

03-06-2015 LETTING ITEM 217

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	96	1
		ILLINOIS	CONTRACT NO. 63873	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN SUGAR GROVE TOWNSHIP

**TRAFFIC DATA**

2011 ADT = 5,600  
2030 ADT = 10,000

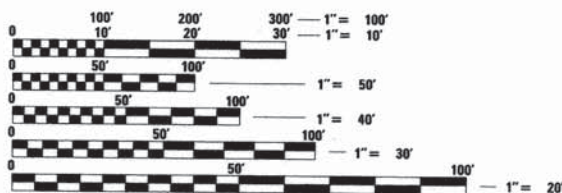
**DESIGN/POSTED SPEED**

POSTED SPEED: 45 MPH  
DESIGN SPEED: 50 MPH

**DESIGN DESIGNATION**

MINOR ARTERIAL (URBAN)

F.A.U. 1542 (JERICO ROAD)  
OVER BLACKBERRY CREEK  
BRIDGE RECONSTRUCTION  
SECTION 04-00329-00-BR  
PROJECT BRM-4003(488)  
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

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

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED NOVEMBER 25, 2014  
*[Signature]*  
COUNTY ENGINEER, KANE COUNTY

PASSED DECEMBER 18, 2014  
*[Signature]*  
CHRISTOPHER HOWE  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW December 23, 2014  
*[Signature]*  
JOHN FORTMANN  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, PE, PTOE (847) 705-4021 SCHAUMBURG, IL

CONTRACT NO. 63873



DECEMBER 5 20 14  
*[Signature]*  
ANDREW E. UNDERWAGER  
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 081-006218  
EXPIRATION DATE 11-30-2016  
SHEETS 46-64



DECEMBER 5 20 14  
*[Signature]*  
PAUL J. FITZPATRICK  
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-047637  
EXPIRATION DATE 11-30-2015  
SHEETS 1-47, 65-96

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE APPLICABLE REQUIREMENTS SET FORTH IN "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012 HEREINAFTER...

DETOUR ON US RTE 30 - IDOT CONTACT

THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

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...

KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT

- 1. THE CONTRACTOR AND ENGINEER SHALL MEET WITH THE KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT TO COORDINATE ALL IN-STREAM WORK ACTIVITIES.

TREES AND SHRUBS

- 1. THE CONTRACTOR SHALL REMOVE ONLY THOSE TREES AND SHRUBS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER, OR THOSE WHICH DIRECTLY INTERFERE WITH THE SAFETY OR QUALITY OF CONSTRUCTION PRACTICES.

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.

REMOVAL NOTES

- 1. MAILBOXES: MAILBOXES ARE ANTICIPATED TO BE TEMPORARILY MOVED BECAUSE OF CONSTRUCTION OPERATIONS. MAILBOXES MAY HAVE TO BE MOVED MORE THAN ONCE...

ROADWAY SIGNAGE

KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) SHALL REMOVE ALL EXISTING SIGNS AND SUPPLY AND ERECT ALL PROPOSED PERMANENT REGULATORY, WARNING AND RECREATION SIGNS ALONG WALKER ROAD FOR THIS PROJECT.

ROADWAY SIGNAGE DESCRIBED ABOVE DOES NOT APPLY TO ANY TEMPORARY SIGNAGE USED FOR CONSTRUCTION OPERATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR SUPPLYING AND MAINTAINING ALL SIGNS REQUIRED FOR THE MAINTENANCE OF TRAFFIC OF THE VARIOUS STAGES OF CONSTRUCTION AND DETOURS.

USGS FLOOD LEVEL MONITORING GAUGE

THERE WAS A USGS FLOOD LEVEL MONITORING GAUGE ATTACHED TO THE EXISTING BRIDGE STRUCTURE. THERE HAS BEEN COORDINATION DURING THE PHASE II DESIGN WITH THE USGS TO HAVE THE GAUGE REMOVED PRIOR TO CONSTRUCTION.

OWNER OF RECORD

THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. THE EXISTING BRIDGE PLANS HAVE BEEN INCLUDED IN THIS PLAN SET AND ARE "FOR REFERENCE ONLY".

SURVEY DATUM

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

DEMOLITION PLAN

BLACKBERRY CREEK IS CONSIDERED WATERS OF THE U.S. OR "PUBLIC WATERS". THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DEMOLITION PLAN IN ACCORDANCE WITH ARTICLE 501.02 TO THE ENGINEER FOR APPROVAL.

INDEX OF SHEETS

Table with columns SHEET NO. and DESCRIPTION. Lists sheet numbers 1 through 73 and their corresponding descriptions like COVER SHEET, INDEX OF SHEETS, etc.

HIGHWAY STANDARDS

Table with columns STANDARD NO. and DESCRIPTION. Lists standard numbers like 000001-06 and descriptions like STANDARD SYMBOLS, AREAS OF REINFORCEMENT BARS, etc.

DISTRICT DETAILS

Table with columns STANDARD NO. and DESCRIPTION. Lists details like BD-51, TC-10, TC-13, TC-21 and their descriptions.

COMMITMENTS

TREES WILL BE REPLACED.

FILE NAME: W:\Projects\3281\10282 - Jericho Rd\Tenders\Civil\Drawings\GENNOTE\_B1.dgn

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

Table with columns USER NAME, DESIGNED, DRAWN, CHECKED, DATE and their corresponding values.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX OF SHEETS & STANDARDS

Table with columns F.A.U. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. and their values.

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

CONTRACT NO. 63873 ILLINOIS FED. AID PROJECT

# SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				NON-PARTICIPATING
						80% FEDERAL 20% STATE				100% LOCAL
						ROADWAY 0004 URBAN	BRIDGE 0011 URBAN	TRAINEES 0042 URBAN	UTILITIES 0043 URBAN	UTILITIES 0043 URBAN
*		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	368	368				
*		20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	658	658				
		20101000	TEMPORARY FENCE	FOOT	189	189				
		20101100	TREE TRUNK PROTECTION	EACH	17	17				
	S	20200100	EARTH EXCAVATION	CU YD	3,045	3,045				
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	835	835				
		20300100	CHANNEL EXCAVATION	CU YD	545	545				
		20800150	TRENCH BACKFILL	CU YD	16	12			4	
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,667	1,667				
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1,305	1,305				
		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	98	98				
*		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	98	98				
*		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	98	98				
*		25100630	EROSION CONTROL BLANKET	SQ YD	9,591	9,591				
*		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	785	785				
*		28000305	TEMPORARY DITCH CHECKS	FOOT	290	290				
*		28000315	AGGREGATE DITCH CHECKS	TON	3	3				
*		28000400	PERIMETER EROSION BARRIER	FOOT	2,543	2,543				
*		28000500	INLET AND PIPE PROTECTION	EACH	2	2				
		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	9,591	9,591				
		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	4,731	4,731				

FILE NAME = W:\Projects\2011\102022\_Jericho\PHI\Needle\Civil\Drawings\Sheet\SD01.dwg

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

USER NAME = nparf13	DESIGNED - SBP	REVISED -
PLLOT SCALE = 1:1	DRAWN - NDP	REVISED -
PLLOT DATE = 12/12/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. 1	OF 5 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	3
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				NON-PARTICIPATING
						80% FEDERAL 20% STATE				100% LOCAL
						ROADWAY 0004 URBAN	BRIDGE 0011 URBAN	TRAINEES 0042 URBAN	UTILITIES 0043 URBAN	UTILITIES 0043 URBAN
		31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	56	56				
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	139	139				
		35102200	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	767	767				
		35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	127	127				
	S	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	14,925	14,925				
		40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,761	1,761				
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	578	578				
		42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	122	122				
		44000100	PAVEMENT REMOVAL	SQ YD	2,850	2,850				
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	182	182				
		44201692	CLASS D PATCHES, TYPE II, 4 INCH	SQ YD	30	30				
		44201694	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	19	19				
		44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	53	53				
		48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	10	10				
		48203013	HOT-MIX ASPHALT SHOULDERS, 4"	SQ YD	16	16				
		48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	810	810				
		50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1			
		50105220	PIPE CULVERT REMOVAL	FOOT	103	103				
		50200100	STRUCTURE EXCAVATION	CU YD	238		238			
		50200300	COFFERDAM EXCAVATION	CU YD	177		177			
		50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1		1			
		50300225	CONCRETE STRUCTURES	CU YD	183.1		183.1			
		50300255	CONCRETE SUPERSTRUCTURE	CU YD	179.7		179.7			
		50300260	BRIDGE DECK GROOVING	SQ YD	984		984			
		50300265	SEAL COAT CONCRETE	CU YD	108.7		108.7			
		50300280	CONCRETE ENCASEMENT	CU YD	8.4		8.4			
		50300300	PROTECTIVE COAT	SQ YD	1,134		1,134			
		50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	6,277		6,277			
		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	71,940		71,940			
		51201600	FURNISHING STEEL PILES HP12X53	FOOT	638		638			
		51201610	FURNISHING STEEL PILES HP12X63	FOOT	300		300			
		51202305	DRIVING PILES	FOOT	938		938			

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# SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				NON-PARTICIPATING
						80% FEDERAL 20% STATE				100% LOCAL
						ROADWAY 0004 URBAN	BRIDGE 0011 URBAN	TRAINEES 0042 URBAN	UTILITIES 0043 URBAN	UTILITIES 0043 URBAN
		51203600	TEST PILE STEEL HP12X53	EACH	2		2			
		51203610	TEST PILE STEEL HP12X63	EACH	1		1			
		51204650	PILE SHOES	EACH	35		35			
		51500100	NAME PLATES	EACH	1		1			
	S	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1				
		550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	67	67				
*	S	56100500	WATER MAIN 4"	FOOT	29					29
*	S	56100600	WATER MAIN 6"	FOOT	43					43
*	S	56100900	WATER MAIN 12"	FOOT	615					615
*	S	56101000	WATER MAIN 16"	FOOT	672					672
*	S	56104800	WATER VALVES 4"	EACH	1					1
*	S	56105200	WATER VALVES 12"	EACH	2					2
*	S	56105760	BUTTERFLY VALVES 16"	EACH	1					1
*	S	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	3					3
*	S	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	5					5
		59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	59		59			
		60100945	PIPE DRAINS 12"	FOOT	40	40				
		60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1				
		60235300	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	2	2				
*	S	60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1					1
*	S	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4					4
		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	3	3				
*		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3				
		63200310	GUARDRAIL REMOVAL	FOOT	201	201				
*		66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	10	10				
		67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	5	5				
		67100100	MOBILIZATION	L SUM	1	1				
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	354	354				
		70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	117	117				
*		72000100	SIGN PANEL - TYPE 1	SQ FT	29	29				

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# SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				NON-PARTICIPATING
						80% FEDERAL 20% STATE				100% LOCAL
						ROADWAY 0004 URBAN	BRIDGE 0011 URBAN	TRAINEES 0042 URBAN	UTILITIES 0043 URBAN	UTILITIES 0043 URBAN
*		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1				
		72900100	METAL POST - TYPE A	FOOT	80	80				
*		78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	73	73				
*		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3,237	3,237				
*		78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	165	165				
*		78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	103	103				
*		78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	37	37				
*	S	78200410	GUARDRAIL MARKERS, TYPE A	EACH	8	8				
*		78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4				
*		81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,043			1,043		
		81400100	HANDHOLE	EACH	1			1		
*	S	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1,076			1,076		
		87900200	DRILL EXISTING HANDHOLE	EACH	1			1		
	S	89502380	REMOVE EXISTING HANDHOLE	EACH	1			1		
*		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				
*		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	K0036120	MULCH PLACEMENT 4"	SQ YD	32	32				
	S	X0300249	REMOVE EXISTING GATE	EACH	2	2				
	S	X0323697	RUSTIC RAIL FENCE REMOVAL	FOOT	391	391				
*	S	X0324256	FIBER OPTIC CABLE SPLICE	EACH	2			2		
	S	X0325003	REMOVE EXISTING VALVE AND VAULT	EACH	2			2		
	S	X0326806	WASHOUT BASIN	L SUM	1	1				
*	S	X0640200	TRAFFIC BARRIER TERMINAL (SPECIAL)	EACH	1	1				
	S	X2090215	SELECT GRANULAR BACKFILL, SPECIAL	CU YD	133					133
	S	X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	305	305				
	S	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100				
*	S	X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.25	0.25				

FILE NAME = M:\Projects\2011\110222\_Janishah\110222\110222.dgn



USER NAME = nparris	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:1	DRAWN - NDP	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

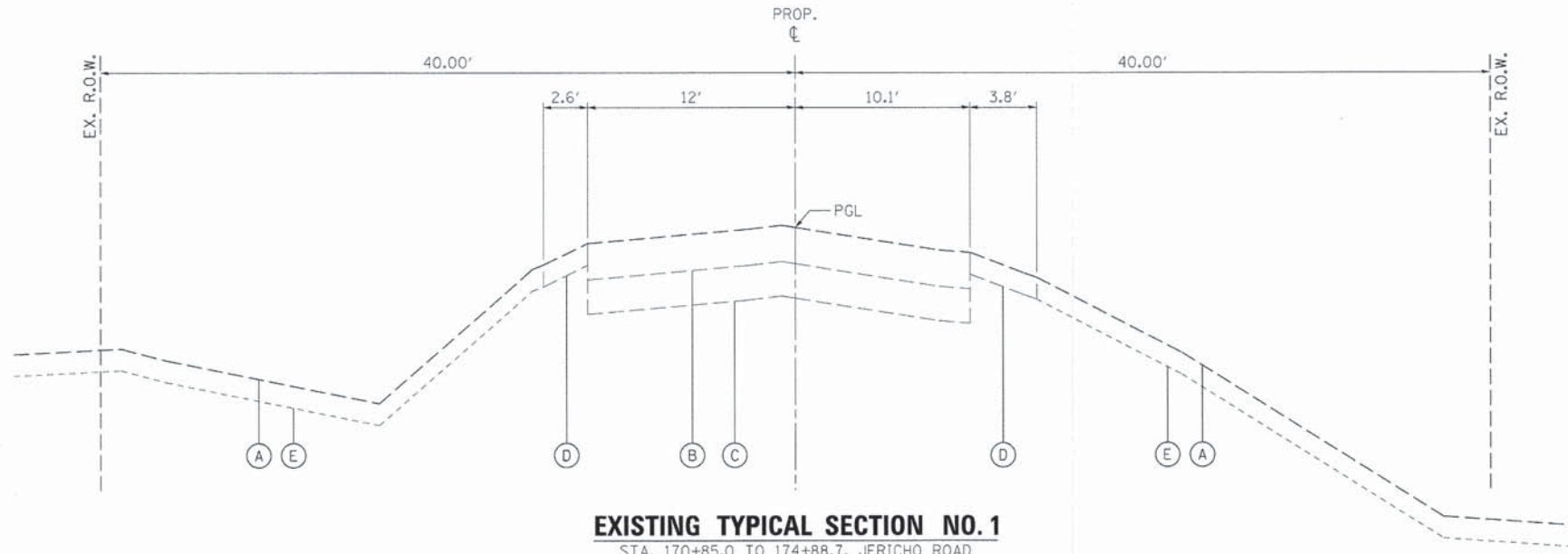
SCALE: SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	6
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

# SUMMARY OF QUANTITIES

SPECIALTY ITEM	SPECIAL PROVISION	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				NON-PARTICIPATING
						80% FEDERAL 20% STATE				100% LOCAL
						ROADWAY 0004 URBAN	BRIDGE 0011 URBAN	TRAINEES 0042 URBAN	UTILITIES 0043 URBAN	UTILITIES 0043 URBAN
	S	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	2					
	S	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1	1				
	S	X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	698		698			
*	S	X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	10,101					10,101
*	S	X5610654	WATER MAIN TO BE ABANDONED, 4"	FOOT	51					51
*	S	X5610662	WATER MAIN TO BE ABANDONED, 12"	FOOT	614					614
*	S	X5610666	WATER MAIN TO BE ABANDONED, 16"	FOOT	662					662
*	S	X5620030	WATER SERVICE CONNECTION 1"	EACH	1					1
*	S	X5630704	CONNECTION TO EXISTING WATER MAIN 4"	EACH	1					1
*	S	X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	4					4
*	S	X5630716	CONNECTION TO EXISTING WATER MAIN 16"	EACH	3					3
	S	X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	88		88			
*	S	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1				
	S	X7010237	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL DA	28	28				
*	S	X8710039	FIBER OPTIC CABLE 144 FIBERS, SINGLE MODE	FOOT	1,076				1,076	
	S	X8950450	REMOVE EXISTING UNDERGROUND CONDUIT	FOOT	1,018	1,018				
*	S	XX005633	ENTRY SIGNAGE	EACH	1	1				
	S	XX005896	CONCRETE PAD REMOVAL	SQ FT	62	62				
	S	XX007562	SIGN REMOVAL, SPECIAL	L SUM	1	1				
*	S	XX008811	GATE, SPECIAL	EACH	3	3				
	S	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	50	50				
*	S	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
	S	Z0022810	FENCE REMOVAL (SPECIAL)	FOOT	139	139				
*	S	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	43	43				
*	S	Z0041900	POLYETHYLENE ENCASEMENT	FOOT	1,358					1,358
*	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	540	540				
	S	Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	500	500				
	S	Z0076600	TRAINEES	Hour	500			500		
	S	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	500			500		

FILE NAME = \\P:\projects\2011\102022 - Jir-eh-PHIT\road\CL\1\Ugn\Sh\500\_85.dgn



**EXISTING TYPICAL SECTION NO. 1**  
STA. 170+85.0 TO 174+88.7, JERICHO ROAD

**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. - 20200100)  
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. - 20200100)
- (E) EXISTING TOPSOIL - TO BE REMOVED (INCLUDED IN REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS - 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 (IF APPLICABLE). 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 (IF APPLICABLE).

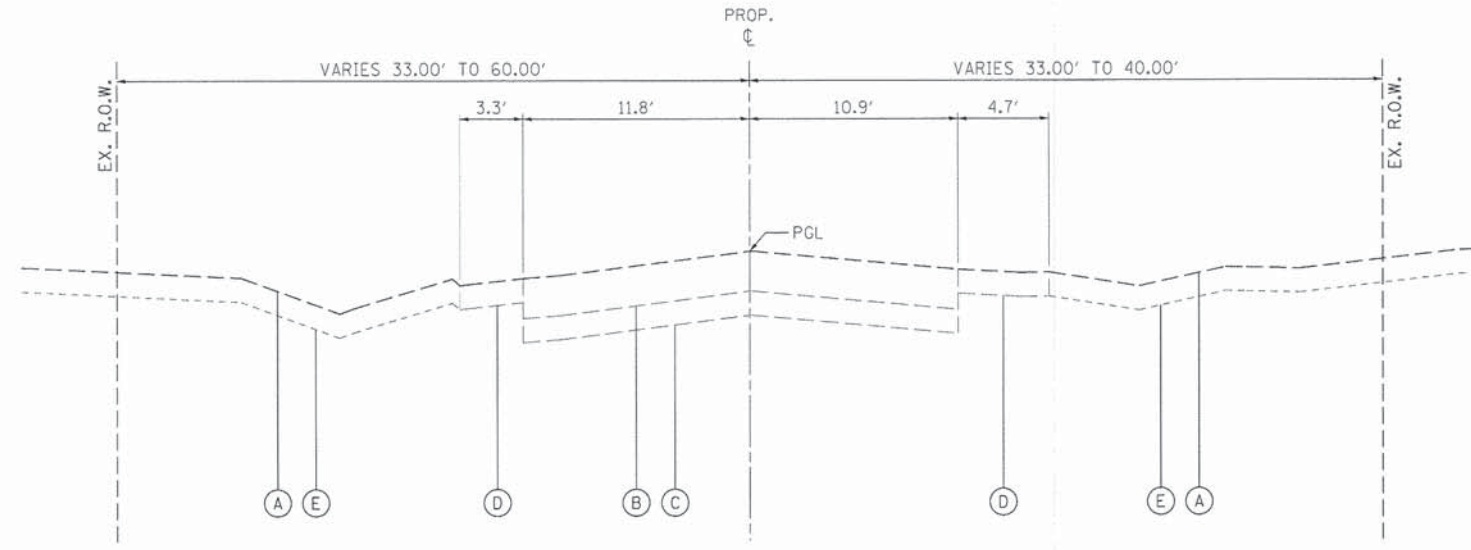
**STRUCTURAL PAVEMENT DESIGN**

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
<b>JERICHO ROAD - RECONSTRUCTION</b>	
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 1/4" MIN. - 4" MAX.)•	4% @ 50 GYR.
<b>JERICHO PARK ENTRANCE ROAD- RECONSTRUCTION</b>	
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.
<b>JERICHO ROAD - APPROACH PAVEMENT CONNECTOR (FLEXIBLE)</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19, N50 (2 1/4" MIN. - 4" MAX.)•	4% @ 50 GYR.
<b>HMA SHOULDERS</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 GYR.
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm), 6" (2 1/4" MIN. - 4" MAX.)•	4% @ 50 GYR.
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm), 4" (2 1/4" MIN. - 4" MAX.)•	4% @ 50 GYR.
<b>HMA PATCHING</b>	
CLASS D PATCHES (HMA BINDER IL-19 mm), 4"	4% @ 50 GYR.
<b>DRIVEWAYS- P.E.</b>	
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), 6" (2 1/4" MIN. - 4" MAX.)•	4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/50 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.  
 •NUMBER OF LIFTS TO BE DETERMINED BY THE ENGINEER.



**EXISTING TYPICAL SECTION NO. 2**  
STA. 175+81.4 TO 180+00.0, JERICHO ROAD

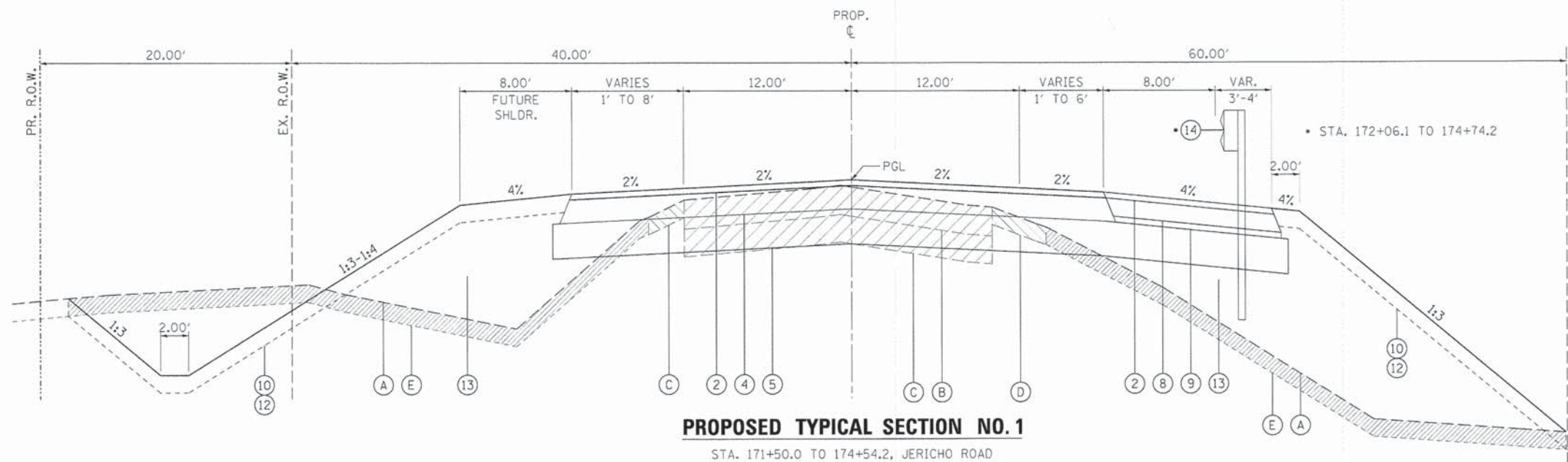
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PLOT SCALE = 1/8"	DRAWN - NDP	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**TYPICAL SECTIONS**

SCALE: N/A SHEET NO. 1 OF 3 SHEETS STA. TO STA.

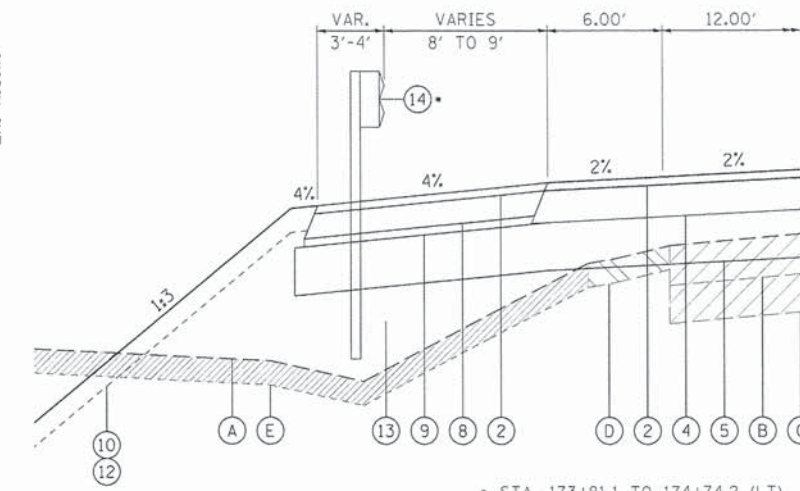
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	8
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				





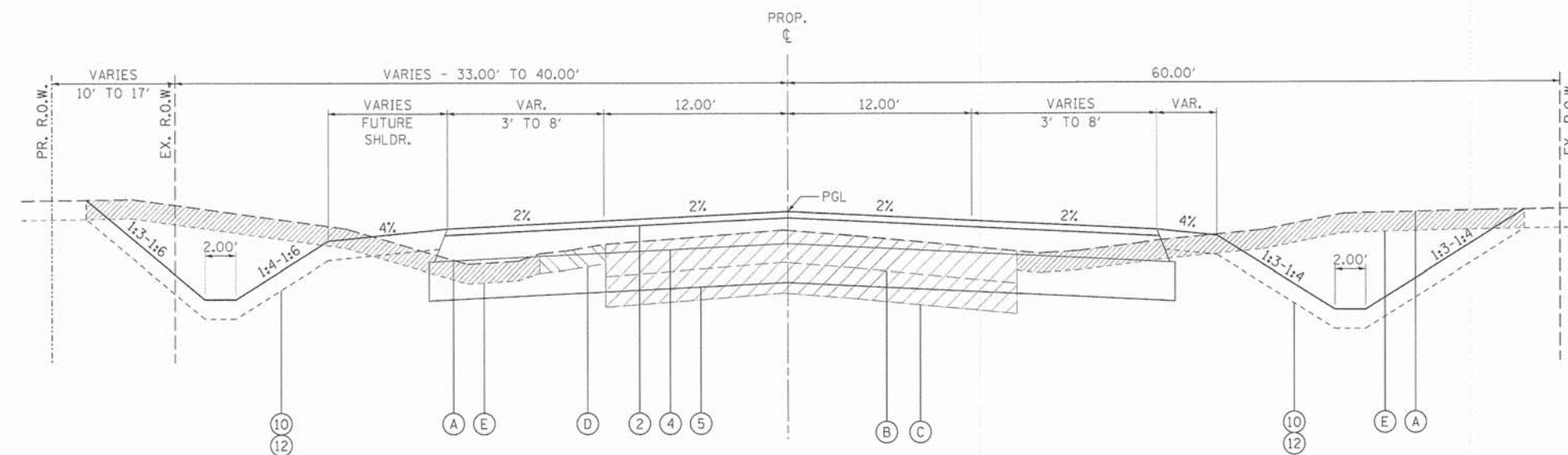
**PROPOSED TYPICAL SECTION NO. 1**

STA. 171+50.0 TO 174+54.2, JERICHO ROAD  
(BRIDGE OMISSION STA. 174+54.2 TO 176+26.4)



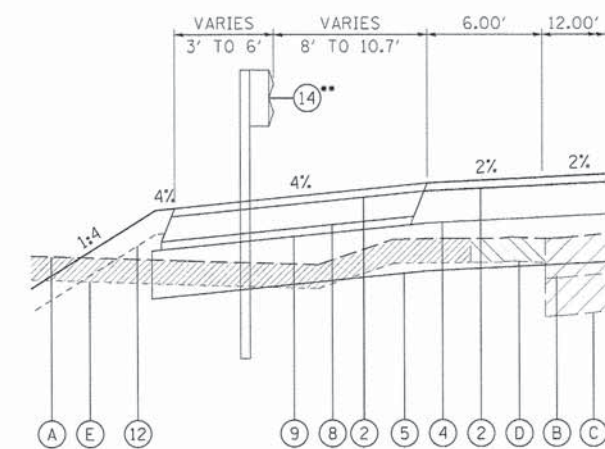
**PROPOSED TYPICAL SECTION NO. 1A**

STA. 173+81.1 TO 174+74.2 (LT), JERICHO ROAD



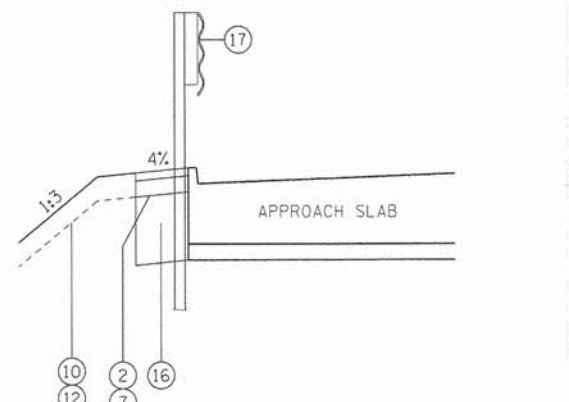
**PROPOSED TYPICAL SECTION NO. 2**

STA. 176+26.4 TO 180+00.0, JERICHO ROAD



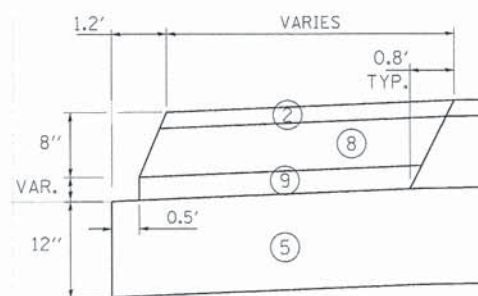
**PROPOSED TYPICAL SECTION NO. 2A**

STA. 176+26.4 TO 177+66.4 (LT), JERICHO ROAD  
STA. 176+26.4 TO 177+69.5 (RT), JERICHO ROAD  
\*\*STA. 176+26.4 TO 176+50.3 (LT)  
STA. 176+26.4 TO 176+99.5 (RT)

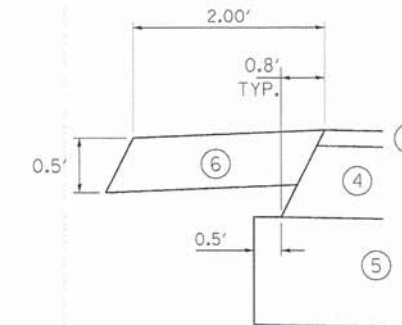


**HMA SHOULDER BEHIND CURB DETAIL**

STA. 174+54.2 TO 174+74.2 (LT/RT), JERICHO ROAD  
STA. 176+06.4 TO 176+26.4 (LT/RT), JERICHO ROAD



**HMA SHOULDER DETAIL**



**AGGREGATE SHOULDER DETAIL**

STA. 170+85.0 TO 171+14.3 (LT.), JERICHO ROAD  
STA. 170+85.0 TO 171+07.7 (RT.), JERICHO ROAD

**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. - 20201000)  
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. - 20200100)
- (E) EXISTING TOPSOIL - TO BE REMOVED (INCLUDED IN REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS - 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 (IF APPLICABLE).

**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 B, VARIABLE THICKNESS (31101100)
- (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) 17", SUBBASE GRANULAR MATERIAL, TYPE B (31101100)
- (17) TRAFFIC BARRIER TERMINAL, TYPE 6 (63100085)

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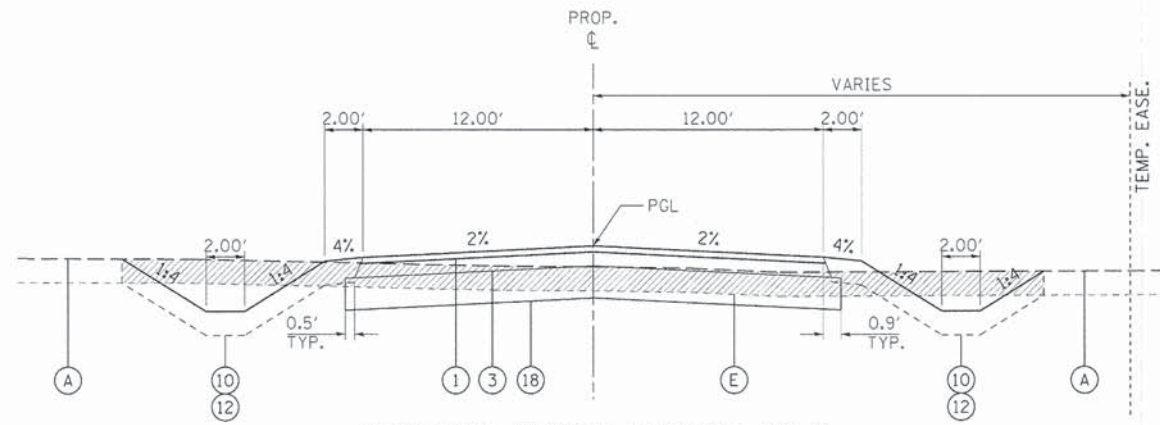


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PLOT SCALE = 1/8"	DRAWN - NDP	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

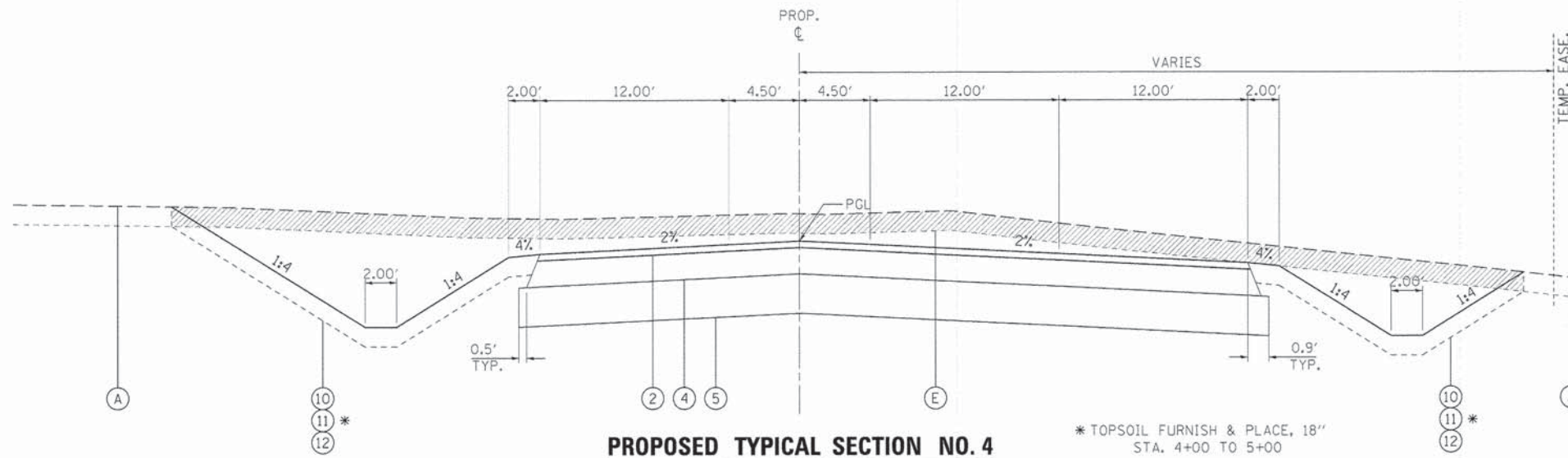
<b>TYPICAL SECTIONS</b>	
SCALE: N/A	SHEET NO. 2 OF 3 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	9
CONTRACT NO. 63873			ILLINOIS FED. AID PROJECT	



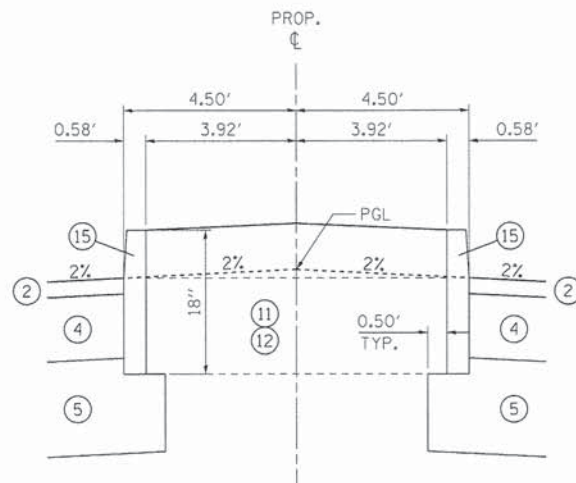
**PROPOSED TYPICAL SECTION NO. 3**

STA. 1+24.3 TO 3+81.5  
JERICHO LAKE PARK ENTRANCE



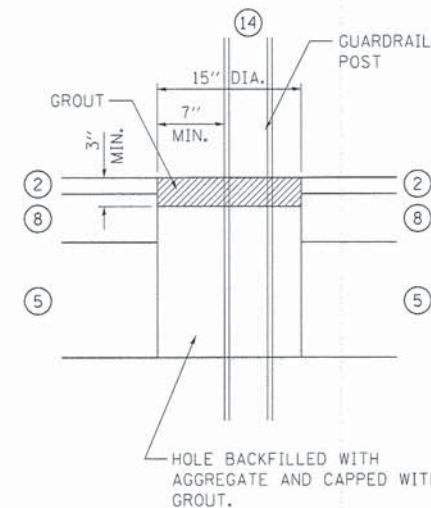
**PROPOSED TYPICAL SECTION NO. 4**

STA. 3+81.5 TO 5+00.0  
JERICHO LAKE PARK ENTRANCE



**PROPOSED TYPICAL SECTION NO. 5**

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



**GUARDRAIL GROUT DETAIL**

SEE STD. 630201 FOR ADDITIONAL DETAILS

**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. - 20201000)  
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. - 20200100)
- (E) EXISTING TOPSOIL - TO BE REMOVED (INCLUDED IN REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS - 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.
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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)
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- (6) AGGREGATE SHOULDERS, TYPE B 6" (48101500)
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- (8) HMA SHOULDERS, 6" (48203021)
- (9) SUBBASE GRANULAR MATERIAL, TYPE B, VARIABLE THICKNESS (31101100)
- (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) 17", SUBBASE GRANULAR MATERIAL, TYPE B (31101100)
- (17) TRAFFIC BARRIER TERMINAL, TYPE 6 (63100085)
- (18) AGGREGATE BASE COURSE, TYPE B, 10" (35102200)

FILE NAME: W:\Projects\2011\11222 JerichoPark\Road\Civil\Drawings\Typ\_03.dgn



USER NAME = ndorris	DESIGNED - SBP	REVISED -
PLOT SCALE = 1/8"	DRAWN - NDP	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE = 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	10
				CONTRACT NO. 63873
ILLINOIS FED. AID PROJECT				

# SCHEDULE OF QUANTITIES

**20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)**

UNIT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
10.0	171+68.0	58.1		
18.0	174+02.4	46.7		MS (9"/9")
8.0	174+12.3	49.9		
38.0	174+76.5	58.5		MS (14"/12"/12")
13.0	174+95.7	61.7		
13.0	175+02.7	63.0		
8.0	175+02.3	58.0		
8.0	176+92.3		58.0	
8.0	177+31.4		114.3	
8.0	177+32.7		115.8	
16.0	177+35.7		109.2	MS (8"/8")
15.0	177+38.1		121.7	
10.0	177+41.6		82.3	
8.0	177+47.1		60.1	
8.0	177+47.9		70.3	
8.0	177+49.8		53.1	
8.0	177+50.8		92.5	
16.0	177+62.8		30.7	MS (10"/6")
15.0	177+94.9		45.8	
12.0	178+64.9		43.6	
<b>248.0</b>	<b>TOTAL</b>			

**20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)**

WEST OF BRIDGE				
UNIT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
26.0	171+07.96	48.6		
24.0	171+51.66	55.1		
22.0	171+80.75	55.0		
18.0	171+94.19	56.9		
23.0	174+17.4	58.0		
<b>113.0</b>	<b>SUB TOTAL</b>			

EAST OF BRIDGE				
UNIT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
30.0	179+64.6	34.4		
22.0	179+69.0	34.5		
28.0	176+49.4	35.3		
18.0	176+38.8		52.2	
22.0	176+83.1		128.8	
22.0	177+15.0		114.8	
22.0	177+28.0		131.2	
20.0	177+32.2		144.7	
22.0	177+32.2		131.3	
19.0	177+35.6		102.6	
22.0	177+36.6		106.6	
23.0	177+49.2		91.5	
19.0	177+50.8		75.6	
19.0	177+57.2		58.0	
20.0	177+65.1		45.5	
25.0	177+75.2		47.7	
23.0	178+22.4		44.1	
25.0	178+49.8		109.1	
30.0	178+50.0		125.3	
30.0	179+16.0		47.8	
21.0	179+32.5		104.6	
38.0	179+40.1		54.7	MS (20"/18")
25.0	179+51.1		37.8	
<b>545.0</b>	<b>SUB TOTAL</b>			
<b>658</b>	<b>TOTAL</b>			

**20101000 TEMPORARY FENCE**

FOOT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
37.7	176+29.3		125.1	TREE PROTECTION
37.7	176+40.1		95.7	FENCING
37.7	176+56.3		74.0	
37.7	177+02.8	52.9		
37.7	177+20.3		88.1	
<b>189</b>	<b>TOTAL</b>			

**20101100 TREE TRUNK PROTECTION**

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
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
<b>17</b>	<b>TOTAL</b>			

**20800150 TRENCH BACKFILL**

VOLUME (CU YD)	LOCATION	PIPE DIA. (INCH)	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	COEFFICIENT
12	177+50.00	24	50.0	4.0	3.2	0.235
4		4	58.0	1.8	2.5	0.296
<b>12</b>	<b>TOTAL (ROADWAY)</b>					
<b>4</b>	<b>TOTAL (UTILITY)</b>					

**54213663 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"**

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
1	177+50.0		42.1	GRATING INCLUDED IN COST OF CONCRETE F.E.S.
<b>1</b>	<b>TOTAL</b>			

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

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

**60100945 PIPE DRAINS 12"**

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
40.0	VAR			FIELD TILE REPAIR NOMINAL AT DISCRETION OF ENGINEER
<b>40.0</b>	<b>TOTAL</b>			

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

TOTAL (EACH)	LOCATION	OFFSET	COMMENTS
1	177+50.00	33.0' LT	SEE DETAIL FOR FRAME ADJUSTMENT
<b>1</b>	<b>TOTAL</b>		

**60235300 INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID**

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
2.0	VAR			FIELD TILE REPAIR NOMINAL AT DISCRETION OF ENGINEER
<b>2.0</b>	<b>TOTAL</b>			

**66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS**

UNIT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
1	169+49.80	40.00		POINT A (PLAT SHEET 2 OF 3)
1	169+65.24	79.58		POINT B (PLAT SHEET 2 OF 3)
1	169+87.53	60.00		POINT C (PLAT SHEET 2 OF 3)
1	175+30.65	60.00		POINT G (PLAT SHEET 3 OF 3)
1	175+31.07	50.00		POINT H (PLAT SHEET 3 OF 3)
1	177+51.72	50.00		POINT J (PLAT SHEET 3 OF 3)
1	178+79.77	50.00		POINT K (PLAT SHEET 3 OF 3)
1	179+29.00		125.38	POINT Q (PLAT SHEET 3 OF 3)
1	180+43.48		157.48	POINT R (PLAT SHEET 3 OF 3)
1	180+78.38		33.00	POINT S (PLAT SHEET 3 OF 3)
<b>10</b>	<b>TOTAL</b>			

**72000100 SIGN PANEL - TYPE 1**

SQ FT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
8	178+36.50		137.0	W1-6 (LARGE ARROW, RT)
8	179+11.50		122.0	W1-6 (LARGE ARROW, LT)
9	179+23.40		28.0	R1-1 (STOP SIGN)
1	177+09.80	32.7		SGPFD SIGN (39W398)
1	177+09.81	32.7		SGPFD SIGN (39W394)
1	178+39.30	25.0		SGPFD SIGN (39W376)
1	178+53.50		35.1	SGPFD SIGN (39W365)
<b>29</b>	<b>TOTAL</b>			

**72400500 RELOCATE SIGN PANEL ASSEMBLY - TYPE A**

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
1	178+58.7	65.0		PARK DISTRICT RULES
<b>1</b>	<b>TOTAL</b>			

**72900100 METAL POST - TYPE A**

FOOT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
20.0	178+36.50		137.0	W1-6 (LARGE ARROW, RT)
20.0	179+11.50		122.0	W1-6 (LARGE ARROW, LT)
10.0	179+23.40		28.0	R1-1 (STOP SIGN)
7.5	177+09.80	32.7		SGPFD SIGN (39W398)
7.5	177+09.81	32.7		SGPFD SIGN (39W394)
7.5	178+39.30	25.0		SGPFD SIGN (39W376)
7.5	178+53.50		35.1	SGPFD SIGN (39W365)
<b>80.0</b>	<b>TOTAL</b>			

**78200410 GUARDRAIL MARKERS, TYPE A**

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
1	172+80.60		26.6	SEE DETAIL
1	173+60.50		26.6	
1	173+90.00	27.5		
1	174+40.50		26.6	
1	174+70.00	26.6		
1	176+15.50		26.6	
1	176+30.00	26.6		
1	176+80.50		27.3	
<b>8</b>	<b>TOTAL</b>			

FILE NAME = \\V:\Projects\2011\118282 - Jerricho\PH1\118282\_Civil\Dgn\Shit\Schedule.dgn



USER NAME = nparris	DESIGNED - SBP	REVISED -
DESIGNED - NDP	REVISED -	
PLOT SCALE = 1:1	CHECKED - SBP	REVISED -
PLOT DATE = 12/12/2014	DATE = 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE:	SHEET NO. 1 OF 10 SHEETS	STA. TO STA.	F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 11
CONTRACT NO. 63873							ILLINOIS FED. AID PROJECT

# SCHEDULE OF QUANTITIES

**78201000 TERMINAL MARKER - DIRECT APPLIED**

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

**81028240 UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.**

FOOT	LOCATION	LOCATION	O/S	COMMENTS
148.0	169+00.00	170+50.00	RT	KANE COUNTY FIBER OPTICS
50.0	170+50.00	171+00.00	RT	
50.0	171+00.00	171+50.00	RT	
50.0	171+50.00	172+00.00	RT	
50.0	172+00.00	172+50.00	RT	
50.0	172+50.00	173+00.00	RT	
50.0	173+00.00	173+50.00	RT	
50.0	173+50.00	174+00.00	RT	
50.0	174+00.00	174+50.00	RT	
33.0	174+50.00	174+83.30	RT	
113.0	BRIDGE		RT	
3.0	175+97.38	176+00.00	RT	
50.0	176+00.00	176+50.00	RT	
50.0	176+50.00	177+00.00	RT	
50.0	177+00.00	177+50.00	RT	
50.0	177+50.00	178+00.00	RT	
50.0	178+00.00	178+50.00	RT	
56.0	178+50.00	179+00.00	RT	
40.0	179+00.00	179+50.00	RT	
<b>1043</b>	<b>TOTAL</b>			

**81400100 HANDHOLE**

TOTAL (EACH)	LOCATION	OFFSET	COMMENTS
1	179+26.90	29.8' RT	FIBER OPTIC SPLICE
<b>1</b>	<b>TOTAL</b>		

**87300925 ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C**

FOOT	LOCATION	LOCATION	O/S	COMMENTS
164.5	169+00.00	170+50.00	RT	KANE COUNTY FIBER OPTICS
50.0	170+50.00	171+00.00	RT	
50.0	171+00.00	171+50.00	RT	
50.0	171+50.00	172+00.00	RT	
50.0	172+00.00	172+50.00	RT	
50.0	172+50.00	173+00.00	RT	
50.0	173+00.00	173+50.00	RT	
50.0	173+50.00	174+00.00	RT	
50.0	174+00.00	174+50.00	RT	
33.0	174+50.00	174+83.30	RT	
113.0	BRIDGE		RT	
3.0	175+97.38	176+00.00	RT	
50.0	176+00.00	176+50.00	RT	
50.0	176+50.00	177+00.00	RT	
50.0	177+00.00	177+50.00	RT	
50.0	177+50.00	178+00.00	RT	
50.0	178+00.00	178+50.00	RT	
56.0	178+50.00	179+00.00	RT	
56.5	179+00.00	179+50.00	RT	
<b>1076</b>	<b>TOTAL</b>			

**89502380 REMOVE EXISTING HANDHOLE**

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
1	179+11.8		30.1	KANE COUNTY FIBER OPTICS
<b>1</b>	<b>TOTAL</b>			

**K0036120 MULCH PLACEMENT 4"**

SQ YD	STATION	OFFSET	TREE SIZE	COMMENTS
8.4	176+29.4	125.1' RT	24"	4' CIRCLE OUTSIDE
7.9	176+40.1	95.6' RT	20"	TREE TRUCK
7.9	176+56.3	74.0' RT	20"	
7.7	177+20.3	88.1' RT	18"	
<b>32</b>	<b>TOTAL</b>			

**X0324256 FIBER OPTIC CABLE SPLICE**

EACH	LOCATION	OFFSET	COMMENTS
1.0	169+11.0	37.2' RT	
1.0	179+11.8	30.1' RT	
<b>2.0</b>	<b>TOTAL (LOCAL)</b>		

**X4021000 TEMPORARY ACCESS (PRIVATE ENTRANCE)**

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
1	176+86.4	LT		RESIDENTIAL DRIVEWAY
1	178+14.6	LT		RESIDENTIAL DRIVEWAY
<b>2</b>	<b>TOTAL</b>			

**X4022000 TEMPORARY ACCESS (COMMERCIAL ENTRANCE)**

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
1	178+80.0		RT	JERICO LAKE PARK
<b>1</b>	<b>TOTAL</b>			

**X8710039 FIBER OPTIC CABLE 144 FIBERS, SINGLE MODE**

FOOT	LOCATION	LOCATION	O/S	COMMENTS
164.5	169+00.00	170+50.00	RT	KANE COUNTY FIBER OPTICS
50.0	170+50.00	171+00.00	RT	
50.0	171+00.00	171+50.00	RT	
50.0	171+50.00	172+00.00	RT	
50.0	172+00.00	172+50.00	RT	
50.0	172+50.00	173+00.00	RT	
50.0	173+00.00	173+50.00	RT	
50.0	173+50.00	174+00.00	RT	
50.0	174+00.00	174+50.00	RT	
33.0	174+50.00	174+83.30	RT	
113.0	BRIDGE		RT	
3.0	175+97.38	176+00.00	RT	
50.0	176+00.00	176+50.00	RT	
50.0	176+50.00	177+00.00	RT	
50.0	177+00.00	177+50.00	RT	
50.0	177+50.00	178+00.00	RT	
50.0	178+00.00	178+50.00	RT	
56.0	178+50.00	179+00.00	RT	
56.5	179+00.00	179+50.00	RT	
<b>1076</b>	<b>TOTAL</b>			

**X8950510 REMOVE FIBER OPTIC CABLE FROM CONDUIT**

FOOT	LOCATION	LOCATION	O/S	COMMENTS
139.1	169+00.00	170+50.00	RT	KANE COUNTY FIBER OPTICS
50.0	170+50.00	171+00.00	RT	
50.0	171+00.00	171+50.00	RT	
50.0	171+50.00	172+00.00	RT	
50.0	172+00.00	172+50.00	RT	
50.0	172+50.00	173+00.00	RT	
50.0	173+00.00	173+50.00	RT	
50.0	173+50.00	174+00.00	RT	
50.0	174+00.00	174+50.00	RT	
83.9	174+50.00	174+83.30	RT	
64.4	BRIDGE		RT	
2.6	175+97.38	176+00.00	RT	
50.1	176+00.00	176+50.00	RT	
50.4	176+50.00	177+00.00	RT	
50.0	177+00.00	177+50.00	RT	
50.0	177+50.00	178+00.00	RT	
50.1	178+00.00	178+50.00	RT	
50.1	178+50.00	179+00.00	RT	
26.9	179+00.00	179+50.00	RT	
<b>1018</b>	<b>TOTAL</b>			

**XX005633 ENTRY SIGNAGE**

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
1	178+41.3		66.2	JERICO LAKE PROPOSED ENTRANCE SIGN
<b>1</b>	<b>TOTAL</b>			

**XX007562 SIGN REMOVAL, SPECIAL**

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

**XX008811 GATE, SPECIAL**

EACH	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
1	4+55.0	2.8		JERICO LAKE ENTRANCE GATES
1	4+55.0		2.8	
1	4+55.0		31.6	
<b>3</b>	<b>TOTAL</b>			

**Z0055905 TEMPORARY CONSTRUCTION FENCE**

FOOT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
500				RE'S DISCRETION AND MAINTENANCE
<b>500</b>	<b>TOTAL</b>			

FILE NAME: W:\N\Projects\2011\1102202 - JerichoLake\Drawings\Quantity\Schedule.tbl



# REMOVAL SCHEDULE

LOCATION	44000100	44000200	50105220	56400500	63200310	X0300249	X0323697	X5610654	X5610662	X5610666	X0325003	XX005896	Z0022810
	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, 4"	WATER MAIN TO BE ABANDONED, 12"	WATER MAIN TO BE ABANDONED, 16"	REMOVE EXISTING VALVE AND VAULT	CONCRETE PAD REMOVAL	FENCE REMOVAL (SPECIAL)
	(SQ YD)	(SQ YD)	(FOOT)	(EACH)	(FOOT)	(EACH)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(SQ FT)	(FOOT)
<b>JERICHO ROAD</b>													
169+00.00 - 169+50.00													
169+50.00 - 170+00.00							81.10						
170+00.00 - 170+50.00							50.00						17.00
170+50.00 - 171+00.00	39.92						50.60						
171+00.00 - 171+50.00	122.72						50.20			31.80			
171+50.00 - 172+00.00	121.75						31.5			50.00			
172+00.00 - 172+50.00	122.67									50.00			
172+50.00 - 173+00.00	123.78									50.00			
173+00.00 - 173+50.00	125.96			1					43.10	50.20			
173+50.00 - 174+00.00	124.06								50.15	50.10			
174+00.00 - 174+50.00	143.03				33.3				55.10	54.40			
174+50.00 - 174+83.30	140.29			1	60.1				33.40	7.40			
<b>BRIDGE OMMISION</b>													
175+97.30 - 176+00.00	73.73		7.78		37.2		21.5		5.70	2.90			
176+00.00 - 176+50.00	209.94		32.63		70.1		55.4		52.50	53.90			
176+50.00 - 177+00.00	144.13	71.26				1	19.6		50.10	50.90	2	61.88	
177+00.00 - 177+50.00	129.08	6.09	19.87	1		1	31.1		50.10	50.10			91.60
177+50.00 - 178+00.00	128.56	14.23						51.0	50.10	50.03			30.40
178+00.00 - 178+50.00	126.79	89.83	24.20						50.10	50.00			
178+50.00 - 179+00.00	124.86								50.10	50.00			
179+00.00 - 179+50.00	126.80		17.92						50.10	10.00			
179+50.00 - 180+00.00	138.70								55.70				
180+00.00 - 180+50.00													
180+50.00 - 181+00.00													
<b>JERICHO LAKE PARK ENTRANCE</b>													
1+00.00 - 1+50.00	62.01												
1+50.00 - 2+00.00	159.76												
2+00.00 - 2+50.00	326.80												
2+50.00 - 3+00.00	33.69												
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													
<b>TOTAL</b>	<b>2849.06</b>	<b>181.41</b>	<b>102.40</b>	<b>3.00</b>	<b>200.73</b>	<b>2.00</b>	<b>390.99</b>	<b>51.00</b>	<b>613.25</b>	<b>661.73</b>	<b>2.00</b>	<b>61.88</b>	<b>139.00</b>
<b>ADJUSTED TOTAL</b>	<b>2,850</b>	<b>182</b>	<b>103</b>	<b>3</b>	<b>201</b>	<b>2</b>	<b>391</b>	<b>51</b>	<b>614</b>	<b>662</b>	<b>2</b>	<b>62</b>	<b>139</b>

FILE NAME: \\A:\Projects\2011\112202 - JerichoPark\Drawings\Drawings\Sched\SCHEDULE.E.dwg



USER NAME = nbarris	DESIGNED - SBP	REVISED -
	DRAWN - NDP	REVISED -
PLOT SCALE = 1:1	CHECKED - SBP	REVISED -
PLOT DATE = 12/11/2014	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET NO. 4 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	14
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

# PAVEMENT SCHEDULE

LOCATION	30300112	31101100	31101200	35102200	35501308	40600275	40603080	40603335	42001430	48101500	48203013	48203021	60600605
	AGGREGATE SUBGRADE IMPROVEMENT 12"	SUBBASE GRANULAR MATERIAL, TYPE B	SUBBASE GRANULAR MATERIAL, TYPE B 4"	AGGREGATE BASE COURSE, TYPE B, 10"	HOT-MIX ASPHALT BASE COURSE, 6"	BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT BINDER COURSE, IL- 19.0, 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"	CONCRETE CURB, TYPE B
	(SQ YD)	(CU YD)	(SQ YD)	(SQ YD)	(SQ YD)	(POUND)	(TON)	(TON)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)
<b>JERICO ROAD</b>													
169+00.00 - 169+50.00													
169+50.00 - 170+00.00													
170+00.00 - 170+50.00													
170+50.00 - 171+00.00	47.34					126.03	20.26	4.9		6.67			
171+00.00 - 171+50.00	213.63	2.01				570.68	77.13	22.4		2.44		36.11	
171+50.00 - 172+00.00	276.01	2.86				739.22	98.31	29.42				51.53	
172+00.00 - 172+50.00	290.32	3.66				777.85	98.31	31.02				65.87	
172+50.00 - 173+00.00	285.64	3.40				765.19	98.31	30.49				61.11	
173+00.00 - 173+50.00	288.14	3.64				771.97	97.43	30.78				65.60	
173+50.00 - 174+00.00	317.52	6.69				858.60	93.33	35.88				120.38	
174+00.00 - 174+50.00	365.92	6.90				969.25	101.20	36.32	35.24			112.18	
174+50.00 - 174+83.30	10.06	0.23				22.64		3.04	25.69		7.03		
<b>BRIDGE OMMISION</b>													
175+97.30 - 176+00.00		4.49									8.14		
176+00.00 - 176+50.00	174.90	2.94				463.30	33.80	17.37	60.37			40.24	
176+50.00 - 177+00.00	356.16	7.92				955.63	91.47	38.40				142.59	
177+00.00 - 177+50.00	314.43	5.61				842.89	91.47	33.70				100.93	
177+50.00 - 178+00.00	241.64	0.73				646.40	98.26	25.56				13.11	
178+00.00 - 178+50.00	235.55					630.00	101.42	24.89					
178+50.00 - 179+00.00	235.44					629.75	101.42	24.89					
179+00.00 - 179+50.00	235.56					630.00	101.42	24.89					
179+50.00 - 180+00.00	219.00					585.25	93.97	23.02					
180+00.00 - 180+50.00													
180+50.00 - 181+00.00													
<b>PRIVATE ENTRANCES (P.E.)</b>													
176+86.40 LT			35.61		32.00	94.52		3.6					
178+14.60 LT			102.43		94.30	272.89		10.6					
<b>JERICO LAKE PARK ENTRANCE</b>													
1+00.00 - 1+50.00				74.14		166.81	9.71	5.74					
1+50.00 - 2+00.00				144.44		355.77	18.93	11.20					
2+00.00 - 2+50.00				144.44		385.00	18.93	11.20					
2+50.00 - 3+00.00				144.44		385.00	18.93	11.20					
3+00.00 - 3+50.00				144.44		385.00	18.93	11.20					
3+50.00 - 3+81.50				114.28		317.13	14.67	8.86					
3+81.50 - 4+00.00	77.26					221.28	20.70	6.71					
4+00.00 - 4+50.00	232.01					548.97	101.54	24.89					80.6
4+50.00 - 5+00.00	314.11					806.75	140.71	35.08					23.8
<b>TOTAL</b>	<b>4,730.65</b>	<b>55.57</b>	<b>138.03</b>	<b>766.20</b>	<b>126.30</b>	<b>14923.77</b>	<b>1760.58</b>	<b>577.15</b>	<b>121.30</b>	<b>9.11</b>	<b>15.17</b>	<b>809.65</b>	<b>104.40</b>
<b>ADJUSTED TOTAL</b>	<b>4,731.0</b>	<b>56.0</b>	<b>139.0</b>	<b>767.0</b>	<b>127.0</b>	<b>14,925.0</b>	<b>1,761.0</b>	<b>578.0</b>	<b>122.0</b>	<b>10.0</b>	<b>16.0</b>	<b>810.0</b>	<b>105.0</b>

FILE NAME: M:\Projects\2011\112222 Jericho\PH\Used\Grid\Drawings\Sched\SCHEDULE.dwg

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

USER NAME: mharris	DESIGNED: SBP	REVISED: -
PLOT SCALE: 1/4"	CHECKED: SBP	REVISED: -
PLOT DATE: 12/11/2014	DATE: 12/15/2014	REVISED: -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET NO. 5 OF 10 SHEETS STA. TO STA.

F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 15
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

# PAVEMENT MARKING & GUARDRAIL SCHEDULE

LOCATION	63000001	63100085	63100167	X0640200	78009000	78009004	78009008	78009012	78009024
	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)
<b>JERICO ROAD</b>									
169+00.00 - 169+50.00						22.5			
169+50.00 - 170+00.00						112.5			
170+00.00 - 170+50.00						112.5			
170+50.00 - 171+00.00						112.5			
171+00.00 - 171+50.00						112.5			
171+50.00 - 172+00.00						112.5			
172+00.00 - 172+50.00			1			112.5			
172+50.00 - 173+00.00	43.9					112.5			
173+00.00 - 173+50.00	50.0					112.5			
173+50.00 - 174+00.00	50.0		1			112.5			
174+00.00 - 174+50.00	31.1					112.5			
174+50.00 - 174+83.30		2				74.9			
<b>BRIDGE OMMISION</b>									
175+97.30 - 176+00.00		1				256.5			
176+00.00 - 176+50.00						6.1			
176+50.00 - 177+00.00			1	1		112.5			
177+00.00 - 177+50.00						112.5			
177+50.00 - 178+00.00						112.5			
178+00.00 - 178+50.00						112.5			
178+50.00 - 179+00.00						162.5			
179+00.00 - 179+50.00						162.5			
179+50.00 - 180+00.00						162.5			
180+00.00 - 180+50.00						162.5			
180+50.00 - 181+00.00						162.5			
<b>JERICO LAKE PARK ENTRANCE</b>									
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						37.0			
3+50.00 - 3+81.50						130.1			
3+81.50 - 4+00.00						100.0	3.5		
4+00.00 - 4+50.00						109.6	43.5	41.0	
4+50.00 - 5+00.00					72.8		118.0	62.0	36.8
<b>TOTAL</b>	<b>175.0</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>72.8</b>	<b>3236.7</b>	<b>165.0</b>	<b>103.0</b>	<b>36.8</b>
<b>ADJUSTED TOTAL</b>	<b>175</b>	<b>3</b>	<b>3</b>	<b>1</b>	<b>73</b>	<b>3,237</b>	<b>165</b>	<b>103</b>	<b>37</b>

FILE NAME: W:\P\projects\2011\112282 - Jericho Park\Drawings\ASCHEDULE.dwg

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

USER NAME = nparris	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:1	DRAWN - NDP	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE:	SHEET NO. 6 OF 10 SHEETS	STA. TO STA.
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F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 16
CONTRACT NO. 63873			ILLINOIS FED. AID PROJECT	



# EROSION CONTROL SCHEUDLE

LOCATION	25100630	28000250	28000305	28000315	28000400	28000500	28001100	28100105	28100107	28200200
	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING (SEE NOTE)	TEMPORARY DITCH CHECKS	AGGREGATE DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	TEMPORARY EROSION CONTROL BLANKET	STONE RIPRAP, CLASS A3	STONE RIPRAP, CLASS A4	FILTER FABRIC
	(SQ YD)	(POUND)	(FOOT)	(TON)	(FOOT)	(EACH)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
<b>JERICHO ROAD</b>										
169+00.00 - 169+50.00	78.4	6.5			39.2		78.4			
169+50.00 - 170+00.00	266.7	22.0			92.1		266.7			
170+00.00 - 170+50.00	247.9	20.5			100.0		247.9			
170+50.00 - 171+00.00	323.5	26.7	10.0		100.0		323.5			
171+00.00 - 171+50.00	464.2	38.4	10.0		100.0		464.2			
171+50.00 - 172+00.00	404.0	33.4	10.0		100.0		404.0			
172+00.00 - 172+50.00	389.7	32.2	10.0		100.0		389.7			
172+50.00 - 173+00.00	449.1	37.1	10.0		110.0		449.1			
173+00.00 - 173+50.00	447.5	37.0	10.0		100.0		447.5			
173+50.00 - 174+00.00	401.8	33.2	10.0		100.0		401.8			
174+00.00 - 174+50.00	397.9	32.9		1.3	100.0		397.9			
174+50.00 - 174+83.30	232.4	19.2			66.6		232.4			
<b>BRIDGE OMMISION</b>										
175+97.30 - 176+00.00	408.1	33.7			143.9		408.1		869.0	869.0
176+00.00 - 176+50.00	615.3	50.9	30.0		5.4		615.3			
176+50.00 - 177+00.00	804.8	66.5	10.0		247.1		804.8			
177+00.00 - 177+50.00	688.4	56.9			92.8		688.4	4.6		4.6
177+50.00 - 178+00.00	732.8	60.6	10.0		120.9	1	732.8			
178+00.00 - 178+50.00	669.5	55.3	10.0		84.2		669.5			
178+50.00 - 179+00.00	369.7	30.6			77.4		369.7			
179+00.00 - 179+50.00	653.2	54.0			108.0		653.2			
179+50.00 - 180+00.00	405.6	33.5	10.0		175.5		405.6			
180+00.00 - 180+50.00					179.7					
180+50.00 - 181+00.00										
<b>JERICHO LAKE PARK ENTRANCE</b>										
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	2.7	30.0				32.4			
4+50.00 - 5+00.00	7.6	0.6					7.6			
<b>MAINTENANCE</b>										
	100.0		50.0	1.0	200.0	1	100.0			
<b>TOTAL</b>	<b>9,590.6</b>	<b>784.4</b>	<b>290.0</b>	<b>2.3</b>	<b>2,542.8</b>	<b>2</b>	<b>9591</b>	<b>4.6</b>	<b>869.0</b>	<b>873.6</b>
<b>ADJUSTED TOTAL</b>	<b>9,591</b>	<b>785</b>	<b>290</b>	<b>3</b>	<b>2,543</b>	<b>2</b>	<b>9,591</b>	<b>5</b>	<b>869</b>	<b>874</b>

NOTE: CALCULATION BASED ON 4 APPLICATIONS TO ALL AREAS TO BE SEEDED.

FILE NAME: M:\Projects\2011\1102202 - JerichoLakePark\Drawings\Civil\02\EROSION CONTROL SCHEDULE.dwg



USER NAME: r.parrish	DESIGNED: SBP	REVISED: -
	DRAWN: NDP	REVISED: -
PLOT SCALE: 1/1"	CHECKED: SBP	REVISED: -
PLOT DATE: 12/11/2014	DATE: 12/15/2014	REVISED: -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET NO. 7 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	17
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

# SEEDING SCHEDULE

LOCATION	TOPSOIL FURNISH AND PLACE	21101665 TOPSOIL FURNISH AND PLACE, 18"	25000100 SEEDING, CLASS 1 (SEE NOTE)	25000210 SEEDING, CLASS 2A (SEE NOTE)	25000310 SEEDING, CLASS 4	25000312 SEEDING, CLASS 4A	25000320 SEEDING, CLASS 5	25000324 SEEDING, CLASS 5B	25000400 NITROGEN FERTILIZER NUTRIENT	25000500 PHOSPHORUS FERTILIZER NUTRIENT	25000600 POTASSIUM FERTILIZER NUTRIENT	X2501800 SEEDING, CLASS 4 (MODIFIED)	
		(SQ YD)	(ACRE)	(ACRE)	(ACRE)	(ACRE)	(ACRE)	(ACRE)	(POUND)	(POUND)	(POUND)	(ACRE)	
<b>JERICO ROAD</b>													
169+00.00 - 169+50.00				0.02					1.5	1.5	1.5		
169+50.00 - 170+00.00				0.03	0.03		0.03		2.4	2.4	2.4		
170+00.00 - 170+50.00				0.03	0.02		0.02		2.5	2.5	2.5		
170+50.00 - 171+00.00				0.04	0.02		0.02	0.00	3.9	3.9	3.9		
171+00.00 - 171+50.00				0.07	0.02		0.01	0.01	6.6	6.6	6.6		
171+50.00 - 172+00.00				0.04	0.04		0.02	0.02	3.6	3.6	3.6		
172+00.00 - 172+50.00				0.02	0.06		0.04	0.02	2.1	2.1	2.1		
172+50.00 - 173+00.00				0.02	0.07		0.05	0.02	2.1	2.1	2.1		
173+00.00 - 173+50.00				0.02	0.07		0.04	0.03	2.0	2.0	2.0		
173+50.00 - 174+00.00				0.01	0.08		0.05	0.03	0.6	0.6	0.6		
174+00.00 - 174+50.00					0.08		0.05	0.03				0.01	
174+50.00 - 174+83.30					0.03		0.02	0.01				0.08	
<b>BRIDGE OMMISION</b>													
175+97.30 - 176+00.00	<b>SEE EARTHWORK SCHEDULE</b>		0.05	0.02	0.03	0.03	0.03		4.1	4.1	4.1		
176+00.00 - 176+50.00		0.07	0.01	0.03	0.05	0.03		7.5	7.5	7.5			
176+50.00 - 177+00.00		0.04	0.06	0.01	0.04	0.01		8.9	8.9	8.9			
177+00.00 - 177+50.00		0.04	0.07		0.04			10.4	10.4	10.4			
177+50.00 - 178+00.00		0.06	0.06		0.02			10.8	10.8	10.8			
178+00.00 - 178+50.00		0.03	0.04	0.01		0.01		6.0	6.0	6.0			
178+50.00 - 179+00.00		0.06	0.05	0.02		0.02		10.1	10.1	10.1			
179+00.00 - 179+50.00			0.06	0.02		0.02		5.5	5.5	5.5			
179+50.00 - 180+00.00													
180+00.00 - 180+50.00													
180+50.00 - 181+00.00													
<b>JERICO LAKE PARK ENTRANCE</b>													
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			
<b>TOTAL</b>		40.1	0.36	0.68	0.66	0.17	0.49	0.17	97.1	97.1	97.1	0.09	
<b>ADJUSTED TOTAL</b>		41	0.40	0.70	0.70	0.20	0.50	0.20	98	98	98	0.10	

NOTE: FERTILIZER NUTRIENTS ARE ONLY REQUIRED FOR CLASS 1 AND CLASS 2A SEEDING AREAS.

FILE NAME: W:\P\Projects\2011\12202 - Jericho Lake Park Entrance\Drawings\Civil\Drawings\Sched.dwg



USER NAME: mparris	DESIGNED: SBP	REVISED:
DRAWN: NDP	REVISED:	
PLOT SCALE: 1/1	CHECKED: SBP	REVISED:
PLOT DATE: 12/11/2014	DATE: 12/15/2014	REVISED:

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET NO. 8 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	18
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

# LANDSCAPING SCHEDULE

	A2001724	A2005030	A2005670	A2006420	A2006726	B2000668	B2004170	Z0055900
LOCATION	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)
<b>JERICHO ROAD</b>								
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								34.0
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								
<b>BRIDGE OMMISION</b>								
175+97.30 - 176+00.00								15.0
176+00.00 - 176+50.00								3.0
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	32.0
178+50.00 - 179+00.00	2							
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								
<b>JERICHO LAKE PARK ENTRANCE</b>								
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								
<b>TOTAL</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>540.0</b>
<b>ADJUSTED TOTAL</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>540</b>

FILE NAME: M:\Projects\2811\182282 JerichoParkEntrance\Drawings\Sched\SCHEDULE.dgn



USER NAME = ndorris	DESIGNED - SBP	REVISED -
PLOT SCALE = 1/4"	DRAWN - NDP	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET NO. 9 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	19
CONTRACT NO. 63873				
[ILLINOIS] FED. AID PROJECT				

# WATER MAIN SCHEDULE

	56100500	56100600	56100900	56101000	56104800	56105200	56105760	56400820	60248700	60248900	X2090215	X5620030	X5630704	X5630712	X5630716	Z0041900	Z0045400
LOCATION	WATER MAIN 4"	WATER MAIN 6"	WATER MAIN 12"	WATER MAIN 16"	WATER VALVES 4"	WATER VALVES 12"	BUTTERFLY VALVES 16"	FIR HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	SELECT GRANULAR BACKFILL, SPECIAL	WATER SERVICE CONNECTION 1"	CONNECTION TO EXISTING WATER MAIN 4"	CONNECTION TO EXISTING WATER MAIN 12"	CONNECTION TO EXISTING WATER MAIN 16"	POLYETHYLENE ENCASEMENT	PRESSURE CONNECTION 16" X 16"
	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(CU YD)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)	(FOOT)
<b>JERICHO ROAD</b>																	
169+00.00 - 169+50.00								1								5.0	
169+50.00 - 170+00.00																	
170+00.00 - 170+50.00		5.0															
170+50.00 - 171+00.00																	33.5
171+00.00 - 171+50.00				33.5												1	50.0
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													98.6
173+00.00 - 173+50.00		3.0	45.6	50.0		1		1		1				1			104.0
173+50.00 - 174+00.00		4.0	50.0	50.0				1									100.0
174+00.00 - 174+50.00			50.0	50.0													43.8
174+50.00 - 174+83.30			33.3	10.5											1		21.1
<b>BRIDGE OMISSION</b>																	
175+97.30 - 176+00.00			5.4	2.9										1	1		8.3
176+00.00 - 176+50.00			50.0	50.0													100.0
176+50.00 - 177+00.00			50.0	50.0													100.0
177+00.00 - 177+50.00	29.0		50.0	50.0	1		1		1	1	15.8			1			129.0
177+50.00 - 178+00.00			50.0	50.0							14.4						114.0
178+00.00 - 178+50.00		14.0	50.0	50.0				1									119.3
178+50.00 - 179+00.00		17.0	50.0	52.3				1			65.0	1					72.3
179+00.00 - 179+50.00			50.0	22.3													59.0
179+50.00 - 180+00.00			59.0			1				2				1			1
180+00.00 - 180+50.00																	
180+50.00 - 181+00.00																	
<b>PRIVATE ENTRANCES (P.E.)</b>																	
176+86.40 LT											14.7						
178+14.60 LT											22.7						
<b>JERICHO LAKE PARK ENTR</b>																	
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																	
<b>TOTAL</b>	29.0	43.0	614.4	671.5	1	2	1	5	1	4	132.6	1	1	4	3	1357.9	1
<b>ADJUSTED TOTAL</b>	29	43	615	672	1	2	1	5	1	4	133	1	1	4	3	1,358	1

FILE NAME: W:\P\Projects\2011\102222 - JerichoPark\Drawings\DWG\56105200.dwg

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

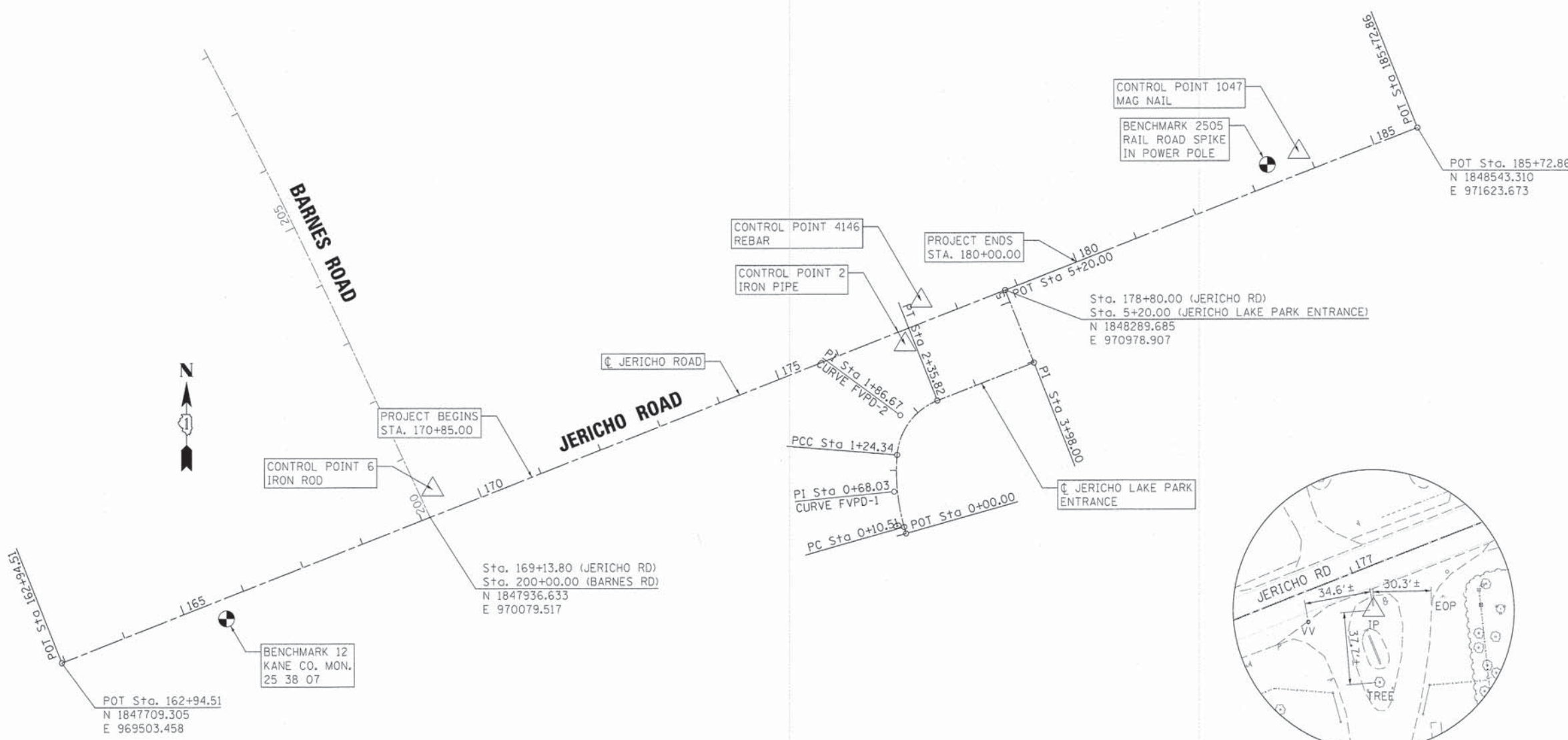
USER NAME = norris	DESIGNED - SBP	REVISED -
	DRAWN - NDP	REVISED -
PLOT SCALE = 1:1	CHECKED - SBP	REVISED -
PLOT DATE = 12/11/2014	DATE = 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE:	SHEET NO. 10 OF 10 SHEETS	STA.	TO STA.
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F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 20
CONTRACT NO. 63873				ILLINOIS FED. AID PROJECT

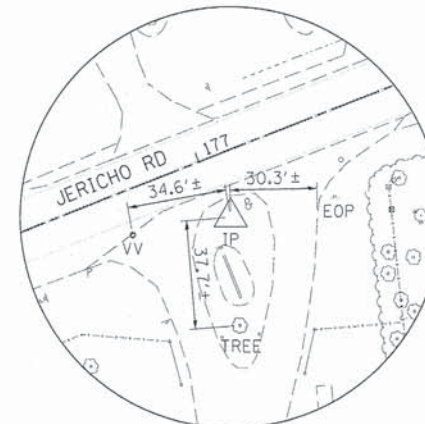


**ALIGNMENT DATA**

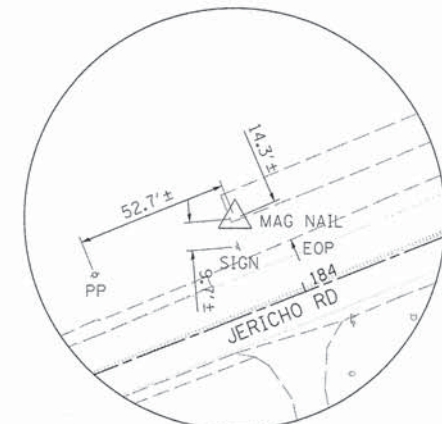
JERICHO LAKE PARK ENTRANCE			
POT STA.	0+00.00	N 1847909.023	E 970823.344
PC STA.	0+10.51	N 1847919.141	E 970820.495
PI STA.	0+68.03	N 1847974.509	E 970804.905
PCC STA.	1+24.34	N 1848031.839	E 970809.572
PT STA.	1+86.67	N 1848093.967	E 970814.630
PT STA.	2+35.82	N 1848116.784	E 970872.637
PI STA.	3+98.00	N 1848176.153	E 971023.564
POT STA.	5+20.00	N 1848289.685	E 970978.907

**CURVE DATA**

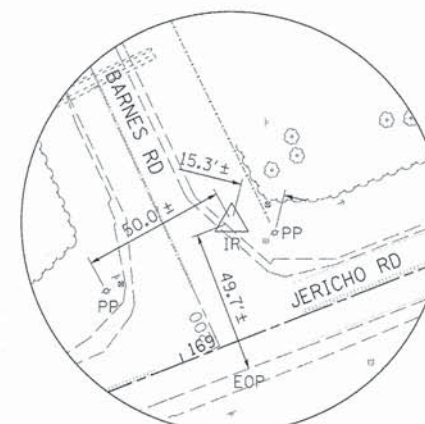
JERICHO LAKE PARK ENTRANCE			
PROP. CURVE	FVPD-1	PROP. CURVE	FVPD-2
PI STA.	= 0+68.03	PI STA.	= 1+86.67
$\Delta$	= 20° 22' 49" (RT)	$\Delta$	= 63° 52' 23" (RT)
D	= 17° 54' 18"	D	= 57° 17' 45"
R	= 320.00'	R	= 100.00'
T	= 57.52'	T	= 62.33'
L	= 113.82'	L	= 111.48'
E	= 5.13'	E	= 17.84'
P.C. STA.	= 0+10.51	P.C. STA.	= 1+24.34
P.T. STA.	= 1+24.34	P.T. STA.	= 2+35.82



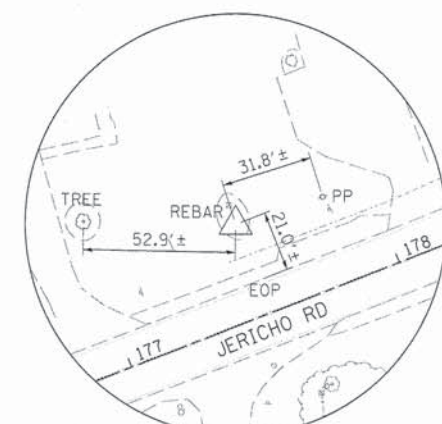
HORIZONTAL CONTROL POINT NO. 2



HORIZONTAL CONTROL POINT NO. 1047



HORIZONTAL CONTROL POINT NO. 6



HORIZONTAL CONTROL POINT NO. 4146

**LEGEND**

● = BENCH MARK LOCATION  
 ▲ = HORIZONTAL CONTROL POINT LOCATION

**HORIZONTAL CONTROL POINTS (NAD 83)**

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
2	1848204.549	970822.432	666.830*	JERICHO1	177+03.23	21.949' RT	IRON PIPE
1047	1848505.313	971438.344	662.535*	JERICHO1	183+86.48	32.481' LT	MAG NAIL
4146	1848273.380	970847.600	667.657*	JERICHO1	177+51.84	32.892' LT	REBAR
6	1847979.801	970083.786	664.186*	JERICHO1	169+33.58	39.289' LT	IRON ROD

**BENCH MARKS (NAVD 88)**

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
12	1847777.940	969761.120	667.658*	JERICHO1	165+59.41	30.448' RT	KANE CO. MONUMENT 25 38 07
2505	1848485.511	971388.942	662.017*	JERICHO1	183+33.26	32.138' LT	RAIL ROAD SPIKE IN POWER POLE

\*ELEVATIONS BASED ON FIELD SURVEY AND SHALL BE VERIFIED BY THE CONTRACTOR

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 DATE: 12/11/2014



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PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES & BENCHMARKS**

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

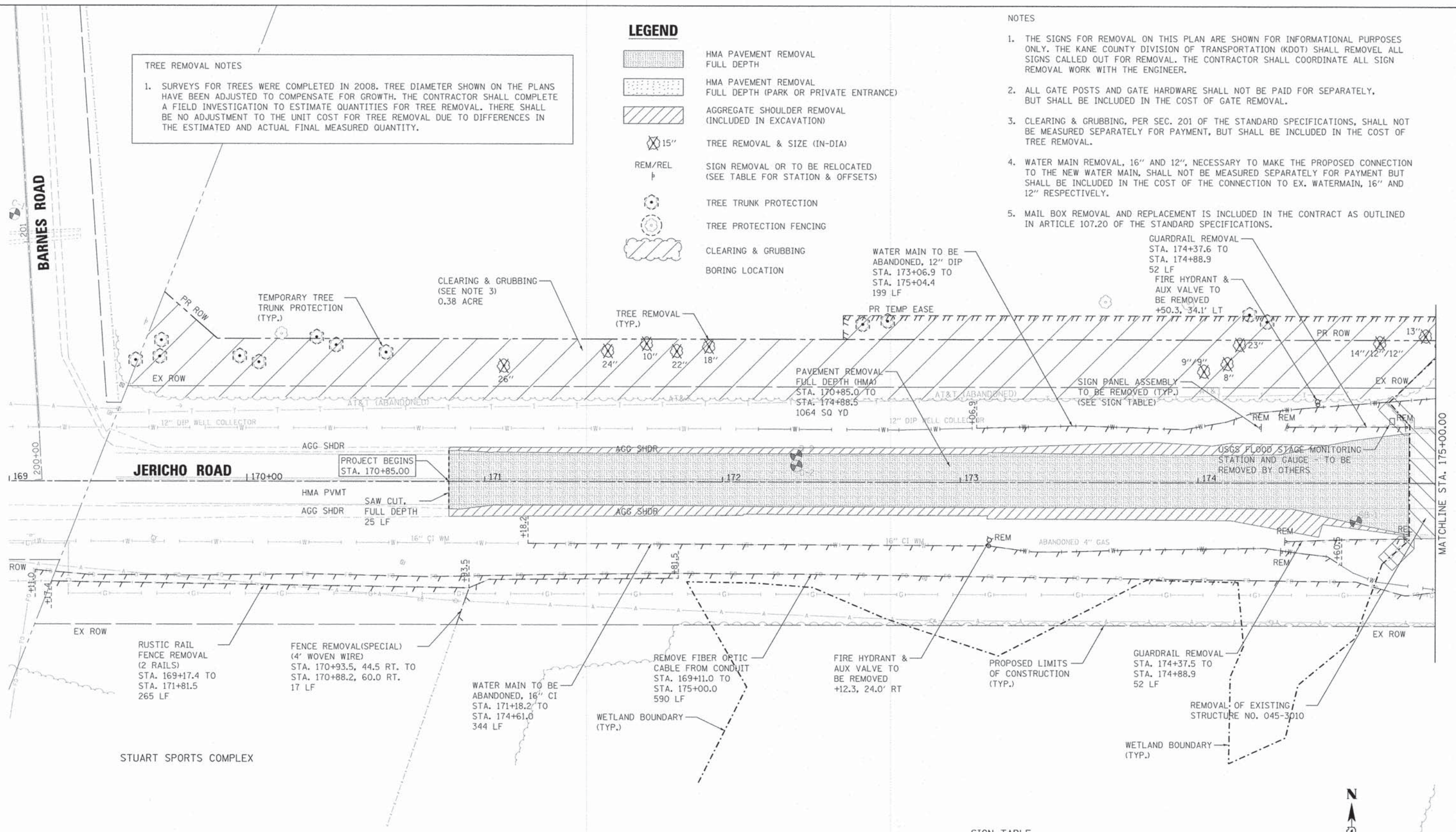
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	21
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

**TREE REMOVAL NOTES**

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.

- LEGEND**
- HMA PAVEMENT REMOVAL FULL DEPTH
  - HMA PAVEMENT REMOVAL FULL DEPTH (PARK OR PRIVATE ENTRANCE)
  - AGGREGATE SHOULDER REMOVAL (INCLUDED IN EXCAVATION)
  - 15" TREE REMOVAL & SIZE (IN-DIA)
  - REM/REL SIGN REMOVAL OR TO BE RELOCATED (SEE TABLE FOR STATION & OFFSETS)
  - TREE TRUNK PROTECTION
  - TREE PROTECTION FENCING
  - CLEARING & GRUBBING
  - BORING LOCATION

- NOTES**
- THE SIGNS FOR REMOVAL ON THIS PLAN ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) SHALL REMOVE ALL SIGNS CALLED OUT FOR REMOVAL. THE CONTRACTOR SHALL COORDINATE ALL SIGN REMOVAL WORK WITH THE ENGINEER.
  - ALL GATE POSTS AND GATE HARDWARE SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF GATE REMOVAL.
  - CLEARING & GRUBBING, PER SEC. 201 OF THE STANDARD SPECIFICATIONS, SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF TREE REMOVAL.
  - WATER MAIN REMOVAL, 16" AND 12", NECESSARY TO MAKE THE PROPOSED CONNECTION TO THE NEW WATER MAIN, SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE CONNECTION TO EX. WATERMAIN, 16" AND 12" RESPECTIVELY.
  - MAIL BOX REMOVAL AND REPLACEMENT IS INCLUDED IN THE CONTRACT AS OUTLINED IN ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.

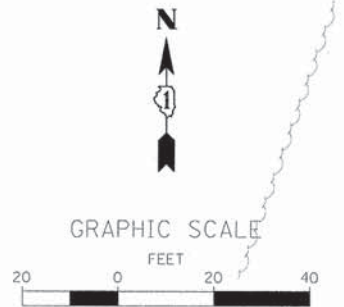


**TREE REPLACEMENT NOTES**

1. PROPOSED TREE PLANTING SUMMARY IS LOCATED ON THE LANDSCAPING PLAN SHEET.

**SIGN TABLE**

LOCATION STA., OFFSET	SIGN TYPE	DESCRIPTION	REMOVAL OR RELOCATE
174+26.2, 23.2' LT	W2-2, W16-8P	INTERSECTION WARNING, BARNES RD	REMOVAL
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



FILE NAME = W:\Projects\2011\18282 Jericho\PH\Road\Civil\Shr\REK\_B1.dgn



USER NAME = nporris	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/12/2014	CHECKED - SBP	REVISED -
	DATE = 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN**

SCALE: 1"=20'    SHEET NO. 1 OF 2 SHEETS    STA. 170+85.00 TO STA. 175+00.00

F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 22
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				






**SIGN TABLE**

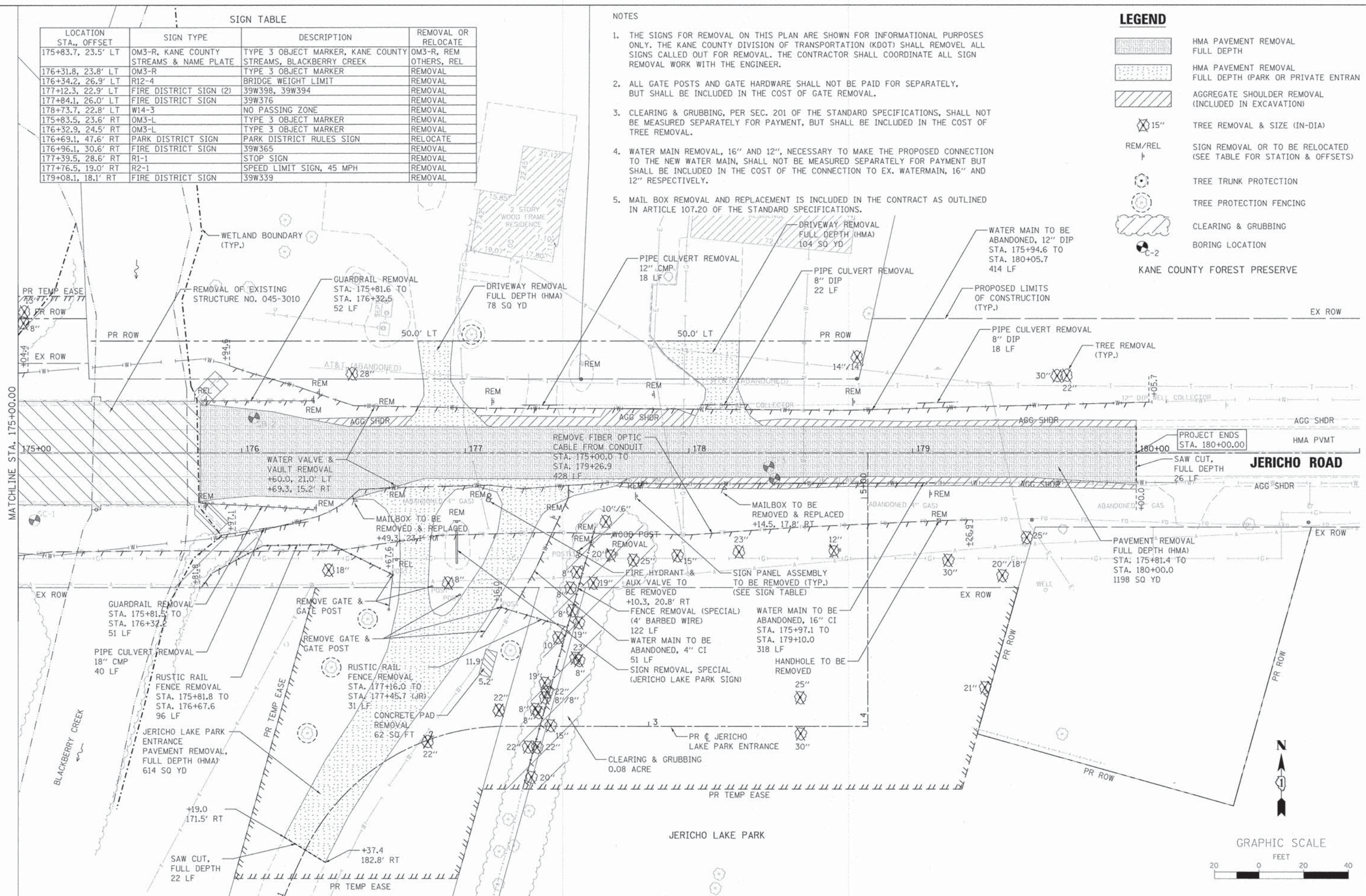
LOCATION STA., OFFSET	SIGN TYPE	DESCRIPTION	REMOVAL OR RELOCATE
175+83.7, 23.5' LT	OM3-R, KANE COUNTY STREAMS & NAME PLATE	TYPE 3 OBJECT MARKER, KANE COUNTY STREAMS, BLACKBERRY CREEK	OM3-R, REM OTHERS, REL
176+31.8, 23.8' LT	OM3-R	TYPE 3 OBJECT MARKER	REMOVAL
176+34.2, 26.9' LT	R12-4	BRIDGE WEIGHT LIMIT	REMOVAL
177+12.3, 22.9' LT	FIRE DISTRICT SIGN (2)	39W398, 39W394	REMOVAL
177+84.1, 26.0' LT	FIRE DISTRICT SIGN	39W376	REMOVAL
178+73.7, 22.8' LT	W14-3	NO PASSING ZONE	REMOVAL
175+83.5, 23.6' RT	OM3-L	TYPE 3 OBJECT MARKER	REMOVAL
176+32.9, 24.5' RT	OM3-L	TYPE 3 OBJECT MARKER	REMOVAL
176+69.1, 47.6' RT	PARK DISTRICT SIGN	PARK DISTRICT RULES SIGN	RELOCATE
176+96.1, 30.6' RT	FIRE DISTRICT SIGN	39W365	REMOVAL
177+39.5, 28.6' RT	R1-1	STOP SIGN	REMOVAL
177+76.5, 19.0' RT	R2-1	SPEED LIMIT SIGN, 45 MPH	REMOVAL
179+08.1, 18.1' RT	FIRE DISTRICT SIGN	39W339	REMOVAL

**NOTES**

1. THE SIGNS FOR REMOVAL ON THIS PLAN ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) SHALL REMOVE ALL SIGNS CALLED OUT FOR REMOVAL. THE CONTRACTOR SHALL COORDINATE ALL SIGN REMOVAL WORK WITH THE ENGINEER.
2. ALL GATE POSTS AND GATE HARDWARE SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF GATE REMOVAL.
3. CLEARING & GRUBBING, PER SEC. 201 OF THE STANDARD SPECIFICATIONS, SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF TREE REMOVAL.
4. WATER MAIN REMOVAL, 16" AND 12", NECESSARY TO MAKE THE PROPOSED CONNECTION TO THE NEW WATER MAIN, SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE CONNECTION TO EX. WATERMAIN, 16" AND 12" RESPECTIVELY.
5. MAIL BOX REMOVAL AND REPLACEMENT IS INCLUDED IN THE CONTRACT AS OUTLINED IN ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.

**LEGEND**

-  HMA PAVEMENT REMOVAL FULL DEPTH
-  HMA PAVEMENT REMOVAL FULL DEPTH (PARK OR PRIVATE ENTRANCE)
-  AGGREGATE SHOULDER REMOVAL (INCLUDED IN EXCAVATION)
-  15" TREE REMOVAL & SIZE (IN-DIA)
-  REM/REL SIGN REMOVAL OR TO BE RELOCATED (SEE TABLE FOR STATION & OFFSETS)
-  TREE TRUNK PROTECTION
-  TREE PROTECTION FENCING
-  CLEARING & GRUBBING
-  BORING LOCATION
-  KANE COUNTY FOREST PRESERVE



FILE NAME: W:\Projects\2011\18282 - Jericho\Plan\Road\Civil\Drawn\Shr\REPL.B2.dgn

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

USER NAME = nporris	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/12/2014	CHECKED - SBP	REVISED -
	DATE = 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN**

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. 175+00.00 TO STA. 180+00.00

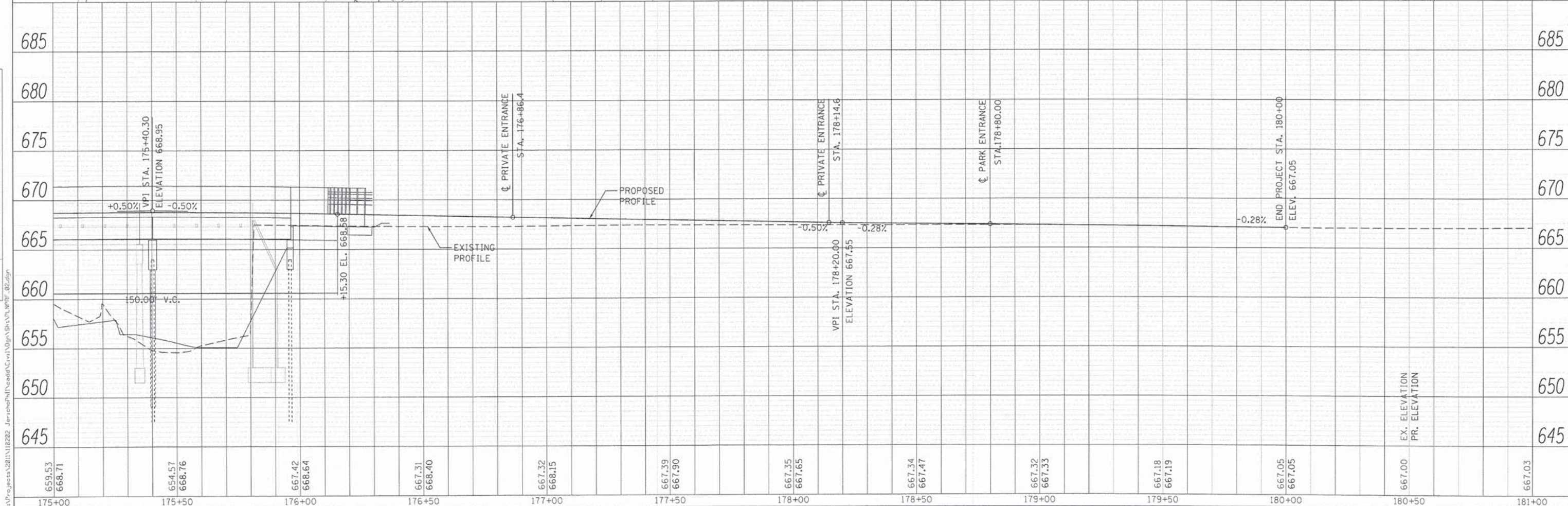
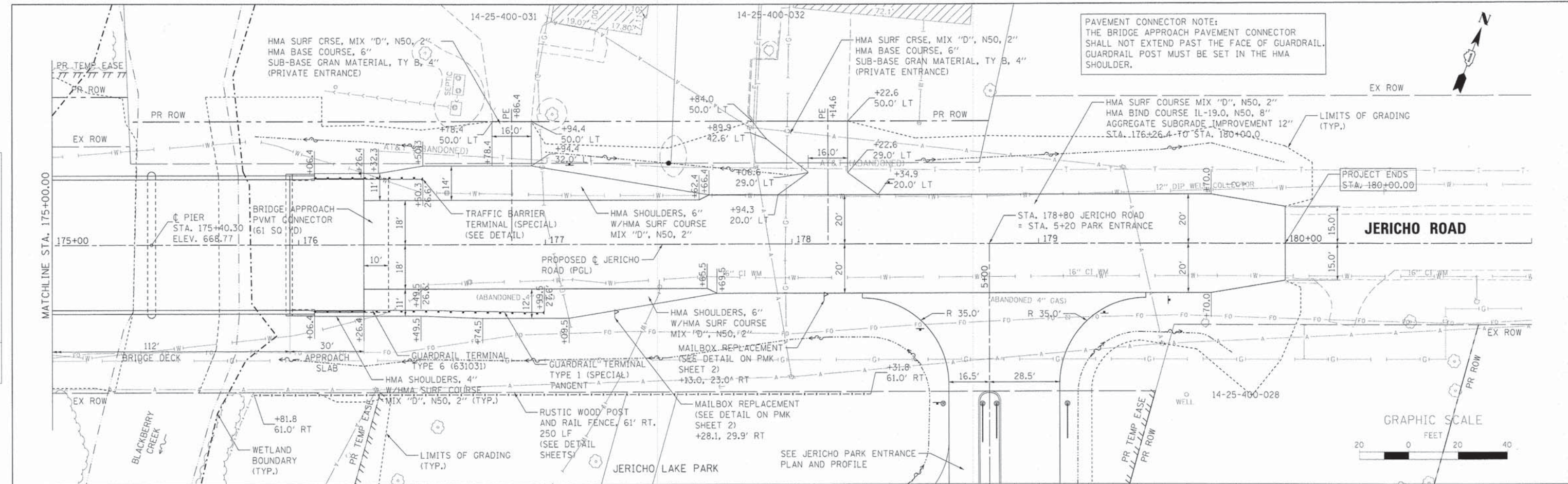
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	23
				CONTRACT NO. 63873
ILLINOIS FED. AID PROJECT				





PLAN	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	BY		
	DATE		

PROFILE	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	BY		
	DATE		



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

USER NAME = nparris	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

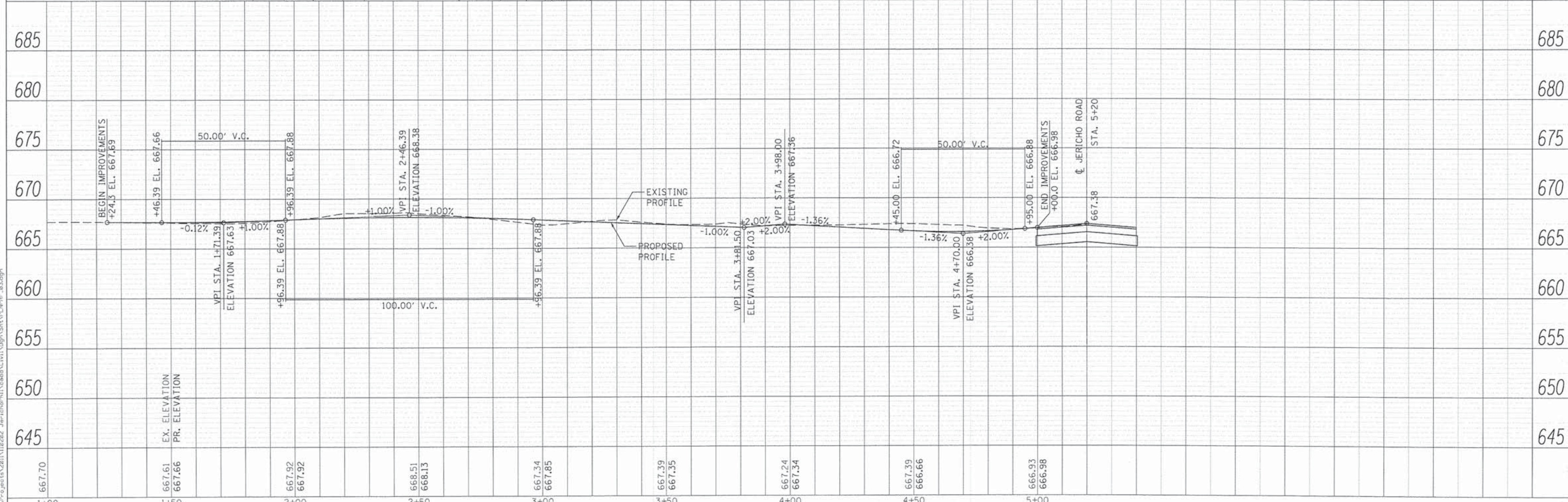
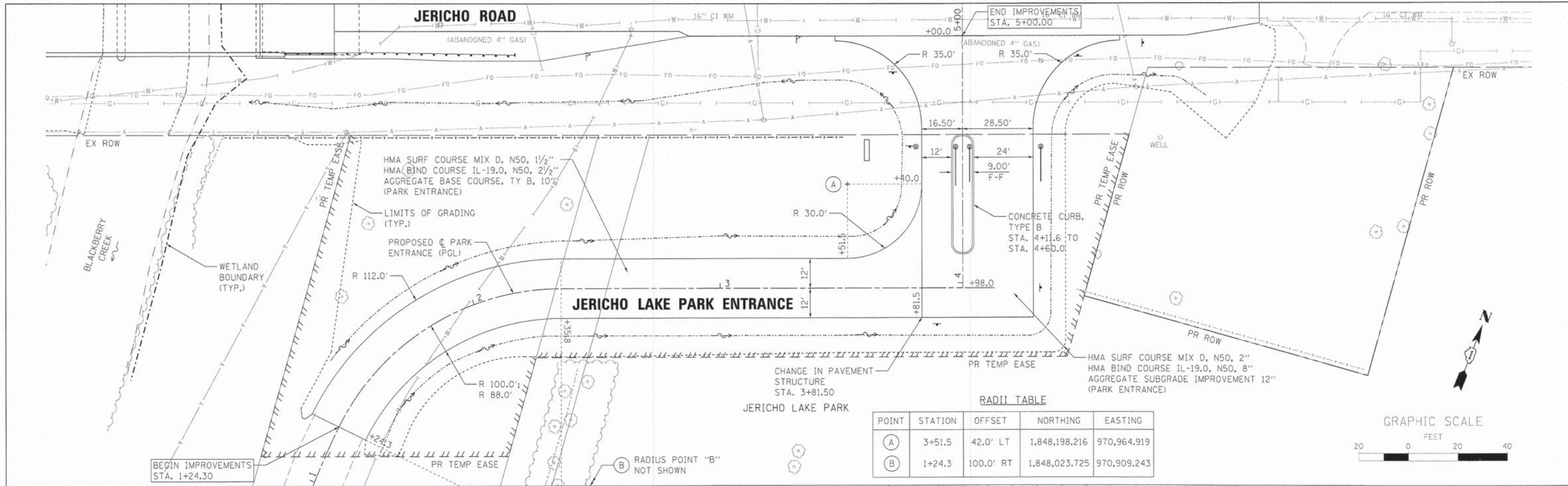
**PLAN & PROFILE**  
**JERICO ROAD**

SCALE: 1"=20'  
SHEET NO. 2 OF 3 SHEETS  
STA. 175+00.00 TO STA. 180+00.00

F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 25
CONTRACT NO. 63873			[ILLINOIS] FED. AID PROJECT	

DATE	
BY	
PLAN	SURVEYED
	IN DESIGN
	PLOTTED
	CHECKED
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	DATE: [DATE]
	NO. [NO.]
	FILE NAME

DATE	
BY	
PROFILE	SURVEYED
	IN DESIGN
	PLOTTED
	CHECKED
	BY: [NAME]
	DATE: [DATE]
	NO. [NO.]
	FILE NAME



**GENERAL NOTES:**

1. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS TO PRIVATE AND COMMERCIAL (JERICHO PARK) 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 ENGINEER AND PROPERTY OWNER A MINIMUM OF FORTY EIGHT (48) HOURS IN ADVANCE OF THE CLOSURE.
2. AGGREGATE SURFACE FOR TEMPORARY ACCESS WILL BE MEASURED FOR PAYMENT AS EACH FOR EVERY PRIVATE AND COMMERCIAL ENTRANCE CONSTRUCTED FOR THE PURPOSE OF TEMPORARY ACCESS. AGGREGATE SURFACE COURSE SHALL BE PAID FOR AT THE CONTRACT UNIT COST EACH FOR "TEMPORARY ACCESS (PRIVATE ENTRANCE)" OR "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)".

**TEMPORARY DETOUR DURATION**

THE CONTRACTOR WILL BE ALLOWED TO IMPLEMENT THE ROADWAY CLOSURE AND TEMPORARY DETOUR DETAILED IN THE PLANS BEGINNING ON THE FIRST DAY OF CONSTRUCTION FOR THE WATER MAIN. THE DETOUR WILL BE ALLOWED TO REMAIN IN PLACE UNTIL AUGUST 28, 2015. THE CONTRACTOR WILL BE EXPECTED TO COMPLETE ALL THE PROPOSED WORK RELATED TO THE CONSTRUCTION OF THE PROPOSED WATER MAIN, 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 GUARDRAIL ARE NOT COMPLETED IN THE ALLOWED TIME, ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR THE COMPLETION OF REMAINING CONSTRUCTION OPERATIONS WILL BE AT THE CONTRACTOR'S EXPENSE.

**CHANGEABLE MESSAGE SIGN, SPECIAL**

THE CONTRACTOR SHALL PLACE ELECTRONIC CHANGEABLE MESSAGE SIGNS ON THE EAST AND WEST SIDE OF THE PROJECT TO WARN THE PUBLIC OF THE PENDING ROAD CONSTRUCTION AND ROAD CLOSURES. THE MESSAGE BOARDS WILL BE PLACED ON JERICHO ROAD ONLY AND WILL NEED TO BE PLACED AND SET OUT SEVEN (7) DAYS IN ADVANCE OF THE ANTICIPATED FIRST DAY OF CONSTRUCTION. THE CHANGEABLE MESSAGE SIGNS WILL REMAIN IN PLACE AFTER THE FIRST DAY OF SETUP FOR FOURTEEN (14) CALENDAR DAYS (TOTAL) TO WARN OF THE CONSTRUCTION ACTIVITIES AND CLOSURE. THE CONTRACTOR WILL COORDINATE WITH THE 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 ENGINEER. THERE WILL BE NO ADDITIONAL COMPENSATION FOR CHANGING OF THE MESSAGE. THE MESSAGE BOARDS WILL BE PAID FOR AS "CHANGEABLE MESSAGE SIGN, SPECIAL" PER CALENDAR DAY FOR EACH MESSAGE SIGN UTILIZED.

**TEMPORARY INFORMATION SIGNING**

THE CONTRACTOR SHALL ERECT TEMPORARY INFORMATION SIGNS ON THE EAST AND WEST SIDE OF THE BRIDGE TO INFORM THE PUBLIC OF THE CONSTRUCTION DURATION. THE CONTRACTOR WILL COORDINATE WITH THE 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 ENGINEER. THE TEMPORARY SIGN WILL BE AS DIMENSIONED ON THE DETOUR PLAN. THE SIGNING, WHICH INCLUDES POST AND MOUNTING, WILL BE PAID AS "TEMPORARY INFORMATION SIGNING" PER SQUARE FOOT FOR EACH SIGN ERECTED. TWO (2) SIGN ARE ANTICIPATED FOR THIS PROJECT.

**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 ARE 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	DONALD E. KRAMER, SHERIFF	630-232-6840
KANE CO. OFFICE OF EMERGENCY MANAGEMENT	DONALD BRYANT, DIRECTOR	630-232-5985
AURORA FIRE DEPARTMENT	JOHN LEHMAN, 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	630-897-8707

**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 JERICHO 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-I103(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 OPERATIONS 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 PROJECT 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. JERICHO ROAD MAY BE COMPLETELY CLOSED TO TRAFFIC FOR THE DURATION SPECIFIED IN THE CONTRACT DOCUMENTS.
2. ACCESS TO PRIVATE AND COMMERCIAL 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 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.
3. A NOMINAL QUANTITY OF HMA PAVEMENT PATCHING FOR PATCHING UTILITY TRENCHES ACROSS DRIVEWAYS AND ENTRANCES HAS BEEN INCLUDED IN THE PLANS. THE PATCHING WILL BE AT THE DISCRETION OF THE ENGINEER.

**GENERAL SEQUENCE OF CONSTRUCTION**

IN GENERAL, THE SEQUENCE OF CONSTRUCTION FOR THIS SECTION SHALL BE AS FOLLOWS:

**MAJOR WORK ITEMS - PHASE 1 (WATER MAIN WORK)**

- COORDINATE UTILITY LOCATES.
- SET UP TEMPORARY EROSION CONTROL MEASURES
- SET UP CHANGEABLE MESSAGE BOARDS.
- SET UP DETOUR.
- REMOVE TREES, VEGETATION, FENCES AND OTHER APPLICABLE REMOVALS.
- COMPLETE WATER MAIN AND APPURTENANT WORK.

**MAJOR WORK ITEMS - PHASE 1B (JERICHO LAKE PARK ENTRANCE)**

- CONSTRUCT RELOCATED JERICHO PARK ENTRANCE AND PARK DRIVE. (CAN ALSO BE CONSTRUCTED CONCURRENT WITH PHASE 1).
- CONSTRUCT NEW FIBER OPTIC CABLE AND CONDUIT
- REMOVE BRIDGE.

**MAJOR WORK ITEMS - PHASE 2 (ROADWAY AND BRIDGE)**

- REMOVE ROADWAY PAVEMENTS AND BRIDGE STRUCTURE (SEE REMOVAL PLAN SHEETS).
- CONSTRUCT THE PROPOSED BRIDGE, SUBGRADE, AGGREGATE BASE COURSES, PAVEMENTS (TO SURFACE).
- CONSTRUCT STORM SEWERS, CULVERT PIPES AND UNDERDRAINS.
- CONSTRUCT GUARDRAILS AND SIGNAGE.

**MAJOR WORK ITEMS - PHASE 3 (RESTORATION)**

THESE ITEMS MAY TAKE PLACE AFTER THE ROADWAY IS OPEN TO TRAFFIC.

- PLACE PERMANENT RESTORATION AND TREE REPLACEMENT.
- PLACE PERMANENT PAVEMENT MARKINGS\*\*.
- RIGHT OF WAY MARKERS.
- FINALIZE PUNCH LIST AND SITE CLEANUP.

\*\*IF CONTRACTOR ELECTS TO COMPLETE PERMANENT PAVEMENT MARKING OUTSIDE OF THE CLOSURE PERIOD THEN THE CONTRACTOR SHALL PLACE THE APPROPRIATE TEMPORARY PAVEMENT MARKINGS. ALL MARKINGS ON THE PERMANENT SURFACES SHALL BE TAPE. A NOMINAL AMOUNT OF SHORT-TERM PAVEMENT MARKING HAVE BEEN ADDED TO QUANTITIES TO BE USED AT THE DIRECTION OF THE ENGINEER. REMOVAL OF THE SHORT-TERM PAVEMENT MARKING WILL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.

**TRAFFIC CONTROL - IDOT STANDARD DRAWINGS**

THE WATER MAIN, ROADWAY AND BRIDGE CONSTRUCTION WORK WILL BE COMPLETED UNDER THE DETOUR SHOWN IN THE PLANS. ALL TRAFFIC CONTROL AND SIGNAGE RELATED TO THE DETOUR WILL BE CONSIDERED INCLUDED IN THE DETOUR PAID FOR AS "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

THE CONTRACTOR'S OPERATION MAY REQUIRE WORK THAT MAY BE COMPLETED AFTER THE REMOVAL OF THE DETOUR. UNDER THESE CIRCUMSTANCES THE CONTRACTOR WILL COMPLETE THE WORK UTILIZING THE APPLICABLE IDOT TRAFFIC CONTROL STANDARD. THE STANDARD APPLICATION WILL BE APPROVED BY THE ENGINEER. A LIST OF POTENTIAL STANDARD DRAWINGS HAS BEEN INCLUDED IN THE SPECIAL PROVISION FOR "TRAFFIC CONTROL PLAN". THE CONTRACTOR IS ENCOURAGED TO COMPLETE ALL WORK UNDER THE DETOUR CLOSURE. THESE STANDARDS WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE LUMP SUM COST FOR "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

**JERICHO LAKE PARK CONSTRUCTION**

JERICHO LAKE PARK WILL BE UNDER CONSTRUCTION CONCURRENT WITH THE JERICHO ROAD BRIDGE REPLACEMENT PROJECT. IT IS ANTICIPATED THAT THE PARK CONTRACTOR WILL REQUIRE ACCESS TO THE PARK USING THE EXISTING OR NEW JERICHO LAKE PARK ENTRANCE CONSTRUCTED AS PART OF THE BRIDGE PROJECT. THE BRIDGE CONTRACTOR IS EXPECTED TO COOPERATE WITH THE PARK CONTRACTOR FOR ACCESS AND ADJOINING WORK. THE JERICHO LAKE PARK CONSTRUCTION IS ANTICIPATED TO LAST 90 DAYS.

FILE NAME: W:\Projects\2011\118282 - JerichoPark\118282-Civil\Drawings\DOT\_DET.DWG



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PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
JERICHO ROAD DETOUR NOTES**

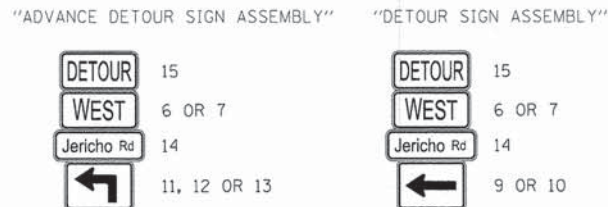
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	27
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

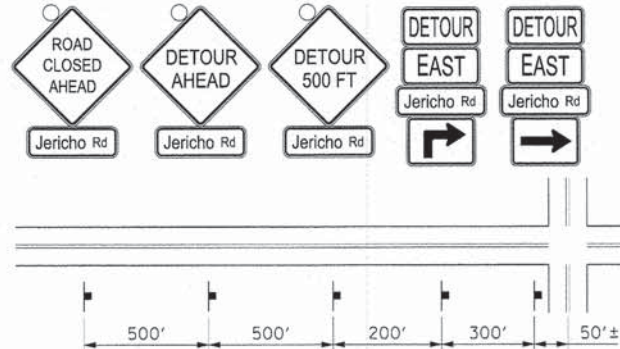
**LEGEND**

- TEMPORARY INFORMATION SIGN
- CHANGEABLE MESSAGE SIGN
- 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)
- WORK ZONE

**TYPICAL DETOUR SIGN ASSEMBLIES**



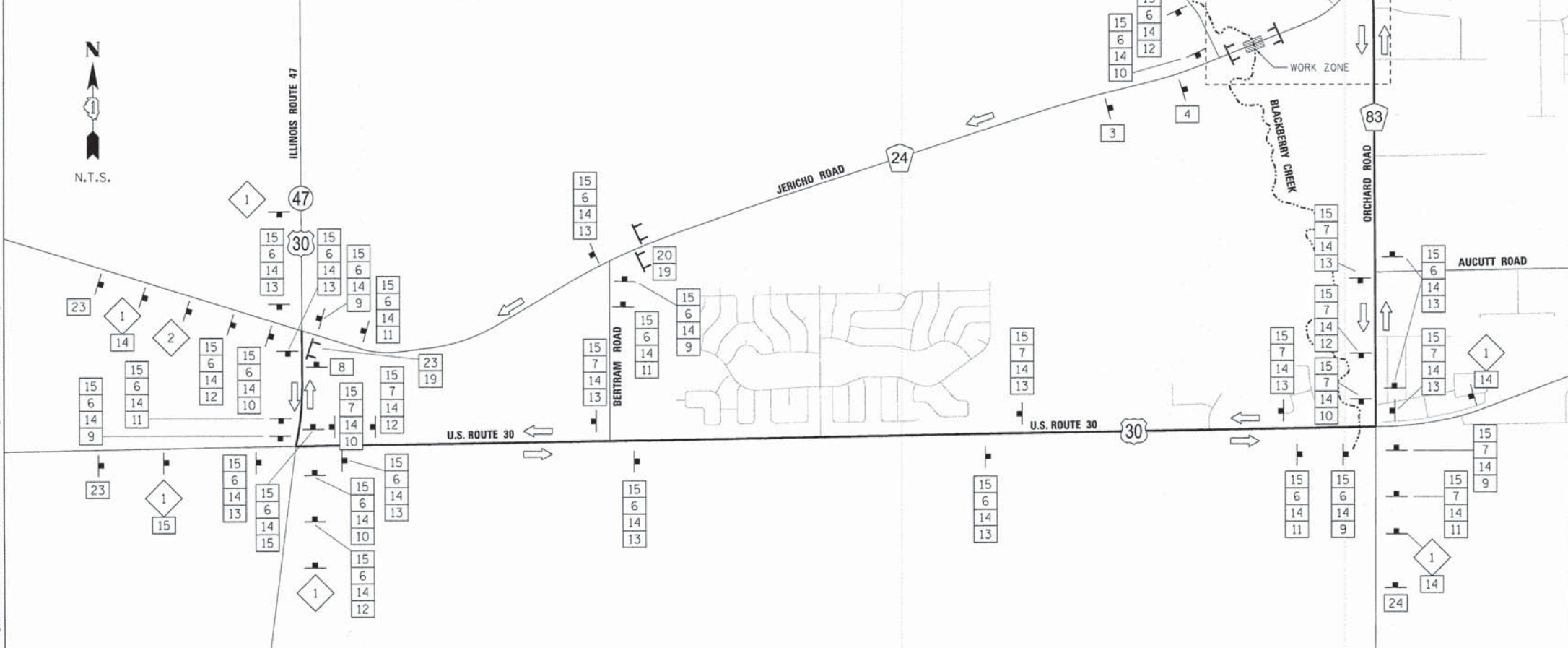
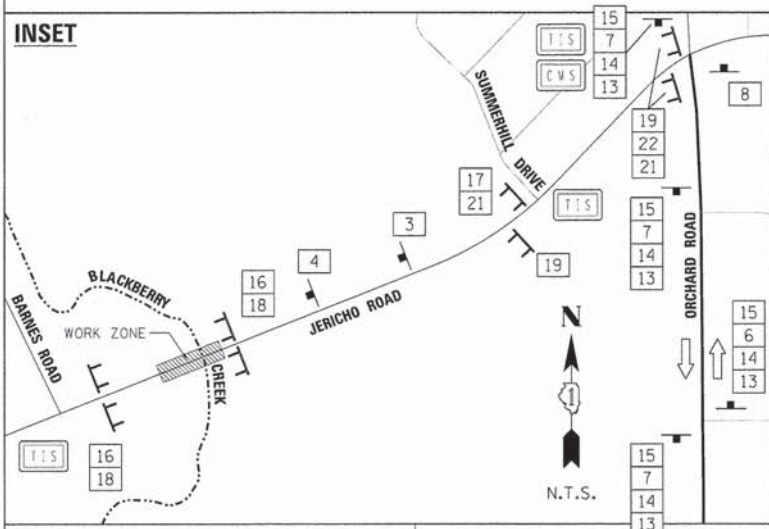
**TYPICAL DETOUR SIGN SPACING**



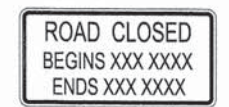
**SCHEDULE OF DETOUR SIGNS**

SIGN NO.	SIGN	MUTCD CODE-SIZE	SIGN NO.	SIGN	MUTCD CODE-SIZE
1	DETOUR AHEAD	W20-2-4848	16	ROAD CLOSED	R11-2-4830
2	DETOUR 500 FT	W20-2-4848	17	BRIDGE OUT X MILES AHEAD LOCAL TRAFFIC ONLY	R11-3B-6030
3	ROAD CLOSED AHEAD	W20-3-4848	18	BRIDGE OUT	R11-2*-4830
4	ROAD CLOSED 500 FT	W20-3-4848	19	ROAD CLOSED TO THRU TRAFFIC	R11-4-6030
5	ROAD CLOSED 1000 FT	W20-3-4848	20	ROAD CLOSED X MILES AHEAD LOCAL TRAFFIC ONLY	R11-3A-6030
6	EAST	M3-2(O)-2412	21	ACCESS TO Jericho Lake PARK OPEN	CUSTOM-(O)6030
7	WEST	M3-4(O)-2412	22	DETOUR	M4-10L-4818
8	END DETOUR	M4-8A-2418	23	Jericho Rd CLOSED AT Barnes Road	CUSTOM-(O)6030
9	Left Arrow	M6-1L(O)-2115	24	Jericho Rd CLOSED Summerhill Dr	CUSTOM-(O)6030
10	Right Arrow	M6-1R(O)-2115			
11	Up Arrow	M5-1L(O)-2115			
12	Down Arrow	M5-1R(O)-2115			
13	Up Arrow	M6-3(O)-2115			
14	Jericho Rd	D3-1(O)-3612 & VAR			
15	DETOUR	M4-8(O)-2412			

**INSET**

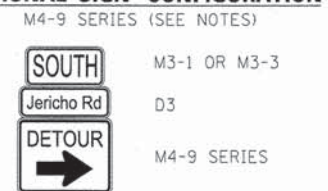


**TEMP. INFORMATION SIGNING**



6" BLACK LETTERS ON ORANGE BACKGROUND

**OPTIONAL SIGN CONFIGURATION**



NOTES:  
THE SIGN CONFIGURATION SHOWN IN THE DETOUR PLAN GENERALLY FOLLOWS THE IDOT DISTRICT ONE STANDARD TC-21.  
THE OPTIONAL SIGN CONFIGURATION DETAIL (M4-9 SERIES) MAY BE USED IN LEU OF THE M4-8 AND M5 OR M6 SERIES SIGNS

FILE NAME: M:\Projects\2011\112222 - Jericho Rd Detour\Drawings\Signs\WOT\_DET.DWG, 02.dwg

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

USER NAME: nmorris	DESIGNED - KMA	REVISED -
PLOT SCALE = 1:1200	DRAWN - KMA	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

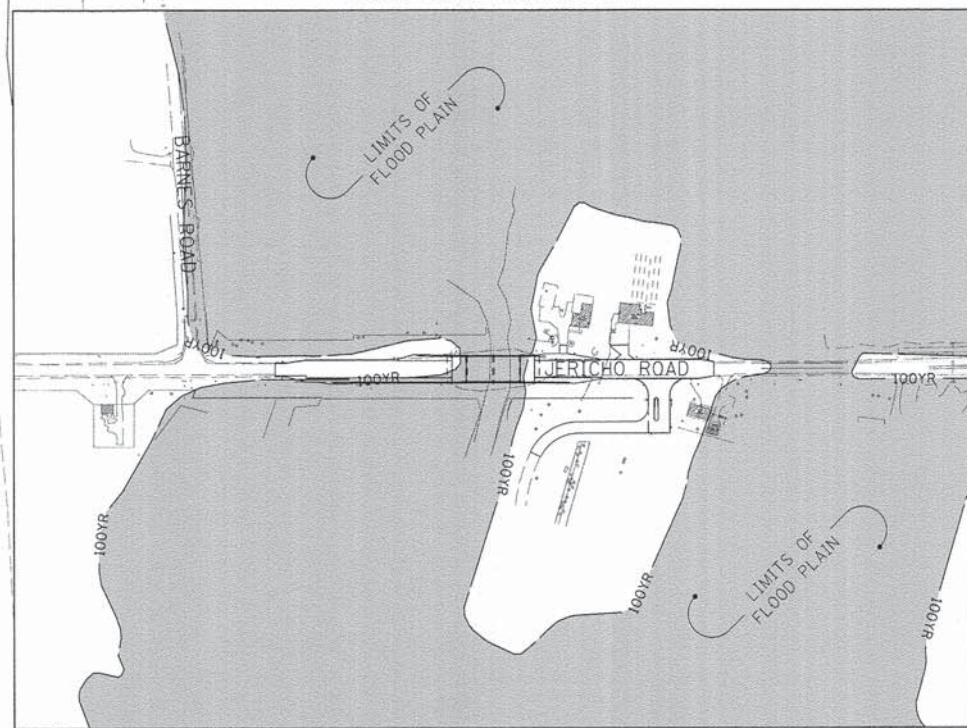
**MAINTENANCE OF TRAFFIC  
JERICHO ROAD DETOUR PLAN**

SCALE: AS SHOWN      SHEET NO. 2 OF 2 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	28

CONTRACT NO. 63873  
ILLINOIS FED. AID PROJECT

FLOOD PLAIN LOCATION MAP

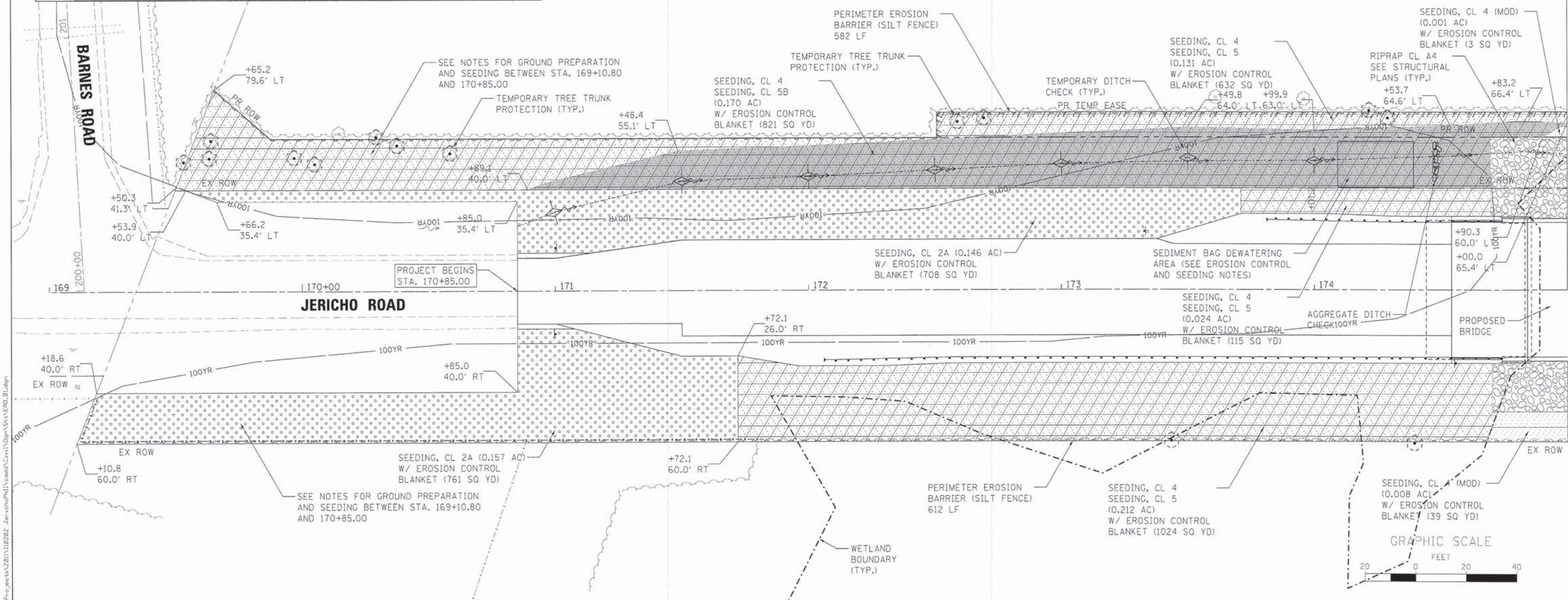


NOTES

1. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER ON WHETHER GROUND PREPARATION, 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. THERE SHALL BE NO STOCK PILING WITHIN THE FLOOD PLAIN LIMITS. SEE LOCATION MAP ON THIS SHEET FOR LIMITS OF FLOOD PLAIN, ELEVATION 665.80.
3. SEE EROSION CONTROL & SEEDING NOTES (EROSION CONTROL DETAIL SHEET 4 OF 5) FOR SEEDING NOTES AND STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR SEED MIXTURE COMPOSITION.
4. FERTILIZER NUTRIENTS ARE ONLY REQUIRED ON CLASS 1 AND CLASS 2A SEEDING AREAS.

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)
- WETLAND BOUNDARY
- 100-YR FLOODPLAIN BOUNDARY



FILE NAME: W:\P\Projects\2211110222 - Jericho\DWG\Civil\06m\Shr\ERD\_01.dwg  
 USER: rjames

WILLIS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = rjames	DESIGNED - NMP	REVISED -
	PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
	PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
		DATE = 12/15/2014	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL & SEEDING PLAN**  
 SCALE: 1"=20'    SHEET NO. 1 OF 6 SHEETS    STA. 170+85.00 TO STA. 175+00.00

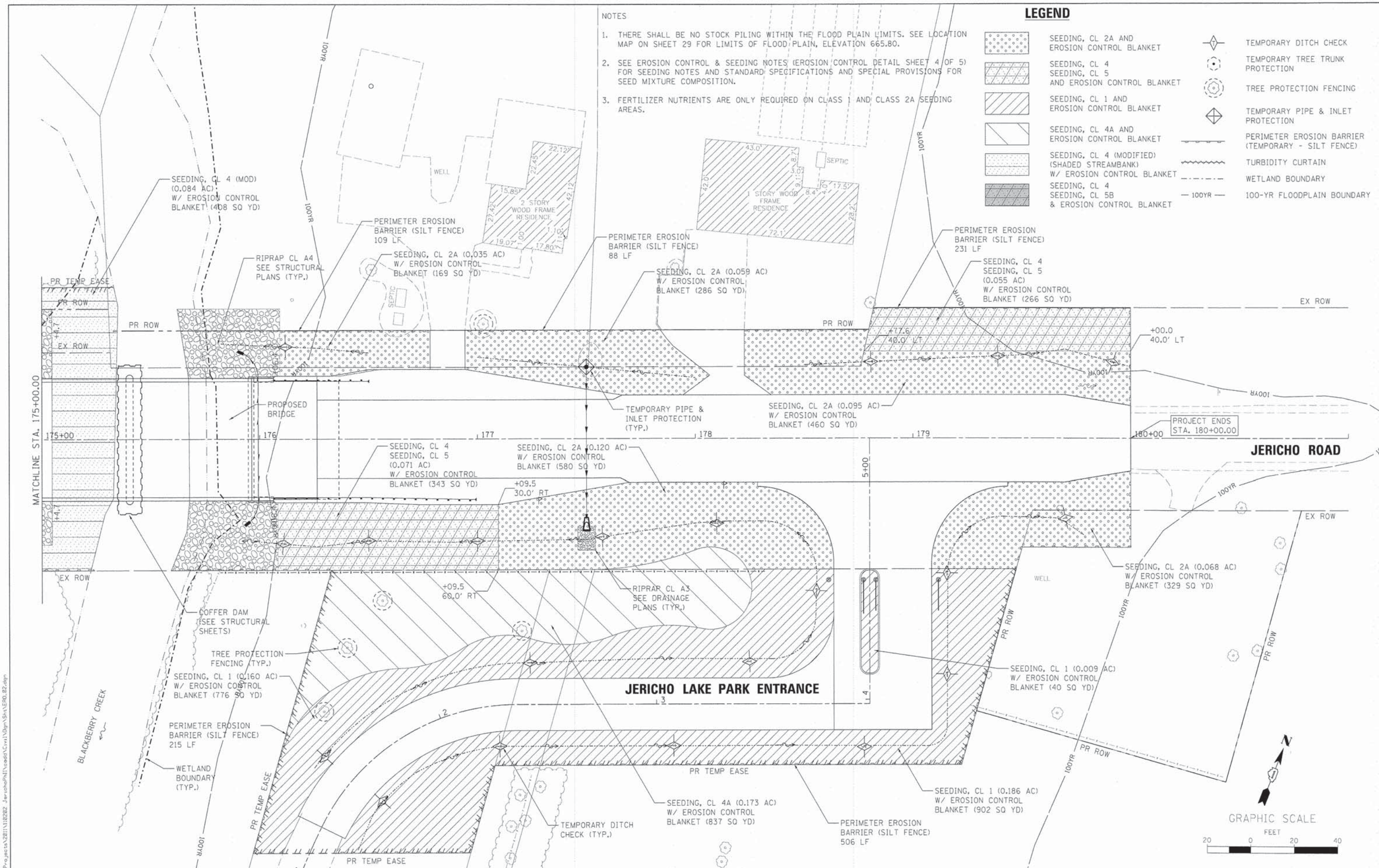
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
1542	04-00329-00-BR	KANE	96
			29
			CONTRACT NO. 63873
ILLINOIS FED. AID PROJECT			

NOTES

1. THERE SHALL BE NO STOCK PILING WITHIN THE FLOOD PLAIN LIMITS. SEE LOCATION MAP ON SHEET 29 FOR LIMITS OF FLOOD PLAIN, ELEVATION 665.80.
2. SEE EROSION CONTROL & SEEDING NOTES (EROSION CONTROL DETAIL SHEET 4 OF 5) FOR SEEDING NOTES AND STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS FOR SEED MIXTURE COMPOSITION.
3. FERTILIZER NUTRIENTS ARE ONLY REQUIRED ON CLASS 1 AND CLASS 2A SEEDING AREAS.

LEGEND

	SEEDING, CL 2A AND EROSION CONTROL BLANKET		TEMPORARY DITCH CHECK
	SEEDING, CL 4 AND EROSION CONTROL BLANKET		TEMPORARY TREE TRUNK PROTECTION
	SEEDING, CL 1 AND EROSION CONTROL BLANKET		TREE PROTECTION FENCING
	SEEDING, CL 4A AND EROSION CONTROL BLANKET		TEMPORARY PIPE & INLET PROTECTION
	SEEDING, CL 4 (MODIFIED) (SHADED STREAMBANK) W/ EROSION CONTROL BLANKET		PERIMETER EROSION BARRIER (TEMPORARY - SILT FENCE)
	SEEDING, CL 4 SEEDING, CL 5B & EROSION CONTROL BLANKET		TURBIDITY CURTAIN
			WETLAND BOUNDARY
			100-YR FLOODPLAIN BOUNDARY



FILE NAME: W:\P\proj\2211\110222\JerichoPark\110222\110222.dwg

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

USER NAME: nmp	DESIGNED: NMP	REVISED:
PLOT SCALE: 1/20	DRAWN: NDP	REVISED:
PLOT DATE: 12/11/2014	CHECKED: SBP	REVISED:
	DATE: 12/15/2014	REVISED:

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL & SEEDING PLAN**  
 SCALE: 1"=20'  
 SHEET NO. 2 OF 6 SHEETS  
 STA. 175+00.00 TO STA. 180+00.00

F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 30
				CONTRACT NO. 63873
ILLINOIS FED. AID PROJECT				

**EROSION CONTROL INSPECTION**

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

**WINTER SHUT DOWN**

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

**TEMPORARY DITCH CHECKS**

TEMPORARY DITCH CHECKS WILL BE REQUIRED AT THOSE LOCATIONS WHERE THE CONTRACTORS OPERATIONS REQUIRE TEMPORARY OR PERMANENT DITCHES. THE LOCATION OF TEMPORARY DITCH CHECKS ARE SHOWN ON THE PLANS. THE EXACT LOCATION MAY REQUIRE FIELD ADJUSTMENT AND WILL BE COORDINATED IN THE FIELD WITH THE ENGINEER. THE QUANTITIES INCLUDE A PLAN ALLOWANCE OF TWO (2) 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 DETAILED 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 STROMWATER FACILITIES.

CONTRACTOR MAY OPT TO STOCK PILE MATERIAL. STAGING OF THE PROJECT IS AT THE DISCRETION OF THE CONTRACTOR AND COORDINATION OF STOCK PILES WILL BE WITH 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 7 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

**STABILIZED CONSTRUCTION AREA**

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

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

**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

**CONTRACTOR SUBMITTAL**

MEANS AND METHODS TO CONSTRUCT THE PROPOSED BRIDGE, CHANNEL AND OTHER APPURTENANT WORK, INCLUDING REMOVAL OF THE EXISTING BRIDGE, ABUTMENTS AND PIERS, IS THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR IS REQUIRED TO SUBMIT TO KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT FOR APPROVAL ALL DRAWINGS AND/OR DETAILS SHOWING THE EXACT SEQUENCING, METHODS, AND LOCATIONS OF THE DIVERSION STRUCTURE(S) INCLUDING DEWATERING AND FILTRATION METHODS. THE COORDINATION WITH KDSWCD, PLANS OR DETAILS REQUIRED FOR THE DIVERSION STRUCTURE(S) AND DEWATERING OPERATIONS WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE DIVERSION STRUCTURE(S).

**KEEPING PAVEMENTS CLEAN**

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

**STABILIZED CONSTRUCTION ENTRANCE**

A STABILIZED CONSTRUCTION ENTRANCE IS NOT ANTICIPATED FOR THIS PROJECT. 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) BLACKBERRY CREEK IS CONSIDERED WATERS OF THE U.S. OR "PUBLIC WATERS". THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DEMOLITION PLAN IN ACCORDANCE WITH ARTICLE 501.02 TO THE ENGINEER FOR APPROVAL. PREPARATION OF THE DEMOLITION PLAN AND RELATED TEMPORARY CONTAINMENT AND/OR EROSION CONTROL ITEMS RELATED TO THE DECK REMOVAL WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF THE REMOVAL OF THE EXISTING BRIDGE STRUCTURE.
- B) CONSTRUCTION OF EMBANKMENTS AND RIP RAP ARE ANTICIPATED TO REQUIRE WORK WITHIN THE CREEK, WORK MUST BE TIMED TO TAKE PLACE DURING LOW FLOW CONDITIONS. A SUGGESTED SEQUENCE OF CONSTRUCTION HAS BEEN INCLUDED IN THE PLAN.
- C) BYPASS PUMPING IS NOT ANTICIPATED FOR THIS PROJECT. HOWEVER, IF BYPASS PUMPING 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) DEWATERING OF THE CONSTRUCTION IS ANTICIPATED. ALL WATERS SHALL BE FILTERED BY USING FILTER BAGS OR AN ALTERNATIVE MEASURE APPROVED BY THE ENGINEER AND KDSWCD. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO RETURN TO THE ORIGINAL CREEK.
- E) THE SIDE SLOPES MUST BE RESEEDD AND/OR 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.

**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 ENGINEER AND THE KDSWCD.
- F) DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS, FILTERING SYSTEMS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES, STORMWATER STRUCTURES, OR BURLINGTON CREEK IS PROHIBITED.
- G) IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM HIS PERSONNEL AND 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.
- 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 DETAILS OF THE OF THE WASHOUT BASIN. THE WASHOUT BASIN WILL BE AS DETAILED IN THE EROSION AND SEDIMENT CONTROL PLANS. NO MODIFICATION WILL BE ALLOWED WITHOUT THE APPROVAL OF THE ENGINEER.
- J) ALL DROP INLETS ON AND ADJACENT TO THE SITE MUST HAVE SEDIMENT TRAPPING OR CONTAINMENT DEVICE INSTALLED DURING CONSTRUCTION ACTIVITIES. FILTER FABRIC ON ITS OWN IS NOT AN APPROVED METHOD. PREFABRICATED DROP INLET PROTECTION SHOULD BE AS RESTRICTIVE AS THE ILLINOIS URBAN MANUAL STANDARD 861 FOR INLET PROTECTION.
- K) DIVERSION STRUCTURE(S) WILL USED TO ASSURE IN-STREAM WORK IN COMPLETED IN DRY CONDITIONS. SEDIMENT SHALL BE CONTROL THROUGH FILTERING SYSTEMS TO KEEP SEDIMENT FORM LEAVING THE PROJECT AREA.

**IN-STREAM WORK**

- A. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL WATER ELEVATION.
- B. THE CONTRACTOR'S DIVERSION STRUCTURE SHALL PROVIDE FOR THE CONVEYANCE OF THE 2-YEAR (MIN.) PEAK FLOW PAST THE WORK AREA WITHOUT OVERTOPPING THE DIVERSION STRUCTURE. THE CORPS HAS THE DISCRETION TO REDUCE THIS REQUIREMENT IF DOCUMENTED BY THE APPLICANT TO BE INFEASIBLE OR UNNECESSARY.
- C. WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK AREA USING A DIVERSION STRUCTURE CONSTRUCTED OF NON-ERODIBLE MATERIALS (STEEL SHEETS, AQUA BARRIERS, RIP RAP AND GEOTEXTILE LINER, ETC.). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.
- D. THE DIVERSION STRUCTURE(S) MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER FLOWING WATER AT ANY TIME. IF THE INSTALLATION OF THE DIVERSION STRUCTURE(S) CANNOT BE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE AREA TO BE COFFERED, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF A CAUSEWAY WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER. ONCE THE DIVERSION STRUCTURE(S) IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK.
- E. IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.
- F. DURING DEWATERING OF THE COFFERED WORK AREA, ALL SEDIMENT-LADEN WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS SYSTEMS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE TO THE WATERWAY MUST BE IDENTIFIED IN THE PLAN. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.
- G. THE AREA FROM THE TOE TO THE TOP OF THE SIDE SLOPE SHALL BE TEMPORARILY STABILIZED DURING CONSTRUCTION TO REDUCE THE POTENTIAL FOR EROSION. ALL AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PROPOSED CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.

**DEWATERING**

WHEN DEWATERING DIVERSION STRUCTURE(S) OR OTHER AREAS OF THE CONSTRUCTION SITE, 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 AND WATER CONSERVATION DISTRICT AT THE PRE-CONSTRUCTION MEETING.

**DEWATERING - BASIS OF PAYMENT**

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

FILE NAME: W:\Projects\2011\110202 - Jerricho\PI\cadd\Civil\Drawings\ERU\_01.dgn



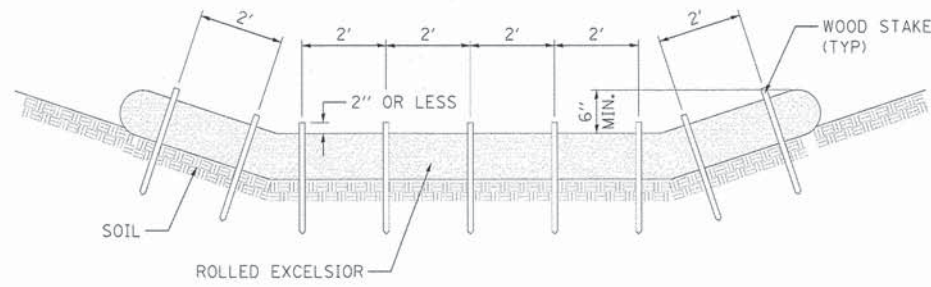
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PLOT SCALE = 1:10	CHECKED - SBP	REVISED -
PLOT DATE = 12/11/2014	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

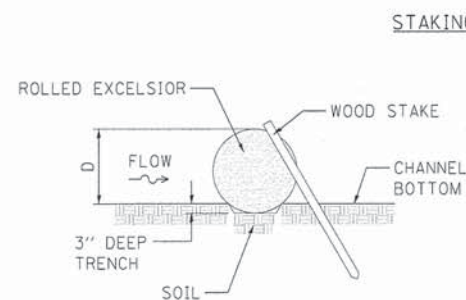
**EROSION CONTROL  
& SEEDING NOTES**

SCALE: N/A SHEET NO. 3 OF 6 SHEETS STA. TO STA.

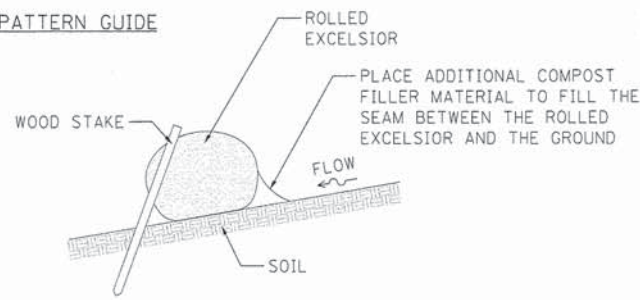
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	31
				CONTRACT NO. 63873
ILLINOIS FED. AID PROJECT				



STAKING PATTERN GUIDE



STAKE DETAIL



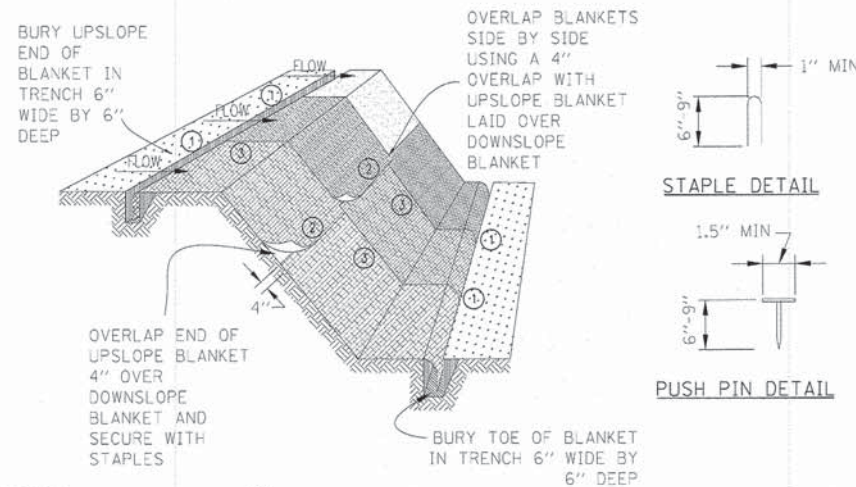
COMPOST FILTER SOCK DETAIL

NOTES:

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

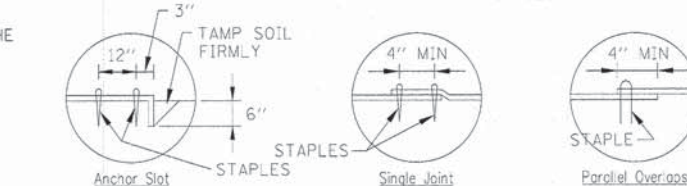
**TEMPORARY DITCH CHECK  
ROLLED EXCELSIOR**

STD. IUM-514  
(ROLLED EROSION CONTROL PRODUCTS)



STAPLE DETAIL

PUSH PIN DETAIL



DETAIL 1

DETAIL 2

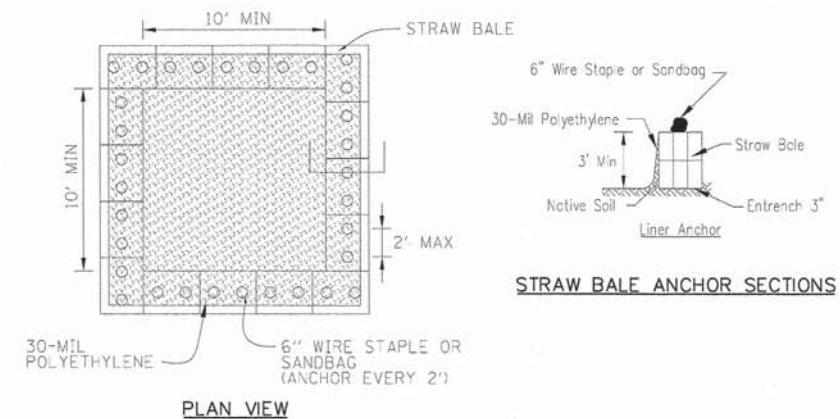
DETAIL 3

NOTES:

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

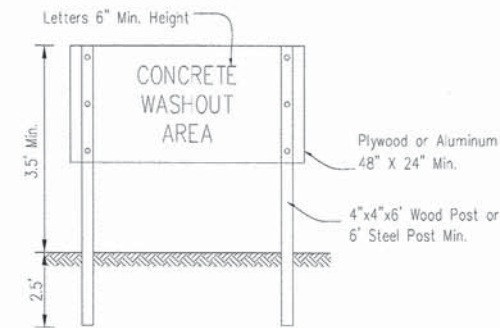
**EROSION CONTROL  
BLANKET INSTALLATION DETAILS**

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



PLAN VIEW

STRAW BALE ANCHOR SECTIONS



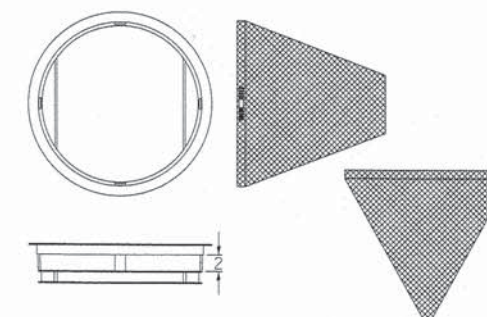
SIGN DETAIL

NOTES:

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

**TEMPORARY CONCRETE  
WASHOUT FACILITY - STRAW BALE**

STD. IUM-6545B  
(TEMPORARY CONCRETE WASHOUT)



ROUND CATCH ALL

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. HANDLES AND SUSPENSION BRACKETS FABRICATED FROM 1/4"x1/4" FLAT STOCK. ALL STEEL CONFORMING TO ASTM-A36.

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

**INLET PROTECTION DETAIL**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

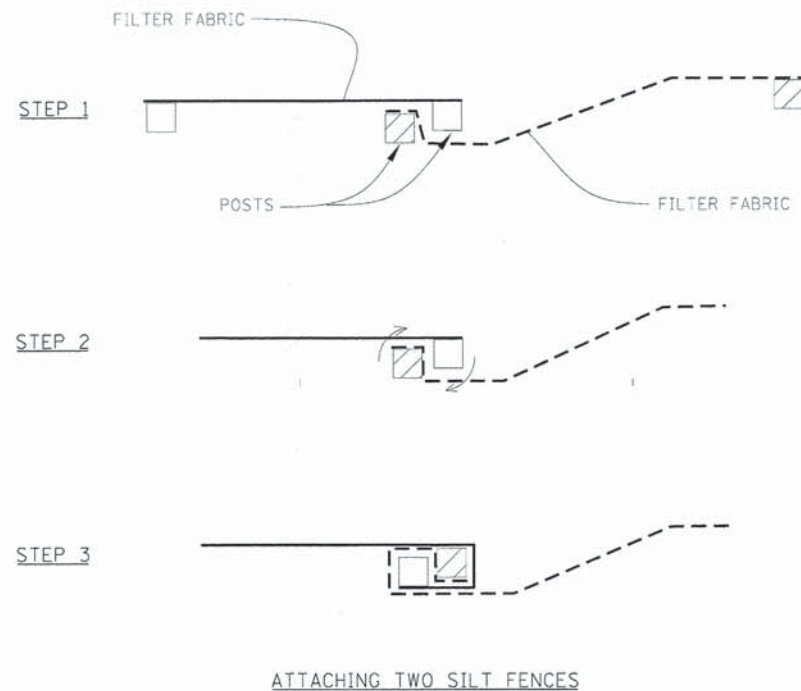
EROSION CONTROL  
& SEEDING DETAILS

SCALE: N/A SHEET NO. 4 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	32
				CONTRACT NO. 63873
ILLINOIS FED. AID PROJECT				

USER NAME	DESIGNED	REVISED
ndarris	NMP	-
	NDP	-
	SBP	-
	DATE	REVISED
	12/15/2014	-

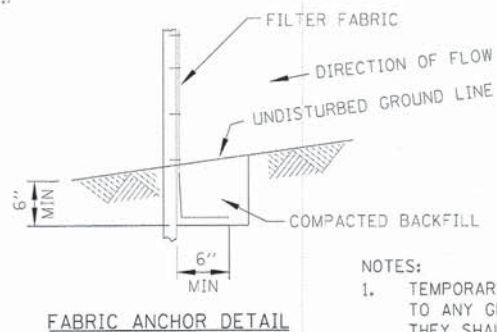
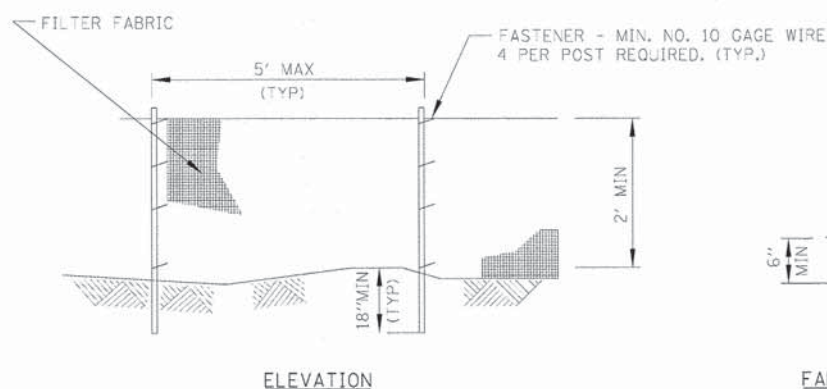




- NOTES:
- PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE.
  - ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL.
  - CUT THE FABRIC NEAR THE BOTTOM OF THE STAKES TO ACCOMMODATE THE 6" FLAP.
  - DRIVE BOTH POSTS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

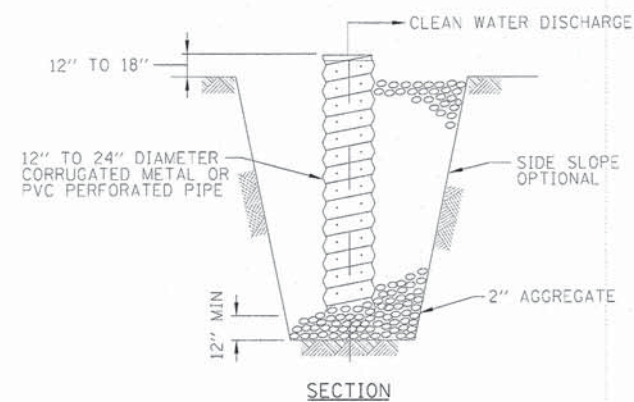
**PERIMETER EROSION BARRIER  
(SILT FENCE) – SPLICING TWO FENCES**

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



**PERIMETER EROSION BARRIER  
(SILT FENCE)**

STD. IUM-620A  
(SILT FENCE PLAN)

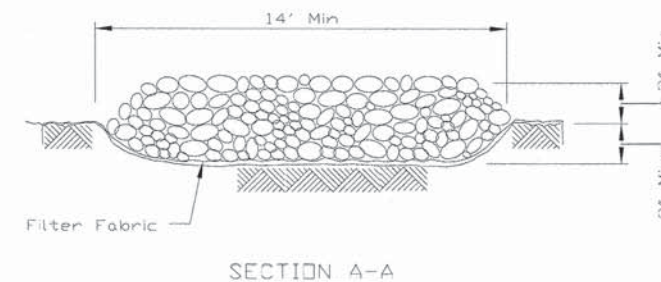
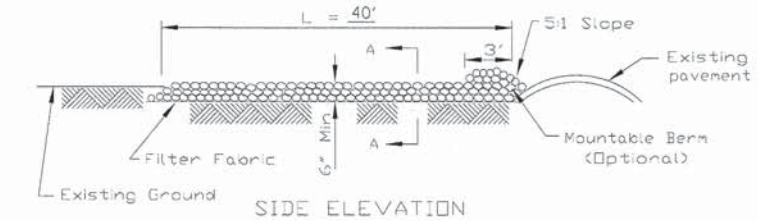
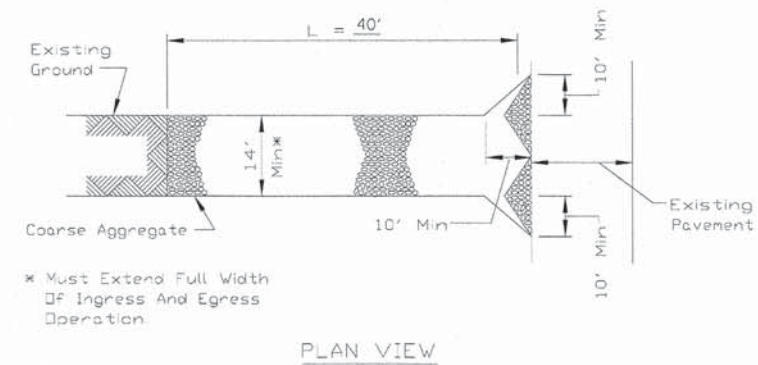


- NOTES:
- PIT DIMENSIONS ARE OPTIONAL.
  - THE STANDPIPE WILL BE CONSTRUCTED BY PERFORATING A 12"-24" DIAMETER CORRUGATED METAL OR PVC PIPE.
  - A BASE OF 2" AGGREGATE WILL BE PLACED IN THE PIT TO A MINIMUM DEPTH OF 12". AFTER INSTALLING THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE WILL THEN BE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

**SUMP PIT PLAN**

STD. IL-650  
(SUMP PIT PLAN)

THE SUMP PIT WILL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE CONSIDERED PART OF THE DEWATERING OPERATIONS.



- NOTES:
- FILTER FABRIC SHALL MEET THE REQUIREMENTS OF ARTICLE 1080.03 OF THE STANDARD SPECIFICATIONS AND SHALL BE PLACED OVER THE CLEARED SUBGRADE AREA PRIOR TO PLACING THE ROCK.
  - 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."
  - ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.
  - IF WASH RACKS ARE USED THEY SHALL BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS.

**STABILIZED CONSTRUCTION  
ENTRANCE PLAN**

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

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

FILE NAME = MAPProjects\2011\110202 - JerrichoPhillVeedd\Civil\Drawn\Shiva\ERL\_06.dgn



USER NAME = nparis	DESIGNED - NMP	REVISED -
DRAWN - NDP	REVISED -	
PLOT SCALE = 1:10	CHECKED - SBP	REVISED -
PLOT DATE = 12/11/2014	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EROSION CONTROL &amp; SEEDING DETAILS</b>	
SCALE: N/A	SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	33
				CONTRACT NO. 63873
ILLINOIS FED. AID PROJECT				

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

A. CLASS 1  
CLASS 2A

B. CLASS 4B  
CLASS 5B  
CLASS 4  
CLASS 5  
CLASS 4 MOD (SHADED STREAMBANK)

C. INCREASE SEEDING RATES BY 25% WHEN DORMANT SEEDING (NOT ANTICIPATED)

\* IRRIGATION MAY BE NEEDED DURING JUNE AND JULY (INCLUDED IN SEEDING)

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

D. TEMPORARY SEEDING (PERENIAL RYE GRASS, SPRING OATS)

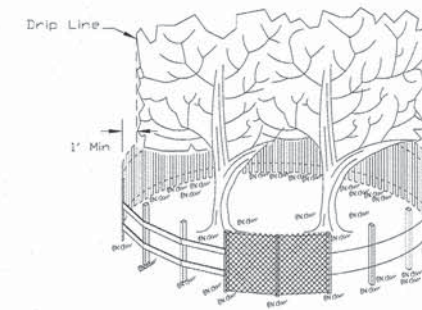
E. EROSION CONTROL BLANKET (EXCELSIOR) AND HEAVY DUTY EROSION CONTROL BLANKET (PERMANENT SEED AREAS ONLY)

### WATERWAY INFORMATION - 2 YEAR

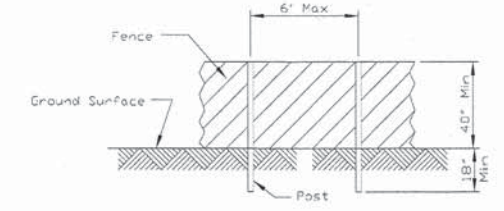
Drainage Area = 56.9 sq. mi.

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	2	564	364.8	N/A	661.73	0.02	N/A	661.75	N/A

2-Year Velocity through Existing Bridge = 1.6 ft/s



SIDE VIEW



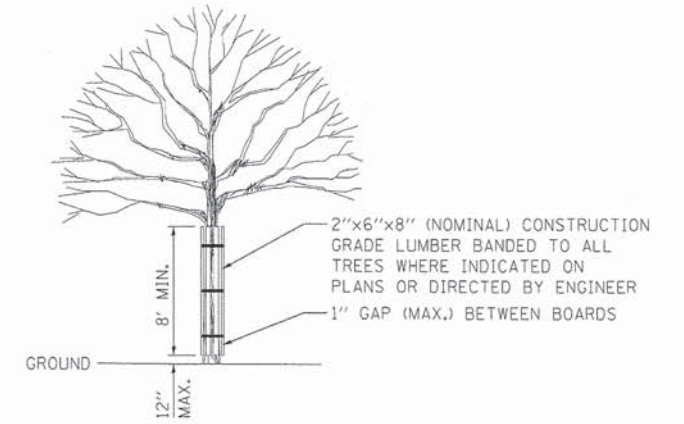
POST AND FENCE DETAIL

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 FENCE."

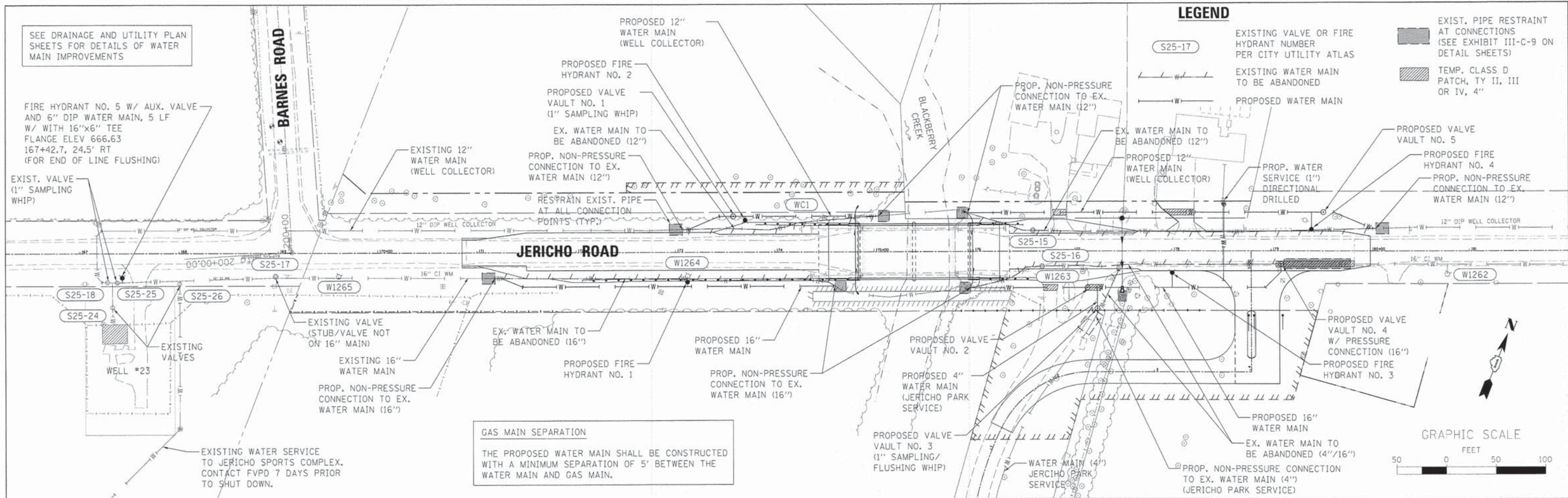
### TREE PROTECTION FENCING

STD. IL-690  
(TREE PROTECTION - FENCING)



TREE TRUNK PROTECTION

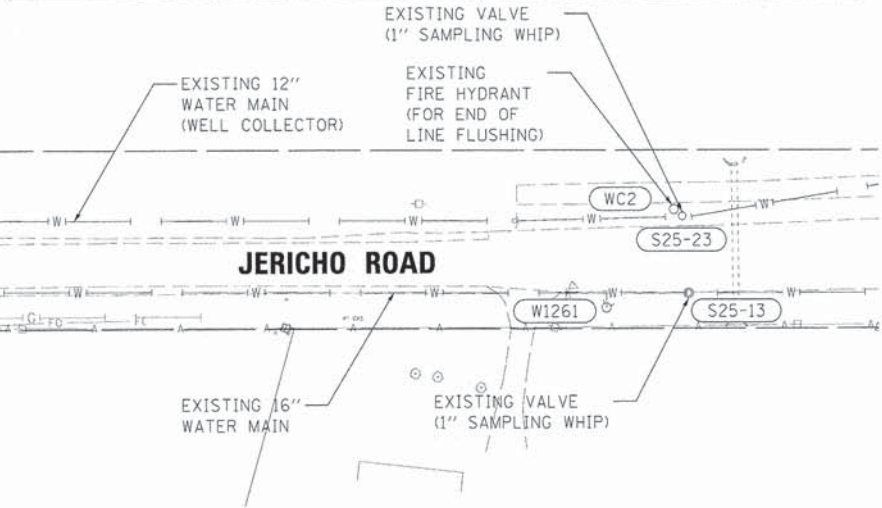
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- WATER MAIN NOTES**
1. WATER MAIN WORK SHALL BE COMPLETED BY MAY 29, 2015.
  2. BOTH 12" AND 16" WATER MAINS WILL NOT BE OUT OF SERVICE AT THE SAME TIME.
  3. CONTRACTOR MAY SUBMIT TO THE ENGINEER IN WRITING TO PROVIDE ALTERNATE METHOD OF RESTRAINING THE EXISTING WATER MAIN AT THE CONNECTION POINTS.

- 16" WATER MAIN INSTALLATION SEQUENCE OF CONSTRUCTION**
- INSTALL NEW WATER MAIN AND APPURTENANCES FROM STA. 171+18.2, 25.7' RT. TO STA. 174+60.5, 34.5' RT. AND STA. 175+97.1, 36.9' RT. TO STA. 179+10.0, 13.1' RT. INSTALL NEW WATER MAIN AND VALVE FOR JERICHO PARK 4 INCH SERVICE AT STA. 177+25 RT.
  - INSTALL NEW 16" BUTTERFLY VALVE AND VALVE VAULT (#4 - PRESSURE CONNECTION) AT STA. 179+10, 13.1' RT. (SEE DRAINAGE AND UTILITY SHT.)
  - KEEP NEW VALVE AT STA. 179+10 CLOSED AFTER INSTALLATION.
  - ISOLATE EXISTING WATER MAIN BETWEEN STA. 167+38 TO STA. 176+69 BY CLOSING EXISTING WATER VALVES ON THE WEST END AT STA. 167+38 (\*S25-25), STA. 168+00 (\*S25-26 - JERICHO SPORTS COMPLEX) AND THE EAST END AT STA. 176+69 (\*S25-16).
  - MAINTAIN EXISTING WATER SERVICE TO RESIDENCE AT STA. 178+50, LT. AND JERICHO PARK AT STA. 177+46, RT. BY UTILIZING EXISTING 16" WATER MAIN SUPPLIED FROM EAST OF THE EXISTING VALVE AT STA. 176+69 (\*S25-16).
  - MAKE PROPOSED CONNECTIONS (NON-PRESSURE OR PRESSURE, AS NOTED) TO THE EXISTING WATER MAIN AT STA. 171+18.2, STA. 174+60.5 AND STA. 175+10.0. IN ADDITION TO WHAT IS REQUIRED BY SPECIAL PROVISIONS, THE EXISTING WATER MAIN WILL BE RESTRAINED AT ALL CONNECTION POINTS.
  - INSTALL NEW FIRE HYDRANT (#5) AT STA. 167+42.7. NEW FIRE HYDRANT TO BE USED FOR END OF LINE FLUSHING OPERATIONS.
  - CONNECT "WHIPS" (CORPORATION STOPS) AT THE EXISTING VALVE (\*S25-25) AT 167+38 AND THE NEW VALVES (#4) AT STA. 179+10.0 AND STA. 177+25 (#3 - 4" WATER MAIN SERVICE TO JERICHO PARK) FOR TESTING AND CHLORINATION. ADDITIONAL WHIPS MAY BE REQUIRED BY CITY OF AURORA.
  - FLUSH, PRESSURE TEST, DISINFECT, CHLORINATE AND FLUSH NEW WATER MAIN. FLUSH NEW WATER MAIN WEST USING NEWLY INSTALLED "WHIPS" AND FIRE HYDRANTS.
  - CONNECT NEW WATER SERVICE TO RESIDENCE AT STA. 178+52.6, LT. AND JERICHO PARK AT STA. 177+25, RT.
  - TEMPORARILY ISOLATE EXISTING 16" WATER MAIN BY CLOSING NEW VALVE (#4) AT STA. 179+10 AND EXISTING VALVES AT STA. 167+38 (\*S25-25), STA. 168+00 (\*S25-26) AND STA. 184+95 (\*S25-13). DISCONNECT AND PLUG EXISTING WATER MAIN ON WEST SIDE OF NEW VALVE (#4) AT STA. 179+72.5.
  - WORK SHALL BE COMPLETED WITHIN 1 HOUR TIME PERIOD. RE-FLUSH SYSTEM.

- 16" WATER MAIN INSTALLATION SEQUENCE OF CONSTRUCTION (CONT.)**
- RETURN THE WATER MAIN TO SERVICE BY OPENING EXISTING VALVES AT STA. 168+00 (\*S25-26), STA. 184+95 (\*S25-13) AND THE NEW VALVE (#3) AT STA. 177+25 AND VALVE (#4) AT STA. 179+10.0.
  - ABANDON AND FILL EXISTING WATER MAIN BETWEEN STA. 170+18.2 TO STA. 174+60.5 AND STA. 175+97.1 AND STA. 179+10.0.
- 12" WELL COLLECTOR INSTALLATION SEQUENCE OF CONSTRUCTION**
- INSTALL NEW WATER MAIN AND APPURTENANCES FROM STA. 173+06.9, 22.8' LT. TO STA. 175+04.4, 36.0' LT. AND STA. 175+94.6, 39' LT. TO STA. 180+05.7, 22.7' LT. (SEE DRAINAGE AND UTILITY SHT.)
  - KEEP NEW VALVES AT STA. 173+34 (#1) AND STA. 179+52.8 (#5) OPEN AFTER INSTALLATION.
  - ISOLATE EXISTING WATER MAIN BETWEEN STA. 167+27 TO STA. 184+71 BY CLOSING EXISTING WATER VALVES ON THE WEST END AT STA. 167+27 (\*S25-18) AND THE EAST END AT STA. 184+71 (\*S25-23).
  - CONNECT "WHIPS" (CORPORATION STOPS) AT THE EXISTING VALVES AT THE WEST END AT STA. 167+27 (\*S25-18) AND THE EAST END AT STA. 184+71 (\*S25-23) AND NEW VALVE AT STA. 173+58.2 (#1) FOR TESTING AND CHLORINATION.
  - MAKE PROPOSED CONNECTIONS (NON-PRESSURE) TO THE EXISTING WATER MAIN AT STA. 173+06.9, STA. 175+04.4, 175+94.6 AND STA. 180+05.7. IN ADDITION TO WHAT IS REQUIRED BY SPECIAL PROVISIONS, THE EXISTING WATER MAIN WILL BE RESTRAINED AT ALL CONNECTION POINTS.
  - PRIOR TO FLUSHING WATER MAIN CLOSE EXISTING VALVE AT STA. 167+33 (\*S25-24) AND STA. 167+38 (\*S25-25). COORDINATE WITH THE CITY OF AURORA, WATER PROTECTION DIVISION.
  - FLUSH, PRESSURE TEST, DISINFECT, CHLORINATE AND FLUSH NEW WATER MAIN. FLUSH ENTIRE LENGTH OF WATER MAIN FROM STA. 167+27 TO STA. 184+71. WATER SOURCE SHALL BE POTABLE WATER SUPPLIED FROM THE 16" WATER MAIN EAST OF EXISTING VALVE AT STA. 167+38 (\*S25-25). COORDINATE WITH THE CITY OF AURORA, WATER PROTECTION DIVISION.
  - FLUSH, PRESSURE TEST, DISINFECT, CHLORINATE AND FLUSH FROM WEST TO EAST USING "WHIPS" (CORPORATION STOPS) INSTALLED AT STA. 167+27 (\*S25-18), STA. 184+71 (\*S25-23) AND EXISTING FIRE HYDRANT AT STA. 184+68 (\*WC2).
  - RETURN THE ENTIRE SECTION OF WATER MAIN TO SERVICE BY OPENING EXISTING VALVE AT STA. 167+27 (\*S25-18) AND STA. 184+71 (\*S25-23) AND THE NEW VALVES AT STA. 173+34 (#1) AND STA. 179+78 (#2). EXISTING VALVES AT STA. 167+33 (\*S25-24) AND STA. 167+38 (\*S25-25) SHALL BE RETURNED TO THEIR ORIGINAL OPEN/CLOSED POSITION PRIOR TO FLUSHING AND TESTING OPERATIONS. FINAL VALVE POSITIONS SHALL BE CONFIRMED BY THE CITY OF AURORA.
  - ABANDON AND FILL EXISTING WATER MAIN BETWEEN STA. 173+12.9 TO STA. 175+04.4 AND STA. 175+94.6 AND STA. 180+02.4.



**SEQUENCE OF OPERATION NOTES**

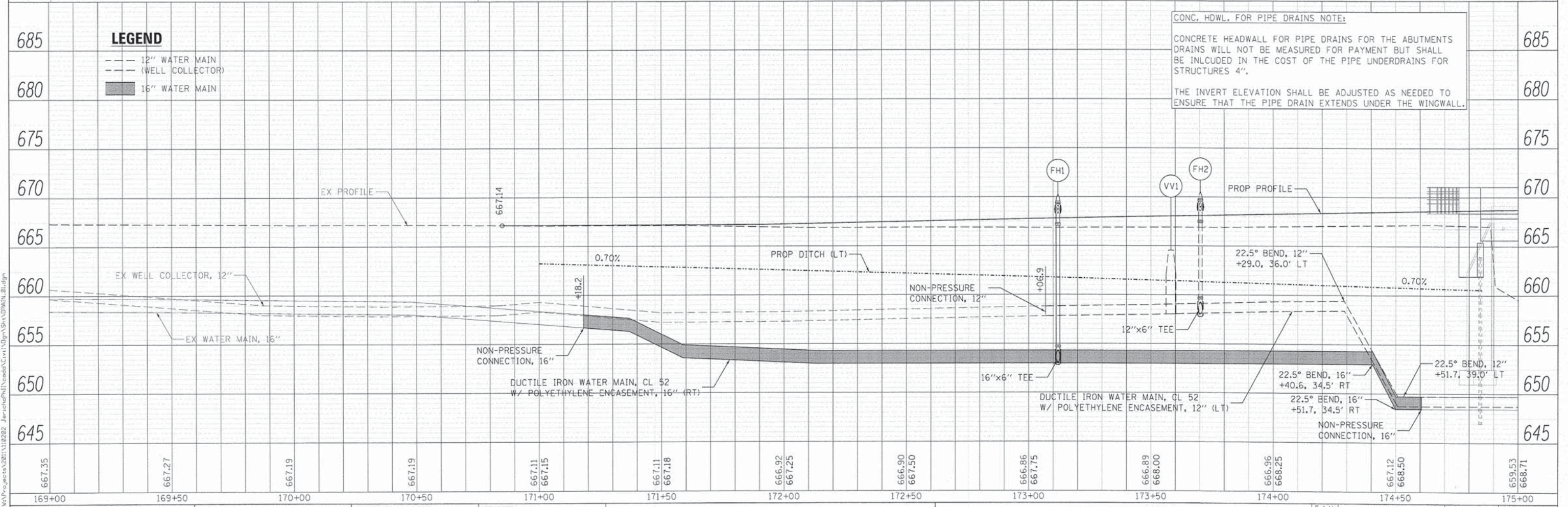
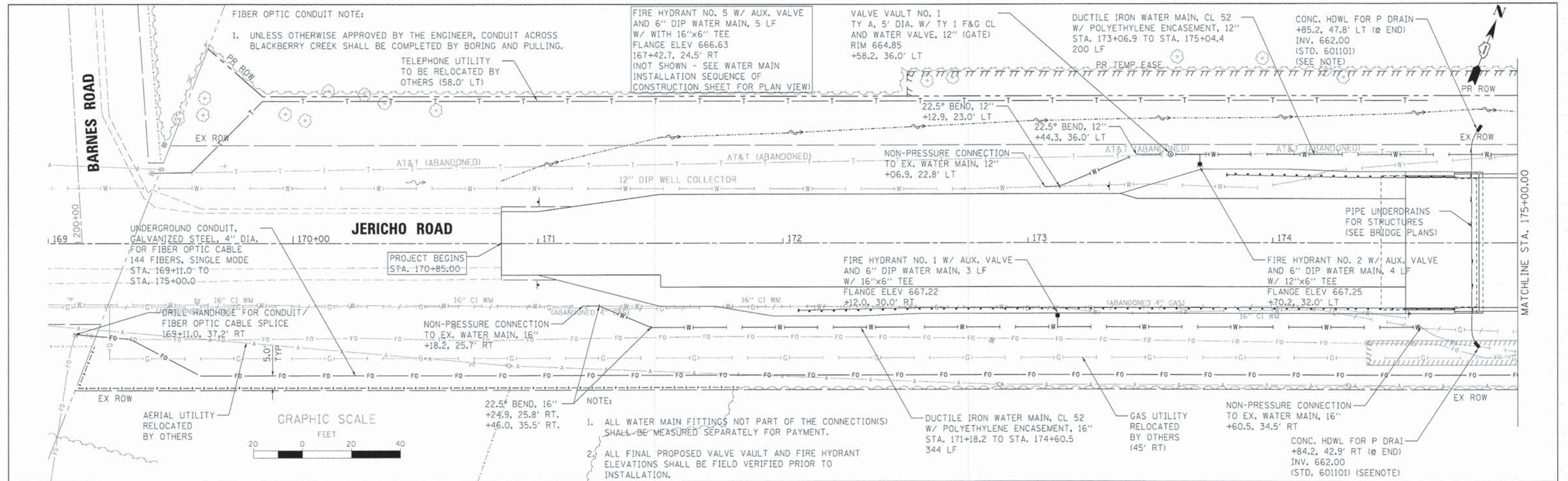
THE WATER MAIN INSTALLATION SEQUENCE OF CONSTRUCTION LISTED BELOW IS A SUGGESTED SEQUENCE OF OPERATIONS AND DOES NOT, NOR IS IT INTENDED, TO DEPICT ALL THE WORK REQUIRED BY THE CONTRACTOR TO CONSTRUCT THE NEW WATER MAIN AND APPURTENANCES AS SHOWN IN THE PLANS. THE SEQUENCE OF OPERATION IS GIVEN AS AN AIDE AND GUIDE FOR THE CONTRACTOR'S USE TO ESTABLISH NECESSARY GUIDELINES REQUIRED BY THE CITY OF AURORA FOR SHUTTING DOWN OF EXISTING WATER MAINS. THE CONTRACTOR MAY WISH TO MAKE REVISIONS OR MODIFICATIONS TO THE SEQUENCE OF OPERATION AND/OR CONSTRUCTION METHODS. THE CONTRACTOR WILL COORDINATE AND FINALIZE THE SEQUENCE OF CONSTRUCTION OPERATIONS WITH THE ENGINEER AND CITY OF AURORA WATER PRODUCTION DIVISION.

USER NAME = nbarra	DESIGNED -	REVISED -
PLOT SCALE = 1:50	DRAWN -	REVISED -
PLOT DATE = 12/11/2014	CHECKED -	REVISED -
	DATE = 12/15/2014	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	35
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	
NO. OF SHEETS	
NO. OF SHEETS CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT CHECKED	

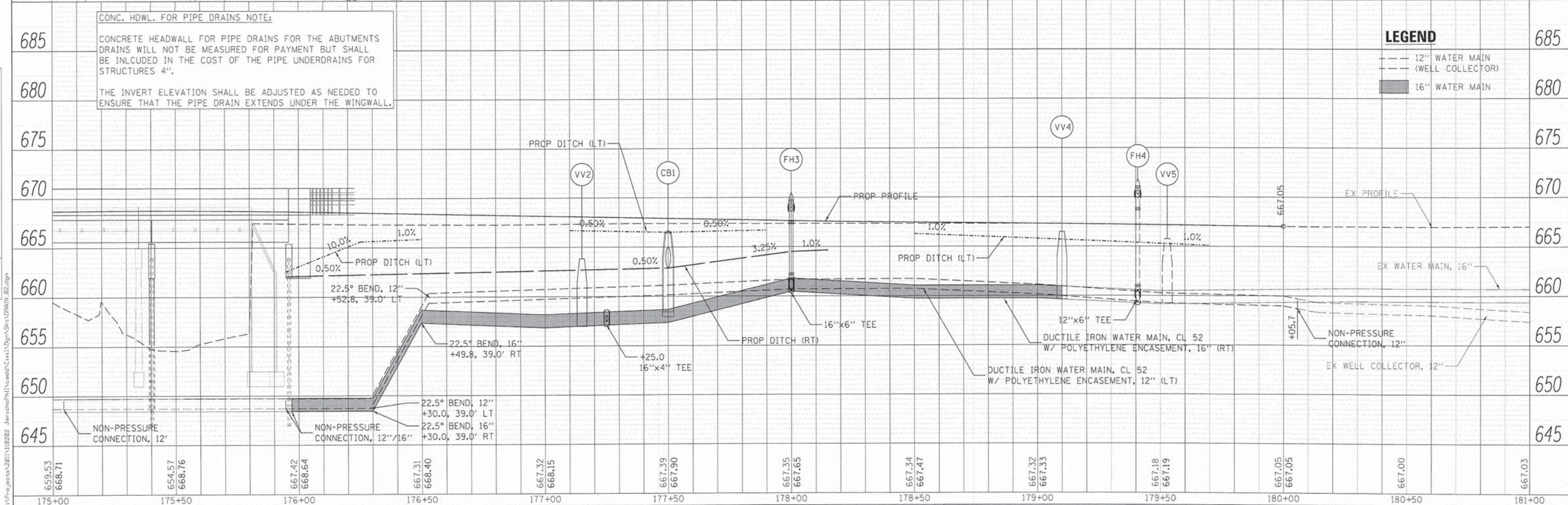
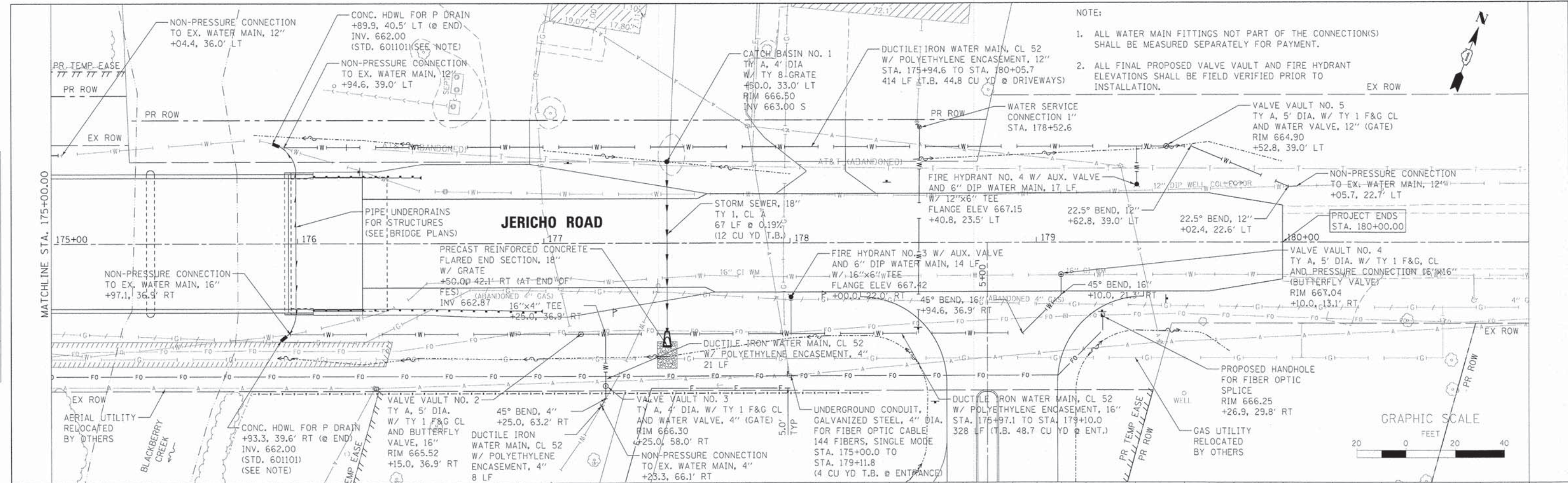
DATE	
BY	
PROFILE	
NO. OF SHEETS	
NO. OF SHEETS CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT CHECKED	
NO. OF SHEETS NOT CHECKED	



<b>WILLS BURKE KELSEY ASSOCIATES LTD.</b> 116 West Main Street, Suite 201 St Charles, Illinois 60174	USER NAME = nporris PLOT SCALE = 1:20 PLOT DATE = 12/11/2014	DESIGNED - SBP DRAWN - NDP CHECKED - SBP DATE - 12/15/2014	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE &amp; UTILITY</b> <b>PLAN &amp; PROFILE</b> SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. 170+85.00 TO STA. 175+00.00	F.A.U. RTE. 1542 SECTION 04-00329-00-BR COUNTY KANE TOTAL SHEET NO. 96 SHEETS 36 CONTRACT NO. 63873 ILLINOIS FED. AID PROJECT
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DATE	
BY	
REVISION	
NO.	
PLAN	
NO.	
DATE	
BY	
REVISION	
NO.	
PROFILE	
NO.	
DATE	
BY	
REVISION	
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DATE	
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REVISION	
NO.	
PROFILE	
NO.	
DATE	
BY	
REVISION	
NO.	



659.53	668.71	654.57	668.76	667.42	668.64	667.31	668.40	667.32	668.15	667.39	667.90	667.35	667.65	667.34	667.47	667.32	667.33	667.18	667.19	667.05	667.05	667.00	667.03
175+00	175+50	176+00	176+50	177+00	177+50	178+00	178+50	179+00	179+50	180+00	180+50	181+00											

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

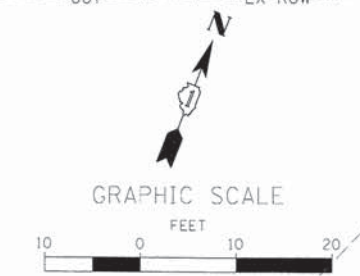
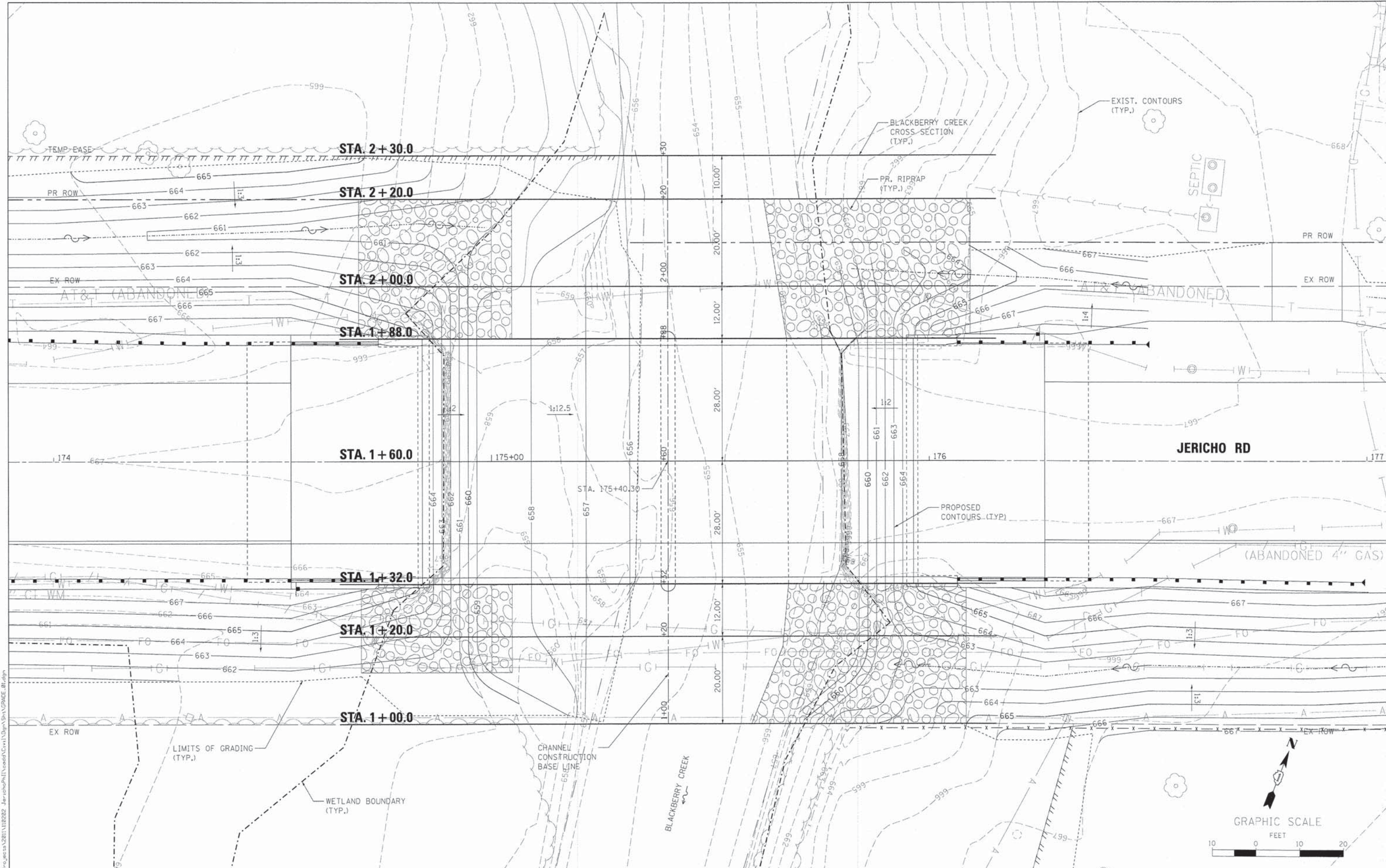
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PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DRAINAGE & UTILITY**  
**PLAN & PROFILE**

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. 175+00.00 TO STA. 180+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
1542	04-00329-00-BR	KANE	96 37
			CONTRACT NO. 63873
[ILLINOIS] FED. AID PROJECT			



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

USER NAME = mparis  
DESIGNED - SBP  
DRAWN - NDP  
CHECKED - SBP  
DATE - 12/15/2014  
PLOT SCALE = 1:10  
PLOT DATE = 12/11/2014

DESIGNED - SBP  
DRAWN - NDP  
CHECKED - SBP  
DATE - 12/15/2014  
REVISED -  
REVISED -  
REVISED -  
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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	38
CONTRACT NO. 63873				
[ILLINOIS] FED. AID PROJECT				

FILE NAME = M:\Projects\2011\120202 - Jericho\PHI\Drawings\Channel\Grading\GRADE.dwg

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

LEGEND

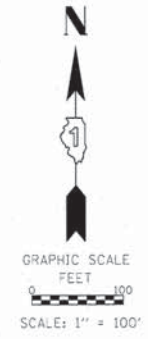
EXISTING R.O.W. RECORDED INFORMATION		
PARCEL	DOCUMENT NO.	DATE RECORDED
0001	CASE 76ED7850 365212 365213 365214	DEC. 17, 1976 JUNE 17, 1933 JUNE 17, 1933 JUNE 17, 1933
0003	358550 365212 365213 365214	AUG. 3, 1932 JUNE 17, 1933 JUNE 17, 1933 JUNE 17, 1933
0004	358550	AUG. 3, 1932
0005	358550	AUG. 3, 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



- 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' MEASURED DIMENSION
- (XXX.XX') RECORDED DATA
- o IP IRON PIPE OR ROD FOUND
- o FOUND DISK
- △ PK P.K. NAIL FOUND
- ⊗ 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.



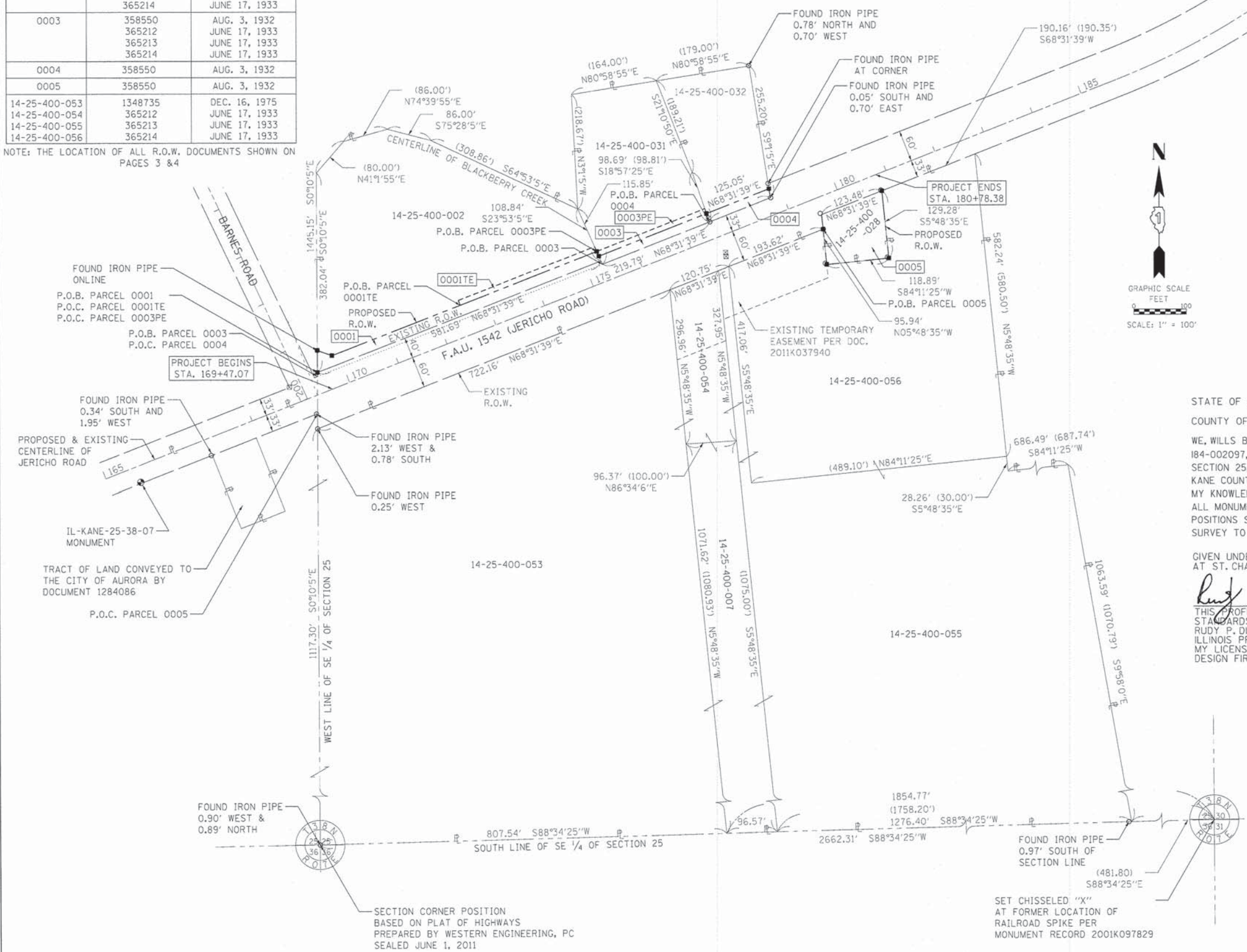
STATE OF ILLINOIS )  
COUNTY OF KANE )

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



**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

REVISION DATE: REVISION MADE BY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

JERICHO ROAD OVER BLACKBERRY CREEK PLAT OF HIGHWAYS		F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N.T.S.		1542	04-00329-00-BR	KANE	96	39
SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		CONTRACT NO. 63873		
ILLINOIS FED. AID PROJECT						











<p>WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174</p>	USER NAME = nparis	DESIGNED -	REVISED -
	PLOT SCALE = 1:100	DRAWN -	REVISED -
	PLOT DATE = 12/10/2014	CHECKED -	REVISED -
		DATE = 12/15/2014	REVISED -

FILE NAME: \\sps\projects\2011\12222 Jericho\Plat\Drawings\1001\1001.dwg

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

- 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.
- T2
- T3
- 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 )  
 ) SS  
 COUNTY OF KANE )

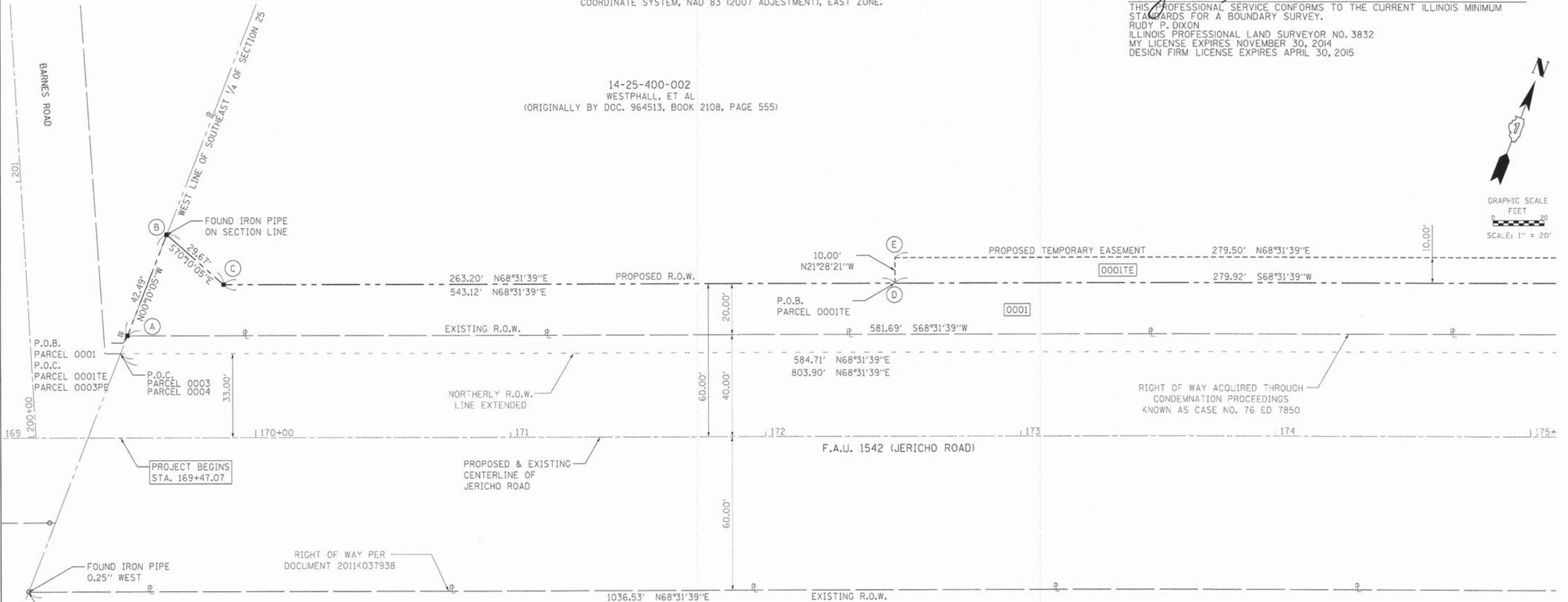
WE, WILLS BURKE KELSEY ASSOCIATES, ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER 184-002097, DO HEREBY DECLARE THAT THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 25, TOWNSHIP 38 NORTH, RANGE 7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY 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)

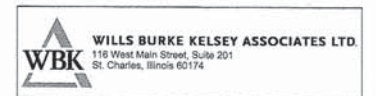


SEE SHEET 4 OF 4

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

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											



**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



USER NAME = nbariss	DESIGNED -	REVISED -
PLOT SCALE = 1:20	DRAWN -	REVISED -
PLOT DATE = 12/15/2014	CHECKED -	REVISED -
	DATE = 12/15/2014	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

JERICHO ROAD OVER BLACKBERRY CREEK  
 PLAT OF HIGHWAYS

SCALE: N.T.S. SHEET NO. 2 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	40

CONTRACT NO. 63873  
 ILLINOIS FED. AID PROJECT

FOR REFERENCE ONLY - NOT TO SCALE



PART OF THE SOUTHEAST QUARTER OF SECTION 25, T.38, R.7 EAST OF THE THIRD PRINCIPAL MERIDIAN, KANE COUNTY, ILLINOIS

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

**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
- EXISTING BUILDING
- 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.
- T2
- T3

- 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.

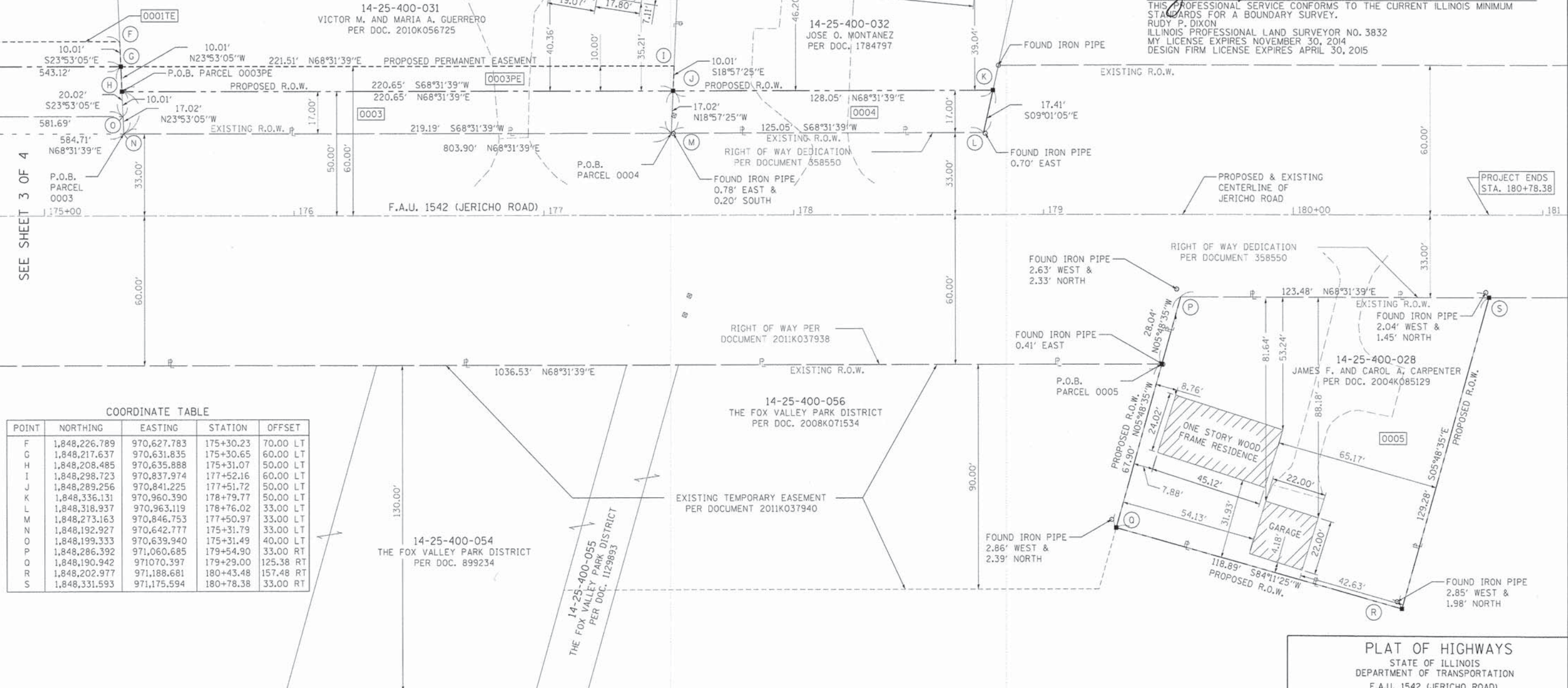
STATE OF ILLINOIS )  
COUNTY OF KANE )

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



**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	SO FT			ACRES	SQ FT			
0003	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	



**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 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

REVISION DATE: \_\_\_\_\_ REVISION \_\_\_\_\_ MADE BY \_\_\_\_\_

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**JERICHO ROAD OVER BLACKBERRY CREEK**  
**PLAT OF HIGHWAYS**

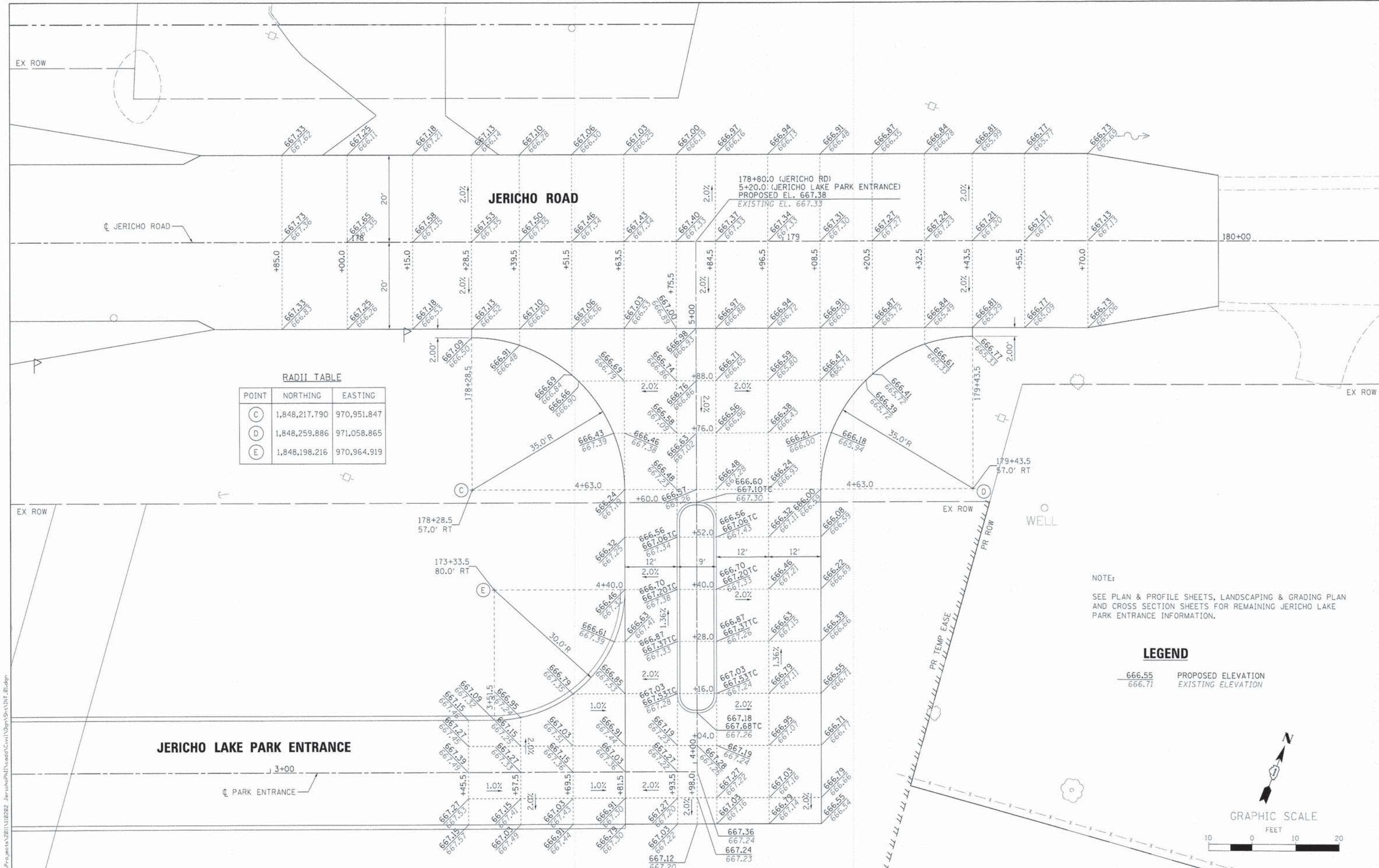
SCALE: N.T.S. SHEET NO. 3 OF 1 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	41

ILLINOIS FED. AID PROJECT CONTRACT NO. 63873

FILE NAME: M:\Projects\2011\118282 Jericho\Plat\1542\Drawings\1542\1542-03-00-00-00-00.dgn

FOR REFERENCE ONLY - NOT TO SCALE



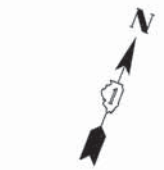
**RADI TABLE**

POINT	NORTHING	EASTING
(C)	1,848,217.790	970,951.847
(D)	1,848,259.886	971,058.865
(E)	1,848,198.216	970,964.919

NOTE:  
SEE PLAN & PROFILE SHEETS, LANDSCAPING & GRADING PLAN AND CROSS SECTION SHEETS FOR REMAINING JERICO LAKE PARK ENTRANCE INFORMATION.

**LEGEND**

666.55 PROPOSED ELEVATION  
 666.71 EXISTING ELEVATION



FILE NAME: M:\Projects\2011\110222 JerichoParkEntrance\Drawings\15-INT\_01.dwg

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

USER NAME = nparis	DESIGNED = SBP	REVISED =
PLOT SCALE = 1:10	DRAWN = NDP	REVISED =
PLOT DATE = 12/11/2014	CHECKED = SBP	REVISED =
	DATE = 12/15/2014	REVISED =

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**INTERSECTION GRADING PLAN**  
**JERICO LAKE PARK ENTRANCE**

SCALE: 1"=10'    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	96	42
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

NOTES:

1. ALL PERMANENT PAVEMENT MARKINGS ON FINAL SURFACES SHALL BE URETHANE AND SHALL FOLLOW IDOT DISTRICT ONE TYPICAL PAVEMENT MARKINGS) DETAIL AND THIS PLAN.
2. THE SIGNS ON THIS PLAN ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) SHALL SUPPLY AND ERECT ALL REGULATORY, RECREATIONAL AREA, KANE COUNTY STREAM SIGNS AND WARNING SIGNS WITHIN THE RIGHT-OF-WAY, ALONG JERICO ROAD. THE CONTRACTOR SHALL COORDINATE ALL SIGN INSTALLATION WORK WITH THE ENGINEER.
3. ALL FOX VALLEY PARK DISTRICT ENTRANCE SIGNAGE SHALL BE SUPPLIED AND ERECTED BY THE CONTRACTOR AND SHALL BE MOUNTED ON NEW TELESCOPING SIGN POST PER STANDARD T28001-01.
4. ALL FIRE DISTRICT SIGNS SHALL BE SUPPLIED AND ERECTED BY THE CONTRACTOR AND SHALL BE MOUNTED ON NEW TYPE A POST PER STANDARD 729001-01.

STUART SPORTS COMPLEX SIGN & M6-1(L)  
+00.0, 17.0' LT



BROWN SIGN W/ WHITE LETTERS & BORDER  
24"x36"  
171+00, 17.0' LT



W2-2  
30"x30"



W16-8P  
30"x8"

4" WHITE EDGE LINE  
STA. 169+45.0 TO  
STA. 175+00.0 (LT)

4" YELLOW SKIP DASH  
(10' DASH / 30' SKIP)  
STA. 169+45.0 TO  
STA. 175+00.0

TERMINAL MARKER  
DIRECT APPLIED

FIRE DISTRICT SIGNS:  
EXISTING FIRE DISTRICT SIGNS ARE TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. NEW SIGNS SHALL BE INSTALLED AT END OF CONSTRUCTION.

JERICO LAKE  
PARK ENTRANCE  
SIGN & M6-1(R)  
+00.0, 17.0' RT

TERMINAL MARKER  
DIRECT APPLIED

4" WHITE EDGE LINE  
STA. 169+45.0 TO  
STA. 175+00.0 (RT)



+55.8, 29.0' RT  
KANE CO. STREAMS SIGN  
& NAME PLATE  
W/TYPE "A" POST  
(RELOCATED)

GRAPHIC SCALE



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.

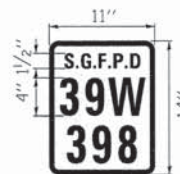
LEGEND

G-A GUARDRAIL MARKERS, TYPE A  
(SEE DETAIL THIS SHEET)

SPACING SHALL BE PER STD. 635006-03

FIRE DISTRICT SIGN DETAIL

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



KANE CO. STREAMS SIGN  
& NAME PLATE  
W/TYPE A POST  
(RELOCATED)

+27.8, 29.0' LT

TERMINAL MARKER  
DIRECT APPLIED

SGFPD SIGN  
39W398 & 39W394  
+09.8, 32.7' LT  
(SEE DETAIL)

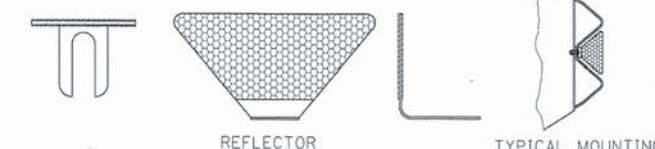
SGFPD SIGN  
39W376  
+39.3, 25.0' LT  
(SEE DETAIL)



W14-3  
48"x48"x36"  
+73.7, 23.0' LT

GUARDRAIL MARKER, TYPE A

GUARDRAIL MARKERS SHALL BE REFLECTIVE ON ONE SIDE OF THE MARKER (WHITE) ONLY FACING ONCOMING TRAFFIC.



4" WHITE EDGE LINE  
STA. 175+00.0 TO  
STA. 181+00.0 (LT)

JERICO ROAD

4" YELLOW SKIP DASH  
(10' DASH / 30' SKIP)  
STA. 175+00.0 TO  
STA. 178+74.00

MAIL BOX  
39W376  
+13.0, 22.9' RT

4" WHITE EDGE LINE  
STA. 175+00.0 TO  
STA. 181+00.0 (RT)

MAIL BOX  
39W398  
+28, 29.8' RT

TERMINAL MARKER  
DIRECT APPLIED

SEE PAVEMENT MARKING  
& SIGNING PLAN SHEET  
2 OF 2 FOR NOTES ON  
JERICO LAKE PARK  
ENTRANCE WELL



R2-1  
24"x30"  
+53.0, 23.0' RT

4" YELLOW SKIP DASH  
(10' DASH / 30' SKIP)  
4" YELLOW SOLID LINE  
STA. 178+74.0 TO  
STA. 181+00.00

GRAPHIC SCALE



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

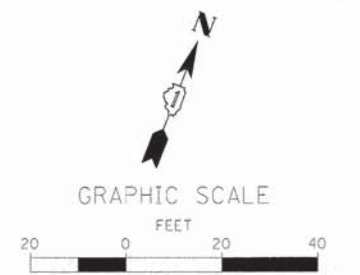
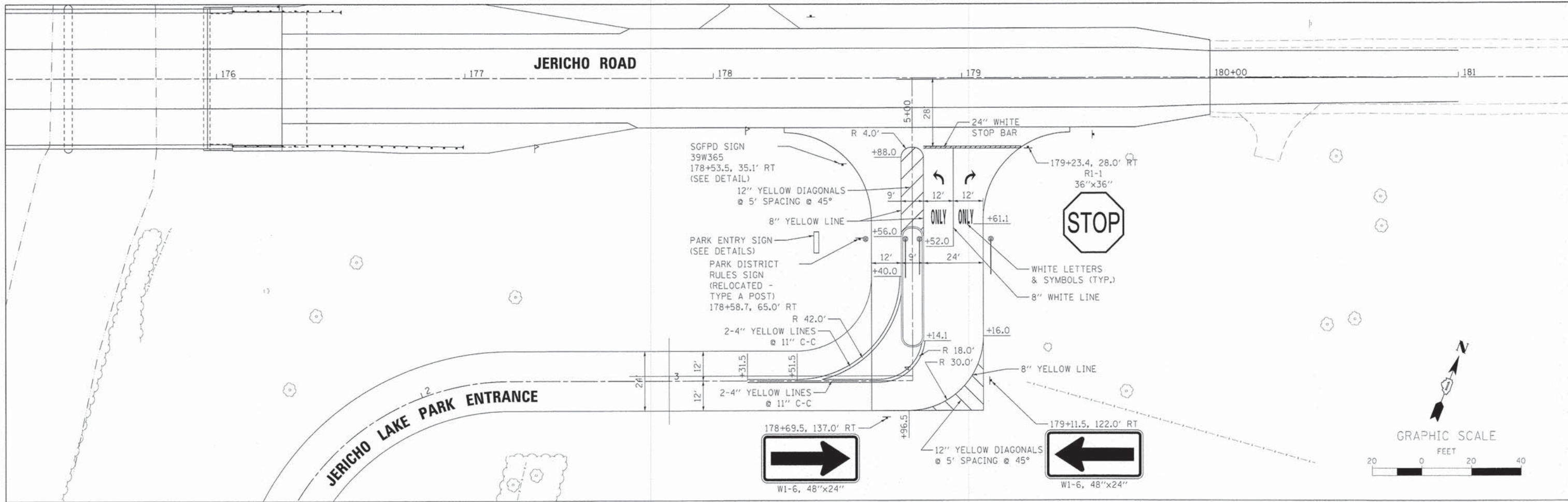
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PLOT DATE: 12/11/2014	CHECKED: SBP	REVISED:
	DATE: 12/15/2014	REVISED:

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING  
& SIGNING PLAN

SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. 170+85.00 TO STA. 180+00.00

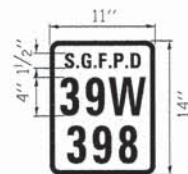
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	43
				CONTRACT NO. 63873
ILLINOIS FED. AID PROJECT				



NOTES:

1. ALL PERMANENT PAVEMENT MARKINGS ON FINAL SURFACES SHALL BE URETHANE AND SHALL FOLLOW IDOT D1 TC13 (DISTRICT ONE TYPICAL PAVEMENT MARKINGS) DETAIL AND THIS PLAN.
2. THE SIGNS ON THIS PLAN ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE KANE COUNTY DIVISION OF TRANSPORTATION (KDOT) SHALL SUPPLY AND ERECT ALL REGULATORY, RECREATIONAL AREA, KANE COUNTY STREAM SIGNS AND WARNING SIGNS WITHIN THE RIGHT-OF-WAY, ALONG JERICO ROAD. THE CONTRACTOR SHALL COORDINATE ALL SIGN INSTALLATION WORK WITH THE ENGINEER.
3. ALL FOX VALLEY PARK DISTRICT ENTRANCE SIGNAGE SHALL BE SUPPLIED AND ERECTED BY THE CONTRACTOR AND SHALL BE MOUNTED ON NEW TELESCOPING SIGN POST PER STANDARD 728001-01.
4. ALL FIRE DISTRICT SIGNS SHALL BE SUPPLIED AND ERECTED BY THE CONTRACTOR AND SHALL BE MOUNTED ON NEW TYPE A POST PER STANDARD 729001-01.
5. ALL SIGNS ALONG JERICO LAKE PARK ENTRANCE ARE STATIONED AND OFFSET FROM JERICO ROAD CENTERLINE

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.



**FIRE DISTRICT SIGN DETAIL**

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

FILE NAME: M:\Projects\2811\110282 - Jericho Park\Drawings\Signs\SPK\_02.dwg



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PLOT SCALE = 1:20,000	DRAWN - NDP	REVISED -
PLOT DATE = 12/31/2014	CHECKED - SBP	REVISED -
	DATE = 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING &amp; SIGNING PLAN</b>	
SCALE: 1"=20'	SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	44
CONTRACT NO.				
[ILLINOIS] FED. AID PROJECT				

**LEGEND**



PROPOSED TREE



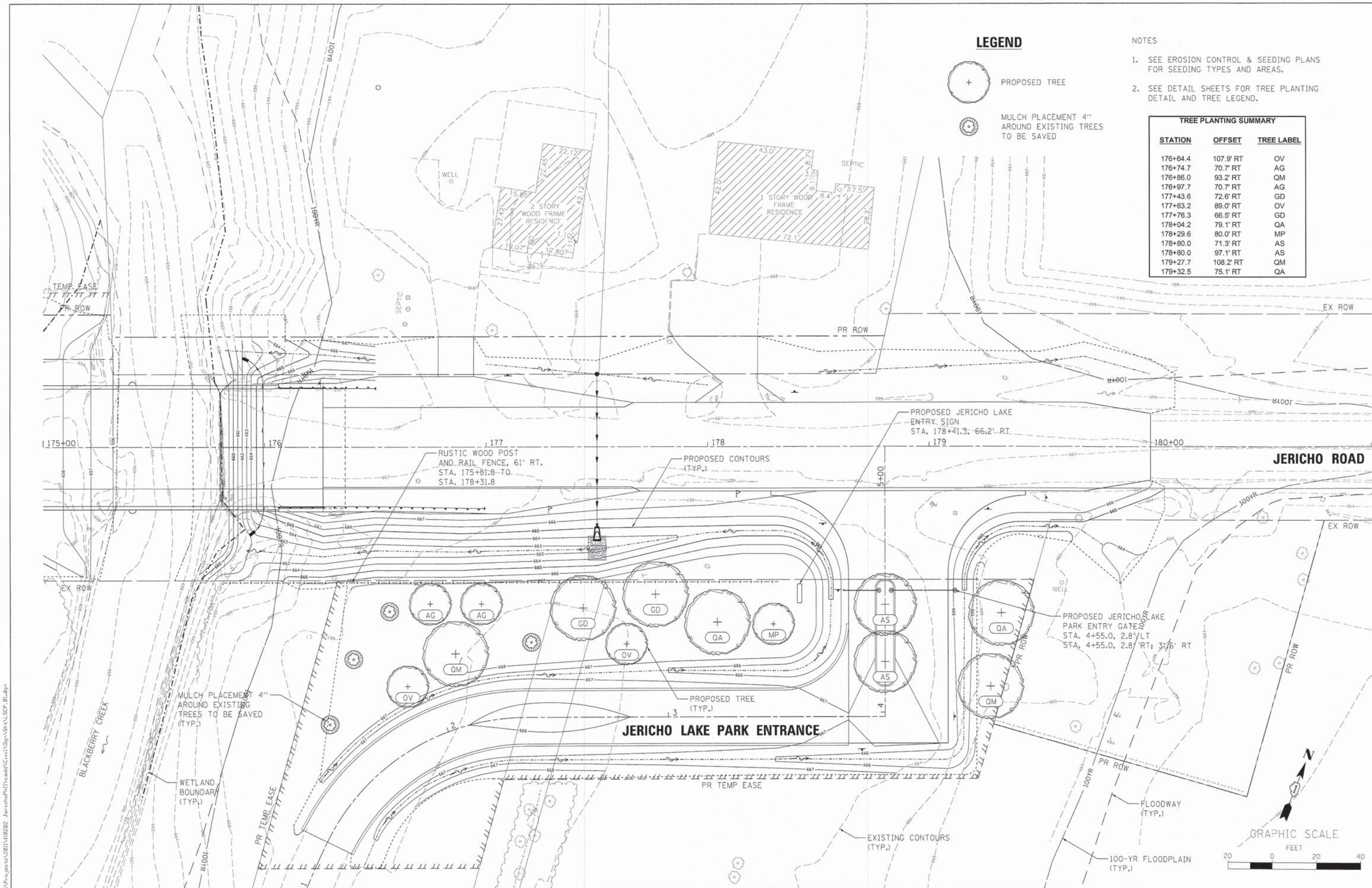
MULCH PLACEMENT 4" AROUND EXISTING TREES TO BE SAVED

**NOTES**

1. SEE EROSION CONTROL & SEEDING PLANS FOR SEEDING TYPES AND AREAS.
2. SEE DETAIL SHEETS FOR TREE PLANTING DETAIL AND TREE LEGEND.

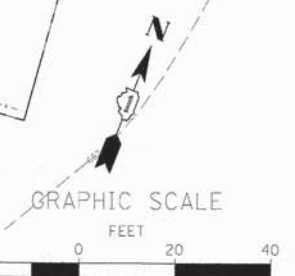
**TREE PLANTING SUMMARY**

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



**JERICHO ROAD**

**JERICHO LAKE PARK ENTRANCE**



FILE NAME: K:\Projects\2011\118222 - Jericho\Phil\Needle\Civil\Drawn\Sheet\1509.dwg

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

USER NAME = ndp118	DESIGNED - L/JL	REVISED -
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	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING & GRADING PLAN**  
**JERICHO LAKE PARK ENTRANCE**  
 SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 45
			CONTRACT NO. 63873	
[ILLINOIS] FED. AID PROJECT				

**BENCHMARK**

IL KANE 25 38 7; Elev. 667.658 (NAVD 88)

**EXISTING STRUCTURE**

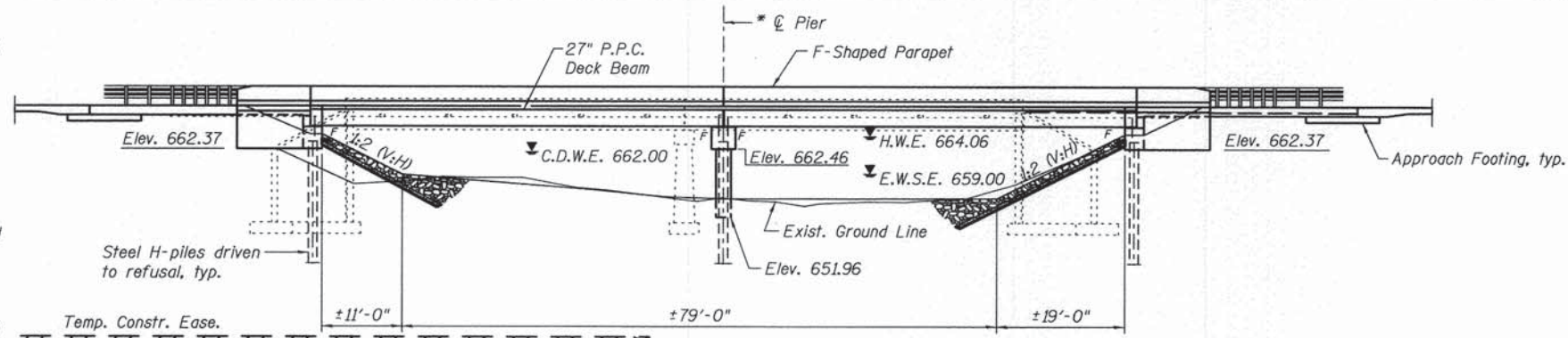
Structure No. 045-3010 was originally built in 1933 and reconstructed in 1977. The structure was widened during the 1977 reconstruction and was designed for HS20 loading. The structure is a two-lane, two-span precast prestressed concrete (PPC) deck beam bridge supported on spread footings. The structure 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.

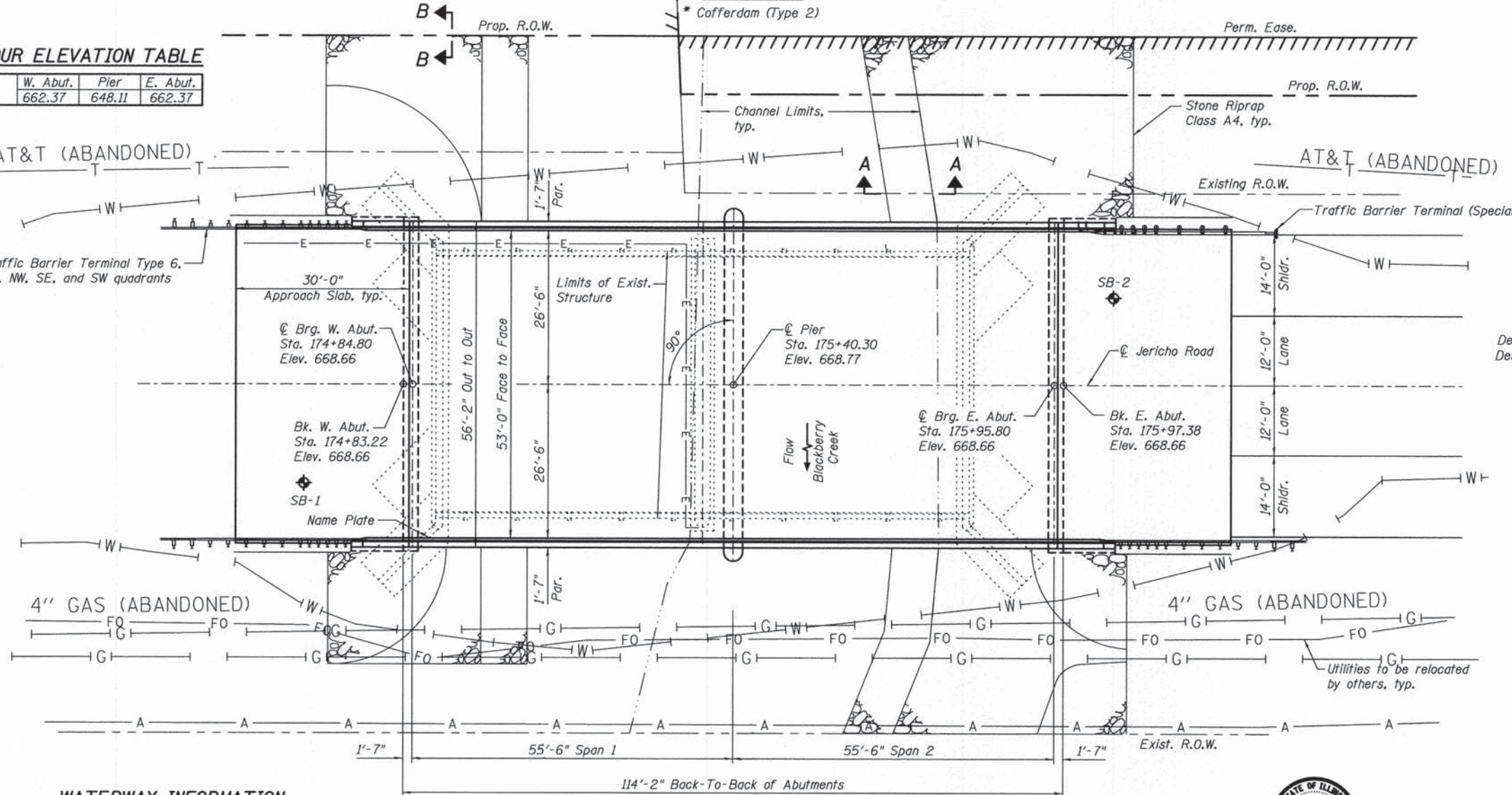
No Salvage

**DESIGN SCOUR ELEVATION TABLE**

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



**ELEVATION**

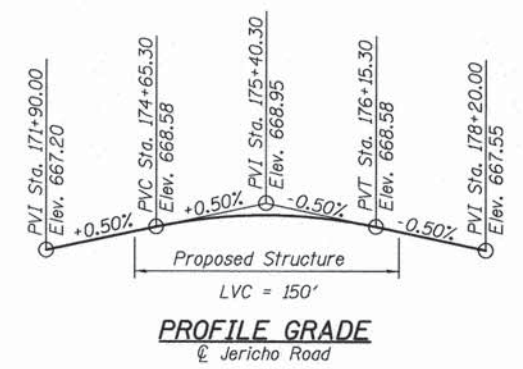


**PLAN**

**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.		Head - Ft.		Headwater El.		
			Exist.	Prop.	H.W.E. Exist.	H.W.E. Prop.	Exist.	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
Max. Calc.	100	3018	652	779	665.04	1.12	1.04	666.16	666.08



**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" low lax. Strands)  
fpbt = 201,960 psi (1/2" low lax Strands)

**LOADING HL-93**

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

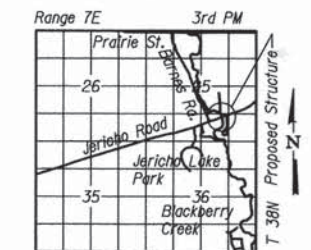
**SEISMIC DATA**

Seismic Performance Zone (SPZ) = 1  
Design Spectral Acceleration at 1.0 sec. (SD1) = .091g  
Design Spectral Acceleration at 0.2 sec. (SD5) = .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**  
**JERICHO ROAD OVER BLACKBERRY CREEK**

SEC. 04-00329-00-BR

KANE COUNTY

STATION 175+40.30

STRUCTURE NO. 045-3190



Signature: *Andrew E. Underwagner*  
Date: 12-5-2014  
License Expires: 11-30-2016

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".

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

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PLLOT SCALE = #SCALE#	CHECKED - AEU	REVISED -
PLLOT DATE = 12/5/2014	DRAWN - HLF	REVISED -
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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	46
CONTRACT NO. 63873				

SHEET NO. 1 OF 15 SHEETS

ILLINOIS FED. AID PROJECT

FILE NAME = \\n:\proj\2011\10202 JerichoRd\1\road\Structure\1\Drawings\0453190-001-01A.dgn



**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.

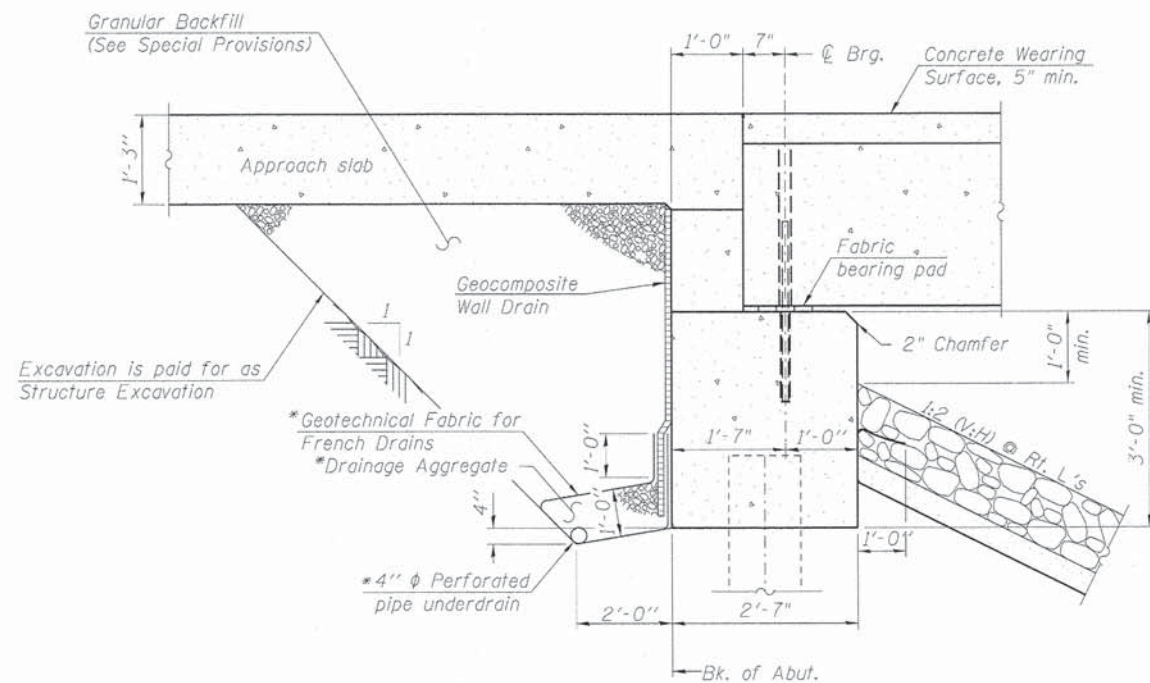
Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

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.

Removal of the existing HMA overlay on the bridge is included in the pay item "Removal of Existing Structures".



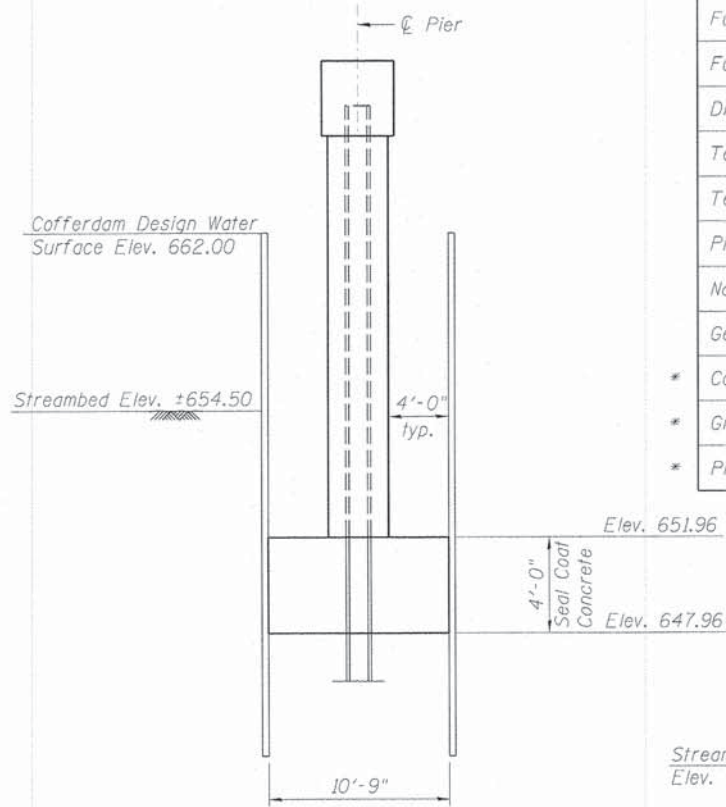
**SECTION THRU ABUTMENT**

\*Included in the cost of Pipe Underdrains for Structures, 4".  
(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).

**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



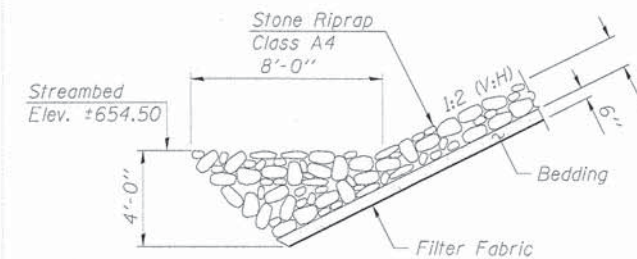
**COFFERDAM DETAIL**

Note:  
A water surface elevation of 662.00 will be the basis of the cofferdam design. It is the Contractor's 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".

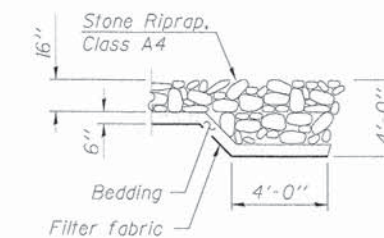
**TOTAL BILL OF MATERIAL**

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.	----	238	238
Cofferdam Excavation	Cu. Yd.	----	177	177
Cofferdam (Type 2) (Location-1)	Each	----	1	1
Concrete Structures	Cu. Yd.	----	183.1	183.1
Concrete Superstructure	Cu. Yd.	179.7	----	179.7
Bridge Deck Grooving	Sq. Yd.	984	----	984
Seal Coat Concrete	Cu. Yd.	----	108.7	108.7
Concrete Encasement	Cu. Yd.	----	8.4	8.4
Protective Coat	Sq. Yd.	1,134	----	1,134
* Precast Prestressed Concrete Deck Beams (27" Depth)	Sq. Ft.	6,277	----	6,277
Reinforcement Bars, Epoxy Coated	Pound	57,820	14,120	71,940
Furnishing Steel Piles HP 12X53	Foot	----	638	638
Furnishing Steel Piles HP 12X63	Foot	----	300	300
Driving Piles	Foot	----	938	938
Test Pile Steel HP 12X53	Each	----	2	2
Test Pile Steel HP 12X63	Each	----	1	1
Pile Shoes	Each	----	35	35
Name Plate	Each	----	1	1
Geocomposite Wall Drain	Sq. Yd.	----	59	59
* Concrete Wearing Surface, 5"	Sq. Yd.	698	----	698
* Granular Backfill for Structures	Cu. Yd.	----	88	88
* Pipe Underdrain for Structures 4"	Foot	----	178	178

\* Denotes a Special Provision



**SECTION A-A**



**SECTION B-B**

FILE NAME: M:\Projects\2011\112222 - Jarrico\PH1\cadd\5-structure\N\Drawn\04531109.dwg 402 - Gen\Draw.dwg

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

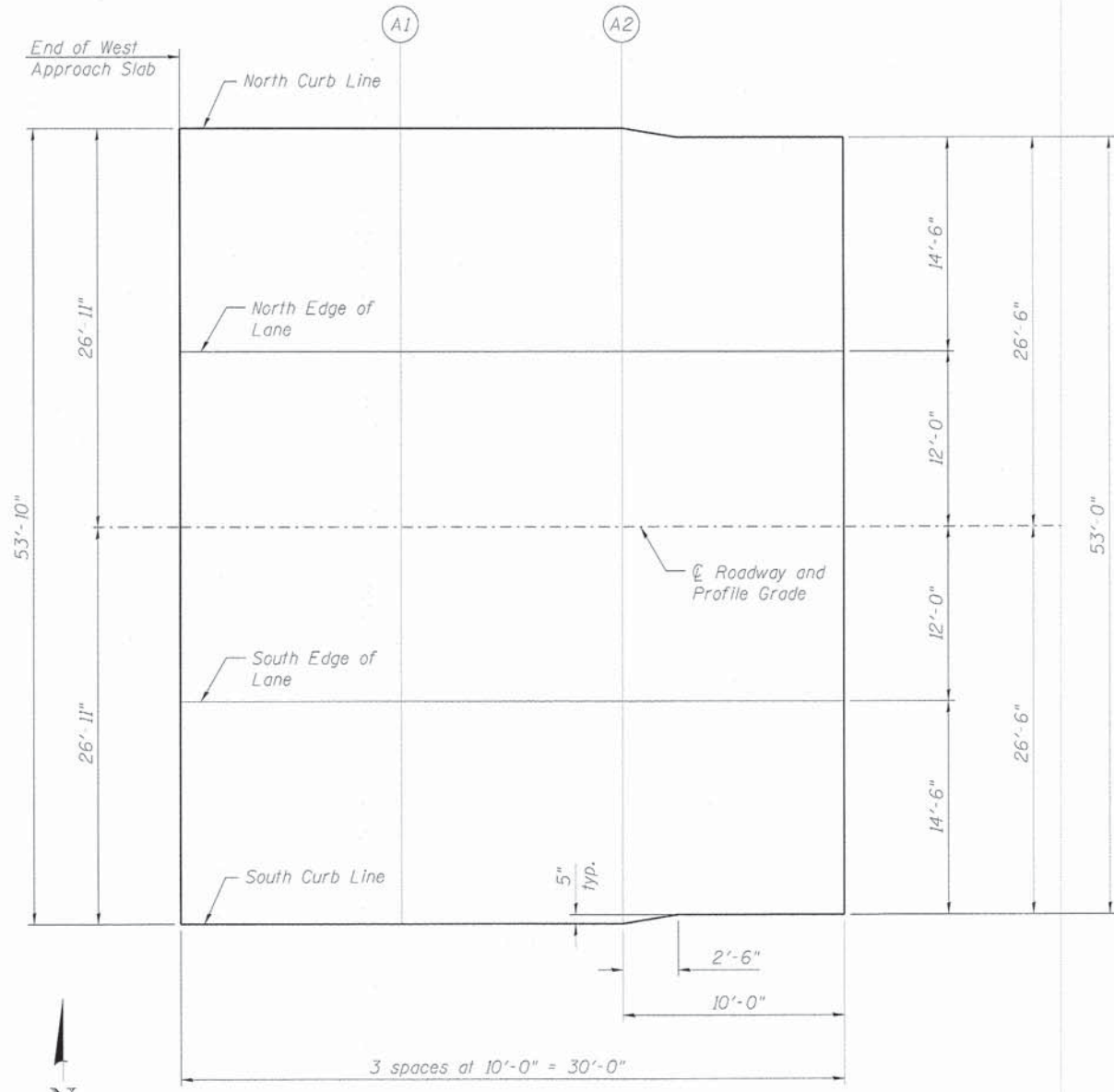
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA  
STRUCTURE NO. 045-3190**

SHEET NO. 2 OF 15 SHEETS

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	47
CONTRACT NO. 63873				
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

**☉ ROADWAY & P.G.**

Location	Station	Offset	Theoretical Grade Elevations
End W. Appr. Slab	174+54.22	0.00	668.52
A1	174+64.22	0.00	668.57
A2	174+74.22	0.00	668.62
Begin W. Appr. Slab	174+84.22	0.00	668.66

**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

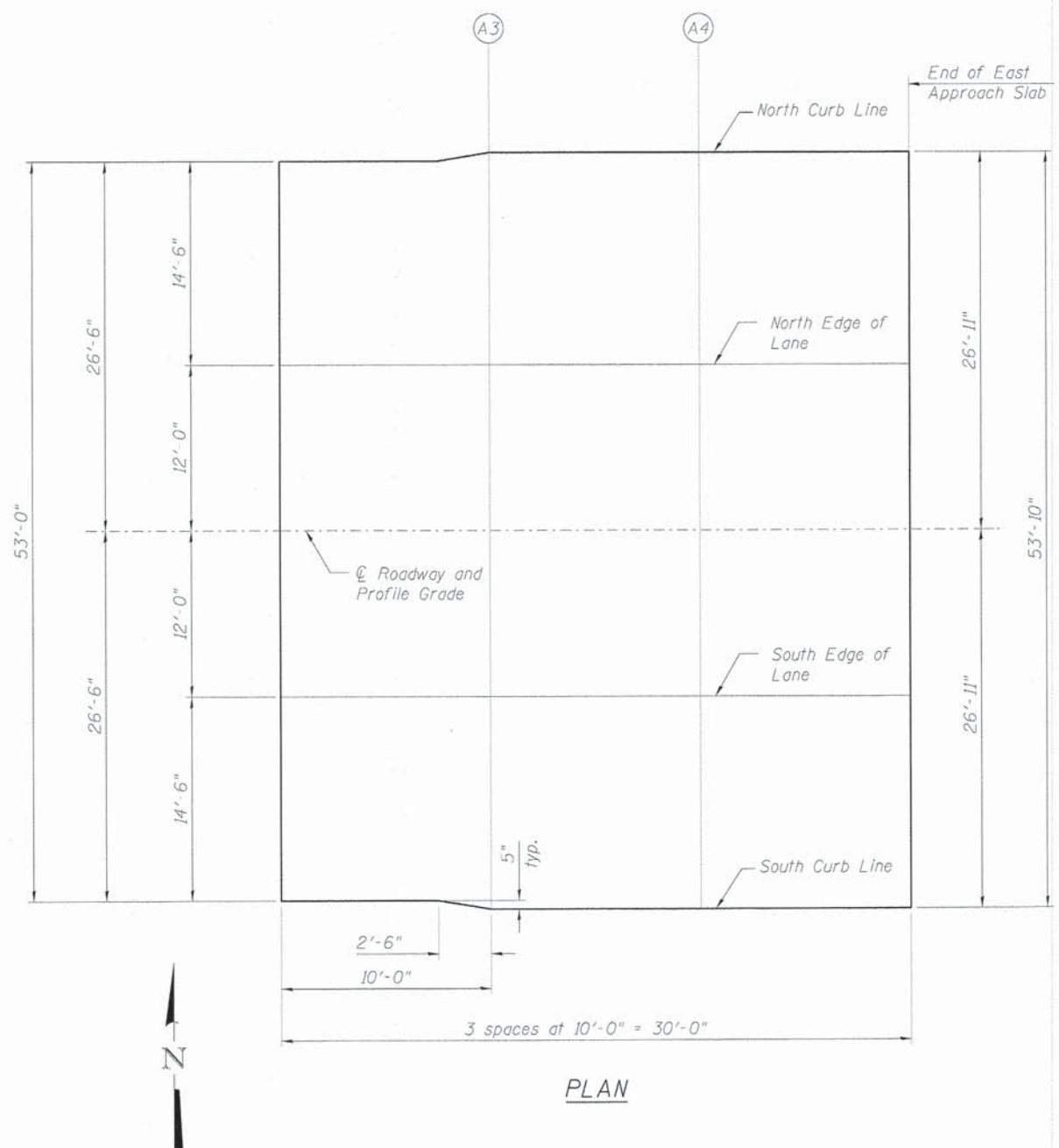
**SOUTH CURB LINE**

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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FILE NAME: M:\Projects\2011\118222 - Jericho\PH\Roads\Structure\1\Drawings\845319p-984-EpprSlabElev.dgn



PLAN

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

ROADWAY & P.G.

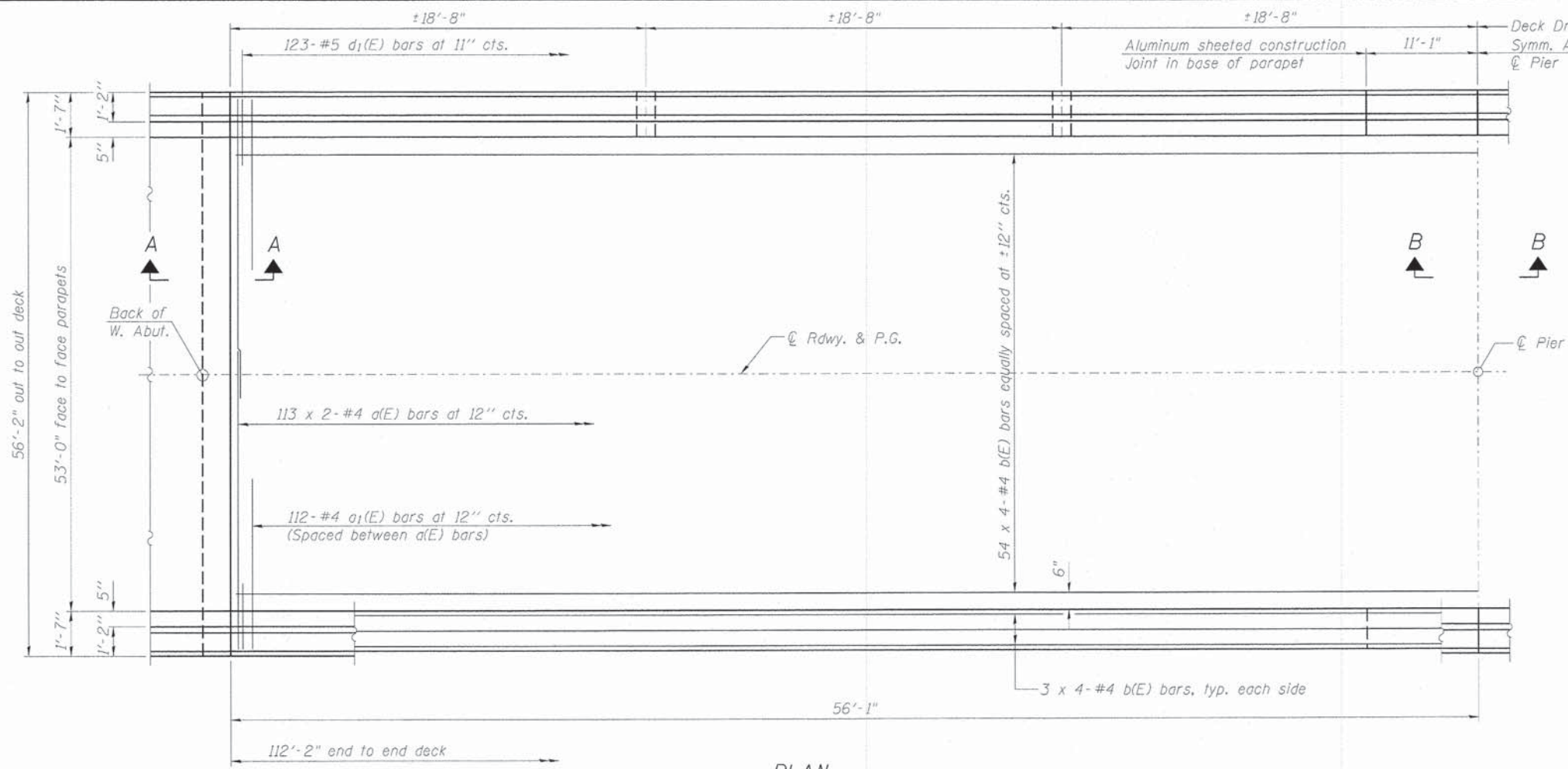
Location	Station	Offset	Theoretical Grade Elevations
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A3	176+06.38	0.00	668.62
A4	176+16.38	0.00	668.57
End E. Appr. Slab	176+26.38	0.00	668.52

SOUTH EDGE OF LANE

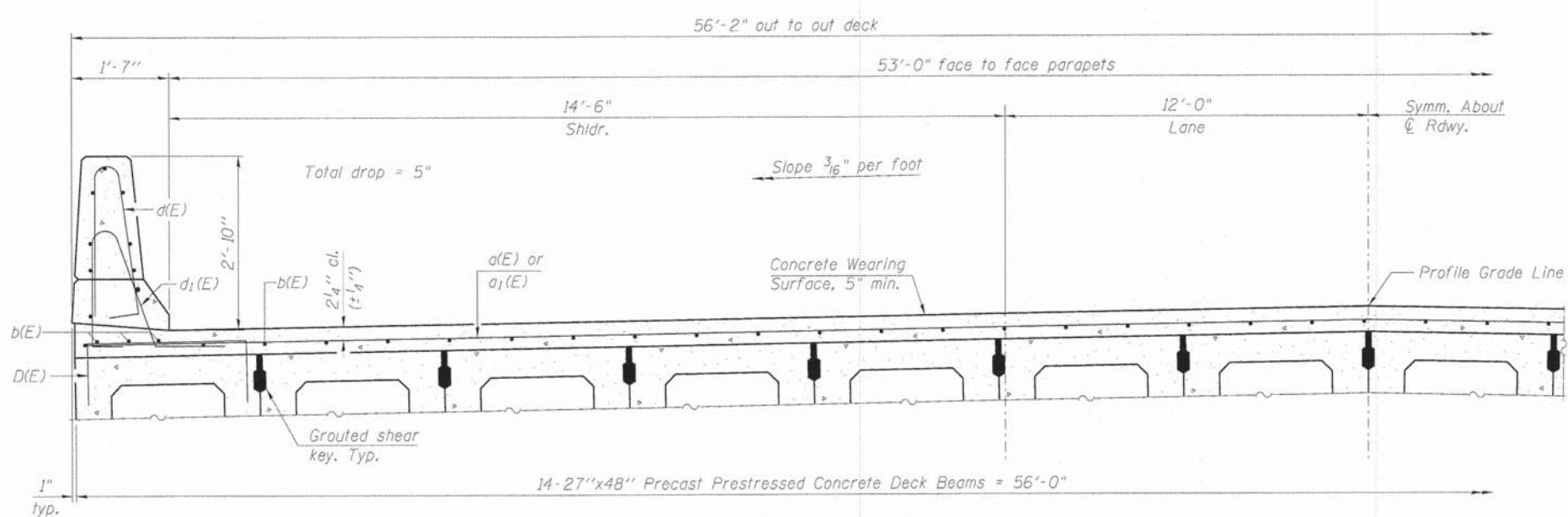
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A4	176+16.38	12.00	668.39
End E. Appr. Slab	176+26.38	12.00	668.34

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

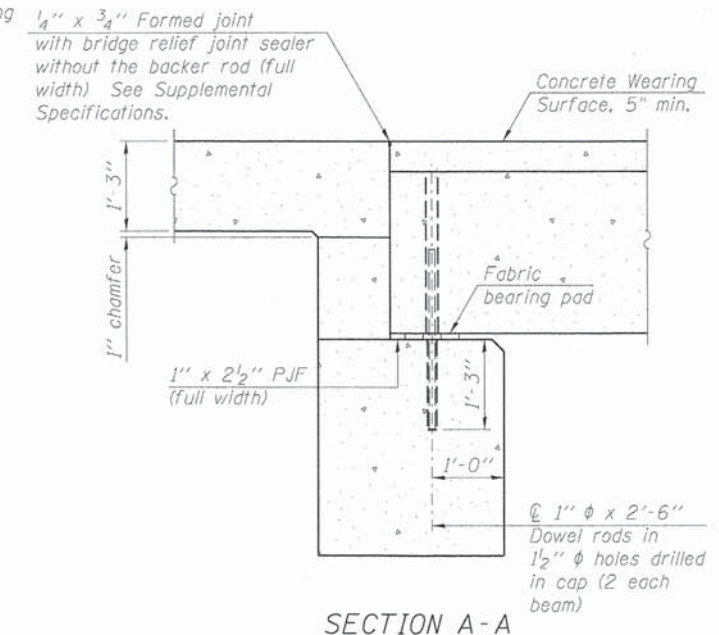


PLAN



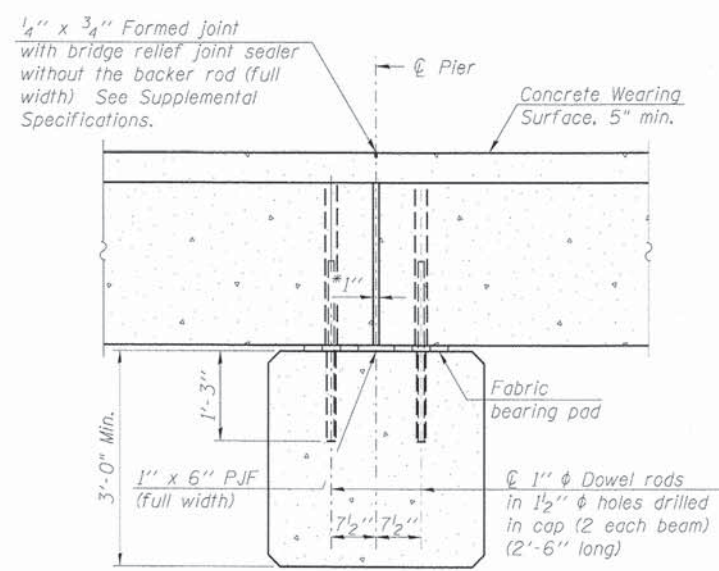
PARTIAL CROSS SECTION  
(Looking Upstation)

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.

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

FILE NAME: M:\Projects\2011\112202 - Jernich\PH\1\Road\Structure\1\Drawn\045319p-085-Superstructure.rwdgn



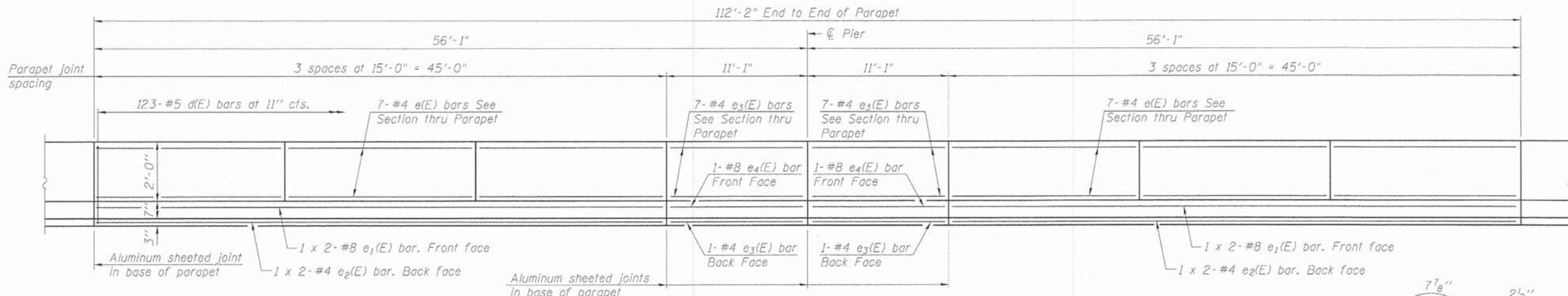
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE  
STRUCTURE NO. 045-3190

SHEET NO. 5 OF 15 SHEETS

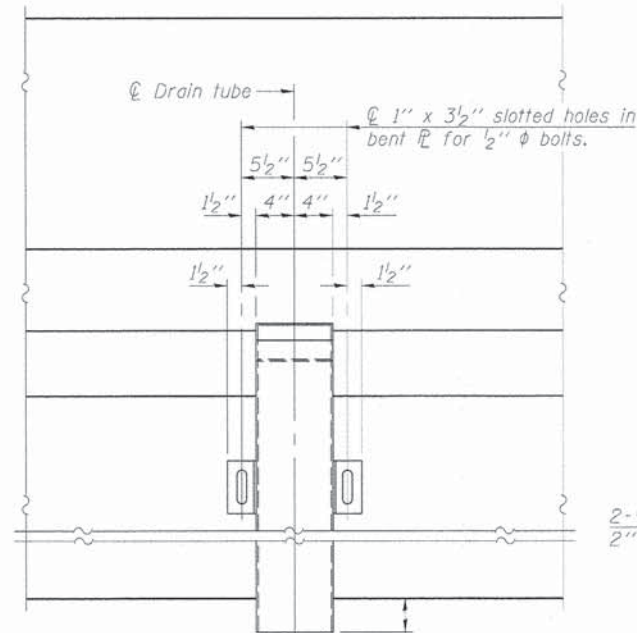
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	50
CONTRACT NO. 63873			[ILLINOIS] FED. AID PROJECT	



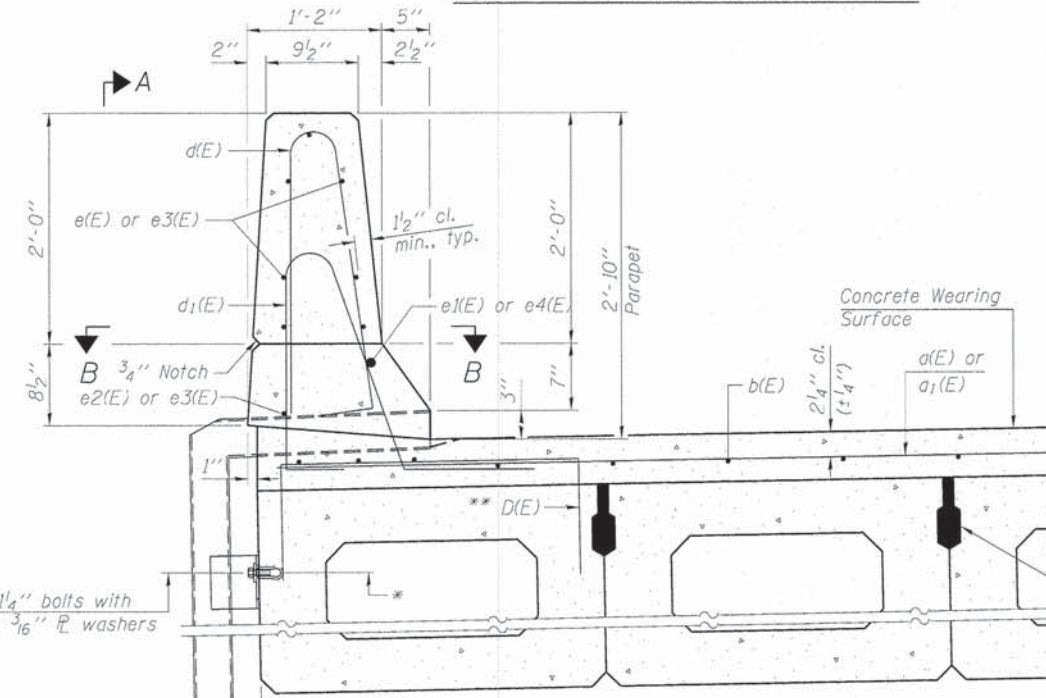
**MINIMUM BAR LAP**

#4 bar = 2'-0"  
 #8 bar = 5'-2"

**INSIDE ELEVATION OF PARAPET**

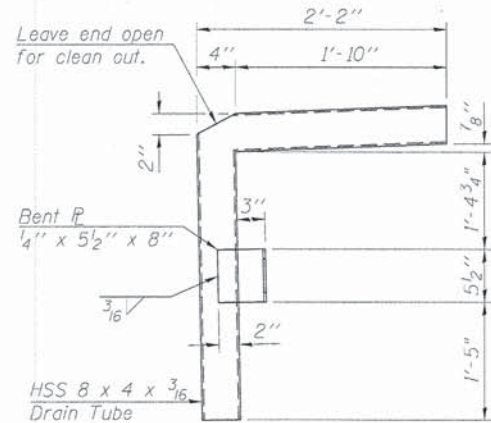


**VIEW A-A**

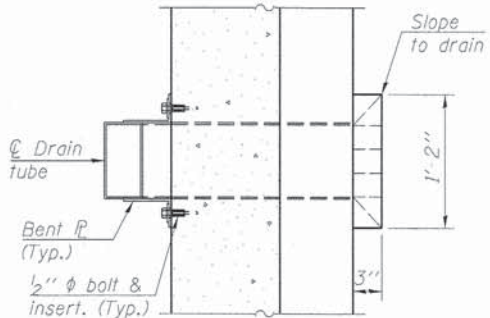


**SECTION THRU PARAPET**

\* Loop Ferrule inserts for 1/2" bolts. Place at center of beam depth.  
 \*\* Place #4 D(E) bars at 9" cts. in fascia beam. D(E) bar included in cost of beam.

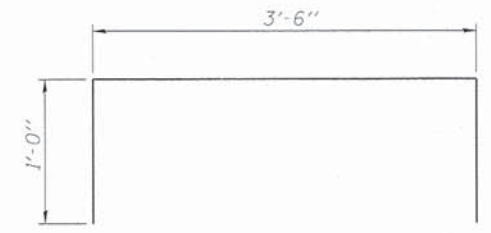


**DETAIL A**

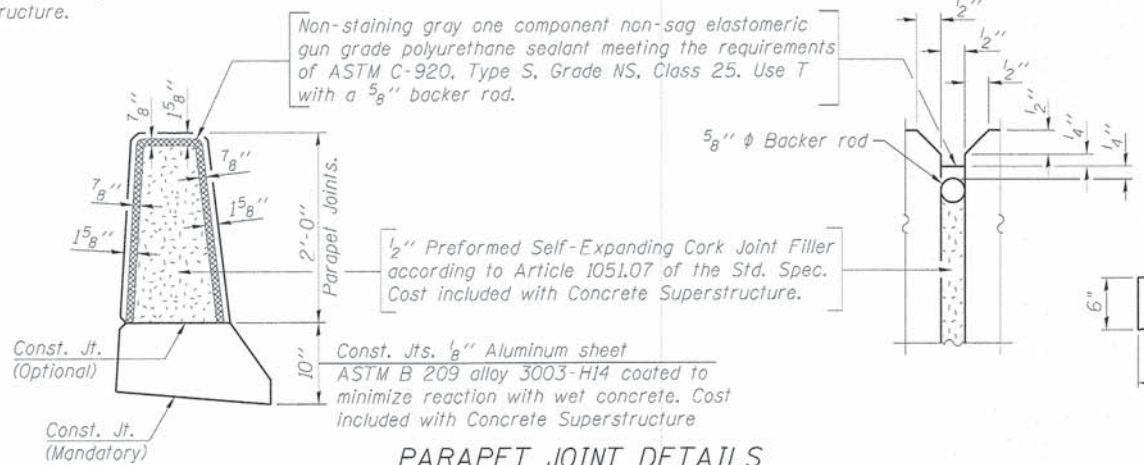


**SECTION B-B**

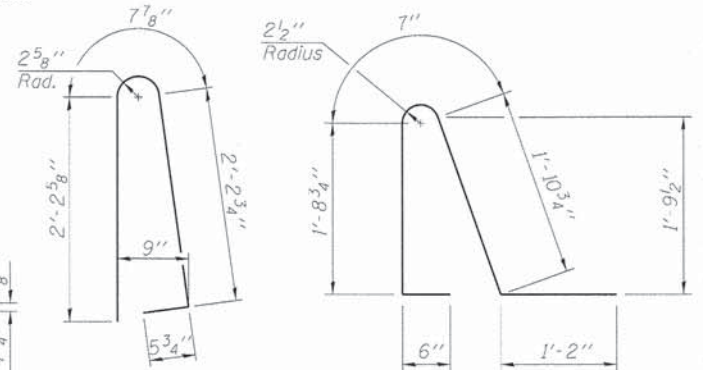
Note:  
 All drain tubes and accessories shall be galvanized according to AASHTO M111 or M232, (as applicable).  
 The cost of the drain tube assemblies and everything necessary for their installation is included with Concrete Superstructure.



**BAR D(E)**



**PARAPET JOINT DETAILS**



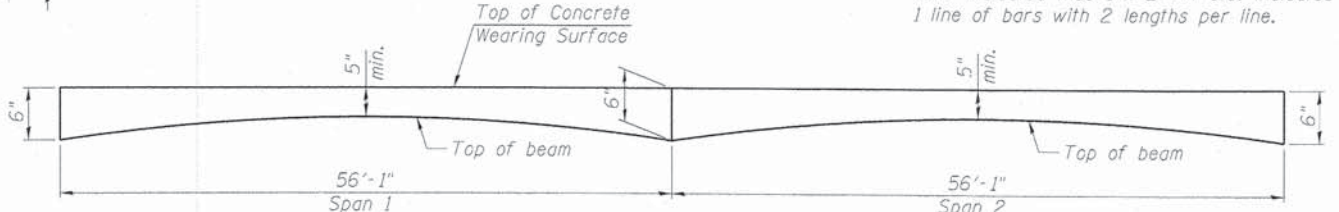
**BAR d(E)**

**BAR d1(E)**

**SUPERSTRUCTURE BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	226	#4	29'-3"	—
a1(E)	224	#4	6'-0"	—
b(E)	240	#4	29'-11"	—
d(E)	246	#5	5'-7"	⌒
d1(E)	246	#5	5'-11"	⌒
e(E)	84	#4	14'-8"	—
e1(E)	8	#8	24'-11"	—
e2(E)	8	#4	23'-4"	—
e3(E)	32	#4	10'-9"	—
e4(E)	4	#8	10'-9"	—
Bridge Deck Grooving		Sq. Yd.	635	
Protective Coat		Sq. Yd.	754	
Reinforcement Bars, Epoxy Coated		Pound	14,880	
Concrete Superstructure		Cu. Yd.	24.8	
Concrete Wearing Surface, 5"		Sq. Yd.	698	

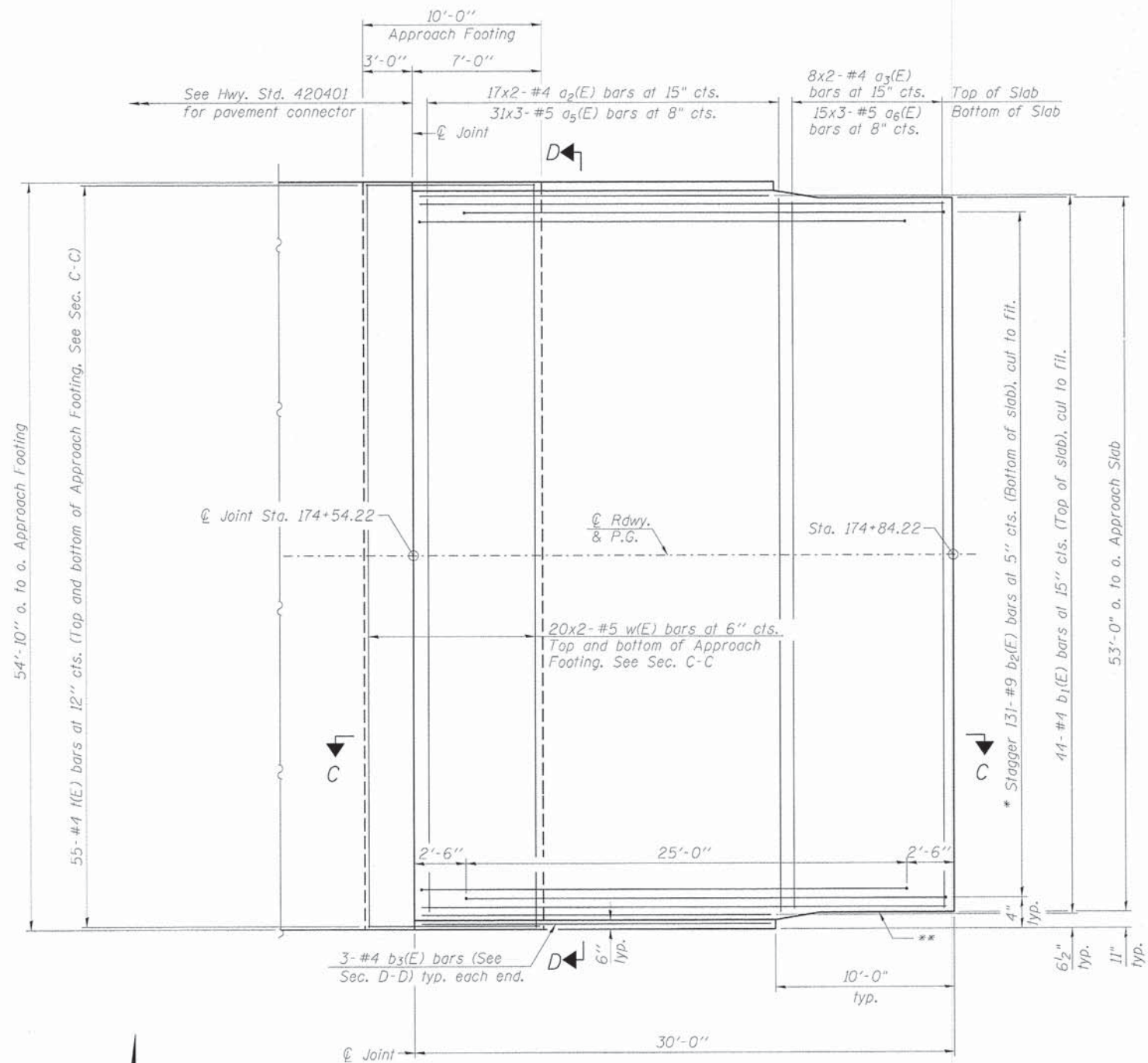
Bars indicated thus 1 x 2-#4 etc. indicates 1 line of bars with 2 lengths per line.



**ANTICIPATED CONCRETE WEARING SURFACE PROFILE**

(For information only)

FILE NAME: \\P:\projects\2011\110202 - Jarricho\PH1\asud\Structure\1\0.dgn 6/4/11 9:46:53 AM Super-Details.rvt

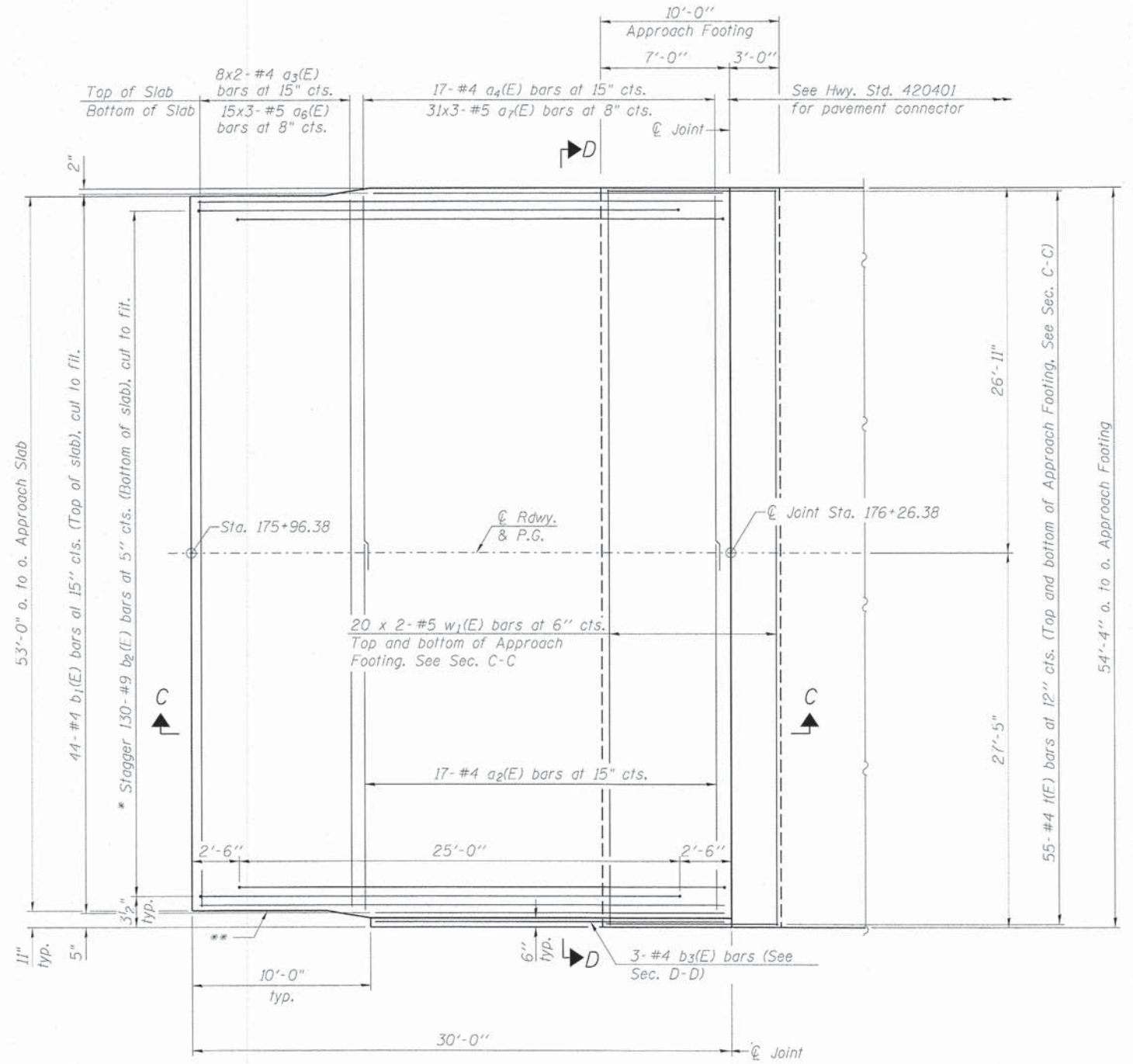


WEST APPROACH PLAN

\* Till #9 b<sub>2</sub>(E) bars as required to maintain clearance.  
\*\* 1" PJF according to Article 1051.09 of the Standard Specifications; full depth of slab, full length of parapet. Typ. each parapet.

MINIMUM BAR LAP

#4 bar = 2'-7"  
#5 bar = 3'-3"



EAST APPROACH PLAN

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

(Sheet 1 of 2)

FILE NAME: W:\Projects\2811\18282 - Jericho\PH1\Cadd\Struct\w-bur-a\Ugn\194531ng-007-Appr-SlabDetail.dgn



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

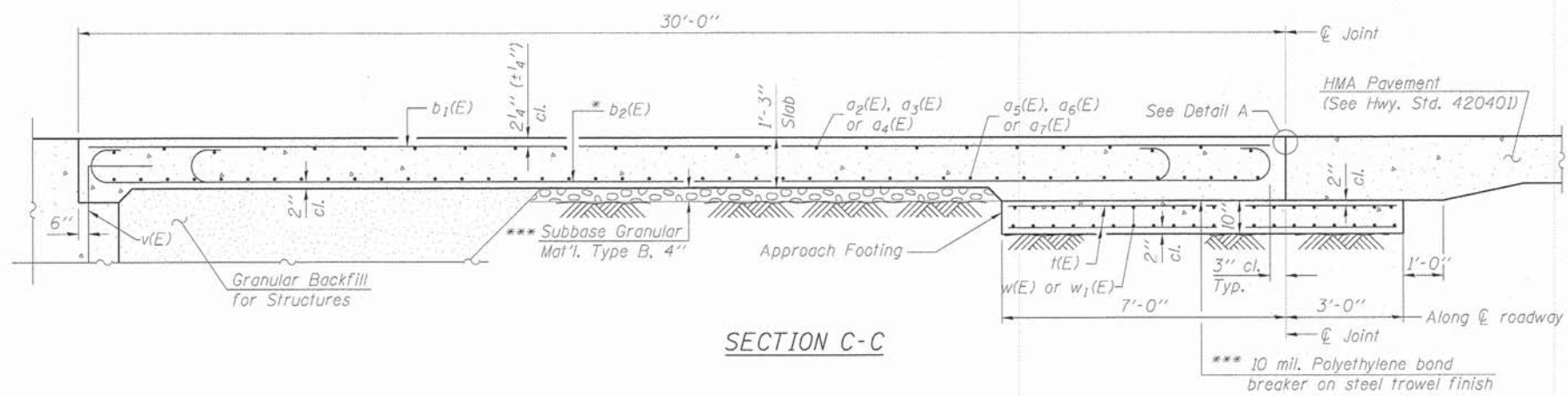
BRIDGE APPROACH SLAB DETAILS  
STRUCTURE NO. 045-3190

SHEET NO. 7 OF 15 SHEETS

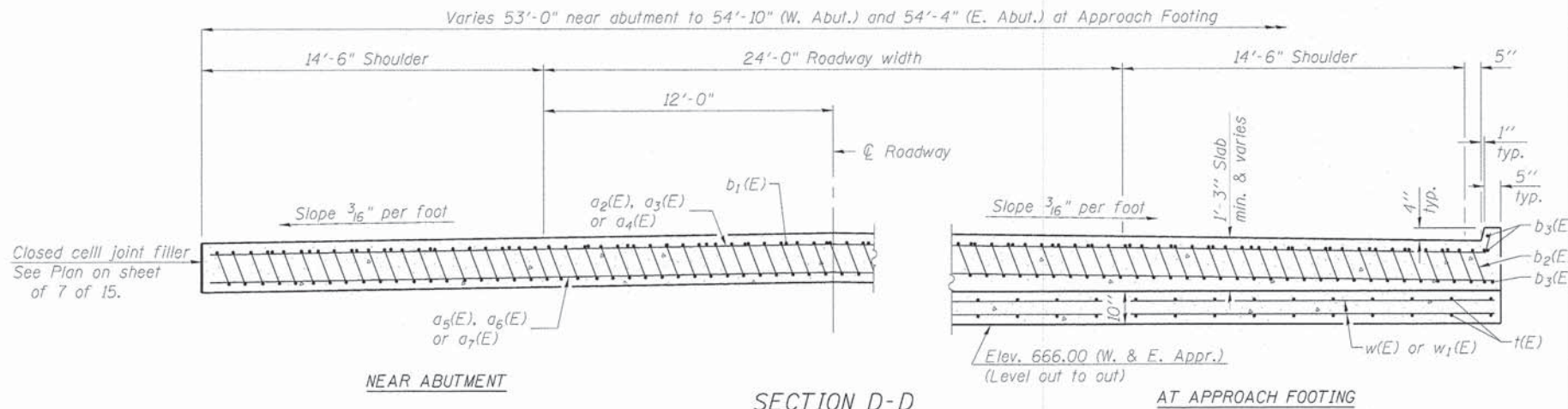
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	52
CONTRACT NO. 63873				
[ILLINOIS] FED. AID PROJECT				

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 (Omax) = 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.



SECTION C-C



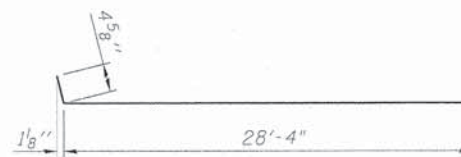
NEAR ABUTMENT

SECTION D-D

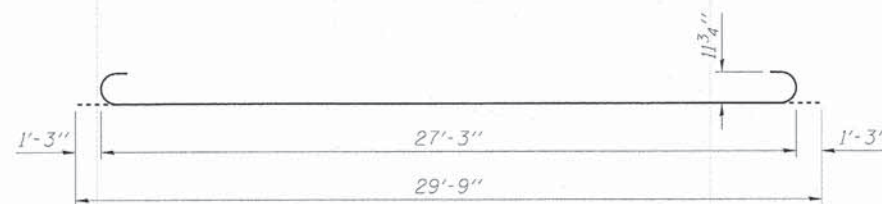
(See Plan for dimensions not shown)

AT APPROACH FOOTING

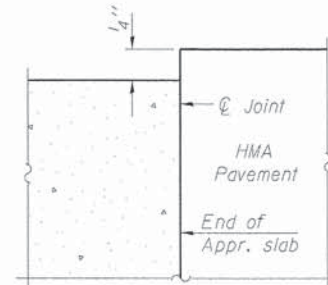
Note:  
 No curb on north side of east approach slab.



BAR a2(E)



BAR b2(E)



FLEXIBLE PAVEMENT

DETAIL A

\* Tilt #9 b2(E) bars as required to maintain clearance.  
 \*\*\* Cost included with Concrete Superstructure.

TWO APPROACHES  
 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a2(E)	51	#4	28'-9"	┌───┐
a3(E)	32	#4	27'-8"	┌───┐
a4(E)	17	#4	28'-3"	┌───┐
a5(E)	93	#5	20'-4"	┌───┐
a6(E)	90	#5	28'-0"	┌───┐
a7(E)	93	#5	20'-2"	┌───┐
b1(E)	88	#4	29'-8"	┌───┐
b2(E)	261	#9	29'-9"	┌───┐
b3(E)	9	#4	19'-8"	┌───┐
t(E)	220	#4	9'-8"	┌───┐
w(E)	80	#5	28'-11"	┌───┐
w1(E)	80	#5	28'-8"	┌───┐
Bridge Deck Grooving	Sq. Yd.		349	
Protective Coat	Sq. Yd.		380	
Concrete Superstructure	Cu. Yd.		150.5	
Concrete Structures	Cu. Yd.		33.7	
Reinforcement Bars, Epoxy Coated	Pound		42,940	

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

(Sheet 2 of 2)

FILE NAME: M:\Projects\2011\112222\22\Drawings\Structural\Drawings\843199-888-Appr-51.tbl; Date: 12/11/2014



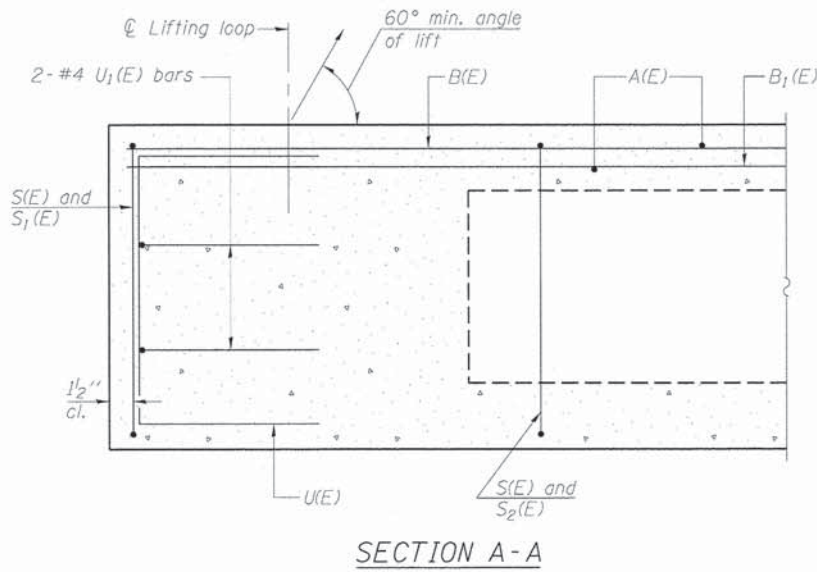
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS  
 STRUCTURE NO. 045-3190

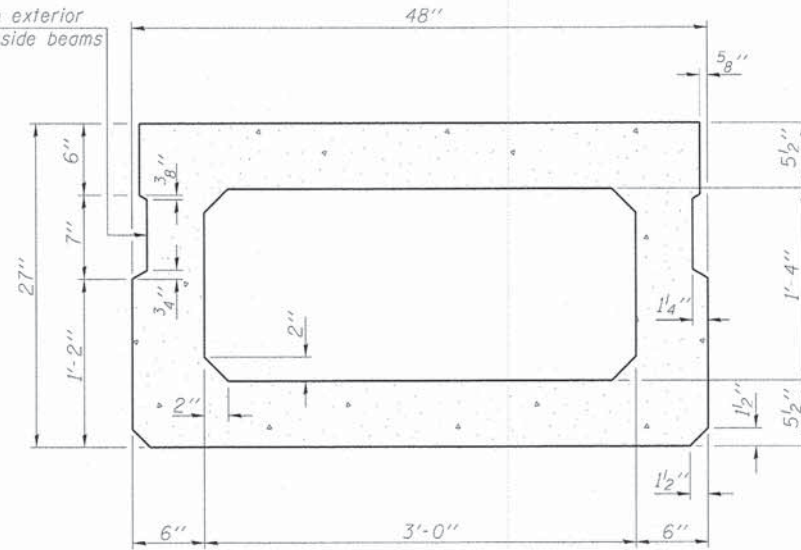
SHEET NO. 8 OF 15 SHEETS

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 63873
ILLINOIS FED. AID PROJECT				



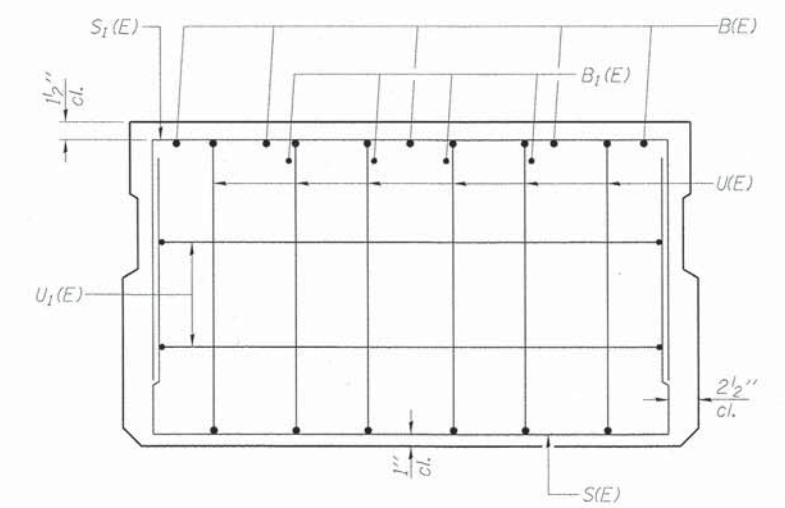
SECTION A-A

Omit key on exterior face of outside beams

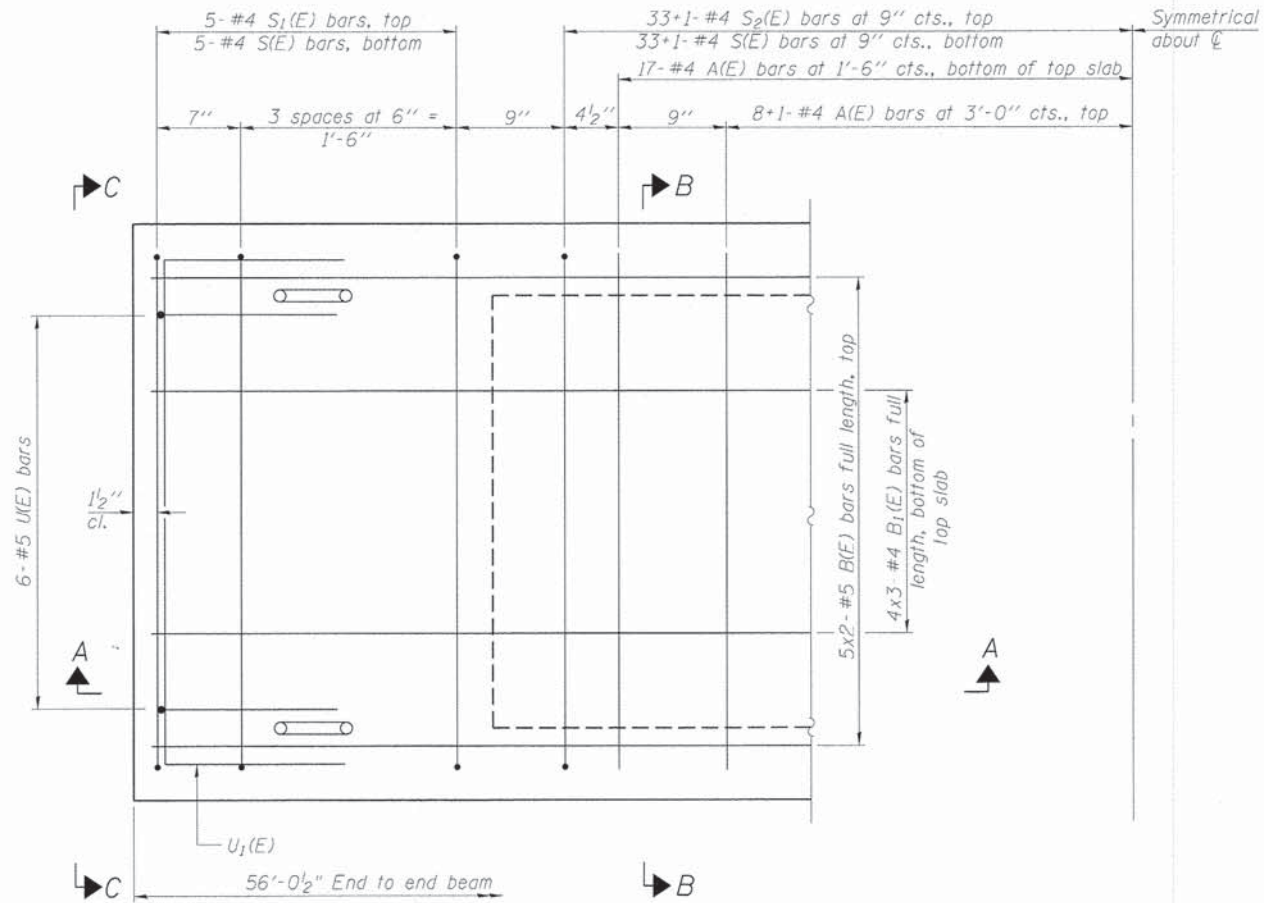


SECTION B-B

(Showing dimensions)

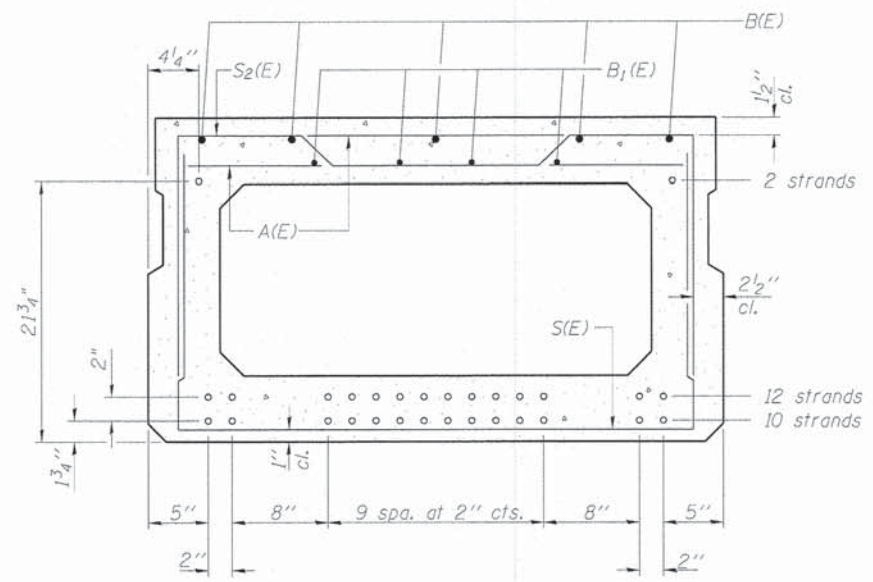


VIEW C-C



PLAN VIEW

Symmetrical about centerline



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 21 3/4" up)

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

MINIMUM BAR LAP

- #4 bar = 2'-0"
- #5 bar = 2'-6"

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.

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.

FILE NAME: M:\Projects\2011\112222 - Jerricho\PH1\road\SS\Structure\11\Sign\04531108\_0001\_PPCDeckBeam.dgn



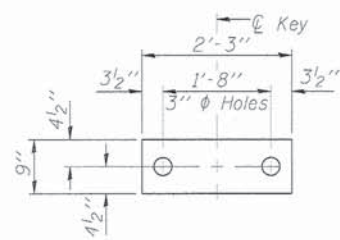
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

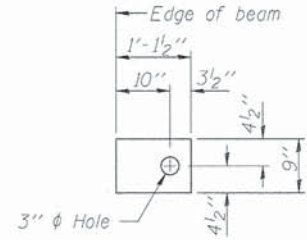
27" x 48" PPC DECK BEAM  
STRUCTURE NO. 045-3190

SHEET NO. 9 OF 15 SHEETS

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				



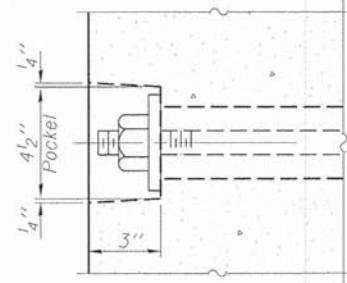
FABRIC BEARING PAD  
(Interior)



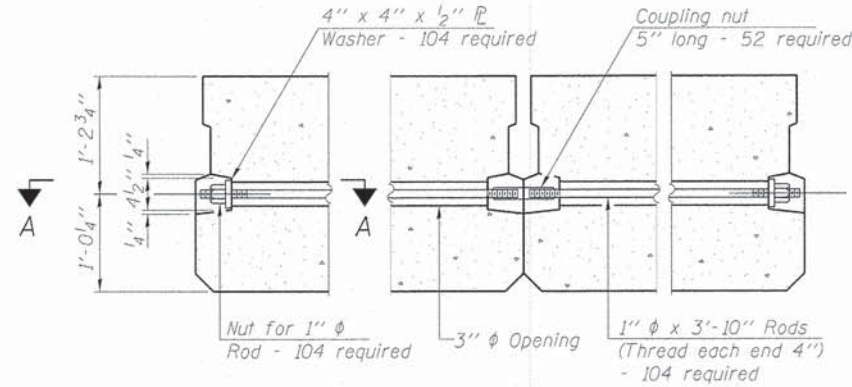
FABRIC BEARING PAD  
(Exterior)

FIXED

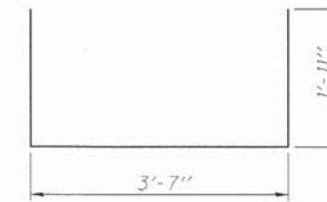
Notes:  
All bearing pads shall be 1" thick.



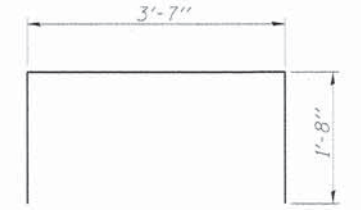
SECTION A-A



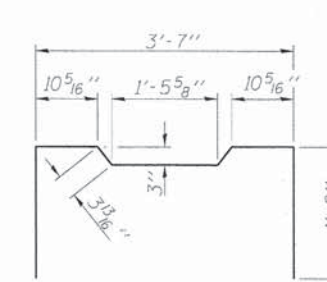
TYPICAL TRANSVERSE TIE ASSEMBLY



BAR S(E)



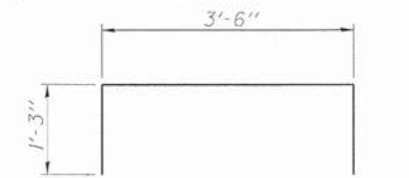
BAR S1(E)



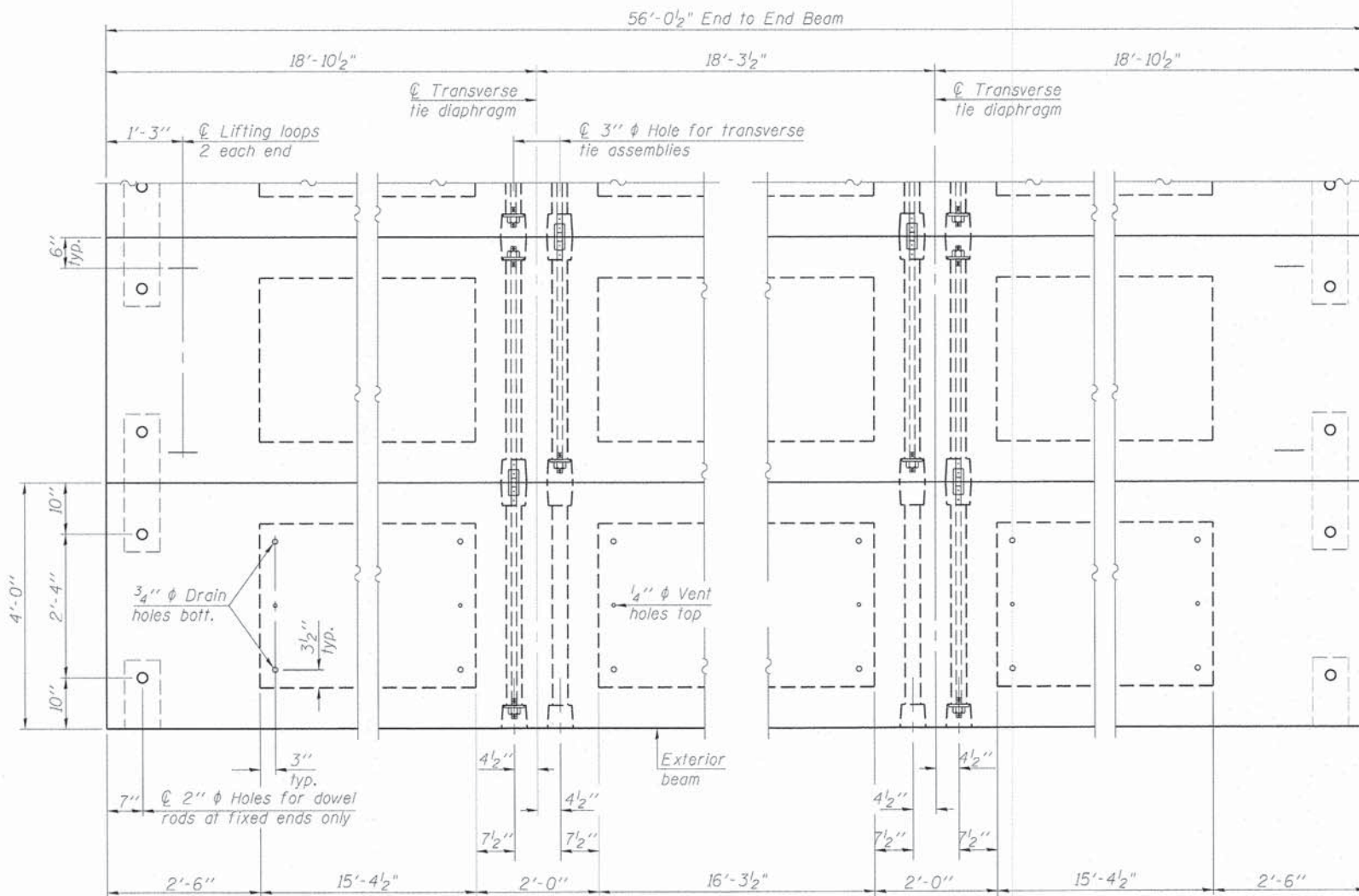
BAR S2(E)



BAR U(E)

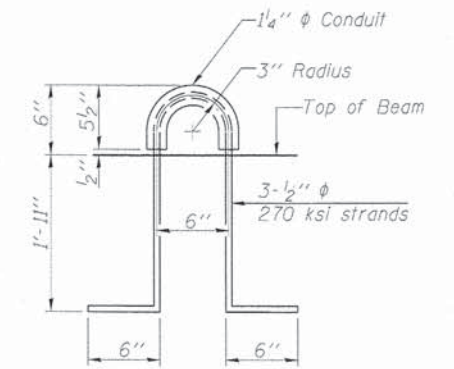


BAR U1(E)



PLAN VIEW

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



LIFTING LOOP DETAIL

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" 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 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2 1/2" 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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FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63873			ILLINOIS FED. AID PROJECT	

**BILL OF MATERIAL**

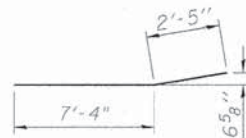
(Two Abutments)

Bar	No.	Size	Length	Shape
d <sub>2</sub> (E)	12	#5	3'-0"	—
h(E)	16	#5	27'-9"	—
h <sub>1</sub> (E)	16	#5	7'-2"	—
h <sub>2</sub> (E)	44	#4	9'-8"	—
h <sub>3</sub> (E)	20	#4	9'-9"	—
n(E)	32	#6	9'-6"	—
n <sub>1</sub> (E)	24	#6	4'-5"	—
p(E)	40	#7	31'-6"	—
p <sub>1</sub> (E)	24	#7	11'-3"	—
s(E)	98	#4	10'-7"	—
s <sub>1</sub> (E)	44	#4	9'-5"	—
u(E)	16	#6	8'-2"	—
v(E)	108	#5	5'-11"	—
v <sub>1</sub> (E)	216	#5	3'-2"	—
v <sub>2</sub> (E)	44	#6	5'-7"	—
v <sub>3</sub> (E)	12	#6	4'-10"	—
v <sub>4</sub> (E)	32	#6	5'-7"	—
Structure Excavation	Cu. Yd.	238		
Concrete Structures	Cu. Yd.	62.2		
Concrete Superstruct.	Cu. Yd.	4.4		
Concrete Encasement	Cu. Yd.	8.4		
Reinforcement Bars, Epoxy Coated	Pound	8,050		
Furnishing Steel Piles, HP 12x53	Foot	638		
Driving Piles	Foot	638		
Test Pile, Steel HP 12x53	Each	2		
Pile Shoes	Each	24		

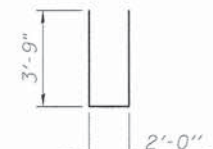
For details of piles and Concrete Encasement, see sheet 14 of 15.



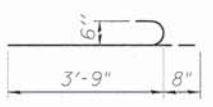
BAR h<sub>1</sub>(E)



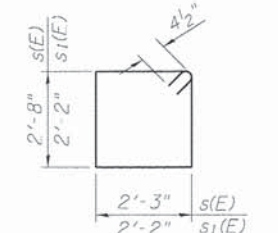
BAR h<sub>3</sub>(E)



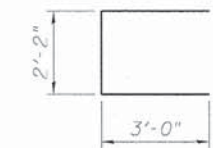
BAR n(E)



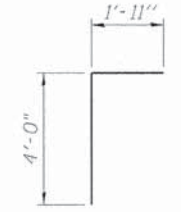
BAR n<sub>1</sub>(E)



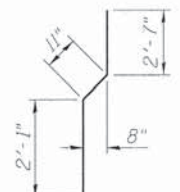
BARS s(E) & s<sub>1</sub>(E)



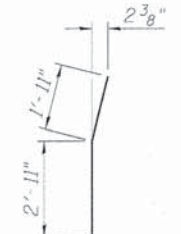
BAR u(E)



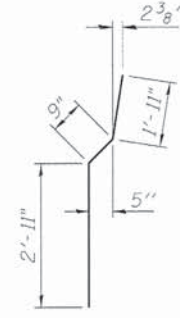
BAR v(E)



BAR v<sub>2</sub>(E)



BAR v<sub>3</sub>(E)



BAR v<sub>4</sub>(E)

**MINIMUM BAR LAP**

#7 bar - 5'-10"  
#5 bar - 2'-6"

**PILE DATA**

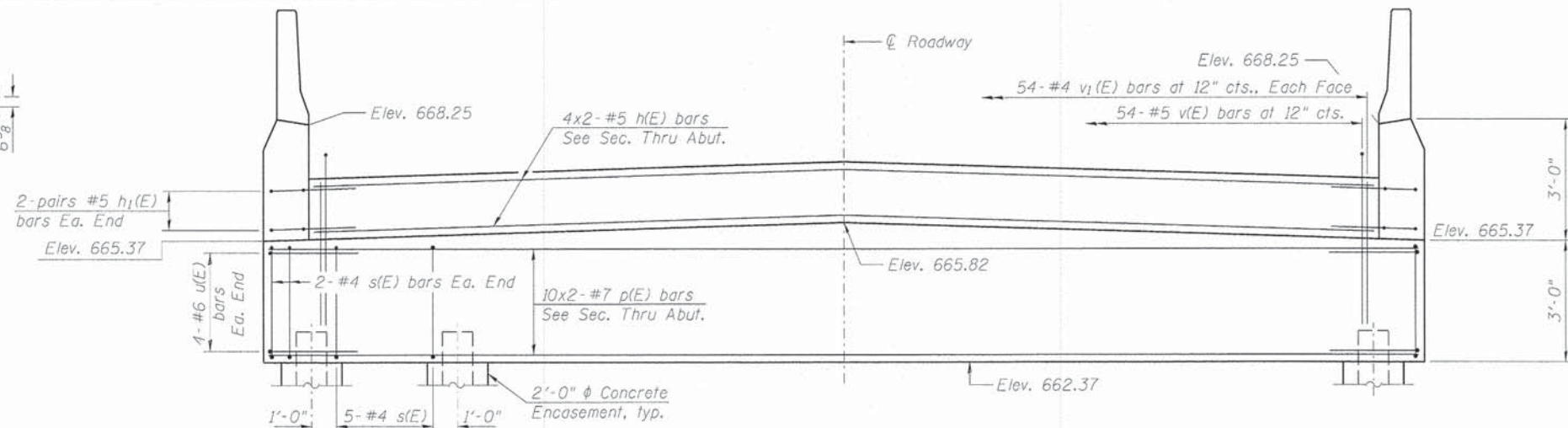
(East Abutment)

Type: Steel HP 12x53 w/ Pile Shoes  
Nominal Required Bearing: 419 kips  
Factored Resistance Available: 230 kips  
Est. Length: 31'  
No. Production Piles: 11  
No. Test Piles: 1

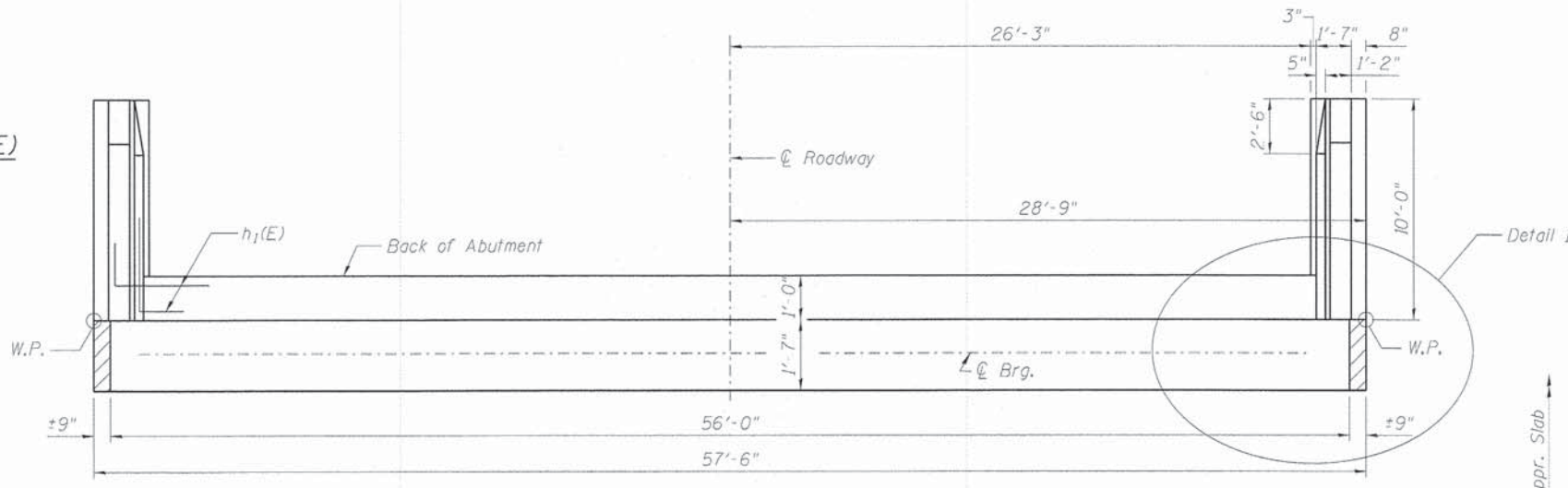
**PILE DATA**

(West Abutment)

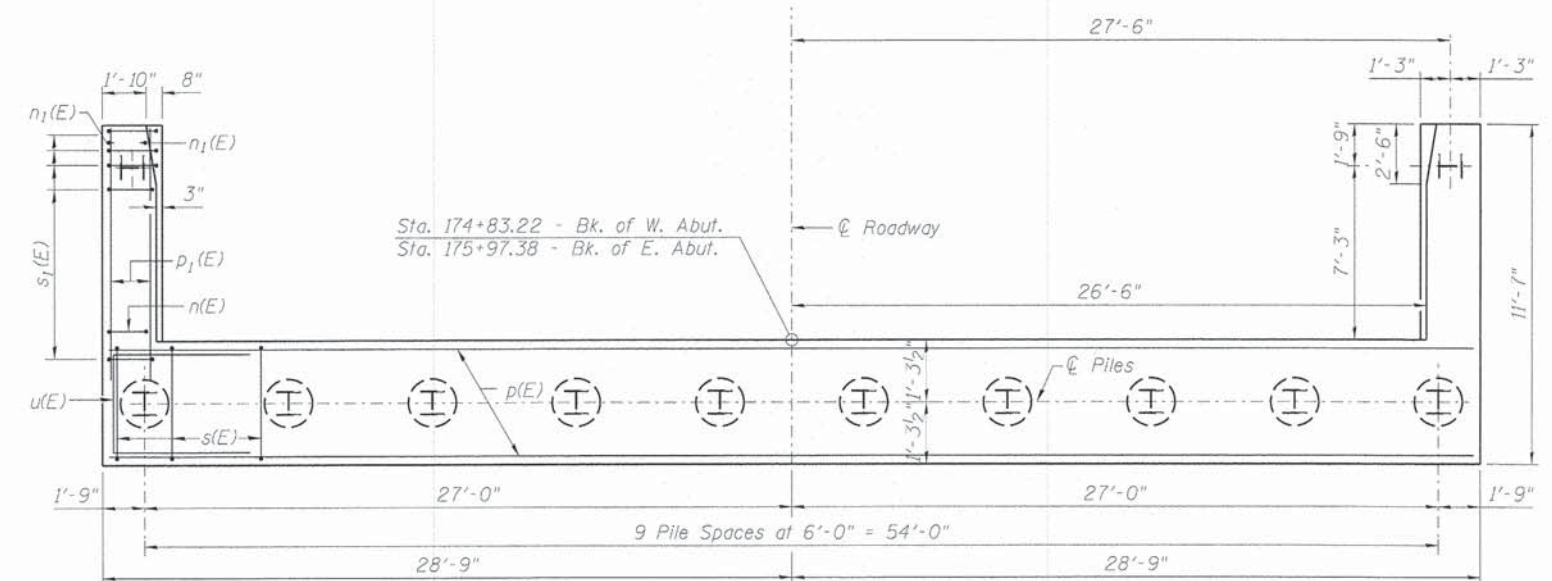
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Nominal Required Bearing: 419 kips  
Factored Resistance Available: 230 kips  
Est. Length: 27'  
No. Production Piles: 11  
No. Test Piles: 1



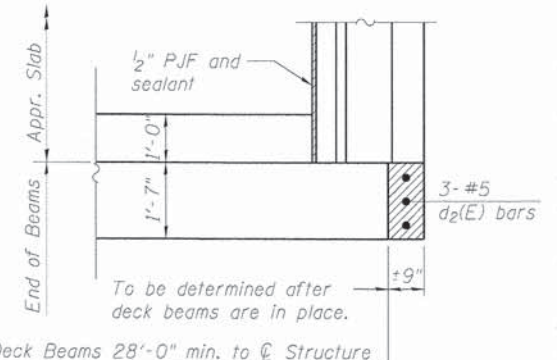
ELEVATION



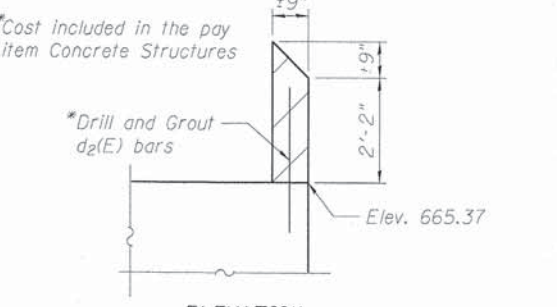
TOP VIEW



PLAN-PILE CAP



DETAIL 1



ELEVATION

DETAIL 1

FILE NAME: M:\Projects\2011\118222 - JernshoPhi\Road\Structure\Abutments.dgn

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

USER NAME = rparis	DESIGNED = HLF	REVISED =
PLOT SCALE = 1/8"=1'-0"	CHECKED = AEU	REVISED =
PLOT DATE = 12/11/2014	DRAWN = HLF	REVISED =
	CHECKED = AEU	REVISED =

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ABUTMENTS**  
**STRUCTURE NO. 045-3190**

SHEET NO. 11 OF 15 SHEETS

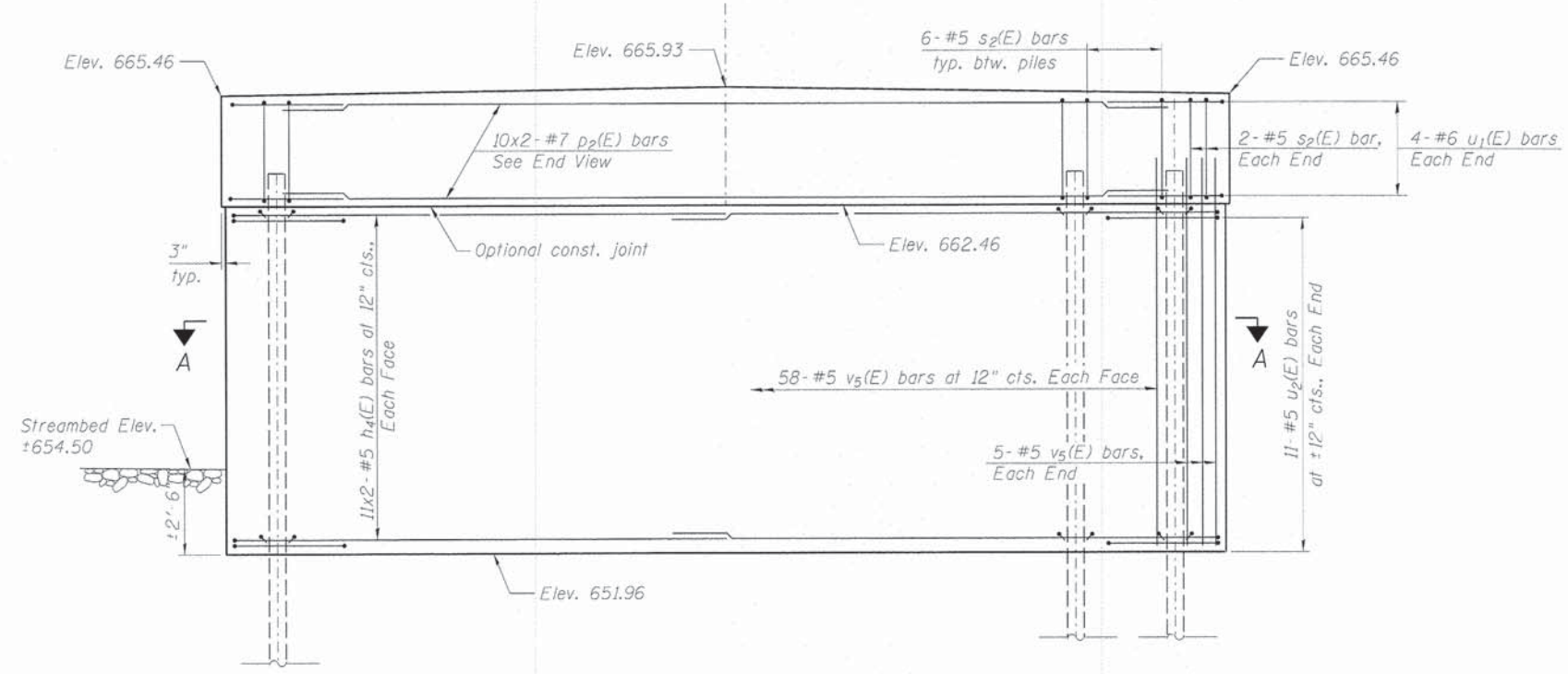
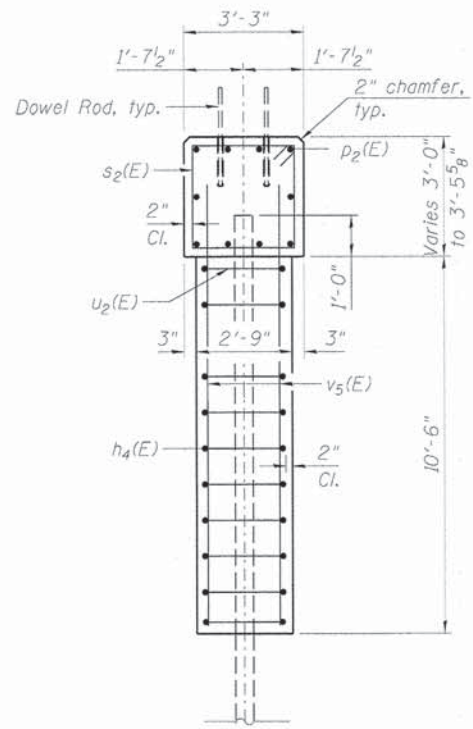
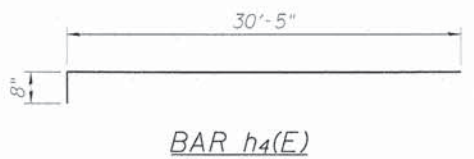
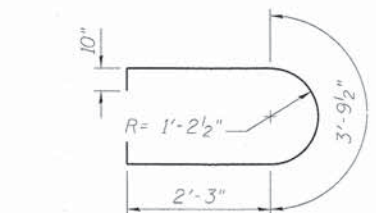
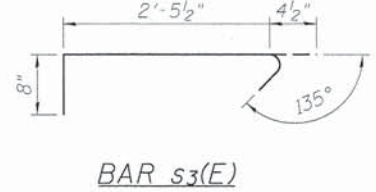
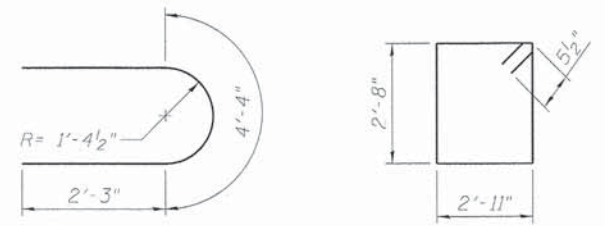
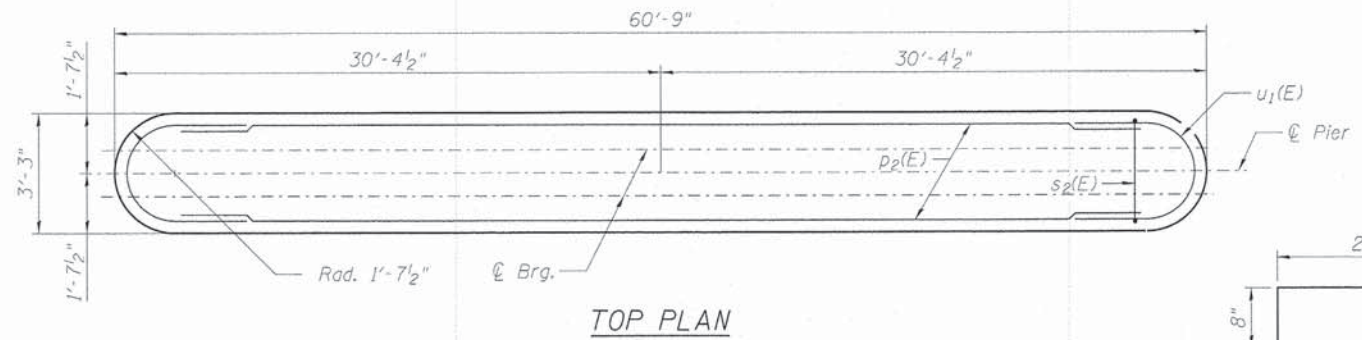
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	56

CONTRACT NO. 63873

ILLINOIS FED. AID PROJECT





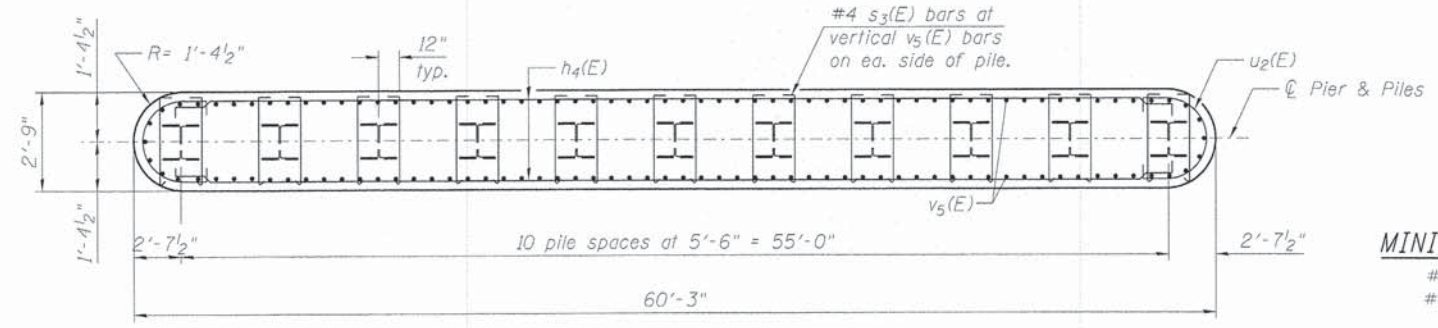


**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h4(E)	44	#5	31'-1"	—
p2(E)	20	#7	31'-8"	—
s2(E)	64	#5	12'-1"	□
s3(E)	242	#4	3'-6"	┌┐
u1(E)	8	#6	8'-10"	U
u2(E)	22	#5	10'-0"	U
v5(E)	126	#5	12'-6"	—
Cofferdam Excavation		Cu. Yd.	177	
Concrete Structures		Cu. Yd.	87.2	
Seal Coat Concrete		Cu. Yd.	108.7	
Reinforcement Bars, Epoxy Coated		Pound	6,070	
Furnishing Steel Piles, HP 12x63		Foot	300	
Driving Piles		Foot	300	
Test Pile, Steel HP 12x63		Each	1	
Pile Shoes		Each	11	

**PILE DATA**

Type: Steel HP 12x63 w/ Pile Shoes  
 Nominal Required Bearing: 497 kips  
 Factored Resistance Available: 273 kips  
 Est. Length: 30'  
 No. Production Piles: 10  
 No. Test Piles: 1



**MINIMUM BAR LAP**

#5 Bar = 3'-3"  
 #7 Bar = 5'-10"

**SECTION A-A**

FILE NAME: \\NA\Projects\2811\1102202 - JerrichoPh\1\Need\Structural\Drawings\2811-1-Pier.dgn

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

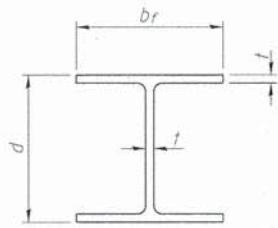
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PLOT DATE = 12/11/2014	CHECKED - AEU	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PIER  
 STRUCTURE NO. 045-3190**

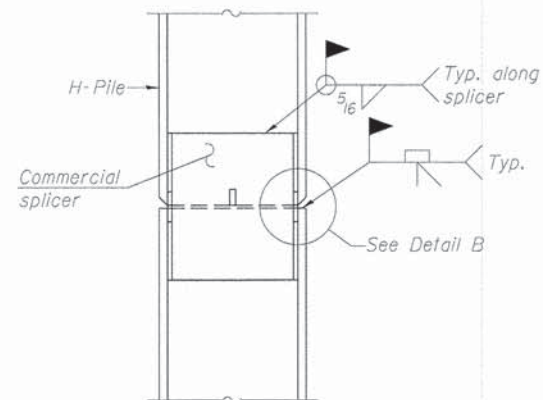
FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	58
CONTRACT NO. 63873			ILLINOIS FED. AID PROJECT	

SHEET NO. 13 OF 15 SHEETS

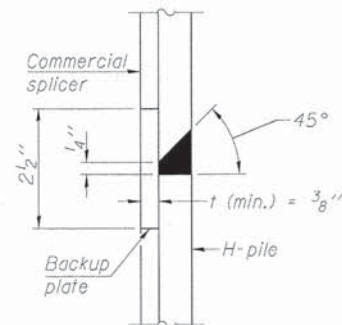


STEEL PILE TABLE

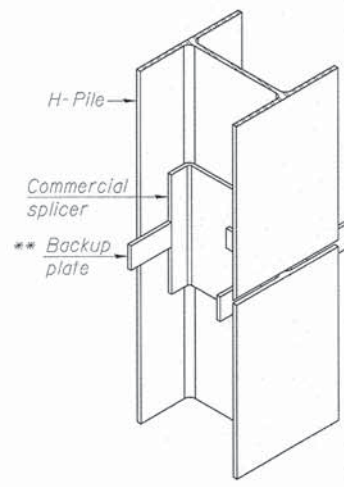
Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"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



ELEVATION

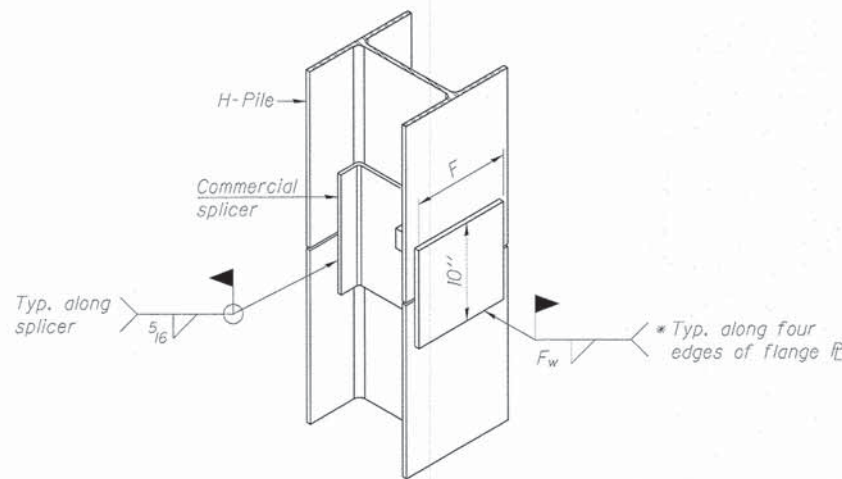


DETAIL "B"



ISOMETRIC VIEW

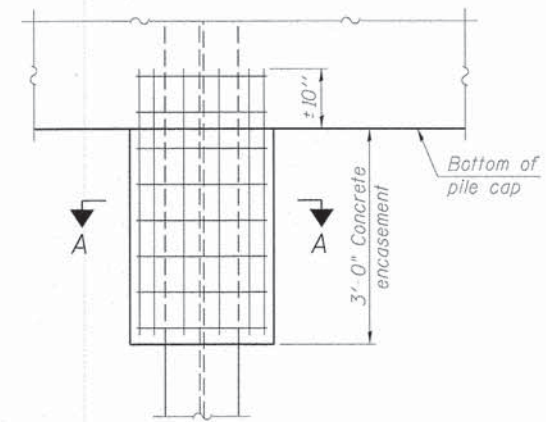
WELDED COMMERCIAL SPLICE



ISOMETRIC VIEW

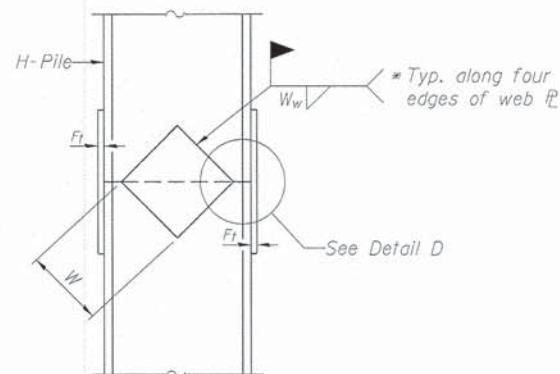
WELDED COMMERCIAL SPLICE ALTERNATE

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



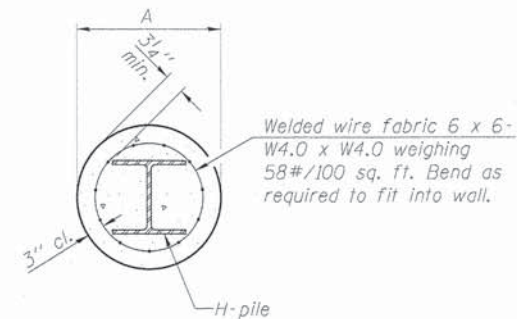
ELEVATION

PILE ENCASEMENT



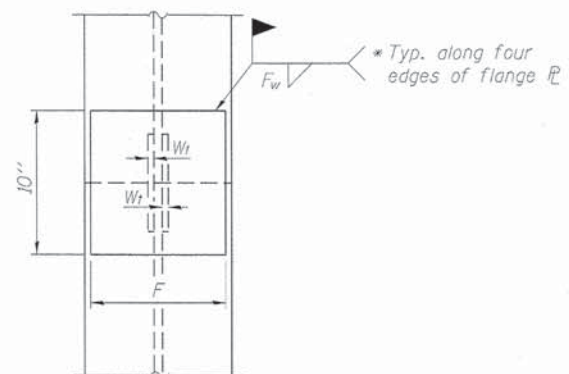
ELEVATION

WELDED PLATE FIELD SPLICE



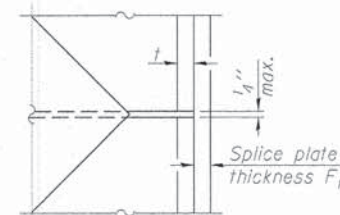
SECTION A-A

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



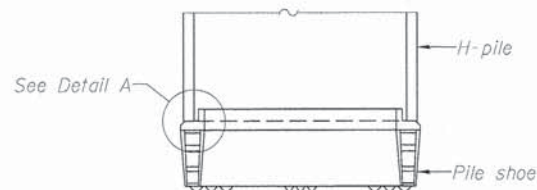
END VIEW

Designation	F	F <sub>t</sub>	F <sub>w</sub>	W	W <sub>t</sub>	W <sub>w</sub>
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 8/16"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 8/16"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5 8/16"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 8/16"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5 8/16"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5 8/16"	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"



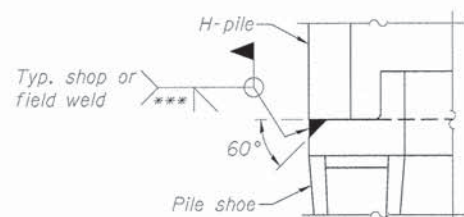
DETAIL D

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



ELEVATION

H-PILE SHOE ATTACHMENT



DETAIL A

FILE NAME: M:\Projects\2011\112262 - Jena\PH11\cadd\Structure\Drawings\8453198-014-Pile.tbl

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

USER NAME = hparris	DESIGNED - HLF	REVISED -
PLOT SCALE = #SCALE#	CHECKED - AEU	REVISED -
PLOT DATE = 12/11/2014	DRAWN - HLF	REVISED -
	CHECKED - AEU	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS  
STRUCTURE NO. 045-3190

SHEET NO. 14 OF 15 SHEETS

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	59
CONTRACT NO. 63873			ILLINOIS FED. AID PROJECT	

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 1

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

Boring No.	Station	Offset	Surface Elev.	DEPTH	BLOW	Qu	W	Surface Water Elev.	Groundwater Elev. when drilling	Groundwater Elev. at Completion	DEPTH	BLOW	Qu	W
SB-1		ft	666.98 ft						658.0	658.7				
7" Asphalt Pavement 4" Gravel and Sand Subbase														
666.08				2	B	1.2	14.3	Dense to very dense gray SAND and GRAVEL, occasional Cobbles, saturated A-1-a						
663.48				3	B	1.2	27.3	Very dense Cobbles and Boulders, possible weathered Rock						
661.48				5	B	1.2	27.3	Very dense Cobbles and Boulders, possible weathered Rock						
658.98				1	P	0.75	28.6	Medium stiff brown CLAY, little black clay, moist A-7-6						
656.48				2	B	1.2	10.3	Med. dense brown SAND and GRAVEL, saturated A-1-a						
653.98				4	B	1.2	14.6	Med. dense gray SAND and GRAVEL, saturated A-1-a						
648.98				6	B	1.2	15.1	Med. dense gray SAND, little to some gravel, saturated A-1-b						
641.98				9	B	1.2	8.7	Med. dense gray SAND and GRAVEL, occasional Cobbles, saturated A-1-a						
641.98				10	B	1.2	9.3	Med. dense gray SAND and GRAVEL, occasional Cobbles, saturated A-1-a						

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

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 1

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. 38N, RNG. 7E

Boring No.	Station	Offset	Surface Elev.	DEPTH	BLOW	Qu	W	Surface Water Elev.	Groundwater Elev. when drilling	Groundwater Elev. at Completion	DEPTH	BLOW	Qu	W
SB-2		ft	667.33 ft						658.8	658.9				
6" Asphalt Pavement 7" Gravel and Sand Subbase														
666.23				2	P	2.75	14.9	Very dense gray sandy SILT, little gravel, damp A-4						
639.33				4	P	3.5	14.1	FILL - Brown LOAM, little gravel, moist A-6(7)						
661.83				5	B	1.1	30.6	Hard dark gray CLAY, moist A-6						
659.33				3	B	1.1	30.6	Stiff black and dark brown CLAY, trace organic, very moist A-7-6						
632.33				5	B	1.1	12.9	Very dense gray Cobbles and Boulders, possible weathered and fractured Dolomite						
629.03				5	B	1.1	9.1	Loose to med. dense brown SAND, little gravel, trace silt, saturated A-1-b						
627.33				6	B	1.1	14.4	SHALE, greenish-gray, very weathered						
626.33				6	B	1.1	14.4	Core Run 35 to 45 feet Recov. = 91%, RQD = 12%						
624.33				9	B	1.1	6.4	SANDSTONE, light gray, med. grained with gravel inclusions						
622.33				9	B	1.1	6.4	SHALE, very weathered						
644.33				16	B	1.1	8.0	SANDSTONE, light gray, fine grained with occasional 2" cse. sand layers						
642.33				15	B	1.1	8.8	Dense to very dense gray GRAVEL, little sand, numerous Cobbles and Boulders (rock fragments recovered), saturated A-1-a						
642.33				15	B	1.1	8.8	DOLOMITE, gray, mottled, red and green, med. bedded with green clay partings						
641.98				16	B	1.1	8.0	End of Boring at 45.0'						
641.98				18	B	1.1	8.0	CME Automatic Hammer						
641.98				20	B	1.1	8.8	3.25" ID HSA						
641.98				20	B	1.1	8.8	2" NX Core Barrel						

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

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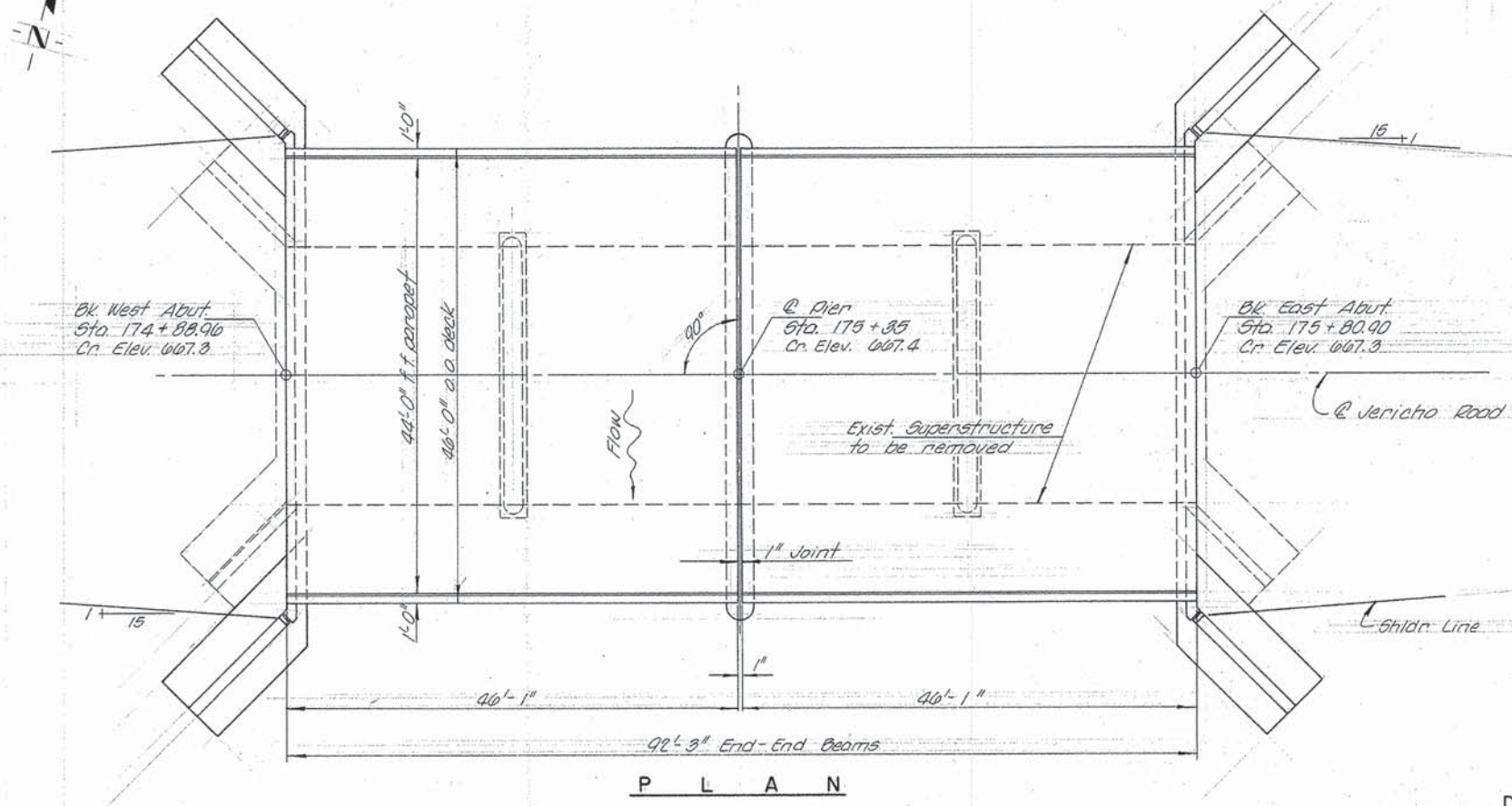
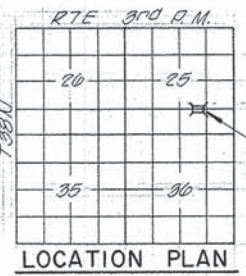
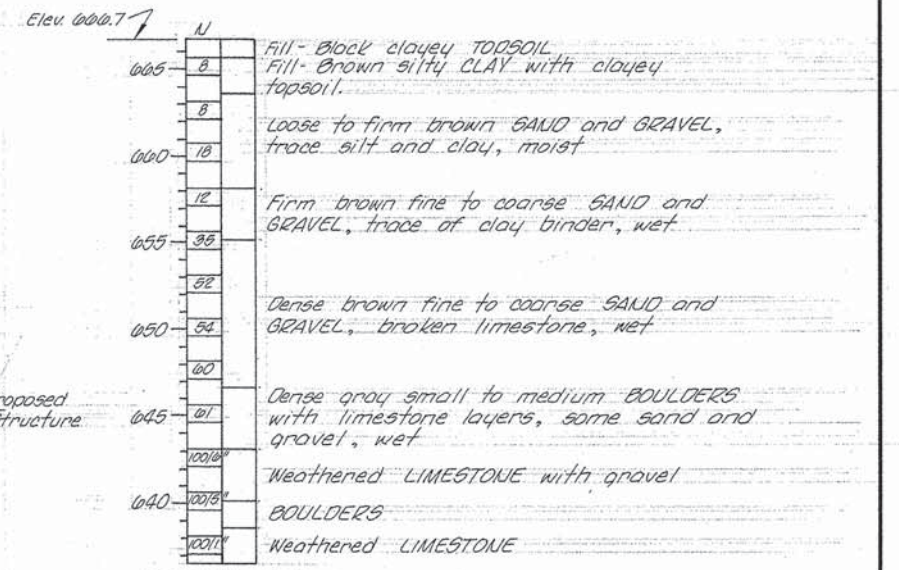
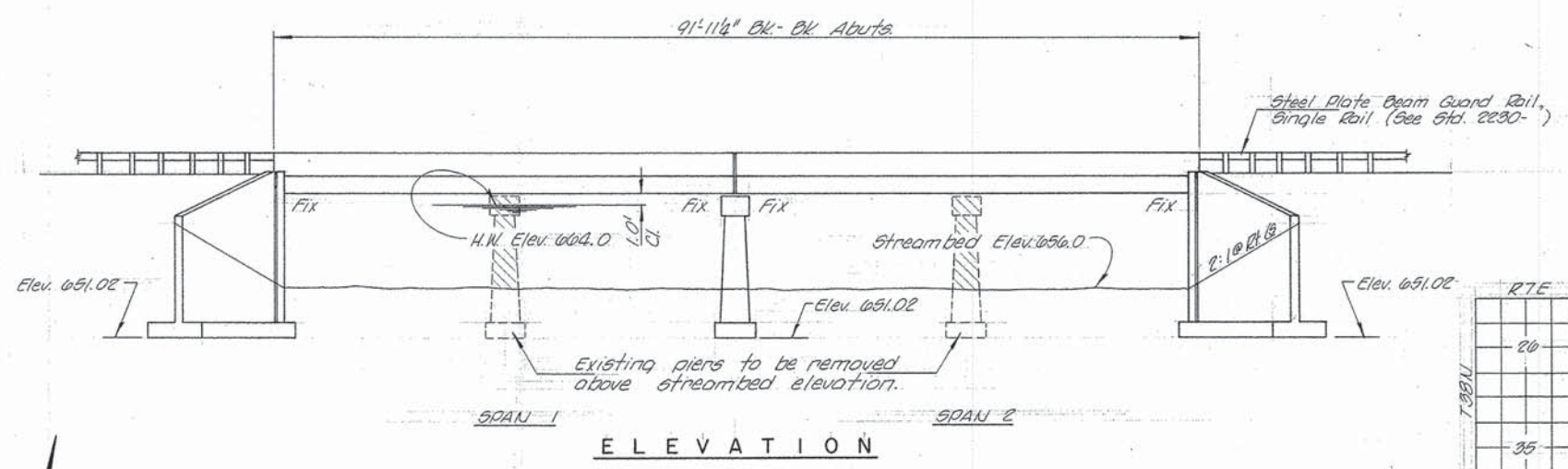
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PLOT DATE = 12/11/2014	DRAWN - HLF	REVISED -
	CHECKED - AEU	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS  
STRUCTURE NO. 045-3190

SHEET NO. 15 OF 15 SHEETS

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	60
CONTRACT NO. 63873				ILLINOIS FED. AID PROJECT



**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 505.06 of the Standard 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	SURER	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	Round	1,620	10,910	12,530
Bituminous Mixture Complete	Ton	52		52
Sealing Crocks	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

**WATERWAY DATA**

Drainage Area	28,500 Acres
Reg'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 H520

**LETTERING FOR NAME PLATE**  
See Std. 2113-1

**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. (Prestn. Beams)  
 $f_{tj} = 188,700$  p.s.i. (Prestn. Cables)  
 $f_s = 20,000$  p.s.i. (Reinforcement)  
 $n = 10$  (Cl. X), 8 (Bms)  
 $f_b = 5,000$  p.s.i. (Prestn. Bms.)  
 $f_s = 270,000$  p.s.i. (Prestn. Cables)  
 LOADING H5 20-44

Robert E. Little  
Illinois Structural No. 2675



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

COLLINS AND RICE  
CONSULTING ENGINEERS

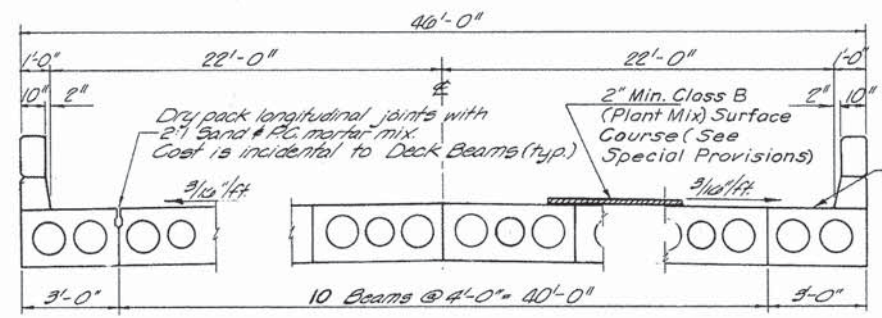
DESIGNED REG. CHECKED REG. DRAWN A.D.

ILLINOIS  
REGISTERED  
2675  
PROFESSIONAL ENGINEER

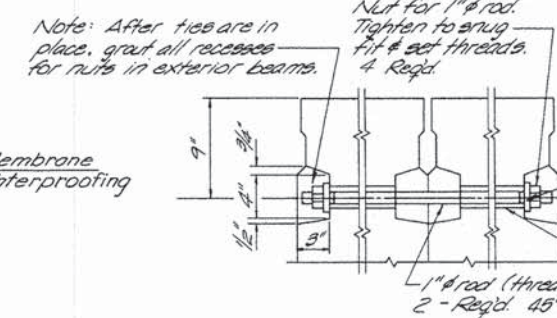
ILLINOIS FED. AID PROJECT

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
CA 184	76-00092-01-02	KANE	7	5

JERICHO ROAD

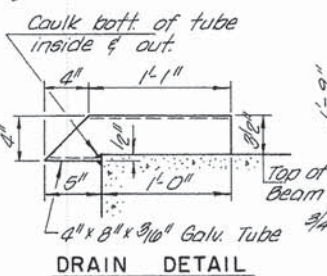


CROSS SECTION

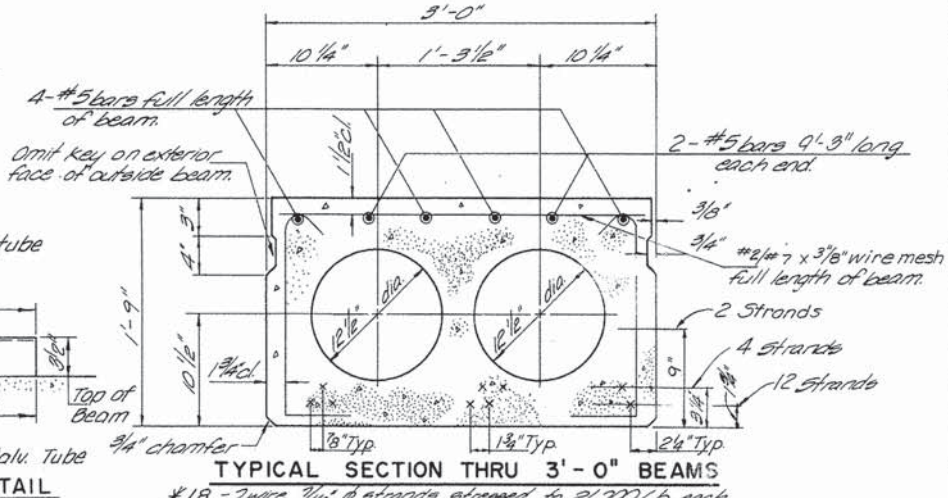


TRANSVERSE TIE ROD DETAIL

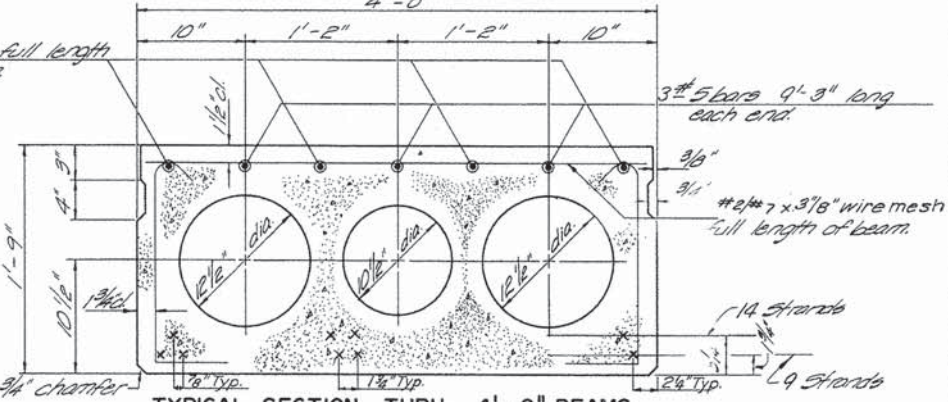
Note: After ties are in place, grout all recesses for nuts in exterior beams.  
 \* Strands shall be non-galvanized extra high strength stress relieved. Place strands symmetrically about E beam.



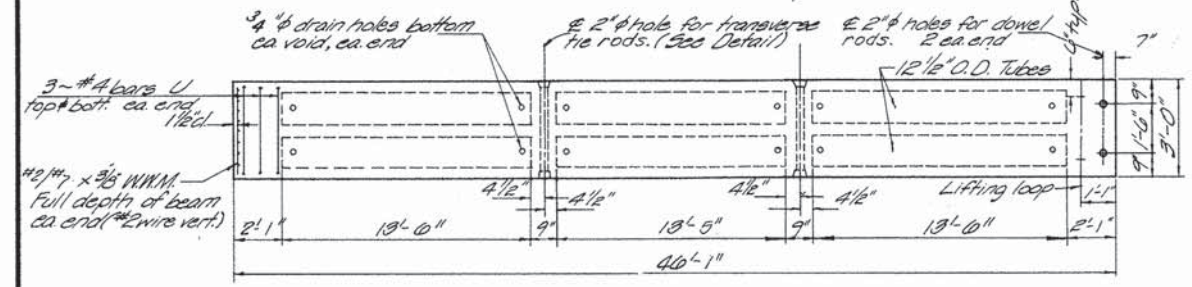
DRAIN DETAIL



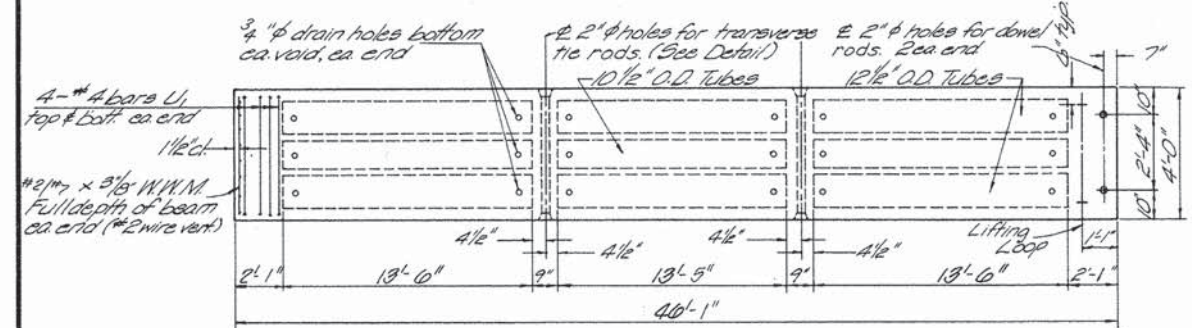
TYPICAL SECTION THRU 3'-0" BEAMS



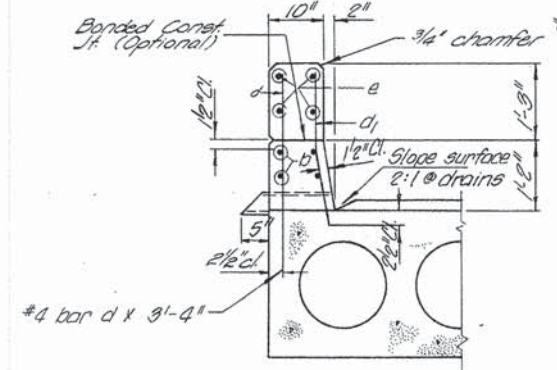
TYPICAL SECTION THRU 4'-0" BEAMS



TYPICAL PLAN OF 3'-0" BEAMS

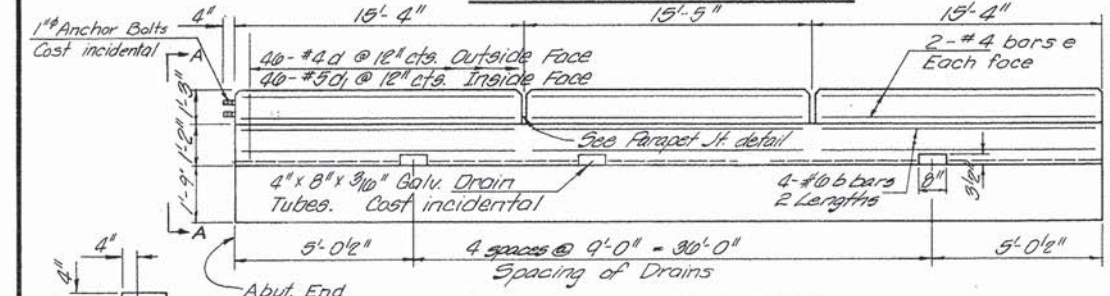


TYPICAL PLAN OF 4'-0" BEAMS

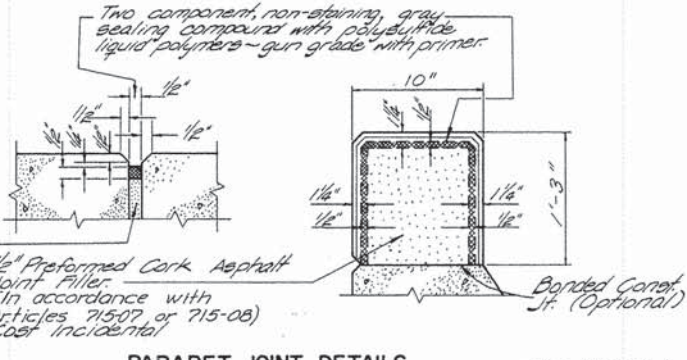


CURB & PARAPET DETAIL

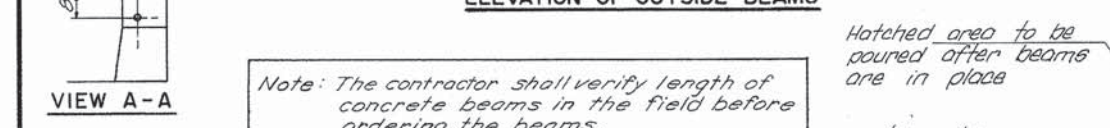
Curbs are not to be cast with beams. Curbs and Parapets to be poured after beams are set in final position and will be paid for as Class X Concrete. Top of curb to be constructed parallel to E grade for full length of bridge. Bars d & d1 to be cast with beams and are incidental to cast of beams.



ELEVATION OF OUTSIDE BEAMS

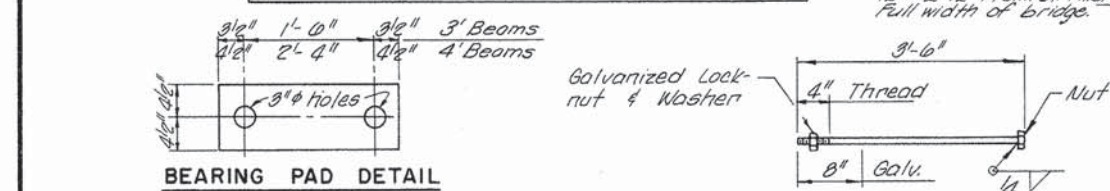


PARAPET JOINT DETAILS

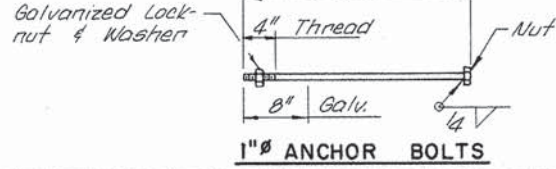


VIEW A-A

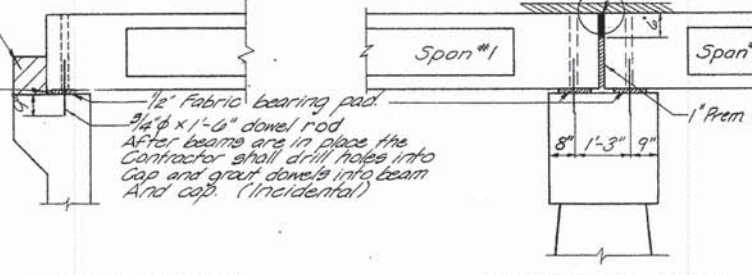
Note: The contractor shall verify length of concrete beams in the field before ordering the beams.



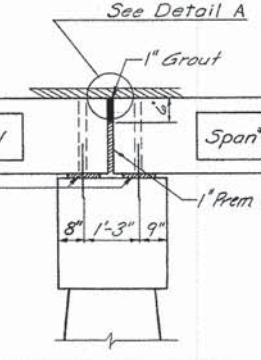
BEARING PAD DETAIL



1" ANCHOR BOLTS



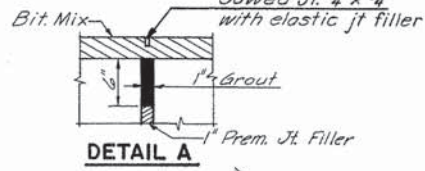
SECTION AT ABUTS.



SECTION AT PIERS

LIFTING LOOP DETAIL

3-7/16" strands/loop, 2ea end, ea beam. Loops shall be buried off after beams have been erected.



DETAIL A

BAR U & U1

BAR d1

BILL OF MATERIAL				
BAR	NO.	SIZE	LENGTH	SHAPE
b	32	#6	28'-8"	—
e	48	#4	15'-0"	—
Precast Prestressed Concrete Deck Beams (21" Depth) 50ft 4,240				
Class X Concrete Cu. Yd 14.4				
Reinforcement Bars Pound 1,620				
Bituminous Mixture Complete Ton 52				
Waterproofing Membrane System Sq. Yd 451				

**SUPERSTRUCTURE**  
 SECTION 76-00092-01-BR  
 KANE COUNTY  
 STATION I75+35  
 COLLINS AND RICE  
 CONSULTING ENGINEERS

DESIGNED R.E.G. CHECKED R.E.G.  
 DRAWN L.J.E. DATE 3-4-98 NO. 1017

FILE NAME: M:\Projects\2011\118292 - Jericho\Drawings\Superstructure\184\184-01-02.dwg

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

USER NAME: r.porris	DESIGNED: -	REVISED: -
PLOT SCALE: 1:20	DRAWN: -	REVISED: -
PLOT DATE: 12/18/2014	CHECKED: -	REVISED: -
	DATE: 12/15/2014	REVISED: -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

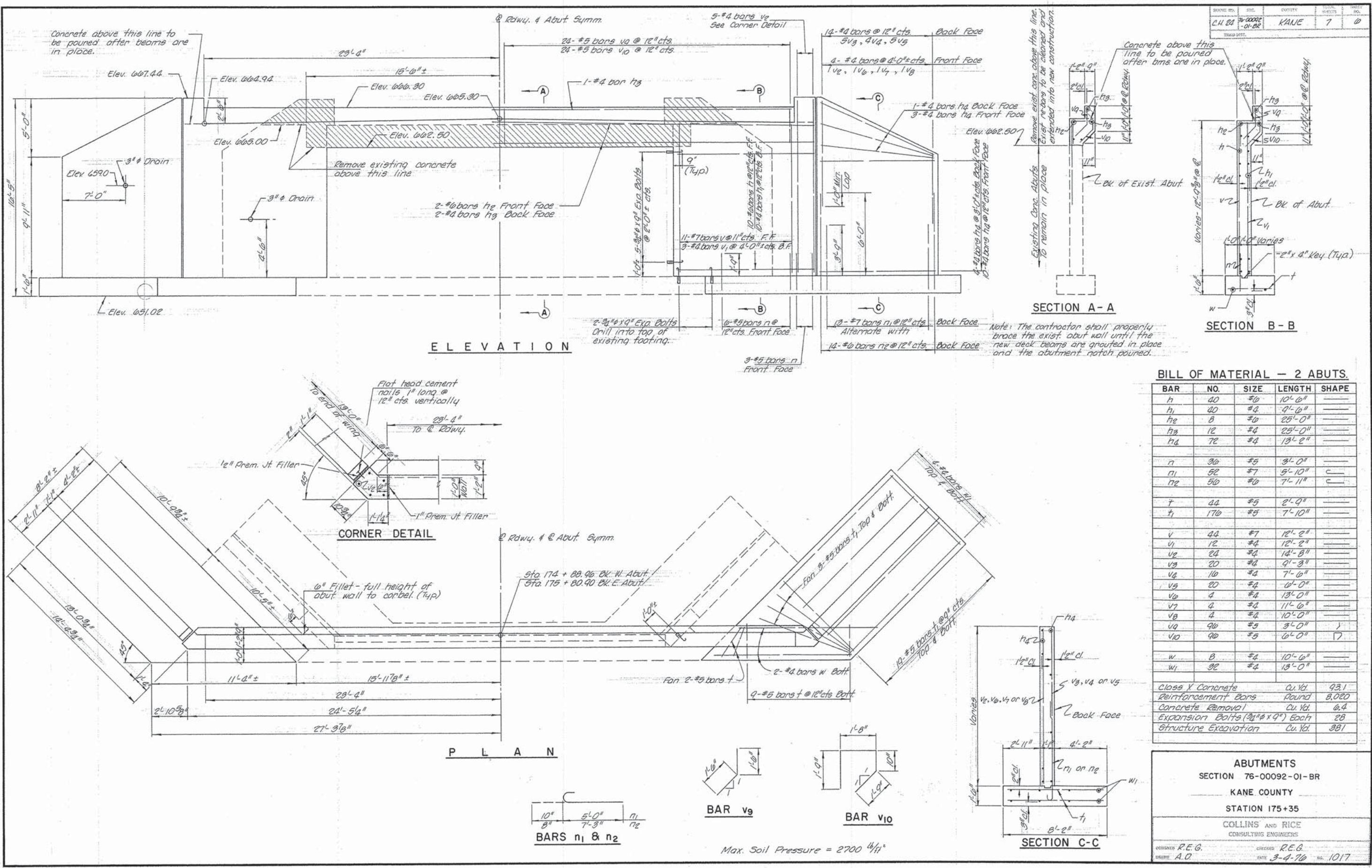
EXISTING STRUCTURAL PLANS

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	96	62
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

FOR REFERENCE ONLY

REVISED NO.	DATE	BY	REASON
1	04-01-08	KANE	7



**BILL OF MATERIAL - 2 ABUTS.**

BAR	NO.	SIZE	LENGTH	SHAPE
h	40	#0	10'-0"	---
h1	40	#4	9'-0"	---
h2	8	#0	25'-0"	---
h3	12	#4	25'-0"	---
h4	72	#4	13'-2"	---
n	36	#5	3'-0"	---
n1	52	#7	5'-10"	C
n2	50	#0	7'-11"	C
t	44	#5	2'-9"	---
t1	176	#5	7'-10"	---
v	44	#7	12'-2"	---
v1	12	#4	12'-2"	---
v2	24	#4	14'-8"	---
v3	20	#4	9'-3"	---
v4	10	#4	7'-0"	---
v5	20	#4	0'-0"	---
v6	4	#4	13'-0"	---
v7	4	#4	11'-0"	---
v8	4	#4	10'-0"	---
v9	96	#5	3'-0"	---
v10	90	#5	6'-0"	---
w	8	#4	10'-6"	---
w1	32	#4	13'-0"	---
Class X Concrete		Cu. Yd.	93.1	
Reinforcement Bars Round		Pound	8,020	
Concrete Removal		Cu. Yd.	6.4	
Expansion Bolts (2 1/2" x 9") Each			28	
Structure Excavation		Cu. Yd.	331	

**ABUTMENTS**  
SECTION 76-00092-01-BR  
KANE COUNTY  
STATION 175+35  
COLLINS AND RICE  
CONSULTING ENGINEERS

DESIGNED: R.E.G.      CHECKED: R.E.G.  
DRAWN: A.D.              DATE: 3-4-76      NO. 1017

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING STRUCTURAL PLANS**

F.A.U. RTE. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	63
			CONTRACT NO. 63873	
ILLINOISIFIED, AID PROJECT				

FILE NAME: MAP-projects\2811\1182202 - Jan chaphill\veadd\G:\v1\1\0\pr\Shva\EXSTR\_023.dgn

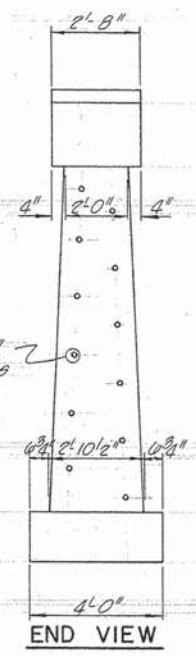
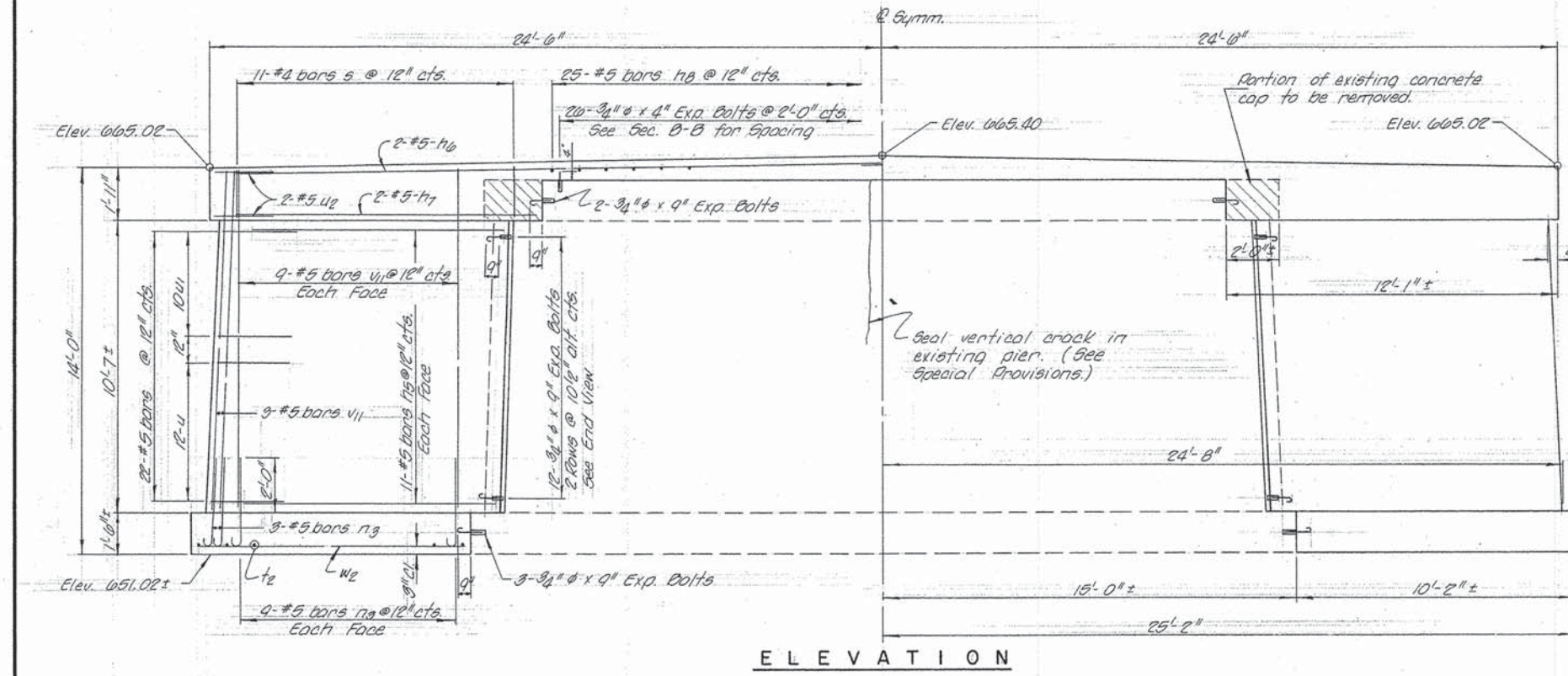
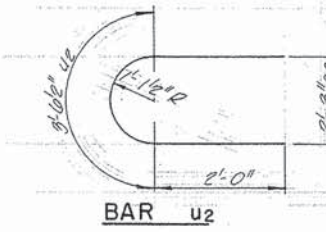
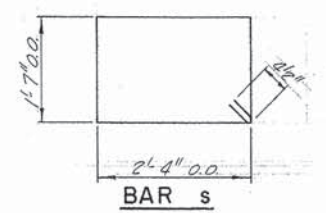
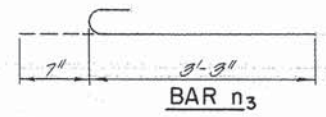
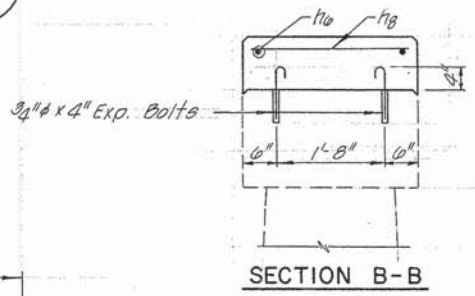
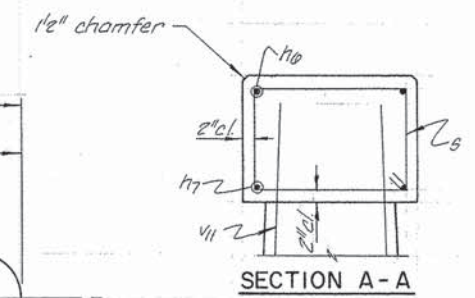
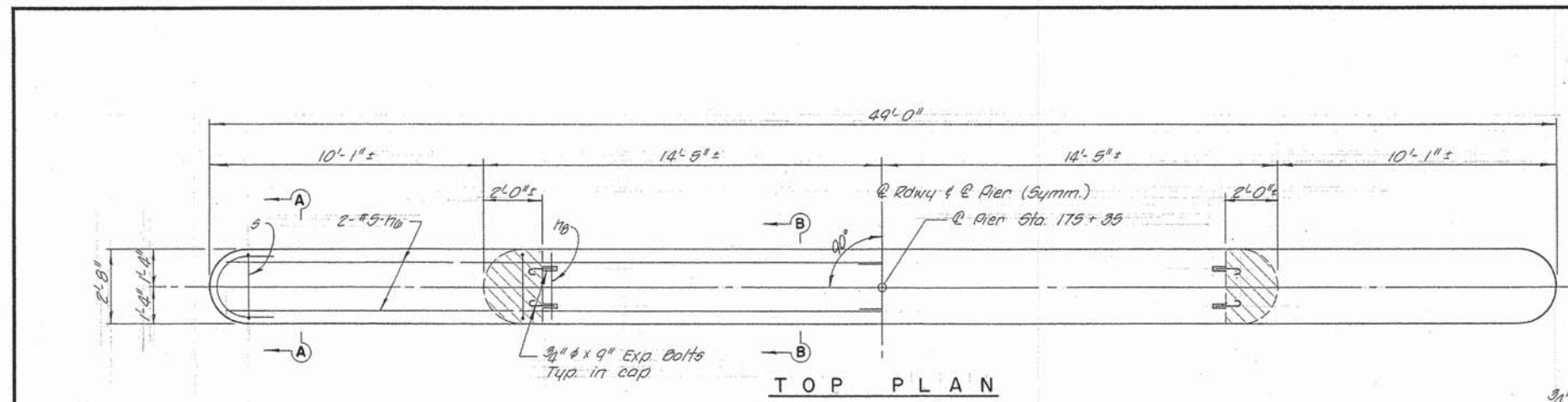
**WILLS BURKE KELSEY ASSOCIATES LTD.**  
116 West Main Street, Suite 201  
St. Charles, Illinois 60174

USER NAME = ngarrjs	DESIGNED -	REVISED -
PLOT SCALE = 1:20	DRAWN -	REVISED -
PLOT DATE = 12/18/2014	CHECKED -	REVISED -
	DATE = 12/15/2014	REVISED -

SCALE: N.T.S.      SHEET NO. 3 OF 4 SHEETS      STA.      TO STA.

**FOR REFERENCE ONLY**

PROJECT NO.	SHEET NO.	TOTAL SHEETS	DATE
C.H. 24	76-0002-01-BR	7	7
DESIGNED BY	DRAWN BY	CHECKED BY	DATE

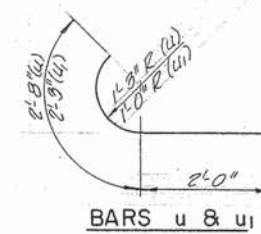
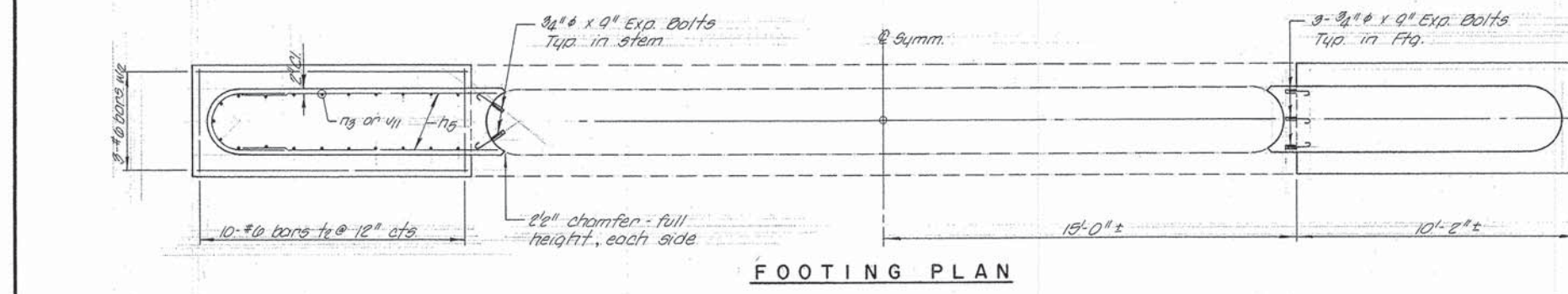


**BILL OF MATERIAL - PIER**

BAR	NO.	SIZE	LENGTH	SHAPE
n3	44	#5	9'-3"	—
h3	4	#5	24'-0"	—
n2	4	#5	10'-0"	—
h2	25	#5	2'-4"	—
n1	42	#5	3'-10"	—
s	22	#4	8'-7"	□
u2	20	#5	3'-8"	—
u1	24	#5	2'-8"	—
u3	20	#5	4'-3"	—
u4	4	#5	7'-7"	—
v11	42	#5	12'-0"	—
v12	6	#5	9'-8"	—

Class X Concrete	Cu Yd	30.2
Reinforcement Bars	Pound	1,890
Concrete Removal	Cu Yd	0.5
Expansion Bolts (#5 x 9")	Each	34
Expansion Bolts (#5 x 4")	Each	20
Structure Excavation	Cu Yd	42
Sealing Cracks	Lin. Ft.	10



Max. Soil Pressure = 4270 lb/ft²

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

COLLINS AND RICE  
CONSULTING ENGINEERS

DESIGNED: R.E.G.      DRAWN: R.E.G.  
DATE: 3-4-16      SHEET NO.: 1017

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

USER NAME = nborris	DESIGNED -	REVISED -
PLOT SCALE = 1/20	DRAWN -	REVISED -
PLOT DATE = 12/18/2014	CHECKED -	REVISED -
	DATE = 12/15/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

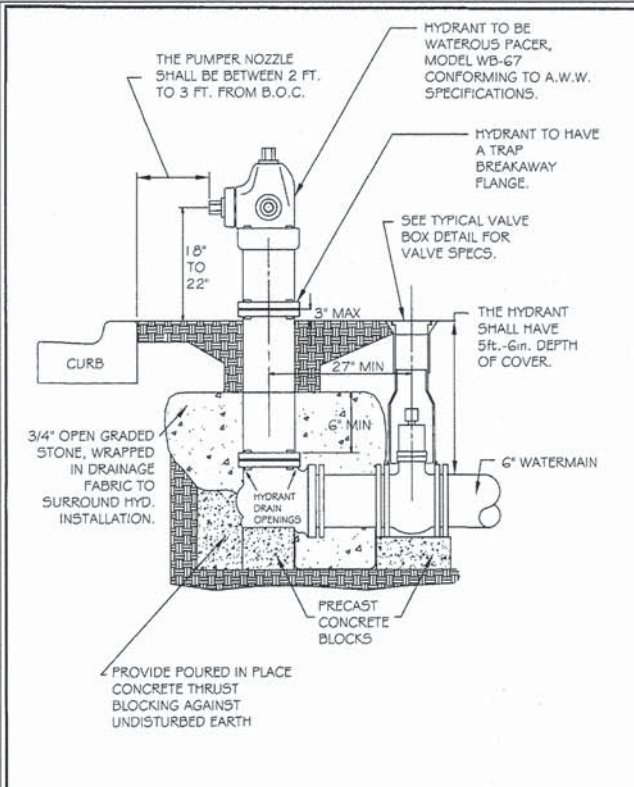
**EXISTING STRUCTURAL PLANS**

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	96	64
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

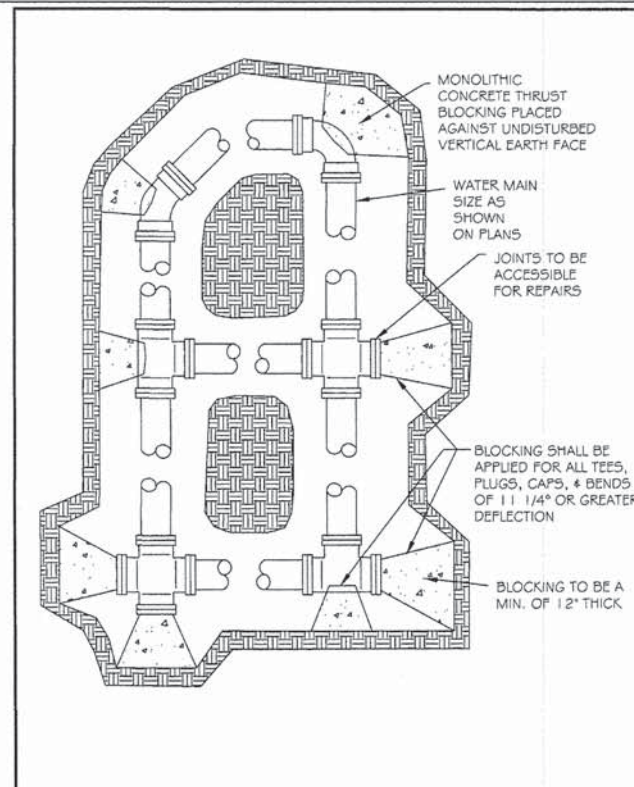
FOR REFERENCE ONLY





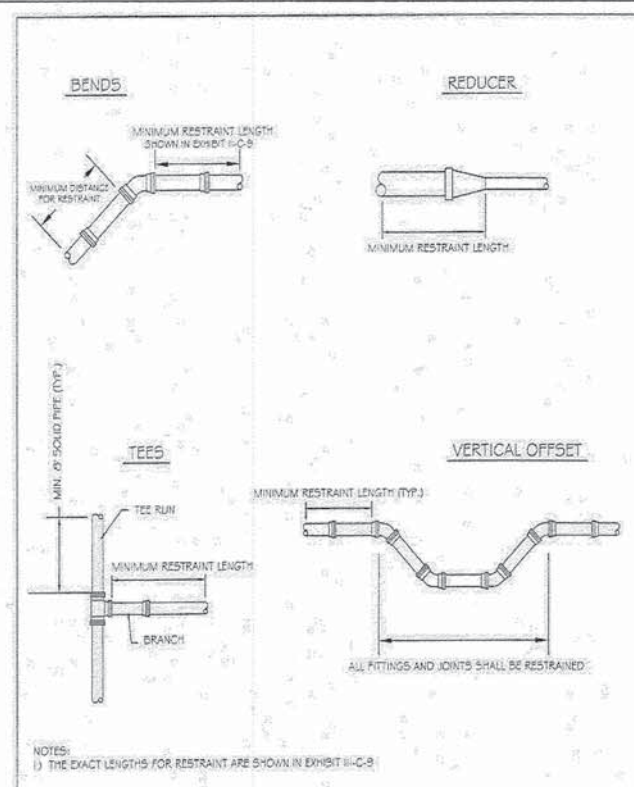
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DATE	BY	SCALE	CHECKED
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1/04	SAZ, redrawn		DF

ENGINEERING



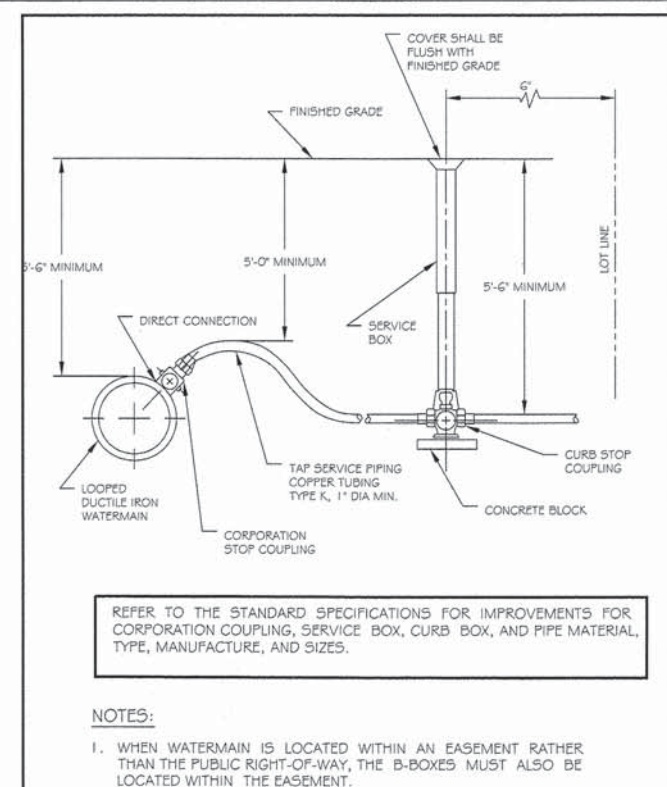
REVISIONS		THRUST BLOCKING	
DATE	BY	SCALE	CHECKED
1/04	NM	NOT TO SCALE	DF

ENGINEERING



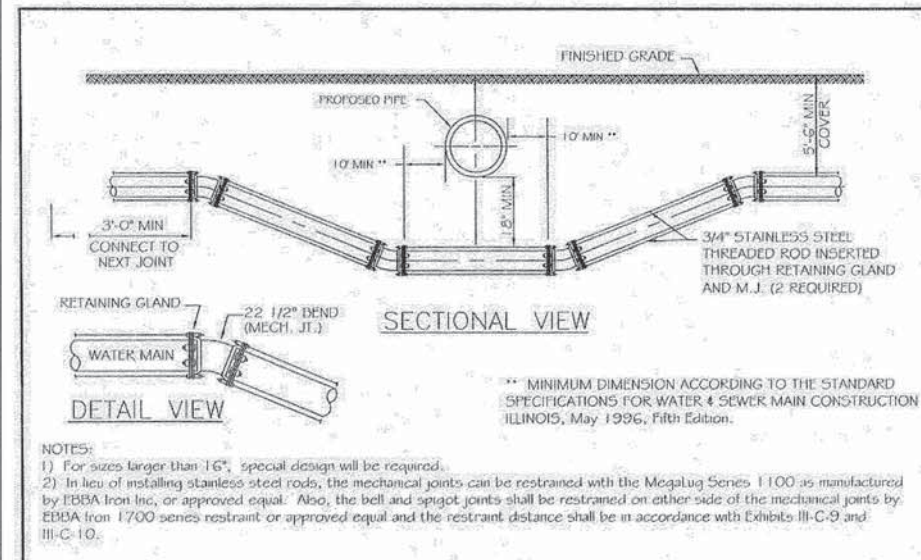
REVISIONS		WATER MAIN RESTRAINT DETAIL	
DATE	BY	SCALE	CHECKED
1/04	NM	NOT TO SCALE	DF

ENGINEERING



REVISIONS		TYPICAL WATER SERVICE TAP AND BOX	
DATE	BY	SCALE	CHECKED
01/01/11	JM	NTS	DF
06/02	NM		DF

ENGINEERING



REVISIONS		WATER MAIN LOWERING DETAIL	
DATE	BY	SCALE	CHECKED
1/04	SAZ	NOT TO SCALE	DF

ENGINEERING

**Minimum Restraint Length (ft) on both sides of the Fitting**

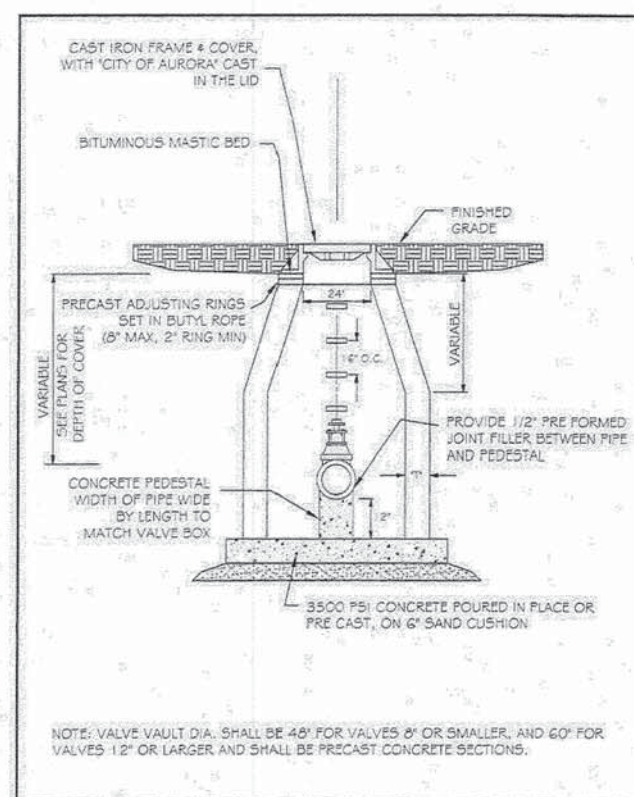
Fitting Type/Nominal Size	6"	8"	12"	16"
11 1/4° Bend	2	3	4	6
22 1/2° Bend	5	6	9	11
45° Bend	10	13	18	23
90° Bend	23	30	43	56
Dead End	31	40	57	74
Top Side of a Vertical Offset <sup>1</sup>	19	25	35	46
Tee Run x Branch <sup>2</sup> 6" BY	24			
Tee Run x Branch <sup>2</sup> 8" BY	22	34		
Tee Run x Branch <sup>2</sup> 12" BY	18	31	51	
Tee Run x Branch <sup>2</sup> 16" BY	14	28	48	67
Reducer <sup>3</sup> 8" BY	17			
Reducer <sup>3</sup> 12" BY	42	30		
Reducer <sup>3</sup> 16" BY	62	54	31	

- <sup>1</sup> All joints within the lowered section of the watermain shall be restrained or shall be solid pipe. The above distances reflect the required restraint distance on the normally elevated watermain either side of the 45° fitting of the vertical offset (or lowering).
- <sup>2</sup> Minimum of 8 ft of solid pipe is required on both sides of the fitting on the run side. Distance indicates the length of restraint on the branch side or the side perpendicular to the tee run watermain.
- <sup>3</sup> Indicates the distance from the larger end of the reducer.

Notes: 1) All nuts and bolts shall be stainless steel.  
2) The entire restraint system from the fitting to the minimum restraint distance must be inspected by The City of Aurora or it's representative prior to backfilling.

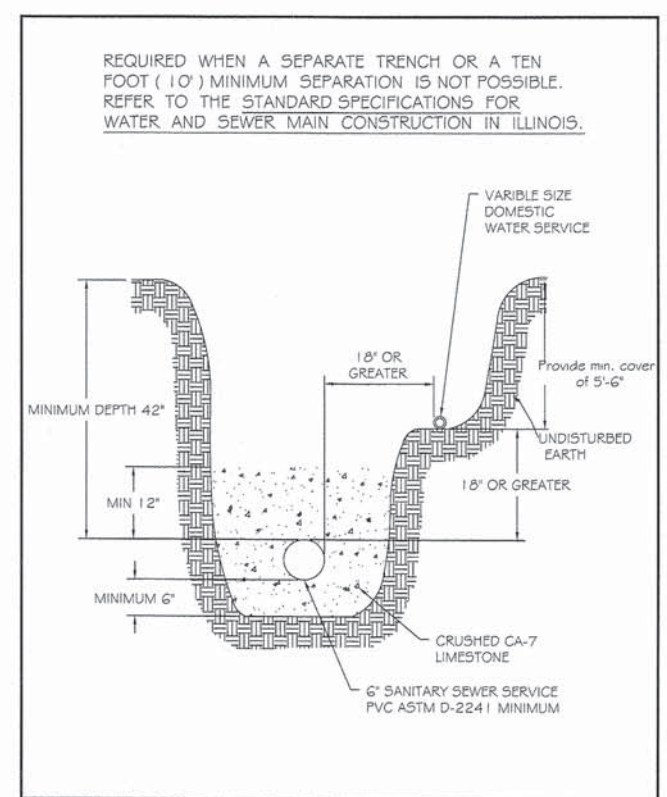
Revisions		Watermain Restraint Length Table	
Date	By	Scale	Checked
		None	PJH
		Date:	Drawn:
		2/04	DF

ENGINEERING Department



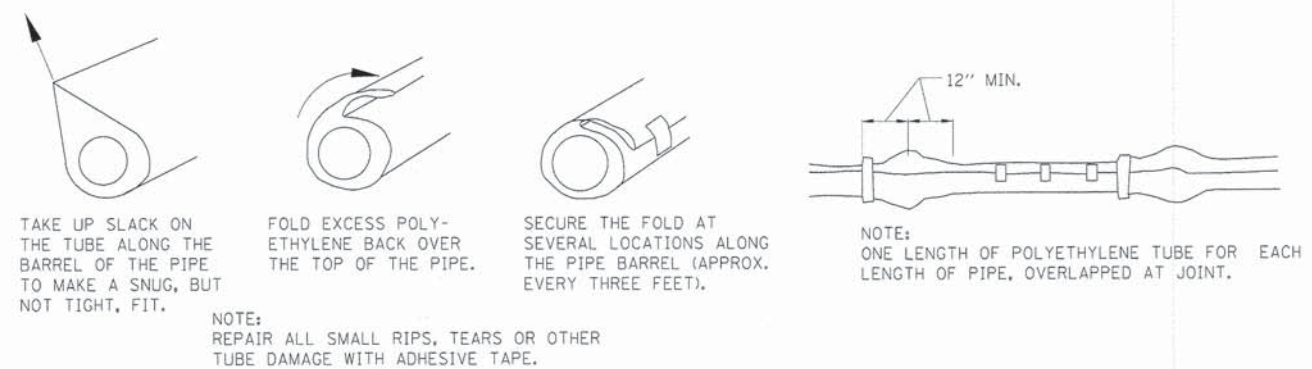
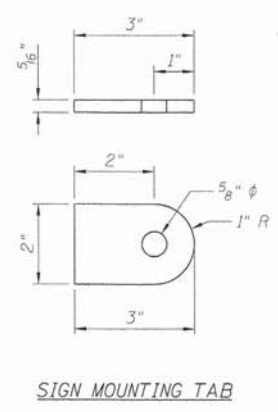
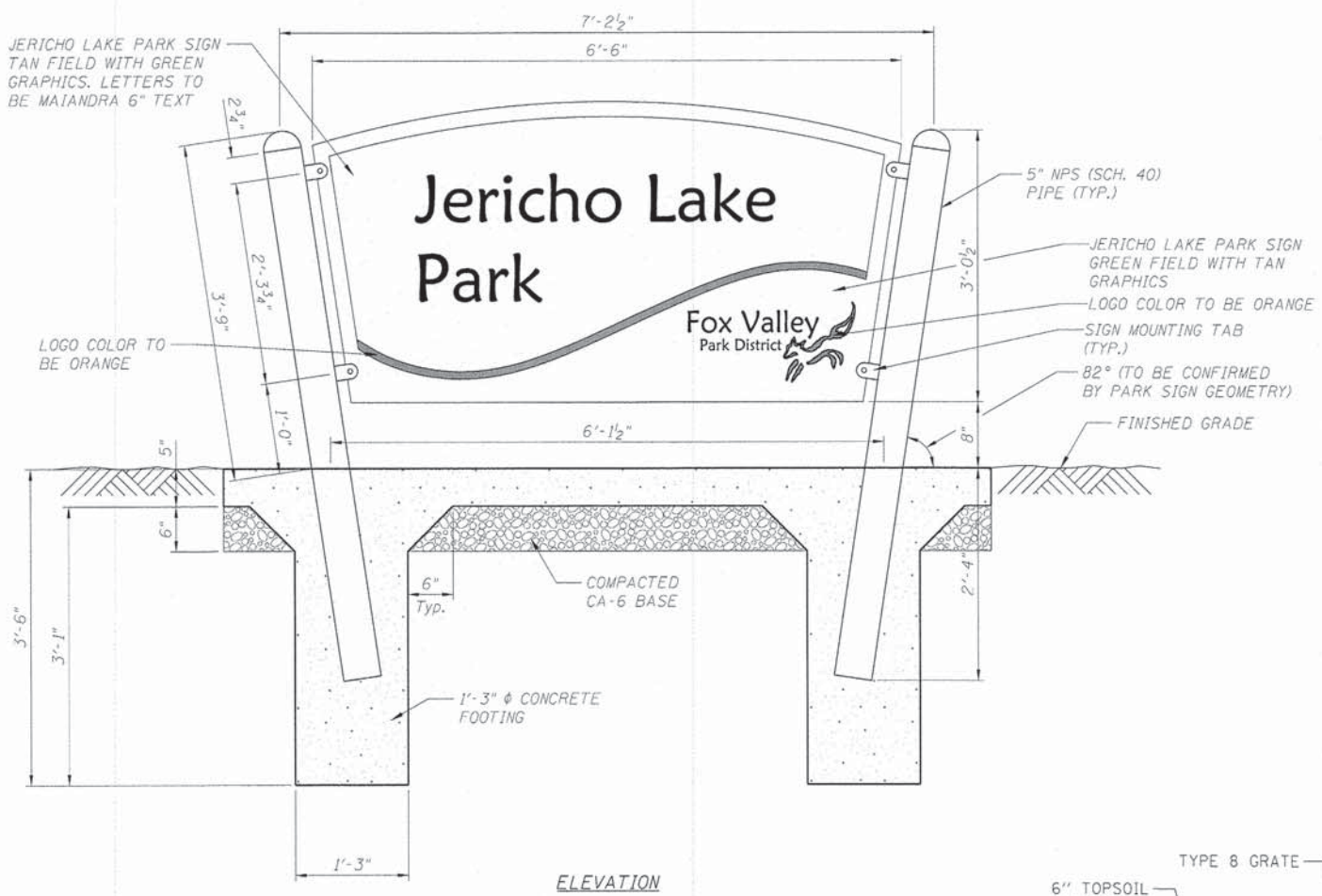
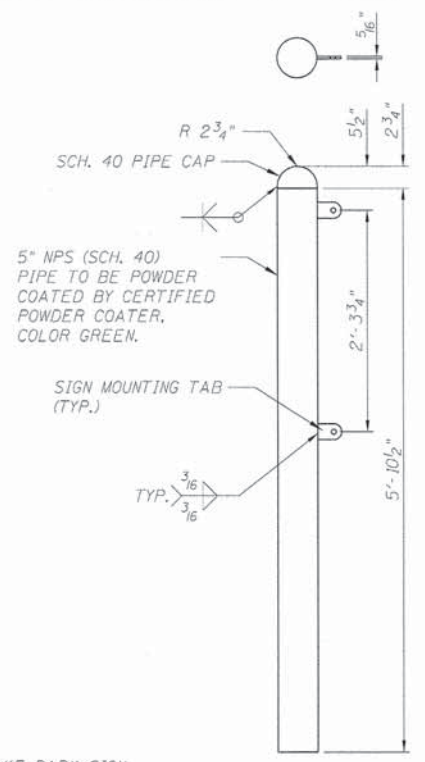
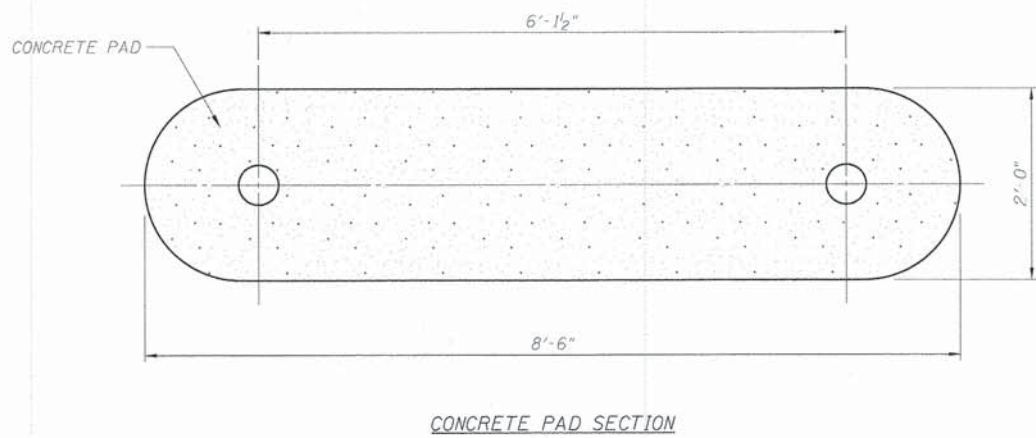
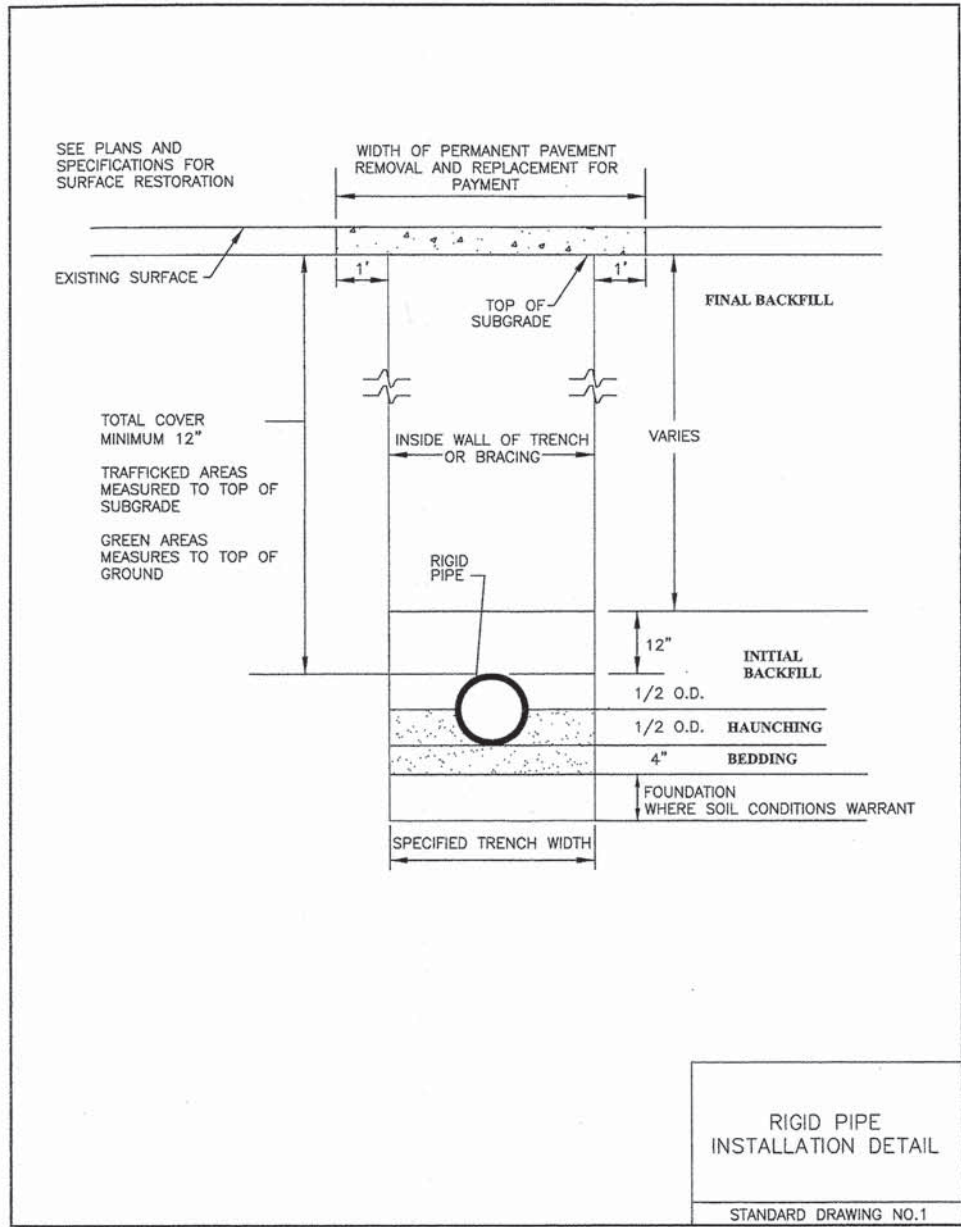
REVISIONS		VALVE VAULT	
DATE	BY	SCALE	CHECKED
1/04	NM	NOT TO SCALE	DF

ENGINEERING

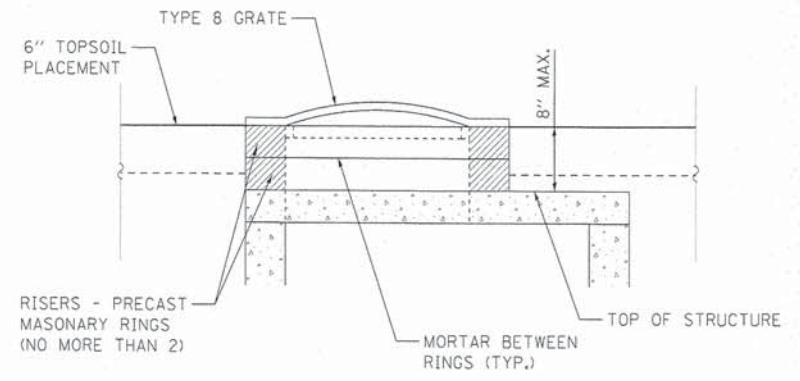


REVISIONS		SANITARY AND WATER SERVICE SEPARATION	
DATE	BY	SCALE	CHECKED
1/04	NM	NOT TO SCALE	DF

ENGINEERING



- NOTES:
- SIGN SHALL BE DOUBLE SIDED ROUTED RECYCLED PLASTIC - TAN CORE WITH GREEN OUTER SHELL.
  - THE PARK IDENTIFICATION SIGN SHALL CONFORM TO THE SPECIAL PROVISION, "ENTRY SIGN."



ENTRY SIGN DETAIL  
N.T.S.

TYPE 8 GRATE RISER DETAIL  
N.T.S.

FILE NAME: M:\P\proj\2811\118222 - Jericho Park\118222\Drawings\118222.dwg

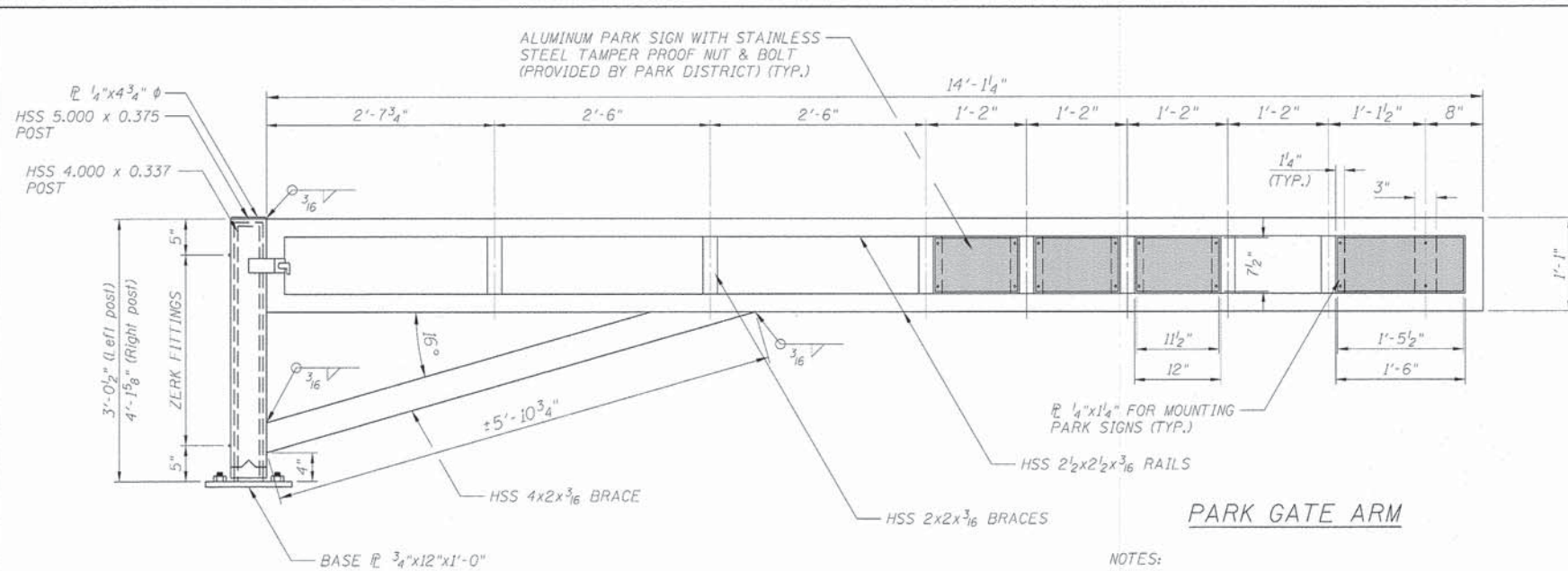


USER NAME = ndorris	DESIGNED -	REVISED -
PLOT SCALE = 1:1	DRAWN - NDP	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

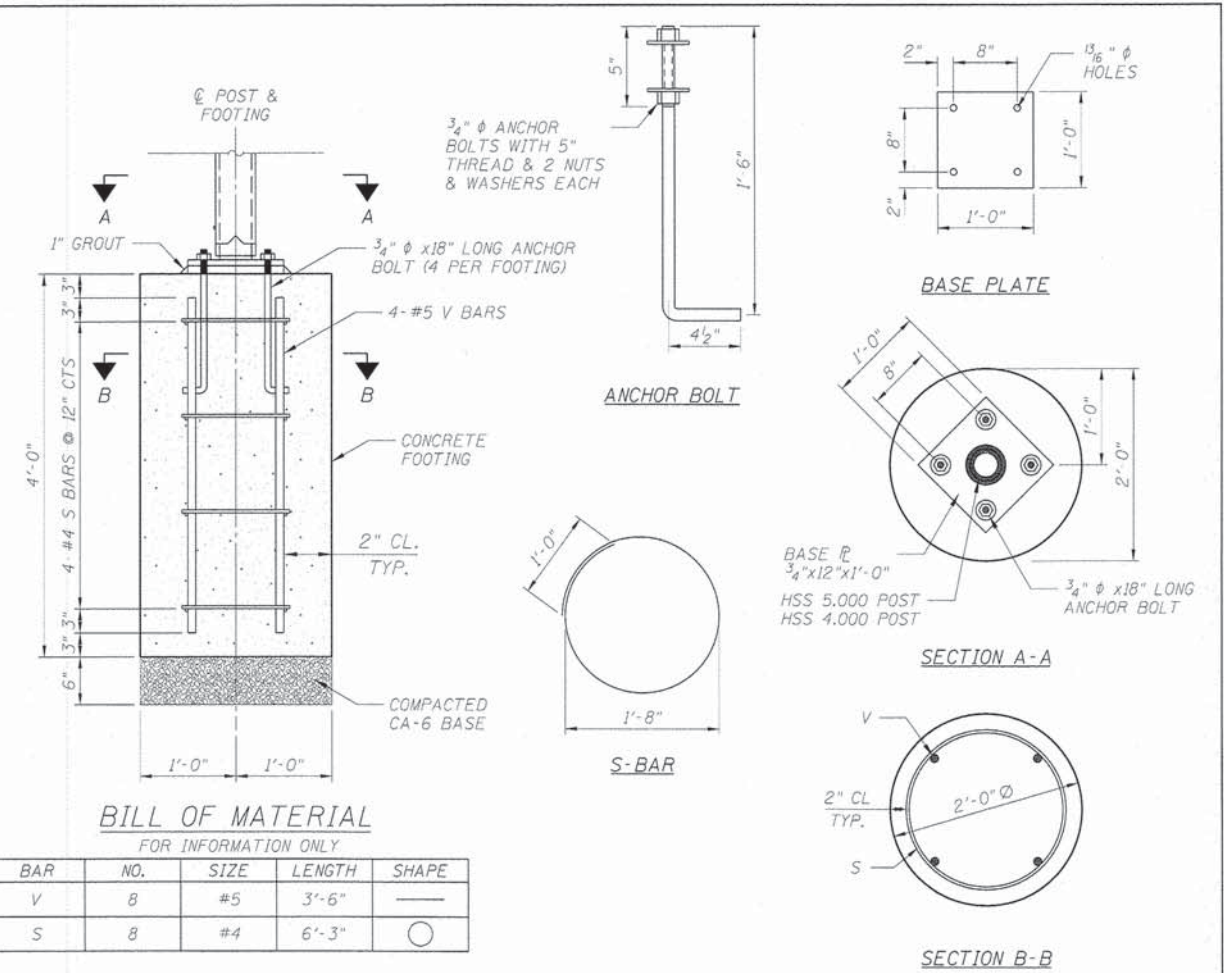
DETAILS	
SCALE: N.T.S.	SHEET NO. 2 OF 11 SHEETS STA. TO STA.

F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 66
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				



**PARK GATE ARM**

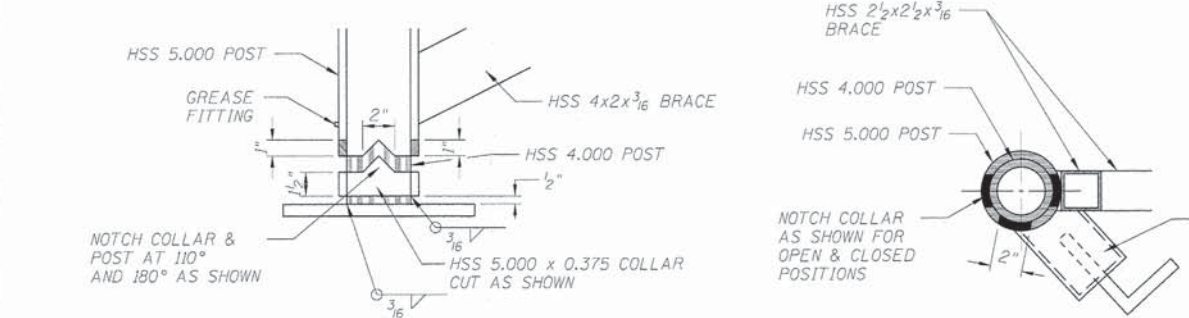
- NOTES:
1. THE ENTRANCE GATE SHALL CONFORM TO THE SPECIAL PROVISION, "GATE, SPECIAL."
  2. THIS PARK ENTRANCE GATE, POSTS & FOOTINGS SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE PAID FOR AS EACH FOR "GATE, SPECIAL."
  3. SEE CROSS SECTION 4-55.00 IN THE CROSS SECTION SHEETS FOR ROADWAY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



**BILL OF MATERIAL**

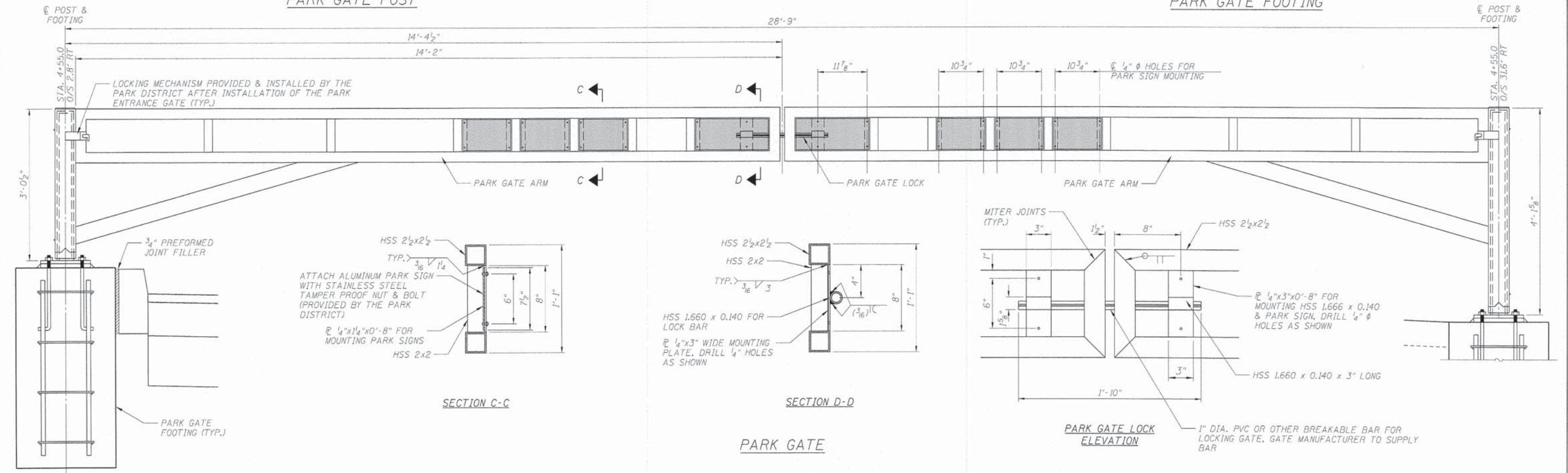
FOR INFORMATION ONLY

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



**PARK GATE POST**

**PARK GATE FOOTING**

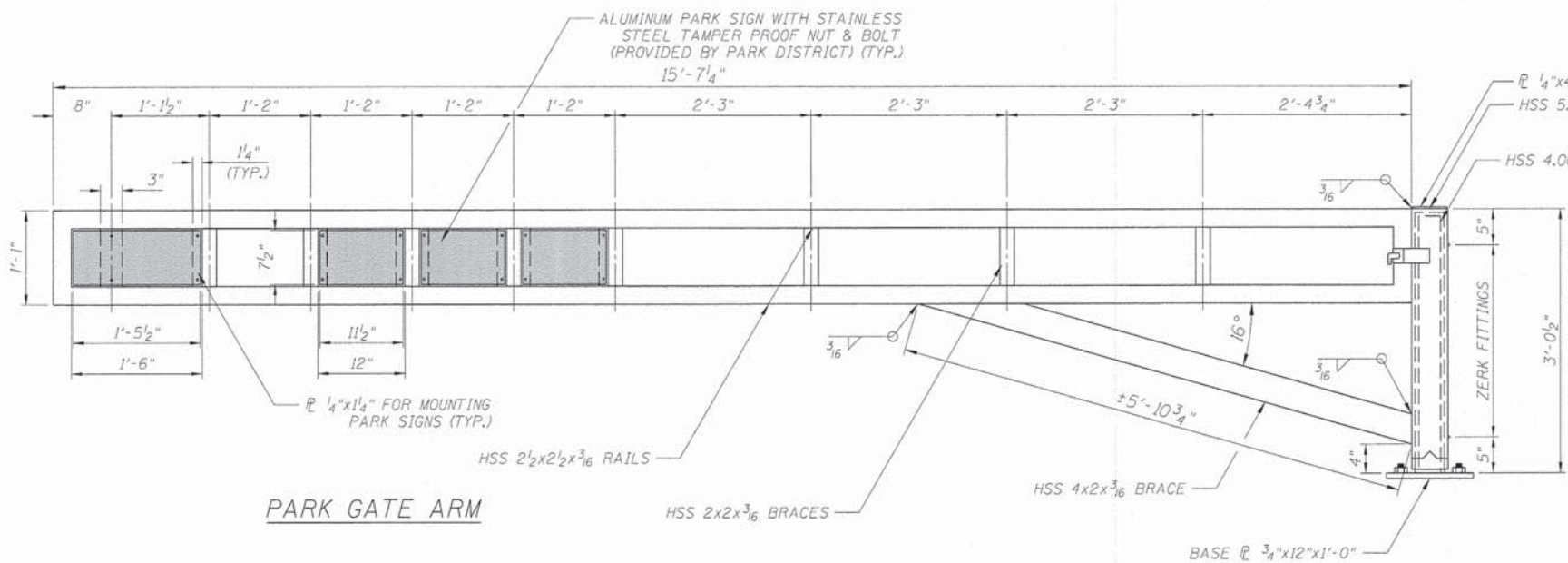


**SECTION C-C**

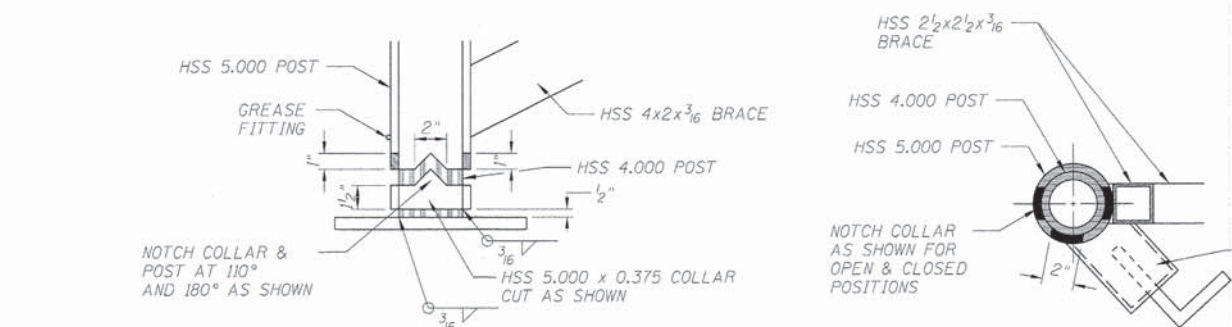
**SECTION D-D**

**PARK GATE**

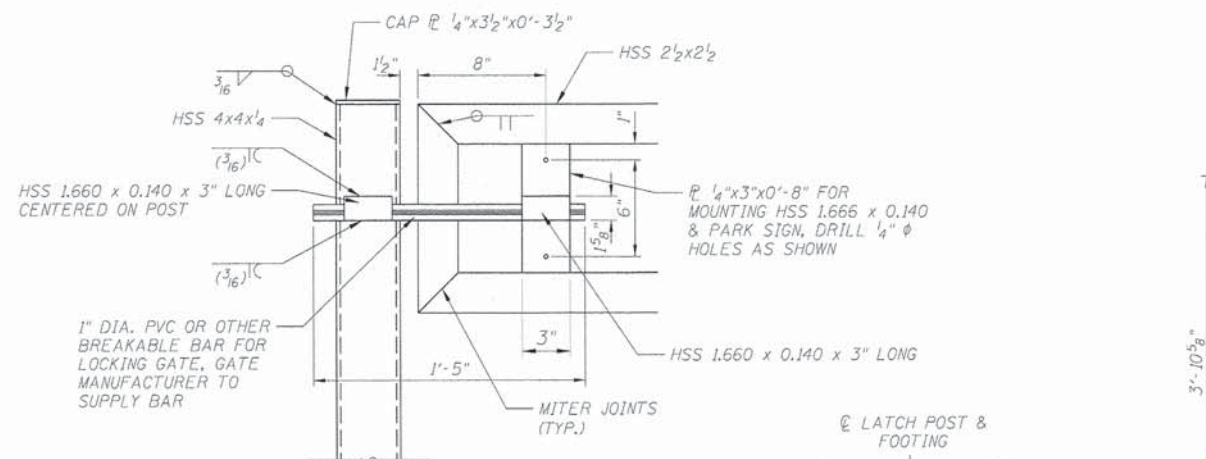
**PARK GATE LOCK ELEVATION**



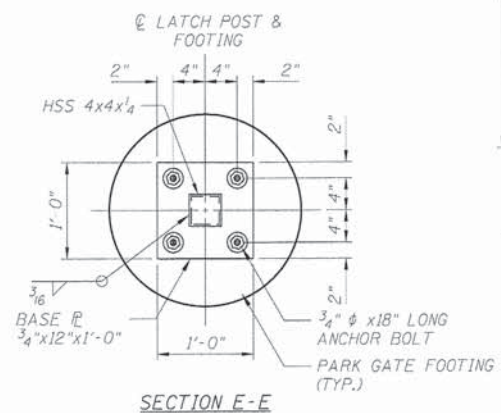
PARK GATE ARM



PARK GATE POST

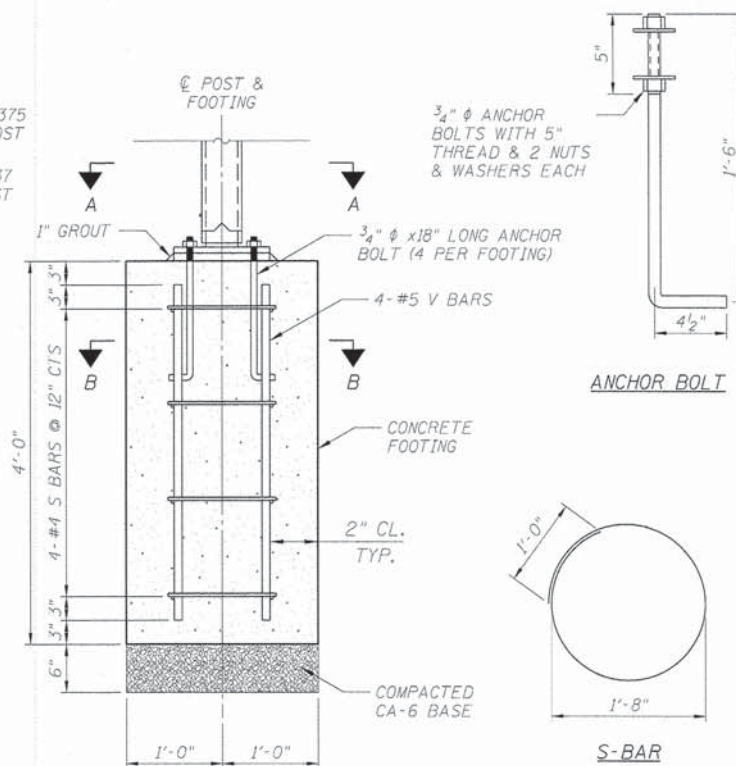


PARK GATE LOCK ELEVATION



SECTION E-E

- NOTES:
1. THE ENTRANCE GATE SHALL CONFORM TO THE SPECIAL PROVISION, "GATE, SPECIAL."
  2. THIS PARK ENTRANCE GATE, POSTS & FOOTINGS SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE PAID FOR AS EACH FOR "GATE, SPECIAL."
  3. SEE CROSS SECTION 4+55.00 IN THE CROSS SECTION SHEETS FOR ROADWAY & DITCH ELEVATIONS.
- LOCKING MECHANISM PROVIDED & INSTALLED BY THE PARK DISTRICT AFTER INSTALLATION OF THE PARK ENTRANCE GATE (TYP.)

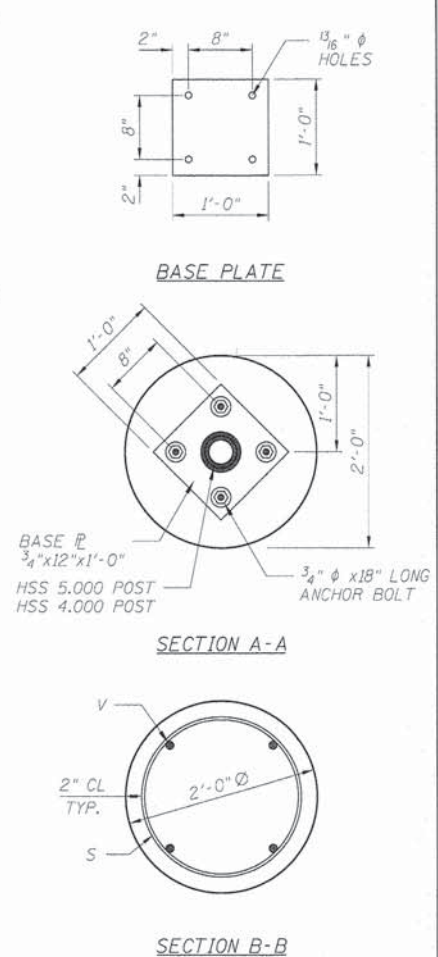


PARK GATE FOOTING

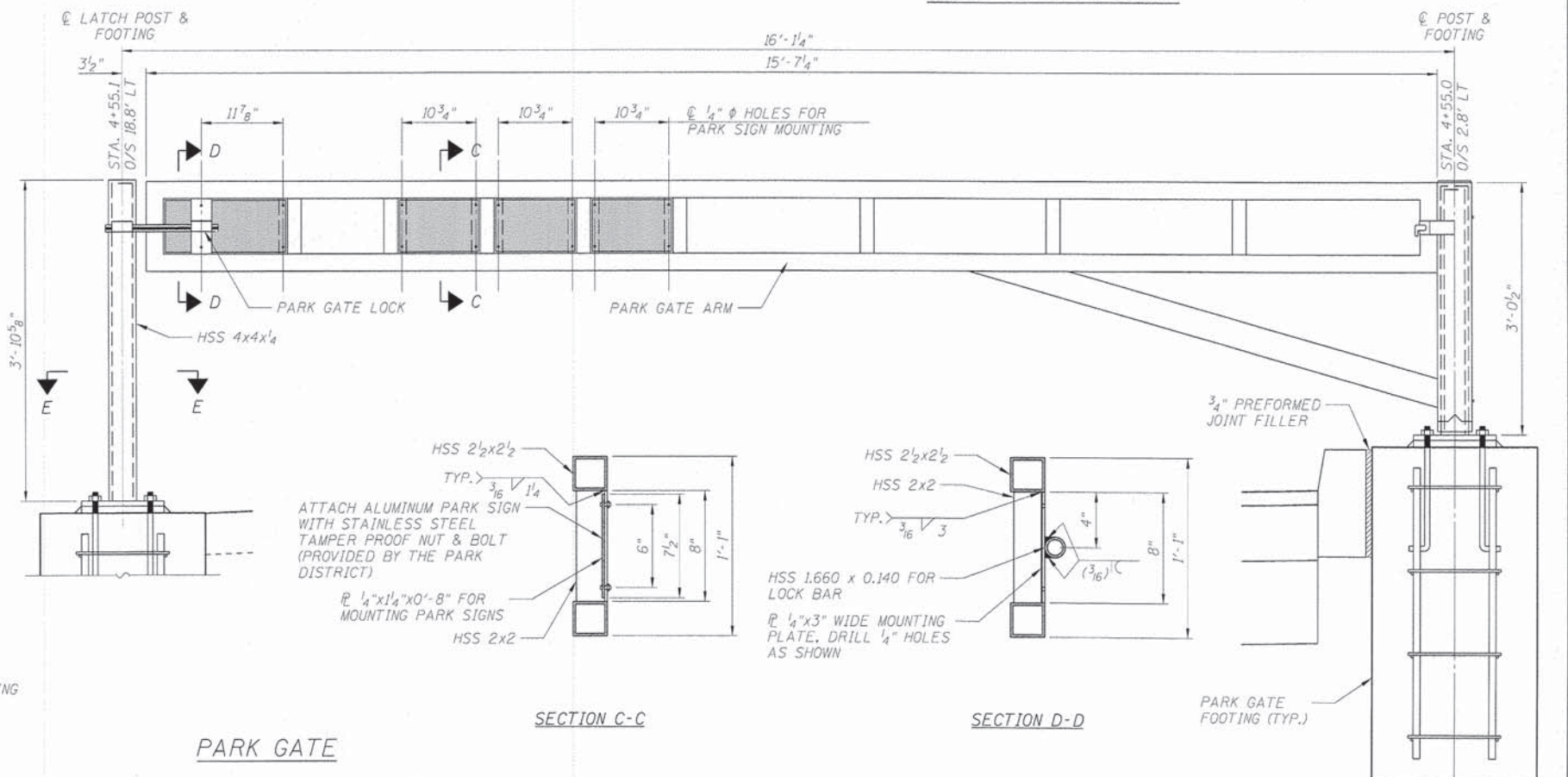
BILL OF MATERIAL

FOR INFORMATION ONLY

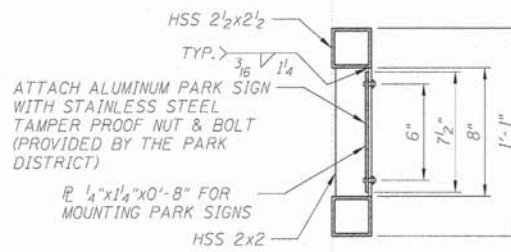
BAR	NO.	SIZE	LENGTH	SHAPE
V	8	#5	3'-6"	—
S	8	#4	6'-3"	○



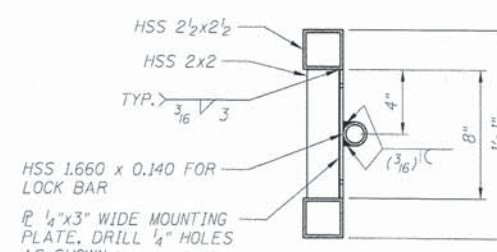
SECTION B-B



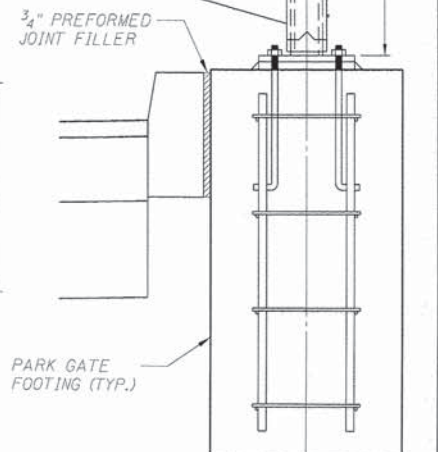
PARK GATE



SECTION C-C



SECTION D-D



PARK GATE FOOTING (TYP.)

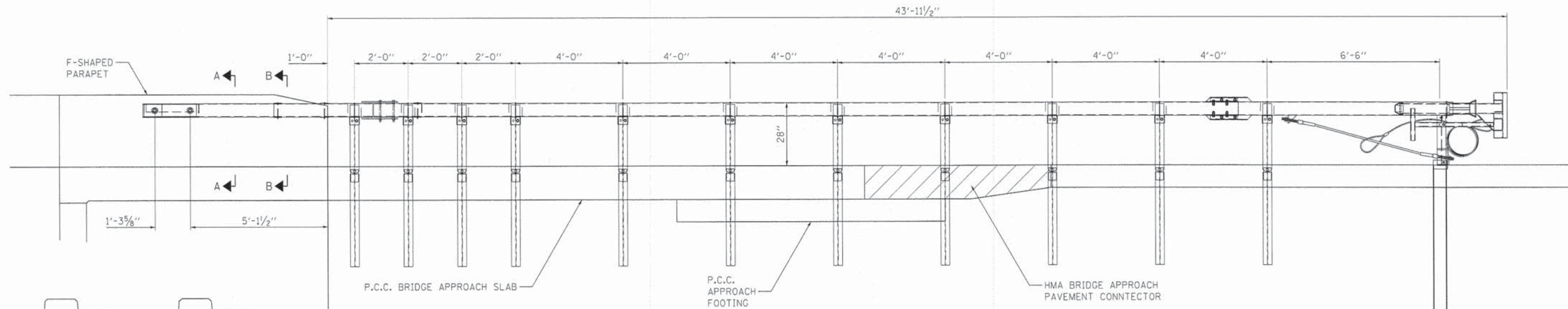
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GATE, SPECIAL DETAIL  
JERICHO LAKE PARK ENTRANCE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	68
CONTRACT NO. 63873				

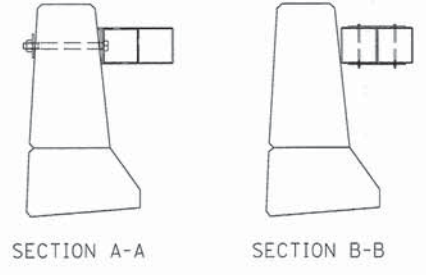
WILLS BURKE KELSEY ASSOCIATES LTD.  
116 West Main Street, Suite 201  
St. Charles, Illinois 60174

USER NAME	DESIGNED	REVISIONS
ndp	NDP	
SBP	SBP	
DATE	DATE	REVISIONS
12/11/2014	12/15/2014	

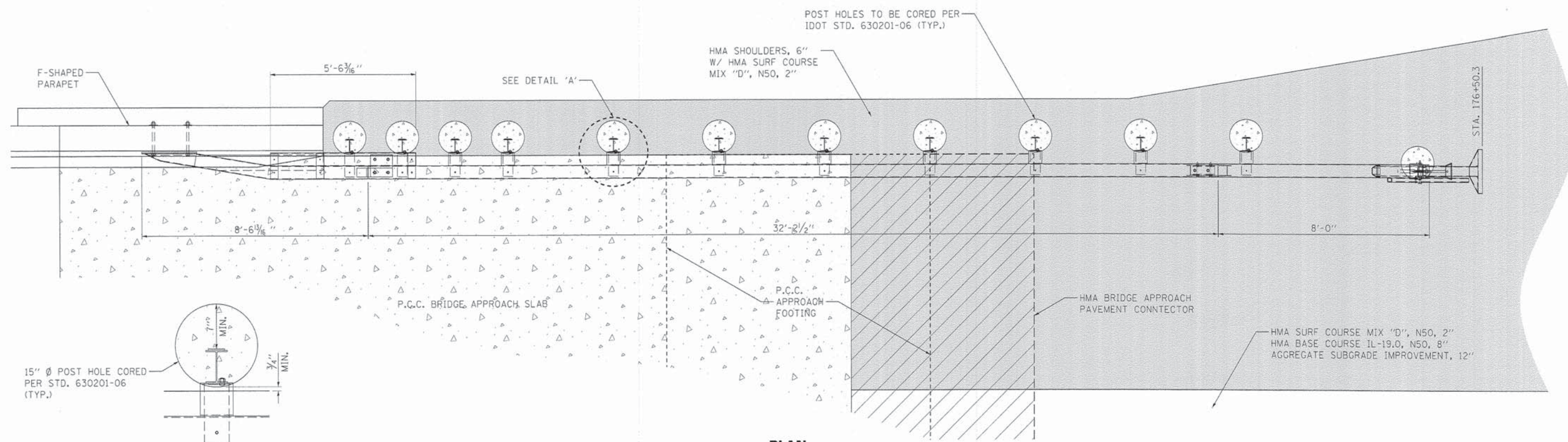


**ELEVATION**

PAVEMENT CONNECTOR NOTE:  
 THE BRIDGE APPROACH PAVEMENT CONNECTOR SHALL NOT EXTEND PAST THE FACE OF GUARDRAIL. GUARDRAIL POST MUST BE SET IN THE HMA SHOULDER.

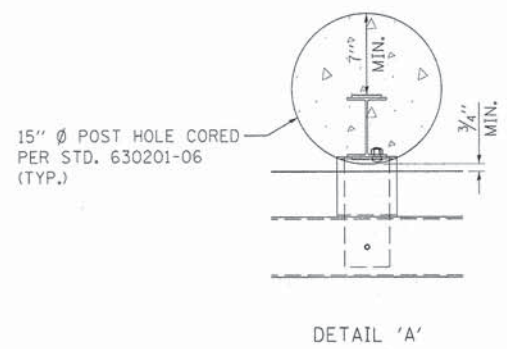


SECTION A-A SECTION B-B



**PLAN**

**TRAFFIC BARRIER TERMINAL (SPECIAL) DETAIL**  
 FOR INFORMATION ONLY



DETAIL 'A'

FILE NAME: M:\Projects\2011\102202 - Jerricho\11\Road\1\Drawn\Sh\A\DETAILS.BB.dgn

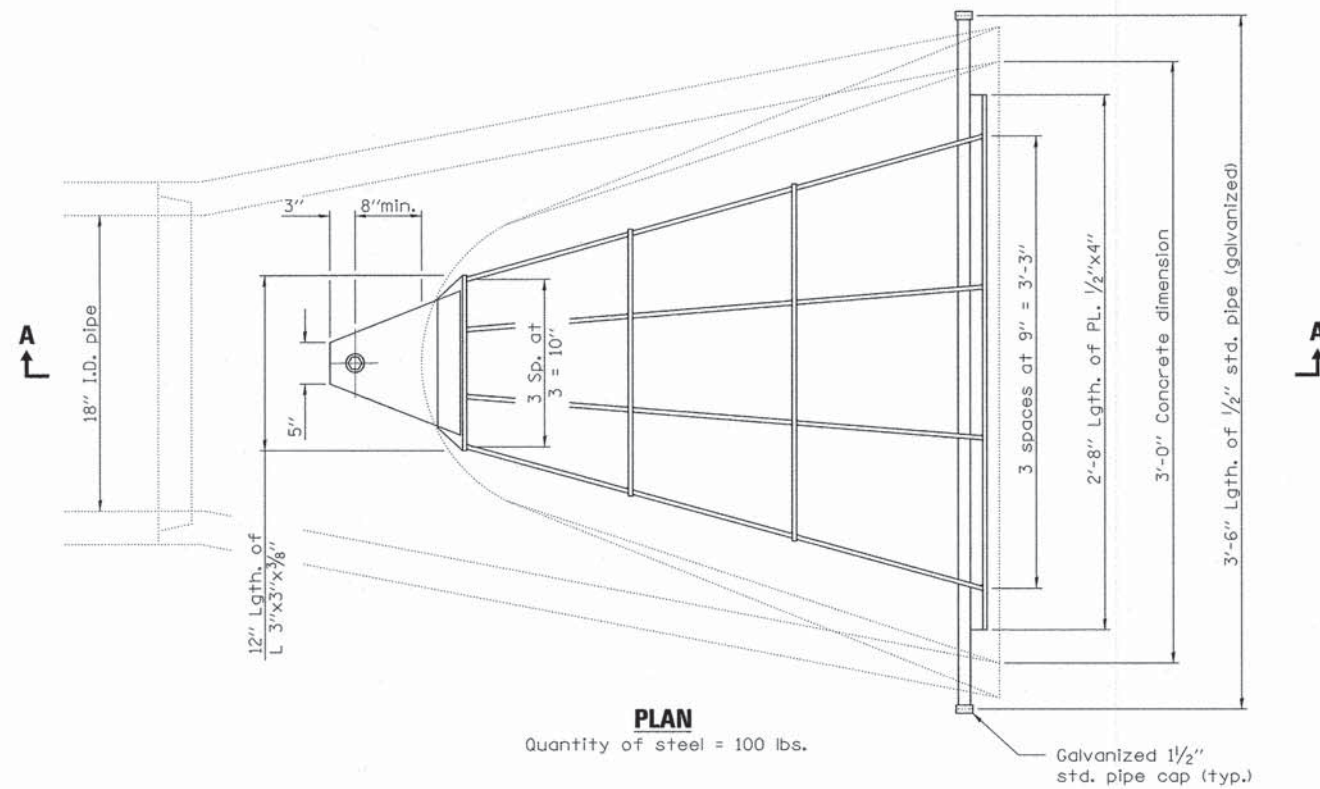
**WBK** WILLS BURKE KELSEY ASSOCIATES LTD.  
 116 West Main Street, Suite 201  
 St. Charles, Illinois 60174

USER NAME = nparis	DESIGNED -	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE = 12/15/2014	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

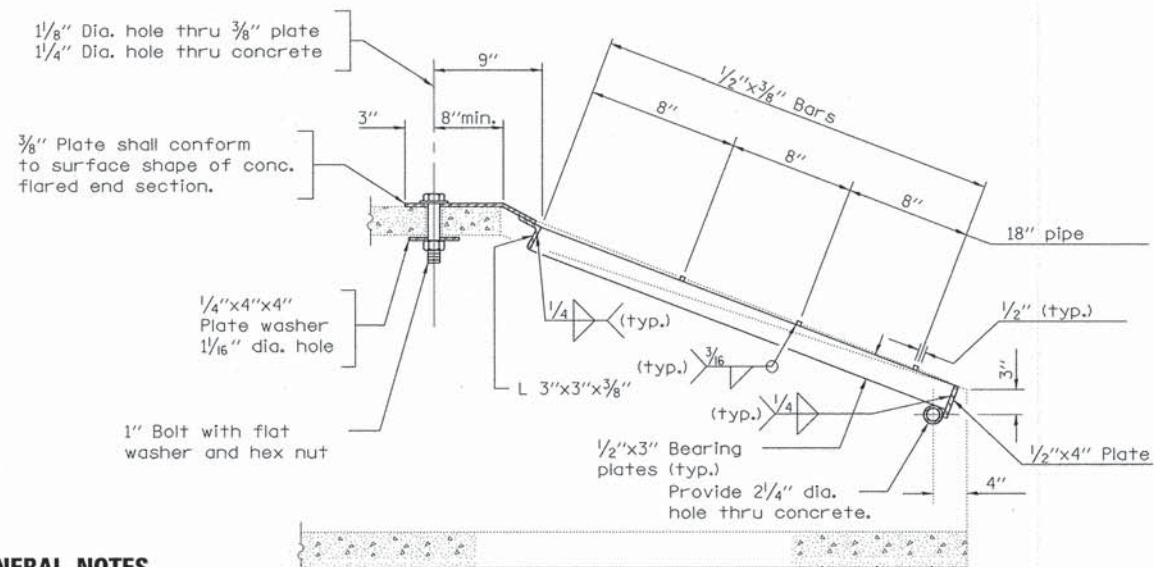
<b>TRAFFIC BARRIER TERMINAL (SPECIAL) DETAIL</b>		
SCALE: N.T.S.	SHEET NO. 5 OF 11 SHEETS	STA. TO STA.

F.A.J. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 69
CONTRACT NO. 63873				
[ILLINOIS] FED. AID PROJECT				



**PLAN**  
Quantity of steel = 100 lbs.

Galvanized 1/2" std. pipe cap (typ.)



**SECTION A-A**

**GENERAL NOTES**

Grating details shown are intended for use with particular sizes of precast reinforced concrete flared end sections as shown on standards 542301.

Approximate quantity of steel shown includes total quantity of grating, bolts, nuts, washers and steel pipe.

Holes in the precast concrete flared end sections shall be cored to the diameters noted. If cone-out on the other end of the hole occurs, the hole shall be filled with grout to correct the diameter of the hole.

**GRATING FOR 18" PRECAST REINFORCED CONCRETE FLARED END SECTION**

FILE NAME = \\NA\Projects\2011\10222 - Jerricho\PHIT\roads\Civil\Drawings\SH\DETAILS\_06.dgn



USER NAME = nparr15	DESIGNED -	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/12/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DETAILS**

SCALE: N.T.S.	SHEET NO. 6 OF 11 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	70
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

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

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, SEALINK OR EPIC)
20.000	HARD FESCUE (RESCUE 911, SPARTAN II OR RELIANT IV)
70.000	FULTS SALT GRASS OR SALTY ALKALIGRASS
<b>200.000</b>	<b>TOTAL WEIGHT OF SEEDS (LBS)</b>

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	BOUPELOUA 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
<b>33.000</b>	<b>TOTAL WEIGHT OF SEEDS (LBS)</b>			
COVER CROP:				
25.000	LOLIUM MULTIFLORUM	ANNUAL RYEGRASS	0	UPL
25.000	AVENA SATIVA	OATS	0	UPL

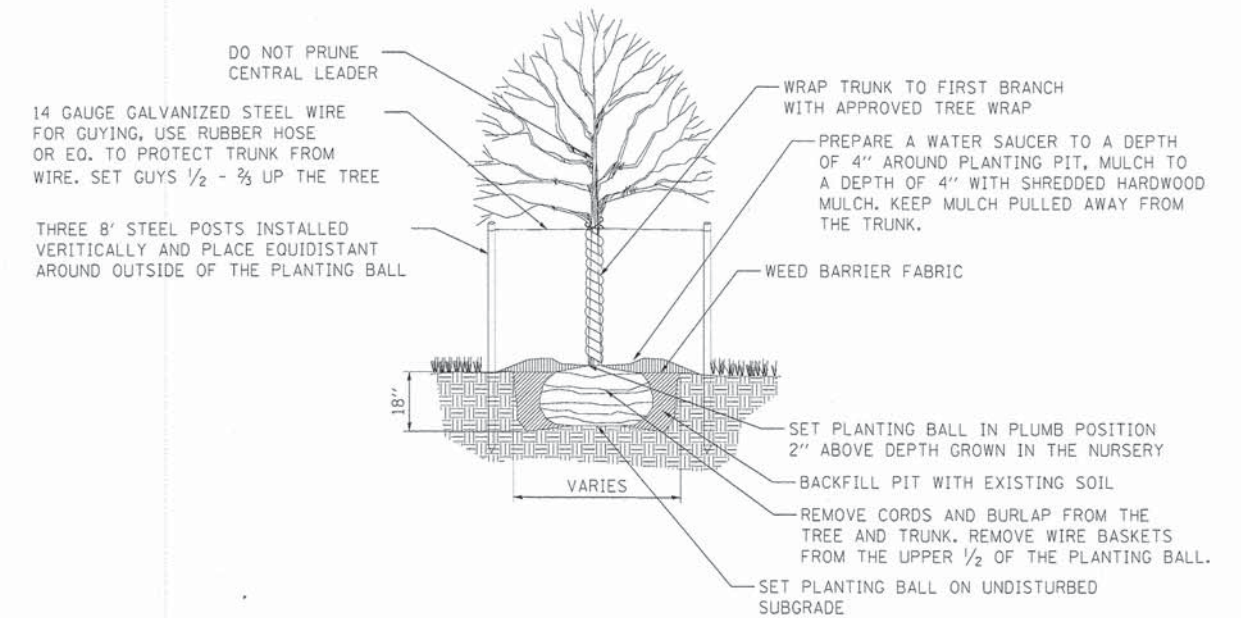
SEEDING, CLASS 5			
SCIENTIFIC NAME	COMMON NAME	C - VALUE	IND. STATUS
AMORPHA CANESCENS *	LEADPLANT	9	UPL
ANEMONE CYLINDRICA	THIMBLE WEED	6	UPL
ASCLEPIAS TUBEROSA	BUTTERFLY WEED	7	UPL
ASTER AZUREUS	SKY BLUE ASTER	8	UPL
ASTER LAEVIS	SMOOTH BLUE ASTER	9	UPL
ASTER NOVAE-ANGLIAE	NEW ENGLAND ASTER	4	FACW
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
PETALOSTEMUM 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
RUDBECKIA 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+
VERONICISTRUM VIRGINICUM	CULVER'S ROOT	7	FAC
<b>TOTAL WEIGHT OF SEEDS = 10.000 LBS./ACRE</b>			
<b>MIXTURE NOT EXCEEDING 5% BY WEIGHT PLS OF ANY ONE SPECIES</b>			
<b>* INNOCULATION REQUIRED</b>			

SEEDING, CLASS 4A				
LBS. / ACRE	SCIENTIFIC NAME	COMMON NAME	C - VALUE	IND. STATUS
5.000	ANDROPOGON SCOPARIUS	LITTLE BLUESTEM	5	FACU-
5.000	BOUPELOUA 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
<b>26.500</b>	<b>TOTAL WEIGHT OF SEEDS (LBS)</b>			
COVER CROP:				
10.000	LOLIUM MULTIFLORUM	ANNUAL RYEGRASS	0	UPL
32.000	AVENA SATIVA	OATS	0	UPL

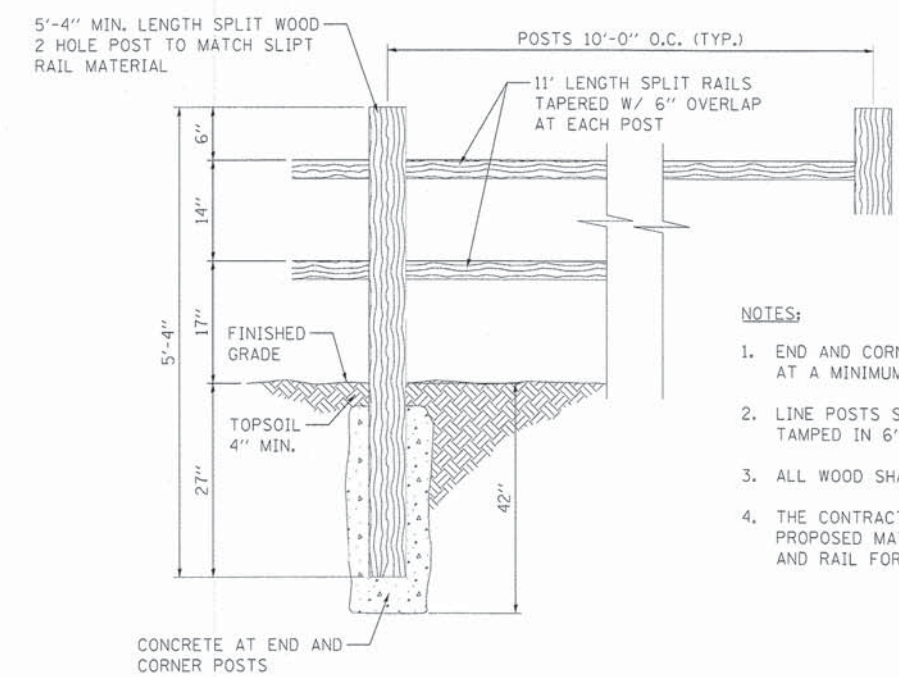
SEEDING, CLASS 4 MODIFIED (SHADED STREAMBANK)				
LBS/ACRE	SCIENTIFIC NAME	COMMON NAME	C-VALUE	IND. STATUS
1.000	BROMUS LATIGLUMIS	EAR-LEAFED BROME	5	FACW-
0.250	CAREX LUPULIFORMIS	KNOBBED HOP SEDGE	10	OBL
0.250	CAREX NORMALIS	NORMAL SEDGE	5	FAC
0.250	CAREX PROJECTA	NECKLACE SEDGE	4	FACW+
5.000	ELYMUS CANADENSIS	NODDING WILD RYE	4	FAC-
5.000	ELYMUS RIPARIUS	RIVERBANK WILD RYE	5	FAC-
5.000	ELYMUS VILLOSUS	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 TRIMALIS	ROUGH BLUE GRASS	--	FACW
<b>46.000</b>	<b>TOTAL WEIGHT OF SEEDS (LBS)</b>			
COVER CROP:				
5.000	AGROSTIS ALBA	RED TOP GRASS	0	FACW
20.000	AVENA SATIVA	OATS	0	UPL

SEEDING, CLASS 5B		
LBS/ACRE	SCIENTIFIC NAME	COMMON NAME
0.080	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	POLYGONIUM PENNSYLVANICUM	PENNSYLVANIA SMARTWEED
0.200	POLYGONIUM 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
<b>2.000</b>	<b>TOTAL WEIGHT OF SEEDS (LBS)</b>	

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
<b>13.000</b>		<b>TOTAL WOODY PLANTS</b>			



**TREE PLANTING DETAIL**  
N.T.S.



- NOTES:**
1. END AND CORNER POSTS SHALL BE SET IN CONCRETE AT A MINIMUM DEPTH OF 42".
  2. LINE POSTS SHALL BE SET WITH COMPACTED EARTH, TAMPED IN 6" LIFTS.
  3. ALL WOOD SHALL BE WESTERN RED CEDAR.
  4. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF PROPOSED MATERIAL AND SAMPLES OF TYPICAL POST AND RAIL FOR APPROVAL PRIOR TO INSTALLATION.

**RUSTIC WOOD RAIL AND POST FENCE (2-RAIL)**  
N.T.S.

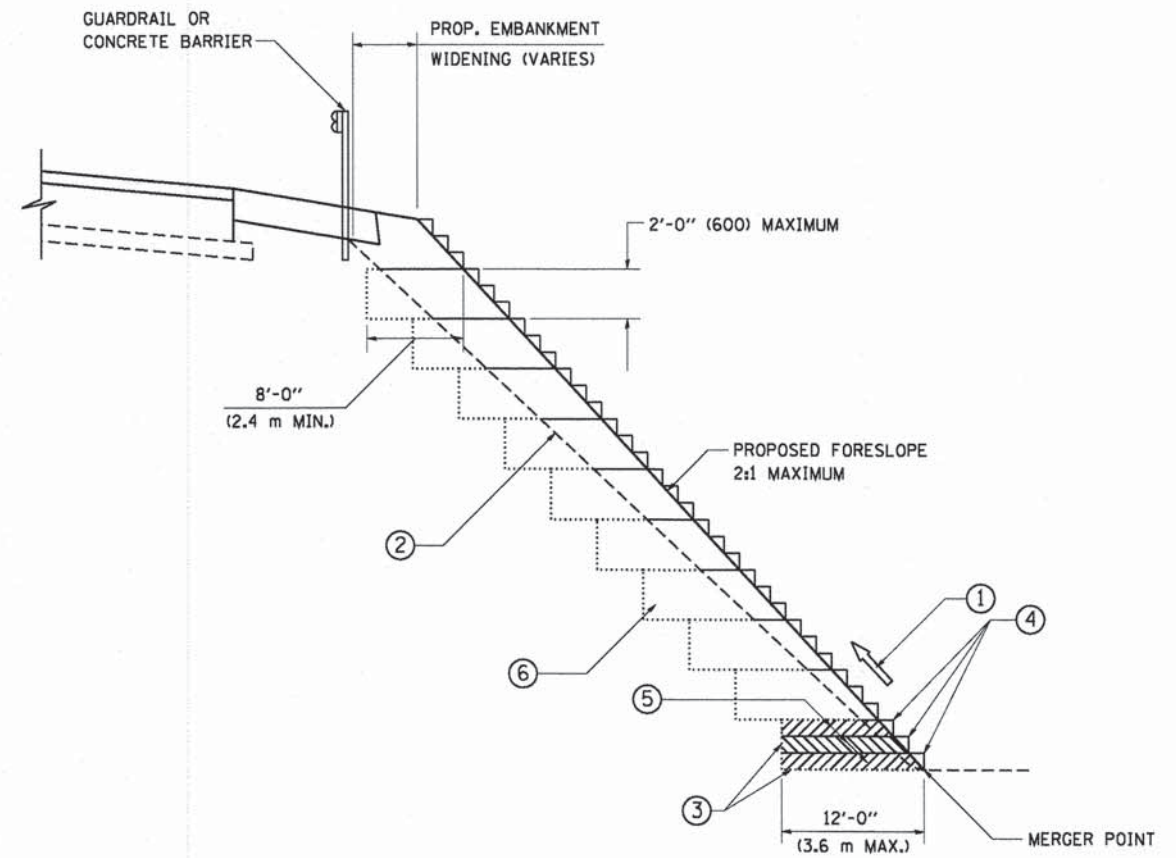
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**WILLS BURKE KELSEY ASSOCIATES LTD.**  
116 West Main Street, Suite 201  
St. Charles, Illinois 60114

USER NAME - rcorris	DESIGNED -	REVISED -
PLOT SCALE = 1:20	CHECKED - SBP	REVISED -
PLOT DATE = 12/11/2014	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N.T.S.	SHEET NO. 7 OF 11 SHEETS	1542	04-00329-00-BR	KANE	96	71
				CONTRACT NO. 63873		
				ILLINOIS FED. AID PROJECT		



**TYPICAL BENCHING DETAIL  
FOR EMBANKMENT**

**NOTES:**

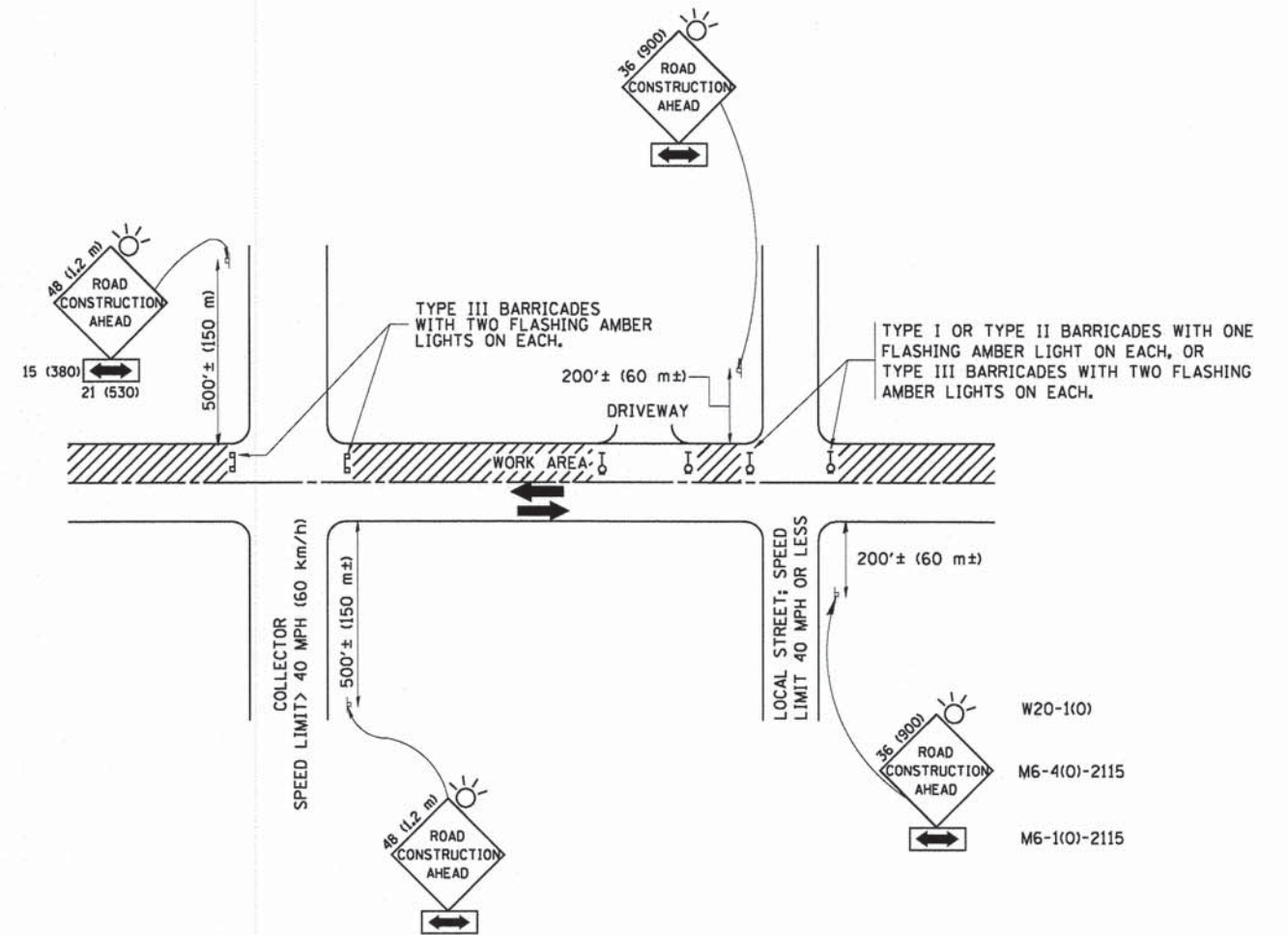
- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL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

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

FILE NAME = M:\Projects\2011\112202 - Jerricho\PH\Road\Civil\Drawings\DT.DWG

FILE NAME = M:\Projects\2011\112202 - Jerricho\PH\Road\Civil\Drawings\DT.DWG	USER NAME = geglienobt	DESIGNED - DRAWN - CADD	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BENCHING DETAIL FOR EMBANKMENT WIDENING</b>		F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 72	
	PLOT SCALE = 50.0000' / IN.	CHECKED - S.E.B.	REVISED -		SCALE: NONE	SHEET NO. 8 OF 11 SHEETS	STA.	TO STA.	<b>BD-51</b>		CONTRACT NO. 63873	
	PLOT DATE = 1/4/2008	DATE - 06-16-04	REVISED -		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT							





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

NOTES:

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

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

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

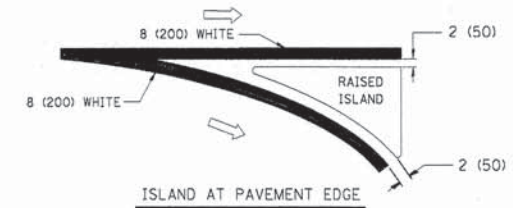
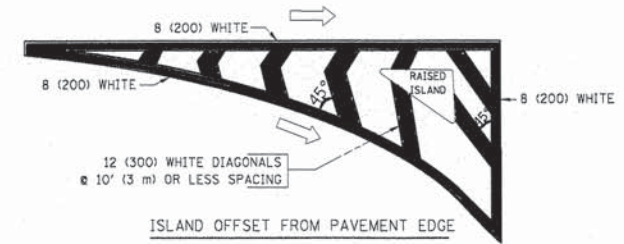
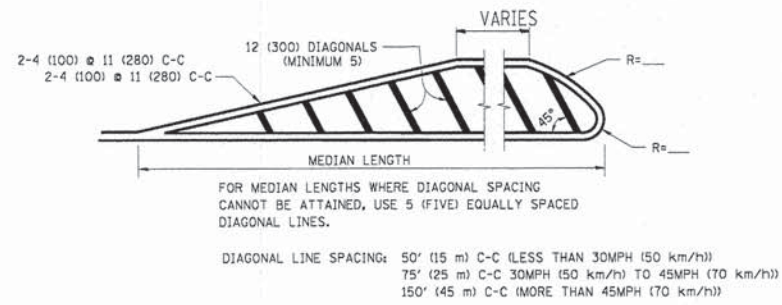
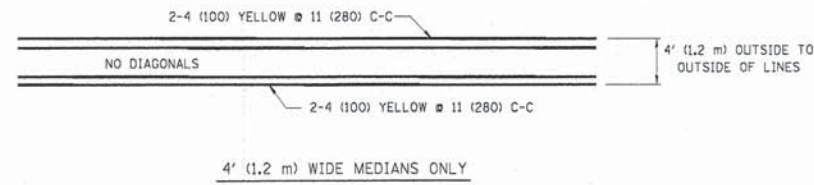
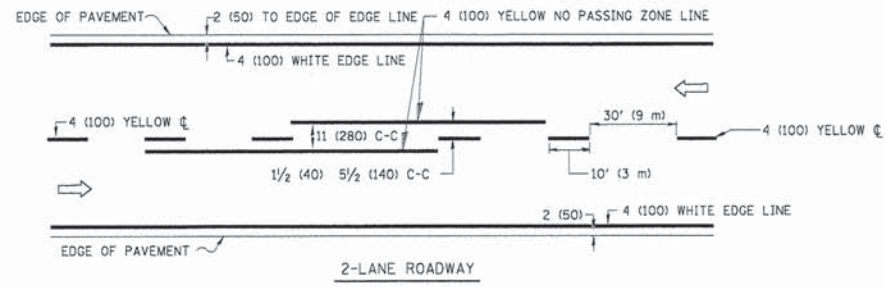
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	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 12/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

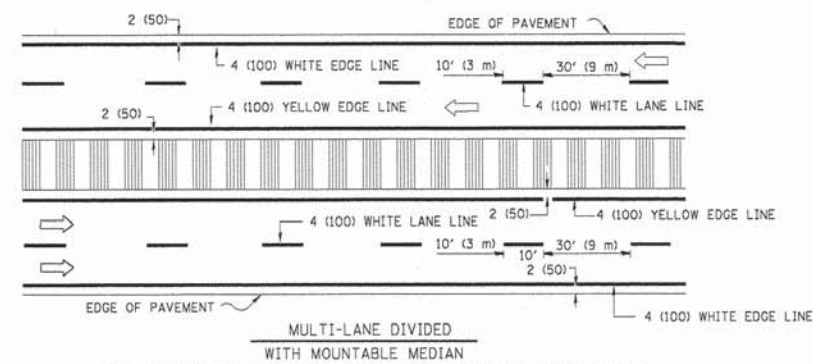
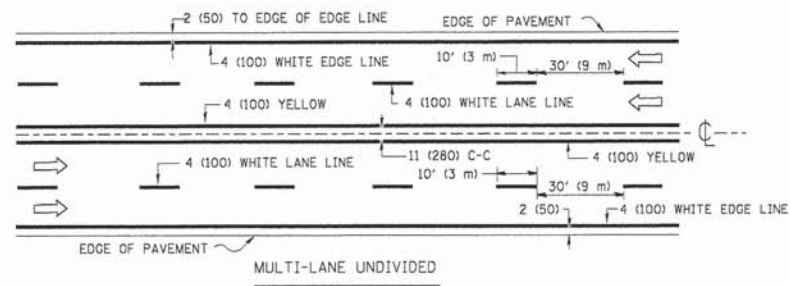
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	
SCALE: NONE	SHEET NO. 9 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	73
TC-10			CONTRACT NO. 63873	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

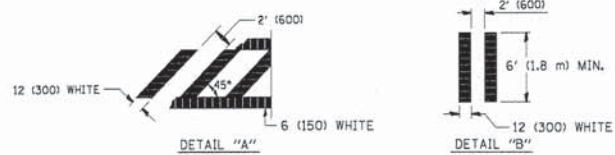
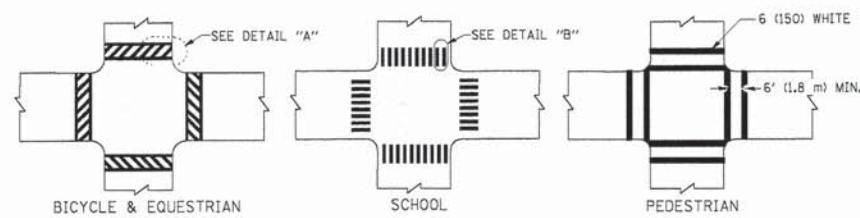


TYPICAL ISLAND MARKING

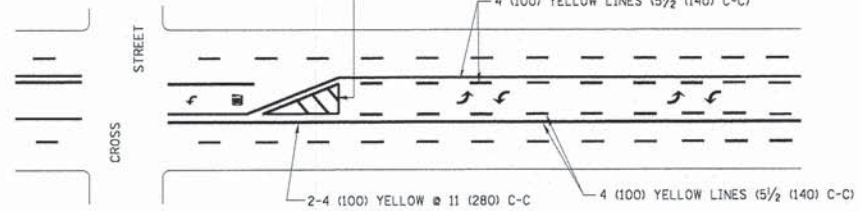


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

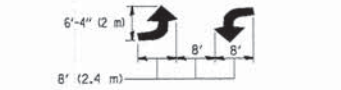
TYPICAL LANE AND EDGE LINE MARKING



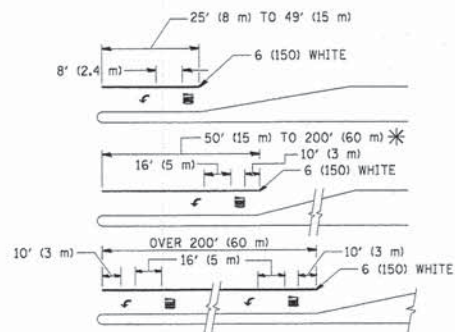
TYPICAL CROSSWALK MARKING



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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

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

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

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		DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 08/19/2004	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		1542	04-00329-00-BR	KANE	96	74
SCALE: NONE		SHEET NO. 10 OF 11 SHEETS		STA.	TO STA.	
		TC-13		CONTRACT NO. 63B73		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT						

**ROUTE MARKERS**

FOR U.S. ROUTES  
M1-40-2424

FOR ILLINOIS ROUTES  
M1-50-2424

R.R. UNMARKED ROUTES  
SPECIAL 24" x 18" VARIABLE  
4" BLACK LETTERS ON WHITE  
REFLECTIVE BACKGROUND

**ARROWS SIGNS**

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

**CARDINAL DIRECTION & DETOUR SIGNS**

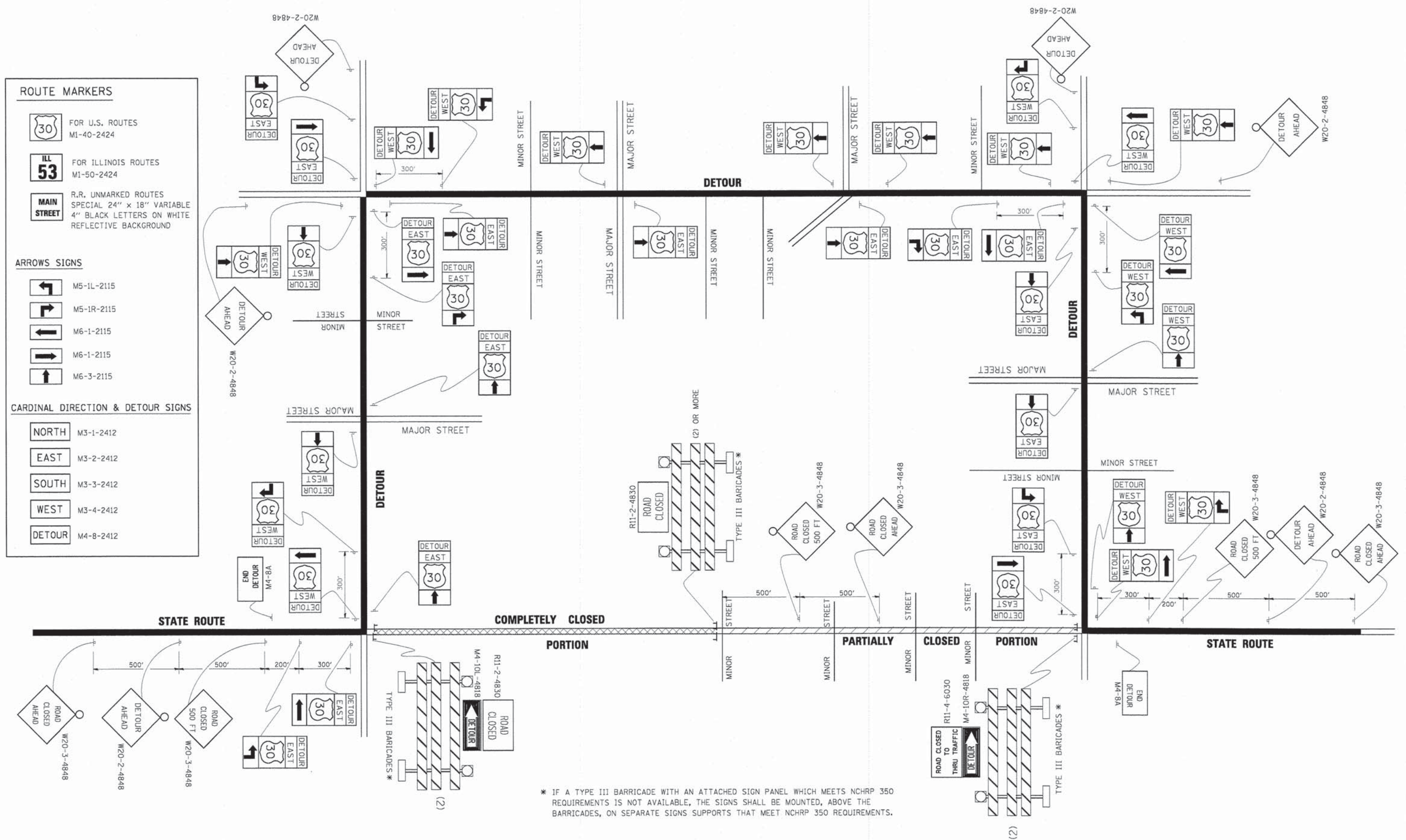
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412

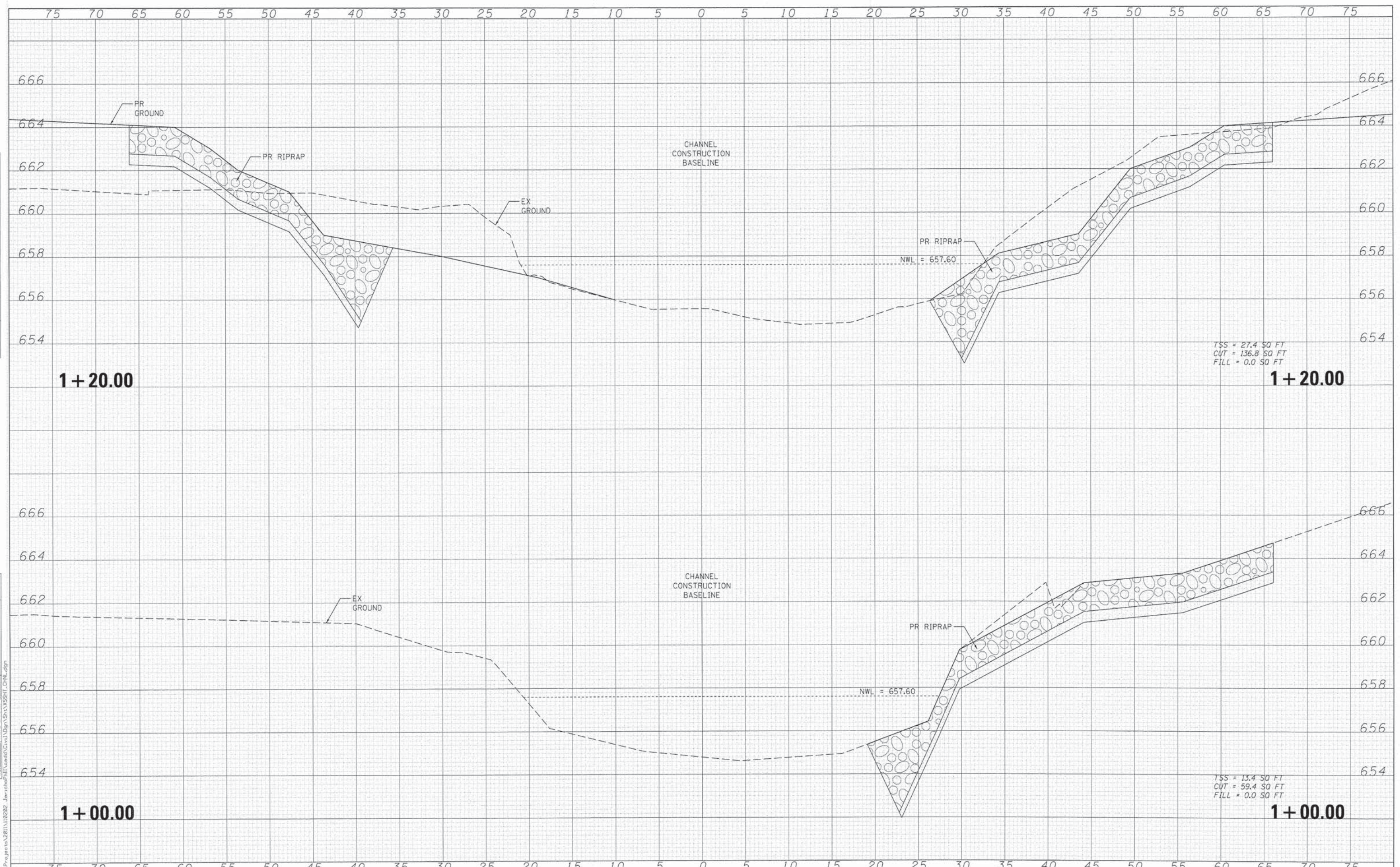


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FILE NAME = \\pwwork\pwwork\DRIVAKOS\100315\1021.dgn	USER NAME = drivakosgn	DESIGNED -	REVISED - 10-18-02	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETOUR SIGNING FOR CLOSING STATE HIGHWAYS</b>		F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 75	
	PLOT SCALE = 49,9999' / IN.	DRAWN -	REVISED - R. BORO 09-14-09		SCALE: NONE	SHEET NO. 11 OF 11 SHEETS	STA. TO STA.	<b>TC-21</b>				
	PLOT DATE = 12/18/2017	CHECKED -	REVISED -		CONTRACT NO. 63873							
		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

DATE	
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PLANNED	
AREAS CHECKED	
NO. 1. BOOK	
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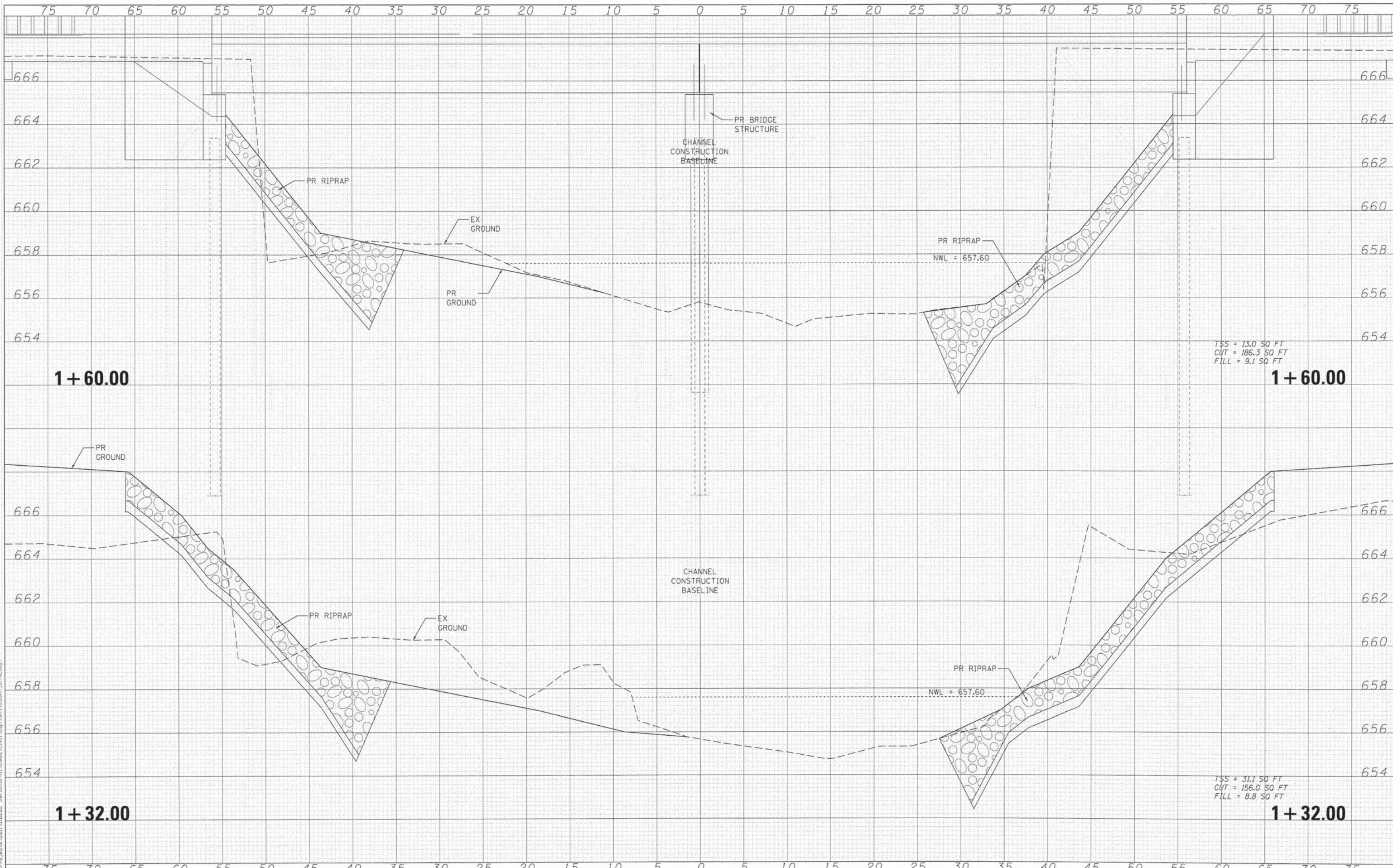
WILLS BURKE KELSEY ASSOCIATES LTD.  
116 West Main Street, Suite 201  
St. Charles, Illinois 60174

USER NAME = jharris	DESIGNED - JWW	REVISED -
	DRAWN - NDP	REVISED -
	CHECKED - KMA	REVISED -
	DATE - 12/15/2014	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
BLACKBERRY CREEK CHANNEL  
SCALE: SHEET NO. 4 OF 4 SHEETS STA. 1+00.00 TO STA. 1+20.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	76
				CONTRACT NO. 63873
[ILLINOIS] FED. AID PROJECT				



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NO. OF SHEETS	
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NO. OF NOTES	
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NO. OF REFERENCES	
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NO. OF UTILITIES	
NO. OF OBSTACLES	
NO. OF INTERFERENCES	
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NO. OF OFFICERS	
NO. OF MEMBERS	

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NO. OF JUDGES	
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NO. OF OFFICERS	
NO. OF MEMBERS	
NO. OF OFFICERS	
NO. OF MEMBERS	

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 St. Charles, Illinois 60174

USER NAME	aparriss	DESIGNED	- JWW	REVISED	-
		DRAWN	- NDP	REVISED	-
		CHECKED	- KMA	REVISED	-
		DATE	- 12/15/2014	REVISED	-

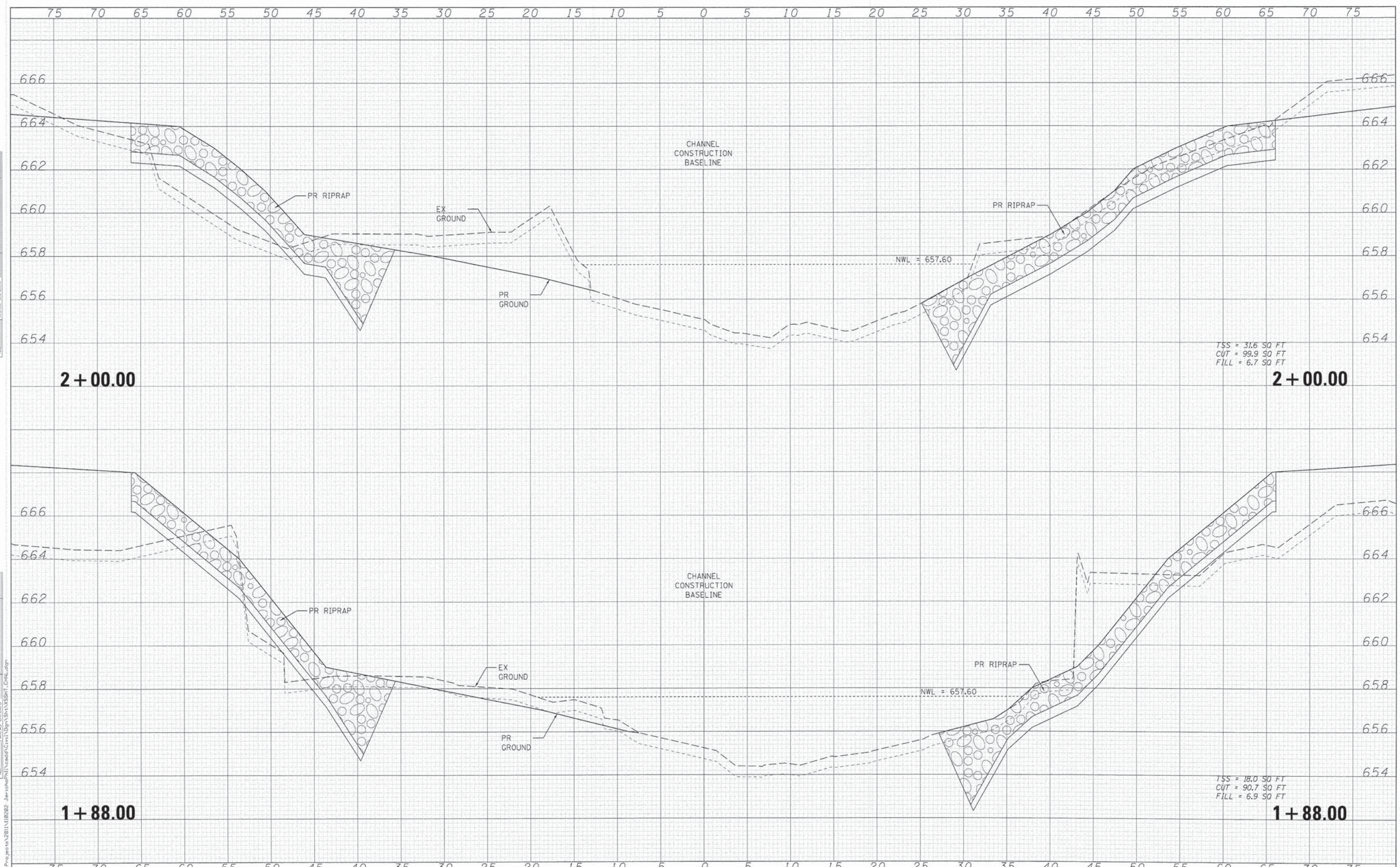
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS BLACKBERRY CREEK CHANNEL</b>			
SCALE:	SHEET NO. 2 OF 4 SHEETS	STA. 1+32.00	TO STA. 1+60.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	77
			CONTRACT NO. 63873	
ILLINOIS FED. AID PROJECT				

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St. Charles, Illinois 60174

USER NAME = hncpr15	DESIGNED - JWJ	REVISED -
	DRAWN - NDP	REVISED -
PLOT SCALE = 1/8"	CHECKED - KMA	REVISED -
PLOT DATE = 12/11/2014	DATE - 12/15/2014	REVISED -

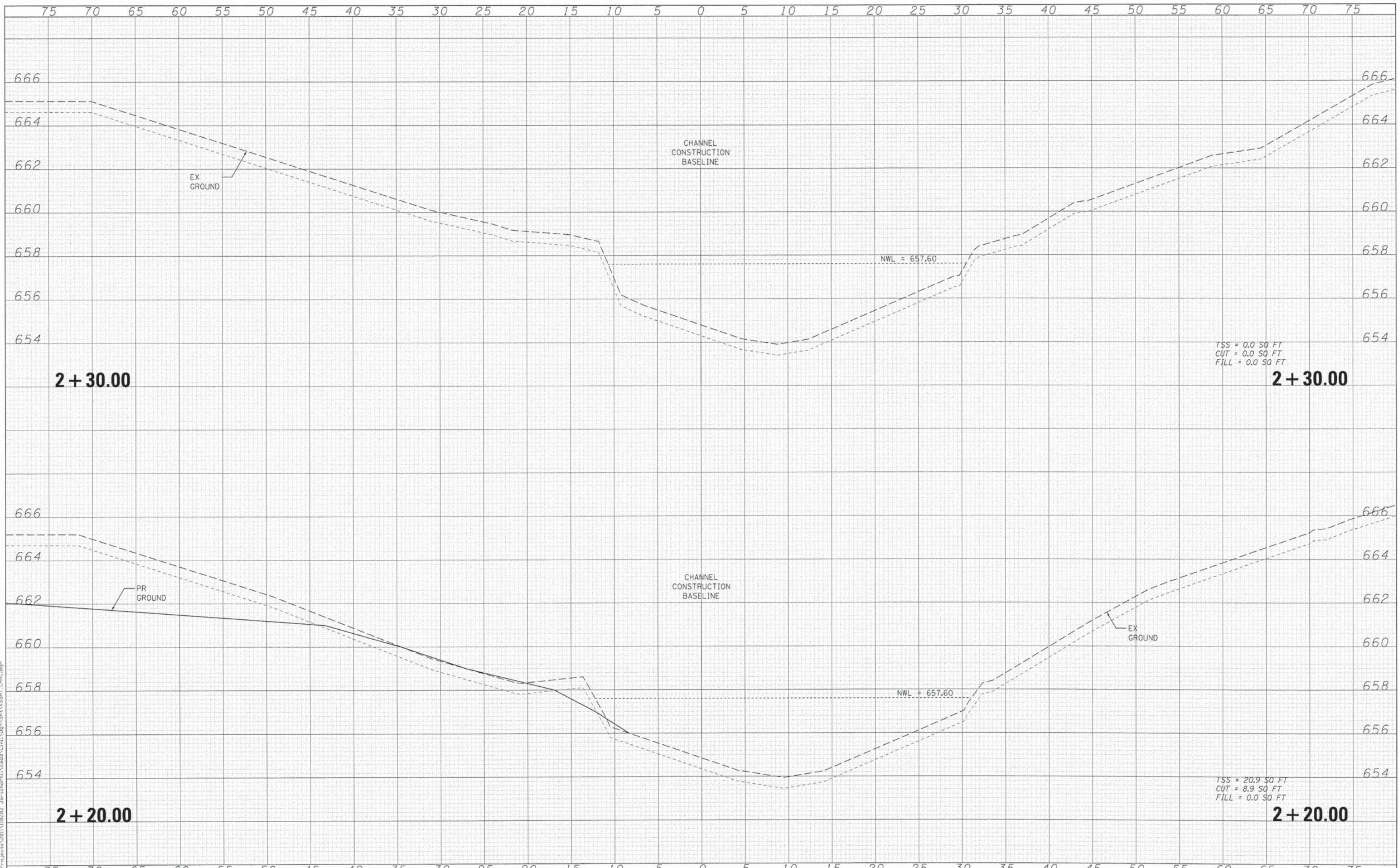
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS BLACKBERRY CREEK CHANNEL	
SCALE:	SHEET NO. 3 OF 4 SHEETS STA. 1+88.00 TO STA. 2+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	78
CONTRACT NO. 63873			ILLINOIS FED. AID PROJECT	

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 CUT = 0.0 SQ FT  
 FILL = 0.0 SQ FT

TSS = 20.9 SQ FT  
 CUT = 8.9 SQ FT  
 FILL = 0.0 SQ FT

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 St. Charles, Illinois 60174

USER NAME = n20-15	DESIGNED - JWW	REVISED -
	DRAWN - NDP	REVISED -
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PLOT DATE = 12/11/2014		

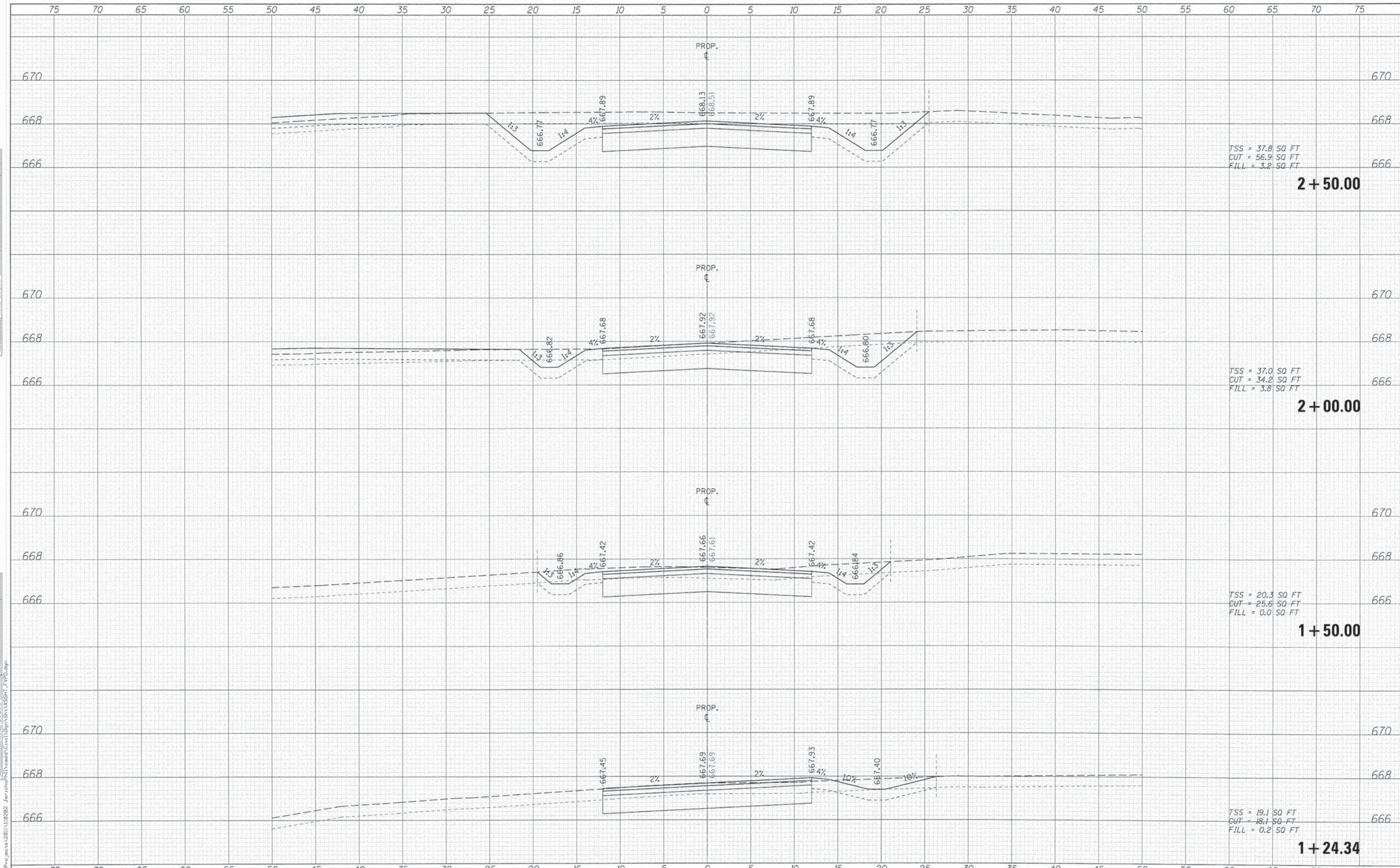
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS BLACKBERRY CREEK CHANNEL</b>	
SCALE:	SHEET NO. 4 OF 4 SHEETS STA. 2+20.00 TO STA. 2+30.00

F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 79
CONTRACT NO. 63873			ILLINOIS FED. AID PROJECT	

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USER NAME = nparris	DESIGNED - KMA	REVISED -
	DRAWN - NDP	REVISED -
PLOT SCALE = 1:5	CHECKED - SBP	REVISED -
PLOT DATE = 12/11/2014	DATE - 12/15/2014	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

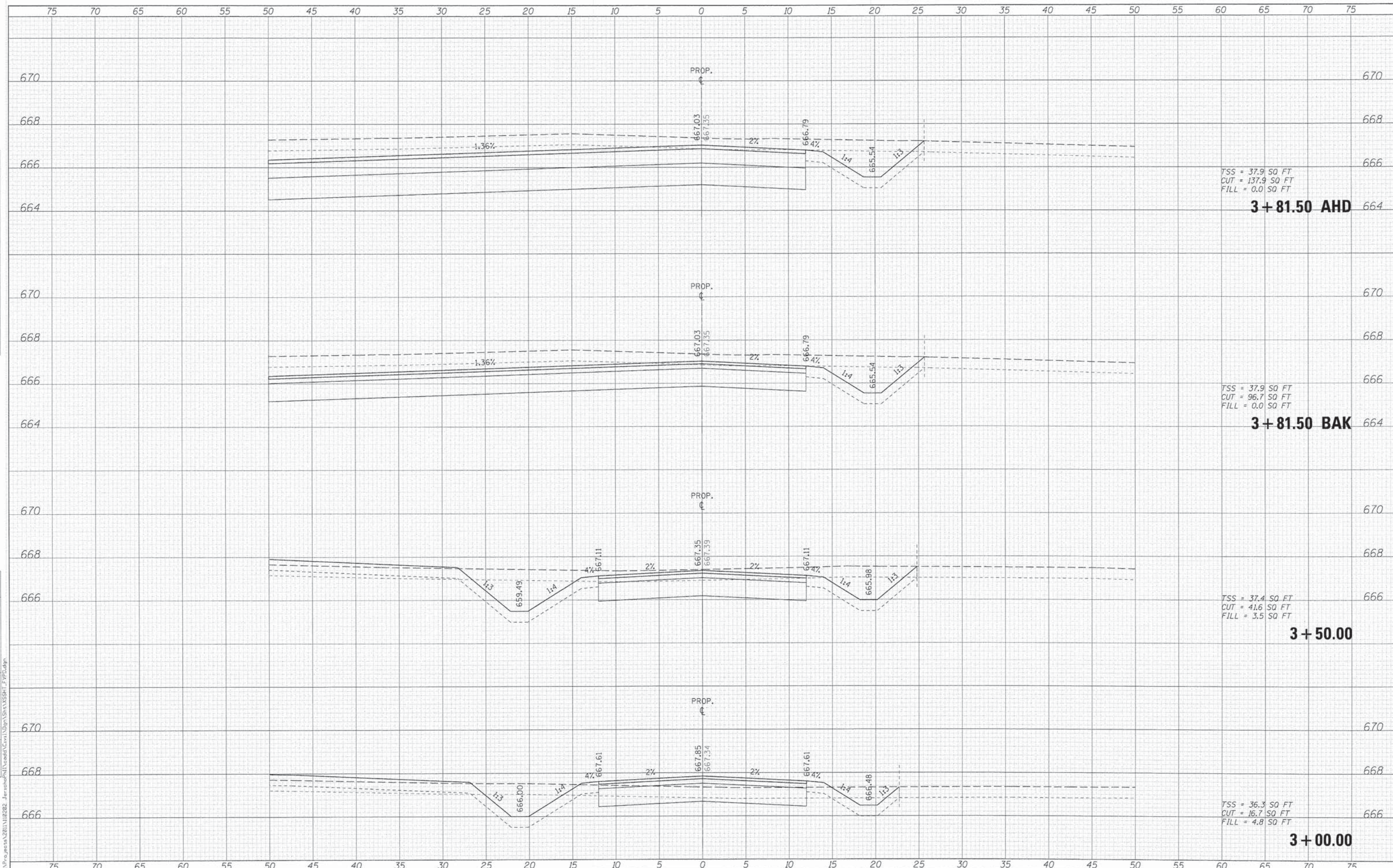
CROSS SECTIONS  
 JERICHO LAKE PARK ENTRANCE  
 SCALE: SHEET NO. 1 OF 3 SHEETS STA. 1+24.34 TO STA. 2+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	80
			CONTRACT NO. 63873	
ILLINOIS FED. AID PROJECT				



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

USER NAME = npar118	DESIGNED - KMA	REVISED -
PLOT SCALE = 1/8"	DRAWN - NDP	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

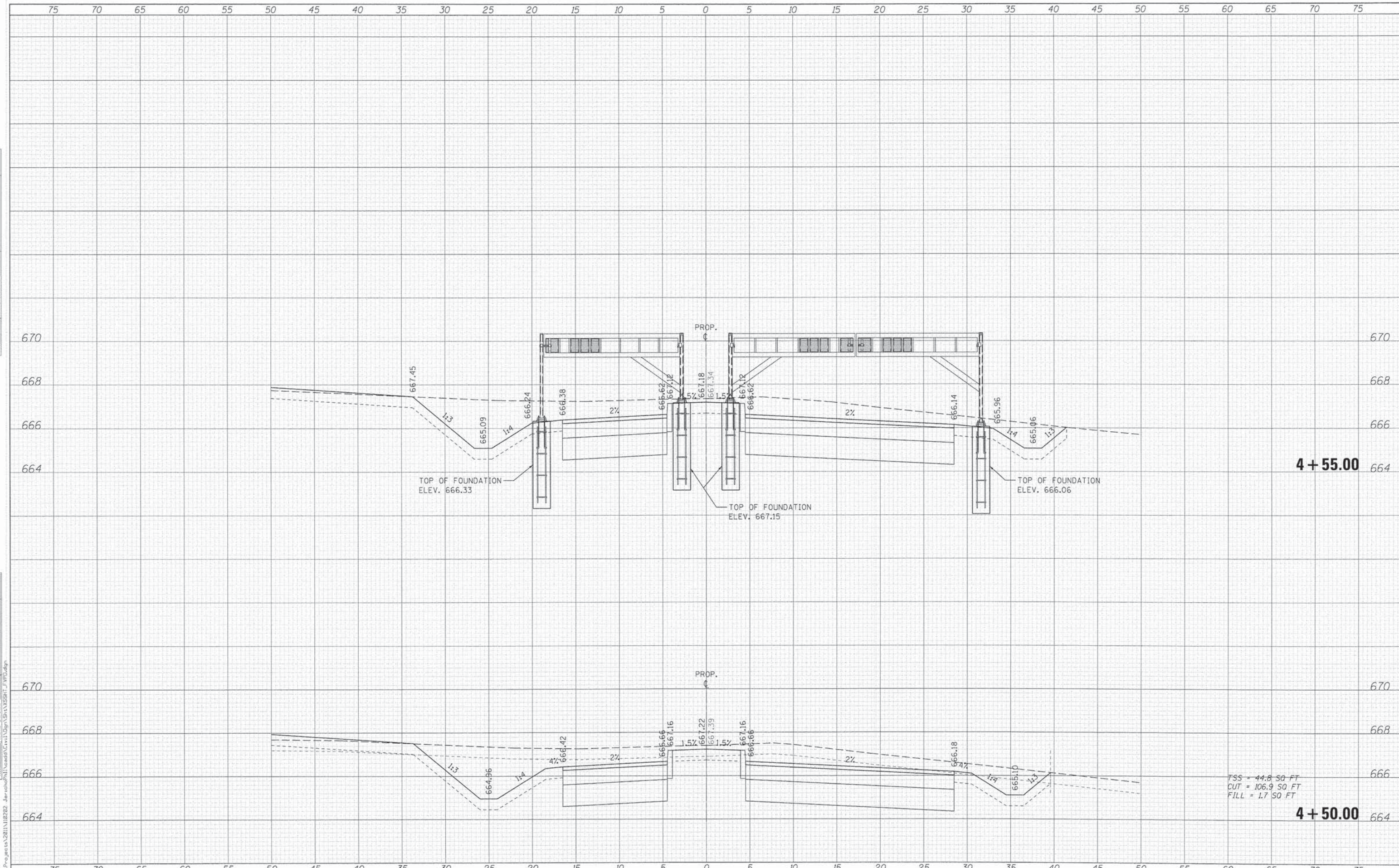
CROSS SECTIONS	
JERICHO LAKE PARK ENTRANCE	
SCALE:	SHEET NO. 2 OF 3 SHEETS STA. 3+00.00 TO STA. 3+81.54

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	81
				CONTRACT NO. 63873
[ILLINOIS] FED. AID PROJECT				

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ORIGINAL SURVEY	DATE
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 St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE = 1/8"	DRAWN - NDP	REVISED -
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

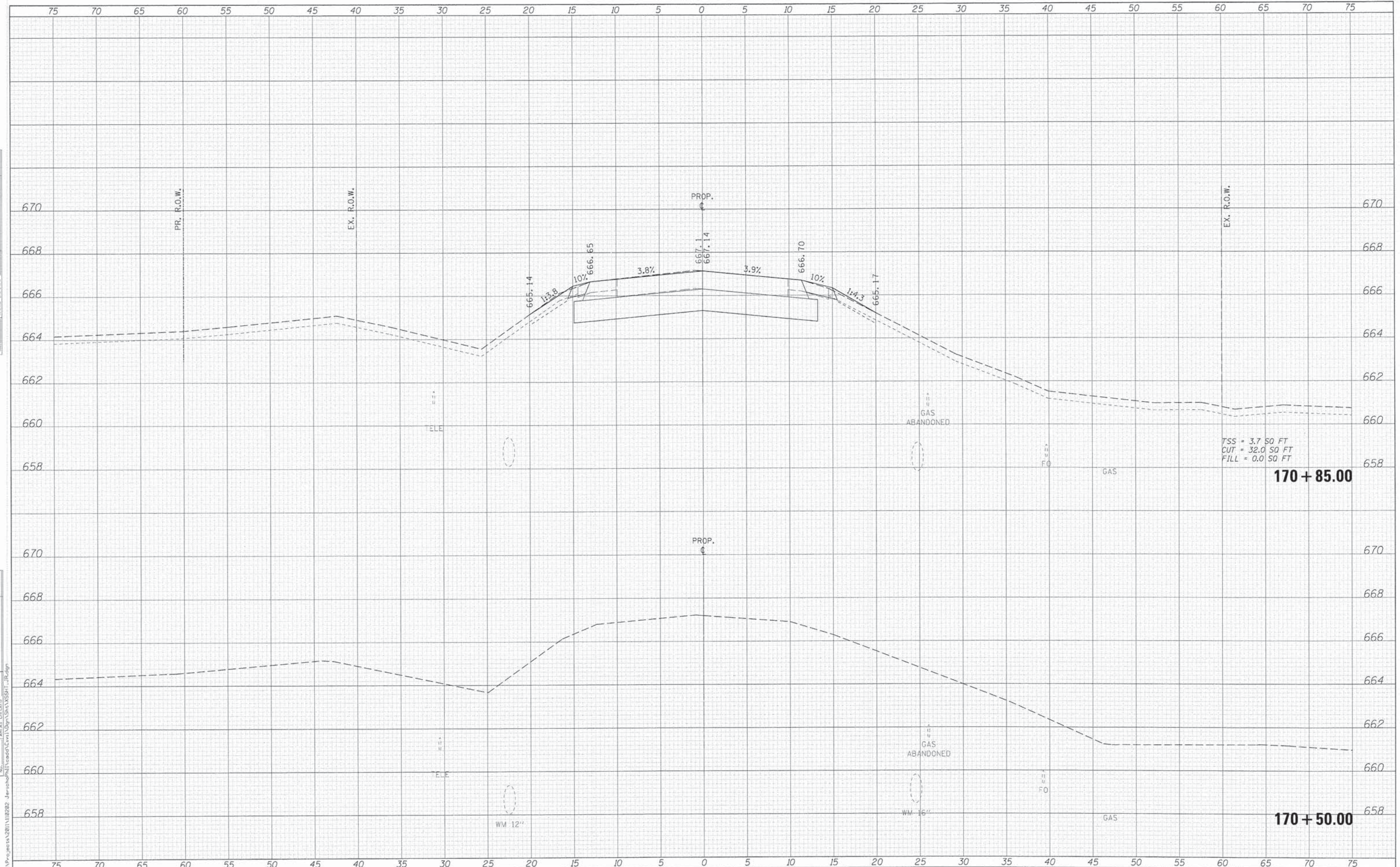
CROSS SECTIONS  
 JERICHO LAKE PARK ENTRANCE

SCALE: SHEET NO. 3 OF 3 SHEETS STA. 4+50.00 TO STA. 4+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	82
			CONTRACT NO. 63873	
ILLINOIS FED. AID PROJECT				

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NOTE BOOK  
AREAS CHECKED



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USER NAME = nbaris	DESIGNED - KMA	REVISED -
PLOT SCALE = 1:5	DRAWN - KMA	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 JERICHO ROAD

SCALE: SHEET NO. 1 OF 14 SHEETS STA. 170+50.00 TO STA. 170+85.00

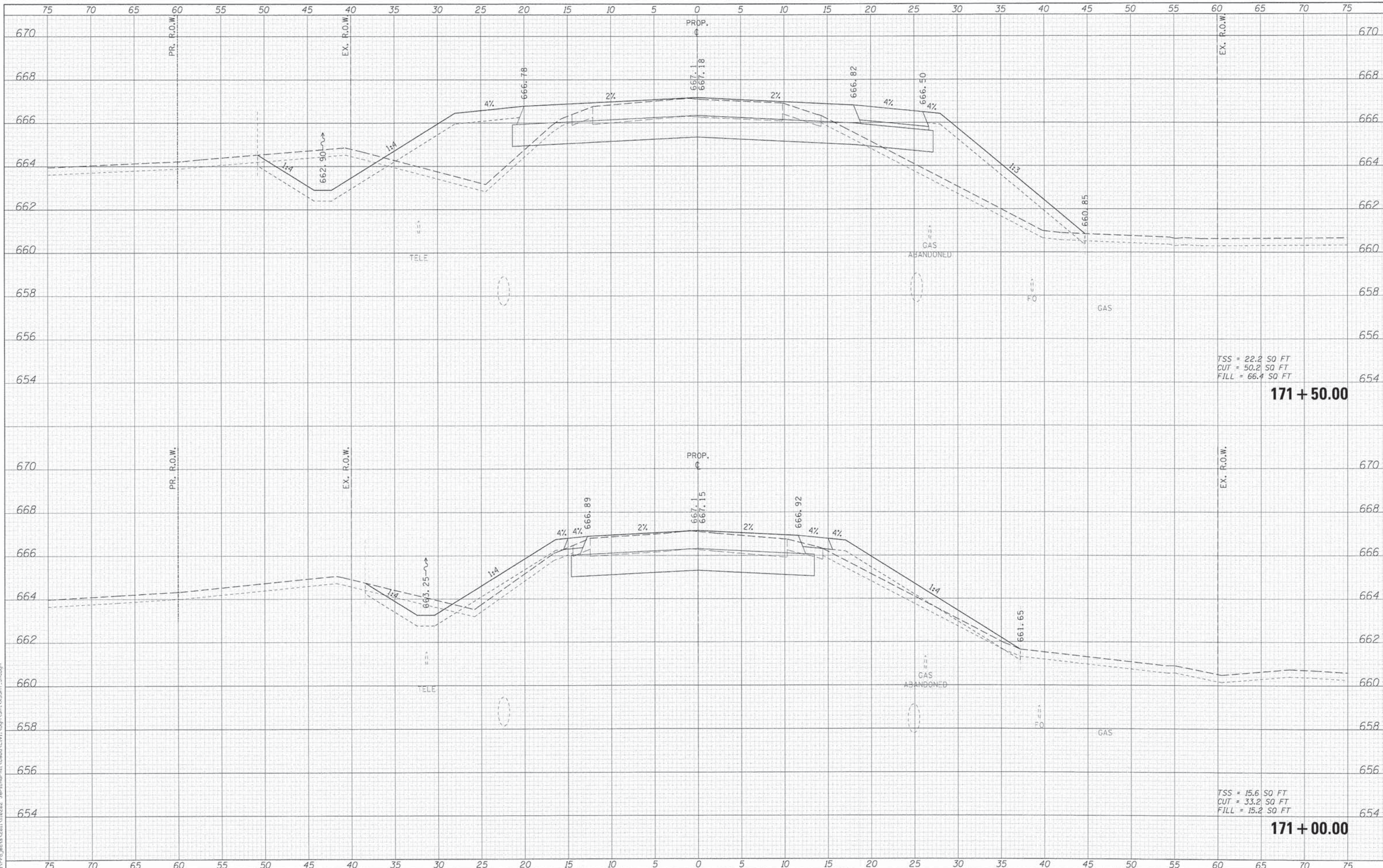
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CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

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NOTE BOOK	
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ORIGINAL SURVEY	
NOTE BOOK	
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FILE NAME = \\P:\james\221118222 - Jericho\171+00\171+50\171+50.SHT - jrb.dgn



TSS = 22.2 SQ FT  
 CUT = 50.2 SQ FT  
 FILL = 66.4 SQ FT

171+50.00

TSS = 15.6 SQ FT  
 CUT = 33.2 SQ FT  
 FILL = 15.2 SQ FT

171+00.00



USER NAME = jrb	DESIGNED - KMA	REVISED -
	DRAWN - KMA	REVISED -
PLOT SCALE = 1:5	CHECKED - SBP	REVISED -
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

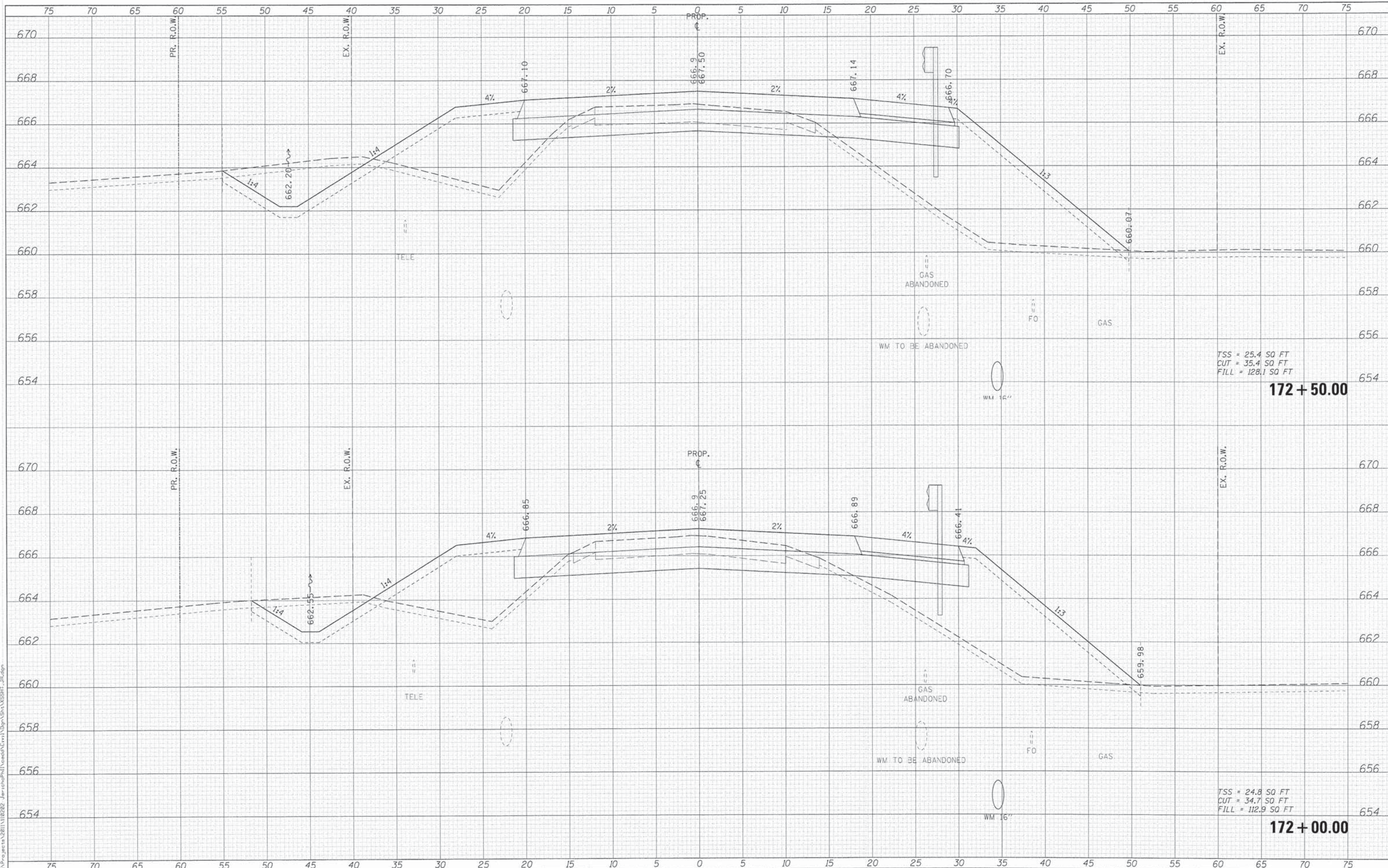
CROSS SECTIONS  
 JERICHO ROAD

SCALE: SHEET NO. 2 OF 14 SHEETS STA. 171+00.00 TO STA. 171+50.00

F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 84
			CONTRACT NO. 63873	
ILLINOIS FED. AID PROJECT				

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TSS = 25.4 SQ FT  
 CUT = 35.4 SQ FT  
 FILL = 128.1 SQ FT  
**172 + 50.00**

TSS = 24.8 SQ FT  
 CUT = 34.7 SQ FT  
 FILL = 112.9 SQ FT  
**172 + 00.00**

**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	96	85
				CONTRACT NO. 63873
ILLINOIS FED. AID PROJECT				

USER NAME = nbar111	DESIGNED - KMA	REVISED -
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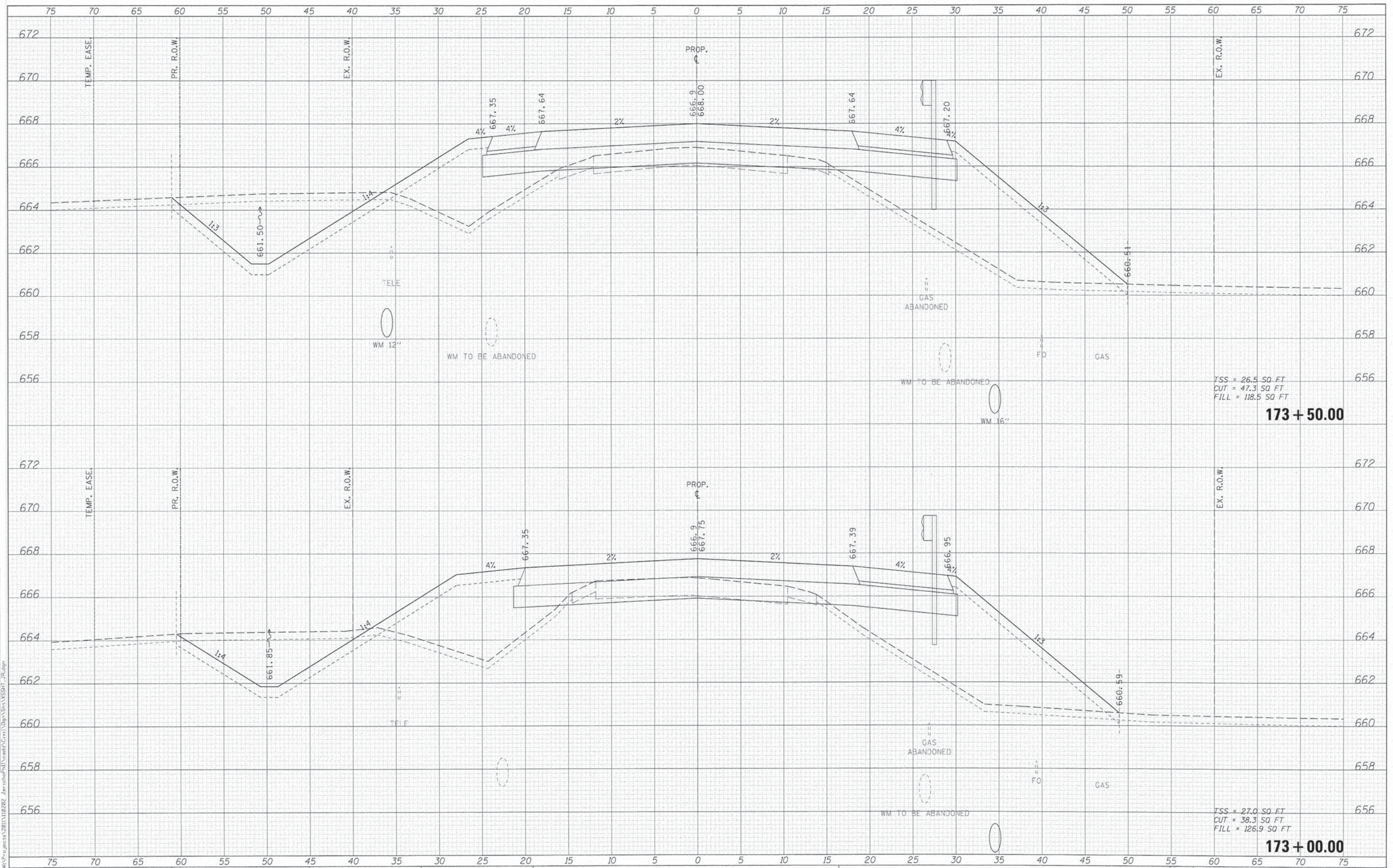
SCALE: SHEET NO. 3 OF 14 SHEETS STA. 172+00.00 TO STA. 172+50.00



FILE NAME = M:\Projects\2011\1102202 - Jericho\01\Drawings\SSHT\_172.dgn

DATE	
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DESIGNED	
DRAWN	
CHECKED	
DATE	
USER NAME	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
USER NAME	



TSS = 26.5 SQ. FT  
 CUT = 47.3 SQ. FT  
 FILL = 118.5 SQ. FT  
**173 + 50.00**

TSS = 27.0 SQ. FT  
 CUT = 38.3 SQ. FT  
 FILL = 126.9 SQ. FT  
**173 + 00.00**

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 St. Charles, Illinois 60174

USER NAME	nparris	DESIGNED	KMA	REVISED	-
		DRAWN	KMA	REVISED	-
		CHECKED	SBP	REVISED	-
		DATE	12/15/2014	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

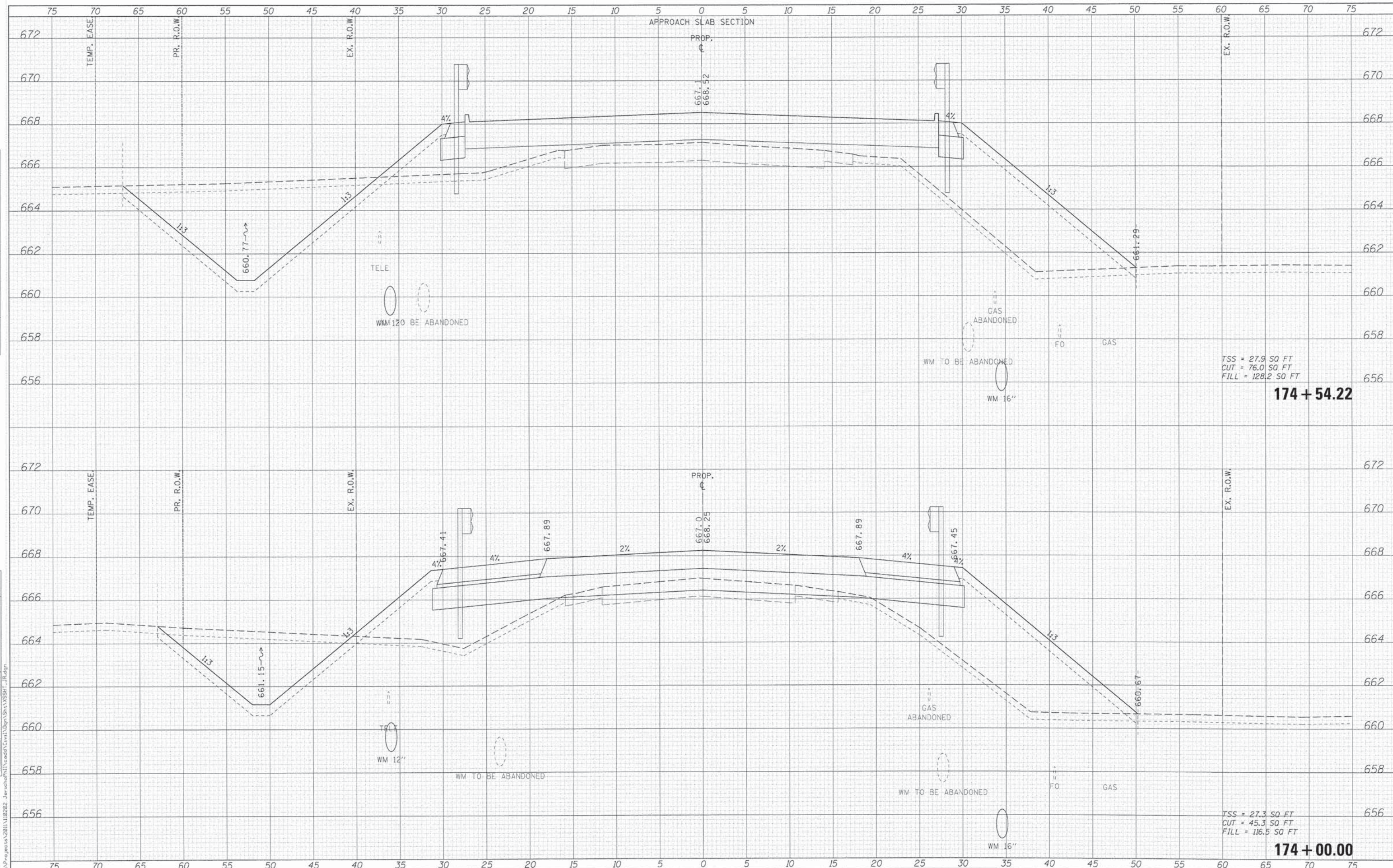
**CROSS SECTIONS  
 JERICHO ROAD**

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	86
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 4 OF 14 SHEETS STA. 173+00.00 TO STA. 173+50.00

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TEMPERATURE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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TSS = 27.9 SQ FT  
 CUT = 76.0 SQ FT  
 FILL = 128.2 SQ FT

**174 + 54.22**

TSS = 27.3 SQ FT  
 CUT = 45.3 SQ FT  
 FILL = 116.5 SQ FT

**174 + 00.00**

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 St. Charles, Illinois 60174

USER NAME = rparis	DESIGNED - KMA	REVISED -
PLOT SCALE = 1/8"	DRAWN - KMA	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

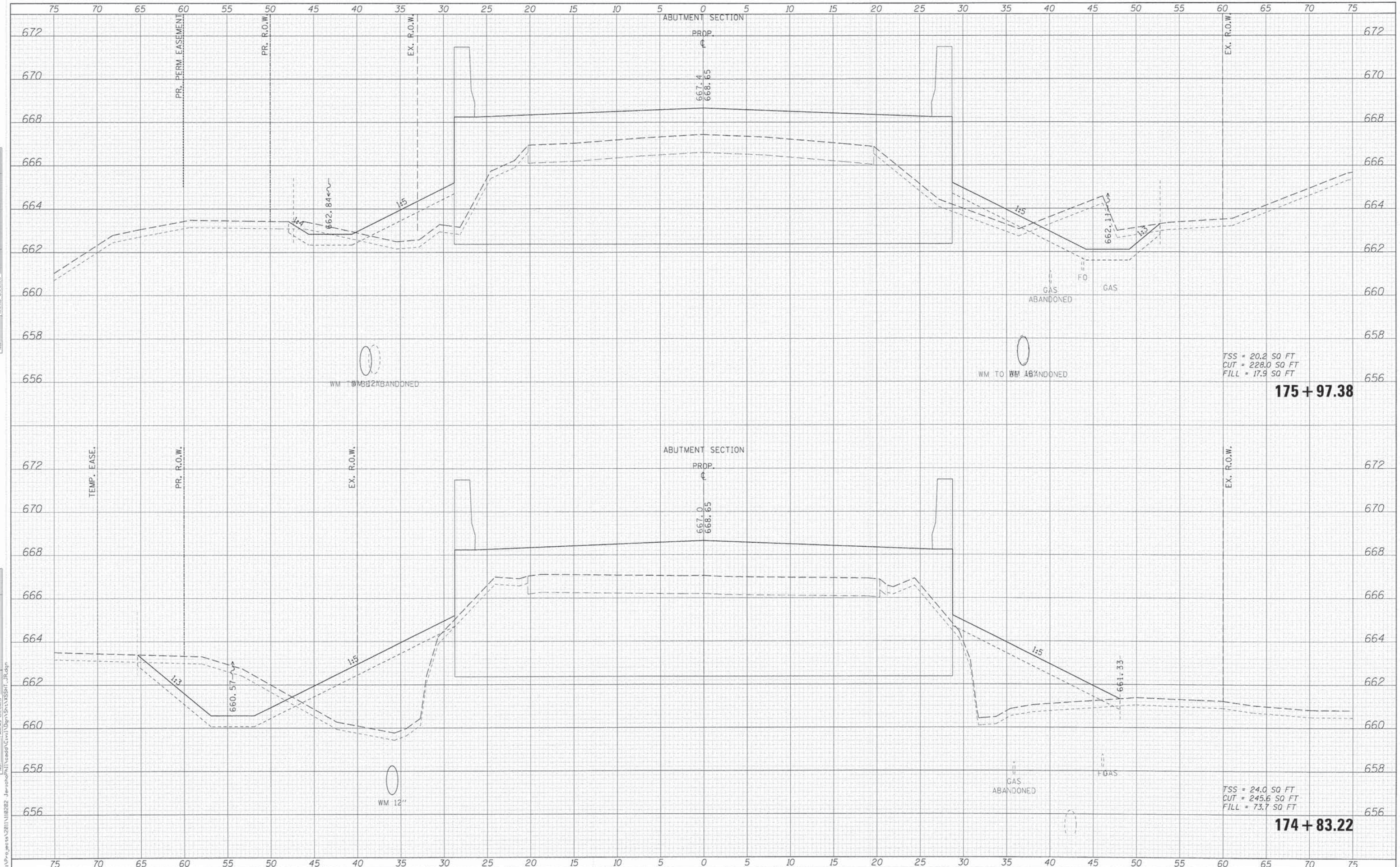
**CROSS SECTIONS  
 JERICHO ROAD**

SCALE: SHEET NO. 5 OF 14 SHEETS STA. 174+00.00 TO STA. 174+54.22

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
1542	04-00329-00-BR	KANE	96 87
			CONTRACT NO. 63873
ILLINOIS FED. AID PROJECT			

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SURVEYED	
PLOTTED	
FINAL	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
ORIGINAL	
NOTE BOOK	
AREAS CHECKED	
NO.	



TSS = 20.2 SQ FT  
 CUT = 228.0 SQ FT  
 FILL = 17.9 SQ FT

**175 + 97.38**

TSS = 24.0 SQ FT  
 CUT = 245.6 SQ FT  
 FILL = 73.7 SQ FT

**174 + 83.22**

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

USER NAME = nparis	DESIGNED = KMA	REVISED =
PLOT SCALE = 1:5	DRAWN = KMA	REVISED =
PLOT DATE = 12/11/2014	CHECKED = SBP	REVISED =
	DATE = 12/15/2014	REVISED =

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

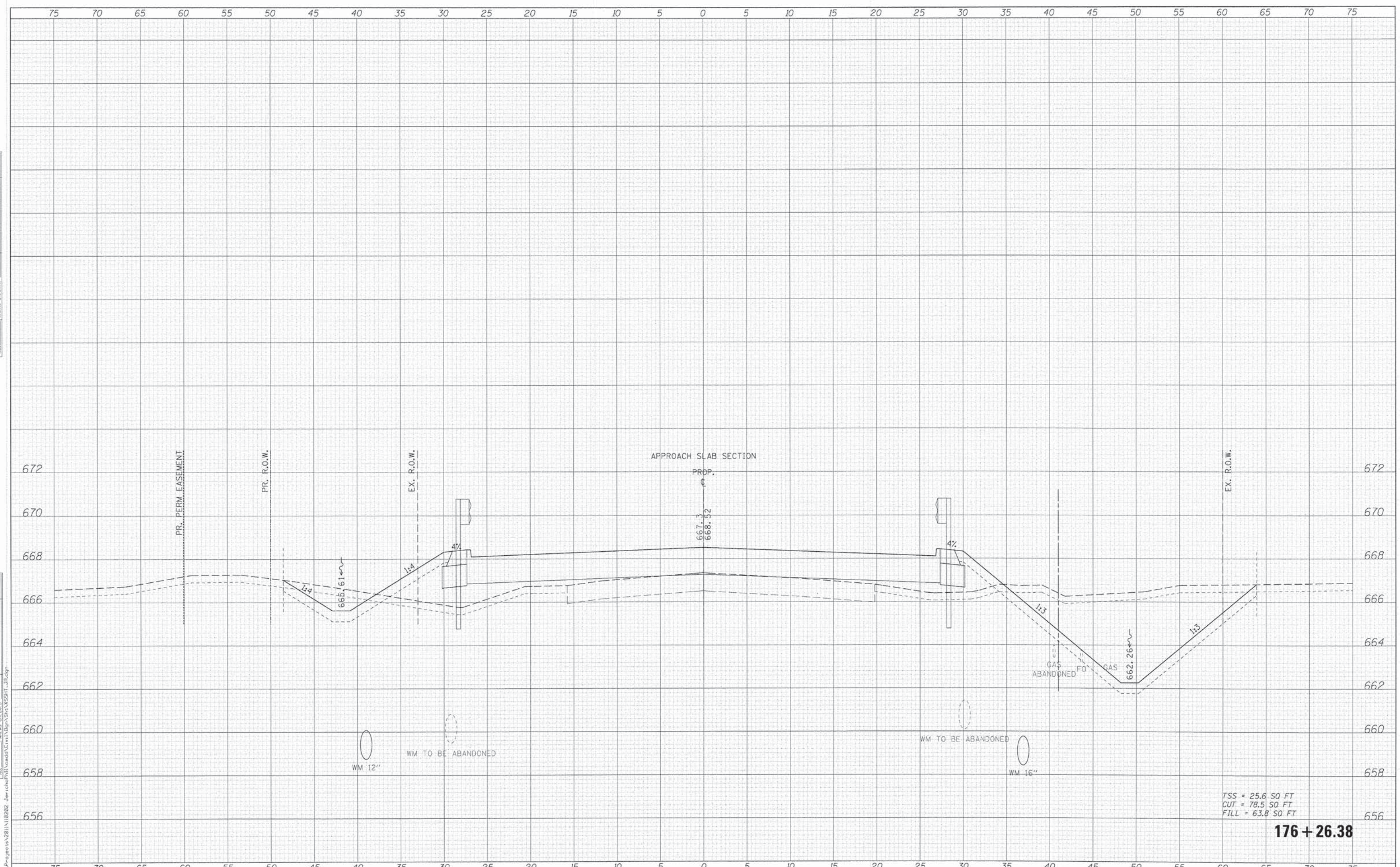
<b>CROSS SECTIONS JERICHO ROAD</b>			
SCALE:	SHEET NO. 6 OF 14 SHEETS	STA. 174+83.22 TO STA. 175+97.38	

F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 88
CONTRACT NO. 63873				ILLINOIS FED. AID PROJECT



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

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



TSS = 25.6 SQ FT  
 CUT = 78.5 SQ FT  
 FILL = 63.8 SQ FT

**176 + 26.38**



USER NAME = r100r-19	DESIGNED - KMA	REVISED -
PLOT SCALE = 1/8"	DRAWN - KMA	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET NO. 7 OF 14 SHEETS	STA. 176+26.38 TO STA. 176+26.38
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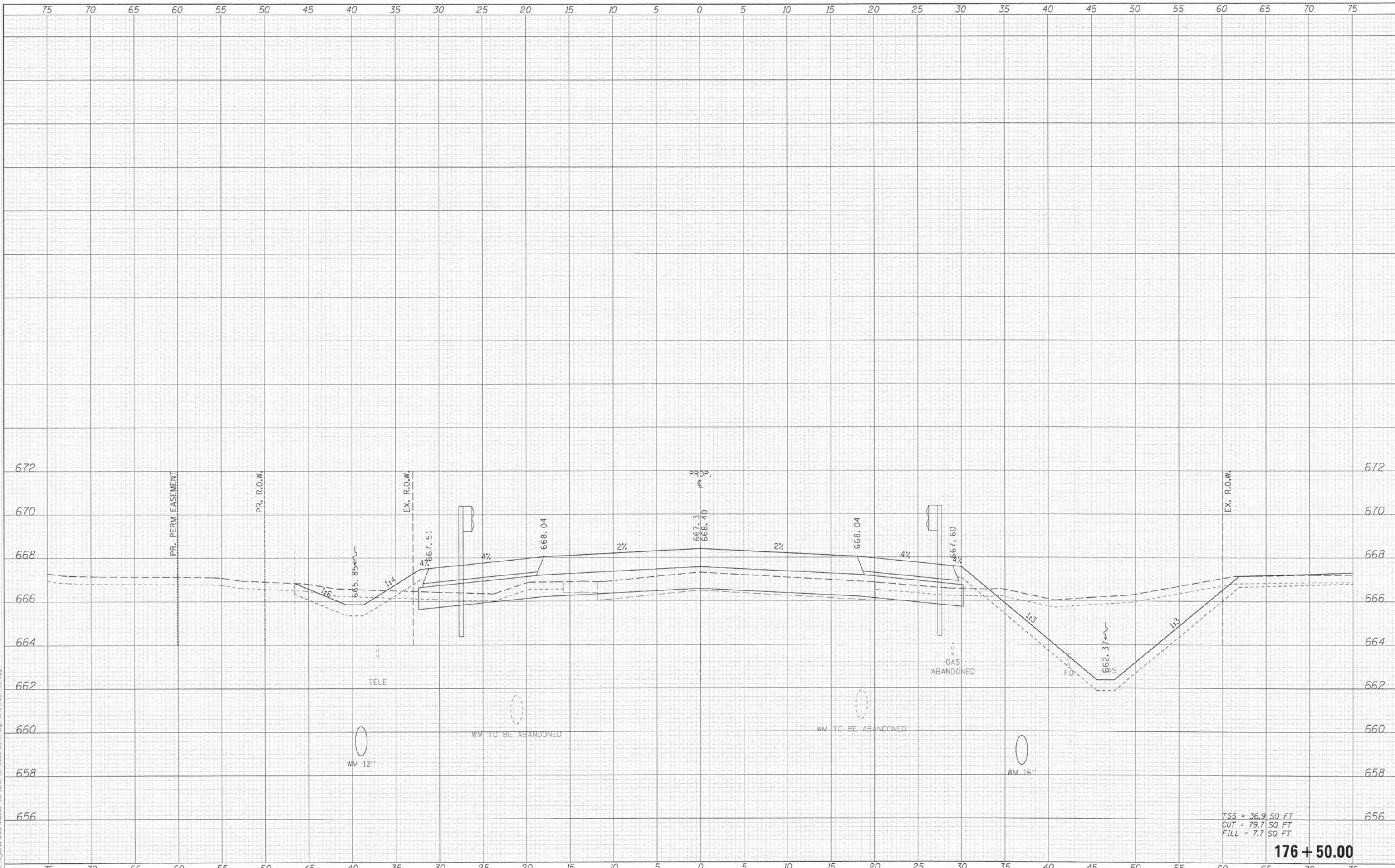
**CROSS SECTIONS  
 JERICHO ROAD**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	89
			CONTRACT NO. 63873	
ILLINOIS FED. AID PROJECT				

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

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

FILE NAME: I:\Projects\2011\110202 - Jericho\Drawings\176+50.00\176+50.00.dwg



TSS = 36.9 SQ FT  
 CUT = 79.7 SQ FT  
 FILL = 7.7 SQ FT

**176 + 50.00**

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

USER NAME = rdorris	DESIGNED - KMA	REVISED -
	DRAWN - KMA	REVISED -
PLOT SCALE = 1/5	CHECKED - SBP	REVISED -
PLOT DATE = 12/11/2014	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

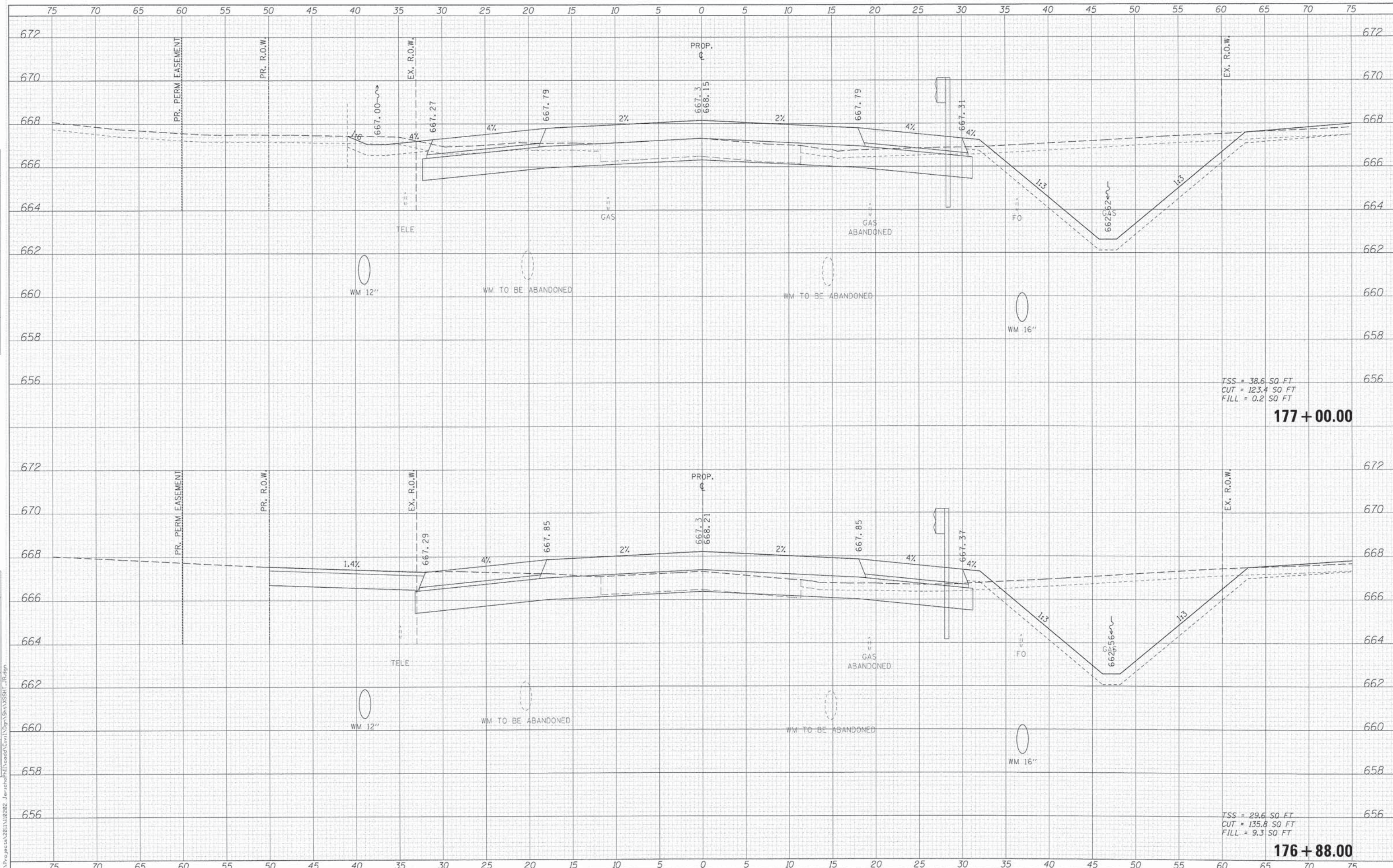
**CROSS SECTIONS  
 JERICHO ROAD**

SCALE: SHEET NO. 8 OF 14 SHEETS STA. 176+50.00 TO STA. 176+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	90
			CONTRACT NO. 63873	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLANNED	
AREAS	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLANNED	
AREAS	
AREAS	
CHECKED	
NO.	



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

USER NAME = mharris	DESIGNED - KMA	REVISED -
PLLOT SCALE = 1/8"	DRAWN - KMA	REVISED -
PLLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

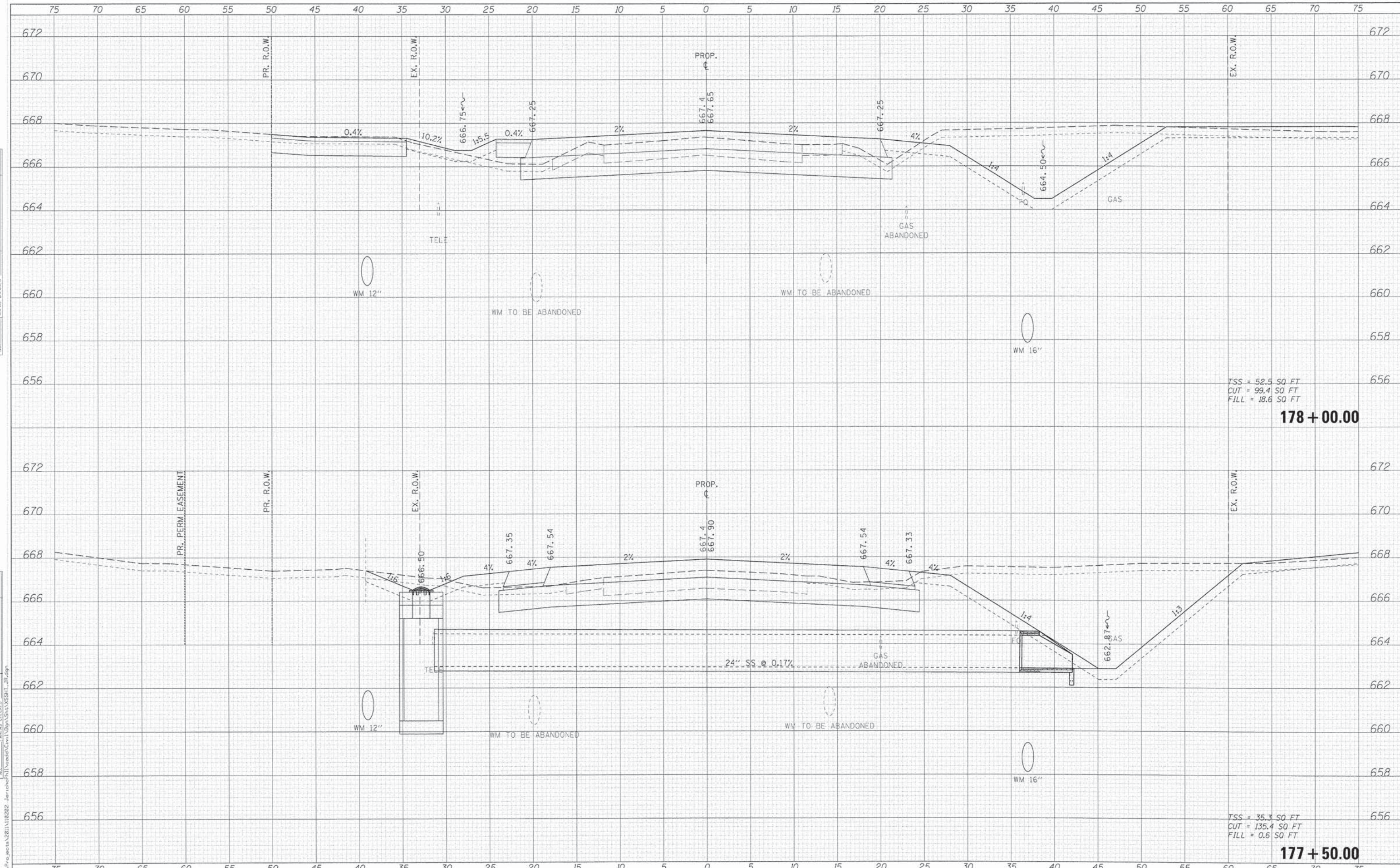
CROSS SECTIONS  
 JERICHO ROAD

SCALE: SHEET NO. 9 OF 14 SHEETS STA. 176+88.00 TO STA. 177+00.00

F.A.U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	91
			CONTRACT NO. 63873	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
PLotted	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLotted	
NOTE BOOK	
AREAS CHECKED	
NO.	



TSS = 52.5 SQ FT  
 CUT = 99.4 SQ FT  
 FILL = 18.6 SQ FT

**178 + 00.00**

TSS = 35.3 SQ FT  
 CUT = 135.4 SQ FT  
 FILL = 0.6 SQ FT

**177 + 50.00**



USER NAME = rpbarr	DESIGNED - KMA	REVISED -
PLOT SCALE = 1/8"	DRAWN - KMA	REVISED -
PLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE = 12/15/2014	REVISED -

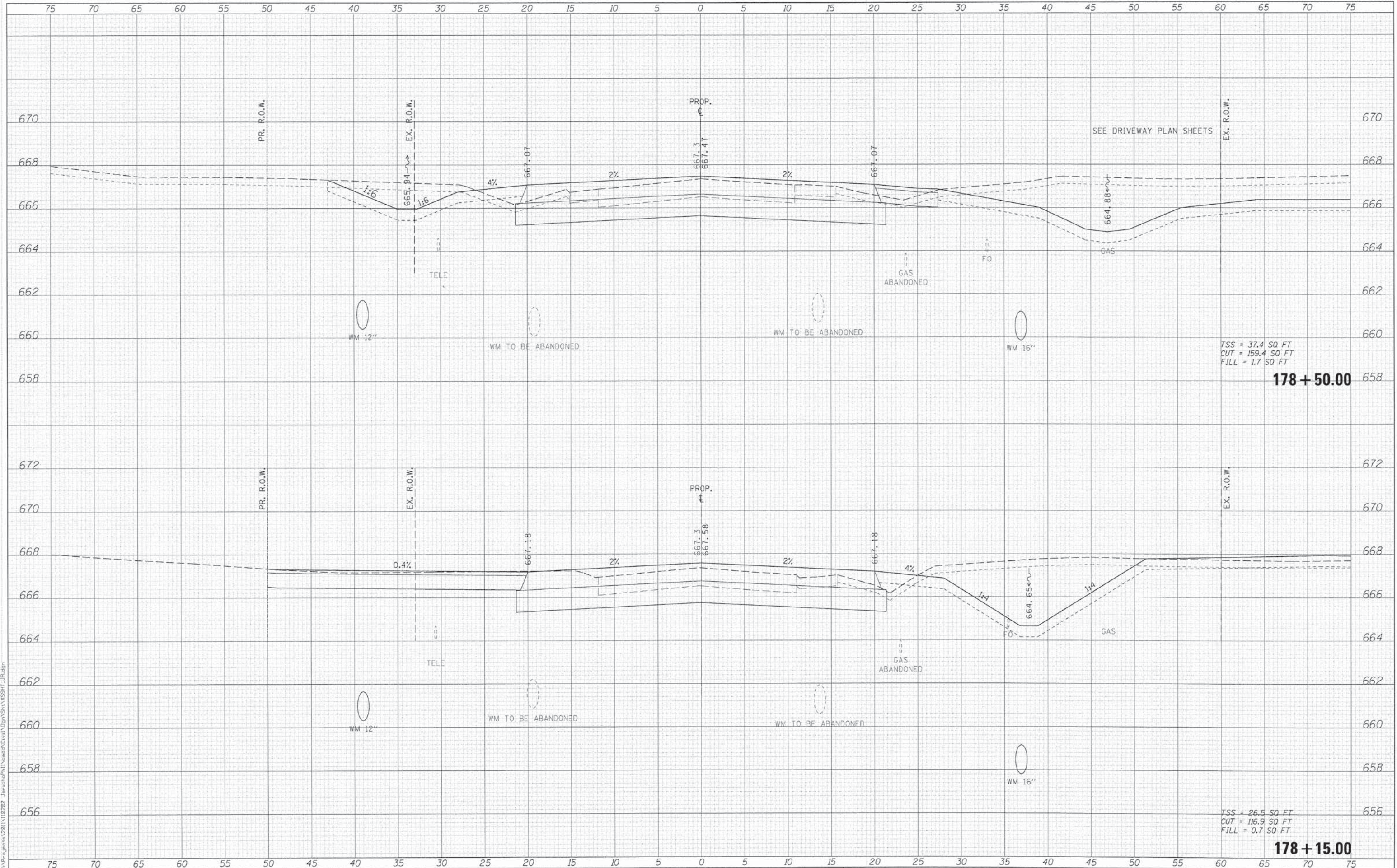
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS    JERICHO ROAD</b>	
SCALE:	SHEET NO. 10 OF 14 SHEETS STA. 177+50.00 TO STA. 178+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	92
CONTRACT NO. 63873				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



TSS = 37.4 SQ FT  
 CUT = 159.4 SQ FT  
 FILL = 1.7 SQ FT  
**178 + 50.00**

TSS = 26.5 SQ FT  
 CUT = 116.9 SQ FT  
 FILL = 0.7 SQ FT  
**178 + 15.00**

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

USER NAME = n200r-13	DESIGNED - KMA	REVISED -
PLLOT SCALE = 1:5	DRAWN - KMA	REVISED -
PLLOT DATE = 12/11/2014	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

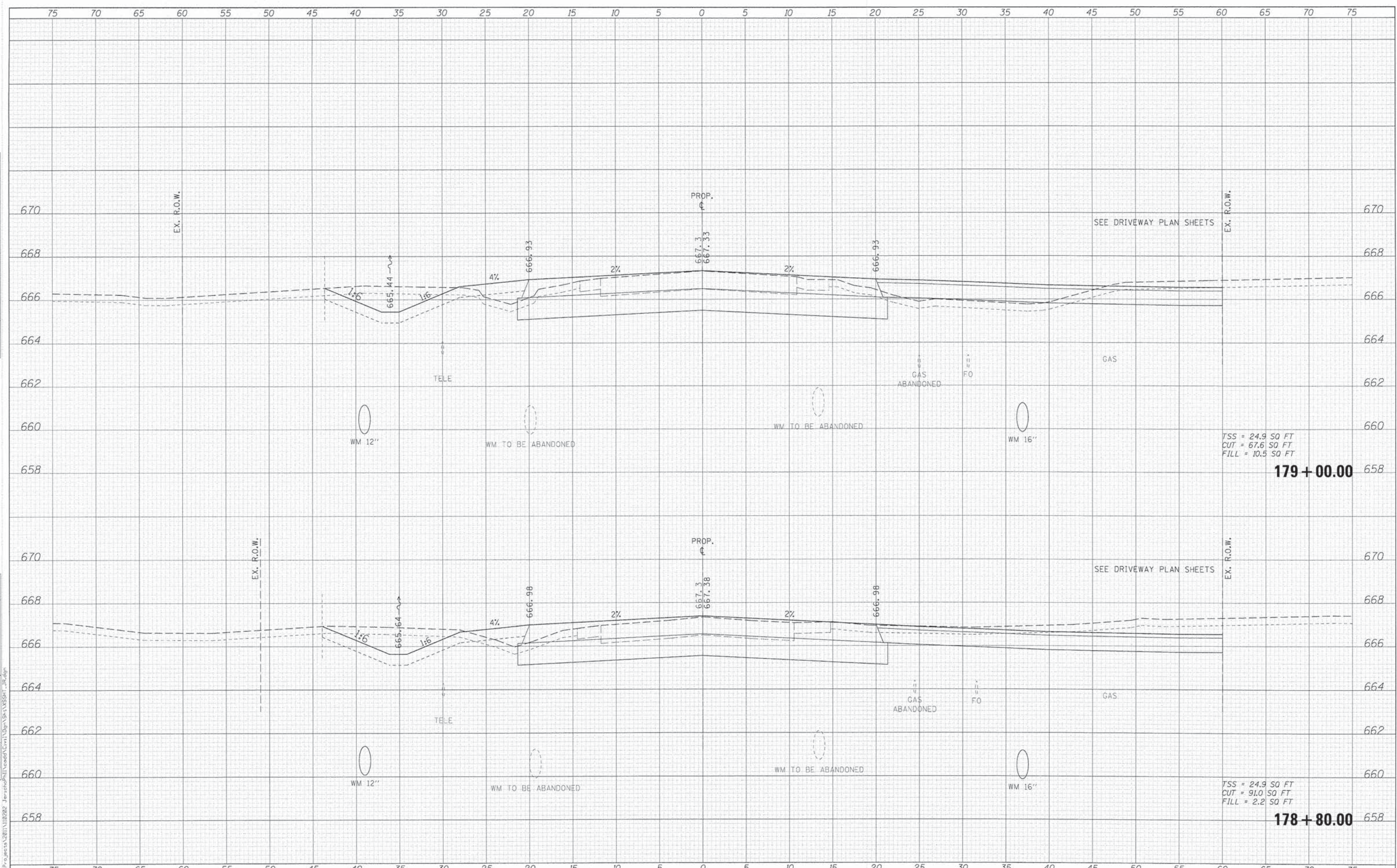
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS JERICHO ROAD</b>	
SCALE:	SHEET NO. 11 OF 14 SHEETS STA. 178+15.00 TO STA. 178+50.00

F.A.U. R.T.E. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 93
CONTRACT NO. 63873			ILLINOIS FED. AID PROJECT	

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

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



TSS = 24.9 SO FT  
 CUT = 67.6 SO FT  
 FILL = 10.5 SO FT

TSS = 24.9 SO FT  
 CUT = 91.0 SO FT  
 FILL = 2.2 SO FT



USER NAME = r00r1s	DESIGNED - KMA	REVISED -
	DRAWN - KMA	REVISED -
PLOT SCALE = 1:5	CHECKED - SBP	REVISED -
PLOT DATE = 12/11/2014	DATE - 12/15/2014	REVISED -

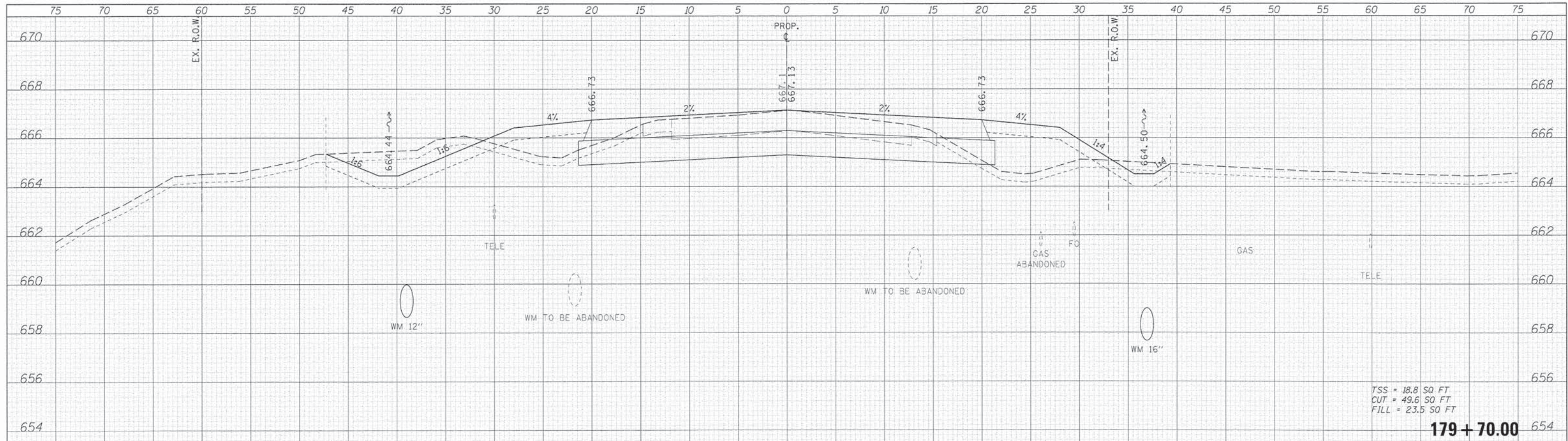
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS JERICHO ROAD	
SCALE:	SHEET NO. 12 OF 14 SHEETS STA. 178+80.00 TO STA. 179+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1542	04-00329-00-BR	KANE	96	94
CONTRACT NO. 63873			ILLINOIS FED. AID PROJECT	

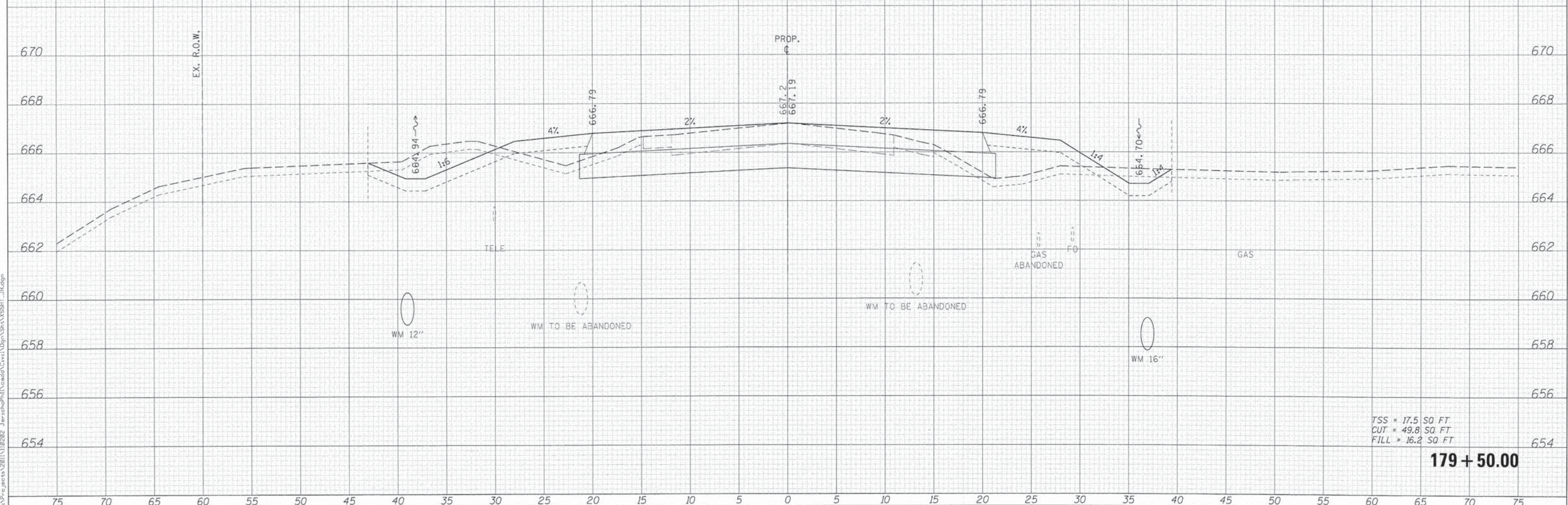
DATE	
BY	
FINISHED	
SURVEY	
PLOTTED	
TEMPLATE	
NOTES	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL	
SURVEY	
PLOTTED	
TEMPLATE	
NOTES	
CHECKED	
NO.	



TSS = 18.8 SQ FT  
 CUT = 49.6 SQ FT  
 FILL = 23.5 SQ FT

**179+70.00**



TSS = 17.5 SQ FT  
 CUT = 49.8 SQ FT  
 FILL = 16.2 SQ FT

**179+50.00**

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

USER NAME = norris	DESIGNED - KMA	REVISED -
	DRAWN - KMA	REVISED -
	CHECKED - SBP	REVISED -
	DATE - 12/15/2014	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 JERICHO ROAD**

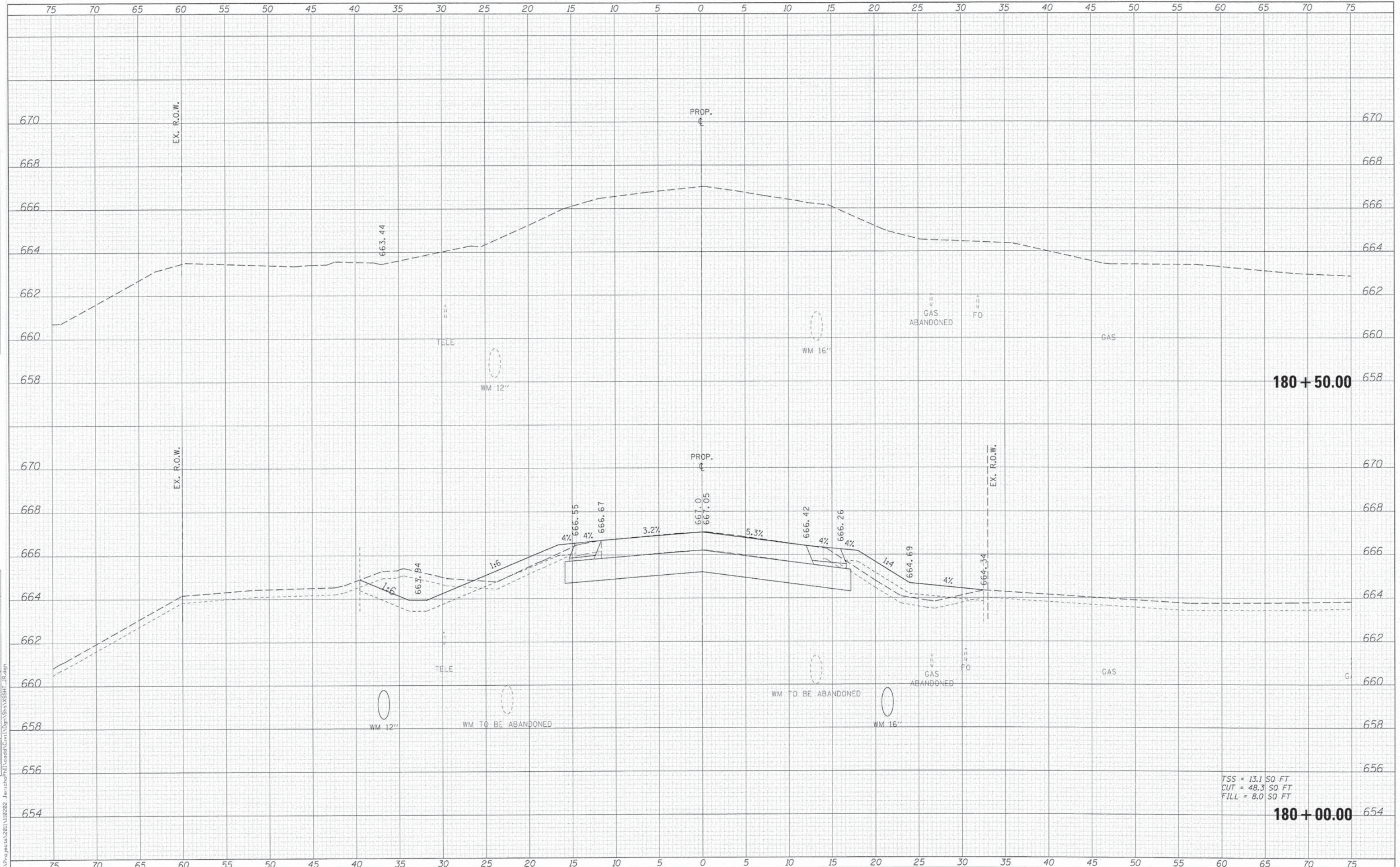
SCALE: SHEET NO. 13 OF 14 SHEETS STA. 179+50.00 TO STA. 179+70.00

F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 95
				CONTRACT NO. 63873
ILLINOIS FED. AID PROJECT				

FILE NAME = K:\Projects\2011\122202 Jericho\Drawings\179+50\SSHT\_13.dwg

DATE  
BY  
SUPERVISED  
SURVEY  
NOTED BOOK  
NO.

DATE  
BY  
ORIGINAL  
SURVEY  
NOTED BOOK  
NO.



TSS = 13.1 SQ FT  
CUT = 48.3 SQ FT  
FILL = 8.0 SQ FT

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

USER NAME = rparis	DESIGNED - KMA	REVISED -
DRAWN - KMA	CHECKED - SBP	REVISED -
PLLOT SCALE = 1/8"	DATE - 12/15/2014	REVISED -
PLLOT DATE = 12/11/2014		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS JERICHO ROAD</b>	
SCALE:	SHEET NO. 14 OF 14 SHEETS STA. 180+00.00 TO STA. 180+50.00

F.A.U. RTE. 1542	SECTION 04-00329-00-BR	COUNTY KANE	TOTAL SHEETS 96	SHEET NO. 96
CONTRACT NO. 63873			ILLINOIS FED. AID PROJECT	