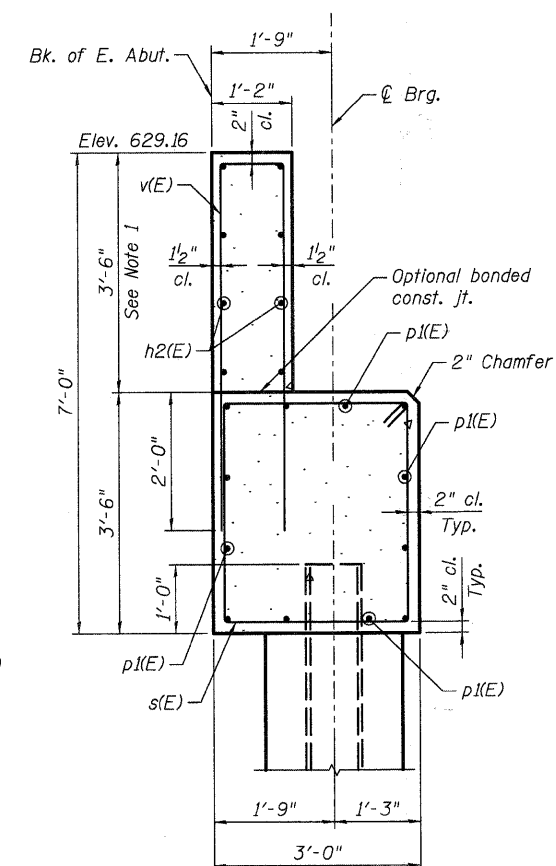
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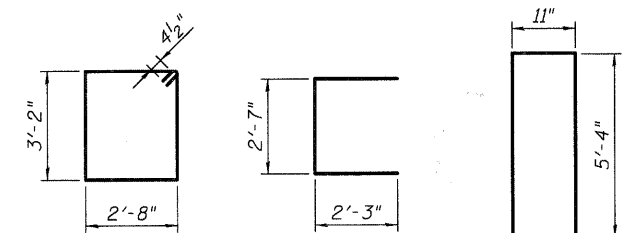
TOP VIEW



PLAN - PILE CAP



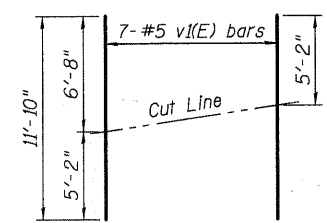
SECTION THRU ABUTMENT



BAR s(E) BAR u(E) BAR v(E)

PILE DATA

Type: Steel HP 12x53 w/pile shoes
 Nominal Required Bearing: 419 kips
 Allowable Resistance Available: 140 kips
 Est. Length: 25 ft.
 No. Production Piles: 2
 No. Test Piles: 1



FIELD CUTTING DIAGRAM

Order v1(E) bars full length. Cut as shown and use remainder of bars in opposite face.

**EAST ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h1(E)	20	#5	9'-3"	—
h2(E)	8	#5	15'-8"	—
p1(E)	12	#7	15'-8"	—
s(E)	17	#4	12'-5"	□
u(E)	8	#6	7'-1"	□
v(E)	17	#5	11'-7"	—
v1(E)	7	#5	11'-10"	—
Structure Excavation		Cu. Yd.	51	
Concrete Structures		Cu. Yd.	10.3	
Concrete Encasement		Cu. Yd.	1.1	
Reinforcement Bars, Epoxy Coated		Pound	1,226	
Furnishing Steel Piles, HP 12x53		Foot	50	
Driving Piles		Foot	50	
Test Pile Steel, HP 12x53		Each	1	
Pile Shoes		Each	3	
Concrete Sealer		Sq. Ft.	147	

NOTES

- Height of abutment backwall is dependent on Pedestrian Truss Superstructure geometry. Backwall height shall be adjusted accordingly with approval of the Engineer. The abutment backwall elevation shall not be adjusted.
- The abutment seat elevation(s) shall be coordinated with the Contractor and the requirements of the Pedestrian Truss Superstructure with approval from the Engineer.
- All bearing assemblies are to be supplied by the Pedestrian Truss Superstructure fabricator. All bearing assemblies shall conform to IDOT standards and shall meet material certification requirements.
- Anchor bolt size and spacing shall be as required by the Pedestrian Truss Superstructure fabricator. The cost of furnishing and placing anchor bolts shall be considered included in the cost of Concrete Structures.
- Concrete Sealer shall be applied to exposed concrete surfaces.
- E.F. refers to Each Face
- For details of piles and Concrete Encasement, see Sheet 16.

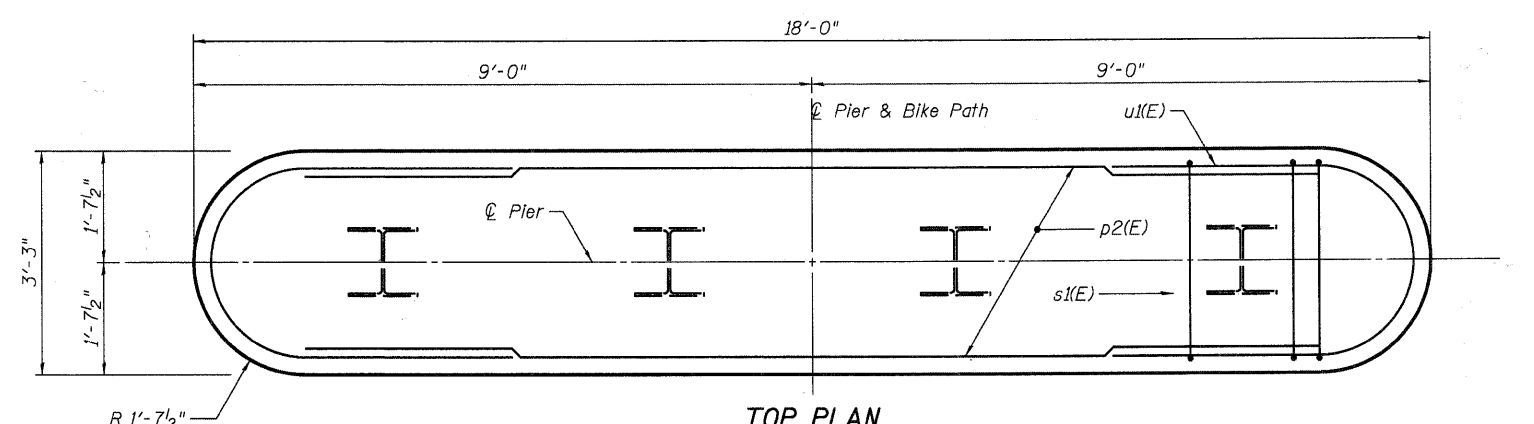
**EAST ABUTMENT
BICYCLE BRIDGE OVER FOX RIVER**

DESIGNED -	DLS
CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174 (630) 443-7755	SHEET NO. 7 24 SHEETS	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			05-F3000-06-BT	KANE	58	28
		CONTRACT NO. 63517				
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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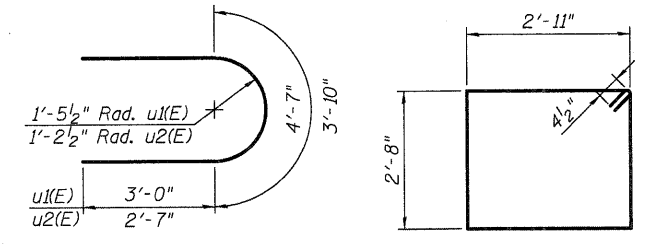
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TOP PLAN

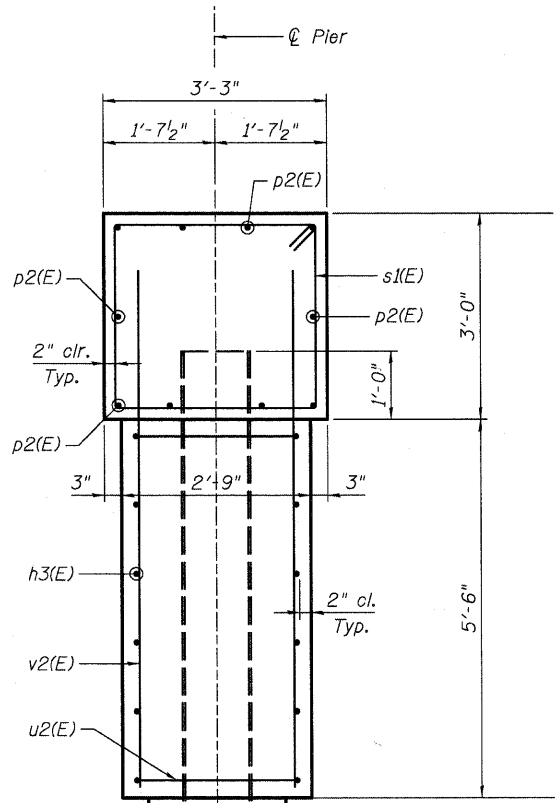
PILE DATA

Type: Steel HP 12x53
 Nominal Required Bearing: Set In Rock
 Allowable Resistance Available: 140 kips
 Estimated Length: 18 ft.
 No. Production Piles: 4
 No. Test Piles: 0
 Estimated Top of Rock: Elev. 609.30
 Rock Socket Depth: 5.0 ft.
 Rock Socket Diameter: 1'-6"

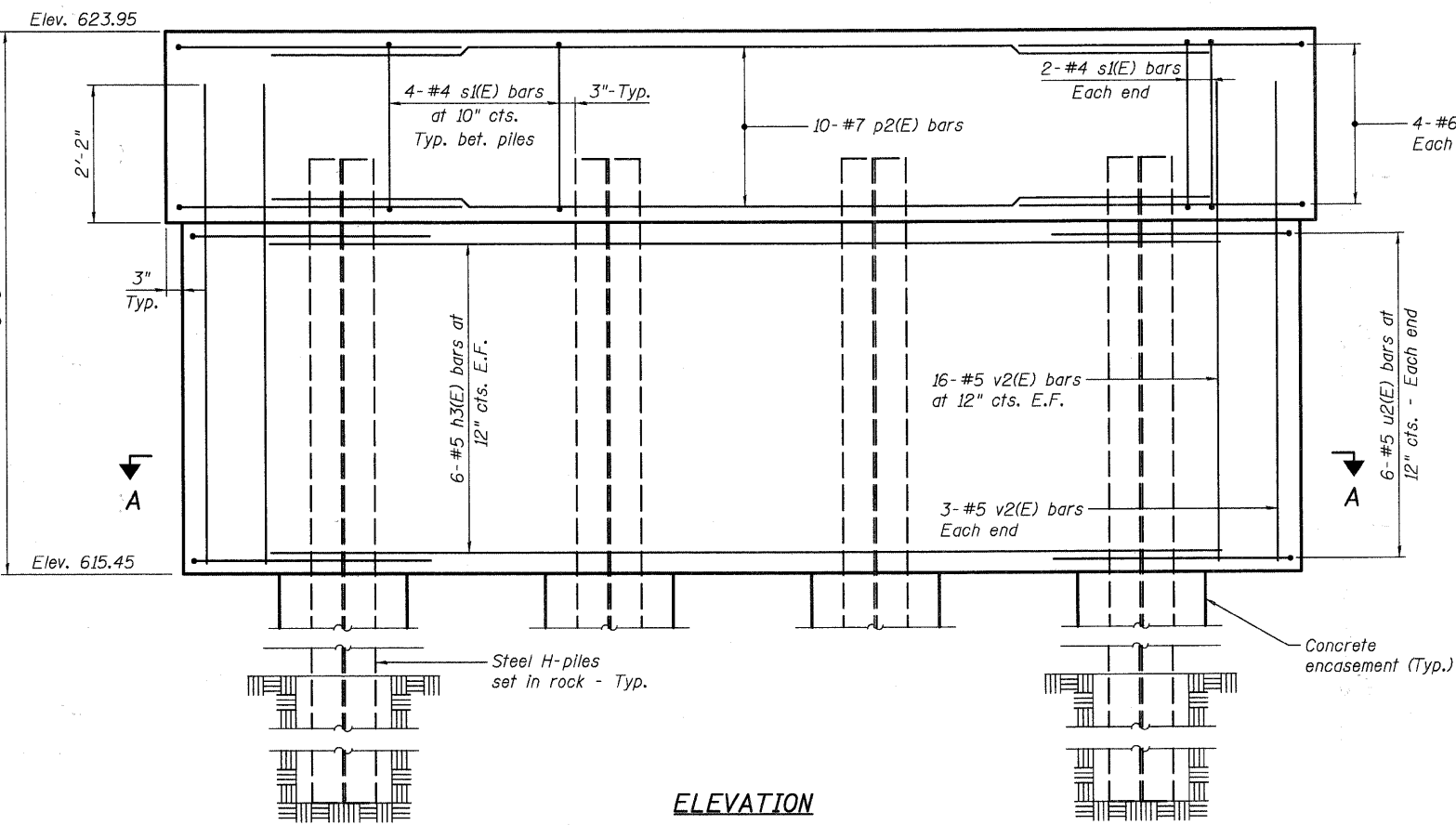


BAR u1(E) & u2(E)

BAR s1(E)



END VIEW



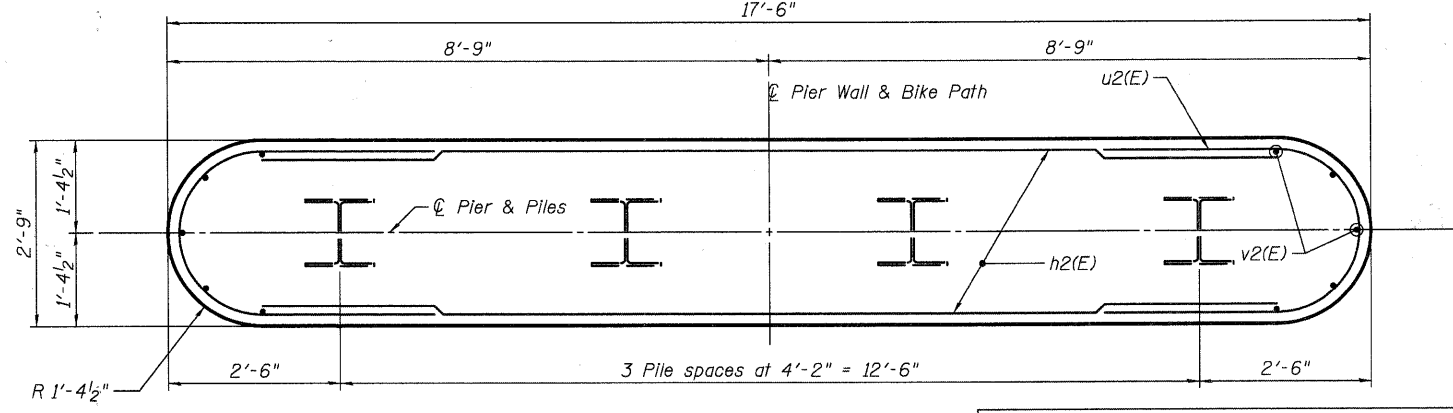
ELEVATION

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
h3(E)	12	#5	14'-9"	—	
p2(E)	10	#7	14'-9"	—	
s1(E)	16	#4	11'-11"	□	
u1(E)	8	#6	10'-7"	U	
u2(E)	12	#5	9'-0"	U	
v2(E)	38	#5	7'-6"	—	
Structure Excavation				Cu. Yd.	30
Concrete Structures				Cu. Yd.	15.7
Concrete Encasement				Cu. Yd.	1.4
Reinforcement Bars, Epoxy Coated				Pound	1,151
Furnishing Steel Piles, HP 12x53				Foot	72
Setting Piles In Rock				Each	4
Concrete Sealer				Sq. Ft.	250

NOTES

- Concrete Sealer shall be applied to all surfaces of the pier that will be exposed to weather.
- Space reinforcement in pier cap to miss anchor bolts.
- For details of piles and Concrete Encasement, see Sheet 16.
- The pier cap elevation shall be coordinated with the Contractor and the requirements of the Pedestrian Truss Superstructure with approval from the Engineer.



SECTION A-A

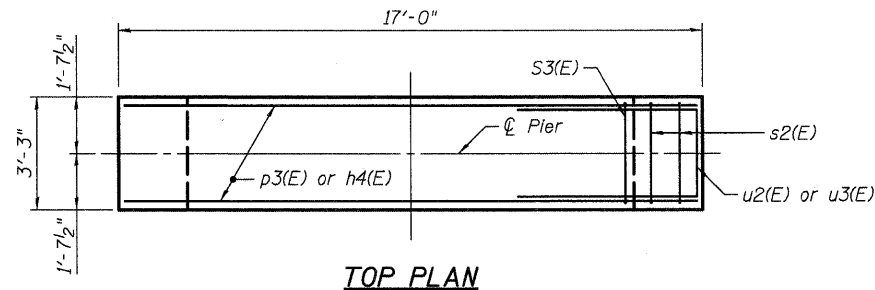
**PIER 1
BICYCLE BRIDGE OVER FOX RIVER**

DESIGNED	-	DLS
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DRAWN	-	AWH
CHECKED	-	DLS

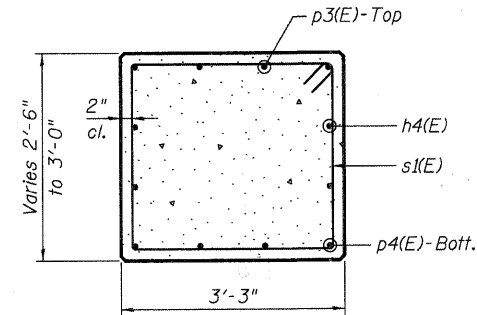
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SHEET NO. 8 24 SHEETS	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 63517					

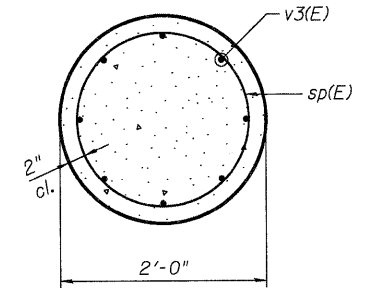
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 FILE NAME = P:\CIBEL\WEST\Projects\2009\123148\FoxRvTr-Pier3\Structural\Drawings\PIERS 2 & 3.dgn



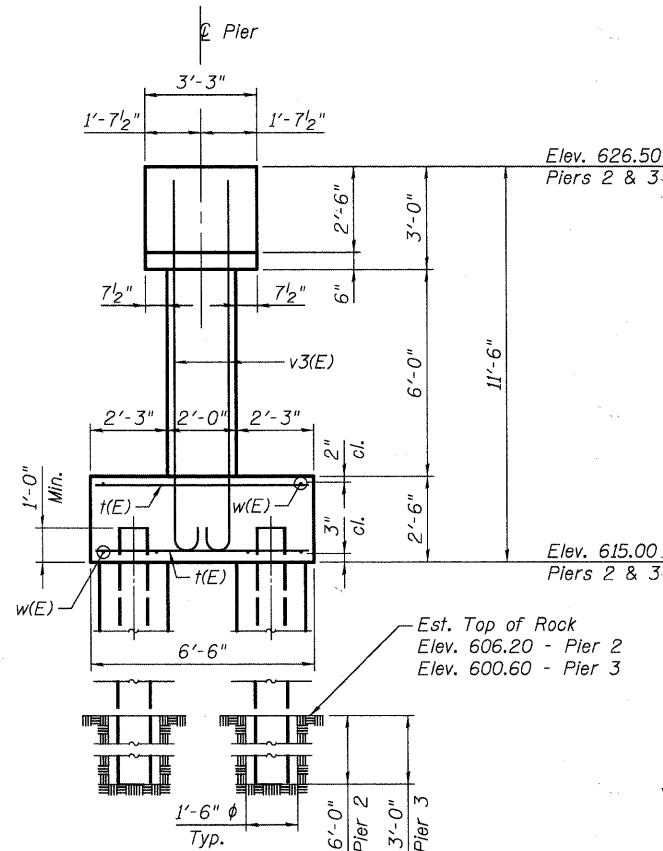
TOP PLAN



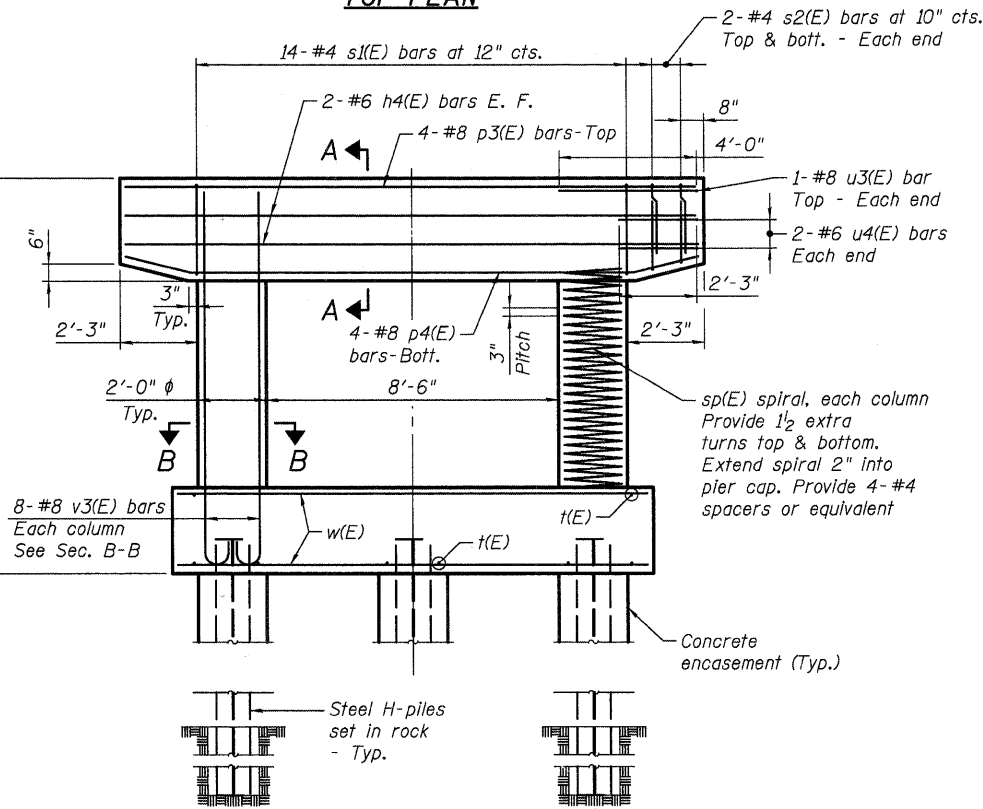
SEC. A-A



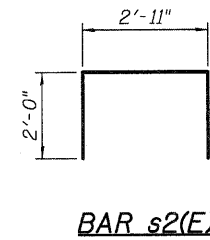
SEC. B-B



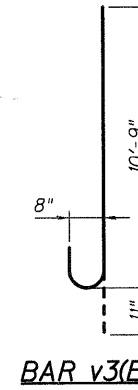
END VIEW



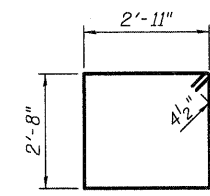
**ELEVATION
(Looking East)**



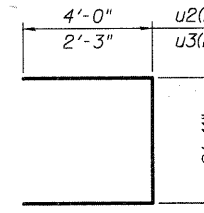
BAR s2(E)



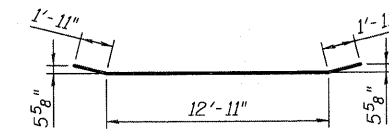
BAR v3(E)



BAR s1(E)



BARS u3(E) & u4(E)



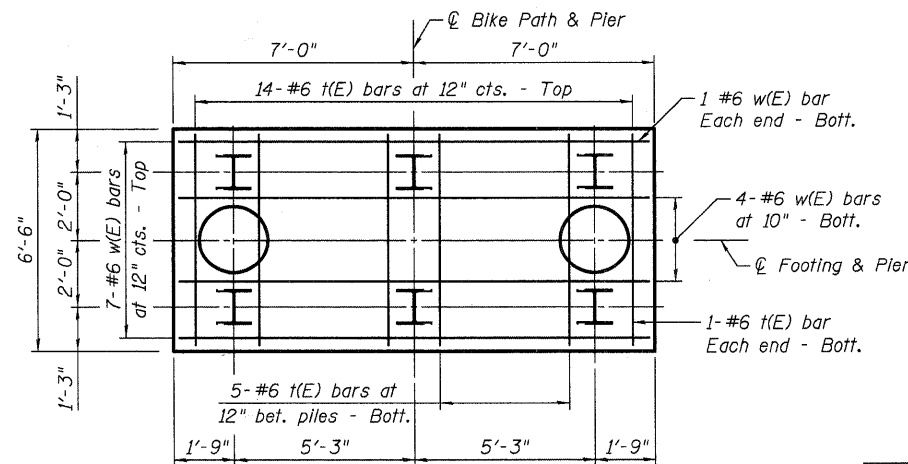
BAR p4(E)

PIER 2 PILE DATA

Type: Steel HP 12x53
 Nominal Required Bearing: Set in Rock
 Allowable Resistance Available: 140 kips
 Est. Length: 16 ft.
 No. Production Piles: 6
 No. Test Piles: 0
 Estimated Top of Rock: Elev. 606.20
 Rock Socket Depth: 6.0 ft.
 Rock Socket Diameter: 1'-6"

PIER 3 PILE DATA

Type: Steel HP 12x53
 Nominal Required Bearing: Set in Rock
 Allowable Resistance Available: 140 kips
 Est. Length: 19 ft.
 No. Production Piles: 6
 No. Test Piles: 0
 Estimated Top of Rock: Elev. 600.60
 Rock Socket Depth: 3.0 ft.
 Rock Socket Diameter: 1'-6"



FOOTING PLAN

NOTES

- Concrete Sealer shall be applied to all surfaces of the piers that will be exposed to weather.
- Space reinforcement in pier caps to miss anchor bolts.
- For details of piles and Concrete Encasement, see Sheet 16.
- The pier cap elevations shall be coordinated with the Contractor and the requirements of the Pedestrian Truss Superstructure with approval from the Engineer.

** Length is height of spiral

**PIERS 2 & 3
BILL OF MATERIAL**

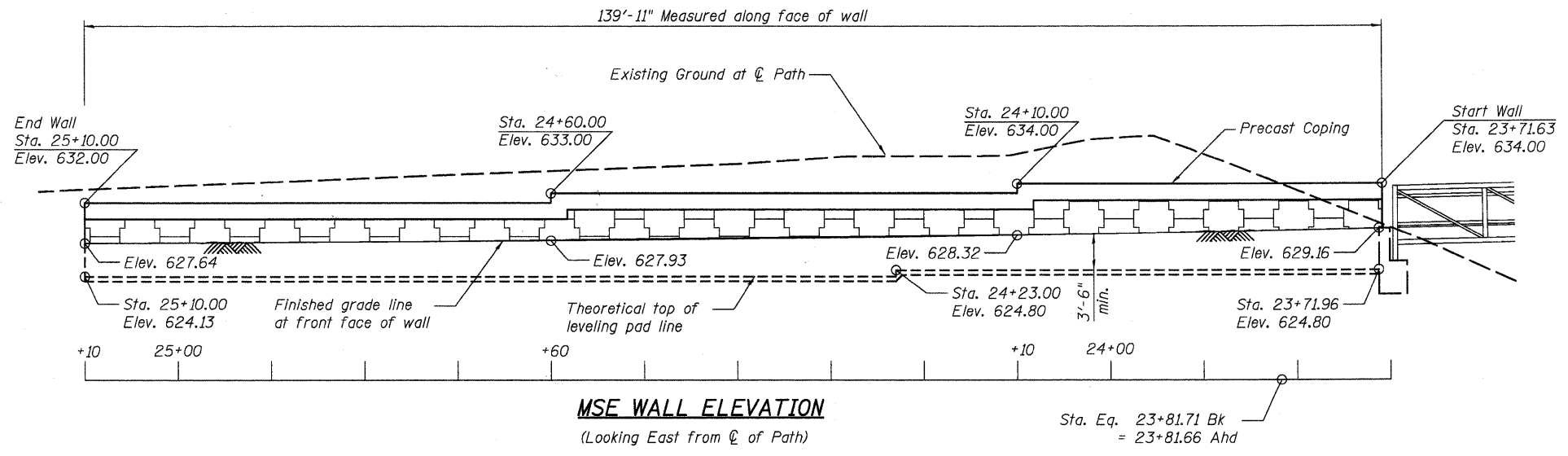
Bar	No.	Size	Length	Shape
h4(E)	8	#6	16'-8"	—
p3(E)	8	#8	16'-8"	—
p4(E)	8	#8	16'-9"	—
s1(E)	28	#4	11'-11"	□
s2(E)	16	#4	6'-11"	□
sp(E)	4	#4	6'-0"	⋈
u3(E)	4	#8	10'-11"	U
u4(E)	8	#6	7'-5"	U
v3(E)	32	#8	11'-8"	U
t(E)	52	#6	6'-2"	—
w(E)	26	#6	13'-8"	—
Structure Excavation		Cu. Yd.	61	
Concrete Structures		Cu. Yd.	31.7	
Concrete Encasement		Cu. Yd.	4.2	
Reinforcement Bars, Epoxy Coated		Pound	3,775	
Furnishing Steel Piles, HP 12x53		Foot	210	
Setting Piles in Rock		Each	12	
Underwater Structure Excavation Protection, Location 1		Each	1	
Underwater Structure Excavation Protection, Location 2		Each	1	
Concrete Sealer		Sq. Ft.	615	

**PIERS 2 & 3
BICYCLE BRIDGE OVER FOX RIVER**

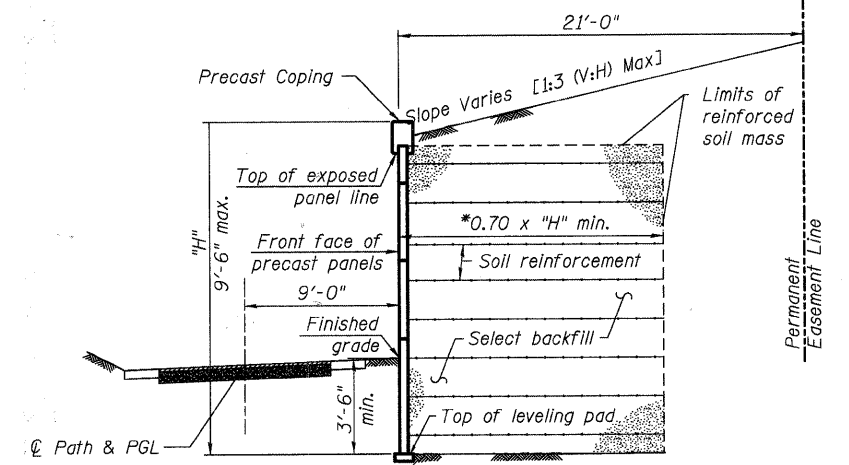
DESIGNED -	DLS
CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

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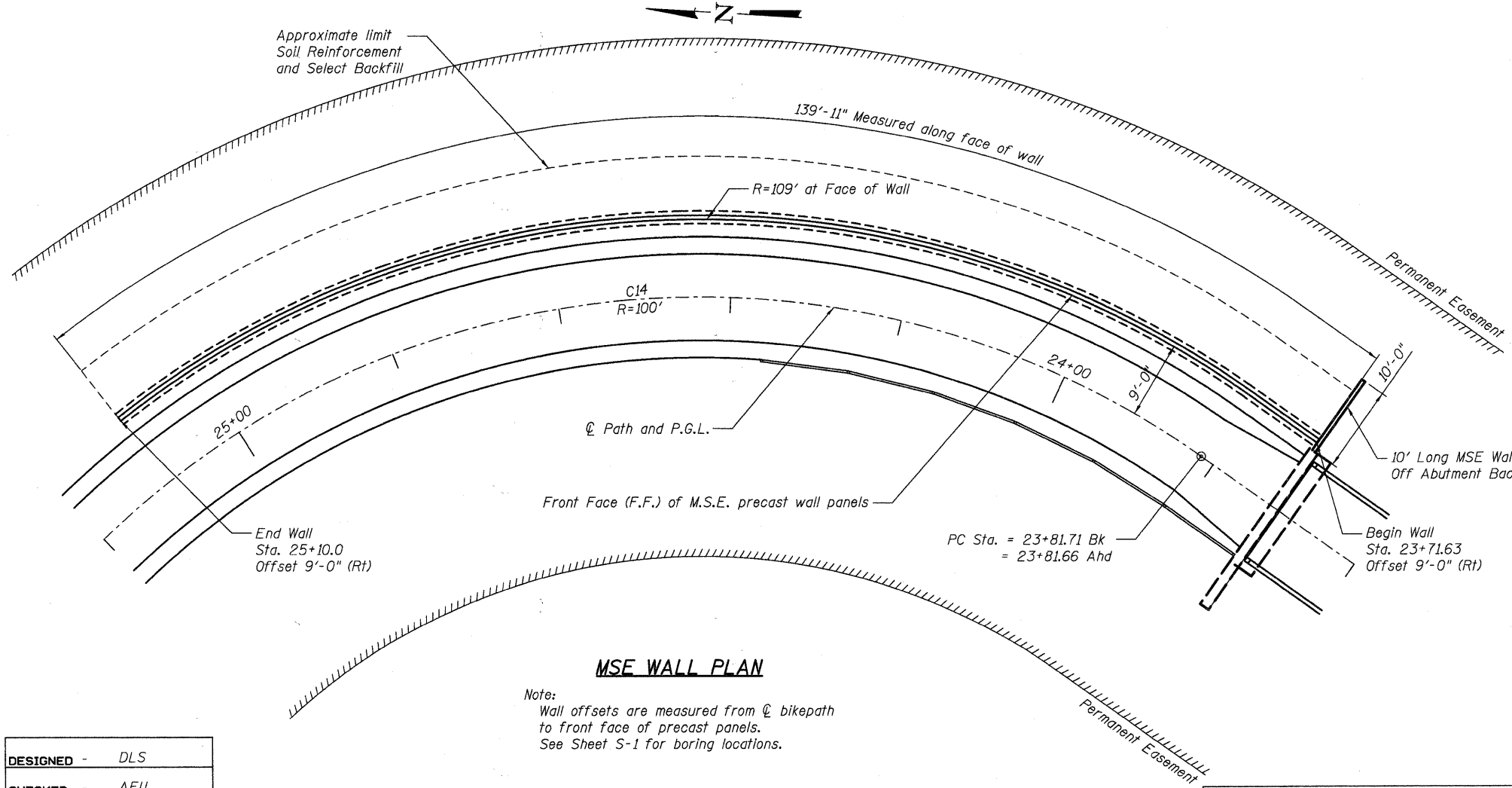
SHEET NO. 9 24 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		05-F3000-06-BT	KANE	58	30
CONTRACT NO. 63517					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



MSE WALL ELEVATION
(Looking East from centerline of Path)



SECTION THRU MSE WALL



MSE WALL PLAN

Note:
Wall offsets are measured from centerline of bikepath to front face of precast panels.
See Sheet S-1 for boring locations.

BILL OF MATERIAL

Item	Unit	Total
Mechanically Stabilized Earth Retaining Wall	Sq. Ft.	1,384
Structure Excavation	Cu. Yd.	514
Concrete Sealer	Sq. Ft.	766

NOTES

- All elevations shown are along PGL.
- The Contractor will be responsible to design and construct MSE walls according to IDOT Guide Bridge Special Provision "Mechanically Stabilized Earth Retaining Walls".

**MSE WALL
BICYCLE BRIDGE OVER FOX RIVER**

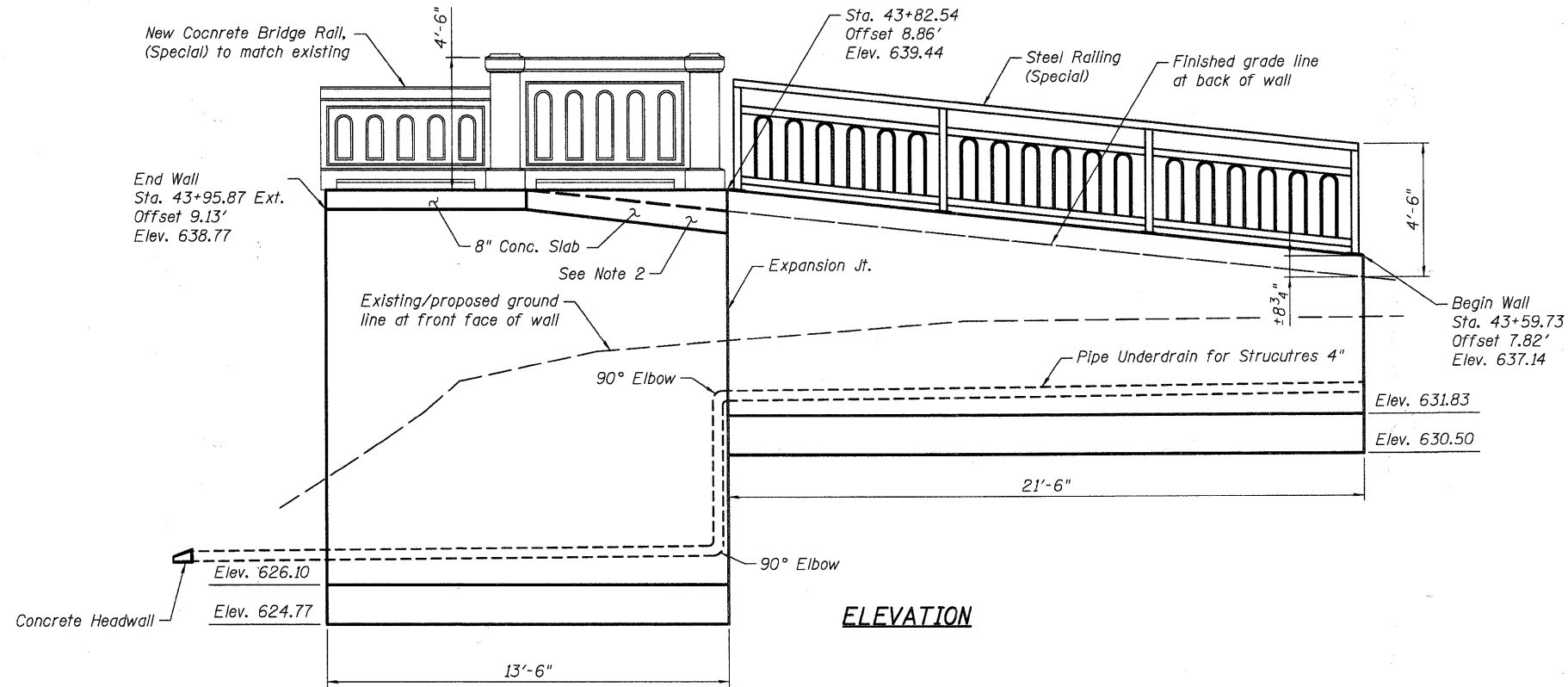
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CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

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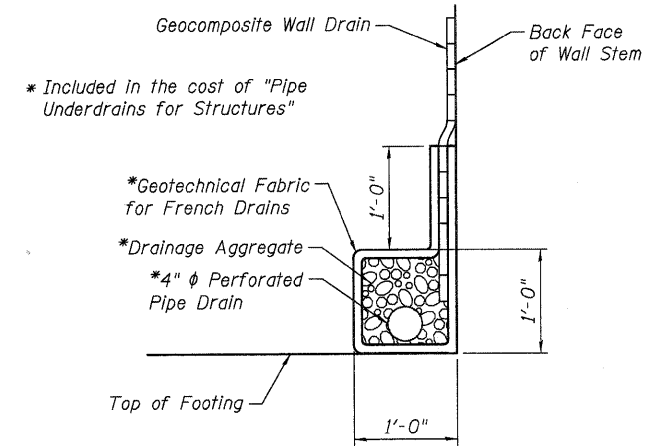
SHEET NO. 10
24 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 63517				

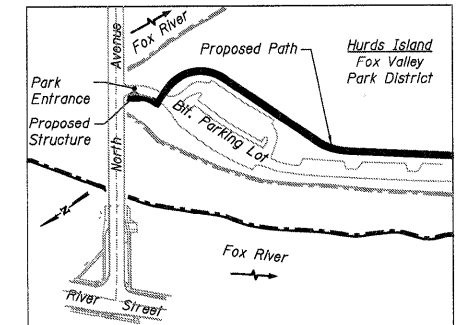
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 FILE NAME = P:\CIBEL\WEST\Projects\2009\123148\FairlyTr-Ph11\Structural\OpenV\final\Plana\BikeBrdge-01B-MSEWall.dgn



ELEVATION



PIPE UNDERDRAIN DETAIL



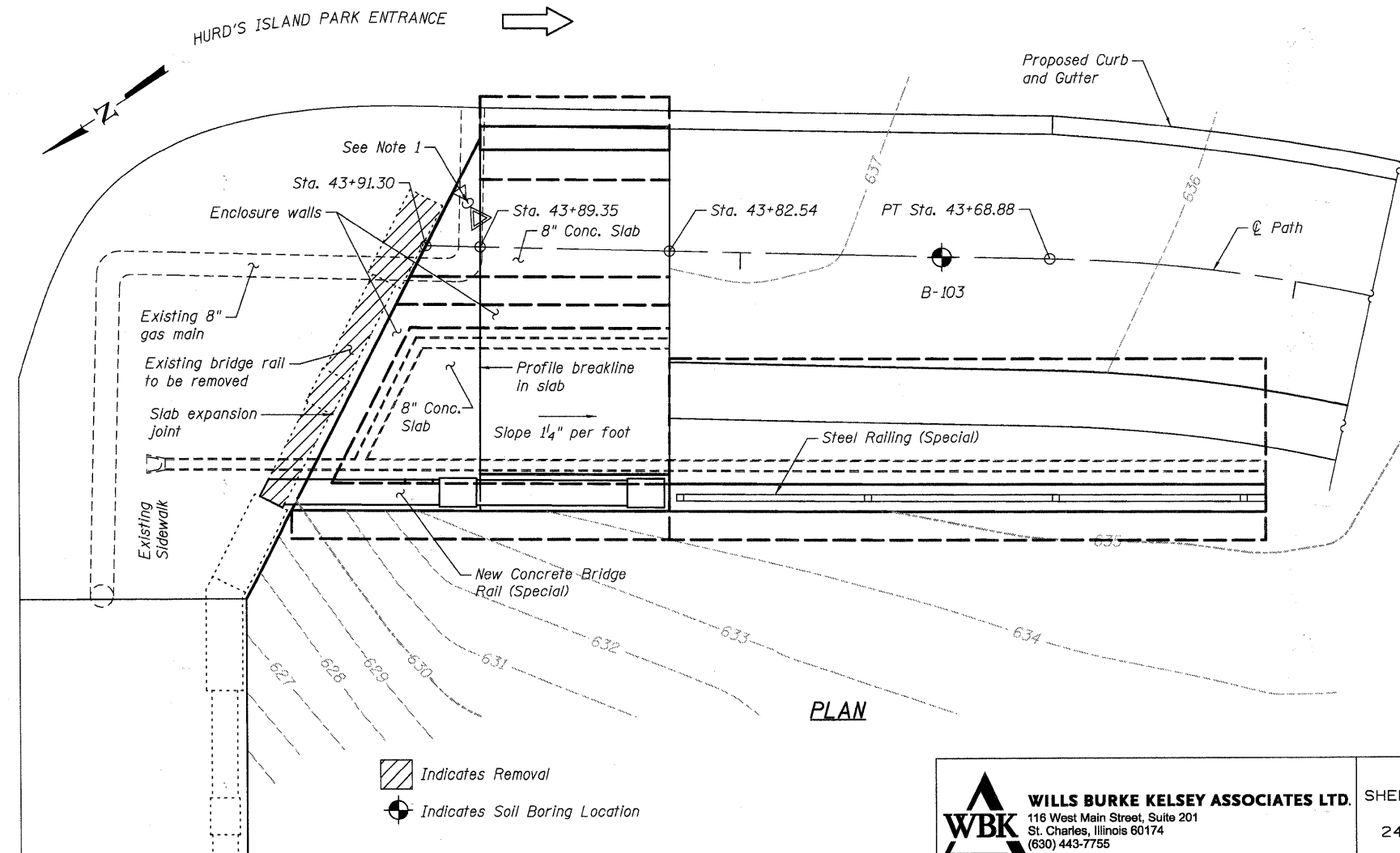
LOCATION SKETCH

NOTES

1. A Nicor Electrical Test Station will be in conflict with construction of the walls and slab. Prior to construction, the Contractor shall contact Gall Goldasch, Supervisor - Corrosion Control at 630-317-2263 to coordinate the relocation of the test station during construction.

In addition, Jeff Leihelt, Sr. Supervisor - Field Operations Construction for Nicor shall be contacted at 815-754-3140 with field inquiries during construction.

This project has been assigned Nicor Engineering #SC8489.
2. Thicken slab over retaining wall to maintain level surface for new Precast Bridge Rail (Special).
3. For slab and wall expansion joints, see Sheet No. 15.
4. For Steel Railing (Special) details, see Sheet No. 17.



PLAN

**GENERAL PLAN AND ELEVATION
NORTH AVENUE RETAINING WALLS**

DESIGNED -	DLS
CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

- Indicates Removal
- Indicates Soil Boring Location

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SHEET NO. 11
24 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63517				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

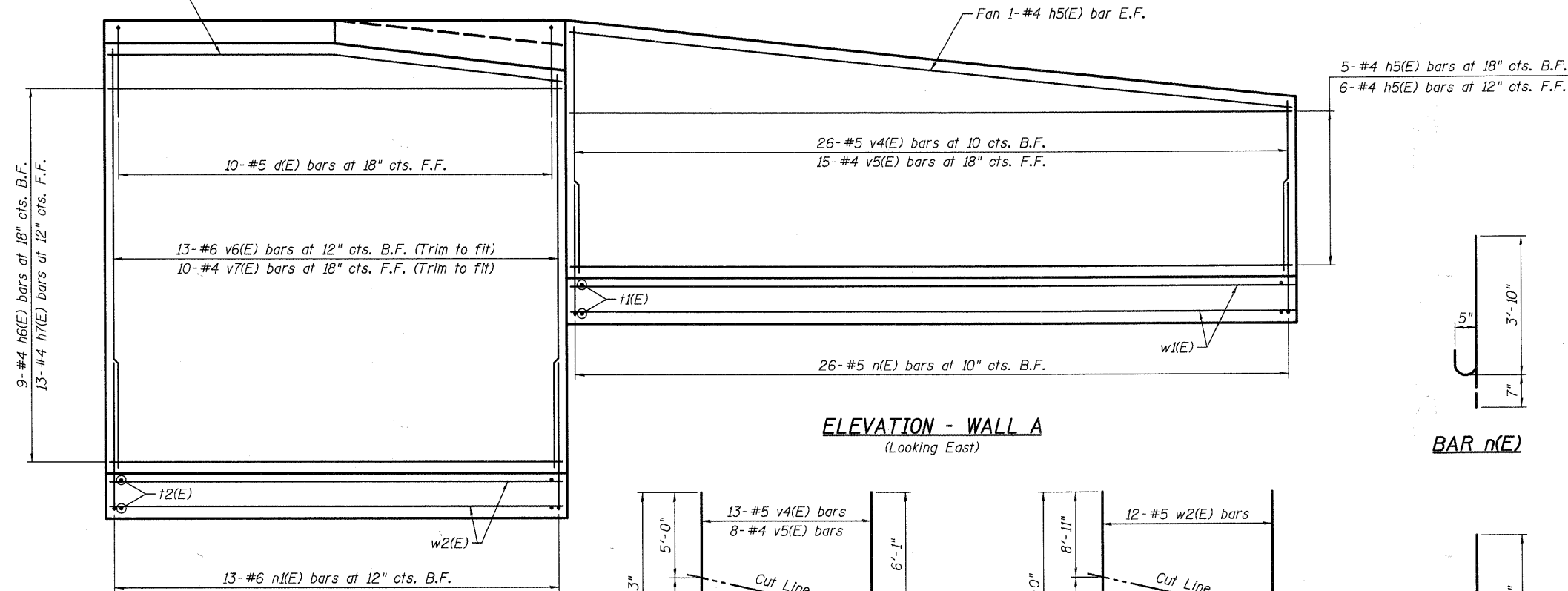
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**NORTH AVENUE RETAINING WALLS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	8	#5	13'-6"	—
a1(E)	3	#5	14'-1"	—
a2(E)	8	#5	14'-8"	—
a3(E)	3	#5	15'-3"	—
b(E)	8	#5	19'-3"	—
b1(E)	6	#5	19'-3"	—
d(E)	34	#5	4'-8"	—
d1(E)	22	#4	4'-2"	—
d2(E)	22	#4	4'-2"	—
h5(E)	13	#4	21'-2"	—
h6(E)	10	#4	12'-3"	—
h7(E)	14	#4	13'-1"	—
h8(E)	9	#4	6'-8"	—
h9(E)	13	#4	8'-0"	—
h10(E)	24	#4	9'-5"	—
h11(E)	10	#4	6'-5"	—
n(E)	53	#5	4'-5"	—
n1(E)	13	#6	5'-0"	—
t1(E)	52	#5	6'-2"	—
t2(E)	30	#5	9'-2"	—
t3(E)	8	#5	2'-8"	—
v4(E)	13	#5	12'-3"	—
v5(E)	8	#4	12'-3"	—
v6(E)	13	#6	12'-4"	—
v7(E)	16	#4	12'-4"	—
v8(E)	27	#5	12'-4"	—
v9(E)	8	#5	9'-9"	—
w1(E)	18	#5	21'-2"	—
w2(E)	12	#5	22'-0"	—
w3(E)	3	#4	6'-5"	—

Structure Excavation	Cu. Yd.	102
Concrete Structures	Cu. Yd.	35.7
Reinforcement Bars, Epoxy Coated	Pound	4,291
Steel Railing (Special)	Foot	21
Concrete Sealer	Sq. Ft.	296
Porous Granular Embankment (Special)	Cu. Yd.	36
Pipe Underdrain for Structures 4"	Foot	59
Geocomposite Wall Drain	Sq. Yd.	46
Concrete Bridge Rail (Special)	Foot	14
Underwater Structure Excavation Protection, Location 3	Each	1
Polymer Modified Portland Cement Mortar	Sq. Ft.	5.6
Silicone Joint Sealer	Foot	11.3

Bend 1- #4 h6(E) B.F.
& 1- #4 h7(E) bar F.F.



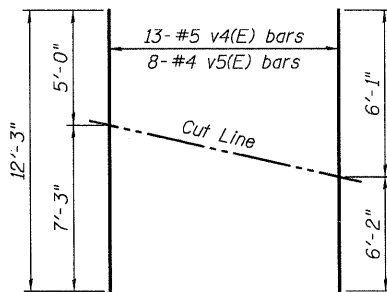
ELEVATION - WALL A
(Looking East)

BAR n(E)

9- #4 h6(E) bars at 18\"/>

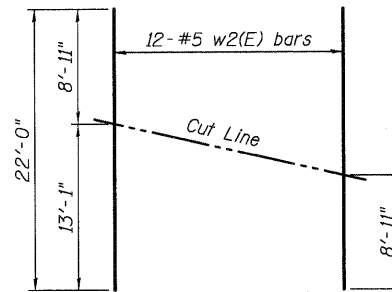
13- #4 h7(E) bars at 12\"/>

ELEVATION - WALL B
(Looking East)



FIELD CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder in same face of wall.

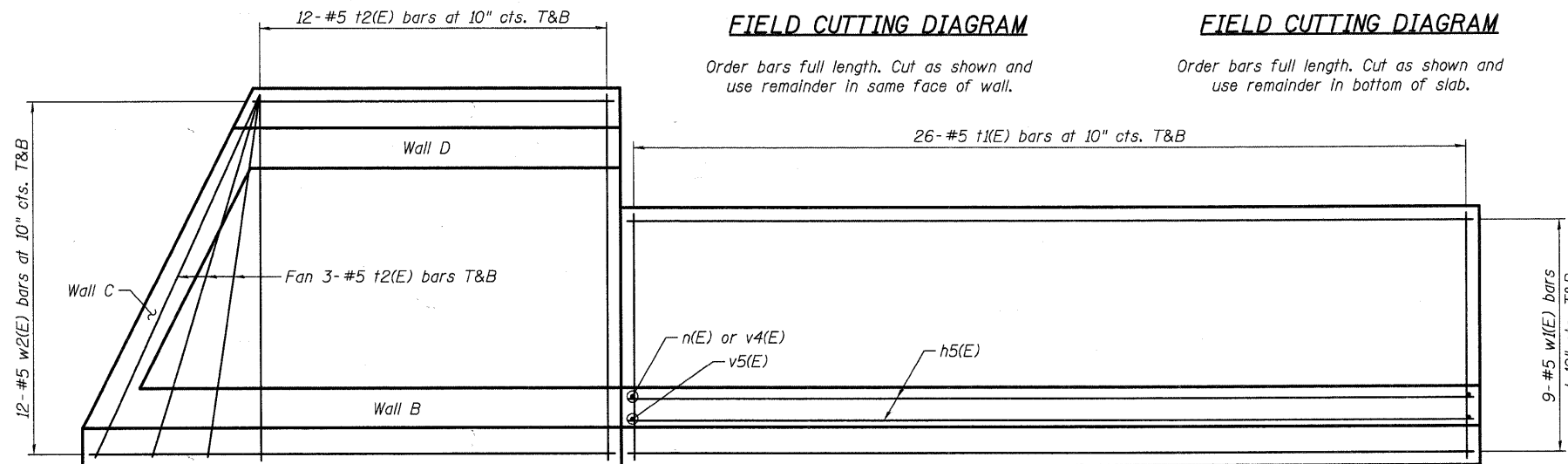


FIELD CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder in bottom of slab.

BAR n1(E)

F.F. refers to front face
B.F. refers to back face
E.F. refers to each face



**FOOTING PLAN
WALLS B, C & D**

**FOOTING PLAN
WALL A**

**WALL DETAILS II
NORTH AVENUE RETAINING WALLS**

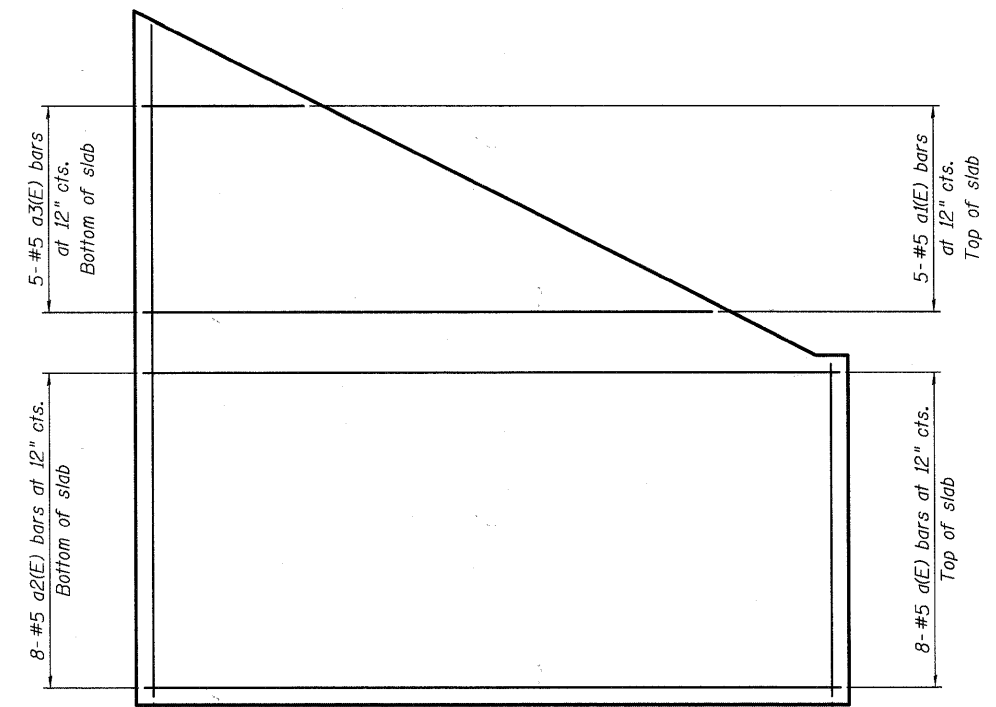
DESIGNED -	DLS
CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

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SHEET NO. 13
24 SHEETS

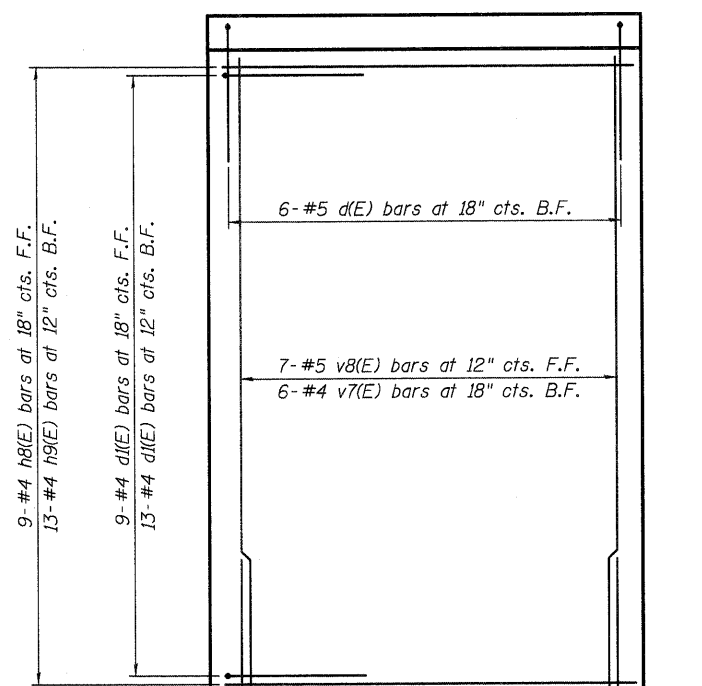
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CONTRACT NO. 63517				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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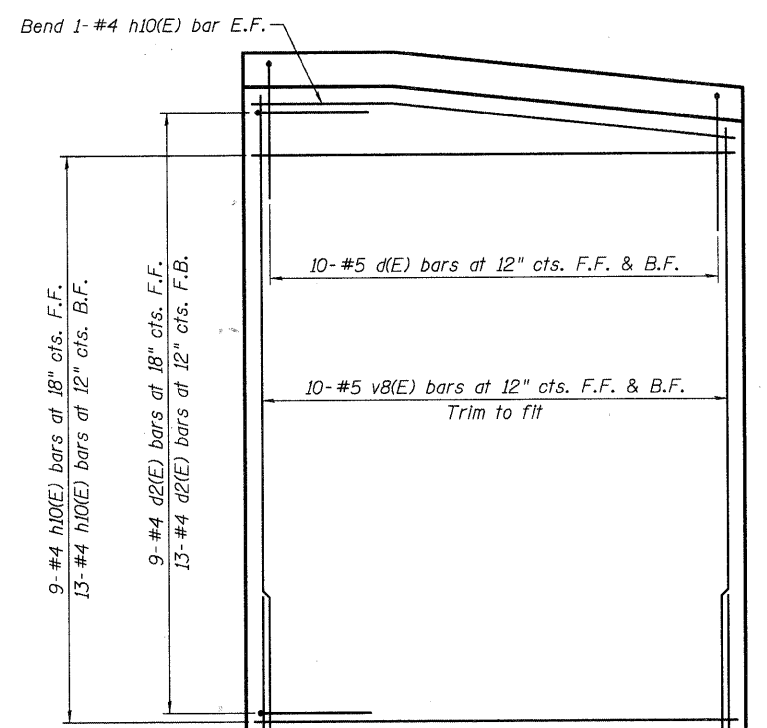


15-#5 b(E) bars at 12" cts. - Top of slab
 12-#5 b1(E) bars at 15" cts. - Bottom of slab

DECK SLAB REINFORCEMENT

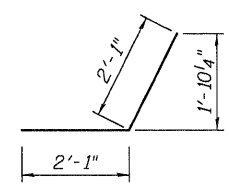


ELEVATION - WALL C
(Looking North)

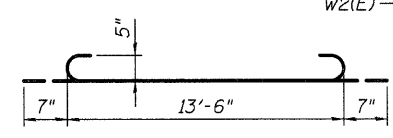


ELEVATION - WALL D
(Looking East)

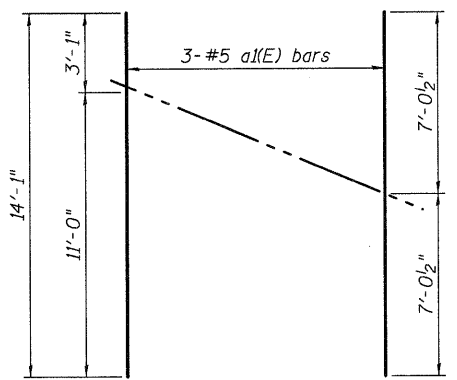
F.F. refers to front face
 B.F. refers to back face
 E.F. refers to each face



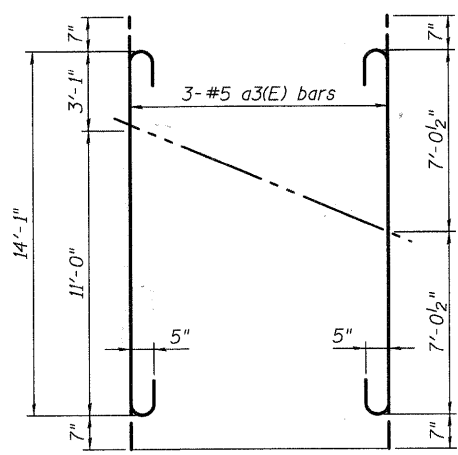
BAR d2(E)



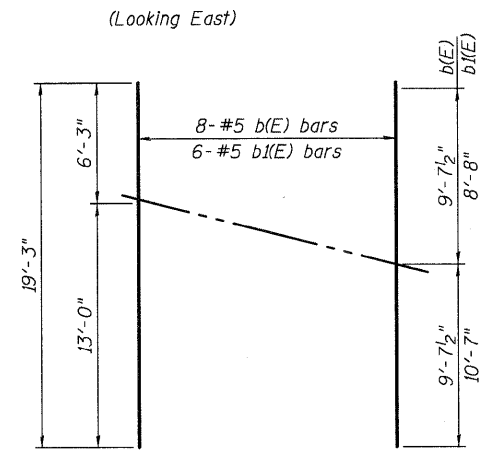
BAR a2(E)



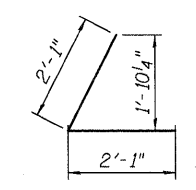
FIELD CUTTING DIAGRAM
 Order bars full length. Cut as shown and use remainder of bars in top of slab



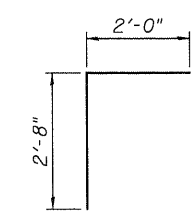
FIELD CUTTING DIAGRAM
 Order bars full length. Cut as shown and use remainder of bars in bottom of slab



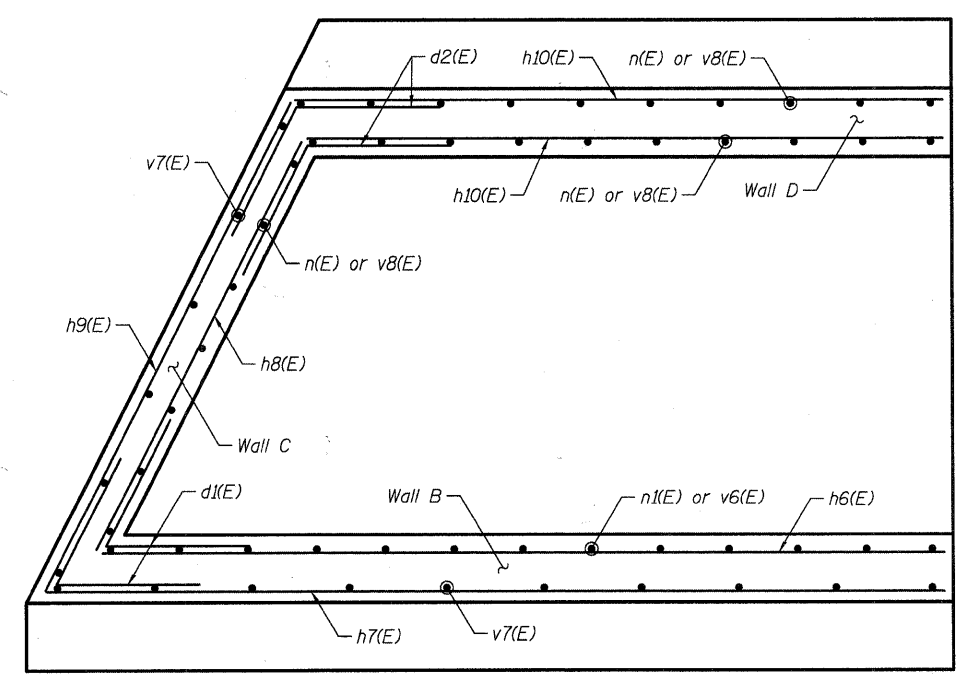
FIELD CUTTING DIAGRAM
 Order bars full length. Cut as shown and use remainder of bars in top & bottom of slab



BAR d1(E)



BAR d(E)



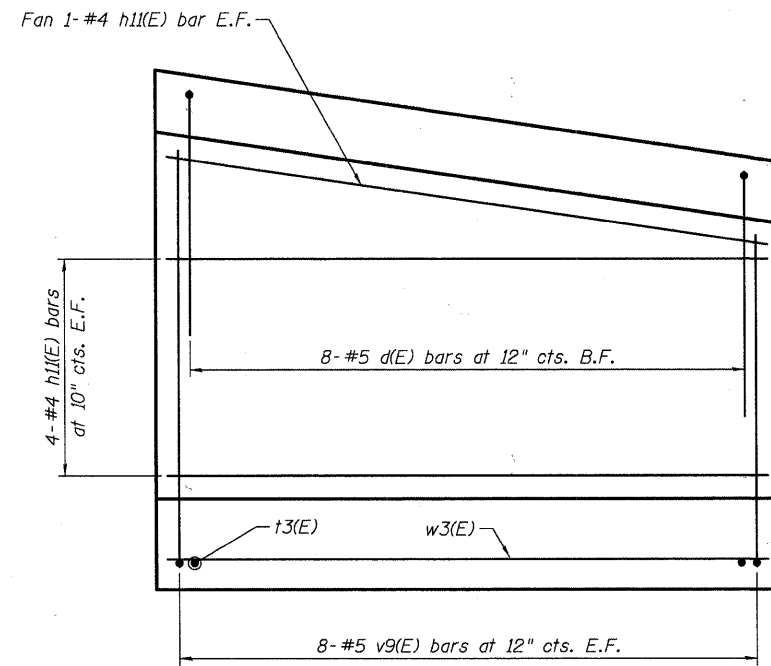
WALL REINFORCEMENT
WALLS B, C & D

DESIGNED	-	DLS
CHECKED	-	AEU
DRAWN	-	AWH
CHECKED	-	DLS

WALL DETAILS III
NORTH AVENUE RETAINING WALLS

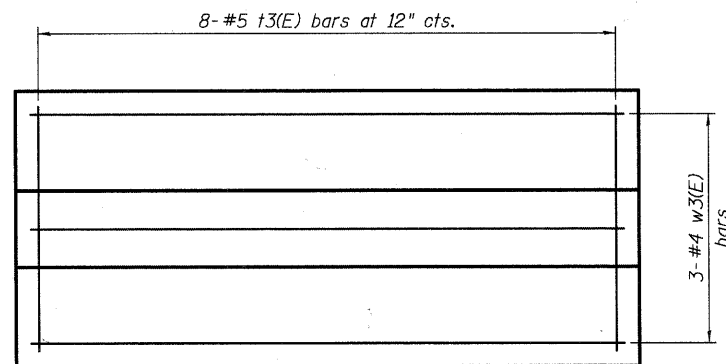
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SHEET NO. 14 24 SHEETS	F.A.U RTE.	SECTION 05-F3000-06-BT	COUNTY KANE	TOTAL SHEETS 58	SHEET NO. 35
	CONTRACT NO. 63517				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

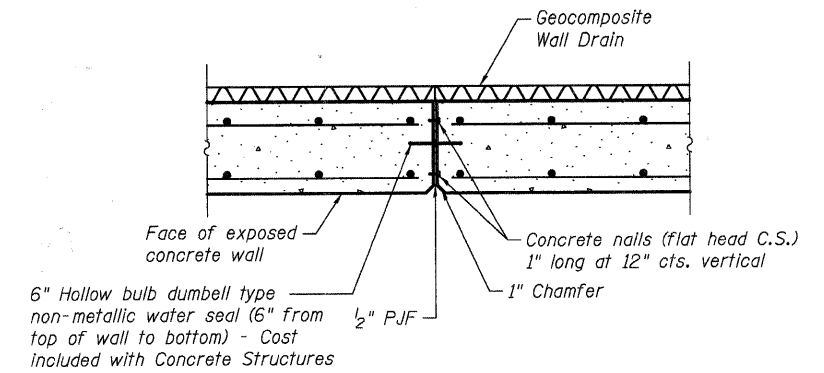


ELEVATION - WALL E
(Looking East)

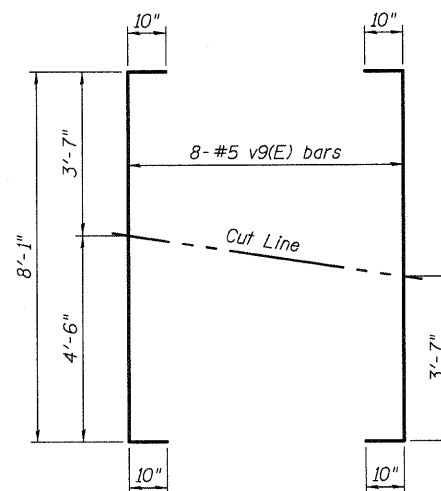
F.F. refers to front face
B.F. refers to back face
E.F. refers to each face



FOOTING PLAN - WALL E

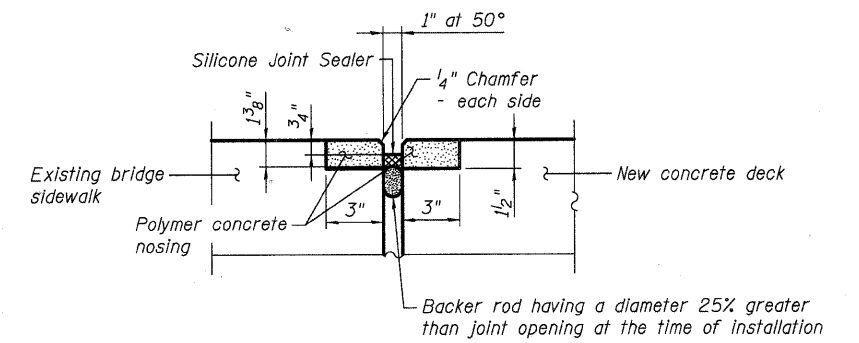


**WALL EXPANSION JOINT
BETWEEN WALL A & WALL B**



FIELD CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder of bars in opposite face.



At existing bridge sidewalk, chip and prepare surface for nosing.
At new concrete deck form for nosing and roughen surface.

**EXPANSION JOINT
AT CONCRETE DECK**

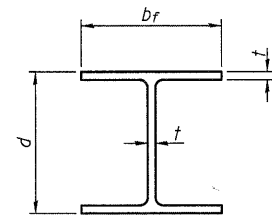
**WALL DETAILS IV
NORTH AVENUE RETAINING WALLS**

DESIGNED -	DLS
CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

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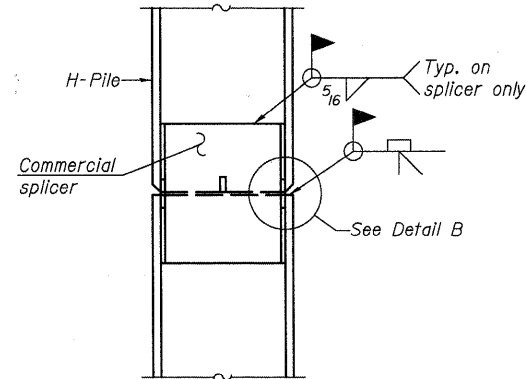
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FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

PLOT DATE = 12/29/2010
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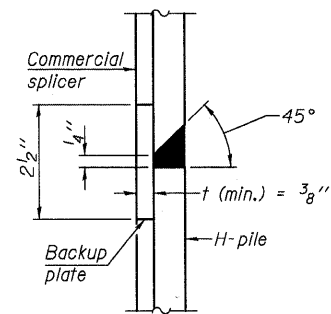


STEEL PILE TABLE

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

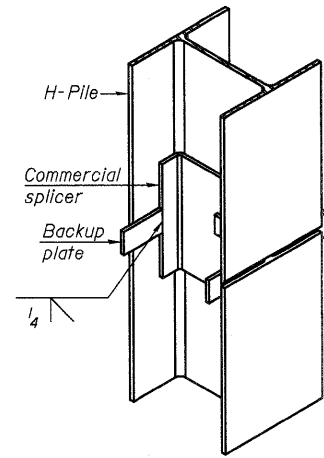


ELEVATION

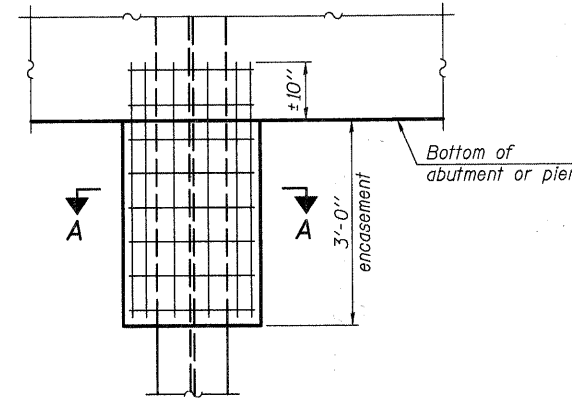


DETAIL "B"

WELDED COMMERCIAL SPLICE

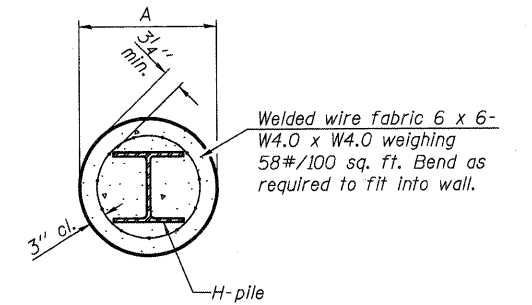


ISOMETRIC VIEW



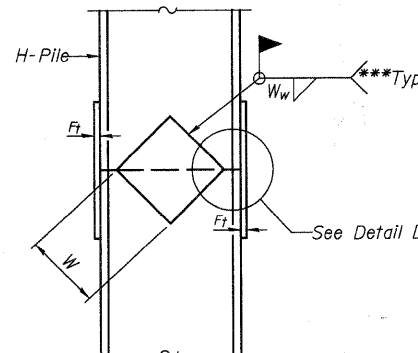
ELEVATION

PILE ENCASEMENT

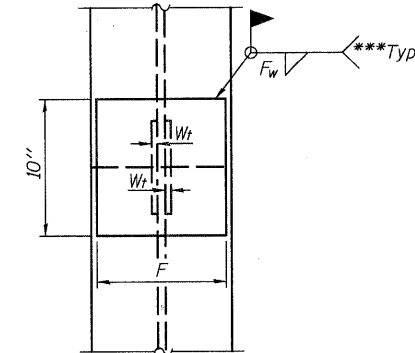


SECTION A-A

Note:
Forms for encasement may be omitted when soil conditions permit.



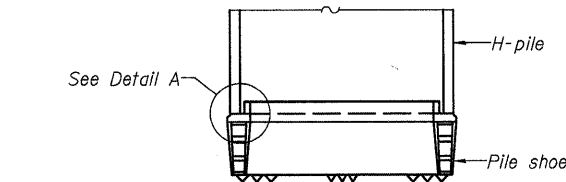
ELEVATION



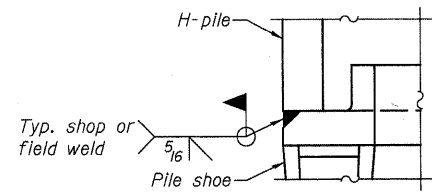
END VIEW

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

WELDED PLATE FIELD SPLICE

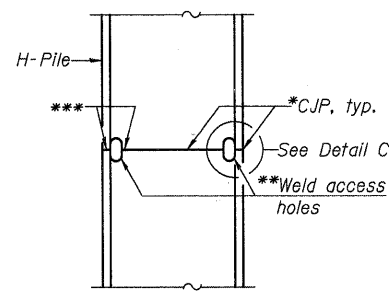


ELEVATION



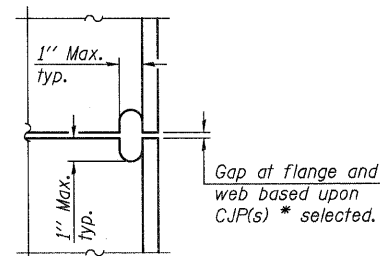
DETAIL A

H-PILE SHOE ATTACHMENT

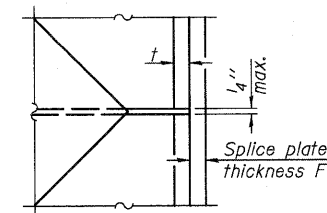


ELEVATION

COMPLETE PENETRATION WELD SPLICE



DETAIL C



DETAIL D

DESIGNED -	DLS
CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

F-HP 10-1-08

- * Use joint conforming to Figure 3.4 in AWS D1.1, Structure Welding Code - Steel.
- ** Preparation per Fig. 5.2 in AWS D1.1, Structure Welding Code - Steel.
- *** Interrupt welds 1/4" from end of each pile.

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

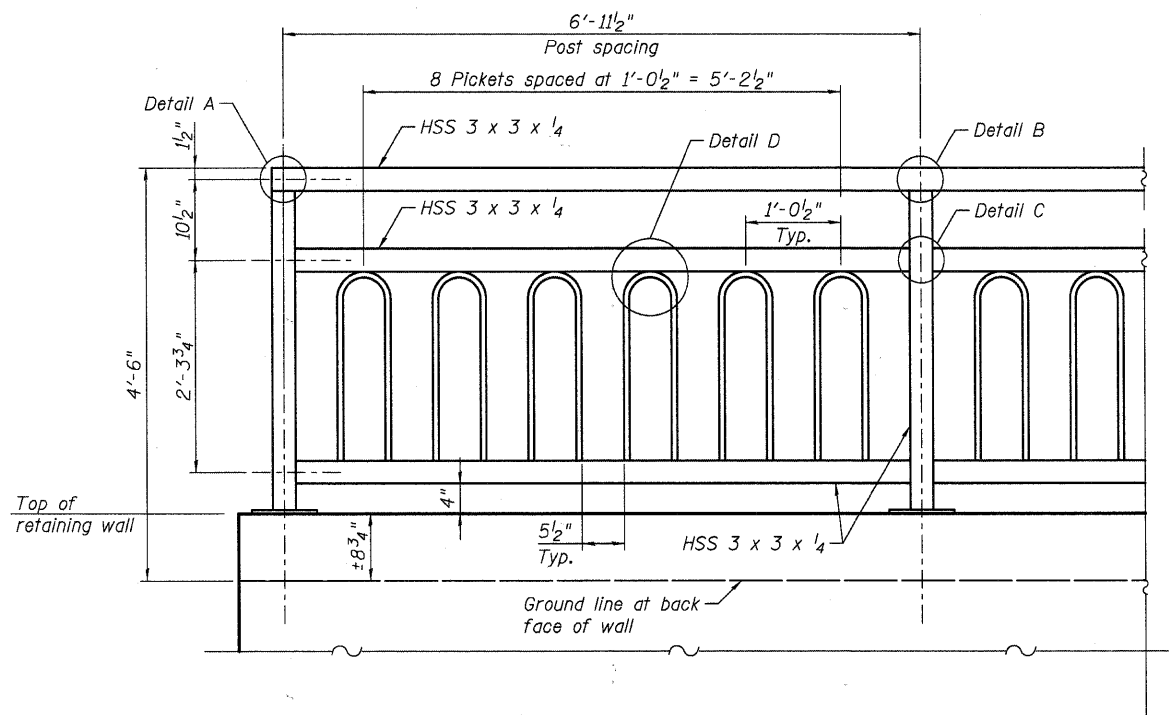
WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

SHEET NO. 16
24 SHEETS

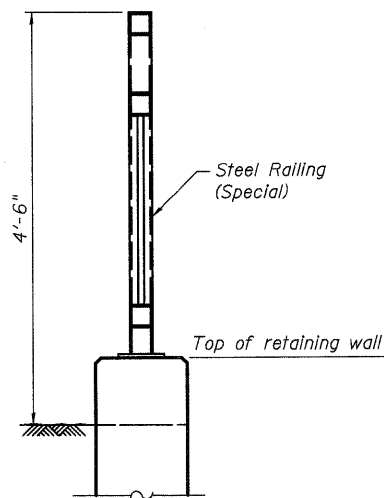
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	37
CONTRACT NO. 63517				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**HP PILE DETAILS
BICYCLE BRIDGE OVER FOX RIVER**

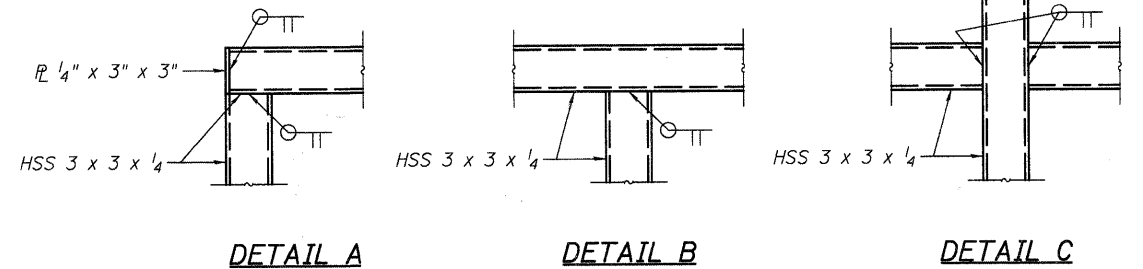
PLOT DATE = 12/28/2010 FILE NAME = F:\CIBEL\WEST\Projects\2009\123148 FoxRivT-PHII\Structural\Drawings\123148_FoxRivT-PHII\HP-HP-1.dwg



**ELEVATION
STEEL RAILING (SPECIAL)**



SECTION



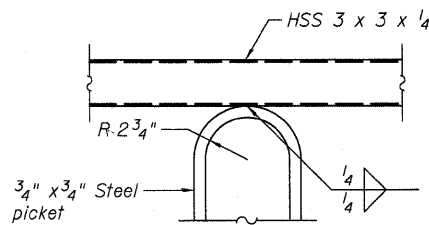
DETAIL A

DETAIL B

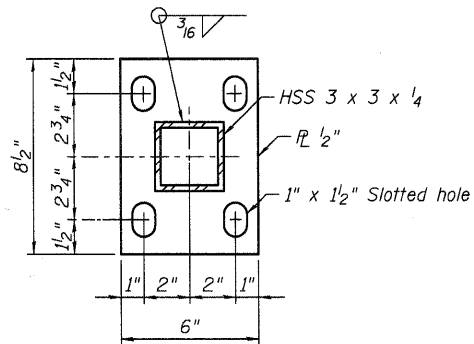
DETAIL C

BILL OF MATERIAL

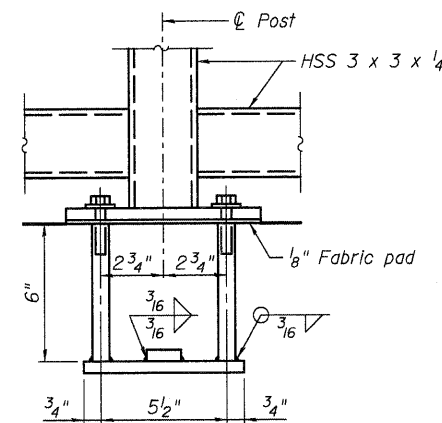
Item	Unit	Quantity
Steel Railing (Special)	Foot	21



DETAIL D

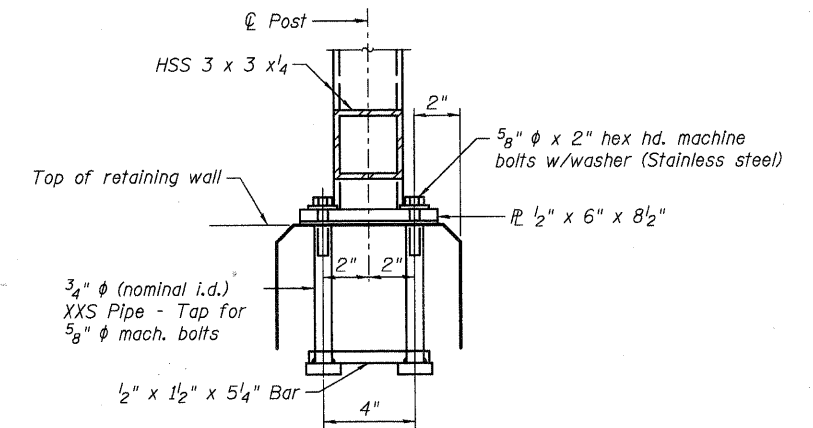


BASE PL



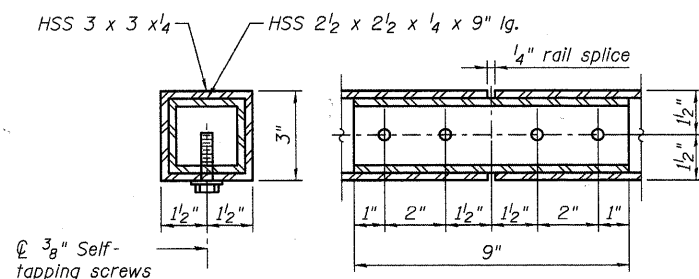
ANCHOR BOLT DETAILS

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



NOTES

- All work shall conform to the special provision Steel Railing (Special).
- All post, railing, splices, anchor devices, and bent plates shall be painted using one coat of zinc-rich primer and two coats of a black powder-coated finish.
- Reinforcement shall be spaced to miss anchor rods.



RAIL SPLICE

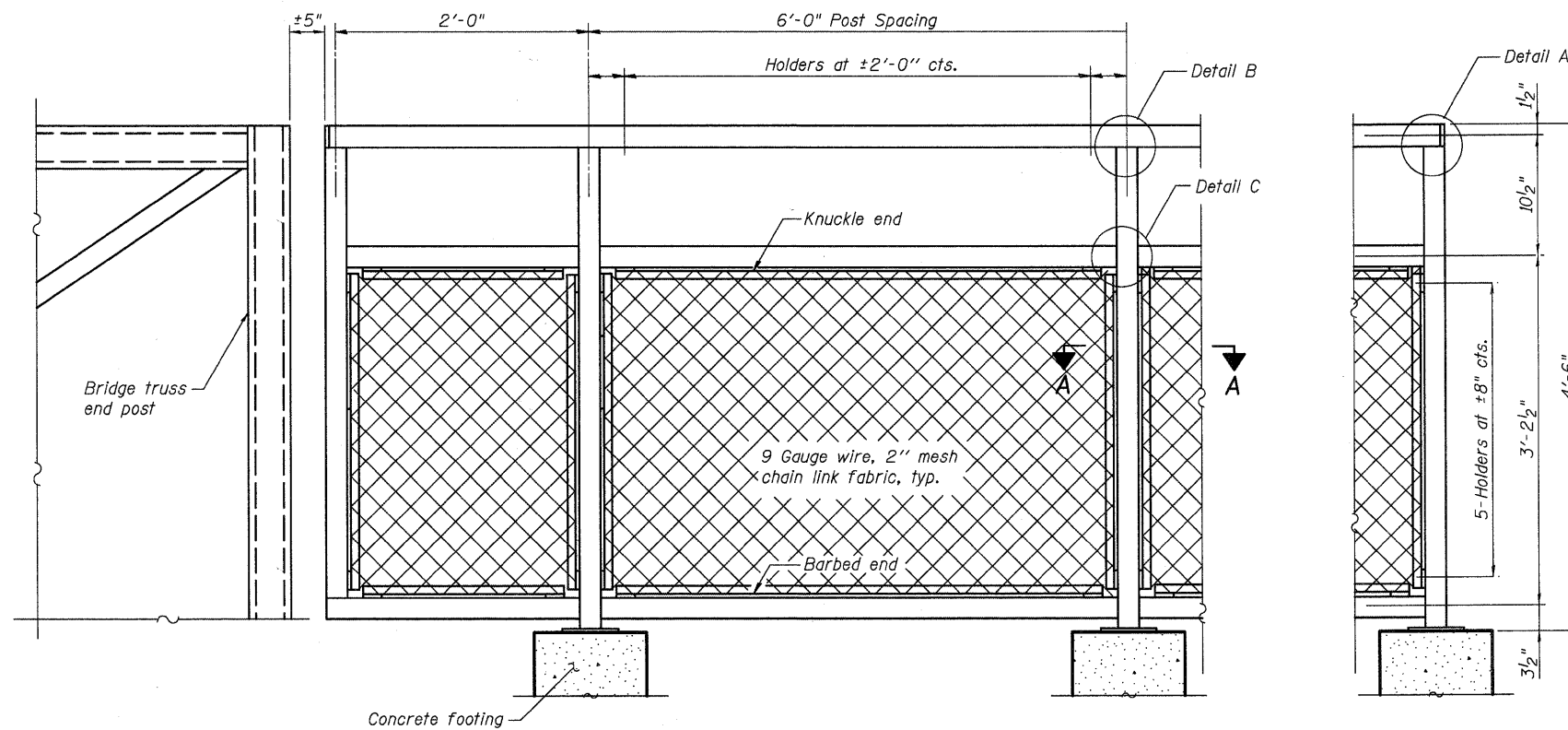
**STEEL RAILING DETAILS
NORTH AVENUE RETAINING WALLS**

DESIGNED -	DLS
CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

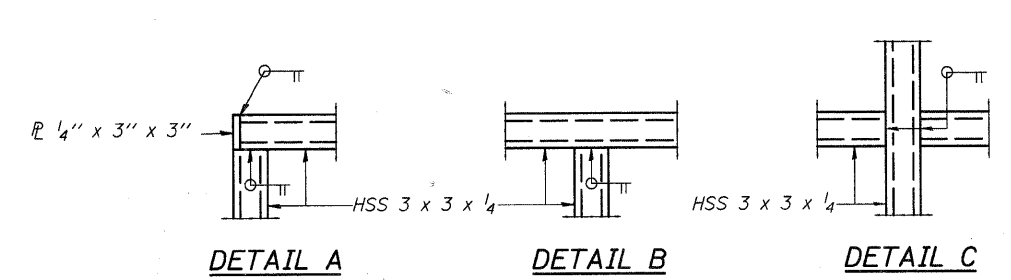
WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

SHEET NO. 17
24 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	38
CONTRACT NO. 63517				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



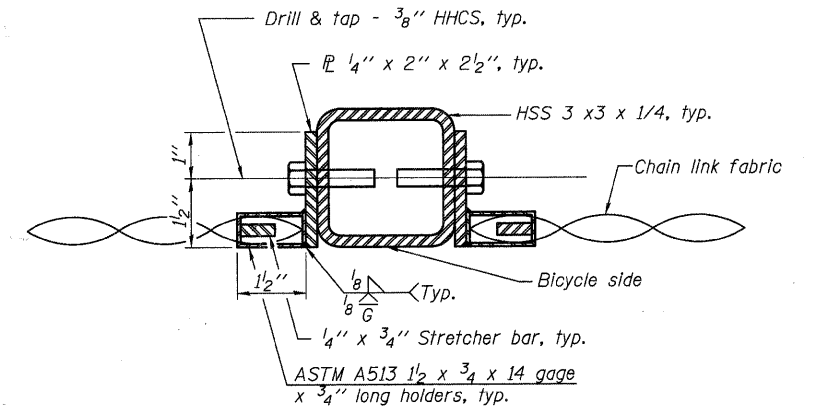
BICYCLE RAILING



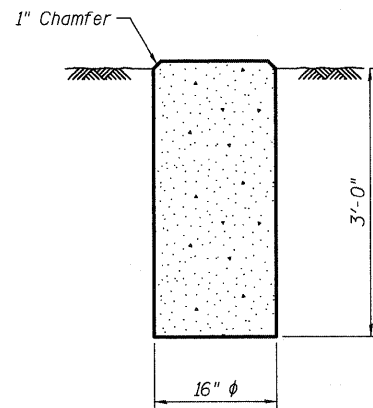
DETAIL A

DETAIL B

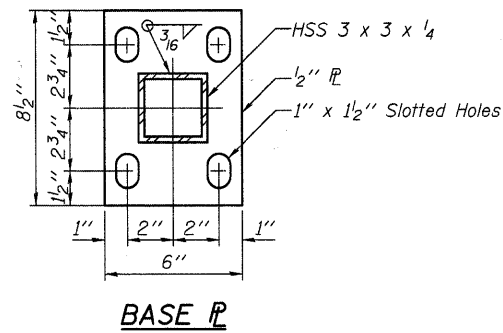
DETAIL C



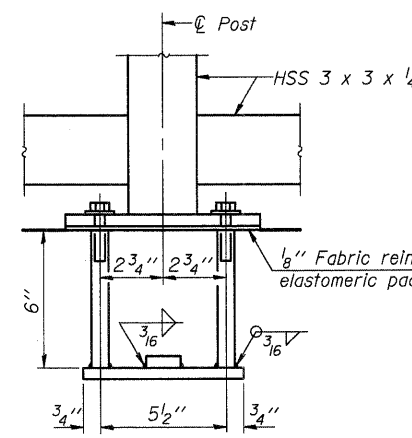
SECTION A-A



CONCRETE FOOTING

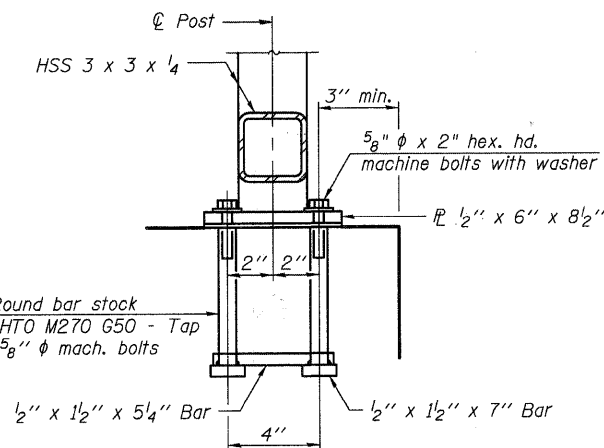


BASE PL



ANCHOR BOLT DETAILS

1" Round bar stock
AASHTO M270 G50 - Tap
for 5/8" φ mach. bolts



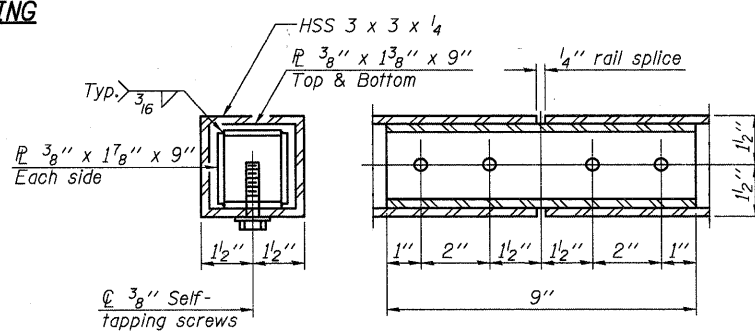
BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	20

NOTES

- All work shall conform to the special provision Bicycle Railing (Special).
- All post, railing, splices, anchor devices, and bent plates shall be painted using one coat of zinc-rich primer and two coats of a black powder-coated finish.
- Reinforcement shall be spaced to miss anchor rods.

**BICYCLE RAILING DETAILS
BICYCLE BRIDGE OVER FOX RIVER**



RAIL SPLICE

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

DESIGNED -	DLS
CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

SHEET NO. 18
24 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	39
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 63517				



File No. 15635 **BORING LOG** 1

Client ROBERT H. ANDERSON & ASSOC., INC. Sheet 1 of 2

Comments Pier 3 Project Aurora Bike Path Date 11/23/99

N 350, 661.2420 Location Aurora, IL Drilled By R & S

E 1, 659.0860 Equipment CME 45B H.A. Other Logged By DA

Elev. ft.	Description	Depth, ft.	D	S	T	R	B	N	Pen.	W	Uw	Qu
621.6'	Black silt, some clay, trace sand & roots, damp											
						11						
						14						
	Brown fine-medium sand, some gravel, trace coarse sand & silt, damp, dense	1		SS	10"	21		35		8.3		
617.6'						15						
						21						
	Brown fine-medium sand & gravel, some coarse sand, very damp-saturated, dense	5		SS	10"	28		49		8.5		
615.1'						13						
						5						
	Brown fine-medium sand, some gravel, trace coarse sand & gravel, very damp, medium dense	3		SS	8"	8		12		9.8		
613.6'						15						
						21						
	Gray limestone, some sand, trace clay & silt, very damp, dense to very dense (extremely weathered)	10		SS	4"	26		47		11.4		
						22						
						37						
						40		77		8.1		
						50-2"						
								50+				
603.6'												
	Gray limestone RQD = 100% (excellent)											
		20										

Water Level — depth, ft. elev. ft.
 - while drilling: 4.0 617.6
 - after drilling: _____
 - hrs. after drilling: _____

S - sample T - type: J(Jar), SS(split-spoon), ST(shealy tube) R - recovery length, in.
 B - Standard Penetration Test (SPT), blows/ 6" interval. W - water content, %
 N - SPT, blows/ foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30".
 Pen. - pocket penetrometer reading, tons/ sq. ft. Uw - dry unit weight of soil, lbs./ cu. ft.
 Qu - unconfined compressive strength, tons/ sq. ft.

F-111b



File No. 15636 **BORING LOG** 1

Client ROBERT H. ANDERSON & ASSOC., INC. Sheet 2 of 2

Comments Pier 3 Project Aurora Bike Path Date 11/23/99

Aurora, IL Drilled By R & S

Equipment CME 45B H.A. Other Logged By DA

Elev. ft.	Description	Depth, ft.	D	S	T	R	B	N	Pen.	W	Uw	Qu
	Gray Limestone RQD = 100% (excellent)											
El. 598.6'	Compressive Strength: 7,030 psi Unit Weight: 164.5 pcf											
		25										
595.3'												
	Gray Limestone RQD = 79% (good)											
		30										
588.6'	End of Boring											
		35										
		40										

Water Level — depth, ft. elev. ft.
 - while drilling: 4.0 617.6
 - after drilling: _____
 - hrs. after drilling: _____

S - sample T - type: J(Jar), SS(split-spoon), ST(shealy tube) R - recovery length, in.
 B - Standard Penetration Test (SPT), blows/ 6" interval. W - water content, %
 N - SPT, blows/ foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30".
 Pen. - pocket penetrometer reading, tons/ sq. ft. Uw - dry unit weight of soil, lbs./ cu. ft.
 Qu - unconfined compressive strength, tons/ sq. ft.

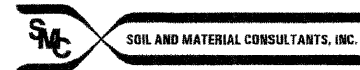
F-111b

DESIGNED -	DLS
CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

SOIL BORING LOGS I
BICYCLE BRIDGE OVER FOX RIVER

 116 West Main Street, Suite 201 St. Charles, Illinois 60174 (630) 443-7755	SHEET NO. 19	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24 SHEETS		05-F3000-06-BT	KANE	58	40
		FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
			CONTRACT NO. 63517			

PLOT DATE = 12/28/2000
 FILE NAME = F:\CIBEL WEST Projects\2809\123148 FourRivT-Phl\AS\Structural\Ugn\Final\Plans\BikeBrdg-919-SoilBoring.dgn



File No. 15635 BORING LOG 3

Client ROBERT H. ANDERSON & ASSOC., INC. Sheet 1 of 2

Comments Pier 7 Project Aurora Bike Path Date 11/24/99
N 350,760.3870 Location Aurora, IL Drilled By R & S
S 1,782.7680 Equipment CME 45B H.A. Other Logged By DA

Table with columns: Elev. ft., Description, Depth, ft., S, T, R, B, N, Pen., W, Uw, Qu. Rows include soil descriptions like 'Black silt, some clay, trace sand & roots, damp' and 'Brown silt, some sand & gravel, damp-very damp, medium dense'.

Water Level - depth, ft. elev., ft.
- while drilling: 3.5 616.2
- after drilling:
- hrs. after drilling:
S - sample T - type: J(Jar), SS(split-spoon), ST(shealy tube) R - recovery length, in.
B - Standard Penetration Test (SPT), blows/ 6" interval. W - water content, %
N - SPT, blows/ foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30"
Pen. - pocket penetrometer reading, tons/ sq. ft. Uw - dry unit weight of soil, lbs./ cu.ft.
Qu - unconfined compressive strength, tons/ sq. ft.

F-111b



File No. 15635 BORING LOG 3

Client ROBERT H. ANDERSON & ASSOC., INC. Sheet 2 of 2

Comments Pier 7 Project Aurora Bike Path Date 11/24/99
Location Aurora, IL Drilled By R & S
Equipment CME 45B H.A. Other Logged By DA

Table with columns: Elev. ft., Description, Depth, ft., S, T, R, B, N, Pen., W, Uw, Qu. Rows include soil descriptions like 'Gray limestone RQD = 70% (fair)' and 'End of Boring'.

Water Level - depth, ft. elev., ft.
- while drilling: 3.5 616.2
- after drilling:
- hrs. after drilling:
S - sample T - type: J(Jar), SS(split-spoon), ST(shealy tube) R - recovery length, in.
B - Standard Penetration Test (SPT), blows/ 6" interval. W - water content, %
N - SPT, blows/ foot to drive 2" O.D. split-spoon sampler with 140 lb. hammer falling 30"
Pen. - pocket penetrometer reading, tons/ sq. ft. Uw - dry unit weight of soil, lbs./ cu.ft.
Qu - unconfined compressive strength, tons/ sq. ft.

F-111b

PLOT DATE = 12/29/2000 FILE NAME = P:\CIBEL\MEST Projects\2005\123148 FoxRivT-PH11\Structural\Drawings\BikeBridge-021-SoilBoring.dgn

Table with 2 columns: Status and Name. Rows: DESIGNED - DLS, CHECKED - AEU, DRAWN - AWH, CHECKED - DLS.

SOIL BORING LOGS III BICYCLE BRIDGE OVER FOX RIVER

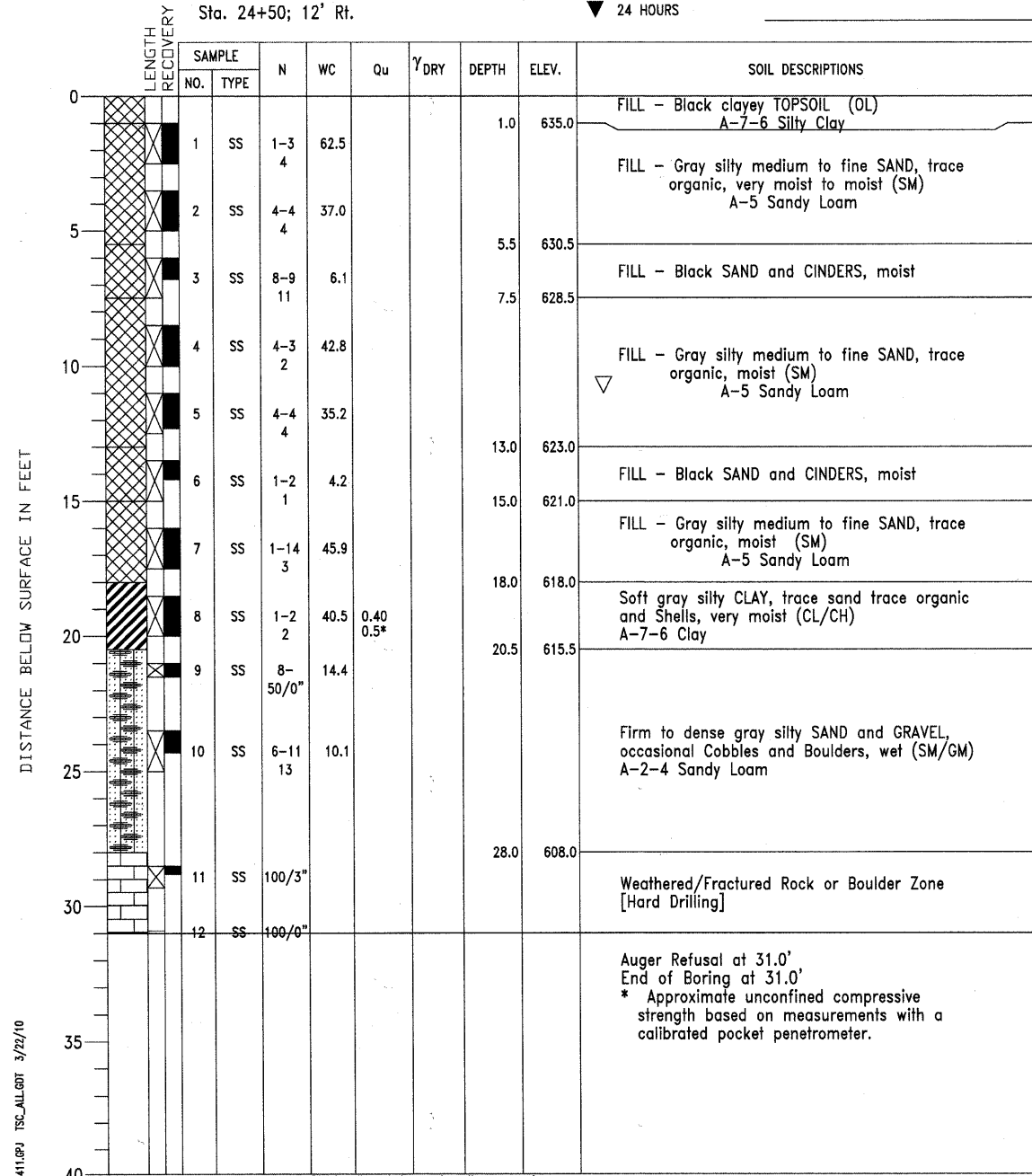
Project information block including WILLS BURKE KELSEY ASSOCIATES LTD. logo, SHEET NO. 21, SECTION 05-F3000-06-BT, COUNTY KANE, TOTAL SHEETS 58, SHEET NO. 42, and CONTRACT NO. 63517.

PROJECT Fox River Trail, Hurd's Island, Aurora, IL
 CLIENT Wills Burke Kelsey Associates, Ltd., St. Charles, IL
 BORING 101 DATE STARTED 1-29-10 DATE COMPLETED 1-29-10 JOB L-74,411



ELEVATIONS
 GROUND SURFACE 636.0
 END OF BORING 605.0
 Sta. 24+50; 12' Rt.

WATER LEVEL OBSERVATIONS
 WHILE DRILLING 1.0'
 AT END OF BORING 11.0'
 24 HOURS



DRILL RIG NO. 314

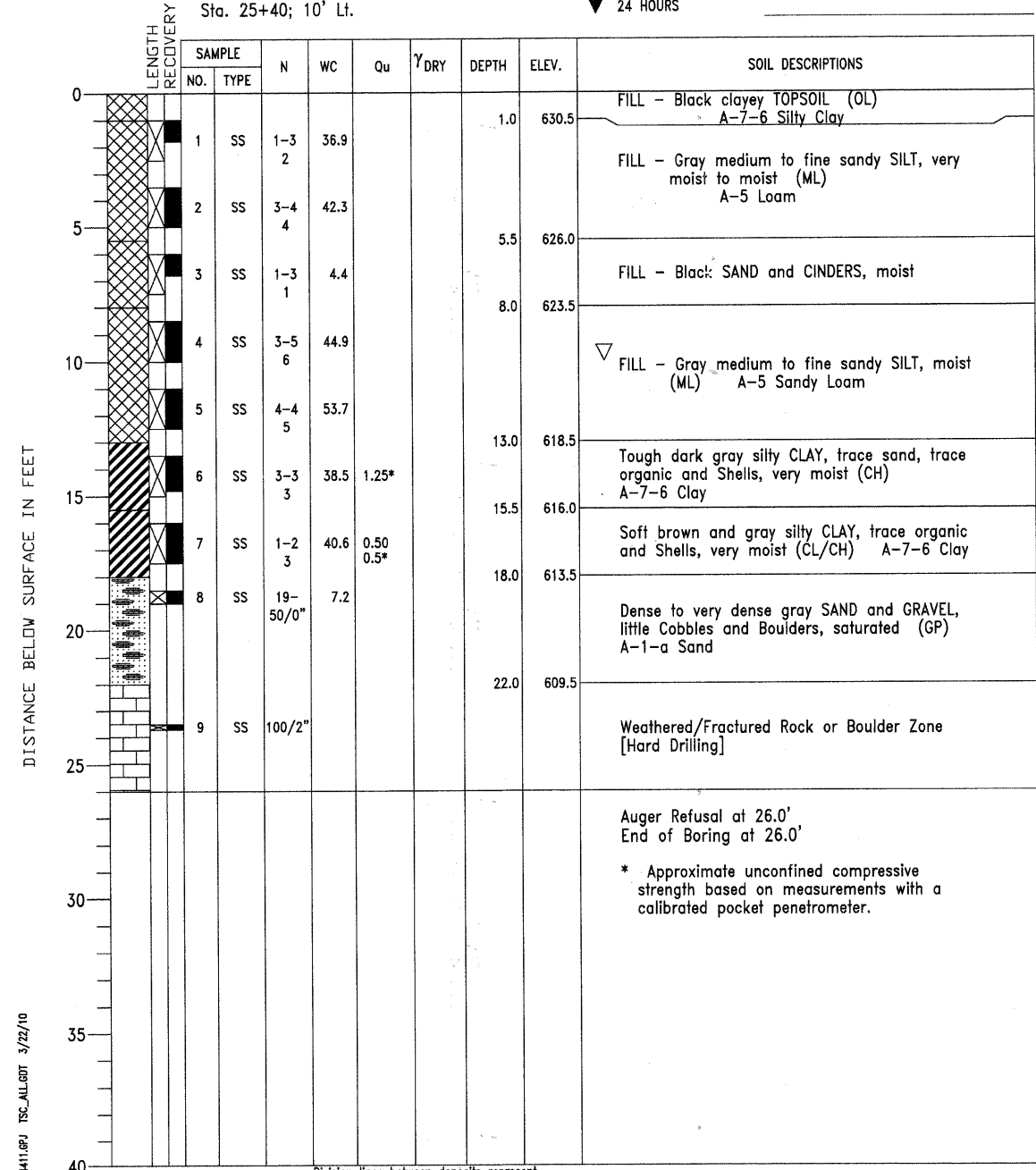
Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

PROJECT Fox River Trail, Hurd's Island, Aurora, IL
 CLIENT Wills Burke Kelsey Associates, Ltd., St. Charles, IL
 BORING 102 DATE STARTED 1-29-10 DATE COMPLETED 1-29-10 JOB L-74,411



ELEVATIONS
 GROUND SURFACE 631.5
 END OF BORING 605.5
 Sta. 25+40; 10' Lt.

WATER LEVEL OBSERVATIONS
 WHILE DRILLING 15.0'
 AT END OF BORING 10.0'
 24 HOURS



DRILL RIG NO. 314

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

DESIGNED -	DLS
CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

SOIL BORING LOGS V
 BICYCLE BRIDGE OVER FOX RIVER

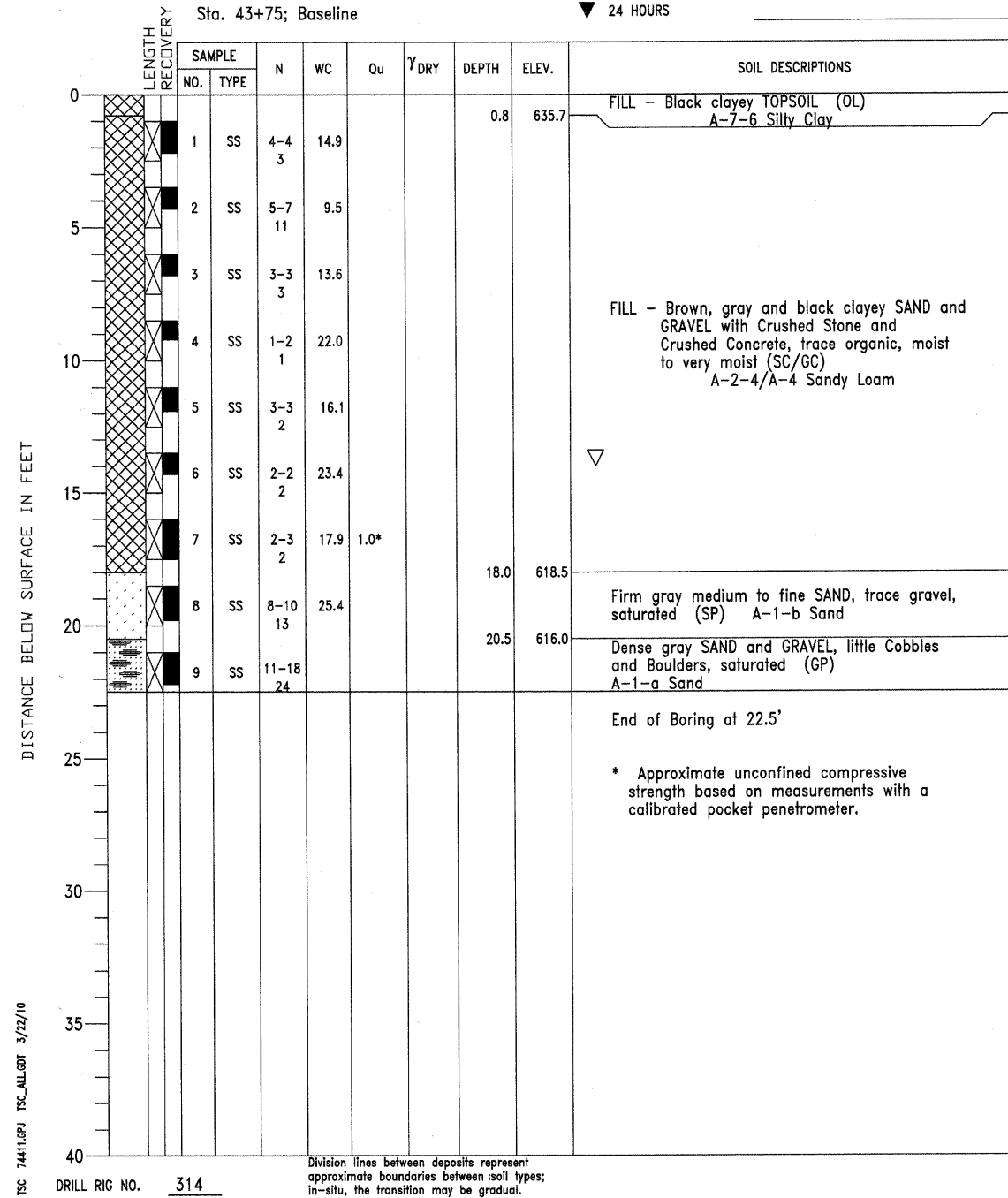
WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174 (630) 443-7755	SHEET NO. 23	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	24 SHEETS		05-F3000-06-BT	KANE	58	44
			CONTRACT NO. 63517			
			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

PLOT DATE = 12/28/2010
 FILE NAME = P:\CBBEL WEST Projects\2009\123148 FoxRvTr-PhilUS-Structural\Open\Final_Plane\BikeBrdgr-23-SoilBoring.dgn

PROJECT Fox River Trail, Hurd's Island, Aurora, IL
 CLIENT Wills Burke Kelsey Associates, Ltd., St. Charles, IL
 BORING 103 DATE STARTED 1-29-10 DATE COMPLETED 1-29-10 JOB L-74,411



ELEVATIONS
 GROUND SURFACE 636.5
 END OF BORING 614.0
 WATER LEVEL OBSERVATIONS
 WHILE DRILLING 18.0'
 AT END OF BORING 14.0'
 24 HOURS

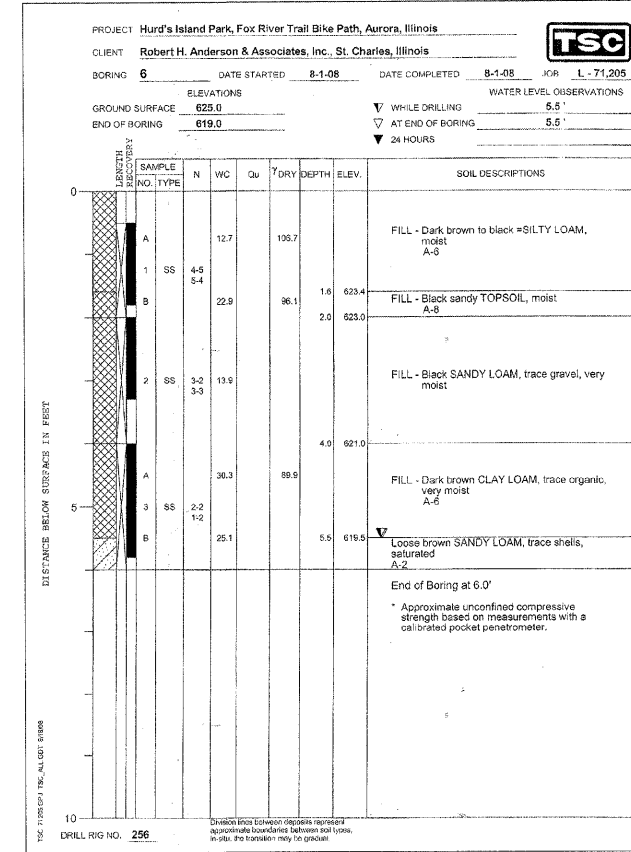
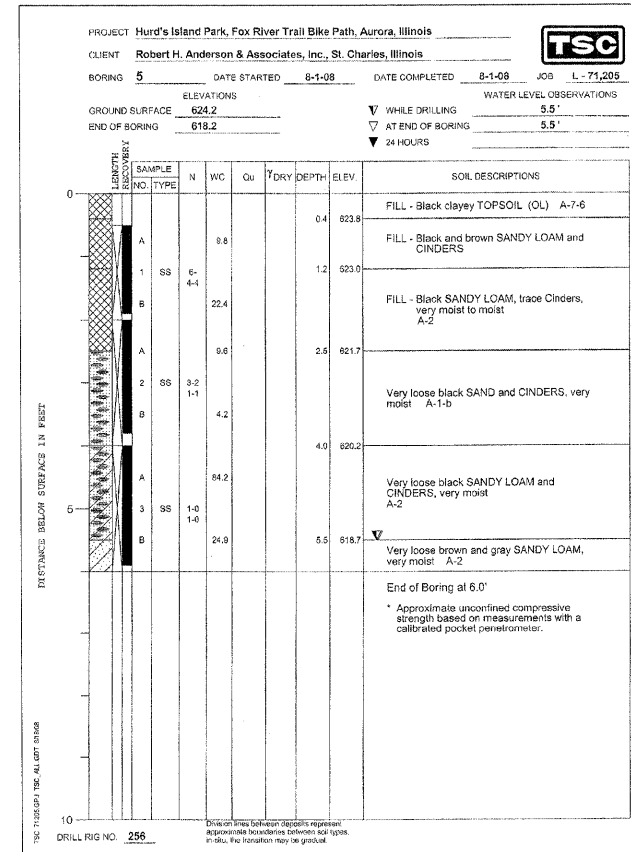
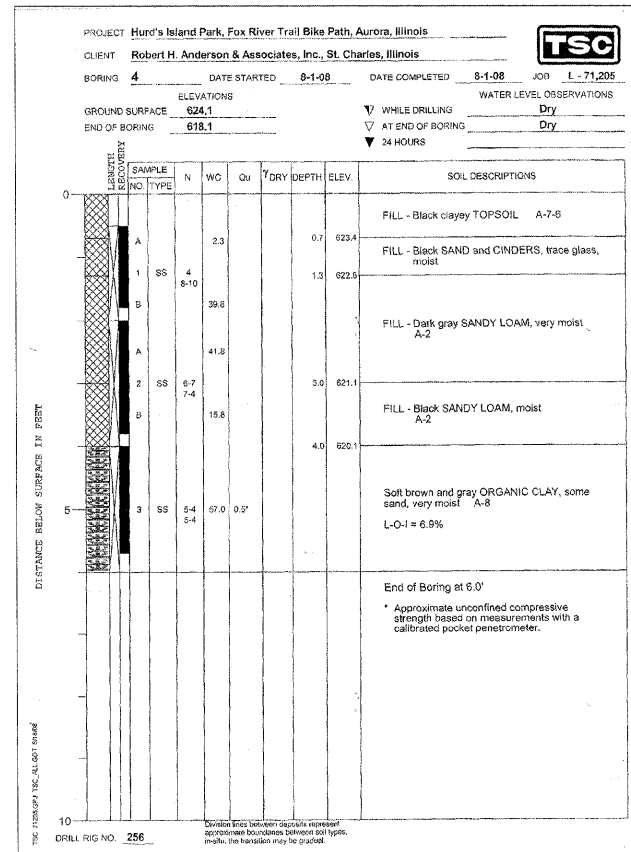
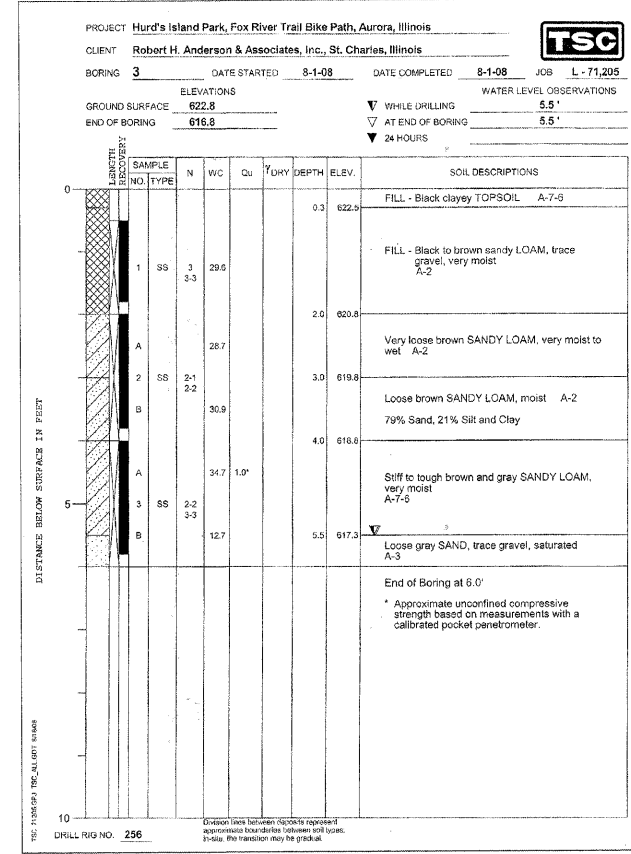
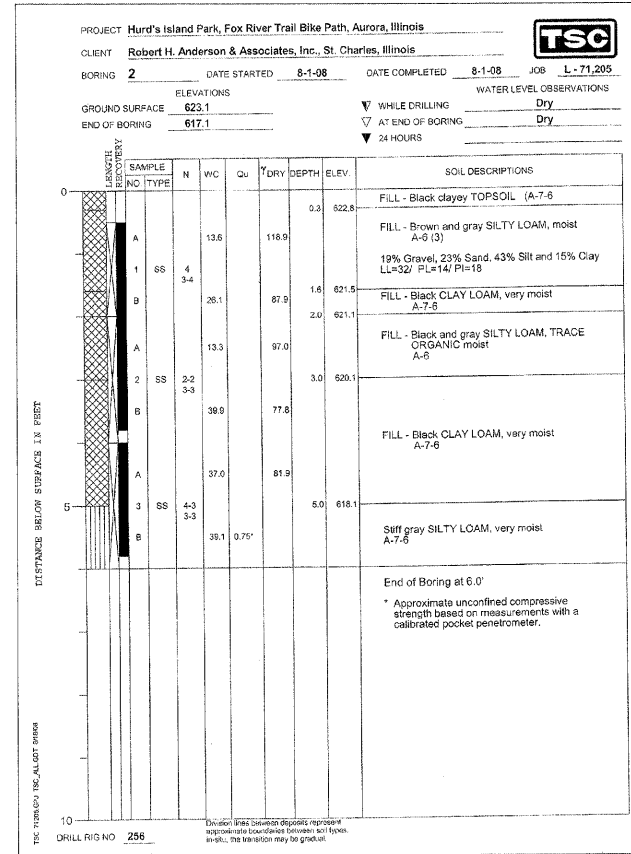
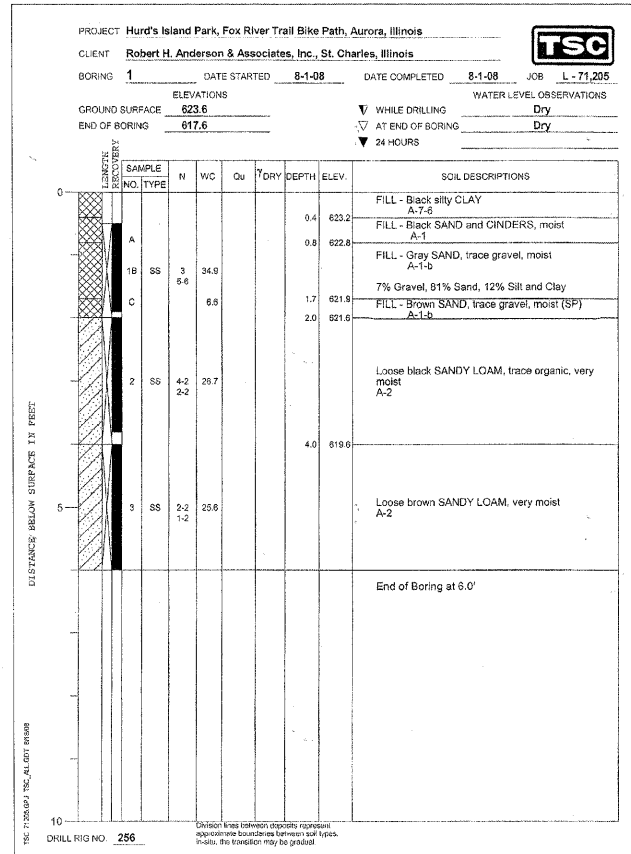


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DESIGNED -	DLS
CHECKED -	AEU
DRAWN -	AWH
CHECKED -	DLS

**SOIL BORING LOGS VI
 BICYCLE BRIDGE OVER FOX RIVER**

WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174 (630) 443-7755	SHEET NO. 24 24 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			05-F3000-06-BT	KANE	58	45
		CONTRACT NO. 63517				
		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME = P:\CDBEL\WEST Projects\2009\123140 FoxRiverTrailBikePath\SOILLOG.dgn



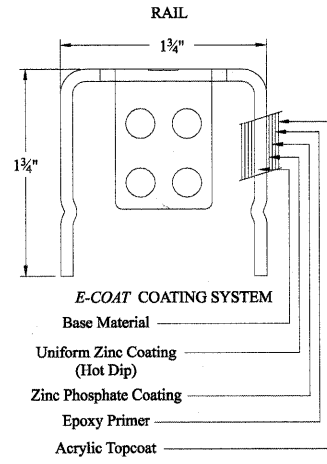
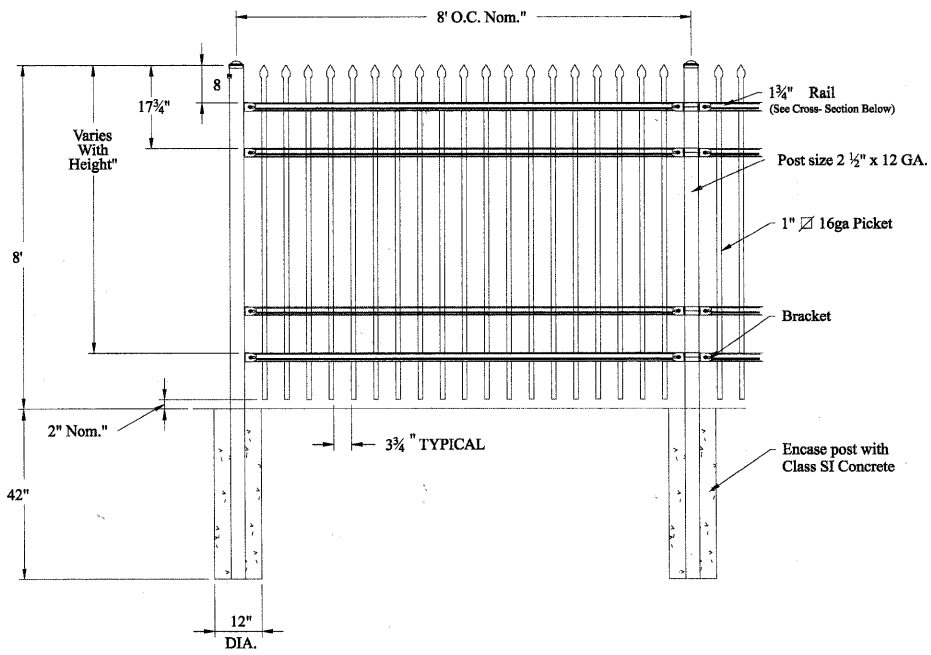
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PLOT SCALE = N/A	DRAWN - NP	REVISED -
PLOT DATE = 12/20/2010	CHECKED - DB	REVISED -
	DATE - 12/20/2010	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

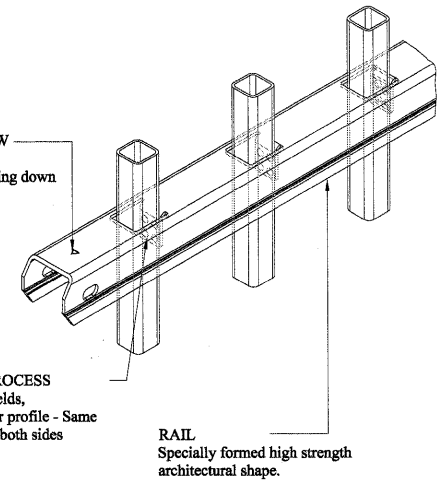
SCALE: N/A SHEET NO. 46 OF 58 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	46
CONTRACT NO. 63517				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

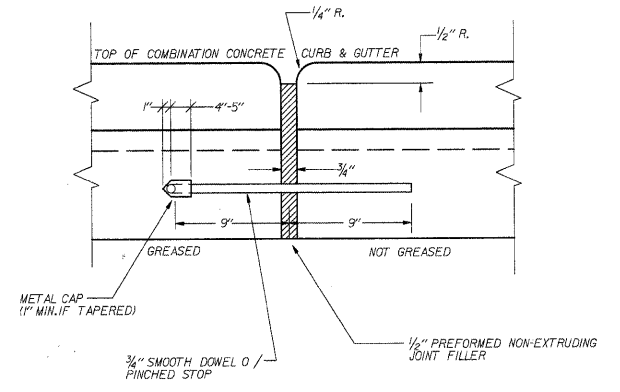


RAKING DIRECTIONAL ARROW
Welded panel can be raked 30° over 8' with arrow pointing down grade.

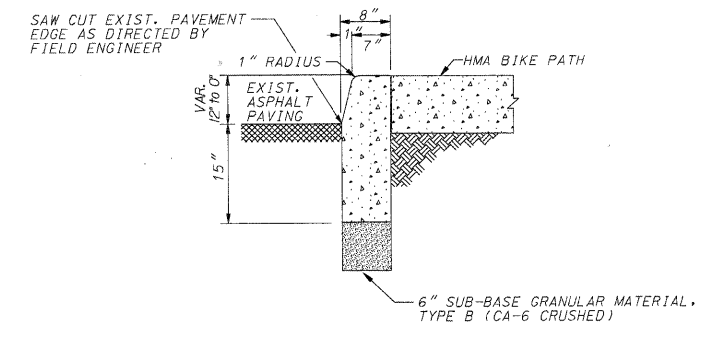
WELDING PROCESS
No exposed welds, Good Neighbor profile - Same appearance on both sides



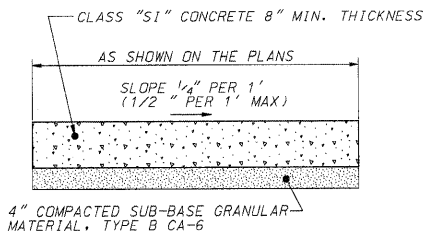
FENCE (SPECIAL) DETAIL



EXPANSION JOINT DETAIL

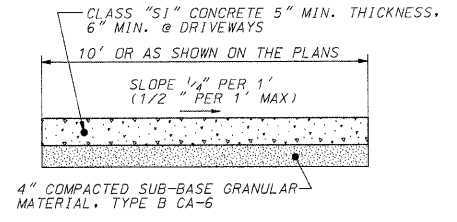


CONCRETE CURB, TYPE B (SPECIAL) DETAIL



- NOTES:**
1. MAX. LONGITUDINAL SLOPE SHALL NOT EXCEED 8% (12:1).
 2. SUB-BASE GRANULAR MATERIAL SHALL BE MECHANICALLY COMPACTED.
 3. ALL DRIVEWAY PAVEMENT SHALL BE PROMPTLY BACKFILLED AND PROTECTED FROM DAMAGE.

DRIVEWAY PAVEMENT, 8\"/>



- NOTES:**
1. MAX. LONGITUDINAL SLOPE SHALL NOT EXCEED 8% (12:1).
 2. SUB-BASE GRANULAR MATERIAL SHALL BE MECHANICALLY COMPACTED.
 3. ALL SIDEWALK SHALL BE PROMPTLY BACKFILLED AND PROTECTED FROM DAMAGE.

P.C.C. SIDEWALK, 5\"/>

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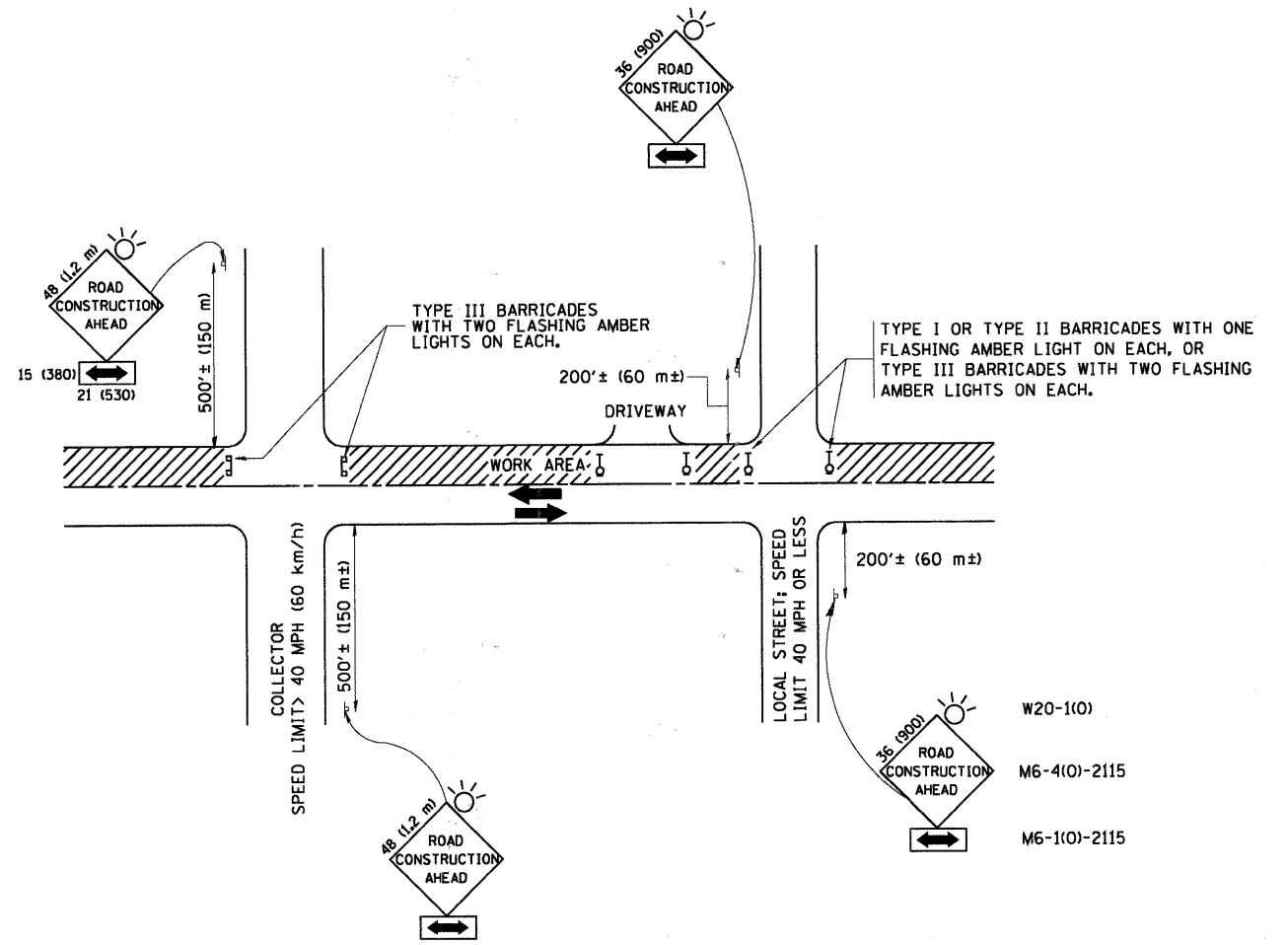
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PLOT DATE = 12/20/2010	CHECKED - PV	REVISED -
	DATE - 12/20/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL DETAILS

SCALE: N/A SHEET NO. 44 OF 58 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	47
CONTRACT NO. 63517				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
 - C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
 - D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

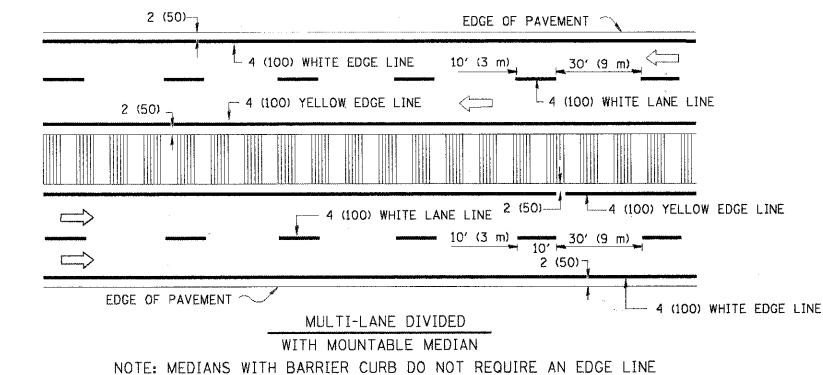
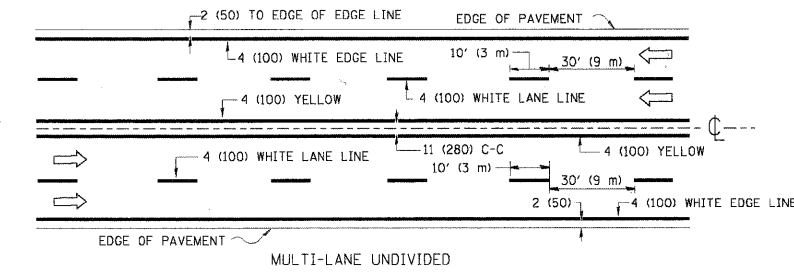
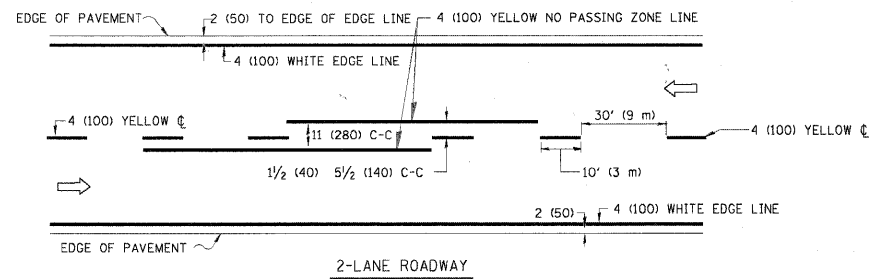
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		DRAWN -	REVISED - A. HOUSEH 03-06-96
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

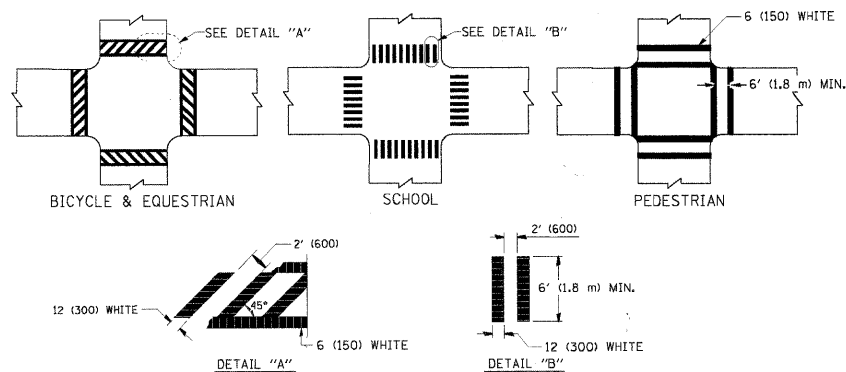
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 63517	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

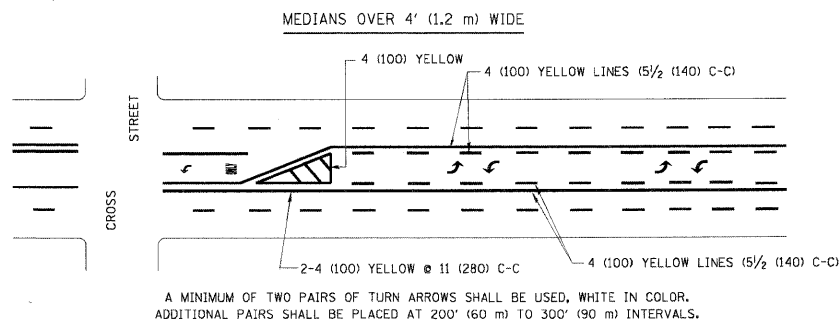
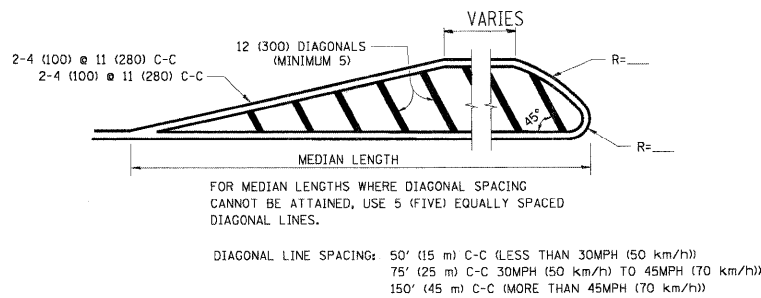
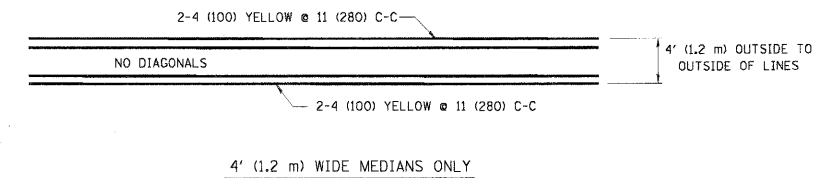


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

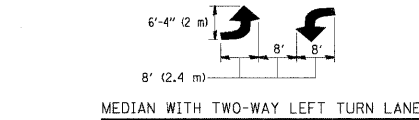
TYPICAL LANE AND EDGE LINE MARKING



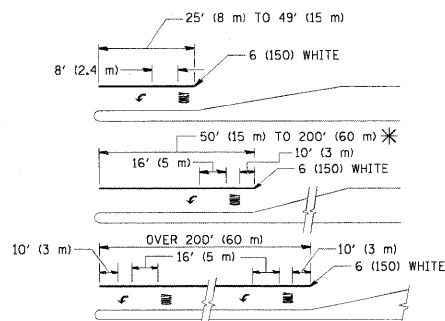
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING

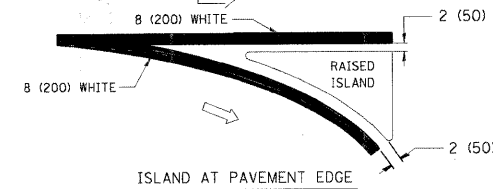
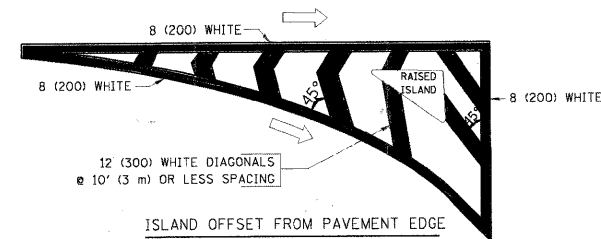


TYPICAL LEFT (OR RIGHT) TURN LANE MARKING



TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

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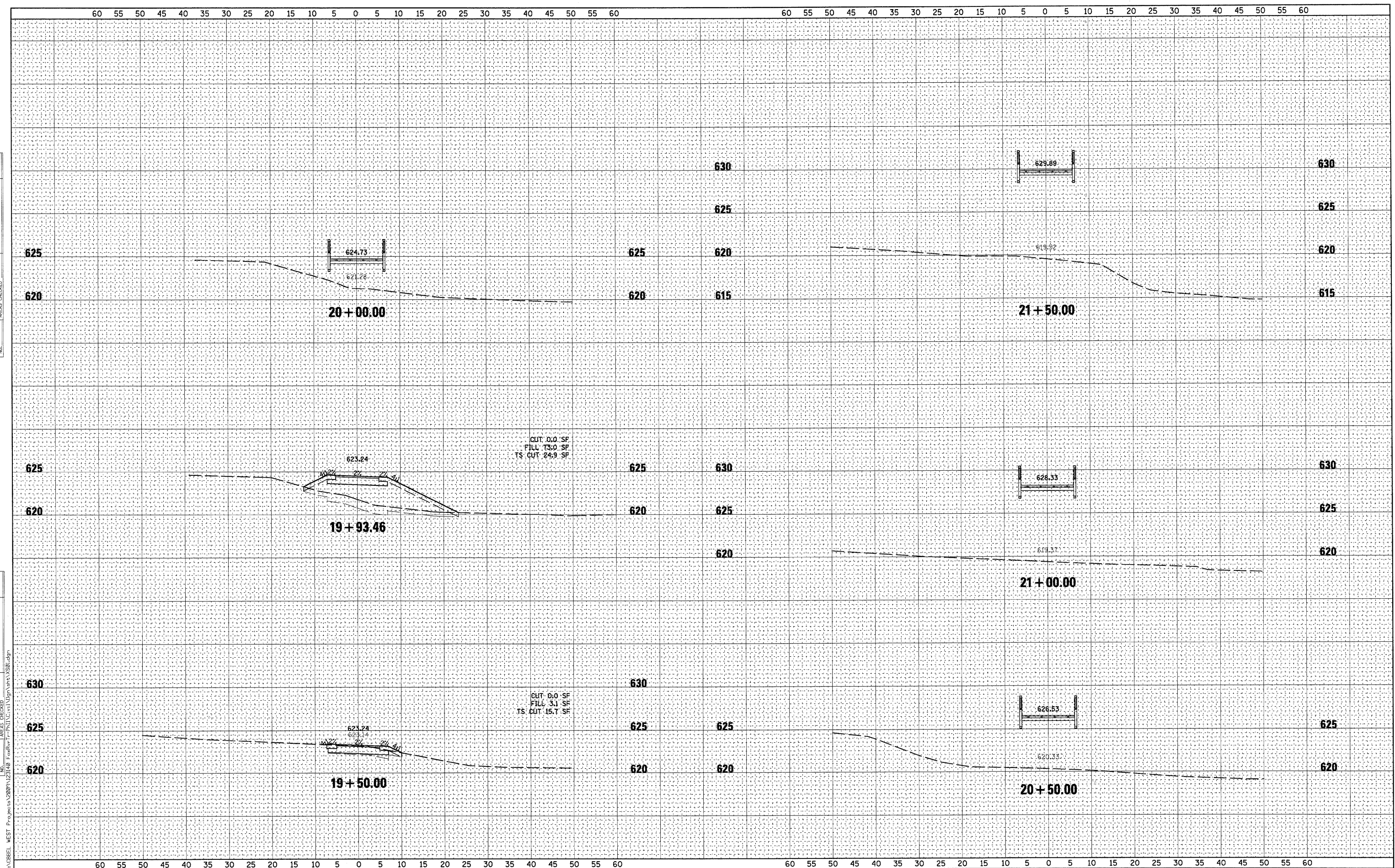
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE	SHEET NO. 49 OF 58 SHEETS	STA. TO STA.	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				05-F3000-06-BT	KANE	58	49
				TC-13	CONTRACT NO.63517		
				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

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FINAL SURVEY	
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NOTE BOOK	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

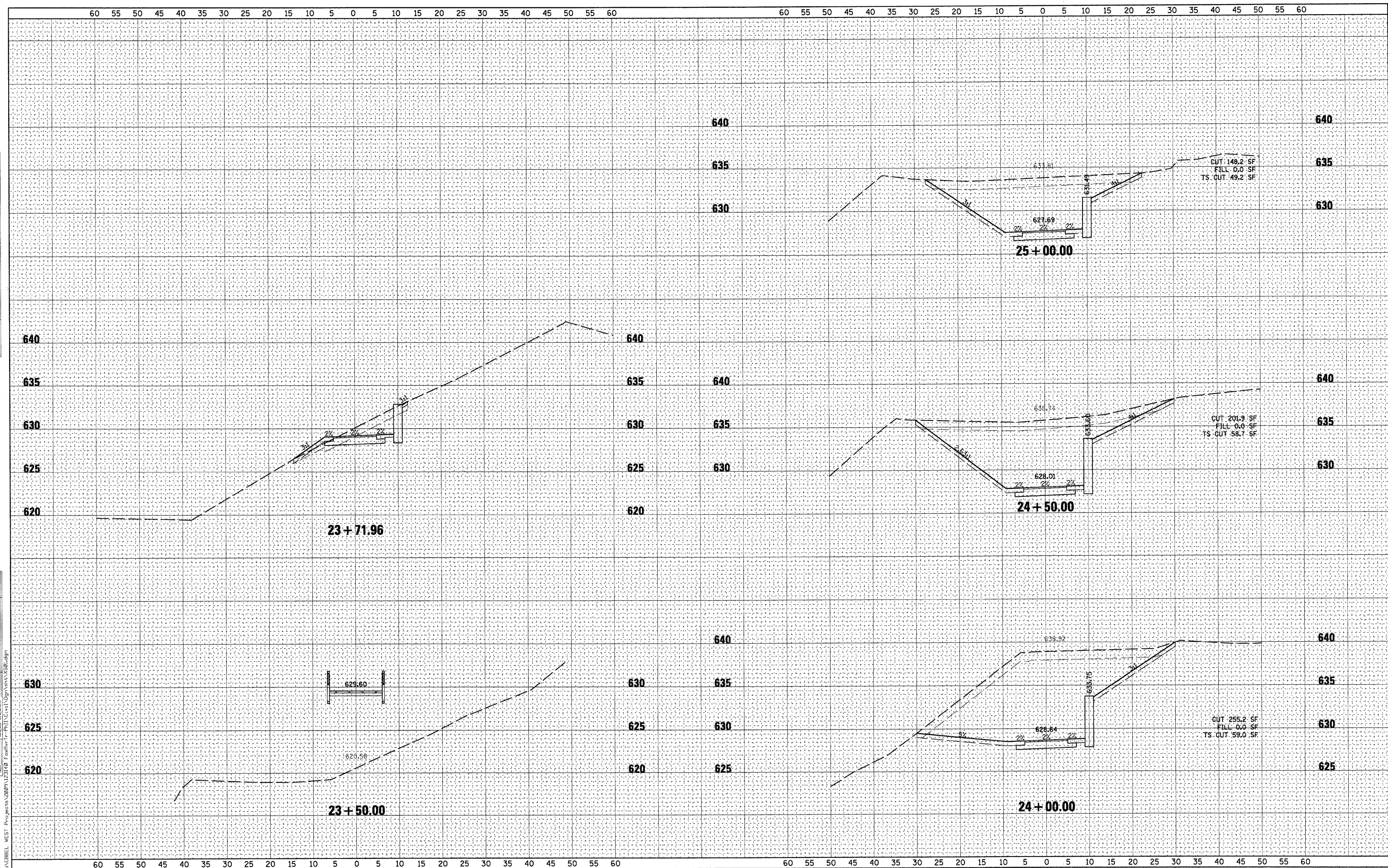
CROSS SECTIONS

SCALE: AS SHOWN SHEET NO. OF 58 SHEETS STA. 19+50.00 TO STA. 21+50.00

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CONTRACT NO.63517				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

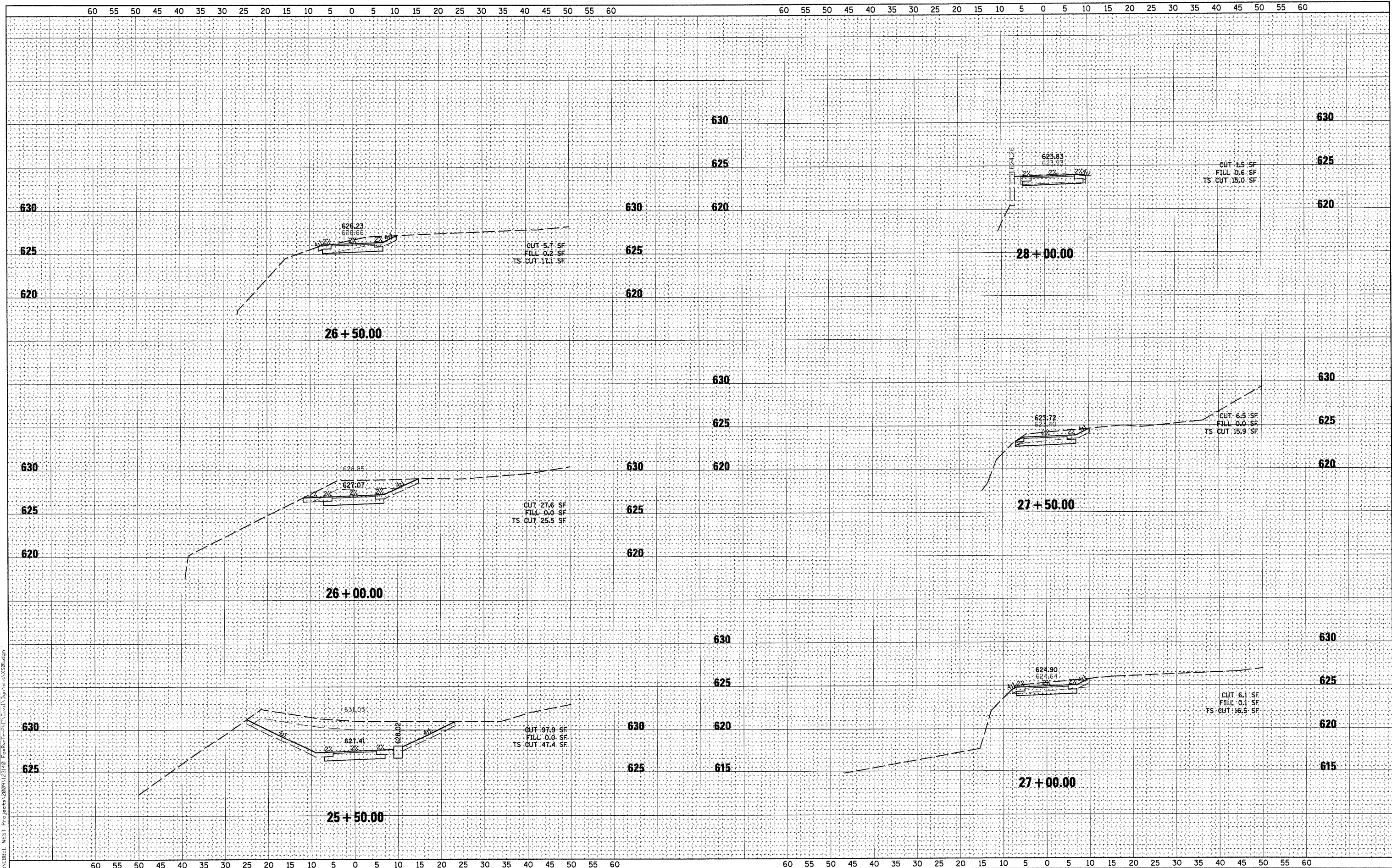
CROSS SECTIONS

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CONTRACT NO.63517				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

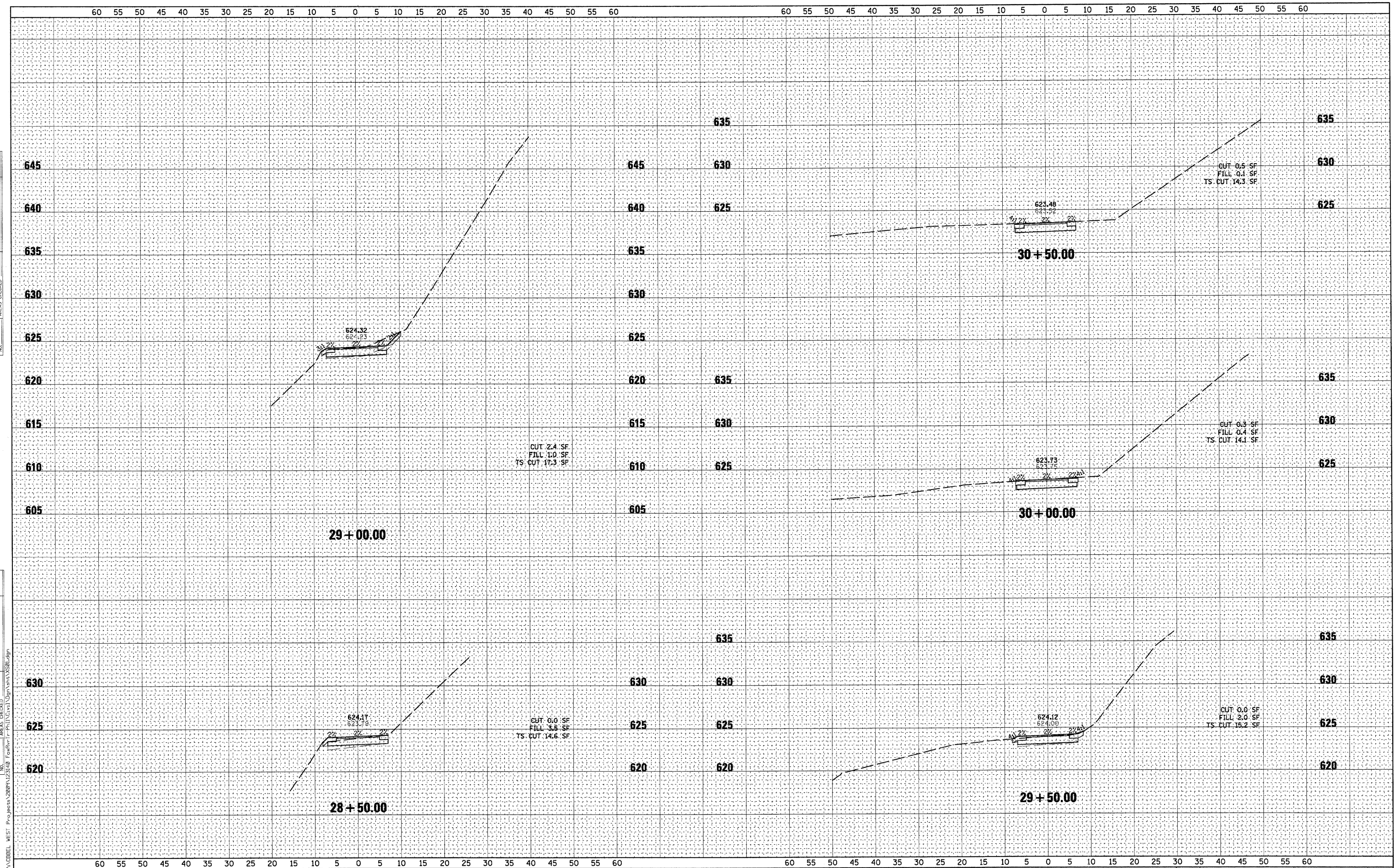
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CONTRACT NO. 63517				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

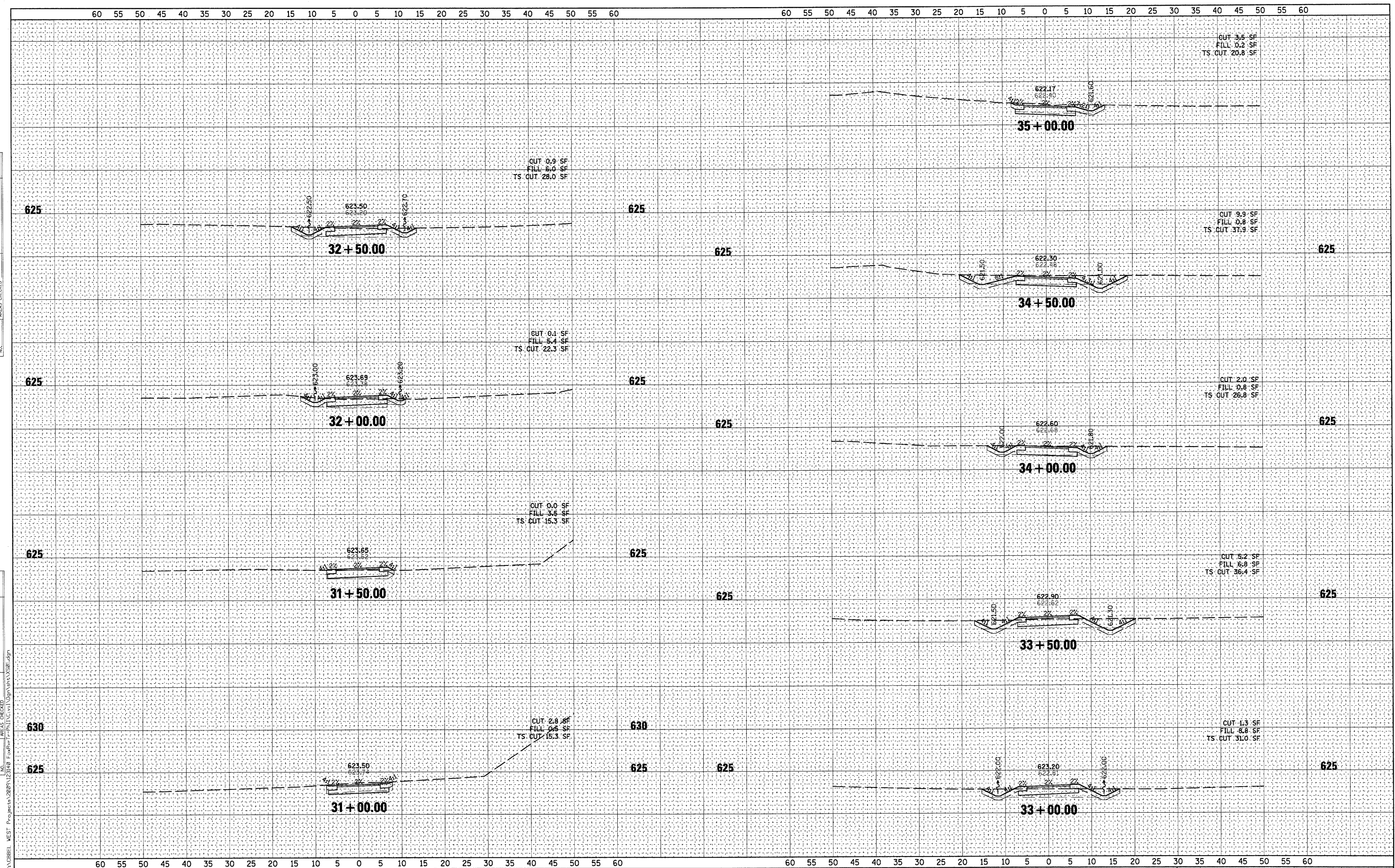
CROSS SECTIONS

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CONTRACT NO. 63517				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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NOTE BOOK	
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AREAS CHECKED	



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St. Charles, Illinois 60174
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

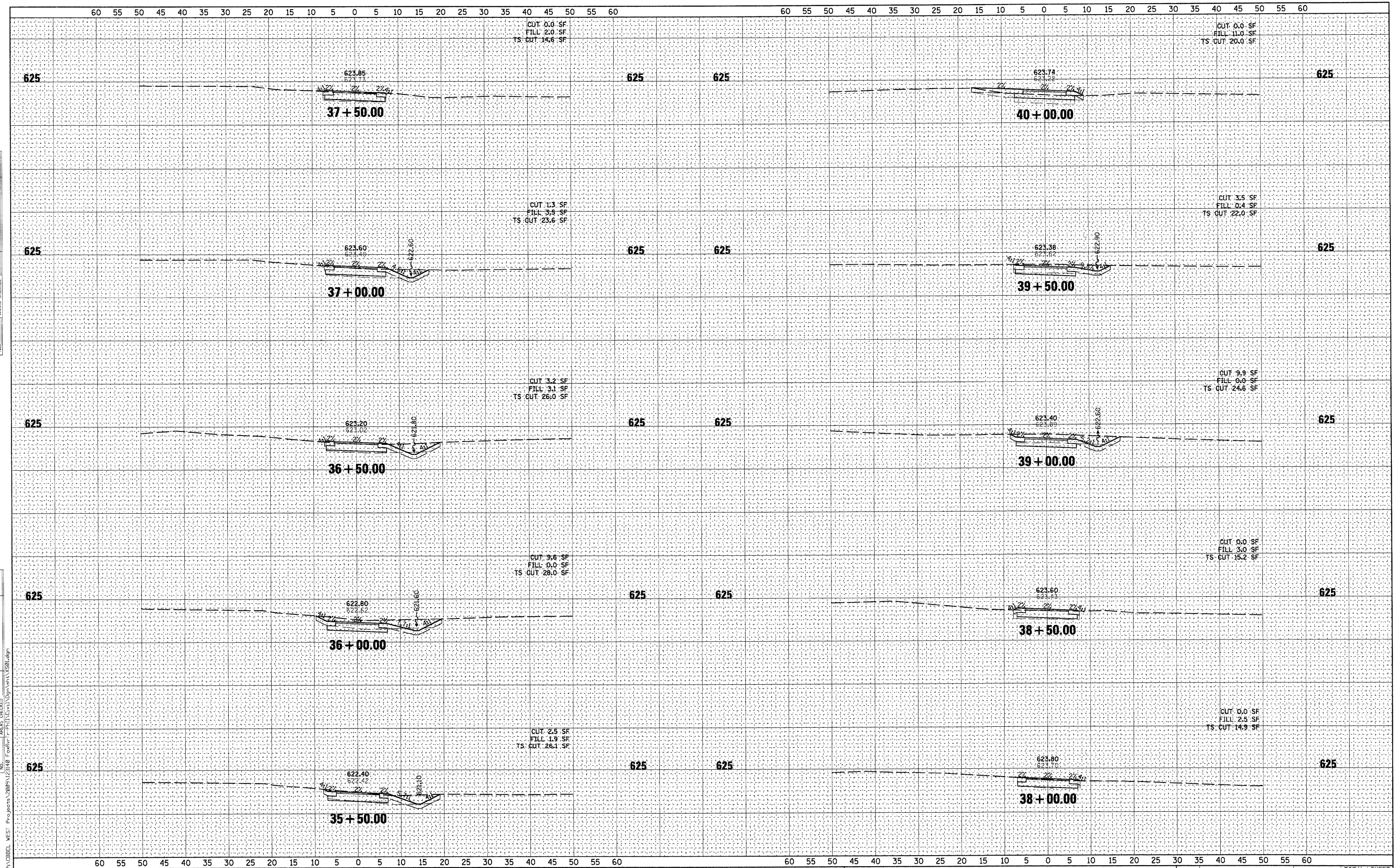
CROSS SECTIONS

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	05-F3000-06-BT	KANE	58	54
CONTRACT NO. 63517				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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 (630) 443-7755

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

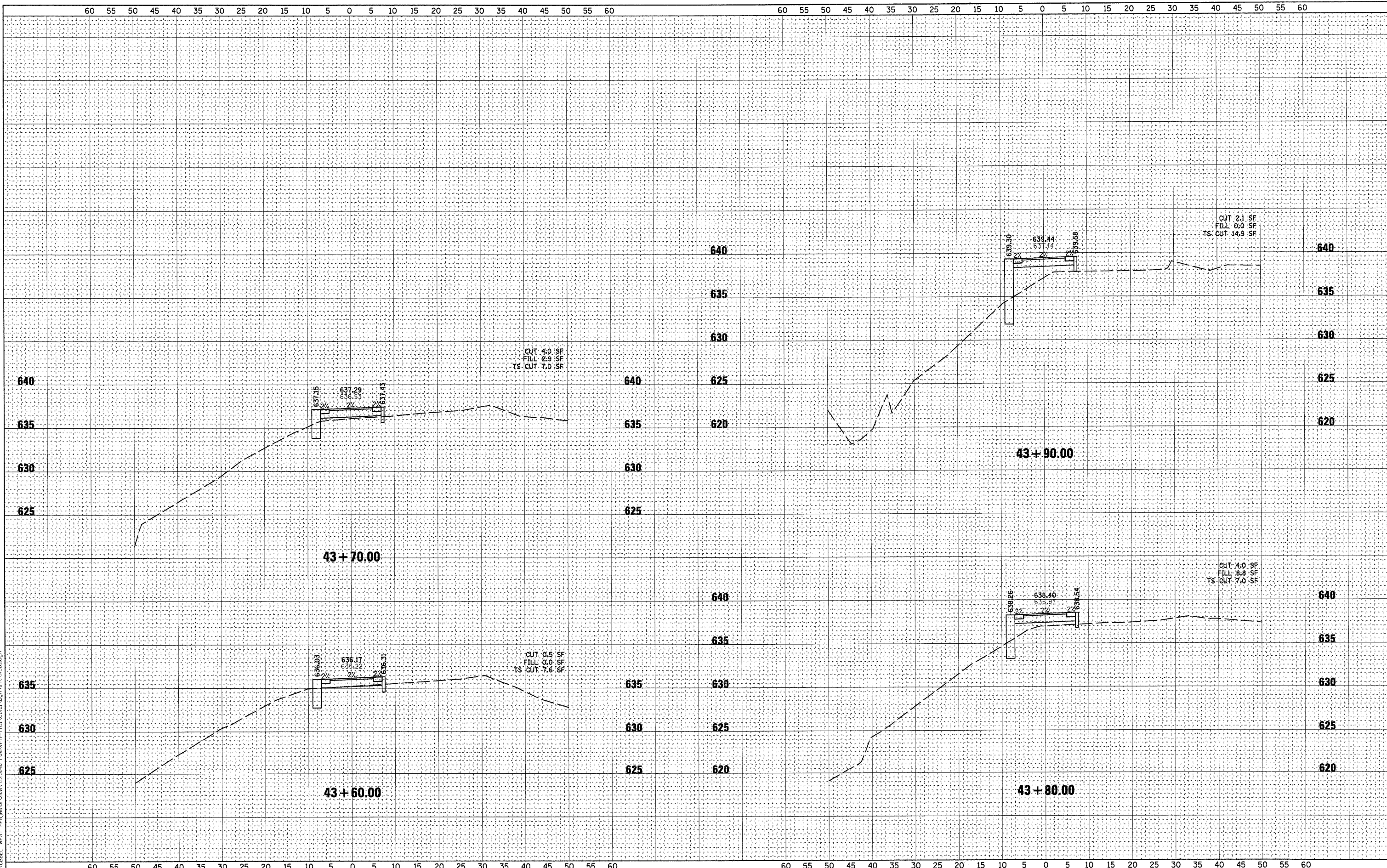
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CONTRACT NO. 63517				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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

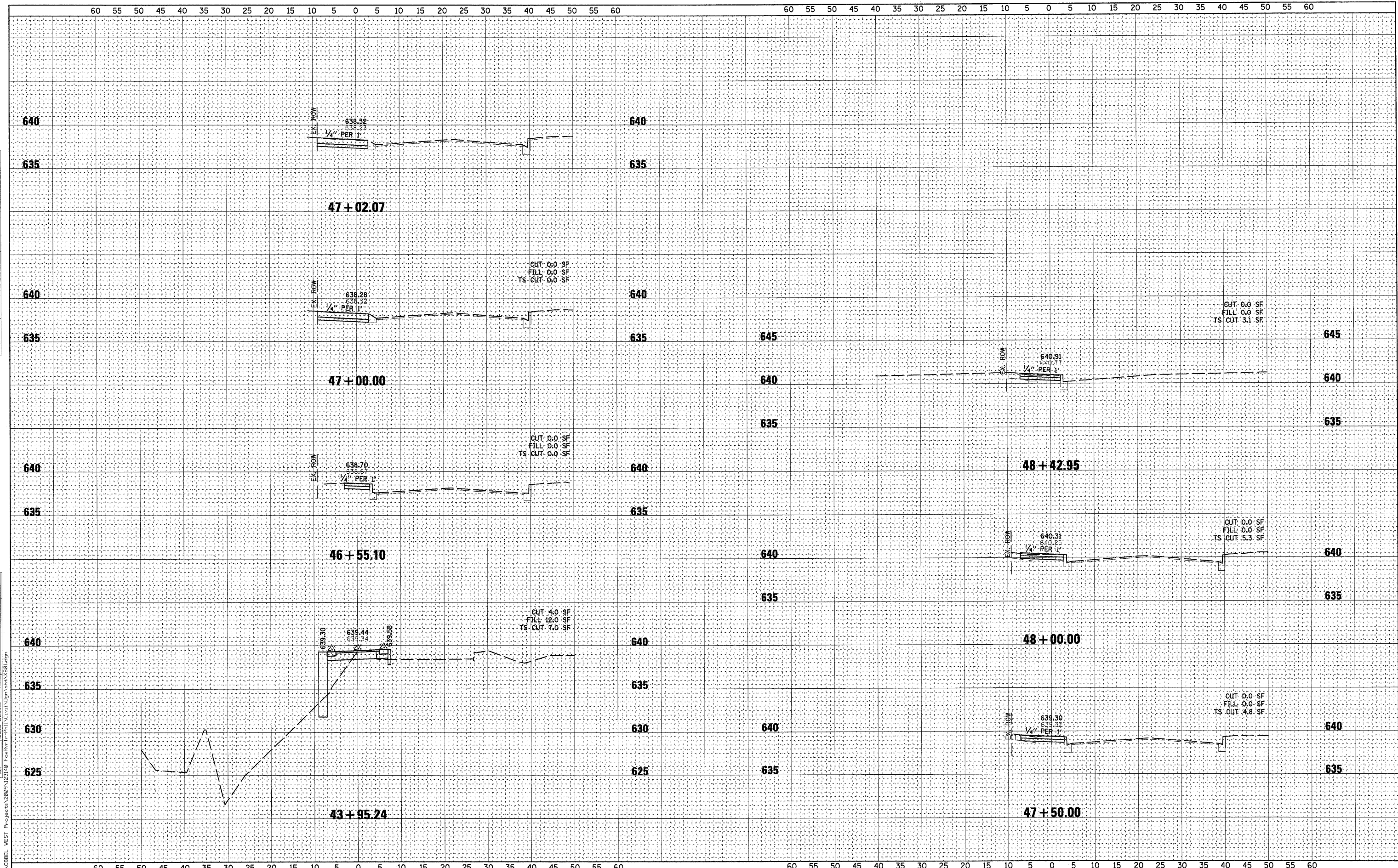
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WILLS BURKE KELSEY ASSOCIATES LTD. 118 West Main Street, Suite 201 St. Charles, Illinois 60174 (630) 443-7755	USER NAME = #USER*	DESIGNED -	REVISED - 10/5/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 12/20/2010	CHECKED -	REVISED -		SHEET NO. OF 58 SHEETS			CONTRACT NO.63517				
		DATE - 12/20/10	REVISED -		STA. 43+60.00 TO STA. 43+90.00			FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT				

DATE	
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NOTE BOOK	
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ORIGINAL SURVEY PLOTTED	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
SCALE: AS SHOWN	SHEET NO.	OF 58 SHEETS	STA. 43+95.24 TO STA. 43+95.24

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-F3000-06-BT	KANE	58	58
CONTRACT NO.63517				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			