

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	1
		ILLINOIS	CONTRACT NO.	

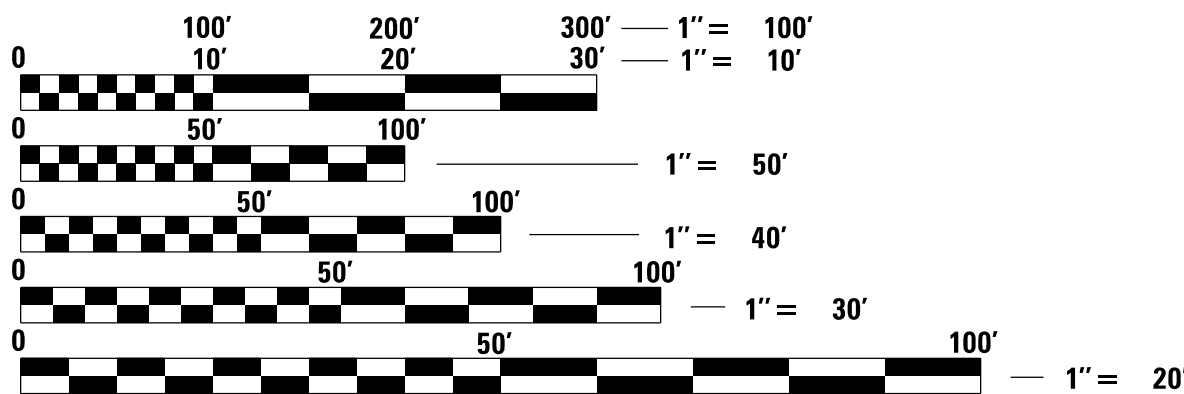
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN KANE COUNTY

TRAFFIC DATA

2008 ADT = 5,600
2030 ADT = 10,000
DESIGN SPEED: 55 MPH
DESIGN DESIGNATION:
MINOR ARTERIAL (URBAN)

F.A.U. 1542 (JERICHO ROAD)
OVER BLACKBERRY CREEK
BRIDGE REPLACEMENT
SECTION 04-00329-00-BR
PROJECT BRM-8003(839)
SUGAR GROVE TOWNSHIP
KANE COUNTY
JOB NO. C-91-339-07

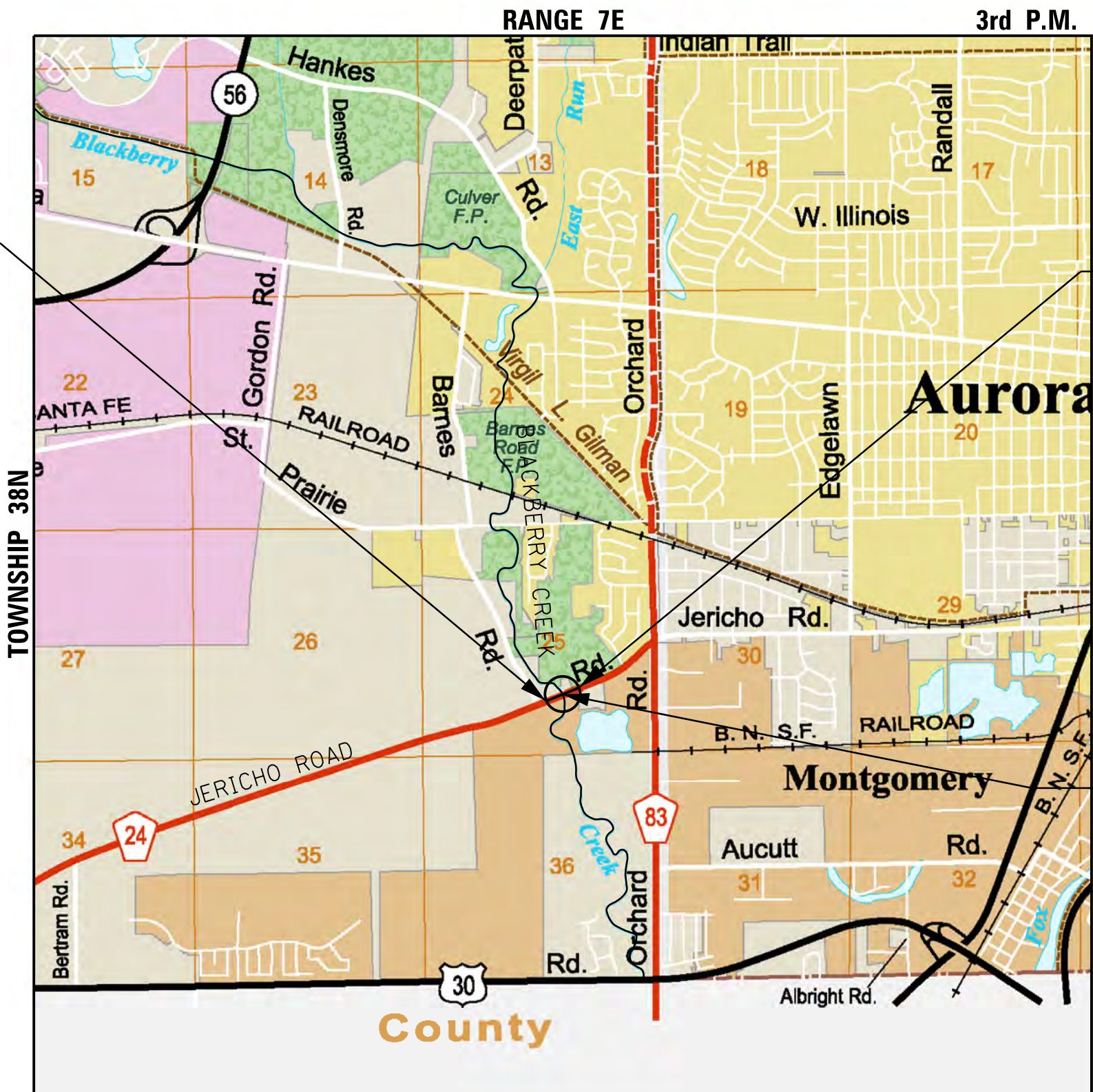


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT BEGINS
STA. 170 + 85.00

PROJECT ENDS
STA. 180 + 00.00



EX. STRUCTURE NO. 045-3010
PR. STRUCTURE NO. 045-3190

SUGAR GROVE TOWNSHIP
PROJECT NET AND GROSS LENGTH = 915 FT (0.17 MILE)
PROJECT LOCATED IN:
SECTION 25 IN TOWNSHIP 38N, RANGE 7E, OF THE THIRD PRINCIPAL MERIDIAN,
KANE COUNTY, ILLINOIS

20

PAUL J. FITPATRICK
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-047637
EXPIRATION DATE 11-30-2013



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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, 2012 THEREINAFTER REFERRED TO AS STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM MANUAL TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" IN EFFECT ON THE DATE OF INVITATION FOR BIDS; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" LATEST EDITION; INTERIM SPECIAL PROVISIONS AS INCLUDED IN THE CONTRACT DOCUMENTS; AND THE DETAILS AND STANDARDS CONTAINED IN THESE PLANS.
2. BEFORE STARTING ANY EXCAVATIONS, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
3. THE LOCATIONS OF THE EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, REPRESENT DATA RECEIVED FROM VARIOUS SOURCES, IT IS NOT GUARANTEED TO BE CORRECT OR ALL INCLUSIVE. THE CONTRACTOR SHALL CONDUCT HIS OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OF ANY AND ALL EXISTING UTILITIES WHICH MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST IN ACCORDANCE WITH ARTICLE 105.07.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
5. ALL WORK SHALL BE COMPLETED WITHIN THE LIMITS OF THE PROJECT SHOWN. NO EQUIPMENT, MATERIALS OR A YARD OR FIELD OFFICE SHALL BE SET UP OR STORED ON TOWNSHIP OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
6. 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.
7. 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.
8. 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.

DRAINAGE NOTES

1. DURING CONSTRUCTION OPERATIONS ALL LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES AND TEMPORARY DITCHES THAT OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS. ALL DRAINAGE STRUCTURES SHALL BE CLEANED AS NECESSARY TO INSURE THAT THEY ARE FREE FROM ALL DIRT AND DEBRIS PRIOR TO THE FINAL INSPECTION OF THE PROJECT. THIS WORK WILL NOT BE MEASURED SEPERATELY FOR PAYMENT, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.
2. ANY FARM DRAIN, FIELD TILE SYSTEM OR OTHER UNDERGROUND TILE FACILITY ENCOUNTERED IN THE WORK SHALL BE LOCATED AND STAKED AND REPORTED TO THE RESIDENT ENGINEER. ANY DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN ITS ORIGINAL ALIGNMENT. IF THIS CANNOT BE ACCOMPLISHED, THE TILE SHALL BE REPAIRED AND CONNECTED TO THE PROPOSED STORM SEWER SYSTEM IN SUCH A MANNER AS TO RENDER THE LINES USABLE FOR THE PURPOSES INTENDED. THE WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIAL PROVISION "DRAIN TILE REPAIR".
3. THE COST OF RESHAPING PROPOSED AND EXISTING DITCHES (IF REQUIRED) SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION PER ARTICLE 202.06.

KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT NOTES

1. THE CONTRACTOR AND ENGINEER SHALL MEET WITH THE KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT TO COORDINATE ALL IN-STREAM WORK ACTIVITIES.
2. THE CONTRACTOR'S IN-STREAM WORK PLAN SHALL BE SUBMITTED TO THE SOIL & WATER CONSERVATION DISTRICT AND KANE COUNTY FOR REVIEW AND APPROVAL PRIOR TO STARTING ANY WORK. THERE WILL NO ADDITIONAL COMPENSATION FOR THIS PROVIDING THE PLAN AND COORDINATION.
3. SEE ERSOION CONTROL PLAN SHEETS FOR ADDITIONAL DETAILS, CONDITONS AND NOTES.

PRESERVATION OF TREES AND SHRUBS

1. THE CONTRACTOR SHALL REMOVE ONLY THOSE TREES AND SHRUBS SO DESIGNATED BY THE ENGINEER, OR THOSE, WHICH DIRECTLY INTERFERE WITH THE SAFETY OR QUALITY OF CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN WORKING NEAR EXISTING TREES AND SHRUBS TO AVOID DAMAGING THOSE NOT SCHEDULED FOR REMOVAL, AND SHALL REPLACE ANY DAMAGED PLANTS AT HIS OWN EXPENSE.

EARTHWORK AND ROADWAY

1. EARTHWORK 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 OF EARTH EXCAVATION.
2. ALL AGGREGATE AND BITUMINOUS BASE COURSES SHALL BE PRIMED. THIS WORK SHALL CONFORM TO THE APPROPRIATE ARTICLES OF SECTION 406 OF THE STANDARD SPECIFICATIONS. THE PRIME COAT FOR AGGREGATE SURFACES SHALL BE MC-30 APPLIED AT A RATE OF 0.30 GALLONS PER SQUARE YARD AND SS-1 APPLIED AT THE RATE OF 0.10 GALLONS PER SQUARE YARD FOR HMA BASES. WHEN THE PRIMED AREA IS TO BE OPEN TO TRAFFIC, A FINE AGGREGATE SHALL BE PLACED IMMEDIATELY AFTER THE PRIME COAT HAS BEEN APPLIED. THE FINE AGGREGATE SHALL CONFORM TO ARTICLES 406.06 OF THE STANDARD SPECIFICATIONS. THESE ITEMS WILL BE PAID FOR SEPARATELY AS BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT).
3. GEOTECHNICAL FABRIC FOR 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 SUBGRADE. THE QUANTITY INCLUDED IN THE PLANS IS BASED ON THE SUBSURFACE INVESTIGATION PREPARED BY TESTING SERVICE CORPORATION RECOMMENDATIONS FOR UNDERCUT AREAS.
4. ALL EXCAVATION AND EMBANKMENT LOCATIONS REQUIRING SEEDING OR SODDING SHALL BE CONSTRUCTED TO 6 INCHES BELOW FINISHED GRADE LINE TO ALLOW TOPSOIL PLACEMENT.
5. PAVEMENT ELEVATIONS: THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES FOR THE PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.
6. THE HORIZONTAL DATUM IS NAD 83 AND THE VERTICAL DATUM IS NAVD 88.

REMOVAL NOTES

1. MAILBOXES: THE WORK REQUIRED FOR THE REMOVAL AND REPLACEMENT OF PERMANENT MAILBOXES IS SPECIFIED IN THE SPECIAL PROVISIONS AND DETAILED IN THE PLANS. IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS, THE WORK WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF MOBILIZATION.
2. MAILBOXES SHALL BE TEMPORARILY MOVED BECAUSE OF CONSTRUCTION OPERATIONS. MAILBOXES MAY HAVE TO BE MOVED MORE THAN ONCE. THE CONTRACTOR SHALL TEMPORARILY PLACE AND SUPPORT THE MAILBOX SO THAT IT IS SUITABLE FOR MAIL DELIVERY. MAINTAINING THE MAILBOX DURING CONSTRUCTION AND PLACING IT IN ITS PERMANENT LOCATION WILL BE CONSIDERED INCLUDED IN THE COST OF MOBILIZATION. IF THE MAILBOX OR SUPPORT IS DAMAGED BY THE CONSTRUCTION OPERATIONS IT WILL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE PROJECT.
3. SAW CUTS: FULL DEPTH SAW CUT IS REQUIRED FOR THE REMOVAL OF PAVEMENT, BUTT JOINTS, PATCHES, DRIVEWAYS, OR ANY OTHER STRUCTURES THAT ARE ALL ON PIECE WITH NO CONSTRUCTION JOINTS THE SAW CUT SHALL BE MADE AT THE LIMITS OF CONSTRUCTION OR OTHER AREAS AS REQUIRED TO PERFORM THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE SAW CUT SHALL BE ACCOMPLISHED WITHA A "PAVEMENT SAW". VERMEER TYPE TRENCHERS WILL NOT BE ALLOWED FOR FINAL SAW CUT AT THE LIMITS OF CONSTRUCTION. THESE SAW CUTS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE BE INCLUDED IN THE COST OF THE APPLICABLE ITEM BEING REMOVED

OWNER OF RECORD

THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. THOSE SEEKING HISTORIC, AS-BUILT OR OTHER EXISTING DOCUMENTS AND PLANS MUST CONTACT THE OWNER OF RECORD TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION.

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HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-06	TEMPORARY EROSION CONTROL SYSTEMS
420401-08	BRIDGE APPROACH PAVEMENT CONNECTOR
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
542101-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 36" (900 MM) DIA. AT RIGHT ANGLES WITH ROADWAY
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
630001-10	STEEL PLATE BEAM GUARDRAIL
630101-09	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630106	LONG-SPAN GUARDRAIL OVER CULVERT
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631032-07	TRAFFIC BARRIER TERMIAL, TYPE 6A
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
BLR 26-3	STEEL PLATE BEAM GUARDRAIL 29" HEIGHT

DISTRICT STANDARDS

STANDARD NO.	DESCRIPTION
BD-32	BUTT JOINTS AND HMA TAPER
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN (DISTRICT 1)

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<div><div>WBK</div><div>WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174</div></div>	USER NAME = nparris	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, INDEX OF SHEETS & STANDARDS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:20	CHECKED	REVISED -						1542	04-00329-00-BR	KANE	86	2
	PLOT DATE = 7/9/2013	DATE	REVISED -		CONTRACT NO.								
	SCALE:		SHEET NO. 1 OF 1 SHEETS			STA.		TO STA.					
								ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FEDERAL 20% STATE			
						ROADWAY 0004 URBAN	BRIDGE 0011 URBAN	TRAINEES 0042 URBAN	NON- PARTICIPATING 100% LOCAL
		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	597	597			
		20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	686	686			
		20101100	TREE TRUNK PROTECTION	EACH	17	17			
	S	20200100	EARTH EXCAVATION	CU YD	3,025	3,025			
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	835	835			
		20300100	CHANNEL EXCAVATION	CU YD	610	610			
		20800150	TRENCH BACKFILL	CU YD	12	12			
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,670	1,670			
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1,305	1,305			
		21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	3,000	3,000			
		21101665	TOPSOIL FURNISH AND PLACE, 18"	SQ YD	41	41			
*		25000100	SEEDING, CLASS 1	ACRE	0.5	0.5			
*		25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75			
*		25000310	SEEDING, CLASS 4	ACRE	0.75	0.75			
*		25000312	SEEDING, CLASS 4A	ACRE	0.25	0.25			
*		25000320	SEEDING, CLASS 5	ACRE	0.5	0.5			
*		25000324	SEEDING, CLASS 5B	ACRE	0.25	0.25			
*		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	177	177			
*		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	176	176			
*		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	176	176			
*		25100630	EROSION CONTROL BLANKET	SQ YD	9,591	9,591			
*		25200200	SUPPLEMENTAL WATERING	UNIT	100	100			
*		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	393	393			
*		28000305	TEMPORARY DITCH CHECKS	FOOT	360	360			
		28000315	AGGREGATE DITCH CHECKS	TON	3	3			
*		28000400	PERIMETER EROSION BARRIER	FOOT	2,543	2,543			
		28000500	INLET AND PIPE PROTECTION	EACH	2	2			
		28100105	STONE RIPRAP, CLASS A3	SQ YD	5	5			
*		28100107	STONE RIPRAP, CLASS A4	SQ YD	869		869		
		28200200	FILTER FABRIC	SQ YD	874	5	869		
	S	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	835	835			
	S	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	4,645	4,645			

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SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FEDERAL 20% STATE			
						ROADWAY 0004 URBAN	BRIDGE 0011 URBAN	TRAINEES 0042 URBAN	NON- PARTICIPATING 100% LOCAL
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	133	133			
		31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	56	56			
		35102200	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	767	767			
		40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	11	11			
		40600300	AGGREGATE (PRIME COAT)	TON	14	14			
		40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.O, N50	TON	1,735	1,735			
		40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	15	15			
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	555	555			
		42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	122	122			
		44000100	PAVEMENT REMOVAL	SQ YD	2,876	2,876			
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	788	788			
		48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	10	10			
		48203013	HOT-MIX ASPHALT SHOULDERS, 4"	SQ YD	15	15			
		48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	852	852			
		50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1		
		50105220	PIPE CULVERT REMOVAL	FOOT	99	99			
		50200100	STRUCTURE EXCAVATION	CU YD	186		186		
		50200300	COFFERDAM EXCAVATION	CU YD	163		163		
		50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1		1		
		50300225	CONCRETE STRUCTURES	CU YD	187.3		187.3		
		50300255	CONCRETE SUPERSTRUCTURE	CU YD	175.8		175.8		
		50300260	BRIDGE DECK GROOVING	SQ YD	993.7		993.7		
		50300265	SEAL COAT CONCRETE	CU YD	95		95		
		50300280	CONCRETE ENCASEMENT	CU YD	8.4		8.4		
		50300300	PROTECTIVE COAT	SQ YD	1,792.9		1,792.9		
		50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	6,277		6,277		
		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	72,480		72,480		
		51201600	FURNISHING STEEL PILES HP12X53	FOOT	996		996		
		51202305	DRIVING PILES	FOOT	996		996		
		51203600	TEST PILE STEEL HP12X53	EACH	2		2		
		51204650	PILE SHOES	EACH	36		36		
		51500100	NAME PLATES	EACH	1		1		

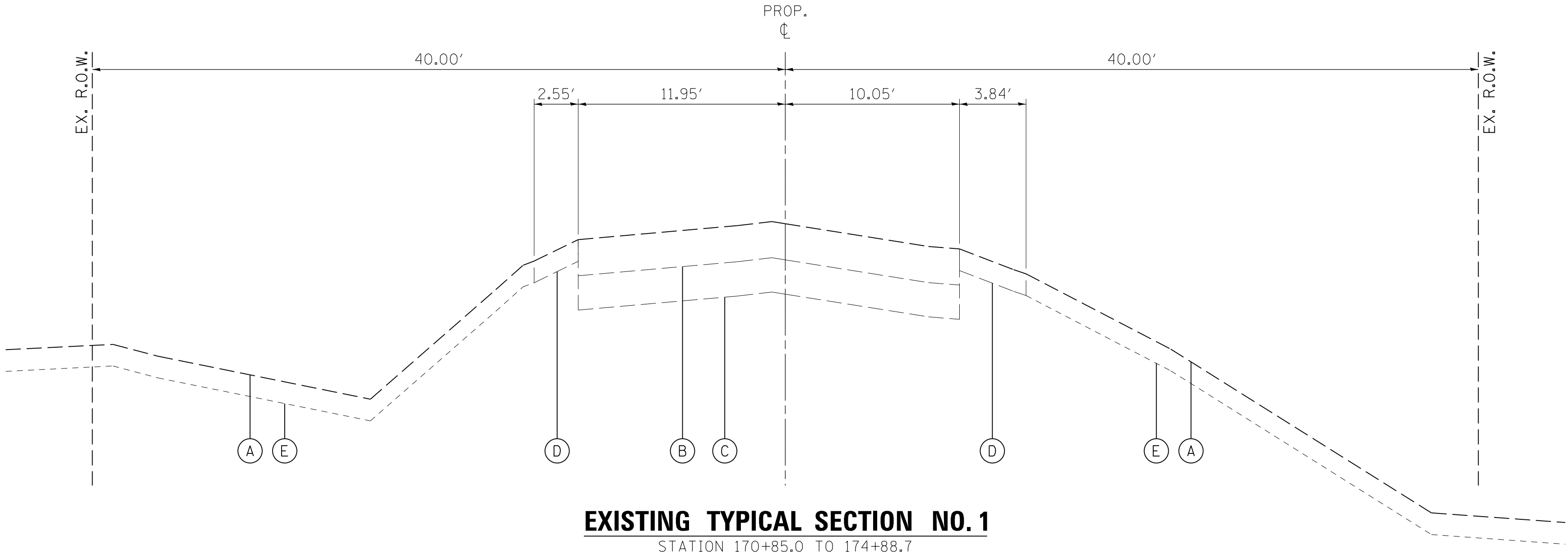
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SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FEDERAL 20% STATE			
						ROADWAY	BRIDGE	TRAINEES	NON-
						0004 URBAN	0011 URBAN	0042 URBAN	PARTICIPATING 100% LOCAL
		54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1			
		550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	67	67			
*	S	56100600	WATER MAIN 6"	FOOT	10				10
*	S	56100900	WATER MAIN 12"	FOOT	184				184
*	S	56101000	WATER MAIN 16"	FOOT	729				729
*	S	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	3				3
*	S	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	3				3
		59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	78.4		78.4		
		60107600	PIPE UNDERDRAINS 4"	FOOT	100	100			
*		60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1			
*		60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3				3
		60600605	CONCRETE CURB, TYPE B	FOOT	105	105			
*		63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	175	175			
*		63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4			
*		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3			
		63200310	GUARDRAIL REMOVAL	FOOT	208	208			
		67100100	MOBILIZATION	L SUM	1	1			
		70106800	CHANGEABLE MESSAGE SIGN	CAL MO	10	10			
		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	19	19			
*	S	78009000	MODIFIED URETHANE PAVEMENT MARKING $\frac{1}{64}$ " $\frac{1}{64}$ " LETTERS AND SYMBOLS	SQ FT	73	73			
*	S	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	4,620	4,620			
*	S	78009008	MODIFIED URETHANE PAVEMENT MARKING $\frac{1}{64}$ " $\frac{1}{64}$ " LINE 8"	FOOT	309	309			
*	S	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	61	61			
*	S	78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	36.8	36.8			
*	S	78200410	GUARDRAIL MARKERS, TYPE A	EACH	6	6			
*		78200530	BARRIER WALL MARKERS, TYPE C	EACH	4	4			
*		78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4			
*		A2001724	TREE, ACER SACCHARUM (SUGAR MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
*		A2005030	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 4" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
*		A2005670	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	2	2			
*		A2006420	TREE, QUERCUS ALBA (WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
*		A2006726	TREE, QUERCUS MACROCARPA (BUR OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	2	2			

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SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
						80% FEDERAL 20% STATE			
						ROADWAY	BRIDGE	TRAINEES	NON-
						0004 URBAN	0011 URBAN	0042 URBAN	PARTICIPATING 100% LOCAL
*		B2000668	TREE, AMELANCHIER X GRANDIFLORA (APPLE SERVICEBERRY), 7' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	2	2			
*		B2004170	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	1	1			
	S	X0300249	REMOVE EXISTING GATE	EACH	2	2			
	S	X0323697	RUSTIC RAIL FENCE REMOVAL	FOOT	342	342			
	S	X0325003	REMOVE EXISTING VALVE AND VAULT	EACH	2				2
	S	X0326806	WASHOUT BASIN	L SUM	1	1			
	S	X0327301	RELOCATE EXISTING MAILBOX	EACH	2	2			
*	S	X0640200	TRAFFIC BARRIER TERMINAL (SPECIAL)	EACH	1	1			
	S	X2090215	SELECT GRANULAR BACKFILL, SPECIAL	CU YD	80				80
	S	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100			
	S	X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	698		698		
*	S	X5610662	WATER MAIN TO BE ABANDONED, 12"	FOOT	751				751
*	S	X5610666	WATER MAIN TO BE ABANDONED, 16"	FOOT	712				712
	S	X5620030	WATER SERVICE CONNECTION 1"	EACH	1				1
*	S	X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	2				2
*	S	X5630716	CONNECTION TO EXISTING WATER MAIN 16"	EACH	5				5
	S	X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	95		95		
*	S	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
*	S	XX003032	GATE VALVES, 12"	EACH	1				1
	S	XX005896	CONCRETE PAD REMOVAL	SQ FT	62	62			
*	S	XX006345	TURBIDITY BARRIER	FOOT	269	269			
	S	XX007562	SIGN REMOVAL, SPECIAL	L SUM	1	1			
*	S	XX007682	GATE VALVES, 16"	EACH	1				1
*	S	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
	S	Z0022810	FENCE REMOVAL (SPECIAL)	FOOT	139	139			
*	S	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	21.25	21.25			
*	S	Z0041900	POLYETHYLENE ENCASEMENT	FOOT	1,332				1,332
	S	Z0045400	PRESSURE CONNECTION 16" X 16"	EACH	1				1
	S	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	178		178		
*	S	Z0055900	RUSTIC WOOD POST AND RAIL FENCE	FOOT	537	537			
	S	Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	689	689			
	S	Z0076600	TRAINEES	HOOR	500			500	
*	S		SEEDING, CLASS 4 MODIFIED (SHADED STREAMBANK)	ACRE	0.25	0.25			

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LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 8.9" - 10.4" - TO BE REMOVED (44000100)
- (C) EXISTING AGGREGATE BASE - TO BE REMOVED (INCLUDED IN EARTH EX.)
CORE #2 - 9.5" GRAVEL WITH SAND
CORE #3 - 6.0" GRAVEL WITH SAND
- (D) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX.)
- (E) EXISTING TOPSOIL - TO BE REMOVED (20201200)

EXISTING PAVEMENT NOTES

1. INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE "GEOTECHNICAL SOIL INVESTIGATION" PREPARED BY TESTING SERVICE CORPORATION DATED DECEMBER 4, 2008. SEE ADDITIONAL NOTE BELOW.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE THICKNESS OF THE EXISTING PAVEMENTS TO BE REMOVED AND THE EXTENT TO WHICH IT WAS REINFORCED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF VARIATIONS FROM THE ASSUMED THICKNESS SHOWN ON THE PLANS OR FOR VARIATIONS IN THE AMOUNT OF REINFORCEMENT.

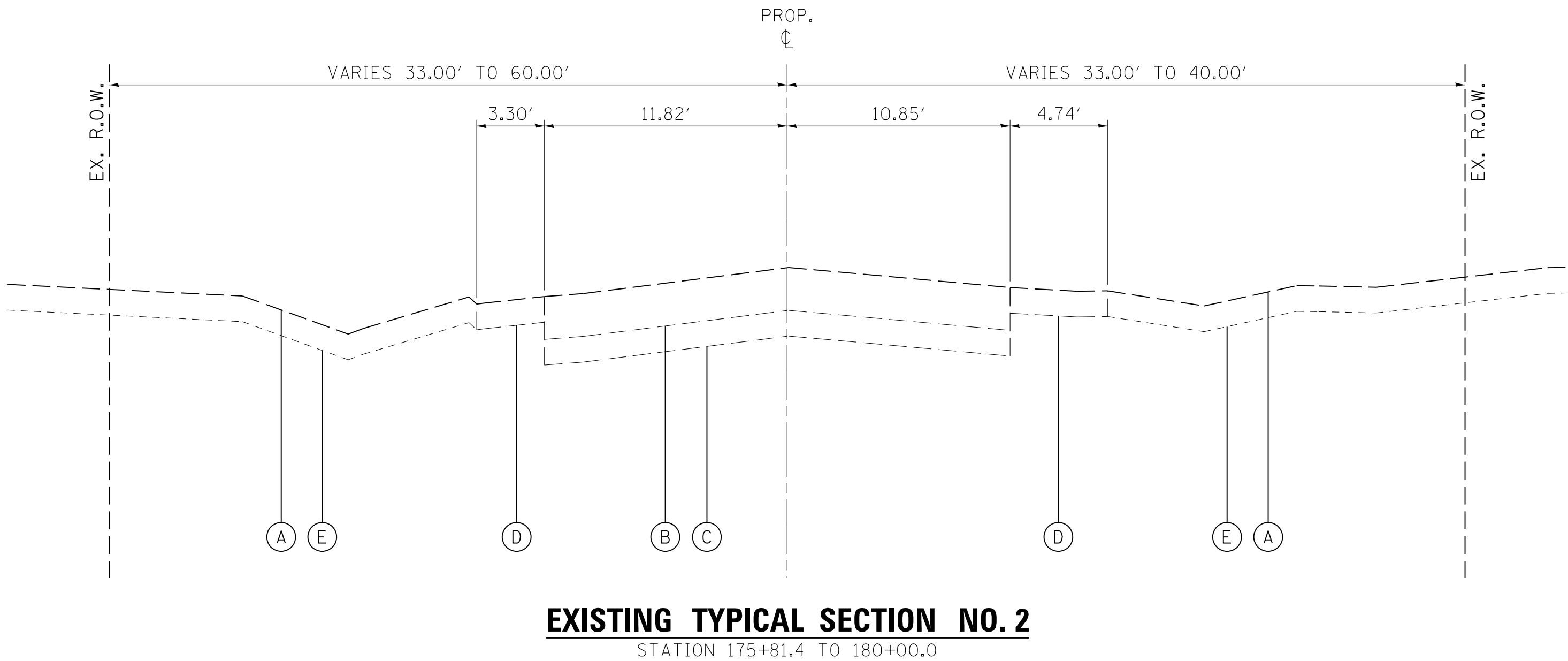
STRUCTURAL PAVEMENT DESIGN

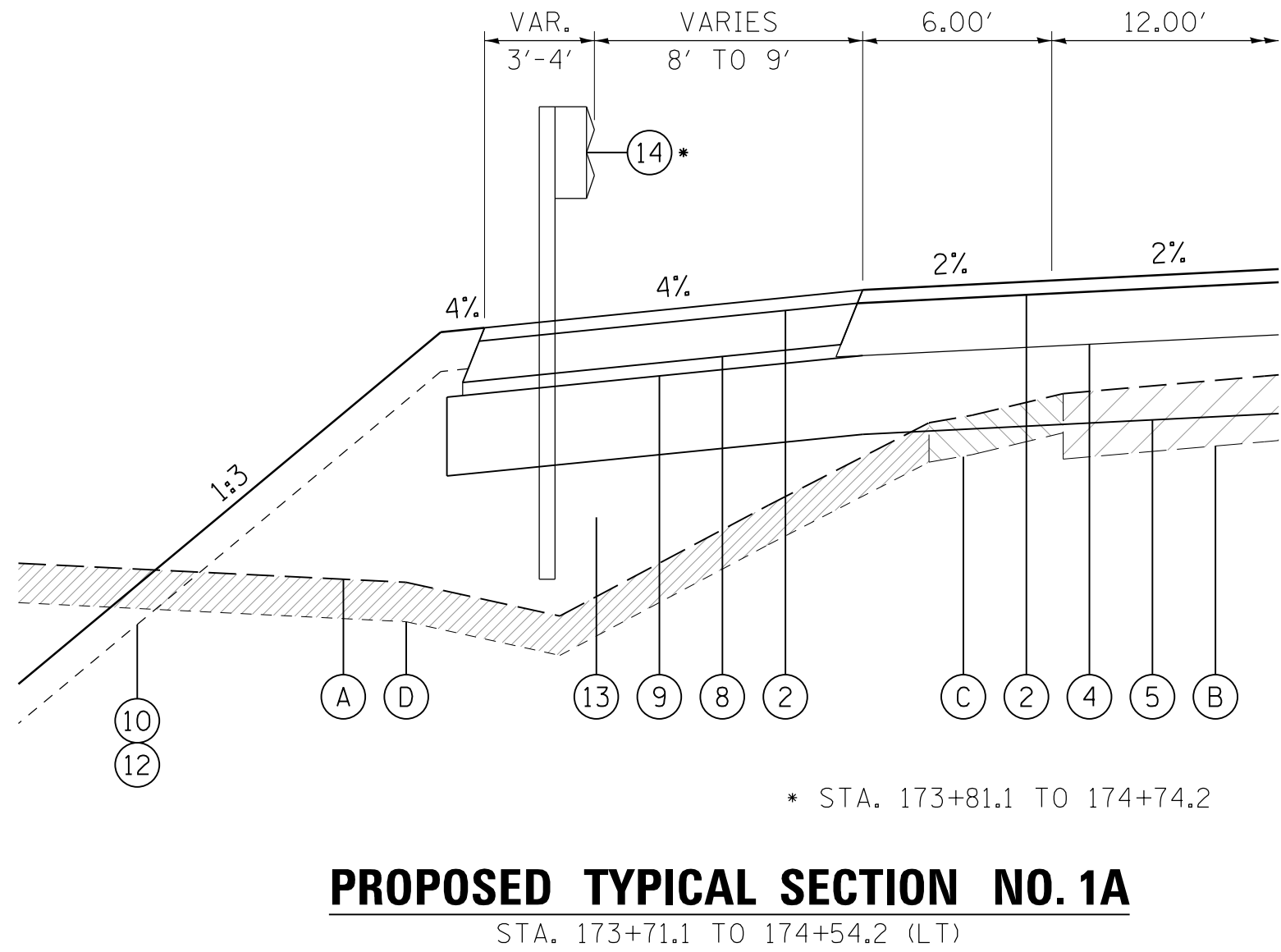
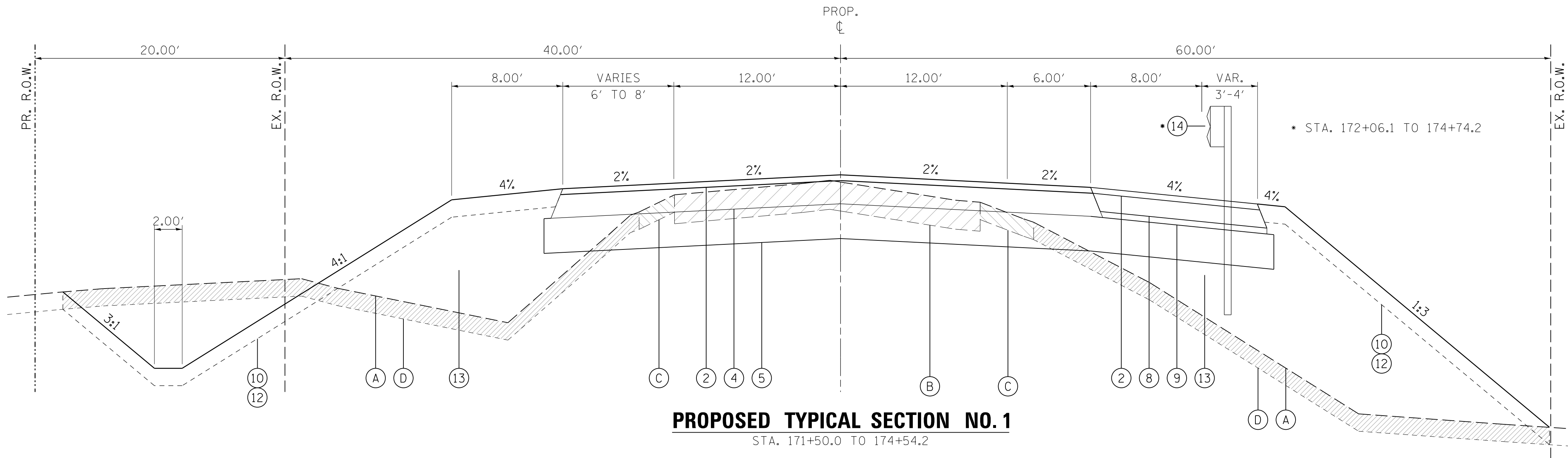
STRUCTURAL DESIGN TRAFFIC: Year 2030
PV = 8342 SU = 86 MU = 172
ROAD/STREET CLASSIFICATION: Class 2
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 97 S = 1 M = 2
TRAFFIC FACTOR: Actual TF = 0.77 AC Type = PG 64-22
Minimum TF = NA
PG GRADE: Binder = PG 64-22 /58-22 Surface = PG 64-22
SUBGRADE SUPPORT RATING: SSR = (POOR)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS @ Ndes
JERICHO ROAD - RECONSTRUCTION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 8" (2 LIFTS)	4% @ 50 GYR.
JERICHO PARK ENTRANCE ROAD- RECONSTRUCTION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 1.5"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 2.5"	4% @ 50 GYR.
JERICHO ROAD - APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	
HOT-MIX ASPHALT BINDER COURSE, IL-19, N50	4% @ 50 GYR.
HMA SHOULDERS	
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm), 6" (4" MAX. LIFTS)	4% @ 50 GYR.
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm), 4" (4" MAX. LIFTS)	4% @ 50 GYR.
DRIVEWAYS- P.E.	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 6" (2 LIFTS)	4% @ 50 GYR.

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





LEGEND, EXISTING

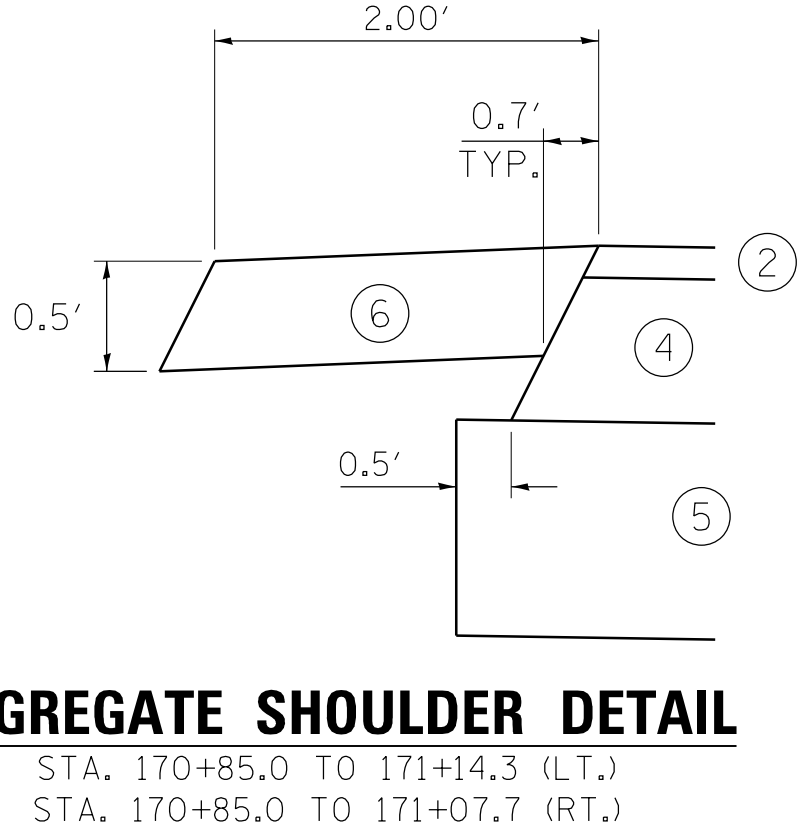
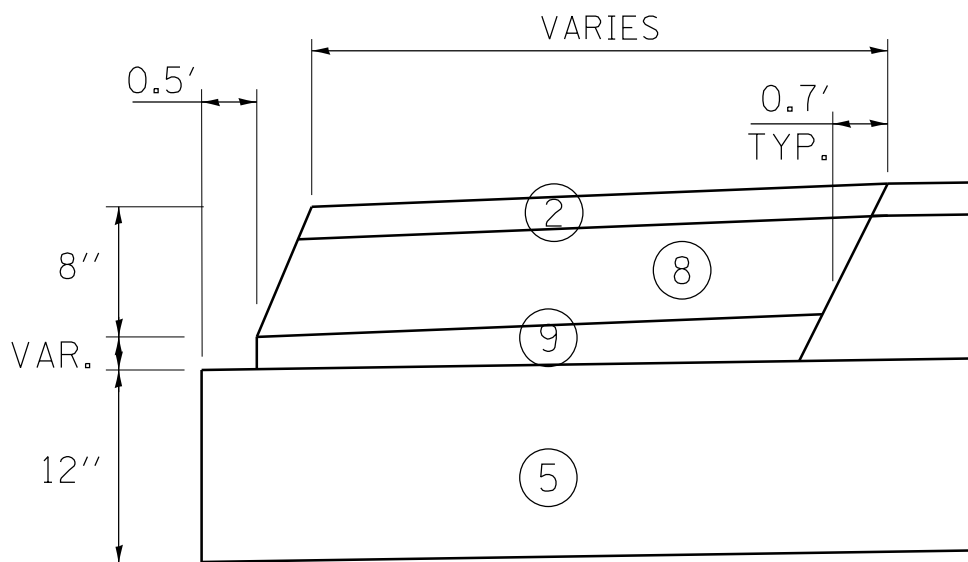
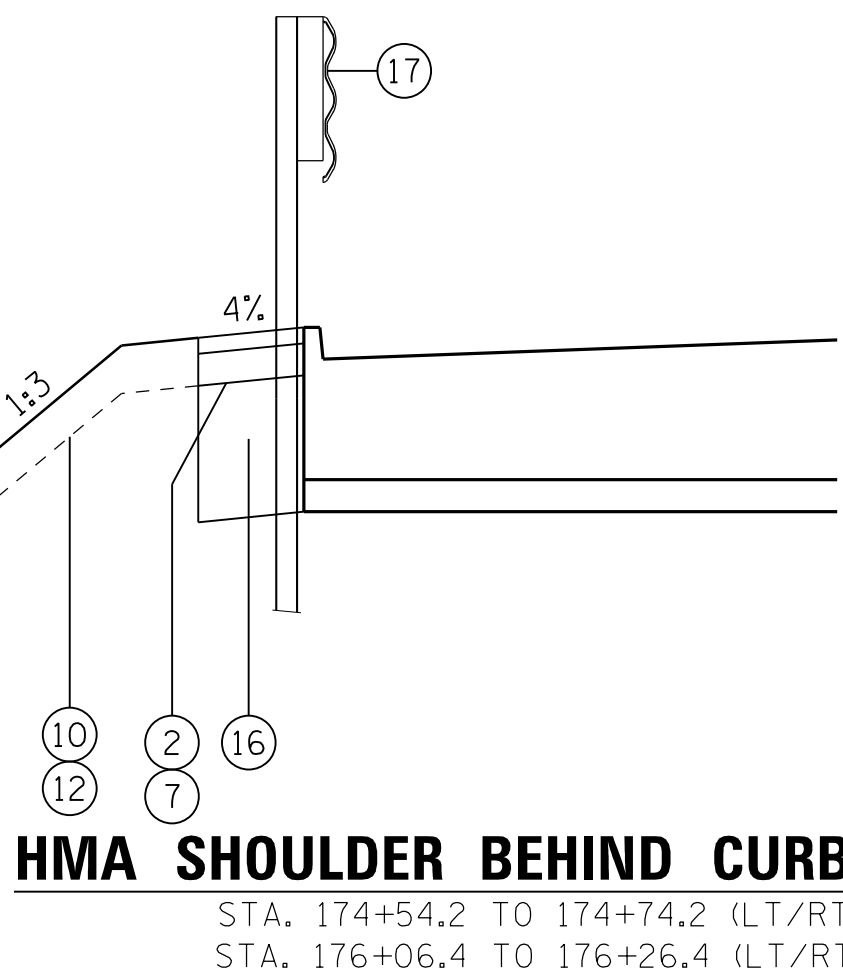
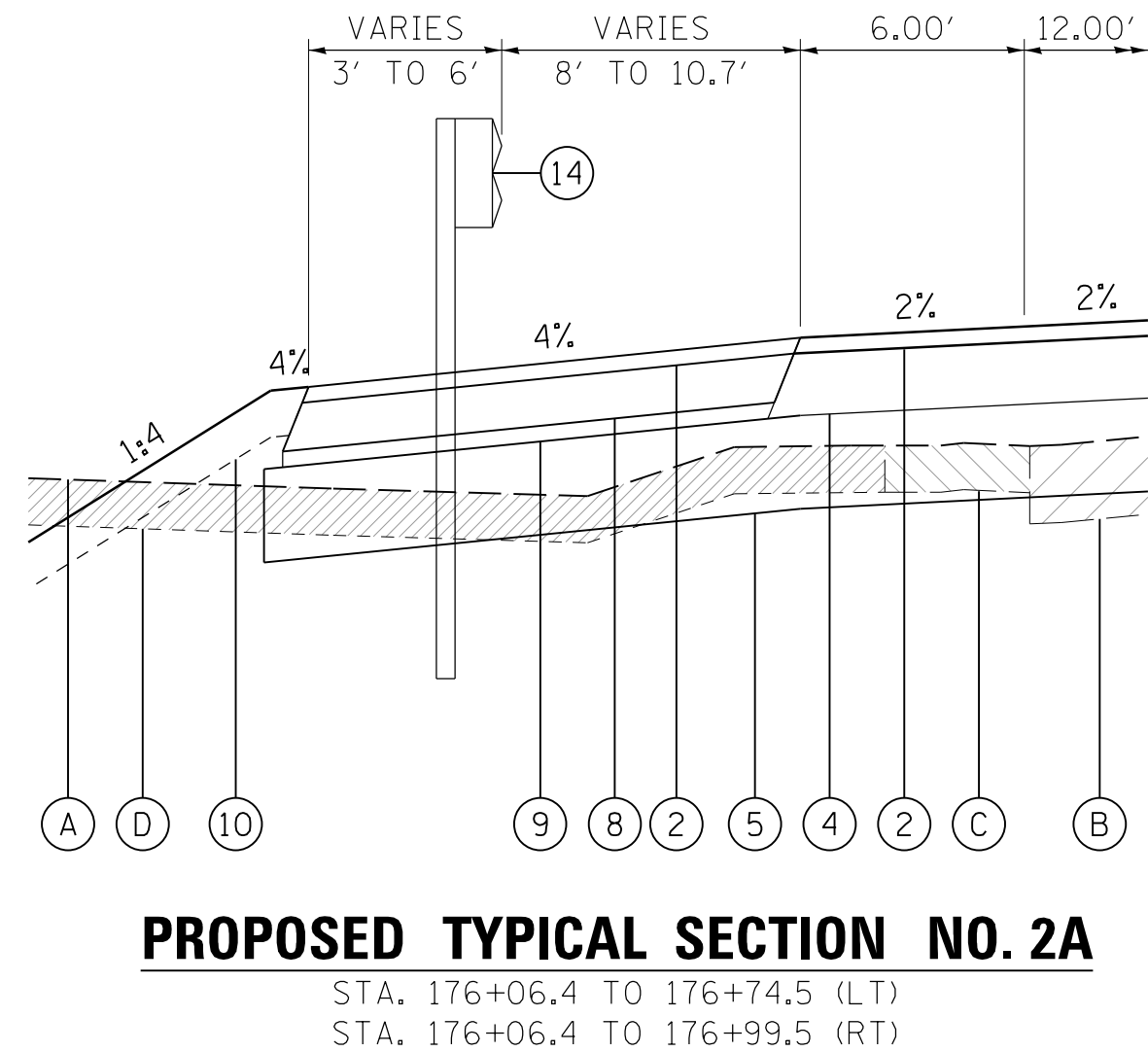
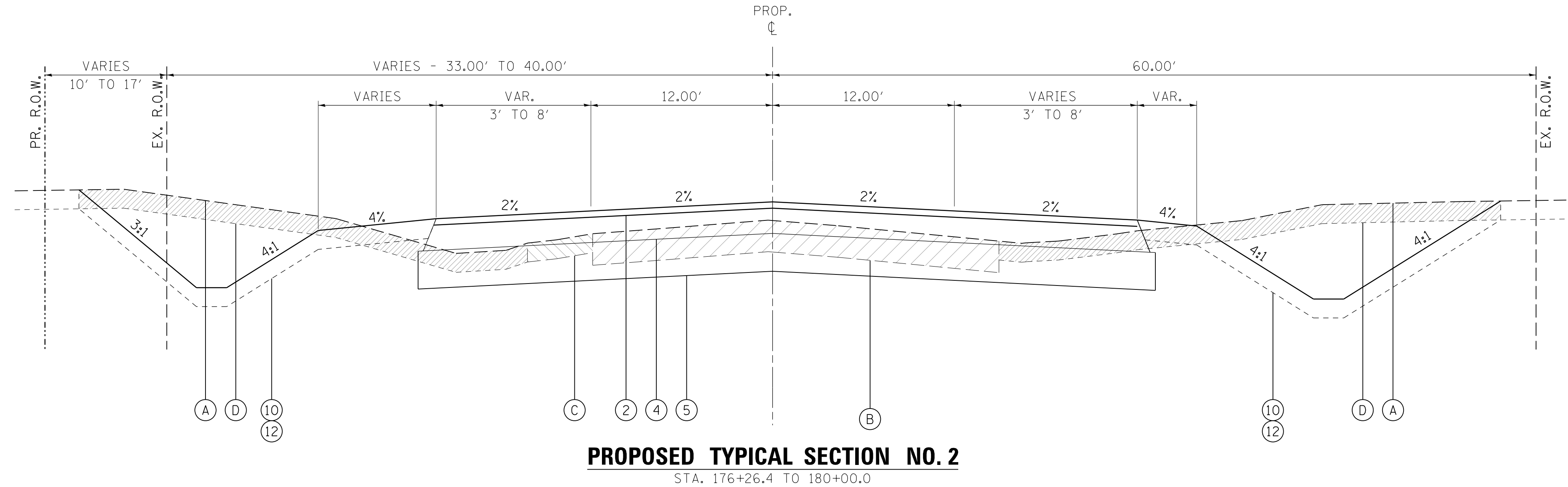
- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 8.9" - 10.4" - TO BE REMOVED (44000100)
- (C) EXISTING AGGREGATE BASE - TO BE REMOVED (INCLUDED IN EARTH EX.)
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- (D) EXISTING AGGREGATE SHOULDER - TO BE REMOVED (INCLUDED IN EARTH EX.)
- (E) EXISTING TOPSOIL - TO BE REMOVED (20201200)

EXISTING PAVEMENT NOTES

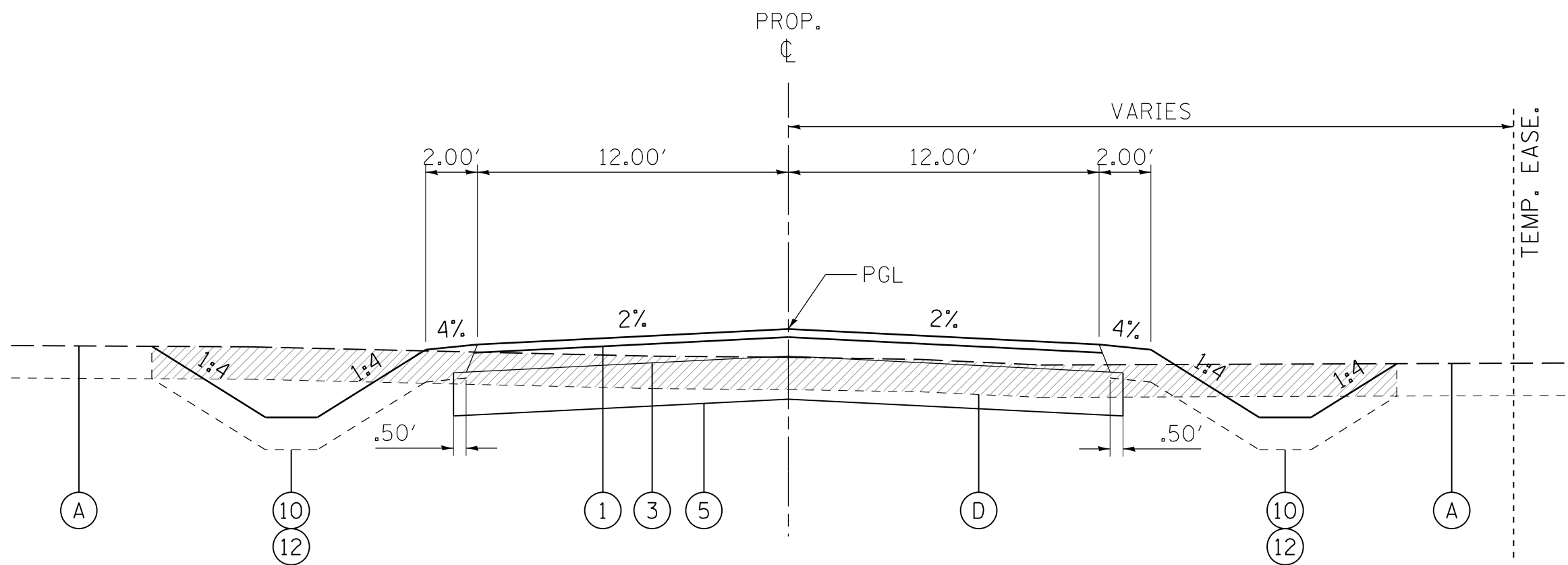
- INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE "GEOTECHNICAL SOIL INVESTIGATION" PREPARED BY TESTING SERVICE CORPORATION DATED DECEMBER 4, 2008. SEE ADDITIONAL NOTE BELOW.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE THICKNESS OF THE EXISTING PAVEMENTS TO BE REMOVED AND THE EXTENT TO WHICH IT WAS REINFORCED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF VARIATIONS FROM THE ASSUMED THICKNESS SHOWN ON THE PLANS OR FOR VARIATIONS IN THE AMOUNT OF REINFORCEMENT.

LEGEND, PROPOSED

- (1) 1 1/2" HMA SURFACE COURSE, MIX "D", N50 (40603335)
- (2) 2" HMA SURFACE COURSE, MIX "D", N50 (40603335)
- (3) 2 1/2" HMA BINDER COURSE, IL-19.0, N50 (40603080)
- (4) 8" HMA BINDER COURSE, IL-19.0, N50 (40603080)
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
- (6) AGGREGATE SHOULDERS, TYPE B 6" (48101500)
- (7) HMA SHOULDERS, 4" (48203013)
- (8) HMA SHOULDERS, 6" (48203021)
- (9) SUBBASE GRANULAR MATERIAL, TYPE C (31102000)
- (10) TOPSOIL FURNISH AND PLACE, 6" (21101625)
- (11) TOPSOIL FURNISH AND PLACE, 18" (21101665)
- (12) SEEDING W/EROSION CONTROL BLANKET
- (13) STRUCTURAL EMBANKMENT
- (14) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
- (15) CONCRETE CURB, TYPE B (60600605)
- (16) 23", SUBBASE GRANULAR MATERIAL, TYPE C (31102000)
- (17) TRAFFIC BARRIER TERMINAL, TYPE 6 (63100085)

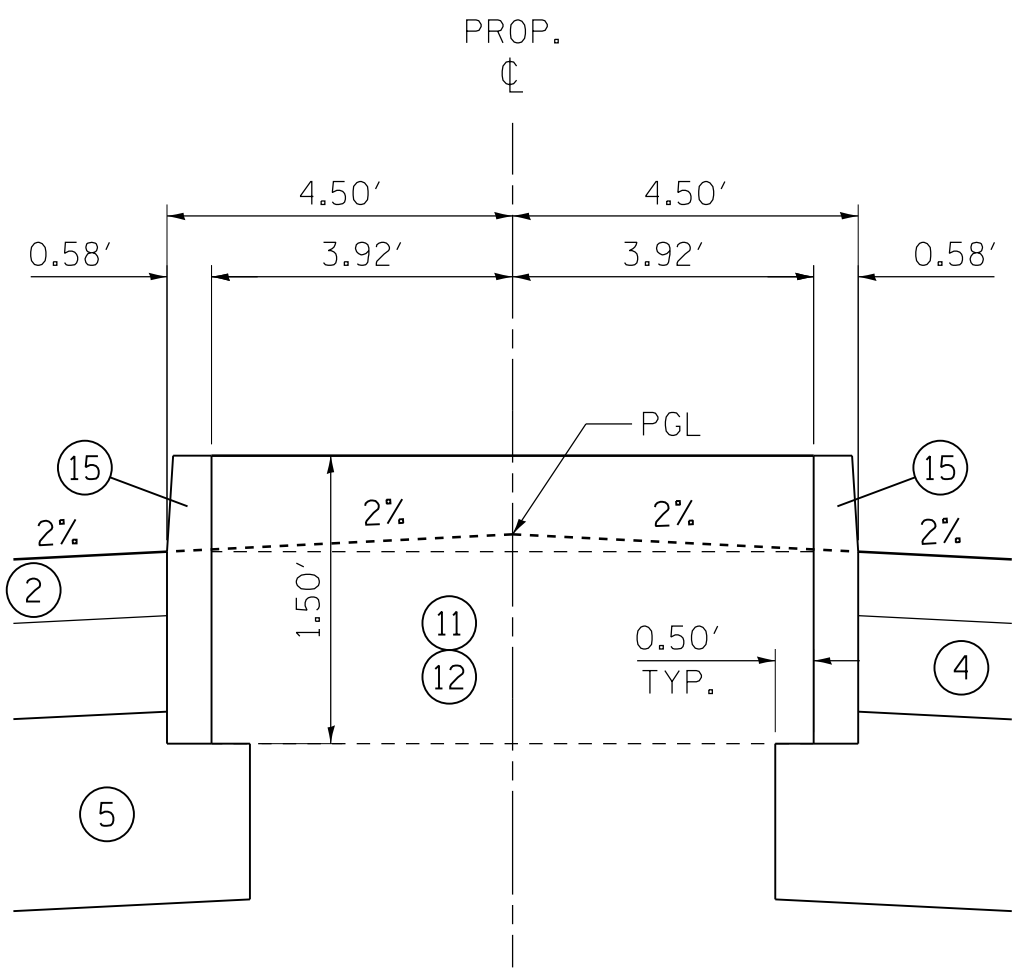


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PROPOSED TYPICAL SECTION NO. 3

JERICO LAKE PARK ENTRANCE
STATION 1+27.9 TO 3+85.1



PROPOSED TYPICAL SECTION NO. 4A

JERICO LAKE PARK ENTRANCE - BARRIER CURB MEDIAN
STA. 4+11.6 TO 4+60.0

LEGEND, EXISTING

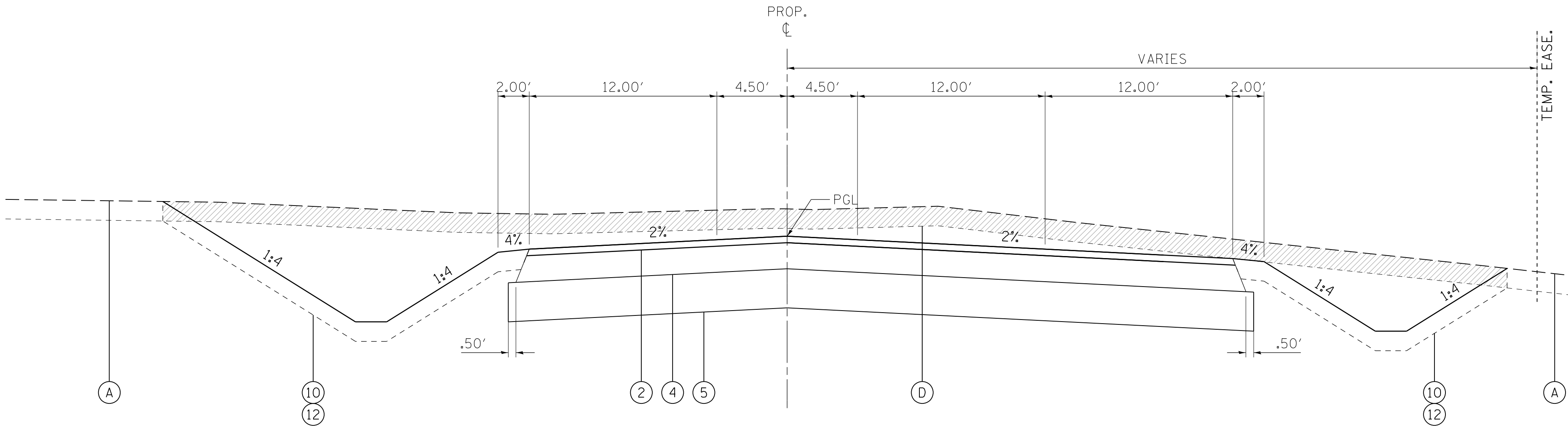
- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 8.9" - 10.4" - TO BE REMOVED (44000100)
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EXISTING PAVEMENT NOTES

1. INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE "GEOTECHNICAL SOIL INVESTIGATION" PREPARED BY TESTING SERVICE CORPORATION DATED DECEMBER 4, 2008. SEE ADDITIONAL NOTE BELOW.
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LEGEND, PROPOSED

- (1) 1 1/2" HMA SURFACE COURSE, MIX "D", N50 (40603335)
- (2) 2" HMA SURFACE COURSE, MIX "D", N50 (40603335)
- (3) 2 1/2" HMA BINDER COURSE, IL-19.0, N50 (40603080)
- (4) 8" HMA BINDER COURSE, IL-19.0, N50 (40603080)
- (5) AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
- (6) AGGREGATE SHOULDERS, TYPE B 6" (48101500)
- (7) HMA SHOULDERS, 4" (48203013)
- (8) HMA SHOULDERS, 6" (48203021)
- (9) SUBBASE GRANULAR MATERIAL, TYPE C (31102000)
- (10) TOPSOIL FURNISH AND PLACE, 6" (21101625)
- (11) TOPSOIL FURNISH AND PLACE, 18" (21101665)
- (12) SEEDING W/EROSION CONTROL BLANKET
- (13) STRUCTURAL EMBANKMENT
- (14) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001)
- (15) CONCRETE CURB, TYPE B (60600605)
- (16) 23", SUBBASE GRANULAR MATERIAL, TYPE C (31102000)
- (17) TRAFFIC BARRIER TERMINAL, TYPE 6 (63100085)



PROPOSED TYPICAL SECTION NO. 4

JERICO LAKE PARK ENTRANCE
STATION 3+85.1 TO 5+00.0

FILE NAME = W:\Projects\2011\10202 JerichoPark\Road\Civil\Drawings\Typical\Typical_03.dgn

<div><div><div>WBK</div><div>WILLS BURKE KELSEY ASSOCIATES LTD.</div><div>116 West Main Street, Suite 201</div><div>St. Charles, Illinois 60174</div></div></div>	USER NAME = nparris	DESIGNED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					1542	04-00329-00-BR	KANE	86	9
	PLOT SCALE = 1:5	CHECKED	REVISED -		SCALE: N/A			SHEET NO. 3 OF 3 SHEETS			CONTRACT NO.	
	PLOT DATE = 7/9/2013	DATE -	REVISED -		STA. TO STA.			ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

WEST OF BRIDGE

UNIT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
8.0	171+68.0	58.1		
15.0	171+94.2	56.9		
12.0	172+18.0		46.7	
12.0	172+20.0		49.3	MS (18"/12")
15.0	172+34.9		58.3	
8.0	172+43.6		58.0	
13.0	172+45.1		53.2	
9.0	172+46.8		58.3	MS (18"/9")
12.0	172+51.0		46.6	
19.0	172+56.7		54.9	MS (11"/8")
8.0	172+67.8		53.8	
8.0	172+75.1		54.0	
12.0	172+93.4		50.5	
8.0	172+99.3		50.8	
8.0	173+03.7		52.3	
10.0	173+09.6		59.1	
10.0	173+11.1		56.1	
8.0	173+15.4		50.2	
10.0	173+15.7		57.0	
8.0	173+19.0		52.3	
8.0	173+24.4		55.0	
12.0	173+27.9		49.1	
8.0	173+33.7		45.5	
10.0	173+38.2		53.2	
8.0	173+54.5		48.0	
8.0	173+58.7		49.1	
12.0	173+62.3		43.4	
16.0	174+02.4	46.7		MS (8"/8")
7.0	174+12.3	49.9		
11.0	174+29.7		53.6	
25.0	174+38.9		45.3	MS (14"/9")
7.0	174+44.0		44.1	
8.0	174+50.5		49.4	
18.0	174+59.4		48.6	MS (9"/9")
33.0	174+76.5	58.8		MS (12"/11"/10")
12.0	174+95.7	61.7		
8.0	175+02.3	58.0		
12.0	175+02.7	63.0		
436.0	SUB TOTAL			

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

EAST OF BRIDGE

UNIT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
6.0	176+92.3		58.0	
7.0	177+31.4		114.3	
7.0	177+32.7		115.8	
14.0	177+35.7		109.2	MS (7"/7")
13.0	177+38.1		121.7	
9.0	177+41.6		82.3	
7.0	177+47.1		60.1	
7.0	177+47.9		70.3	
7.0	177+49.8		53.1	
7.0	177+50.8		92.5	
14.0	177+62.8		30.7	MS (8"/6")
13.0	177+94.9		45.8	
11.0	178+64.9		43.6	
24.0	178+75.3	42.7		MS (12"/12")
15.0	179+40.1		54.7	MS (17"/15")
161.0	SUB TOTAL			
436.0	WEST OF BRIDGE			
161.0	EAST OF BRIDGE			
597	TOTAL			

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

WEST OF BRIDGE

UNIT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
22.0	171+07.96	48.6		
20.0	171+51.66	55.1		
18.0	171+80.75	55.0		
18.0	172+20.0		49.3	MS (18"/12")
25.0	172+30.3		57.4	
22.0	172+38.5		57.4	
18.0	172+46.8		58.3	MS (18"/9")
18.0	173+55.3		51.4	
19.0	174+17.4	58.0		
17.0	174+19.7		42	
24.0	174+81.9		46.0	
221.0	SUB TOTAL			

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SCHEDULE OF QUANTITIES

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

EAST OF BRIDGE				
UNIT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
18.0	175+15.0		114.8	
16.0	176+38.8		52.2	
23.0	176+49.4	35.3		
19.0	176+83.1		128.8	
19.0	177+15.0		114.8	
19.0	177+28.0		131.2	
17.0	177+29.6		144.7	
19.0	177+32.2		131.3	
16.0	177+35.6		102.6	
19.0	177+36.6		106.6	
19.0	177+49.2		91.5	
16.0	177+50.8		75.7	
16.0	177+57.2		58.0	
17.0	177+65.1		45.5	
21.0	177+75.2		47.7	
19.0	178+22.4		44.1	
21.0	178+49.8		109.1	
25.0	178+50.0		125.3	
25.0	179+16.0		47.8	
20.0	179+32.5		104.6	
17.0	179+40.1		54.7	MS (17"/15")
21.0	179+51.1		37.8	
25.0	179+64.6	34.4		
18.0	179+69.0	34.5		
<hr/>				
465.0	SUB TOTAL			
221.0	WEST OF BRIDGE			
465.0	EAST OF BRIDGE			
<hr/>				
686	TOTAL			

20101100 TREE TRUNK PROTECTION

<u>EACH</u>	<u>LOCATION</u>	<u>O/S (LT)</u>	<u>O/S (RT)</u>	<u>COMMENTS</u>
1	169+53.1	51.0		
1	169+63.3	52.2		
1	169+64.0	59.3		
1	169+96.9	52.7		
1	170+05.0	50.2		
1	170+29.3	60.7		
1	170+37.4	57.4		
1	170+58.5	54.3		
1	172+58.9	66.3		
1	172+69.4	67.7		
1	173+43.4		59.7	
1	174+21.6	70.6		
1	174+29.0	67.6		
1	174+39.6		60.6	
3				RE'S DISCRETION AND MAINTENANCE
17	TOTAL			

20800150 TRENCH BACKFILL

VOLUME	PIPE DIA.	LENGTH	WIDTH	DEPTH	COEFFICIENT
(CU YD)	(INCH)	(FT)	(FT)	(FT)	CU YD/LF
12	24	50.0	4.0	3.2	0.235

12 TOTAL

54213663 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"

<u>EACH</u>	<u>LOCATION</u>	<u>O/S (LT)</u>	<u>O/S (RT)</u>	<u>COMMENTS</u>
1	177+50.0		36.0	GRATING INCLUDED IN COST OF CONCRETE F.E.S.
<u>1</u>	TOTAL			

550A0090 STORM SEWERS, CLASS A, TYPE 1 18"

<u>FOOT</u>	<u>LOCATION</u>	<u>O/S (LT)</u>	<u>O/S (RT)</u>	<u>COMMENTS</u>
67	177+50.0	31.0	36.0	
<hr/> 67	TOTAL			

60200805 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE

<u>TOTAL</u>		
<u>(EACH)</u>	<u>LOCATION</u>	<u>OFFSET</u>
1	177+50.00	33.0' LT
<hr/>		
1	TOTAL	

72400100 REMOVE SIGN PANEL ASSEMBLY - TYPE A

<u>EACH</u>	<u>LOCATION</u>	<u>O/S (LT)</u>	<u>O/S (RT)</u>	<u>COMMENTS</u>
1	174+26.2	23.2		INTERSECTION WARING, BARNES RD
1	174+37.6	23.5		TYPE 3 OBJECT MARKER
1	174+87.7	23.5		TYPE 3 OBJECT MARKER
1	174+35.2		28.8	BRIDGE WEIGHT LIMIT
1	174+37.0		24.4	TYPE 3 OBJECT MARKER
1	174+87.2		23.0	TYPE 3 OBJECT MARKER
1	175+83.7	23.5		TYPE 3 OBJECT MARKER
1	176+31.8	23.8		TYPE 3 OBJECT MARKER
1	176+34.2	26.9		BRIDGE WEIGHT LIMIT
2	177+12.3	22.9		FIRE DISTRICT SIGN (2)
1	177+84.1	26.0		FIRE DISTRICT SIGN
1	178+73.7	22.8		NO PASSING ZONE
1	175+83.5		23.6	TYPE 3 OBJECT MARKER
1	176+32.9		24.5	TYPE 3 OBJECT MARKER
1	176+96.1		30.6	FIRE DISTRICT SIGN
1	177+39.5		28.6	STOP SIGN
1	177+76.5		19.0	SPEED LIMIT, 45 MPH
1	179+08.1		18.1	FIRE DISTRICT SIGN
19	TOTAL			

19 TOTAL

SCHEDULE OF QUANTITIES

78200410 GUARDRAIL MARKERS, TYPE A

<u>EACH</u>	<u>LOCATION</u>	<u>O/S (LT)</u>	<u>O/S (RT)</u>	<u>COMMENTS</u>
1	172+80.60		26.6	
1	173+60.50		26.6	
1	173+90.00	27.5		
1	174+40.50		26.6	
1	176+30.00	26.6		
1	176+80.50		27.3	
6	TOTAL			

78200530 BARRIER WALL MARKERS, TYPE C

<u>EACH</u>	<u>LOCATION</u>	<u>O/S (LT)</u>	<u>O/S (RT)</u>	<u>COMMENTS</u>
1	174+70.00	26.5		
1	175+20.50		26.5	
1	175+50.00	26.5		
1	176+00.50		26.5	
4	TOTAL			

78201000 TERMINAL MARKER - DIRECT APPLIED

<u>EACH</u>	<u>LOCATION</u>	<u>O/S (LT)</u>	<u>O/S (RT)</u>	<u>COMMENTS</u>
1	172+06.07		27.6	
1	173+81.07	27.6		
1	176+50.30	26.6		
1	176+99.53		27.6	
4	TOTAL			

XX007562 SIGN REMOVAL, SPECIAL

<u>LSUM</u>	<u>LOCATION</u>	<u>O/S (LT)</u>	<u>O/S (RT)</u>	<u>COMMENTS</u>
1	176+96.0		41.3	JERICO LAKE PARK SIGN
<u>1</u>	TOTAL			

Z0055905 TEMPORARY CONSTRUCTION FENCE

<u>FOOT</u>	<u>LOCATION</u>	<u>O/S (LT)</u>	<u>O/S (RT)</u>	<u>COMMENTS</u>
37.7	176+29.3		125.1	ASSUME 12' DIAMETER CIRCLE FENCE FOR ALL LOCATIONS AROUND TREES
37.7	176+40.1		95.7	
37.7	176+56.3		74.0	
37.7	177+02.8	52.9		
37.7	177+20.3		88.1	
500.0				RE'S DESCRETION AND MAINTENANCE
689	TOTAL			

MISCELLANEOUS REMOVAL SCHEDULE

	44000100	44000200	50105220	56400500	63200310	X0300249	X0323697	X5610662	X5610666	X6026622	XX005896	Z0022810
LOCATION	PAVEMENT REMOVAL	DRIVEWAY PAVEMENT REMOVAL	PIPE CULVERT REMOVAL	FIRE HYDRANTS TO BE REMOVED	GUARDRAIL REMOVAL	REMOVE EXISTING GATE	RUSTIC RAIL FENCE REMOVAL	WATER MAIN TO BE ABANDONED, 12"	WATER MAIN TO BE ABANDONED, 16"	VALVE VAULTS TO BE REMOVED	CONCRETE PAD REMOVAL	FENCE REMOVAL (SPECIAL)
	(SQ YD)	(SQ YD)	(FOOT)	(EACH)	(FOOT)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(SQ FT)	(FOOT)
JERICHO ROAD												
169+00.00 - 169+50.00												
169+50.00 - 170+00.00							32.20					
170+00.00 - 170+50.00							50.00					17.0
170+50.00 - 171+00.00	39.9						50.00					
171+00.00 - 171+50.00	122.7						50.60	19.3	19.30			
171+50.00 - 172+00.00	121.8						31.5	50.0	50.0			
172+00.00 - 172+50.00	122.6							50.0	50.0			
172+50.00 - 173+00.00	123.4							50.0	50.0			
173+00.00 - 173+50.00	126.0			1				50.1	50.1			
173+50.00 - 174+00.00	124.1							50.2	50.2			
174+00.00 - 174+50.00	143.1				24.9			50.9	50.9			
174+50.00 - 174+83.30	140.3			1	79.2			10.5	10.5			
BRIDGE OMMISION												
175+97.30 - 176+00.00	73.7		7.2		37.2		21.2	55.3				
176+00.00 - 176+50.00	209.9	107.4	32.8		65.8		55.4		5.4			
176+50.00 - 177+00.00	144.0	421.2				1	19.6	50.0	55.3	2	61.9	
177+00.00 - 177+50.00	129.0	152.5	19.0	1		1	31.1	50.0	50.0			91.6
177+50.00 - 178+00.00	128.6	16.3						50.0	50.0			30.4
178+00.00 - 178+50.00	126.8	89.8	22.0					50.0	50.0			
178+50.00 - 179+00.00	124.9							50.0	50.0			
179+00.00 - 179+50.00	126.8		18.0					50.0	50.0			
179+50.00 - 180+00.00	133.9							50.0	50.0			
180+00.00 - 180+50.00								13.9	33.2			
180+50.00 - 181+00.00												
JERICHO LAKE PARK ENTR												
1+00.00 - 1+50.00	96.4											
1+50.00 - 2+00.00												
2+00.00 - 2+50.00	103.8											
2+50.00 - 3+00.00												
3+00.00 - 3+50.00	142.8											
3+50.00 - 3+81.50												
3+81.50 - 4+00.00	271.3											
4+00.00 - 4+50.00												
4+50.00 - 5+00.00												
TOTAL	2875.7	787.2	99.0	3	207.1	2	341.6	750.2	724.9	2	61.9	139.0
ADJUSTED TOTAL	2,876	788	99	3	208	2	342	751	725	2	62	139

PAVEMENT SCHEDULE

	30300112	31101200	31102000	35102200	40600200	40600300	40603080	40603310	40603335	42001430	48101500	48203013	48203021	60107600	60600605
LOCATION	AGGREGATE SUBGRADE IMPROVEMENT 12"	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SUBBASE GRANULAR MATERIAL, TYPE C	AGGREGATE BASE COURSE, TYPE B, 10"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, N50	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	AGGREGATE SHOULDERS, TYPE B 6"	HOT-MIX ASPHALT SHOULDERS, 4"	HOT-MIX ASPHALT SHOULDERS, 6"	PIPE UNDERDRAINS 4"	CONCRETE CURB, TYPE B
	(SQ YD)	(SQ YD)	(CU YD)	(SQ YD)	(TON)	(TON)	(TON)	(TON)	(TON)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)	(FOOT)
JERICHO ROAD															
169+00.00 - 169+50.00															
169+50.00 - 170+00.00															
170+00.00 - 170+50.00															
170+50.00 - 171+00.00	46.7				0.10	0.12	19.4		4.9		6.7				
171+00.00 - 171+50.00	211.4		2.0		0.38	0.53	73.4		22.4		2.4		36.1		
171+50.00 - 172+00.00	273.8		2.9		0.49	0.68	94.6		29.4				51.5		
172+00.00 - 172+50.00	288.1		3.7		0.49	0.72	94.6		31.0				65.9		
172+50.00 - 173+00.00	283.4		3.4		0.49	0.71	94.6		30.5				61.1		
173+00.00 - 173+50.00	285.9		3.6		0.48	0.71	93.7		30.8				65.6		
173+50.00 - 174+00.00	331.6		6.7		0.46	0.83	89.6		35.9				120.4		
174+00.00 - 174+50.00	335.4		6.9		0.41	0.84	79.2		33.7	35.2			124.3		
174+50.00 - 174+83.30	9.9		0.2			0.02			1.9	25.7		7.03	10.3		
BRIDGE OMMISION			4.5												
175+97.30 - 176+00.00			4.5									7.03			
176+00.00 - 176+50.00	140.7		2.9		0.13	0.35	24.4		13.5	60.9			59.3		
176+50.00 - 177+00.00	353.7		7.9		0.46	0.88	89.6		38.4				142.6		
177+00.00 - 177+50.00	312.2		5.6		0.46	0.78	89.6		33.7				100.9		
177+50.00 - 178+00.00	239.4		0.7		0.50	0.60	96.4		25.6				13.1		
178+00.00 - 178+50.00	233.3				0.51	0.58	99.6		24.9						
178+50.00 - 179+00.00	233.3				0.51	0.58	99.6		24.9						
179+00.00 - 179+50.00	233.3				0.51	0.58	99.6		24.9						
179+50.00 - 180+00.00	216.8				0.48	0.54	92.1		23.0						
180+00.00 - 180+50.00															
180+50.00 - 181+00.00															
PRIVATE ENTRANCES (P.E.)															
176+86.40 LT		34.0			0.07	0.09	10.8	3.6							
178+14.60 LT		98.8			0.22	0.25	31.7	10.6							
JERICHO LAKE PARK ENTR															
1+00.00 - 1+50.00				74.1	0.16	0.19	9.6		5.7						
1+50.00 - 2+00.00				144.4	0.31	0.36	18.7		11.2						
2+00.00 - 2+50.00				144.4	0.31	0.36	18.7		11.2						
2+50.00 - 3+00.00				144.4	0.31	0.36	18.7		11.2						
3+00.00 - 3+50.00				144.4	0.31	0.36	18.7		11.2						
3+50.00 - 3+81.50				114.3	0.24	0.29	14.8		8.9						
3+81.50 - 4+00.00	76.7				0.16	0.19	31.4		7.8						
4+00.00 - 4+50.00	233.0				0.50	0.58	97.5		24.4						80.6
4+50.00 - 5+00.00	305.8				0.70	0.76	134.7		33.7						23.8
TOTAL	4644.42	132.76	55.57	766.20	10.2	13.9	1734.9	14.1	554.7	121.9	9.1	14.1	851.1		104.4
ADJUSTED TOTAL	4645.0	133.0	56.0	767.0	11	14	1,735	15	555	122	10	15	852		105

STRIPING AND GUARDRAIL SCHEDULE

	63000001	63100085	63100167	X0640200	78009000	78009004	78009008	78009012	78009024
LOCATION	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL (SPECIAL)	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"
	(FOOT)	(EACH)	(EACH)	(EACH)	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
JERICHO ROAD									
169+00.00 - 169+50.00						20.0			
169+50.00 - 170+00.00						200.0			
170+00.00 - 170+50.00						200.0			
170+50.00 - 171+00.00						200.0			
171+00.00 - 171+50.00						200.0			
171+50.00 - 172+00.00						200.0			
172+00.00 - 172+50.00			1			200.0			
172+50.00 - 173+00.00	43.9					200.0			
173+00.00 - 173+50.00	50.0					200.0			
173+50.00 - 174+00.00	50.0		1			200.0			
174+00.00 - 174+50.00	31.1					200.0			
174+50.00 - 174+83.30		2				133.2			
BRIDGE OMMISION						456.0			
175+97.30 - 176+00.00		2				10.8			
176+00.00 - 176+50.00						200.0			
176+50.00 - 177+00.00			1	1		200.0			
177+00.00 - 177+50.00						200.0			
177+50.00 - 178+00.00						200.0			
178+00.00 - 178+50.00						200.0			
178+50.00 - 179+00.00						200.0			
179+00.00 - 179+50.00						200.0			
179+50.00 - 180+00.00						200.0			
180+00.00 - 180+50.00						200.0			
180+50.00 - 181+00.00						200.0			
JERICHO LAKE PARK ENTR									
1+00.00 - 1+50.00									
1+50.00 - 2+00.00									
2+00.00 - 2+50.00									
2+50.00 - 3+00.00									
3+00.00 - 3+50.00							18.5		
3+50.00 - 3+81.50							63.4		
3+81.50 - 4+00.00							41.8		
4+00.00 - 4+50.00							67.2		
4+50.00 - 5+00.00					72.8		117.6	60.6	36.8
TOTAL	175.0	4	3	1	72.8	4620.0	308.5	60.6	36.8
ADJUSTED TOTAL	175	4	3	1	73	4,620	309	61	37

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EROSION CONTROL SCHEDULE

	25100630	28000250	28000305	28000315	28000400	28000500	28100105	28100107	28200200	XX006345
LOCATION	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING *	TEMPORARY DITCH CHECKS	AGGREGATE DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	STONE RIPRAP, CLASS A3	STONE RIPRAP, CLASS A4	FILTER FABRIC	TURBIDITY BARRIER
	(SQ YD)	(POUND)	(FOOT)	(TON)	(FOOT)	(EACH)	(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)
JERICHO ROAD										
169+00.00 - 169+50.00	78.4	3.2			39.2					
169+50.00 - 170+00.00	266.7	11.0			92.1					
170+00.00 - 170+50.00	247.9	10.2			100.0					
170+50.00 - 171+00.00	323.5	13.4	10.0		100.0					
171+00.00 - 171+50.00	464.2	19.2	10.0		100.0					
171+50.00 - 172+00.00	404.0	16.7	10.0		100.0					
172+00.00 - 172+50.00	389.7	16.1	10.0		100.0					
172+50.00 - 173+00.00	449.1	18.6	10.0		110.0					
173+00.00 - 173+50.00	447.5	18.5	10.0		100.0					
173+50.00 - 174+00.00	401.8	16.6	10.0		100.0					
174+00.00 - 174+50.00	397.9	16.4		1.3	100.0					
174+50.00 - 174+83.30	232.4	9.6			66.6					
BRIDGE OMMISION	408.1	16.9			143.9			869.0	869.0	269.0
175+97.30 - 176+00.00					5.4					
176+00.00 - 176+50.00	615.3	25.4	30.0		247.1					
176+50.00 - 177+00.00	804.8	33.3	10.0		92.8					
177+00.00 - 177+50.00	688.4	28.4			120.9	1	4.6		4.6	
177+50.00 - 178+00.00	732.8	30.3	10.0		84.2					
178+00.00 - 178+50.00	669.5	27.7	10.0		77.4					
178+50.00 - 179+00.00	369.7	15.3			108.0					
179+00.00 - 179+50.00	653.2	27.0			175.5					
179+50.00 - 180+00.00	405.6	16.8	10.0		179.7					
180+00.00 - 180+50.00										
180+50.00 - 181+00.00										
JERICHO LAKE PARK ENTR										
1+00.00 - 1+50.00										
1+50.00 - 2+00.00			20.0							
2+00.00 - 2+50.00			20.0							
2+50.00 - 3+00.00										
3+00.00 - 3+50.00			20.0							
3+50.00 - 3+81.50			10.0							
3+81.50 - 4+00.00										
4+00.00 - 4+50.00	32.4	1.3	30.0							
4+50.00 - 5+00.00	7.6	0.3								
MAINTENANCE	100.0		20.0	0.5	200.0	1				
TOTAL	9,590.6	392.2	260.0	1.8	2,542.8	2	4.6	869.0	873.6	269.0
ADJUSTED TOTAL	9,591	393	260	2	2,543	2	5	869	874	269

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SEEDING SCHEDULE

LOCATION	21101625	21101665	25000100	25000210	25000310	25000312	25000320	25000324	ZZZZZZ03	25000400	25000500	25000600
	TOPSOIL FURNISH AND PLACE, 6"	TOPSOIL FURNISH AND PLACE, 18"	SEEDING, CLASS 1	SEEDING, CLASS 2A	SEEDING, CLASS 4	SEEDING, CLASS 4A	SEEDING, CLASS 5	SEEDING, CLASS 5B	SEEDING, CLASS 4 MODIFIED (SHADED STREAMBANK)	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
	(SQ YD)	(SQ YD)	(ACRE)	(ACRE)	(ACRE)	(ACRE)	(ACRE)	(ACRE)	(ACRE)	(POUND)	(POUND)	(POUND)
JERICHO ROAD												
169+00.00 - 169+50.00	78.4			0.02						1.5	1.5	1.5
169+50.00 - 170+00.00	266.7			0.03	0.03		0.03			5.0	5.0	5.0
170+00.00 - 170+50.00	247.9			0.03	0.02		0.02			4.6	4.6	4.6
170+50.00 - 171+00.00	323.5			0.04	0.02		0.02	0.00		6.0	6.0	6.0
171+00.00 - 171+50.00	464.2			0.07	0.02		0.01	0.01		8.6	8.6	8.6
171+50.00 - 172+00.00	404.0			0.04	0.04		0.02	0.02		7.5	7.5	7.5
172+00.00 - 172+50.00	389.7			0.02	0.06		0.04	0.02		7.2	7.2	7.2
172+50.00 - 173+00.00	449.1			0.02	0.07		0.05	0.02		8.4	8.4	8.4
173+00.00 - 173+50.00	447.5			0.02	0.07		0.04	0.03		8.3	8.3	8.3
173+50.00 - 174+00.00	401.8			0.01	0.08		0.05	0.03		7.5	7.5	7.5
174+00.00 - 174+50.00	397.9				0.08		0.05	0.03		7.4	7.4	7.4
174+50.00 - 174+83.30	232.4				0.03		0.02	0.01	0.01	4.3	4.3	4.3
BRIDGE OMMISION	408.1								0.08	7.6	7.6	7.6
175+97.30 - 176+00.00												
176+00.00 - 176+50.00	615.3		0.05	0.02	0.03	0.03	0.03			11.4	11.4	11.4
176+50.00 - 177+00.00	804.8		0.07	0.01	0.03	0.05	0.03			15.0	15.0	15.0
177+00.00 - 177+50.00	688.4		0.04	0.06	0.01	0.04	0.01			12.8	12.8	12.8
177+50.00 - 178+00.00	732.8		0.04	0.07		0.04				13.6	13.6	13.6
178+00.00 - 178+50.00	669.5		0.06	0.06		0.02				12.4	12.4	12.4
178+50.00 - 179+00.00	369.7		0.03	0.04	0.01		0.01			6.9	6.9	6.9
179+00.00 - 179+50.00	653.2		0.06	0.05	0.02		0.02			12.1	12.1	12.1
179+50.00 - 180+00.00	405.6			0.06	0.02		0.02			7.5	7.5	7.5
180+00.00 - 180+50.00												
180+50.00 - 181+00.00												
JERICHO LAKE PARK ENTR												
1+00.00 - 1+50.00												
1+50.00 - 2+00.00												
2+00.00 - 2+50.00												
2+50.00 - 3+00.00												
3+00.00 - 3+50.00												
3+50.00 - 3+81.50												
3+81.50 - 4+00.00												
4+00.00 - 4+50.00		32.4	0.01							0.6	0.6	0.6
4+50.00 - 5+00.00		7.7	0.00							0.1	0.1	0.1
MAINTENANCE												
TOTAL	9,450.6	40.1	0.36	0.68	0.66	0.17	0.49	0.17	0.09	176.5	176.5	176.5
ADJUSTED TOTAL	9,451	41	0.50	0.75	0.75	0.25	0.50	0.25	0.25	177	177	177

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LANDSCAPING SCHEDULE

LOCATION	A2001724	A2005030	A2005670	A2006420	A2006726	B2000668	B2004170	Z0055900
	TREE, ACER SACCHARUM (SUGAR MAPLE), 3" CALIPER, BALLED AND BURLAPPED	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 4" CALIPER, BALLED AND BURLAPPED	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	TREE, QUERCUS ALBA (WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	TREE, QUERCUS MACROCARPA (BUR OAK), 3" CALIPER, BALLED AND BURLAPPED	TREE, AMELANCHIER X GRANDIFLORA (APPLE SERVICEBERRY), 7' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	RUSTIC WOOD POST AND RAIL FENCE
	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)
JERICHO ROAD								
169+00.00 - 169+50.00								56.0
169+50.00 - 170+00.00								50.0
170+00.00 - 170+50.00								50.0
170+50.00 - 171+00.00								50.0
171+00.00 - 171+50.00								50.0
171+50.00 - 172+00.00								31.3
172+00.00 - 172+50.00								
172+50.00 - 173+00.00								
173+00.00 - 173+50.00								
173+50.00 - 174+00.00								
174+00.00 - 174+50.00								
174+50.00 - 174+83.30								
BRIDGE OMMISION								14.6
175+97.30 - 176+00.00								2.7
176+00.00 - 176+50.00								50.0
176+50.00 - 177+00.00			1		1	2		50.0
177+00.00 - 177+50.00		1						50.0
177+50.00 - 178+00.00		1	1					50.0
178+00.00 - 178+50.00				1			1	50.0
178+50.00 - 179+00.00	2							31.8
179+00.00 - 179+50.00				1	1			
179+50.00 - 180+00.00								
180+00.00 - 180+50.00								
180+50.00 - 181+00.00								
JERICHO LAKE PARK ENTR								
1+00.00 - 1+50.00								
1+50.00 - 2+00.00								
2+00.00 - 2+50.00								
2+50.00 - 3+00.00								
3+00.00 - 3+50.00								
3+50.00 - 3+81.50								
3+81.50 - 4+00.00								
4+00.00 - 4+50.00								
4+50.00 - 5+00.00								
TOTAL	2	2	2	2	2	2	1	536.4
ADJUSTED TOTAL	2	2	2	2	2	2	1	537

FILE NAME = W:\Projects\2011\10202 JerichoPark\Road\Civil\Drawings\Shed\Schedule.dgn

WATER MAIN SCHEDULE

	56100600	56100900	56101000	56400820	60248900	X2090215	X5630712	X5630716	XX003032	XX007682	Z0041900
LOCATION	WATER MAIN 6"	WATER MAIN 12"	WATER MAIN 16"	FIR HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	VALVE VAULTS, TYPE A, 5'-DIAMTER, TYPE 1 FRAME, CLOSED LID	SELECT GRANULAR BACKFILL, SPECIAL	CONNECTION TO EXISTING WATER MAIN 12"	CONNECTION TO EXISTING WATER MAIN 16"	GATE VALVES, 12"	GATE VALVES, 16"	POLYETHYLENE ENCASEMENT
	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(CU YD)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)
JERICHO ROAD											
169+00.00 - 169+50.00											
169+50.00 - 170+00.00											
170+00.00 - 170+50.00											
170+50.00 - 171+00.00											
171+00.00 - 171+50.00			23.2					1			23.2
171+50.00 - 172+00.00			50.0								50.0
172+00.00 - 172+50.00			50.0								50.0
172+50.00 - 173+00.00			50.0								50.0
173+00.00 - 173+50.00	3.0	29.4	50.0	1			1				82.4
173+50.00 - 174+00.00	4.0	50.0	50.0	1							104.0
174+00.00 - 174+50.00		50.0	50.0								100.0
174+50.00 - 174+83.30		33.3	10.5					1			43.8
BRIDGE OMMISION		21.1						3			21.1
175+97.30 - 176+00.00			8.4								8.4
176+00.00 - 176+50.00			100.0								100.0
176+50.00 - 177+00.00			100.0		2				1	1	100.0
177+00.00 - 177+50.00	3.0		100.0	1							103.0
177+50.00 - 178+00.00			100.0								100.0
178+00.00 - 178+50.00			100.0								100.0
178+50.00 - 179+00.00			100.0								100.0
179+00.00 - 179+50.00			100.0								100.0
179+50.00 - 180+00.00			95.7				1				95.7
180+00.00 - 180+50.00								1			
180+50.00 - 181+00.00											
PRIVATE ENTRANCES (P.E.)											
176+86.40 LT						14.6					
178+14.60 LT						23.3					
JERICHO LAKE PARK ENTR											
1+00.00 - 1+50.00											
1+50.00 - 2+00.00											
2+00.00 - 2+50.00											
2+50.00 - 3+00.00											
3+00.00 - 3+50.00											
3+50.00 - 3+81.50											
3+81.50 - 4+00.00											
4+00.00 - 4+50.00											
4+50.00 - 5+00.00						41.7					
TOTAL	10.0	183.8	1137.8	3	2	79.6	2	6	1	1	1331.6
ADJUSTED TOTAL	10	184	1,138	3	2	80	2	6	1	1	1,332

FILE NAME = W:\Projects\2011\10202 JerichoPht\cadd\Civil\Dgn\Sh1\SCHEDULE_10.dgn

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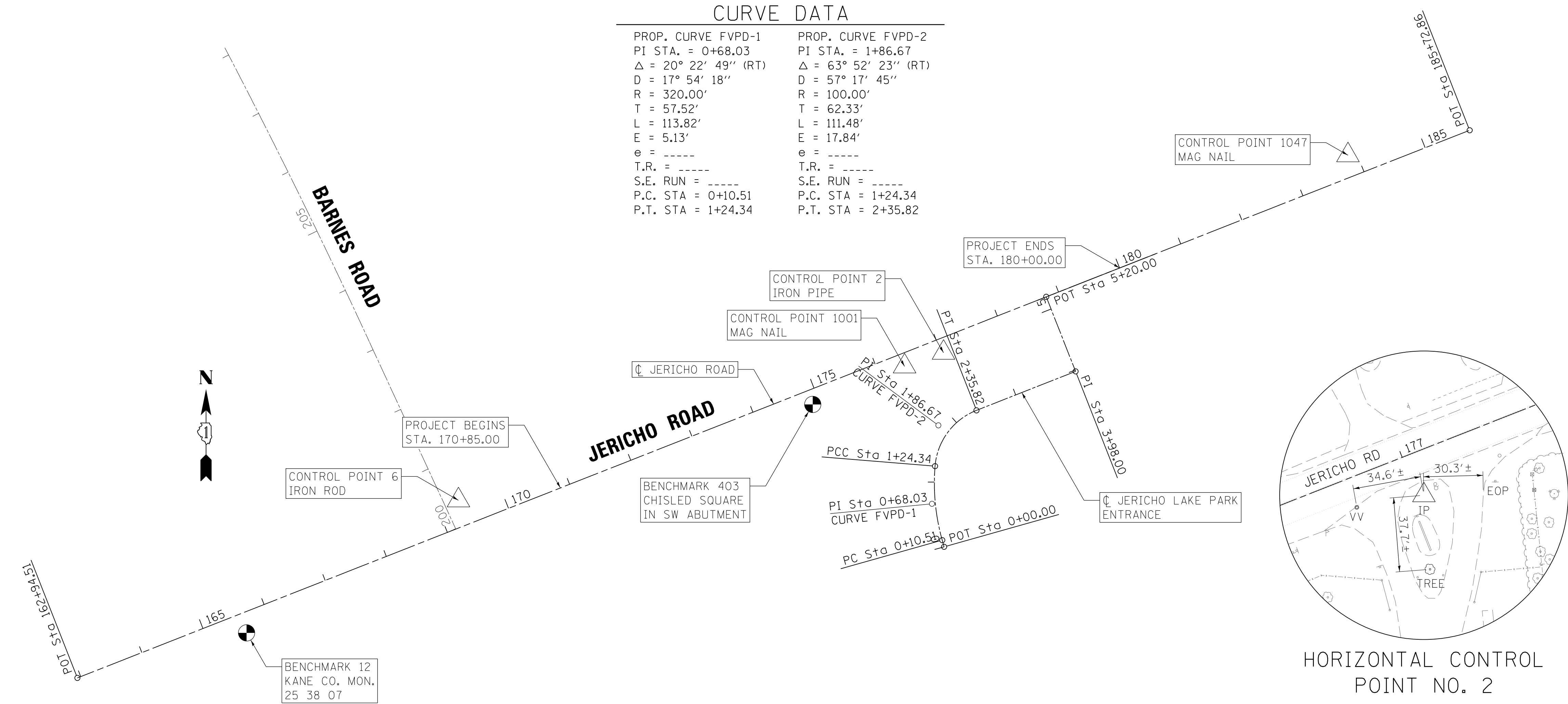
USER NAME = nparris	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1:100	CHECKED -	REVISED -
PLOT DATE = 7/9/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	20
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



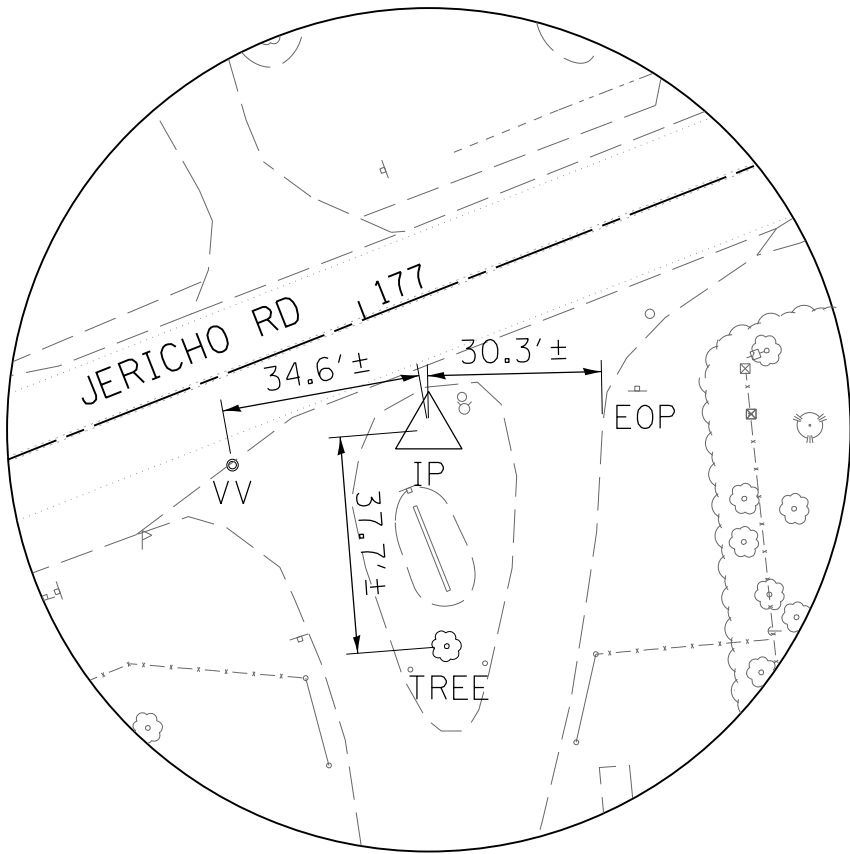
LEGEND

- = BENCH MARK LOCATION
- = HORIZONTAL CONTROL POINT LOCATION

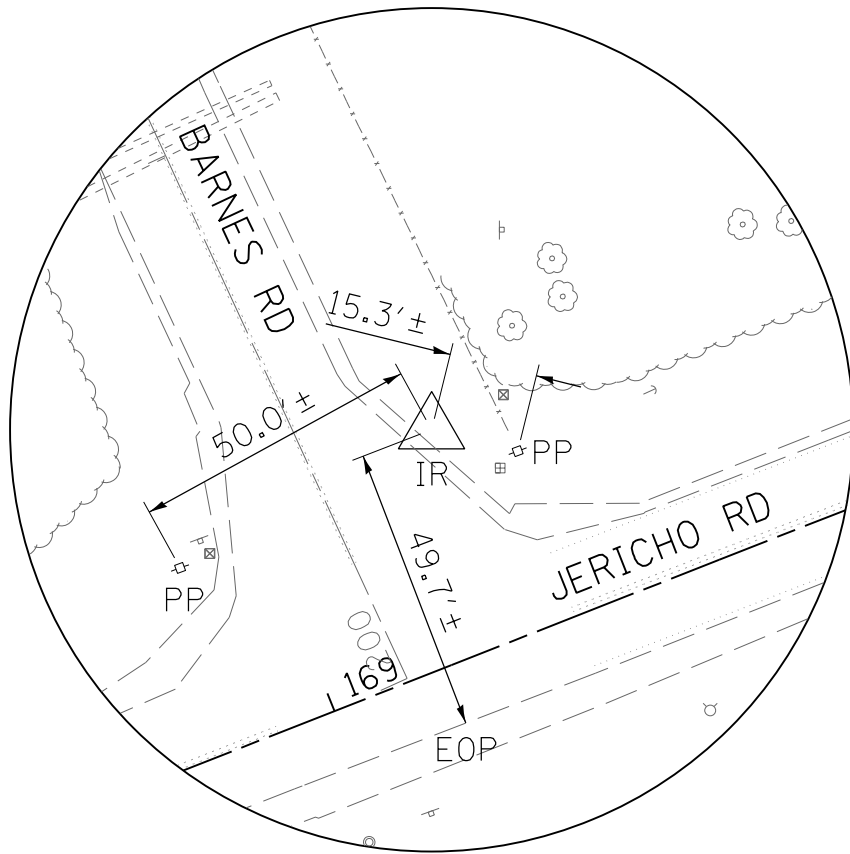
HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
2	1848204.549	970822.432	666.830	JERICH01	177+03.23	21.949' RT	IRON PIPE
6	1847979.801	970083.786	664.186	JERICH01	169+33.58	39.289' LT	IRON ROD
1001	1848183.763	970763.171	666.780	JERICH01	176+40.47	19.599' RT	MAG NAIL
1047	1848505.313	971438.344	662.535	JERICH01	183+86.48	32.481' LT	MAG NAIL

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
5	1848224.876	970979.215	667.212	JERICH01	178+56.57	60.424' RT	PENNY NAIL
4	1848324.604	971113.549	666.310	JERICH01	180+18.08	16.792' RT	PK NAIL

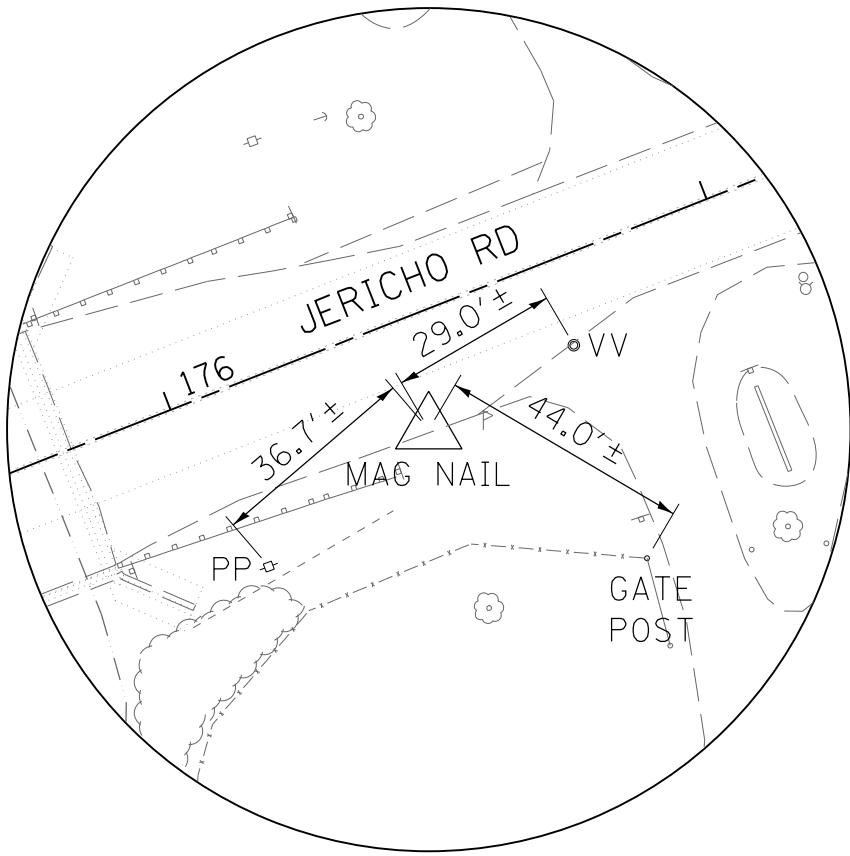
BENCH MARKS (NAVD 88)							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
12	1847777.940	969761.120	667.376	JERICH01	165+59.41	30.448' RT	KANE CO. MONUMENT 25 38 07
403	1848125.853	970623.287	668.859	JERICH01	174+89.09	22.284' RT	CHISLED SQUARE IN SW ABUTMENT



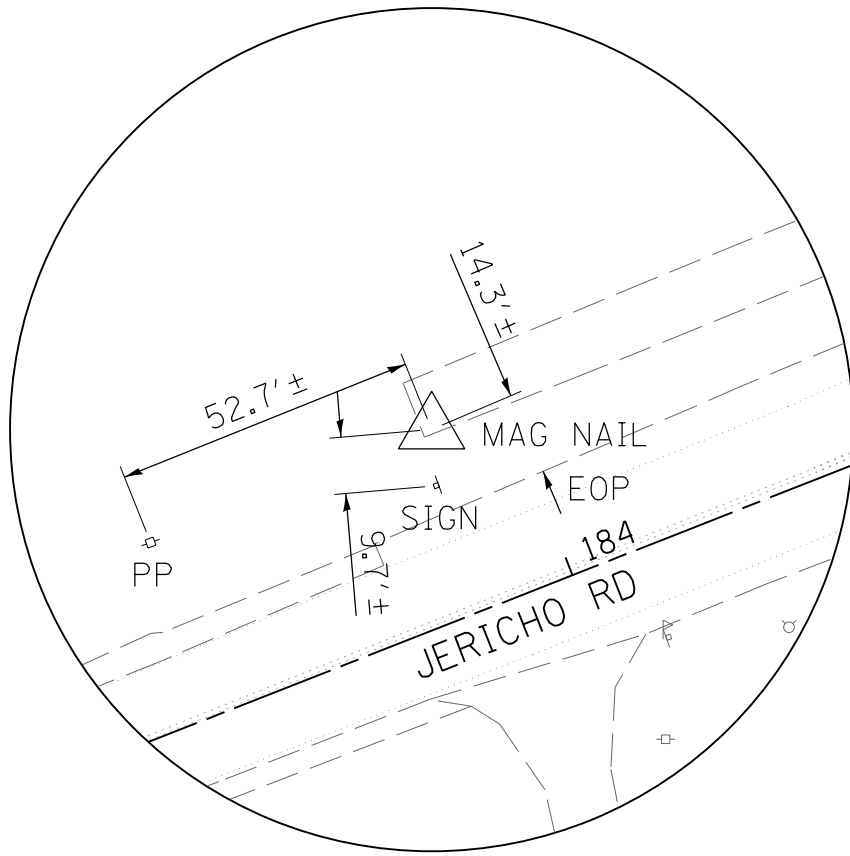
HORIZONTAL CONTROL
POINT NO. 2



HORIZONTAL CONTROL
POINT NO. 6



HORIZONTAL CONTROL
POINT NO. 1001



HORIZONTAL CONTROL
POINT NO. 1047

FILE NAME = \\NA\Projects\2011\10202 - JerichoPhl\cadd\Civil\Dgn\Sh1\WOI_DETOUTR_01.dgn

GENERAL NOTES:

1. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS TO PRIVATE ENTRANCES AND FIELD ENTRANCES. THE TEMPORARY CLOSURE OF DRIVEWAYS WILL BE LIMITED TO THE DURATION OF THE CONSTRUCTION DIRECTLY IN FRONT OF THE DRIVEWAYS. IN ALL CASES, THE ENTRANCES SHALL BE OPEN AT THE END OF THE WORK DAY. THE CONTRACTOR SHALL COORDINATE CLOSURES WITH THE RESIDENT ENGINEER AND PROPERTY OWNER A MINIMUM OF FORTY EIGHT (48) HOURS IN ADVANCE OF THE CLOSURE.

TEMPORARY DETOUR DURATION

THE CONTRACT DOCUMENTS WILL ALLOW THE ROADWAY CLOSURE AND TEMPORARY DETOUR DETAILED ON THIS SHEET TO REMAIN IN PLACE UNTIL AUGUST XX, 2014. THE CONTRACTOR WILL BE EXPECTED TO COMPLETE ALL THE PROPOSED WORK RELATED TO THE CONSTRUCTION OF THE PROPOSED BRIDGE AND ROADWAY DURING THIS CLOSURE. THE ROADWAY MUST HAVE THE HMA SURFACE COURSE PLACED AND THE GUARDRAIL INSTALLED BEFORE THE ROADWAY IS OPENED TO TRAFFIC. IF THE SURFACE COURSE AND GUARD RAIL ARE NOT COMPLETED IN THE ALLOWED TIME, ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR THE COMPLETION OF REMAINING CONSTRUCTION OPERATIONS WILL BE AT THE CONTRACTOR COSTS.

CHANGEABLE MESSAGE SIGN

THE CONTRACTOR SHALL PLACE ELECTRONIC CHANGEABLE MESSAGE SIGNS ON THE EAST AND WEST SIDE OF THE BRIDGE TO WARN THE PUBLIC OF THE PENDING CLOSURE. THE MESSAGE BOARDS WILL NEED TO BE PLACED AND SET OUT FOR SEVEN (7) DAYS IN ADVANCE OF THE ANTICIPATED FIRST DAY OF CONSTRUCTION. THE SIGNS SHALL REMAIN IN PLACE FOR THE SPECIFIED CONTRACT TIME. THE CONTRACTOR WILL COORDINATE WITH THE RESIDENT ENGINEER ON THE EXACT PLACEMENT OF THE MESSAGE BOARDS AND THE MESSAGE THAT IS TO BE DISPLAYED. THE MESSAGE MAY PERIODICALLY BE CHANGED BY THE COUNTY. THERE WILL BE NO ADDITIONAL COMPENSATION FOR CHANGING OF THE MESSAGE(S). THE MESSAGE BOARDS WILL BE PAID FOR AS CHANGEABLE MESSAGE SIGN, PER CALENDAR MONTH FOR EACH MESSAGE SIGN UTILIZED.

TEMPORARY INFORMATION SIGN

THE CONTRACTOR SHALL ERECT ON THE EAST AND WEST SIDE OF THE BRIDGE TO INFORM THE PUBLIC OF THE CONSTRUCTION DURATION. THE CONTRACTOR WILL COORDINATE WITH THE RESIDENT ENGINEER ON THE EXACT PLACEMENT OF THE SIGN. THE SIGN SHALL BE IN PLACE FOR THE ENTIRE DURATION OF THE CONTRACT OR AS DIRECTED BY THE RESIDENT ENGINEER. THE TEMPORARY SIGN WILL BE AS DIMENSIONED ON STD. TC22 EXCEPT THE MESSAGE SHALL BE AS DETAILED ON THE DETOUR PLAN. THE SIGNING, WHICH INCLUDES POST AND MOUNTING, WILL BE PAID AS TEMPORARY INFORMATION SIGNING, PER EACH SIGN ERECTED.

CONTACTS

THE CONTRACTOR WILL BE REQUIRED TO COORDINATE ALL MAINTENANCE OF TRAFFIC OPERATIONS WITH ALL MUNICIPALITIES, TOWNSHIP, AND COUNTY ENTITIES WITHIN THE PROJECT LIMITS. THE FOLLOWING IS THE APPLICABLE LIST OF CONTACTS:

KANE COUNTY DIVISION OF TRANSPORTATION	DAVE BOESCH, CHIEF OF CNSTR.	630-584-1170
CITY OF AURORA PUBLIC WORKS	KEN SCHROTH, DIRECTOR	630-256-3200
SUGAR GROVE TOWNSHIP	GREG HUGGINS, COMMISSIONER	630-466-4283
KANE CO. SHERIFF	PATRICK PEREZ, SHERIFF	630-232-6840
KANE CO. OFFICE OF EMERGENCY MANAGEMENT	DONALD BRYANT, DIRECTOR	630-232-5985
AURORA FIRE DEPARTMENT	HAL CARLSON, CHIEF	630-256-4000
SUGAR GROVE FIRE DEPARTMENT	MARTY KUNKEL, CHIEF	630-466-4513
KANELAND SCHOOL DISTRICT 302	JEFF SCHULER, SUPERINTENDENT	630-365-5111
AURORA POLICE DEPARTMENT	GREGORY THOMAS, CHIEF	630-256-5001
MONTGOMERY POLICE DEPARTMENT	DANIEL MEYERS, CHIEF	630-896-8080

LIMITATIONS OF CONSTRUCTION

THE CONTRACTOR SHALL COORDINATE THE ITEMS OF WORK IN ORDER TO KEEP HAZARDS AND TRAFFIC INCONVENIENCES TO A MINIMUM, AS SPECIFIED BELOW:

1. DURING THE CONSTRUCTION WHEN THE ROADWAY IS NOT CLOSED, CONSTRUCTION OPERATIONS WILL BE CONDUCTED SO ONE LANE IN EACH DIRECTION ON JERICO ROAD REMAINS OPEN.
2. THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN ALL THE NECESSARY SIGNS, BARRICADES, CONES, DRUMS, AND LIGHTS FOR THE WARNING AND PROTECTION OF TRAFFIC, AS REQUIRED BY SECTIONS 107 AND 701 THROUGH 703 OF THE STANDARD SPECIFICATIONS, AND AS MODIFIED.
3. THE CONTRACTOR SHALL FURNISH AND ERECT "ROAD CONSTRUCTION AHEAD" SIGNS (W20-1 (O)-48) AT BOTH ENDS OF THE PROJECT AND AT ALL SIDE ROADS WITHIN THE LIMITS OF THIS SECTION WHEN WORKING IN THE VICINITY OF THE SIDE ROAD INTERSECTION.

OFF-PEAK HOURS

FOR CONSTRUCTION OPERATION OUTSIDE THE DESIGNATED DETOUR PERIOD, THE "OFF-PEAK" HOURS ARE DEFINED AS THE DAYTIME HOURS FROM 9:00 A.M. TO 3:00 P.M. AND NIGHT TIME HOURS FROM 9:00 P.M. TO 6:00 A.M., MONDAY THROUGH FRIDAY. THE CONTRACTOR MAY REQUEST IN WRITING FOR THESE HOURS TO BE EXTENDED.

KEEPING ROADS OPEN TO TRAFFIC

THE CONTRACTOR SHALL SCHEDULE HIS SEQUENCE OF OPERATIONS TO PERMIT THE CONSTRUCTION OF THIS SECTION WITH THE LEAST INCONVENIENCE TO THE TRAVELING PUBLIC. THE CONTRACTOR'S SCHEDULE SHALL REFLECT THE FOLLOWING REQUIREMENTS AND SEQUENCE OF CONSTRUCTION. THESE REQUIREMENTS FOLLOW THE SUGGESTED TRAFFIC CONTROL PLAN INCLUDED IN THE DRAWINGS.

1. JERICO ROAD MAY BE COMPLETELY CLOSED TO TRAFFIC FOR THE DURATION SPECIFIED IN THE CONTRACT DOCUMENTS.
2. ACCESS TO FIELD AND PRIVATE ENTRANCES SHALL REMAIN OPEN AT ALL TIMES. ON PROPERTIES THAT HAVE MORE THAN ONE ACCESS, ONE ENTRANCE MAY BE TEMPORARILY CLOSED. HOWEVER, VEHICULAR ACCESS MUST REMAIN OPEN TO TRAFFIC FOR THE OPPOSITE ENTRANCE. WHEN IT IS NECESSARY TO CLOSE AN ENTRANCE, THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER AND THE PROPERTY OWNER FORTY-EIGHT (48) HOURS IN ADVANCE OF THE WORK. IN ALL CASES, THE ENTRANCE SHALL BE OPEN AT THE END OF THE WORKDAY.

TRAILER MOUNTED ARROW BOARD


UNLESS OTHERWISE REQUIRED BY A SPECIFIED TRAFFIC CONTROL STANDARD, THE USE OF A TRAILER MOUNTED ARROW BOARD(S) ARE NOT ANTICIPATED FOR THIS PROJECT.

SEQUENCE OF CONSTRUCTION

- IN GENERAL, THE STAGING OF CONSTRUCTION FOR THIS SECTION SHALL BE AS FOLLOWS:
- MAJOR WORK ITEMS - STAGE 1 JERICO ROAD
- COORDINATE UTILITY RELOCATES.
 - SET UP CHANGEABLE MESSAGE BOARD.
 - SET UP DETOUR AS DETAILED IN THE PLANS.
 - SET UP TEMPORARY EROSION CONTROL MEASURES.
 - REMOVE EXISTING VEGETATION, PAVEMENTS, AND BRIDGE STRUCTURE (SEE REMOVAL PLANS SHEETS).
 - CONSTRUCT THE PROPOSED BRIDGE, SUBGRADE, AGGREGATE BASE COURSES, PAVEMENTS (TO SURFACE), STROM SEWERS, GUARD RAILS AND UNDERDRAINS.
 - CONSTRUCT GUARDRAILS AND SIGNAGE.

MAJOR WORK ITEMS - STAGE 2 - RESTORATION

- THESE ITEMS MAY TAKE PLACE AFTER THE ROADWAY IS OPEN TO TRAFFIC.
- PLACE PERMANENT RESTORATION.
 - PLACE PERMANENT PAVEMENT MARKINGS.
 - FINALIZE PUNCH LIST AND SITE CLEANUP.

 WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60114	USER NAME = nparris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC JERICO ROAD DETOUR NOTES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:500	DRAWN - KMA	REVISED -				1542	04-00329-00-BR	KANE	86	21
	PLOT DATE = 7/9/2013	CHECKED -	REVISED -				CONTRACT NO.				
		DATE -	REVISED -				SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

LEGEND

TIS

TEMPORARY INFORMATION SIGN

CMS

CHANGEABLE MESSAGE SIGN

←

DETOUR ROUTE

→

DETOUR ROUTE

⊥

TYPE III BARRICADE WITH
TYPE A FLASHER

○

TYPE A FLASHER

DETOUR SIGN ASSEMBLY
WITH STREET NAME AND DIRECTION PLATES
(NUMBER DENOTES TYPE)

◇

W20 SERIES SIGN
(NUMBER DENOTES TYPE)

OTHER SIGN
(NUMBER DENOTES TYPE)

TEMP. INFORMATION SIGN

ROAD CLOSED
BEGINS XXX XXXX
ENDS XXX XXXX

(SEE STD. TC-22 FOR DETAILS
AND REQUIREMENTS)

“ADVANCE DETOUR SIGN ASSEMBLY”

EAST
JERICO RD
DETOUR

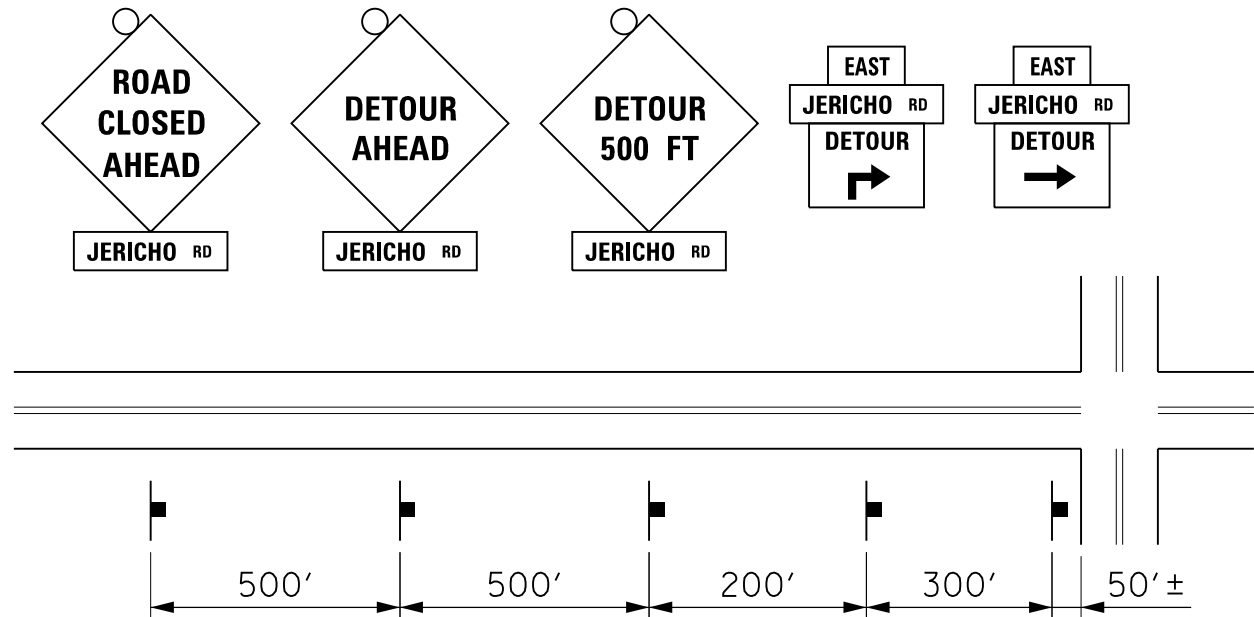
6 OR 7
16
13, 14, OR 15

“DETOUR SIGN ASSEMBLY”

EAST
JERICO RD
DETOUR

6 OR 7
16
9, 10, OR 15

TYPICAL DETOUR SIGN SPACING



TYPICAL DETOUR SIGN ASSEMBLIES

“ADVANCE DETOUR SIGN ASSEMBLY”

EAST
JERICO RD
DETOUR

6 OR 7
16
13, 14, OR 15

“DETOUR SIGN ASSEMBLY”

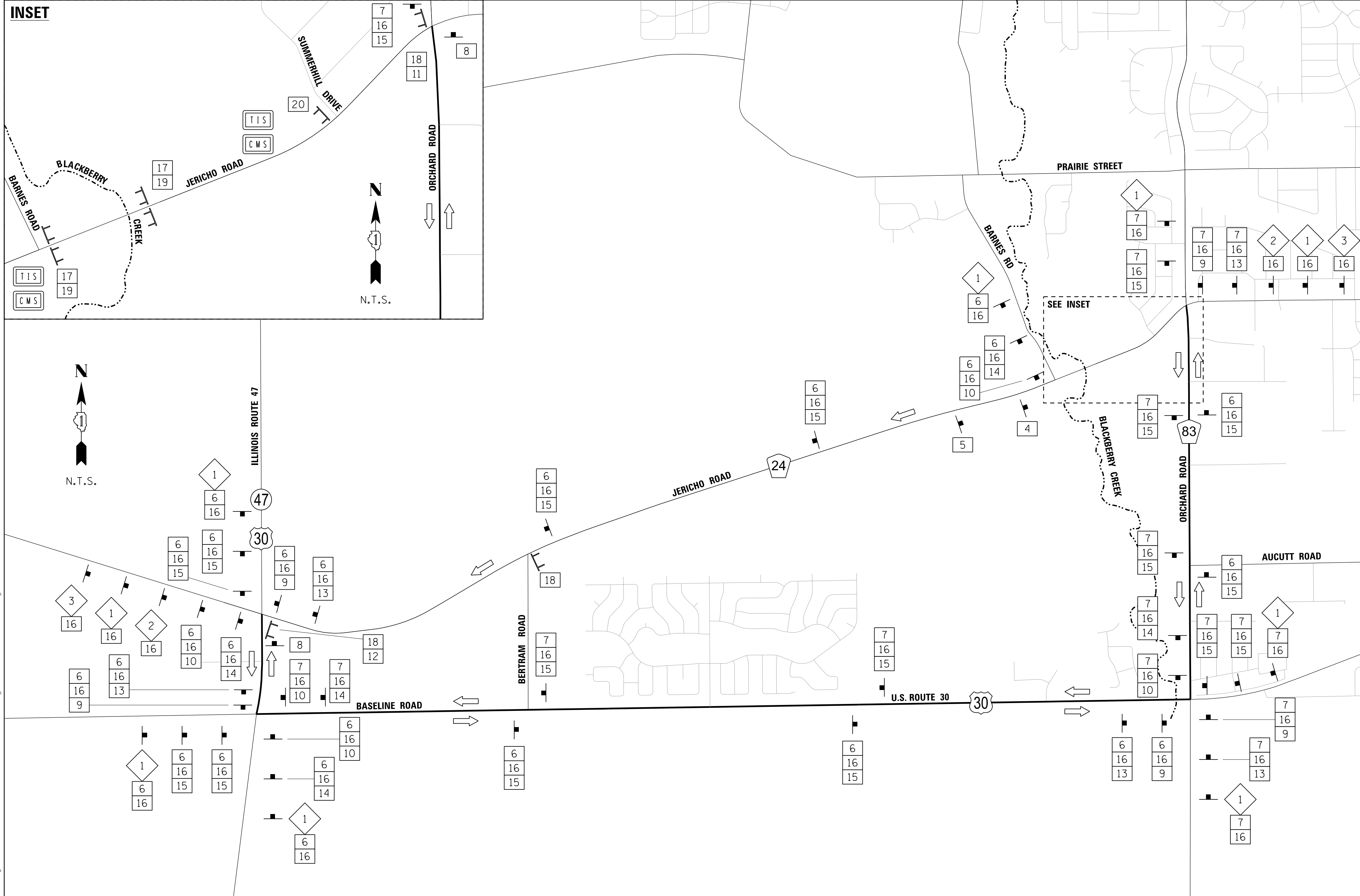
EAST
JERICO RD
DETOUR

6 OR 7
16
9, 10, OR 15

SCHEDULE OF DETOUR SIGNS

SIGN NO.	SIGN	MUTCD CODE	SIZE
1	DETOUR AHEAD	W20-2	30"x30"
2	DETOUR 500 FT	W20-2	30"x30"
3	ROAD CLOSED AHEAD	W20-3	30"x30"
4	ROAD CLOSED 500 FT	W20-3	30"x30"
5	ROAD CLOSED 1000 FT	W20-3	30"x30"
6	EAST	M3-2	24"x12"
7	WEST	M3-4	24"x12"
8	END DETOUR	M4-8A	24"x18"
9	DETOUR ←	M4-9L	30"x24"
10	DETOUR →	M4-9R	30"x24"
11	← DETOUR	M4-10L	48"x18"
12	DETOUR →	M4-10R	48"x18"
13	DETOUR ←	-	30"x24"
14	DETOUR →	-	30"x24"
15	DETOUR ↑	-	30"x24"
16	JERICO RD	D3	48"x12" (ORANGE)
17	ROAD CLOSED	R11-2	48"x30"
18	BRIDGE OUT X MILES AHEAD LOCAL TRAFFIC ONLY	R11-3B	60"x30"
19	BRIDGE OUT	R11-2*	48"x30"
20	ROAD CLOSED TO THRU TRAFFIC	R11-4	60"x30"

INSET



FILE NAME = W:\Projects\2011\10202 JerichoPhl\cadd\Civil\Dgn\Shst\MOI\DETOUR_02.dgn

WBK

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris
PLOT SCALE = 1:1200
PLOT DATE = 7/9/2013

DESIGNED -
DRAWN - KMA
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
JERICO ROAD DETOUR PLAN

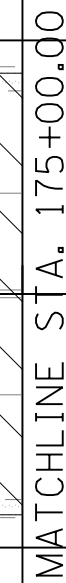
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

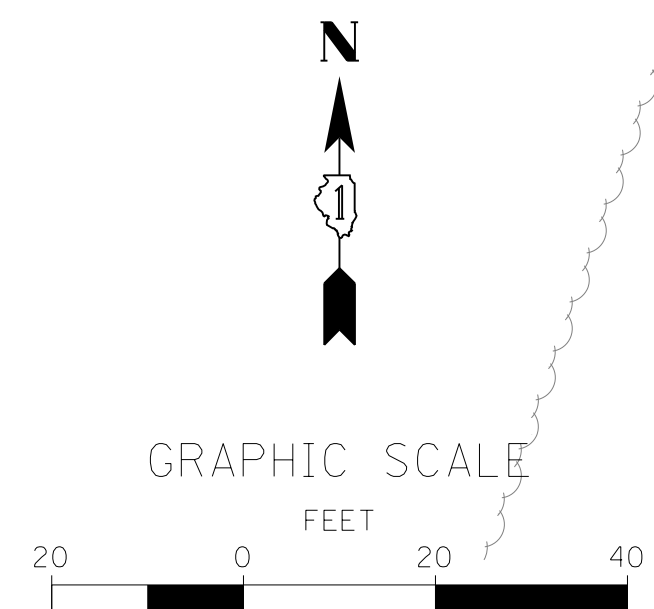
~~15"~~

1. ALL SIGN PANELS REMOVED SHALL REMAIN THE PROPERTY OF THE KANE COUNTY DIVISION OF TRANSPORTATION. ONCE PANELS HAVE BEEN REMOVED THE CONTRACTOR WILL RETURN THEM TO 41W011 BURLINGTON RD, ST. CHARLES, ILLINOIS 60175.
2. ALL GATE POSTS AND GATE HARDWARE SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF GATE REMOVAL.
3. CLEARING & GRUBBING, PER SEC. 201 OF THE STANDARD SPECIFICATIONS, SHALL NOT BE MEASURED SEPERATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF TREE REMOVAL.
4. WATERMAIN REMOVAL, 16" AND 12", NECESSARY TO MAKE THE PROPOSED CONNECTION TO THE NEW WATER MAIN, SHALL NOT BE MEASURED SEPERATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE CONNECTION TO EX. WATERMAIN, 16" AND 12" RESPECTIVELY.

1. SURVEYS FOR TREES WERE COMPLETED IN 2008. TREE DIAMETER SHOWN ON THE PLANS HAVE BEEN ADJUSTED TO COMPENSATE FOR GROWTH. THE CONTRACTOR SHALL COMPLETE A FIELD INVESTIGATION TO ESTIMATE QUANTITIES FOR TREE REMOVAL. THERE SHALL BE NO ADJUSTMENT TO THE UNIT COST FOR TREE REMOVAL DUE TO DIFFERENCES IN THE ESTIMATED AND ACTUAL FINAL MEASURED QUANTITY.



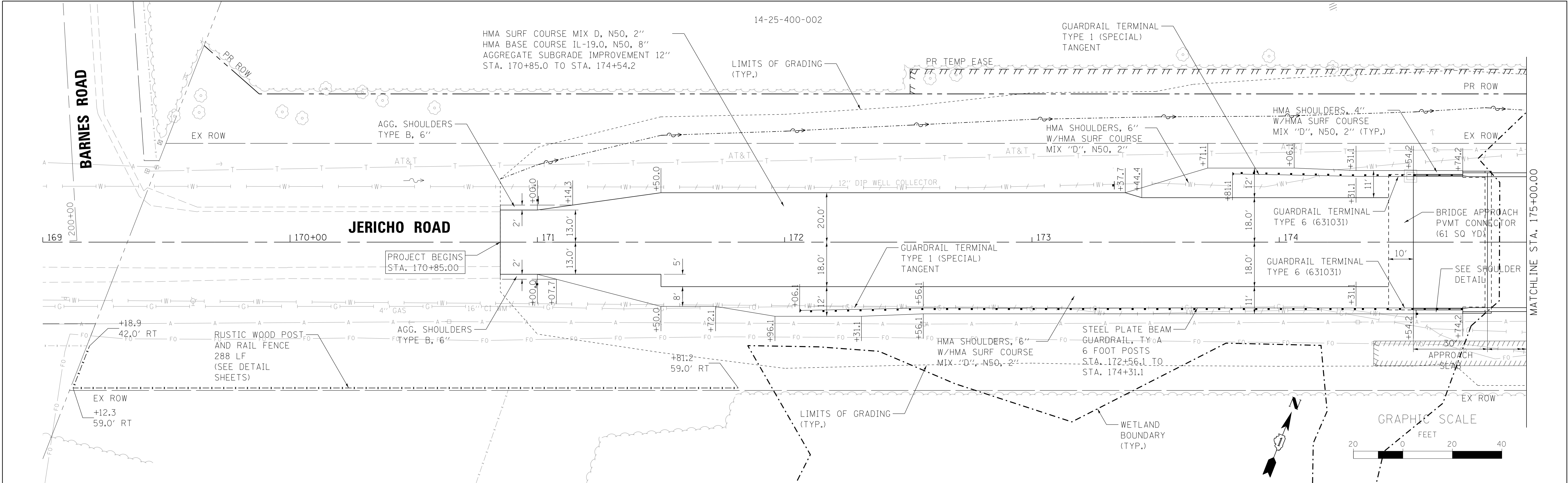
LOCATION STA., OFFSET	SIGN TYPE	DESCRIPTION	REMOVAL OR RELOCATE
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174+37.6, 23.5' LT	OM3-L	TYPE 3 OBJECT MARKER	REMOVAL
174+87.7, 23.5' LT	OM3-L	TYPE 3 OBJECT MARKER	REMOVAL
174+35.2, 28.8' RT	R12-4	BRIDGE WEIGHT LIMIT	REMOVAL
174+37.0, 24.4' RT	OM3-R	TYPE 3 OBJECT MARKER	REMOVAL
174+87.2, 23.0' RT	OM3-R, KANE COUNTY STREAMS & NAME PLATE	TYPE 3 OBJECT MARKER, KANE COUNTY STREAMS, BLACKBERRY CREEK	OM3-R, REM OTHERS, REL



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALLOTTED		
	FILE NAME		
	NO.		

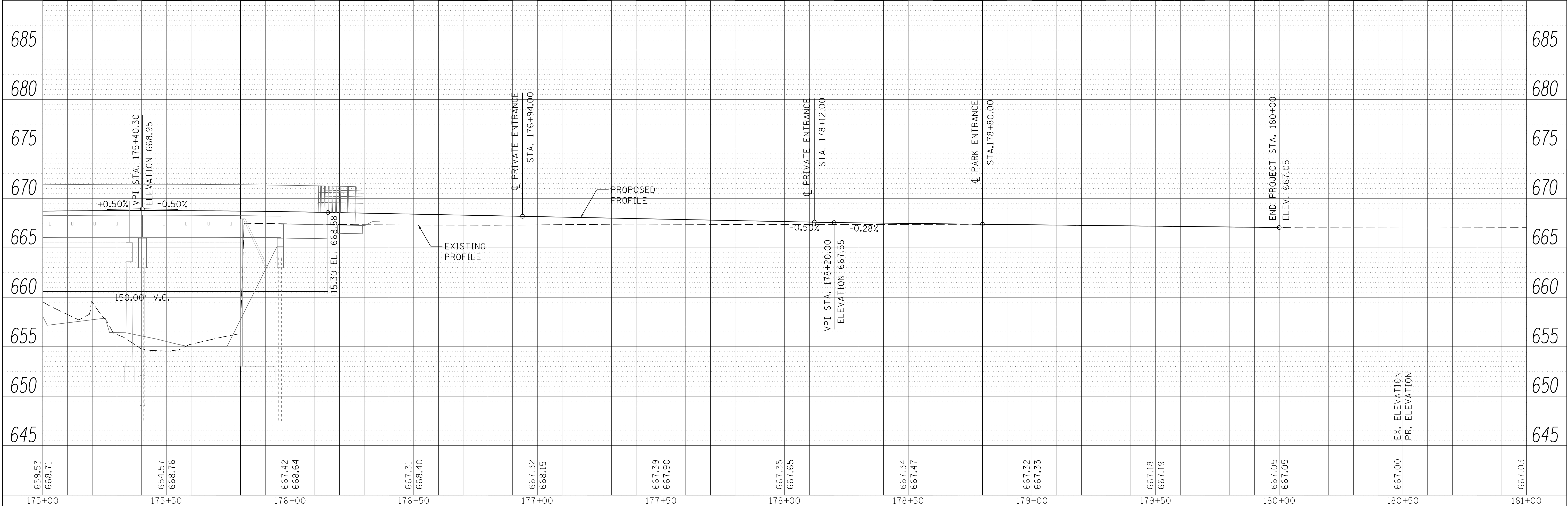
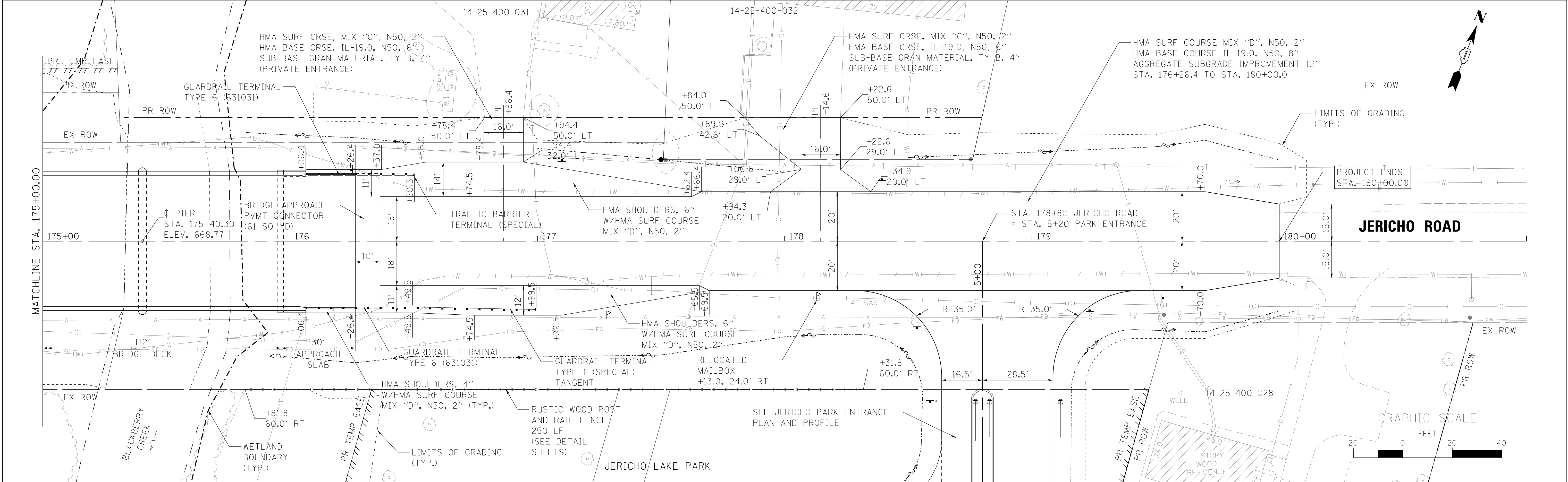
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<div></div> <div>WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174</div>	USER NAME = nparris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE JERICHO ROAD					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		1542	04-00329-00-BR	KANE	86	26					
	PLOT SCALE = 1:20	CHECKED -	REVISED -		CONTRACT NO.									
	PLOT DATE = 7/9/2013	DATE -	REVISED -		SCALE: 1"=20'	SHEET NO. 2	OF 3	SHEETS	STA. 175+00.00	TO STA. 180+00.00	ILLINOIS FED. AID PROJECT			

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WBK

WILLS BURKE KELSEY ASSOCIATES LTD.

116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED -	REVISED -
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PLOT DATE = 7/9/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
& SEEDING PLAN

SCALE: 1"=20' SHEET NO. 1 OF 5 SHEETS STA. 170+85.00 TO STA. 175+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	28
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

NOTES

1. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER ON WHETHER GROUND PREPERATION, TOPSOIL, OR SEEDING IS REQUIRED FOR AREAS BETWEEN STA. 169+10.80 AND STA. 170+85.00, RT/LT. SPOT REPAIR MAY ONLY BE NEEDED DEPENDING ON THE AMOUNT OF DISTURBANCE DUE TO FENCE INSTALLATION AND UTILITY RELOCATION. THE QUANTITY HAS BEEN ADDED TO THE PLANS TO COMPLETE THE ENTIRE AREA BETWEEN STA. 169+10.80 AND STA. 170+85.00, RT/LT.
2. SEE DETAIL SHEET 4 OF 4 FOR SEEDING LISTS.

LEGEND

SEEDING, CL 2A &
EROSION CONTROL BLANKET

SEEDING, CL 4
SEEDING, CL 5
& EROSION CONTROL BLANKET

SEEDING, CL 1 &
EROSION CONTROL BLANKET

SEEDING, CL 4A AND
EROSION CONTROL BLANKET

SEEDING, CL 4 (MODIFIED)
(SHADED STREAMBANK)
& EROSION CONTROL BLANKET

SEEDING, CL 4
SEEDING, CL 5B
& EROSION CONTROL BLANKET

TEMPORARY DITCH CHECK

TEMPORARY TREE TRUNK
PROTECTION

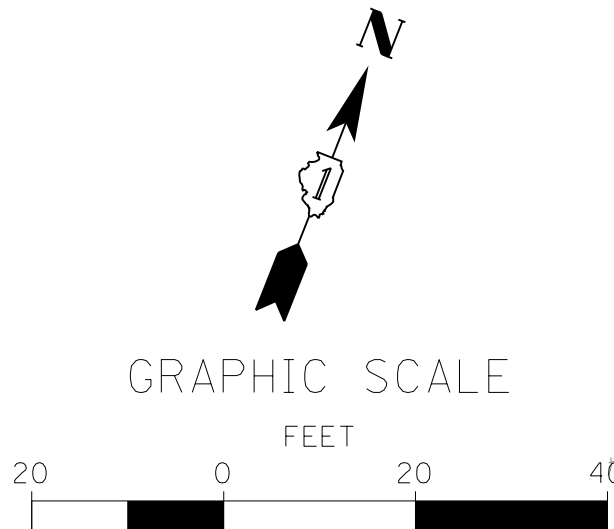
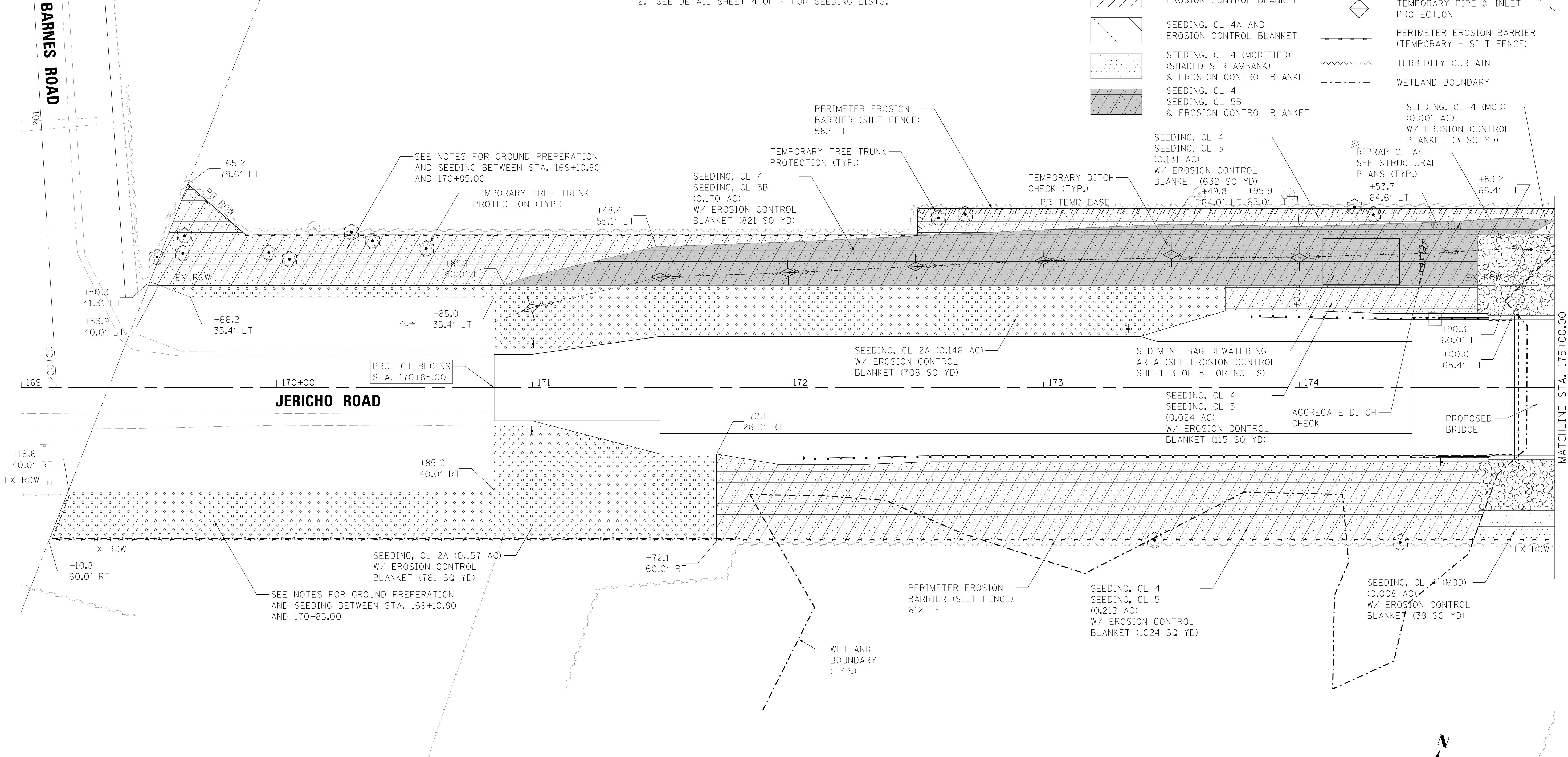
TREE PROTECTION FENCING

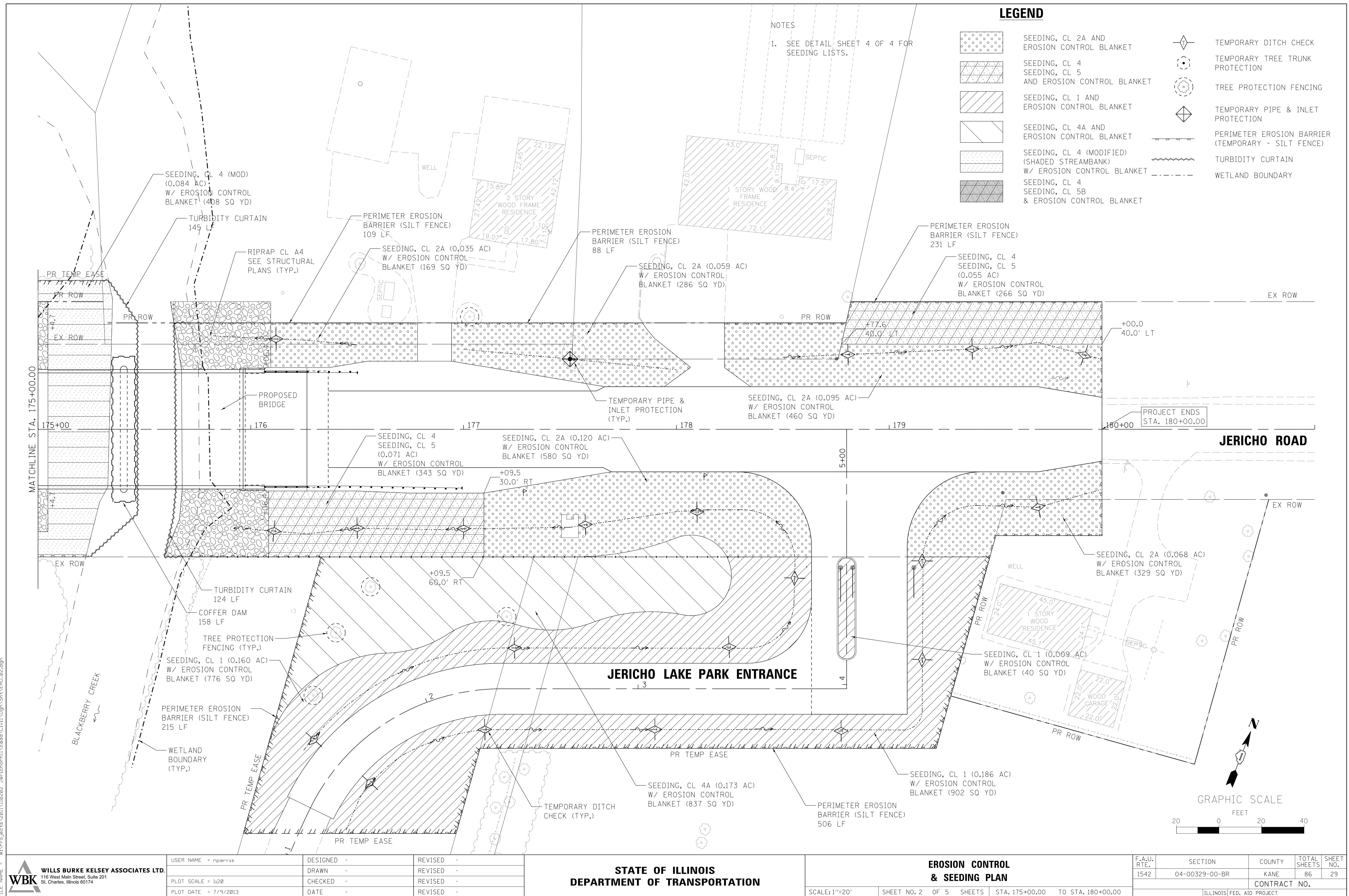
TEMPORARY PIPE & INLET
PROTECTION

PERIMETER EROSION BARRIER
(TEMPORARY - SILT FENCE)

TURBIDITY CURTAIN

WETLAND BOUNDARY





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EROSION CONTROL INSPECTION

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

WINTER SHUT DOWN

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

TEMPORARY DITCH CHECKS

TEMPORARY DITCH CHECKS WILL BE REQUIRED AT THOSE LOCATIONS WHERE THE CONTRACTORS OPERATIONS REQUIRE TEMPORARY OR PERMENTENT DITCHES. THE LOCATION OF TEMPORARY DITCH CHECKS ARE SHOWN ON THE PLANS. THE EXACT LOCATION MAY REQUIRE FIELD ADJUSTMENT AND WILL BE COORDINATED IN THE FIELD WITH THE ENGINEER. THE QUANTITIES INCLUDE A PLAN ALLOWANCE OF FIVE (5) ADDITIONAL TEMPORARY DITCH CHECKS FOR MAINTENANCE PURPOSES. TEMPORARY DITCH CHECKS SHALL BE CONSTRUCTED AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

PERIMETER EROSION BARRIER (SILT FENCE)

PERIMETER EROSION CONTROL BARRIER (SILT FENCE) SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PLANS. THE PERIMETER EROSION CONTROL BARRIER SHALL BE CONSTRUCTED AS DETAIL ON IDOT STANDARD 280001 AND AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

STOCK PILE LOCATIONS AND PROTECTING STOCK PILE AREAS

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

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

STABILIZED CONSTRUCTION AREA

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

WORK IN FLOWING WATER

NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS

DEWATERING

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

KEEPING PAVEMENTS CLEAN

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

GENERAL NOTES

- A) UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, LATEST EDITION.
- B) THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- C) A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- D) PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.
- E) THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
- F) DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES, STORMWATER STRUCTURES, OR BLACKBERRY CREEK IS PROHIBITED.
- G) IT IS THE RESPONSIBILITY OF THE OWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

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

- A. CLASS 4B
CLASS 5B
CLASS 4
CLASS 5
- C. TEMPORARY SEEDING (PERENIAL RYE GRASS, SPRING OATS)

D. EROSION CONTROL BLANKET (EXCELSIOR) AND HEAVY DUTY EROSION CONTROL BLANKET (PERMANENT SEED AREAS ONLY)
- B. INCREASE SEEDING RATES BY 25% WHEN DORANT SEEDING (NOT ANTICIPATED)

* IRRIGATION MAY BE NEEDED DURING JUNE AND JULY
NOTE: SEEDING TO BE COMPLETED PER REQUIREMENTS OF SECTION 250 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES AND THE SPECIAL PROVISIONS.

- H) 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 SEVENTH DAY AFTER WORK HAS CEASED.
- I) THE CONTRACTOR IS RESPONSIBLE FOR INDICATING THE CURRENT LOCATION OF THE CONCRETE WASHOUT AND ANY MODIFICATIONS TO THE LOCATIONS OR DETAILS OF EROSION AND SEDIMENT CONTROLS ON THESE PLANS.

STABILIZED CONSTRUCTION ENTRANCE

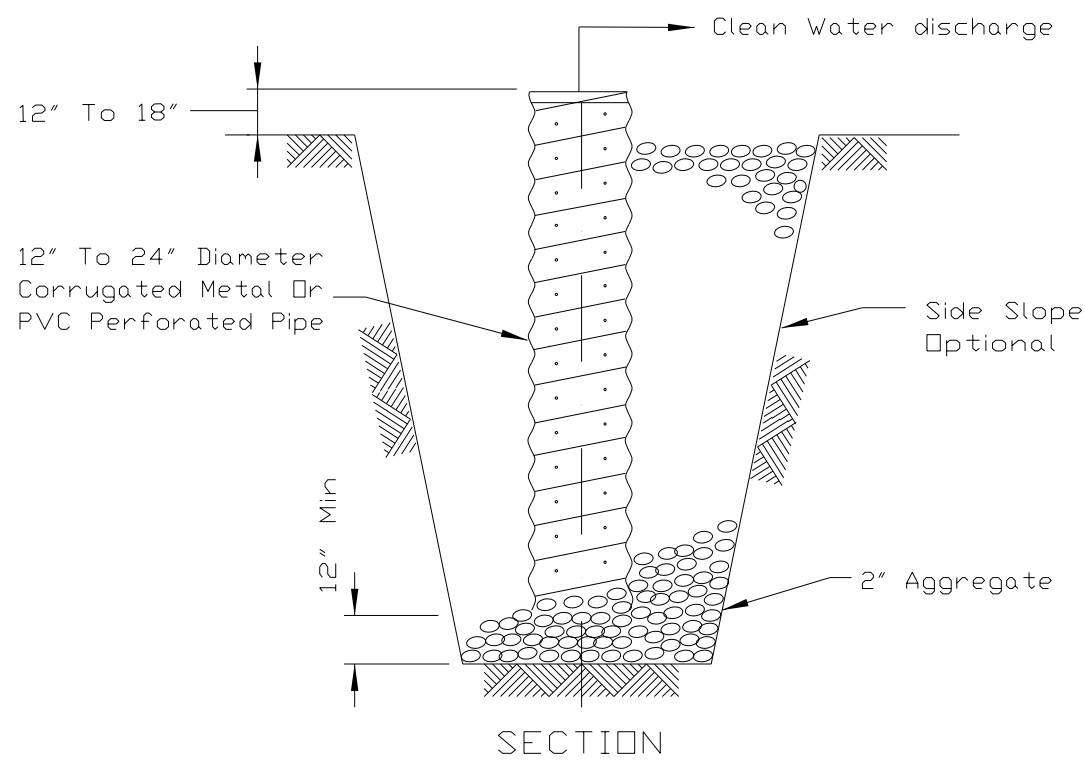
A STABILIZED CONSTRUCTION ENTRANCE IS NOT ANTICIPATED FOR THIS PROJECT. HOWEVER, IF IT IS DETERMINED BY THE ENGINEER OR THE KANE-DUPAGE SOIL AND WATER CONVERSATION DISTRICT THAT THE CONTRACTOR OPERATIONS REQUIRE A STABILIZED ENTRANCE, QUANTITY HAS BEEN INCLUDED IN THE PROJECT TO COMPLETE THIS WORK. THERE WILL BE NO ADJUSTMENT TO THE CONTRACT IF THE ENTRANCE IS NOT CONSTRUCTED. IF REQUIRED, THE CONTRACTOR WILL SUBMIT THE LOCATION AND DETAILS TO KDSWCD FOR APPROVAL.

CONSTRUCTION SEQUENCE NOTES

- A) TURBIDITY CURTAINS SHOULD BE PLACED IN THE CREEK PRIOR TO ANY DEMOLITION TO THE BRIDGE DECK AND/OR PIERS.
- B) CONSTRUCTION OF PIERS, EMBANKMENT AND RIP RAP ARE ANTICIPATED TO REQUIRE WORK WITHIN THE CREEK, WORK MUST BE TIMED TO TAKE PLACE DURING LOW FLOW CONDITIONS.
- C) BYPASS IS NOT ANTICIPATED FOR THIS PROJECT. HOWEVER, IF BYPASS IS NECESSARY, THE INLET OF THE HOSE SHALL BE PLACED IN A SUMP PIT AND THE OUTLET PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE CREEK FLOW.
- D) IF DEWATERING THE CONSTRUCTION AREA IS NECESSARY, ALL WATERS SHALL BE FILTERED BY USING FILTER BAGS OR AN ALTERNATIVE MEASURE. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO RETURN TO THE ORIGINAL CREEK.
- E) THE SIDE SLOPES MUST BE RESEEDDED AND STABILIZED WITH AN APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS. THE BOTTOM OF THE SWALE MUST BE BROUGHT BACK TO ITS ORIGINAL GRADE AND STABLE ENOUGH TO ACCEPT FLOWS.

DEWATERING - BASIS OF PAYMENT

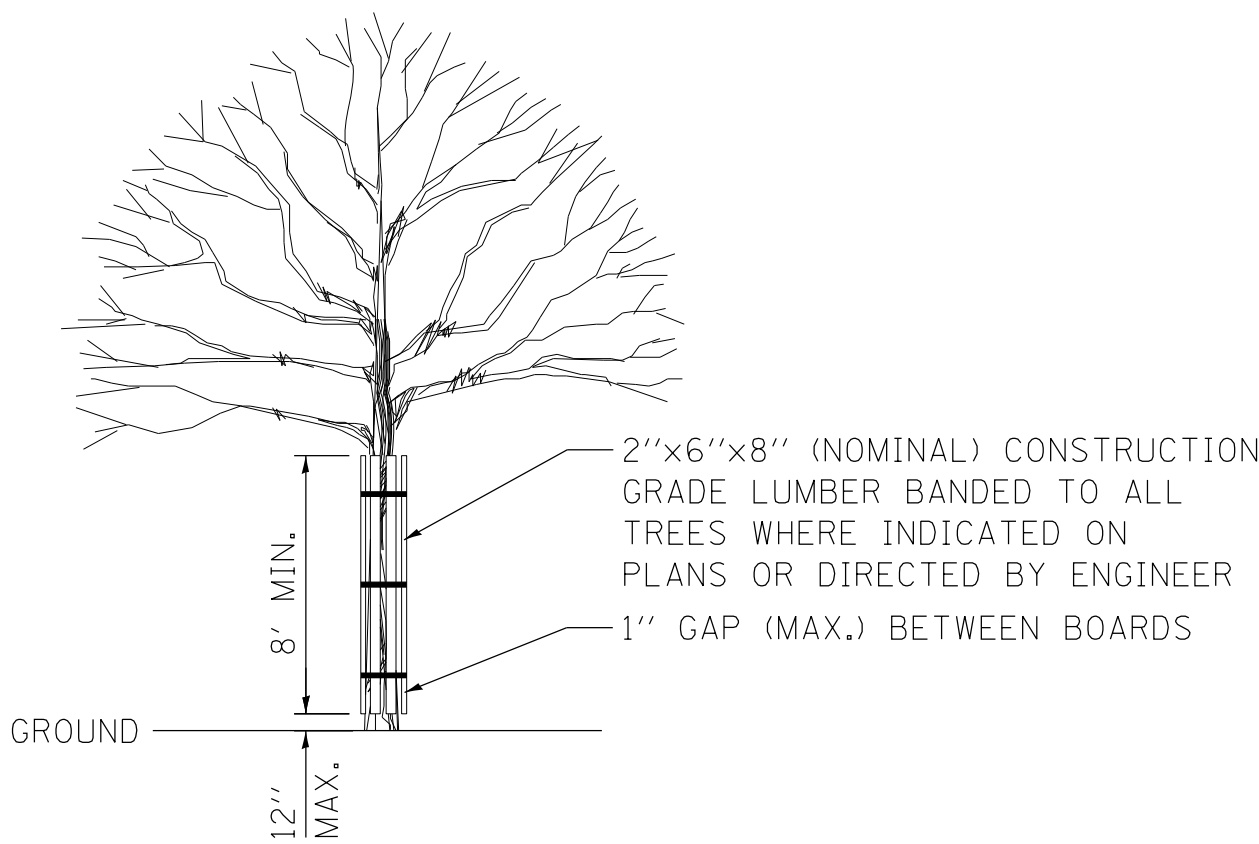
DEWATERING FOR ALL CONSTRUCTION OPERATIONS WILL NOT BE MEASURED SEPERATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE RELATED WORK ITEM REQUIRING DEWATERING. DEWATERING WILL INCLUDE MEANS, METHODS AND ALL MATERIALS TO DEWATER AND TO PROVIDE FILTRATION OF WATERS BEFORE RE-ENTERING THE CREEK.



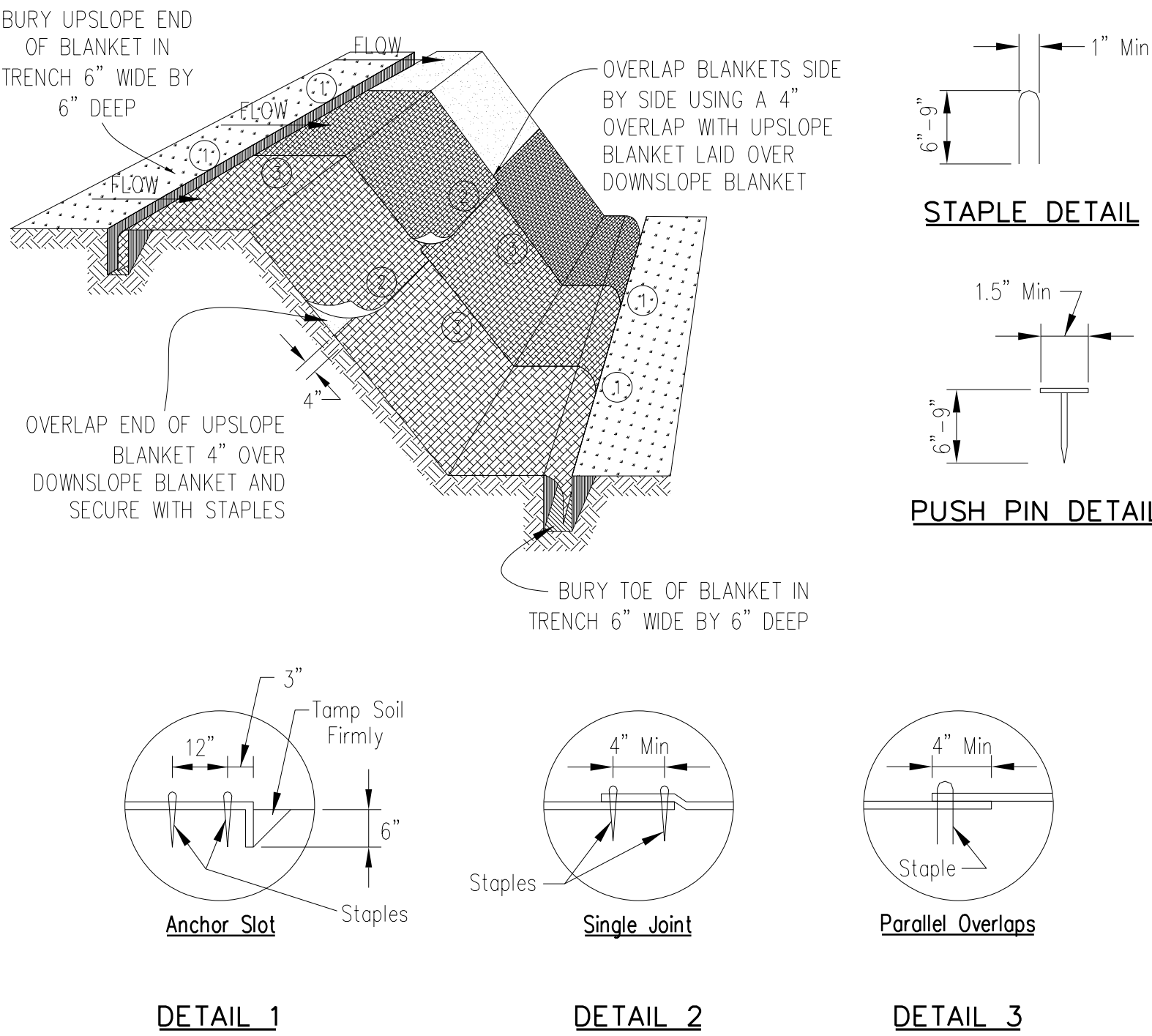
NOTES:

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

SUMP PIT PLAN



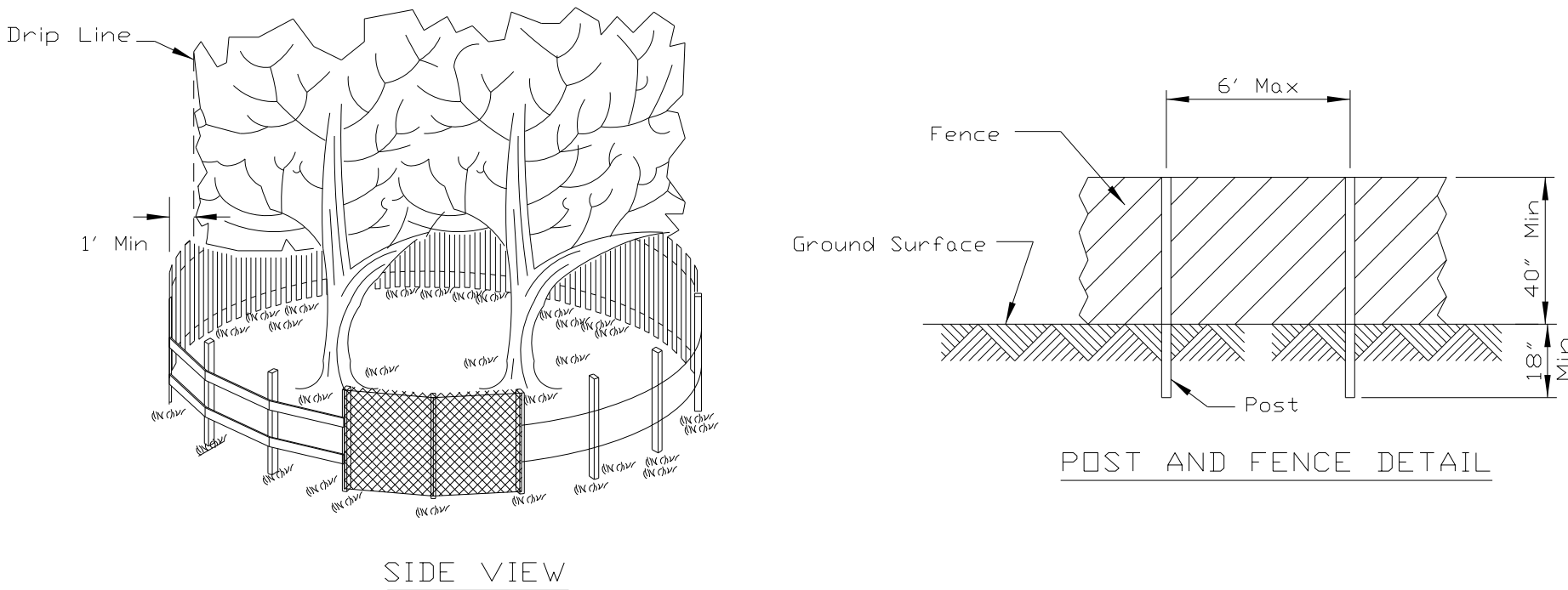
TREE TRUNK PROTECTION



NOTES:

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

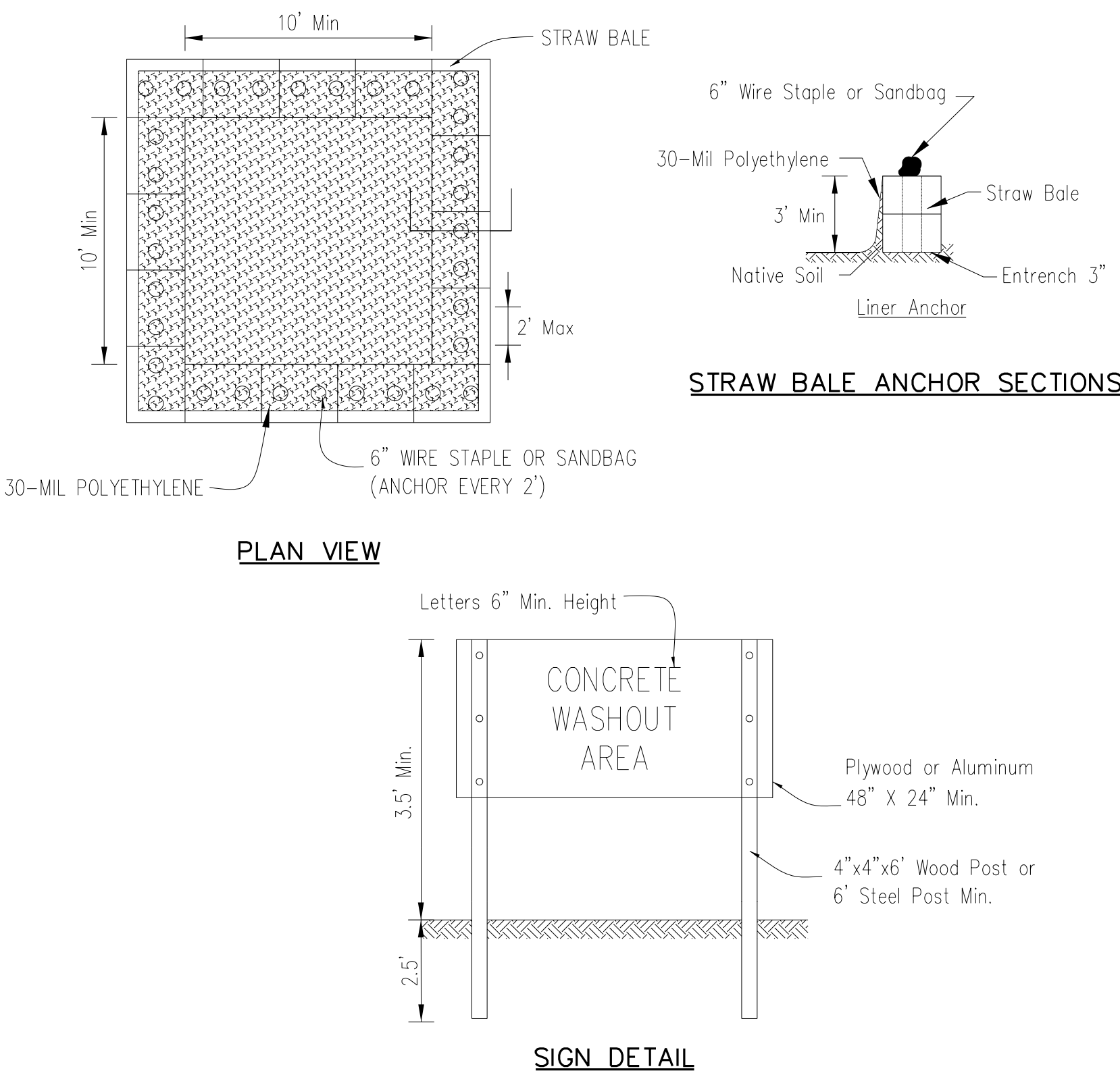
EROSION CONTROL
BLANKET INSTALLATION DETAILS



NOTES:

1. THE FENCE SHALL BE LOCATED A MINIMUM OF 1 FOOT OUTSIDE THE DRIP LINE OF THE TREE TO BE SAVED AND IN NO CASE CLOSER THAN 5 FEET TO THE TRUNK OF ANY TREE.
2. FENCE POSTS SHALL BE EITHER STANDARD STEEL POSTS OR WOOD POSTS WITH A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQ. IN.
3. THE FENCE MAY BE EITHER 40" HIGH SNOW FENCE, 40" PLASTIC WEB FENCING OR ANY OTHER MATERIAL AS APPROVED BY THE ENGINEER/INSPECTOR.
4. TO BE PAID FOR AS "TEMPORARY CONSTRUCTION FENCE."

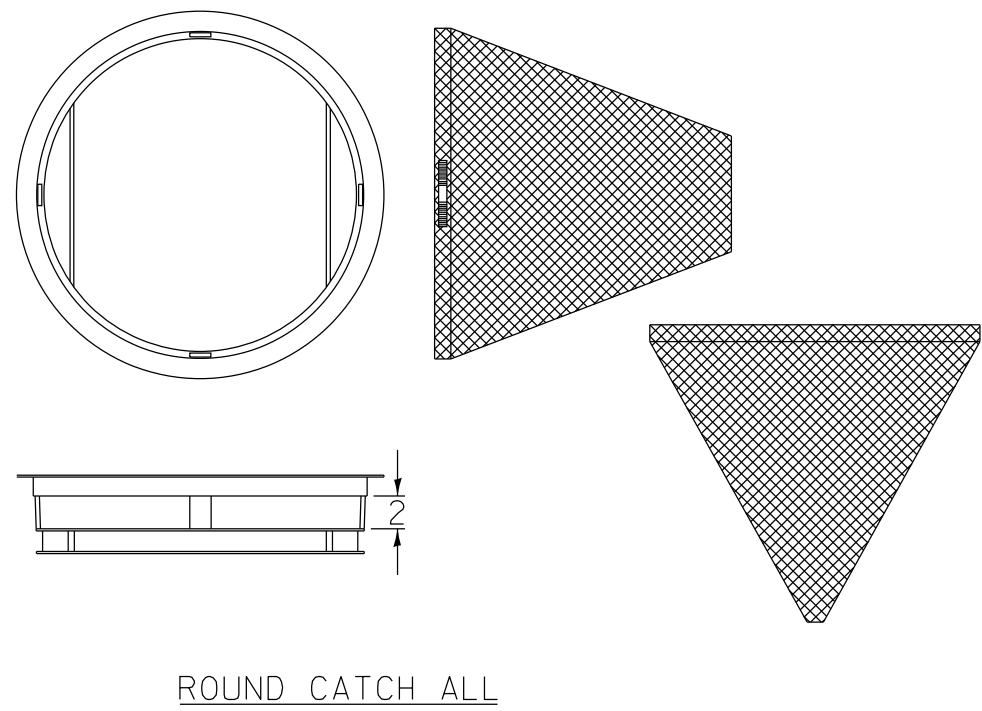
TREE PROTECTION FENCING



NOTES:

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

TEMPORARY CONCRETE
WASHOUT FACILITY – STRAW BALE




GENERAL NOTES

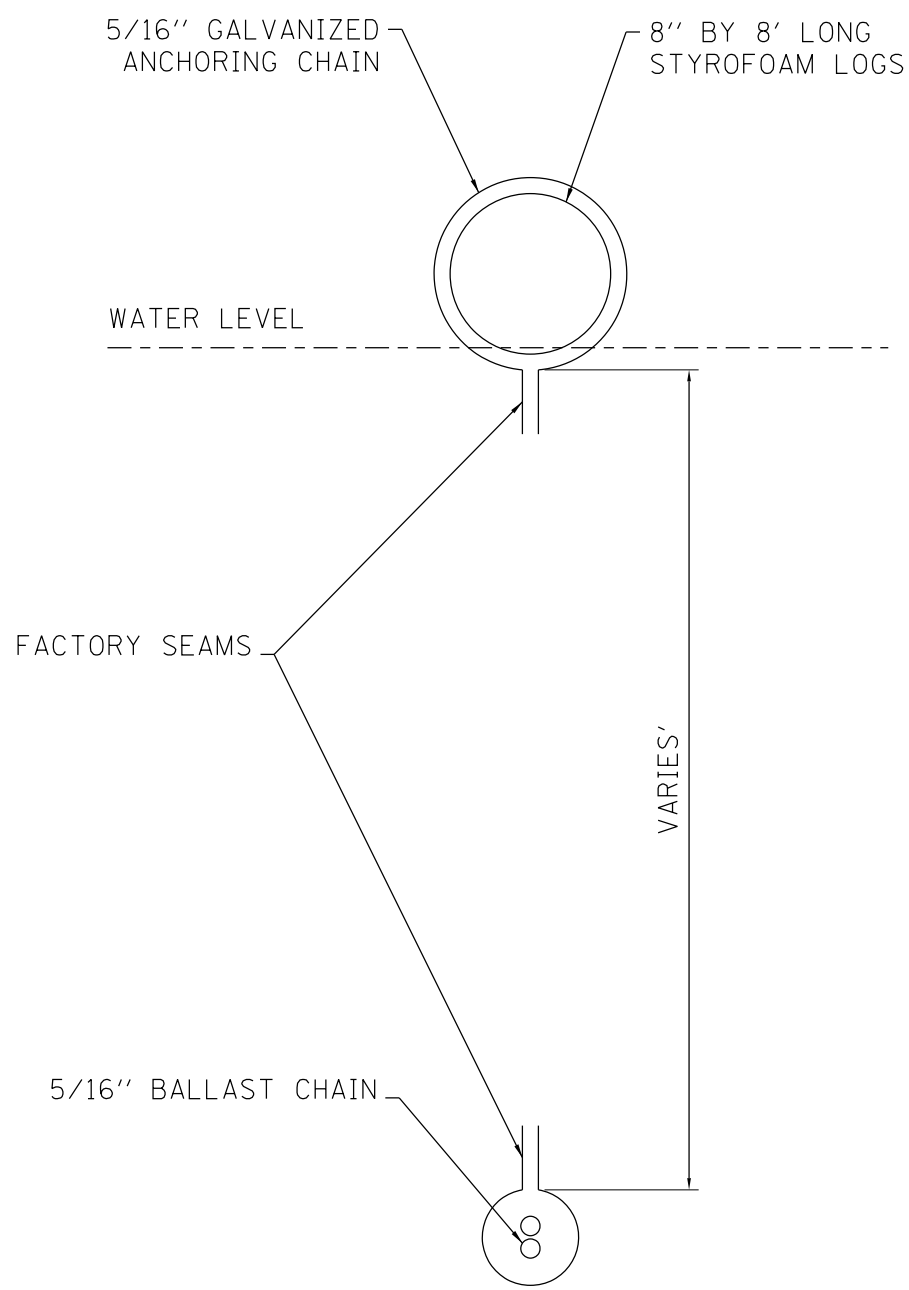
FRAME: TOP FLANGE FABRICATED FROM 1/4"x1/4"x1/8" ANGLE. BASE RIM FABRICATED FROM 1/2"x1/2"x1/8" CHANNEL. HANDLS AND SUSPENSION BRACKETS FABRICATED FROM 1/4"x1/4" FLAT STOCK, ALL STEEL CONFORMING TO ASTM-A36.

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

INLET PROTECTION DETAIL

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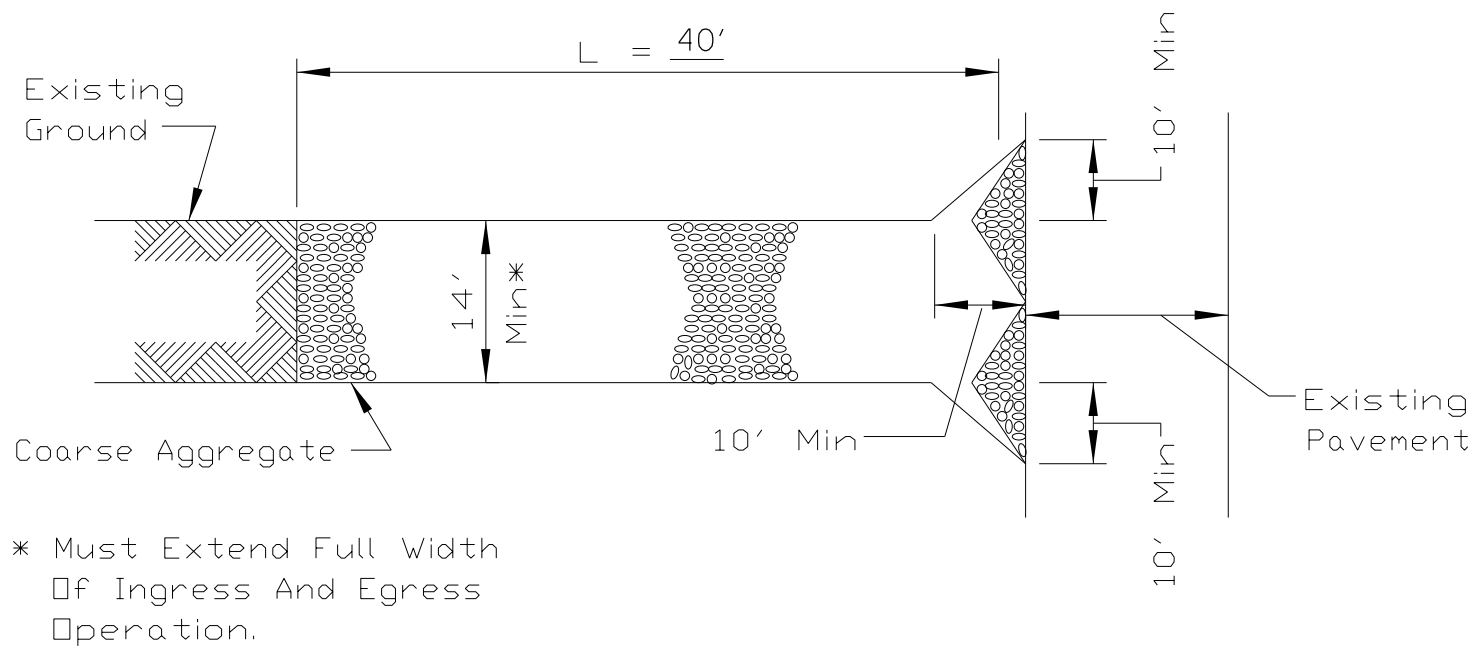
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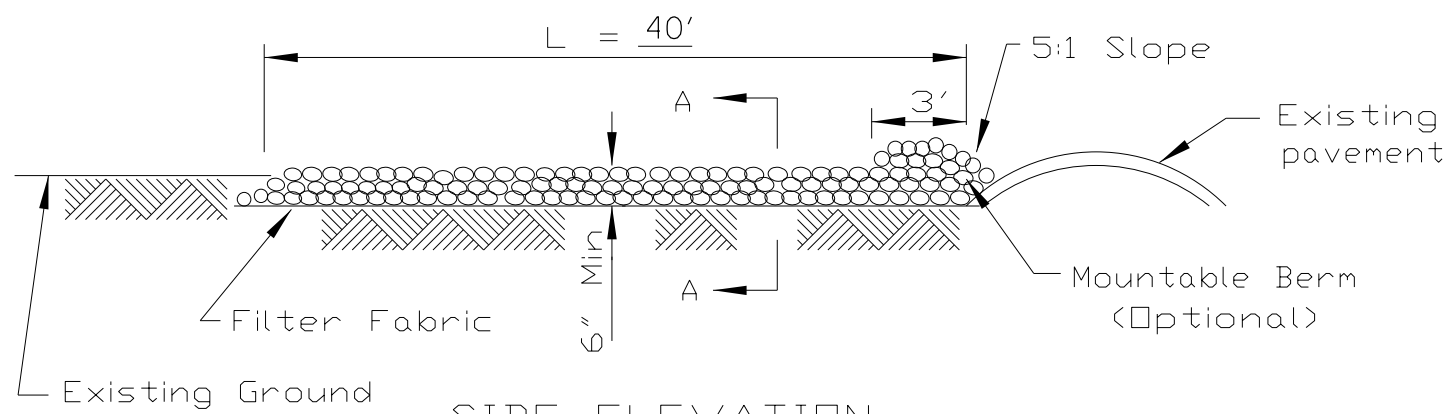
**SECTION
TURBIDITY BARRIER
(FLOATING SILT CURTAIN)
N.T.S**

NOTES:

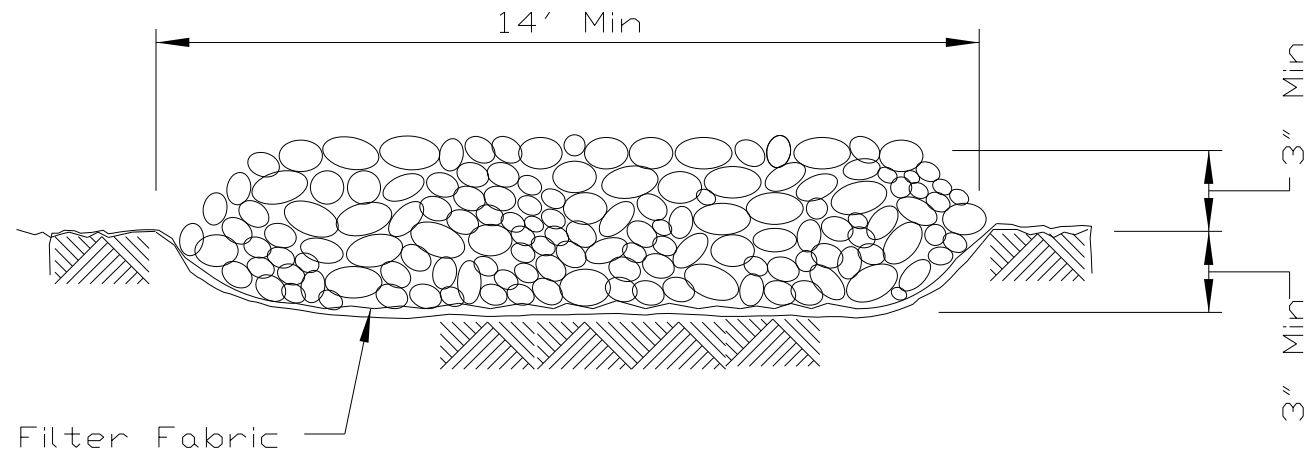
1. THE SILT CURTAIN SHALL BE INSTALLED IN SUCH A MANNER AS TO PREVENT DRIFT SHOREWARD OR DOWNSTREAM. THE FLOATATION LOG SHALL BE SECURELY ATTACHED TO THE FABRIC IN BOTH THE HORIZONTAL ANDVERTICAL DIRECTION.
2. THE 5/16-INCH CABLE SHALL BE ATTACHED ABOVE THE FLOATATION MEMBERS AND EXTEND THE ENTIRE LENGTH OF EACH SECTION OF SILT CURTAIN. A 5/16-INCH CHAIN SHALL BE SEALED ON THE LOWER HEM FOR BALLAST.
3. CONNECTORS SHALL JOIN THE MAIN LOAD LINE AND BALLAST CHAIN TO CARRY ALL TENSILE PRESSURE. THE FABRIC SHALL BE JOINTED FOR ITS ENTIRE HEIGHT.
4. ANCHORAGE'S SHALL BE INSTALLED ON BOTH SHORE AND STREAM SIDE TO MAXIMUM STABILITY. SHORE ANCHORS SHALL CONSIST OF A POST WITH DEADMAN OR APPROVED EQUAL. STREAM ANCHORS SHALL BE OF SUFFICIENT SIZE, TYPE AN STRENGTH TO STABILIZE THE BARRIER BEYOND THE CONSTRUCTION AREA.
5. ANCHORS SHALL BE BUOYED TO PREVENT THE SILT CURTAIN FROM BEING PULLED UNDER WATER. DANFORTH-TYPE ANCHORS SHALL BE USED IN SANDY BOTTOM AND HEAVY KEDGE TYPE OR MUSHROOM ANCHORS ON MUD BOTTOMS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE SILT CURTAIN THROUGHOUT CONSTRUCTION OPERATIONS.
7. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL REMOVE THE SILT CURTAIN IN A MANNER THAT WILL PREVENT SILTATION OF THE RIVER/CREEK.
8. THE TURBIDITY CURTAIN/SILT CURTAIN SHOULD BE PLACED IN THE CREEK PRIOR TO ANY DEMOLITION TO THE BRIDGE DECK AND/OR PIERS.



PLAN VIEW



SIDE ELEVATION



SECTION A-A

NOTES:

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

**STABILIZED CONSTRUCTION
ENTRANCE PLAN**

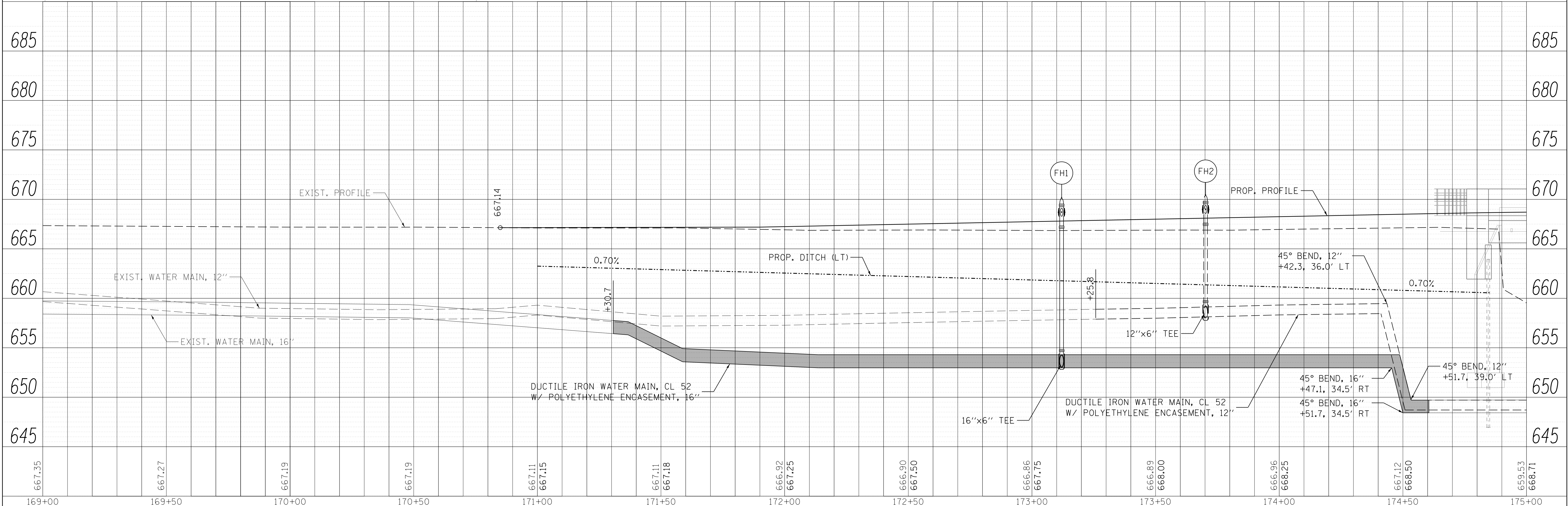
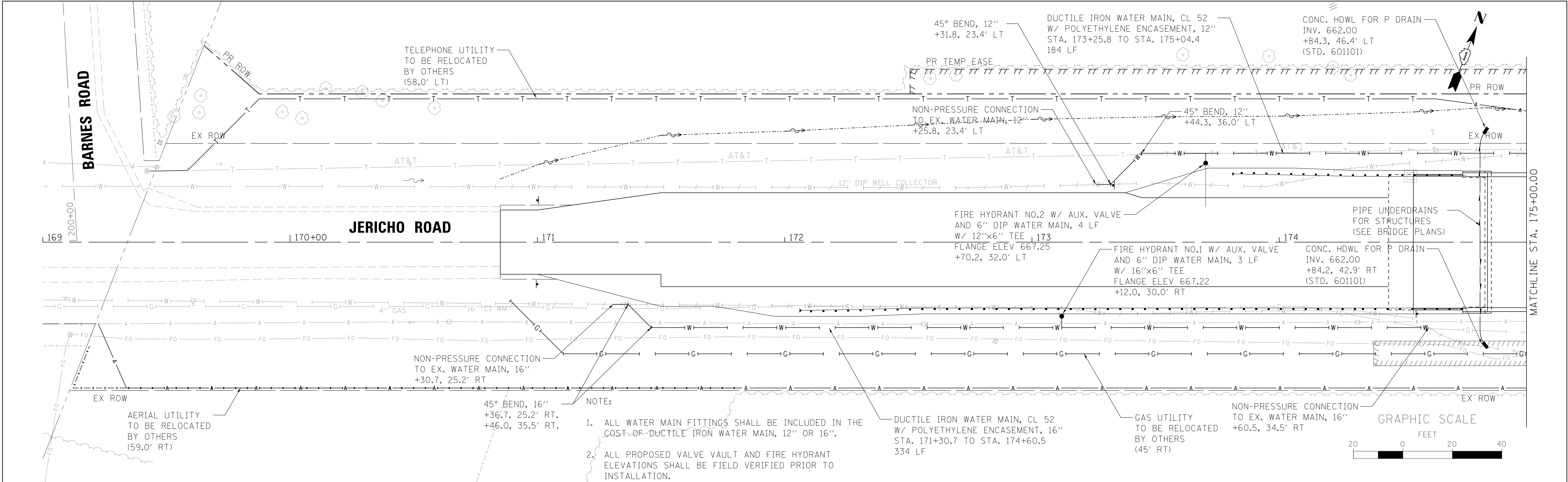
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 WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nparris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL & SEEDING DETAILS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
SCALE: N/A		SHEET NO. 5 OF 5 SHEETS		STA.		TO STA.						

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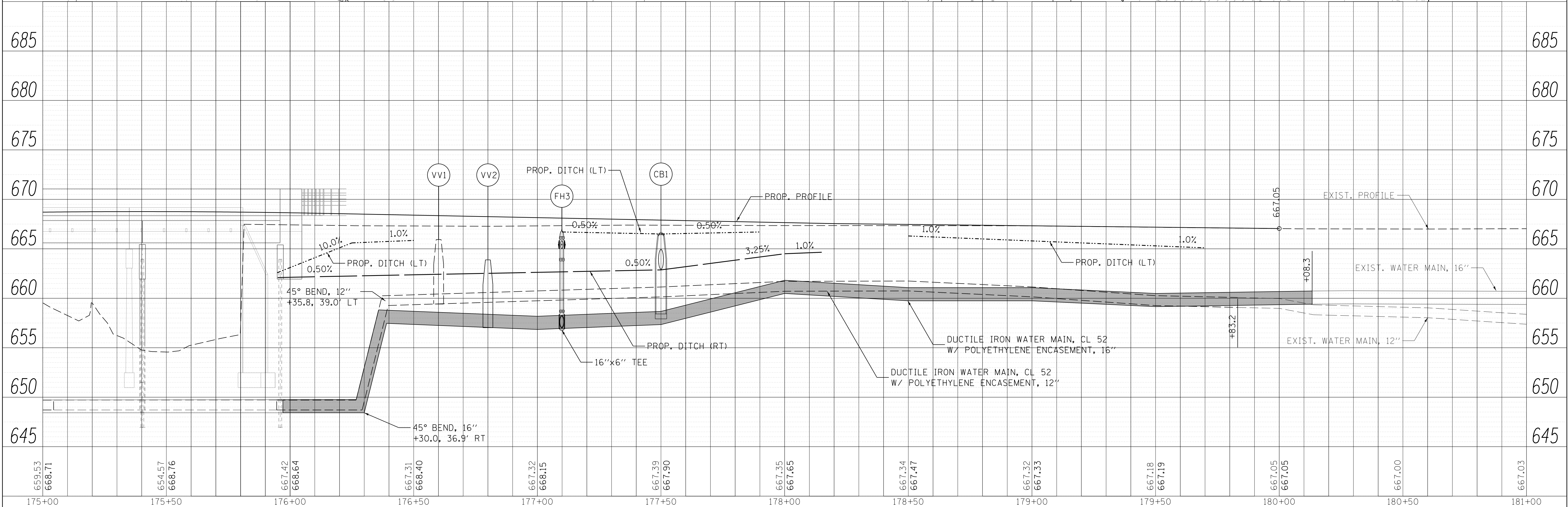
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	NO.		

FILE NAME = \\N:\Projects\2011\10202 JerichoPHU\cadd\Civil\Drawn\Drawn_01.dgn

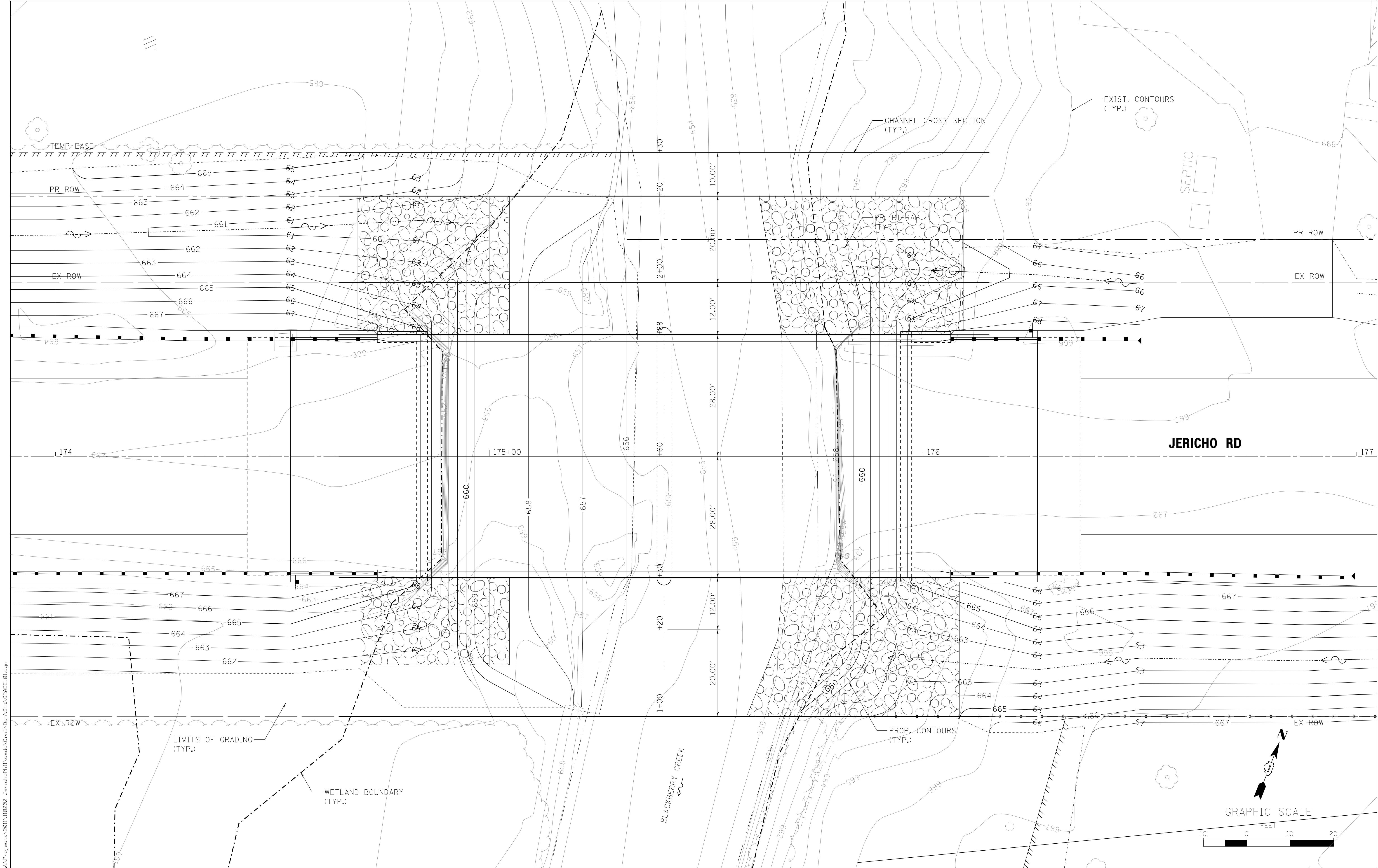


<div><div>WBK</div><div>WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174</div></div>	USER NAME = nparris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITY PLAN & PROFILE					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:20	CHECKED -	REVISED -							1542	04-00329-00-BR	KANE	86	33
	PLOT DATE = 7/9/2013	DATE -	REVISED -							CONTRACT NO.				
	ILLINOIS FED. AID PROJECT													
SCALE: 1"=20'		SHEET NO. 1 OF 2 SHEETS		STA. 170+85.00 TO STA. 175+00.00										

PROFILE		SURVEYED	BY	DATE
		PILOTED		
NOTE BOOK		GRADES CHECKED		
NO. _____		B/LM NOTED		
		STRUCTURE NOTATIONS CHECKED		



 WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nporris	DESIGNED -	REVISED -	<div style="text-align: center;"> STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION </div>	<div style="text-align: center;"> DRAINAGE & UTILITY PLAN & PROFILE </div>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:20	DRAWN -	REVISED -						1542	04-00329-00-BR	KANE	86	34
	PLOT DATE = 7/9/2013	CHECKED -	REVISED -		CONTRACT NO.								
	DATE -	REVISED -	SCALE: 1"=20'		SHEET NO. 2 OF 2 SHEETS	STA. 175+00.00 TO STA. 180+00.00							
					ILLINOIS FED. AID PROJECT								



FILE NAME = W:\Projects\2011\102022_JerichoPh\1\cadd\Civil\Drawn\Shd\GRADE_01.dgn



WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED -	REVISED -
PLOT SCALE = 1:10	DRAWN -	REVISED -
PLOT DATE = 7/9/2013	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

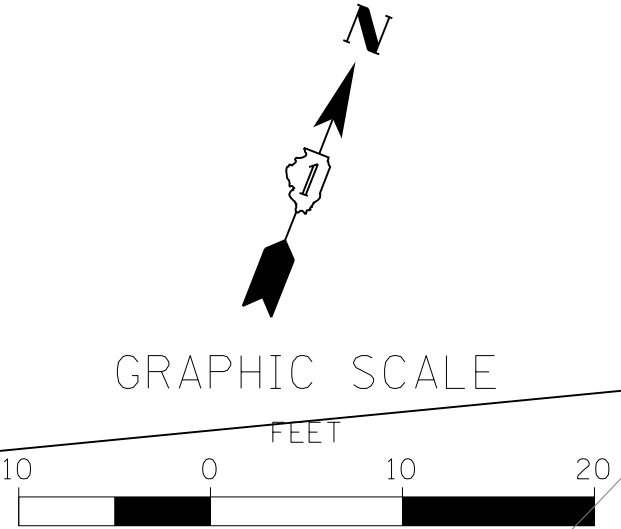
CHANNEL GRADING PLAN

SCALE: 1"=10'

SHEET NO. 1 OF 1 SHEETS

STA. TO STA.

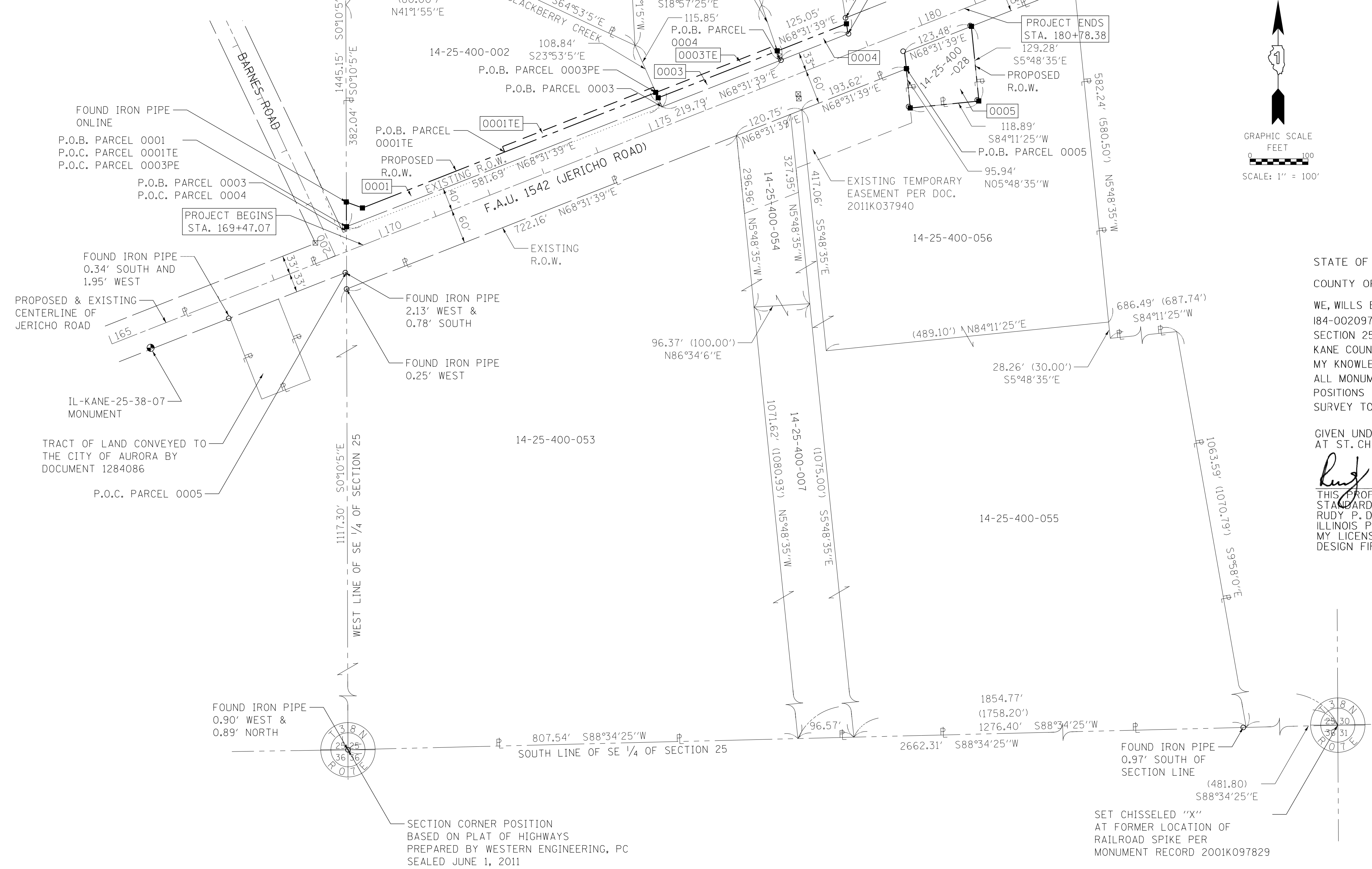
F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 86	SHEET NO. 35
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



PART OF THE SOUTHEAST QUARTER OF SECTION 25, T.38, R7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS

EXISTING R.O.W. RECORDED INFORMATION		
PARCEL	DOCUMENT NO.	DATE RECORDED
0001	CASE 76ED7850	DEC. 17, 1976
	365212	JUNE 17, 1933
	365213	JUNE 17, 1933
	365214	JUNE 17, 1933
0003	358550	AUG. 3, 1932
	365212	JUNE 17, 1933
	365213	JUNE 17, 1933
	365214	JUNE 17, 1933
0004	358550	AUG. 3, 1932
0005	358550	AUG. 3, 1932
14-25-400-053	1348735	DEC. 16, 1975
14-25-400-054	365212	JUNE 17, 1933
14-25-400-055	365213	JUNE 17, 1933
14-25-400-056	365214	JUNE 17, 1933

NOTE: THE LOCATION OF ALL R.O.W. DOCUMENTS SHOWN ON PAGES 3 & 4



LEGEND

- 1 3 8 N
26 25
35 36
R 0 7 E

SECTION
CORNER

1 3 8 N
25 25
36 36
R 0 7 E

QUARTER
SECTION
CORNER

SECTION LINE

QUARTER SECTION LINE

PROPERTY LINE

CENTERLINE

EXISTING R.O.W. LINE

EXISTING EASEMENT LINE

PROPOSED R.O.W. LINE

PROPOSED EASEMENT LINE

XXX.XX'

(XXX.XX')

MEASURED DIMENSION

oIP

IRON PIPE OR ROD FOUND

o

FOUND DISK

APK

P.K. NAIL FOUND

o

R.O.W. MARKER FOUND

T1

THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

BT1

THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

BT2

BT3

■

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD 83 (2007 ADJUSTMENT), EAST ZONE.
- STATE OF ILLINOIS)
COUNTY OF KANE) SS

WE, WILLS BURKE KELSEY ASSOCIATES, ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER 184-002097, DO HEREBY DECLARE THAT THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 25, TOWNSHIP 38 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

GIVEN UNDER MY HAND AND SEAL THIS 9th DAY OF MAY A.D., 2013 AT ST. CHARLES, ILLINOIS.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
RUDY P. DIXON
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3832
MY LICENSE EXPIRES NOVEMBER 30, 2014
DESIGN FIRM LICENSE EXPIRES APRIL 30, 2015
-
- | PLAT OF HIGHWAYS | | | |
|--|--|--|--|
| STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 1542 (JERICHO ROAD) | | | |
| LIMITS: SEE STA. RANGE COUNTY: KANE
SECTION: 04-00329-00-BR JOB NO.: R-91-019-07
STATION 169+47.07 TO STATION 180+78.38
SCALE: 1"=100' SHEET 2 OF 4 | | | |
| BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196 | | | |
- | | | | | | | | | | | | | |
|---|----------------------|--------------|-------------|--|--|--|---------------------------|------------------|------------------------|-------------|-----------------|--------------|
| <div><div>WILLIS BURKE KELSEY ASSOCIATES LTD.</div><div>116 West Main Street, Suite 201
St. Charles, Illinois 60174</div></div> | USER NAME : nparris | DESIGNED : - | REVISED : - | STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION | JERICHO ROAD OVER BLACKBERRY CREEK
PLAT OF HIGHWAYS | | | F.A.U. RTE. 1542 | SECTION 04-00329-00-BR | COUNTY KANE | TOTAL SHEETS 86 | SHEET NO. 36 |
| | PLOT SCALE : 1:100 | DRAWN : - | REVISED : - | | | | | | | | | |
| | PLOT DATE : 7/9/2013 | CHECKED : - | REVISED : - | | | | | | | | | |
| | | DATE : - | REVISED : - | | | | | | | | | |
| REVISION DATE: REVISION MADE BY | | | | SCALE: N.T.S. SHEET NO. 1 OF 3 SHEETS STA. TO STA. | | | ILLINOIS FED. AID PROJECT | | | | | |
- FOR REFERENCE ONLY - NOT TO SCALE

PART OF THE SOUTHEAST QUARTER OF SECTION 25, T.38, R7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE

QUARTER SECTION LINE

PROPERTY LINE

CENTERLINE

EXISTING R.O.W. LINE

EXISTING EASEMENT LINE

PROPOSED R.O.W. LINE

PROPOSED EASEMENT LINE

MEASURED DIMENSION

RECORDED DATA

IRON PIPE OR PIN FOUND

FOUND DISK

P.K. NAIL FOUND

R.O.W. MARKER FOUND

XXX.XX'

(XXX.XX')

oIP

△PK

■

●T1

T2

T3

THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

●BT1

BT2

BT3

THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD 83 (2007 ADJUSTMENT), EAST ZONE.

STATE OF ILLINOIS)
) SS
COUNTY OF KANE)

WE, WILLS BURKE KELSEY ASSOCIATES, ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER 184-002097, DO HEREBY DECLARE THAT THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 25, TOWNSHIP 38 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

GIVEN UNDER MY HAND AND SEAL THIS 9th DAY OF MAY A.D., 2013 AT ST. CHARLES, ILLINOIS.

Rudy P. Dixon
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
RUDY P. DIXON
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3832
MY LICENSE EXPIRES NOVEMBER 30, 2014
DESIGN FIRM LICENSE EXPIRES APRIL 30, 2015

14-25-400-002
WESTPHALL, ET AL
(ORIGINALLY BY DOC. 964513, BOOK 2108, PAGE 555)

COORDINATE TABLE

POINT	NORTHING	EASTING	STATION	OFFSET
A	1,847,986.403	970,098.626	169+49.80	40.00 LT
B	1,848,028.889	970,098.501	169+65.24	79.58 LT
C	1,848,018.824	970,126.410	169+87.53	60.00 LT
D	1,848,115.171	970,371.346	172+50.73	60.00 LT
E	1,848,124.477	970,367.685	172+50.73	70.00 LT

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 1542 (JERICHO ROAD)

LIMITS: SEE STA. RANGE COUNTY: KANE
SECTION:04-00329-00-BR JOB NO.: R-91-019-07
STATION 169+47.07 TO STATION 175+00.00
SCALE: 1"=20' SHEET 3 OF 4

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

PARCEL	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED		PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENT AREA		PURPOSE OF EASEMENT	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ FT			ACRES	SQ FT			
0001	WESTPHALL, ET AL	3.594	0.272	11,840.34	N/A	3.322	0.064	2,797.08	GRADING AND CONSTRUCTION	14-25-400-002	
0001TE											

REVISION DATE:

REVISION

MADE BY

USER NAME = nparris	DESIGNED =	REVISED =
PLOT SCALE = 1:20	DRAWN =	REVISED =
PLOT DATE = 7/9/2013	CHECKED =	REVISED =
	DATE =	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JERICHO ROAD OVER BLACKBERRY CREEK
PLAT OF HIGHWAYS

SCALE: N.T.S. SHEET NO. 2 OF 3 SHEETS STA. TO STA.

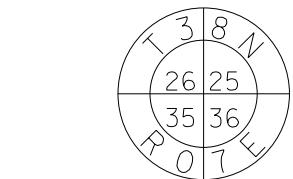
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	37
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FOR REFERENCE ONLY - NOT TO SCALE

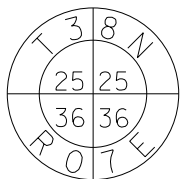
SEE SHEET 4 OF 4

PART OF THE SOUTHEAST QUARTER OF SECTION 25, T.38, R7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS

LEGEND



SECTION CORNER



QUARTER SECTION CORNER

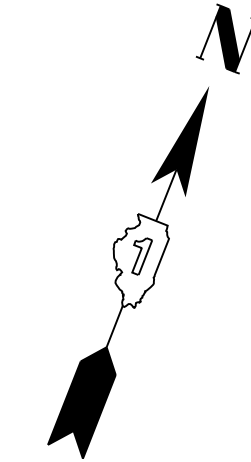
---	SECTION LINE	XXX.XX'	MEASURED DIMENSION
- - -	QUARTER SECTION LINE	(XXX.XX')	RECORDED DATA
- - -	PROPERTY LINE	oIP	IRON PIPE OR PIN FOUND
- - -	CENTERLINE	o	FOUND DISK
- - -	EXISTING R.O.W. LINE	ΔPK	P.K. NAIL FOUND
- - -	EXISTING EASEMENT LINE	⊠	R.O.W. MARKER FOUND
- - -	PROPOSED R.O.W. LINE		EXISTING BUILDING
- - -	PROPOSED EASEMENT LINE		

●T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH
T2 IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY
T3 COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

●BT1 THESE STAKES IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
BT2 BURIED 5/8 INCH IRON ROD 20 INCHES BELOW TO TIE FOUND IRON STAKE
BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY
MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION
DATA AND SURVEYORS REGISTRATION NUMBER.

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE
COORDINATE SYSTEM, NAD 83 (2007 ADJUSTMENT), EAST ZONE.



GRAPHIC SCALE
FEET
0 20
SCALE: 1" = 20'

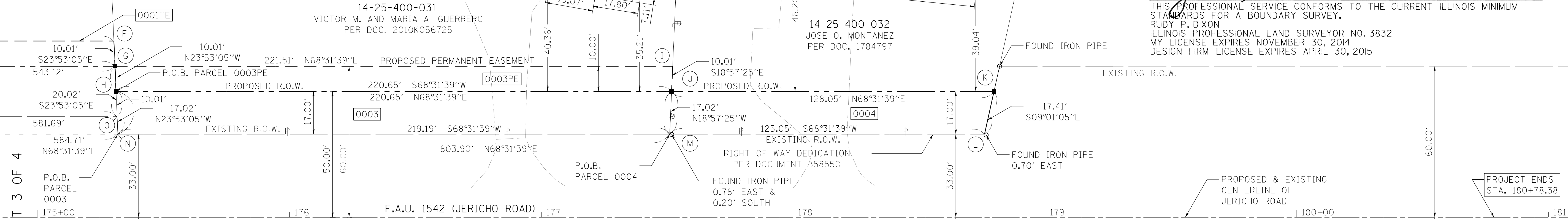
STATE OF ILLINOIS)
COUNTY OF KANE)SS

WE, WILLS BURKE KELSEY ASSOCIATES, ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER
184-002097, DO HEREBY DECLARE THAT THE PLAT OF HIGHWAYS SHOWN HEREON IN
SECTION 25, TOWNSHIP 38 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN,
KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF
MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT
ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE
POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE
SURVEY TO BE RETRACED, MADE FOR THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

GIVEN UNDER MY HAND AND SEAL THIS 9th DAY OF MAY A.D., 2013
AT ST. CHARLES, ILLINOIS.

Rudy P. Dixon

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM
STANDARDS FOR A BOUNDARY SURVEY.
RUDY P. DIXON
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3832
MY LICENSE EXPIRES NOVEMBER 30, 2014
DESIGN FIRM LICENSE EXPIRES APRIL 30, 2015



COORDINATE TABLE				
POINT	NORTHING	EASTING	STATION	OFFSET
F	1,848,226.789	970,627.783	175+30.23	70.00 LT
G	1,848,217.637	970,631.835	175+30.65	60.00 LT
H	1,848,208.485	970,635.888	175+31.07	50.00 LT
I	1,848,298.723	970,837.974	177+52.16	60.00 LT
J	1,848,289.256	970,841.225	177+51.72	50.00 LT
K	1,848,336.131	970,960.390	178+79.77	50.00 LT
L	1,848,318.937	970,963.119	178+76.02	33.00 LT
M	1,848,273.163	970,846.753	177+50.97	33.00 LT
N	1,848,192.927	970,642.777	175+31.79	33.00 LT
O	1,848,199.333	970,639.940	175+31.49	40.00 LT
P	1,848,286.392	971,060.685	179+54.90	33.00 RT
Q	1,848,190.942	971,070.397	179+29.00	125.38 RT
R	1,848,202.977	971,188.681	180+43.48	157.48 RT
S	1,848,331.593	971,175.594	180+78.38	33.00 RT

PARCEL	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED		PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENT AREA		PURPOSE OF EASEMENT	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQ FT			ACRES	SQ FT			
0003 0003PE	VICTOR M. & MARIA A. GUERRERO	1.456	0.086	3738.65	N/A	1.370	0.051	2,210.82	PERMANENT	14-25-400-031	
0004	JOSE O. MONTANEZ	0.929	0.049	2151.34	N/A	0.880	N/A	N/A		14-25-400-032	
0005	JAMES F. & CAROL A. CARPENTER	0.307	0.307	13,388.94	N/A	0.000	N/A	N/A		14-25-400-028	

REVISION DATE:

REVISION

MADE BY



USER NAME = nparris
PLOT SCALE = 1:20
PLOT DATE = 7/9/2013

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JERICO ROAD OVER BLACKBERRY CREEK
PLAT OF HIGHWAYS

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

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 1542 (JERICO ROAD)

LIMITS: SEE STA. RANGE COUNTY: KANE
SECTION: 04-00329-00-BR JOB NO.: R-91-019-07
STATION 175+00.00 TO STATION 180+78.38
SCALE: 1"=20' SHEET 4 OF 4

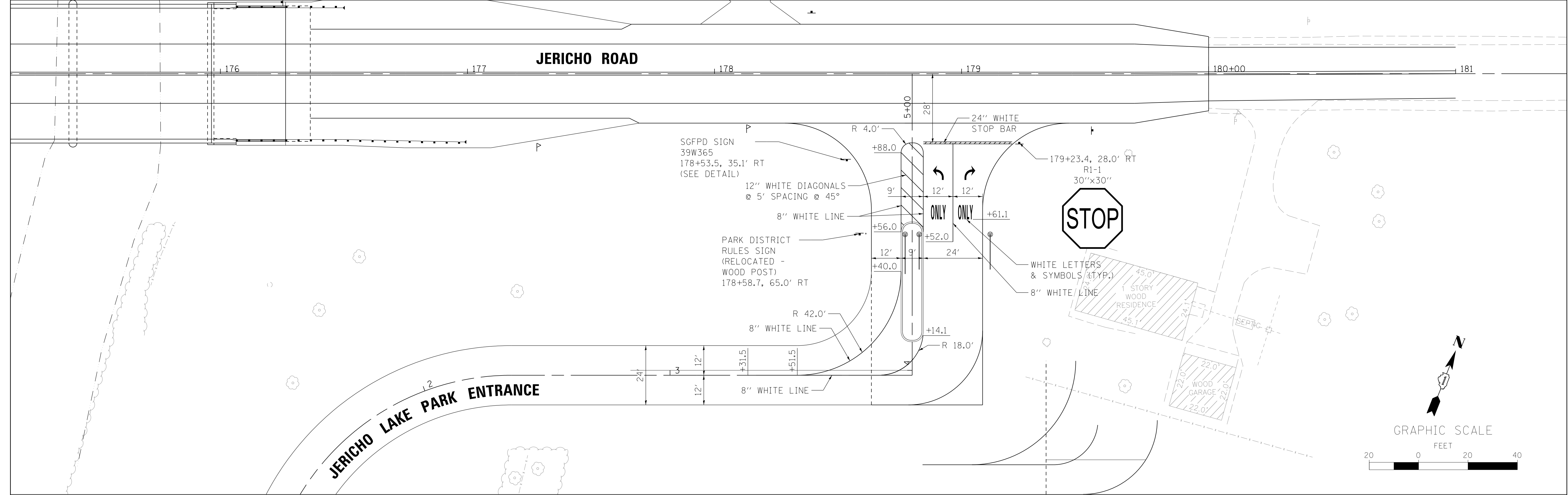
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	38
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FOR REFERENCE ONLY - NOT TO SCALE

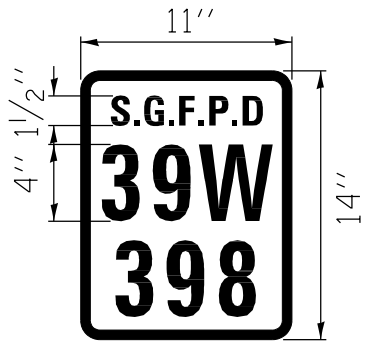
1. ALL PERMANENT PAVEMENT MARKINGS SHALL BE URETHANE ON ALL FINAL SURFACES AND SHALL FOLLOW IDOT D1 TC13 (DISTRICT ONE TYPICAL PAVEMENT MARKINGS) DETAIL AND THIS PLAN.
2. SIGNING SHOWN IS FOR REFERENCE ONLY. KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) SHALL RELOCATE, SUPPLY AND ERECT ALL SIGNS FOR THIS PROJECT. THE CONTRACTOR SHALL COORDINATE ALL SIGN RELOCATION AND INSTALLATION WORK WITH THE RESIDENT ENGINEER AND KDOT.
3. ALL FOX VALLEY PARK DISTRICT SIGNS AND KANE COUNTY STREAMS SIGNS SHALL BE MOUNTED ON NEW METAL TYPE A POSTS PER STANDARD 729001-01.





NOTES:

- 1. ALL PERMANENT PAVEMENT MARKINGS SHALL BE URETHANE ON ALL FINAL SURFACES AND SHALL FOLLOW IDOT D1 TC13 (DISTRICT ONE TYPICAL PAVEMENT MARKINGS) DETAIL AND THIS PLAN.
- 2. KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) SHALL SUPPLY AND ERECT ALL REGULATORY AND WARNING SIGNS FOR THIS PROJECT. THE CONTRACTOR SHALL COORDINATE ALL SIGN INSTALLATION WORK WITH THE RESIDENT ENGINEER AND KDOT.
- 3. ALL FOX VALLEY PARK DISTRICT SIGNS AND KANE COUNTY STREAMS SIGNS SHALL BE MOUNTED ON NEW METAL TYPE A POSTS PER STANDARD 729001-01, AND SHALL BE INCLUDED IN THE COST OF RELOCATED SIGN PANEL ASSEMBLY TYPE A.
- 4. ALL SIGNS ARE STATIONED AND OFFSET FROM JERICHO ROAD.
- 5. ALL PAVEMENT MARKING ON THE JERICHO PARK ENTRANCE ROAD ARE COLORED "WHITE" AT THE REQUEST OF THE FVPD.

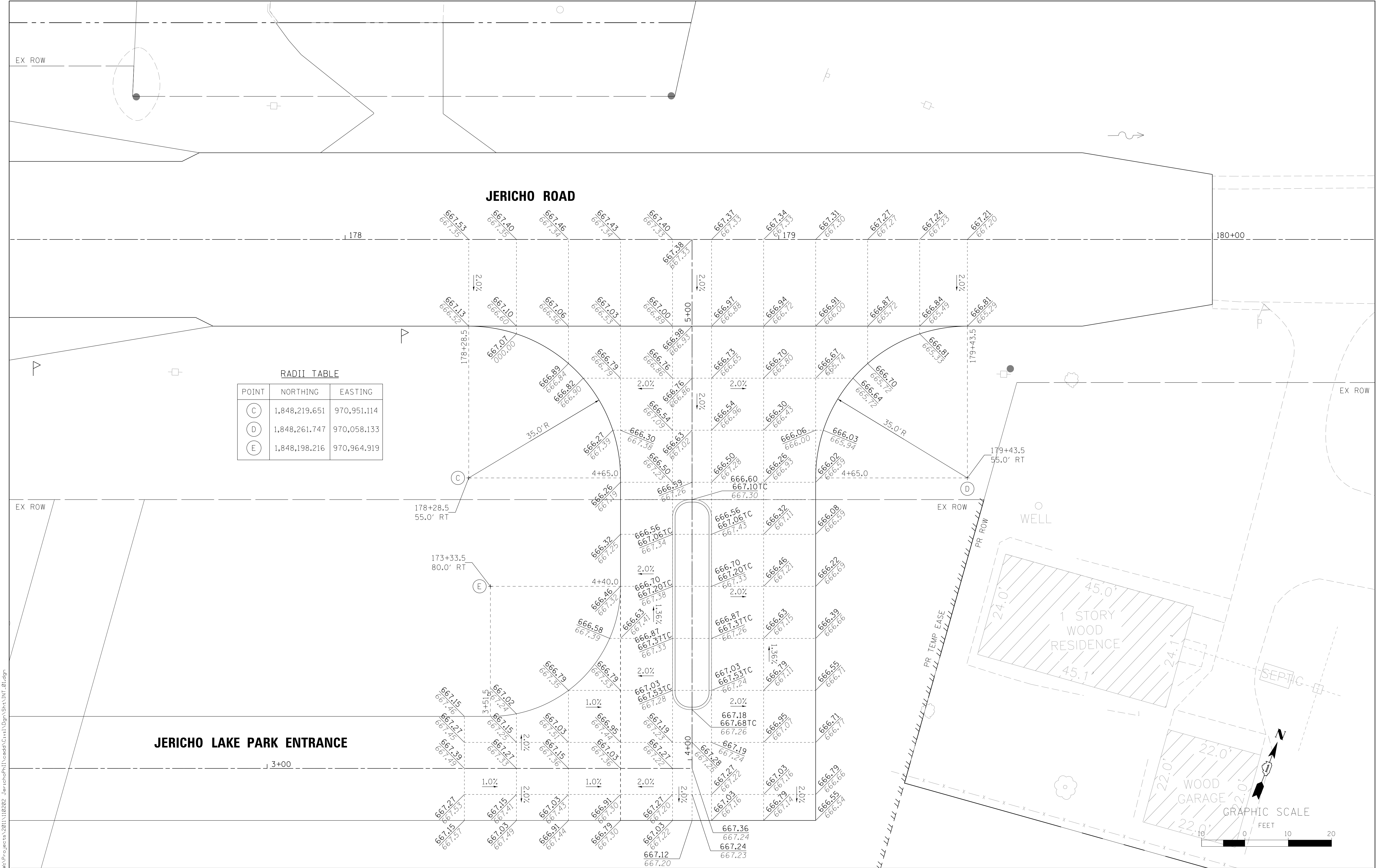


FIRE DISTRICT SIGN DETAIL
SUGAR GROVE FIRE PROTECTION DISTRICT (S.G.F.P.D.)

- 1. ONE (1) SIGN SHALL BE MANUFACTURED FOR EACH ADDRESS, TOTALING FOUR (4) SIGNS: 39W398, 39W394, 39W376, AND 39W365.
- 2. ALL FIRE DISTRICT SIGNS SHALL BE MOUNTED ON A METAL TYPE A POST, PER STANDARD 729001-01. THE POST AND SIGN SHALL BE PAID FOR AS METAL POST-TYPE A AND SIGN PANEL-TYPE 1, RESPECTIVELY.
- 3. THE SIGN IS RED IN COLOR WITH WHITE LETTERING AND A WHITE BORDER. 11"x14" WITH 4" ADDRESS LETTERING AND 1-1/2" LETTERING FOR 'S.G.F.P.D.'
- 4. THE SIGNS SHALL BE PLACED AT THE STATION AND OFFSET WITH THE CORRESPONDING ADDRESS, AS SHOWN ON THE PAVEMENT MARKING & SIGNING PLANS.

FILE NAME = M:\Projects\2011\10202 JerichoPark\cadd\Civil\Dgn\Shd\PMK 02.dgn

<div><div>WBK</div><div>WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174</div></div>	USER NAME = nparris	DESIGNED	REVISED -	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	<div>PAVEMENT MARKING & SIGNING PLAN</div>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:20	DRAWN -	REVISED -					1542	04-00329-00-BR	KANE	86	40
	PLOT DATE = 7/9/2013	CHECKED -	REVISED -		SCALE: 1"=20'			SHEET NO. 2 OF 2 SHEETS			CONTRACT NO.	
		DATE -	REVISED -		STA. TO STA.			ILLINOIS FED. AID PROJECT				



RADI TABLE		
POINT	NORTHING	EASTING
(C)	1,848,219.651	970,951.114
(D)	1,848,261.747	970,058.133
(E)	1,848,198.216	970,964.919

FILE NAME = \\NA\Projects\2011\102022_JerichoPark\11\cadd\Civil\Drawn\Shst\INTL.dgn



WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED -	REVISED -
PLOT SCALE = 1:10	DRAWN -	REVISED -
PLOT DATE = 7/9/2013	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION GRADING PLAN
JERICHO LAKE PARK ENTRANCE

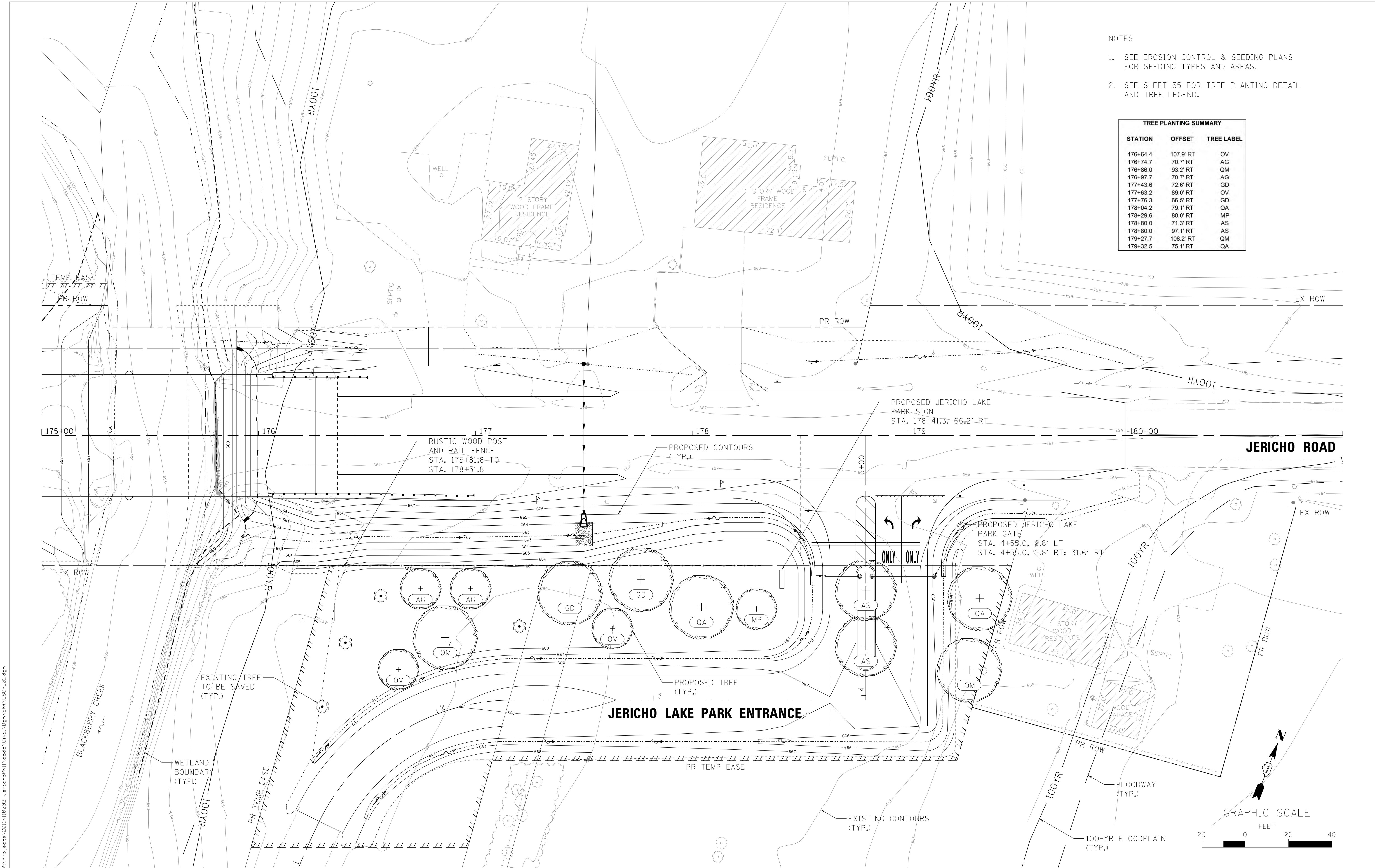
SCALE: 1"=10'

SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	41
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

- NOTES
- 1. SEE EROSION CONTROL & SEEDING PLANS FOR SEEDING TYPES AND AREAS.
 - 2. SEE SHEET 55 FOR TREE PLANTING DETAIL AND TREE LEGEND.

TREE PLANTING SUMMARY		
STATION	OFFSET	TREE LABEL
176+64.4	107.9' RT	OV
176+74.7	70.7' RT	AG
176+86.0	93.2' RT	QM
176+97.7	70.7' RT	AG
177+43.6	72.6' RT	GD
177+63.2	89.0' RT	OV
177+76.3	66.5' RT	GD
178+04.2	79.1' RT	QA
178+29.6	80.0' RT	MP
178+80.0	71.3' RT	AS
178+80.0	97.1' RT	AS
179+27.7	108.2' RT	QM
179+32.5	75.1' RT	QA



BENCHMARK

IL KANE 25 38 7; Elev. 667.65 (NAVD 88)

EXISTING STRUCTURE

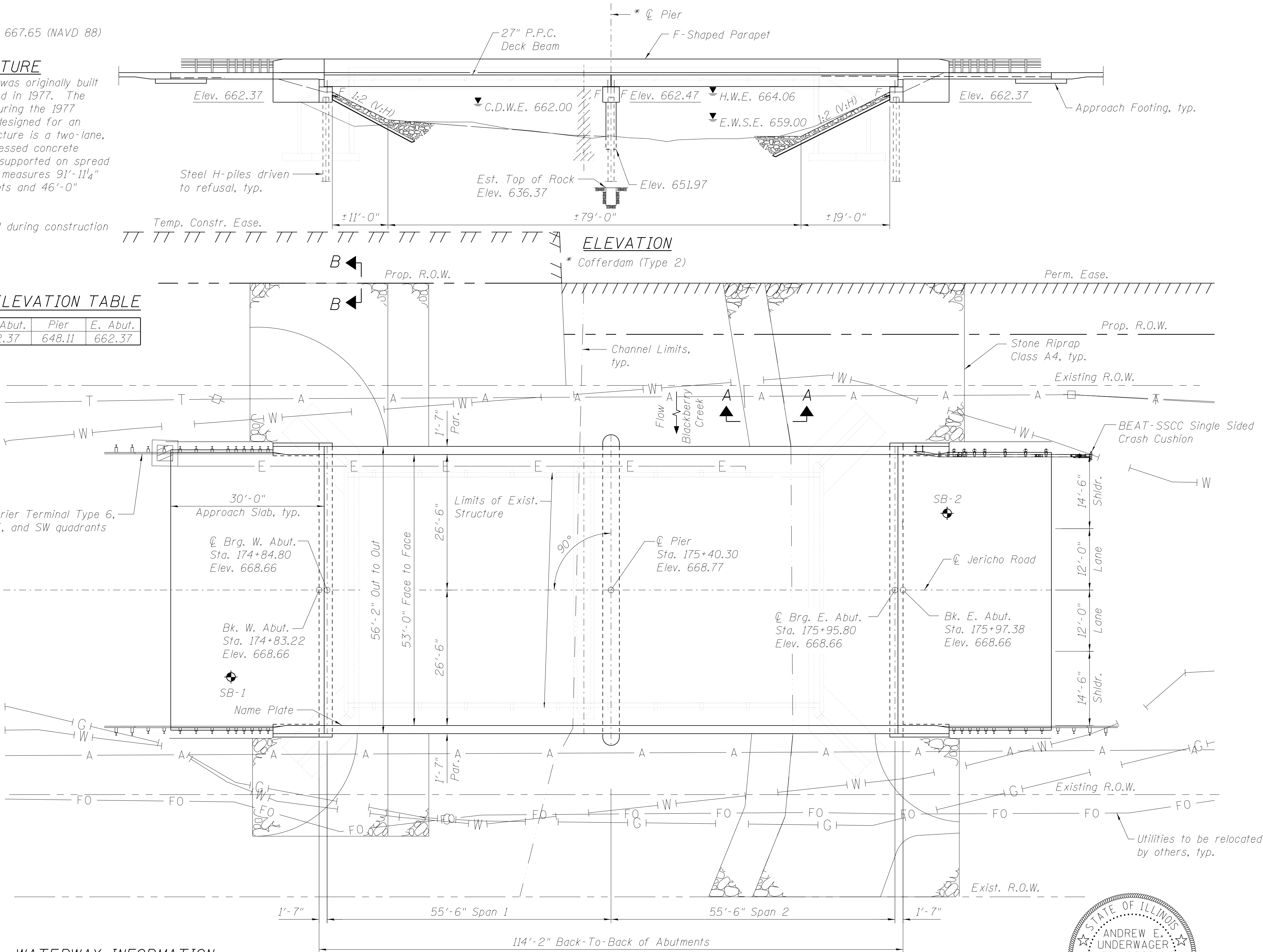
Structure No. 045-3010 was originally built in 1933 and reconstructed in 1977. The structure was widened during the 1977 reconstruction and was designed for an HS20 loading. The structure is a two-lane, two-span precast prestressed concrete (PPC) deck beam bridge supported on spread footings. The structure measures 91'-11 1/4" back-to-back of abutments and 46'-0" out-to-out of the deck.

The bridge will be closed during construction and traffic detoured.

No Salvage

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	W. Abut.	Pier	E. Abut.
	662.37	648.11	662.37



WATERWAY INFORMATION

Drainage Area = 56.9 sq. mi. Exist. Low Grade Elev. 666.17 at Sta. 185+00 Prop. Low Grade Elev. 666.20 at Sta. 185+00									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Design	10	1397	526	565	663.29	0.24	0.25	663.53	663.54
Base	30	2100	613	677	664.06	0.66	0.64	664.72	664.70
	100	3018	652	779	665.04	1.12	1.04	666.16	666.08
Max. Calc.	500	4583	652	779	666.43	1.0	0.79	667.43	667.22

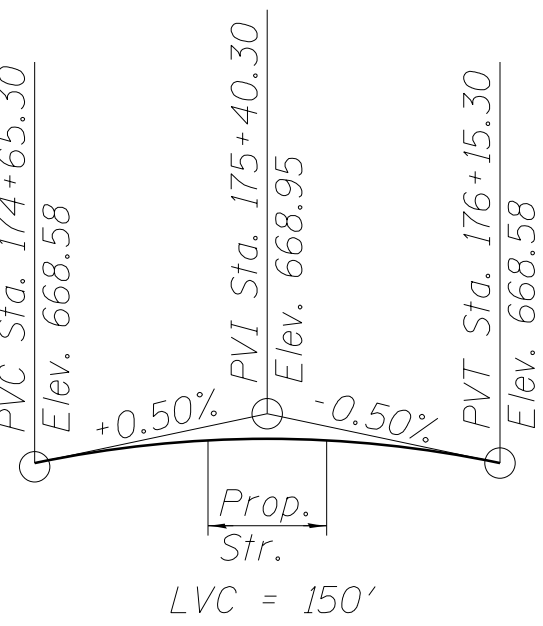
PLAN

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

Signature:_____

Date _____

License Expires:_____



PROFILE GRADE
Jericho Road

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications

DESIGN STRESSES

FIELD UNITS

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

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
fpu = 270,000 psi (1/2"φ low lax. Strands)
fpbt = 201,960 psi (1/2"φ low lax. Strands)

LOADING HL-93

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

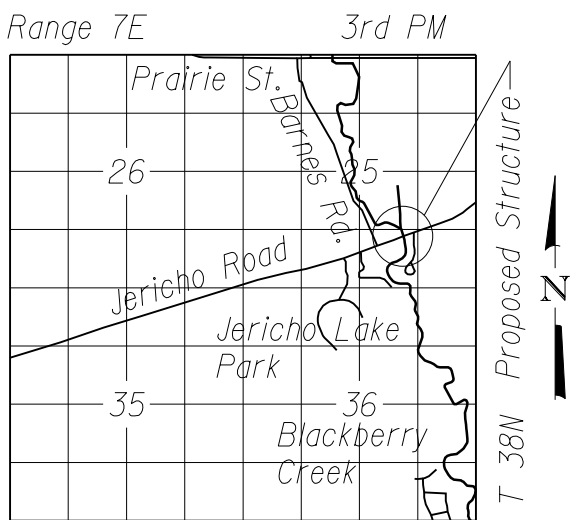
SEISMIC DATA

Seismic Performance Zone (SPZ) = I
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = .091g
Design Spectral Acceleration at 0.2 sec. (S_{Ds}) = .163g
Soil Site Class = D

BLACKBERRY CREEK
BUILT 201X BY
KANE COUNTY
SEC. 04-00329-00-BR
F.A.U. 1542 STA. 175+40.30
STR. NO. 045-3190 LOADING HL-93

NAME PLATE

See Std. 515001



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
JERICO ROAD OVER BLACKBERRY CREEK

SEC. 04-00329-00-BR

KANE COUNTY

STATION 175+40.30

STRUCTURE NO. 045-3190

FILE NAME = W:\Projects\2011\102022_JerichoPh\1\cadd\Structural\N\0453190-001-GR&E.dgn



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PLOT SCALE = #SCALE#	DRAWN = HLF	REVISED =
PLOT DATE = 7/9/2013	CHECKED = AEU	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 045-3190

SHEET NO. 1 OF 15 SHEETS

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	43
CONTRACT NO. XXXXX				
[ILLINOIS] FED. AID PROJECT				

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

The Contractor is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal or replacement of the structure.

If the Contractor's procedures for existing deck beam removal involves placement of heavy equipment on the existing deck beams, a detailed procedure shall be submitted to the Engineer for approval. The procedure shall include calculations, sealed by an Illinois Licensed Structural Engineer, verifying the structural adequacy of the beams for the proposed loads. Cost included with Removal of Existing Structures.

Slipforming of the parapets is not allowed.

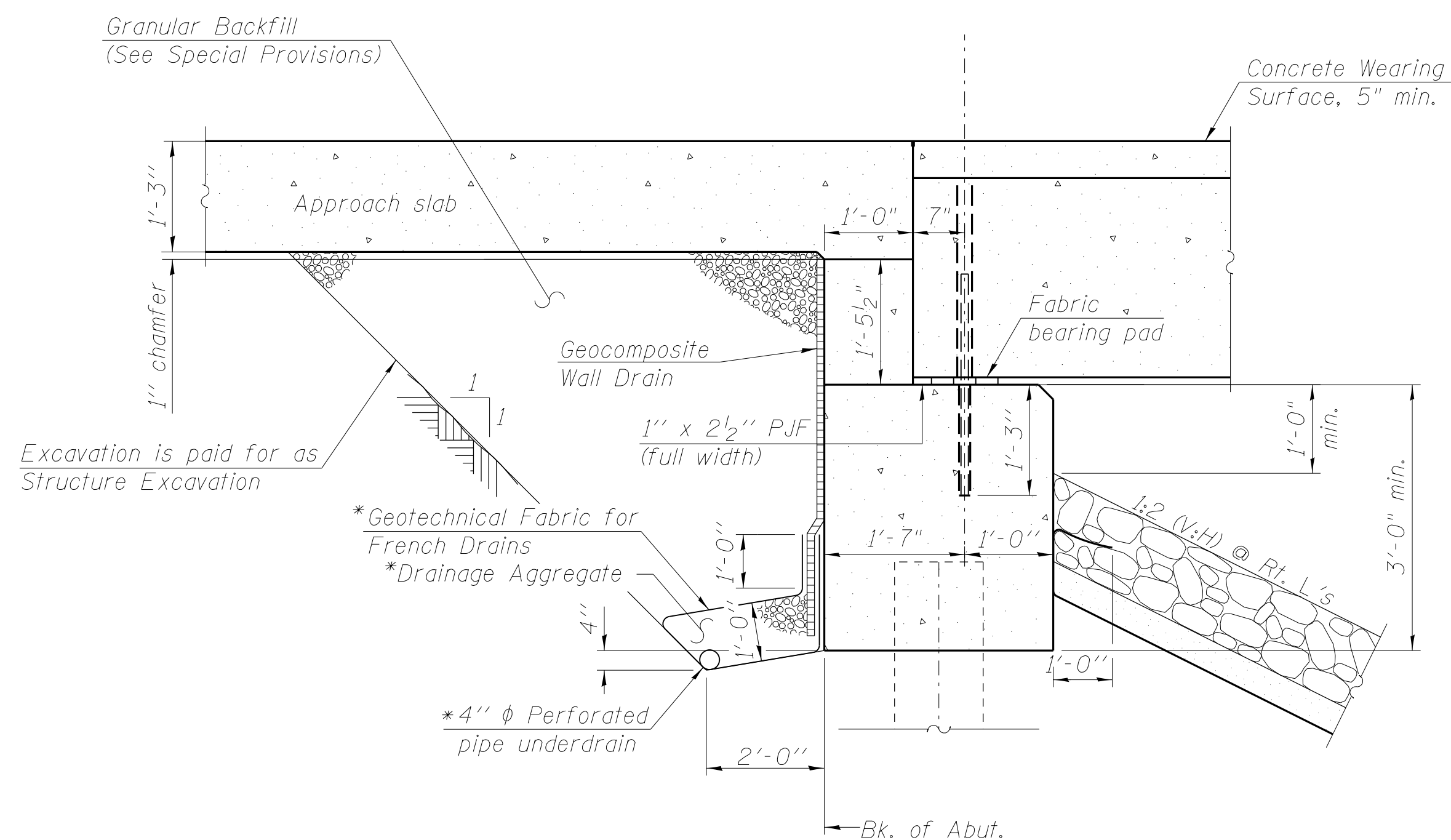
INDEX OF SHEETS

1. *General Plan and Elevation*
2. *General Data*
3. *Top of West Approach Slab Elevations*
4. *Top of East Approach Slab Elevations*
5. *Superstructure*
6. *Superstructure Details*
7. *Bridge Approach Slab Details (1 of 2)*
8. *Bridge Approach Slab Details (2 of 2)*
9. *27"x48" PPC Deck Beam*
10. *27"x48" PPC Deck Beam Details*
11. *Abutments*
12. *Abutment Details*
13. *Pier*
14. *HP Pile Details*
15. *Soil Boring Logs*

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.	----	869	869
Filter Fabric	Sq. Yd.	----	869	869
Removal of Existing Structures	Each	----	----	1
Structure Excavation	Cu. Yd.	----	186	186
Cofferdam Excavation	Cu. Yd.	----	163	163
Cofferdam (Type 2) (Location-1)	Each	----	1	1
Concrete Structures	Cu. Yd.	----	187.4	187.3
Concrete Superstructure	Cu. Yd.	175.0	----	175.0
Bridge Deck Grooving	Sq. Yd.	994	----	994
Seal Coat Concrete	Cu. Yd.	----	95	95
Concrete Encasement	Cu. Yd.	----	8.4	8.4
Protective Coat	Sq. Yd.	1,793	----	1,793
Precast Prestressed Concrete Deck Beams 27"	Sq. Ft.	6,277	----	6,277
Reinforcement Bars, Epoxy Coated	Pound	58,860	15,300	74,160
Furnishing Steel Piles HP 12X53	Foot	----	996	996
Driving Piles	Foot	----	996	996
Test Pile Steel HP 12X53	Each	----	2	2
Pile Shoes	Each	----	36	36
Name Plate	Each	----	1	1
Geocomposite Wall Drain	Sq. Yd.	----	78	78
* Concrete Wearing Surface, 5"	Sq. Yd.	698	----	698
* Granular Backfill for Structures	Cu. Yd.	----	95	95
* Pipe Underdrain for Structures 4"	Foot	----	178	178

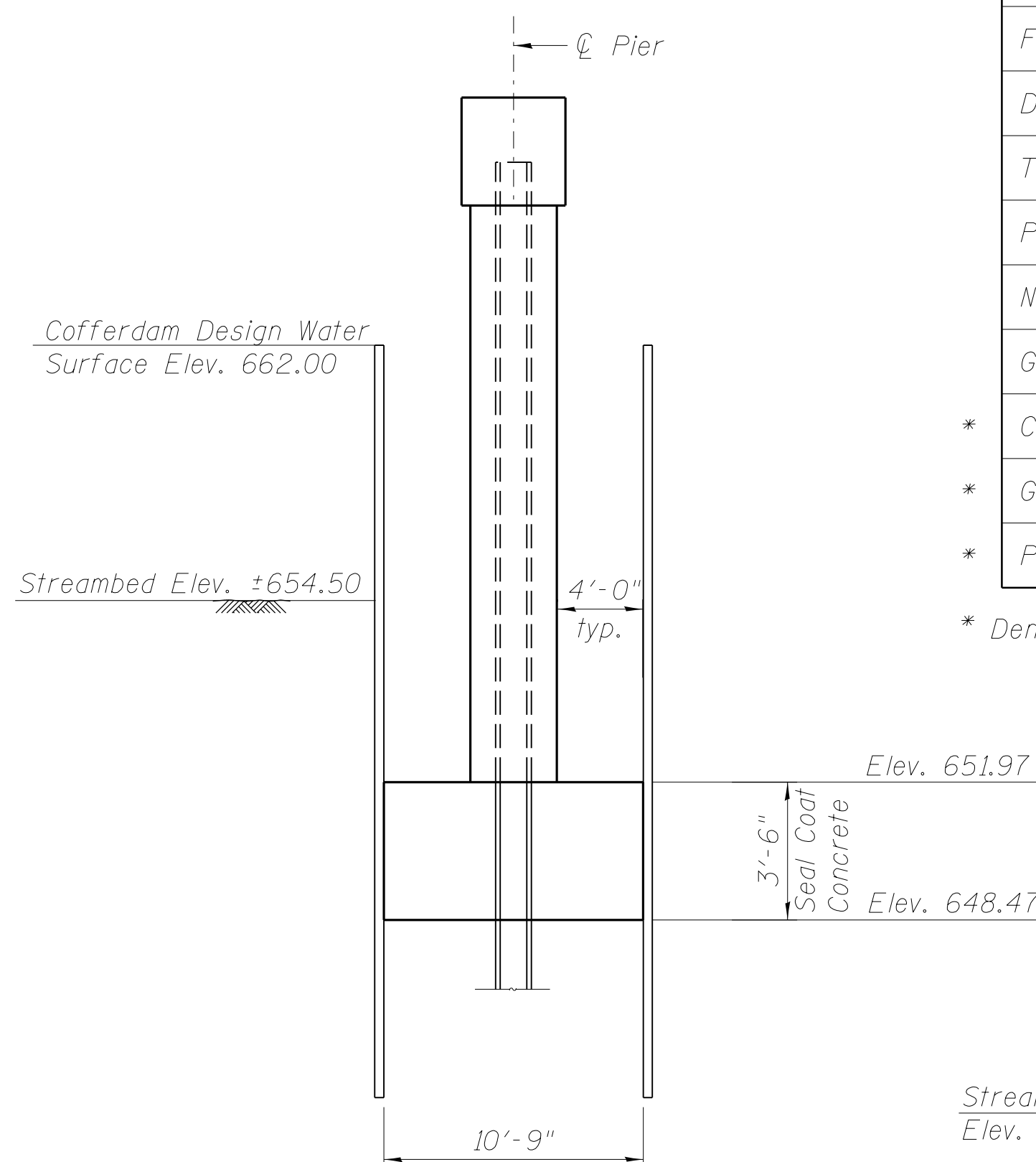
* Denotes a Special Provision



SECTION THRU ABUTMENT

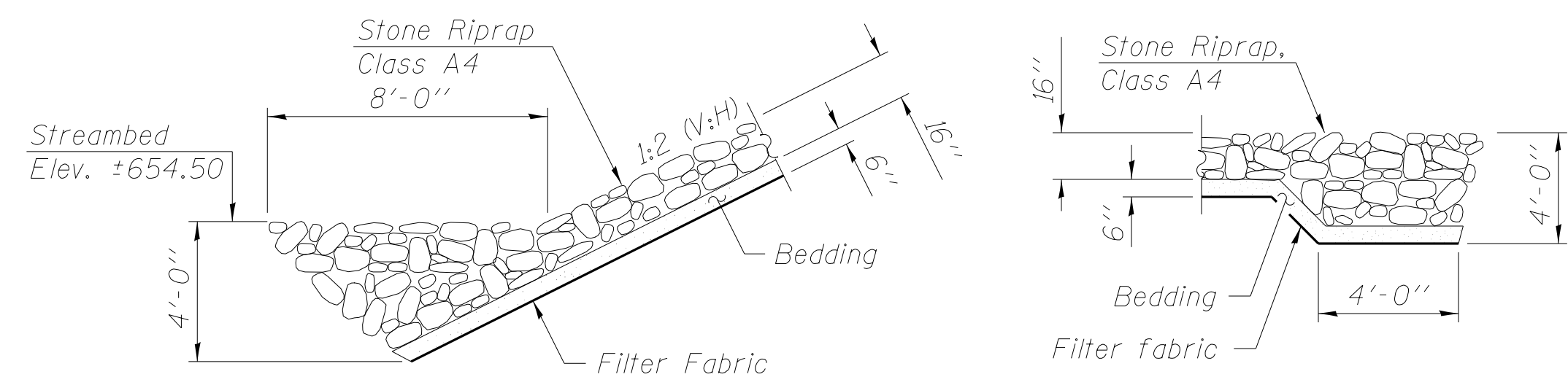
**Included in the cost of Pipe Underdrains for Structures.
(See Special Provisions)*

Note: All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls or 2'-0" from the end of the wingwalls when the wings are parallel to the abutment. The pipe shall extend under the wingwall, if necessary, until intersecting the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



COFFERDAM DETAIL

Note: A water surface elevation of 662.00 will be the basis of the cofferdam design. It is the Contractors responsibility to provide a design for the cofferdam, verification of seal coat thickness shown and all other required appurtenances, subject to approval of the Engineer. Plan dimensions of cofferdam are 10'-9" x 68'-2".



SECTION A-A

SECTION B-B

FILE NAME = W:\Projects\2011\102022_Jerricho\PHI\cadd\Structural\Draw\0453190-003-WAppr-SlabElevs.dgn

WBK

WILLS BURKE KELSEY ASSOCIATES LTD.

116 West Main Street, Suite 201
St. Charles, Illinois 60174

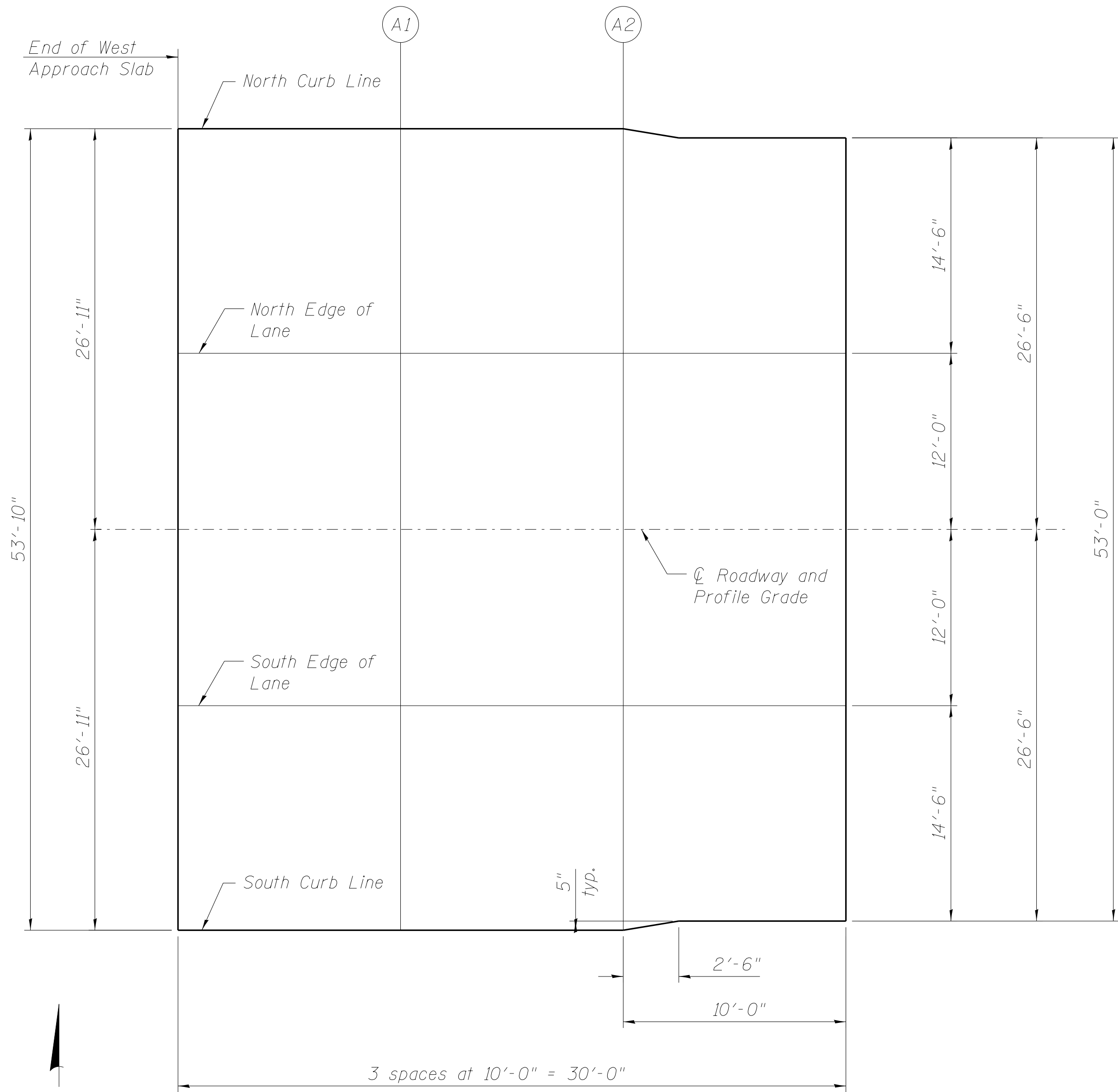
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 045-3190

SHEET NO. 3 OF 15 SHEETS

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	45
CONTRACT NO. XXXXX				
ILLINOIS FED. AID PROJECT				



PLAN

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Slab	174+54.22	-26.92	668.10
A1	174+64.22	-26.92	668.15
A2	174+74.22	-26.92	668.20
Begin W. Appr. Slab	174+84.22	-26.50	668.25

NORTH EDGE OF LANE

Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Slab	174+54.22	-12.00	668.34
A1	174+64.22	-12.00	668.39
A2	174+74.22	-12.00	668.43
Begin W. Appr. Slab	174+84.22	-12.00	668.48

SOUTH EDGE OF LANE

Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Slab	174+54.22	12.00	668.34
A1	174+64.22	12.00	668.39
A2	174+74.22	12.00	668.43
Begin W. Appr. Slab	174+84.22	12.00	668.48

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Slab	174+54.22	26.92	668.10
A1	174+64.22	26.92	668.15
A2	174+74.22	26.92	668.20
Begin W. Appr. Slab	174+84.22	26.50	668.25

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WBK

WILLS BURKE KELSEY ASSOCIATES LTD.

116 West Main Street, Suite 201
St. Charles, Illinois 60174

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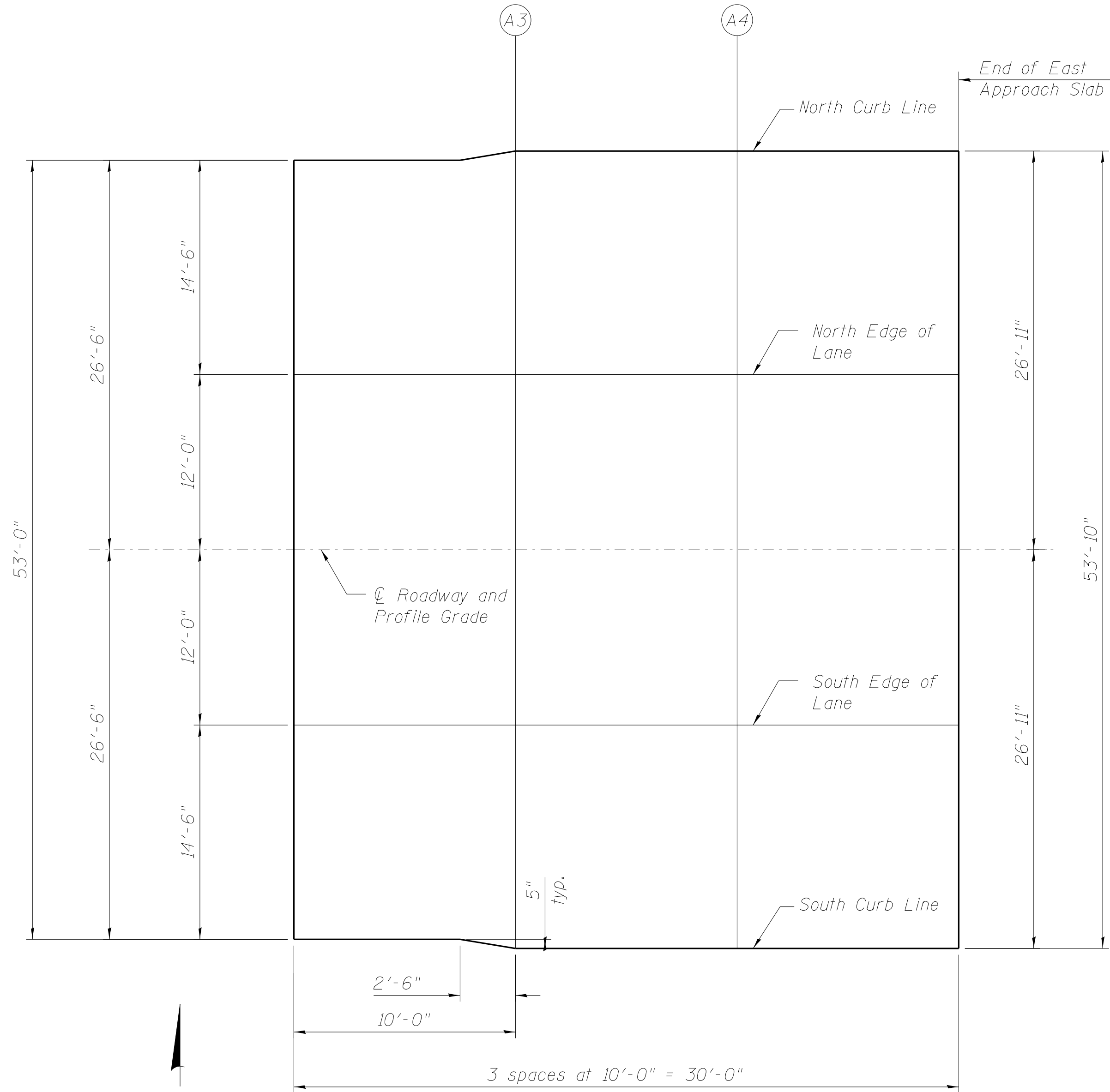
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 045-3190

SHEET NO. 4 OF 15 SHEETS

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	46
CONTRACT NO. XXXXX				
ILLINOIS FED. AID PROJECT				



PLAN

CL ROADWAY & P.G.

Location	Station	Offset	Theoretical Grade Elevations
Begin E. Appr. Slab	175+96.38	0.00	668.66
A3	176+06.38	0.00	668.62
A4	176+16.38	0.00	668.57
End E. Appr. Slab	176+26.38	0.00	668.52

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
Begin E. Appr. Slab	175+96.38	-26.50	668.25
A3	176+06.38	-26.92	668.20
A4	176+16.38	-26.92	668.15
End E. Appr. Slab	176+26.38	-26.92	668.10

NORTH EDGE OF LANE

Location	Station	Offset	Theoretical Grade Elevations
Begin E. Appr. Slab	175+96.38	-12.00	668.48
A3	176+06.38	-12.00	668.43
A4	176+16.38	-12.00	668.39
End E. Appr. Slab	176+26.38	-12.00	668.34

SOUTH EDGE OF LANE

Location	Station	Offset	Theoretical Grade Elevations
Begin E. Appr. Slab	175+96.38	12.00	668.48
A3	176+06.38	12.00	668.43
A4	176+16.38	12.00	668.39
End E. Appr. Slab	176+26.38	12.00	668.34

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations
Begin E. Appr. Slab	175+96.38	26.50	668.25
A3	176+06.38	26.92	668.20
A4	176+16.38	26.92	668.15
End E. Appr. Slab	176+26.38	26.92	668.10

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REVISED -
REVISED -
REVISED -

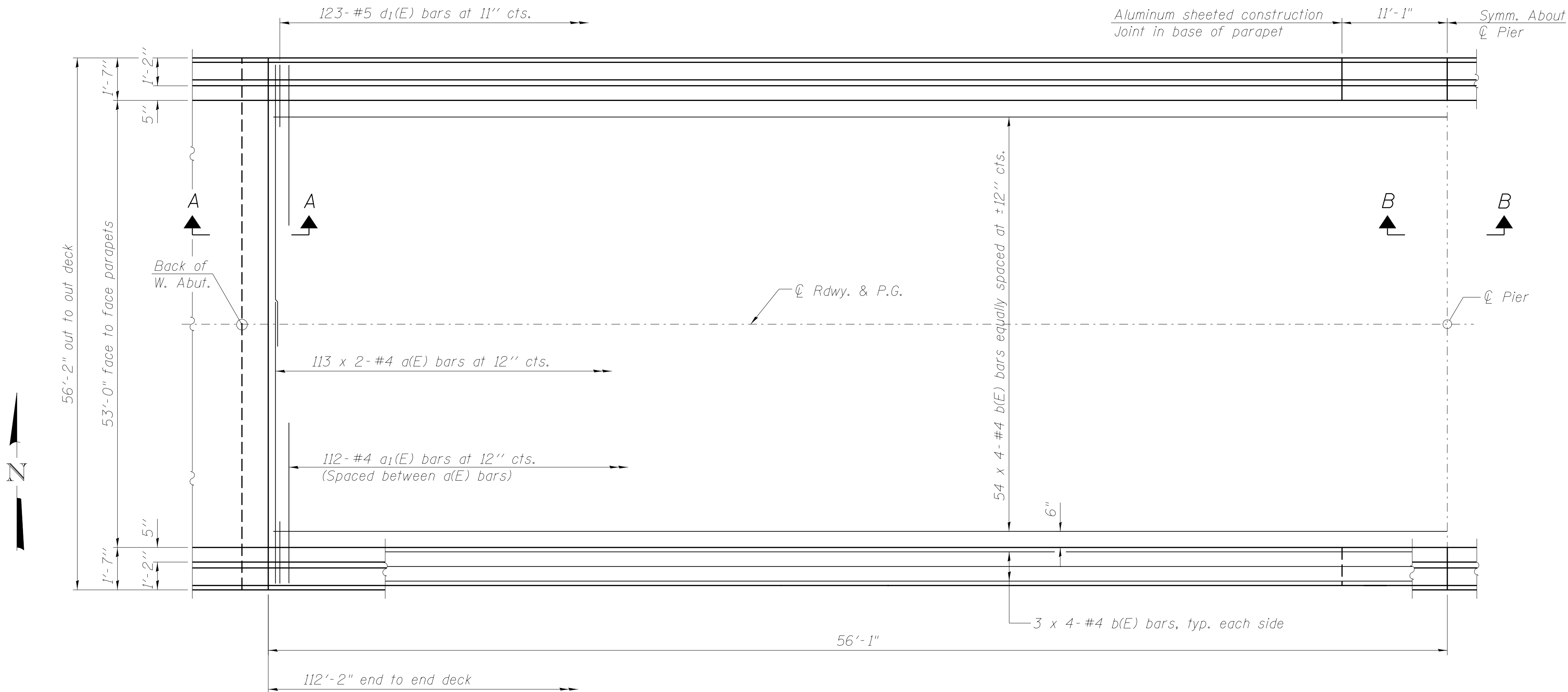
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MINIMUM BAR LAP
#4 bar = 2'-7"

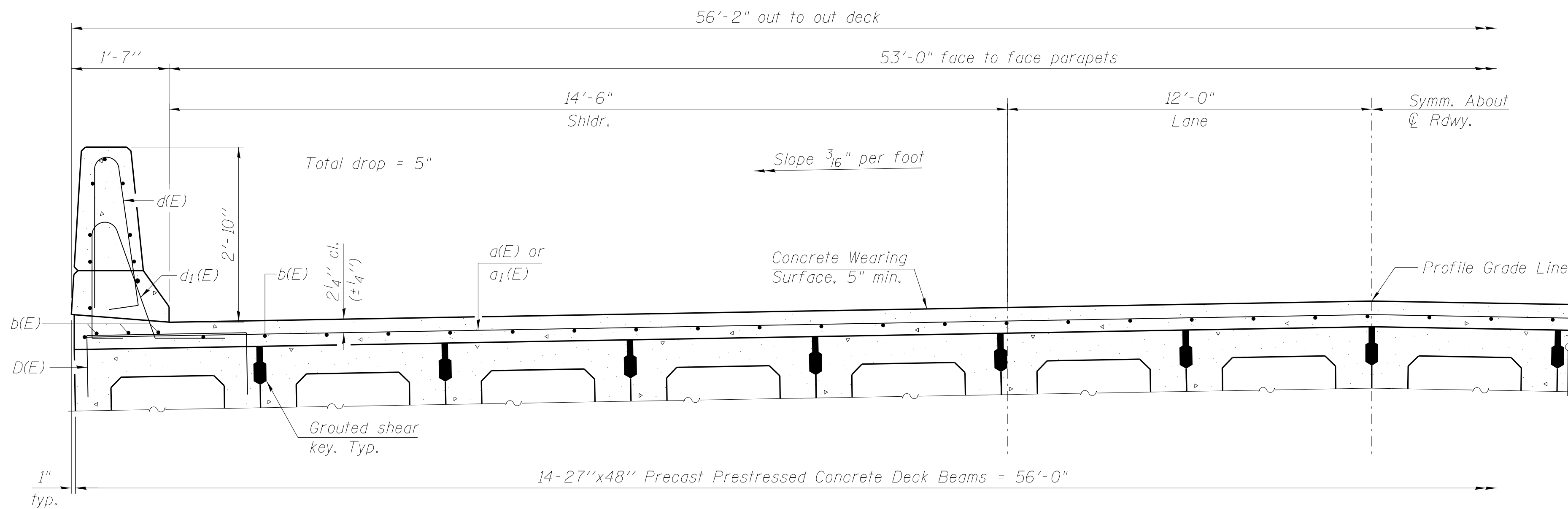
SUPERSTRUCTURE
STRUCTURE NO. 045-3190

SHEET NO. 5 OF 15 SHEETS

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	47
CONTRACT NO. XXXXX				
ILLINOIS FED. AID PROJECT				

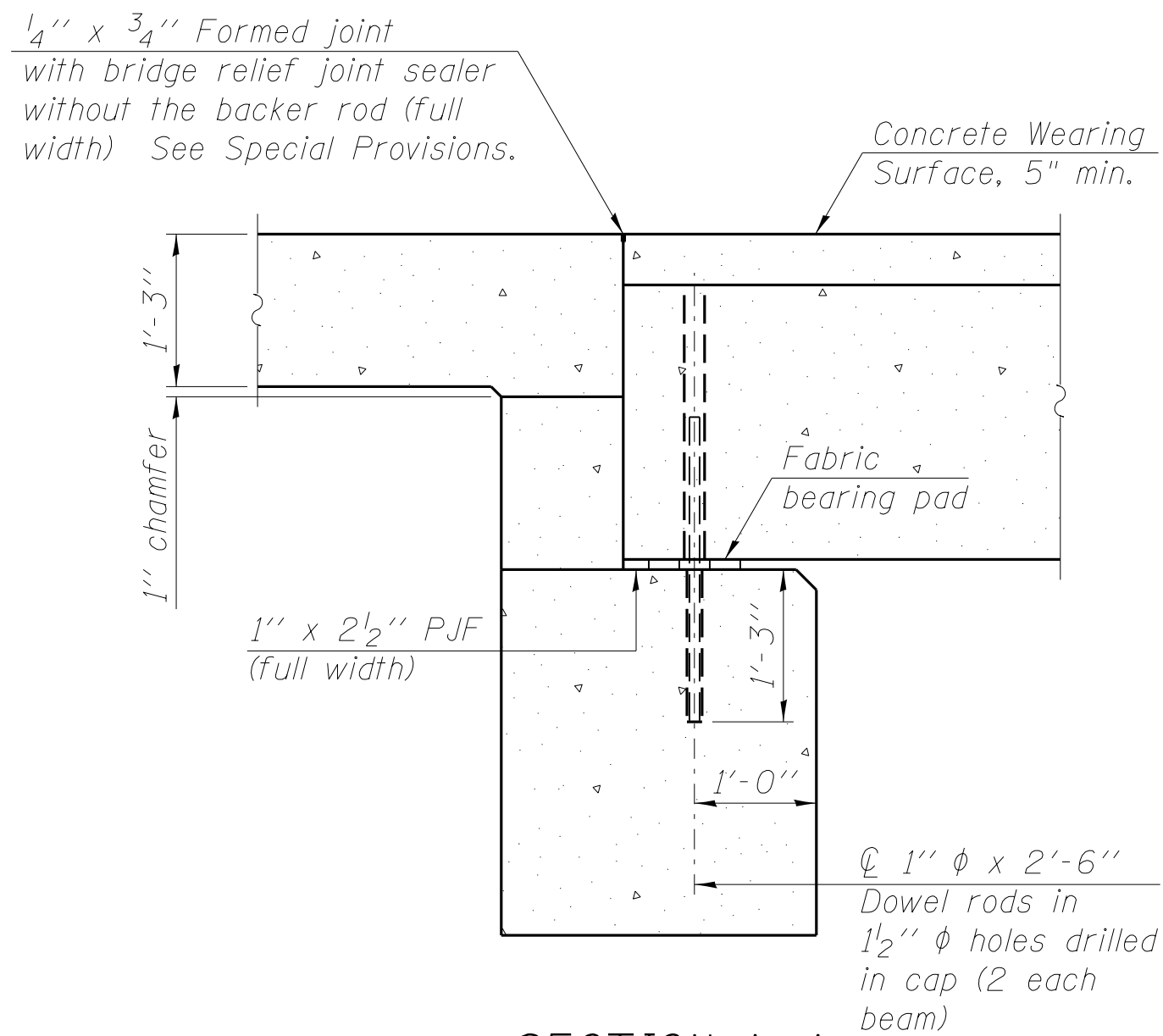


PLAN



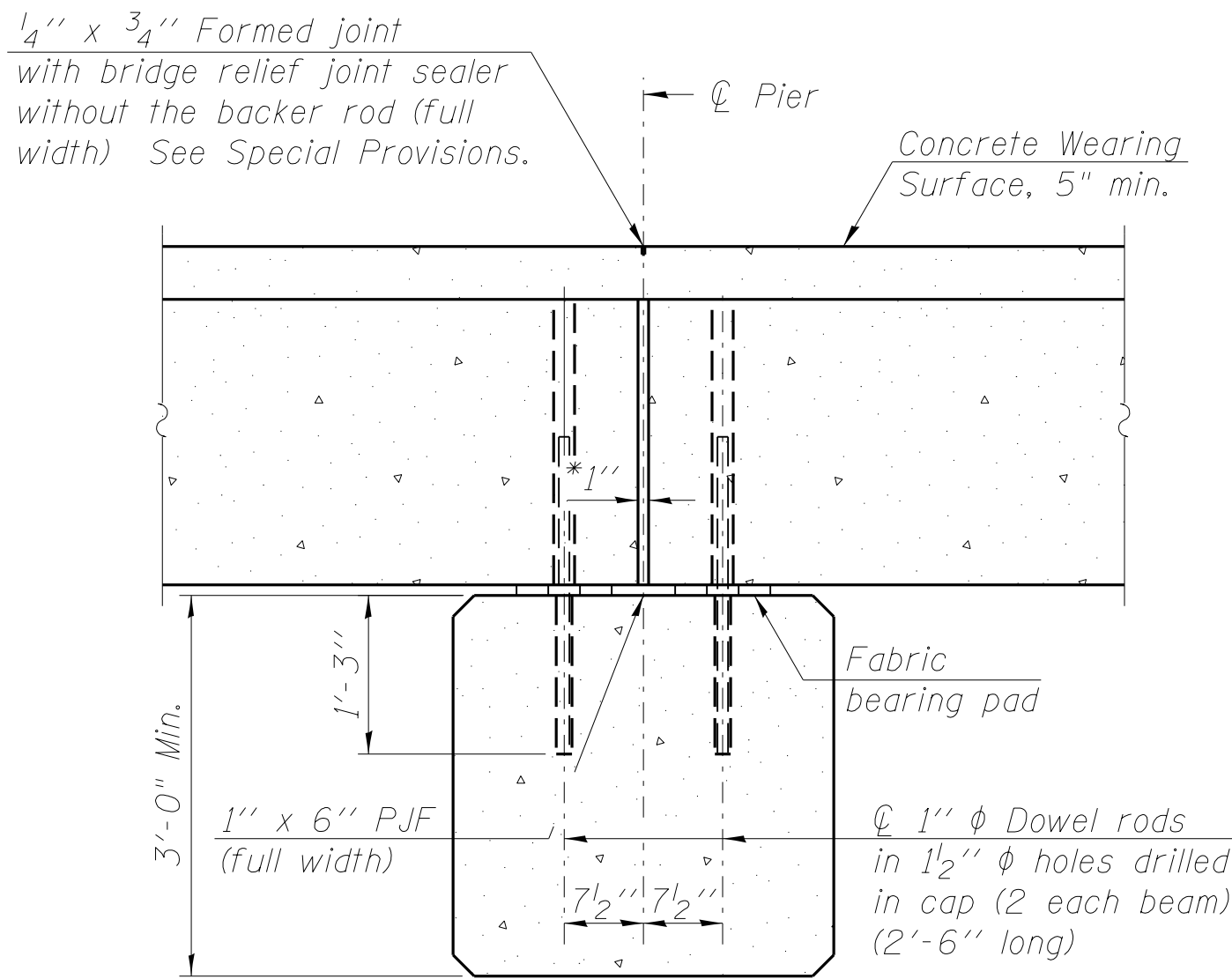
PARTIAL CROSS SECTION
(Looking Upstation)

Notes:
See sheet 6 of 15 for Superstructure Details and Bill of Material.
Bars indicated thus 54 x 4- #4 etc. indicates 54 lines of bars with 4 lengths per line.



SECTION A-A

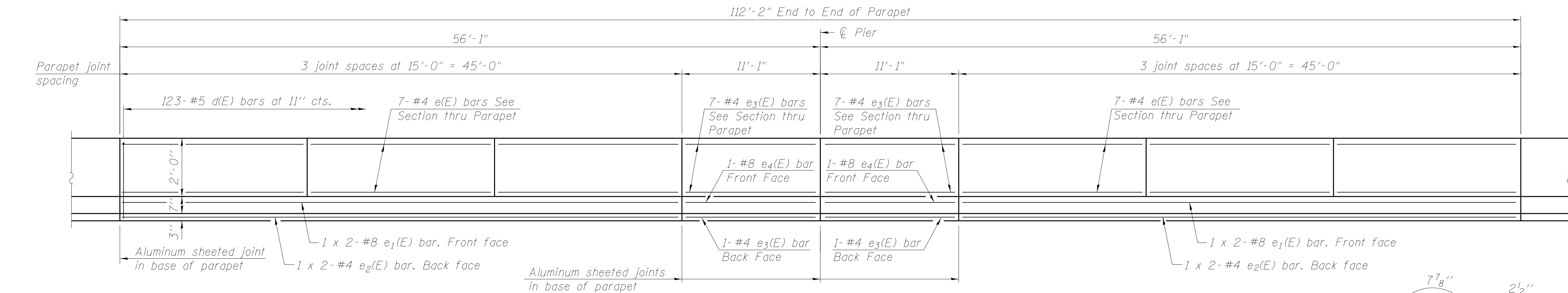
Notes:
All concrete wearing surfaces shall be placed prior to casting a backwall and/or approach slab.
See sheet 10 of 15 for fabric bearing pad details.



SECTION B-B

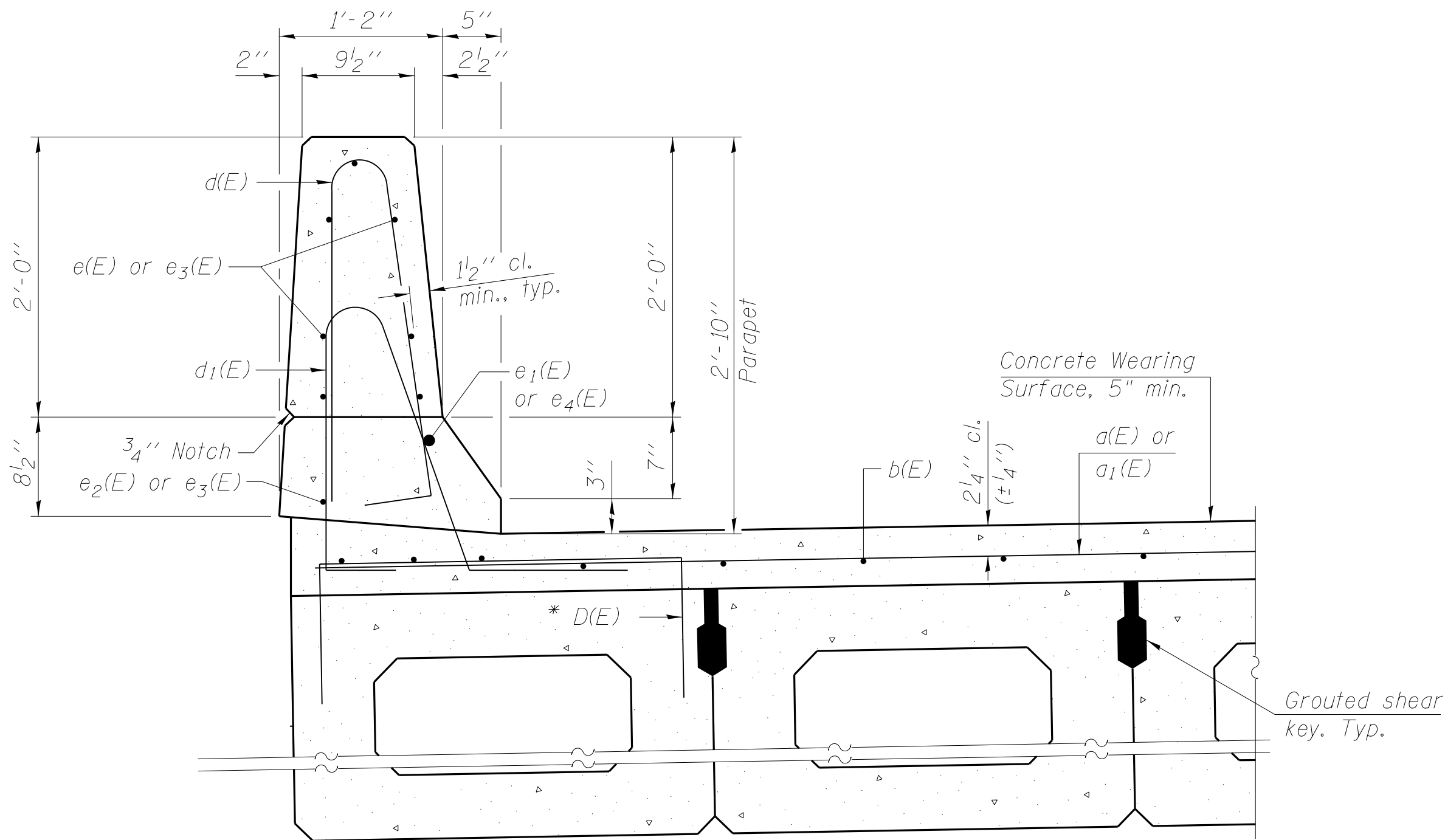
*1" Jt. shall be filled with non-shrink grout. 1" dimension may vary to accommodate tolerance in beam lengths.

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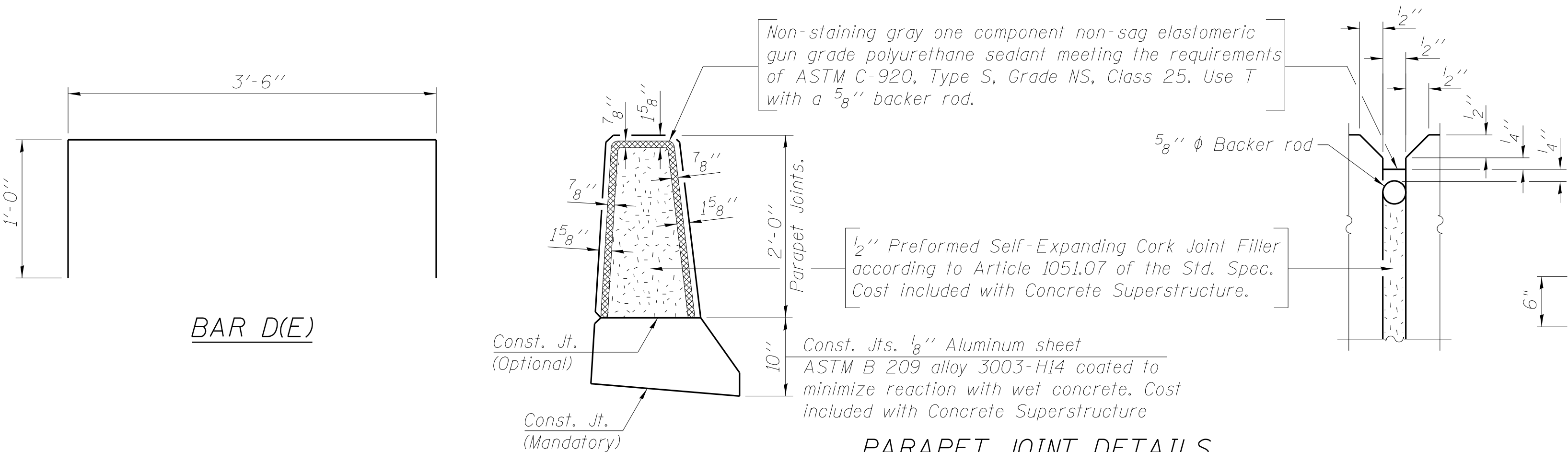
MINIMUM BAR LAP
#4 bar = 2'-0"
#8 bar = 5'-2"

INSIDE ELEVATION OF PARAPET

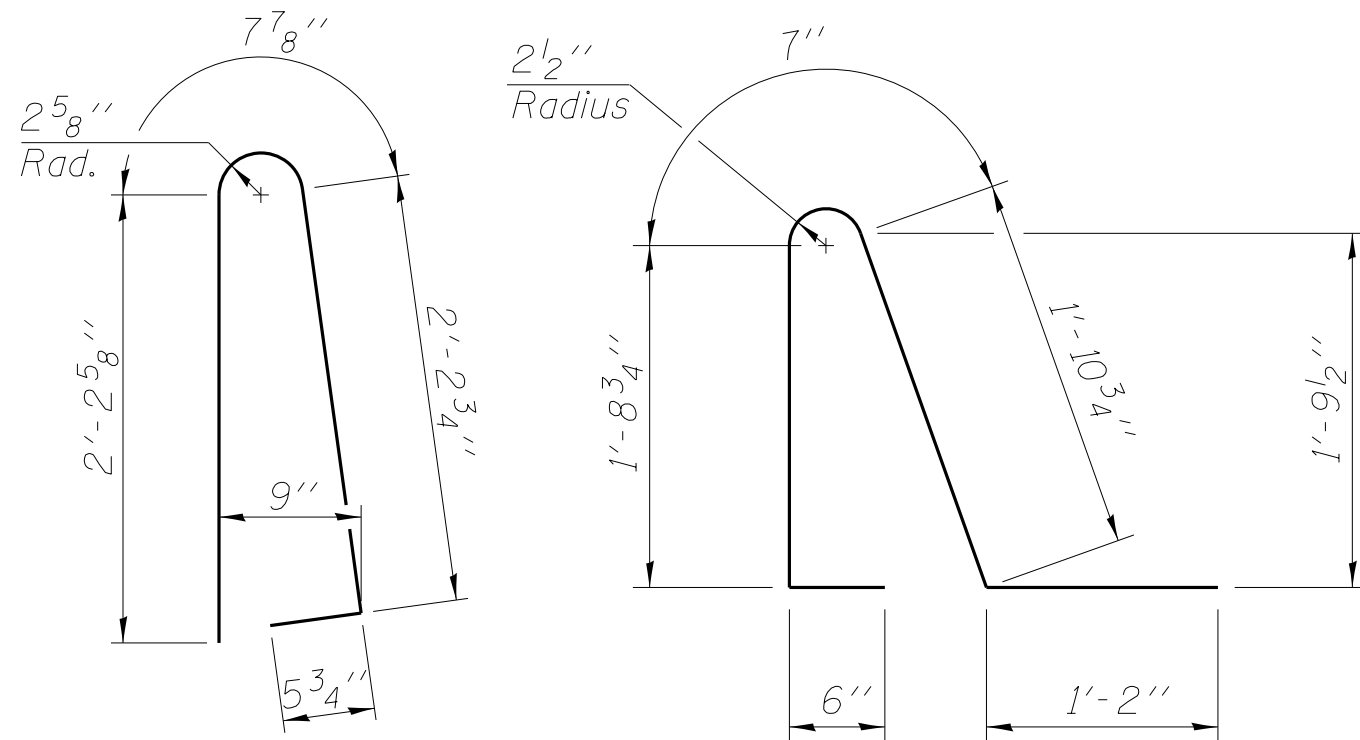


SECTION THRU PARAPET

* Place #4 D(E) bars at 9" cts. in fascia beam. D(E) bar included in cost of beam.



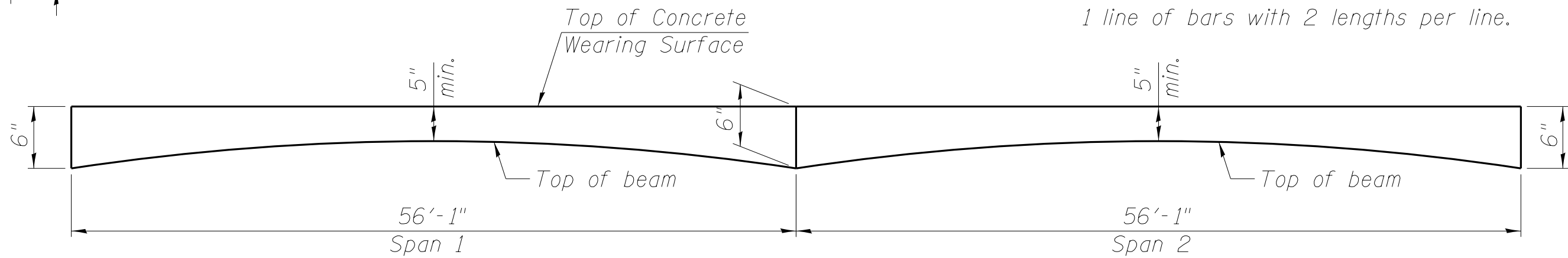
PARAPET JOINT DETAILS



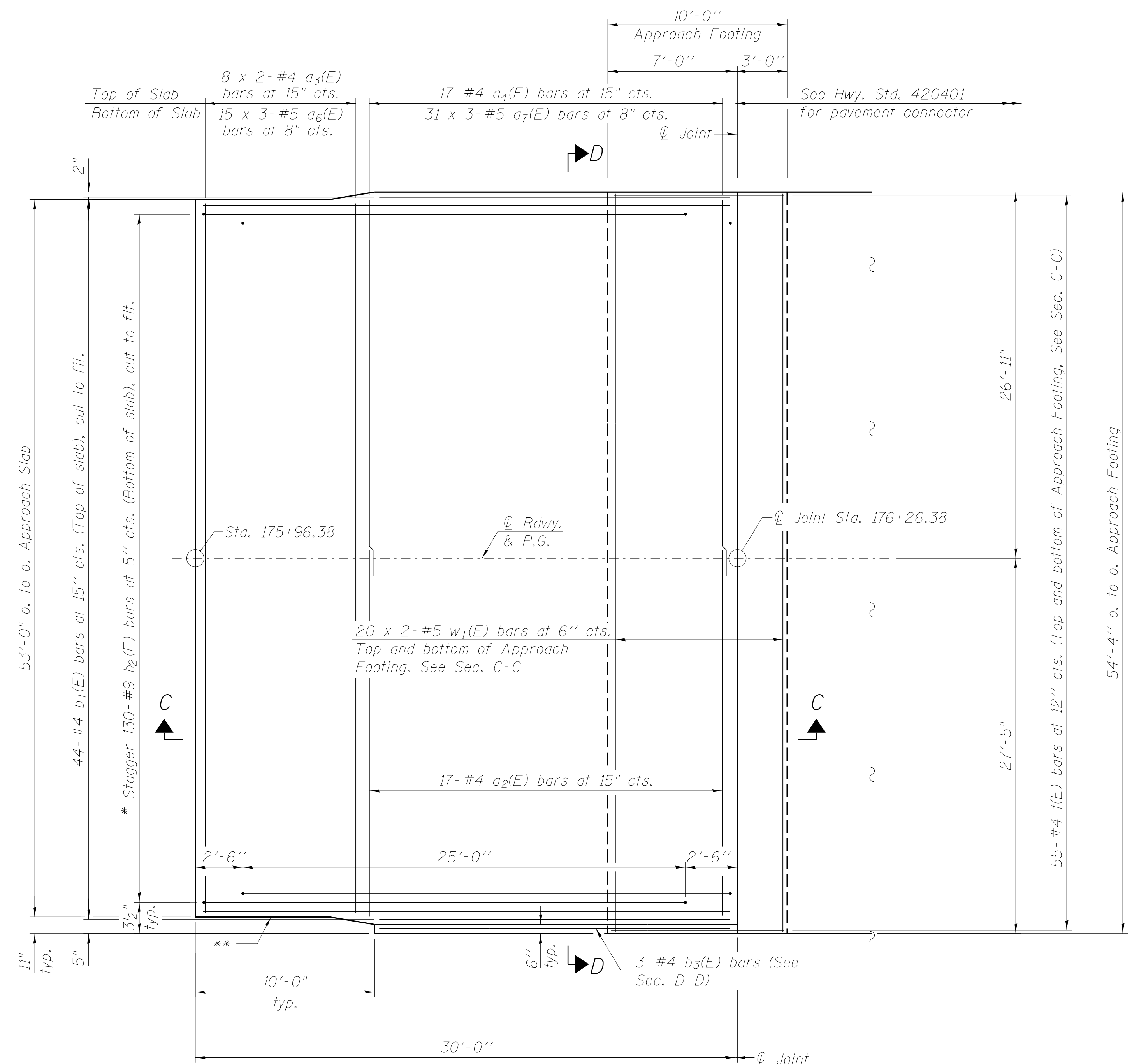
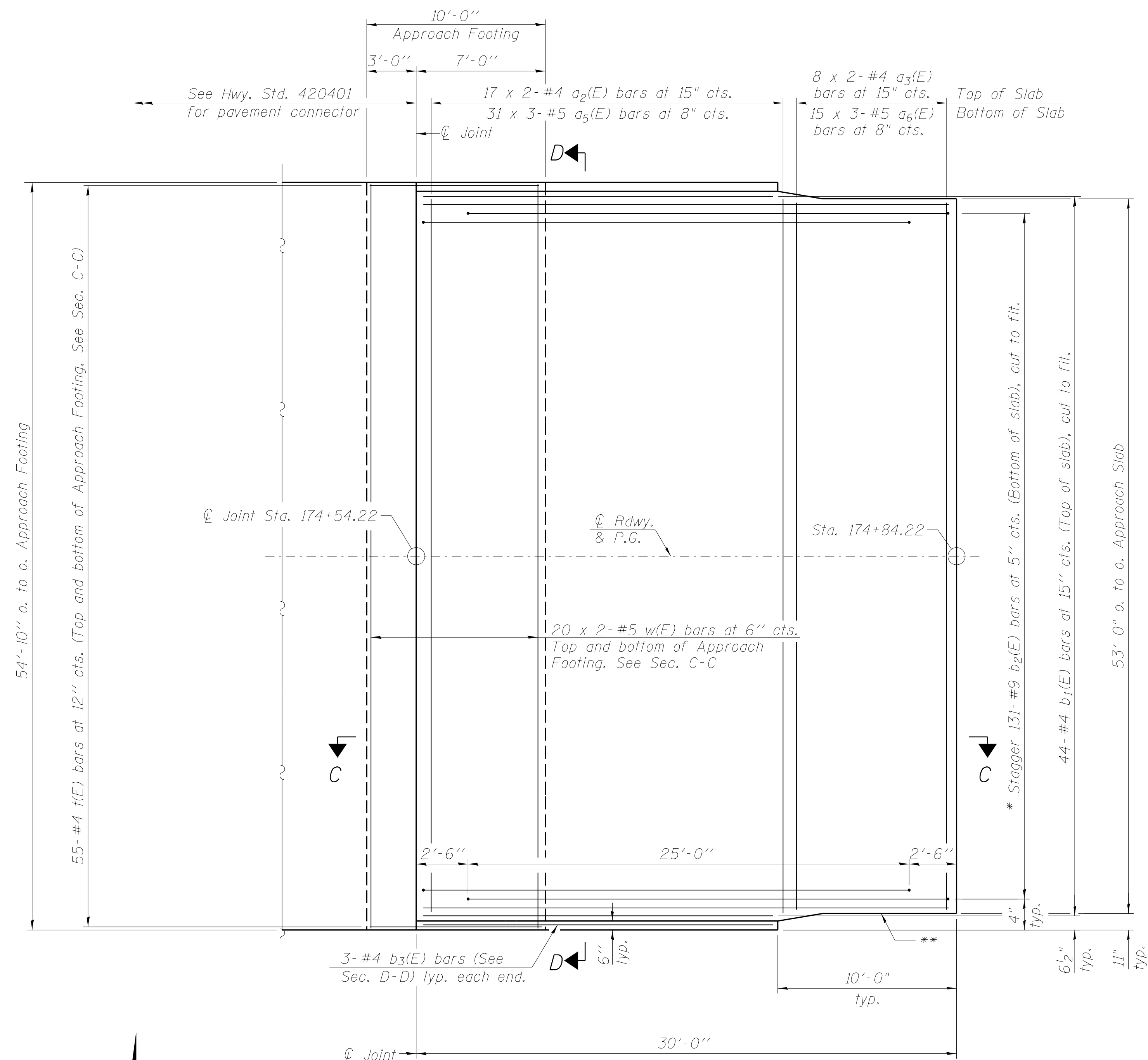
SUPERSTRUCTURE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	226	#4	29'-3"	—
a ₁ (E)	224	#4	6'-0"	—
b(E)	236	#4	29'-11"	—
d(E)	246	#5	5'-7"	⌋
d ₁ (E)	246	#5	5'-11"	⌋
e(E)	84	#4	14'-8"	—
e ₁ (E)	8	#8	24'-11"	—
e ₂ (E)	8	#4	23'-4"	—
e ₃ (E)	32	#4	10'-9"	—
e ₄ (E)	4	#8	10'-9"	—
Bridge Deck Grooving			Sq. Yd.	994
Protective Coat			Sq. Yd.	1,793
Reinforcement Bars, Epoxy Coated			Pound	14,880
Concrete Superstructure			Cu. Yd.	24.8
Concrete Wearing Surface, 5"			Sq. Yd.	698

Bars indicated thus 1 x 2- #4 etc. indicates 1 line of bars with 2 lengths per line.



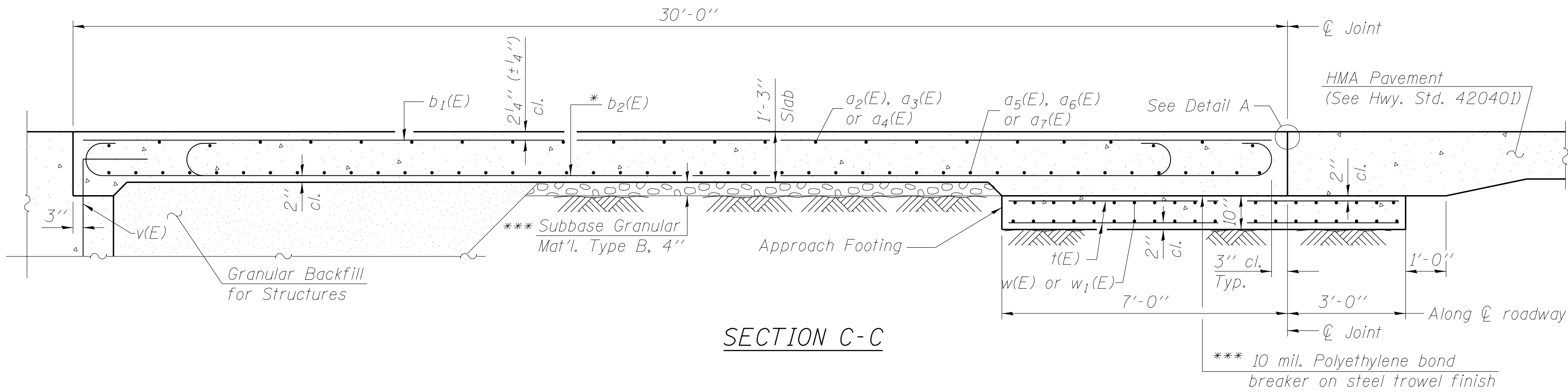
ANTICIPATED CONCRETE WEARING SURFACE PROFILE
(For information only)



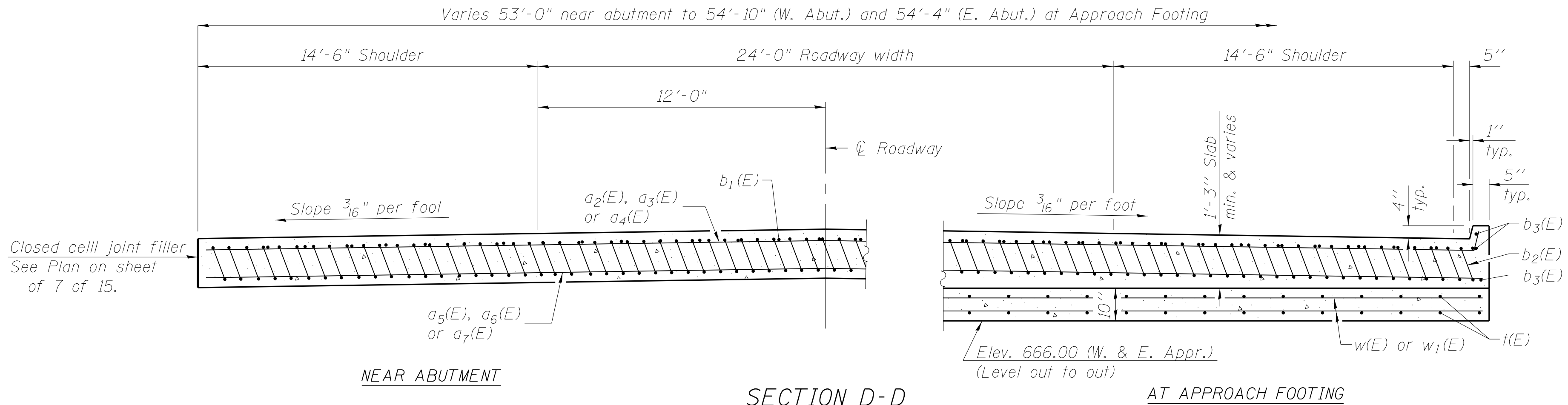
* Tilt #9 $b_2(E)$ bars as required to maintain clearance.
 ** Closed cell joint filler according to Article 1051.08 of the Std. Specifications; full depth of slab, full length of parapet. Typ. each parapet.

Note:
See sheet 8 of 15 for Sections C-C & D-D.

(Sheet 1 of 2)



SECTION C-C



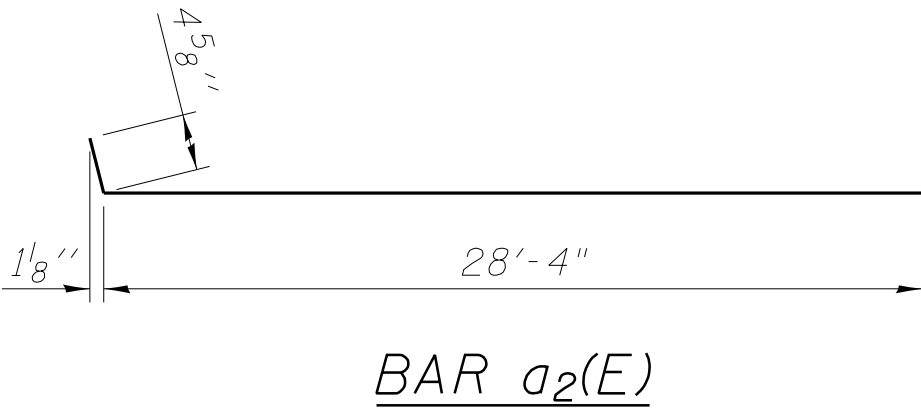
NEAR ABUTMENT

SECTION D-D

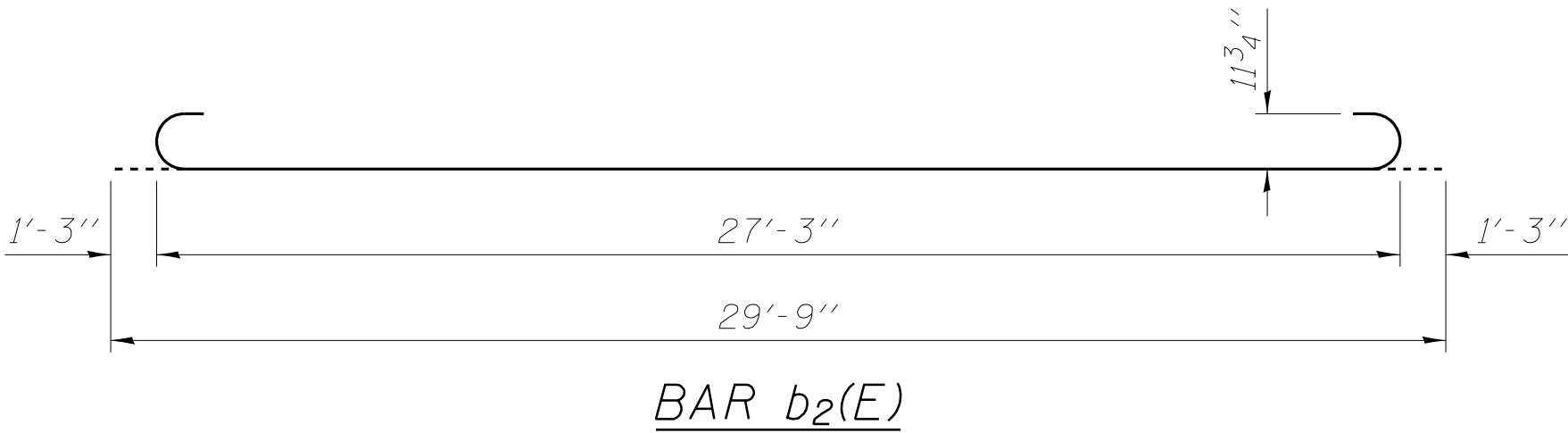
(See Plan for dimensions not shown)

AT APPROACH FOOTING

Note:
No curb on north side of east approach slab.

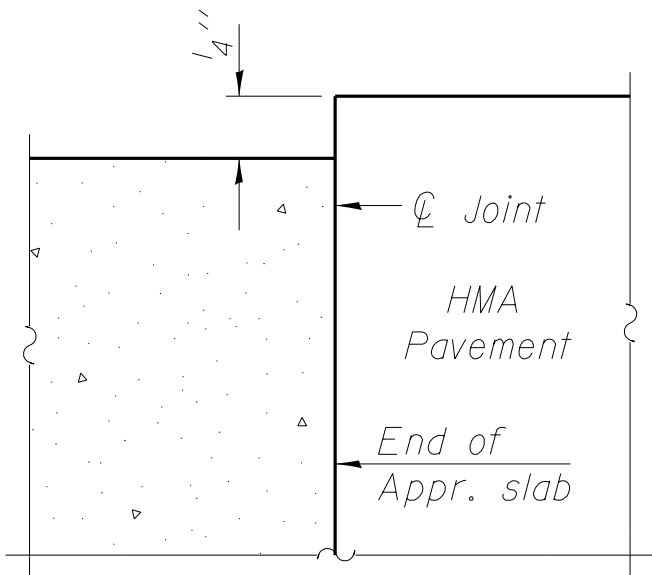


BAR $a_2(E)$



BAR $b_2(E)$

Notes:
Approach slab shall be paid for as Concrete Superstructure.
Approach footing concrete shall be paid for as Concrete Structures.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
For $v(E)$ bar details, see sheet 11 of 15.
The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 15.



FLEXIBLE PAVEMENT

DETAIL A

* Tilt #9 $b_2(E)$ bars as required to maintain clearance.

*** Cost included with Concrete Superstructure.

TWO APPROACHES
BILL OF MATERIAL

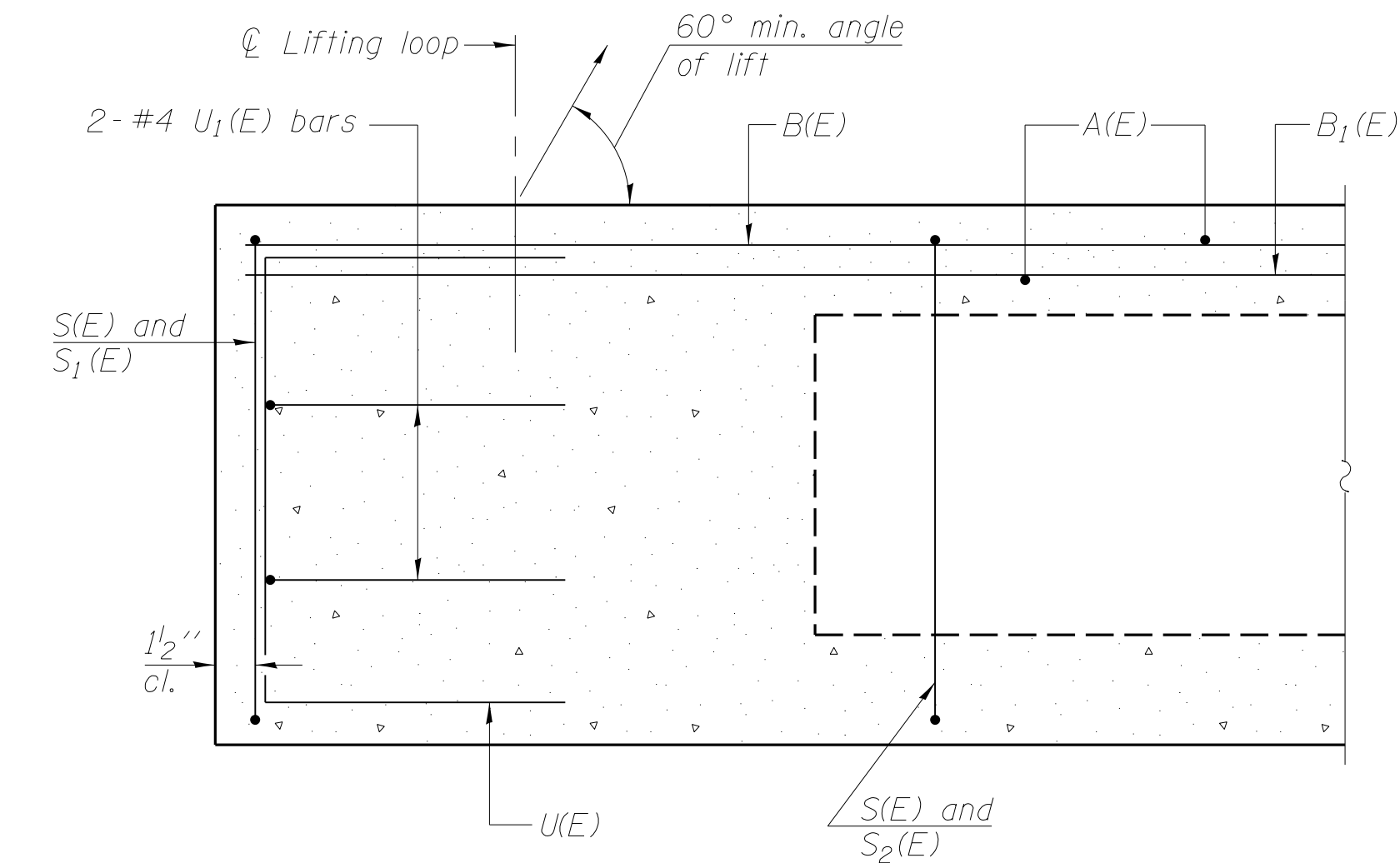
Bar	No.	Size	Length	Shape
$a_2(E)$	51	#4	28'-9"	┐
$a_3(E)$	32	#4	27'-8"	┐
$a_4(E)$	17	#4	28'-3"	┐
$a_5(E)$	93	#5	20'-4"	┐
$a_6(E)$	90	#5	28'-0"	┐
$a_7(E)$	93	#5	20'-2"	┐
$b_1(E)$	88	#4	29'-8"	┐
$b_2(E)$	262	#9	29'-9"	┐
$b_3(E)$	9	#4	19'-8"	┐
$t(E)$	220	#4	9'-8"	┐
$w(E)$	80	#5	28'-11"	┐
$wl(E)$	80	#5	28'-8"	┐
Concrete Superstructure			Cu. Yd.	150.2
Concrete Structures			Cu. Yd.	33.8
Reinforcement Bars, Epoxy Coated			Pound	43,990

Bars indicated thus 20 x 2-#5 etc. indicates 20 lines of bars with 2 lengths per line.

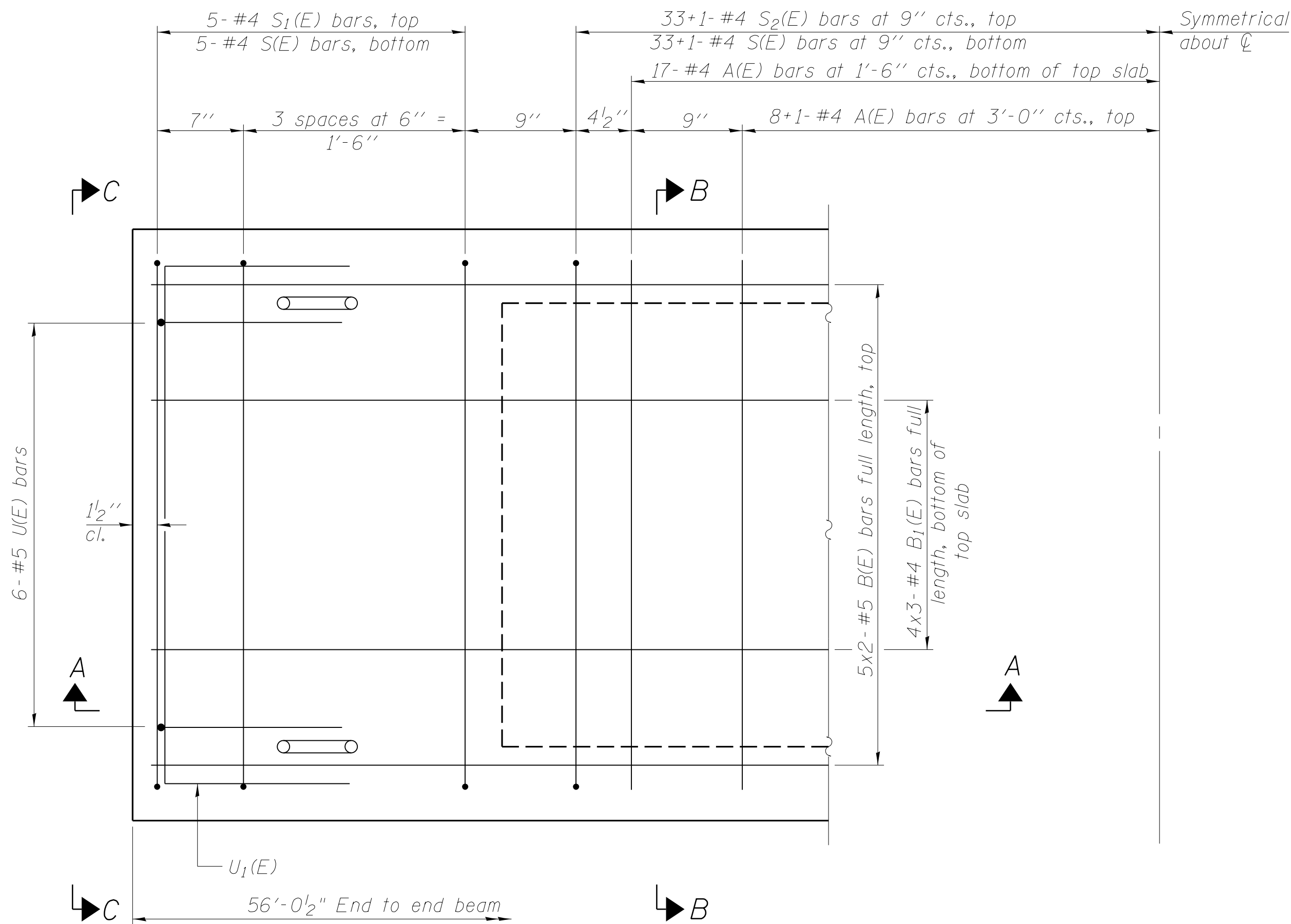
(Sheet 2 of 2)

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FILE NAME = W:\Projects\2011\10202 - JerrichoPHU\cadd\Structural\Ngrn\0453190-009-PPCDeckBeam.dgn

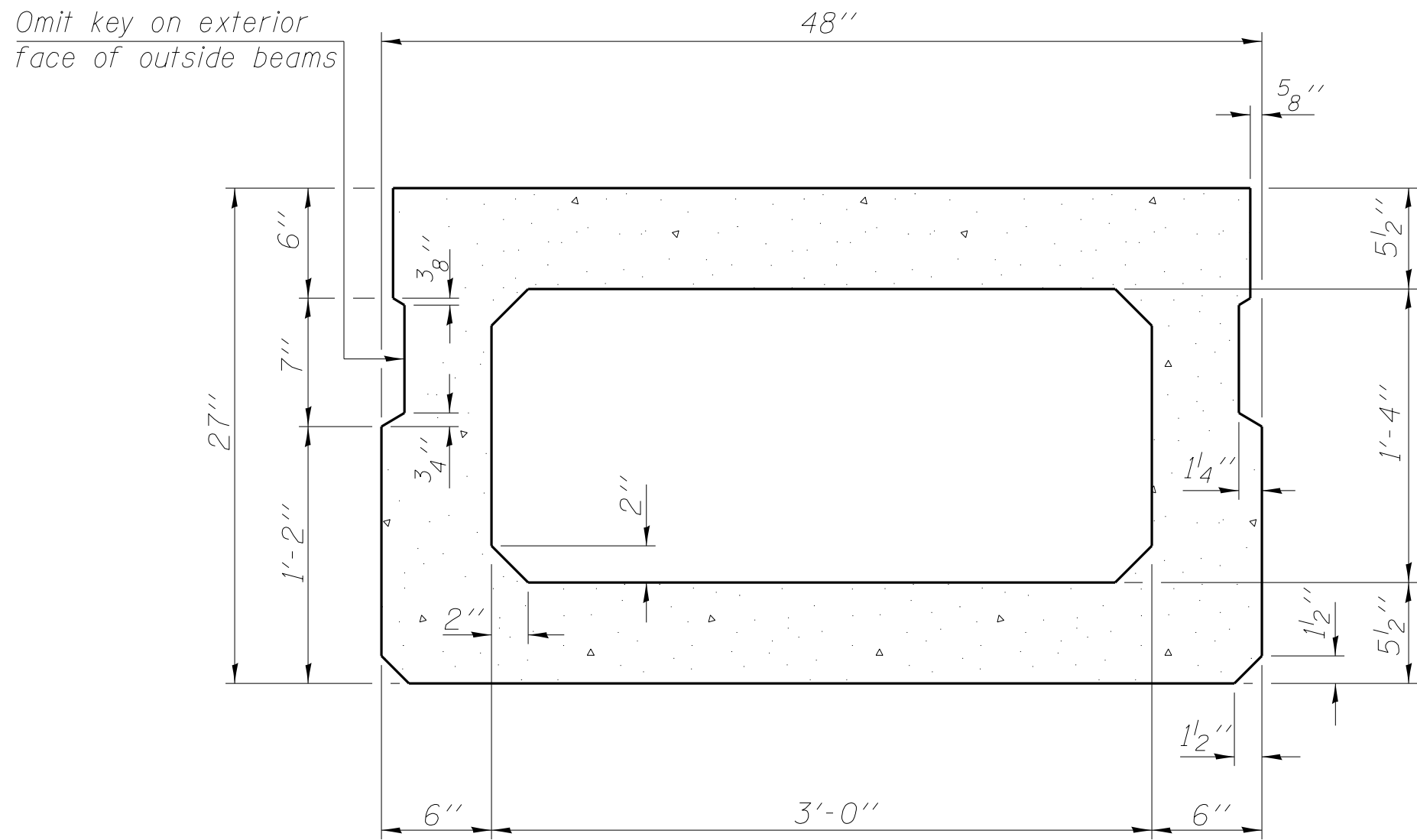


SECTION A-A



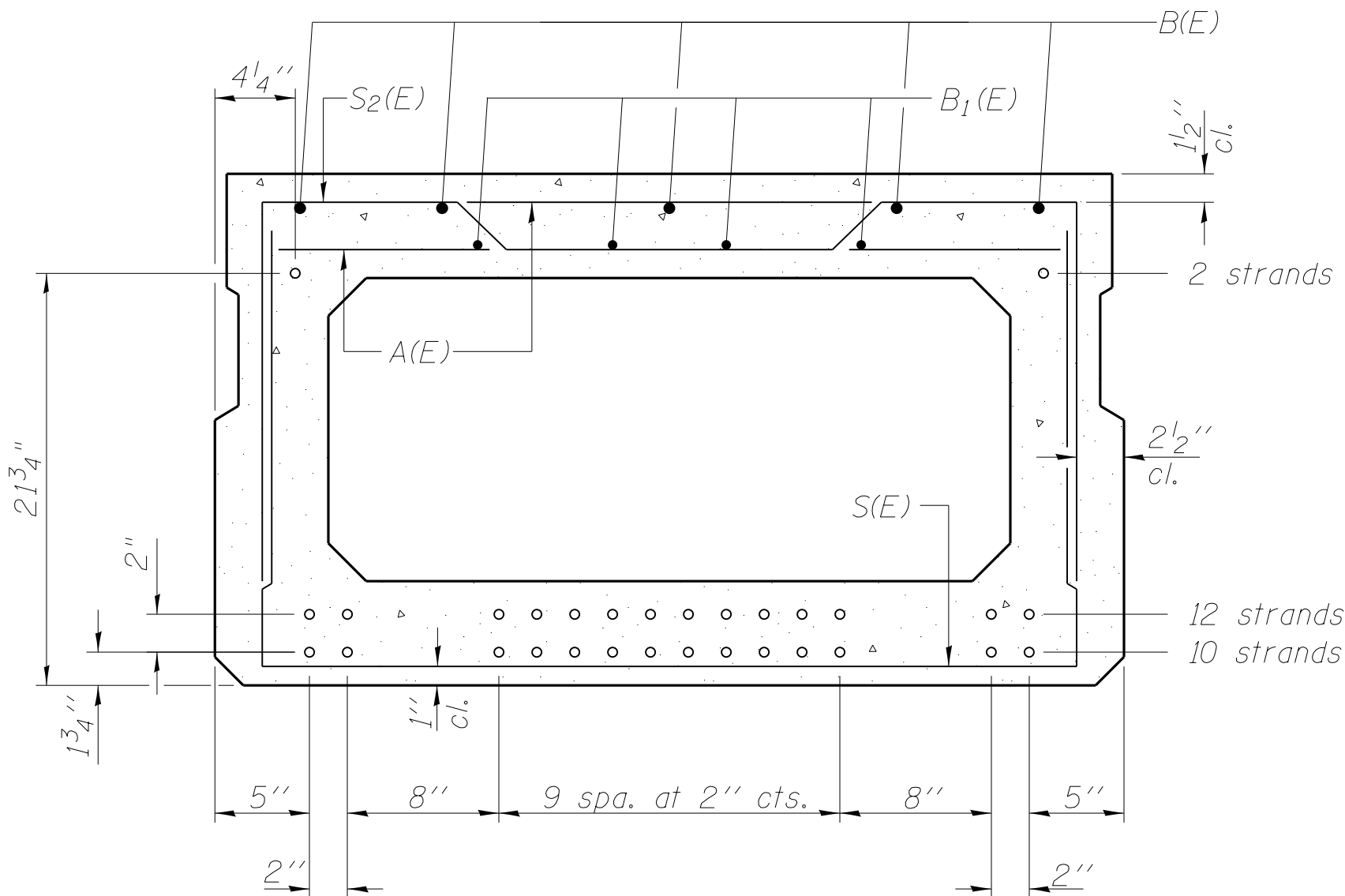
PLAN VIEW

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B

(Showing dimensions)



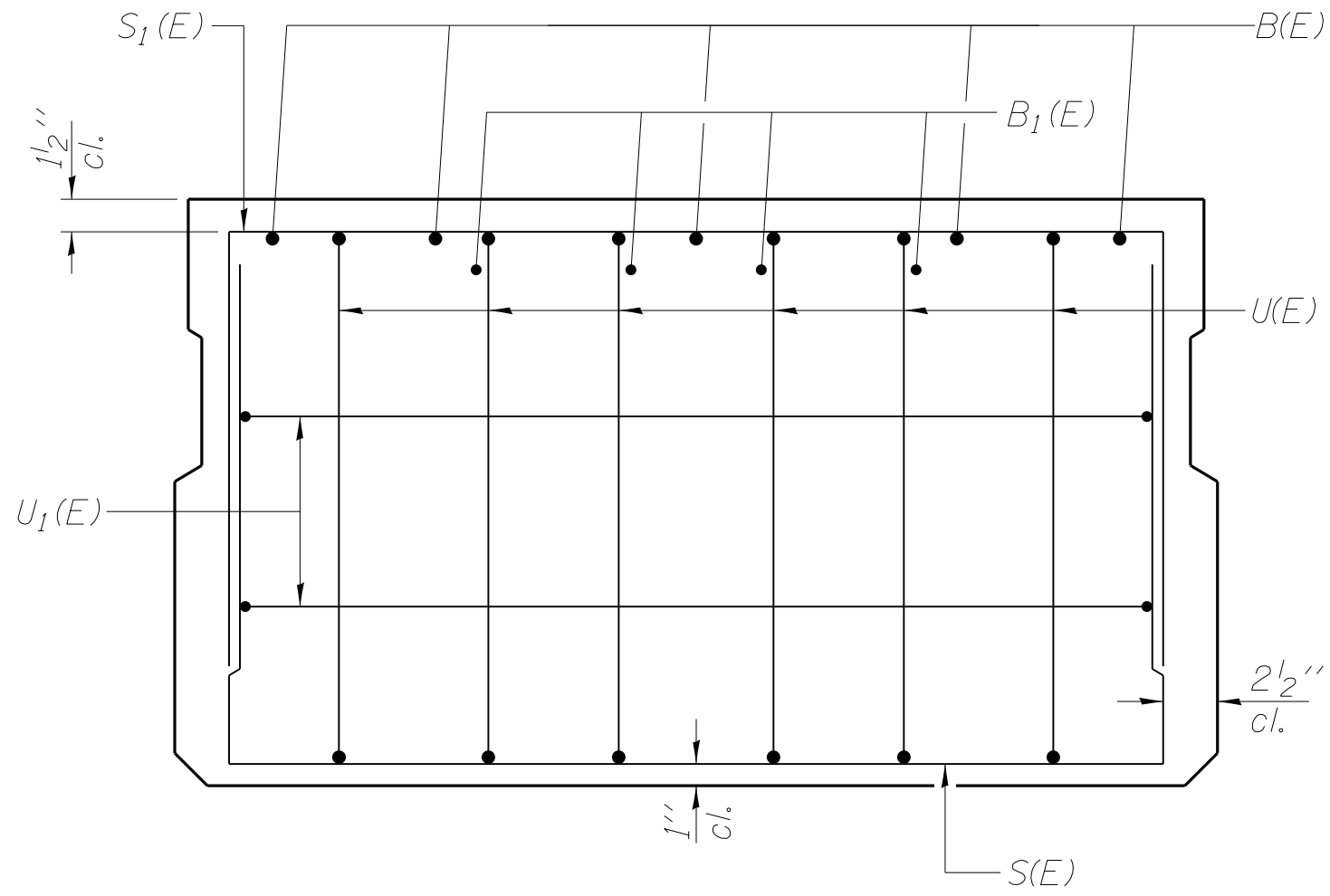
SECTION B-B

(Showing reinforcement and permissible strand locations)

24-1/2" ϕ Strands

(10 strands 1 3/4" up, 12 strands 3 3/4" up, 2 strands 2 1/4" up)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.



VIEW C-C

BAR LIST

ONE BEAM ONLY

(For information only)

Bar	No.	Size	Length	Shape
A(E)	51	#4	3'-7"	—
B(E)	10	#5	29'-2"	—
B1(E)	12	#4	20'-0"	—
S(E)	77	#4	7'-5"	└┘
S1(E)	10	#4	6'-11"	┌┐
S2(E)	67	#4	7'-2"	┌┐
U(E)	12	#5	4'-6"	└┘
U1(E)	4	#4	6'-0"	└┘

Note: See sheet 10 of 15 for additional details and Bill of Material.
Bars indicated thus 5x2-#5 etc. indicates 5 lines of bars with 2 lengths per line.

PD-2748-0

7-1-10



USER NAME = nparris	DESIGNED = HLF	REVISED =
CHECKED = AEU	REVISED =	
PLOT SCALE = #SCALE#	DRAWN = HLF	REVISED =
PLOT DATE = 7/9/2013	CHECKED = AEU	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

27" x 48" PPC DECK BEAM
STRUCTURE NO. 045-3190

SHEET NO. 9 OF 15 SHEETS

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	51
CONTRACT NO. XXXXX				
ILLINOIS FED. AID PROJECT				



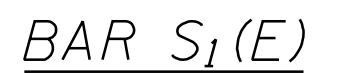
FIXED

Notes:

All bearing pads shall be 1" thick.

Omit holes when using expansion bearings.

Expansion bearing pad shall be bonded to the substructure.



Note: Connect beams in pairs with the transverse tie configuration shown.

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).

Two $\frac{1}{8}$ " fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" ϕ lifting pin shall be used to engage the lifting loops during handling.

Corrosion Inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, f'_c , shall be 6000 psi.

Compressive strength of prestressed concrete at release, f'_{ci} , shall be 5000 psi.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	6,277
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FILE NAME = W:\Projects\2011\102022_Jerry\PHI\Road\Structure\N\Draw\0453150-011-Abutments.dgn



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PLOT DATE = 7/9/2013	DRAWN = HLF	REVISED =
	CHECKED = AEU	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENTS
STRUCTURE NO. 045-3190

SHEET NO. 11 OF 15 SHEETS

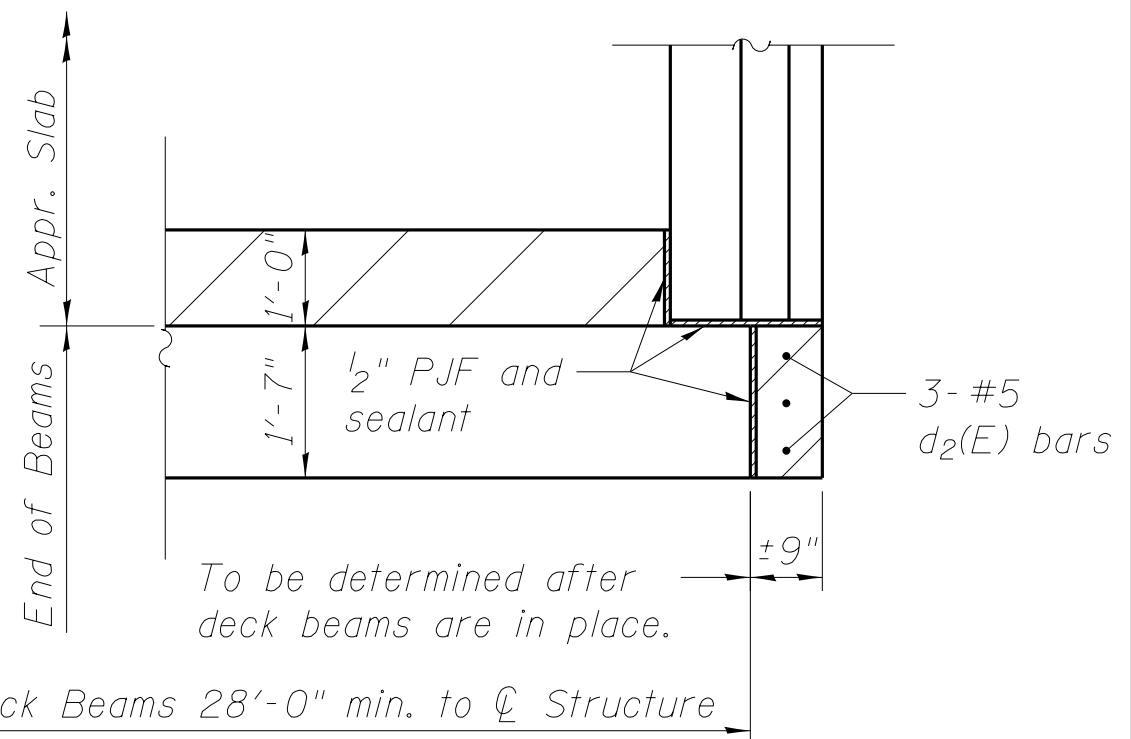
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	53
CONTRACT NO. XXXXX				
ILLINOIS FED. AID PROJECT				

BILL OF MATERIAL

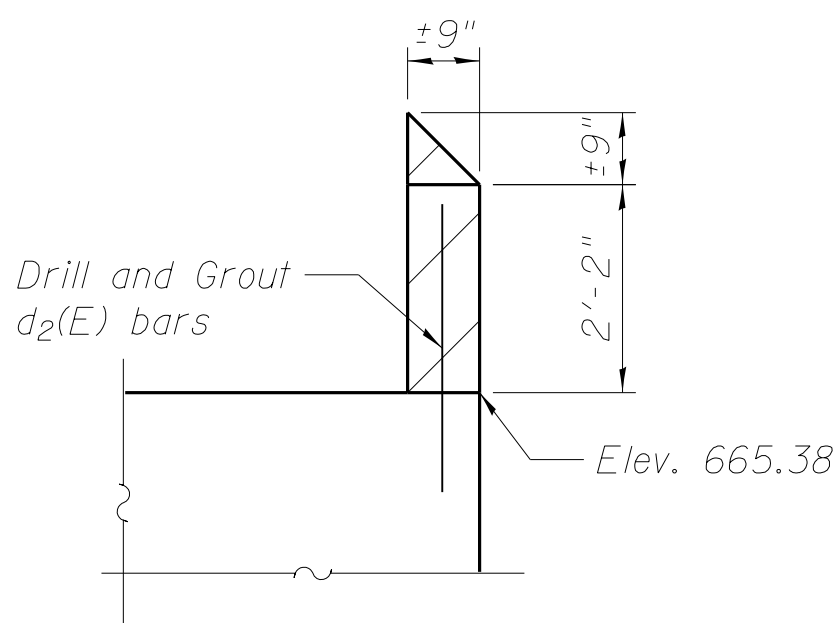
(Two Abutments)

Bar	No.	Size	Length	Shape
d ₂ (E)	12	#5	3'-0"	
h(E)	16	#5	29'-6"	
h ₁ (E)	32	#5	6'-3"	
h ₂ (E)	36	#4	9'-8"	
h ₃ (E)	24	#4	9'-9"	
n(E)	36	#6	9'-6"	
n ₁ (E)	24	#6	6'-3"	
p(E)	40	#7	31'-2"	
p ₁ (E)	24	#7	12'-8"	
s(E)	98	#4	10'-7"	
s ₁ (E)	44	#4	9'-5"	
u(E)	16	#6	9'-11"	
v(E)	114	#5	6'-7"	
v ₁ (E)	228	#5	3'-2"	
v ₂ (E)	44	#6	5'-1"	
v ₃ (E)	12	#6	7'-0"	
v ₄ (E)	32	#6	8'-2"	
Structure Excavation			Cu. Yd.	186
Concrete Structures			Cu. Yd.	66.4
Concrete Encasement			Cu. Yd.	8.4
Reinforcement Bars, Epoxy Coated			Pound	8,630
Furnishing Steel Piles, HP 12x53			Foot	996
Driving Piles			Foot	996
Test Pile, Steel HP 12x53			Each	2
Pile Shoes			Each	24

For details of piles and Concrete Encasement, see sheet 14 of 15.



PLAN



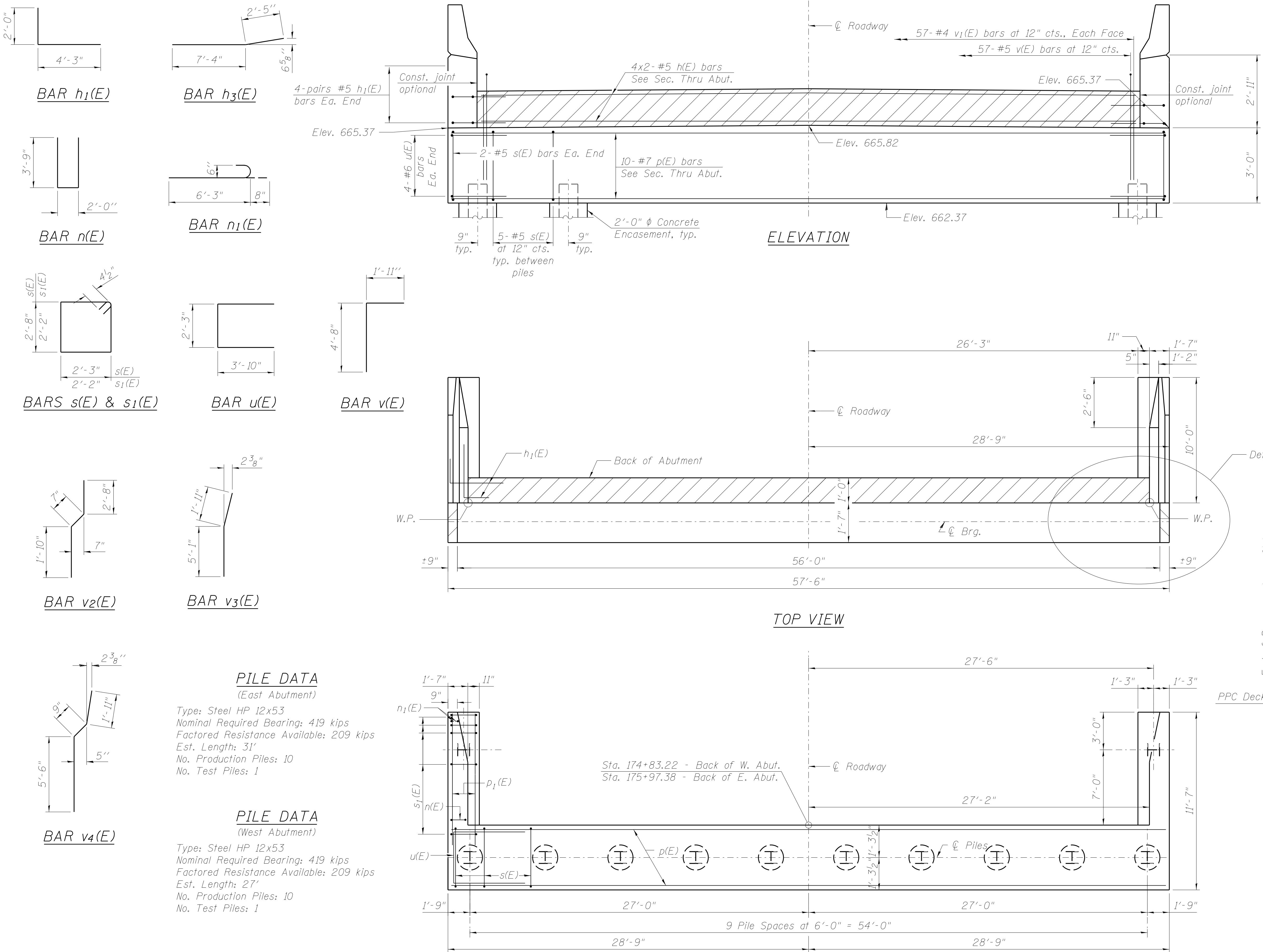
ELEVATION

DETAIL 1

ELEVATION

TOP VIEW

PLAN-PILE CAP



PILE DATA

(East Abutment)

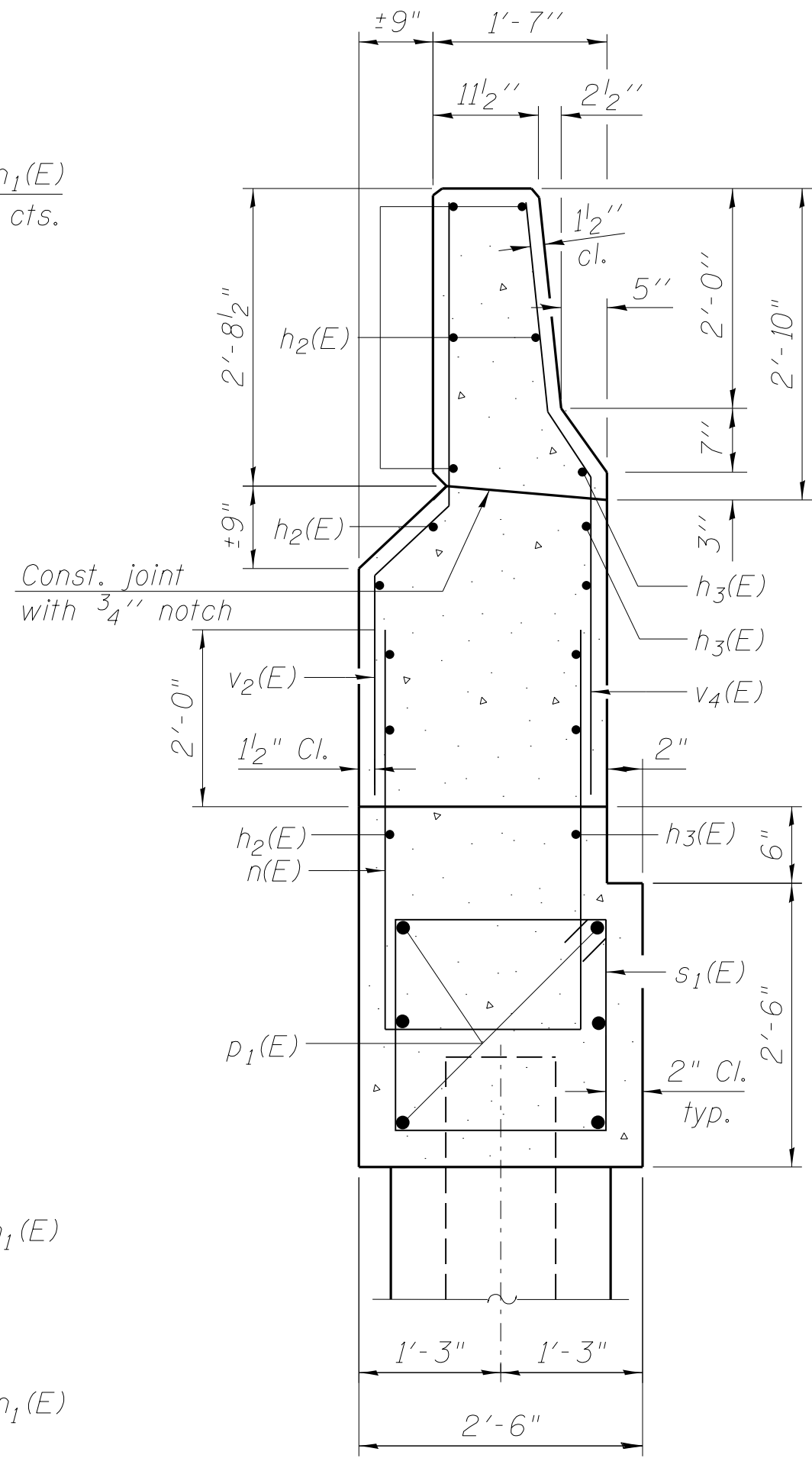
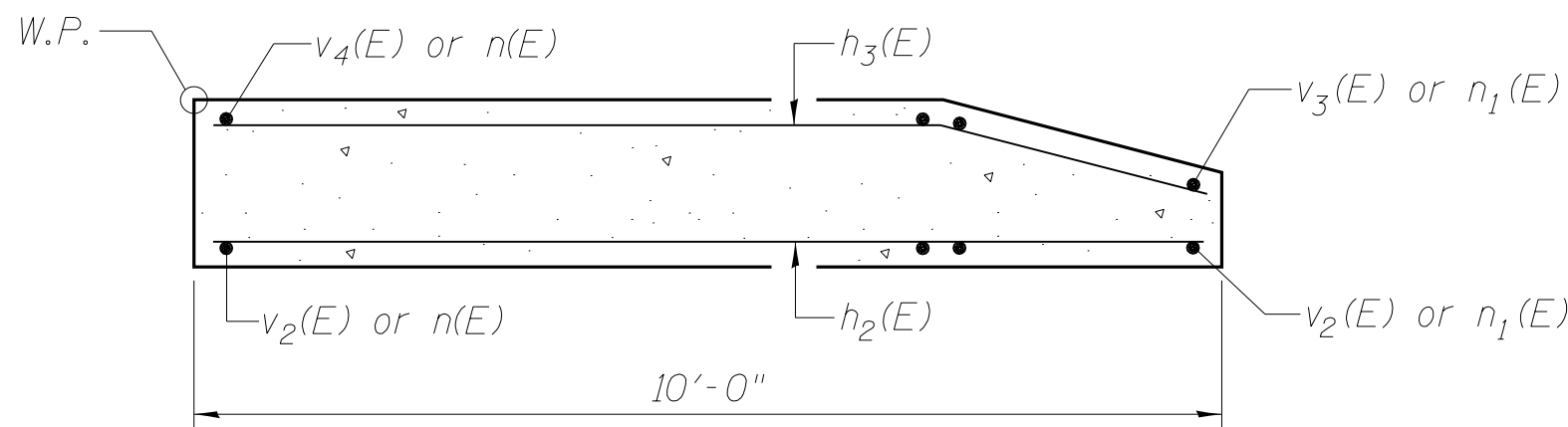
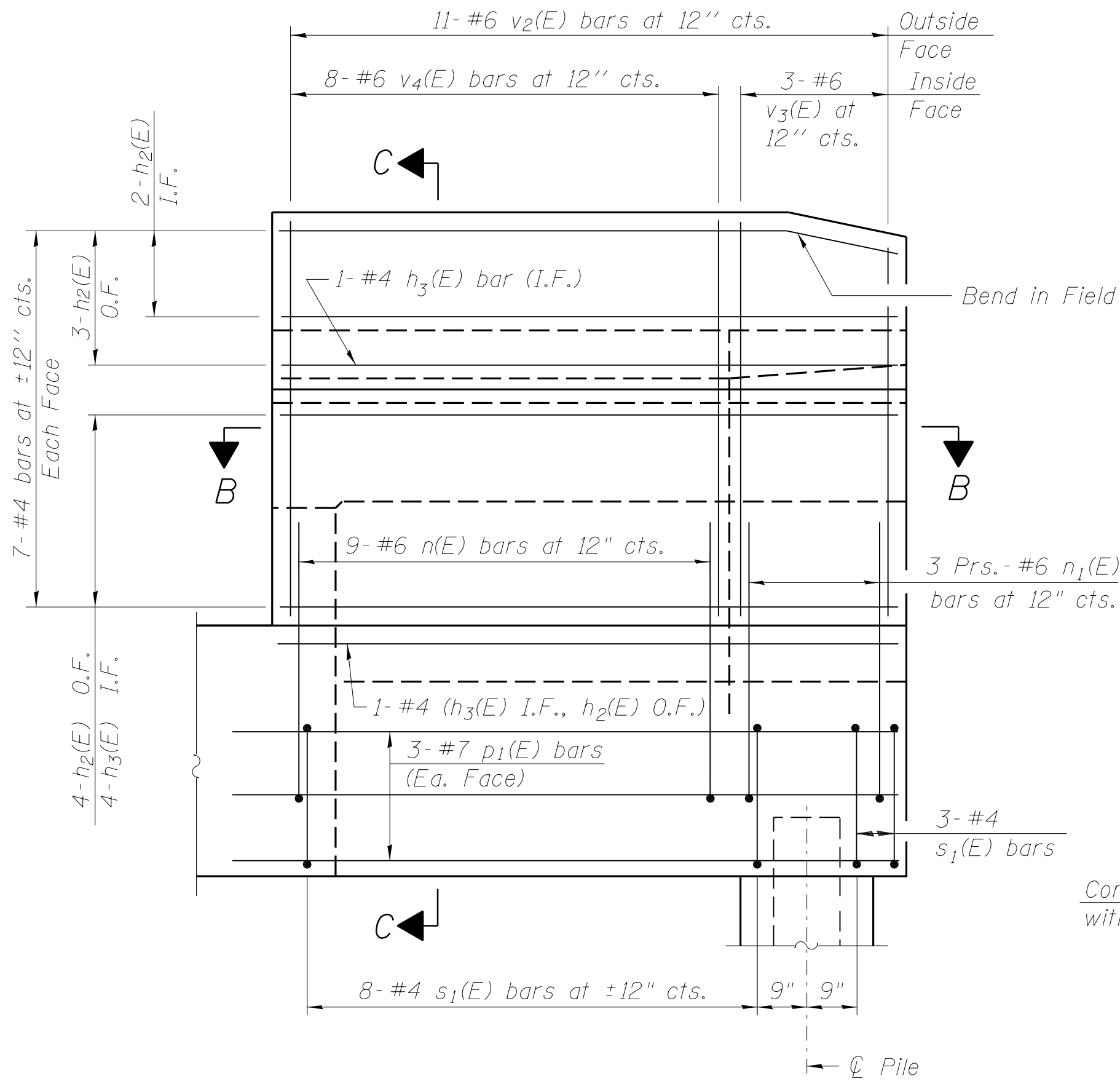
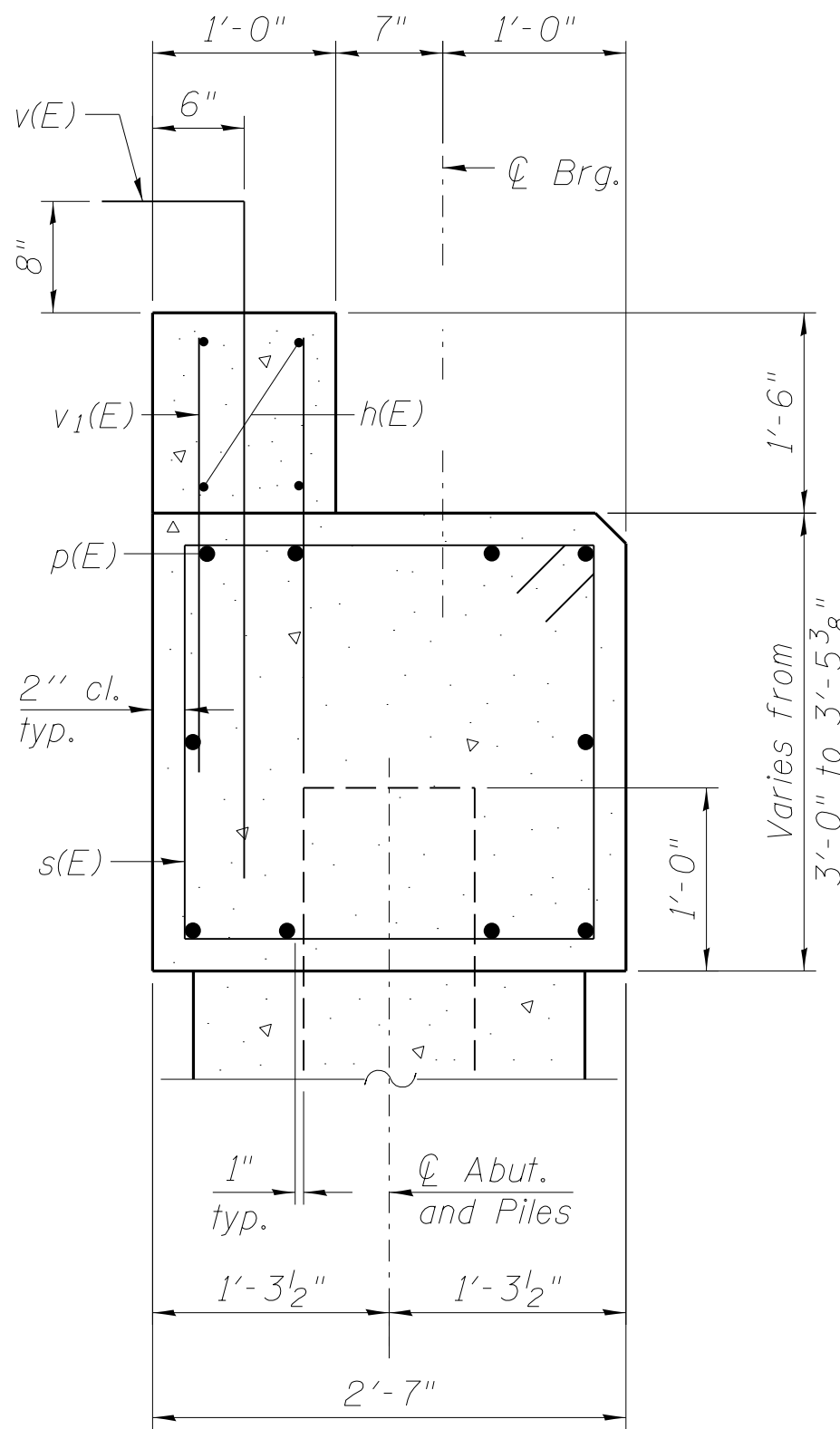
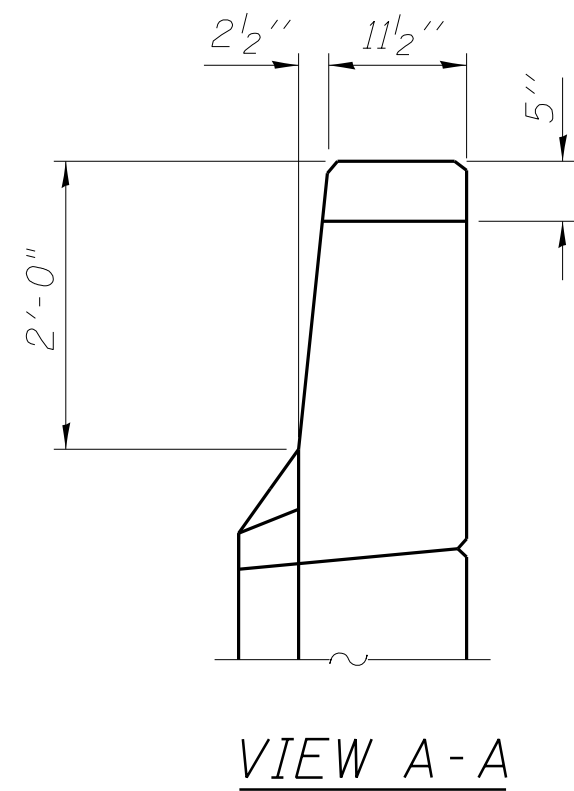
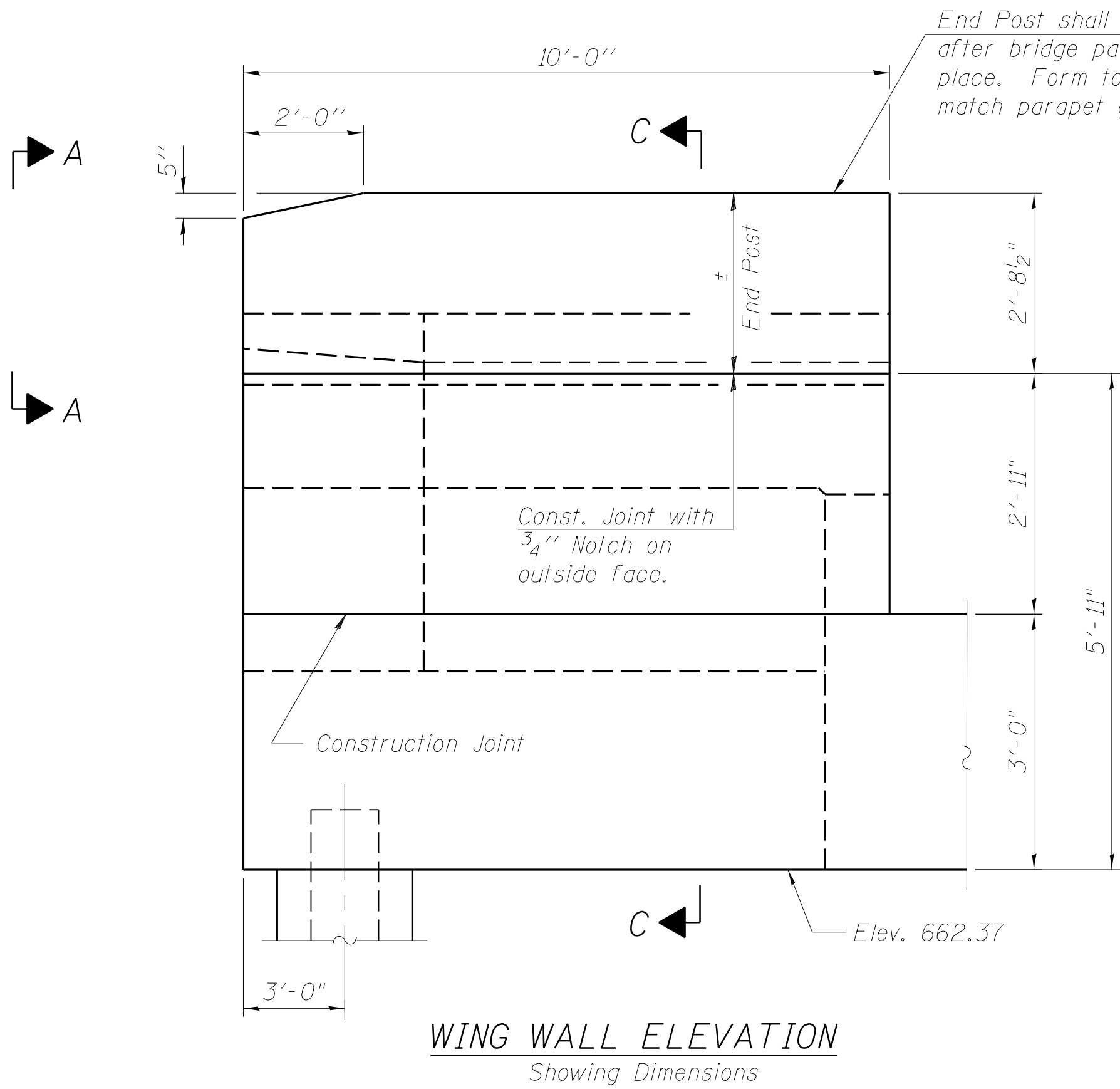
Type: Steel HP 12x53
Nominal Required Bearing: 419 kips
Factored Resistance Available: 209 kips
Est. Length: 31'
No. Production Piles: 10
No. Test Piles: 1

PILE DATA

(West Abutment)

Type: Steel HP 12x53
Nominal Required Bearing: 419 kips
Factored Resistance Available: 209 kips
Est. Length: 27'
No. Production Piles: 10
No. Test Piles: 1

FILE NAME = W:\Projects\2011\102022_JerichoPile\cadd\Structure\Ndg\0453150-012-Abutment_Details.dgn



Notes:

Hatched area to be poured after superstructure false work has been removed. Quantity of concrete included with Concrete Superstructure.

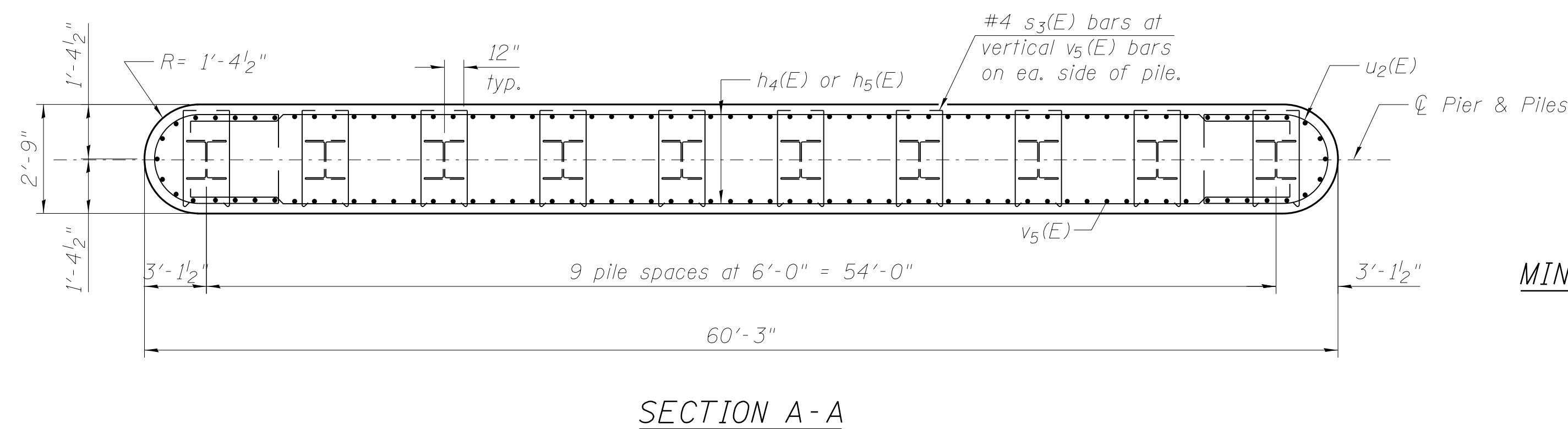
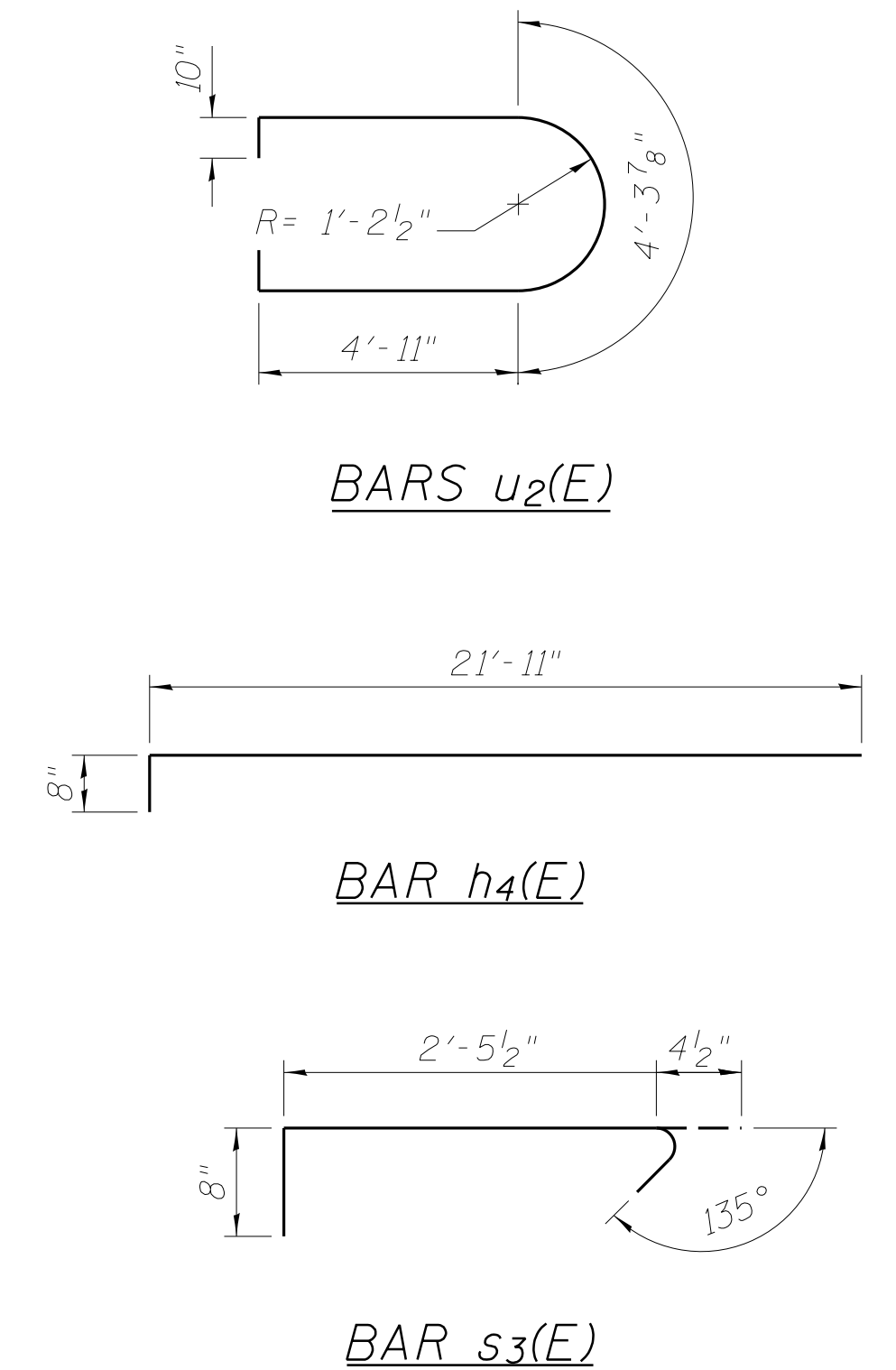
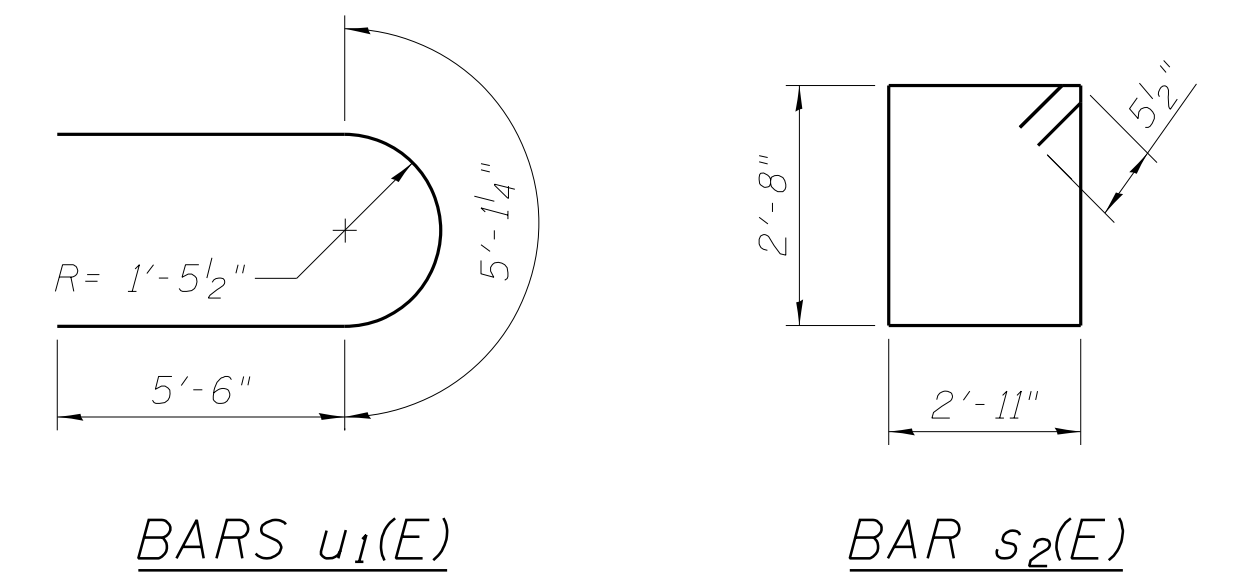
Space reinforcement in cap to miss anchor bolts.



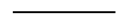



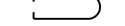

Pour steps monolithically with cap.

Quantity of concrete in end post included with Concrete Superstructure on sheet - of -.

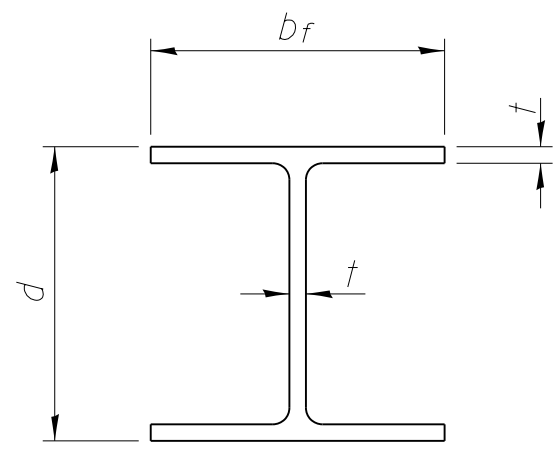
For Concrete Encasement details, see sheet 14 of 15.

FILE NAME = W:\Projects\2011\110202 JerichoPHI\cadd\Structural\Dqn\0453190-013-Pier.dgn



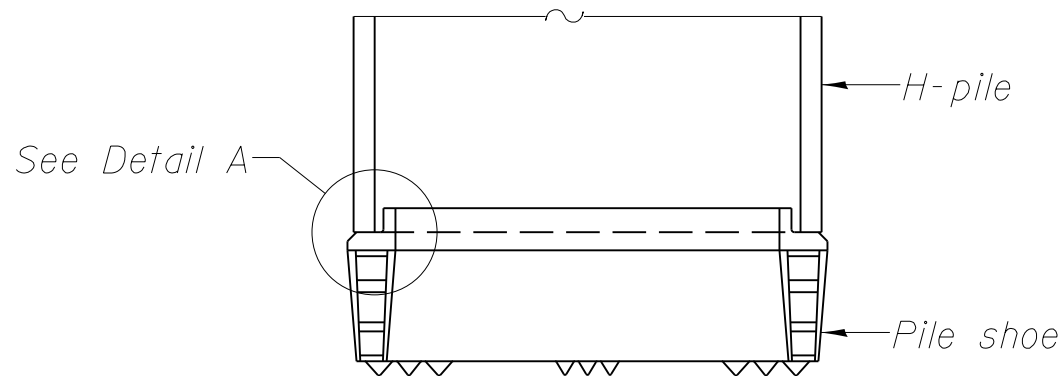
<i>Bar</i>	<i>No.</i>	<i>Size</i>	<i>Length</i>	<i>Shape</i>
$h_4(E)$	44	#5	22'-7"	
$h_5(E)$	22	#5	21'-11"	
$p_2(E)$	20	#7	32'-10"	
$s_2(E)$	60	#5	12'-1"	
$s_3(E)$	260	#5	3'-6"	
$u_1(E)$	8	#6	16'-2"	
$u_2(E)$	22	#5	14'-2"	
$v_5(E)$	120	#5	12'-6"	
<i>Cofferdam Excavation</i>			<i>Cu. Yd.</i>	163
<i>Concrete Structures</i>			<i>Cu. Yd.</i>	87.2
<i>Seal Coat Concrete</i>			<i>Cu. Yd.</i>	95
<i>Reinforcement Bars, Epoxy Coated</i>			<i>Pound</i>	6,670
<i>Furnishing Steel Piles, HP 12x53</i>			<i>Foot</i>	996
<i>Driving Piles</i>			<i>Foot</i>	996
<i>Pile Shoes</i>			<i>Each</i>	10

<div><div>WBK</div><div>WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174</div></div>	USER NAME = nparris	DESIGNED = HLF	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER STRUCTURE NO. 045-3190	FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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						ILLINOIS FED. AID PROJECT				

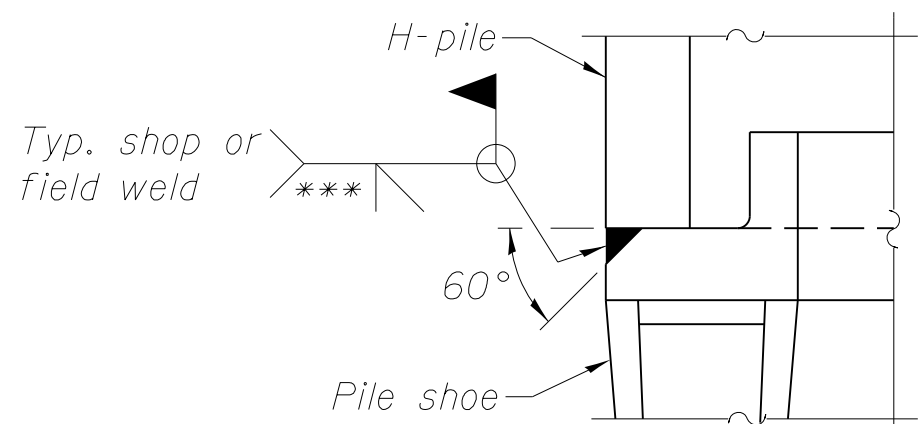


STEEL PILE TABLE

Designation	Depth <i>d</i>	Flange width <i>b_f</i>	Web and Flange thickness <i>t</i>	Encasement diameter <i>A</i>
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"

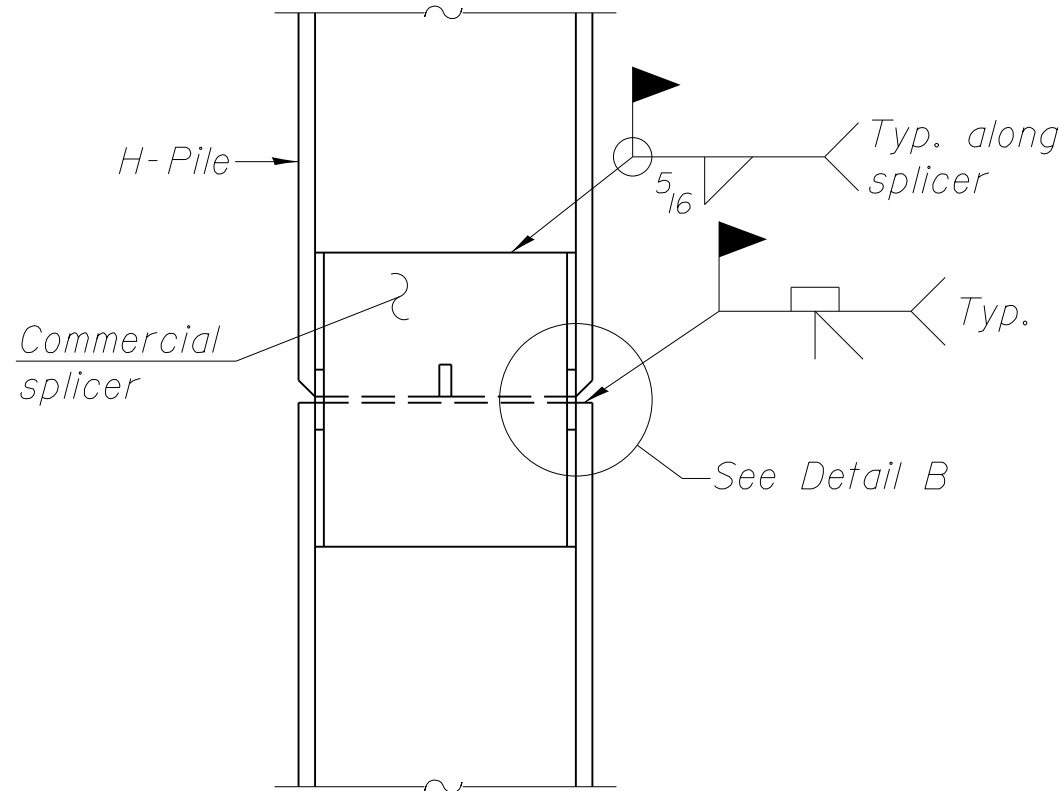


ELEVATION

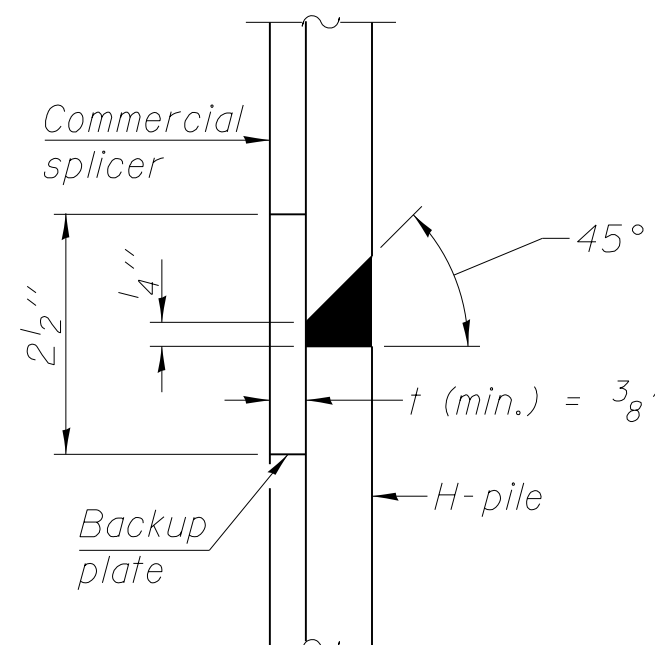


DETAIL A

H-PILE SHOE ATTACHMENT

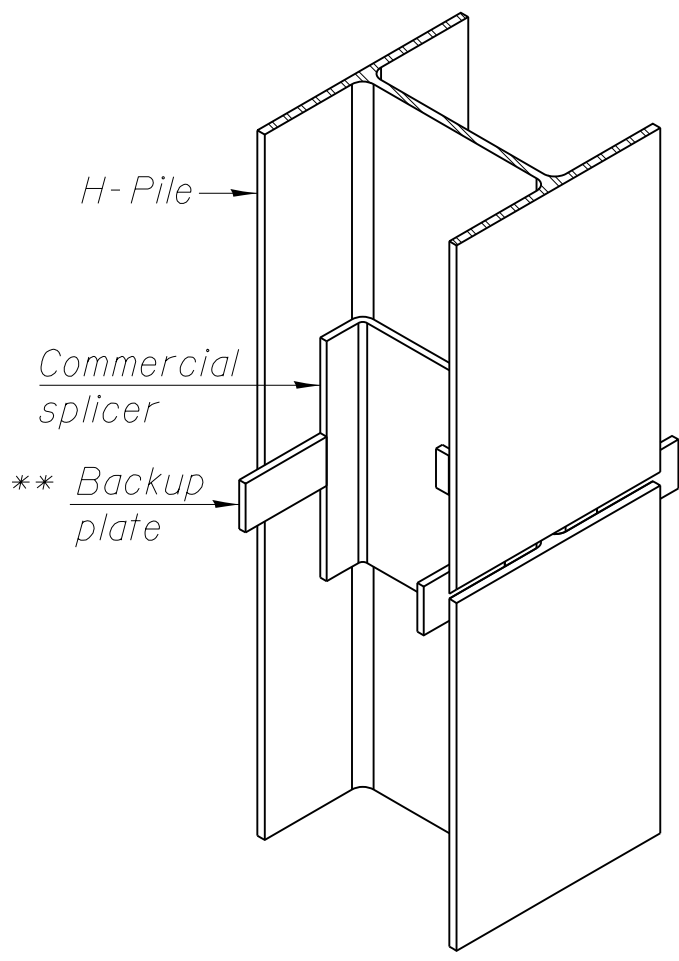


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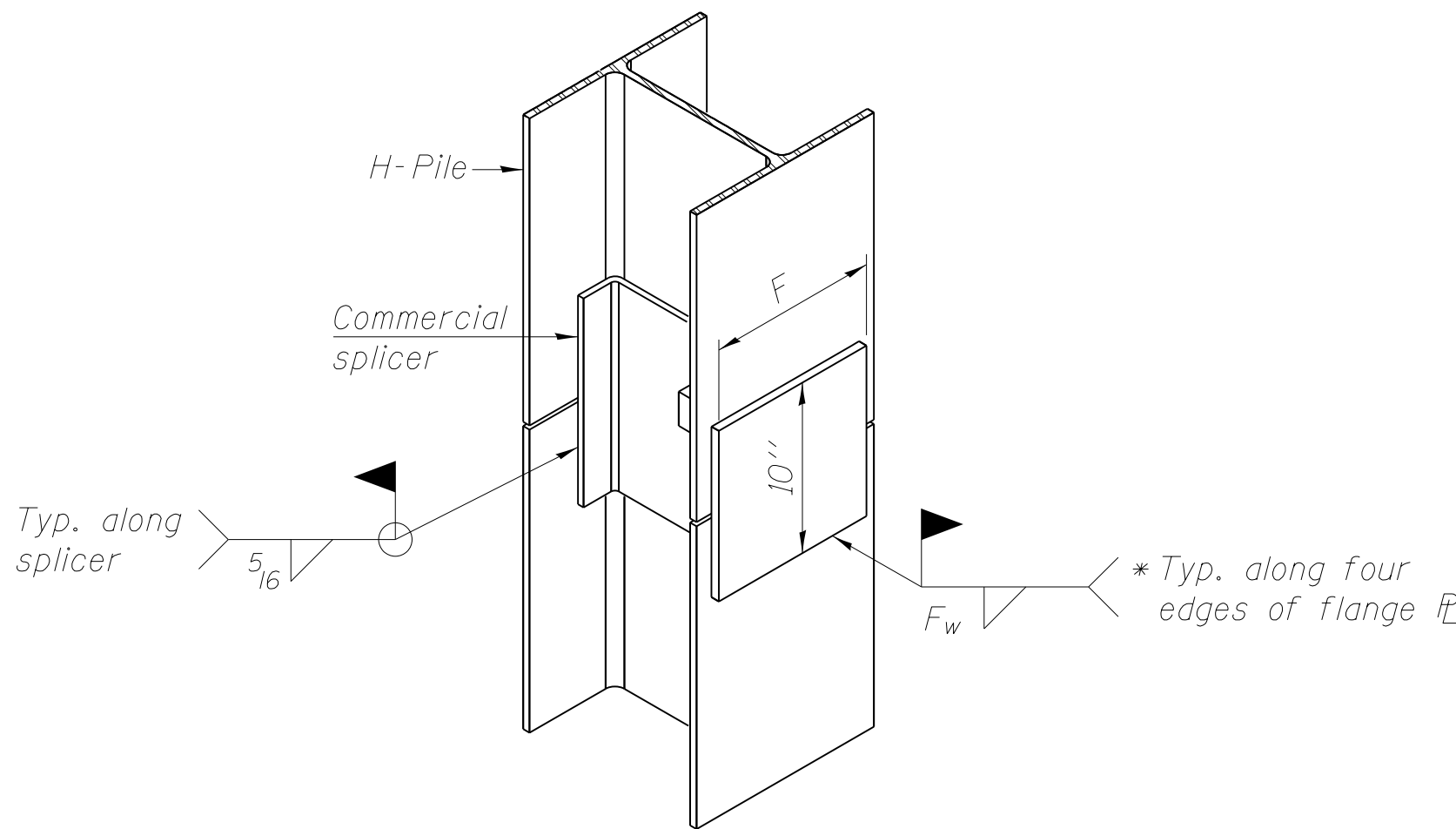


DETAIL "B"

WELDED COMMERCIAL SPLICE



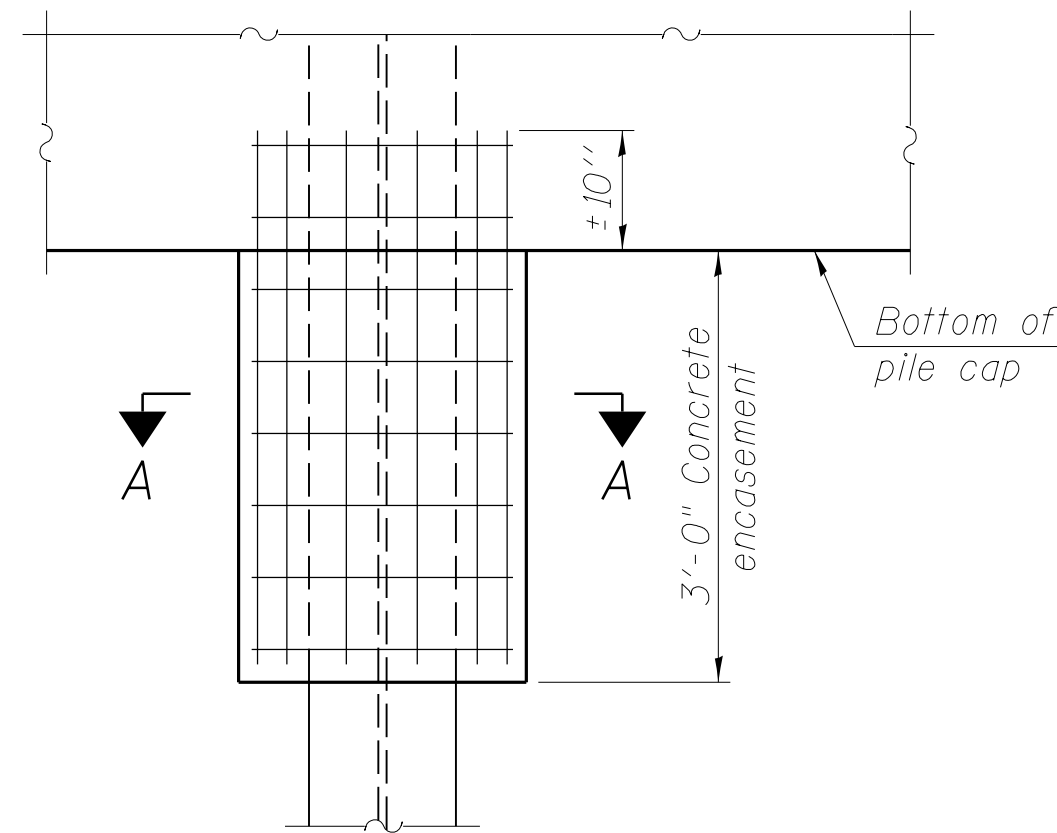
ISOMETRIC VIEW



ISOMETRIC VIEW

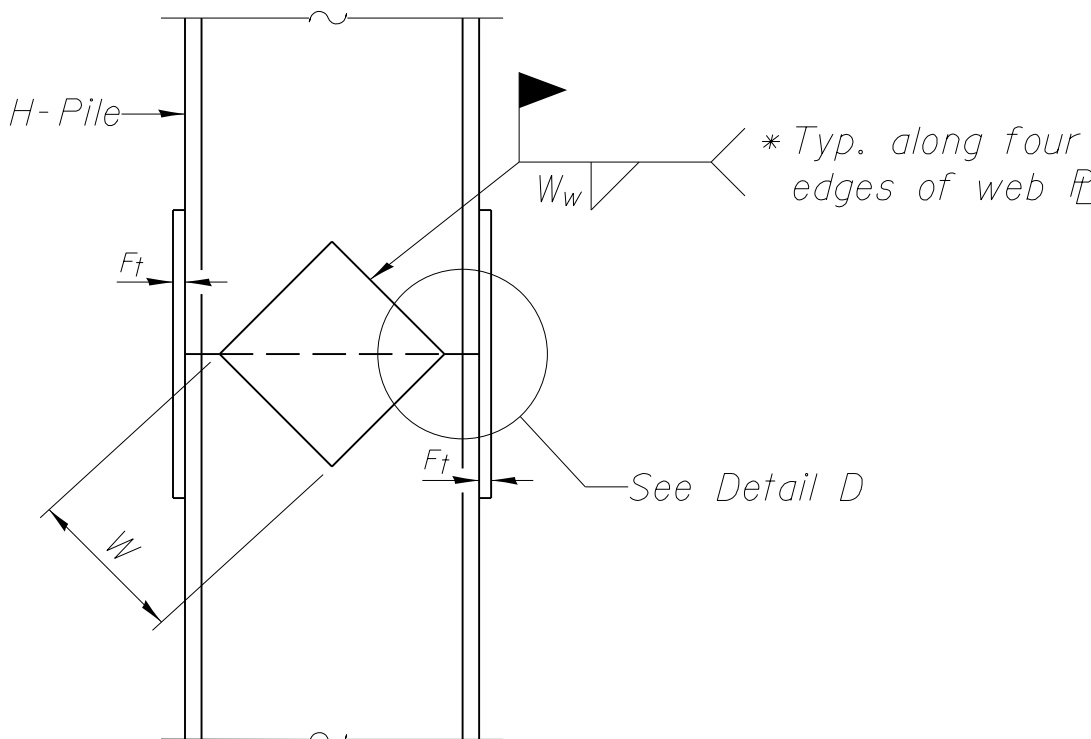
WELDED COMMERCIAL SPLICE ALTERNATE

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

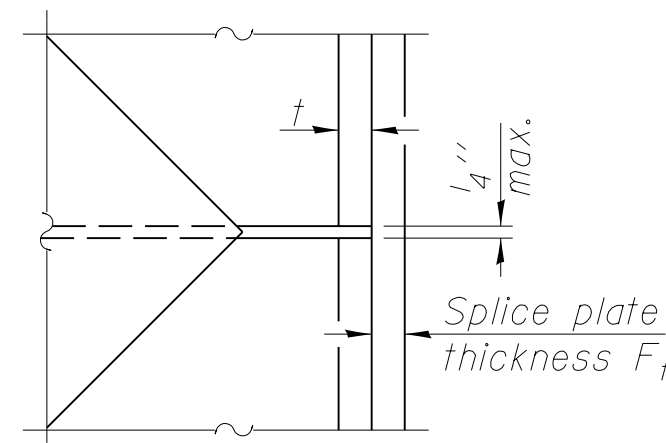


ELEVATION

PILE ENCASEMENT

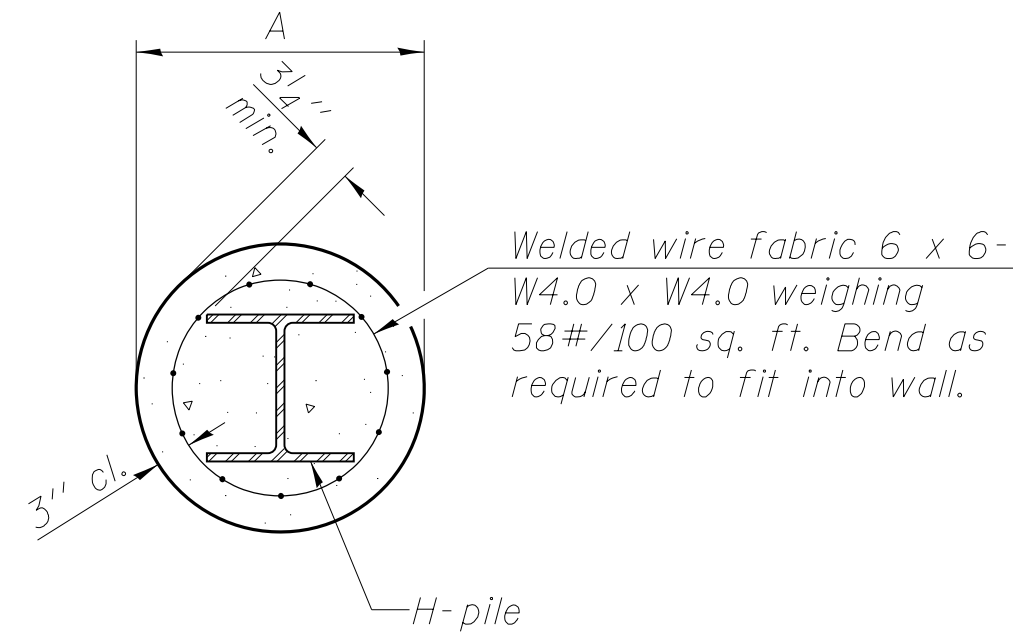


ELEVATION



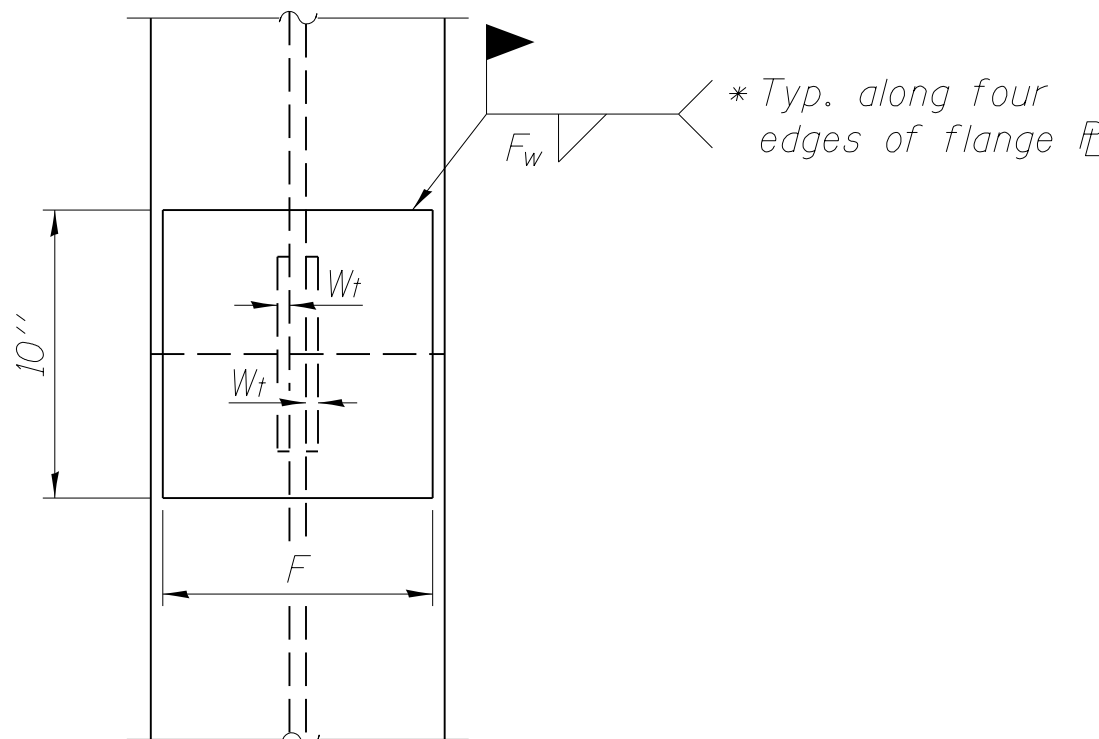
DETAIL D

WELDED PLATE FIELD SPLICE



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

SECTION A-A



END VIEW

Designation	<i>F</i>	<i>F_t</i>	<i>F_w</i>	<i>W</i>	<i>W_t</i>	<i>W_w</i>
HP 14x117	12 ¹ / ₂ "	1"	7 ₈ "	7 ³ / ₄ "	5 ₈ "	1 ₂ "
x102	12 ¹ / ₂ "	7 ₈ "	3 ₄ "	7 ³ / ₄ "	5 ₈ "	1 ₂ "
x89	12 ¹ / ₂ "	3 ₄ "	1 ₁₆ "	7 ³ / ₄ "	5 ₈ "	1 ₂ "
x73	12 ¹ / ₂ "	5 ₈ "	9 ₁₆ "	7 ³ / ₄ "	5 ₈ "	1 ₂ "
HP 12x84	10"	7 ₈ "	1 ₁₆ "	6 ¹ / ₂ "	5 ₈ "	1 ₂ "
x74	10"	7 ₈ "	1 ₁₆ "	6 ¹ / ₂ "	5 ₈ "	1 ₂ "
x63	10"	5 ₈ "	1 ₂ "	6 ¹ / ₂ "	1 ₂ "	3 ₈ "
x53	10"	5 ₈ "	1 ₂ "	6 ¹ / ₂ "	1 ₂ "	3 ₈ "
HP 10x57	8"	3 ₄ "	9 ₁₆ "	5 ¹ / ₄ "	1 ₂ "	3 ₈ "
x42	8"	5 ₈ "	9 ₁₆ "	5 ¹ / ₄ "	1 ₂ "	3 ₈ "
HP 8x36	7"	5 ₈ "	7 ₁₆ "	4 ¹ / ₄ "	1 ₂ "	3 ₈ "

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

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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	56
CONTRACT NO. XXXXX				
ILLINOIS FED. AID PROJECT				

STRUCTURE BORING LOG

Date Started 4/14/08

Date Completed 4/14/08

ROUTE	DESCRIPTION
	Jericho Road over Blackberry Creek

SECT. 76-00092-01-BR STRUCT. NO. 045-3010 DRILLED BY TSC L-70.889

COUNTY Kane LOCATION South End West Abutment S. 25, SE 1/4, TWP. 38N, RNG. 7E

ILDOT_BORING 70889-1DOT.GPJ IDOT.GDT 5/21/08

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

STRUCTURE BORING LOG

Date Started 4/14/08

Date Completed 4/14/08

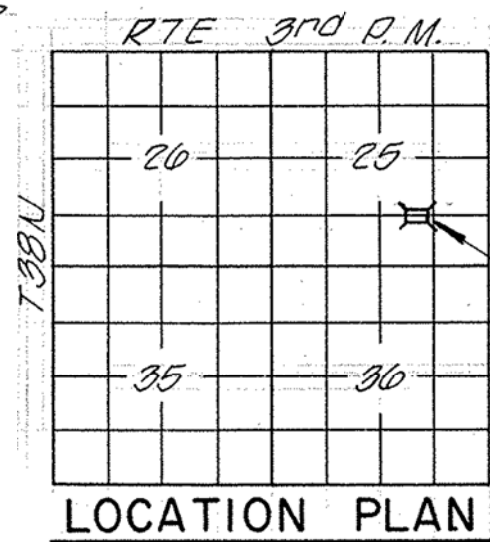
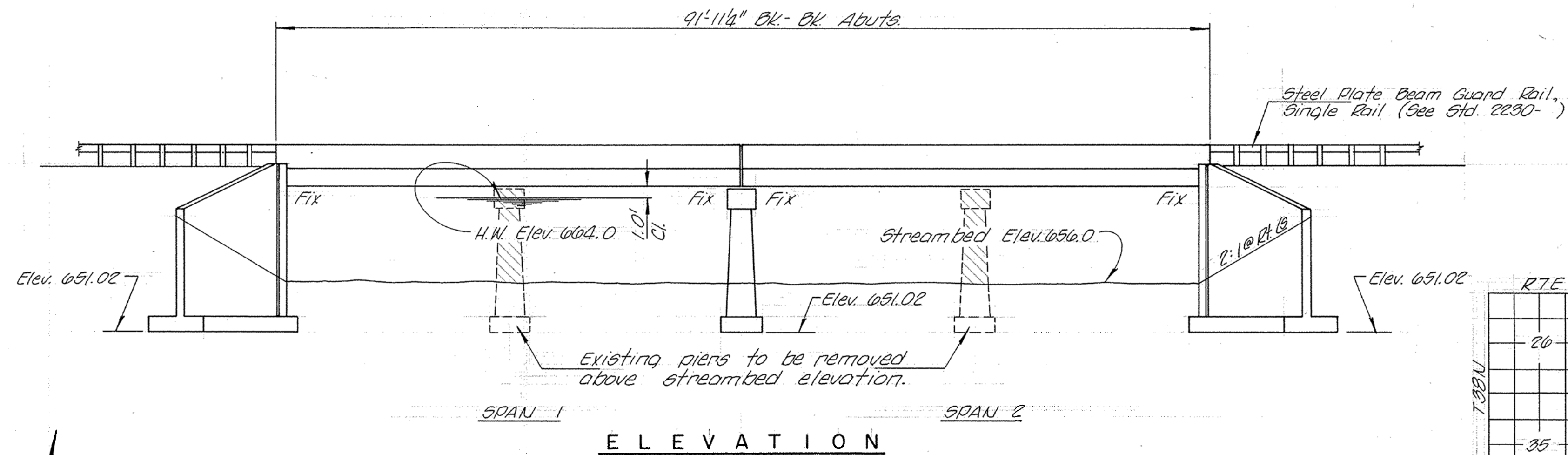
ROUTE _____ DESCRIPTION Jericho Road over Blackberry Creek

SECT. 76-00092-01-BR STRUCT. NO. 045-3010 DRILLED BY TSC L-70,889

COUNTY Kane LOCATION North End East Abutment S. 25 SE 1/4 , TWP. 38 N , RNG. 7E

ILDOT_BORING 70689-IDOT.GPJ IDOT.GDT 5/21/98

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet



605	8	Fill - Black clayey TOPSOIL
600	8	Fill - Brown silty CLAY with clayey topsoil.
600	18	Loose to firm brown SAND and GRAVEL, trace silt and clay, moist
655	35	Firm brown fine to coarse SAND and GRAVEL, trace of clay binder, wet
650	54	Dense brown fine to coarse SAND and GRAVEL, broken limestone, wet
645	61	Dense gray small to medium BOULDERS with limestone layers, some sand and gravel, wet
640	100/10	Weathered LIMESTONE with gravel
640	100/15	BOULDERS
640	100/11	Weathered LIMESTONE

BORING NO. 1
9' Lt. Sta. 175 + 95

BORING DATA

N - Standard Penetration Test - Blows per foot to drive a 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown. Boring data is shown only as a guide to bidders in estimating soil conditions which may be encountered during construction.

No backfill or embankment shall be placed behind the new portions of the abutments until the beams are in place, dowels grouted and abutment notch poured. See Art. 502.11 of the Standard Specifications.

The backs of the new abutments and wingwalls shall be waterproofed in accordance with Art. 503.11 of the Standard Specifications.

Excavation required for removing portions of the existing abutments and for constructing the new concrete abutment cap shall be considered incidental to the item Earth Excavation.

The surface of the beams shall be finished in accordance with Article 503.06 of the Std. Specifications, except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners.

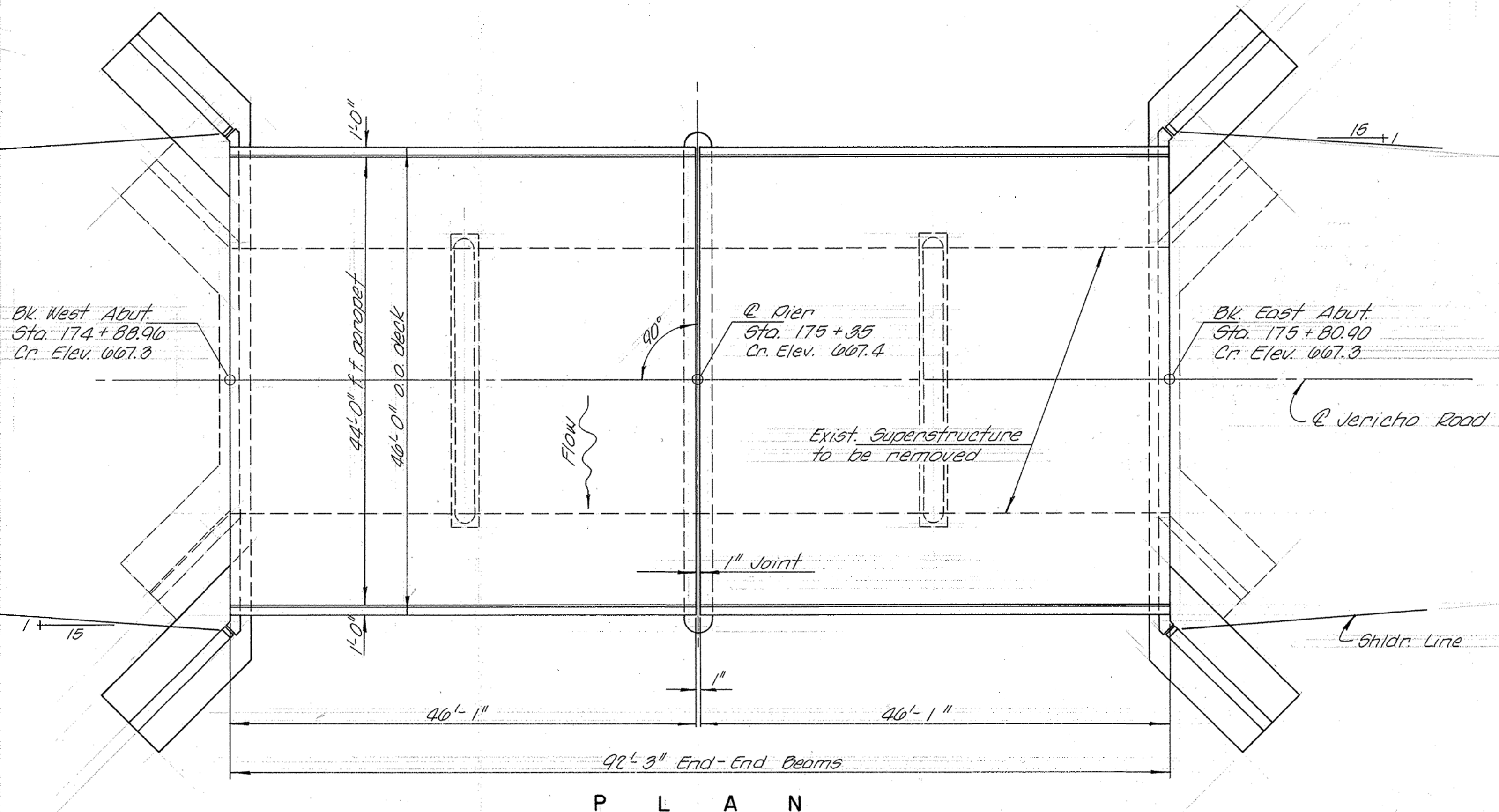
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Precast Prestressed Concrete Deck				
Beams (21" Depth)	Sq. Ft.	4,240		4,240
Class X Concrete	Cu. Yd.	14.4	123.3	137.7
Reinforcement Bars	Pound	1,620	10,410	12,530
Bituminous Mixture Complete	Ton	52		52
Sealing Crooks	Lin. Ft.		10	10
Concrete Removal	Cu. Yd.		6.9	6.9
Expansion Bolts (3/4" x 9")	Each		62	62
Expansion Bolts (3/4" x 4")	Each		26	26
Structure Excavation	Cu. Yd.		423	423
Removal of Existing Structures	Each		1	1
Waterproofing Membrane System	Sq. Yd.		451	451

DESIGN STRESSES

$f_c = 1,000$ p.s.i. (Class X Conc. - Abuts.)
 $f_c = 2,000$ p.s.i. (Prestressed Beams)
 $f_c = 1,400$ p.s.i. (Class X Conc.)
 $f_{ti} = 4,000$ p.s.i. (Prest. Beams)
 $f_{sj} = 188,700$ p.s.i. (Prest. Cables)
 $f_s = 20,000$ p.s.i. (Reinforcement)
 $n = 10$ (Cl. X), 8 (Bms.)
 $f_b = 3,000$ p.s.i. (Prest. Bms.)
 $f_s = 270,000$ p.s.i. (Prest. Cables)
LOADING HS 20-44

Robert E. Latta
Illinois Structural No. 2675



WATERWAY DATA

Drainage Area	28,500 Acres
Req'd. Opening (30 Yrs.)	700 Sq. Ft.
Present Opening	665 Sq. Ft.
Proposed Opening	700 Sq. Ft.

STRUCTURE NO. 3010
BLACKBERRY CREEK
SECTION 76-00092-01-BR
REBUILT 197 BY
KANE COUNTY
LOADING HS 20

LETTERING FOR NAME PLATE

See Std. 2113-1

GENERAL PLAN & ELEVATION
SECTION 76-00092-01-BR
KANE COUNTY
STATION 175+35

COLLINS AND RICE
CONSULTING ENGINEERS

DRAWN REG. A.D. CHECKED REG. DATE 3-4-76 PG. 1017

FILE NAME = \\NA\Projects\2011\102022 - Jericho Rd\Drawings\Shr\EXSTR 02.dgn

USER NAME = nparr15	DESIGNED -	REVISED -
PLOT SCALE = 1:20	DRAWN -	REVISED -
PLOT DATE = 7/9/2013	CHECKED -	REVISED -
	DATE -	REVISED -

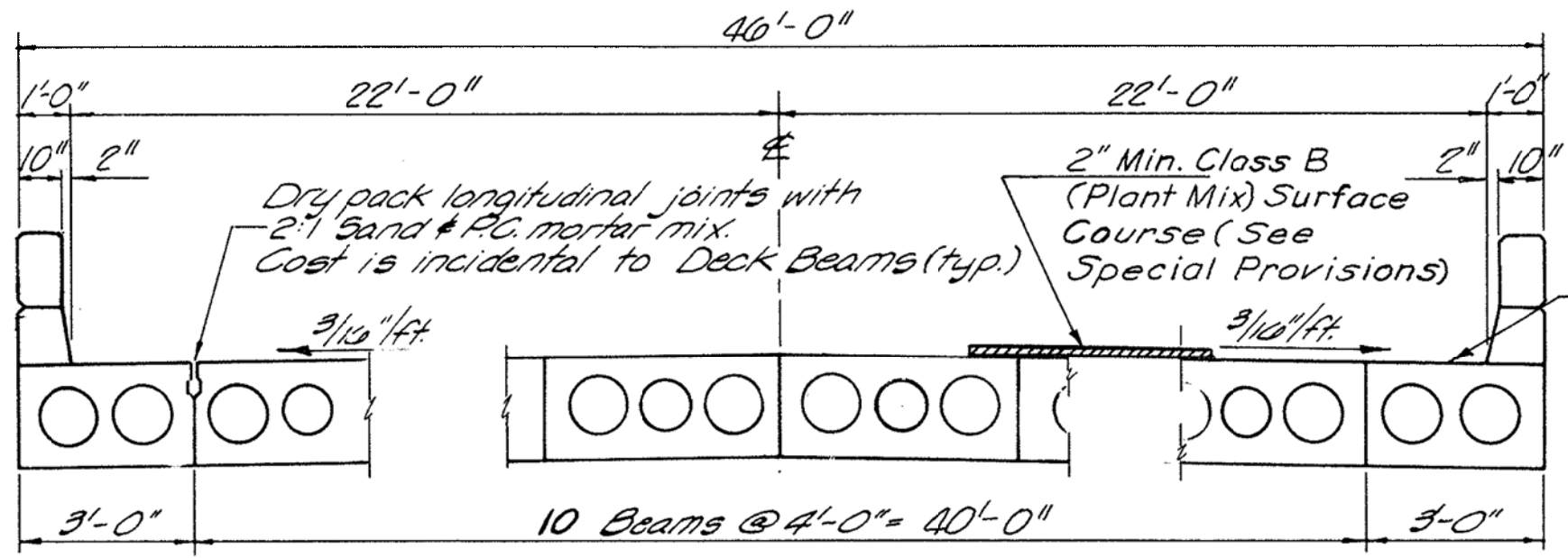
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURAL PLANS			
SCALE: N.T.S.	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.

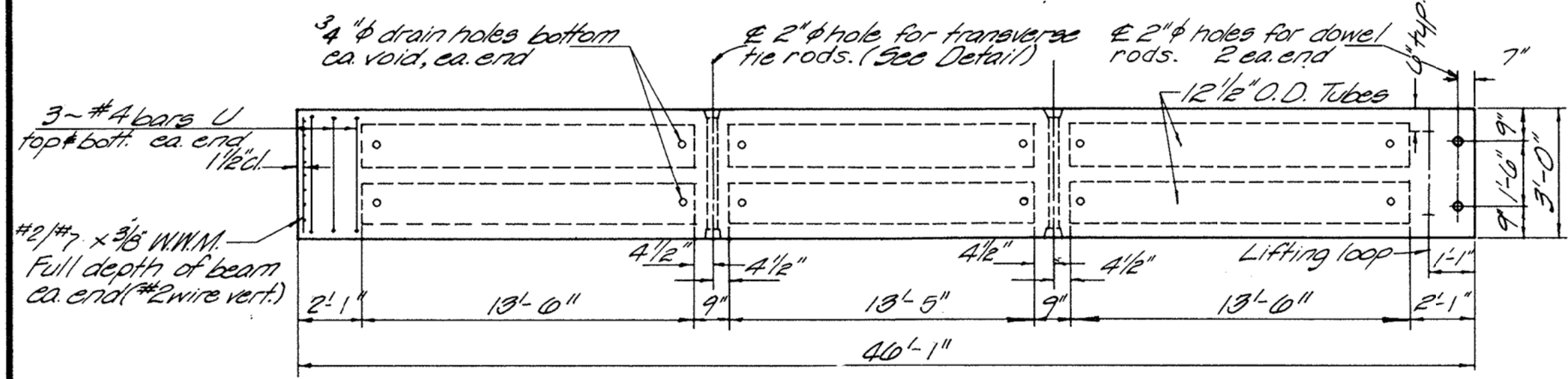
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	59
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
CH 224	10-0000	KANE	7	5

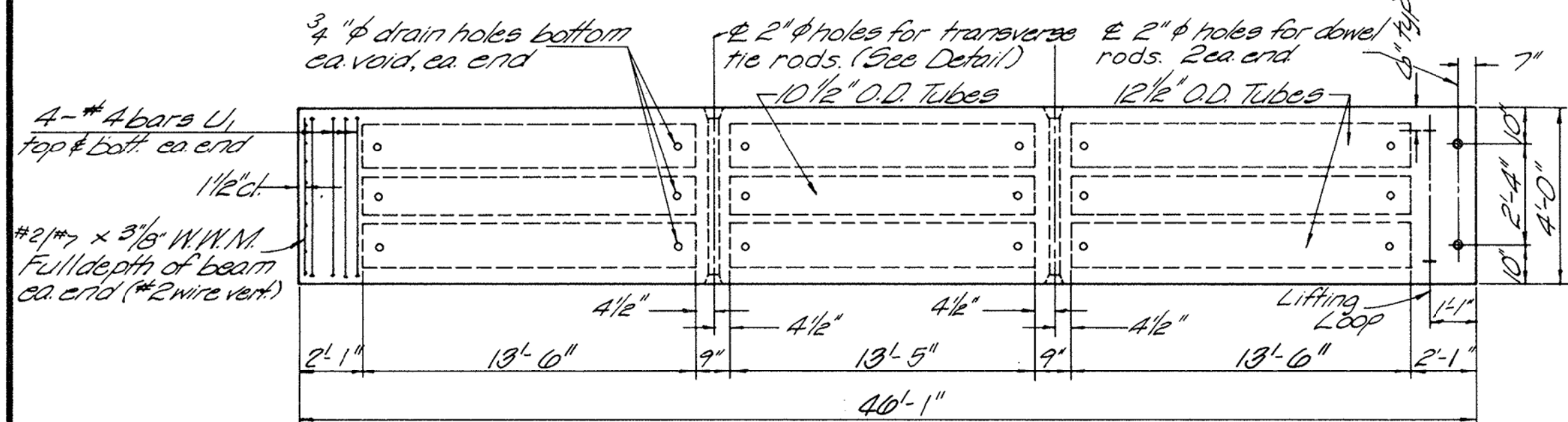
JERICHO ROAD



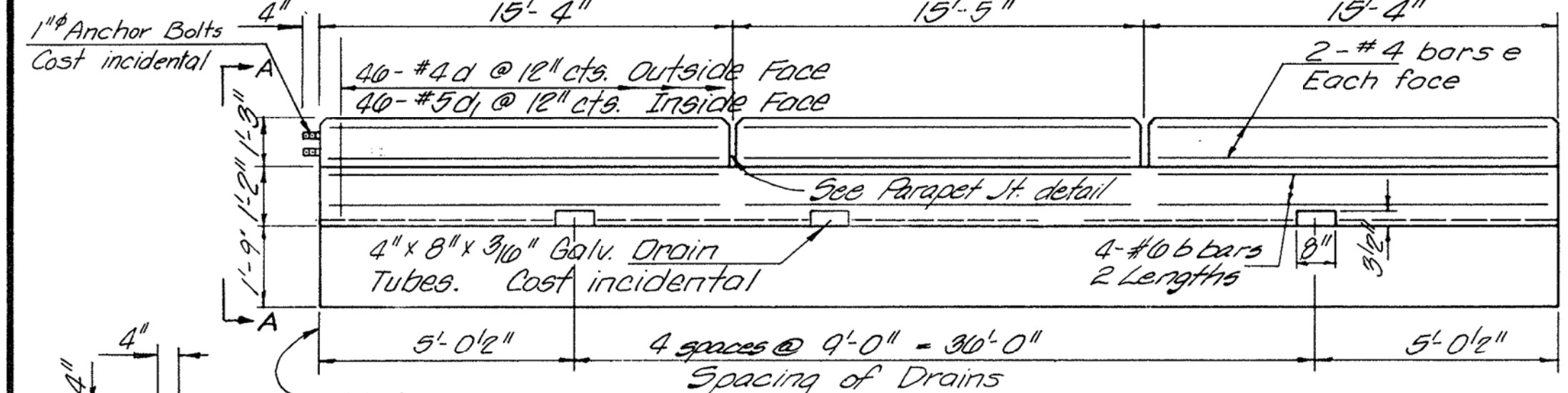
CROSS SECTION



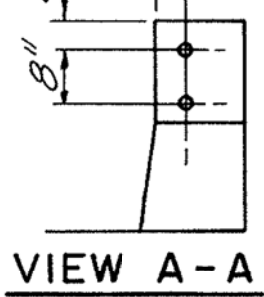
TYPICAL PLAN OF 3'-0" BEAMS



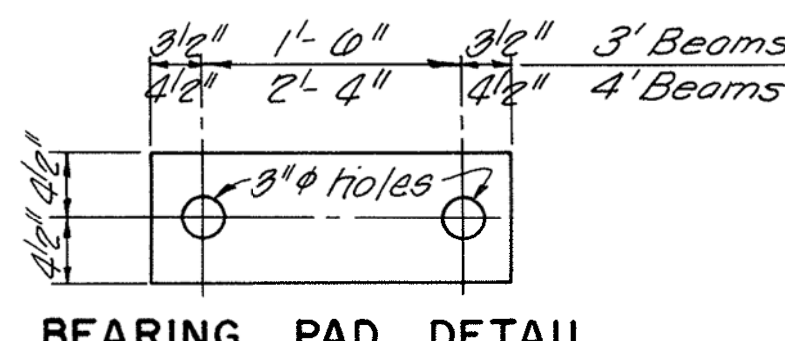
TYPICAL PLAN OF 4'-0" BEAMS



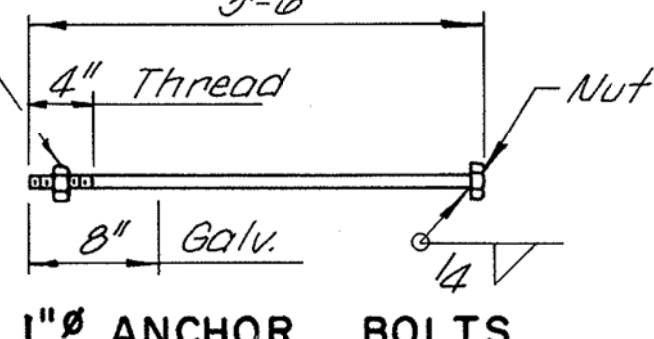
ELEVATION OF OUTSIDE BEAMS



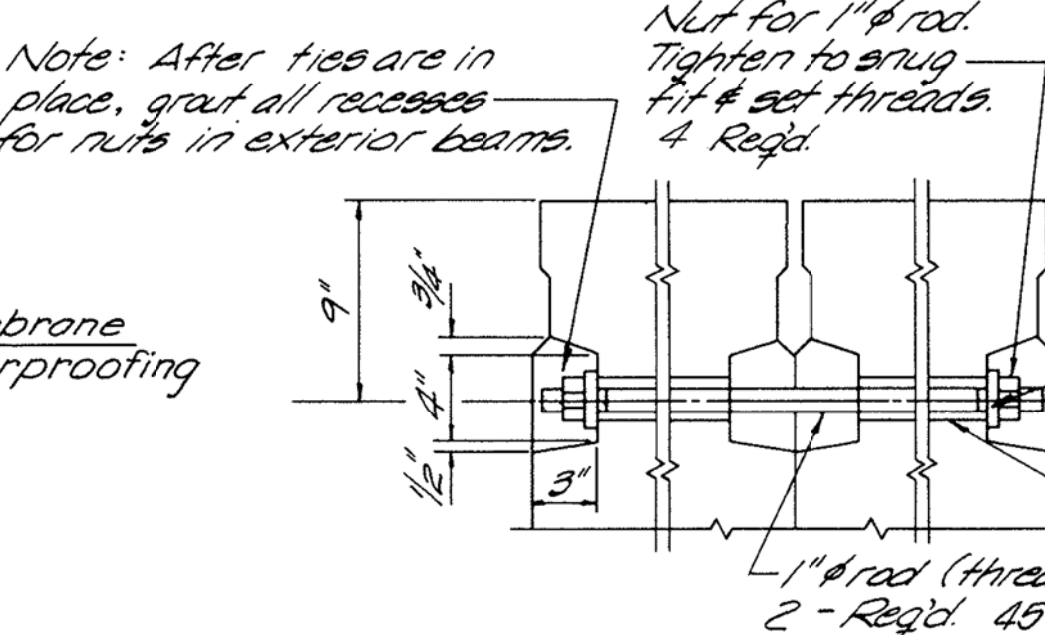
VIEW A-A



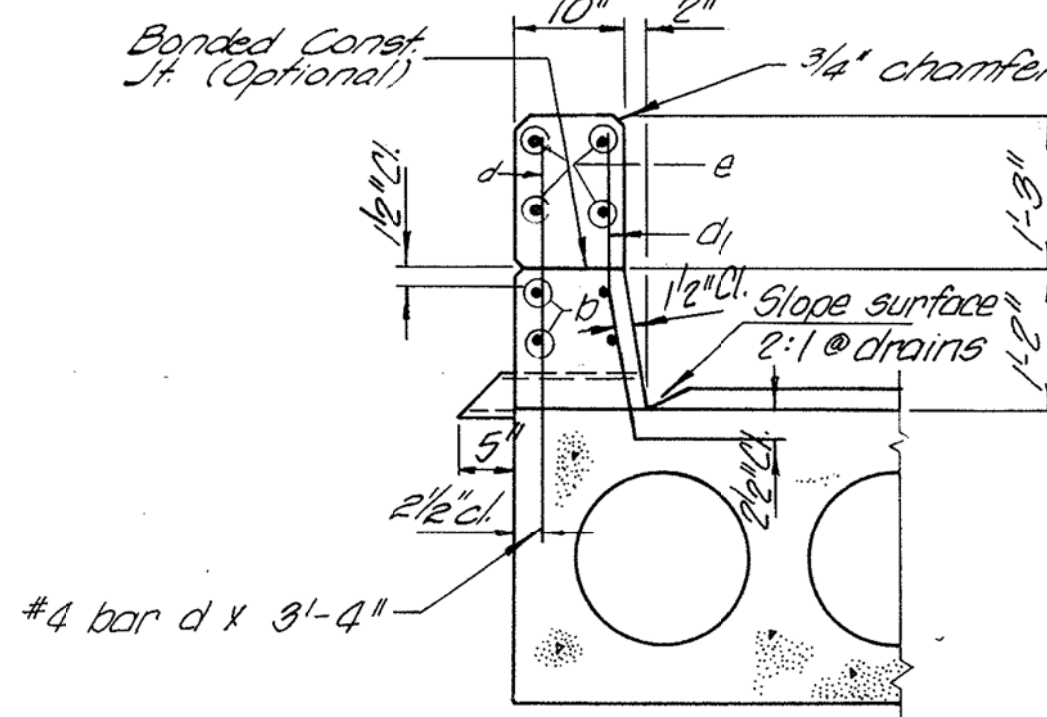
BEARING PAD DETAIL



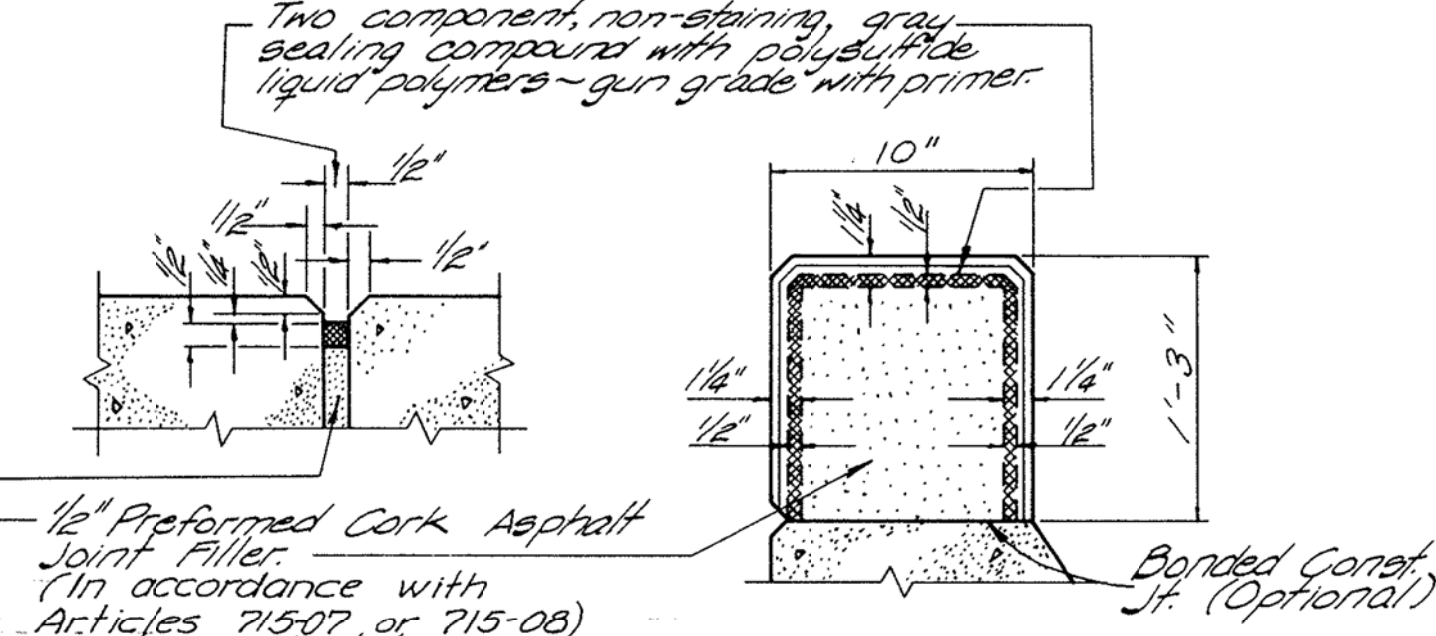
1" ANCHOR BOLTS



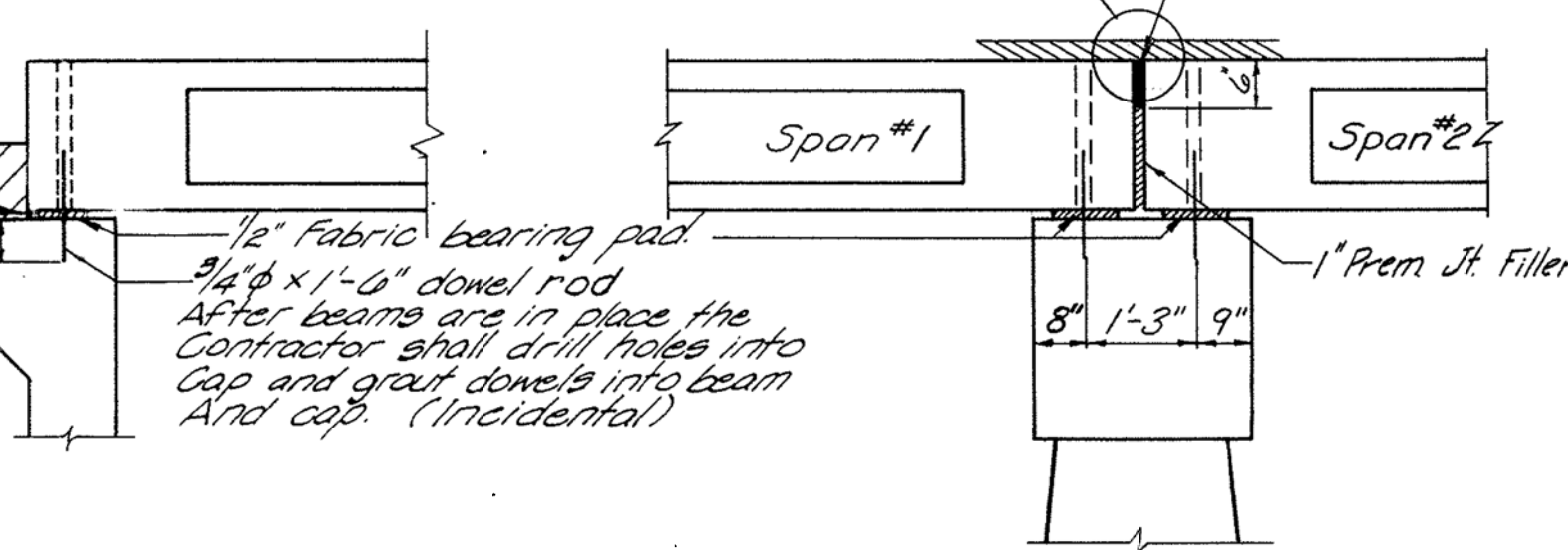
TRANSVERSE TIE ROD DETAIL



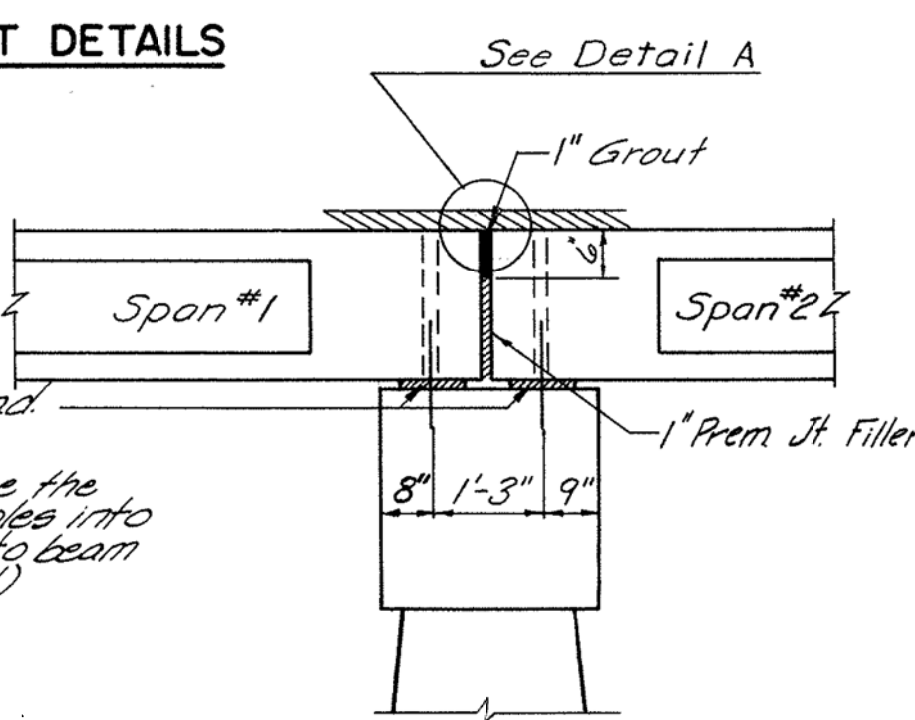
CURB & PARAPET DETAIL



PARAPET JOINT DETAILS

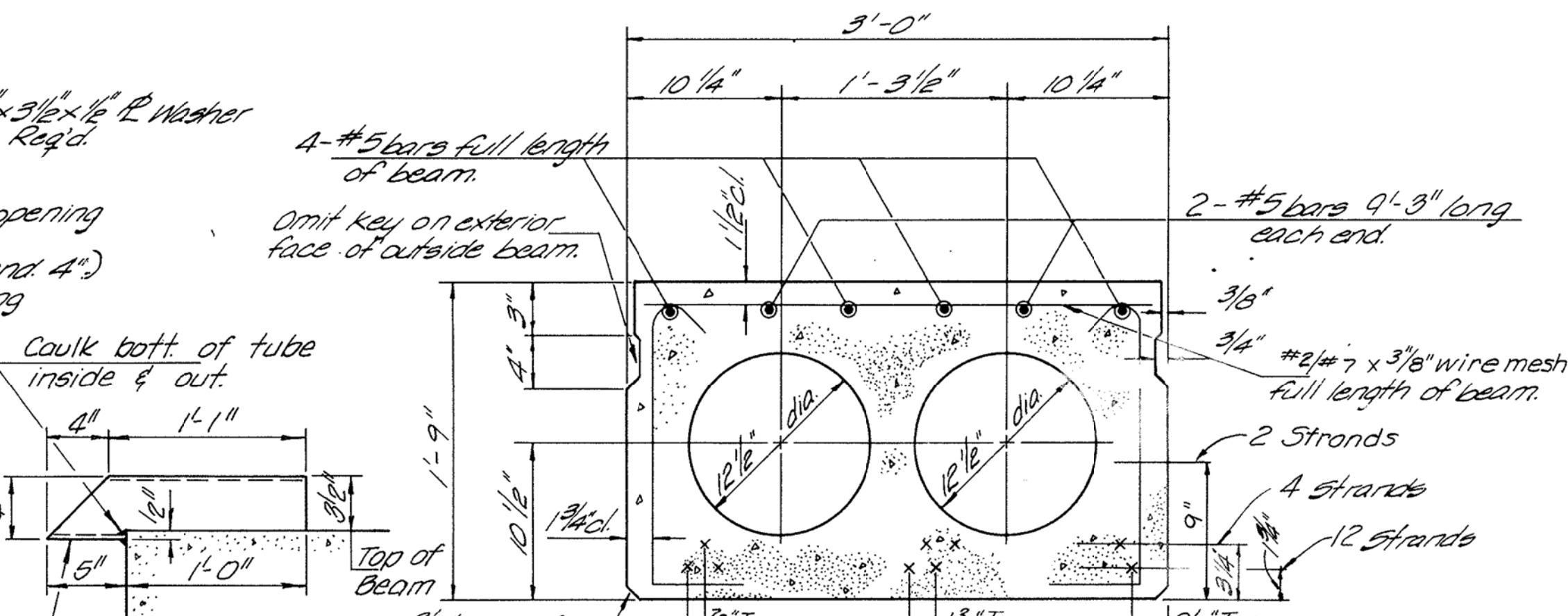


SECTION AT ABUTS.

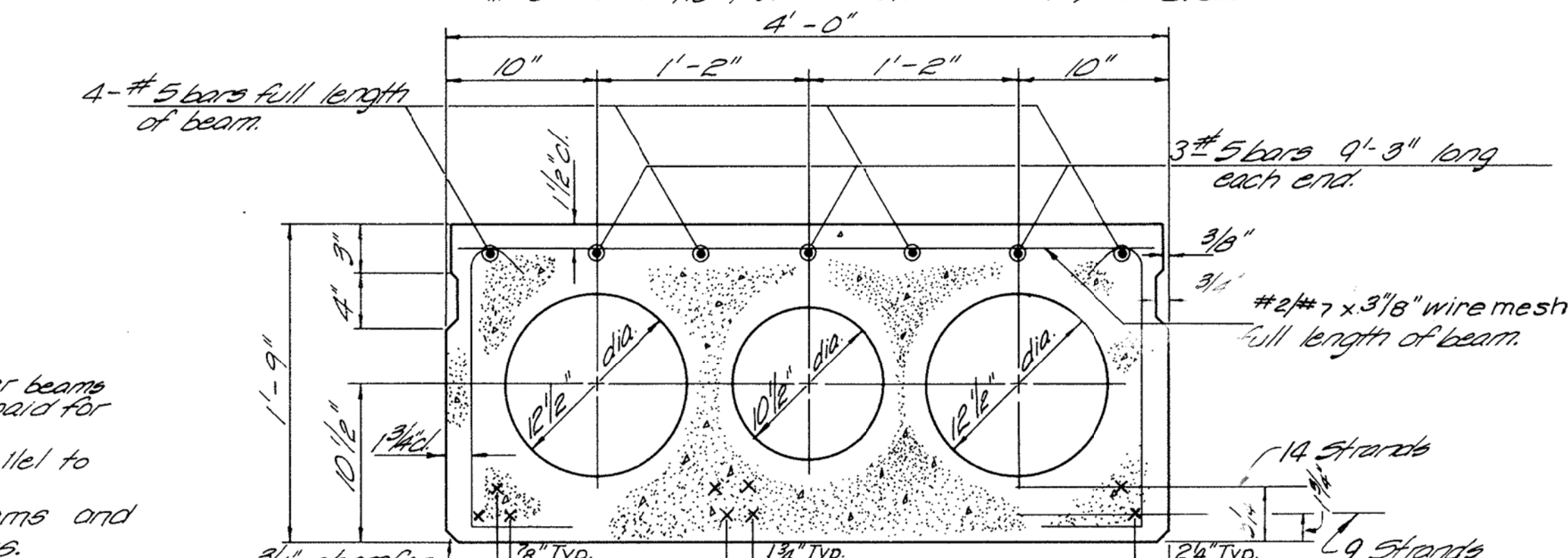


SECTION AT PIERS

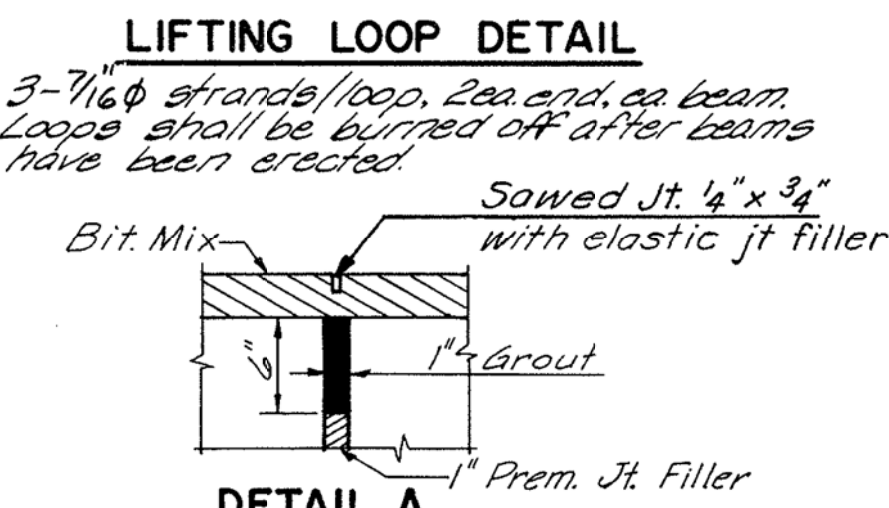
* Strands shall be non-galvanized extra high strength stress relieved. Place strands symmetrically about beam.



TYPICAL SECTION THRU 3'-0" BEAMS



TYPICAL SECTION THRU 4'-0" BEAMS



LIFTING LOOP DETAIL

DETAIL A

BAR U & U1

BAR d1

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
b	32	#6	29'-8"	
e	48	#4	15'-0"	
Precast Prestressed Concrete Deck Beams (21" Depth) 32 ft				
				4,240
Class X Concrete Cu. Yd				14.4
Reinforcement Bars Round				1,620
Bituminous Mixture Complete Tan				52
Waterproofing Membrane System				Sq. Yd 451

SUPERSTRUCTURE
SECTION 76-00092-01-BR
KANE COUNTY
STATION 175+35

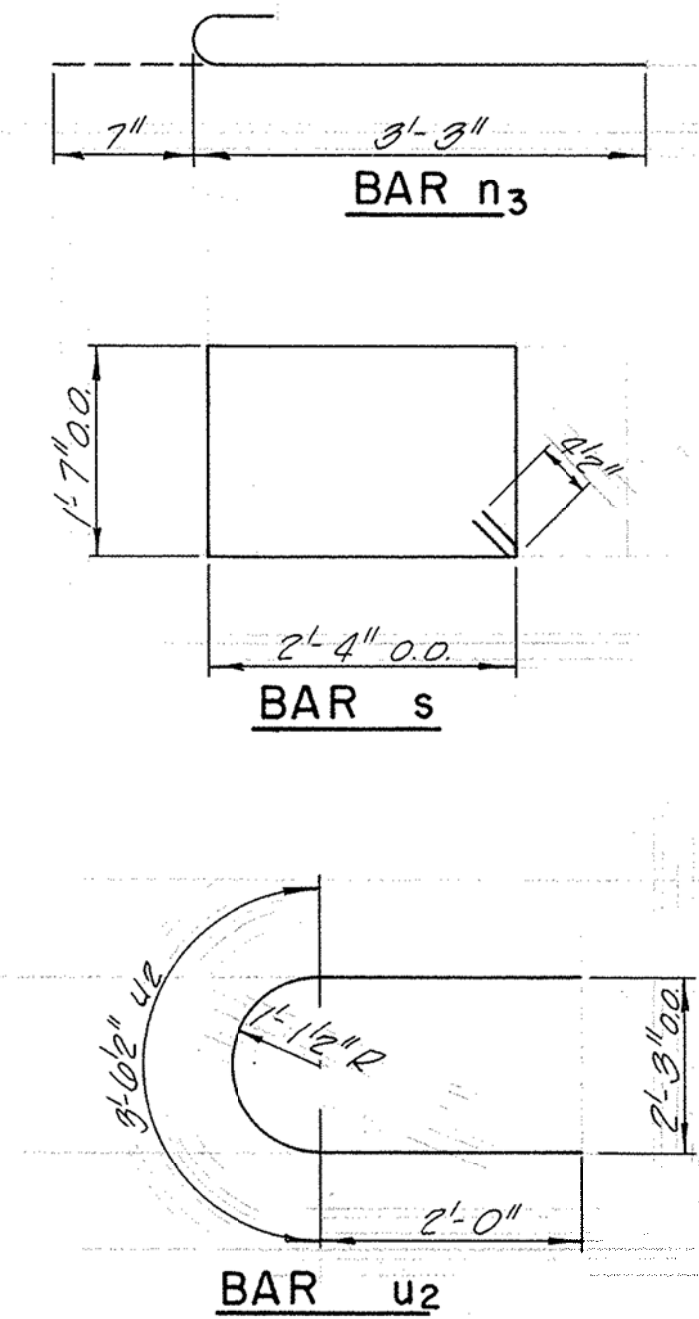
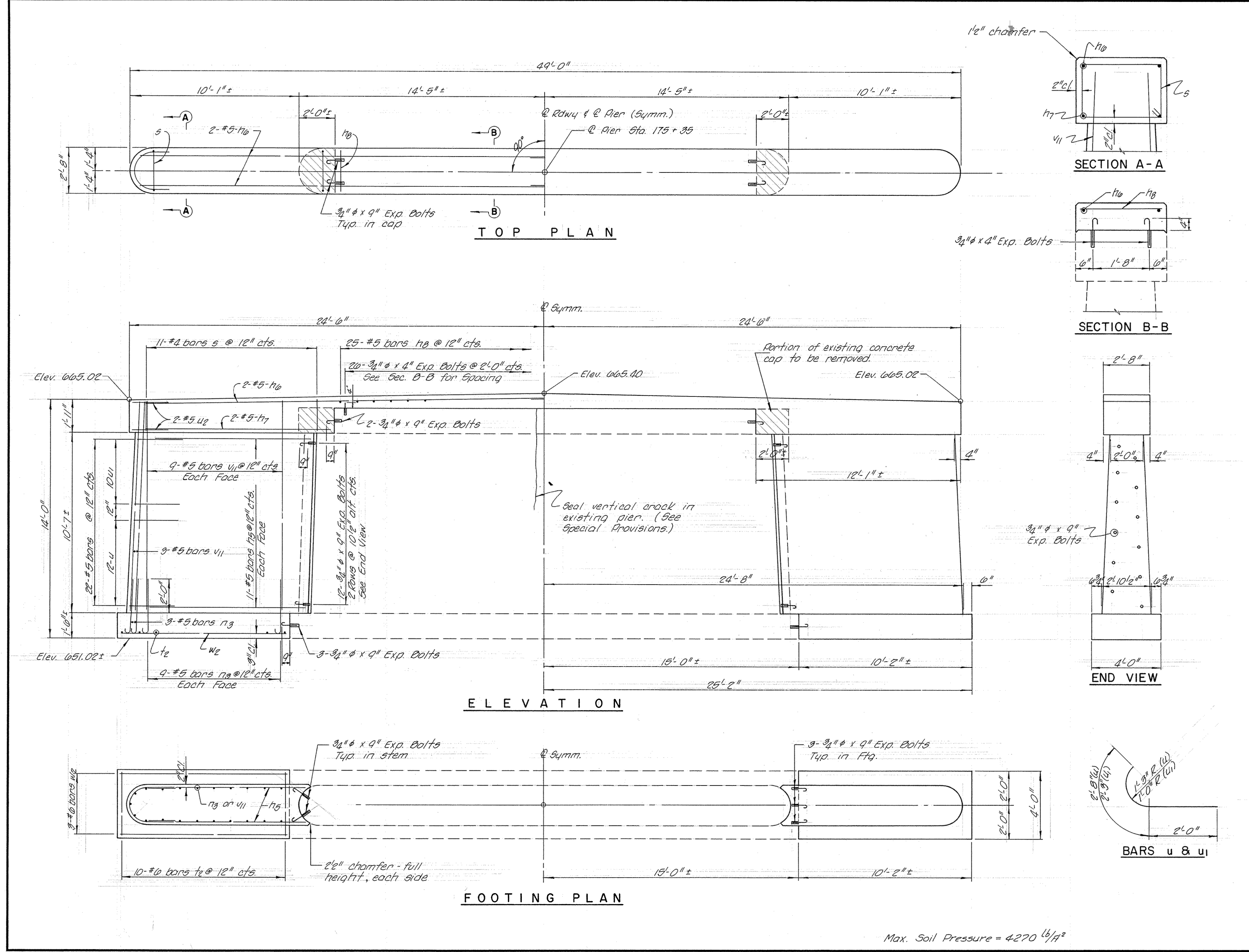
COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED R.E.G. CHECKED R.E.G. DATE 3-4-70 NO. 1017

FOR REFERENCE ONLY



PROJECT NO.	SHEET NO.	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 24	76-00092-01-02	KANE	7	7
ROAD DIST.				



BILL OF MATERIAL - PIER				
BAR	NO.	SIZE	LENGTH	SHAPE
n3	44	#5	9'-3"	—
n6	4	#5	24'-0"	—
n7	4	#5	10'-0"	—
n8	25	#5	2'-4"	—
n9	42	#5	3'-10"	—
s	22	#4	8'-7"	□
t2	20	#10	3'-8"	—
u	24	#5	4'-8"	—
u1	20	#5	4'-3"	—
u2	4	#5	7'-7"	—
v11	42	#5	12'-0"	—
w2	6	#10	9'-8"	—
Class X Concrete Cu. Yd. 30.2				
Reinforcement Bars Round 1,890				
Concrete Removal Cu. Yd. 0.5				
Expansion Bolts (3/4" x 9") Each 34				
Expansion Bolts (3/4" x 4") Each 20				
Structure Excavation Cu. Yd. 42				
Sealing Cocks Lin. Ft. 10				

PIER
SECTION 76-00092-01-BR
KANE COUNTY
STATION 175+35

COLLINS AND RICE
CONSULTING ENGINEERS

DESIGNED R.E.G. CHECKED R.E.G.
DATE 3-4-76

FILE NAME = W:\Projects\2011\102022 Jerricho\PI\Pier\Drawings\Sh1.dgn

WILLIS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparr15	DESIGNED -	REVISED -
PLOT SCALE = 1:20	DRAWN -	REVISED -
PLOT DATE = 7/9/2013	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURAL PLANS			
SCALE: N.T.S.	SHEET NO. 4	OF 4 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	61
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

FOR REFERENCE ONLY

SEEDING, CLASS 1	
LBS. / ACRE	COMMON NAME
100.000	KENTUCKY BLUEGRASS
60.000	PERENNIAL RYEGRASS
40.000	CREeping RED FESCUE
200.000	TOTAL WEIGHT OF SEEDS (LBS)

SEEDING, CLASS 2A	
LBS. / ACRE	COMMON NAME
70.000	TALL FESCUE (INFERNO, TARHEEL II, QUEST, BLADE RUNNER OR FALCON IV)
20.000	PERENNIAL RYEGRASS
20.000	RED FESCUE (AUDUBON, SEA LINK OR EPIC)
20.000	HARD FESCUE (RESCUE 911, SPARTAN II OR RELIANT IV)
70.000	FULTS SALT GRASS OR SALTLY ALKALIGRASS
200.000	TOTAL WEIGHT OF SEEDS (LBS)

SEEDING, CLASS 4				
LBS. / ACRE	SCIENTIFIC NAME	COMMON NAME	C - VALUE	IND. STATUS
4.000	ANDROPOGON GERARDII	BIG BLUESTEM	5	FAC-
5.000	ANDROPOGON SCOPARIUS	LITTLE BLUESTEM	5	FACU-
5.000	BOUTELOUA CURTIPENDULA	SIDE OATS	8	UPL
1.000	ELYMUS CANADENSIS	CANADA WILD RYE	4	FAC-
1.000	PANICUM VIRGATUM	SWITCH GRASS	5	FAC+
2.000	SORGHASTRUM NUTANS	INDIAN GRASS	5	FACU+
15.000	LOLIUM PRENNE	PERENNIAL RYEGRASS	0	FACU
33.000	TOTAL WEIGHT OF SEEDS (LBS)			
COVER CROP:				
25.000	LOLIUM MULTIFLORUM	ANNUAL RYEGRASS	0	UPL
25.000	AVENA SATIVA	OATS	0	UPL

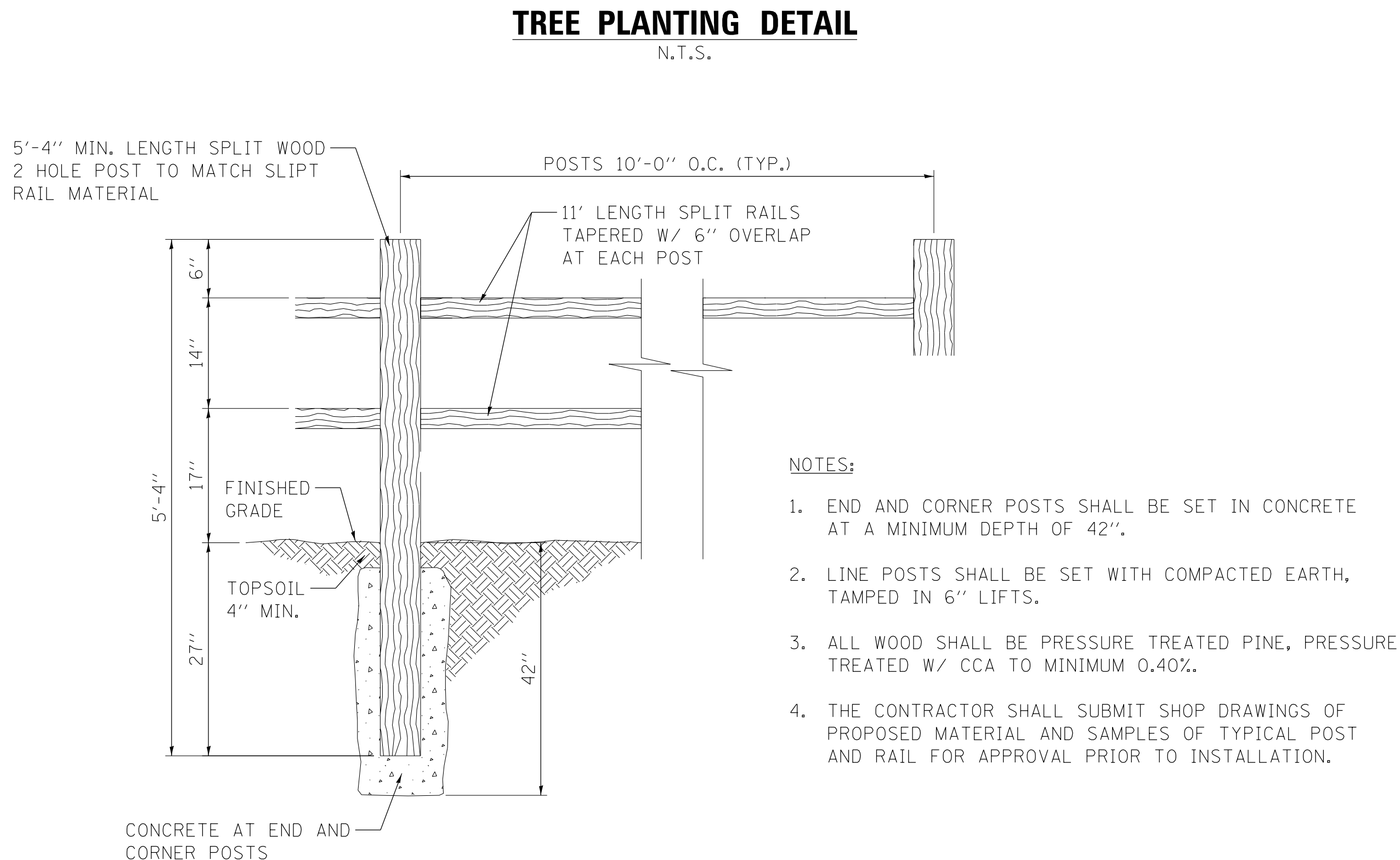
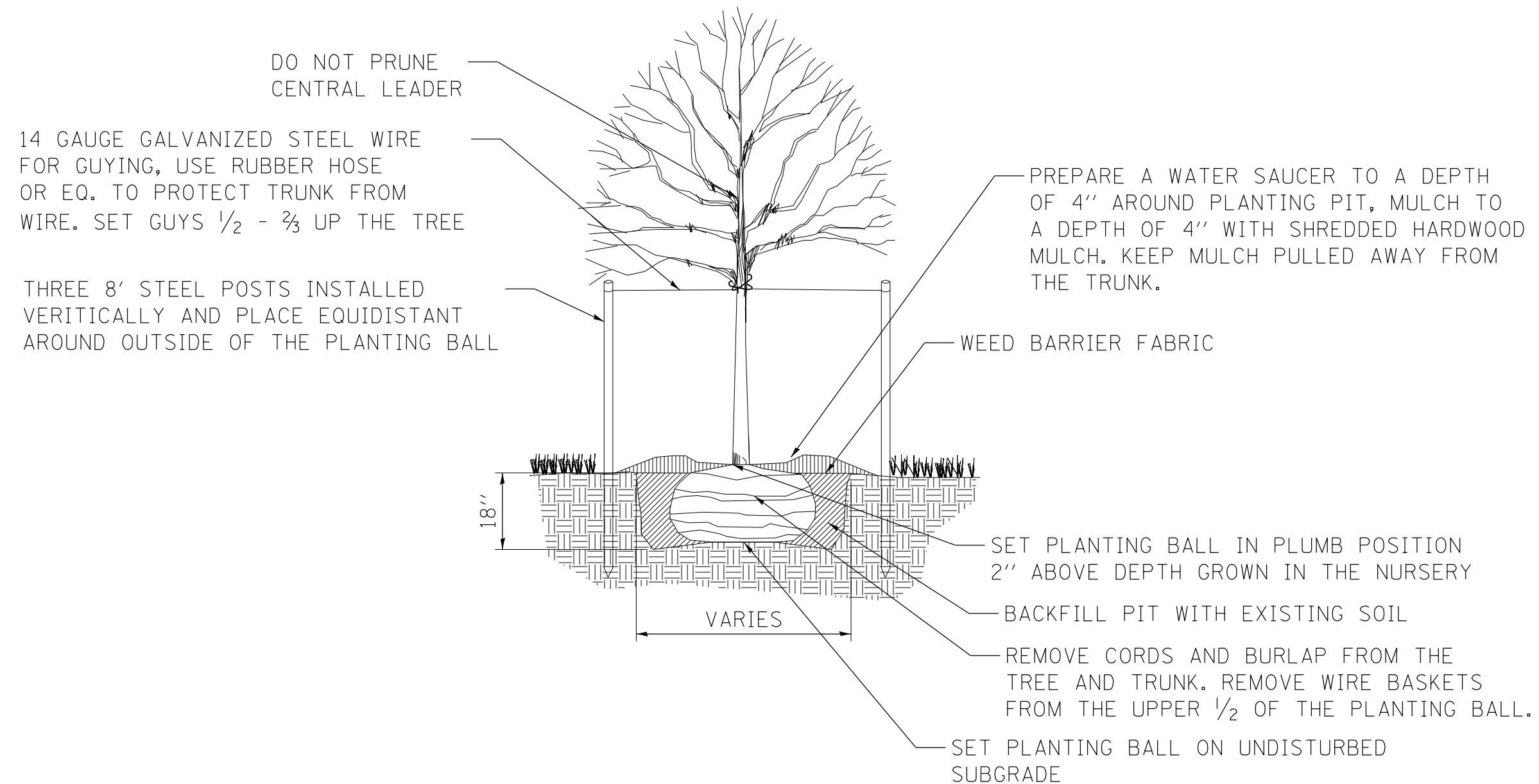
SEEDING, CLASS 5			
SCIENTIFIC NAME	COMMON NAME	C - VALUE	IND. STATUS
AMORPHA CANESCENS *	LEADPLANT	9	UPL
ANEMONE CYLINDRICA	THIMBLE WEED	6	UPL
ASCLEPIAS TUBEROSA	BUTTERFLY WEED	7	UPL
ASTER AZUREUS	SKY BLUE ASTER	8	UPL
ASTER LAEVIS	SMOOTH BLUE ASTER	9	UPL
ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	4	FACW
BAPTISIA LEUCANTHA *	WILD WHITE INDIGO	8	FACU+
COREOPSIS PALMATA	PRAIRIE COREOPSIS	6	UPL
ECHINACEA PALLIDA	PALE PURPLE CONEFLOWER	8	UPL
ERYNGIUM YUCCIFOLIUM	RATTLESNAKE MASTER	9	FAC+
HELIANTHUS MOLLIS	DOWNY SUNFLOWER	9	UPL
HELIOPSIS HELIANTHOIDES	OX-EYE SUNFLOWER	5	UPL
LIATRIS ASPERA	BUTTON BLAZING STAR	6	UPL
LIATRIS PYCNOSTACHYA	PRAIRIE BLAZING STAR	8	FAC-
MONARDA FISTULOSA	BERGAMOT	4	FACU
PARTHENIUM INTEGRIFOLIUM	WILD QUININE	8	UPL
PETAL OSTEMUM CANDIDUM *	WHITE PRAIRIE CLOVER	9	UPL
PETALOSTEMUM PURPUREUM *	PURPLE PRAIRIE CLOVER	9	UPL
PHYSOSTEGIA VIRGINIANA	FASE DRAGONHEAD	6	OBL
POTENTILLA ARGUTA	PRAIRIE CINQUEFOIL	9	FACU-
RATIBIDA PINNATA	YELLOW CONEFLOWER	4	UPL
RUDEBECKIA SUBTOMENTOSA	SWEET CONEFLOWER	9	FACU+
SILPHIUM LACINIATUM	COMPASS PLANT	5	UPL
SILPHIUM TEREBINTHINACEUM	PRAIRIE DOCK	5	FACU
SOLIDAGO RIGIDA	STIFF GOLDENROD	4	FACW-
TRADESCANTIA OHIENSIS	SPIDERWORT	2	FACU+
VERONICASTRUM VIRGINICUM	CULVER'S ROOT	7	FAC
TOTAL WEIGHT OF SEEDS = 10.000 LBS./ACRE			
MIXTURE NOT EXCEEDING 5% BY WEIGHT PLS. OF ANY ONE SPECIES			
* INNOCULATION REQUIRED			

SEEDING, CLASS 4A				
LBS. / ACRE	SCIENTIFIC NAME	COMMON NAME	C - VALUE	IND. STATUS
5.000	ANDROPOGON SCOPARIUS	LITTLE BLUESTEM	5	FACU-
5.000	BOUTELOUA CURTIPENDULA	SIDE OATS	8	UPL
1.000	ELYMUS CANADENSIS	CANADA WILD RYE	4	FAC-
0.500	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	7	UPL
15.000	LOLIUM PRENNE	PERENNIAL RYEGRASS	0	FACU
26.500	TOTAL WEIGHT OF SEEDS (LBS)			
COVER CROP:				
10.000	LOLIUM MULTIFLORUM	ANNUAL RYEGRASS	0	UPL
32.000	AVENA SATIVA	OATS	0	UPL

SEEDING, CLASS 4 MODIFIED (SHADED STREAMBANK)				
LBS/ACRE	SCIENTIFIC NAME	COMMON NAME	C-VALUE	IND. STATUS
1.000	BROMUS LATIGLUMIS	EAR-LEAFED BROME	5	FACW-
0.250	CAREX LUPULIFORMIS	KNOBBED HOP SEDGE	10	OBL
0.250	CAREX NORMALIS	NORMAL SEDGE	5	FAC
0.250	CAREX PROJECTA	NECKLACE SEDGE	4	FACW+
5.000	ELYMUS CANADENSIS	NODDING WILD RYE	4	FACW-
5.000	ELYMUS RIPARIUS	RIVERBANK WILD RYE	5	FAC-
5.000	ELYMUS VILLOUS	SILKY WILD RYE	5	FACU
8.000	ELYMUS VIRGINICUS	VIRGINIA WILD RYE	4	FACW-
1.000	GLYCERIA STRIATA	FOWL MANNA GRASS	4	FACW
0.250	JUNCUS SPP.	RUSH SPECIES		
10.000	POA PALUSTRIS	MARSH BLUE GRASS	9	FACW+
10.000	POA TRIVIALIS	ROUGH BLUE GRASS	--	FACW
46.000	TOTAL WEIGHT OF SEEDS (LBS)			
COVER CROP:				
5.000	AGROSTIS ALBA	RED TOP GRASS	0	FACW
2.000	AVENA SATIVA	OATS	0	UPL

SEEDING, CLASS 5B		
LBS/ACRE	SCIENTIFIC NAME	COMMON NAME
0.060	ACORUS CALAMUS	SWEET FLAG
0.120	ANGELICA ATROPURPUREA	ANGELICA
0.040	ASCELEPIA INCARNATA	SWAMP MILKWEED
0.200	ASTER PUNICEUS	PURPLE STEMMED ASTER
0.140	BIDENS CERNUA	BEGGARS TICKS
0.140	EUPATORIUM MACULATUM	SPOTTED JOE PYE WEED
0.140	EUPATORIUM PERFOLIATUM	BONESET
0.040	HELENIUM AUTUMNALE	SNEEZEWEED
0.040	IRIS VIRGINICA SHREVEI	BLUE FLAG IRIS
0.100	LOBELIA CARDINALIS	CARDINAL FLOWER
0.100	LOBELIA SIPHILITICA	BLUE LOBELIA
0.040	LYTHRUM ALATUM	WINGED LOOSESTRIFE
0.100	PHYSOSTEGIA VIRGINIANA	FALSE DRAGONHEAD
0.200	POLYGONUM PENSILVANICUM	PENNSYLVANIA SMARTWEED
0.200	POLYGONUM LAPATHIFOLIUM	CURLYTOP SMARTWEED
0.100	PYCHANthemum VIRGINIANUM	MOUNTAIN MINT
0.100	RUDBECKIA LACINIATA	CUT-LEAF CONEFLOWER
0.040	SOLIDAGO RIDDELLII	RIDDELL GOLDENROD
0.100	SPARGANIUM EURYCARPUM	GIANT BURREED
2.000	TOTAL WEIGHT OF SEEDS (LBS)	

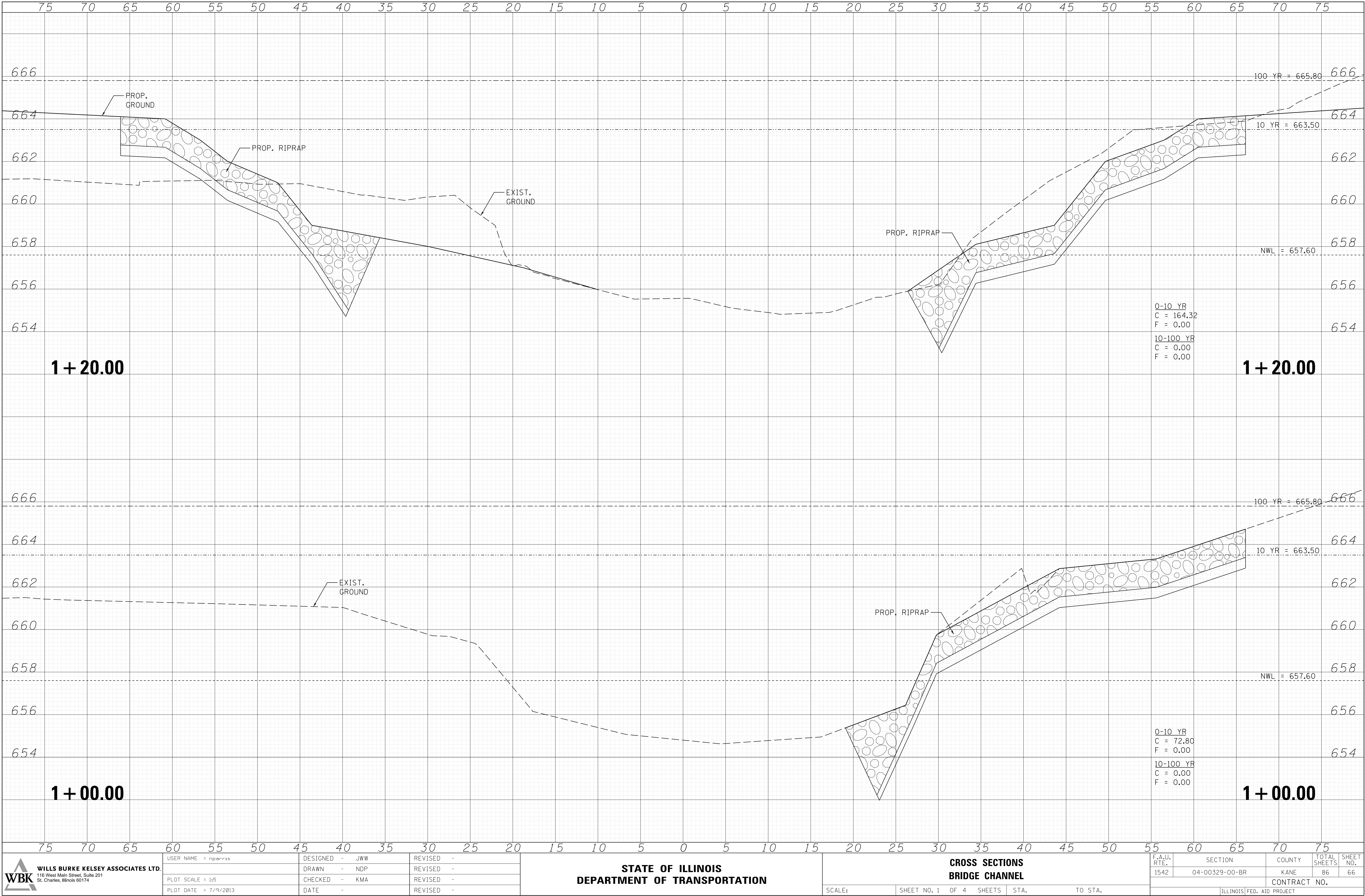
PLANTING WOODY PLANTS					
Quantity	Code	Scientific Name	Common Name	Size	Type
2.000	QA	QUERCUS ALBA	WHITE OAK	2-1/2" CALIPER	BALLED AND BURLAPPED
2.000	AS	ACER SACCHARUM	SUGAR MAPLE	3" CALIPER	BALLED AND BURLAPPED
2.000	AG	AMELANCHIER X GRANDIFLORA	APPLE SERVICEBERRY	7' HEIGHT	BALLED AND BURLAPPED
1.000	MP	MALUS 'PRAIRIFIRE'	PRAIRIFIRE CRABAPPLE	8' HEIGHT	BALLED AND BURLAPPED
2.000	OV	OSTRYA VIRGINIANA	AMERICAN HOPHORNBEAM	8' HEIGHT	BALLED AND BURLAPPED
2.000	GD	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	4" CALIPER	BALLED AND BURLAPPED
2.000	QM	QUERCUS MACROCARPA	BUR OAK	3" CALIPER	BALLED AND BURLAPPED
13.000	TOTAL WOODY PLANTS				



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	BY			
	SURVEYED			
	PLOTTED			
		TEMPLATE		
		AREAS		CHECKED

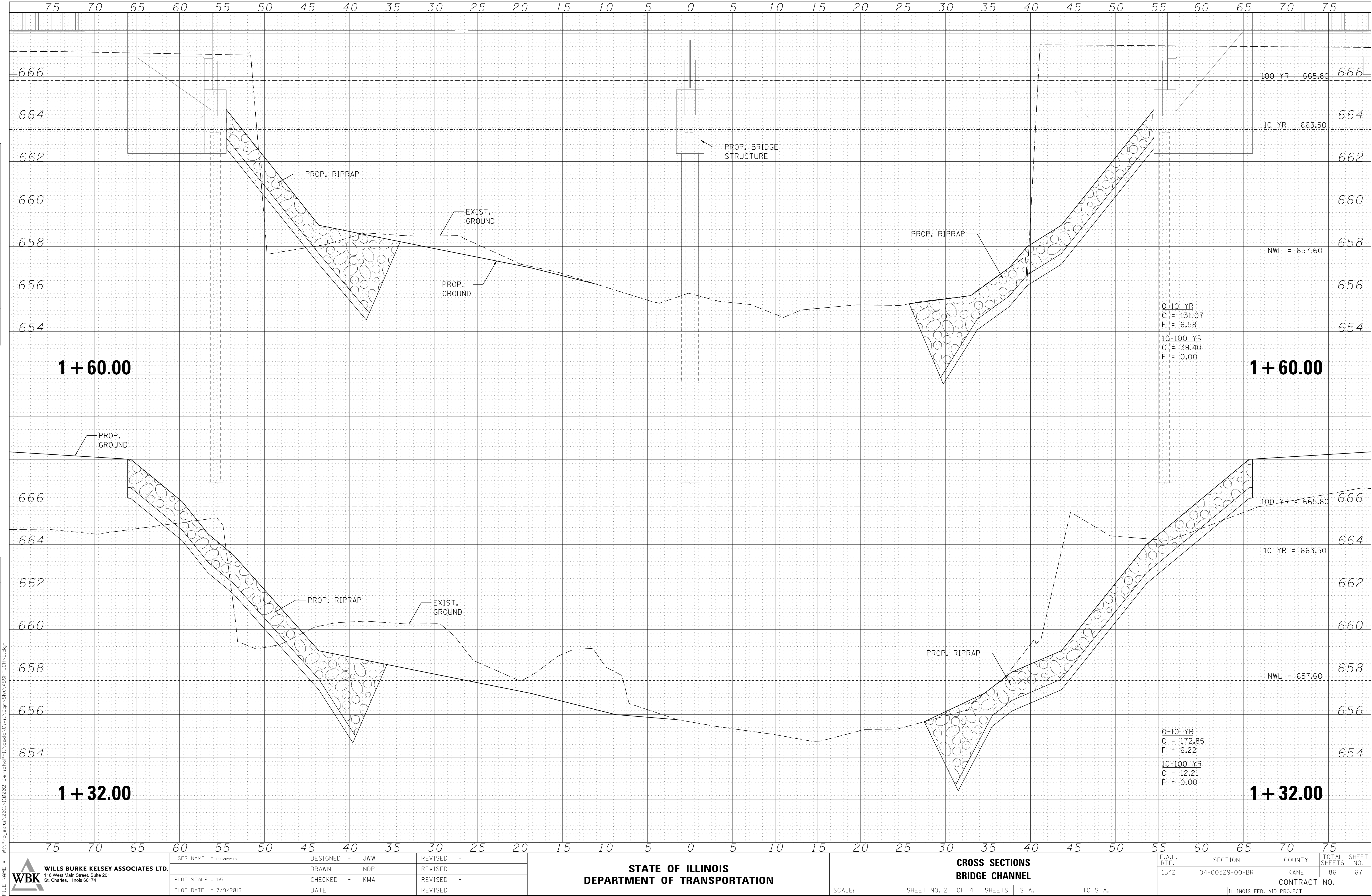
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ORIGINAL SURVEY NOTE BOOK NO.	DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS	CHECKED





WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris
PLOT SCALE = 1:5
PLOT DATE = 7/9/2013

DESIGNED - JWW
DRAWN - NDP
CHECKED - KMA
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

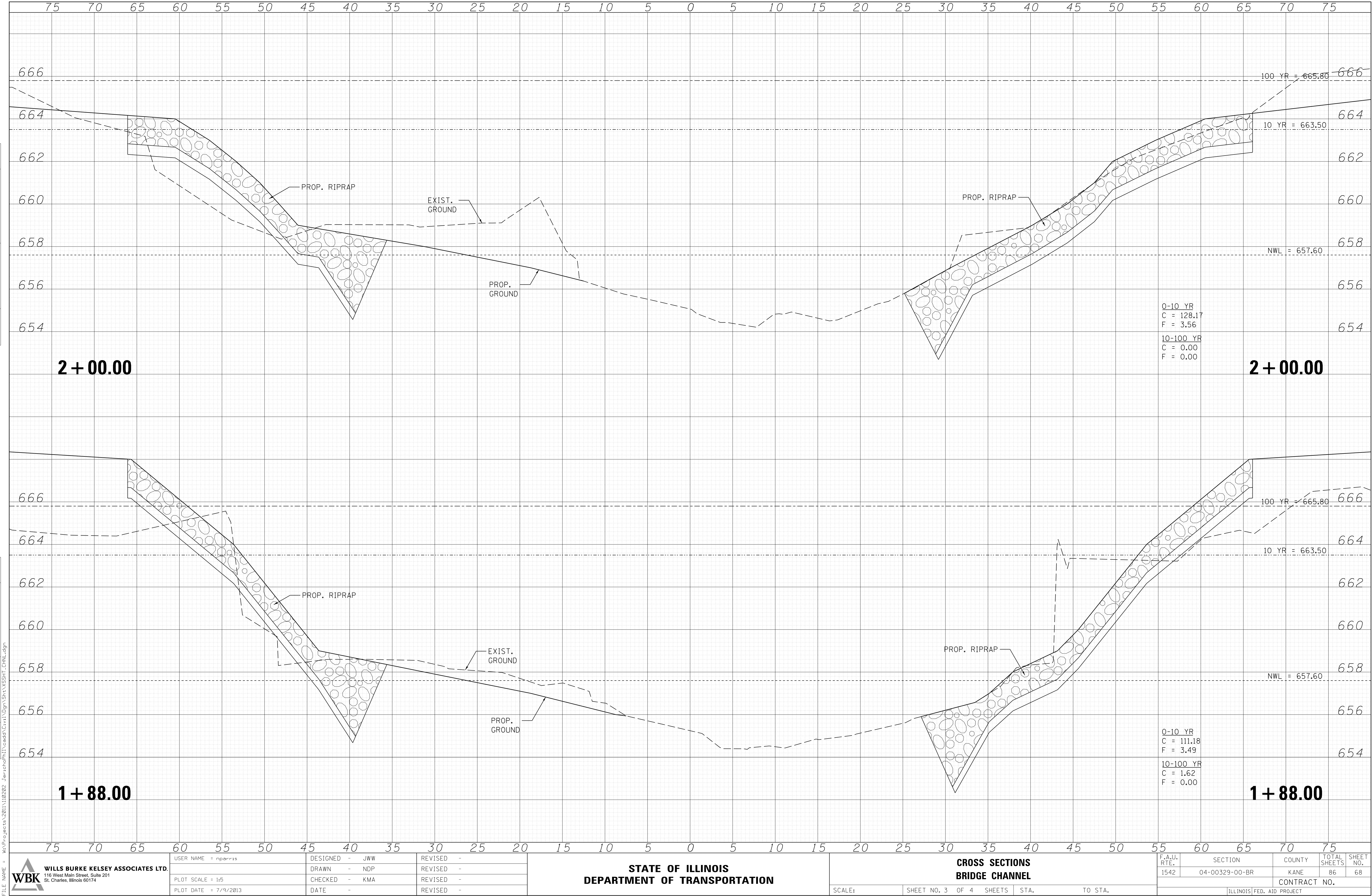
**CROSS SECTIONS
BRIDGE CHANNEL**

SCALE: SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	67
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

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



WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparriss
PLOT SCALE = 1:5
PLOT DATE = 7/9/2013

DESIGNED - JWW
DRAWN - NDP
CHECKED - KMA
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

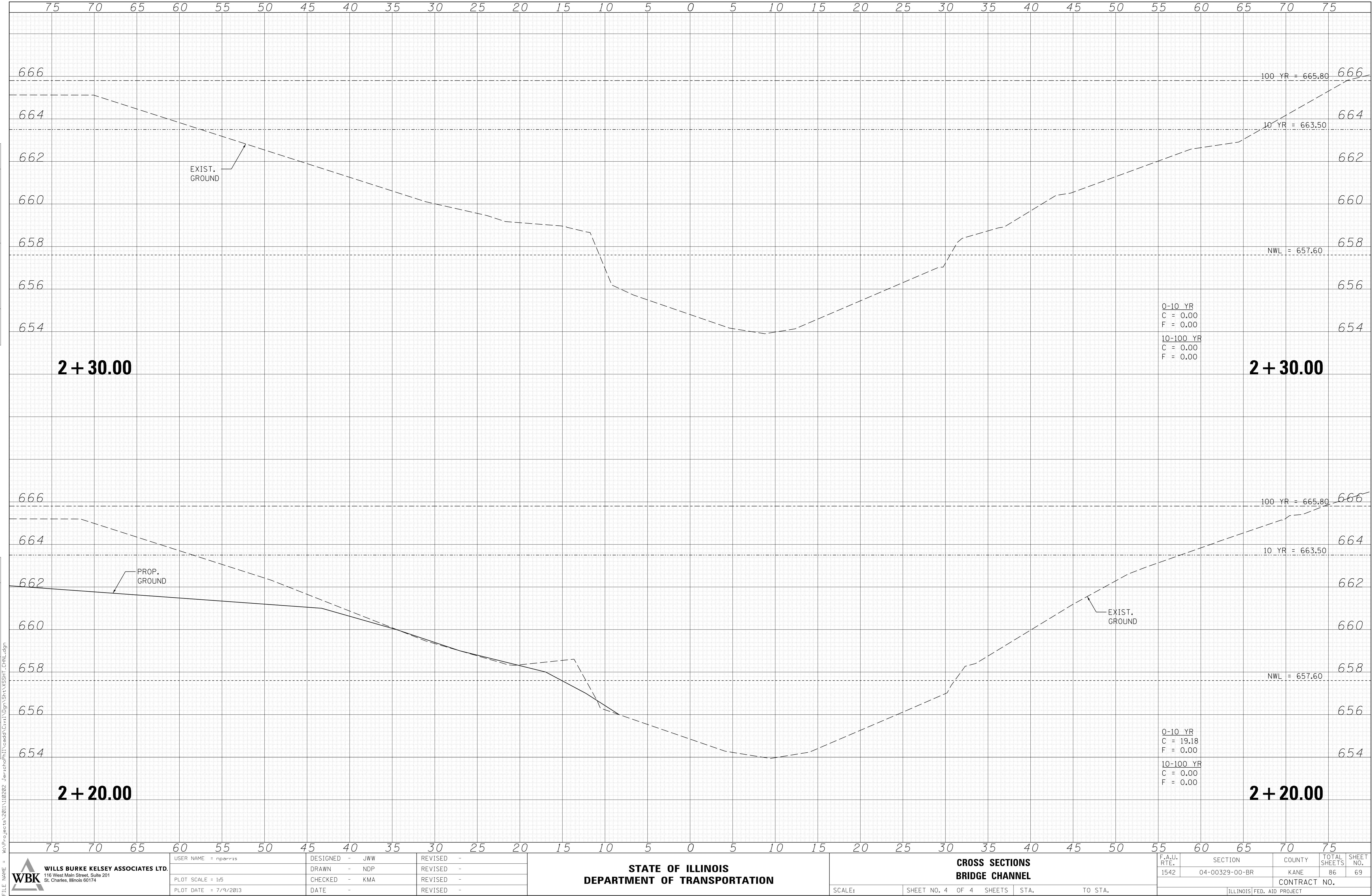
**CROSS SECTIONS
BRIDGE CHANNEL**

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	68
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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

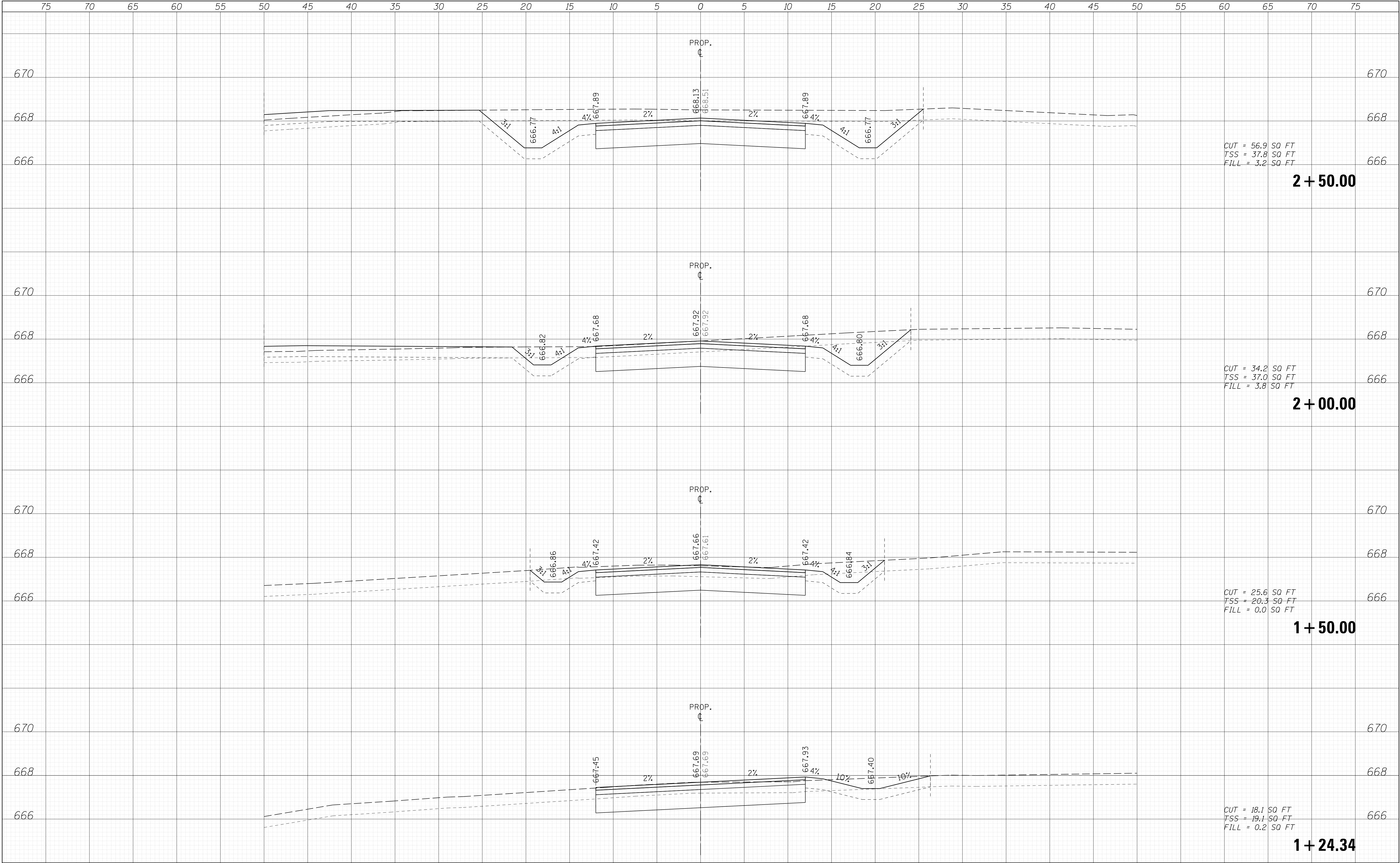
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FINAL SURVEY NOTE BOOK NO. _____	SURVEYED _____		BY _____	DATE _____
	PLOTTED _____			
	TEMPLATE _____			
	AREAS _____ AREAS CHECKED _____			

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

FILE NAME = ka\Projects\2011\10202 JerichoPark\road\Cross\Sta\YSSH.FVPD.dgn

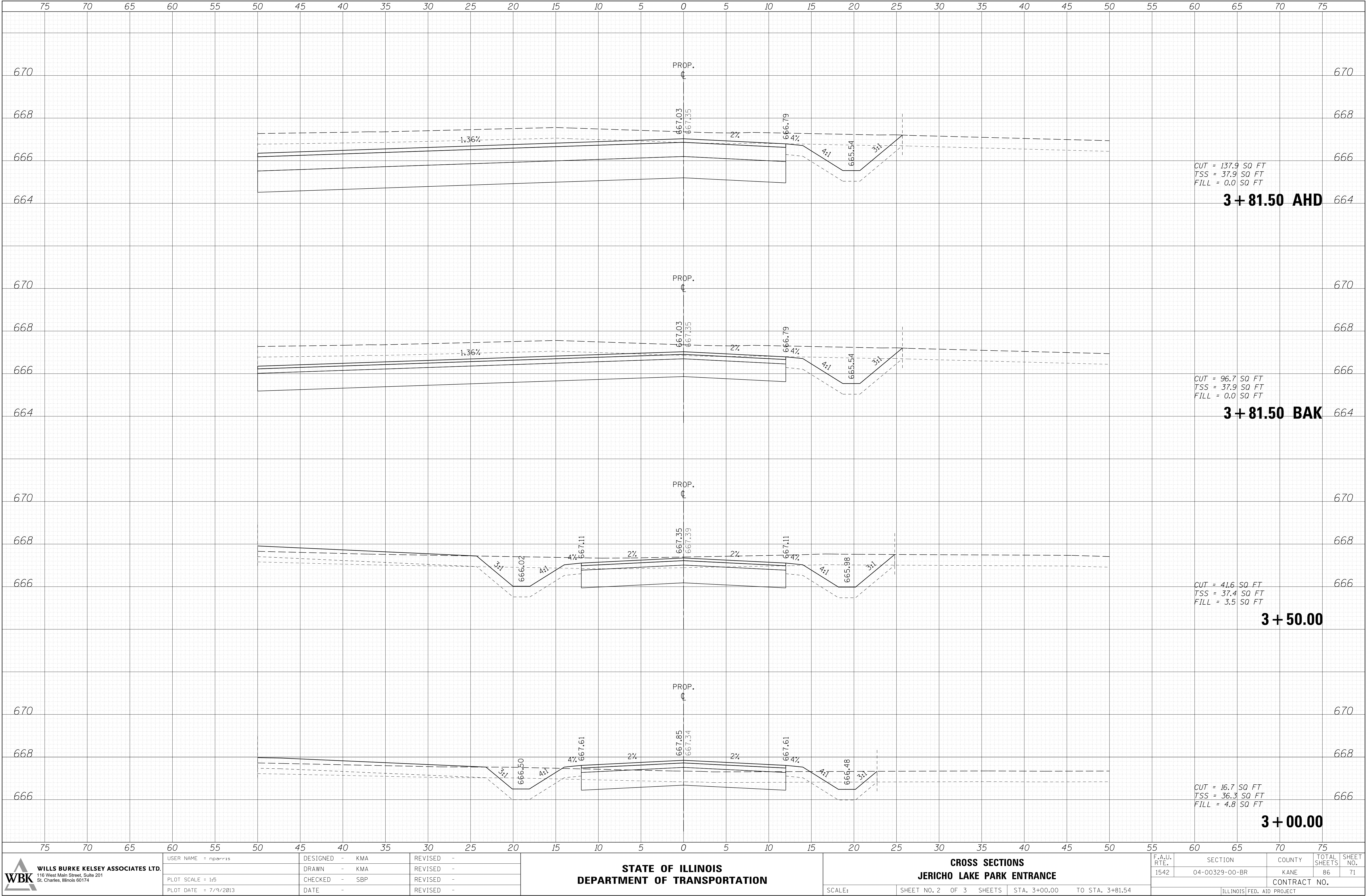


75		70		65		60		55		50		45		40		35		30		25		20		15		10		5		0		5		10		15		20		25		30		35		40		45		50		55		60		65		70		75											
<div><div><div></div></div><div>WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174</div></div>		USER NAME = nparris						DESIGNED - KMA						REVISED -						STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION																				CROSS SECTIONS JERICHO LAKE PARK ENTRANCE										F.A.U. RTE.		SECTION				COUNTY		TOTAL SHEETS		SHEET NO.											
		PLOT SCALE = 1:5						DRAWN - KMA						REVISED -																																				1542		04-00329-00-BR				KANE		86		70											
		PLOT DATE = 7/9/2013						CHECKED - SBP						REVISED -																										SCALE:										SHEET NO. 1 OF 3 SHEETS				STA. 1+24.34 TO STA. 2+50.00										CONTRACT NO.							
								DATE -						REVISED -																																																									

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

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

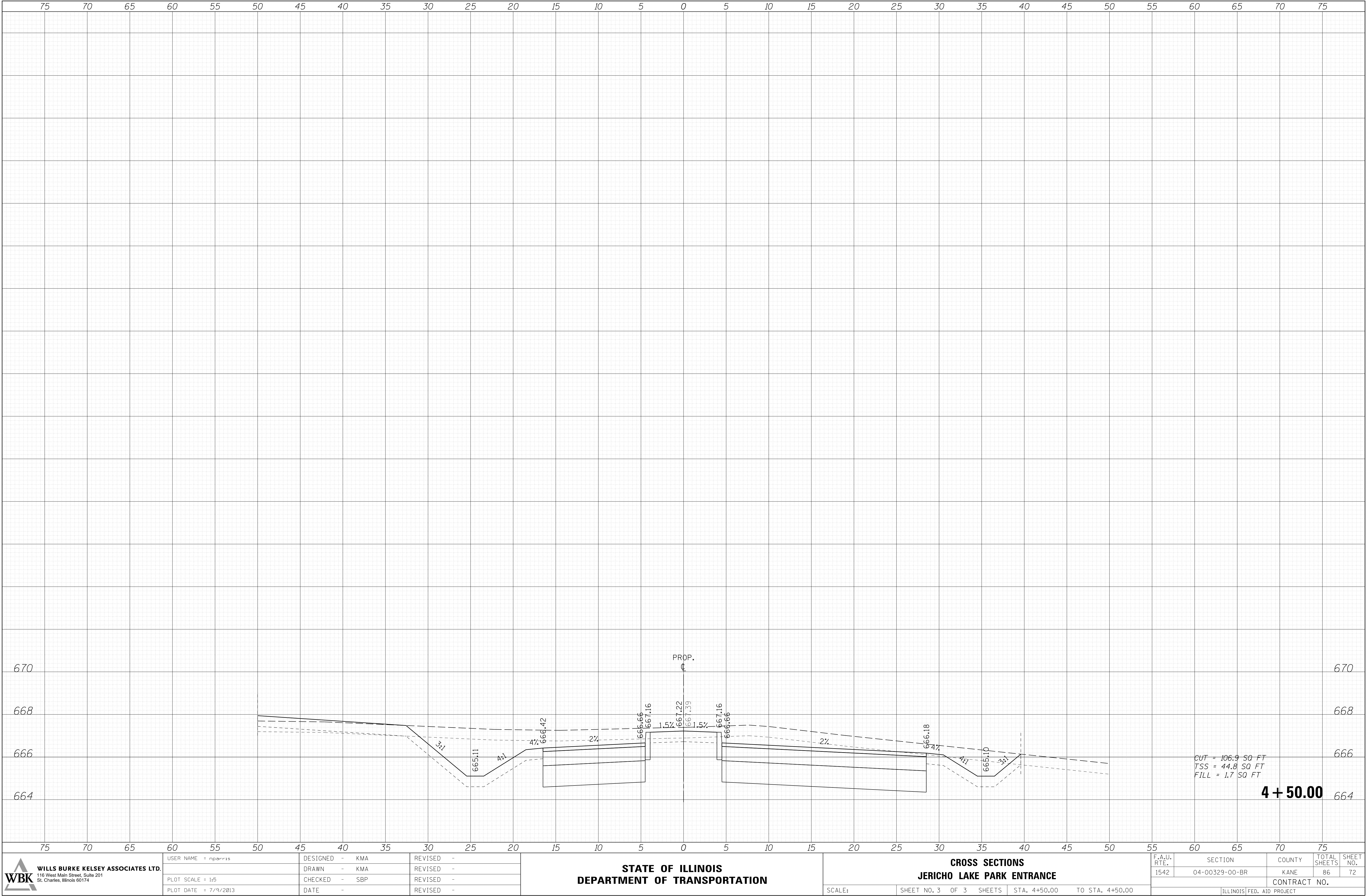
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FINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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

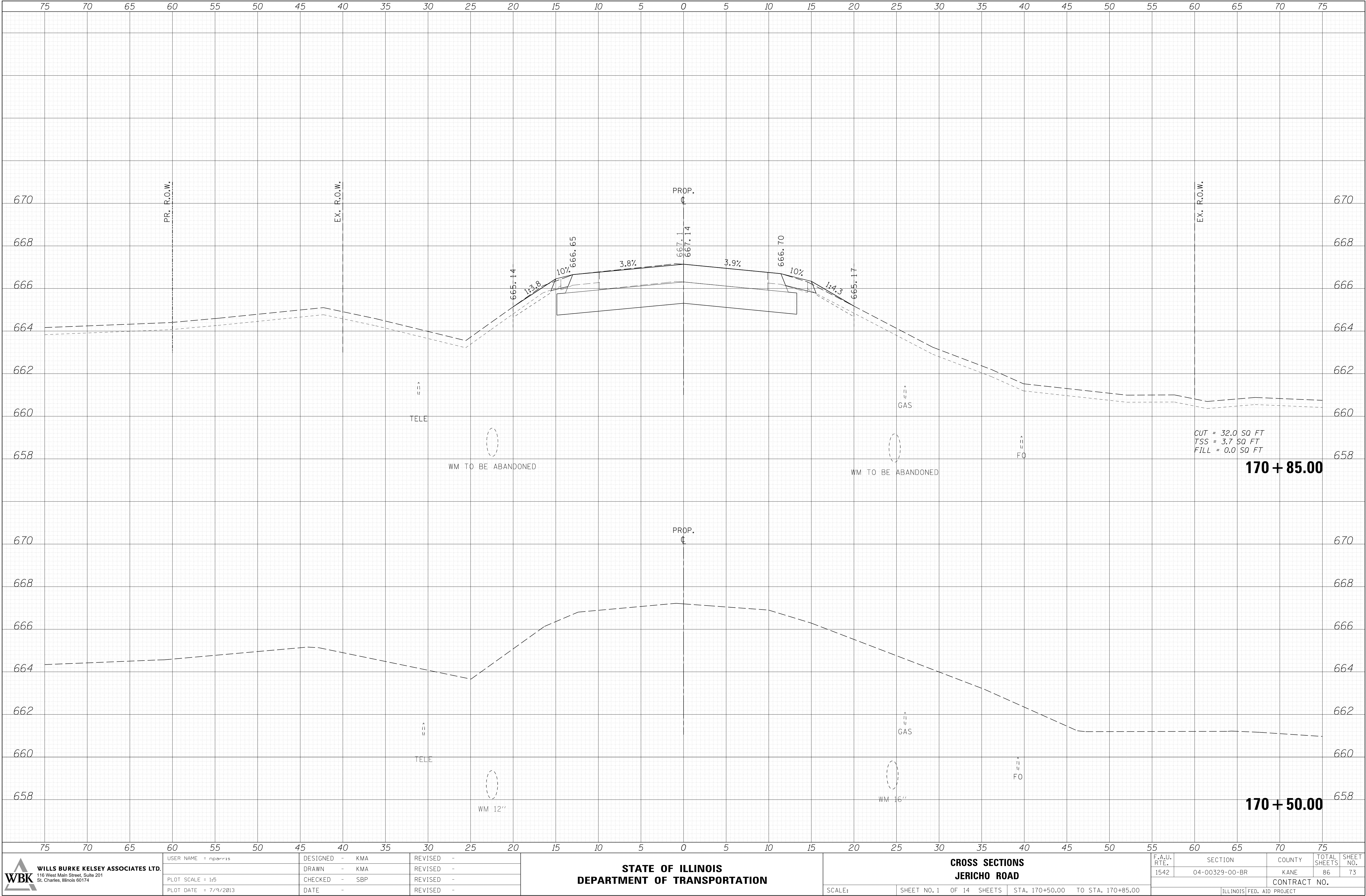
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FINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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

FILE NAME = ka\Projects\2011\10202 Jericho\Road\Draw\Sheet\SSHT-JR.dgn



<div><div>WBK</div><div>WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174</div></div>	USER NAME = nparris		DESIGNED - KMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS JERICHO ROAD				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:5		DRAWN - KMA	REVISED -		1542	04-00329-00-BR	KANE	86	73				
	PLOT DATE = 7/9/2013		CHECKED - SBP	REVISED -		CONTRACT NO.								
	DATE -		REVISED -	ILLINOIS FED. AID PROJECT										
					SCALE:	SHEET NO. 1	OF 14	SHEETS	STA. 170+50.00	TO STA. 170+85.00				

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



WILLS BURKE KELSEY ASSOCIATES LTD.
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St. Charles, Illinois 60174

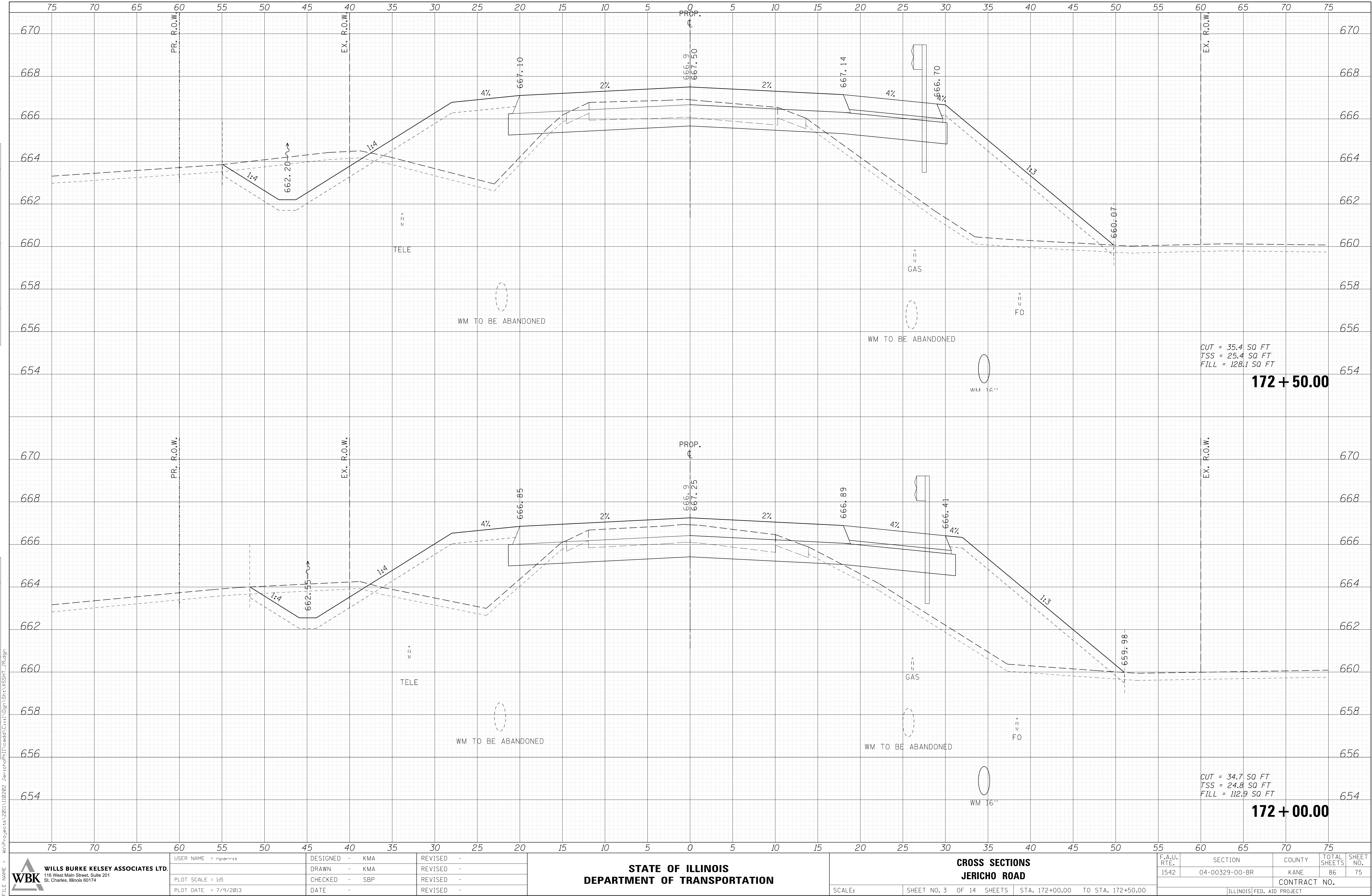
DESIGNED	-	KMA
DRAWN	-	KMA
CHECKED	-	SBP
DATE	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	74
		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

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

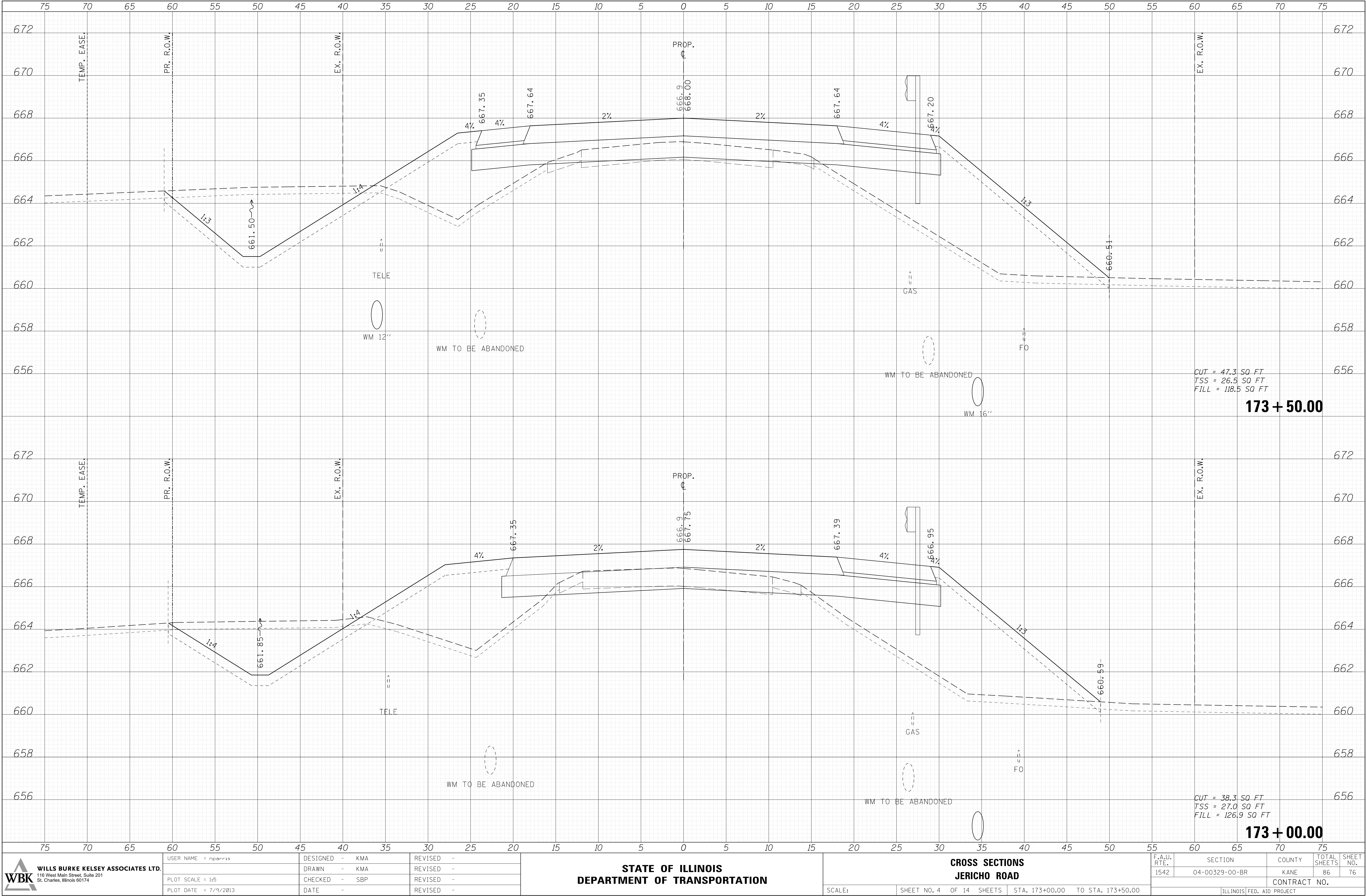
ORIGINAL SURVEY NOTE BOOK NO.	DATE	
	BY	
	SURVEYED	
	PLOTTED	
TEMPLE		
AREAS		CHECKED



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

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

FILE NAME = ka\Projects\2011\10202 Jericho\173+00.00\Drawings\SSHT\SSHT_173+00.00.dgn



**WILLS BURKE KELSEY ASSOCIATES LTD.**
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St. Charles, Illinois 60174

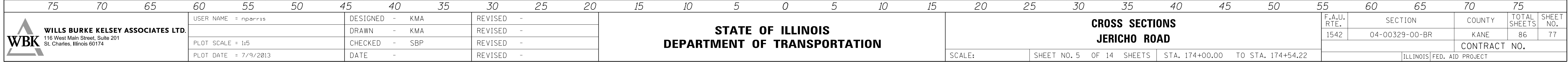
USER NAME = nporris	DESIGNED - KMA	REVISED -
PLOT SCALE = 1:5	DRAWN - KMA	REVISED -
PLOT DATE = 7/9/2013	CHECKED - SBP	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS JERICHO ROAD			
SCALE:	SHEET NO. 4	OF 14 SHEETS	STA. 173+00.00 TO STA. 173+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	76
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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



FILE NAME = W:\Projects\2011\110202 JerichoPhII\cadd\Civil\Dgn\Sh\t\XSSH\JR.dgn

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

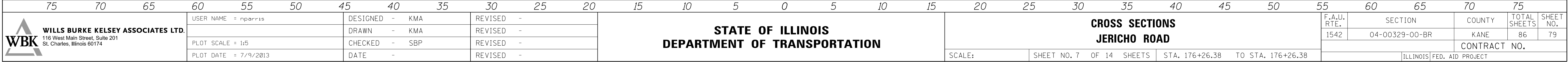
 **WILLS BURKE KELSEY ASSOCIATES LTD.**
116 West Main Street, Suite 201
St. Charles, Illinois 60174

DESIGNED	-	KMA
DRAWN	-	KMA
CHECKED	-	SBP
DATE	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	78
		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		

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



 **WILLS BURKE KELSEY ASSOCIATES LTD.**
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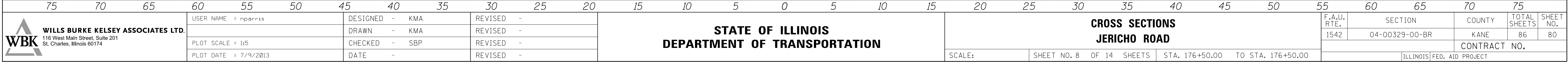
USER NAME = nparris	DESIGNED - KMA	REVISED -
	DRAWN - KMA	REVISED -
PLOT SCALE = 1:5	CHECKED - SBP	REVISED -
PLOT DATE = 7/9/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS JERICHO ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	79
		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

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



USER NAME = nparris	DESIGNED - KMA	REVISED -
	DRAWN - KMA	REVISED -
PLOT SCALE = 1:5	CHECKED - SBP	REVISED -
PLOT DATE = 7/9/2013	DATE -	REVISED -

CROSS SECTIONS JERICHO ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	80
		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

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



WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

DESIGNED	-	KMA
DRAWN	-	KMA
CHECKED	-	SBP
DATE	-	

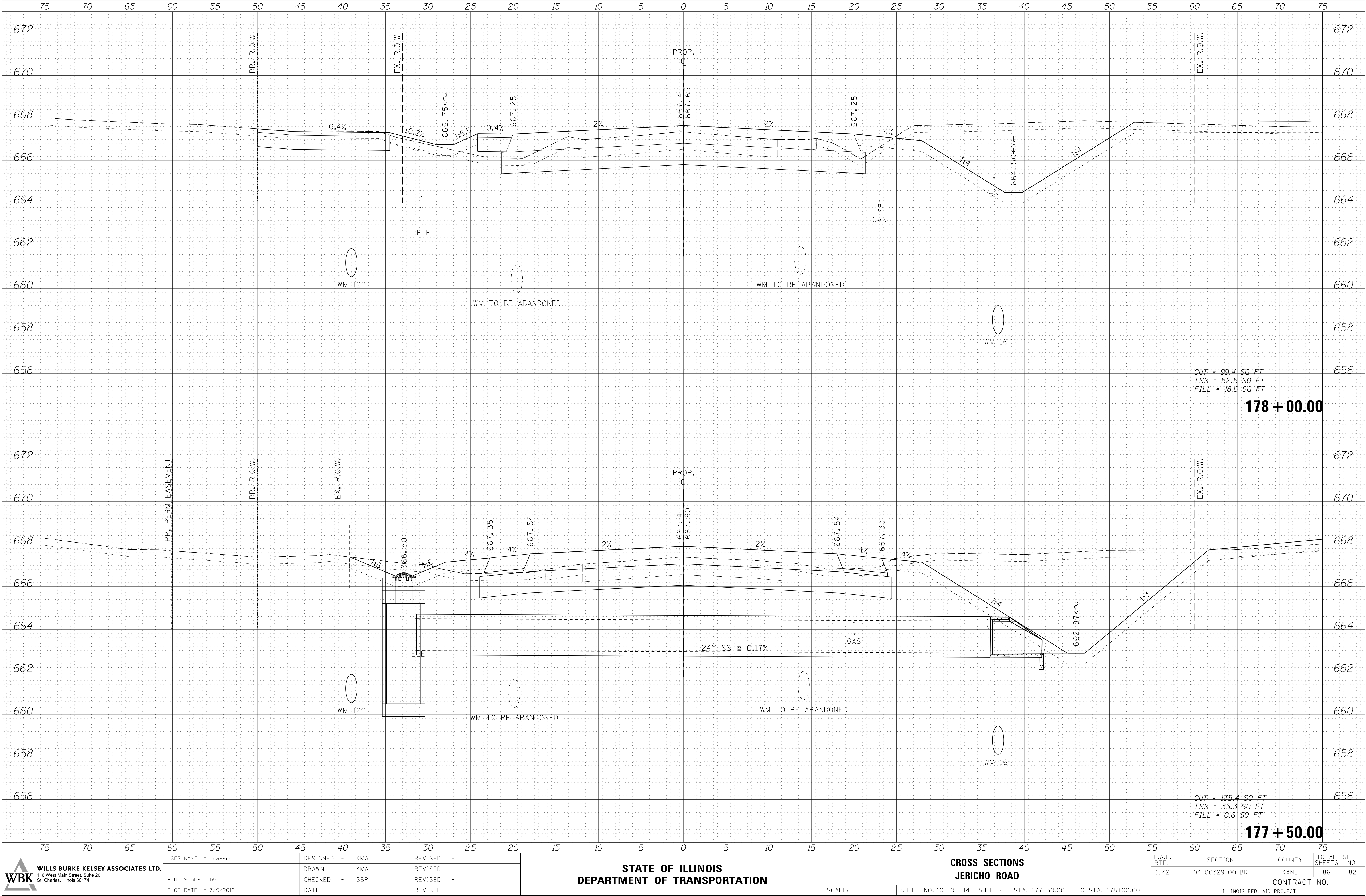
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	81
		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

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

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

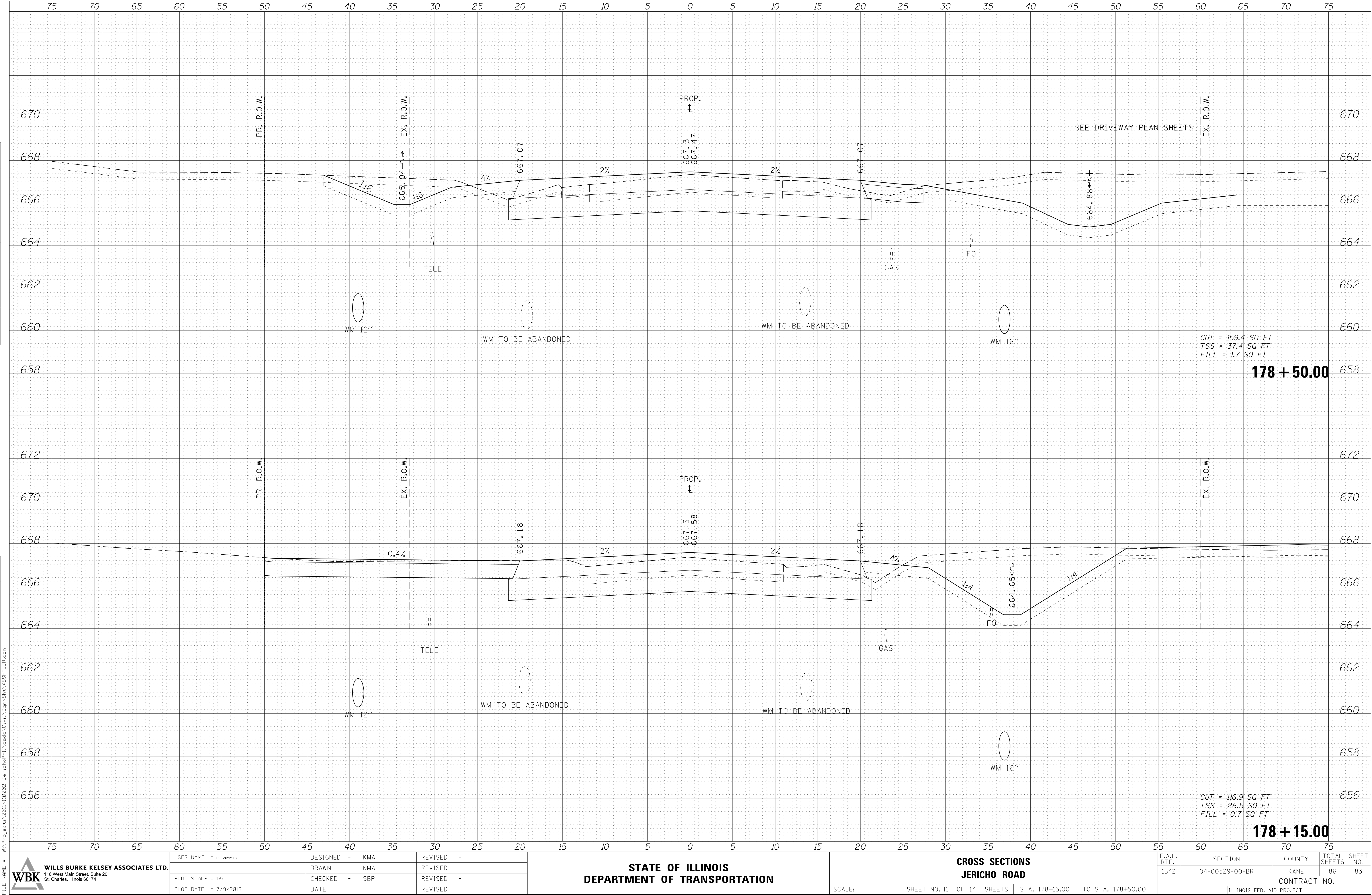
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 WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nparis		DESIGNED - KMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS JERICO ROAD		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:5		DRAWN - KMA	REVISED -		SCALE:		1542	04-00329-00-BR	KANE	86	82
	PLOT DATE = 7/9/2013		CHECKED - SBP	REVISED -		SHEET NO. 10 OF 14 SHEETS		CONTRACT NO.				
			DATE -	REVISED -		STA. 177+50.00 TO STA. 178+00.00		ILLINOIS FED. AID PROJECT				

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

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



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



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116 West Main Street, Suite 201
St. Charles, Illinois 60174

DESIGNED	-	KMA
DRAWN	-	KMA
CHECKED	-	SBP
DATE	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	84
		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

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

 **WILLS BURKE KELSEY ASSOCIATES LTD.**
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparrts
PLOT SCALE = 1:5
PLOT DATE = 7/9/2013

DESIGNED	-	KMA
DRAWN	-	KMA
CHECKED	-	SBP
DATE	-	

REVISED	-
REVISED	-
REVISED	-
REVISED	-

CROSS SECTIONS JERICHO ROAD

SCALE:	SHEET NO. 13 OF 14 SHEETS	STA. 179+50.00 TO STA. 179+70.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	85
		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

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

 **WILLS BURKE KELSEY ASSOCIATES LTD.**
116 West Main Street, Suite 201
St. Charles, Illinois 60174

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	86	86
		CONTRACT NO.		
ILLINOIS		FED. AID PROJECT		