

F.A.U. RTE. 1239	SECTION 16-10130-02-WR	COUNTY LAKE	TOTAL SHEETS 106	SHEET NO. 1
ILLINOIS			CONTRACT NO. 61G00	

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FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. ROUTE 1239 (ROCKLAND ROAD)
DES PLAINES RIVER TO SAINT MARY'S ROAD
RECONSTRUCTION, DRAINAGE, PAVEMENT MARKING
SECTION 16-10130-02-WR
PROJECT PKJM(437)
LIBERTYVILLE TOWNSHIP ROAD DISTRICT
LAKE COUNTY
C-91-020-17



DESIGN SPEED

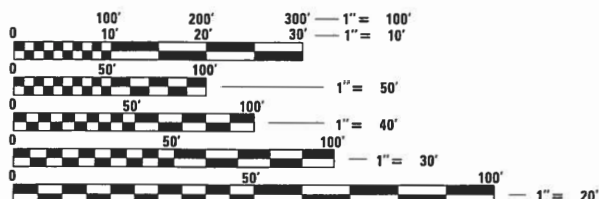
ROCKLAND ROAD - 35 MPH

POSTED SPEED

ROCKLAND ROAD - 30 MPH

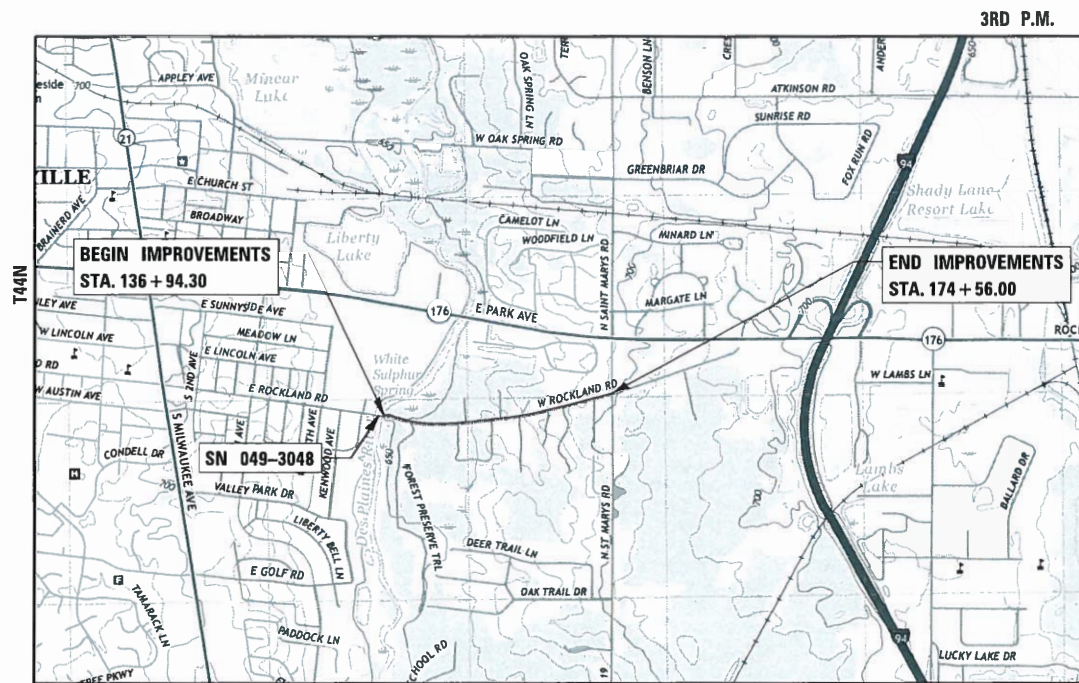
FUNCTIONAL CLASSIFICATION

ROCKLAND ROAD - MAJOR COLLECTOR (2015 ADT=5,300)



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



LIBERTYVILLE TOWNSHIP R11E LOCATION MAP (NOT TO SCALE)

PROJECT LENGTH
GROSS AND NET LENGTH = 3,761.70 FT. (0.712 MILES)

FEDERAL AID PROGRAM DESIGN ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL
CONSULTANT ENGINEER: DAVID J. KREGER, P.E. CIVILTECH ENGINEERING, INC.

CONTRACT NO. 61G00

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	<i>June 5 2019</i> LIBERTYVILLE TOWNSHIP HIGHWAY COMMISSIONER
PASSED	<i>6/21 2019</i> STEPHEN M. JANKO DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	<i>JUNE 24 2019</i> ANDREW J. QUINCY/RS REGIONAL ENGINEER
PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS	

SIGNED *[Signature]*
DATE *6/5/19* EXPIRES 11-30-2019

PLANS PREPARED BY:
CIVILTECH
Two Pierce Place, Suite 1400 - Itasca, Illinois 60143
Tel: 630.773.3900 - Fax: 630.773.3975
www.civiltechinc.com

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HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542546-01	FLUSH INLET BOX FOR MEDIAN
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602401-06	PRECAST MANHOLE TYPE A 4' DIAMETER
602402-02	PRECAST MANHOLE TYPE A 5' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS, TYPE 1
604036-03	GRATE, TYPE 8
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A&B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
BLR 24-2	MAILBOX TURNOUT FOR LOCAL ROADS

IDOT DISTRICT ONE STANDARDS

BD-32	BUTT JOINT AND HMA TAPER DETAILS
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TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2019; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JUNE 2014 SEVENTH EDITION, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS AND IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- ALL UTILITY COMPANIES, SCHOOL DISTRICTS ((847-362-9695)(DISTRICT 70) AND (847-327-7000)(HIGH SCHOOL)), LOCAL POLICE ((847-362-8310)(LIBERTYVILLE POLICE) AND (847-377-4000)(LAKE COUNTY SHERIFF)), AND FIRE DEPARTMENTS (847-362-5664) SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE PROJECT LIMITS. ALL EXCESS OR WASTE MATERIAL SHALL BE EITHER HAULED AWAY FROM THE PROJECT SITE BY THE CONTRACTOR AND DEPOSITED AT LOCATIONS PROVIDED BY HIM, OR DISPOSED OF WITHIN THE RIGHT-OF-WAY IN A MANNER OTHER THAN BURNING, SUBJECT TO THE APPROVAL OF THE ENGINEER.

PAVING, CURB & GUTTER AND SIDEWALK

- HOT-MIX ASPHALT BINDER COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.
- HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
- THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACE, BINDER, OR BASE UPON WHICH THE HOT-MIX ASPHALT MATERIALS ARE PLACED.
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER, MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.

TREE REMOVAL, CLEANING AND HEDGE REMOVAL

- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF THE UTMOST IMPORTANCE TO THE TOWNSHIP. ALL TREE PROTECTION, TREE REMOVAL, TREE PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- TEMPORARY FENCE SHALL BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WHEN DIRECTED BY THE ENGINEER. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
- THE CONTRACTOR SHALL MARK ALL TREES TO BE REMOVED IN A MANNER MEETING THE APPROVAL OF THE ENGINEER PRIOR TO THE START OF REMOVAL OPERATIONS. ALL TREES TO BE REMOVED SHALL BE APPROVED BY THE ENGINEER PRIOR TO REMOVAL.

ROADWAY EXCAVATION

- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
- AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED, AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

UTILITIES

- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY.
- COORDINATION OF ANY UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)
- ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCKLAND ROAD
INDEX, GENERAL NOTES, AND STANDARDS

SHEET 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	2
				CONTRACT NO. 61G00
		ILLINOIS	FED. AID PROJECT	

STORM & SANITARY SEWER

1. DRAINAGE STRUCTURE FLAT-TOPS AND CONES SHALL BE TURNED SO THAT THE FRAMES ARE CLOSEST TO THE CENTERLINE OF THE LANE. ALL FLAT-TOPS AND CONES ARE ASSUMED TO BE ECCENTRIC.
2. ALL SEWER AND WATER SERVICES CROSSED BY NEW STORM SEWERS SHALL BE PROPERLY LOCATED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO SAID SERVICES SHALL BE REPAIRED BY THE CONTRACTOR.
3. ONLY METHOD 1 UNDER ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS SHALL BE ALLOWED FOR THE PLACEMENT OF TRENCH BACKFILL.
4. THE CONTRACTOR SHALL NOTIFY THE LAKE COUNTY PUBLIC WORKS (LCPW) (847-377-7500) 48 HOURS IN ADVANCE OF WORK IN THE VICINITY OF THE COUNTY SANITARY SEWER. EXISTING CHIMNEY SEALS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO THE SATISFACTION OF THE LCPW AND THE ENGINEER. THE LCPW SHALL BE ALLOWED TO INSPECT EXISTING FRAMES AND CHIMNEY SEALS PRIOR TO BACKFILLING.

STAKING

1. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE ENGINEER OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
2. ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
3. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE.
4. PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE INDICATED.
5. THE CONSTRUCTION BASELINE HAS BEEN ESTABLISHED FOR STAKING PURPOSES ONLY AND IS NOT INTENDED TO BE A CENTERLINE OF RIGHT-OF-WAY.

MISCELLANEOUS

1. UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS POINTS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL NOT CROSS COMPLETED BINDER COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.
3. THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

COMMITMENTS

1. NO TREES SHALL BE REMOVED FROM APRIL 1 THROUGH OCTOBER 16 OF ANY CONSTRUCTION YEAR.

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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
INDEX, GENERAL NOTES, AND STANDARDS**

SHEET 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	3
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 61G00

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						0004	0005	0005
						ROADWAY RECONSTRUCTION	ROADWAY RESURFACING	ROADWAY RESURFACING
						LIBERTYVILLE TOWNSHIP	LIBERTYVILLE TOWNSHIP	VILLAGE OF GREEN OAKS
		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	586	586		
		20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	212	186	26	
		20101000	TEMPORARY FENCE	FOOT	3160	3160		
X		20101200	TREE ROOT PRUNING	EACH	80	80		
X		20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	52	52		
X		20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	43	43		
		20200100	EARTH EXCAVATION	CU YD	4725	4725		
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1115	1115		
		20800150	TRENCH BACKFILL	CU YD	554	554		
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3345	3345		
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1095	1095		
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	931		931	
X		25000110	SEEDING, CLASS 1A	ACRE	2.25	2.00	0.25	
X		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	203	180	23	
X		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	203	180	23	
X		25100630	EROSION CONTROL BLANKET	SQ YD	9431	9313	118	
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	160	157	3	
		28000305	TEMPORARY DITCH CHECKS	FOOT	416	416		
		28000400	PERIMETER EROSION BARRIER	FOOT	1787	1613	174	
		28000510	INLET FILTERS	EACH	16		11	5
		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	7653	7555	98	
		28100107	STONE RIPRAP, CLASS A4	SQ YD	48	48		
		28200200	FILTER FABRIC	SQ YD	48	48		
X		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1115	1115		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
SUMMARY OF QUANTITIES**

SHEET 1 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	4
			CONTRACT NO. 61G00	
ILLINOIS FED. AID PROJECT				

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						0004	0005	0005
						ROADWAY RECONSTRUCTION	ROADWAY RESURFACING	ROADWAY RESURFACING
						LIBERTYVILLE TOWNSHIP	LIBERTYVILLE TOWNSHIP	VILLAGE OF GREEN OAKS
X		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	9159	9159		
		31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	15		15	
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	937	896	41	
		35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	69	46	23	
		35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	1120	1091	29	
		40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	21661	21595	66	
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2323		1756	567
		40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	144		109	35
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	55		37	18
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	532	171	292	69
		40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	3828	3828		
		40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SQ YD	8506	8506		
		42001300	PROTECTIVE COAT	SQ YD	127	87	40	
		42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	43	43		
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	131		131	
		42400800	DETECTABLE WARNINGS	SQ FT	40		40	
		44000100	PAVEMENT REMOVAL	SQ YD	9049	9012	37	
		44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	151		151	
		44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	3290		2450	840
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	651	625	26	
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	94		94	
		44201725	CLASS D PATCHES, TYPE I, 7 INCH	SQ YD	21		21	
		44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	49		49	
		44201733	CLASS D PATCHES, TYPE III, 7 INCH	SQ YD	49		49	

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**STATE OF ILLINOIS
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**ROCKLAND ROAD
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SHEET 2 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	5
CONTRACT NO. 61G00			ILLINOIS FED. AID PROJECT	

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						0004	0005	0005
						ROADWAY RECONSTRUCTION	ROADWAY RESURFACING	ROADWAY RESURFACING
						LIBERTYVILLE TOWNSHIP	LIBERTYVILLE TOWNSHIP	VILLAGE OF GREEN OAKS
		44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	21		21	
		44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	31		18	13
		44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	71		42	29
		44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	71		42	29
		44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	31		18	13
		48101202	AGGREGATE SHOULDERS, TYPE B	CU YD	28	28		
		48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	520	520		
		48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	511	338	173	
		50300225	CONCRETE STRUCTURES	CU YD	0.8	0.8		
		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	100	100		
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTION 12"	EACH	16	16		
		54213660	PRECAST REINFORCED CONCRETE FLARED END SECTION 15"	EACH	9	9		
		54213663	PRECAST REINFORCED CONCRETE FLARED END SECTION 18"	EACH	1	1		
		54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	3	3		
		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	284	284		
		550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	230	230		
		550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	11	11		
		550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	45	45		
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	473	473		
		550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	232	232		
		550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	179	179		
		55100100	STORM SEWER REMOVAL 4"	FOOT	10	10		
		55100200	STORM SEWER REMOVAL 6"	FOOT	3	3		
		55100300	STORM SEWER REMOVAL 8"	FOOT	25	25		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
SUMMARY OF QUANTITIES**

SHEET 3 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	6
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						0004	0005	0005
						ROADWAY RECONSTRUCTION	ROADWAY RESURFACING	ROADWAY RESURFACING
						LIBERTYVILLE TOWNSHIP	LIBERTYVILLE TOWNSHIP	VILLAGE OF GREEN OAKS
		55100400	STORM SEWER REMOVAL 10"	FOOT	92	92		
		55100500	STORM SEWER REMOVAL 12"	FOOT	887	887		
		55100700	STORM SEWER REMOVAL 15"	FOOT	196	196		
		55100900	STORM SEWER REMOVAL 18"	FOOT	380	380		
		55101100	STORM SEWER REMOVAL 21"	FOOT	46	46		
		60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	3	3		
		60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	431	431		
		60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
		60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2		
		60204505	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1	1		
		60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	2	2		
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5		
		60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
		60500040	REMOVING MANHOLES	EACH	3	3		
		60500060	REMOVING INLETS	EACH	1	1		
		60600095	CLASS SI CONCRETE (OUTLET)	CU YD	3.0		3.0	
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	233	193	40	
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9		
		67100100	MOBILIZATION	L SUM	1	1		
		70107025	CHANGEABLE MESSAGE SIGN	CAL DA	270		270	
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	579	209	198	172
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	193	66	70	57
X		70300900	PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS	SQ FT	73		73	
X		70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	1278		1278	

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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
SUMMARY OF QUANTITIES**

SHEET 4 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	7
CONTRACT NO. 61G00			ILLINOIS FED. AID PROJECT	

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						0004	0005	0005
						ROADWAY RECONSTRUCTION	ROADWAY RESURFACING	ROADWAY RESURFACING
						LIBERTYVILLE TOWNSHIP	LIBERTYVILLE TOWNSHIP	VILLAGE OF GREEN OAKS
X		72000100	SIGN PANEL - TYPE 1	SQ FT	93	93		
X		72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	33	33		
X		72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	3		
X		72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	23	23		
X		72500200	OBJECT MARKER - TYPE 2	EACH	6	6		
X		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	223	223		
X		72900100	METAL POST - TYPE A	FOOT	229	229		
X		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	72		36	36
X		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	13679	9568	3271	840
X		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	732		524	208
X		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	90	90		
X		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	24			24
X		78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	11575	10009	1566	
X		A2008020	TREE, TILIA CORDATA (LITTLE LEAF LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	6		
X		A2008468	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5		
X		B2003320	TREE, MALUS DONALD WYMAN (DONALD WYMAN CRABAPPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2	2		
X		B2004120	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4	4		
X		B2006220	TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3	3		
X		C2C020G3	SHRUB, CORNUS STOLONIFERA (RED OSIER DOGWOOD), CONTAINER GROWN, 3-GALLON	EACH	52	52		
X		X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	984	869	115	
X		X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	205		205	
X		X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	300	300		

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	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
SUMMARY OF QUANTITIES**

SHEET 5 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	8
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
						0004	0005	0005
						ROADWAY RECONSTRUCTION	ROADWAY RESURFACING	ROADWAY RESURFACING
						LIBERTYVILLE TOWNSHIP	LIBERTYVILLE TOWNSHIP	VILLAGE OF GREEN OAKS
X		X4020500	AGGREGATE SURFACE COURSE, TYPE B 6"	SQ YD	33		33	
X		X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	20	19	1	
X		X4023000	TEMPORARY ACCESS (ROAD)	EACH	8	8		
X		X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1		
X		X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
X		X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	554		554	
X		XX000856	MAILBOX REMOVAL AND RELOCATION	EACH	44	44		
X		XX004774	BRICK DRIVEWAY REMOVAL AND REPLACEMENT	SQ FT	620	620		
X		XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	1		
X		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
X		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	26	26		
X		Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	6694	5446	827	421
X		Z0052399	RELOCATE PORTABLE TEMPORARY BARRIER SYSTEM	FOOT	508		508	
X		Z0062456	TEMPORARY PAVEMENT	SQ YD	804	767	37	
O	X	Z0076600	TRAINEES	HOUR	500	500		
O	X	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500		

O CONSTRUCTION TYPE CODE 0042

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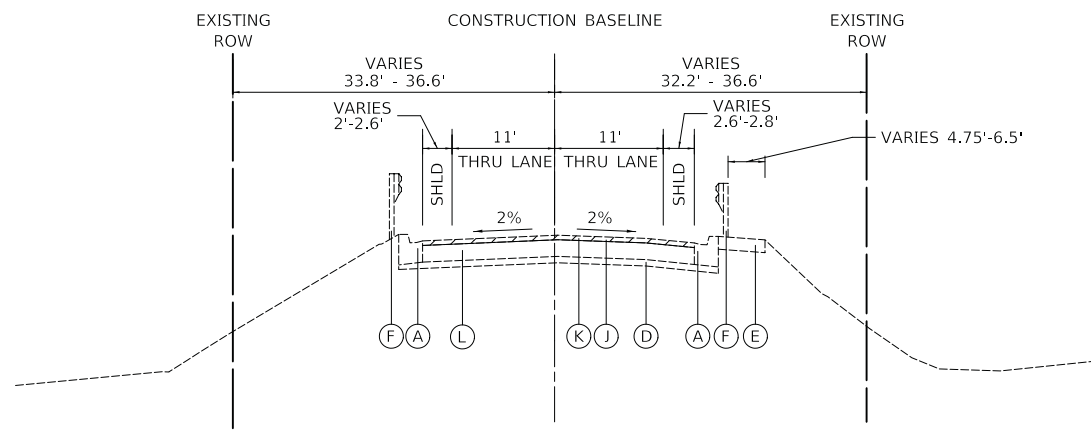
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

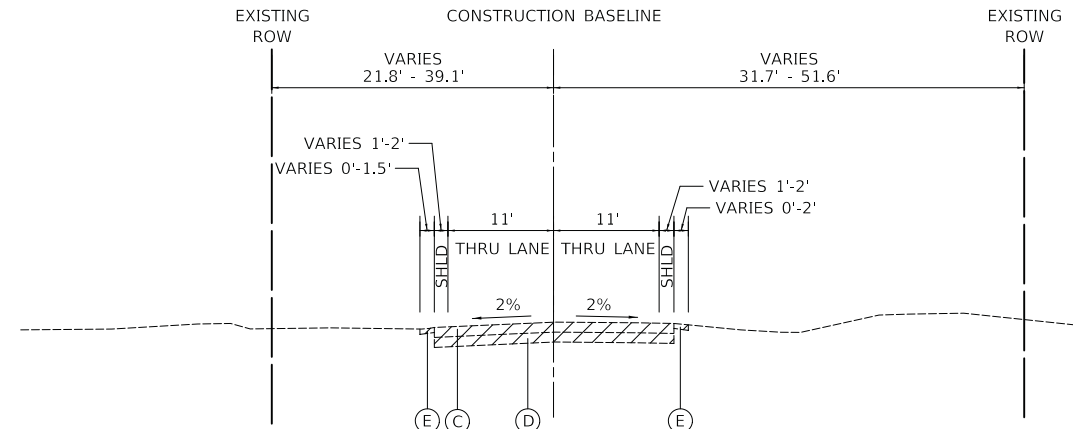
**ROCKLAND ROAD
SUMMARY OF QUANTITIES**

SHEET 6 OF 6 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	9
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



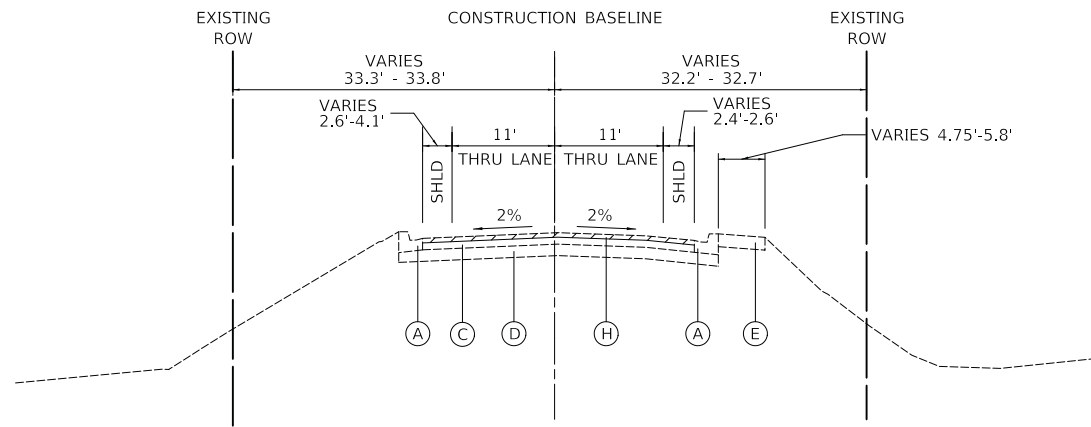
EXISTING TYPICAL SECTION
 ROCKLAND ROAD
 STA. 136+94.30 TO STA. 137+44.30



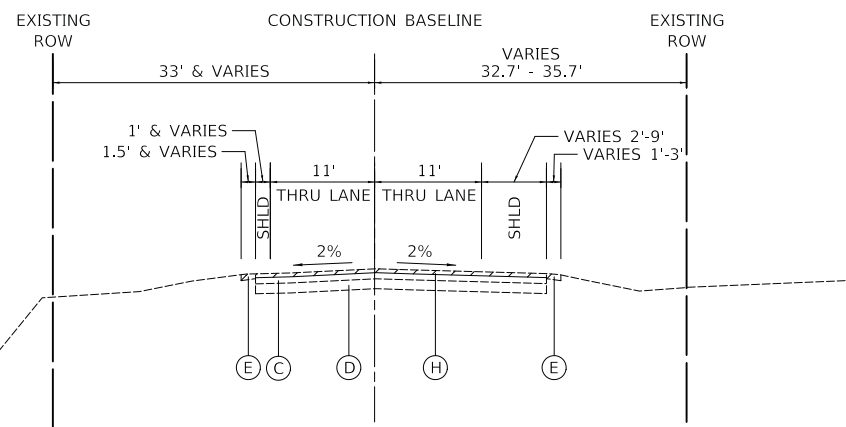
EXISTING TYPICAL SECTION
 ROCKLAND ROAD
 STA. 141+63.82 TO STA. 157+41.00

LEGEND

- (A) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (B) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 6"-7½"
- (D) EXISTING AGGREGATE BASE 4"-12¾" (REMOVE WHEN REQUIRED FOR AGGREGATE SUBGRADE PLACEMENT - PAID FOR AS "EARTH EXCAVATION")
- (E) EXISTING AGGREGATE SHOULDER (REMOVAL PAID FOR AS "EARTH EXCAVATION")
- (F) EXISTING GUARDRAIL
- (G) EXISTING 6' X 3' BOX CULVERT
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2¾"
- (I) EXISTING HOT-MIX ASPHALT PAVEMENT, 10½"
- (J) HOT-MIX ASPHALT SURFACE REMOVAL, 1½"
- (K) EXISTING HOT-MIX ASPHALT PAVEMENT, 1½"
- (L) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT (VARIES 9" TO 14½")



EXISTING TYPICAL SECTION
 ROCKLAND ROAD
 STA. 137+44.30 TO STA. 137+63.71



ROCKLAND ROAD
 STA. 137+63.71 TO STA. 141+63.82

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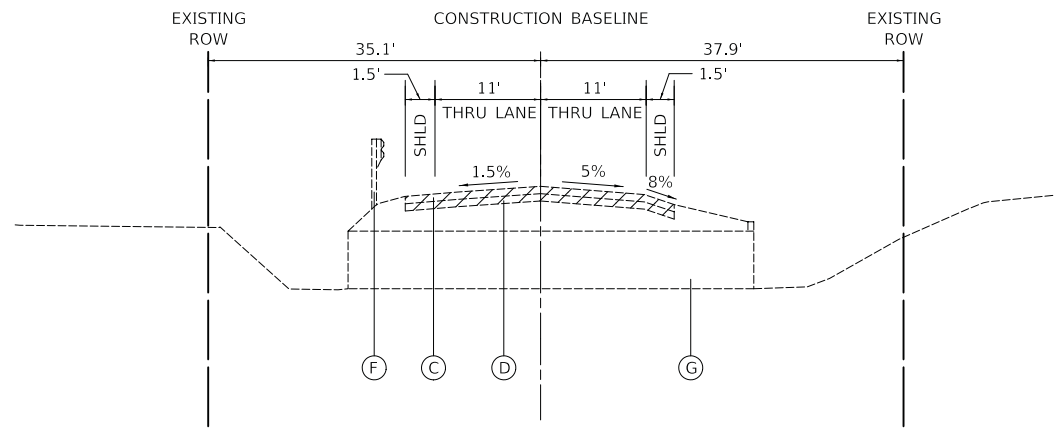
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
 EXISTING TYPICAL SECTIONS**

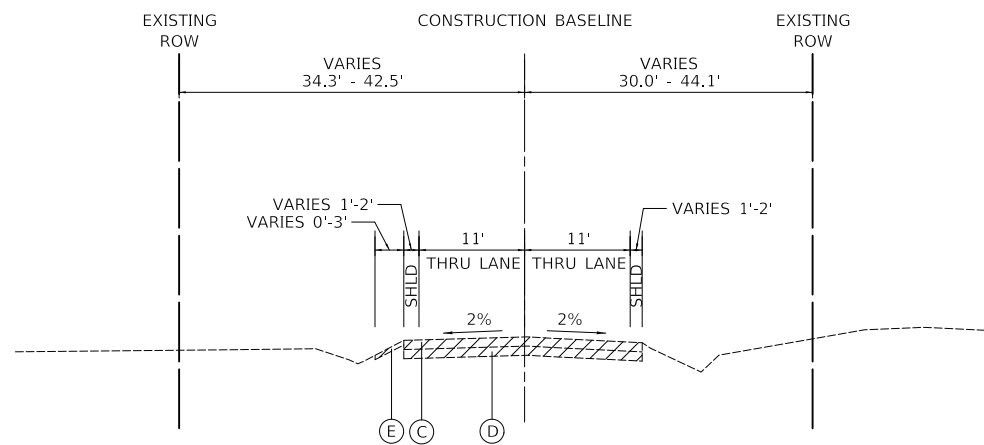
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	10
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



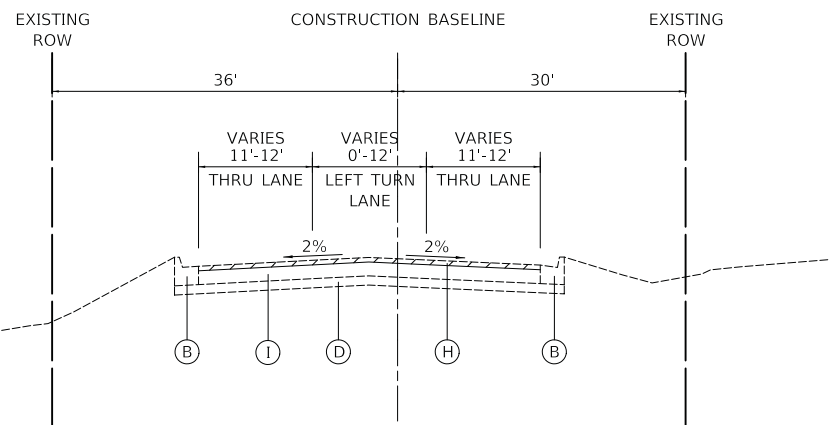
EXISTING TYPICAL SECTION

ROCKLAND ROAD
STA. 157+41.00



EXISTING TYPICAL SECTION

ROCKLAND ROAD
STA. 157+41.00 TO STA. 168+86.86



EXISTING TYPICAL SECTION

ROCKLAND ROAD
STA. 168+86.86 TO STA. 174+56

LEGEND

- (A) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (B) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 6"-7 1/4"
- (D) EXISTING AGGREGATE BASE 4"-12 3/4" (REMOVE WHEN REQUIRED FOR AGGREGATE SUBGRADE PLACEMENT - PAID FOR AS "EARTH EXCAVATION")
- (E) EXISTING AGGREGATE SHOULDER (REMOVAL PAID FOR AS "EARTH EXCAVATION")
- (F) EXISTING GUARDRAIL
- (G) EXISTING 6' X 3' BOX CULVERT
- (H) HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"
- (I) EXISTING HOT-MIX ASPHALT PAVEMENT, 10 1/2"
- (J) HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- (K) EXISTING HOT-MIX ASPHALT PAVEMENT, 1 1/2"
- (L) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT (VARIES 9" TO 14 1/2")



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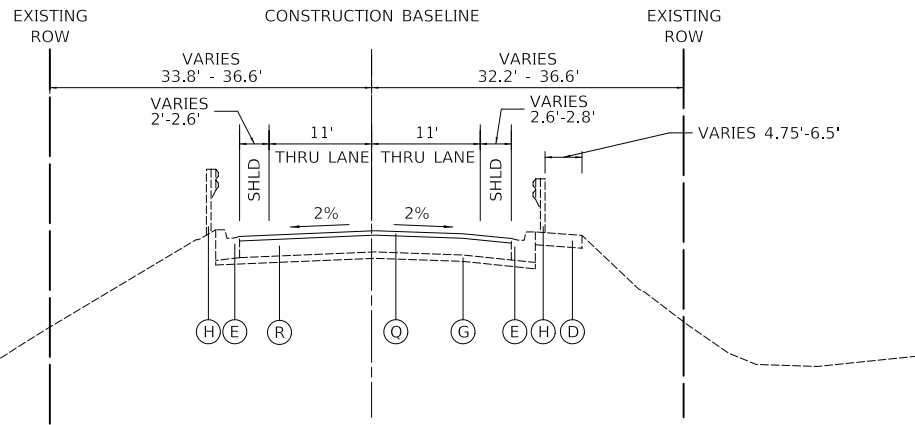
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROCKLAND ROAD EXISTING TYPICAL SECTIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		1239	16-10130-02-WR	LAKE	106	11
SCALE: NTS		SHEET 2 OF 2 SHEETS		CONTRACT NO. 61G00		
				ILLINOIS FED. AID PROJECT		

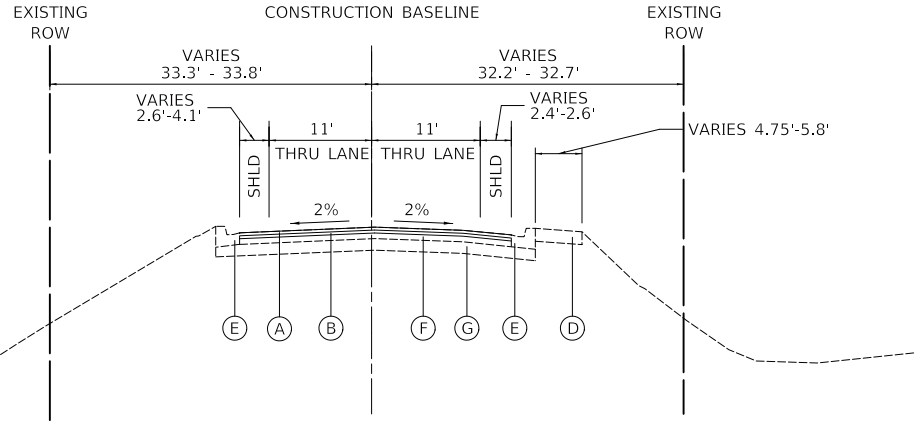
PROPOSED LEGEND

- (A) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"
- (B) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 ¾"
- (C) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (8")
- (D) EXISTING AGGREGATE SHOULDERS
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (F) EXISTING HOT-MIX ASPHALT PAVEMENT
- (G) EXISTING AGGREGATE BASE 4"-12¾"
- (H) EXISTING GUARDRAIL
- (I) TOPSOIL (4") -SEE LANDSCAPING PLAN FOR PAY ITEMS
- (J) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (K) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (L) AGGREGATE SHOULDERS, TYPE B 6"
- (M) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (N) AGGREGATE SHOULDERS, TYPE B (2" THICKNESS - SEE MOT PLANS)
- (O) AGGREGATE SHOULDERS, TYPE B 8"
- (P) HEADWALL EXTENSION - SEE STRUCTURAL PLANS
- (Q) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 1½"
- (R) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT



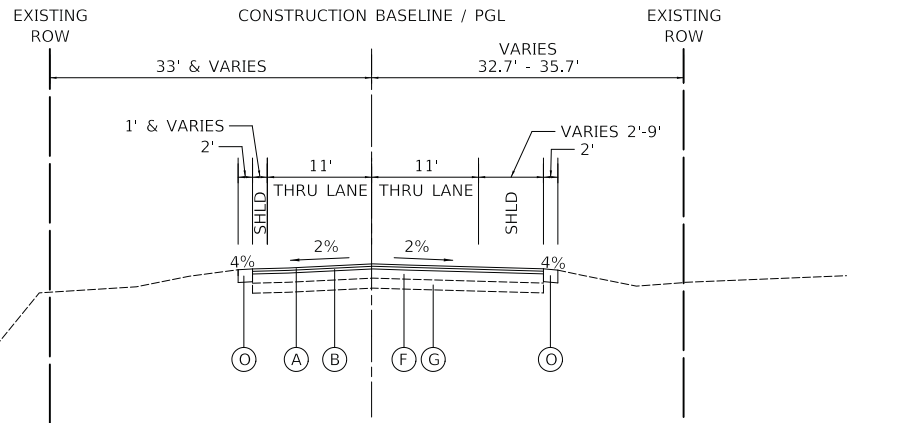
PROPOSED TYPICAL SECTION

ROCKLAND ROAD
STA. 136+94.30 TO STA. 137+44.30



PROPOSED TYPICAL SECTION

ROCKLAND ROAD
STA. 137+44.30 TO STA. 137+63.71



PROPOSED TYPICAL SECTION

ROCKLAND ROAD
STA. 137+63.71 TO STA. 141+63.82

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"	4% @ 50 GYR.
PROPOSED RESURFACING (STA. 136+94.30 TO STA. 137+44.30)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 1½"	4% @ 50 GYR.
PROPOSED RESURFACING (EAST OF STA. 137+44.30)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 2"	4% @ 50 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 ¾"	3.5% @ 50 GYR.
PROPOSED HMA DRIVEWAY PAVEMENT AND MAILBOX TURNOUT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm), 3"	4% @ 50 GYR.
PROPOSED TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm), 2"	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 6"	4% @ 70 GYR.

NOTES:

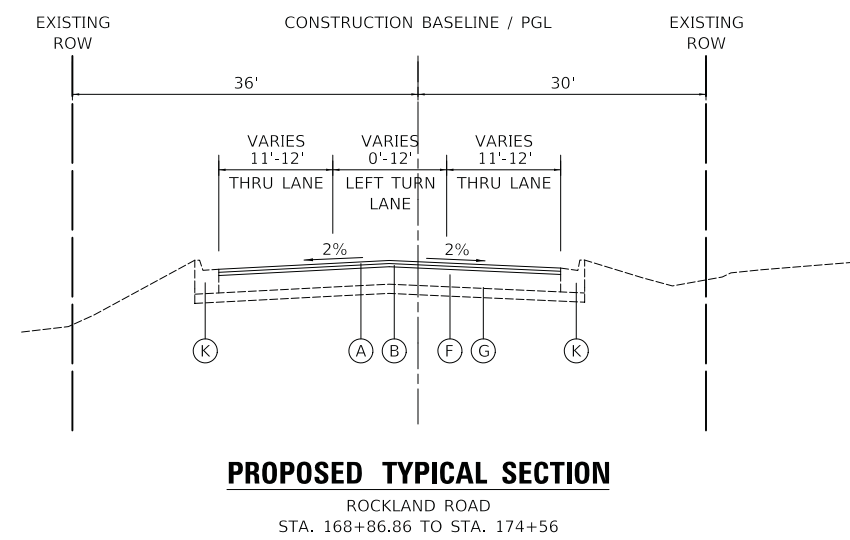
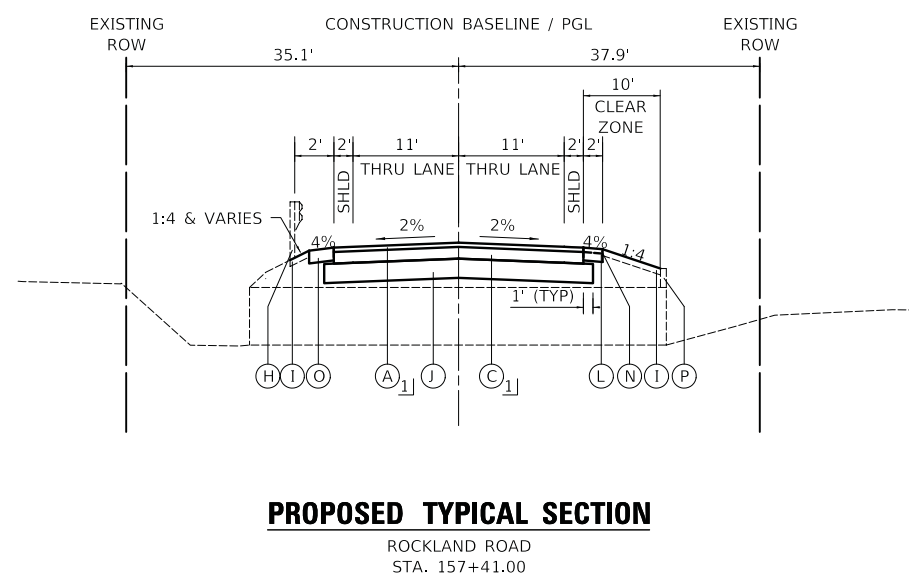
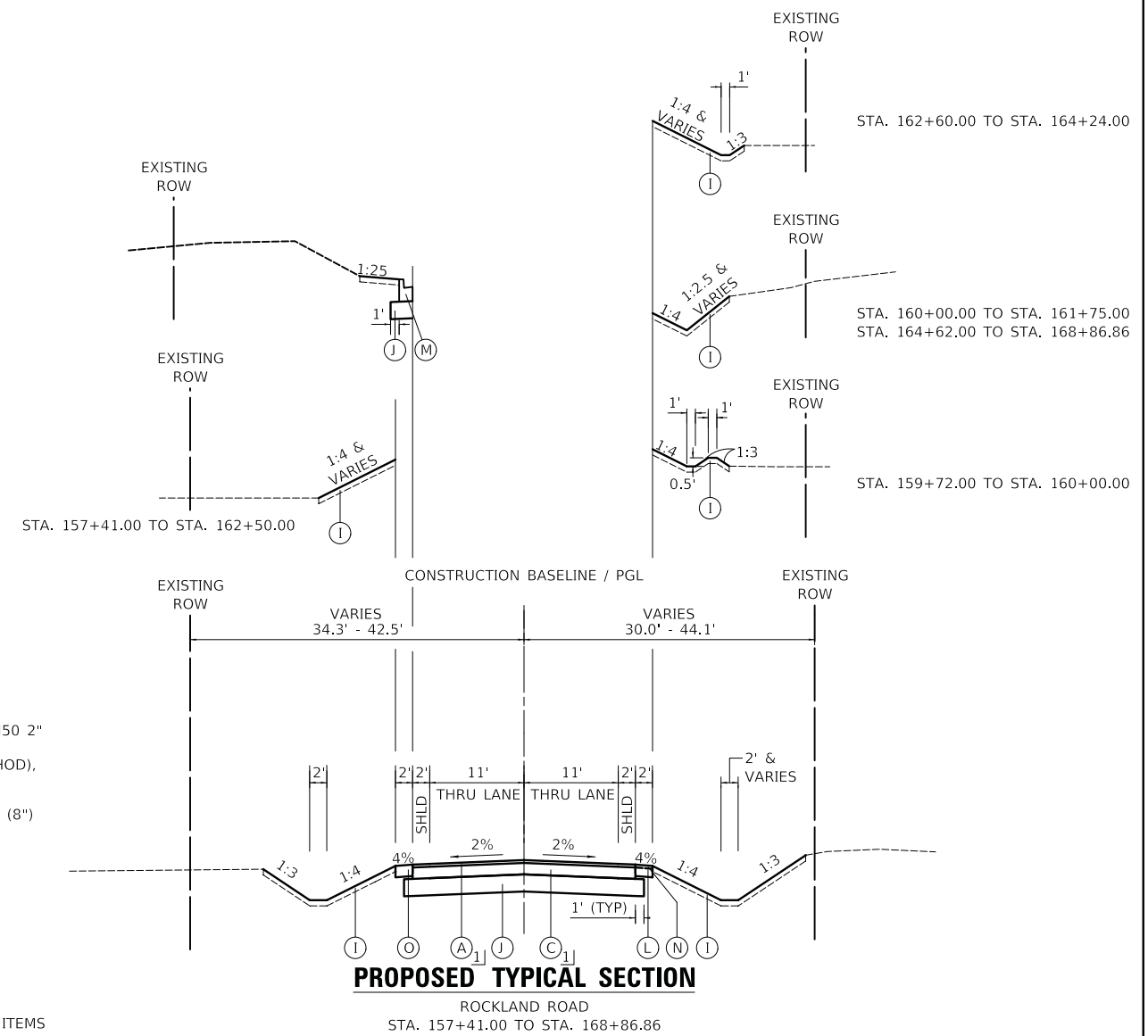
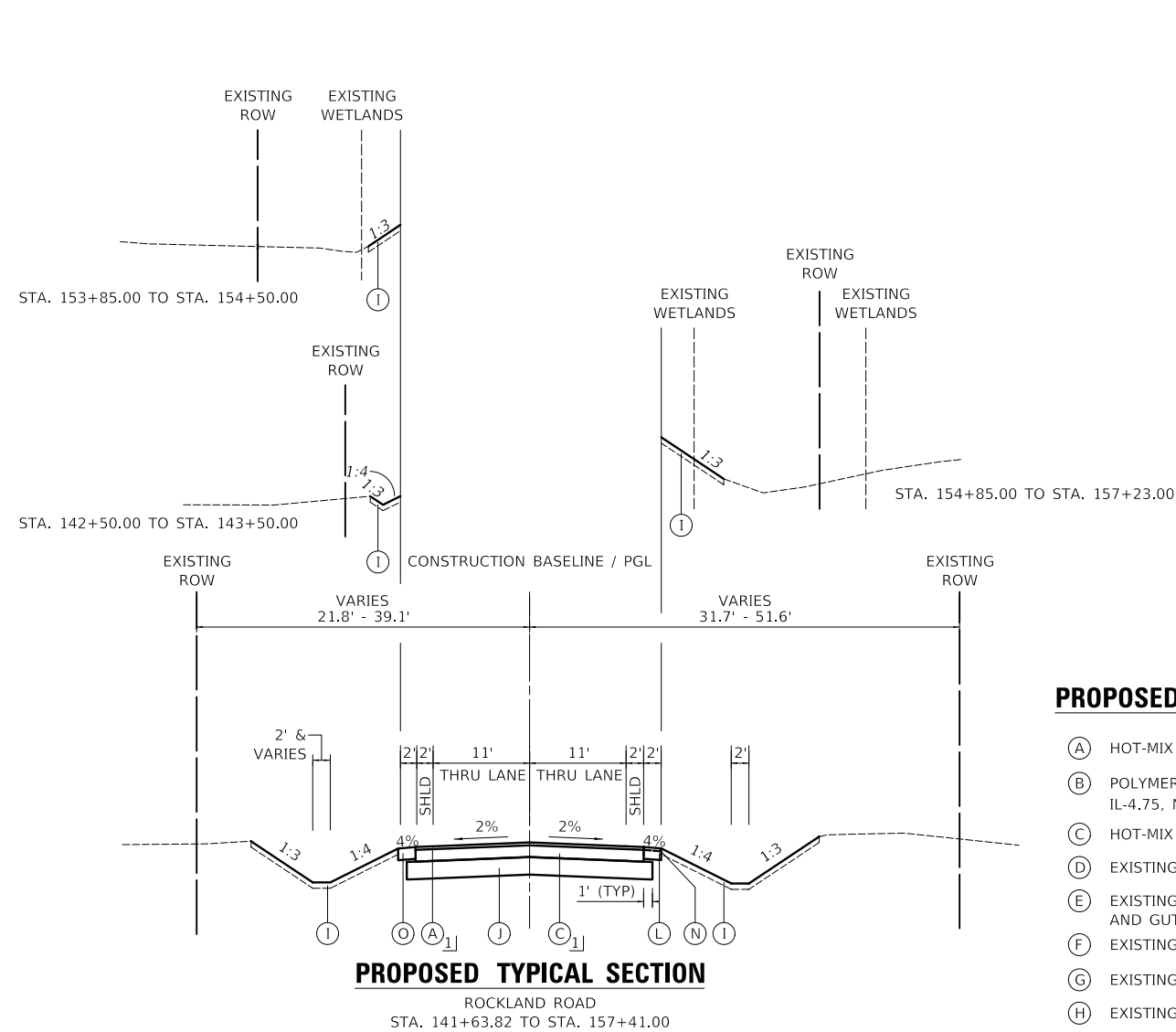
- THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY-IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ARTICLE 1020 OF THE STANDARD SPECIFICATIONS, PCC PAVEMENT 8" THICK. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.
- WITHIN THE RESURFACING SECTIONS, LONGITUDINAL JOINT SEALANT SHALL BE PLACED BELOW THE SURFACE COURSE. WITHIN THE RECONSTRUCTION SECTIONS, THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED BELOW THE SURFACE COURSE AND THE TOP BINDER COURSE.

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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROCKLAND ROAD PROPOSED TYPICAL SECTIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NTS	SHEET 1 OF 2 SHEETS	1239	16-10130-02-WR	LAKE	106	12
				CONTRACT NO. 61G00		
				ILLINOIS FED. AID PROJECT		



PROPOSED LEGEND

- (A) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"
- (B) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 ¾"
- (C) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (8")
- (D) EXISTING AGGREGATE SHOULDERS
- (E) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (F) EXISTING HOT-MIX ASPHALT PAVEMENT
- (G) EXISTING AGGREGATE BASE 4"-12¾"
- (H) EXISTING GUARDRAIL
- (I) TOPSOIL (4") -SEE LANDSCAPING PLAN FOR PAY ITEMS
- (J) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (K) EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (L) AGGREGATE SHOULDERS, TYPE B 6"
- (M) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (N) AGGREGATE SHOULDERS, TYPE B (2" THICKNESS - SEE MOT PLANS)
- (O) AGGREGATE SHOULDERS, TYPE B 8"
- (P) HEADWALL EXTENSION - SEE STRUCTURAL PLANS
- (Q) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 1½"
- (R) EXISTING PORTLAND CEMENT CONCRETE PAVEMENT

1] PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"

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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROCKLAND ROAD PROPOSED TYPICAL SECTIONS		
SCALE: NTS	SHEET 2 OF 2 SHEETS	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	13
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION							
ROCKLAND ROAD - STAGE 1							
STATION	DISTANCE	CUT - SUITABLE MATERIAL	CUT - TOPSOIL EXCAVATION	FILL	CUT - SUITABLE MATERIAL	CUT - TOPSOIL EXCAVATION	FILL
(XX+XX)	(FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	(CU. YD.)	(CU. YD.)	(CU. YD.)
141+63.8		22.1	2.6	1.7			
	36				33.2	7.4	2.2
142+00.		27.5	8.5	1.6			
	50				50.6	14.2	4.0
142+50.		27.2	6.8	2.8			
	50				49.3	16.7	6.4
143+00.		26.1	11.2	4.1			
	50				46.3	13.6	5.3
143+50.		23.9	3.4	1.6			
	50				41.3	6.2	3.3
144+00.		20.7	3.3	2.0			
	50				37.1	8.6	5.4
144+50.		19.4	6.0	3.8			
	50				46.2	10.2	10.6
145+00.		30.5	5.0	7.6			
	50				44.8	16.5	19.9
145+50.		17.9	12.8	13.9			
	50				54.4	18.8	19.9
146+00.		40.8	7.6	7.6			
	50				65.7	21.1	8.2
146+50.		30.1	15.2	1.3			
	50				55.4	28.1	6.4
147+00.		29.7	15.2	5.6			
	50				55.6	32.4	11.2
147+50.		30.3	19.8	6.5			
	50				50.6	27.6	9.6
148+00.		24.3	10.0	3.8			
	50				40.7	22.6	14.0
148+50.		19.6	14.4	11.2			
	50				68.1	17.5	15.6
149+00.		53.9	4.5	5.6			
	50				63.5	16.7	19.6
149+50.		14.7	13.5	15.6			
	50				29.1	23.0	27.3
150+00.		16.7	11.3	14.0			
	50				32.1	19.6	26.1
150+50.		18.0	9.9	14.2			
	50				37.7	26.6	29.8
151+00.		22.7	18.8	18.0			
	50				36.1	32.8	32.9
151+50.		16.3	16.6	17.5			
	50				29.2	30.7	29.4
152+00.		15.3	16.6	14.2			
	50				41.6	19.0	16.3
152+50.		29.6	3.9	3.4			
	50				43.1	13.7	9.2
153+00.		17.0	10.8	6.6			
	50				33.7	17.3	13.2
153+50.		19.4	7.9	7.7			
	50				35.2	15.0	14.6
154+00.		18.6	8.3	8.0			
	50				55.3	20.1	14.5
154+50.		41.1	13.4	7.6			
	50				52.4	22.1	17.1
155+00.		15.5	10.5	10.9			
	50				27.8	19.7	21.0
155+50.		14.6	10.8	11.8			
	50				30.4	15.0	14.9
156+00.		18.3	5.4	4.2			
	50				37.6	10.7	8.4
156+50.		22.3	6.2	4.8			
	50				42.8	10.0	7.2

SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION							
ROCKLAND ROAD - STAGE 1							
STATION	DISTANCE	CUT - SUITABLE MATERIAL	CUT - TOPSOIL EXCAVATION	FILL	CUT - SUITABLE MATERIAL	CUT - TOPSOIL EXCAVATION	FILL
157+00.		23.9	4.6	3.0			
	50				42.4	9.4	6.1
157+50.		21.9	5.5	3.6			
	50				34.9	14.0	22.1
158+00.		15.8	9.6	20.2			
	50				29.0	17.9	35.5
158+50.		15.5	9.8	18.1			
	50				30.8	21.3	32.4
159+00.		17.8	13.2	16.9			
	50				53.1	12.2	15.6
159+50.		39.6	0.0	0.0			
	50				56.8	9.0	5.3
160+00.		21.8	9.8	5.8			
	50				52.5	17.5	6.9
160+50.		34.9	9.2	1.6			
	50				64.9	14.6	2.3
161+00.		35.2	6.7	0.9			
	50				74.0	16.5	1.8
161+50.		44.8	11.1	1.0			
	50				66.5	16.4	5.2
162+00.		27.0	6.5	4.6			
	50				46.6	21.0	21.2
162+50.		23.3	16.2	18.3			
	50				39.2	21.0	24.3
163+00.		19.1	6.5	7.9			
	50				36.7	19.2	21.3
163+50.		20.6	14.2	15.1			
	50				40.4	20.3	19.3
164+00.		23.0	7.7	5.7			
	50				63.8	15.9	11.1
164+50.		45.9	9.5	6.3			
	50				62.8	16.2	9.2
165+00.		22.0	8.1	3.6			
	50				48.3	19.1	7.9
165+50.		30.2	12.6	4.9			
	50				48.2	19.1	9.4
166+00.		21.9	8.0	5.2			
	50				47.9	19.3	12.0
166+50.		29.9	12.8	7.7			
	50				54.9	22.3	15.2
167+00.		29.5	11.3	8.6			
	50				45.3	17.1	11.5
167+50.		19.5	7.2	3.8			
	50				31.5	12.9	6.9
168+00.		14.6	6.8	3.7			
	50				32.4	18.9	11.2
168+50.		20.4	13.6	8.4			
	37				27.2	9.3	9.8
168+86.9		19.5	0.0	6.0			
ROCKLAND ROAD - STAGE 1					2,496.9	973.9	766.9

MODEL: 4100ELNAMES
FILE: NAME: 031323_Schedule.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
SCHEDULE OF QUANTITIES**

SHEET 1 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	14
CONTRACT NO. 61G00				
ILLINOIS		FED. AID PROJECT		

SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION							
ROCKLAND ROAD - STAGE 2							
STATION	DISTANCE	CUT - SUITABLE MATERIAL	CUT - TOPSOIL EXCAVATION	FILL	CUT - SUITABLE MATERIAL	CUT - TOPSOIL EXCAVATION	FILL
(XX+XX)	(FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	(CU. YD.)	(CU. YD.)	(CU. YD.)
141+63.8		17.7	0.0	1.9			
	36				24.4	0.0	2.0
142+00.		18.7	0.0	1.1			
	50				36.0	0.0	2.1
142+50.		20.2	0.0	1.2			
	50				40.9	0.0	2.0
143+00.		23.9	0.0	1.0			
	50				39.6	0.8	2.3
143+50.		18.9	0.9	1.5			
	50				33.9	1.6	2.8
144+00.		17.7	0.8	1.5			
	50				33.2	1.6	3.2
144+50.		18.1	0.9	2.0			
	50				33.2	3.6	5.7
145+00.		17.8	3.1	4.2			
	50				34.5	2.8	5.5
145+50.		19.5	0.0	1.8			
	50				36.8	0.0	2.7
146+00.		20.2	0.0	1.1			
	50				38.0	0.0	2.2
146+50.		20.8	0.0	1.3			
	50				40.5	0.0	2.2
147+00.		23.0	0.0	1.1			
	50				43.2	0.0	2.0
147+50.		23.7	0.0	1.0			
	50				38.2	1.6	2.3
148+00.		17.5	1.7	1.5			
	50				29.8	4.3	4.3
148+50.		14.7	2.9	3.2			
	50				27.3	5.5	5.3
149+00.		14.7	3.0	2.6			
	50				26.0	5.4	5.3
149+50.		13.3	2.8	3.2			
	50				25.2	7.7	12.1
150+00.		13.9	5.5	9.9			
	50				48.9	5.1	9.2
150+50.		38.9	0.0	0.0			
	50				52.7	0.0	1.7
151+00.		18.1	0.0	1.9			
	50				32.2	0.0	3.7
151+50.		16.7	0.0	2.1			
	50				29.2	0.0	4.4
152+00.		14.8	0.0	2.6			
	50				26.0	4.0	7.5
152+50.		13.3	4.4	5.5			
	50				27.9	4.0	7.2
153+00.		16.9	0.0	2.3			
	50				36.3	0.0	3.6
153+50.		22.3	0.0	1.5			
	50				42.2	0.0	2.5
154+00.		23.2	0.0	1.2			
	50				39.6	0.0	2.4
154+50.		19.6	0.0	1.4			
	50				34.7	0.0	3.7
155+00.		17.9	0.0	2.6			
	50				34.9	0.0	4.6
155+50.		19.8	0.0	2.4			
	50				55.1	0.0	3.9
156+00.		39.7	0.0	1.8			
	50				59.0	1.1	2.8
156+50.		24.0	1.2	1.2			
	50				45.8	2.8	2.1

SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION							
ROCKLAND ROAD - STAGE 2							
STATION	DISTANCE	CUT - SUITABLE MATERIAL	CUT - TOPSOIL EXCAVATION	FILL	CUT - SUITABLE MATERIAL	CUT - TOPSOIL EXCAVATION	FILL
157+00.		25.4	1.8	1.0			
	50				44.2	2.7	1.9
157+50.		22.3	1.2	1.0			
	50				40.7	1.8	1.9
158+00.		21.6	0.8	1.0			
	50				40.1	1.3	1.8
158+50.		21.7	0.6	1.0			
	50				43.6	2.5	2.2
159+00.		25.4	2.2	1.4			
	50				51.1	2.0	2.0
159+50.		29.8	0.0	0.7			
	50				50.6	0.2	2.2
160+00.		24.9	0.2	1.7			
	50				47.3	0.8	4.5
160+50.		26.2	0.6	3.2			
	50				48.4	9.9	4.7
161+00.		26.2	10.1	1.8			
	50				45.4	11.1	2.6
161+50.		22.8	1.8	1.0			
	50				39.6	1.8	2.9
162+00.		19.9	0.1	2.1			
	50				34.1	0.6	5.2
162+50.		17.0	0.5	3.5			
	50				34.4	3.6	6.2
163+00.		20.2	3.4	3.1			
	50				40.8	3.1	4.8
163+50.		23.9	0.0	2.0			
	50				48.1	0.0	2.2
164+00.		28.0	0.0	0.4			
	50				47.8	0.0	1.4
164+50.		23.6	0.0	1.1			
	50				38.8	6.7	1.9
165+00.		18.3	7.3	1.0			
	50				41.7	6.7	2.0
165+50.		26.8	0.0	1.2			
	50				54.1	5.1	2.1
166+00.		31.6	5.5	1.1			
	50				51.9	7.3	2.1
166+50.		24.4	2.3	1.1			
	50				45.8	2.2	1.7
167+00.		25.1	0.0	0.7			
	50				42.8	0.0	1.1
167+50.		21.1	0.0	0.5			
	50				42.4	0.0	0.8
168+00.		24.7	0.0	0.4			
	50				41.0	0.0	1.2
168+50.		19.6	0.0	1.0			
	37				28.2	0.0	2.0
168+86.9		21.7	0.0	2.0			
ROCKLAND ROAD - STAGE 2					2,188.1	121.5	184.8

MODEL: 6100ELNAMES
FILE: 6100ELNAMES_031323_Schedule.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
SCHEDULE OF QUANTITIES**

SHEET 2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	15
CONTRACT NO. 61G00				
ILLINOIS		FED. AID PROJECT		

STAGE 1	
TOTAL EARTH EXCAVATION (CU. YD.)	2,497
TOTAL TOPSOIL EXCAVATION AND PLACEMENT (CU. YD.)	
	974
TOTAL EMBANKMENT REQUIRED (CU. YD.)	
	767
FURNISHED EXCAVATION = EMBANKMENT - (EARTH EXCAVATION X (1-0.15))	
	-1,355
STAGE 2	
TOTAL EARTH EXCAVATION (CU. YD.)	2,188
EARTH EXCAVATION FOR AGGREGATE SHOULDER REMOVAL IN RESURFACING (CU. YD.)	
	39
TOTAL TOPSOIL EXCAVATION AND PLACEMENT (CU. YD.)	
	122
TOTAL EMBANKMENT REQUIRED (CU. YD.)	
	185
FURNISHED EXCAVATION = EMBANKMENT - (EARTH EXCAVATION X (1-0.15))	
	-1,675
TOTAL EARTH EXCAVATION (CU. YD.)	
	4,725
TOTAL TOPSOIL EXCAVATION AND PLACEMENT (CU. YD.)	
	1,095
TOTAL EMBANKMENT REQUIRED (CU. YD.)	
	952
FURNISHED EXCAVATION	
	0

SCHEDULE OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL					
SHEET NO.	START STATION	END STATION	AREA (SF)	DEPTH (FT)	VOLUME (CY)
21	146+50	148+50	5,600	1	207
22	148+50	149+50	3,900	1	144
PROJECT TOTAL:					352 CU YD

MODEL: 4100BELNAMES
FILE NAME: ..031723_Schedule.dgn

USER NAME = djc	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
SCHEDULE OF QUANTITIES**

SHEET 3 OF 3 SHEETS

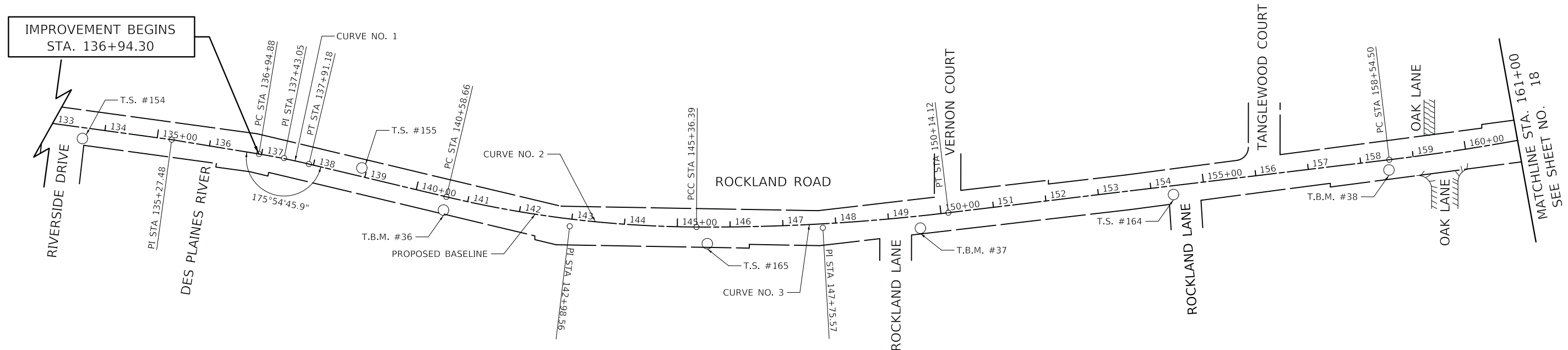
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	16
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

CONTROL POINTS

STATION NO.	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
T.S. #154	2043663.427	1090683.211	133+59.77	20.58' RT	IRON ROD AND CAP
T.S. #155	2043607.778	1091211.990	138+90.39	16.03' LT	IRON ROD AND CAP
T.S. #165	2043464.640	1091865.712	145+58.66	31.44' RT	IRON ROD AND CAP
T.S. #164	2043557.569	1092747.811	154+41.10	16.62' RT	IRON ROD AND CAP
T.S. #163	2043702.826	1093535.804	162+42.83	15.37' LT	IRON ROD AND CAP
T.S. #162	2043995.297	1094830.849	175+68.39	23.67' RT	CROSS CUT IN CONCRETE CURB

BENCHMARKS

TBM NO.	LOCATION	ELEVATION	DESCRIPTION
10	STA. 129+66.21, 24.36' RT	655.10	RAILROAD SPIKE (SET) IN POWER POLE WITH LIGHT
36	STA. 140+59.18, 25.70' RT	653.65	RAILROAD SPIKE (SET) IN POWER POLE
37	STA. 149+58.34, 23.14' RT	658.82	RAILROAD SPIKE (SET) IN POWER POLE WITH LIGHT
38	STA. 158+51.52, 19.19' RT	663.79	RAILROAD SPIKE (SET) IN POWER POLE
39	STA. 166+64.66, 27.25' RT	686.82	RAILROAD SPIKE (SET) IN POWER POLE
40	STA. 175+73.60, 31.74' RT	700.94	RAILROAD SPIKE (SET) IN POWER POLE



ROCKLAND ROAD ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
BOA	98+84.32	2,044,153.238	1,087,242.393
PI	135+27.48	2,043,661.166	1,090,852.166
PC	136+94.88	2,043,634.102	1,091,017.363
PI	137+43.05	2,043,626.313	1,091,064.901
PT	137+91.18	2,043,615.156	1,091,111.764
PC	140+58.66	2,043,553.209	1,091,371.963
PI	142+98.56	2,043,497.646	1,091,605.342
PCC	145+36.39	2,043,496.150	1,091,845.241
PI	147+75.57	2,043,494.659	1,092,084.418
PT	150+14.12	2,043,523.170	1,092,321.894
PC	158+51.50	2,043,623.343	1,093,156.278
PI	161+22.82	2,043,655.327	1,093,422.682
PT	163+90.37	2,043,721.758	1,093,682.645
PI	175+25.61	2,044,002.825	1,094,782.545
EOA	177+09.81	2,044,066.136	1,094,955.517

CURVE DATA

CURVE NO. 1
P.I. STA = 137+43.05
$\Delta = 4^\circ 05' 14''$ (RT)
$D = 4^\circ 14' 39''$
$R = 1350.00'$
$T = 48.17'$
$L = 96.30'$
$E = 0.86'$
$e = \text{N.C.}$
P.C. STA = 136+94.88
P.T. STA = 137+91.18

CURVE DATA

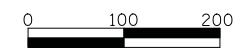
CURVE NO. 2
P.I. STA = 142+98.56
$\Delta = 13^\circ 02' 04''$ (LT)
$D = 2^\circ 43' 42''$
$R = 2100.00'$
$T = 239.90'$
$L = 477.73'$
$E = 13.66'$
$e = \text{N.C.}$
P.C. STA = 140+58.66
PCC STA = 145+36.39

CURVE DATA

CURVE NO. 3
P.I. STA = 147+75.57
$\Delta = 7^\circ 12' 11''$ (LT)
$D = 1^\circ 30' 28''$
$R = 3800.00'$
$T = 239.18'$
$L = 477.73'$
$E = 7.52'$
$e = \text{N.C.}$
PCC STA = 145+36.39
P.T. STA = 150+14.12

CURVE DATA

CURVE NO. 4
P.I. STA = 161+22.82
$\Delta = 7^\circ 29' 19''$ (LT)
$D = 1^\circ 23' 51''$
$R = 4100.00'$
$T = 268.32'$
$L = 535.87'$
$E = 8.77'$
$e = \text{N.C.}$
P.C. STA = 158+54.50
P.T. STA = 163+90.37



SCALE IN FEET

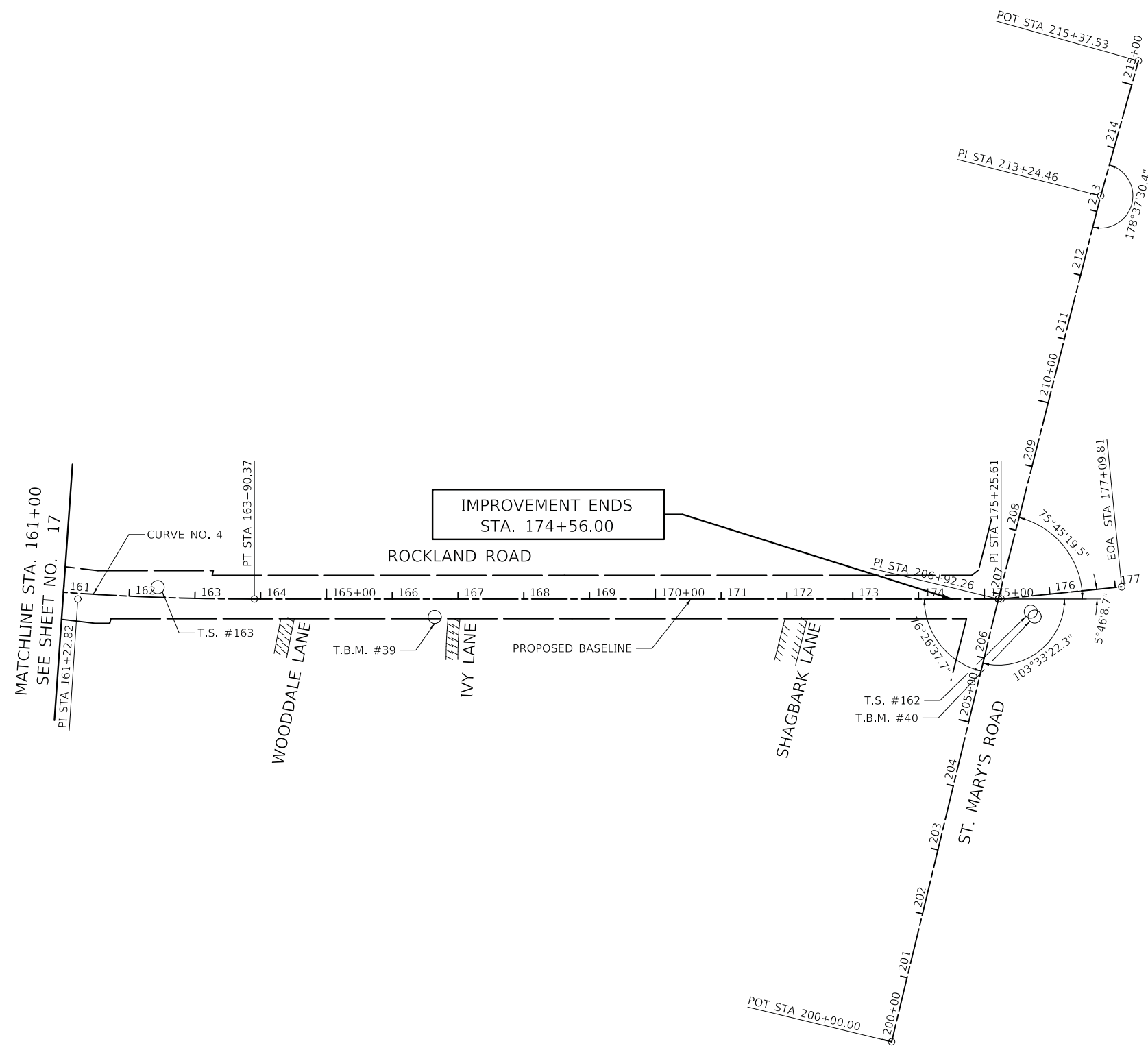
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FILE NAME: 1610130-02-WR.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

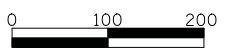
ROCKLAND ROAD ALIGNMENT AND BENCHMARKS	
SCALE: 1" = 100'	SHEET 1 OF 2 SHEETS
STA. 133+00	TO STA. 161+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	17
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



ST. MARY'S ROAD ALIGNMENT DATA

POINT	STATION	NORTHING	EASTING
POT	200+00.00	2,043,309.584	1,094,787.872
PI	206+92.26	2,044,001.783	1,094,778.469
PI	213+24.46	2,044,633.976	1,094,777.476
POT	215+37.53	2,044,846.999	1,094,782.254



SCALE IN FEET

MODEL: 6400BENMARKS
FILE NAME: 16-10130-02-17B.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
ALIGNMENT AND BENCHMARKS**

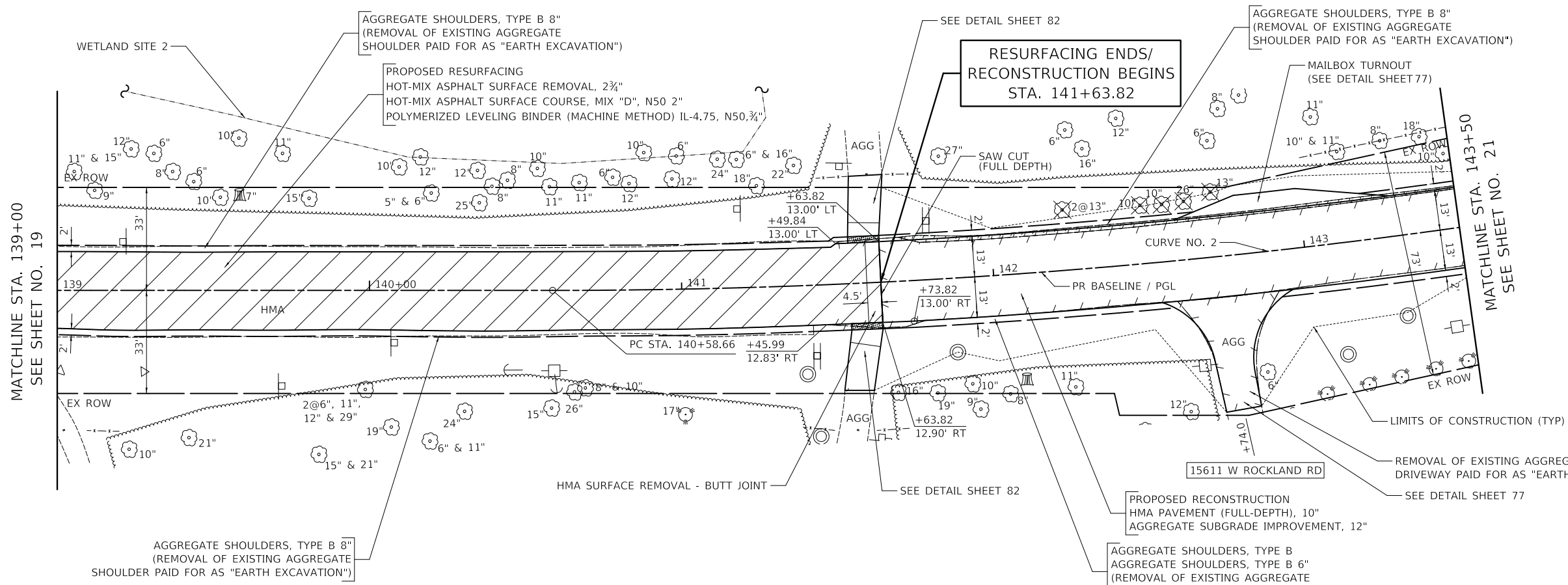
SCALE: 1" = 100' SHEET 2 OF 2 SHEETS STA. 161+00 TO STA. 177+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	18
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

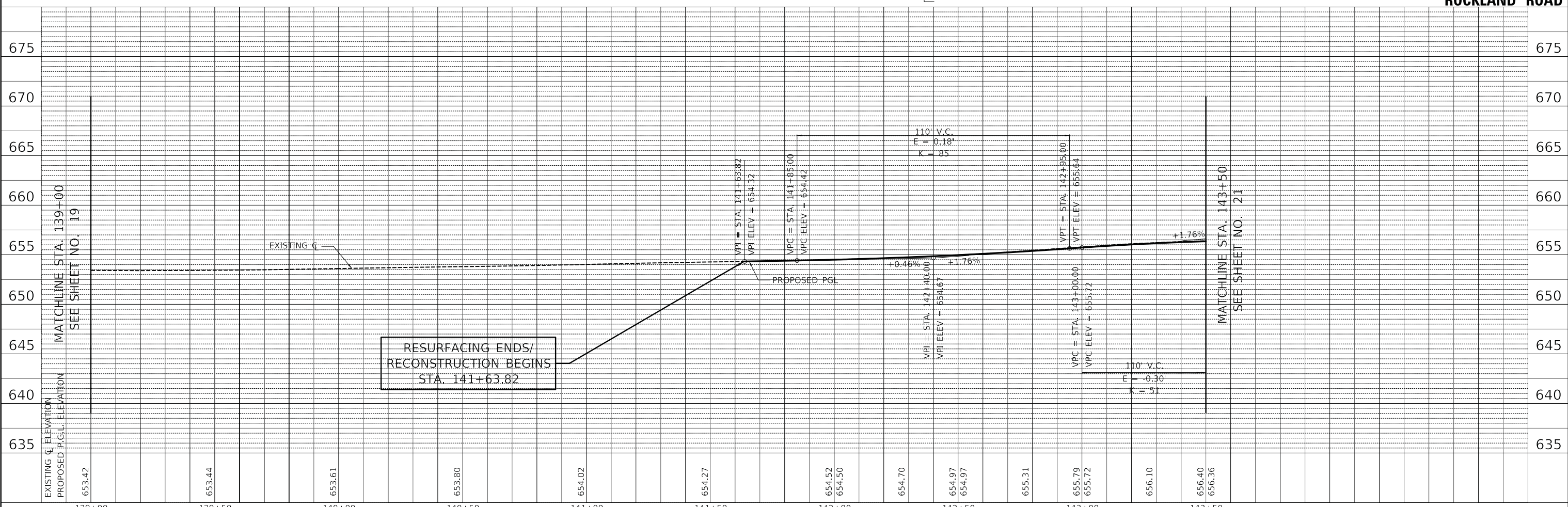
PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	NOTATION	
	NO.	

MODEL: SHODLNAME\$
FILE NAME: ...07-PlanAndProfile13273.rvt.dgn



CURVE NO. 2	
P.I. STA =	142+98.56
$\Delta =$	13° 02' 04" (LT)
D =	2° 43' 42"
R =	2100.00'
T =	239.90'
L =	477.73'
E =	13.66'
e =	N.C.
P.C. STA =	140+58.66
P.T. STA =	145+36.39



ROCKLAND ROAD

USER NAME =	djk	DESIGNED -	JAT	REVISED -	
		DRAWN -	JAT	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJK	REVISED -	
PLOT DATE =	7/3/2019	DATE -	7/08/2019	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

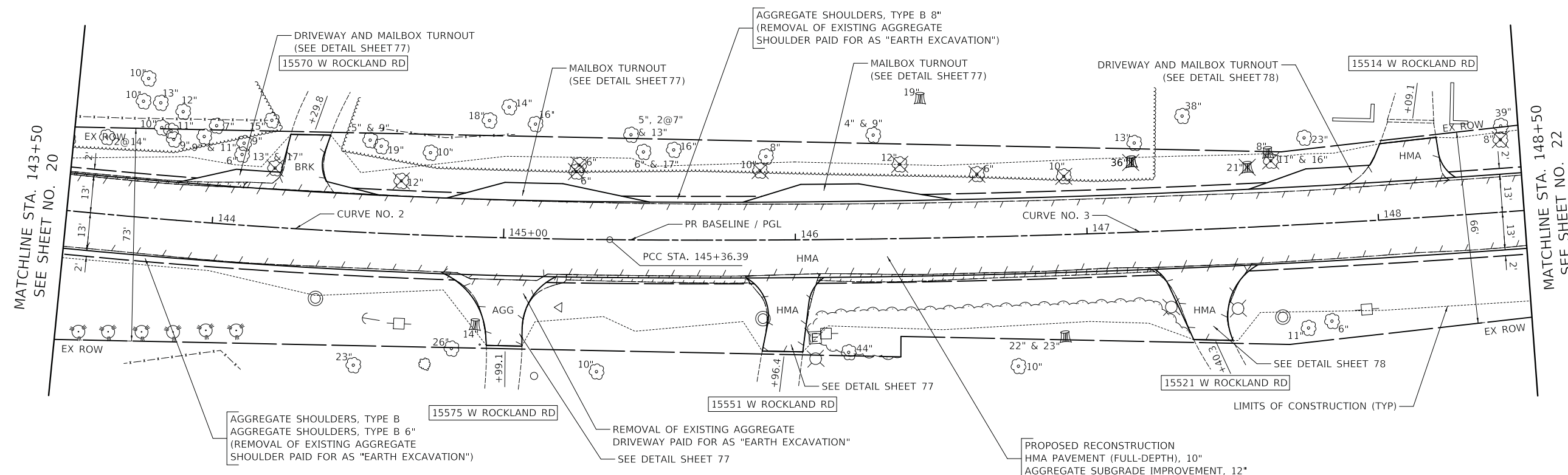
ROCKLAND ROAD PLAN AND PROFILE	
SCALE: 1" = 20'	SHEET 2 OF 9 SHEETS
STA. 139+00	TO STA. 143+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	20
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
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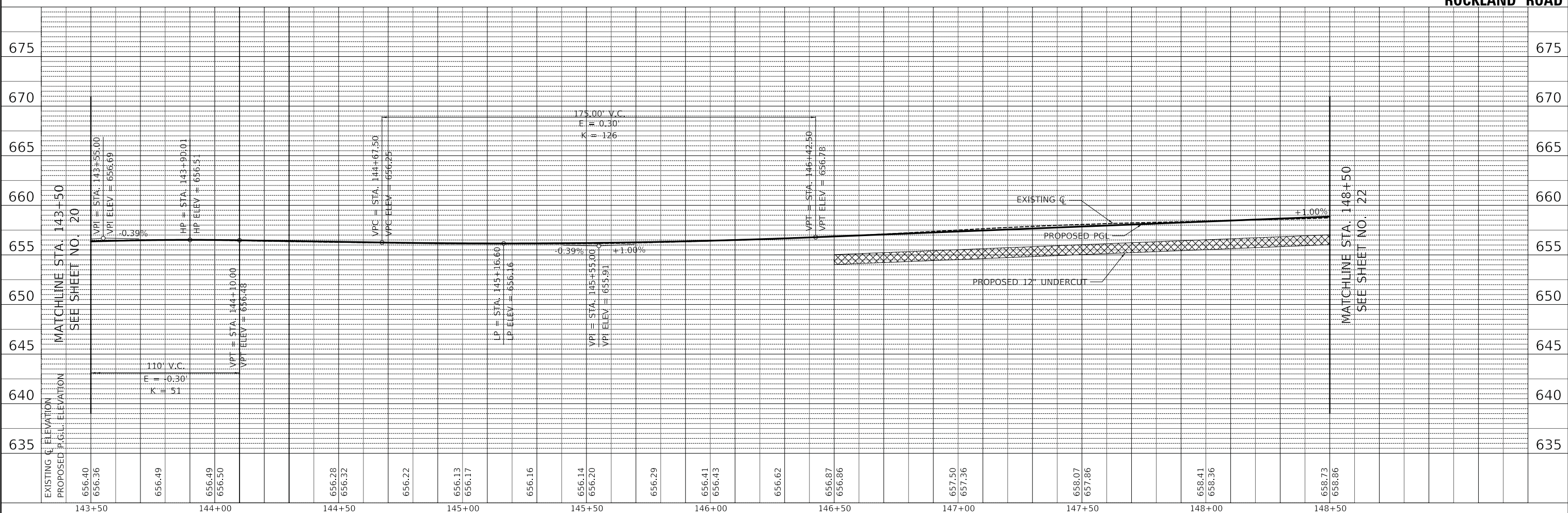
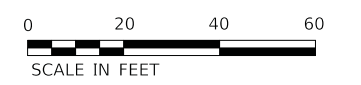
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	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	NO.		

MODEL: SH06LNAME5
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CURVE NO. 2	
P.I. STA =	142+98.56
$\Delta =$	13° 02' 04" (LT)
D =	2° 43' 42"
R =	2100.00'
T =	239.90'
L =	477.73'
E =	13.66'
e =	N.C.
P.C. STA =	140+58.66
P.T. STA =	145+36.39

CURVE NO. 3	
P.I. STA =	147+75.57
$\Delta =$	7° 12' 11" (LT)
D =	1° 30' 28"
R =	3800.00'
T =	239.18'
L =	477.73'
E =	7.52'
e =	N.C.
P.C. STA =	145+36.39
P.T. STA =	150+14.12



ROCKLAND ROAD

USER NAME =	djk	DESIGNED -	JAT	REVISED -	
		DRAWN -	JAT	REVISED -	
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PLOT DATE =	7/3/2019	DATE -	7/08/2019	REVISED -	

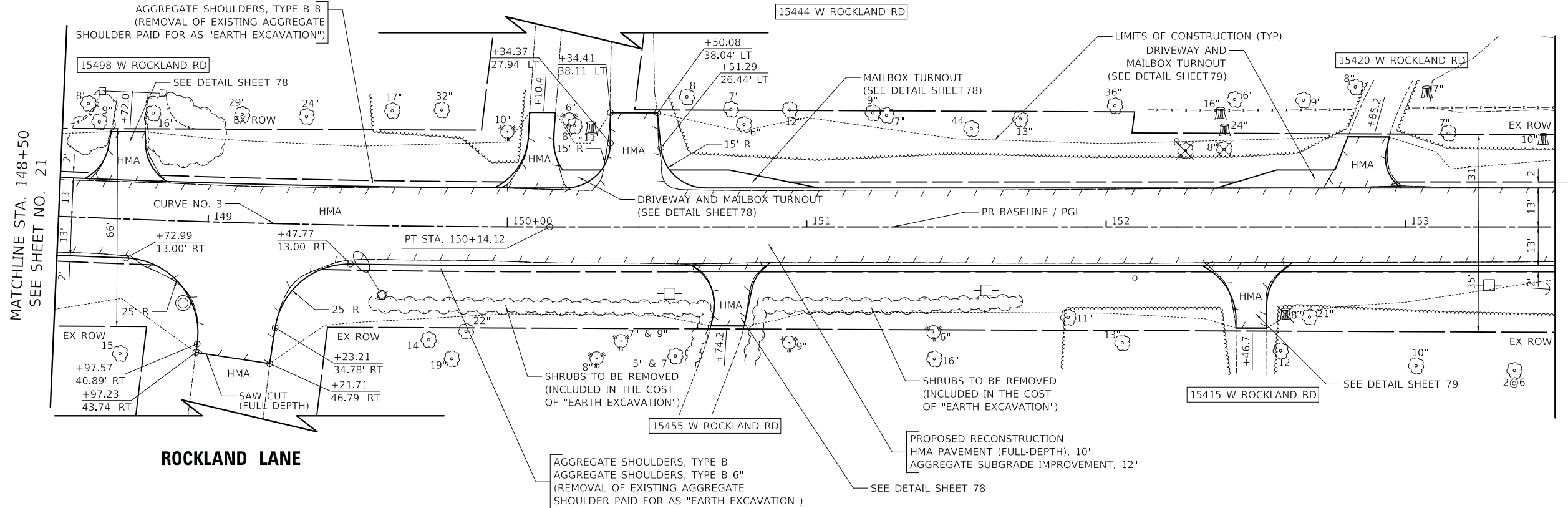
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROCKLAND ROAD PLAN AND PROFILE	
SCALE: 1" = 20'	SHEET 3 OF 9 SHEETS
STA. 143+50	TO STA. 148+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	21
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



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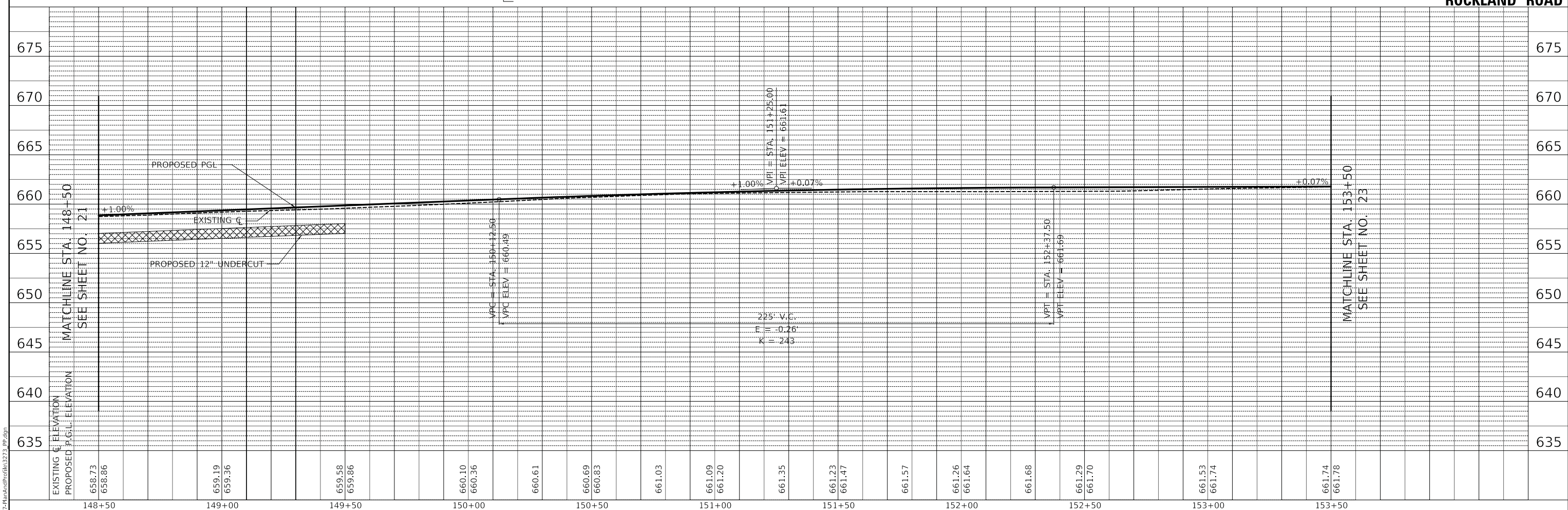


CURVE NO. 3	
P.I. STA =	147+75.57
$\Delta =$	7° 12' 11" (LT)
D =	1° 30' 28"
R =	3800.00'
T =	239.18'
L =	477.73'
E =	7.52'
e =	N.C.
P.C. STA =	145+36.39
P.T. STA =	150+14.12



PLAN	SURVEYED	DATE
NO.		
NOTE BOOK	ALIGNED	
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NO.		
NOTE BOOK	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	



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PLOT SCALE =	20.0000' / in.	CHECKED -	DJK	REVISED -	
PLOT DATE =	7/3/2019	DATE -	7/08/2019	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROCKLAND ROAD PLAN AND PROFILE	
SCALE: 1" = 20'	SHEET 4 OF 9 SHEETS
STA. 148+50	TO STA. 153+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	22
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

NOTE 1 - FLARE GUTTER OUT 2' OVER 10'. THIS WORK SHALL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12".

PROPOSED RECONSTRUCTION
HMA PAVEMENT (FULL-DEPTH), 10"
AGGREGATE SUBGRADE IMPROVEMENT, 12"

AGGREGATE SHOULDERS, TYPE B 8"
(REMOVAL OF EXISTING AGGREGATE
SHOULDER PAID FOR AS "EARTH EXCAVATION")

DRIVEWAY AND MAILBOX TURNOUT
(SEE DETAIL SHEET 80)

DRIVEWAY AND MAILBOX TURNOUT
(SEE DETAIL SHEET 80)

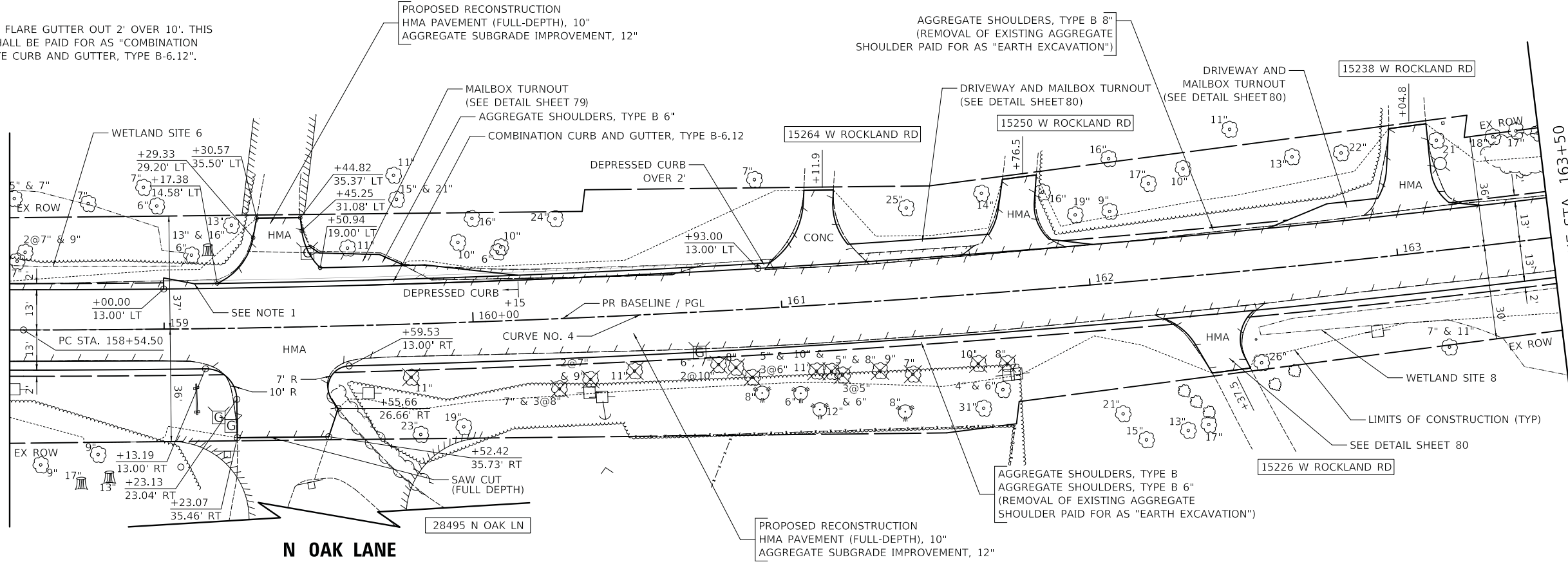
MATCHLINE STA. 163+50
SEE SHEET NO. 25

CURVE NO. 4	
P.I. STA =	161+22.82
$\Delta =$	7° 29' 19" (LT)
D =	1° 23' 51"
R =	4100.00'
T =	268.32'
L =	535.87'
E =	8.77'
e =	N.C.
P.C. STA =	158+54.50
P.T. STA =	163+90.37



PLAN	SURVEYED	DATE
PLOTTED	BY	
ALIGNED		
CHECKED		
NO.		

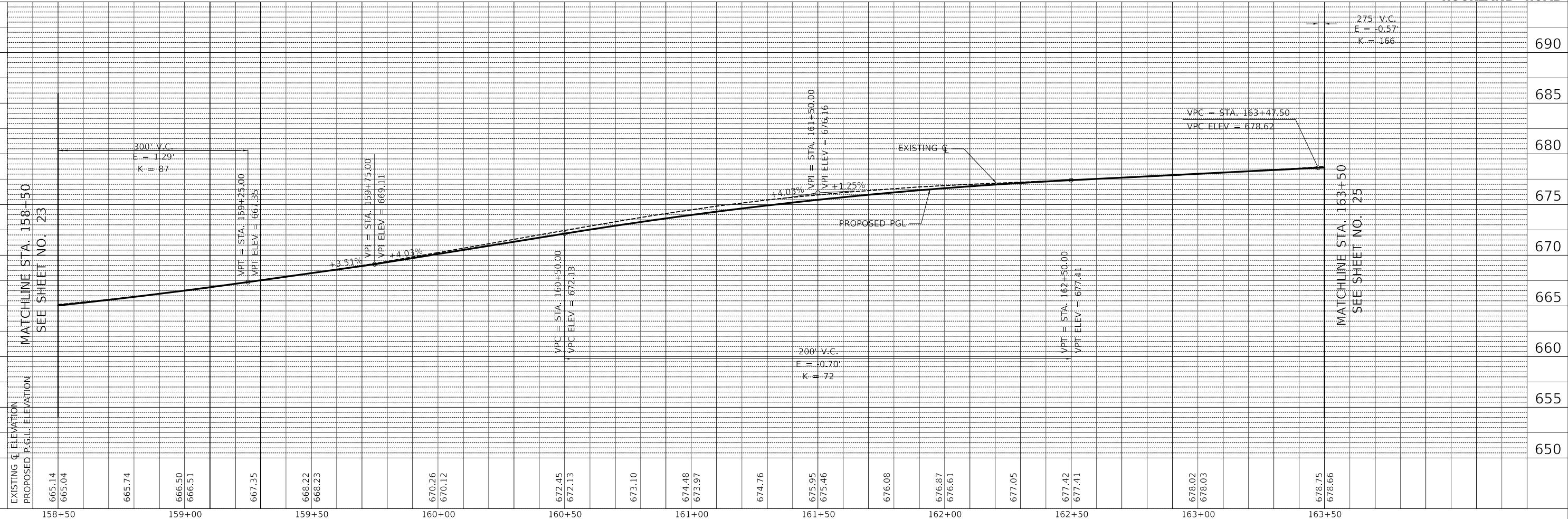
MATCHLINE STA. 158+50
SEE SHEET NO. 23



N OAK LANE

ROCKLAND ROAD

PROFILE	SURVEYED	DATE
PLOTTED	BY	
GRADES CHECKED		
NO.		



MODEL: SHODLNAME5
FILE NAME: ...07-PlanAndProfile13273.dwg

USER NAME =	djk	DESIGNED -	JAT	REVISED -	
		DRAWN -	JAT	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJK	REVISED -	
PLOT DATE =	7/3/2019	DATE -	7/08/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 20'		SHEET 6 OF 9 SHEETS		STA. 158+50 TO STA. 163+50	
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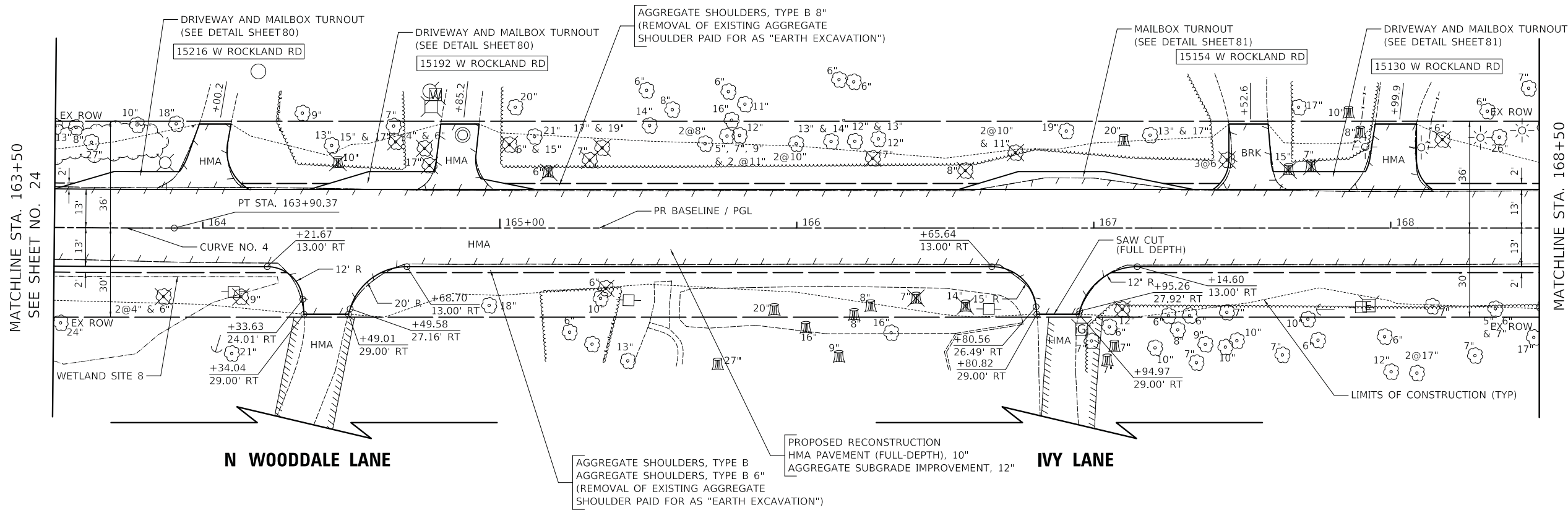
ROCKLAND ROAD
PLAN AND PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	24
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

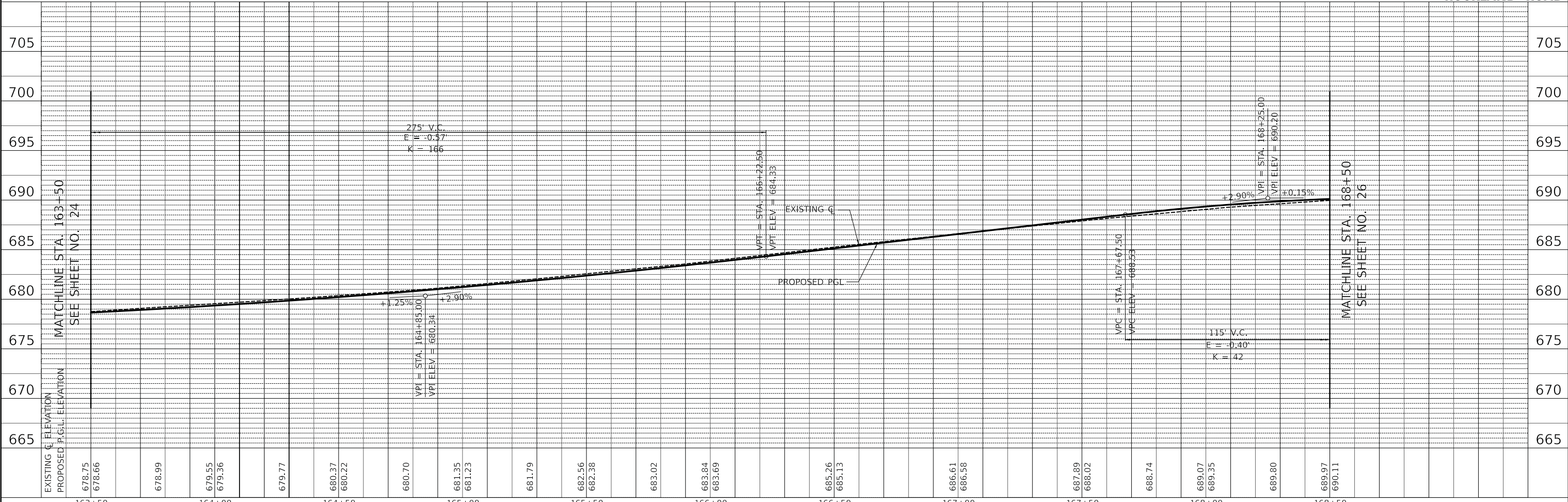
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	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	

MODEL: SHODLNAME\$
FILE NAME: ...1017-HanAndProfile13273.dwg



CURVE NO. 4	
P.I. STA =	161+22.82
$\Delta =$	7° 29' 19" (LT)
D =	1° 23' 51"
R =	4100.00'
T =	268.32'
L =	535.87'
E =	8.77'
e =	R.C.
P.C. STA =	158+54.50
P.T. STA =	163+90.37



USER NAME =	djk	DESIGNED -	JAT	REVISED -	
		DRAWN -	JAT	REVISED -	
PLOT SCALE =	20.0000' / in.	CHECKED -	DJK	REVISED -	
PLOT DATE =	7/3/2019	DATE -	7/08/2019	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

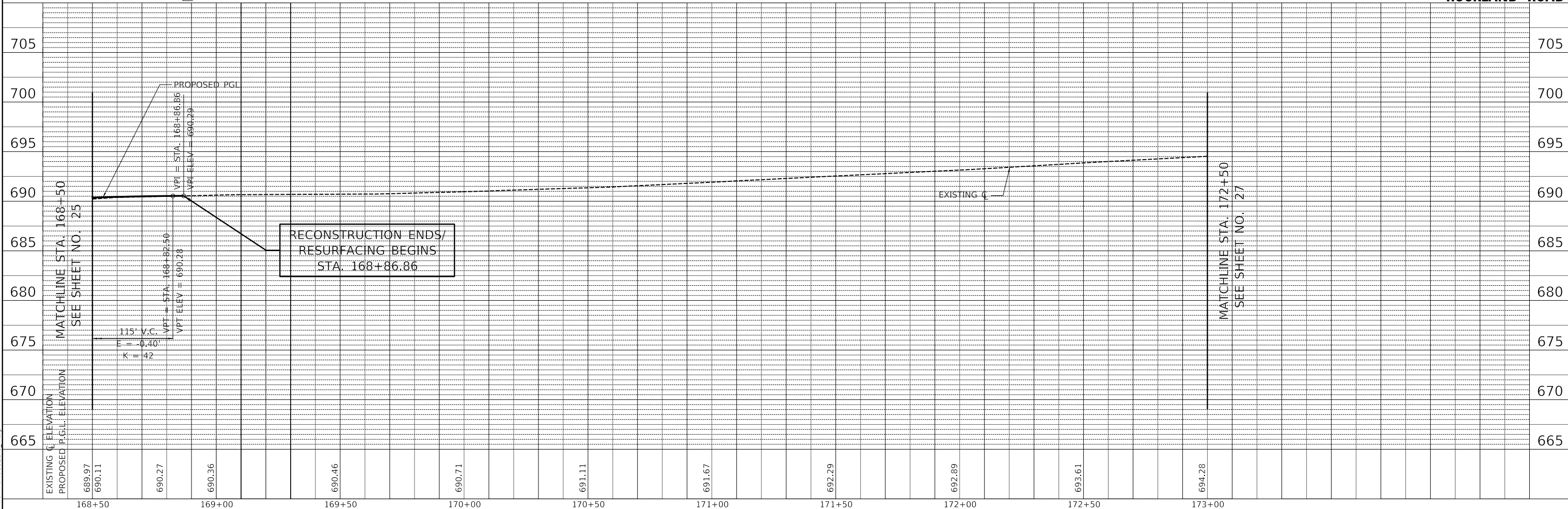
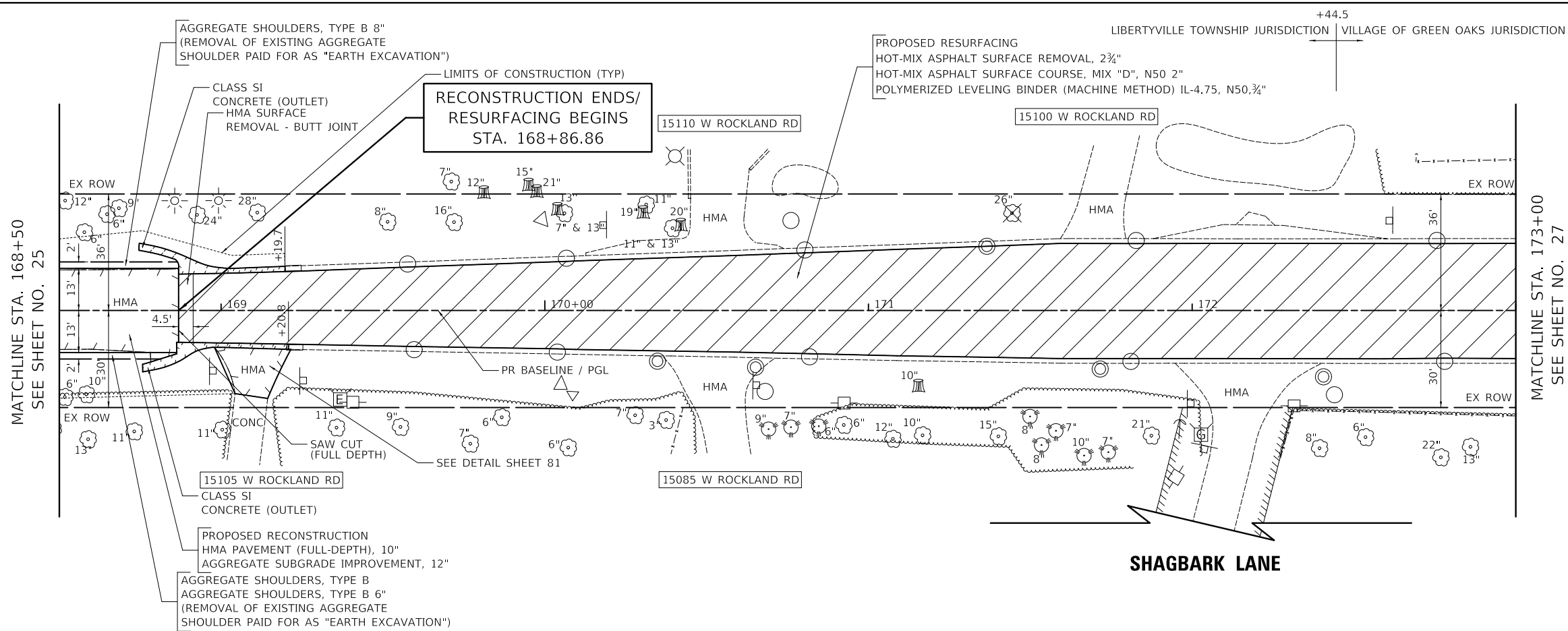
ROCKLAND ROAD PLAN AND PROFILE	
SCALE: 1" = 20'	SHEET 7 OF 9 SHEETS
STA. 163+50	TO STA. 168+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	25
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	CHECKED
	FILED	NO.
	NOTE BOOK	
	NO.	

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

MODEL: SHODLNAME\$
FILE NAME: ...012-PlanAndProfile13273.dwg



USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

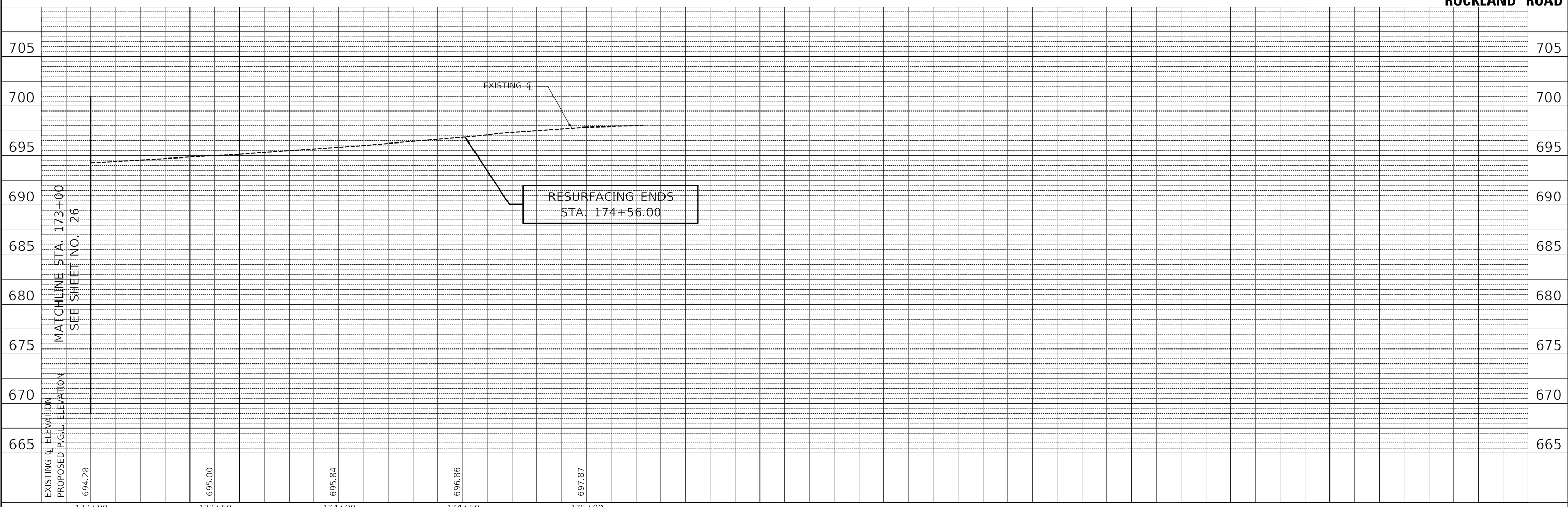
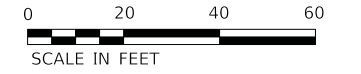
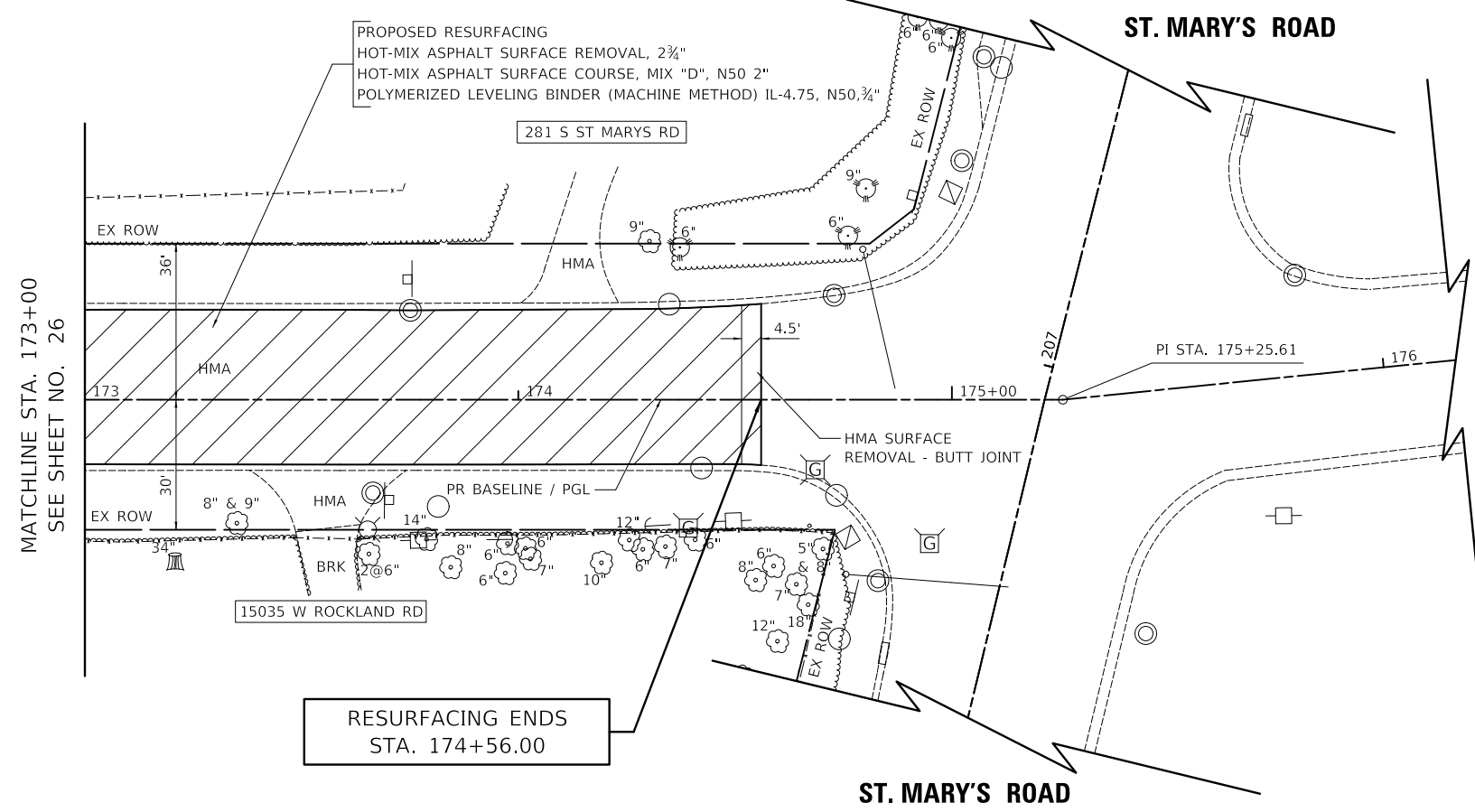
ROCKLAND ROAD PLAN AND PROFILE	
SCALE: 1" = 20'	SHEET 8 OF 9 SHEETS
STA. 168+50	TO STA. 173+00

F.A.U. RTE. 1239	SECTION 16-10130-02-WR	COUNTY LAKE	TOTAL SHEETS 106	SHEET NO. 26
CONTRACT NO. 61G00				ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	BY	DATE
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	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	NO.		

MODEL: SHODLNAME\$
FILE NAME: ...07-PlanAndProfile1373.rvt.dgn



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PLOT SCALE = 20.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 20' SHEET 9 OF 9 SHEETS STA. 173+00 TO STA. 174+56

ROCKLAND ROAD
PLAN AND PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	27
CONTRACT NO. 61G00				
ILLINOIS		FED. AID PROJECT		

PRE-STAGE (NOT SHOWN)

1. ALL SIGNING ALONG THE DETOUR ROUTE SHALL BE INSTALLED BY CONTRACT 61F75. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF SIGNING ALONG ROCKLAND ROAD WITH THE CONTRACTOR FOR CONTRACT 61F75 TO ESTABLISH THE ONE-WAY FLOW OF TRAFFIC.
2. THE CONTRACTOR SHALL CONTACT LAKE COUNTY PASSAGE AT 847-377-7000 48 HOURS IN ADVANCE OF THE LEFT TURN LANE CLOSURE ON ST. MARY'S PARKWAY IN ORDER TO DISABLE THE NORTHBOUND LEFT TURN ARROW OPERATION.
3. INSTALL ALL STORM SEWER AND DRAINAGE STRUCTURES UNDER DAILY LANE CLOSURES USING HIGHWAY STANDARD 701501. A MINIMUM OF ONE 10' THRU LANE SHALL BE MAINTAINED THROUGHOUT THE ENTIRE LENGTH OF THE PROJECT.
4. INSTALL STAGE 1 TEMPORARY PAVEMENT.
5. PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS, VERTICAL PANELS, AND BARRICADES AND SHIFT TRAFFIC FOR STAGE 1 CONSTRUCTION.

STAGE 1

1. REMOVE EXISTING PAVEMENT AND DRIVEWAYS WITHIN THE WORKZONE. MAINTAIN ACCESS TO ALL DRIVEWAYS WITH "TEMPORARY ACCESS (PRIVATE ENTRANCE)" AND SIDE ROADS WITH "TEMPORARY ACCESS (ROAD)".
2. CONSTRUCT PAVEMENT (EXCEPT SURFACE COURSE), AGGREGATE SHOULDERS (6"), AND DRIVEWAYS ON THE SOUTH SIDE OF ROCKLAND ROAD.
3. CONSTRUCT STAGE 2 TEMPORARY PAVEMENT AT EAST END OF ROCKLAND ROAD. INSTALL TEMPORARY MAILBOXES.

STAGE 2

1. PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS, VERTICAL PANELS, AND BARRICADES AND SHIFT TRAFFIC FOR STAGE 2 CONSTRUCTION.
2. REMOVE EXISTING PAVEMENT AND DRIVEWAYS WITHIN THE DEFINED WORKZONE. MAINTAIN ACCESS TO ALL DRIVEWAYS WITH "TEMPORARY ACCESS (PRIVATE ENTRANCE)" AND SIDE ROADS WITH "TEMPORARY ACCESS (ROAD)".
3. CONSTRUCT PAVEMENT (EXCEPT SURFACE COURSE), SHOULDERS, MAILBOX TURNOUTS, CURB AND GUTTER, AND DRIVEWAYS ON THE NORTH SIDE OF ROCKLAND ROAD. PLACE TOPSOIL.

STAGE 3 (NOT SHOWN)

1. REMOVE TEMPORARY PAVEMENT AND CONSTRUCT CURB OUTLET ON THE SOUTH SIDE OF ROCKLAND ROAD AT EAST RECONSTRUCTION LIMIT.
2. MILL RESURFACING SECTIONS OF ROCKLAND ROAD, USING DAILY LANE CLOSURES.
3. PLACE HOT-MIX ASPHALT SURFACE COURSE.
4. CONSTRUCT AGGREGATE SHOULDERS ON NORTH SIDE AND COMPLETE AGGREGATE SHOULDER CONSTRUCTION (2" LIFT) ON SOUTH SIDE.
5. PLACE PERMANENT PAVEMENT MARKINGS ON ROCKLAND ROAD AND ST. MARY'S ROAD.
6. REMOVE TEMPORARY SIGNS AND INSTALL PROPOSED SIGNS. OPEN ROCKLAND ROAD TO TWO-WAY TRAFFIC (TO BE COORDINATED WITH CONTRACT 61F75). THE CONTRACTOR SHALL CONTACT LAKE COUNTY PASSAGE AT 847-377-7000 48 HOURS IN ADVANCE OF THE LEFT TURN LANE RE-OPENING ON ST. MARY'S PARKWAY IN ORDER TO ENABLE THE NORTHBOUND LEFT TURN ARROW OPERATION.

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR VIA E-MAIL AT KALPANA.KANNAN-HOSDURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
2. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
3. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
4. ALL CONSTRUCTION SIGNS SHALL HAVE FLUORESCENT ORANGE BACKGROUNDS.
5. ALL SIGNS SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.
6. BARRICADES WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS. SPACING SHALL BE AS SHOWN ON THE CONSTRUCTION STAGING PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
7. BARRICADES SHALL BE PLACED AT 50' C-C ALONG TANGENTS, 10' C-C IN CURVES AND RADII, AND 20' C-C IN TAPERS.
8. DRUMS AND BARRICADES SHALL MEET THE REQUIREMENTS OF THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 350 AND THE STANDARD SPECIFICATIONS.
9. TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
10. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST TWO WEEKS IN ADVANCE OF THE CHANGE.
11. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED. ANY DAMAGE CAUSED BY HIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
12. THE FIRST TWO WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.
13. EXCEPT FOR APPROVED CLOSURES AS DEPICTED ON THE MAINTENANCE OF TRAFFIC PLANS, ALL ROADS SHALL BE KEPT OPEN TO TRAFFIC DURING THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR MAY CLOSE ONE LANE OF TRAFFIC (BECAUSE OF CONSTRUCTION) ONLY BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM.

WHEN NECESSARY TO CLOSE ONE LANE OF THE ROADWAY ON TWO-LANE ROADS, THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC DURING THE RESTRICTED HOURS WITH THE USE OF SIGNS AND FLAGGERS AS SHOWN ON THE TRAFFIC CONTROL STANDARDS. WHEN NECESSARY TO CLOSE ONE LANE OF THE ROADWAY ON FOUR-LANE ROADS, THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC DURING THE RESTRICTED HOURS WITH THE USE OF SIGNS AND BARRICADES AS SHOWN ON THE TRAFFIC CONTROL STANDARDS. ALL EXISTING LANES OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED BETWEEN 3:00 PM AND 9:00 AM WHEN NO CONSTRUCTION ACTIVITIES ARE BEING CARRIED ON. THE ENGINEER MAY WAIVE THE LANE CLOSURE TIME RESTRICTION AT HIS DISCRETION. THE CONTRACTOR SHALL LIMIT ANY DROP-OFF BETWEEN LANES TO 2" DURING ANY OVERNIGHT PERIOD.

14. "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT FOR MORE THAN ONE HOUR. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.
15. "FRESH OIL" SIGNS (W21-2(O)-4848) WITH DATE SIGNS SHALL BE ERECTED 48 HOURS PRIOR TO PRIMING. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
16. THE CONTRACTOR SHALL ERECT TEMPORARY STREET NAME SIGNS ON METAL POSTS THROUGHOUT CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
17. EXISTING TRAFFIC CONTROL DEVICES ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE CAUSED BY HIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE CONTRACT.
18. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED ON ALL SURFACES OUTSIDE OF THE PROJECT LIMITS AND ON THE FINAL PAVEMENT SURFACE.

CONFLICTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND PAID FOR AS "PAVEMENT MARKING REMOVAL - GRINDING". CONFLICTING PAVEMENT MARKINGS OUTSIDE THE PROJECT LIMITS SHALL BE REMOVED AND PAID FOR AS "PAVEMENT MARKING REMOVAL - WATER BLASTING".

MAINTENANCE OF TRAFFIC GENERAL NOTES

19. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES, AND SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
20. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, DRUMS, WARNING LIGHTS, AND SIGNS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
21. QUANTITIES FOR SHORT-TERM PAVEMENT MARKINGS, SHORT-TERM PAVEMENT MARKING REMOVAL, TEMPORARY PAVEMENT MARKINGS, AND TEMPORARY PAVEMENT MARKING REMOVAL ARE NOT INCLUDED IN THE ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)" AND SHALL BE MEASURED SEPARATELY FOR PAYMENT.

CONSTRUCTION REQUIREMENTS

1. ALL WORK SHALL BE IN ACCORDANCE WITH IDOT'S SAFETY ENGINEERING POLICY MEMORANDUM, SAFETY 4-15. "UNEVEN LANE" SIGNS (W8-1-4848) SHALL BE PLACED AT THE INTERVALS REQUIRED BY THE ENGINEER WHEN TRAFFIC IS ON PAVEMENT WITHOUT SURFACE COURSE AND ADJACENT TO SURFACED PAVEMENT. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION (SPECIAL)."



W21-2(O)
48"X48"



W8-1(O)
48"X48"

TO BE PLACED AS DIRECTED BY THE ENGINEER

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FILE NAME: ...00940103273.MDT_TTP.dgn

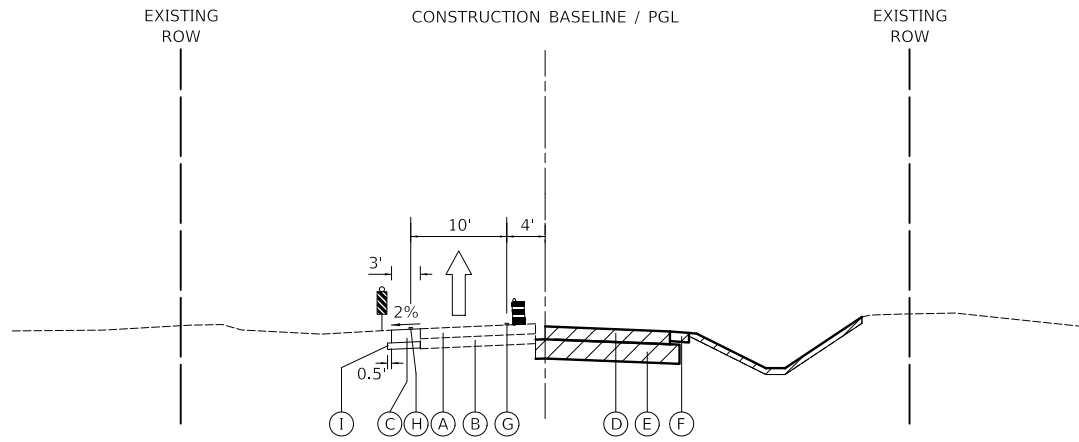
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	DRAWN - JAT	REVISED -
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
MAINTENANCE OF TRAFFIC GENERAL NOTES**

SCALE: NTS SHEET 1 OF 1 SHEETS

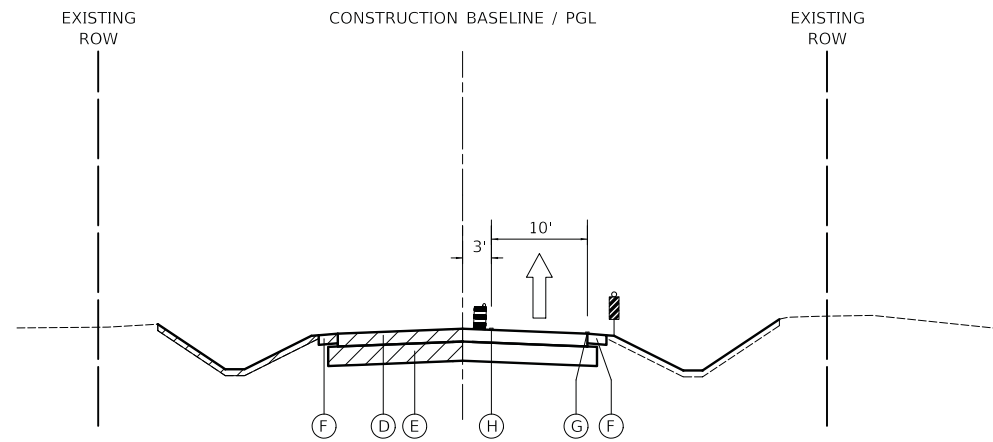
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	28
ILLINOIS			CONTRACT NO. 61G00	
FED. AID PROJECT				



STAGE 1 – ROCKLAND ROAD
LOOKING EAST

PROPOSED LEGEND

- (A) EXISTING PAVEMENT
- (B) EXISTING AGGREGATE BASE
- (C) TEMPORARY PAVEMENT
- (D) PROPOSED HMA BINDER
- (E) PROPOSED AGGREGATE SUBGRADE
- (F) PROPOSED AGGREGATE SHOULDERS
- (G) LINE 4" WHITE
- (H) LINE 4" YELLOW
- (I) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- VERTICAL PANELS
- DRUMS
- TRAFFIC FLOW
- CONSTRUCTION ZONE



STAGE 2 – ROCKLAND ROAD
LOOKING EAST

MODEL: 6100ELMAME
FILE NAME: ...016-10130-02-WR_MGT_TYP.dgn

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

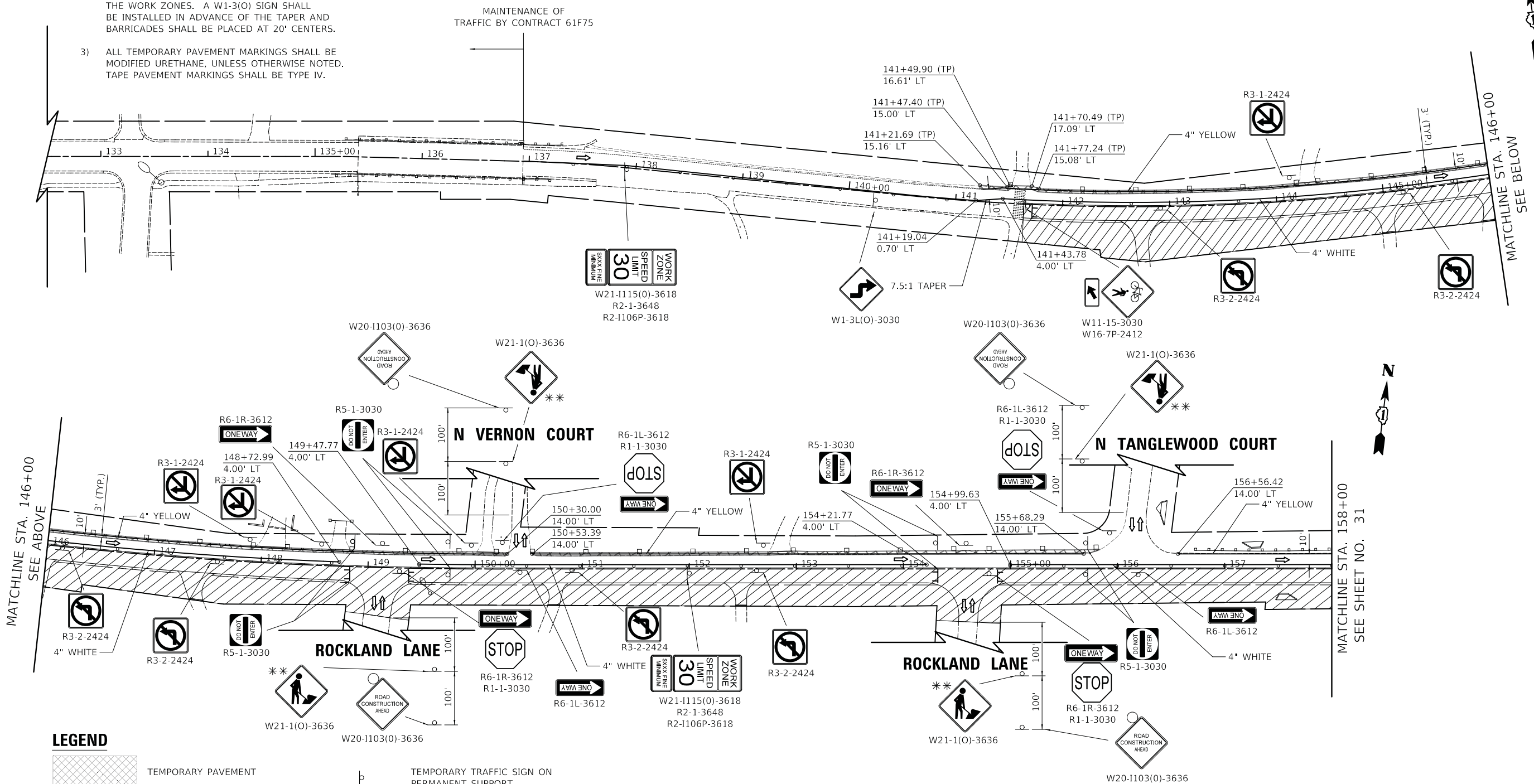
**ROCKLAND ROAD
MAINTENANCE OF TRAFFIC – TYPICAL SECTIONS**

SCALE: NTS SHEET 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	29
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G00	

NOTES:

- 1) W20-1103(O) AND W21-1(O) SIGNS SHALL BE INSTALLED IN ADVANCE OF THE WORK ZONE IF THE TRAFFIC CONTROL FOR CONTRACT 61F75 IS NOT IN PLACE.
- 2) IF THE TRAFFIC LANE FROM CONTRACT 61F75 DOES NOT ALIGN WITH THE TRAFFIC LANE FOR THIS CONTRACT, THE CONTRACTOR SHALL PLACE TEMPORARY PAVEMENT MARKINGS AT A 7.5:1 TAPER RATE TO SHIFT TRAFFIC BETWEEN THE WORK ZONES. A W1-3(O) SIGN SHALL BE INSTALLED IN ADVANCE OF THE TAPER AND BARRICADES SHALL BE PLACED AT 20' CENTERS.
- 3) ALL TEMPORARY PAVEMENT MARKINGS SHALL BE MODIFIED URETHANE, UNLESS OTHERWISE NOTED. TAPE PAVEMENT MARKINGS SHALL BE TYPE IV.
- 4) DETOUR SIGNING FOR THIS STAGE NOT SHOWN ON THESE SHEETS TO BE INSTALLED BY CONTRACT 61F75.
- 5) CALL-OUTS DESIGNATED WITH (TP) REFER TO EDGES OF PROPOSED TEMPORARY PAVEMENT.



LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- DRUMS
- VERTICAL PANEL
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- DIRECTION OF TRAVEL
- MUST BE REMOVED OR COVERED WHEN FLAGGERS/WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR
- ARROW BOARD



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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCKLAND ROAD
MAINTENANCE OF TRAFFIC PLAN - STAGE 1










SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 132+50 TO STA. 158+00

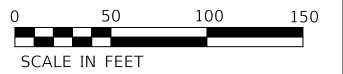
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	30
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

ROCKLAND ROAD

- NOTES:
- 1) TRAFFIC CONTROL ON ST. MARY'S ROAD SHALL BE PER LAKE COUNTY STANDARD LC7003 (SEE SHEET NO. 74)
 - 2) REMOVE CONFLICTING ARROW AND ONLY SYMBOLS ON SOUTHBOUND ST. MARY'S ROAD.

LEGEND

-  TEMPORARY PAVEMENT
-  WORK ZONE
-  DRUMS
-  VERTICAL PANEL
-  TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
-  TYPE III BARRICADE
-  DIRECTION OF TRAVEL
-  MUST BE REMOVED OR COVERED WHEN FLAGGERS/WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR
-  ARROW BOARD



ROCKLAND ROAD

USER NAME = djk	DESIGNED - JAT	REVISED -
DRAWN - JAT	REVISED -	
PLOT SCALE = 50.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROCKLAND ROAD MAINTENANCE OF TRAFFIC PLAN - STAGE 1	
SCALE: 1" = 50'	SHEET 2 OF 2 SHEETS STA. 158+00 TO STA. 177+09.81

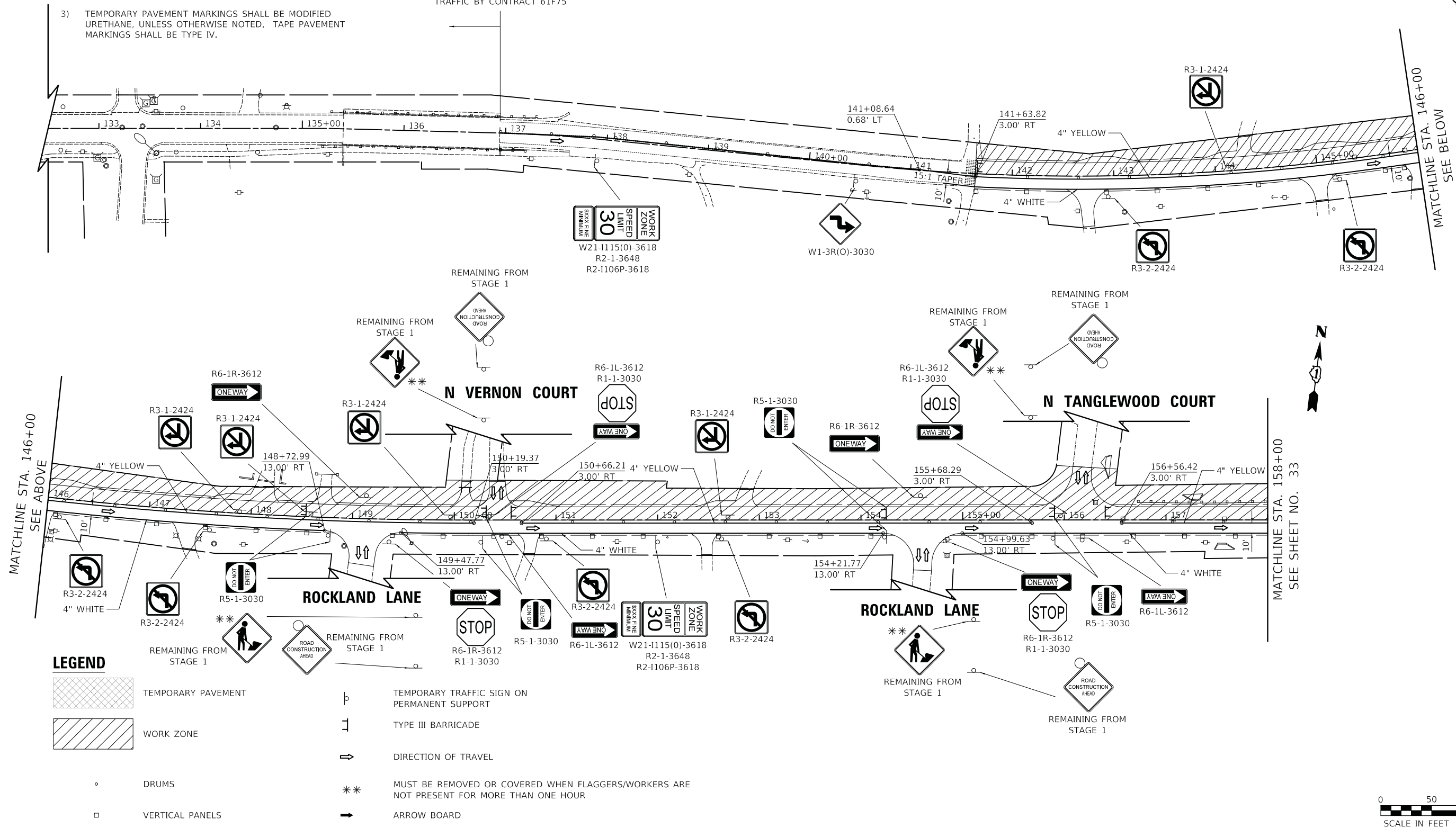
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	31
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

MODEL: S:\MODEL\NAMES FILE NAME: ...C:\BMDT\3273.MGT_01.dgn

NOTES:

- 1) W20-1-103(O) AND W21-1(O) SIGNS SHALL BE INSTALLED IN ADVANCE OF THE WORK ZONE IF THE TRAFFIC CONTROL FOR CONTRACT 61F75 IS NOT IN PLACE.
- 2) IF THE TRAFFIC LANE FROM CONTRACT 61F75 DOES NOT ALIGN WITH THE TRAFFIC LANE FOR THIS CONTRACT, THE CONTRACTOR SHALL PLACE TEMPORARY PAVEMENT MARKINGS AT A 7.5:1 TAPER RATE TO SHIFT TRAFFIC BETWEEN THE WORK ZONES. A W1-3(O) SIGN SHALL BE INSTALLED IN ADVANCE OF THE TAPER AND BARRICADES SHALL BE PLACED AT 20' CENTERS.
- 3) TEMPORARY PAVEMENT MARKINGS SHALL BE MODIFIED URETHANE, UNLESS OTHERWISE NOTED. TAPE PAVEMENT MARKINGS SHALL BE TYPE IV.
- 4) THE REMOVAL OF MODIFIED URETHANE PAVEMENT MARKINGS, WHEN REQUIRED FOR TRAFFIC STAGING CHANGES, SHALL BE PAID FOR AS "TEMPORARY PAVEMENT MARKING REMOVAL".
- 5) DETOUR SIGNING FOR THIS STAGE NOT SHOWN ON THESE SHEETS TO BE INSTALLED BY CONTRACT 61F75.
- 6) CALL-OUTS DESIGNATED WITH (TP) REFER TO EDGES OF PROPOSED TEMPORARY PAVEMENT.

MAINTENANCE OF TRAFFIC BY CONTRACT 61F75



LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- DRUMS
- VERTICAL PANELS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- DIRECTION OF TRAVEL
- MUST BE REMOVED OR COVERED WHEN FLAGGERS/WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR
- ARROW BOARD

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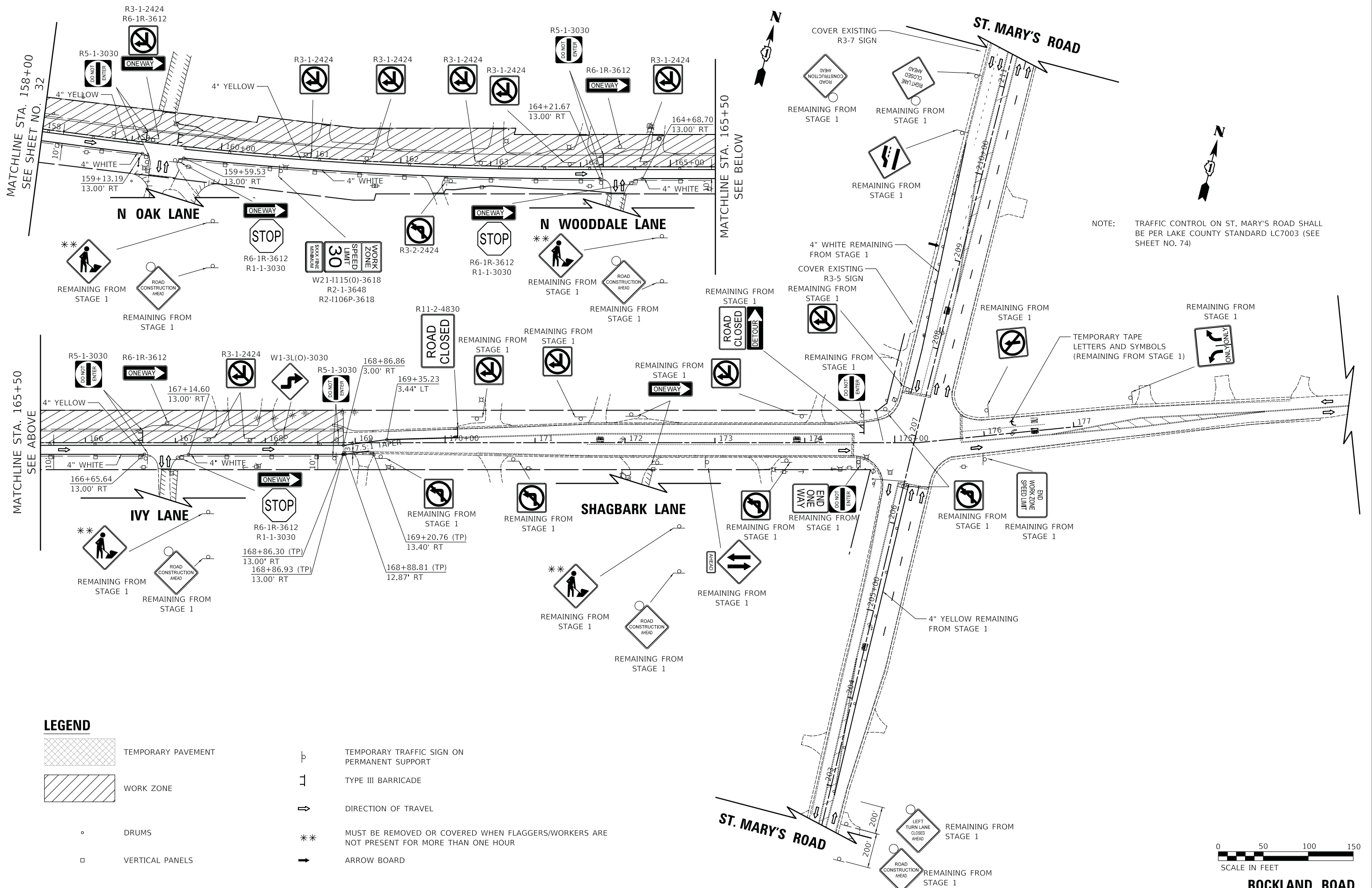
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCKLAND ROAD		
MAINTENANCE OF TRAFFIC PLAN - STAGE 2		
SCALE: 1" = 50'	SHEET 1 OF 2 SHEETS	STA. 132+50 TO STA. 158+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	32
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

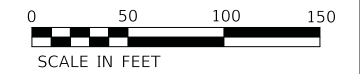
ROCKLAND ROAD



NOTE: TRAFFIC CONTROL ON ST. MARY'S ROAD SHALL BE PER LAKE COUNTY STANDARD LC7003 (SEE SHEET NO. 74)

LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- DRUMS
- VERTICAL PANELS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- DIRECTION OF TRAVEL
- MUST BE REMOVED OR COVERED WHEN FLAGGERS/WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR
- ARROW BOARD



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
MAINTENANCE OF TRAFFIC PLAN - STAGE 2**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 158+00 TO STA. 177+09.81

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	33
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

ROCKLAND ROAD

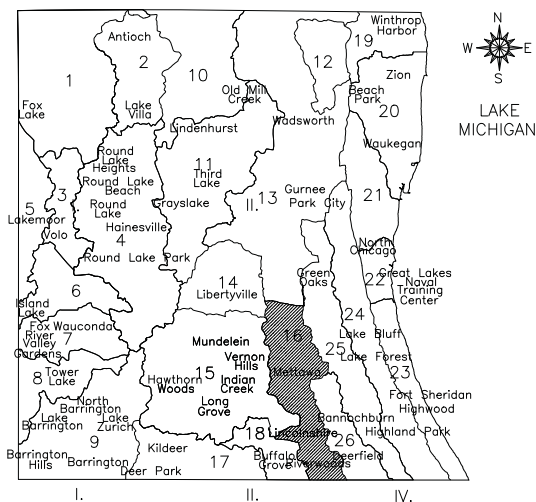
SOIL EROSION AND SEDIMENT CONTROL GENERAL NOTES

LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
SEDIMENTATION AND EROSION CONTROL NOTES

THIS PROJECT DISTURBS 4.1 ACRES OF TOTAL LAND AREA,
COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION
SYSTEM (NPDES) STORMWATER PERMIT IS ONLY NECESSARY IF A
PROJECT DISTURBS 1.0 OR MORE ACRES OF TOTAL LAND AREA; AN
NPDES PERMIT IS REQUIRED FOR THIS PROJECT.

DRAINAGE BASINS OF LAKE COUNTY

- I. FOX RIVER WATERSHED
 - 1. Upper Fox River
 - 2. Sequoit Creek
 - 3. Fish Lake Drain
 - 4. Squaw Creek
 - 5. Lower Fox River
 - 6. Mutton Creek
 - 7. Slocum Lake Drain
 - 8. Tower Lake Drain
 - 9. Flint Creek
- II. DES PLAINES RIVER WATERSHED
 - 10. North Mill Creek
 - 11. Mill Creek
 - 12. Newport Drainage Ditch
 - 13. Upper Des Plaines River
 - 14. Bull Creek
 - 15. Indian Creek
 - 16. Lower Des Plaines River
 - 17. Buffalo Creek
 - 18. Aptakisic Creek
- III. LAKE MICHIGAN WATERSHED
 - 19. Kellogg Creek
 - 20. Dead River
 - 21. Waukegan River
 - 22. Pettibone Creek
 - 23. Bluff/Ravine
- IV. CHICAGO RIVER WATERSHED
 - 24. Skokle River
 - 25. Middie Fork
 - 26. West Fork



SMC TYPICAL CONSTRUCTION SEQUENCE (PER STAGE)

- 1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
 - A. SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
 - B. SILT FENCE INSTALLATION
 - C. CONSTRUCTION FENCING AROUND AREAS NOT TO BE DISTURBED
 - D. STABILIZED CONSTRUCTION ENTRANCE
- 2. TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB)
- 3. CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS, ETC.)
- ~~4. CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR & TEMPORARY PERFORATED RISER~~
- 5. STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE
- 6. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE)
- 7. INSTALL STORM SEWER, SANITARY SEWER, WATER AND ASSOCIATED INLET & OUTLET PROTECTION
- ~~8. PERMANENTLY STABILIZE DETENTION BASIN WITH SEED AND EROSION CONTROL BLANKET~~
- 9. TEMPORARILY STABILIZE ALL AREAS INCLUDING LOTS THAT HAVE REACHED TEMPORARY GRADE
- ~~10. INSTALL RETAINING WALLS. FILL PLACEMENT ALONG THE WALLS SHALL ONLY OCCUR AFTER THE WALL HAS BEEN CONSTRUCTED TO PREVENT THE MIGRATION OF SEDIMENT OUTSIDE OF THE PROJECT LIMITS.~~
- 11. INSTALL ROADWAYS
- ~~12. PERMANENTLY STABILIZE ALL OUTLOT AREAS~~
- ~~13. INSTALL STRUCTURES AND GRADE INDIVIDUAL LOTS~~
- ~~14. PERMANENTLY STABILIZE LOTS~~
- 15. REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION

*SOIL EROSION AND SEDIMENT CONTROL INSPECTIONS MUST OCCUR AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OR THE END OF THE FOLLOWING BUSINESS DAY OF A 1/2" OR GREATER RAINFALL EVENT.

ESTIMATED QUANTITIES:

1,097 CU YD 931 SQ YD 2.25 ACRE 9,431 SQ YD 160 POUND 416 FEET 1,787 FEET 16 EACH 7,653 SQ YD	TOPSOIL EXCAVATION AND PLACEMENT TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 1A EROSION CONTROL BLANKET TEMPORARY EROSION CONTROL SEEDING TEMPORARY DITCH CHECKS PERIMETER EROSION BARRIER INLET FILTERS TEMPORARY EROSION CONTROL BLANKET
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- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PREFORMED, AT A MINIMUM:
 - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

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





**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

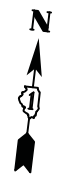
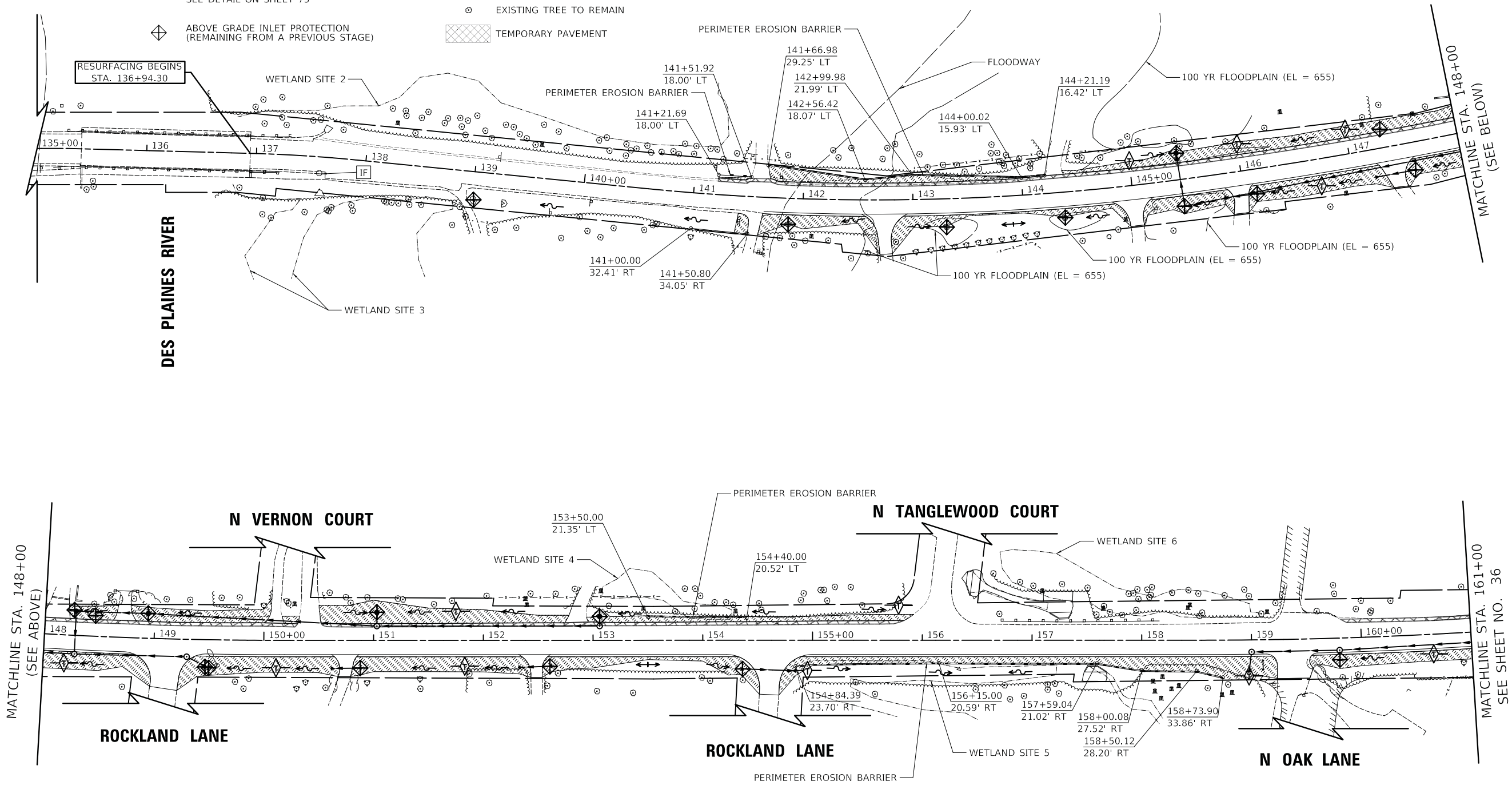
**ROCKLAND ROAD
SOIL EROSION AND SEDIMENT CONTROL GENERAL NOTES**

SHEET 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	34
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

LEGEND

-  TEMPORARY EROSION CONTROL SEEDING
-  PERIMETER EROSION BARRIER
-  PERIMETER EROSION BARRIER (REMAINING FROM PREVIOUS STAGE)
-  ABOVE GRADE INLET PROTECTION (PAID FOR AS 16' PERIMETER EROSION BARRIER) SEE DETAIL ON SHEET 75
-  ABOVE GRADE INLET PROTECTION (REMAINING FROM A PREVIOUS STAGE)
-  TEMPORARY DITCH CHECK
-  TEMPORARY DITCH CHECK (REMAINING FROM A PREVIOUS STAGE)
-  INLET FILTER
-  INLET FILTER (REMAINING FROM A PREVIOUS STAGE)
-  EXISTING TREE TO REMAIN
-  TEMPORARY PAVEMENT



ROCKLAND ROAD

MODEL: 4400\BENAMES FILE: NAME: 13723_ERO_S1.dgn

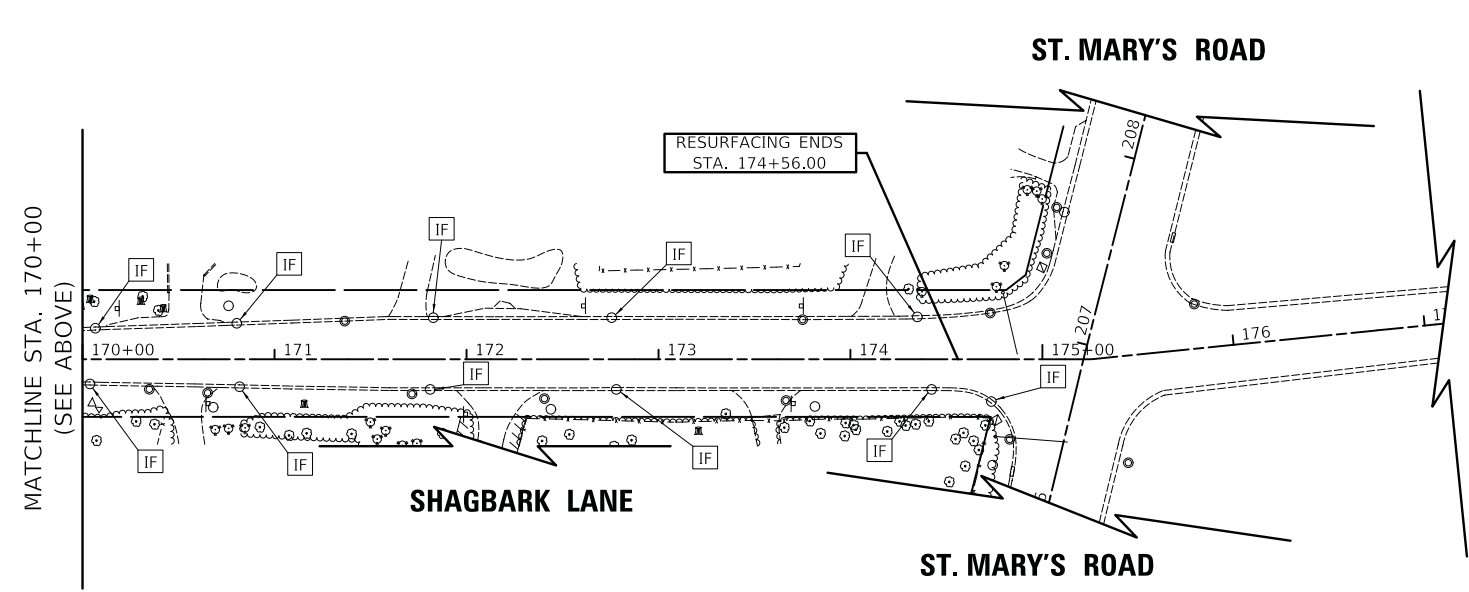
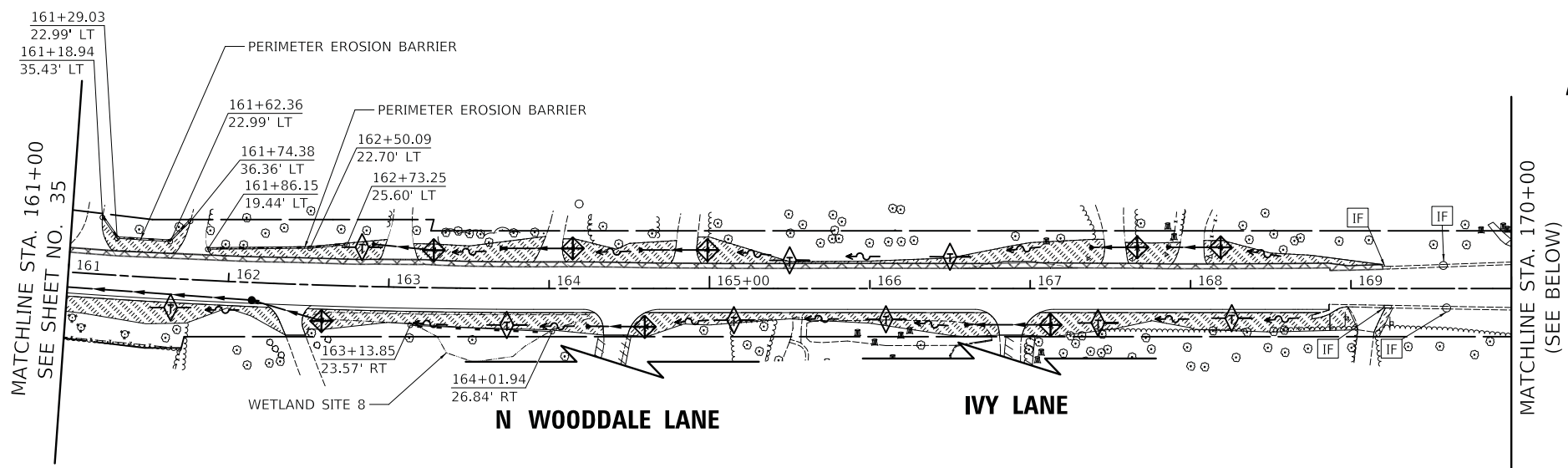
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
EROSION CONTROL PLAN - PRE-STAGE & STAGE 1**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 135+00 TO STA. 161+00

F.A.U. RTE. 1239	SECTION 16-10130-02-WR	COUNTY LAKE	TOTAL SHEETS 106	SHEET NO. 35
CONTRACT NO. 61G00			ILLINOIS FED. AID PROJECT	



LEGEND

- TEMPORARY EROSION CONTROL SEEDING
- TEMPORARY EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- PERIMETER EROSION BARRIER (REMAINING FROM PREVIOUS STAGE)
- ABOVE GRADE INLET PROTECTION (PAID FOR AS 16' PERIMETER EROSION BARRIER) SEE DETAIL ON SHEET 75
- ABOVE GRADE INLET PROTECTION (REMAINING FROM A PREVIOUS STAGE)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK (REMAINING FROM A PREVIOUS STAGE)
- INLET FILTER
- INLET FILTER (REMAINING FROM A PREVIOUS STAGE)
- EXISTING TREE TO REMAIN
- TEMPORARY PAVEMENT



MODEL: 6400/EROSION
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**












**ROCKLAND ROAD
EROSION CONTROL PLAN - PRE-STAGE & STAGE 1**

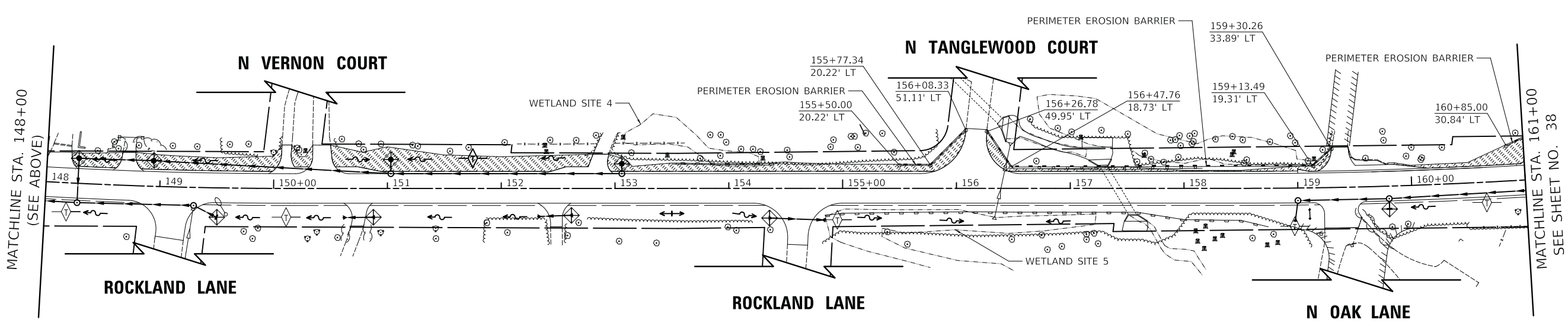
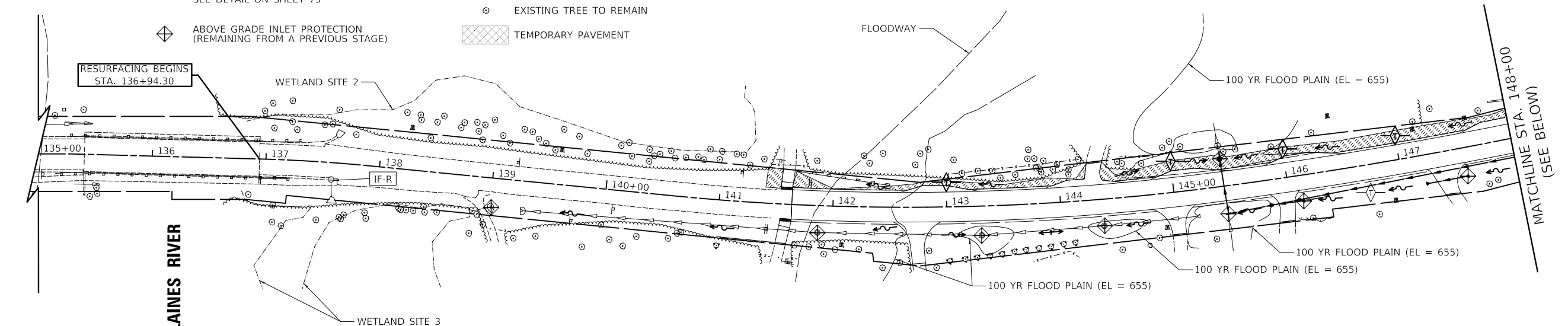
SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 161+00 TO STA. 177+09.81

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	36
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

ROCKLAND ROAD

LEGEND

-  TEMPORARY EROSION CONTROL SEEDING
-  PERIMETER EROSION BARRIER
-  PERIMETER EROSION BARRIER (REMAINING FROM PREVIOUS STAGE)
-  ABOVE GRADE INLET PROTECTION (PAID FOR AS 16' PERIMETER EROSION BARRIER) SEE DETAIL ON SHEET 75
-  ABOVE GRADE INLET PROTECTION (REMAINING FROM A PREVIOUS STAGE)
-  TEMPORARY DITCH CHECK
-  TEMPORARY DITCH CHECK (REMAINING FROM A PREVIOUS STAGE)
-  INLET FILTER
-  INLET FILTER (REMAINING FROM A PREVIOUS STAGE)
-  EXISTING TREE TO REMAIN
-  TEMPORARY PAVEMENT



ROCKLAND ROAD

MODEL: 4400\BEN\NAME\FILE: NAME - 131723_ERO_S2.dwg

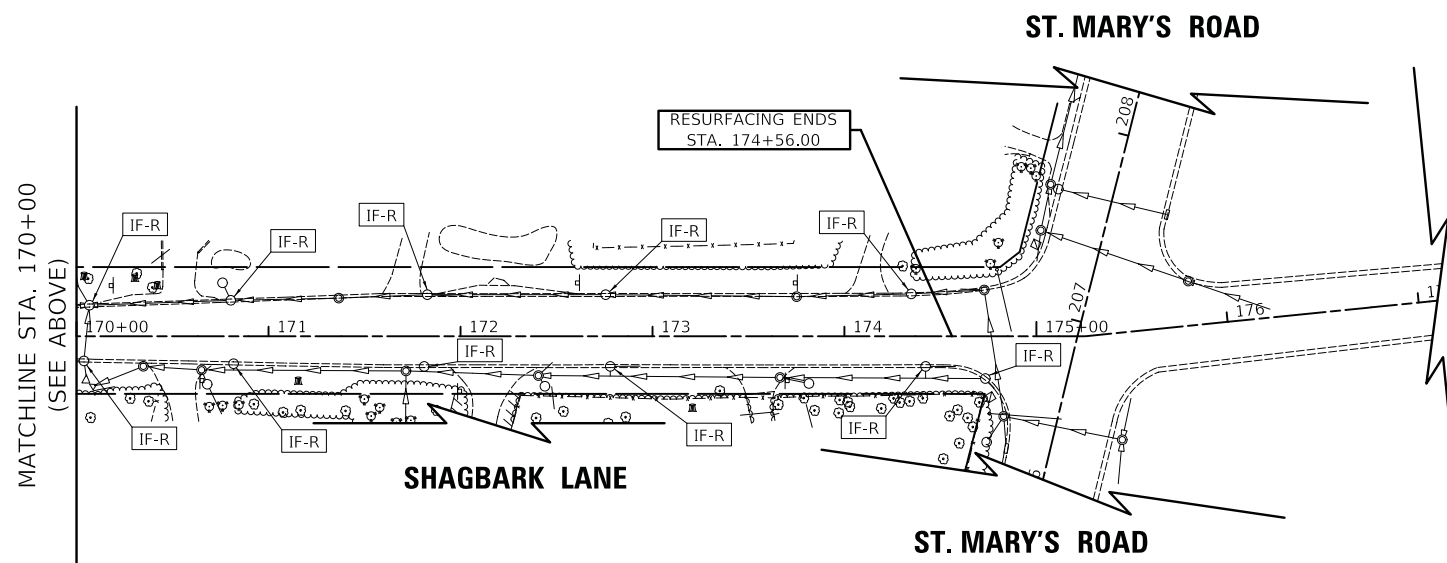
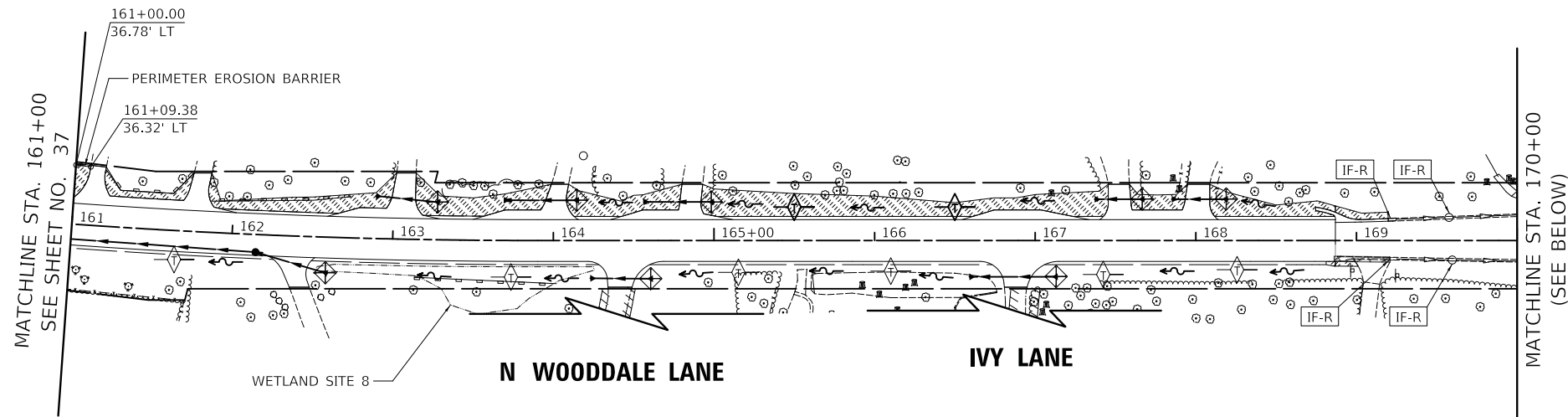
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	DRAWN - JAT	REVISED -
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
EROSION CONTROL PLAN - STAGE 2**

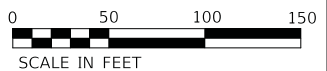
SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 135+00 TO STA. 161+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	37
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



LEGEND

- TEMPORARY EROSION CONTROL SEEDING
TEMPORARY EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- PERIMETER EROSION BARRIER
(REMAINING FROM PREVIOUS STAGE)
- ABOVE GRADE INLET PROTECTION
(PAID FOR AS 16' PERIMETER EROSION BARRIER)
SEE DETAIL ON SHEET 75
- ABOVE GRADE INLET PROTECTION
(REMAINING FROM A PREVIOUS STAGE)
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK
(REMAINING FROM A PREVIOUS STAGE)
- INLET FILTER
- INLET FILTER
(REMAINING FROM A PREVIOUS STAGE)
- EXISTING TREE TO REMAIN
- TEMPORARY PAVEMENT



ROCKLAND ROAD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCKLAND ROAD
EROSION CONTROL PLAN - STAGE 2

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	38
CONTRACT NO. 61G00				

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 161+00 TO STA. 177+09.81

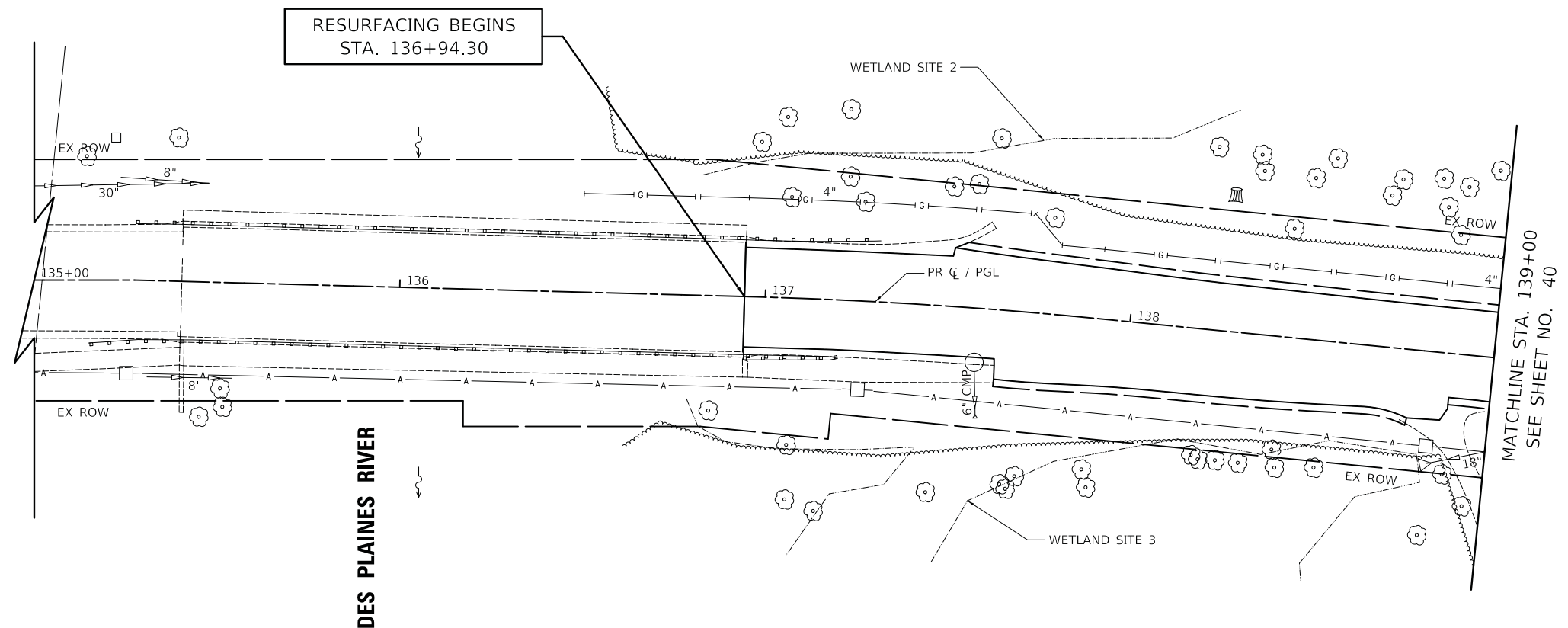
ILLINOIS FED. AID PROJECT

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

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

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

MODEL: SH06L2M2M05
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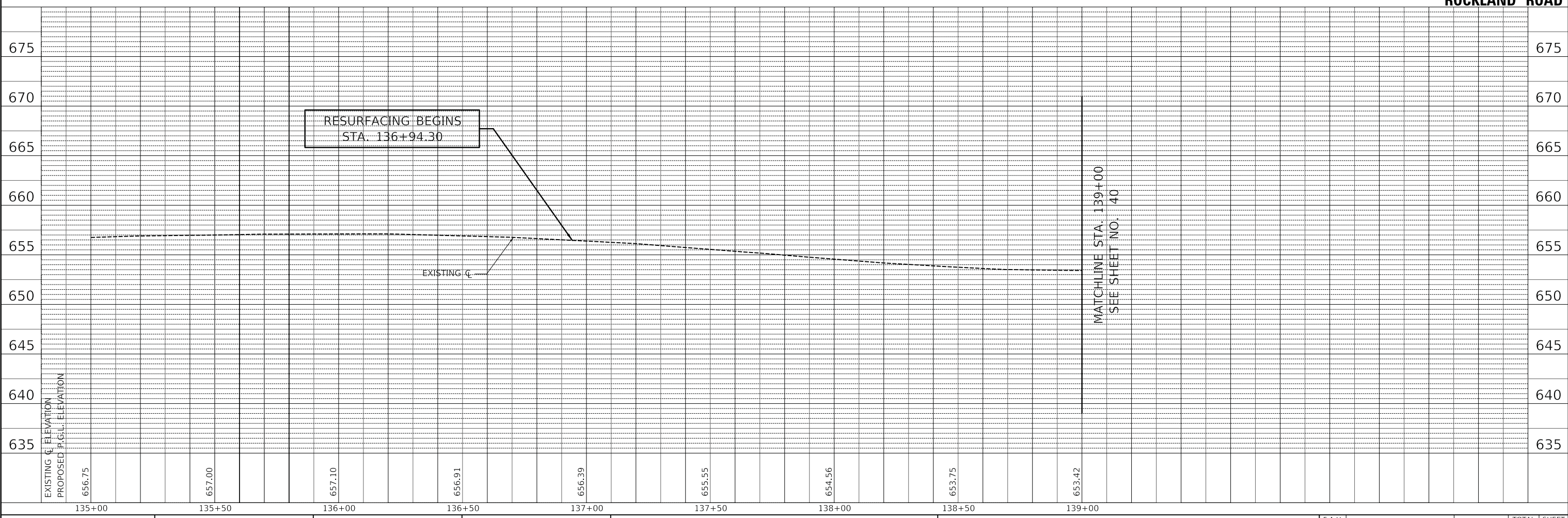


- NOTES:
- EXISTING PIPES ARE RCP, UNLESS OTHERWISE NOTED.
 - THE FLAT SLAB TOPS OR CONES OF STRUCTURES SHOWN AT 11' OR 13' LT OR RT SHALL BE ROTATED SUCH THAT THE FRAME AND LID WILL FALL WITHIN THE PAVED SHOULDER.



LEGEND

- PIPE UNDERDRAINS, TYPE 2, 4"
- CONCRETE HEADWALL FOR PIPE UNDERDRAINS



USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
DRAINAGE AND UTILITIES**

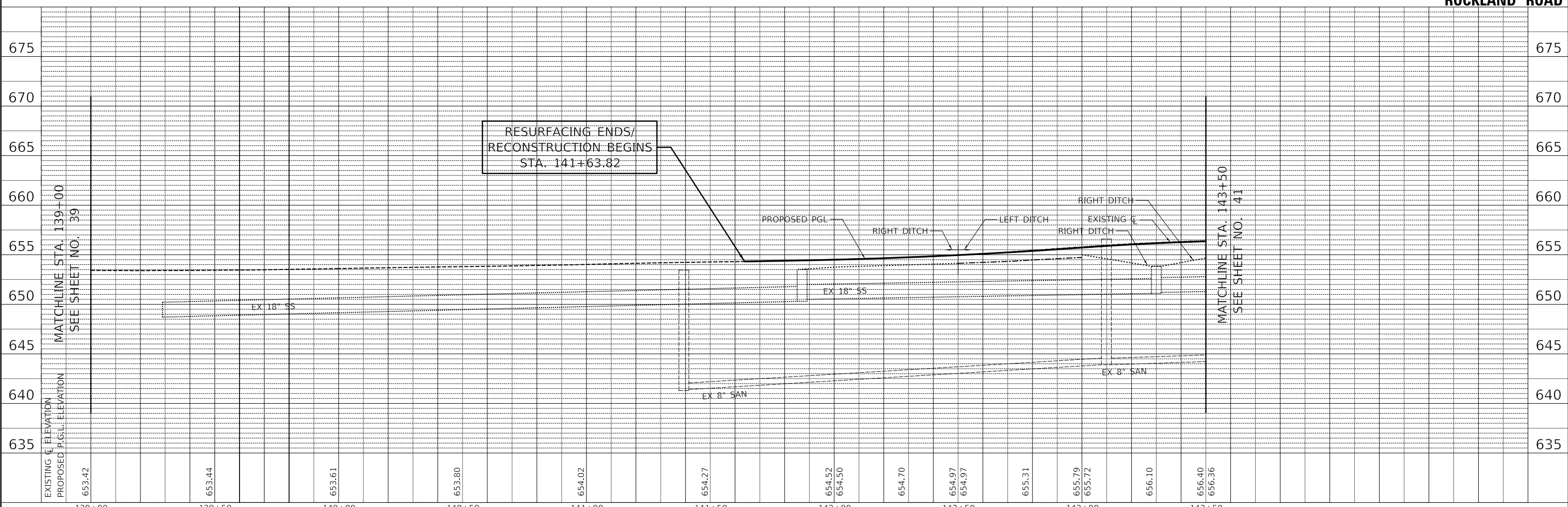
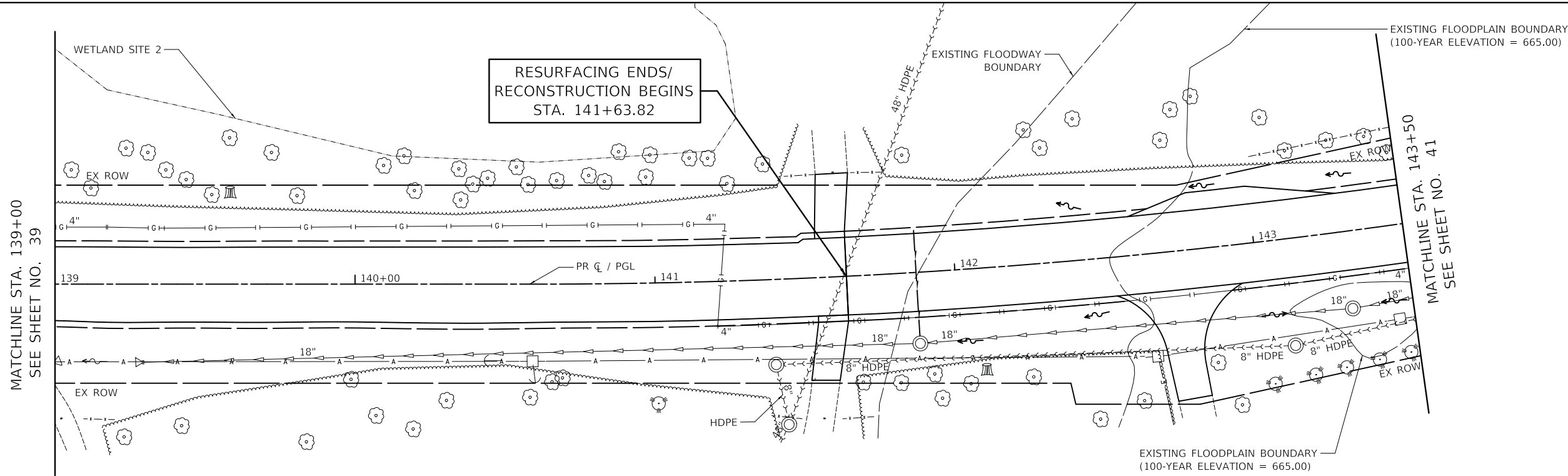
SCALE: 1" = 20' SHEET 1 OF 14 SHEETS STA. 135+00 TO STA. 139+00

F.A.U. RTE. 1239	SECTION 16-10130-02-WR	COUNTY LAKE	TOTAL SHEETS 106	SHEET NO. 39
CONTRACT NO. 61G00				
ILLINOIS		FED. AID PROJECT		

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	

MODEL: SHODENAMES
FILE NAME: ...3273.dwg



ROCKLAND ROAD

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

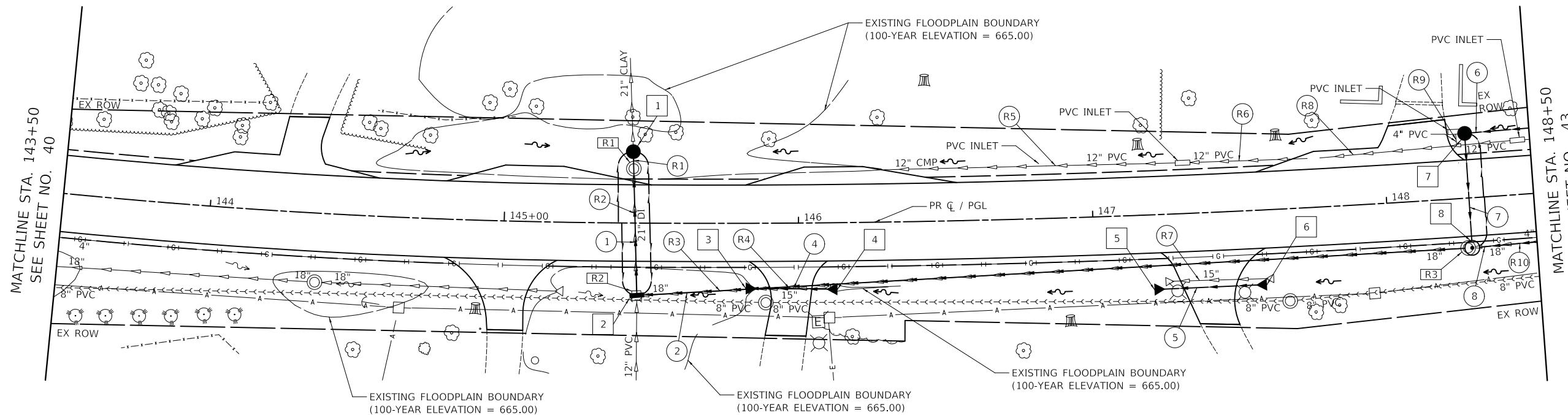
ROCKLAND ROAD DRAINAGE AND UTILITIES	
SCALE: 1" = 20'	SHEET 2 OF 14 SHEETS
STA. 139+00 TO STA. 143+50	

F.A.U. RTE. 1239	SECTION 16-10130-02-WR	COUNTY LAKE	TOTAL SHEETS 106	SHEET NO. 40
CONTRACT NO. 61G00				
ILLINOIS		FED. AID PROJECT		

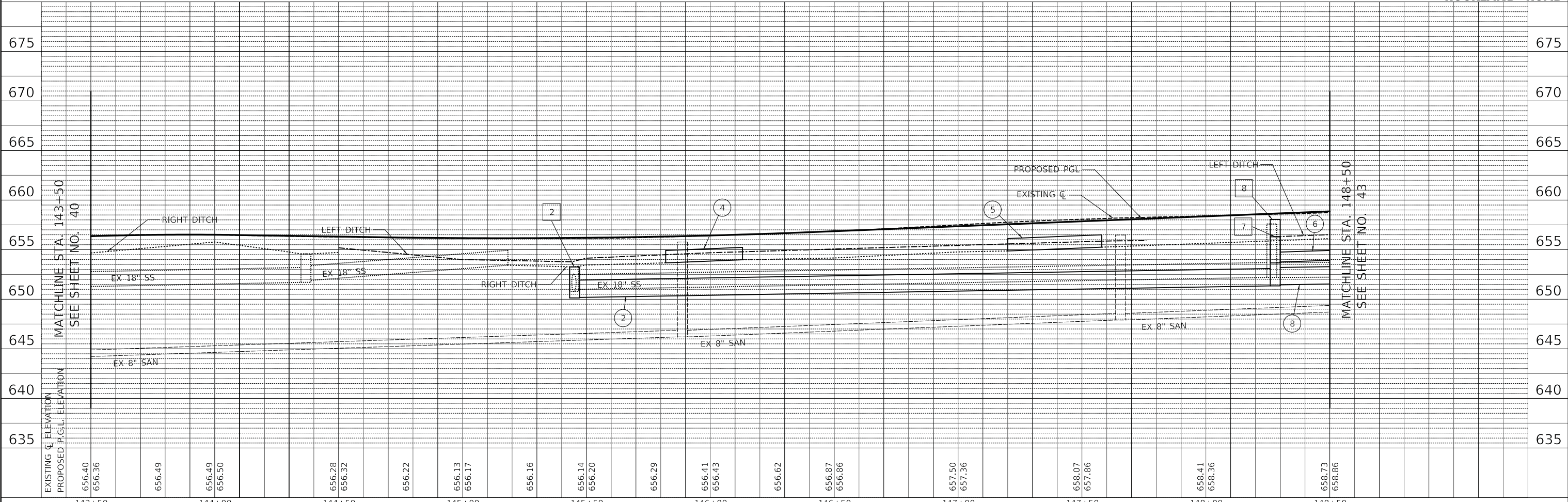
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	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

MODEL: SHODLNAME\$
FILE NAME: ...3273.dwg



ROCKLAND ROAD



USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
DRAINAGE AND UTILITIES**

SCALE: 1" = 20' SHEET 3 OF 14 SHEETS STA. 143+50 TO STA. 148+50

F.A.U. RTE. 1239	SECTION 16-10130-02-WR	COUNTY LAKE	TOTAL SHEETS 106	SHEET NO. 41
CONTRACT NO. 61G00				
ILLINOIS		FED. AID PROJECT		

REMOVALS

- (R1) 6' - STORM SEWER REM 21"
T.B.F. = 0.0 CU YD
- (R2) 40' - STORM SEWER REM 21"
T.B.F. = 0.0 CU YD
- (R3) 280' - STORM SEWER REM 18"
T.B.F. = 0.0 CU YD
- (R4) 29' - STORM SEWER REM 15"
T.B.F. = 0.0 CU YD
- (R5) 101' - STORM SEWER REM 12"
T.B.F. = 8.5 CU YD
- (R6) 42' - STORM SEWER REM 12"
T.B.F. = 4.5 CU YD
- (R7) 37' - STORM SEWER REM 15"
T.B.F. = 2.3 CU YD
- (R8) 67' - STORM SEWER REM 12"
T.B.F. = 11.5 CU YD
- (R9) 4' - STORM SEWER REM 4"
T.B.F. = 0.2 CU YD
- (R10) 100' - STORM SEWER REM 18"
T.B.F. = 0.0 CU YD

- (R1) STA. 145+43.9, 18.5' LT
MANHOLE TO BE REMOVED
- (R2) STA. 145+45.1, 24.8' RT
INLET TO BE REMOVED
- (R3) STA. 148+26.6, 16.9' RT
MANHOLE TO BE REMOVED

PROPOSED

- 1 STA. 145+43.70, 24.26' LT
CB TA 5 DIA T8G
RIM = 653.78
INV = 649.90 (21" S)
INV = 649.80 (EX 21" N)
- 2 STA. 145+45.23, 26.34' RT
FL INLT BX MED 542546
RIM = 653.26
INV = 650.90 (EX 12" S)
INV = 650.23 (21" E)
INV = 650.13 (21" N)
- 3 STA. 145+82.00, 22.12' RT
PRC FLAR END SEC 15
INV = 653.67
- 4 STA. 146+13.00, 22.62' RT
PRC FLAR END SEC 15
INV = 653.98
- 5 STA. 147+20.00, 25.40' RT
PRC FLAR END SEC 15
INV = 654.87
- 6 STA. 147+58.00, 25.40' RT
PRC FLAR END SEC 15
INV = 655.25
- 7 STA. 148+28.00, 22' LT
CB TA 4 DIA T8G
RIM = 656.30
INV = 653.76 (12" E)
INV = 653.66 (12" S)
- 8 STA. 148+28.00, 17' RT
MAN TA 4 DIA T1F CL
RIM = 658.05
INV = 653.38 (12" N)
INV = 651.45 (21" E)
INV = 651.35 (21" W)

- 1 45' - 21" S.S., CL. A, T-2 @ 0.50%
T.B.F. = 9.9 CU YD
- 2 281' - 21" S.S., CL. A, T-2 @ 0.40%
T.B.F. = 90.0 CU YD
- 4 19' - 15" S.S., CL. A, T-1 @ 1.00%
T.B.F. = 2.3 CU YD
- 5 26' - 15" S.S., CL. A, T-1 @ 1.00%
T.B.F. = 2.7 CU YD
- 6 62' - 12" S.S., CL. A, T-2 @ 0.80%
T.B.F. = 4.8 CU YD
- 7 35' - 12" S.S., CL. A, T-2 @ 0.80%
T.B.F. = 6.3 CU YD
- 8 98' - 21" S.S., CL. A, T-2 @ 0.40%
T.B.F. = 89.7 CU YD

MODEL: \\MODEL\NAME\$
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USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROCKLAND ROAD DRAINAGE AND UTILITIES	
SCALE: 1" = 20'	SHEET 4 OF 14 SHEETS
STA. 143+50	TO STA. 148+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	42
			CONTRACT NO. 61G00	
		ILLINOIS	FED. AID PROJECT	

REMOVALS

- R10 SEE SHEET 42
- R11 44' - STORM SEWER REM 12"
T.B.F. = 9.1 CU YD
- R12 77' - STORM SEWER REM 15"
T.B.F. = 4.6 CU YD
- R13 24' - STORM SEWER REM 12"
T.B.F. = 0.0 CU YD
- R14 34' - STORM SEWER REM 12"
T.B.F. = 6.5 CU YD
- R15 28' - STORM SEWER REM 10"
T.B.F. = 0.2 CU YD
- R16 20' - STORM SEWER REM 10"
T.B.F. = 2.2 CU YD

R4 STA. 149+30.0, 15.9' RT
MANHOLE TO BE REMOVED

PROPOSED

- 9 STA. 148+94.00, 22.5' LT
CB TA 4 DIA T8G
RIM = 656.96
INV = 654.36 (12" E)
INV = 654.26 (12" W)
- 10 STA. 149+29.98, 15.86' RT
MAN TA 5 DIA T1F CL
RIM = 659.41
INV = 653.91 (12" SE)
INV = 652.40 (EX 18" SW)
INV = 651.85 (21" W)
- 11 STA. 149+50.00, 25.72' RT
FL INLT BX MED 542546
RIM = 657.09
INV = 654.67 (12" NW)
- 12 STA. 150+61.00, 25.60' RT
PRC FLAR END SEC 12
INV = 658.18
- 13 STA. 150+89.00, 25.32' RT
PRC FLAR END SEC 12
INV = 658.46
- 14 STA. 151+03.00, 25.50' LT
CB TC T8G
RIM = 658.51
INV = 656.51 (12" S)
- 15 STA. 151+03.00, 13.00' LT
MAN TA 4 DIA T1F CL
RIM = 661.00
INV = 656.46 (12" N)
INV = 655.63 (12" E)
INV = 655.39 (12" W)
- 16 STA. 152+32.00, 24.72' RT
PRC FLAR END SEC 12
INV = 659.17
- 17 STA. 152+63.00, 23.56' RT
PRC FLAR END SEC 12
INV = 659.48
- 18 STA. 153+06.00, 21.66' LT
CB TC T8G
RIM = 659.98
INV = 657.98 (12" S)
- 19 STA. 153+06.00, 13.00' LT
MAN TA 4 DIA T1F CL
RIM = 661.52
INV = 657.95 (12" N)
INV = 657.02 (12" W)

- 6 SEE SHEET 42
- 8 SEE SHEET 42
- 9 205' - 12" S.S., CL. A, T-2 @ 0.50%
T.B.F. = 55.4 CU YD
- 10 19' - 12" S.S., CL. A, T-2 @ 4.00%
T.B.F. = 1.2 CU YD
- 11 16' - 12" S.S., CL. A, T-1 @ 1.00%
T.B.F. = 2.1 CU YD
- 12 10' - 12" S.S., CL. A, T-2 @ 0.50%
T.B.F. = 0.7 CU YD
- 13 199' - 12" S.S., CL. A, T-2 @ 0.70%
T.B.F. = 37.1 CU YD
- 14 19' - 12" S.S., CL. A, T-1 @ 1.00%
T.B.F. = 2.1 CU YD
- 15 6' - 12" S.S., CL. A, T-1 @ 0.50%
T.B.F. = 0.5 CU YD

MODEL: 6400RELENAME
FILE NAME: 1610130-DU.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
DRAINAGE AND UTILITIES**

SCALE: 1" = 20' SHEET 6 OF 14 SHEETS STA. 148+50 TO STA. 153+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	44
CONTRACT NO. 61G00			ILLINOIS FED. AID PROJECT	

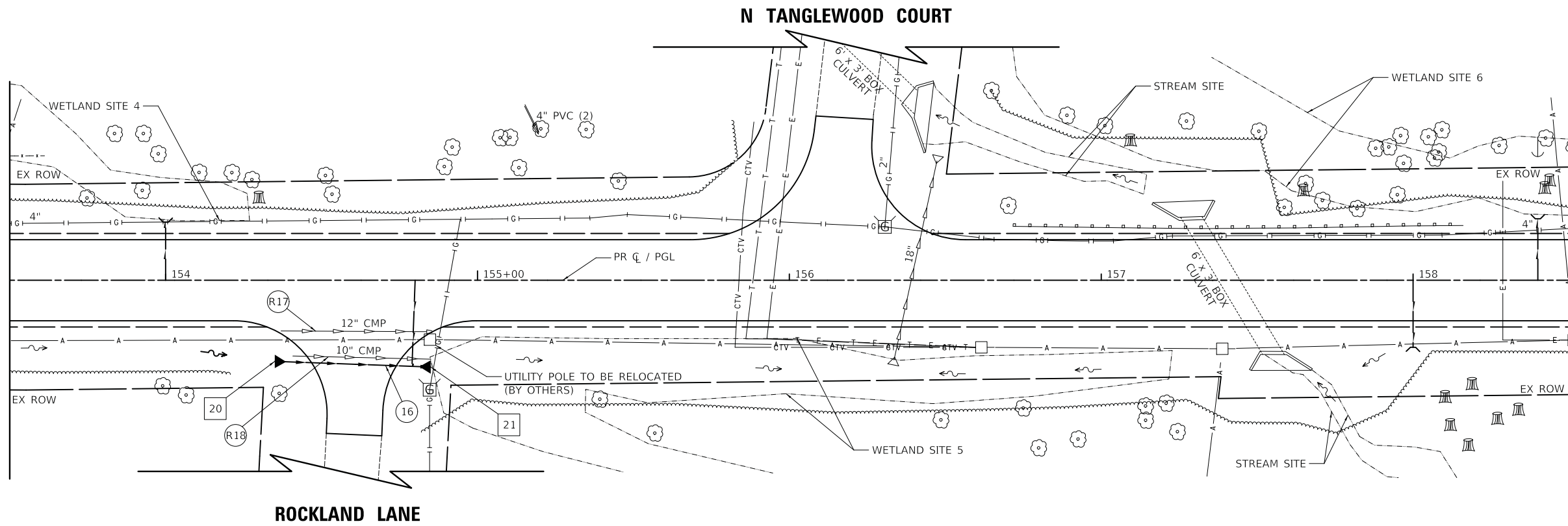
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	PLOTTED		
	ALIGNMENT CHECKED		
	GRADES CHECKED		
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	NOTE BOOK NO.		
	CADD FILE NAME		

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

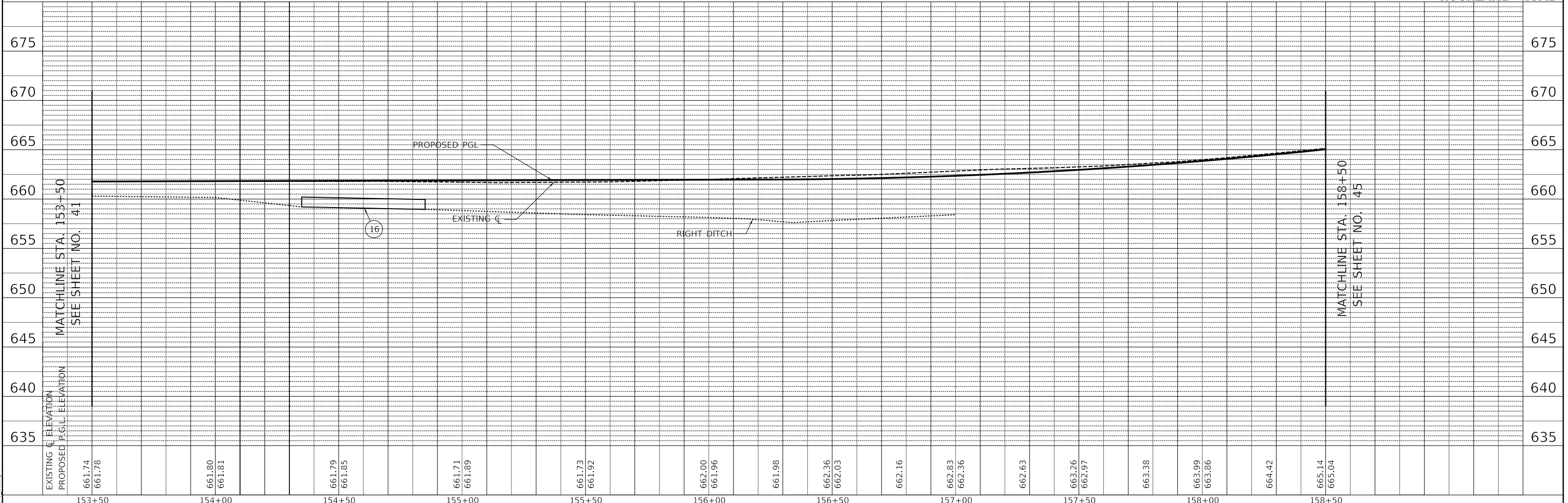
MODEL: SHODENAMES
FILE NAME: ...3273.dwg

MATCHLINE STA. 153+50
SEE SHEET NO. 43

MATCHLINE STA. 158+50
SEE SHEET NO. 47



ROCKLAND ROAD



MATCHLINE STA. 153+50
SEE SHEET NO. 41

MATCHLINE STA. 158+50
SEE SHEET NO. 45

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCKLAND ROAD
DRAINAGE AND UTILITIES

SCALE: 1" = 20' SHEET 7 OF 14 SHEETS STA. 153+50 TO STA. 158+50

F.A.U. RTE. 1239	SECTION 16-10130-02-WR	COUNTY LAKE	TOTAL SHEETS 106	SHEET NO. 45
CONTRACT NO. 61G00				
ILLINOIS		FED. AID PROJECT		

REMOVALS

(R17) 48' - STORM SEWER REM 12"
T.B.F. = 2.1 CU YD

(R18) 44' - STORM SEWER REM 10"
T.B.F. = 0.8 CU YD

PROPOSED

20 STA. 154+35.00, 26.04' RT
PRC FLAR END SEC 12
INV = 659.20

21 STA. 154+85.00, 27.85' RT
PRC FLAR END SEC 12
INV = 658.95

(16) 38' - 12" S.S., CL. A, T-1 @ 0.50%
T.B.F. = 4.3 CU YD

MODEL: 6400BELNAMES
FILE NAME: 1610130-02-WR.dwg

USER NAME = djc	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
DRAINAGE AND UTILITIES**

SCALE: 1" = 20' SHEET 8 OF 14 SHEETS STA. 153+50 TO STA. 158+50

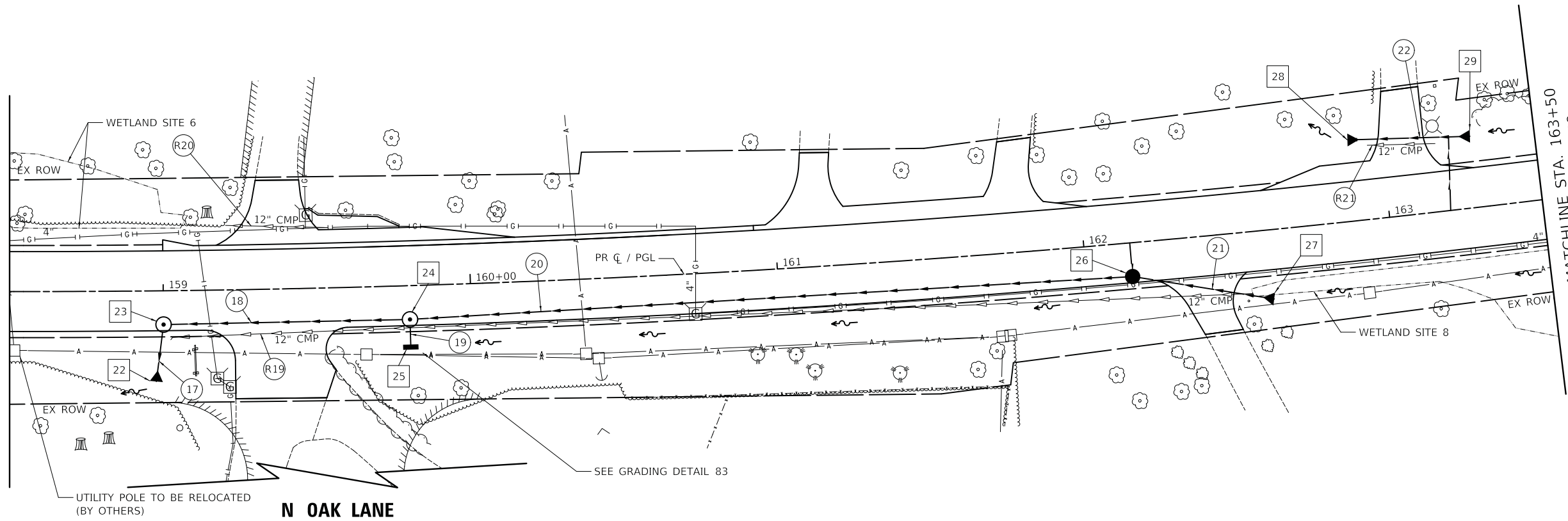
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	46
CONTRACT NO. 61G00				
		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

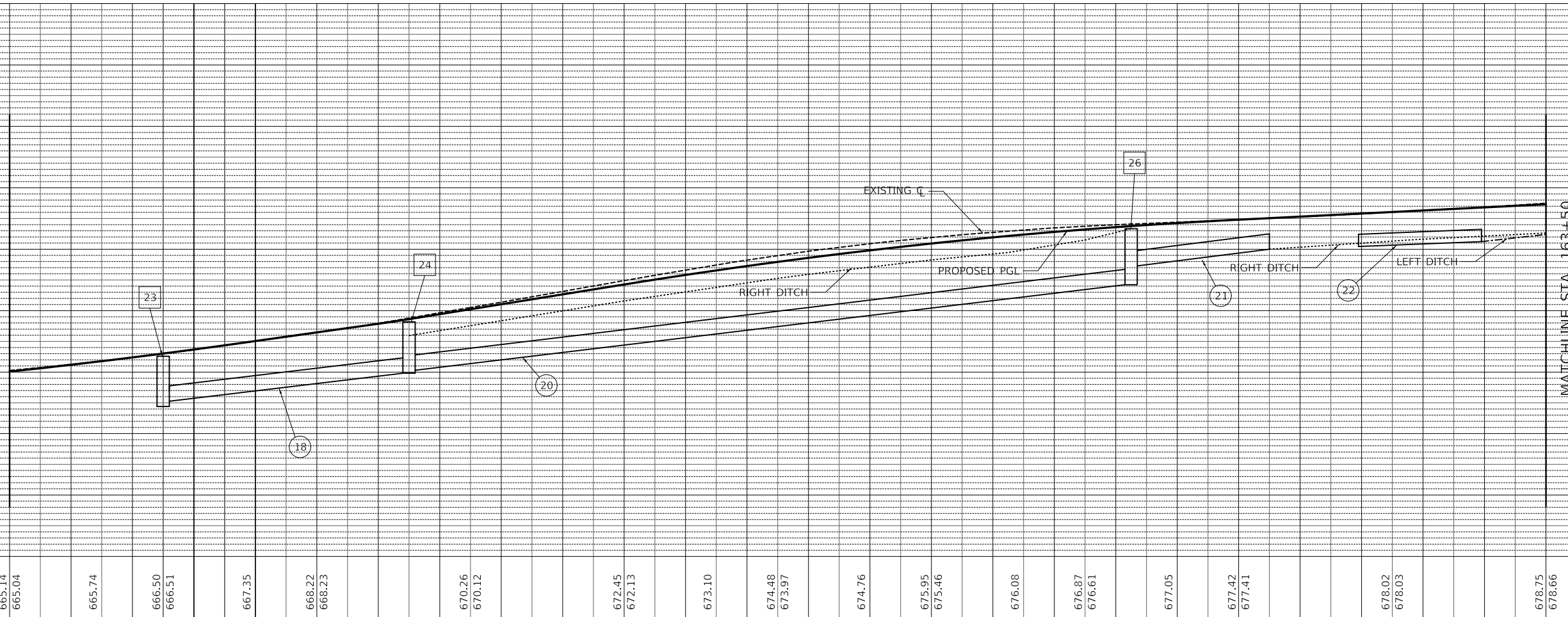
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	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	

MODEL: SHODENAMES
FILE NAME: ...3273.dwg

MATCHLINE STA. 158+50
SEE SHEET NO. 45



MATCHLINE STA. 158+50
SEE SHEET NO. 45



MATCHLINE STA. 163+50
SEE SHEET NO. 49

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROCKLAND ROAD DRAINAGE AND UTILITIES	
SCALE: 1" = 20'	SHEET 9 OF 14 SHEETS
STA. 158+50	TO STA. 163+50

F.A.U. RTE. 1239	SECTION 16-10130-02-WR	COUNTY LAKE	TOTAL SHEETS 106	SHEET NO. 47
CONTRACT NO. 61G00				
ILLINOIS		FED. AID PROJECT		

REMOVALS

- (R19) 353' - STORM SEWER REM 12"
T.B.F. = 100.3 CU YD
- (R20) 20' - STORM SEWER REM 12"
T.B.F. = 0.5 CU YD
- (R21) 22' - STORM SEWER REM 12"
T.B.F. = 1.1 CU YD

PROPOSED

- 22 STA. 158+97.50, 29.50' RT
PRC FLAR END SEC 18
INV = 662.00
- 23 STA. 159+00.00, 11.00' RT
MAN TA 4 DIA T1F CL
RIM = 666.29
INV = 662.63 (15" NE)
INV = 662.20 (18" SW)
- 24 STA. 159+80.00, 11.00' RT
MAN TA 4 DIA T1F CL
RIM = 669.09
INV = 665.15 (15" NE)
INV = 665.01 (12" S)
INV = 664.91 (15" SW)
- 25 STA. 159+80.00, 20.00' RT
FL INLT BX MED 542546
RIM = 667.97
INV = 665.04 (12" NW)
- 26 STA. 162+15.00, 11.00' RT
CB TA 4 DIA T1F CL
RIM = 676.67
INV = 673.65 (15" SE)
INV = 672.11 (15" SW)
- 27 STA. 162+60.00, 22.57' RT
PRC FLAR END SEC 15
INV = 675.00
- 28 STA. 162+89.00, 26.50' LT
PRC FLAR END SEC 12
INV = 675.22
- 29 STA. 163+29.00, 23.29' LT
PRC FLAR END SEC 12
INV = 675.62
- 17 11' - 18" S.S., CL. A, T-1 @ 1.20%
T.B.F. = 1.1 CU YD
- 18 76' - 15" S.S., CL. A, T-1 @ 3.00%
T.B.F. = 10.1 CU YD
- 19 5' - 12" S.S., CL. A, T-2 @ 0.50%
T.B.F. = 1.1 CU YD
- 20 232' - 15" S.S., CL. A, T-2 @ 3.00%
T.B.F. = 38.8 CU YD
- 21 39' - 15" S.S., CL. A, T-1 @ 3.00%
T.B.F. = 4.1 CU YD
- 22 28' - 12" S.S., CL. A, T-1 @ 1.00%
T.B.F. = 2.5 CU YD

MODEL: 4100.DWG
FILE NAME: 1610130-02-WR.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

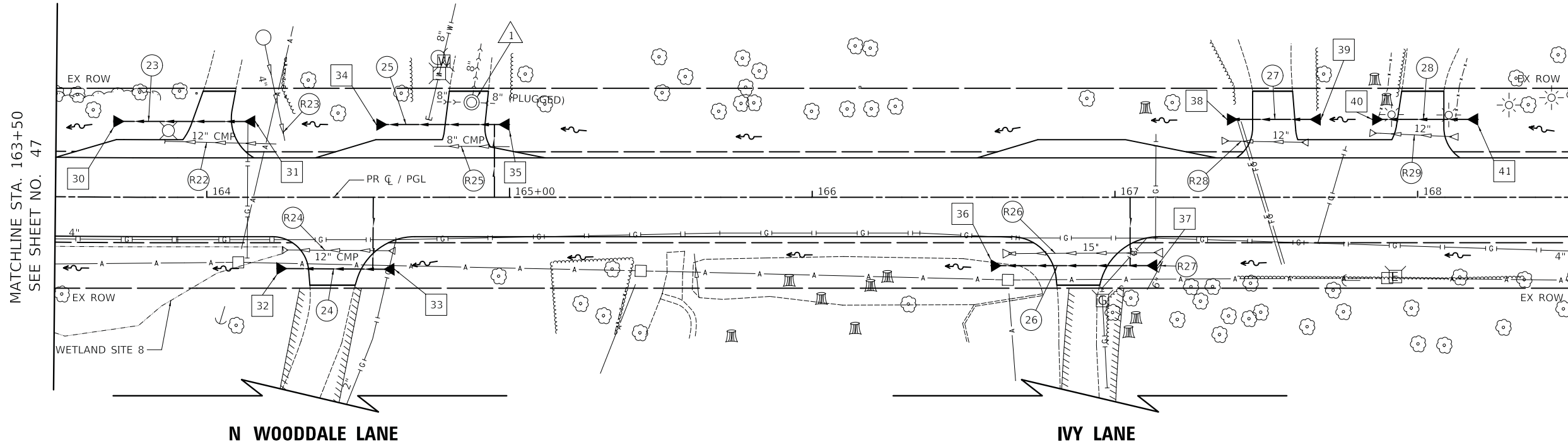
ROCKLAND ROAD DRAINAGE AND UTILITIES	
SCALE: 1" = 20'	SHEET 10 OF 14 SHEETS STA. 158+50 TO STA. 163+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	48
CONTRACT NO. 61G00				
		ILLINOIS	FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	
	NO.	
	NO.	

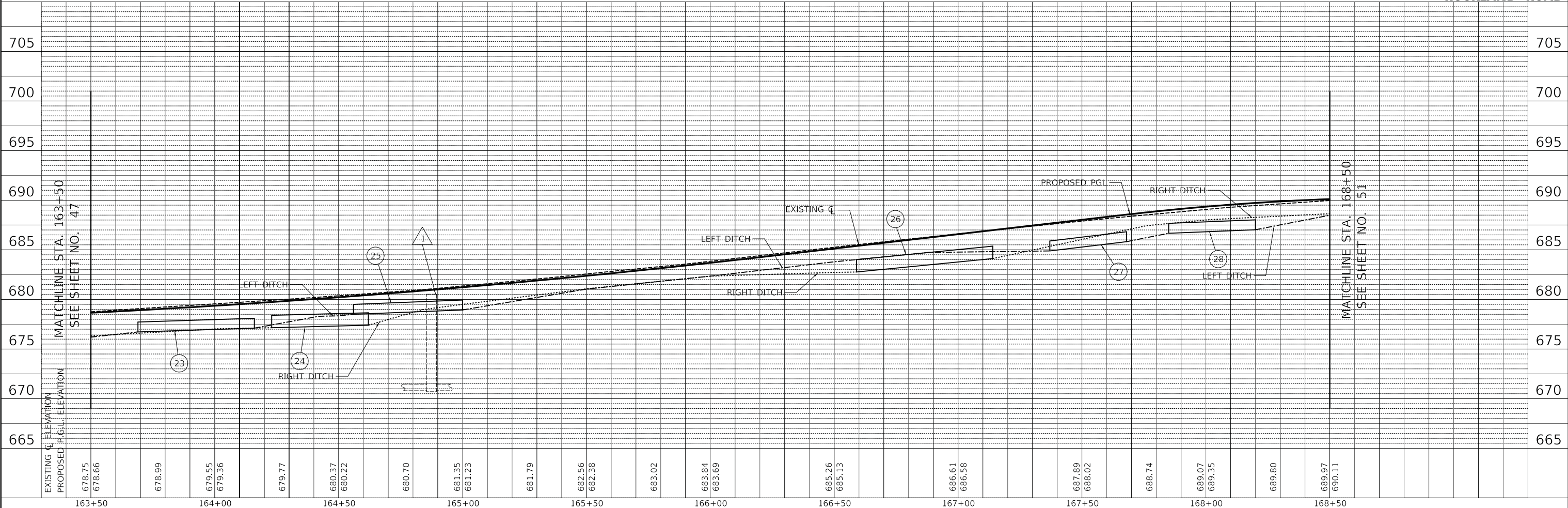
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	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	
	NO.	
	NO.	

MODEL: SHODENAMES
FILE NAME: ...3273.dwg



MATCHLINE STA. 163+50
SEE SHEET NO. 47

MATCHLINE STA. 168+50
SEE SHEET NO. 51



EXISTING C. ELEVATION	678.75	678.99	679.55	679.77	680.37	680.70	681.35	681.79	682.56	683.02	683.84	685.26	686.61	687.89	688.74	689.07	689.80	689.97
PROPOSED P.G.L. ELEVATION	678.66	678.99	679.36	679.77	680.22	680.70	681.23	681.79	682.38	683.02	683.69	685.13	686.58	688.02	688.74	689.35	689.80	690.11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCKLAND ROAD
DRAINAGE AND UTILITIES

SCALE: 1" = 20' SHEET 11 OF 14 SHEETS STA. 163+50 TO STA. 168+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	49
CONTRACT NO. 61G00				

ILLINOIS FED. AID PROJECT

REMOVALS

- (R22) 37' - STORM SEWER REM 12"
T.B.F. = 6.4 CU YD
- (R23) 6' - STORM SEWER REM 4"
T.B.F. = 0.0 CU YD
- (R24) 37' - STORM SEWER REM 12"
T.B.F. = 0.0 CU YD
- (R25) 25' - STORM SEWER REM 8"
T.B.F. = 0.7 CU YD
- (R26) 53' - STORM SEWER REM 15"
T.B.F. = 3.8 CU YD
- (R27) 3' - STORM SEWER REM 6"
T.B.F. = 0.0 CU YD
- (R28) 29' - STORM SEWER REM 12"
T.B.F. = 2.2 CU YD
- (R29) 29' - STORM SEWER REM 12"
T.B.F. = 3.8 CU YD

PROPOSED

- 30 STA. 163+69.00, 25.00' LT
PRC FLAR END SEC 12
INV = 676.74
- 31 STA. 164+16.00, 25.00' LT
PRC FLAR END SEC 12
INV = 677.10
- 32 STA. 164+23.00, 23.50' RT
PRC FLAR END SEC 15
INV = 677.15
- 33 STA. 164+62.00, 23.77' RT
PRC FLAR END SEC 15
INV = 677.34
- 34 STA. 164+56.00, 24.00' LT
PRC FLAR END SEC 12
INV = 678.50
- 35 STA. 165+00.00, 24.00' LT
PRC FLAR END SEC 12
INV = 678.94
- 36 STA. 166+59.00, 22.56' RT
PRC FLAR END SEC 15
INV = 682.75
- 37 STA. 167+14.00, 22.56' RT
PRC FLAR END SEC 15
INV = 684.12
- 38 STA. 167+37.00, 25.70' LT
PRC FLAR END SEC 12
INV = 684.89
- 39 STA. 167+68.00, 25.70' LT
PRC FLAR END SEC 12
INV = 685.82
- 40 STA. 167+85.00, 25.70' LT
PRC FLAR END SEC 12
INV = 686.67
- 41 STA. 168+20.00, 25.70' LT
PRC FLAR END SEC 12
INV = 687.02
- 23 41' - 12" S.S., CL. A, T-1 @ 0.76%
T.B.F. = 2.3 CU YD
- 24 27' - 15" S.S., CL. A, T-1 @ 0.50%
T.B.F. = 2.9 CU YD
- 25 32' - 12" S.S., CL. A, T-1 @ 1.00%
T.B.F. = 2.3 CU YD
- 26 43' - 15" S.S., CL. A, T-1 @ 2.50%
T.B.F. = 2.8 CU YD
- 27 19' - 12" S.S., CL. A, T-1 @ 3.00%
T.B.F. = 2.4 CU YD
- 28 23' - 12" S.S., CL. A, T-1 @ 1.00%
T.B.F. = 2.6 CU YD

1 STA. 164+87.47, 31.34' LT
SANITARY MANHOLE ADJ

MODEL: \\MODEL\NAME\$
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	DRAWN - JAT	REVISED -
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

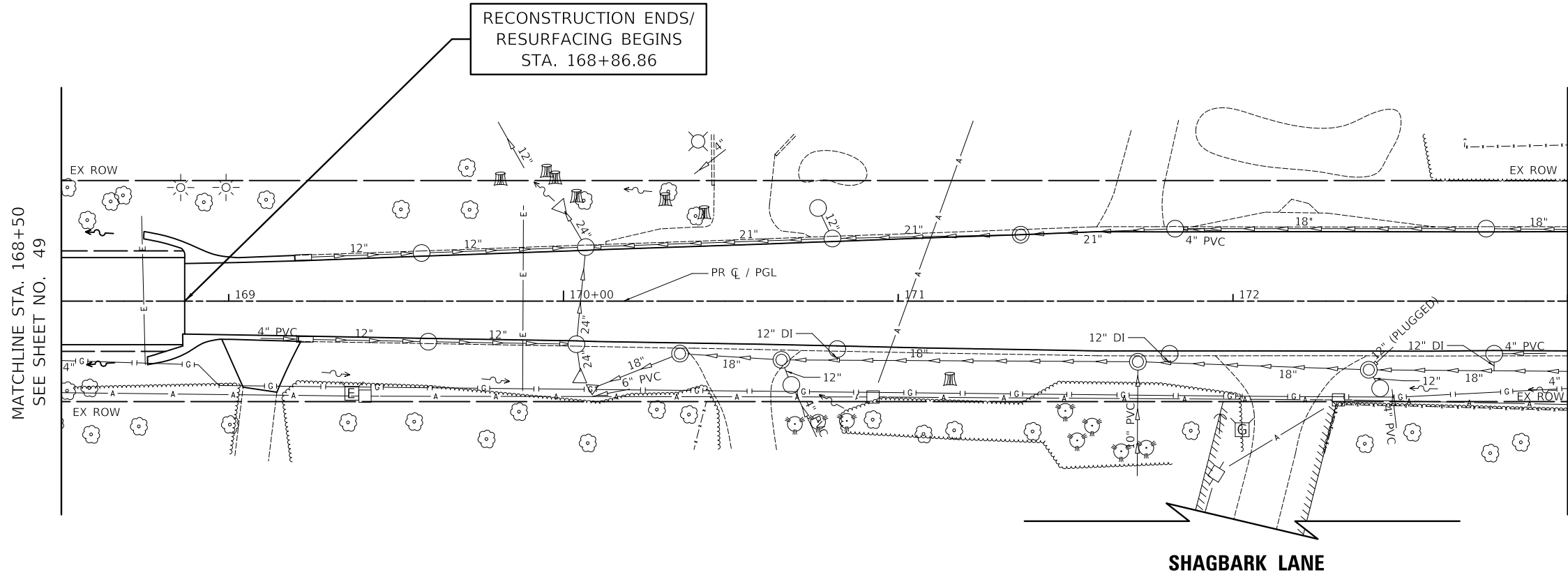
ROCKLAND ROAD DRAINAGE AND UTILITIES			
SCALE: 1" = 20'	SHEET 12 OF 14 SHEETS	STA. 163+50 TO STA. 168+50	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	50
			CONTRACT NO. 61G00	
		ILLINOIS	FED. AID PROJECT	

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	NO.		

MODEL: SHODENAMES
FILE NAME: ...3273.dwg



RECONSTRUCTION ENDS/
RESURFACING BEGINS
STA. 168+86.86

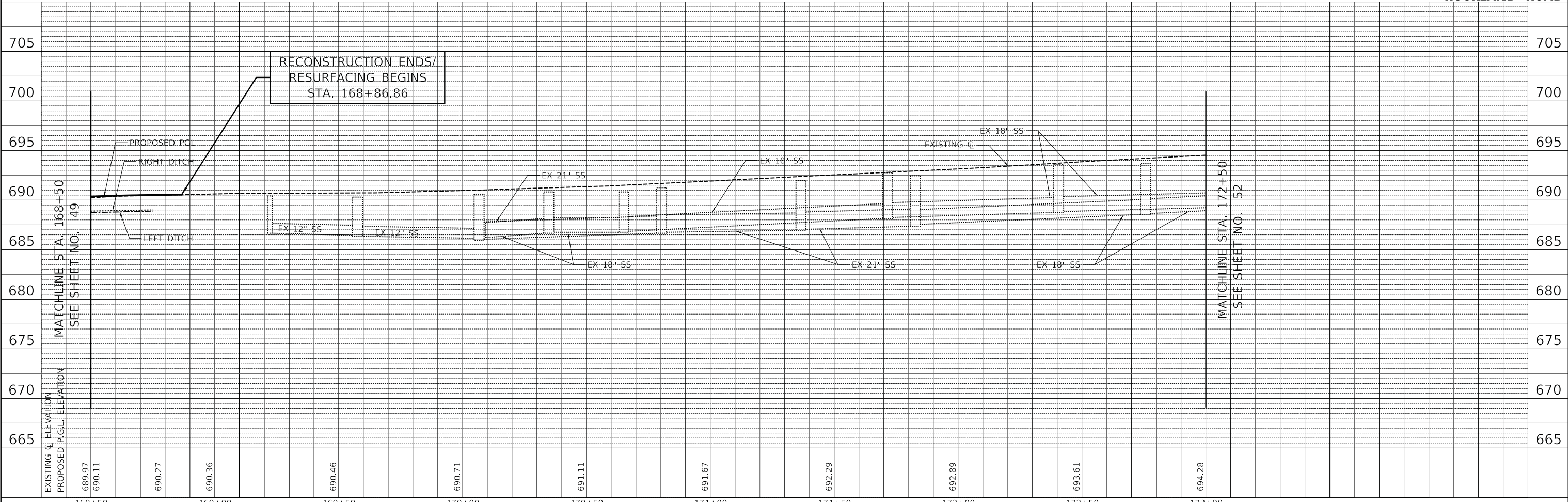
MATCHLINE STA. 168+50
SEE SHEET NO. 49

MATCHLINE STA. 173+00
SEE SHEET NO. 52

SHAGBARK LANE



ROCKLAND ROAD



RECONSTRUCTION ENDS/
RESURFACING BEGINS
STA. 168+86.86

MATCHLINE STA. 168+50
SEE SHEET NO. 49

MATCHLINE STA. 172+50
SEE SHEET NO. 52

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCKLAND ROAD
DRAINAGE AND UTILITIES
SCALE: 1" = 20' SHEET 13 OF 14 SHEETS STA. 168+50 TO STA. 173+00

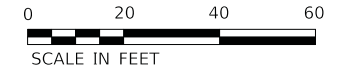
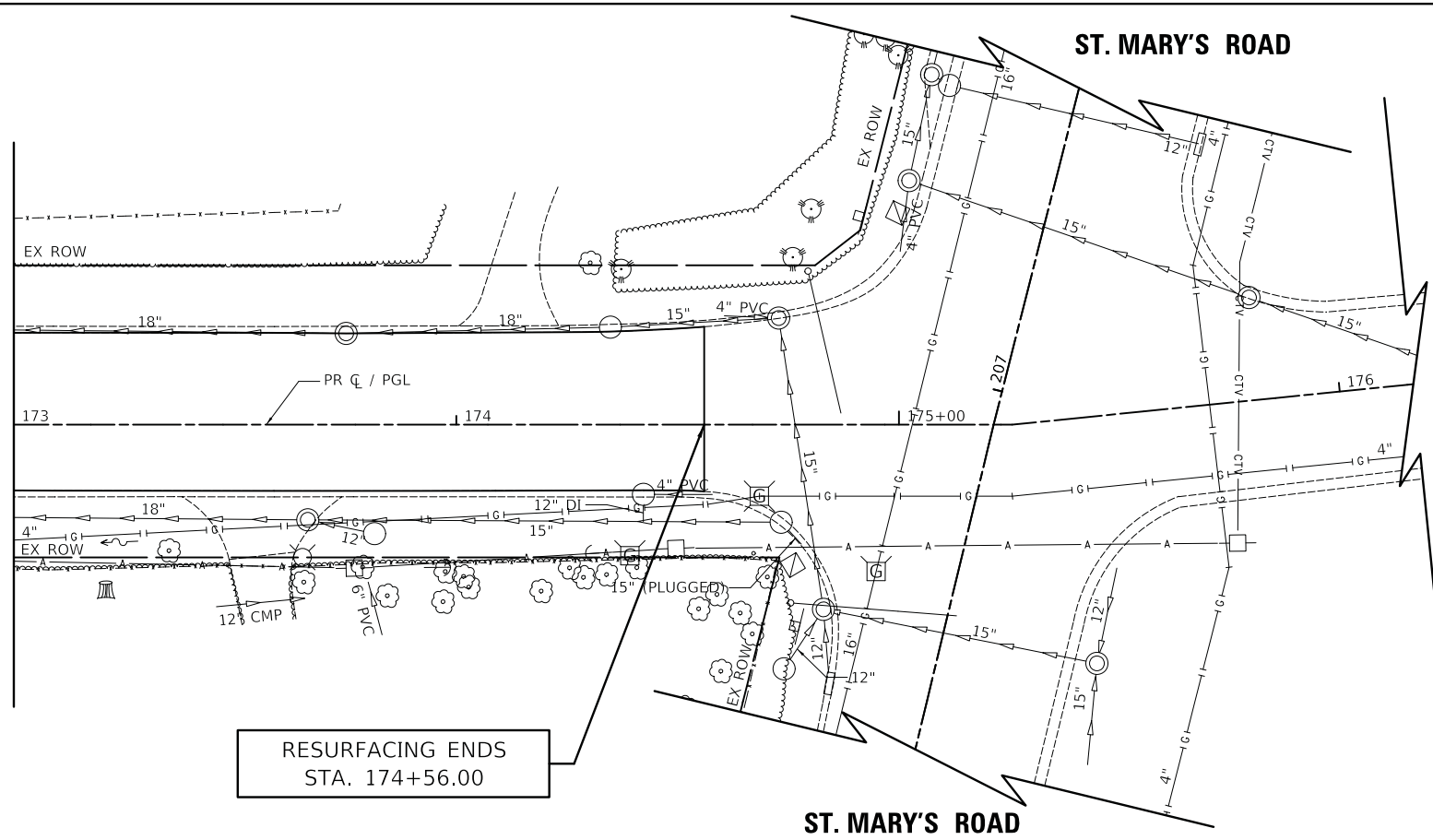
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	51
CONTRACT NO. 61G00				
ILLINOIS		FED. AID PROJECT		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	NOTE BOOK		
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	CADD FILE NAME		

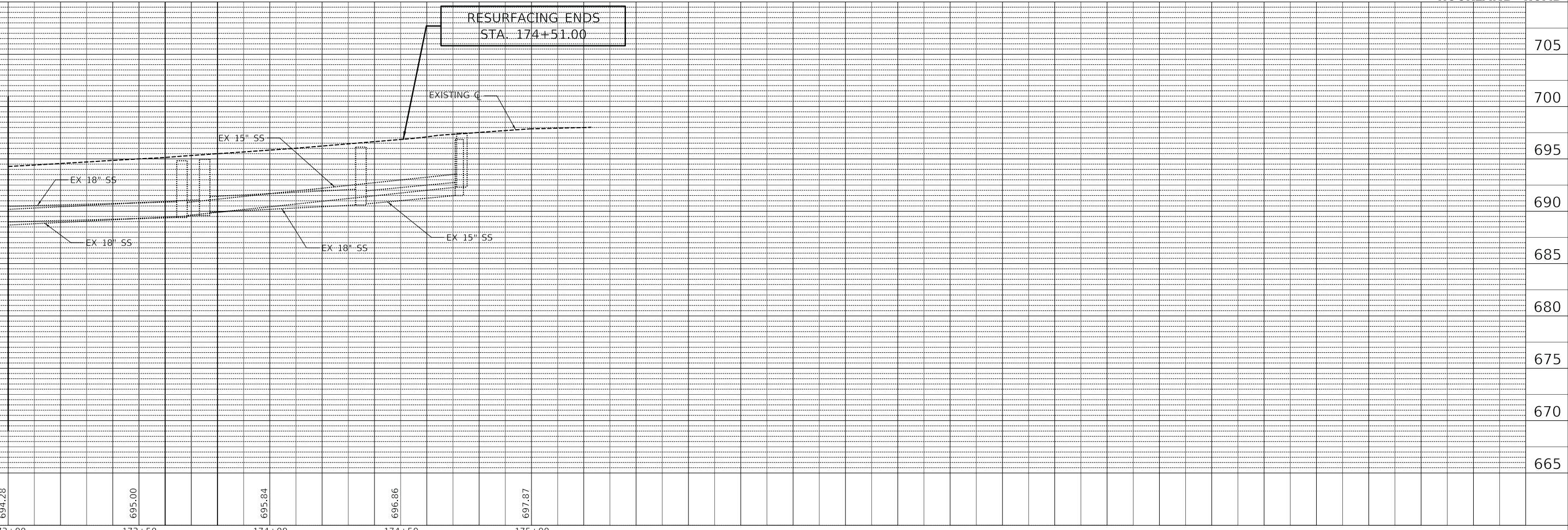
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NOTE BOOK		
	NO.		
	STRUCTURE NOTATIONS CHECKED		

MODEL: SHODENAMES
FILE NAME: ...3273.dwg

MATCHLINE STA. 173+00
SEE SHEET NO. 51



MATCHLINE STA. 173-00
SEE SHEET NO. 51



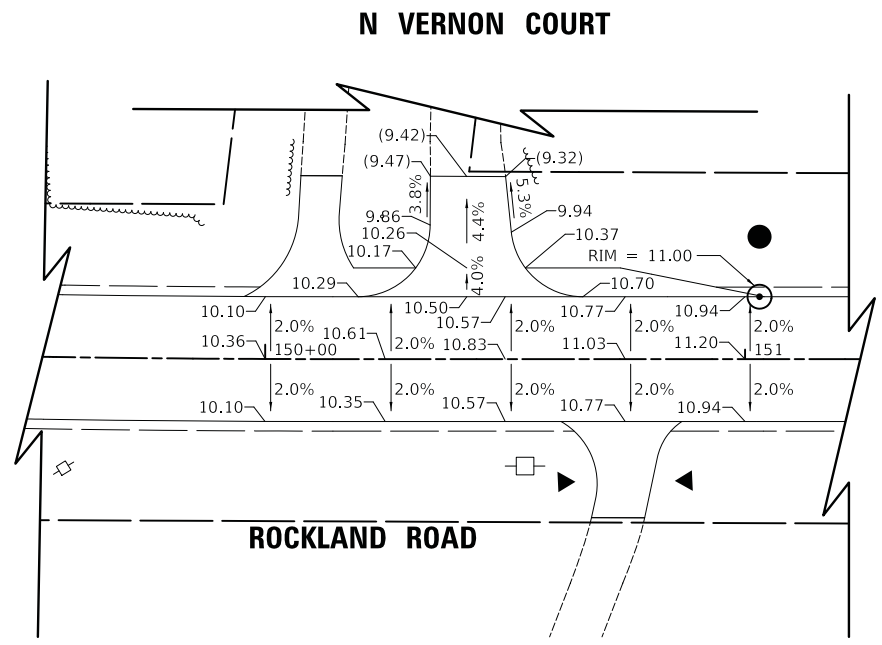
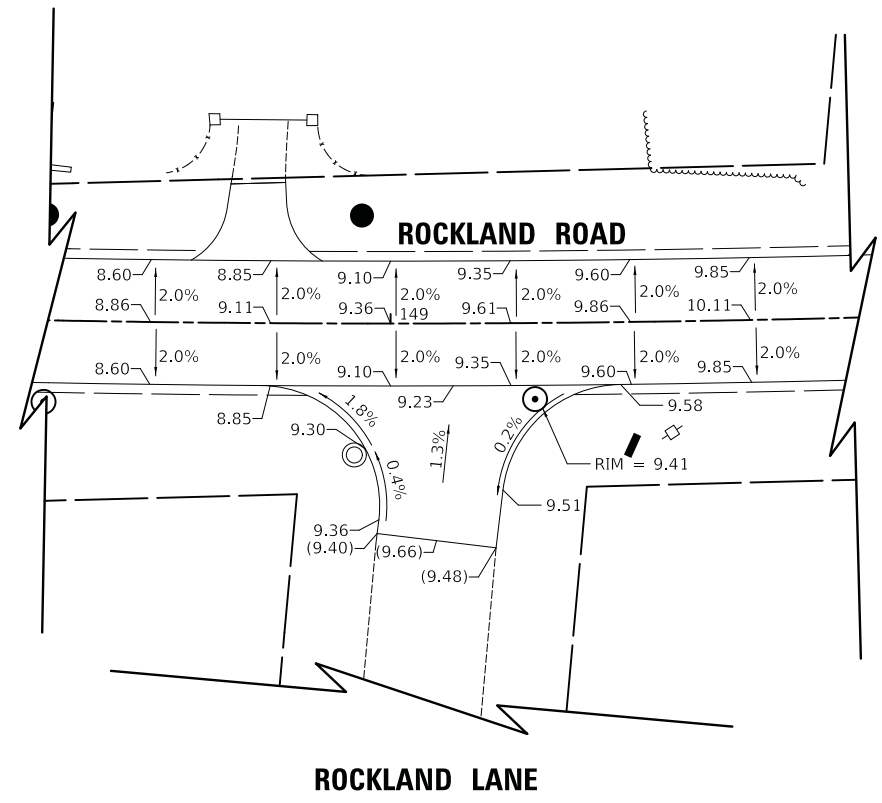
ROCKLAND ROAD

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PLOT SCALE = 20.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCKLAND ROAD DRAINAGE AND UTILITIES	
SCALE: 1" = 20'	SHEET 14 OF 14 SHEETS
STA. 173+00	TO STA. 177+09.81

F.A.U. RTE. 1239	SECTION 16-10130-02-WR	COUNTY LAKE	TOTAL SHEETS 106	SHEET NO. 52
CONTRACT NO. 61G00				
ILLINOIS		FED. AID PROJECT		



NOTES:

- 1) ELEVATIONS ARE GIVEN EVERY 25' (TYP).
- 2) ADD 650 TO ALL ELEVATIONS.



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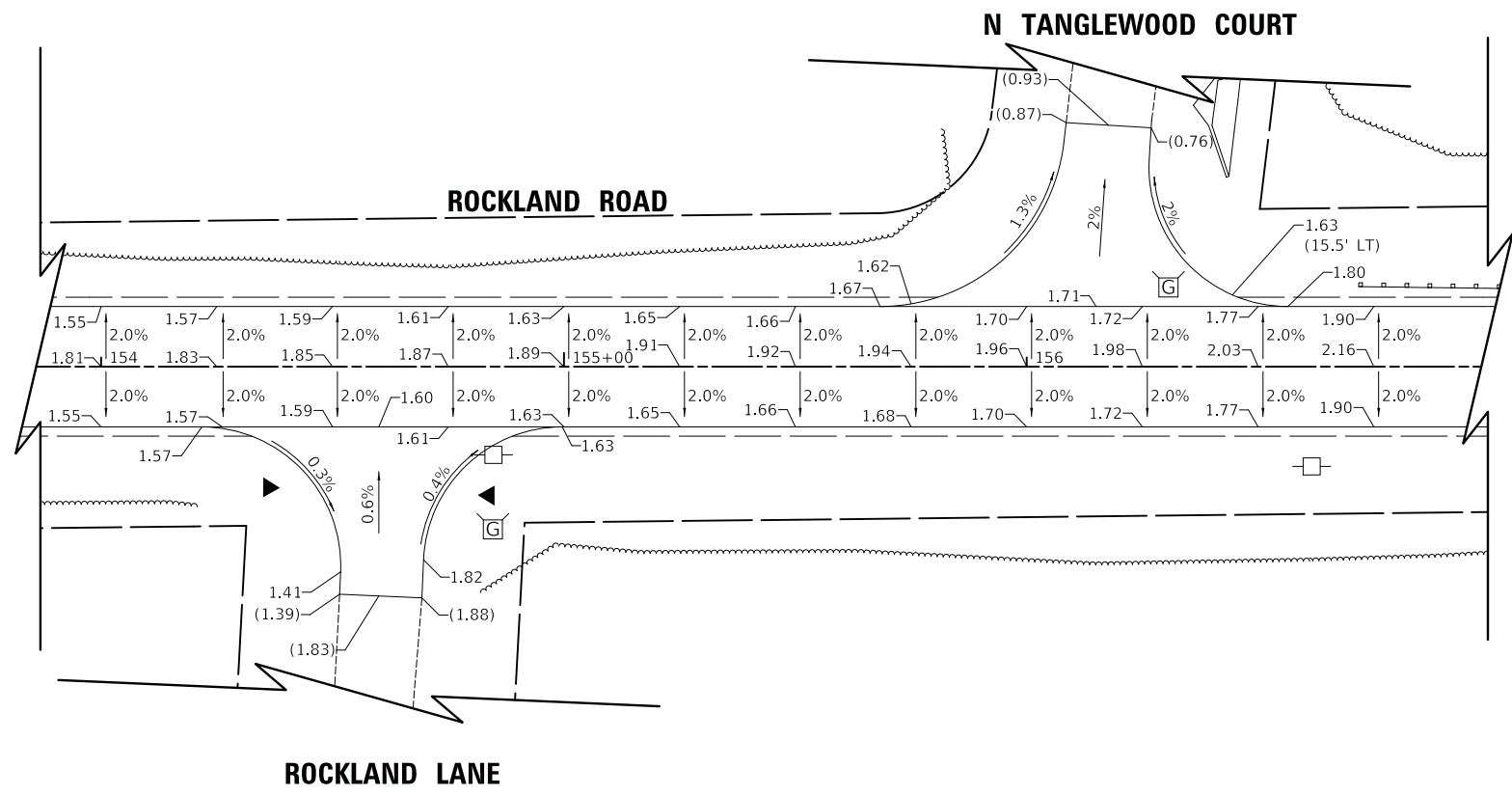
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	DRAWN - JAT	REVISED -
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

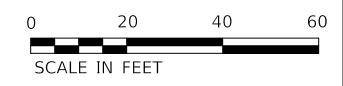
**ROCKLAND ROAD
INTERSECTION GRADING PLAN**

SCALE: 1" = 20' SHEET 1 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	53
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



- NOTES:
- 1) ELEVATIONS ARE GIVEN EVERY 25' (TYP).
 - 2) ADD 660 TO ALL ELEVATIONS.



MODEL: s:\MODEL\NAME\ FILE NAME: 1610130-02-WR.dwg

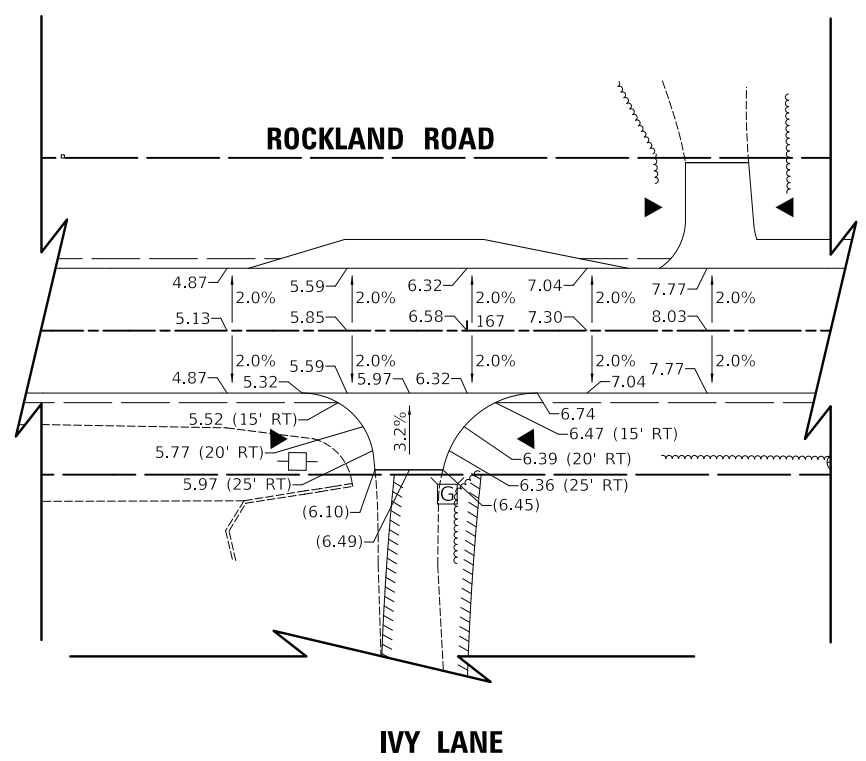
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	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
INTERSECTION GRADING PLAN**

SCALE: 1" = 20' SHEET 2 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	54
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



NOTES:

- 1) ELEVATIONS ARE GIVEN EVERY 25' (TYP).
- 2) ADD 680 TO ALL ELEVATIONS.



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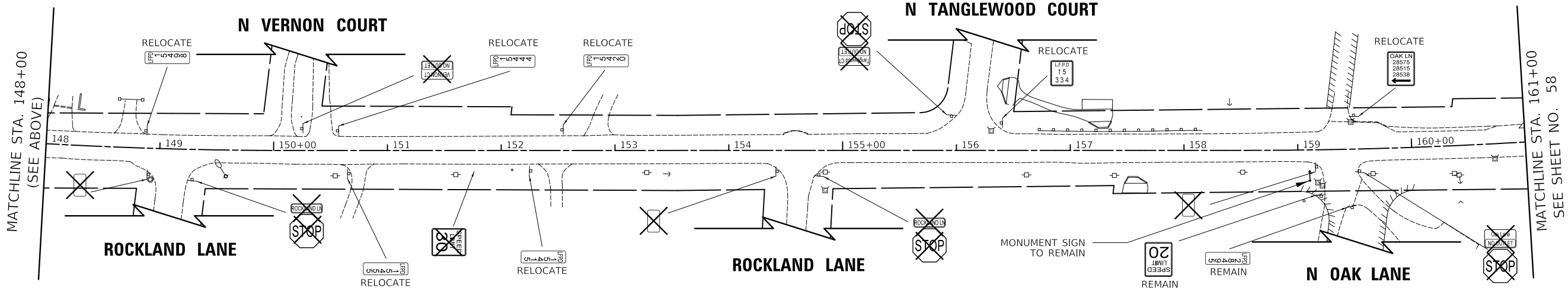
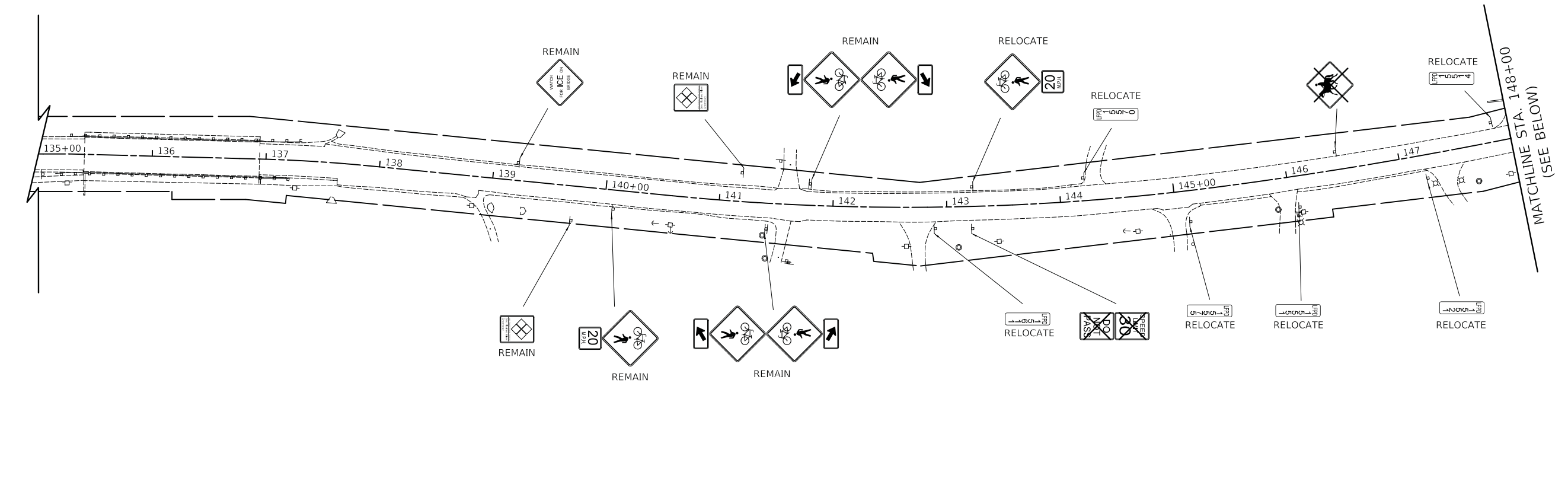
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	DRAWN - JAT	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
INTERSECTION GRADING PLAN**

SCALE: 1" = 20' SHEET 4 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	56
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



LEGEND

	EXISTING LIGHT POLE	REMAIN	SIGN PANEL TO REMAIN IN SAME LOCATION
	EXISTING SIGN	RELOCATE	SIGN PANEL TO BE RELOCATED TO NEW POST
	EXISTING MAST ARM		REMOVE SIGN PANEL OR SIGN PANEL ASSEMBLY



MODEL: S:\MODEL\NAMES FILE NAME: 1610130-02-58_1610130.dgn

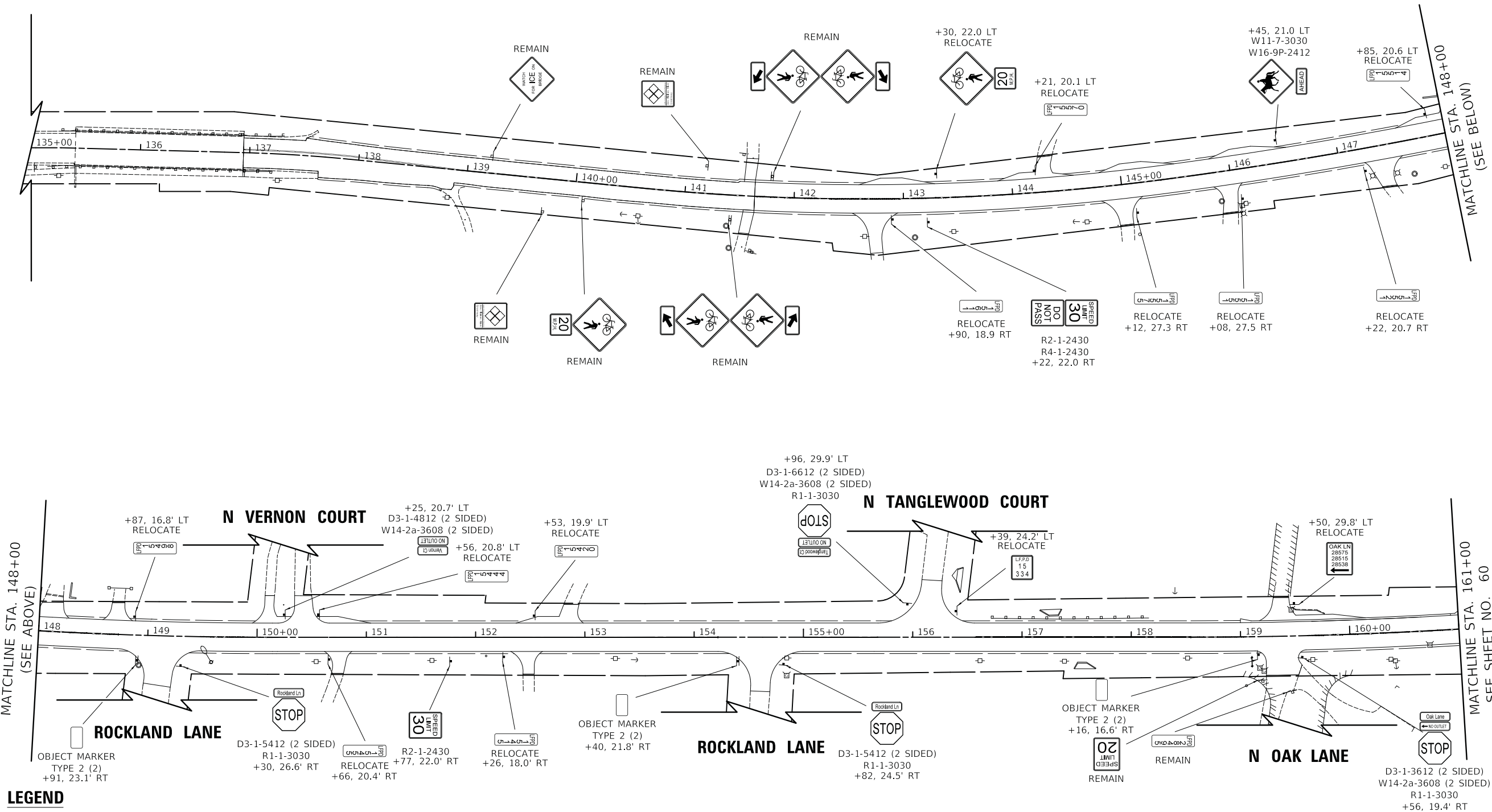
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PLOT SCALE = 50.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROCKLAND ROAD EXISTING SIGNING PLAN		
SCALE: 1" = 50'	SHEET 1 OF 2 SHEETS	STA. 135+00 TO STA. 161+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	57
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

NOTES:
 1) EXISTING FIRE PROTECTION DISTRICT SIGNS AND PROPOSED OBJECT MARKERS SHALL BE INSTALLED ON NEW METAL POSTS, TYPE A. ALL OTHER SIGN PANELS SHALL BE INSTALLED ON NEW TELESCOPING STEEL SIGN SUPPORTS.



LEGEND

⊗	EXISTING LIGHT POLE	REMAIN	SIGN PANEL TO REMAIN IN SAME LOCATION
⊕	EXISTING SIGN	RELOCATE	SIGN PANEL TO BE RELOCATED TO NEW POST
⊗	EXISTING WOOD POLE	⊕	PROPOSED SIGN PANEL
—	EXISTING MAST ARM	⊗	PROPOSED WOOD POLE

NOTE:
 D3-1 SIGNS SHALL HAVE A BACKGROUND COLOR OF GREEN WITH WHITE LETTERS (SERIES D, 6" CAPITAL LETTERS, 4.5" LOWER CASE LETTERS)



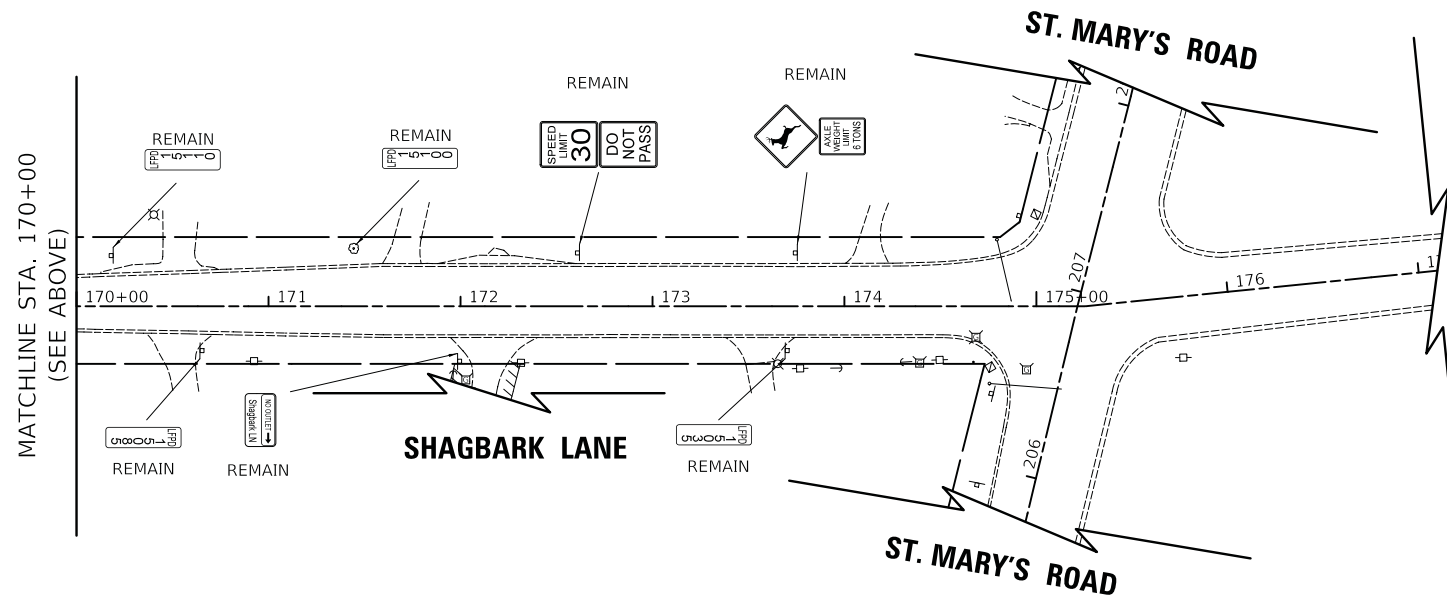
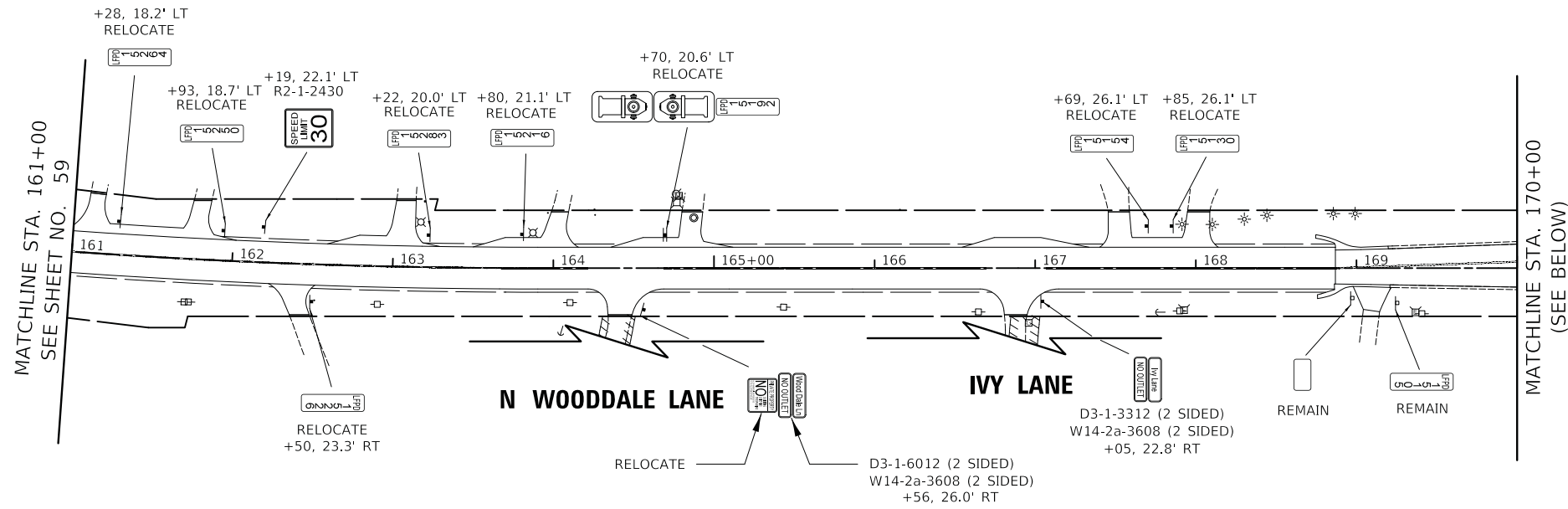
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USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROCKLAND ROAD PROPOSED SIGNING PLAN	
SCALE: 1" = 50'	SHEET 1 OF 2 SHEETS
STA. 135+00	TO STA. 161+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	59
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



LEGEND

⊗	EXISTING LIGHT POLE	REMAIN	SIGN PANEL TO REMAIN IN SAME LOCATION
⊕	EXISTING SIGN	RELOCATE	SIGN PANEL TO BE RELOCATED TO NEW POST
⊗	EXISTING WOOD POLE	⊕	PROPOSED SIGN PANEL
←	EXISTING MAST ARM	⊗	PROPOSED WOOD POLE

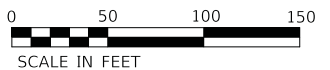
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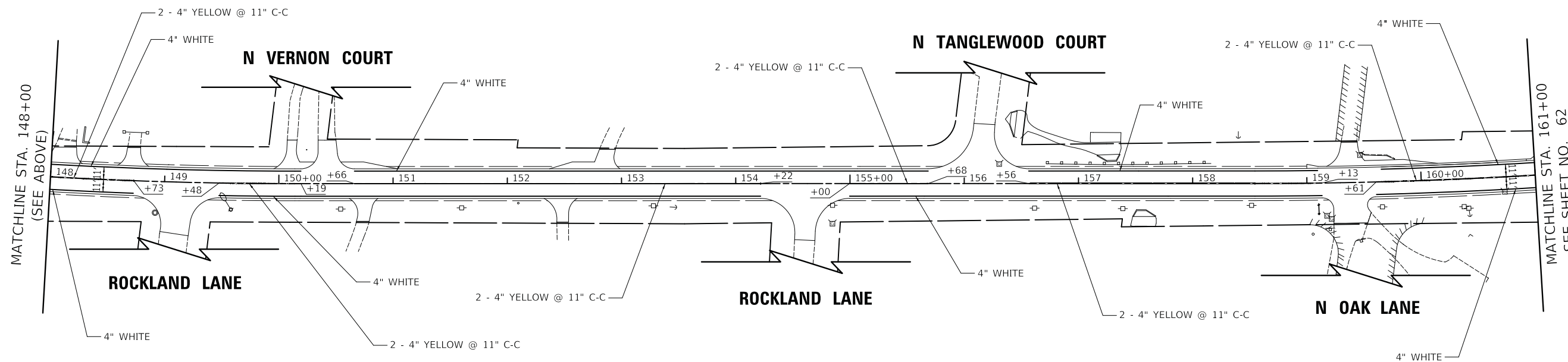
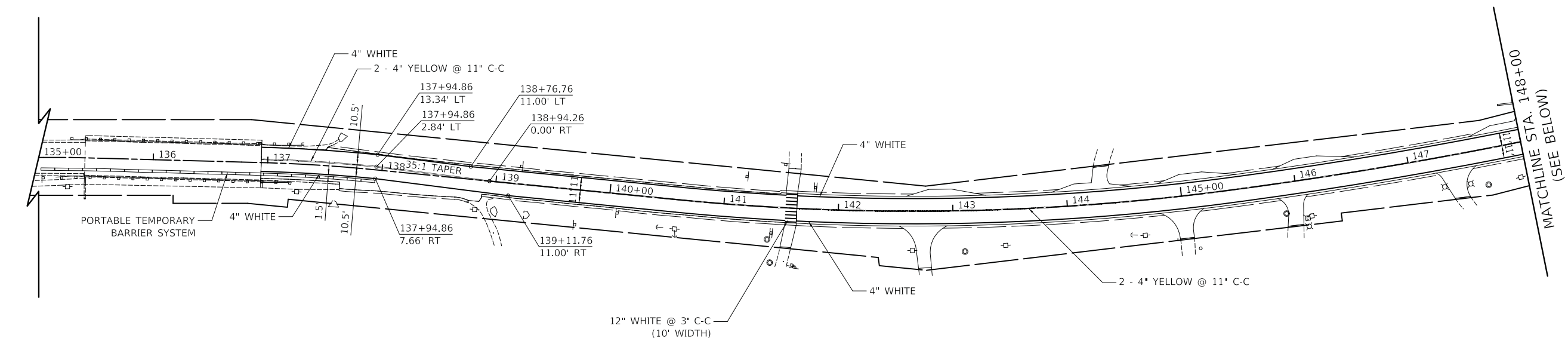
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PLOT SCALE = 50.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCKLAND ROAD PROPOSED SIGNING PLAN	
SCALE: 1" = 50'	SHEET 2 OF 2 SHEETS STA. 161+00 TO STA. 177+09.81

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	60
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				





ROCKLAND ROAD

MODEL: 6400.DWG
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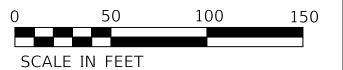
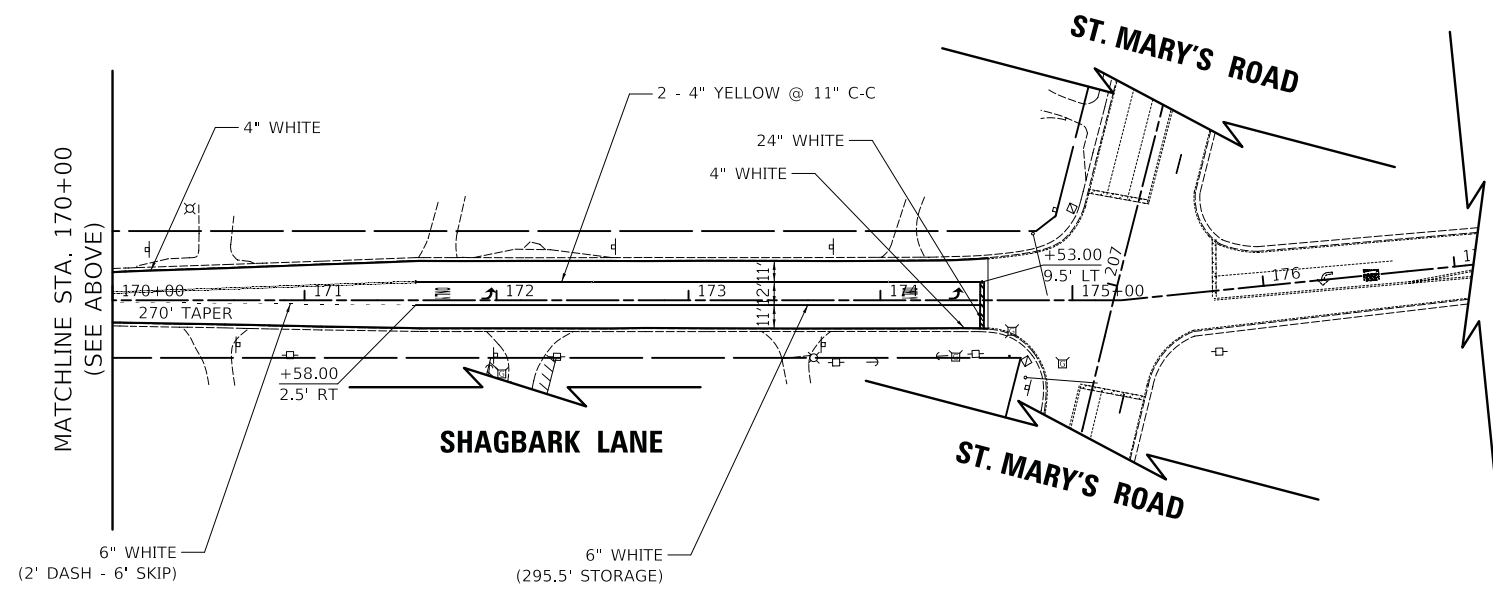
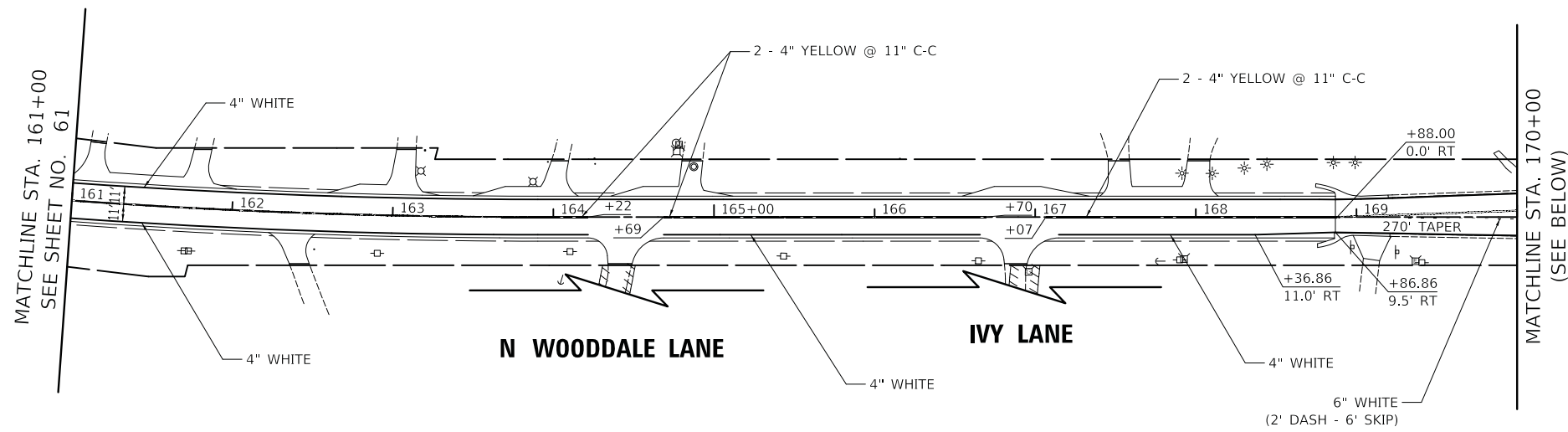
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DRAWN - JAT	REVISED -	
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
PROPOSED STRIPING PLAN**

SCALE: 1" = 50' SHEET 1 OF 2 SHEETS STA. 135+00 TO STA. 161+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	61
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



ROCKLAND ROAD

MODEL: 64002ELNAMES
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USER NAME = djk	DESIGNED - JAT	REVISED -
DRAWN - JAT	REVISIONS -	
PLOT SCALE = 50.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
PROPOSED STRIPING PLAN**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 161+00 TO STA. 177+09.81

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	62
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF TREE PROTECTION					
LOCATION	TREE SIZE (INCH)	TEMPORARY FENCE (FOOT)	TREE ROOT PRUNING (EACH)	TREE PRUNING (1 TO 10 INCH DIAMETER) (EACH)	TREE PRUNING (OVER 10 INCH DIAMETER) (EACH)
		20101000	20101200	20101300	20101350
STA. 141+68 RT	16	40	1		1
STA. 142+844 RT	6	40	1	1	
STA. 143+48 LT	10	40	1	1	
STA. 143+61 LT	2 @ 14	40	1		1
STA. 143+85 LT	9	40	1	1	
STA. 143+95 LT	9	40	1	1	1
	11				
STA. 144+09 LT	6	40	1	1	
144+74 LT	10	40	1	1	
STA. 145+48 LT	6	40	1	1	1
	17				
STA. 145+58 LT	16	40	1		1
STA. 145+90 LT	8	40	1	1	
STA. 147+74 RT	11	40	1		1
STA. 147+82 RT	6	40	1	1	
STA. 148+72 RT	6	40	1	1	
STA. 148+44 LT	39	40	1		1
STA. 150+00 LT	10	40	1	1	
STA. 150+21 LT	6	40	1	1	
STA. 150+22 LT	8	40	1	1	
STA. 150+79 LT	6	40	1	1	
STA. 150+94, LT	12	40	1		1
STA. 151+22 LT	9	40	1	1	
STA. 151+27 LT	7	40	1	1	
STA. 151+55 LT	44	40	1		1
STA. 151+71 LT	13	40	1		1
STA. 151+87 RT	11	40	1		1
STA. 152+68 RT	21	40	1		1
STA. 153+75 LT	12	40	1		1
STA. 154+36 RT	6	40	1	1	
STA. 154+53 LT	13	40	1		1
STA. 158+52 LT	7	40	1	1	
STA. 158+55 LT	7	40	1	1	
	7			1	
	9			1	
STA. 159+09 LT	6	40	1	1	
STA. 159+22 LT	13	40	1		1
STA. 159+60 LT	11	40	1		1
STA. 159+82 RT	23	40	1		1
STA. 159+96 LT	10	40	1	1	
STA. 159+96 RT	19	40	1		1
STA. 160+09 LT	6	40	1	1	
STA. 160+10 LT	10	40	1	1	
STA. 160+92 RT	8	40	1	1	
STA. 161+04 RT	6	40	1	1	
STA. 161+42 RT	25	40	1		1
STA. 161+67 RT	14	40	1		1
STA. 161+69	4	40	1	1	
	6			1	
STA. 161+87 LT	16	40	1		1
STA. 161+97 LT	19	40	1		1
STA. 162+08 LT	9	40	1	1	
STA. 162+53 RT	26	40	1		1
STA. 162+85 LT	22	40	1		1
STA. 163+16 LT	21	40	1		1
STA. 163+63 LT	27	40	1		1
STA. 163+77 LT	10	40	1	1	

SCHEDULE OF TREE PROTECTION					
LOCATION	TREE SIZE (INCH)	TEMPORARY FENCE (FOOT)	TREE ROOT PRUNING (EACH)	TREE PRUNING (1 TO 10 INCH DIAMETER) (EACH)	TREE PRUNING (OVER 10 INCH DIAMETER) (EACH)
		20101000	20101200	20101300	20101350
STA. 163+91 LT	18	40	1		1
STA. 164+44 LT	13	40	1		1
STA. 164+64 LT	7	40	1	1	
STA. 164+96 RT	18	40	1		1
STA. 165+12 LT	21	40	1		1
STA. 165+34 RT	10	40	1	1	
STA. 165+69 LT	8	40	1	1	
	8			1	
STA. 165+76 LT	5	40	1	1	
	7			1	
	9			1	
	11				1
	11				1
STA. 165+81 LT	12	40	1		1
STA. 166+00 LT	10	40	1	1	
	10			1	
STA. 166+12 LT	13	40	1		1
	14			1	
STA. 166+20 LT	12	40	1		1
	13			1	
STA. 166+27 LT	12	40	1		1
STA. 166+91 LT	19	40	1		1
STA. 167+18 LT	13	40	1		1
	17			1	
				1	
STA. 167+25 RT	6	40	1	1	
STA. 167+32 RT	6	40	1	1	
STA. 167+45 RT	7	40	1	1	
STA. 168+14 RT	7	40	1	1	
STA. 168+35 RT	5	40	1	1	
	6			1	
	7			1	
STA. 168+36 LT	26	40	1		1
STA. 168+52 RT	6	40	1	1	
STA. 168+58 LT	6	40	1	1	
STA. 168+58 RT	10	40	1	1	
STA. 168+65 LT	6	40	1	1	
STA. 168+68 LT	9	40	1	1	
STA. 168+93 LT	24	40	1		1
TOTALS		3160	80	52	43

SCHEDULE OF PROPOSED TREES			
A2008020	TREE, TILIA CORDATA (LITTLE LEAF LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED		
PLANT CODE: TC			
STATION	OFFSET	SIDE	QUANTITY (EACH)
145+00	27.00'	LT	1
145+30	27.00'	LT	1
146+60	25.50'	LT	1
146+93	25.50'	LT	1
147+48	24.00'	LT	1
160+60	37.00'	LT	1
TOTAL:			6
A2008468	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAL ELM), 2" CALIPER, BALLED AND BURLAPPED		
PLANT CODE: UP			
STATION	OFFSET	SIDE	QUANTITY (EACH)
141+75	23.00'	LT	1
142+05	23.00'	LT	1
142+35	23.00'	LT	1
142+65	22.00'	LT	1
143+22	22.50'	LT	1
TOTAL:			5
B2003320	TREE, MALUS DONALD WYMAN (DONALD WYMAN CRABAPPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED		
PLANT CODE: MD			
STATION	OFFSET	SIDE	QUANTITY (EACH)
145+27	34.00'	RT	1
145+57	34.00'	RT	1
TOTAL:			2
B2004120	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED		
PLANT CODE: MP			
STATION	OFFSET	SIDE	QUANTITY (EACH)
144+37	37.00'	RT	1
165+75	28.00'	RT	1
166+03	28.00'	RT	1
171+22	30.00'	LT	1
TOTAL:			4
B2006220	TREE, SYRINGA RETICULATA (JAPANESE TREE LILAC), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED		
PLANT CODE: SR			
STATION	OFFSET	SIDE	QUANTITY (EACH)
148+12	36.40'	RT	1
148+42	35.00'	RT	1
164+75	27.00'	RT	1
TOTAL:			3

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	DRAWN - JAT	REVISED -
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -






**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
LANDSCAPE BILL OF MATERIALS AND DETAILS**

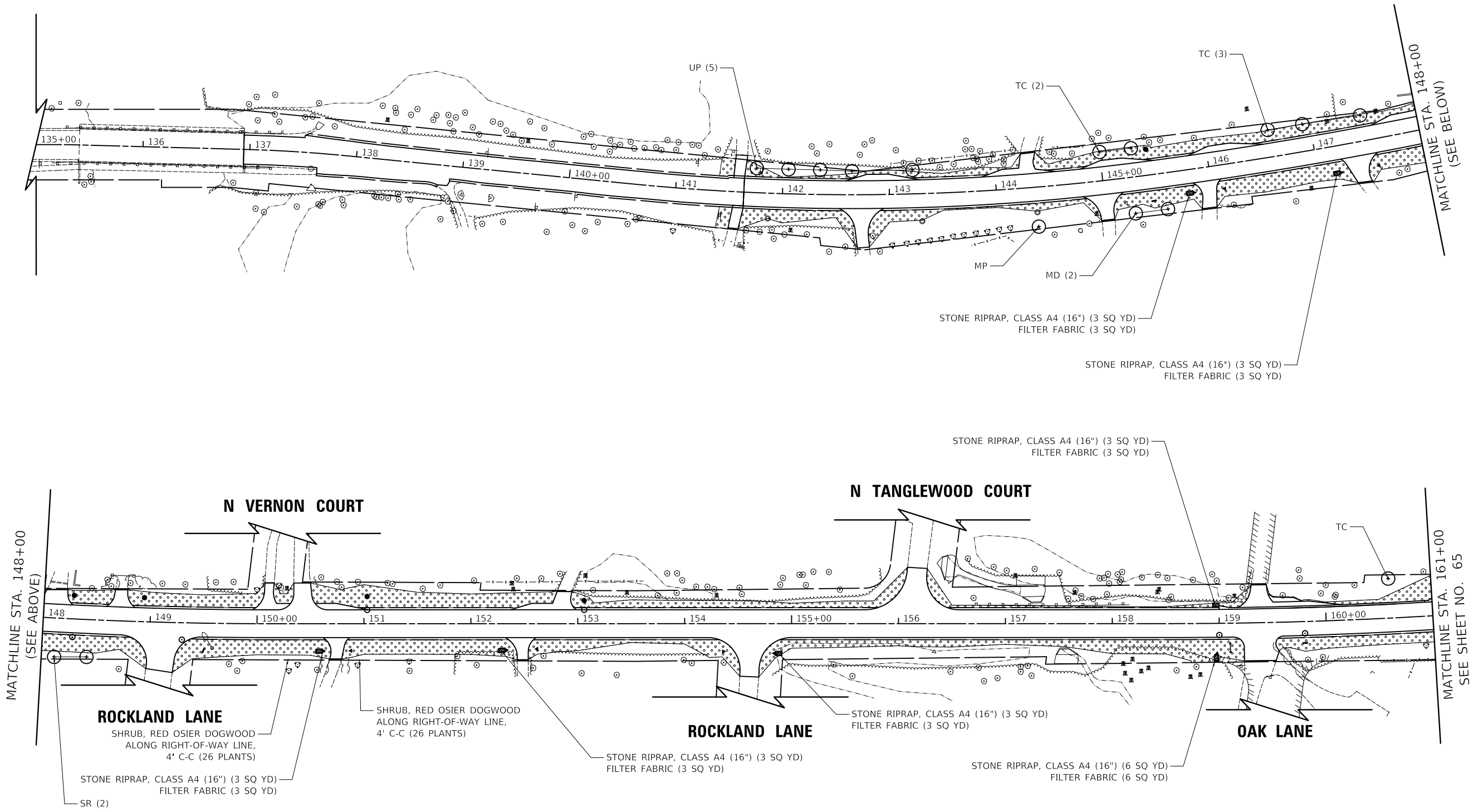
SHEET 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	63
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

LEGEND

-  TOPSOIL (4") - SEE NOTE
-  SEEDING, CLASS 1A
-  EROSION CONTROL BLANKET
-  EXISTING TREE TO REMAIN
-  PROPOSED TREE

NOTE:
 TOPSOIL EXCAVATION AND PLACEMENT SHALL BE USED FIRST FOR PLACEMENT OF 4" OF TOPSOIL.
 IF SUFFICIENT EXISTING TOPSOIL IS NOT AVAILABLE, THE REMAINING AREA SHALL BE COMPLETED USING THE PAY ITEM TOPSOIL, FURNISH AND PLACE 4".



ROCKLAND ROAD

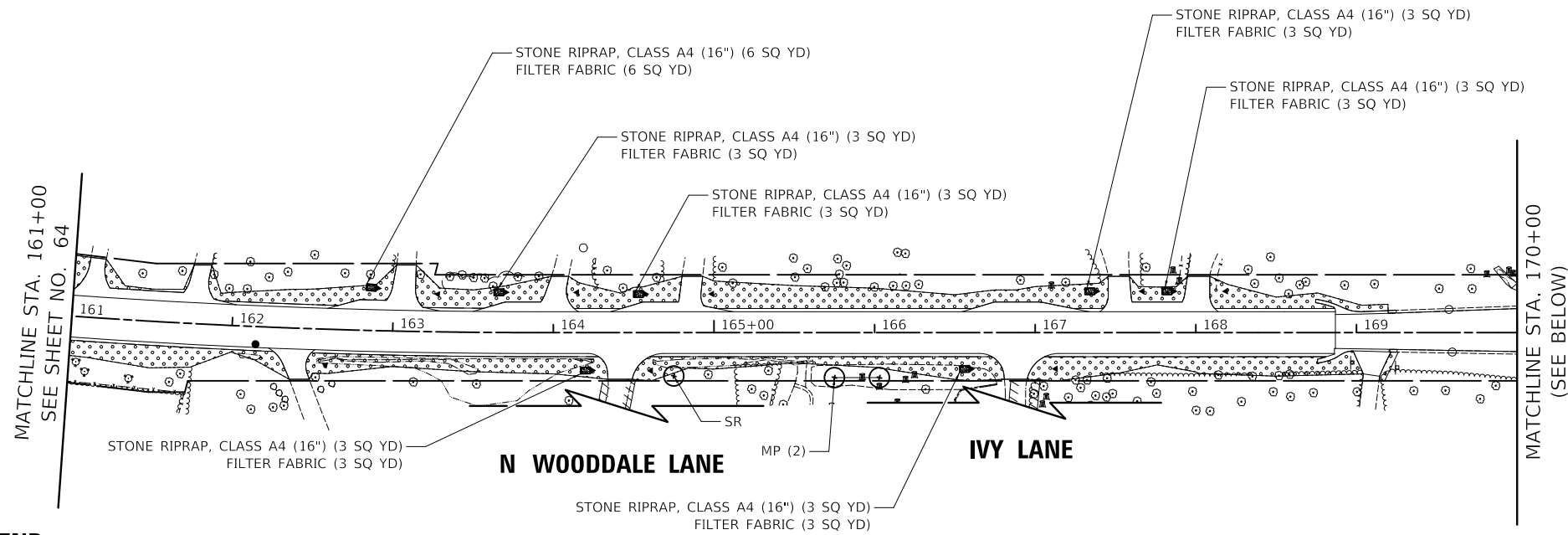
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DRAWN - JAT	REVISIONS -	
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROCKLAND ROAD LANDSCAPING PLAN	
SCALE: 1" = 50'	SHEET 1 OF 2 SHEETS
STA. 135+00	TO STA. 161+00

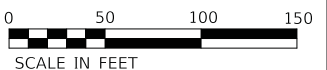
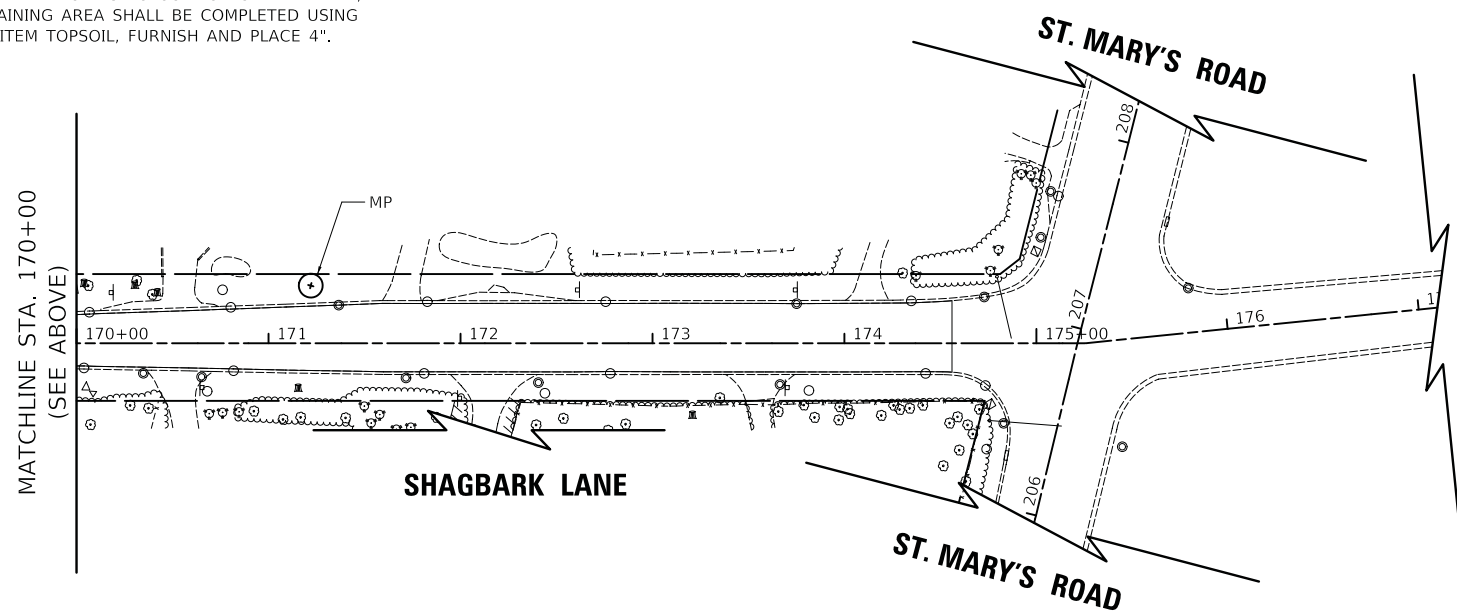
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	64
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



LEGEND

- TOPSOIL (4") - SEE NOTE
- SEEDING, CLASS 1A
- EROSION CONTROL BLANKET
- EXISTING TREE TO REMAIN
- PROPOSED TREE

NOTE:
 TOPSOIL EXCAVATION AND PLACEMENT SHALL BE USED FIRST FOR PLACEMENT OF 4" OF TOPSOIL. IF SUFFICIENT EXISTING TOPSOIL IS NOT AVAILABLE, THE REMAINING AREA SHALL BE COMPLETED USING THE PAY ITEM TOPSOIL, FURNISH AND PLACE 4".



ROCKLAND ROAD

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DRAWN - JAT	REVISIONS -	
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

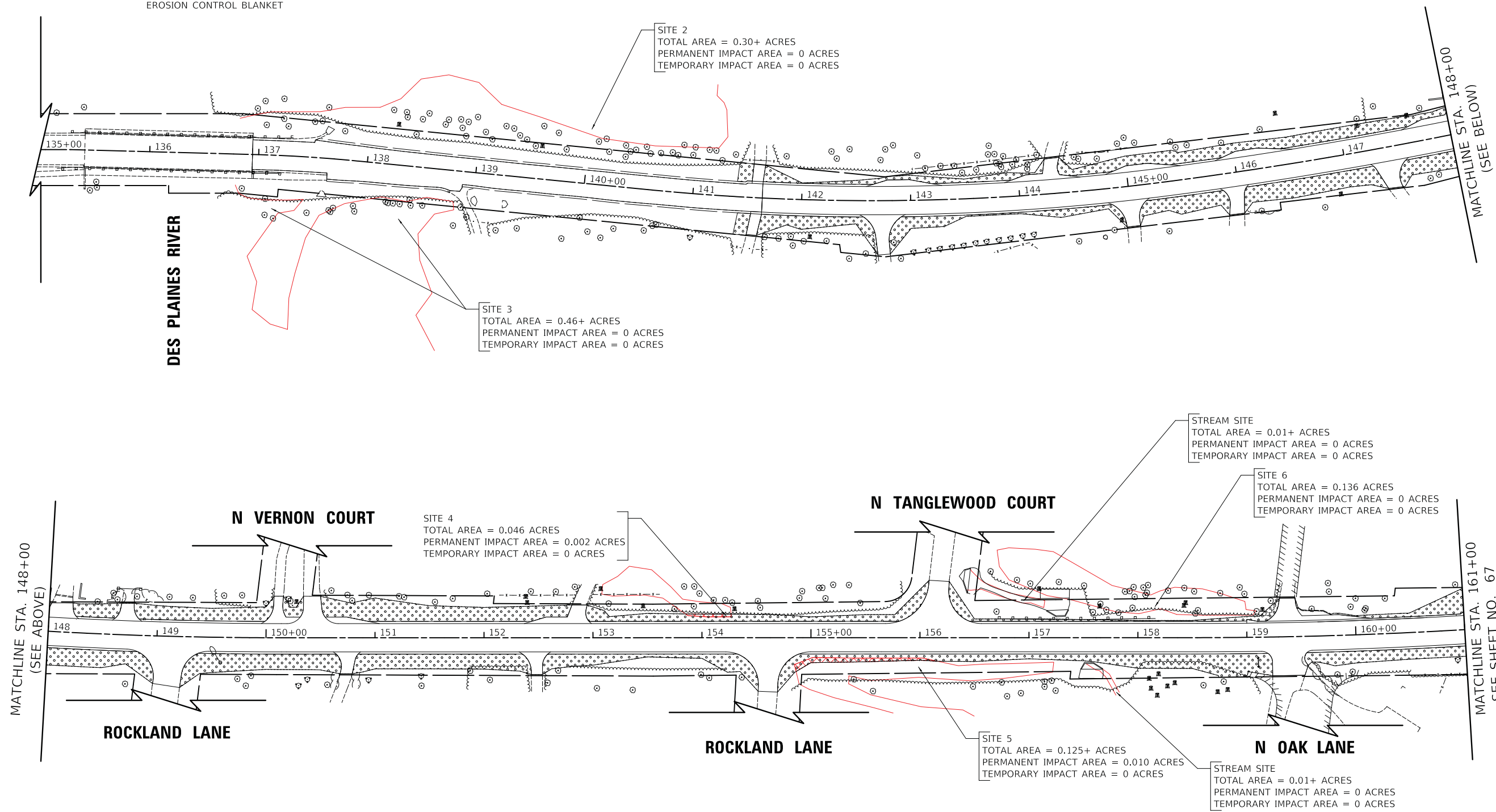
**ROCKLAND ROAD
 LANDSCAPING PLAN**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 161+00 TO STA. 177+09.81

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	65
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

LEGEND

- WATERS OF THE US LIMITS
- LIMITS OF GRADING
- ⊙ EXISTING TREE TO REMAIN
- ▨ PERMANENT WOUS IMPACT AREA
- ▤ TOPSOIL (4")
SEEDING CLASS 1A
EROSION CONTROL BLANKET



MATCHLINE STA. 148+00
(SEE ABOVE)

MATCHLINE STA. 161+00
SEE SHEET NO. 67



MODEL: s:\MODEL\NAME\ FILE: NAME.dwg 14/08/2019 10:32:33 WOTUS.dgn

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	DRAWN - JAT	REVISED -
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

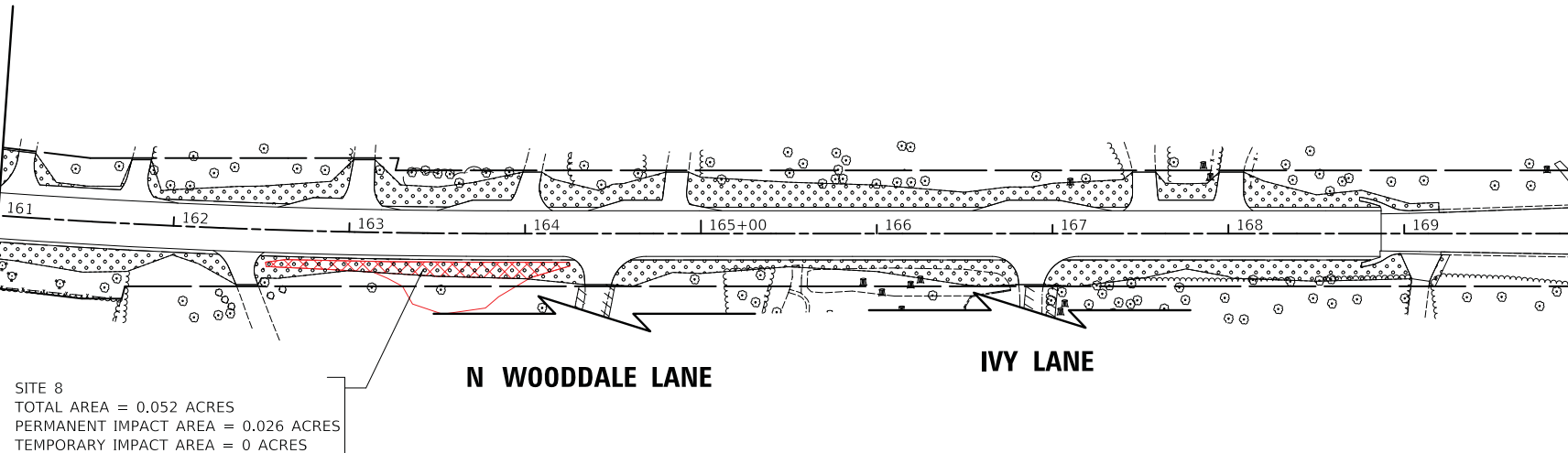
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROCKLAND ROAD WATERS OF THE US IMPACT EXHIBITS		
SCALE: 1" = 50'	SHEET 1 OF 2 SHEETS	STA. 135+00 TO STA. 161+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	66
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

ROCKLAND ROAD

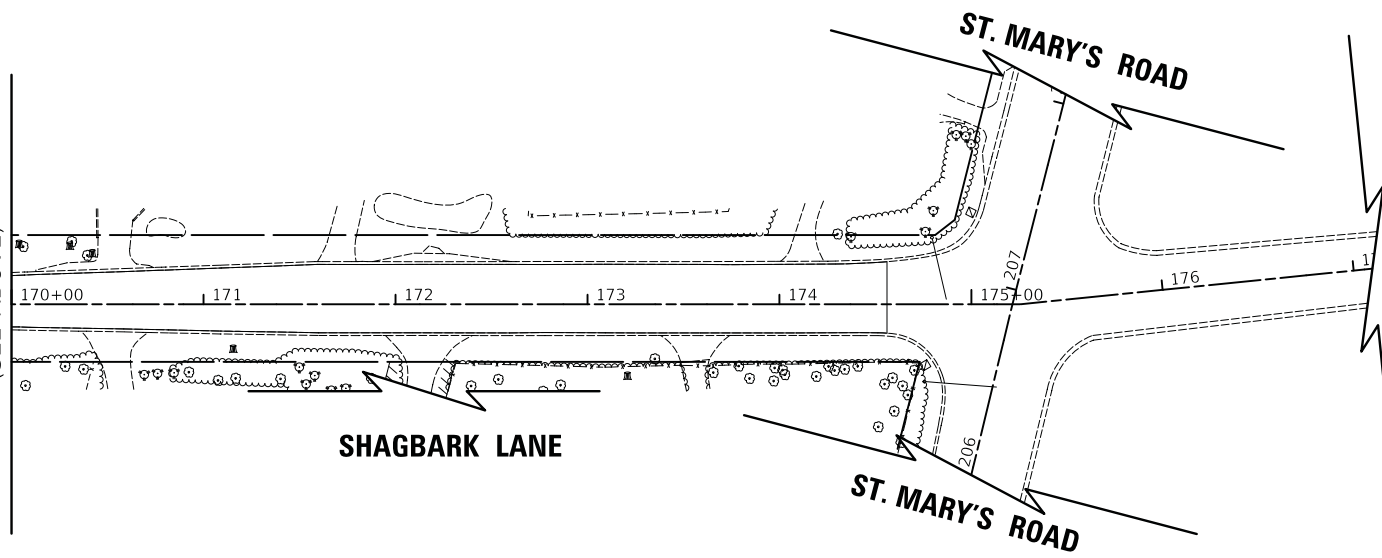
MATCHLINE STA. 161+00
SEE SHEET NO. 66



SITE 8
TOTAL AREA = 0.052 ACRES
PERMANENT IMPACT AREA = 0.026 ACRES
TEMPORARY IMPACT AREA = 0 ACRES

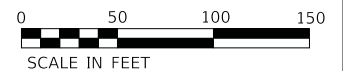
MATCHLINE STA. 170+00
(SEE BELOW)

MATCHLINE STA. 170+00
(SEE ABOVE)



LEGEND

- WATERS OF THE US LIMITS
- LIMITS OF GRADING
- EXISTING TREE TO REMAIN
- PERMANENT WOUS IMPACT AREA
- TOPSOIL (4")
SEEDING CLASS 1A
EROSION CONTROL BLANKET



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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

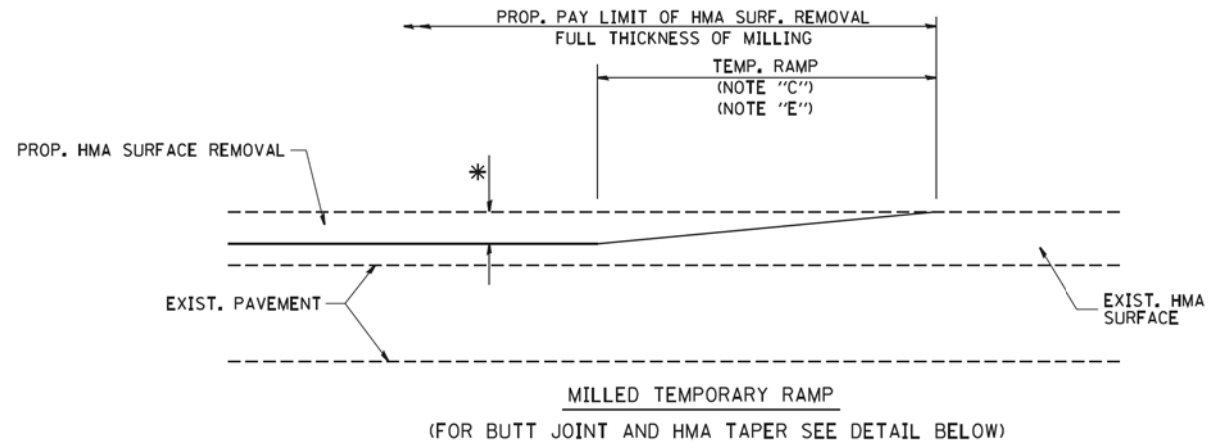
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
WATERS OF THE US IMPACT EXHIBITS**

SCALE: 1" = 50' SHEET 2 OF 2 SHEETS STA. 161+00 TO STA. 177+09.81

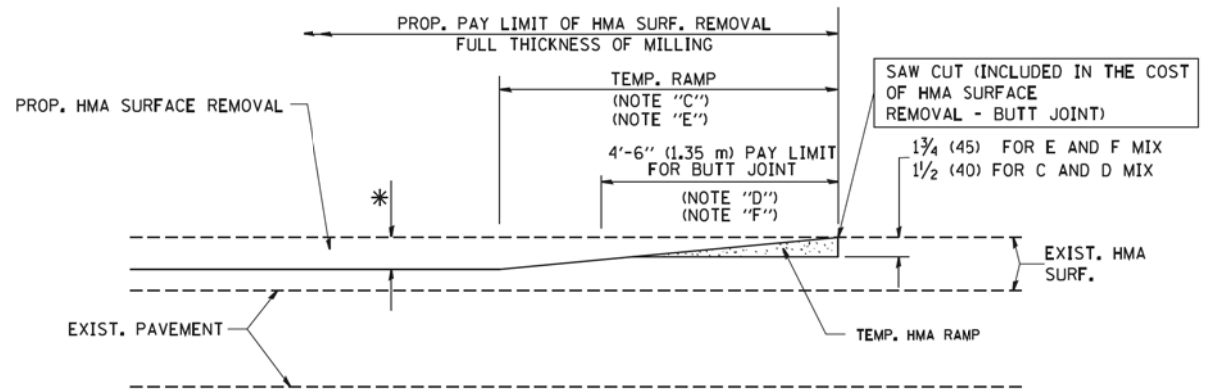
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	67
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

ROCKLAND ROAD



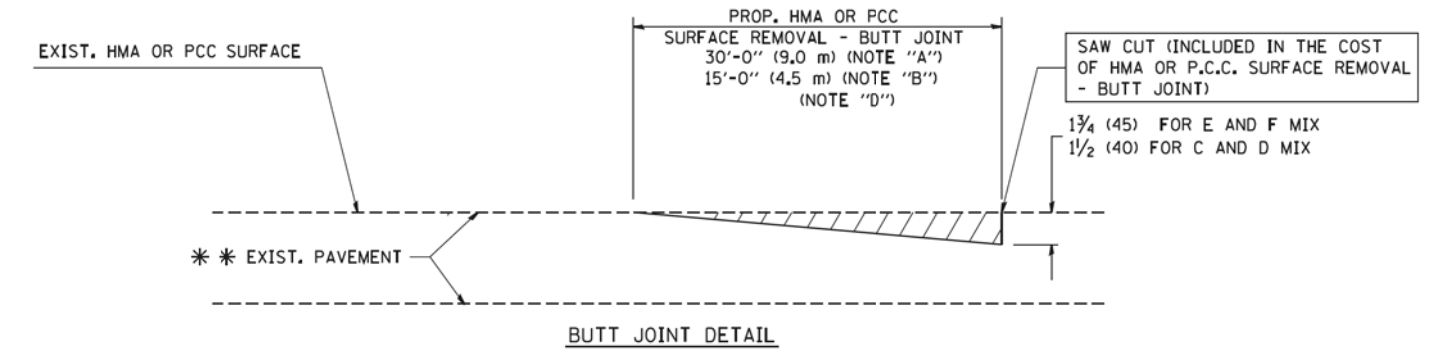
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

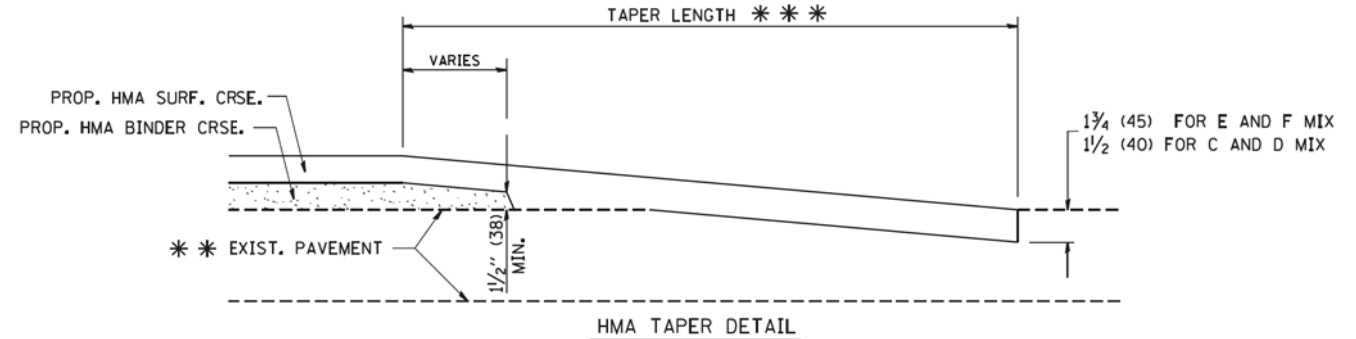


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

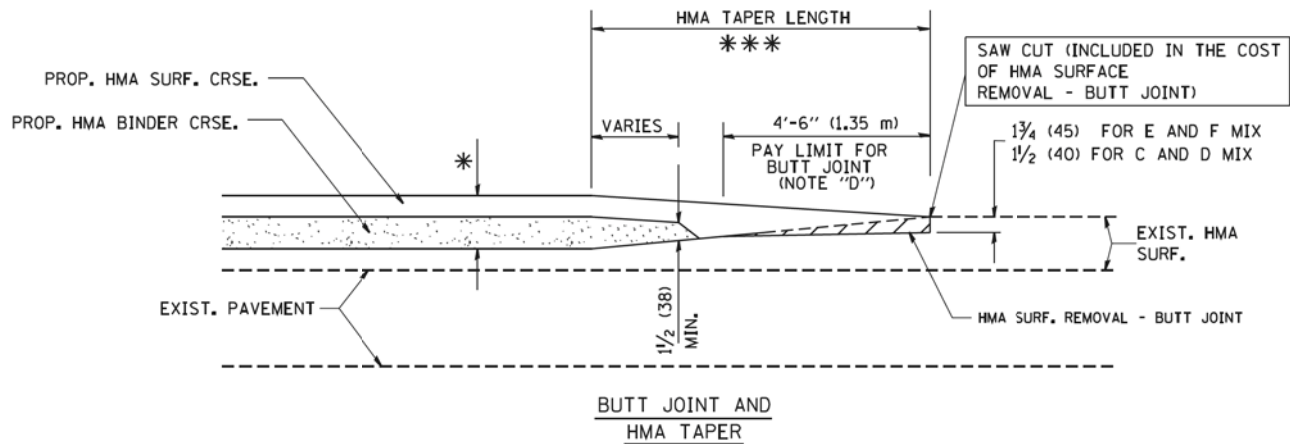
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

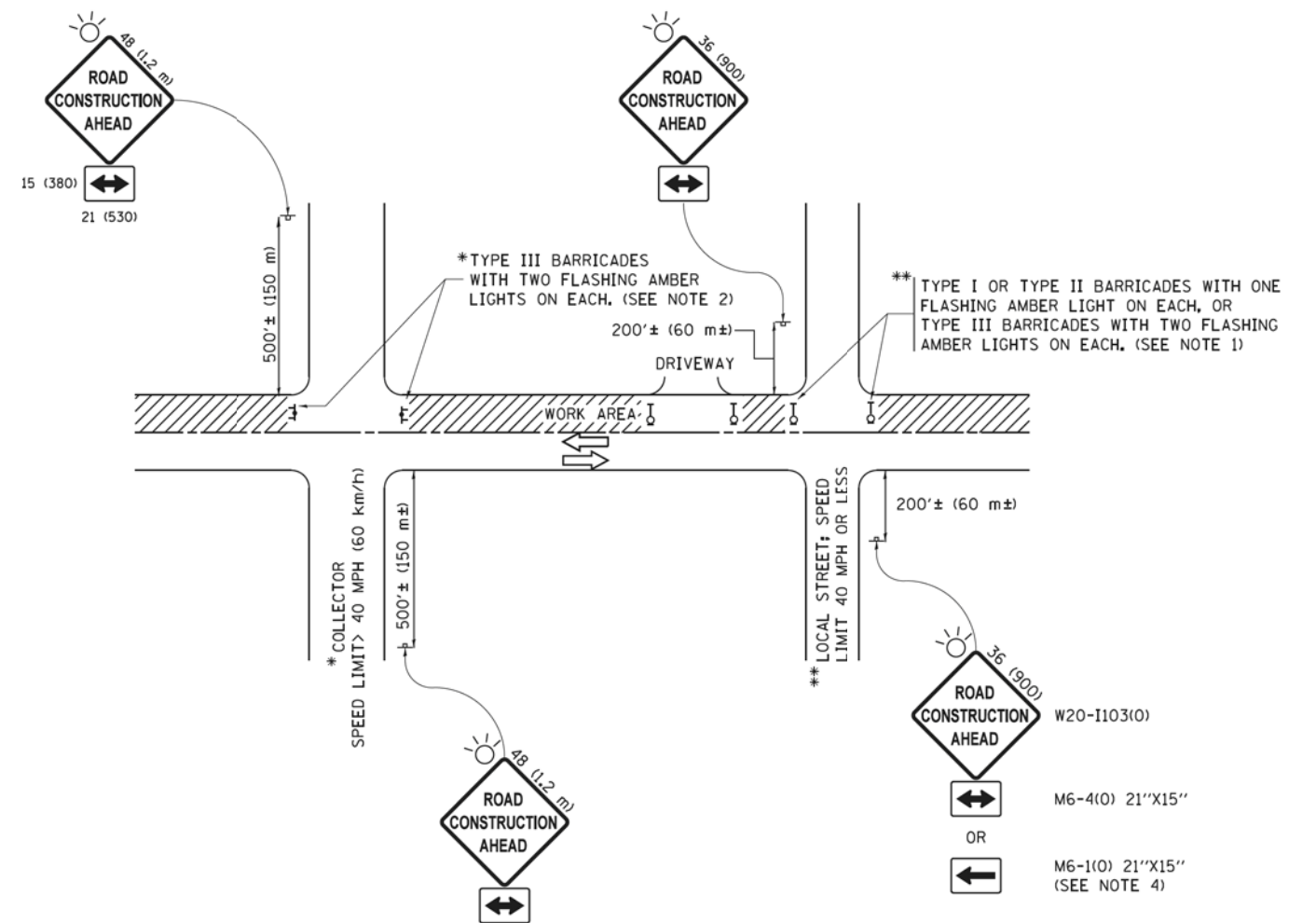
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	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	69
BD400-05 BD32			CONTRACT NO. 61G00	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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 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. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

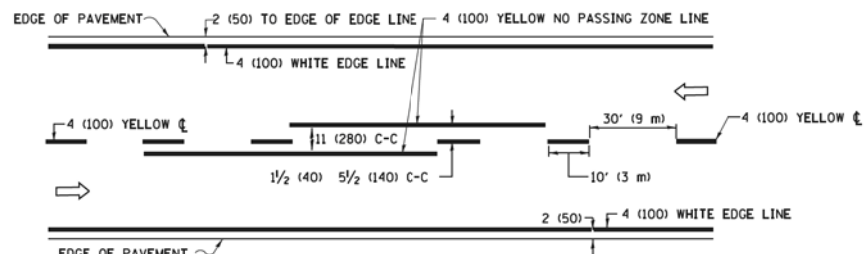
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

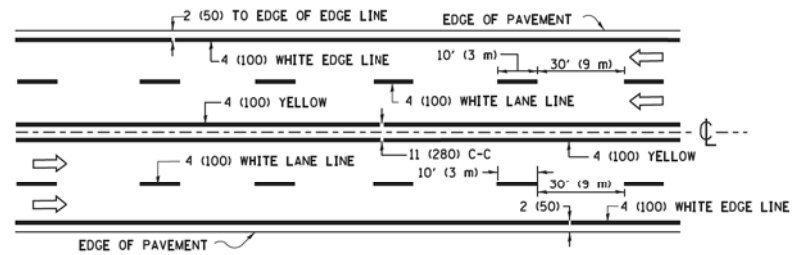
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

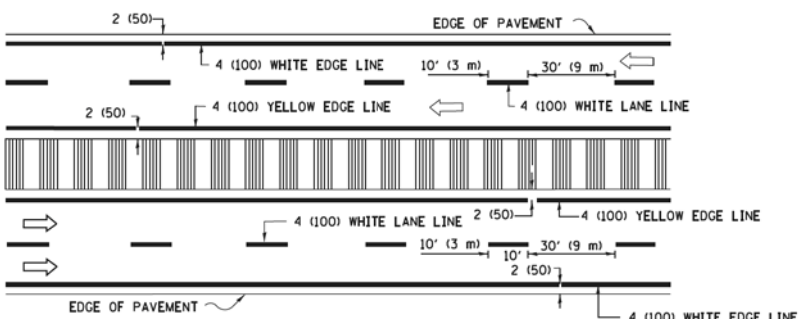
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1239	16-10130-02-WR	LAKE	106	70
TC-10			CONTRACT NO. 61G00	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

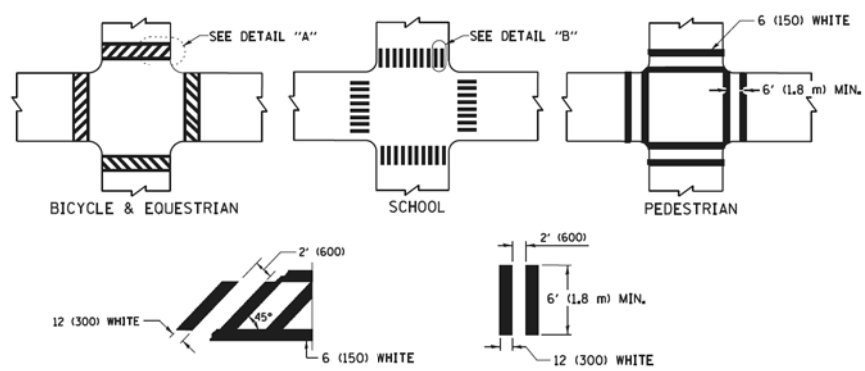


MULTI-LANE UNDIVIDED



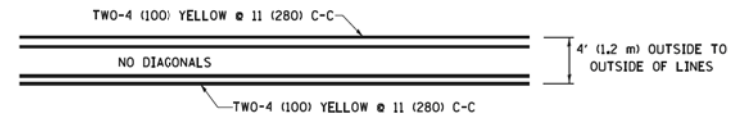
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

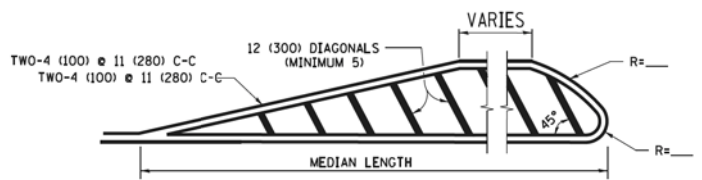


TYPICAL CROSSWALK MARKING

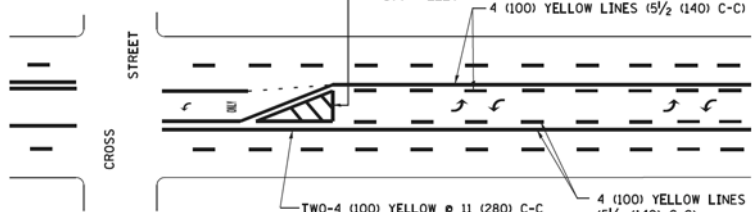
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



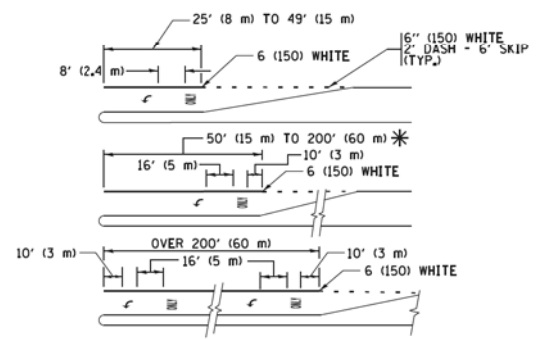
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



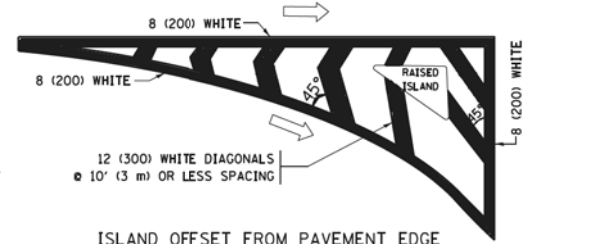
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



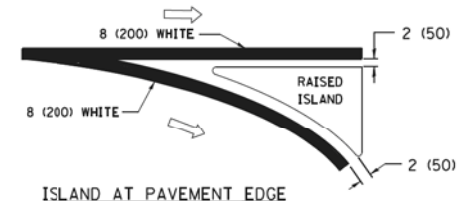
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

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

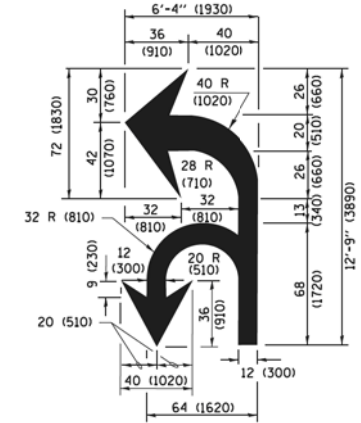
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



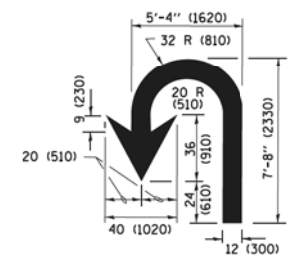
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS; 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (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 "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X" "X" = 54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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.

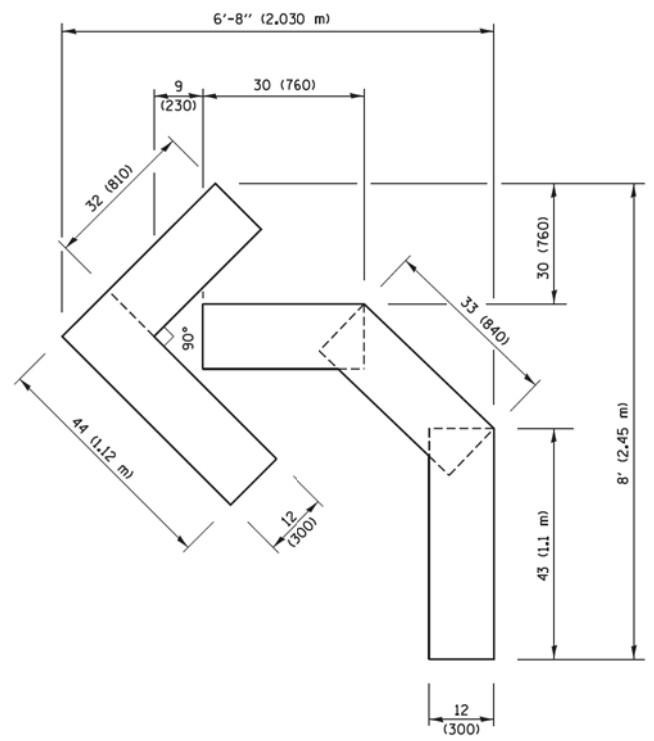
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Default	PLOT SCALE = 50,000' / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

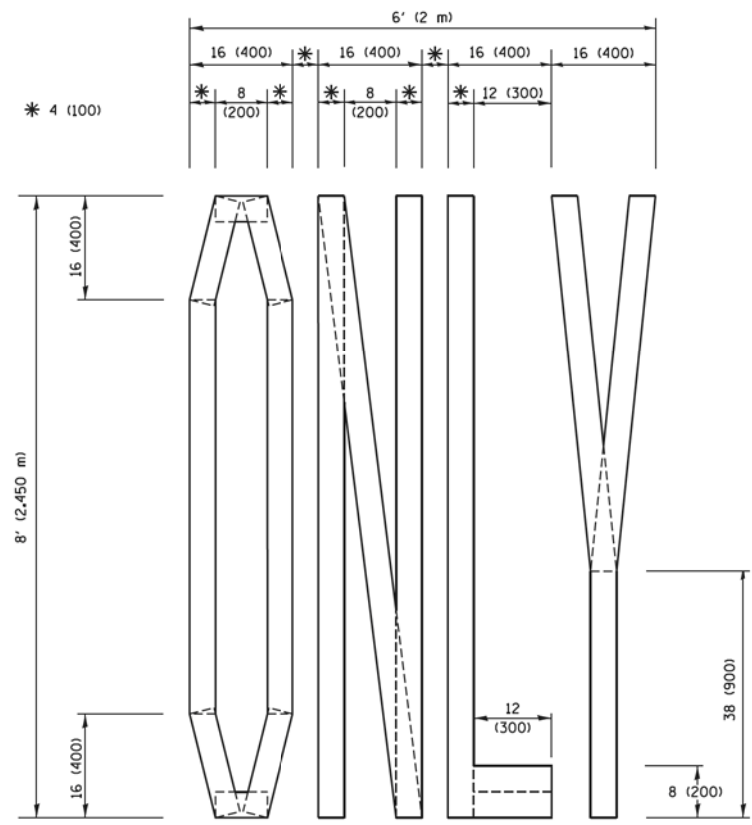
DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.
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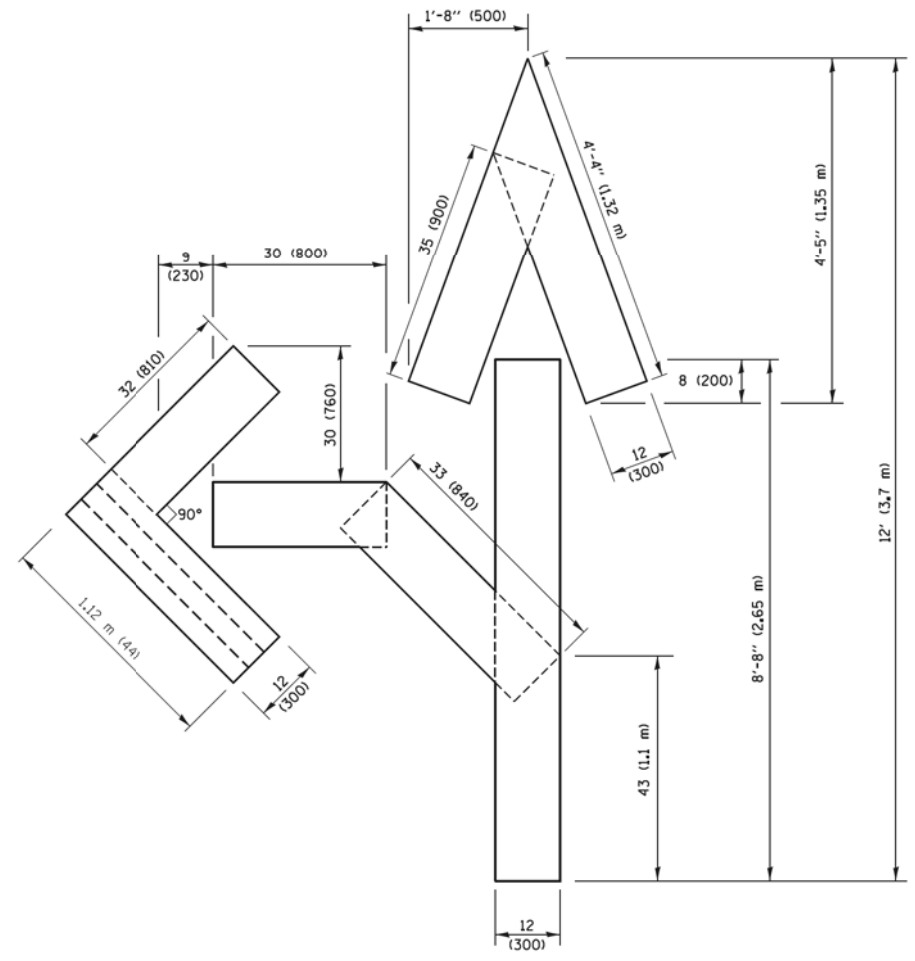
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	71
TC-13		CONTRACT NO. 61G00	ILLINOIS FED. AID PROJECT	



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

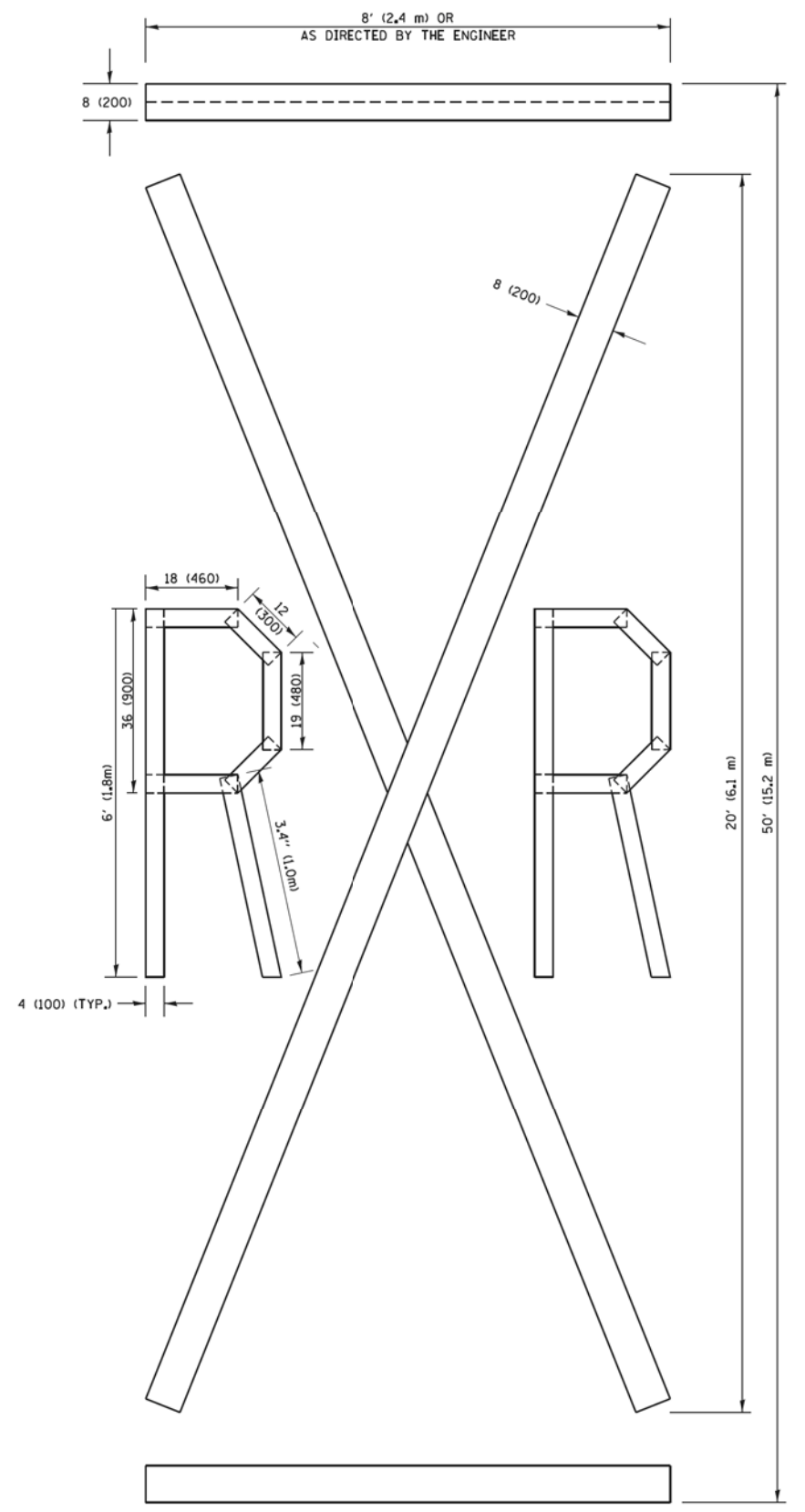


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

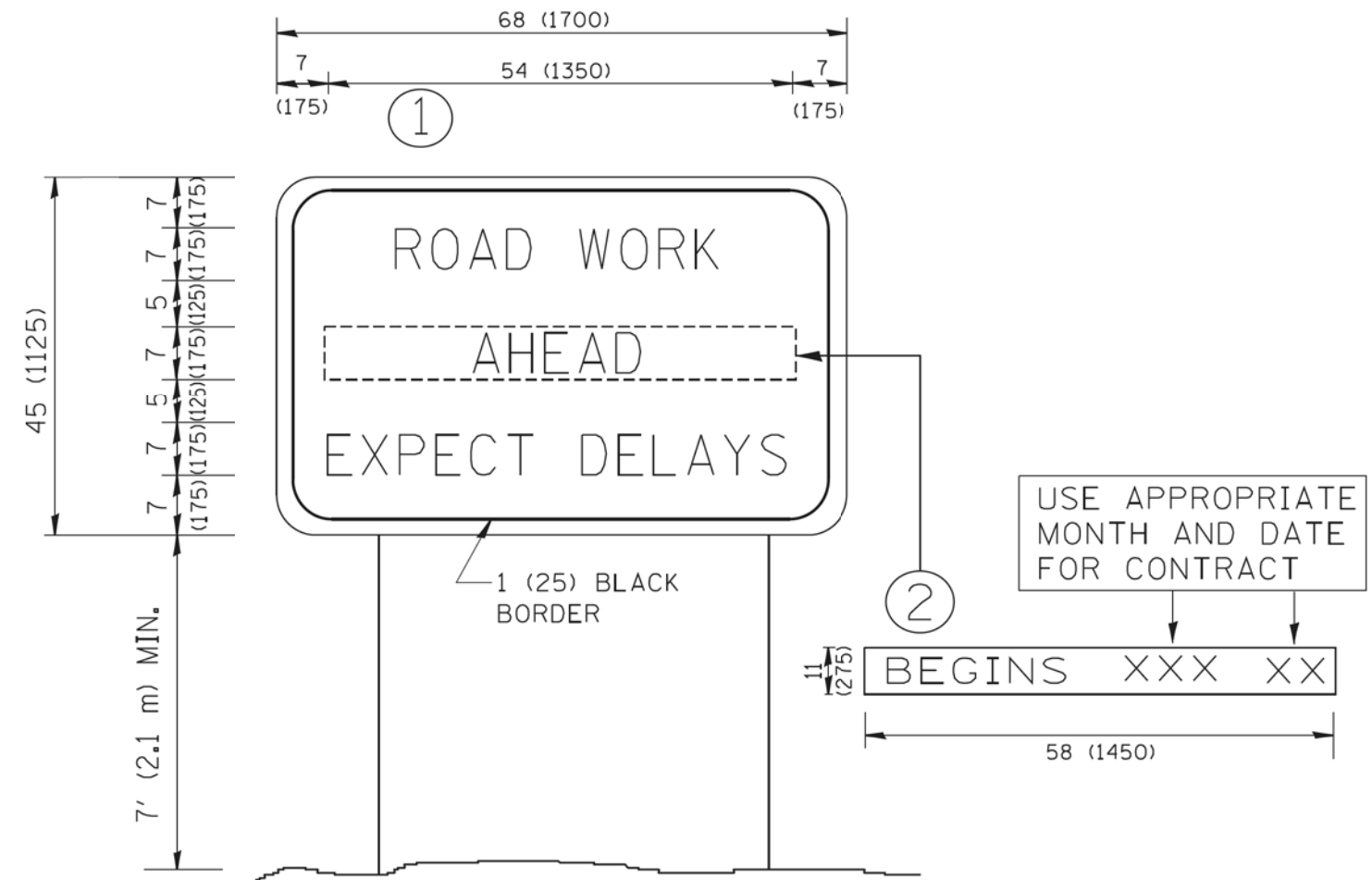
All dimensions are in Inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
pw\l\084EBID\INTEG\illinois.gov\PIW00T\Documents\DOT Offices\District 1\Projects\Dist 1\CA0\CA0Data\CA0sheets\tc16.dgn		DRAWN -	REVISED -E. GOMEZ 08-28-00
PLOT SCALE = 50,0000' / in.		CHECKED -	REVISED -E. GOMEZ 08-28-00
PLOT DATE = 9/15/2016		DATE -	REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	72
TC-16		CONTRACT NO. 61G00		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

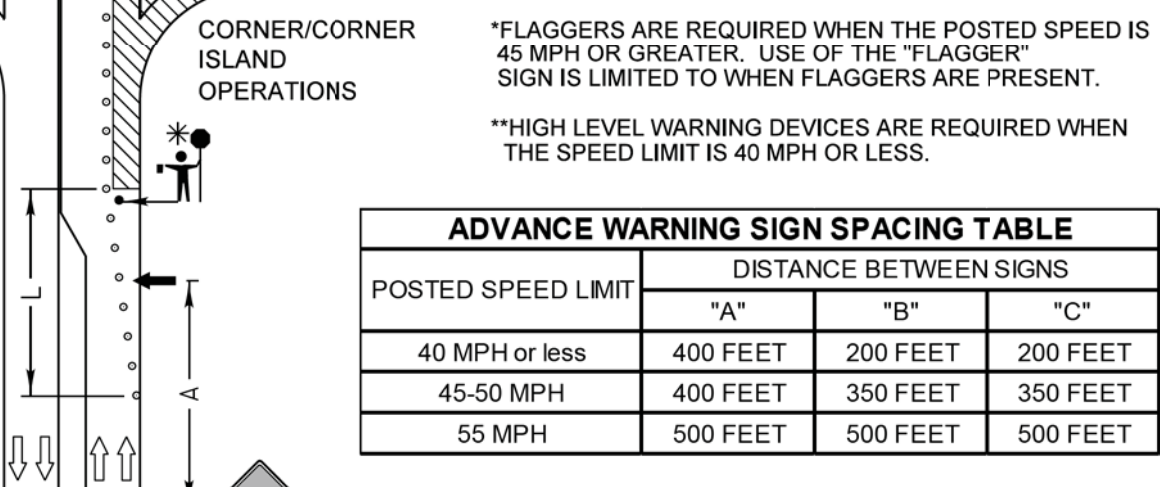
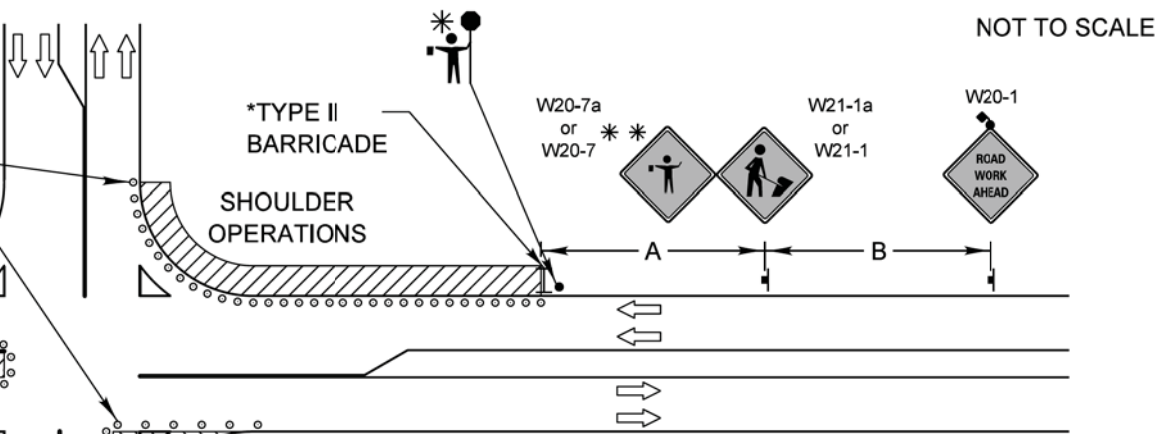
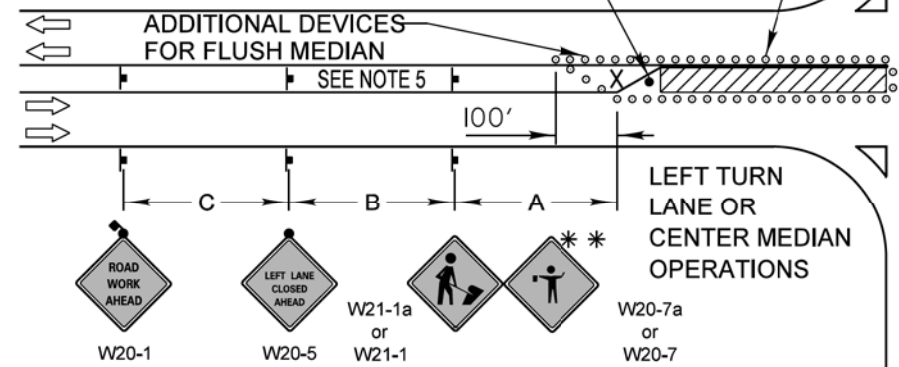
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME = W:\dststd\22x34\tc22.dgn	USER NAME = goglanobt	DESIGNED -	REVISED - R, MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
		DRAWN -	REVISED - R, MIRS 12-11-97		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	1239	16-10130-02-WR	LAKE	106	73
		PLOT SCALE = 50,000' / IN.	CHECKED -		REVISED - T, RAMMACHER 02-02-99			TC-22		CONTRACT NO. 61G00					
		PLOT DATE = 1/4/2008	DATE -		REVISED - C, JUCIUS 01-31-07	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT									

**TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
for HIGHWAY CONSTRUCTION, CONTRACT MAINTENANCE
and UTILITY OPERATIONS**

CONES AT 25' CENTERS FOR 250'. ADDITIONAL CONES MAY BE PLACED AT 50' CENTERS. WHEN BARRICADES ARE USED, THE DISTANCE BETWEEN DEVICES MAY BE DOUBLED.



*FLAGGERS ARE REQUIRED WHEN THE POSTED SPEED IS 45 MPH OR GREATER. USE OF THE "FLAGGER" SIGN IS LIMITED TO WHEN FLAGGERS ARE PRESENT.
**HIGH LEVEL WARNING DEVICES ARE REQUIRED WHEN THE SPEED LIMIT IS 40 MPH OR LESS.

POSTED SPEED LIMIT	DISTANCE BETWEEN SIGNS		
	"A"	"B"	"C"
40 MPH or less	400 FEET	200 FEET	200 FEET
45-50 MPH	400 FEET	350 FEET	350 FEET
55 MPH	500 FEET	500 FEET	500 FEET

SYMBOLS

- WORK AREA
- CONE, BARRICADE, OR DRUM
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- ARROW BOARD
- TYPE II BARRICADE W/TYPE A FLASHING LIGHT
- HIGH LEVEL WARNING DEVICE **
- FLAGGER WITH TRAFFIC CONTROL SIGN

GENERAL NOTE:

This Standard is used where at anytime, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

DESIGN NOTES:

- All warning signs shall have minimum dimensions of 48"x48". The Engineer may approve signs measuring 36"x36" when the posted speed limit is 30 mph or less.
- All signs not on the traveled way shall be post mounted if the closure time exceeds four calendar days. All signs shall be posted with the bottom of the sign not less than 7" above the edge of pavement. "NO PARKING" signs shall be installed throughout the work area at the discretion of the Engineer.
- The distance "L" shall be defined as:

SPEED	FORMULA
≤ 40 MPH	$L = (WS^2) / 60$
≥ 45 MPH	$L = LW \times S$

W = Width of Closure in FEET
S = Normal Posted Speed Limit in MPH
LW = Lane Width in FEET

- Type II barricades with Type C steady burning lights shall be used in lieu of cones for night operations. All cones and barricades shall be according to IDOT Standard 701901.
- For raised median operations, where the raised median is less than 10' signing shall not be installed on the median. No signing shall be installed on any painted median.
- If the work operation is performed between 9:00 am and 3:00 pm and the work does not exceed 15 minutes, the traffic protection shall be as shown for IDOT Standard 701301. Signs, when required, shall be at the spacing specified in the advance warning sign spacing table.
- If the work area is in the parking lane and the parking exists during work hours, a "ROAD WORK AHEAD" sign shall be installed in advance of work area at the spacing specified in the Advance Warning Sign Spacing Table and the area protected with cones or barricades.
- Type A flashing lights shall be used on each approach in advance of the work area during hours of darkness and installed above the first two sign in each series and the high level warning devices.
- Longitudinal dimensions may be adjusted to fit field conditions.
- Form: BT 725 is required.

**MODIFIED IDOT
STANDARD 701701-10**

REVISIONS	DATE
Revised IDOT Reference	2/1/08
Title Block Revision	8/1/09
Reformat LCDOT Standard	7/15/10
Removed "Worker" & "Flagger" signs	6/26/12
Updated IDOT Standard Version #	3/29/16

Lake County
Division of Transportation

APPROVED BY: ANTHONY KHAWAJA
DATE: APRIL 1, 2007

**URBAN LANE CLOSURE
MULTILANE INTERSECTION**

LC7003

MODEL: 4100BELNAMES
FILE: Mainfile_031323_Construction_details.dgn

USER NAME = djk	DESIGNED - JAT	REVISED -
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

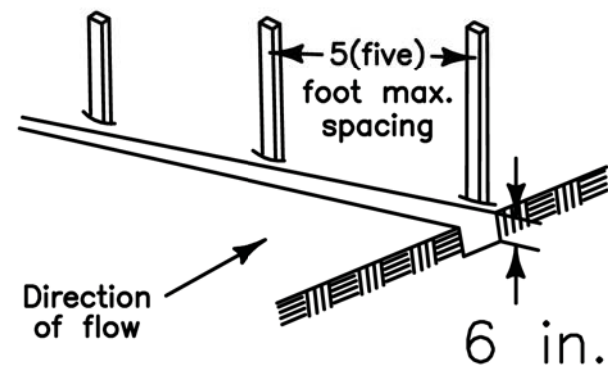
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
CONSTRUCTION DETAILS**

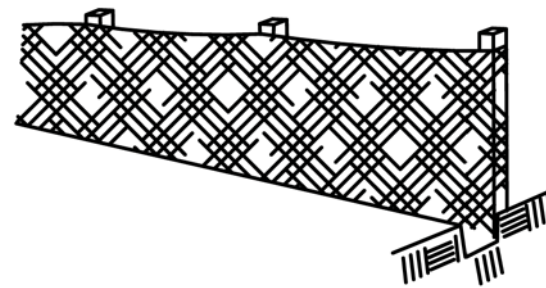
SHEET 1 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	74
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

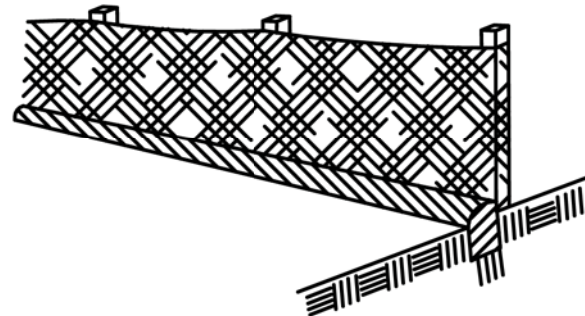
1. Set posts and excavate or slit-trench a 6-inch deep trench upslope along the line of the post



2. Attach the geotextile filter fabric to each post with a minimum of 3 (three) fasteners per post and extend to the bottom of the trench. Acceptable fasteners include staples, zip ties, or wire ties

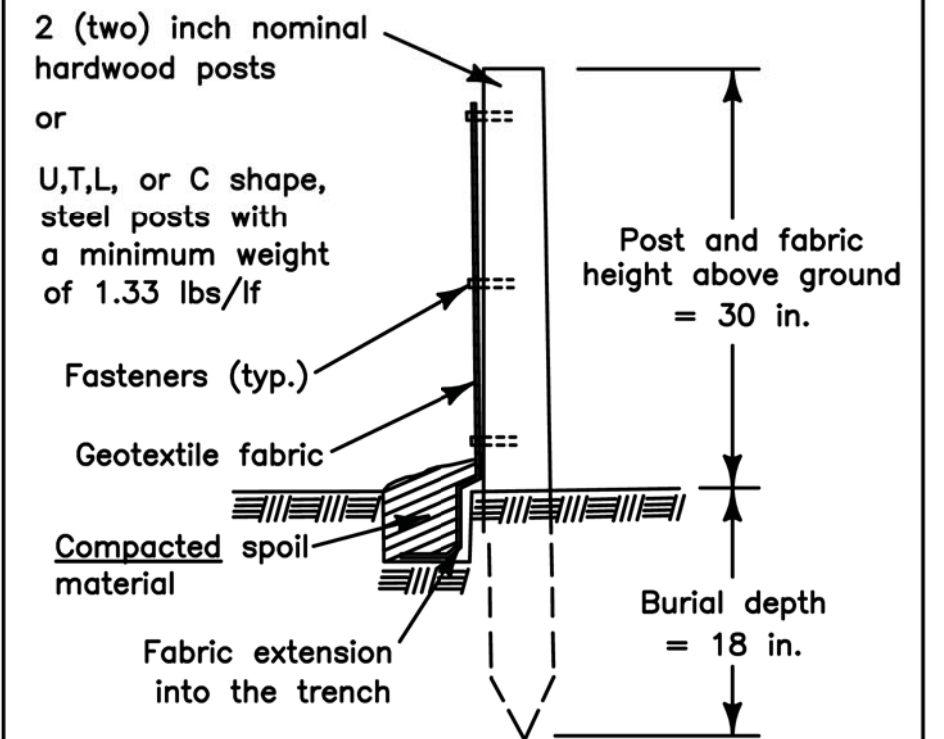


3. Backfill and compact the excavated spoil materials



Geotextile Requirement	Test Method	MARV
Grab strength	ASTM D 4632	
- Machine direction		550 N
- X-machine direction		450 N
Permittivity	ASTM D 4491	0.05 sec-1
Apparent opening size*	ASTM D 4751	0.60 mm
Ultraviolet stability (retained strength)	ASTM D 4355	70% after 500 hours

Note:
Value for apparent opening size represents maximum average roll value.



SILT FENCE DETAIL

DATE: 4/21/08 BY: KAW

REVISED: BY:



STORMWATER MANAGEMENT COMMISSION

MODEL: 44002ELNAMES
FILE: MAME_031323_Construction_details.dgn

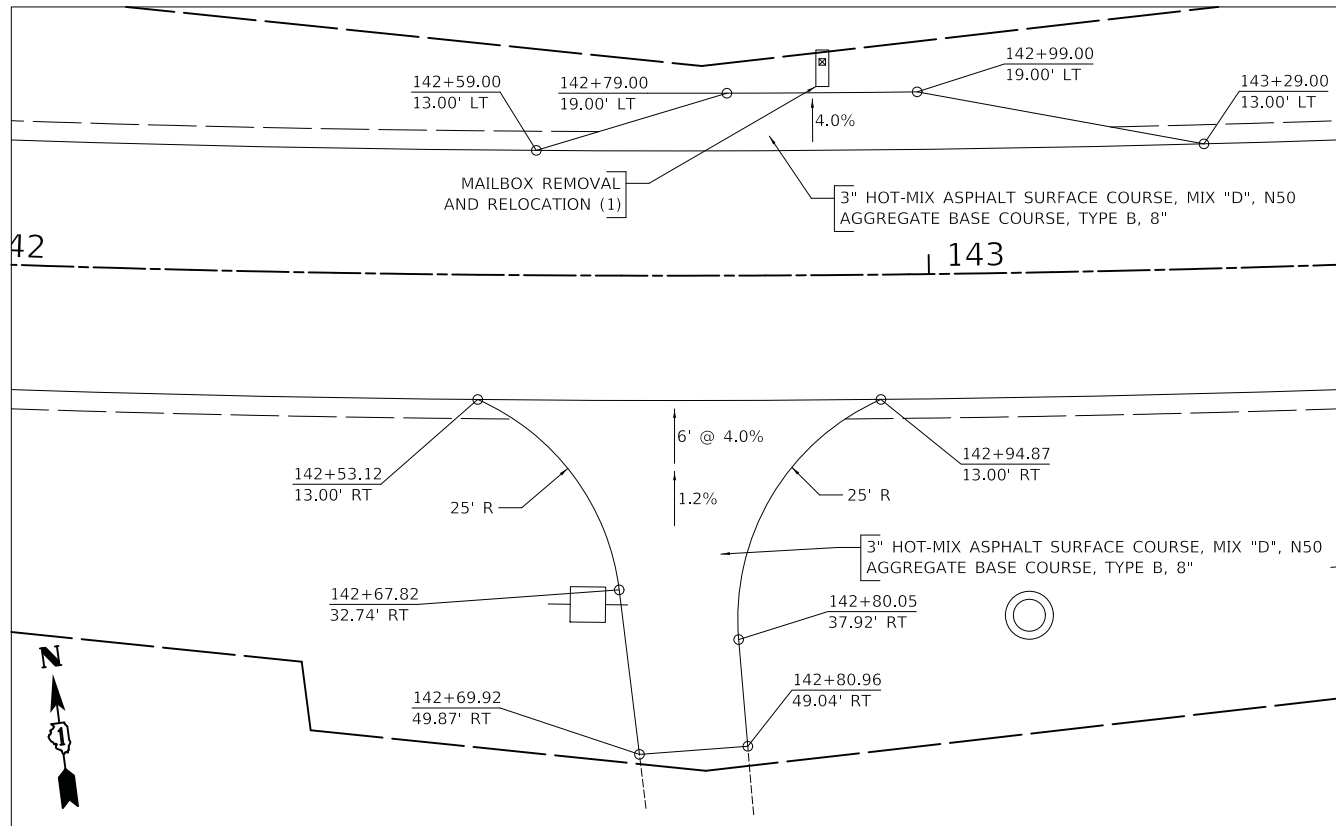
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	DRAWN - JAT	REVISED -
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

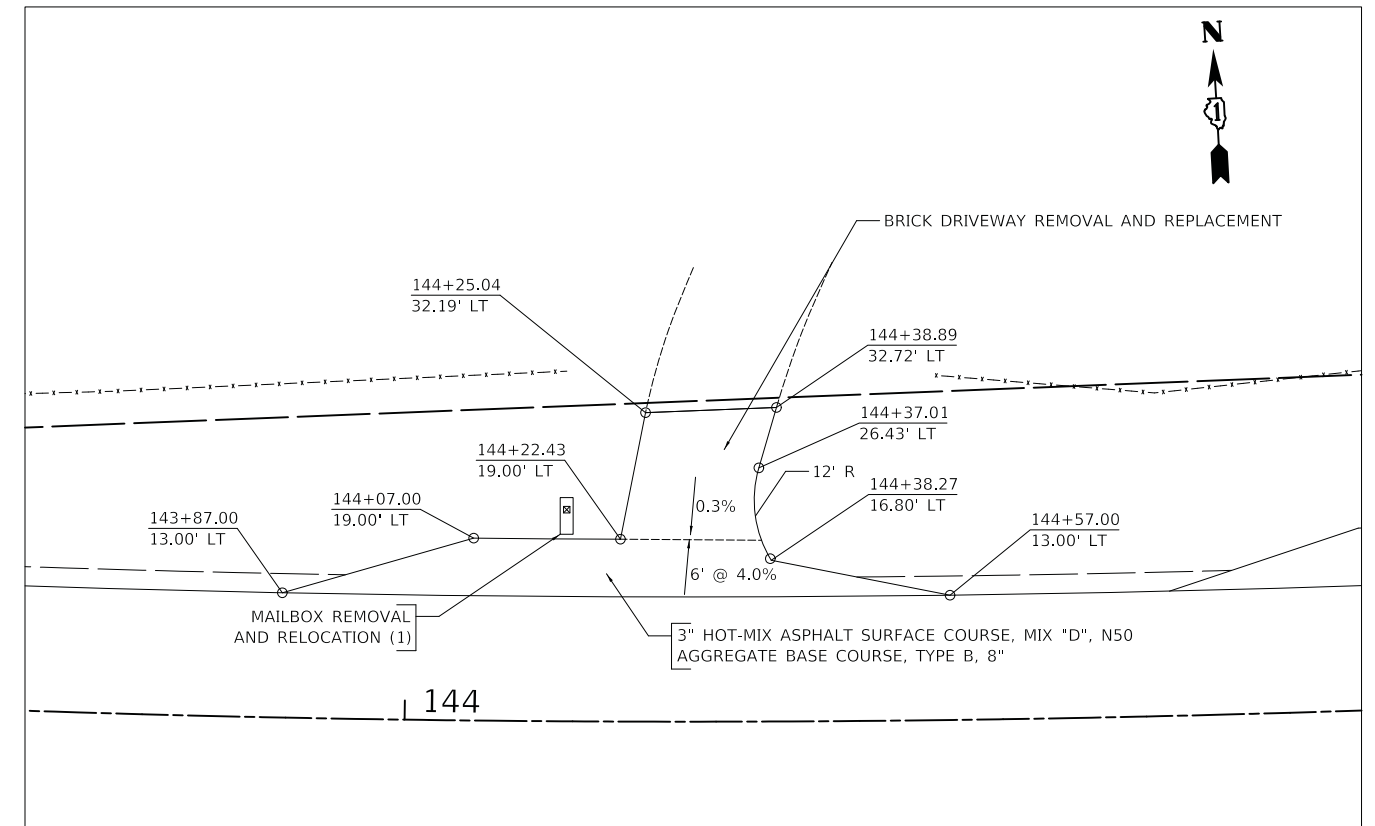
ROCKLAND ROAD
CONSTRUCTION DETAILS

SHEET 2 OF 3 SHEETS

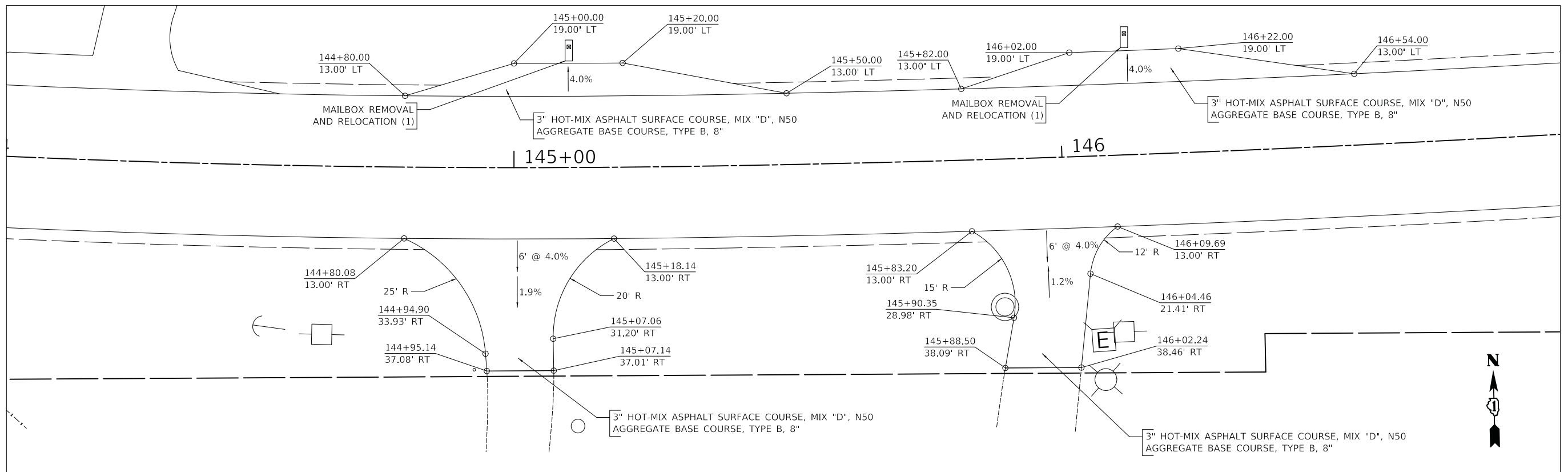
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1239	16-10130-02-WR	LAKE	106	75
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



DRIVEWAY AT STA. 142+74.0



DRIVEWAY AT STA. 144+29.8



DRIVEWAYS AT STA. 144+99.1 AND STA. 145+96.4



MODEL: s:\MODEL\NAME\$ FILE: NAME.dwg 11/13/23 Entrance_Details.dgn

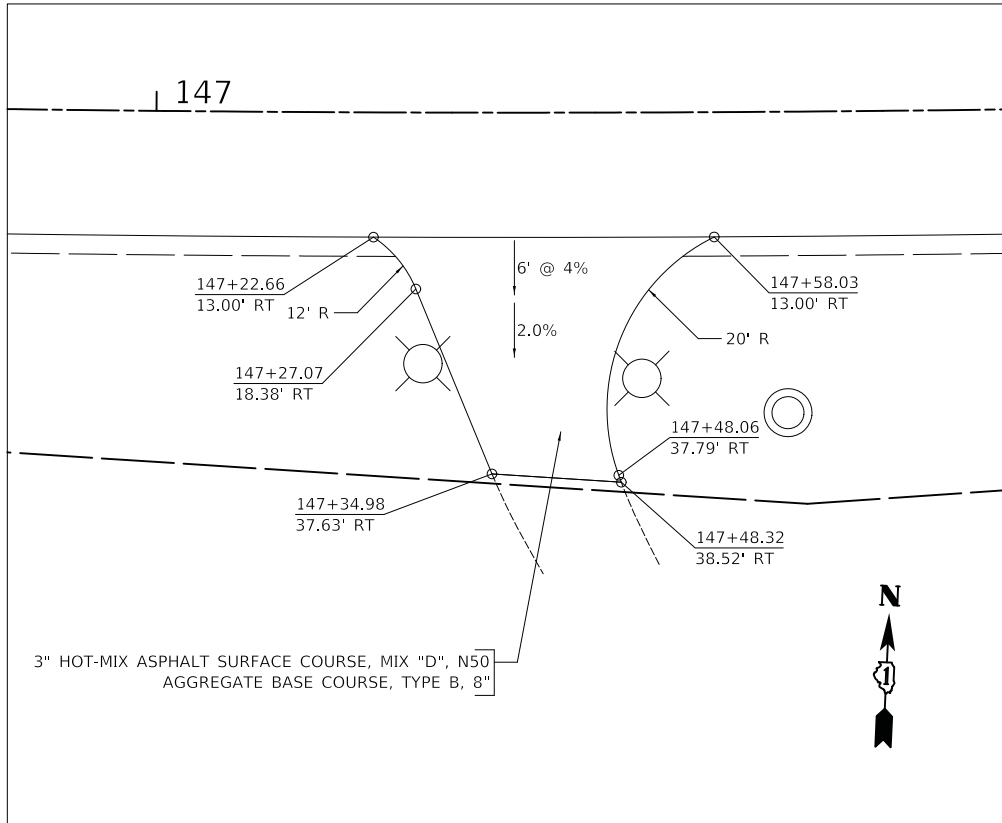
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DRAWN - JAT	REVISED -	
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

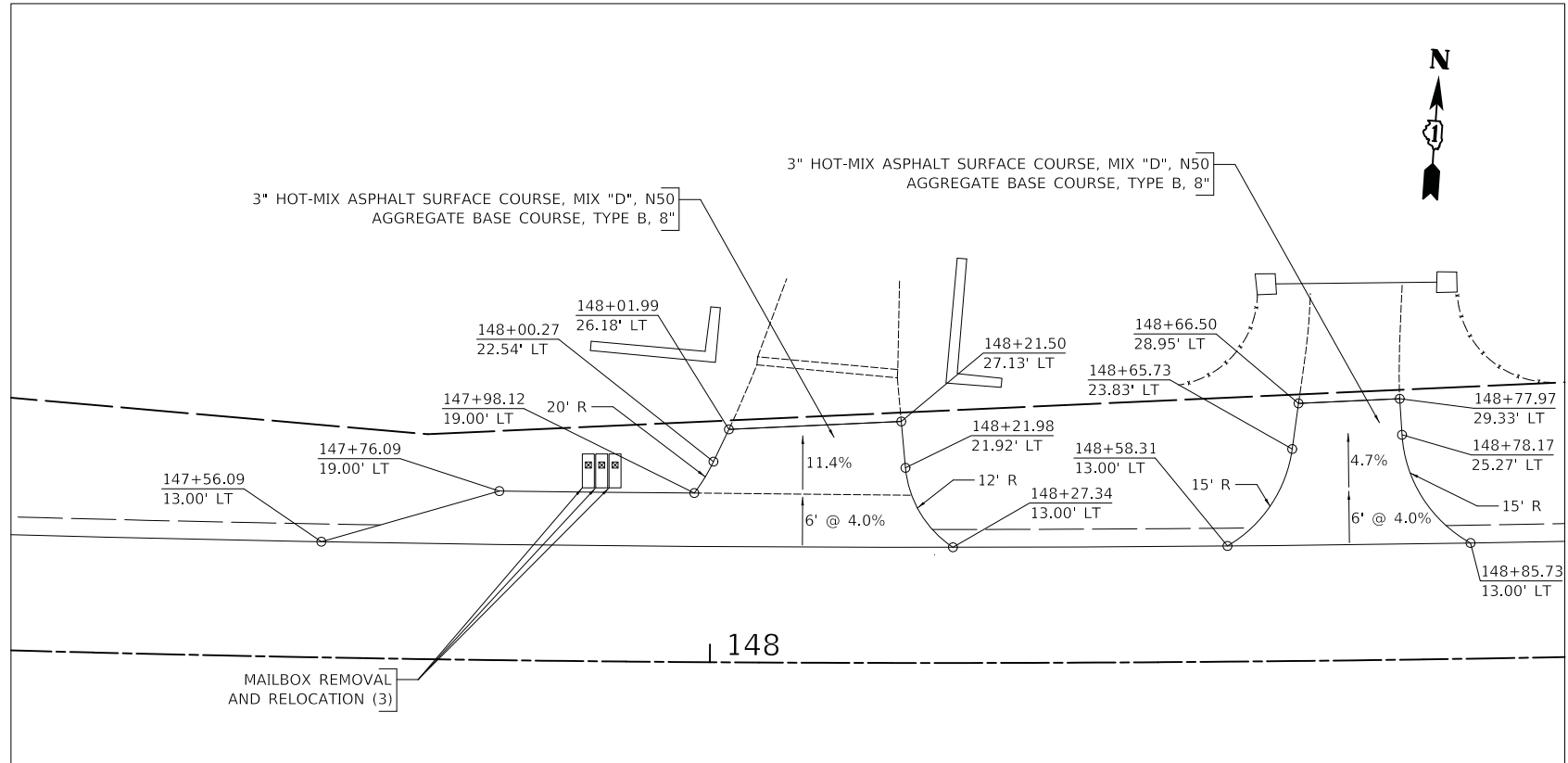
**ROCKLAND ROAD
DRIVEWAY DETAILS**

SCALE: 1" = 10' SHEET 1 OF 5 SHEETS

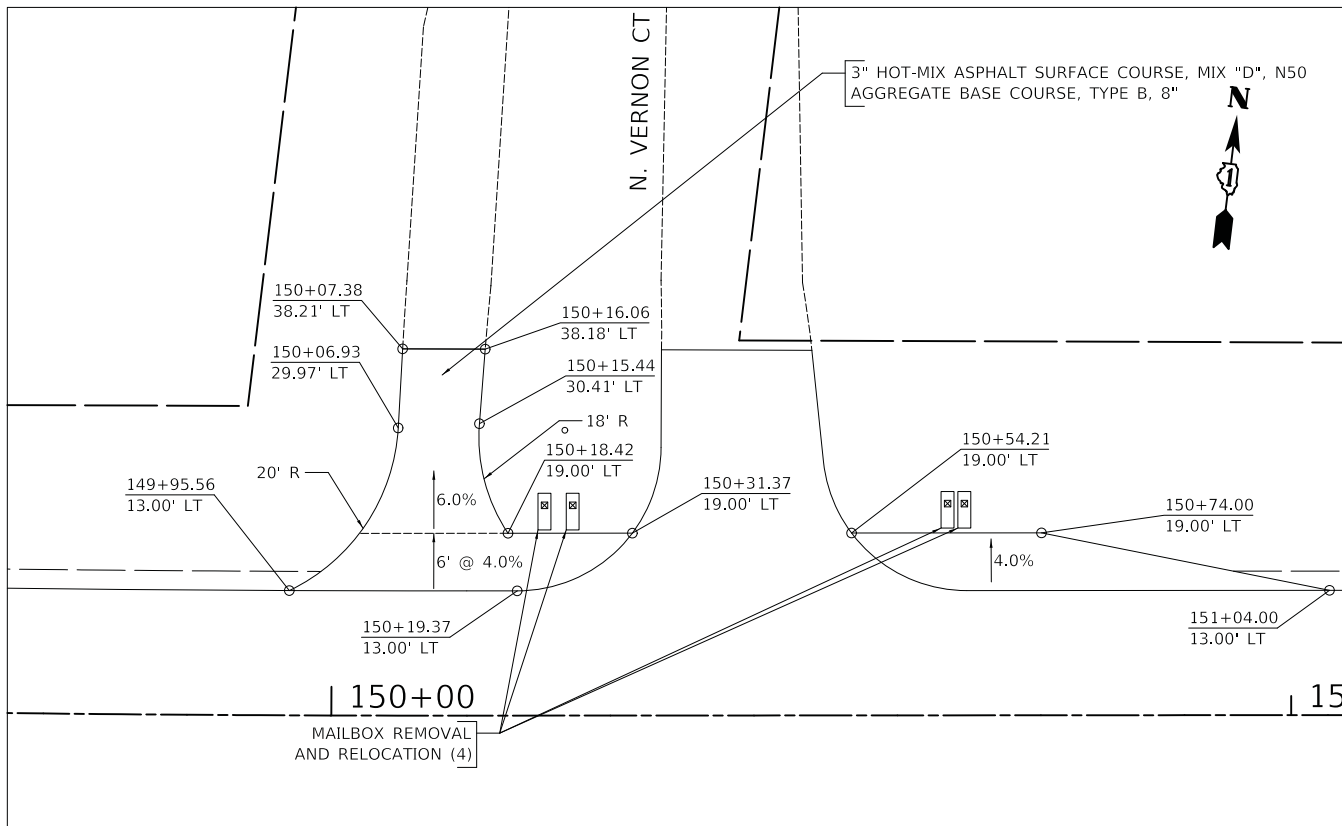
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1239	16-10130-02-WR	LAKE	106	77
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



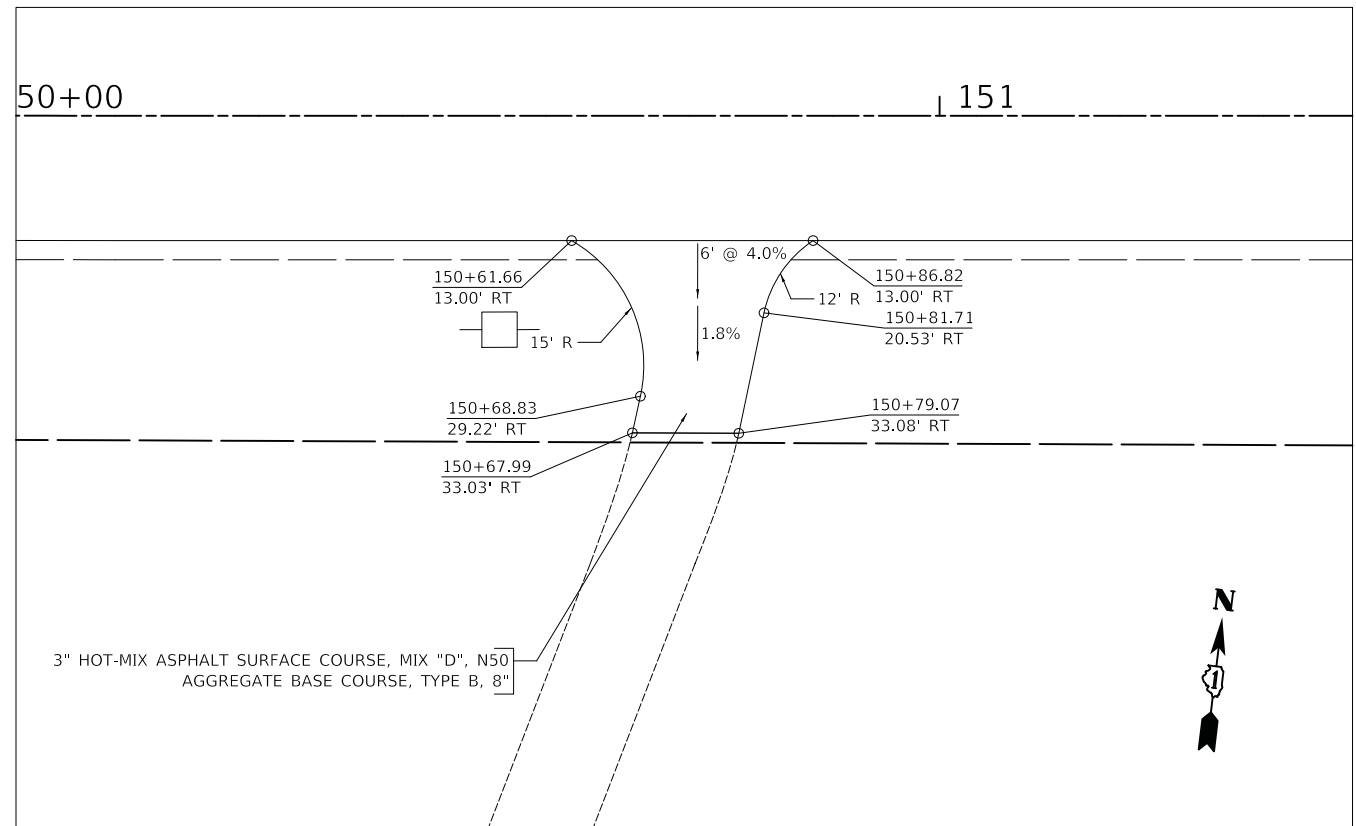
DRIVEWAY AT STA. 147+40.3



DRIVEWAYS AT STA. 148+09.1 AND STA. 148+72.0



DRIVEWAY AT STA. 150+10.4



DRIVEWAY AT STA. 150+74.2



MODEL: s:\MODEL\NAME\$ FILE: NAME_013723_Entrance_Details.dgn

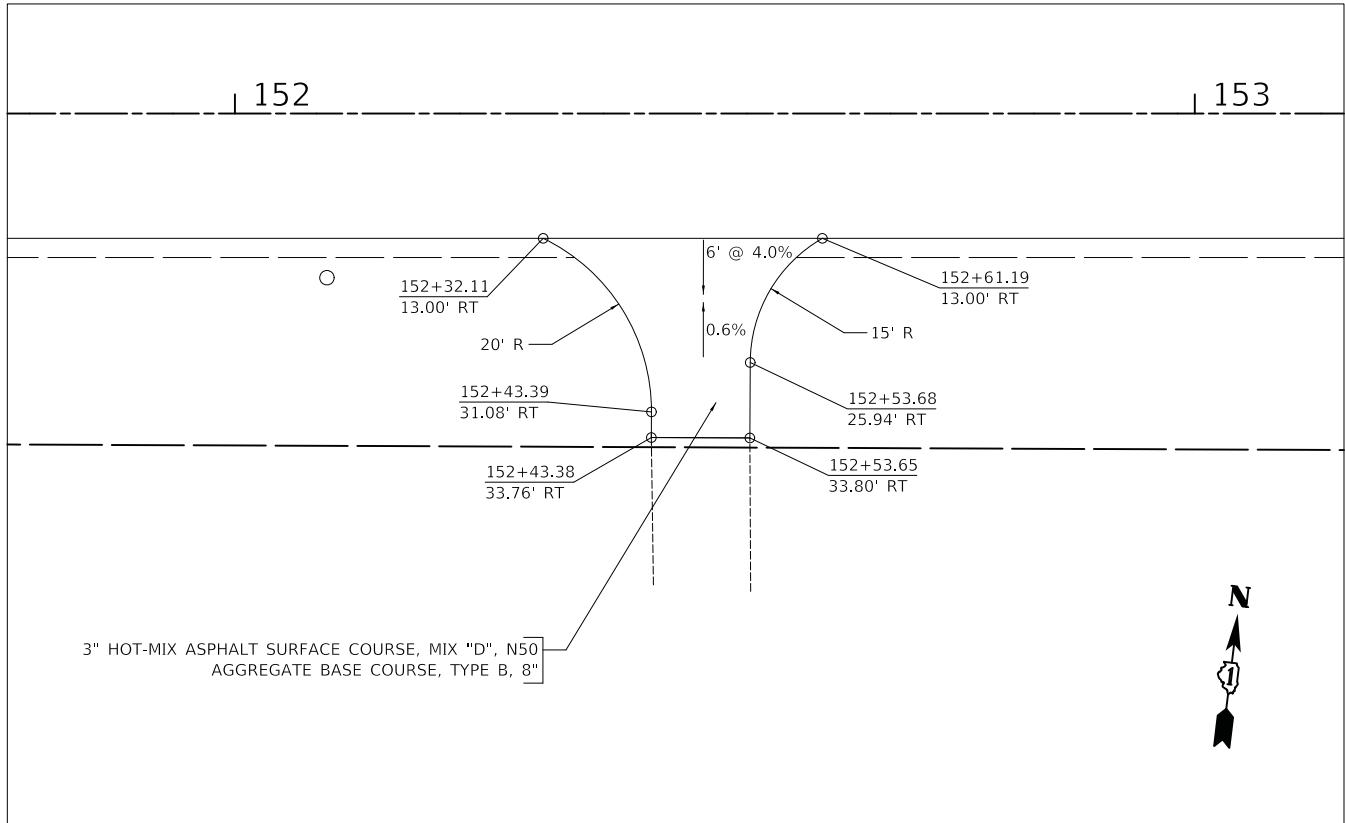
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DRAWN - JAT	REVISIONS -	
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

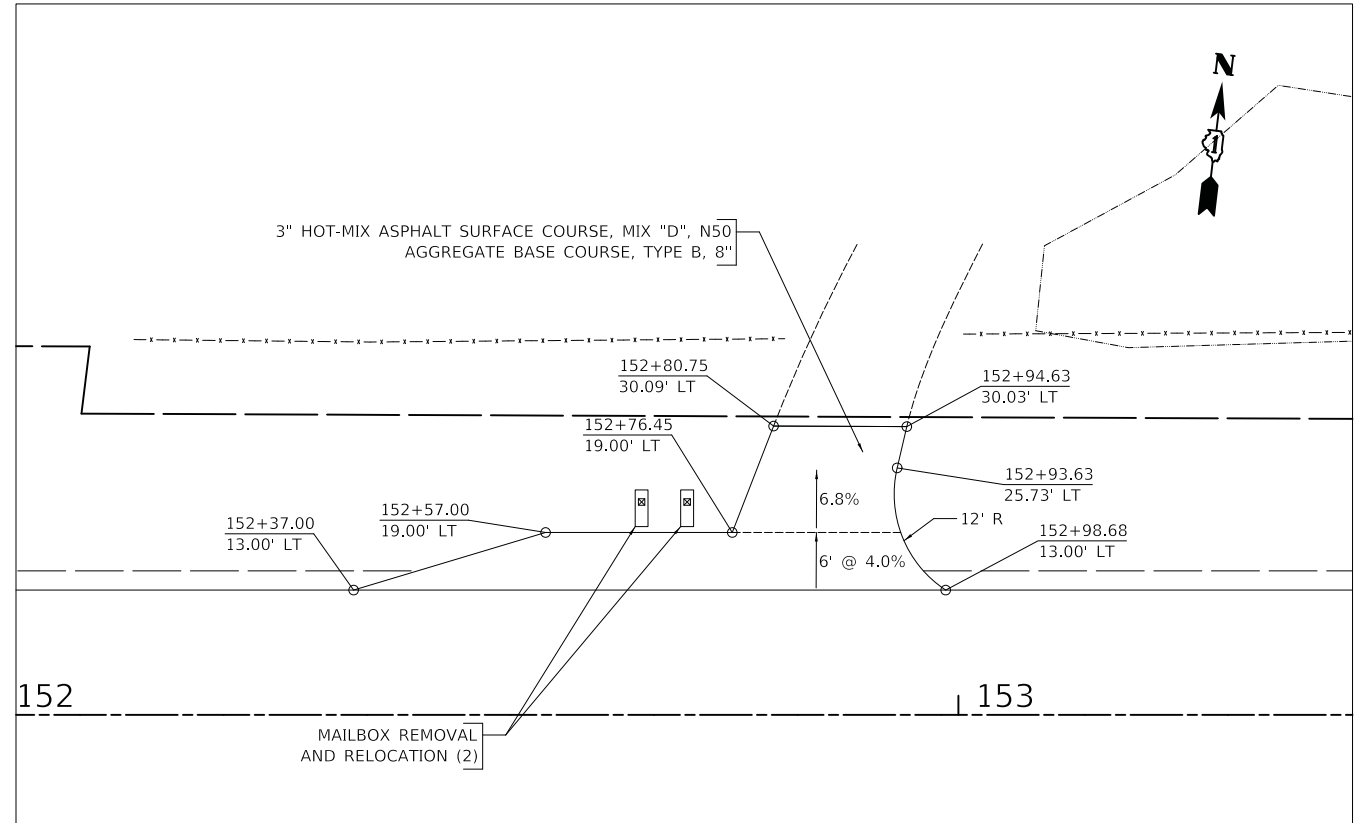
**ROCKLAND ROAD
DRIVEWAY DETAILS**

SCALE: 1" = 10' SHEET 2 OF 5 SHEETS

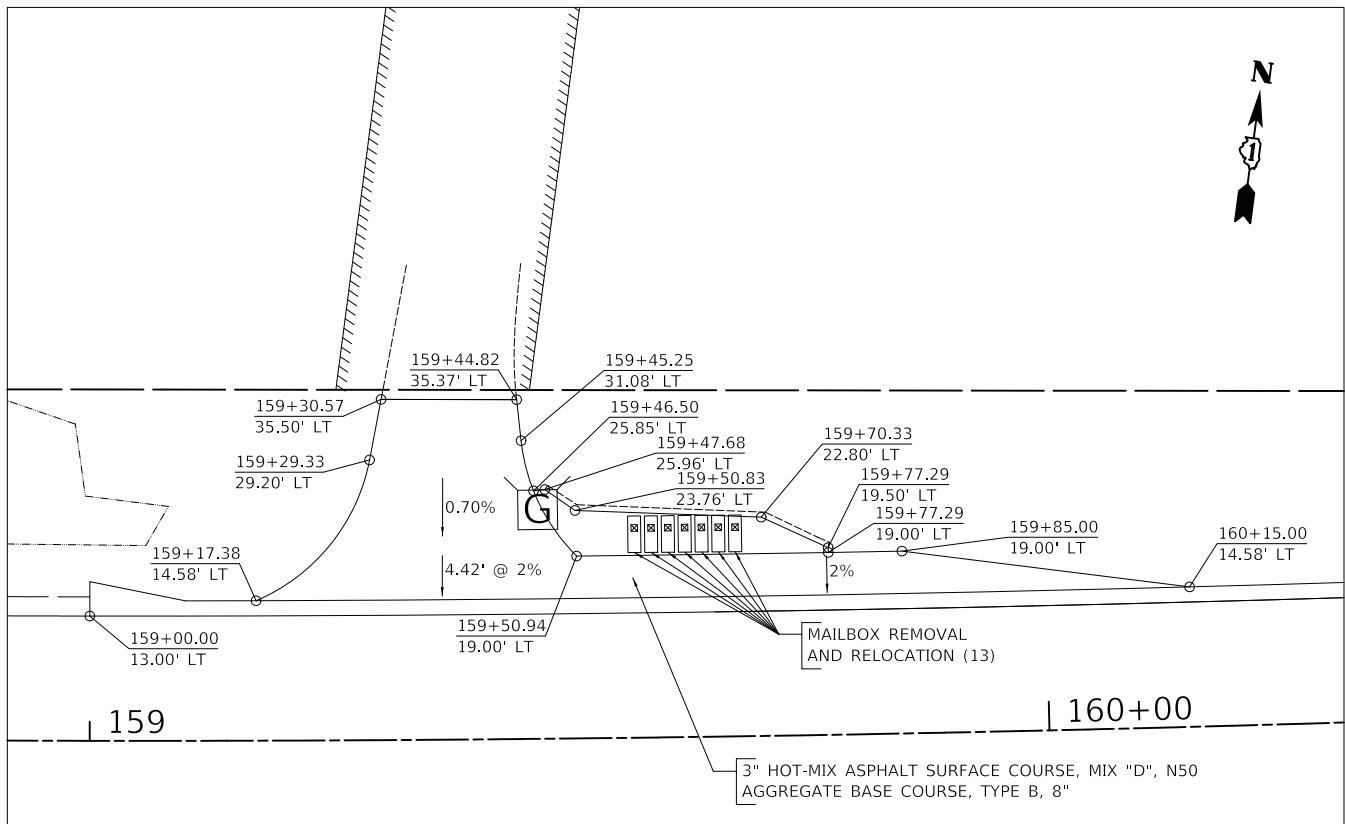
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	78
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



DRIVEWAY AT STA. 152+46.7



DRIVEWAY AT STA. 152+85.2



MAILBOX TURNOUT AT STA. 159+37.70



MODEL: s:\MODEL\NAME\$ FILE: NAME.dwg: 3/27/2019 Entrance_Details.dwg

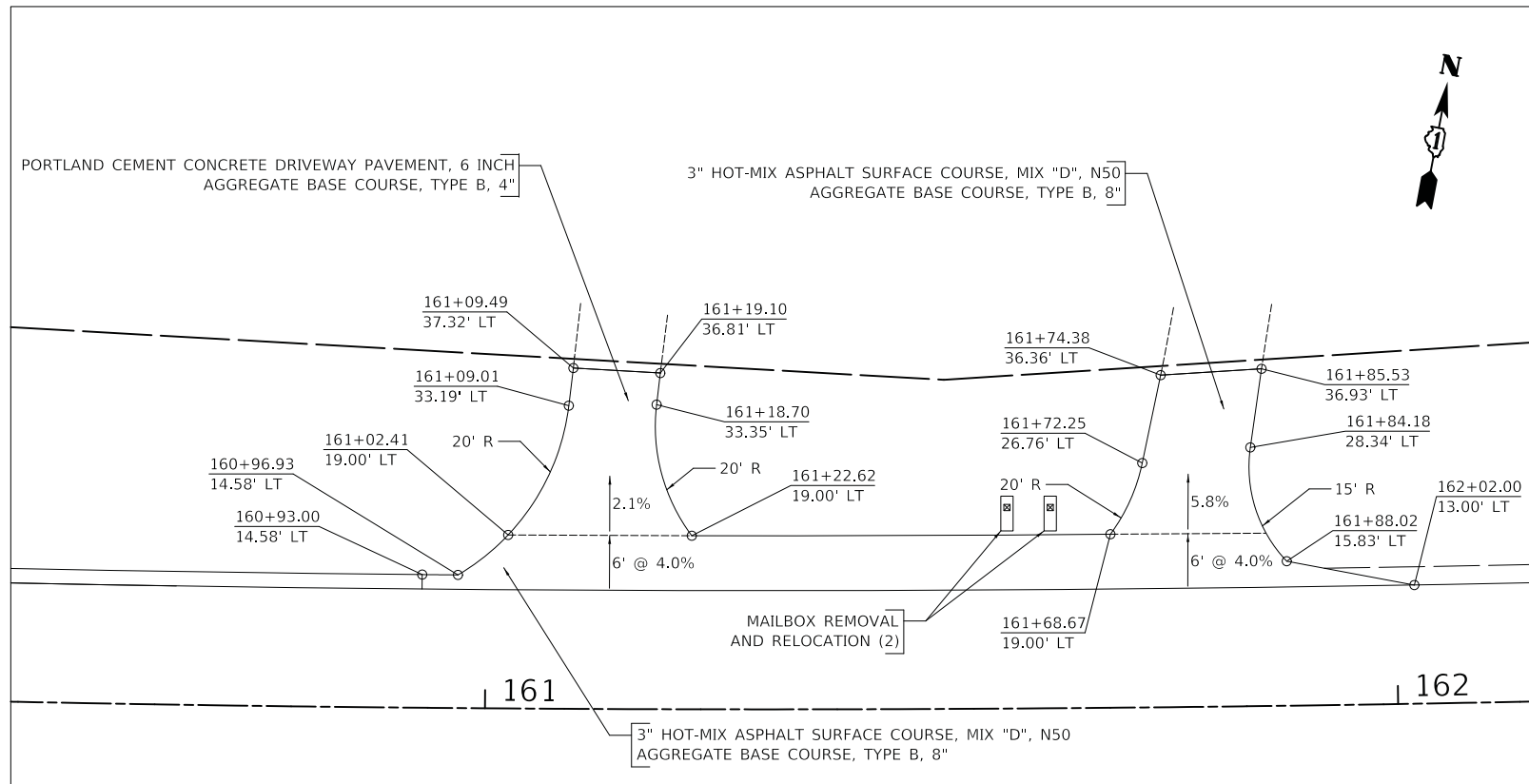
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DRAWN - JAT	REVISED -	
PLOT SCALE = 10.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

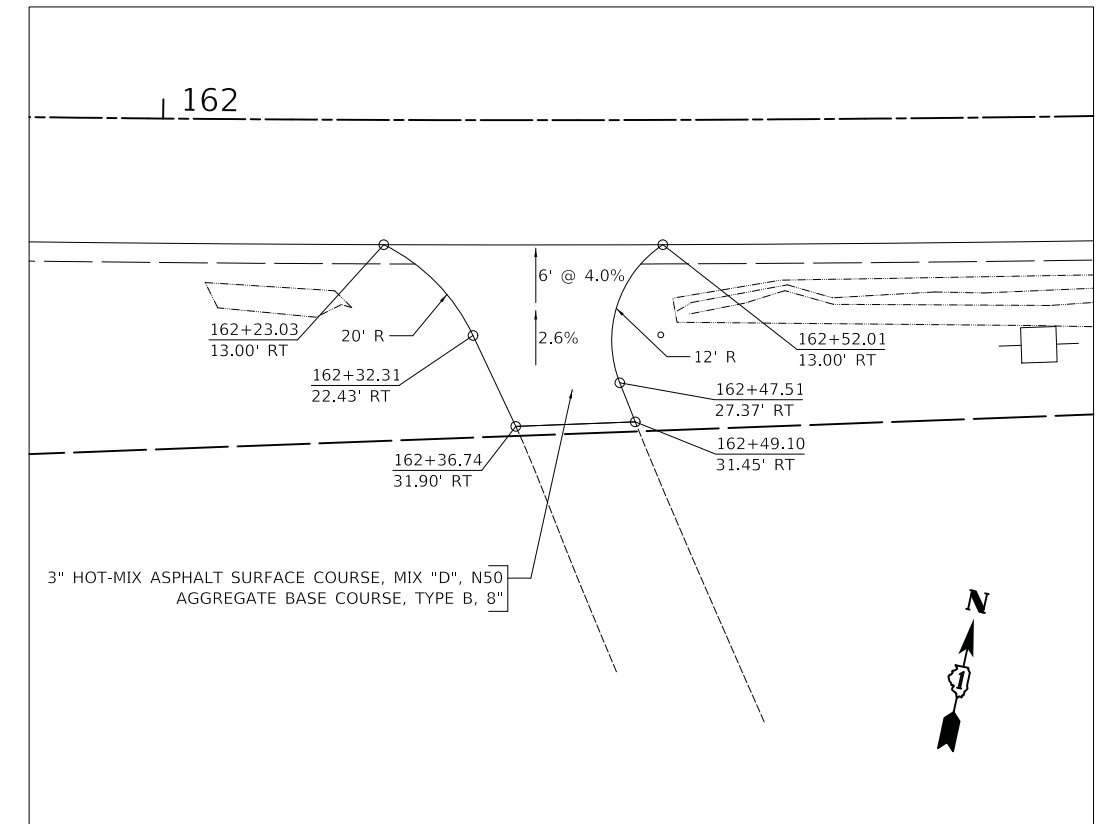
**ROCKLAND ROAD
DRIVEWAY DETAILS**

SCALE: 1" = 10' SHEET 3 OF 5 SHEETS

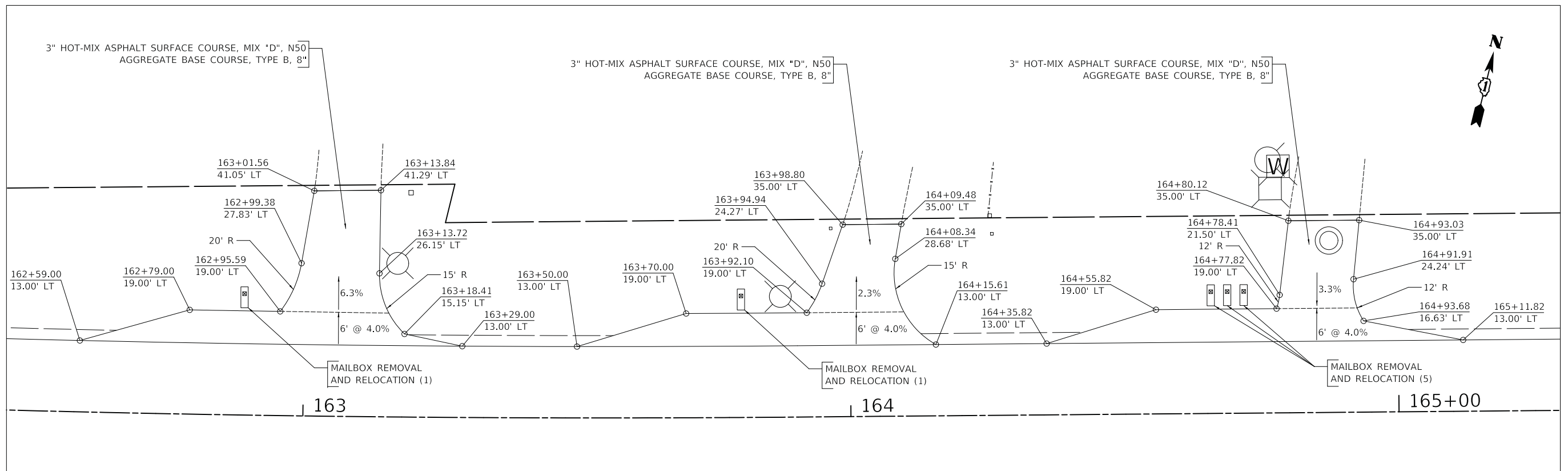
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	79
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



DRIVEWAYS AT STA. 161+11.9 AND STA. 161+76.5



DRIVEWAY AT STA. 162+37.5



DRIVEWAYS AT STA. 163+04.8 STA. 164+00.2 AND STA. 164+85.2



MODEL: s:\MODEL\NAME\$ FILE: NAME...13723 Entrance_Details.dgn

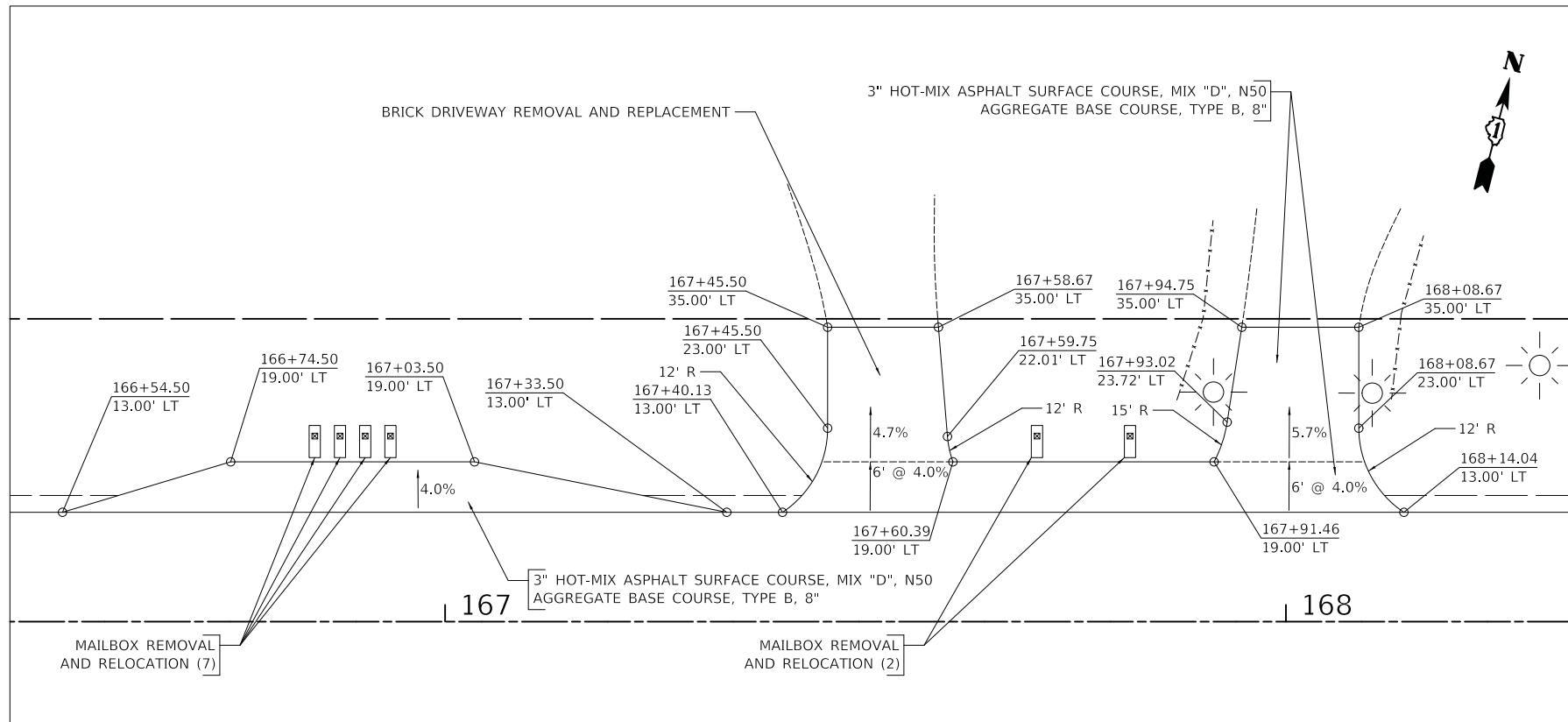
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DRAWN - JAT	REVISED -	
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

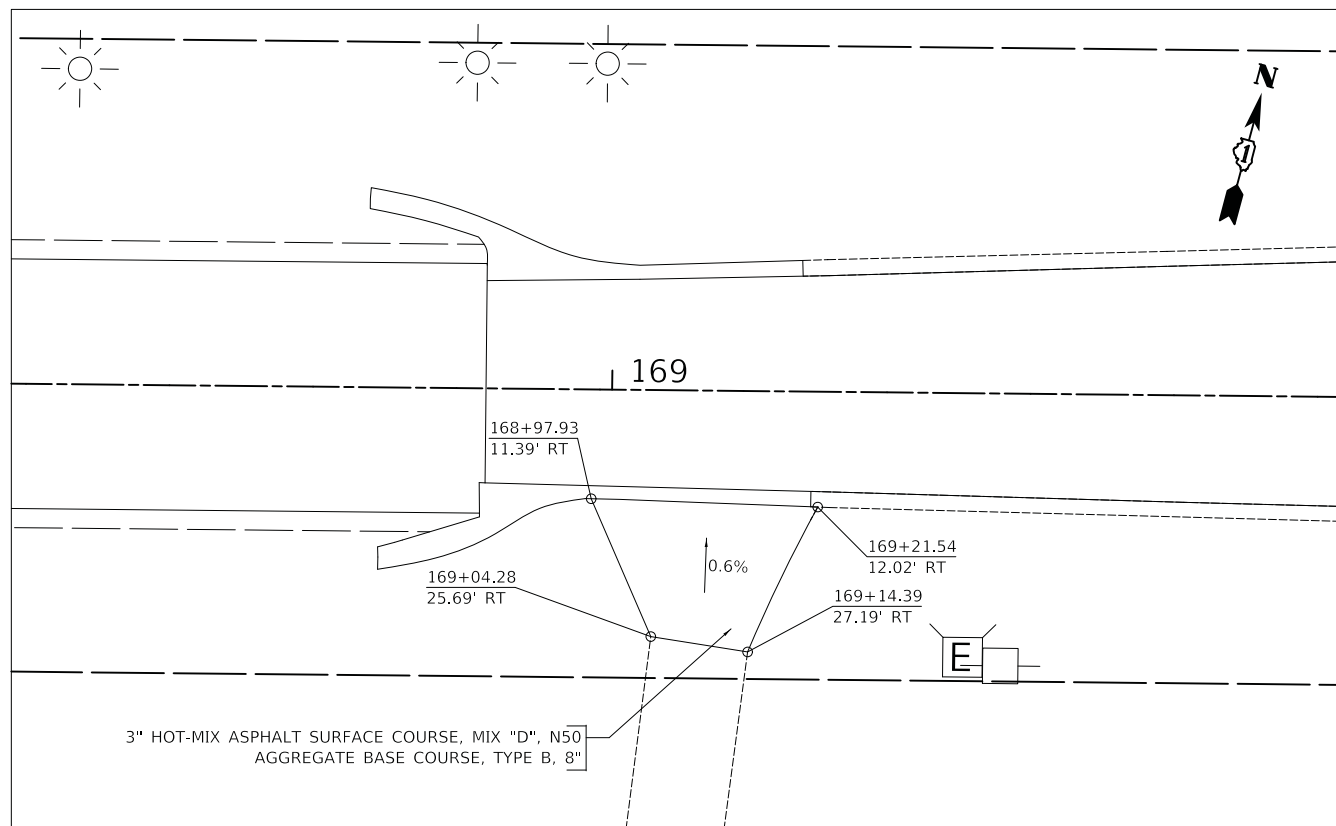
**ROCKLAND ROAD
DRIVEWAY DETAILS**

SCALE: 1" = 10' SHEET 4 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	80
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



DRIVEWAYS AT STA. 167+52.6 AND STA. 167+99.9



DRIVEWAY AT STA. 169+09.3



MODEL: s:\MODEL\NAME\$
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DRAWN - JAT	REVISIONS -	
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCKLAND ROAD
DRIVEWAY DETAILS

SCALE: 1" = 10' SHEET 5 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	81
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

ROCKLAND ROAD



142

PCC SIDEWALK, 5 INCH
SUBBASE GRANULAR MATERIAL, TYPE B, 2"

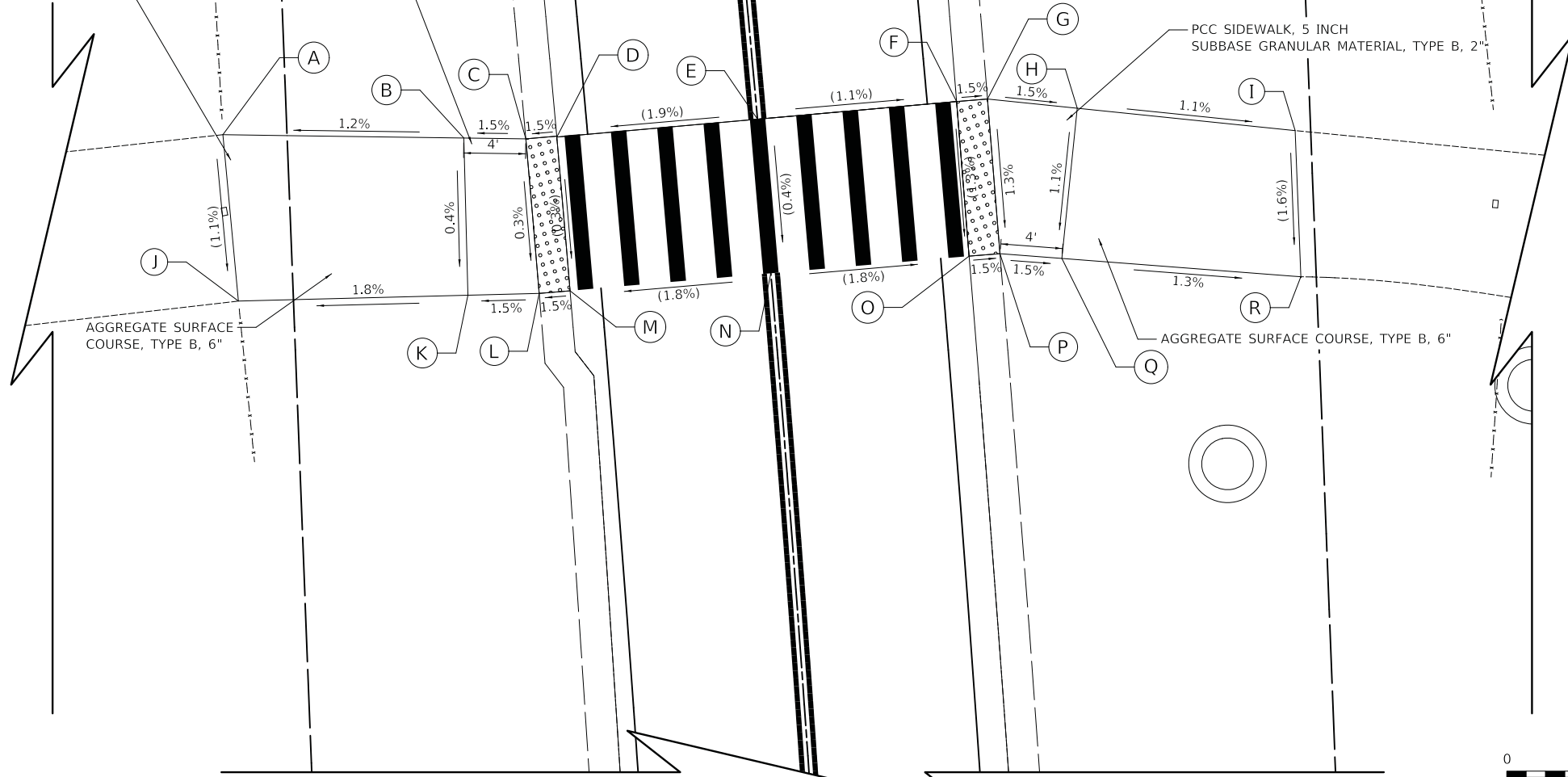
PROPOSED PATH OUTSIDE EX ROW
TO BE COMPLETED BY THE LAKE
COUNTY FOREST PRESERVE

PCC SIDEWALK, 5 INCH
SUBBASE GRANULAR MATERIAL, TYPE B, 2"

AGGREGATE SURFACE
COURSE, TYPE B, 6"

AGGREGATE SURFACE COURSE, TYPE B, 6"

	STATION	OFFSET	ELEVATION
A	141+65.92	34.44' LT	(653.80)
B	141+64.29	18.98' LT	653.99
C	141+63.88	15.00' LT	654.05
D	141+63.82	13.00' LT	(654.08)
E	141+63.82	0.00' LT	(654.32)
F	141+63.82	12.90' RT	(654.18)
G	141+63.80	14.89' RT	654.15
H	141+62.71	20.61' RT	654.06
I	141+60.08	34.49' RT	(653.91)
J	141+54.96	34.38' LT	(653.68)
K	141+54.08	19.60' LT	653.95
L	141+53.81	15.00' LT	654.02
M	141+53.81	13.00' LT	(654.05)
N	141+53.84	0.00' LT	(654.28)
O	141+53.88	12.84' RT	(654.05)
P	141+53.87	14.84' RT	654.02
Q	141+53.23	18.79' RT	653.96
R	141+50.80	34.05' RT	(653.76)



ROCKLAND ROAD



MODEL: 640021.MXD
FILE: 640021_031323_Path_Details.dgn

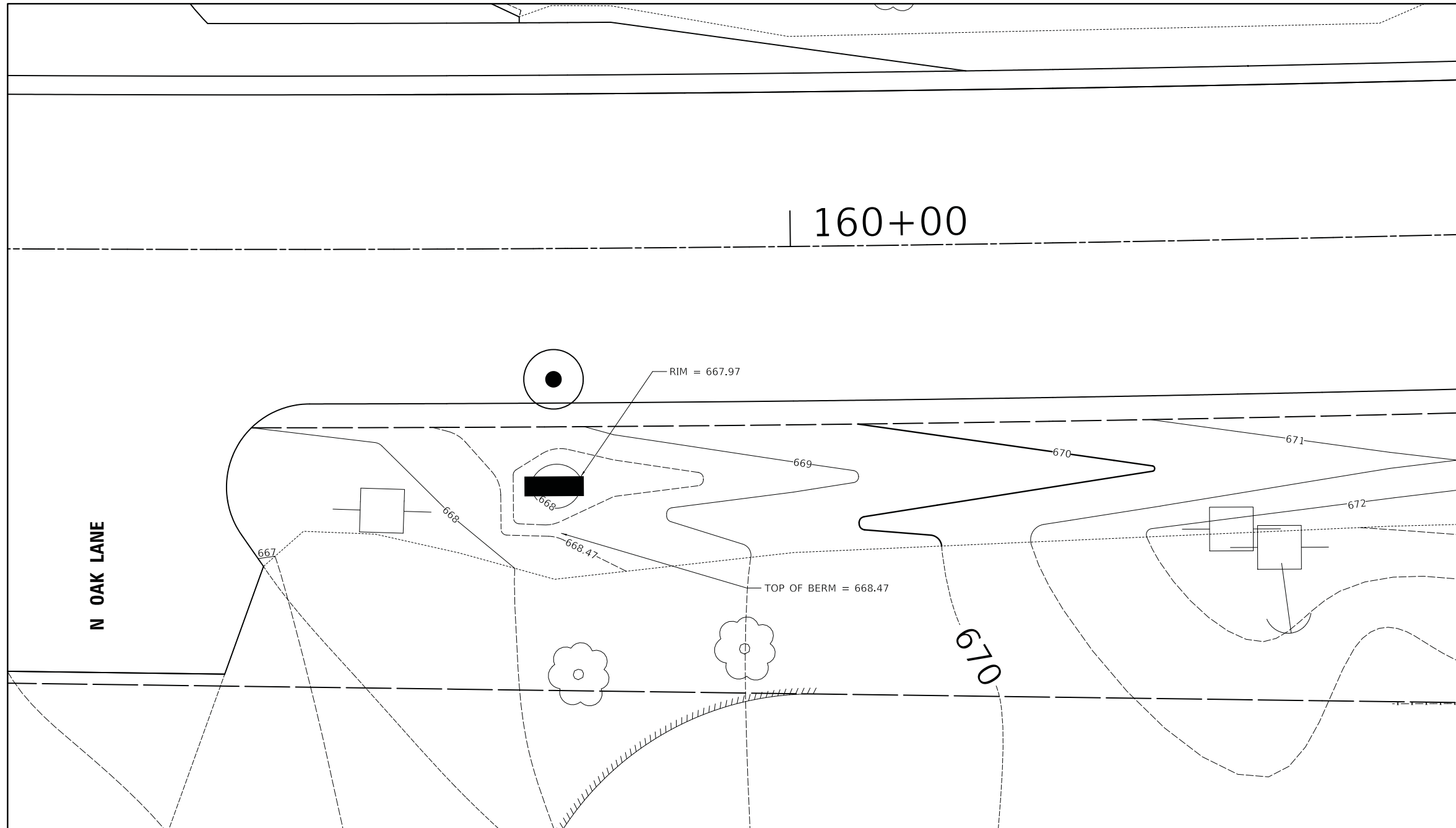
USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROCKLAND ROAD
PATH DETAIL

SCALE: 1" = 5' SHEET 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	82
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				



ROCKLAND ROAD

MODEL: 4100161.MXD
FILE: 16-10130-02-WR_Contour_Detail.dgn

USER NAME = djc	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 5.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROCKLAND ROAD
PROPOSED CONTOUR DETAIL**

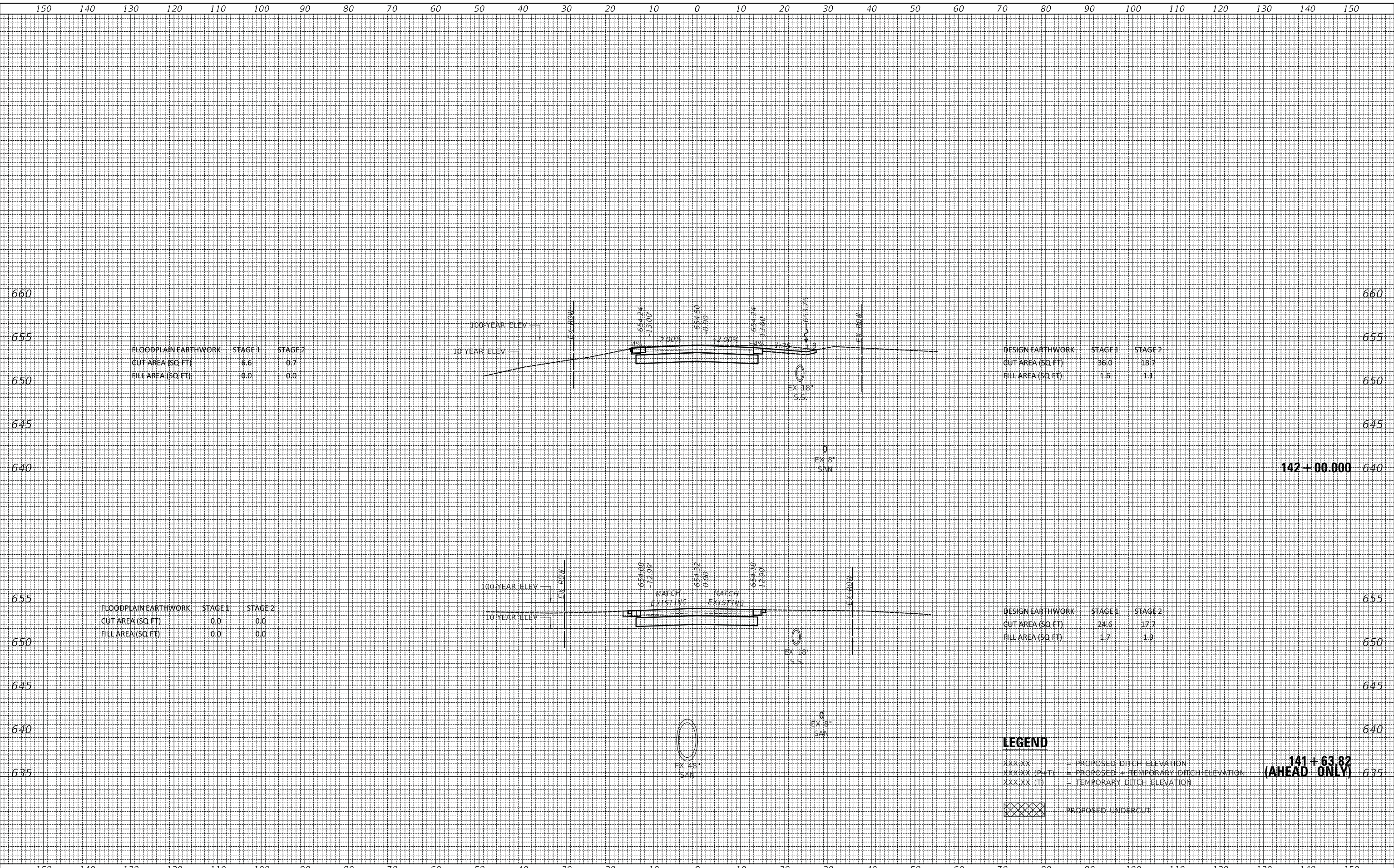
SCALE: 1" = 5' SHEET 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	83
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: S:\MODEL\1610130-02-01.dgn
FILE NAME: ...1610130-02-01.dwg



FLOODPLAIN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	6.6	0.7
FILL AREA (SQ. FT.)	0.0	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	36.0	18.7
FILL AREA (SQ. FT.)	1.6	1.1

FLOODPLAIN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	0.0	0.0
FILL AREA (SQ. FT.)	0.0	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	24.6	17.7
FILL AREA (SQ. FT.)	1.7	1.9

LEGEND

- XXX.XX = PROPOSED DITCH ELEVATION
- XXX.XX (P+T) = PROPOSED + TEMPORARY DITCH ELEVATION
- XXX.XX (T) = TEMPORARY DITCH ELEVATION
- [Cross-hatched box] = PROPOSED UNDERCUT

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

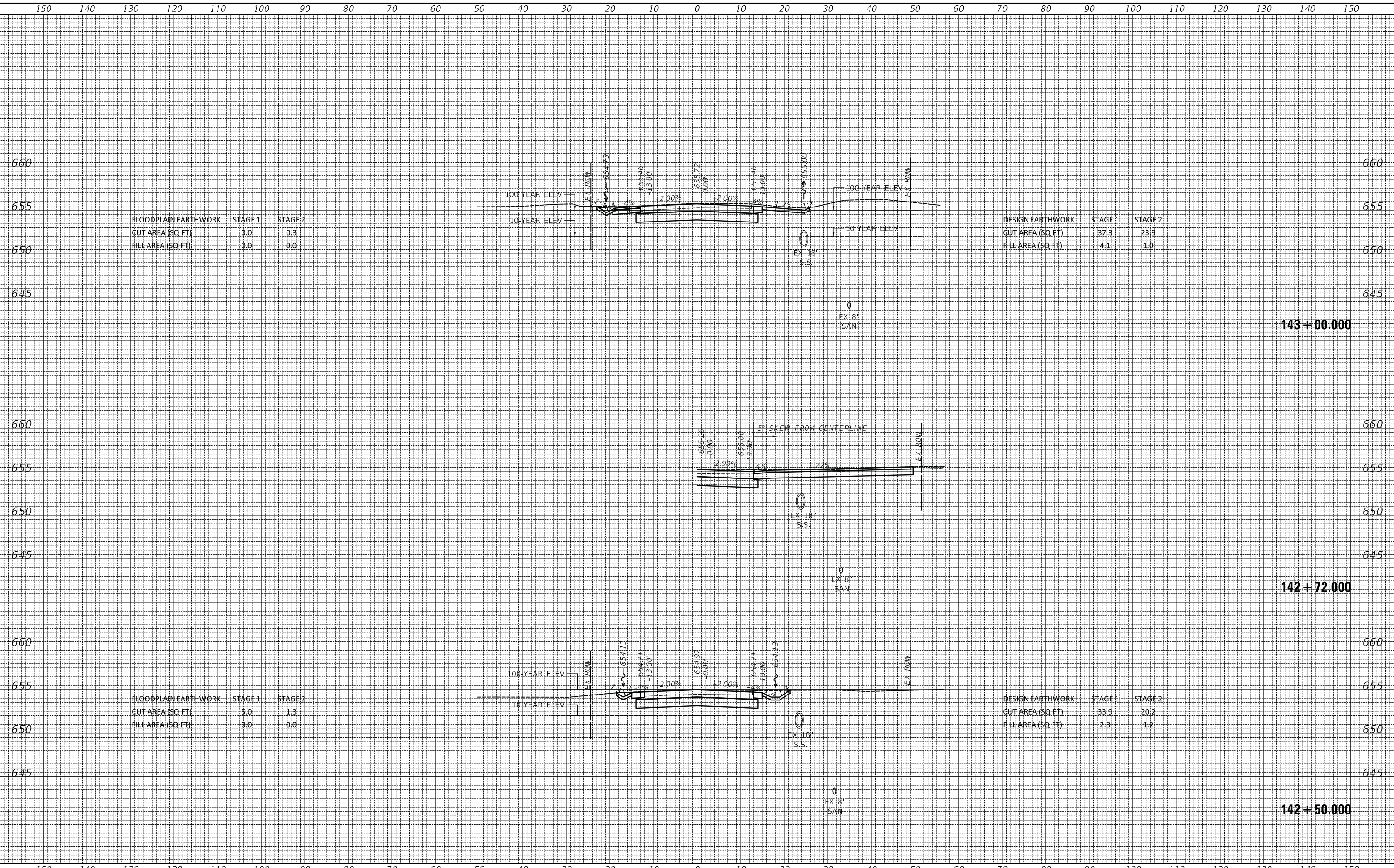
SCALE: 1"=10'H/5'V SHEET 1 OF 23 SHEETS STA. 141+63.82 TO STA. 142+00.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	84
			CONTRACT NO. 61G00	
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: S:\MODEL\NAMES
FILE NAME: ...373.dgn AS Rockland.dgn



FLOODPLAIN EARTHWORK		
	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	0.0	0.3
FILL AREA (SQ. FT.)	0.0	0.0

DESIGN EARTHWORK		
	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	37.3	23.9
FILL AREA (SQ. FT.)	4.1	1.0

FLOODPLAIN EARTHWORK		
	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	5.0	1.3
FILL AREA (SQ. FT.)	0.0	0.0

DESIGN EARTHWORK		
	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	33.9	20.2
FILL AREA (SQ. FT.)	2.8	1.2

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

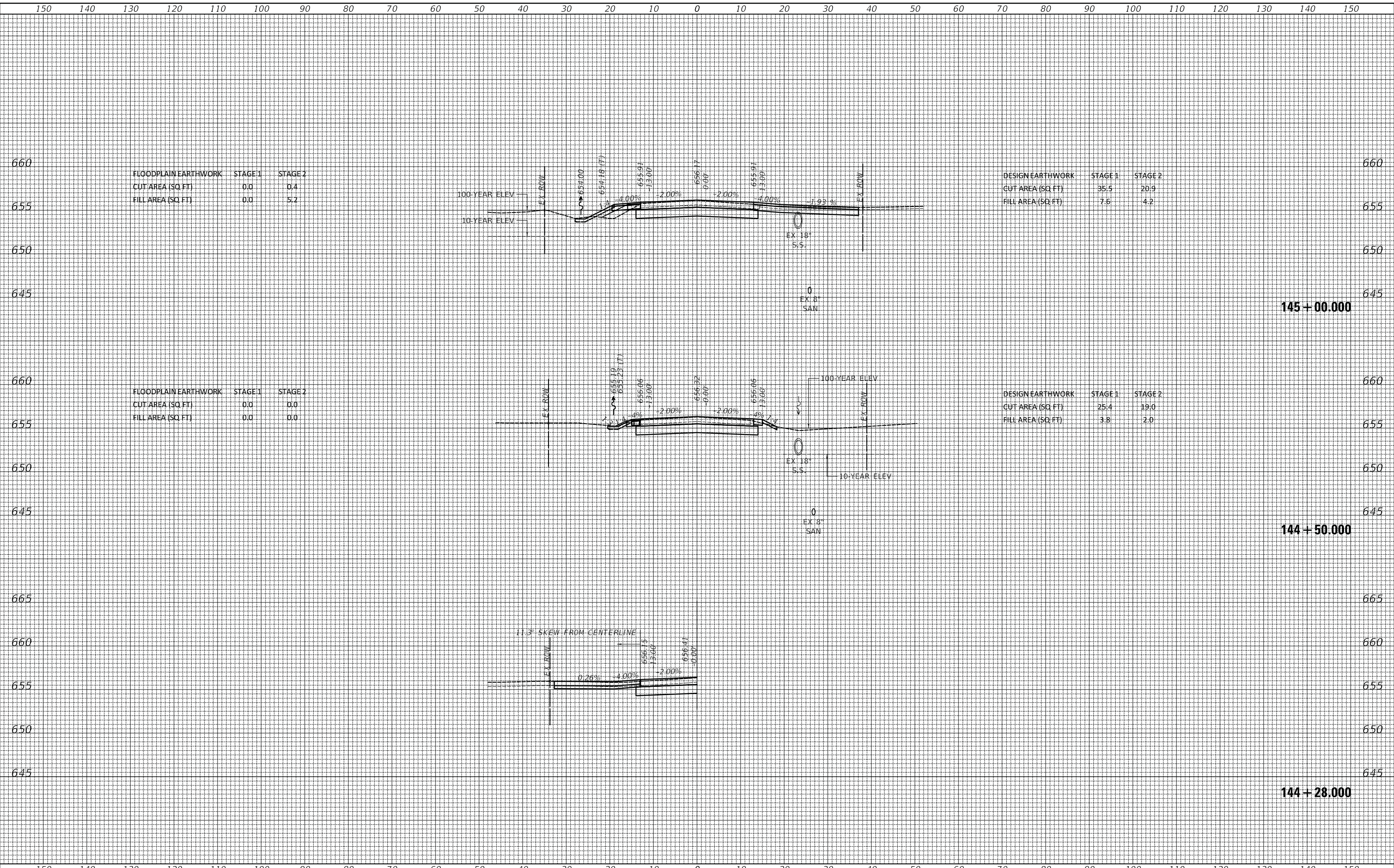
SCALE: 1"=10'H/5'V SHEET 2 OF 23 SHEETS STA. 142+50.000 TO STA. 143+00.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	85
			CONTRACT NO. 61G00	
			ILLINOIS FED. AID PROJECT	

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

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

MODEL: S:\MODEL\AMES
FILE NAME: ...372.dwg AS Rockland.dgn



USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

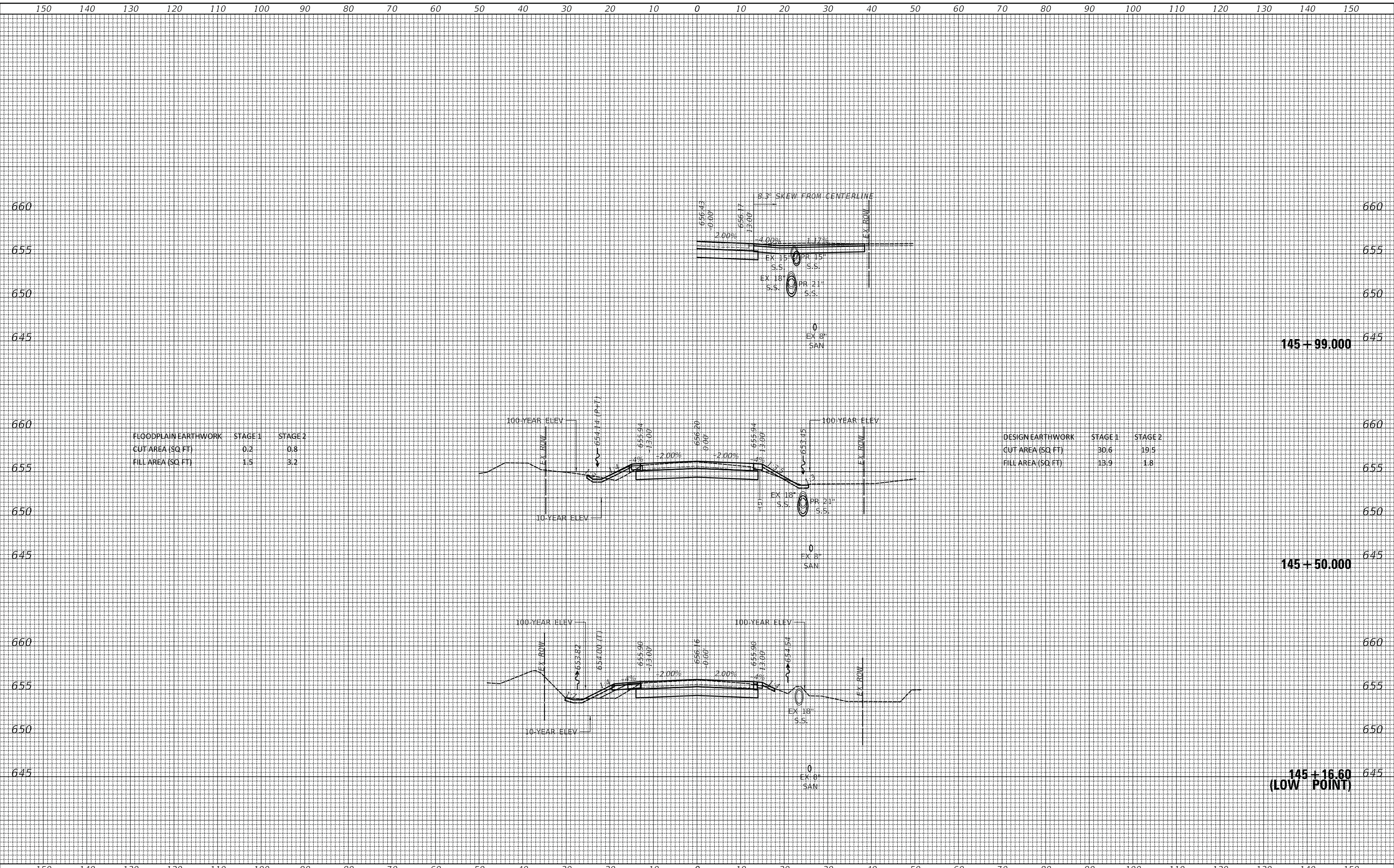
SCALE: 1"=10'H/5'V SHEET 4 OF 23 SHEETS STA. 144+28.000 TO STA. 145+00.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	87
CONTRACT NO. 61G00			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: SPODELIMAMES
FILE NAME: ...373.dgn AS Rockland.dgn



FLOODPLAIN EARTHWORK		
	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	0.2	0.8
FILL AREA (SQ. FT.)	1.5	3.2

DESIGN EARTHWORK		
	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	30.6	19.5
FILL AREA (SQ. FT.)	13.9	1.8

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

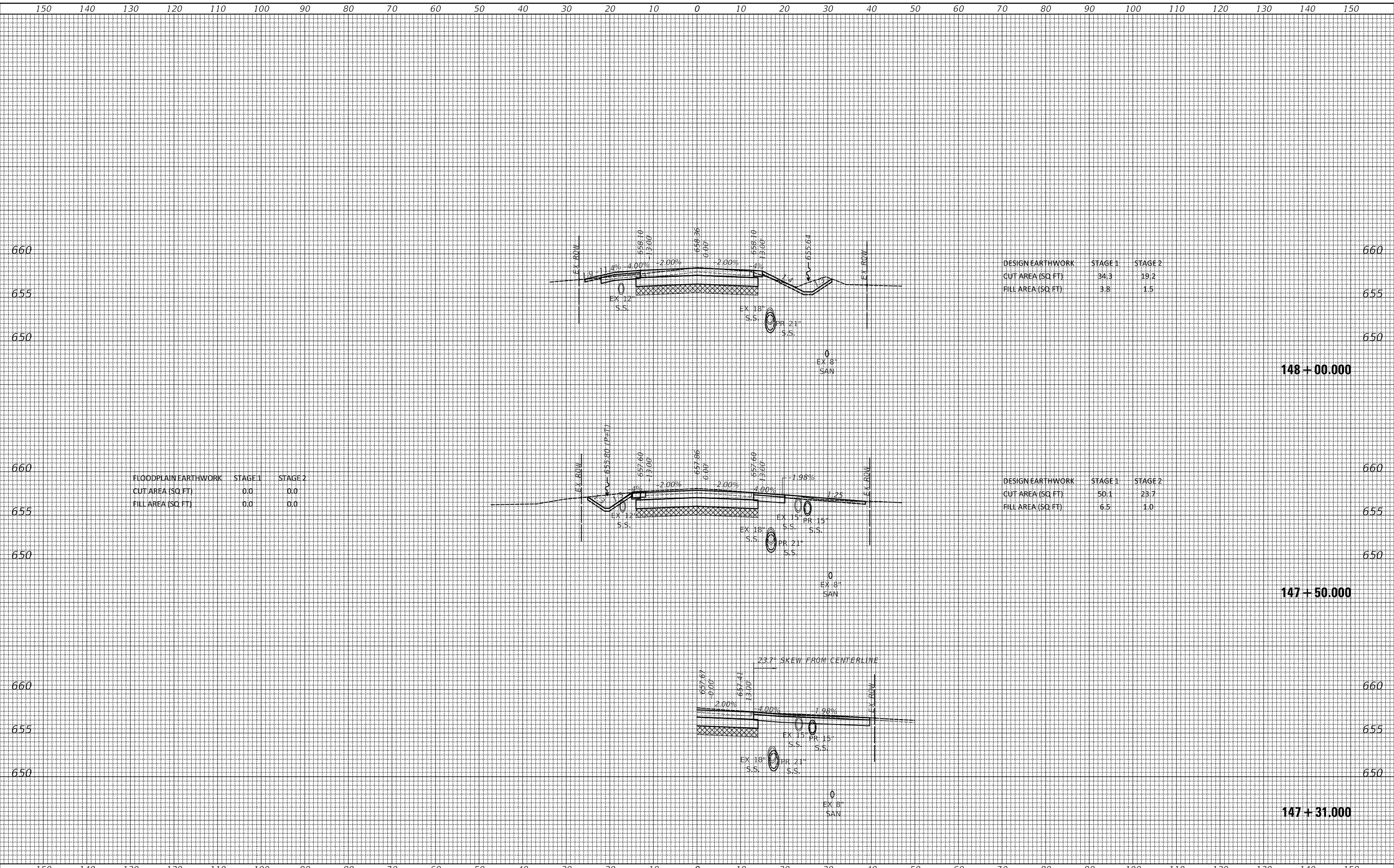
SCALE: 1"=10'H/5'V SHEET 5 OF 23 SHEETS STA. 145+16.60 TO STA. 145+99.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	88
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: S:\MODEL\AMES
FILE NAME: ...373.dgn AS Rockland.dgn



FLOODPLAIN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	0.0	0.0
FILL AREA (SQ. FT.)	0.0	0.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	34.3	19.2
FILL AREA (SQ. FT.)	3.8	1.5

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	50.1	23.7
FILL AREA (SQ. FT.)	6.5	1.0

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

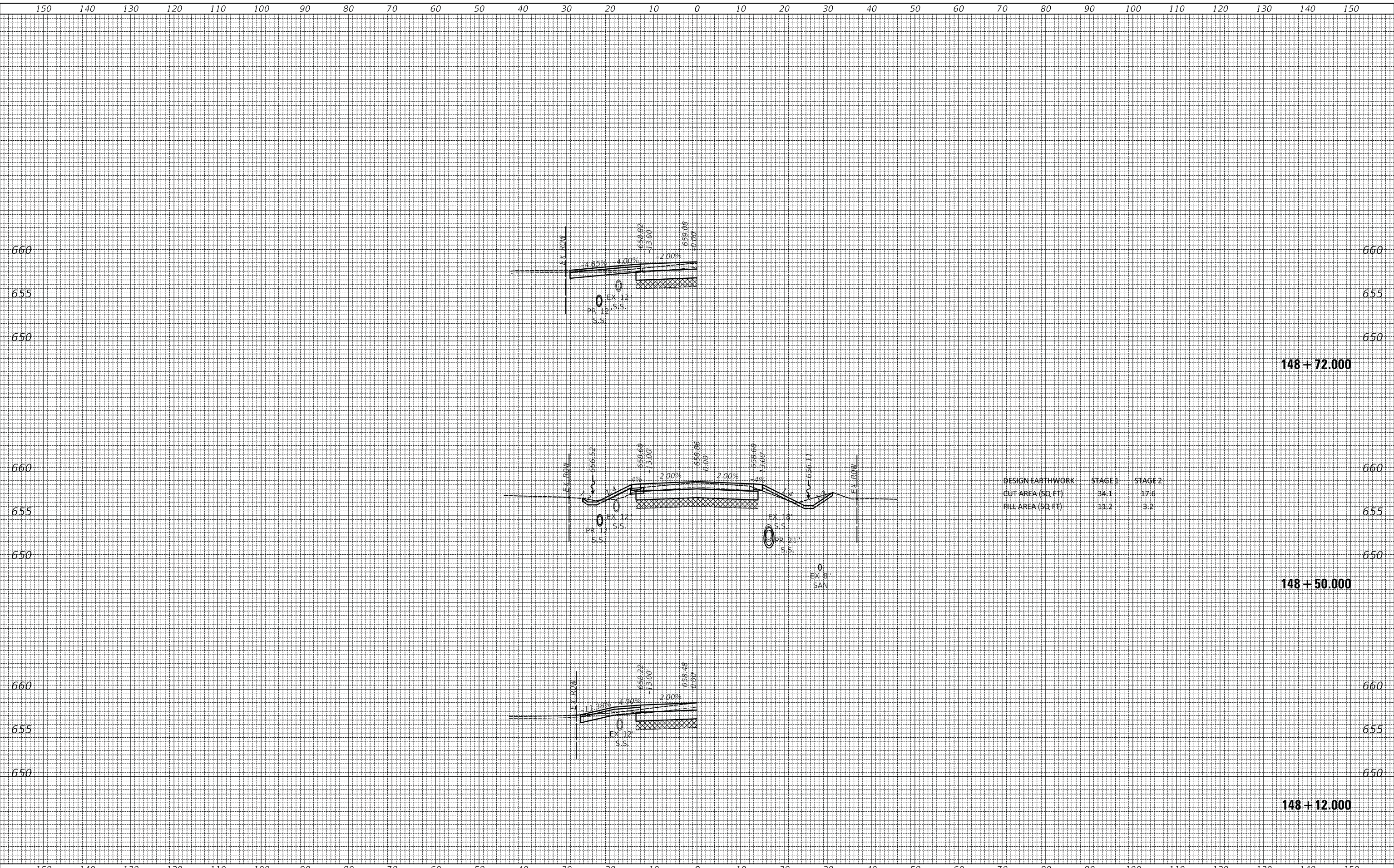
SCALE: 1"=10'H/5'V SHEET 7 OF 23 SHEETS STA. 147+31.000 TO STA. 148+00.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	90
CONTRACT NO. 61G00				
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: SPODELIMAMES
FILE NAME: ...372.dgn AS Rockland.dgn



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	34.1	17.6
FILL AREA (SQ. FT.)	11.2	3.2

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

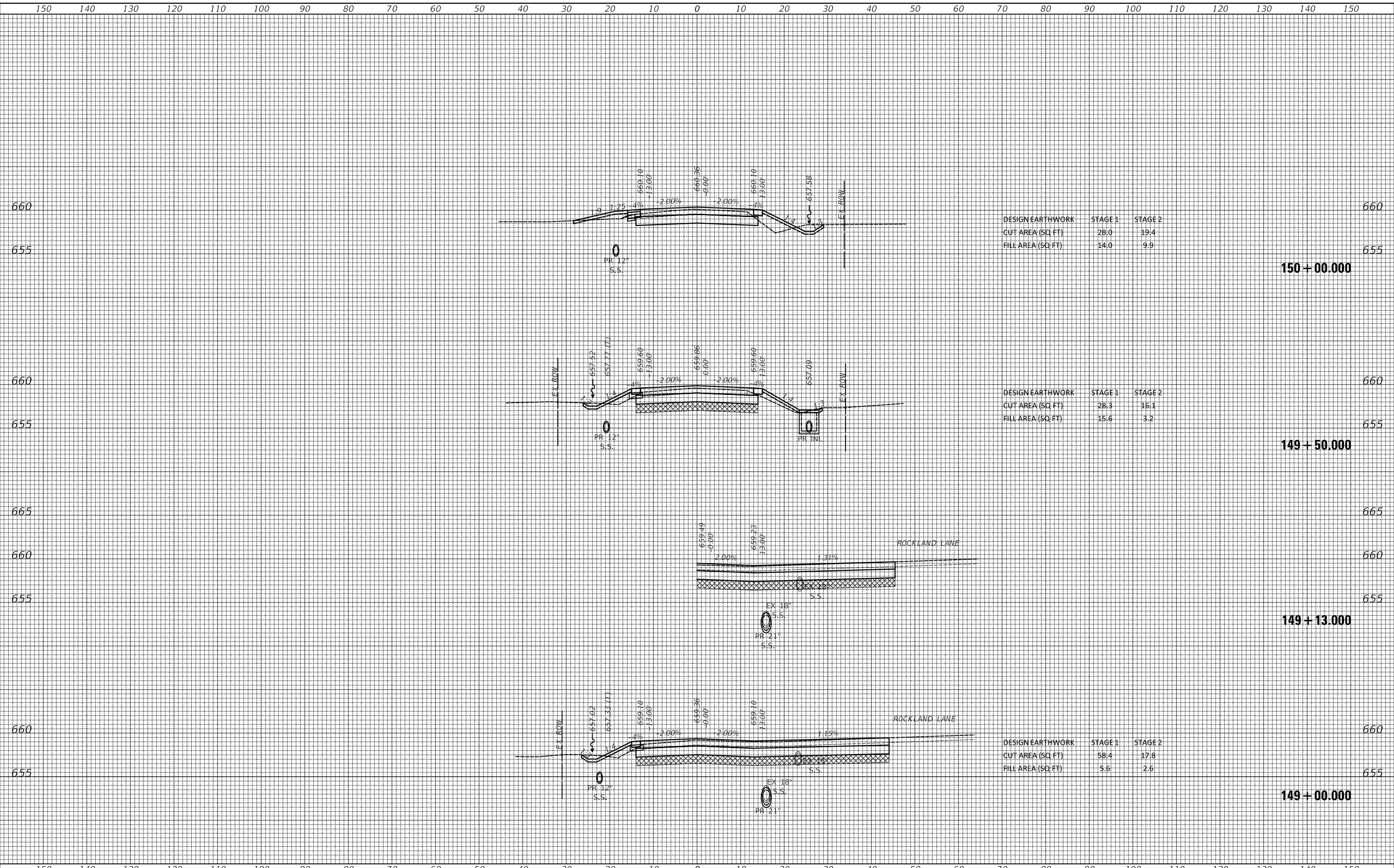
SCALE: 1"=10'H/5'V SHEET 8 OF 23 SHEETS STA. 148+12.000 TO STA. 148+72.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	91
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G00	

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

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

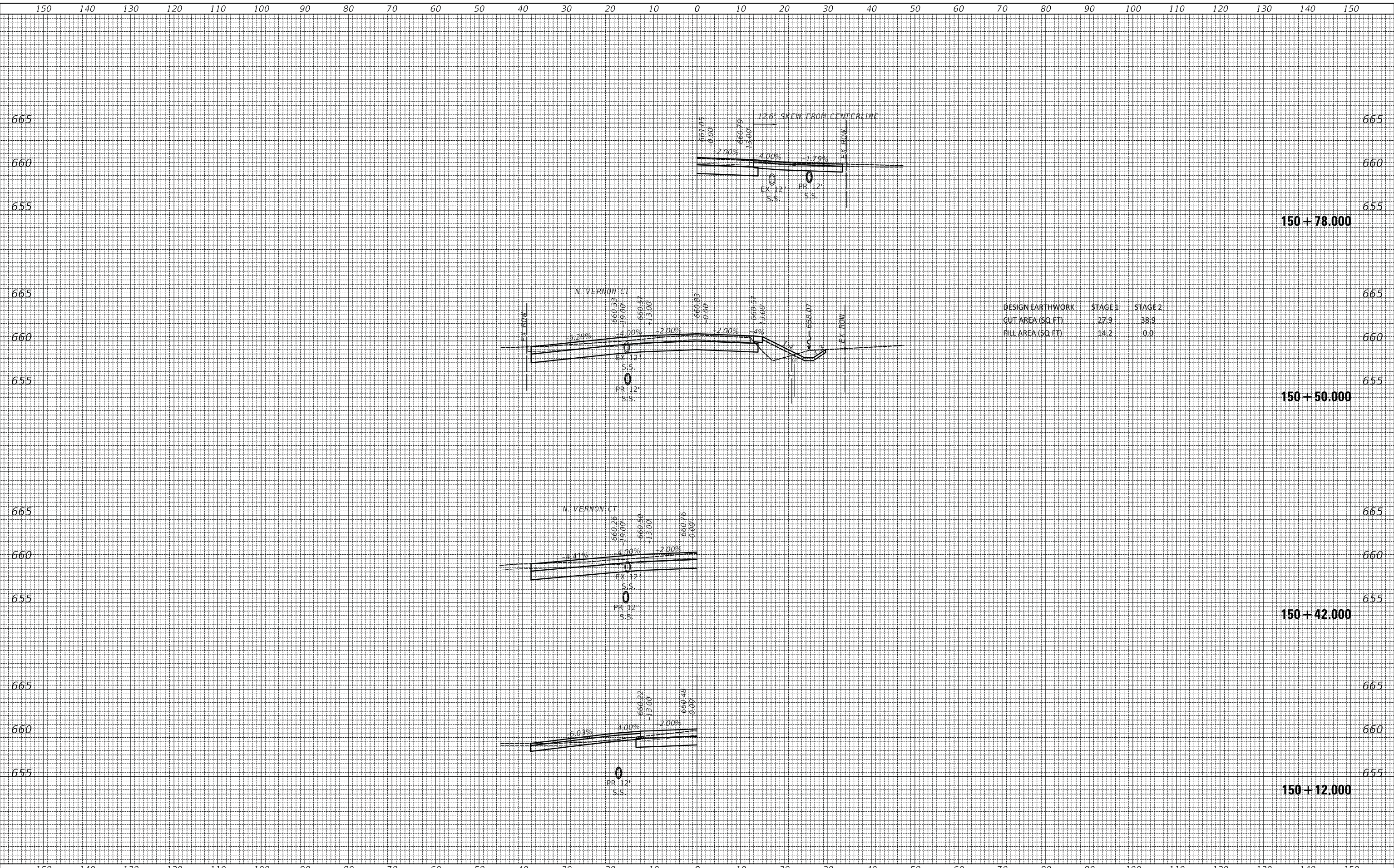
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FILE NAME: ...373.dwg AS Rockland.dgn



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: S:\MODEL\MAMES
FILE NAME: ...373.dwg AS Rockland.dgn



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	27.9	38.9
FILL AREA (SQ. FT.)	14.2	0.0

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

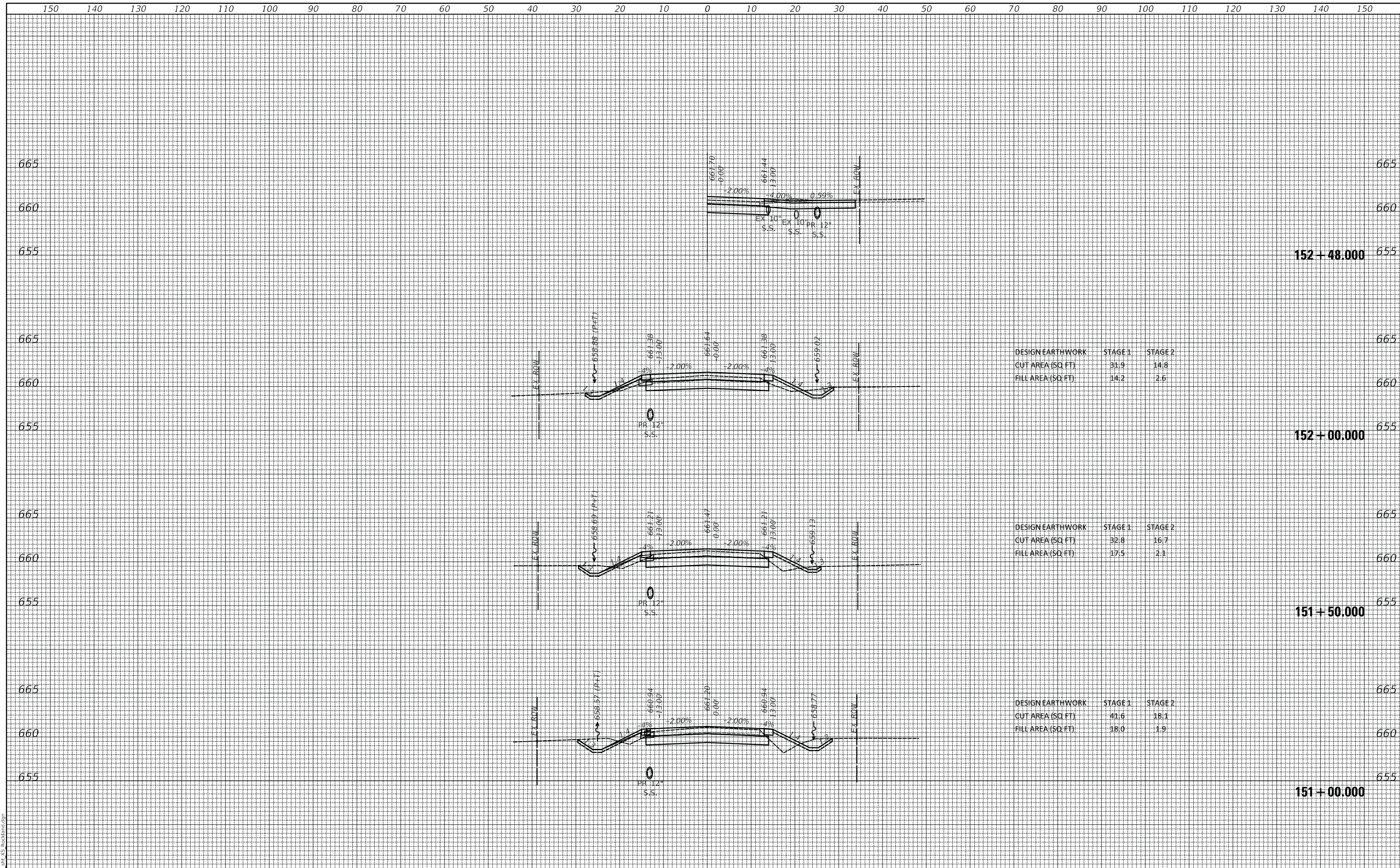
CROSS SECTIONS - ROCKLAND ROAD

SCALE: 1"=10'H/5'V SHEET 10 OF 23 SHEETS STA. 150+12.000 TO STA. 150+78.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	93
CONTRACT NO. 61G00			ILLINOIS FED. AID PROJECT	

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

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



MODEL: S:\MODEL\NAMES
FILE NAME: ...373.dwg AS Rockland.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

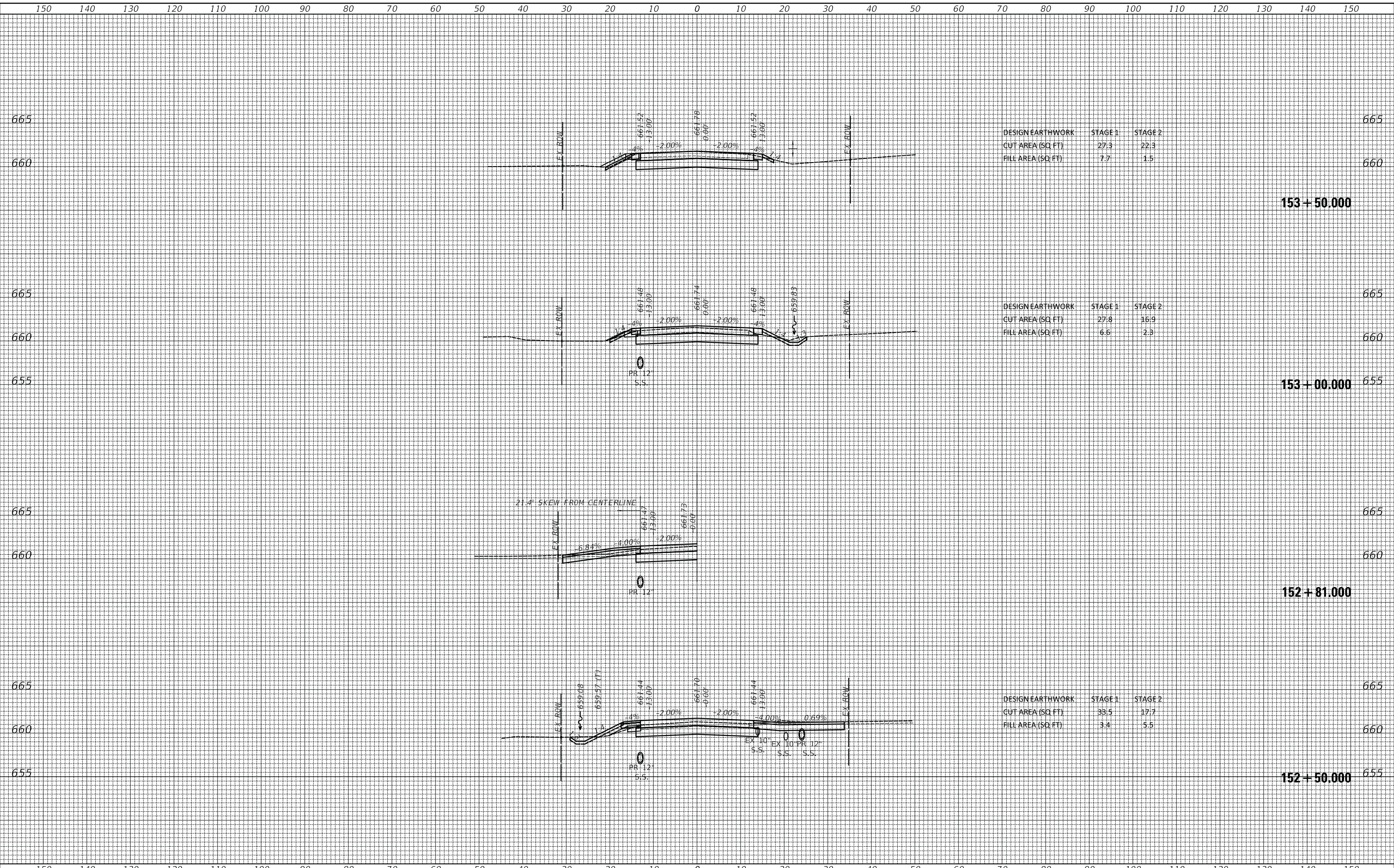
CROSS SECTIONS - ROCKLAND ROAD
SCALE: 1"=10'H/5'V SHEET 11 OF 23 SHEETS STA. 151+00.000 TO STA. 152+48.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	94
CONTRACT NO. 61G00			ILLINOIS FED. AID PROJECT	

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

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

MODEL: S:\MODEL\161002\161002.dgn
FILE NAME: ...373.dgn AS Rockland.dgn



USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
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PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

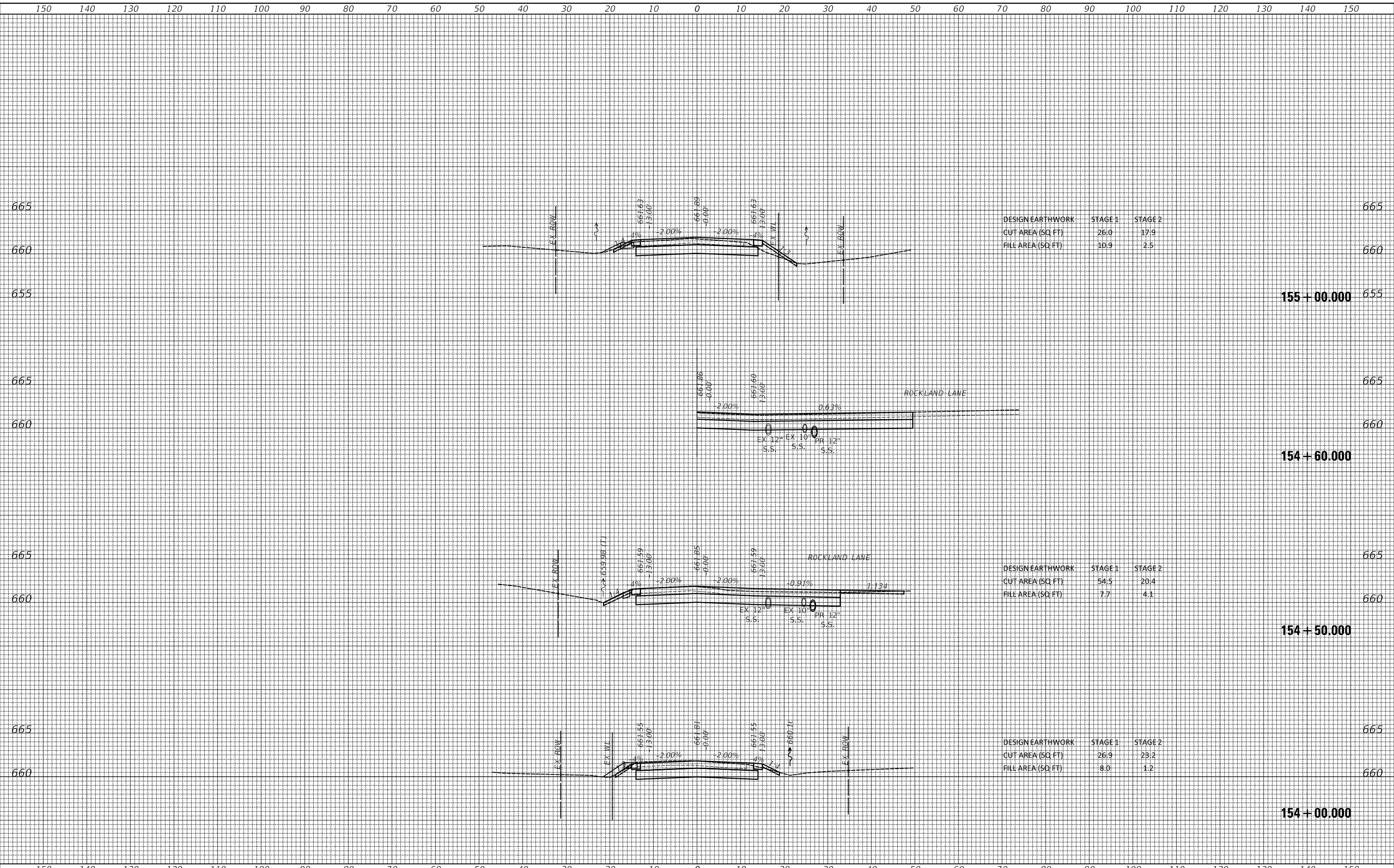
SCALE: 1"=10'H/5'V SHEET 12 OF 23 SHEETS STA. 152+50.000 TO STA. 153+50.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	95
CONTRACT NO. 61G00				
ILLINOIS		FED. AID PROJECT		

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

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

MODEL: S:\MODEL\AMES
FILE NAME: ...373.dgn AS Rockland.dgn



USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

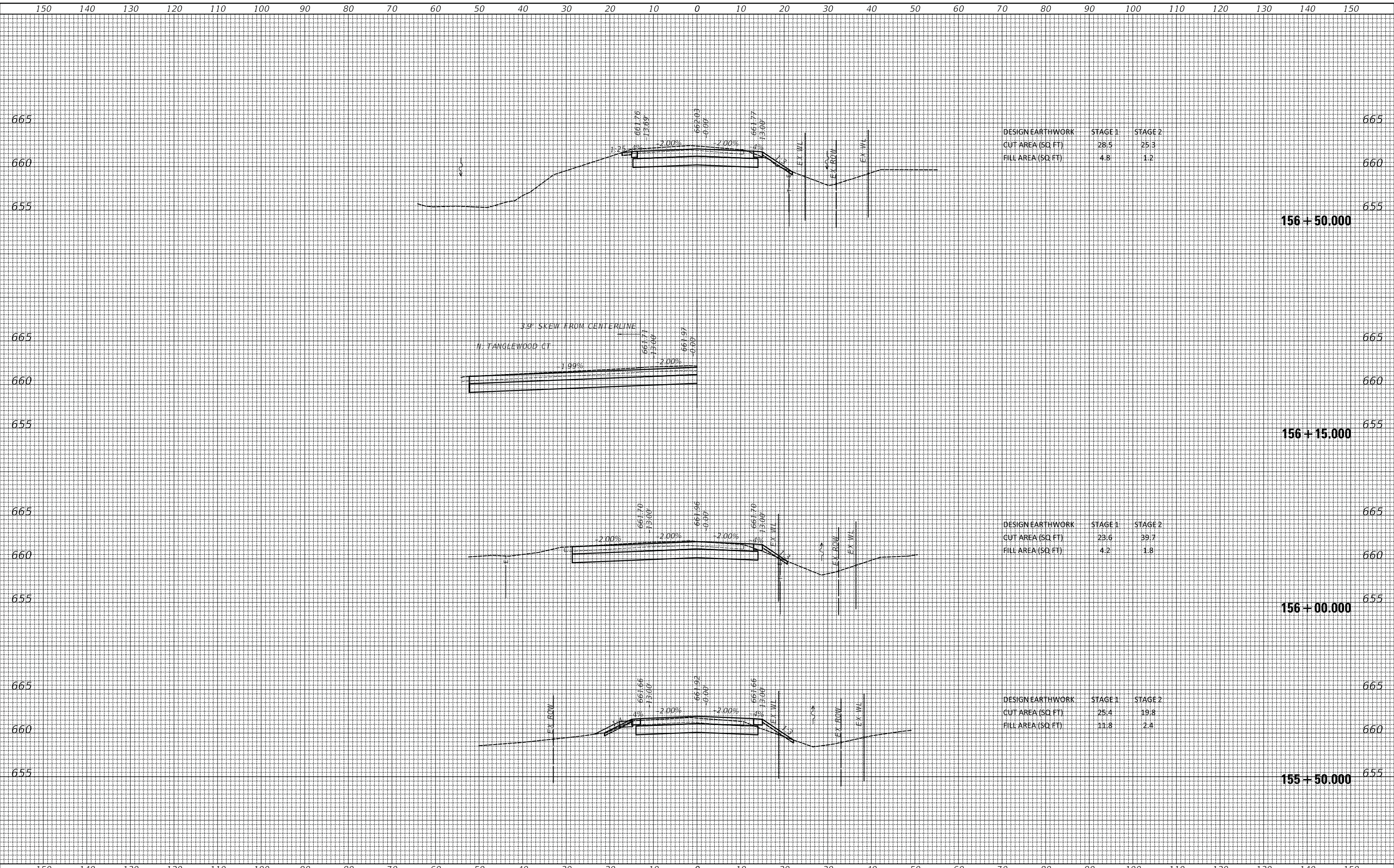
SCALE: 1"=10'H/5'V SHEET 13 OF 23 SHEETS STA. 154+00.000 TO STA. 155+00.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	96
				CONTRACT NO. 61G00
				ILLINOIS FED. AID PROJECT

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

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

MODEL: S:\MODEL\1610130-02-01.dgn
FILE NAME: ...3173.dgn AS Rockland.dgn



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	28.5	25.3
FILL AREA (SQ FT)	4.8	1.2

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	23.6	39.7
FILL AREA (SQ FT)	4.2	1.8

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	25.4	19.8
FILL AREA (SQ FT)	11.8	2.4

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

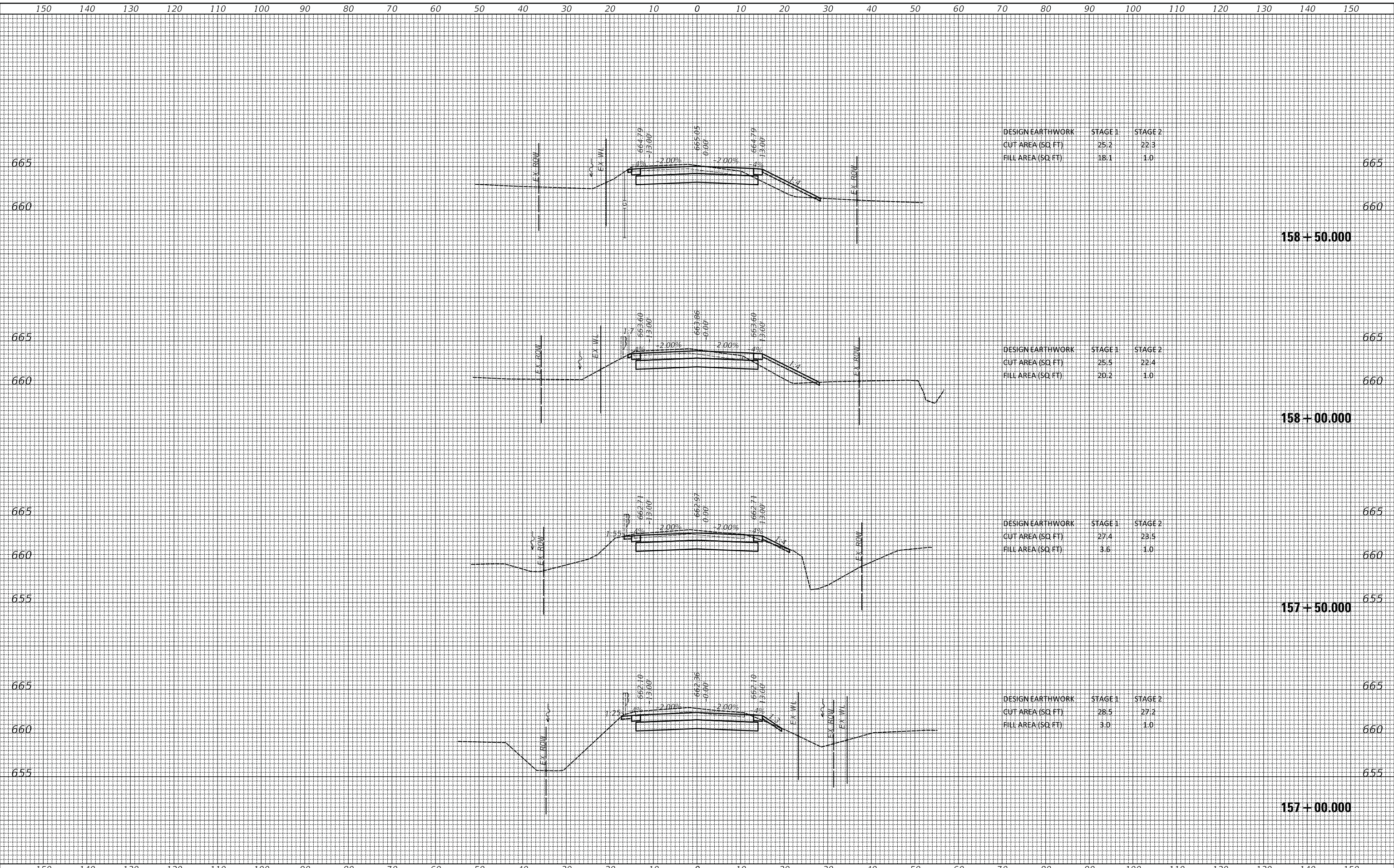
SCALE: 1"=10'H/5'V SHEET 14 OF 23 SHEETS STA. 155+50.000 TO STA. 156+50.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	97
				CONTRACT NO. 61G00
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: S:\MODEL\161002\161002.dgn
FILE NAME: ...373.dgn AS Rockland.dgn



USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

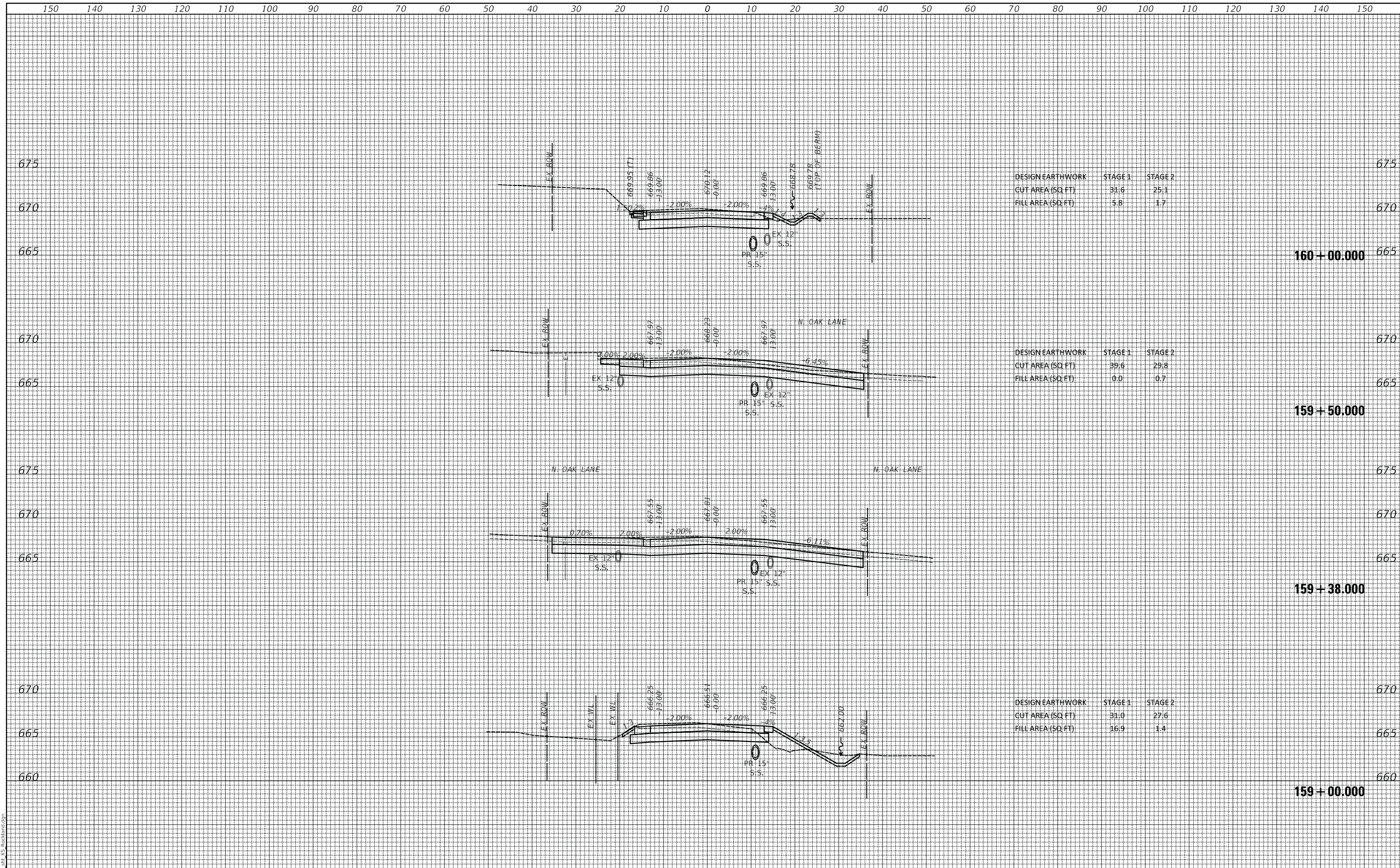
CROSS SECTIONS - ROCKLAND ROAD

SCALE: 1"=10'H/5'V SHEET 15 OF 23 SHEETS STA. 157+00.00 TO STA. 158+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	98
CONTRACT NO. 61G00			ILLINOIS FED. AID PROJECT	

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

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



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	31.6	25.1
FILL AREA (SQ. FT.)	5.8	1.7

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	39.6	29.8
FILL AREA (SQ. FT.)	0.0	0.7

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	31.0	27.6
FILL AREA (SQ. FT.)	16.9	1.4

MODEL: S:\MODEL\NAMES
FILE NAME: ...372.dwg AS Rockland.dwg

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000 "/td> <td>CHECKED - DJK</td> <td>REVISED -</td>	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

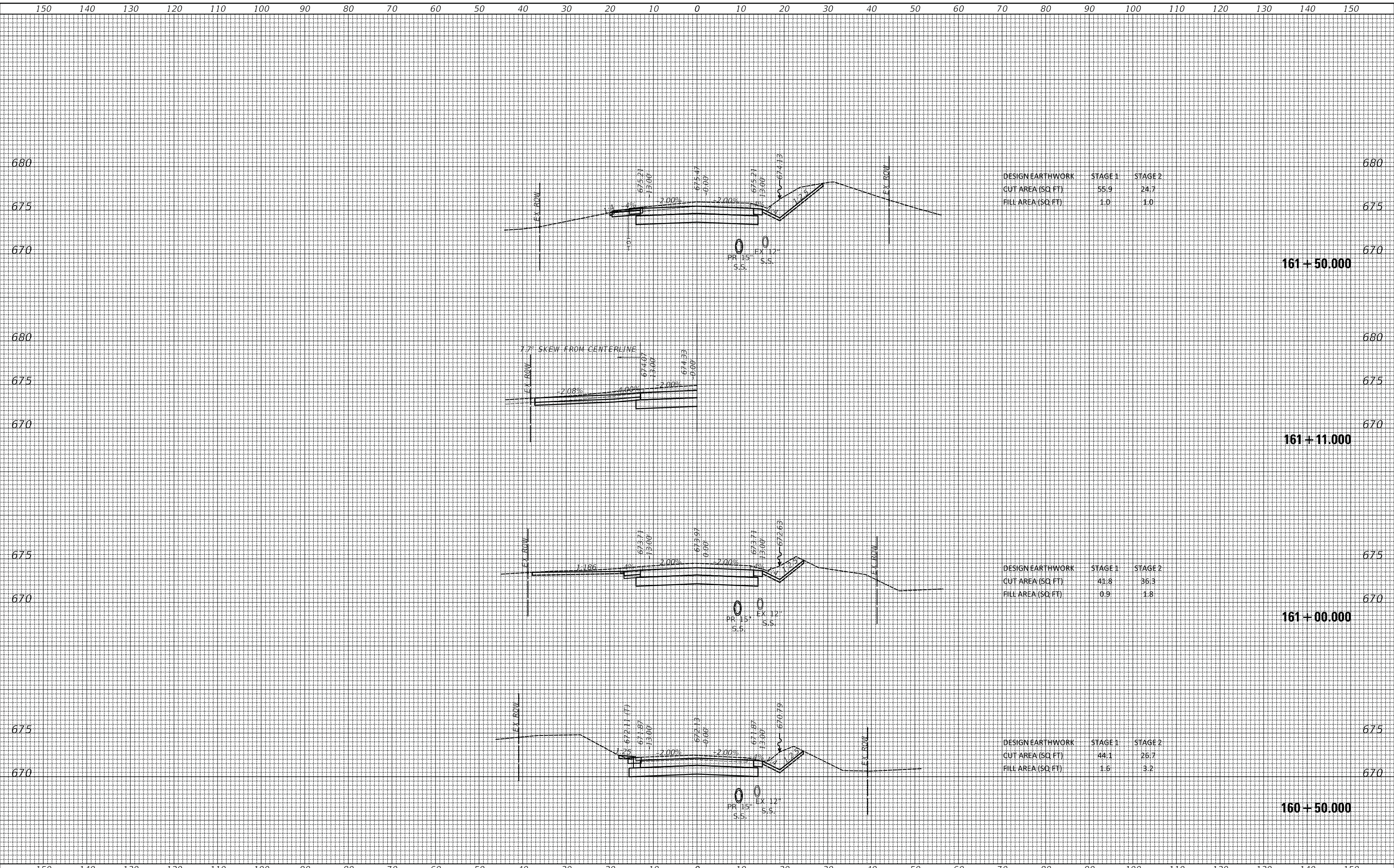
SCALE: 1"=10'H/5'V SHEET 16 OF 23 SHEETS STA. 159+00.00 TO STA. 160+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	99
				CONTRACT NO. 61G00
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: S:\MODEL\161M\161M.dgn
FILE NAME: ...373.dgn AS Rockland.dgn



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	55.9	24.7
FILL AREA (SQ FT)	1.0	1.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	41.8	36.3
FILL AREA (SQ FT)	0.9	1.8

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ FT)	44.1	26.7
FILL AREA (SQ FT)	1.6	3.2

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

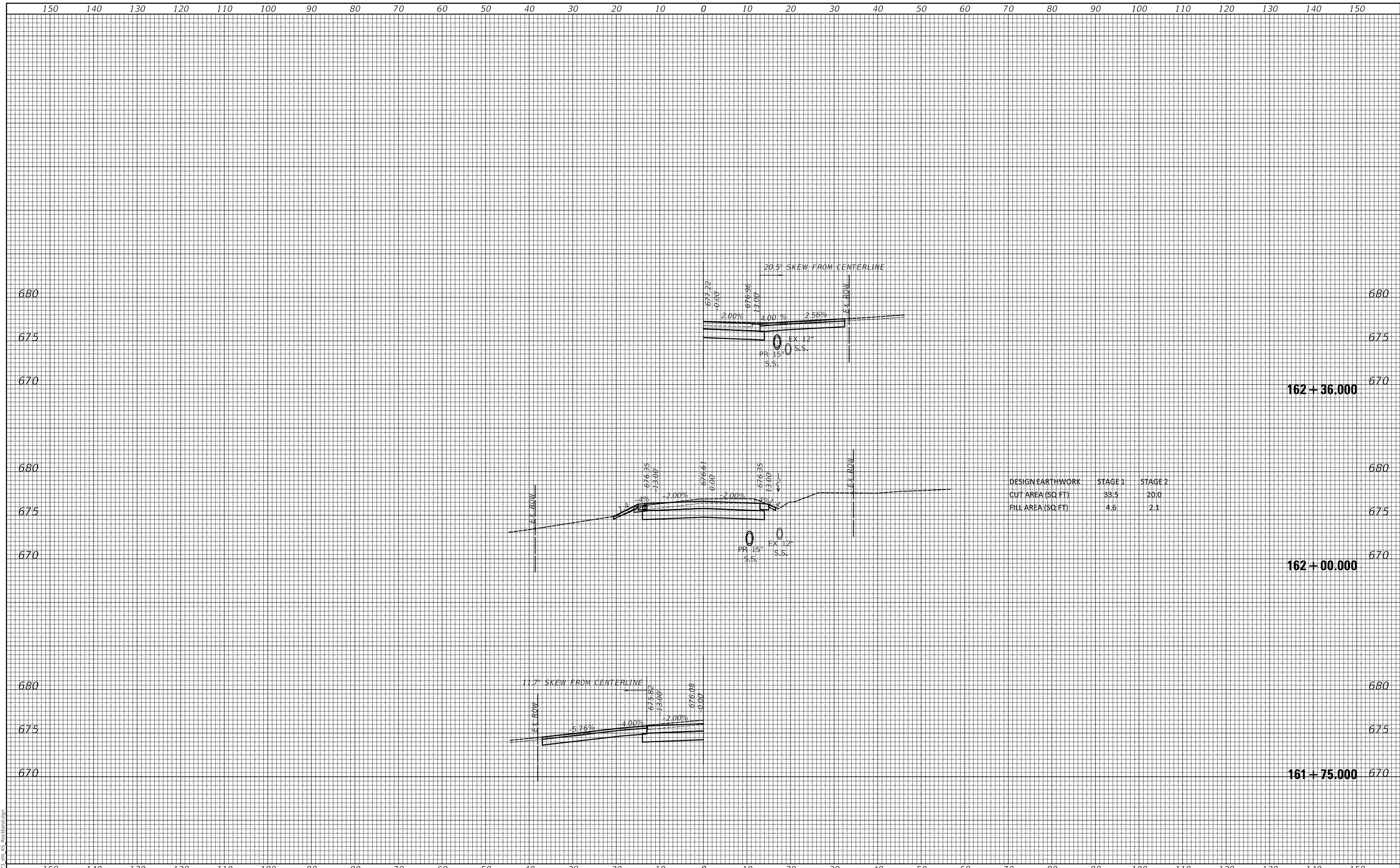
SCALE: 1"=10'H/5'V SHEET 17 OF 23 SHEETS STA. 160+50.000 TO STA. 161+50.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	100
CONTRACT NO. 61G00				
ILLINOIS		FED. AID PROJECT		

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: SPODELIMAMES
FILE NAME: ...373.dgn AS Rockland.dgn



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	33.5	20.0
FILL AREA (SQ. FT.)	4.6	2.1

USER NAME = djk	DESIGNED - JAT	REVISED -
PLOT SCALE = 10.0000 ' / in.	DRAWN - JAT	REVISED -
PLOT DATE = 7/3/2019	CHECKED - DJK	REVISED -
	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

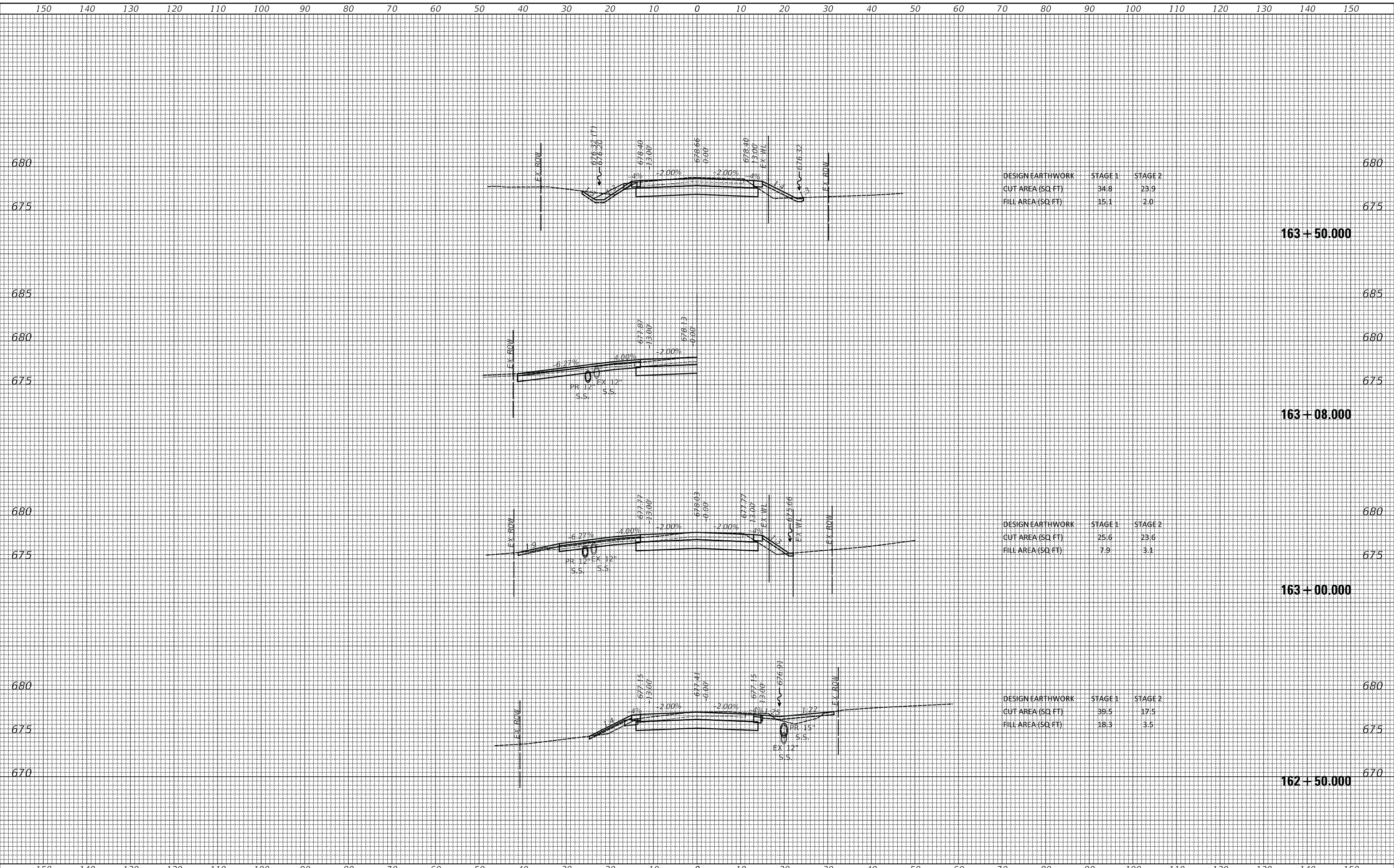
SCALE: 1"=10'H/5'V SHEET 18 OF 23 SHEETS STA. 161+75.000 TO STA. 162+36.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	101
CONTRACT NO. 61G00			ILLINOIS FED. AID PROJECT	

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

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

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FILE NAME: ...373.dgn AS Rockland.dgn



USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000 "/td> <td>CHECKED - DJK</td> <td>REVISED -</td>	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

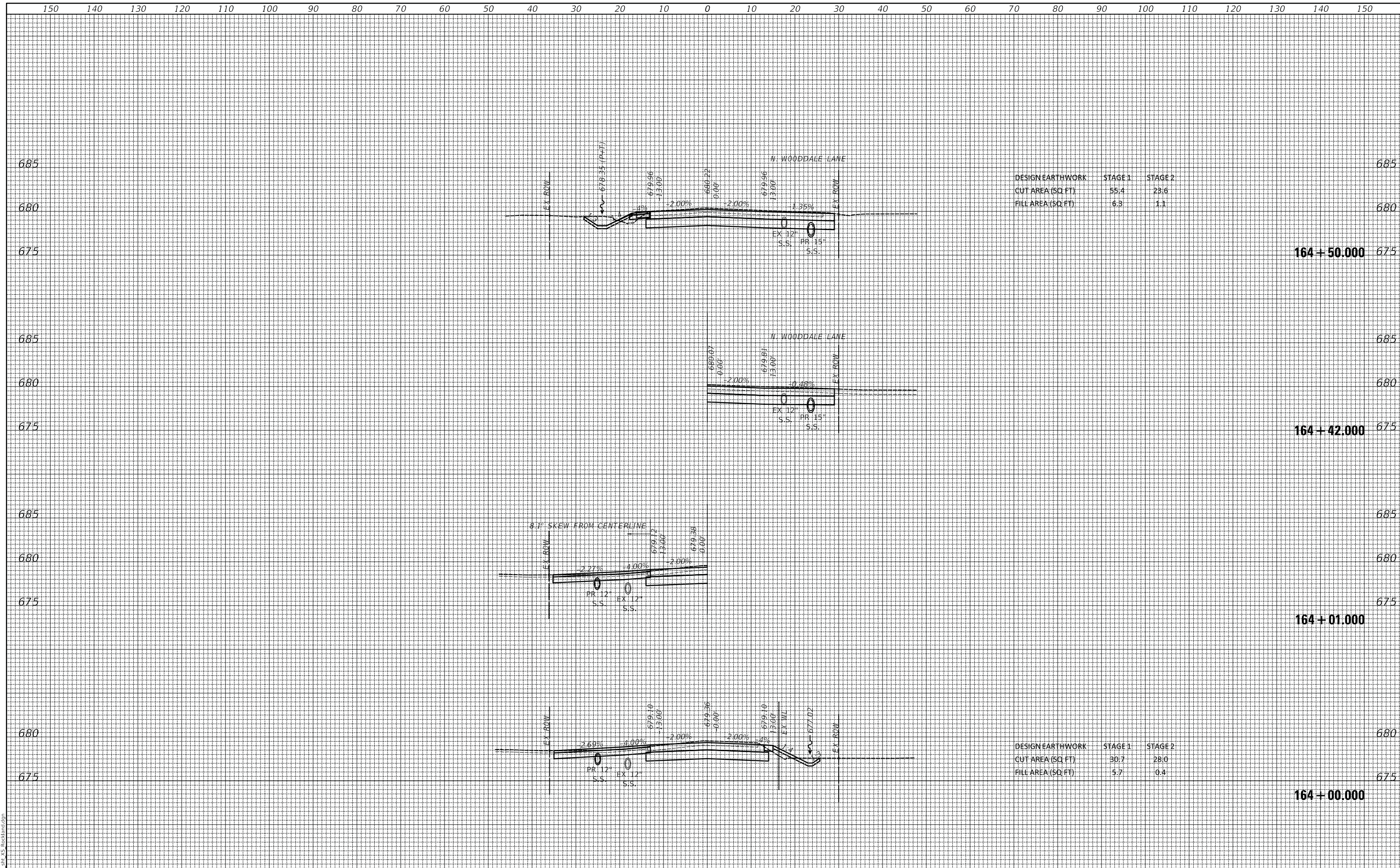
CROSS SECTIONS - ROCKLAND ROAD

SCALE: 1"=10'H/5'V SHEET 19 OF 23 SHEETS STA. 162+50.000 TO STA. 163+50.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	102
			CONTRACT NO. 61G00	
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	55.4	23.6
FILL AREA (SQ. FT.)	6.3	1.1

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	30.7	28.0
FILL AREA (SQ. FT.)	5.7	0.4

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FILE NAME: ...373.dgn AS Rockland.dgn

USER NAME = djk	DESIGNED - JAT	REvised -
	DRAWN - JAT	REvised -
PLOT SCALE = 10.0000 ' / in.	CHECKED - DJK	REvised -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REvised -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

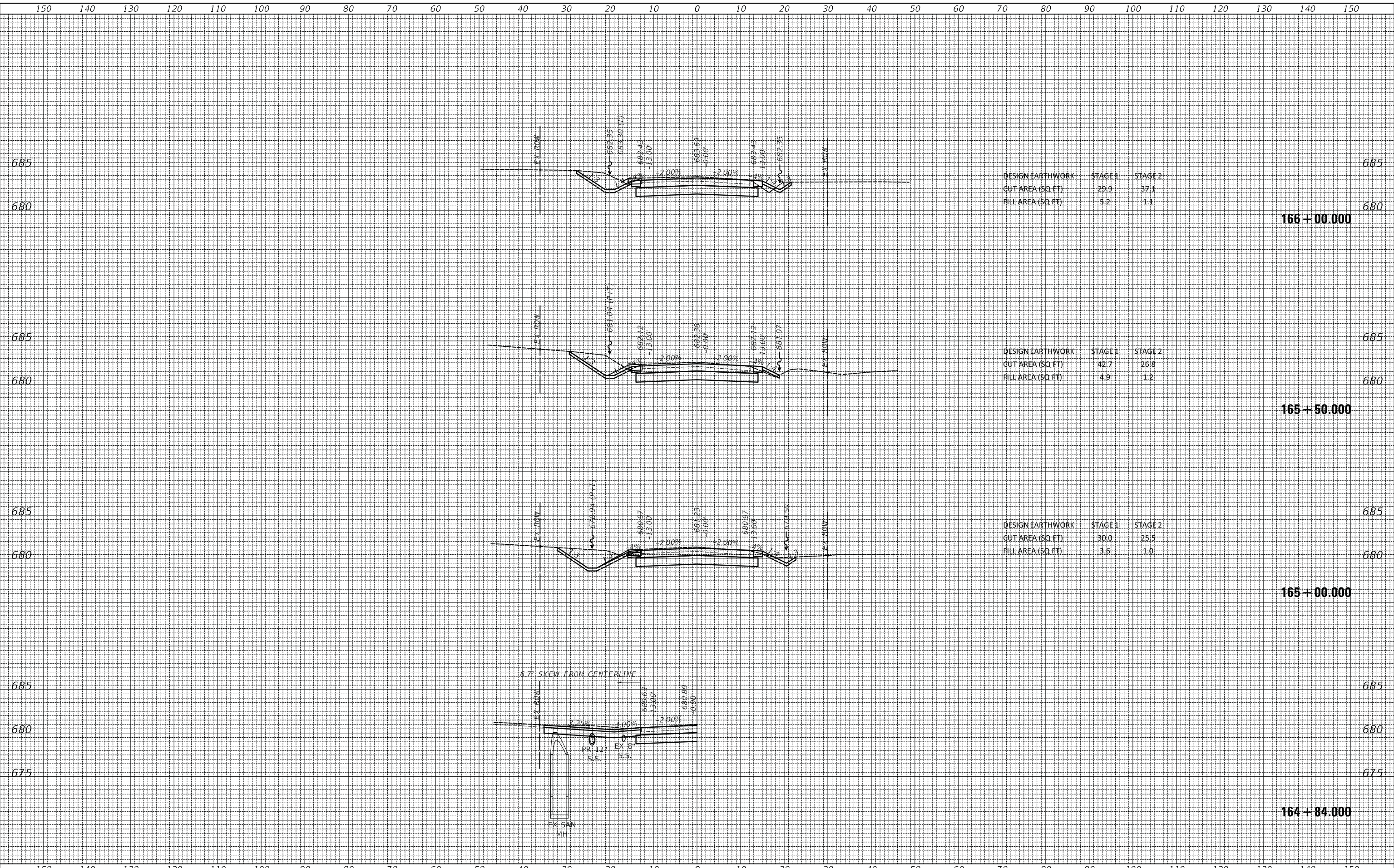
SCALE: 1"=10'H/5'V SHEET 20 OF 23 SHEETS STA. 164+00.000 TO STA. 164+50.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	103
				CONTRACT NO. 61G00
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: S:\MODEL\NAMEES
FILE NAME: ...373.dwg AS Rockland.dgn



USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

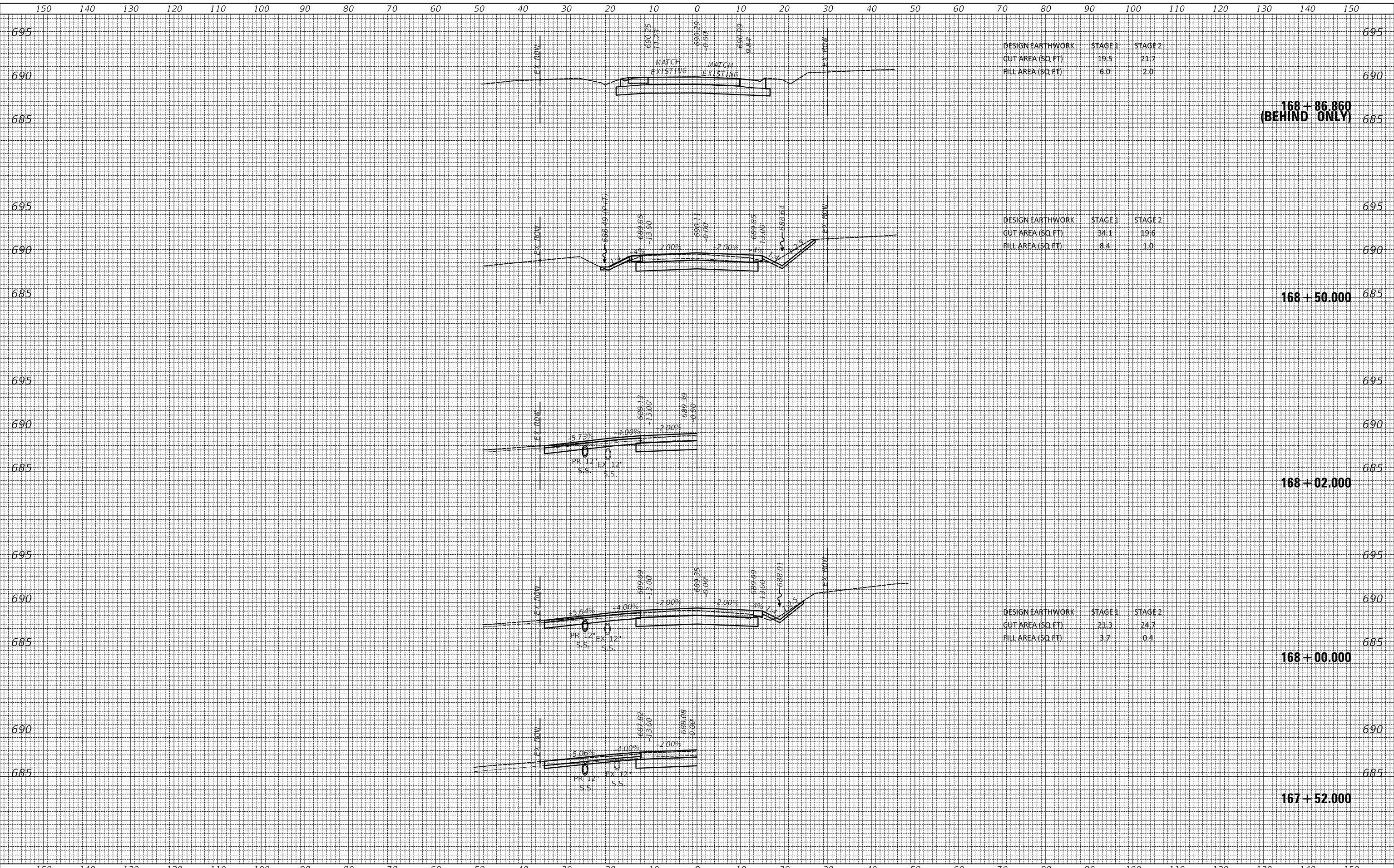
SCALE: 1"=10'H/5'V SHEET 21 OF 23 SHEETS STA. 164+84.000 TO STA. 166+00.000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1239	16-10130-02-WR	LAKE	106	104
				CONTRACT NO. 61G00
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: S:\MODEL\AMES
FILE NAME: ...373.dwg AS Rockland.dgn



DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	19.5	21.7
FILL AREA (SQ. FT.)	6.0	2.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	34.1	19.6
FILL AREA (SQ. FT.)	8.4	1.0

DESIGN EARTHWORK	STAGE 1	STAGE 2
CUT AREA (SQ. FT.)	21.3	24.7
FILL AREA (SQ. FT.)	3.7	0.4

USER NAME = djk	DESIGNED - JAT	REVISED -
	DRAWN - JAT	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - DJK	REVISED -
PLOT DATE = 7/3/2019	DATE - 7/08/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - ROCKLAND ROAD

SCALE: 1"=10'H/5'V SHEET 23 OF 23 SHEETS STA. 167+52.000 TO STA. 168+86.860

F.A.U. RTE. 1239	SECTION 16-10130-02-WR	COUNTY LAKE	TOTAL SHEETS 106	SHEET NO. 106
CONTRACT NO. 61G00				
ILLINOIS FED. AID PROJECT				