

03-08-13 LETTING ITEM 041

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN DEKALB TOWNSHIP

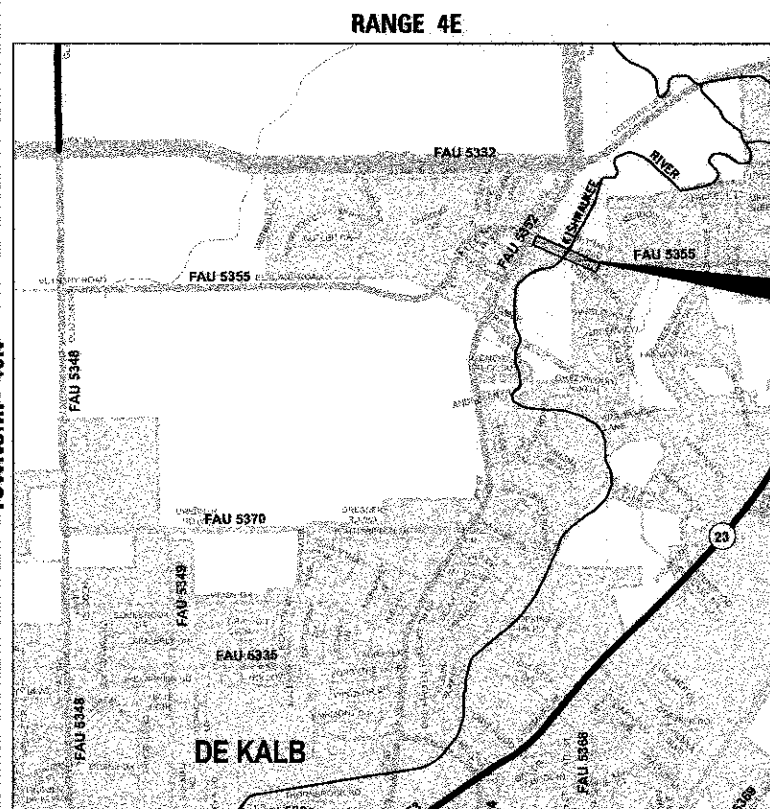
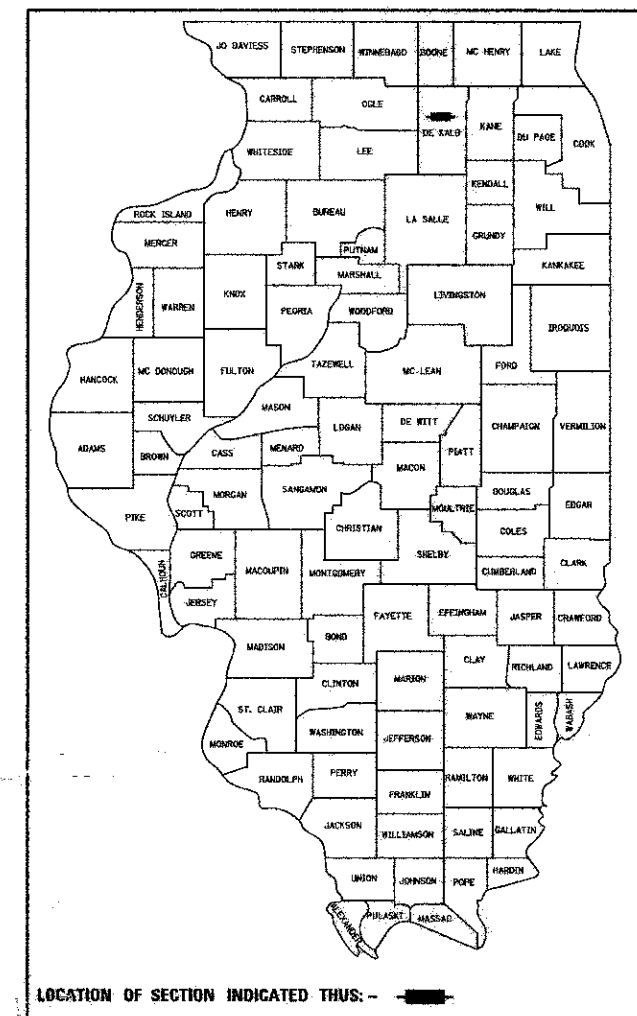
TRAFFIC DATA

2007 ADT = 12,600
 2027 ADT = 19,100
 DESIGN SPEED: 45 MPH

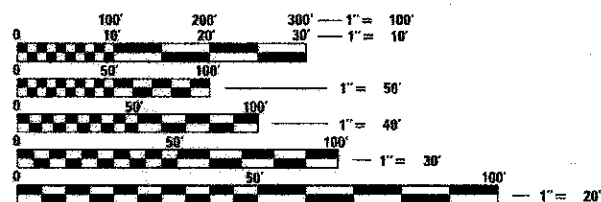
DESIGN DESIGNATION:
 MINOR ARTERIAL

F.A.U. RTE 5355 (BETHANY ROAD)
 SECTION 10-00167-01-WR
 PROJECT M-5017(048)
 ROADWAY WIDENING
 JOB NO. C-93-037-12
 DEKALB COUNTY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	1
ILLINOIS CONTRACT NO. 87544				



PROJECT BEGINS
 STA. 10 + 26.17
 OMISSION THROUGH
 STRUCTURE SN-019-6107
 STA. 16 + 87.20 TO
 STA. 18 + 79.90
 PROJECT ENDS
 STA. 27 + 00.00



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

DEKALB TOWNSHIP
 PROJECT GROSS LENGTH = 1673.8 FT (0.317 MILE)
 PROJECT NET LENGTH = 1481.1 FT (0.281 MILE)
 PROJECT LOCATED IN:
 PART OF SECTION 1 IN TOWNSHIP 40N, RANGE 4E, OF THE THIRD PRINCIPAL MERIDIAN,
 DEKALB COUNTY, ILLINOIS



DECEMBER 18 20 12
 Douglas P. Breunlin
 DOUGLAS P. BREUNLIN
 ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-036608
 EXPIRATION DATE 11-30-2013

WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 62454

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

APPROVED December 18, 2012
 Joel C. Mauer
 CITY OF DEKALB, CITY ENGINEER

PASSED 12-27-12
 [Signature]
 DISTRICT 3 LOCAL ROADS & STREETS ENGINEER

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW
12-27-12
 [Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

CONTRACT NO. 87544

FIELD ENGINEER: KELLY VLASTNIK (815) 434-8575

INDEX OF SHEETS, STATE STANDARDS & DISTRICT STANDARDS

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STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-01	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-01	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
602001-02	CATCH BASIN TYPE A
602301-03	INLET - TYPE A
602401-03	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604036-02	GRATE TYPE 8
604051-03	FRAME AND GRATE TYPE 11
604071-04	FRAME AND GRATE TYPE 20
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATION 2L, 2W, MORE THAN 15' AWAY
701006-04	OFF-RD OPERATION 2L, 2W, 4.5 M 15' TO 24" FROM PAVEMENT EDGE
701011-03	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES FOR SPEEDS ≥ 45 MPH
701427-01	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701901-02	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SUPPORT
780001-06	TYPICAL PAVEMENT MARKINGS
814001-02	HANDHOLES
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

DISTRICT STANDARDS

STANDARD NO.	DESCRIPTION
406-8	HMA DETAIL AT BUTT JOINTS
561-5	TYPICAL THRUST BLOCK INSTALLATIONS
563-3	WATER AND SEWER SEPERATION REQUIREMENTS - HORIZONTAL SEPERATION
563-4	WATER AND SEWER SEPERATION REQUIREMENTS - HORIZONTAL SEPERATION
606-10	DETAILS FOR CURB & GUTTER REPLACEMENT CATCH BASIN OR INLETS TO BE ADJUSTED OR RECONSTRUCTED
780-1	TYPICAL APPLICATION @ LEFT TURN LANES
780-3	TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS
780-5	ADVANCE AND INTERSECTION LANE DIVIDER LINES
780-8	PAVEMENT MARKING
780-10	TYPICAL PLACEMENT OF ARROWS IN TURN LANES
780-19	LEFT TURN LANE WITH APPROACH MEDIAN
780-20	LETTER AND ARROW GRID SCALE

FILE NAME = W:\P\Projects\2012\128195 Bethany\Fig3\CADD\Civil\Drawings\INDEX.dgn

WBK
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USER NAME = nperis	DESIGNED -	REVISED -
PLDT SCALE = 1/1	DRAWN -	REVISED -
PLDT DATE = 1/16/2013	CHECKED -	REVISED -
	DATE = 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS & STANDARDS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	2
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE APPLICABLE REQUIREMENT SET FORTH IN "THE CONSTRUCTION SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012 THEREINAFTER REFERRED TO AS STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM MANUAL TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" IN EFFECT ON THE DATE OF INVITATION FOR BIDS; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" LATEST EDITION; INTERIM SPECIAL PROVISIONS AS INCLUDED IN THE CONTRACT DOCUMENTS; AND THE DETAILS AND STANDARDS CONTAINED IN THESE PLANS.

BEFORE STARTING ANY EXCAVATIONS, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

THE LOCATIONS OF THE EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, REPRESENT DATA RECEIVED FROM VARIOUS SOURCES, IT IS NOT GUARANTEED TO BE CORRECT OR ALL INCLUSIVE. THE CONTRACTOR SHALL CONDUCT HIS OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OF ANY AND ALL EXISTING UTILITIES WHICH MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST IN ACCORDANCE WITH ARTICLE 105.07.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

ALL WORK SHALL BE COMPLETED WITHIN THE LIMITS OF THE PROJECT SHOWN. NO EQUIPMENT, MATERIALS OR A YARD OR FIELD OFFICE SHALL BE SET UP OR STORED ON COUNTY OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION OF THE OWNER AND ENGINEER.

MAINTENANCE OF TRAFFIC-GENERAL: TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES OF THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.

TRAFFIC CONTROL DEVICES: ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC AS DETAILED ON THE PLANS SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT.

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED- ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.

DURING CONSTRUCTION OPERATIONS ALL LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES AND TEMPORARY DITCHES THAT OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS. ALL DRAINAGE STRUCTURES SHALL BE CLEANED AS NECESSARY TO INSURE THAT THEY ARE FREE FROM ALL DIRT AND DEBRIS PRIOR TO THE FINAL INSPECTION OF THE PROJECT. THIS WORK WILL NOT BE MEASURED SEPERATELY FOR PAYMENT, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY FARM DRAIN, FIELD TILE SYSTEM OR OTHER UNDERGROUND TILE FACILITY ENCOUNTERED IN THE WORK SHALL BE LOCATED AND STAKED AND REPORTED TO THE RESIDENT ENGINEER. ANY DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN ITS ORIGINAL ALIGNMENT. IF THIS CANNOT BE ACCOMPLISHED, THE TILE SHALL BE REPAIRED AND CONNECTED TO THE PROPOSED STORM SEWER SYSTEM IN SUCH A MANNER AS TO RENDER THE LINES USABLE FOR THE PURPOSES INTENDED.

EARTHWORK SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING. STOCK PILING OF MATERIALS FOR LATER USE AND REDISTRIBUTION SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. STOCK PILING NECESSARY FOR RESPREADING IN SHOULDERS, CONSTRUCTING EMBANKMENTS, CUT OR BORROW AREAS SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE OF EARTH EXCAVATION.

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION: ITEM NO. 2100100 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION WILL ONLY BE UTILIZED IN AREAS THAT HAVE BEEN IDENTIFIED AS SUBGRADE UNDERCUTS AREAS OR WHERE DETERMINED IN THE FIELD BY A GEOTECHNICAL ENGINEER. THE FABRIC WILL BE USED IN COMBINATION WITH AGGREGATE SUBGRADE IMPROVEMENTS (CU YD). THE QUANTITY INCLUDED IN THE PLANS IS BASED ON THE SUBSURFACE INVESTIGATION PREPARED BY TESTING SERVICE CORPORATION RECOMMENDATIONS FOR UNDERCUT AREAS.

ALL EXCAVATION AND EMBANKMENT LOCATIONS REQUIRING SEEDING OR SODDING SHALL BE CONSTRUCTED TO 4 INCHES BELOW FINISHED GRADE LINE TO ALLOW TOPSOIL PLACEMENT.

PAVEMENT ELEVATIONS: THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES FOR THE PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.

THE HORIZONTAL DATUM IS NAD 83 AND THE VERTICAL DATUM IS NAVD 29.

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDDED WILL BE DETERMINED BY THE ENGINEER.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BIT MATERIALS (PRIME COAT) ON AGGREGATE BASES	0.375	GAL / SQ YD
FOR ADDITIONAL HMA LIFTS "FOG COAT"	0.08	GAL / SQ YD
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HMA RESURFACING	112	LBS / SQ YD / INCH
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION

THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.

REMOVAL OF EXCAVATED MATERIAL AND CLEAN CONSTRUCTION OR DEMOLITION DEBRIS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAWFUL REMOVAL OF ALL EXCAVATED SOIL, MATERIAL AND OTHER CLEAN CONSTRUCTION OR DEMOLITION DEBRIS IN COMPLIANCE WITH PUBLIC ACT 96-1416. ALL COSTS FOR REMOVAL, HAULING, DISPOSING AND DOCUMENTATION OF ASPHALT, CONCRETE, STONE, SOIL, ANY COMBINATION THEREOF OR ANY OTHER EXCAVATED MATERIAL SHALL BE INCLUDED IN THE COST OF EACH PAY ITEM AND WILL NOT BE PAID FOR SEPARATELY OR AS AN ADDITIONAL ITEM. ANY COSTS INCLUDING BUT NOT LIMITED TO HAULING, TIPPING FEE, CHARGES, DOCUMENTATION, TESTING, OR CERTIFICATIONS RELATED TO COMPLIANCE WITH PUBLIC ACT 96-1416 IS INCIDENTAL TO EACH PAY ITEM WHERE REMOVAL IS SPECIFIED. THE CONTRACTOR SHALL NOT RELY ON THE CITY OF DEKALB TO PROVIDE SOURCE SITE CERTIFICATION FOR REMOVAL OF ANY MATERIALS.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	3
CONTRACT NO. 87544			ILLINOIS FED. AID PROJECT	

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

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

USER NAME = nperris	DESIGNED -	REVISED -
PLDT SCALE = 1:1	DRAWN -	REVISED -
PLDT DATE = 12/20/2012	CHECKED -	REVISED -
	DATE = 12/21/12	REVISED -

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						80% FEDERAL 20% STATE	
						ROADWAY 0003 URBAN	TRAINEES 0042 URBAN
		20101100	TREE TRUNK PROTECTION	EACH	4	4	
S		20200100	EARTH EXCAVATION	CU YD	1,910	1910	
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	600	600	
S		20400800	FURNISHED EXCAVATION	CU YD	775	775	
		20800150	TRENCH BACKFILL	CU YD	480	480	
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	2,900	2900	
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	5,271	5271	
		25000110	SEEDING, CLASS IA	ACRE	1.25	1.25	
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	113	113	
		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	113	113	
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	113	113	
		25100630	EROSION CONTROL BLANKET	SO YD	5,801	5801	
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	550	550	
S		28000305	TEMPORARY DITCH CHECKS	FOOT	190	190	
		28000400	PERIMETER EROSION BARRIER	FOOT	2,273	2273	
		28000500	INLET AND PIPE PROTECTION	EACH	40	40	
S		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	600	600	
S		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	3,506	3506	
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	365	365	
		35101800	AGGREGATE BASE COURSE, TYPE B 6"	SO YD	1,133	1133	
		35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	365	365	
S		40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	10	10	
		40600300	AGGREGATE (PRIME COAT)	TON	23	23	
		40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
		40600990	TEMPORARY RAMP	SO YD	201	201	
		40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,945	1945	
		40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	168	168	
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1,047	1047	
		42001300	PROTECTIVE COAT	SO YD	629	629	
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	910	910	
		42400800	DETECTABLE WARNINGS	SO FT	203	203	
		44000100	PAVEMENT REMOVAL	SO YD	1,050	1050	

FILE NAME: \\P:\Programs\2012\120155_Burke\Sub\3\CADD\Cv\11\Qm\Bh\A\S001.dgn

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USER NAME = nparv18	DESIGNED -	REVISED -
PLOT SCALE = 1:1	DRAWN - NDP	REVISED -
PLT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 4
CONTRACT NO. 87544				ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						80% FEDERAL 20% STATE	
						ROADWAY 0003 URBAN	TRAINEES 0042 URBAN
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	435	435	
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	290	290	
		44000600	SIDEWALK REMOVAL	SQ FT	340	340	
		44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	24	24	
		44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	160	160	
S		44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	5,130	5130	
S		48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	40	40	
		50105220	PIPE CULVERT REMOVAL	FOOT	92	92	
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	810	810	
		550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	251	251	
		550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	90	90	
		55100900	STORM SEWER REMOVAL 18"	FOOT	7	7	
		60238800	INLETS, TYPE A	EACH	2	2	
S		60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	
		60262700	INLETS TO BE RECONSTRUCTED	EACH	2	2	
		60402210	GRATES, TYPE B	EACH	2	2	
		60404800	FRAMES AND GRATES, TYPE 11	EACH	16	16	
		60404910	FRAMES AND GRATES, TYPE 20	EACH	1	1	
		60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	2	2	
		60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1	
		60500040	REMOVING MANHOLES	EACH	1	1	
		60500050	REMOVING CATCH BASINS	EACH	1	1	
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2,376	2376	
		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	186	186	
S		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5	
		67100100	MOBILIZATION	L SUM	1	1	
S		70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
S		70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
S		70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
		70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	14	14	
S		70106800	CHANGEABLE MESSAGE SIGN	CAL MO	6	6	
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,200	2200	

FILE NAME = \\P:\projects\2012\12185 Bethany\5355\Civil\Drawings\S02.dwg

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USER NAME = nparr13	DESIGNED -	REVISED -
PLOT SCALE = 1:1	DRAWN - NDP	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 5
CONTRACT NO. B7544				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						80% FEDERAL 20% STATE	
						ROADWAY 0003 URBAN	TRAINEES 0042 URBAN
		70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	64	64	
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	11,600	11600	
		70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	800	800	
		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	40	40	
		70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	936	936	
S		70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	4,544	4544	
	•	72000100	SIGN PANEL - TYPE 1	SQ FT	52	52	
	•	72000200	SIGN PANEL - TYPE 2	SQ FT	10	10	
	•	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	8	8	
	•	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	102	102	
	•	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	336	336	
	•	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6,718	6718	
	•	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	319	319	
	•	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1,716	1716	
	•	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	610	610	
	•	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	175	175	
S	*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	893	893	
S	*	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	36	36	
S		78300100	PAVEMENT MARKING REMOVAL	SQ FT	2,645	2645	
S	•	81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	353	353	
S	•	81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2	2	
S	•	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
	•	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	100	100	
	•	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	100	100	
	•	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	290	290	
	•	87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	814	814	
	•	87900200	DRILL EXISTING HANDHOLE	EACH	1	1	
	•	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	1	
	•	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1	1	
	•	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4	4	
	•	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	1	1	
S	•	88500100	INDUCTIVE LOOP DETECTOR	EACH	1	1	

FILE NAME = M:\Projects\2012\120185 BethanySgs\CADD\Civil\Open\Sheet\6003.dgn



USER NAME = nparris	DESIGNED -	REVISED -
PLOT SCALE = 1:1	DRAWN - NDP	REVISED -
PLOT DATE = 12/28/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES	
SCALE:	SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 6
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

SPECIAL PROVISION	SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
						80% FEDERAL 20% STATE	
						ROADWAY 0003 URBAN	TRAINEES 0042 URBAN
S	•	88600100	DETECTOR LOOP, TYPE I	FOOT	489	489	
	•	88800100	PEDESTRIAN PUSH-BUTTON	EACH	4	4	
S	•	89502200	MODIFY EXISTING CONTROLLER	EACH	1	1	
S	•	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
S	•	89502380	REMOVE EXISTING HANDHOLE	EACH	2	2	
S		K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L SUM	1	1	
S		X0326806	WASHOUT BASIN	L SUM	1	1	
S		X0327036	BIKE PATH REMOVAL	SO YD	80	80	
S		X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100	
S		X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	4,648	4648	
S		X4430200	REFLECTIVE CRACK CONTROL TREATMENT, SPECIAL	FOOT	686	686	
S		X4811900	AGGREGATE SHOULDERS (SPECIAL)	TON	136	136	
S	•	X5610662	WATER MAIN TO BE ABANDONED, 12"	FOOT	374	374	
S	•	X5610712	WATER MAIN REMOVAL, 12"	FOOT	45	45	
S	•	X5611112	DUCTILE IRON WATER MAIN, CLASS 52 WITH POLYETHYLENE ENCASEMENT, 12"	FOOT	442	442	
S		X5619210	WATER VALVES TO BE ADJUSTED, SPECIAL	EACH	3	3	
S	•	X5620035	WATER SERVICE CONNECTION 1 1/2"	EACH	1	1	
S		X6013600	PIPE UNDERDRAINS 4" (MODIFIED)	FOOT	100	100	
S		X6024240	INLETS, SPECIAL	EACH	6	6	
S		X6026622	VALVE VAULTS TO BE REMOVED	EACH	2	2	
S		X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	1	1	
S		X8140115	HANDHOLE TO BE ADJUSTED	EACH	1	1	
S	•	XX003032	GATE VALVES, 12"	EACH	3	3	
S		XX005472	DRAINAGE STRUCTURE SPECIAL	EACH	12	12	
S		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
S		Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	28	28	
S		Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	569	569	
S		Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	12	12	
S		Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	362	362	
S		Z0076600	TRAINEES	HOUR	500		500
S		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500		500
S		XX008815	TEMPORARY PAVEMENT PATCH, 2 INCH	SO YD	121	121	
S		XX008569	CATCH BASINS, TYPE A, 4'-DIAMETER	EACH	2	2	

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WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
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USER NAME = nparis	DESIGNED -	REVISED -
PLOT SCALE = 1:1	DRAWN - NDP	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 7
CONTRACT NO. 87544				ILLINOIS FED. AID PROJECT

SCHEDULE OF LANDSCAPING AND EROSION CONTROL QUANTITIES

LOCATION	OFF.	20101100	21101625	25000110	25000400	25000500	2500600	25100630	28000250	28000305	28000400	28000500
		TREE TRUNK PROTECTION	TOPSOIL FURNISH AND PLACE, 4"	SEEDING, CLASS 1A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING (5 APPS.)	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
		(EACH)	(SQ YD)	(SQ YD)	(LBS)	(LBS)	(LBS)	(SQ YD)	(LBS)	(FOOT)	(FOOT)	(EACH)
MAINLINE												
9+00 - 10+50	LT/RT		143.9	143.9	2.7	2.7	2.7	143.9	14.9		114.7	1
10+50 - 11+00	LT/RT		145.7	145.7	2.7	2.7	2.7	145.7	15.1		104.6	2
11+00 - 11+50	LT/RT		161.1	161.1	3.0	3.0	3.0	161.1	16.6		100.1	3
11+50 - 12+00	LT/RT		162.9	162.9	3.0	3.0	3.0	162.9	16.8		100.0	
12+00 - 12+50	LT/RT		162.9	162.9	3.0	3.0	3.0	162.9	16.8		100.0	2
12+50 - 13+00	LT/RT		162.9	162.9	3.0	3.0	3.0	162.9	16.8	20	100.0	
13+00 - 13+50	LT/RT		166.9	166.9	3.1	3.1	3.1	166.9	17.2		100.0	1
13+50 - 14+00	LT/RT		109.1	109.1	2.0	2.0	2.0	109.1	11.3		58.4	3
14+00 - 14+50	LT/RT		168.7	168.7	3.1	3.1	3.1	168.7	17.4	10	100.0	
14+50 - 15+00	LT/RT		179.7	179.7	3.3	3.3	3.3	179.7	18.6		100.0	2
15+00 - 15+50	LT/RT		120.1	120.1	2.2	2.2	2.2	120.1	12.4		79.9	1
15+50 - 16+00	LT/RT		166.2	166.2	3.1	3.1	3.1	166.2	17.2	20	100.0	3
16+00 - 16+50	LT/RT		21.0	21.0	0.4	0.4	0.4	21.0	2.2		34.8	4
16+50 - 17+00	LT/RT											
18+50 - 19+00	LT/RT											
19+00 - 19+50	LT/RT											
19+50 - 20+00	LT/RT		110.1	110.1	2.0	2.0	2.0	110.1	11.4		54.5	3
20+00 - 20+50	LT/RT		228.5	228.5	4.2	4.2	4.2	228.5	23.6	20	51.7	1
20+50 - 21+00	LT/RT		228.5	228.5	4.2	4.2	4.2	228.5	23.6		51.7	1
21+00 - 21+50	LT/RT		228.5	228.5	4.2	4.2	4.2	228.5	23.6	20	51.7	3
21+50 - 22+00	LT/RT		188.7	188.7	3.5	3.5	3.5	188.7	19.5		51.7	
22+00 - 22+50	LT/RT	1	180.0	180.0	3.3	3.3	3.3	180.0	18.6	10	51.7	
22+50 - 23+00	LT/RT	1	227.7	227.7	4.2	4.2	4.2	227.7	23.5		51.7	2
23+00 - 23+50	LT/RT		228.6	228.6	4.3	4.3	4.3	228.6	23.6	20	51.7	
23+50 - 24+00	LT/RT		199.4	199.4	3.7	3.7	3.7	199.4	20.6		37.6	
24+00 - 24+50	LT/RT		205.2	205.2	3.8	3.8	3.8	205.2	21.2	10	40.9	3
24+50 - 25+00	LT/RT		228.6	228.6	4.3	4.3	4.3	228.6	23.6	20	51.7	
25+00 - 25+50	LT/RT		228.6	228.6	4.3	4.3	4.3	228.6	23.6		51.7	1
25+50 - 26+00	LT/RT		228.6	228.6	4.3	4.3	4.3	228.6	23.6		51.7	
26+00 - 26+50	LT/RT		228.8	228.8	4.3	4.3	4.3	228.8	23.6	20	51.4	
26+50 - 27+00	LT/RT		229.7	229.7	4.3	4.3	4.3	229.7	23.7		50.0	2
27+00 - 27+50	LT/RT		107.2	107.2	2.0	2.0	2.0	107.2	11.1		50.0	
27+50 - 28+00	LT/RT		91.6	91.6	1.7	1.7	1.7	91.6	9.5		50.0	
28+00 - 28+50	LT/RT		31.6	31.6	0.6	0.6	0.6	31.6	3.3		18.7	2
MAINTENANCE / REPL.		2						530.0		20	210.0	
TOTAL		4	5,271.0	5,271.0	98.0	98.0	98.0	5,801.0	545.0	190	2,273	40
				1.25 AC	113 LBS	113 LBS	113 LBS		550 LBS			

FILE NAME: \\P:\Projects\2012\12015_Berthony\Sigs\CADD\G:\1\0pm\Sht\SCHED\EL.dgn

SCHEDULE OF PAVEMENT REMOVAL QUANTITIES

LOCATION	OFF.	40600990	44000100	X4401198	44000200	44000500	44000600	44201777	44201781	44300200	X0327036	X4430200
		TEMPORARY RAMP	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, VAR. DEPTH	DRIVEWAY PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	CLASS D PATCHES, TYPE II, 11 INCH	CLASS D PATCHES, TYPE III, 11 INCH	STRIP REFLECTIVE CRACK CONTROL TREATMENT (1)	BIKE PATH REMOVAL	REFLECTIVE CRACK CONTROL TREATMENT, SPECIAL (2)
		(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)	(SQ FT)	(SQ YD)	(SQ YD)	(FOOT)	(SQ YD)	(FOOT)
MAINLINE												
9+00 - 10+50	LT/RT	92.0	35.6	282.0		68.1	27.0			161.0	79.9	
10+50 - 11+00	LT/RT		53.6	337.3		117.7	313.0			268.8		
11+00 - 11+50	LT/RT		75.1	243.3		42.9			24.4	250.5		88.0
11+50 - 12+00	LT/RT		77.8	198.1						254.6		
12+00 - 12+50	LT/RT		79.6	194.2					19.4	250.0		70.0
12+50 - 13+00	LT/RT		84.5	193.3						250.0		
13+00 - 13+50	LT/RT		87.2	192.2					38.4	250.0		140.0
13+50 - 14+00	LT/RT		89.1	190.4					19.0	250.0		70.0
14+00 - 14+50	LT/RT		35.9	187.0						250.0		
14+50 - 15+00	LT/RT		12.3	180.7					18.2	150.0		65.0
15+00 - 15+50	LT/RT		11.2	170.4						150.7		
15+50 - 16+00	LT/RT		18.4	253.4		20.5				180.4		
16+00 - 16+50	LT/RT			293.3						50.0		
16+50 - 17+00	LT/RT	39.0		214.5						37.2		
18+50 - 19+00	LT/RT	39.0		114.3						20.1		
19+00 - 19+50	LT/RT			272.2						50.0		
19+50 - 20+00	LT/RT			258.9		20.0				50.0		
20+00 - 20+50	LT/RT		9.9	140.5						197.8		
20+50 - 21+00	LT/RT		11.1	14.9						200.4		
21+00 - 21+50	LT/RT		11.1							200.4		44.0
21+50 - 22+00	LT/RT		11.1							180.2		
22+00 - 22+50	LT/RT		12.0					12.7		150.1		44.0
22+50 - 23+00	LT/RT		12.1					11.0		150.1		44.0
23+00 - 23+50	LT/RT		14.3							150.0		
23+50 - 24+00	LT/RT		18.5	11.2						149.9		
24+00 - 24+50	LT/RT		25.3	29.8						149.9		53.0
24+50 - 25+00	LT/RT		35.6	54.2						149.8		
25+00 - 25+50	LT/RT		54.0	87.3						149.8		
25+50 - 26+00	LT/RT		73.0	141.4						149.8		
26+00 - 26+50	LT/RT		55.2	186.9						152.5		
26+50 - 27+00	LT/RT	31.0	46.5	206.0		20.0			18.9	126.0		68.0
27+00 - 27+50	LT/RT											
27+50 - 28+00	LT/RT											
28+00 - 28+50	LT/RT											
ENTRANCES												
13+81	CE RT				90.6							
15+25	PE LT				111.7							
21+98	PE LT				125.1							
23+98	CE RT				107.0							
TOTAL		201.0	1050.0	4648.0	435.0	290.0	340.0	24.0	160.0	5130.0	80.0	686.0

(1) CRACK CONTROL FOR LOGINTUDINAL TREATMENTS (SYSTEM A)
 (2) CRACK CONTROL FOR TRANSVERSE TREATMENTS

FILE NAME = W:\Projects\2012\20120150_Bashony\523\CA001\CV\1\0gn\Sh\A\SCHEDULE12.dgn

WILLS BURKE KELSEY ASSOCIATES LTD.
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USER NAME = mpraris	DESIGNED - KMA	REVISED -
DRAWN - KMA	CHECKED - DPB	DATE - 12/21/12
PLOT SCALE = 1:1		
PLOT DATE = 12/28/2012		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	10
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF DRAINAGE AND UTILITY REMOVAL AND ADJUSTMENT QUANTITIES

LOCATION	OFF.	50105220	55100900	60262700	60500040	60500050	X5619210	X6026622	X6030310	X8140115	
		PIPE CULVERT REMOVAL	STORM SEWER REMOVAL, 18"	INLETS TO BE RECONSTR.	REMOVING MANHOLES	REMOVING CATCH BASINS	WATER VALVES TO BE ADJUSTED, SPECIAL	VALVE VAULTS TO BE REMOVED	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	HANDHOLE TO BE ADJUSTED	DOUBLE HANDHOLE TO BE ADJUSTED
		(FOOT)	(FOOT)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
MAINLINE											
9+00 - 10+50	LT/RT										
10+50 - 11+00	LT/RT						2	1	1	1	1
11+00 - 11+50	LT/RT						1	1			
11+50 - 12+00	LT/RT										
12+00 - 12+50	LT/RT										
12+50 - 13+00	LT/RT										
13+00 - 13+50	LT/RT										
13+50 - 14+00	LT/RT										
14+00 - 14+50	LT/RT										
14+50 - 15+00	LT/RT										
15+00 - 15+50	LT/RT		7.0		1	1					
15+50 - 16+00	LT/RT										
16+00 - 16+50	LT/RT										
16+50 - 17+00	LT/RT										
18+50 - 19+00	LT/RT										
19+00 - 19+50	LT/RT										
19+50 - 20+00	LT/RT										
20+00 - 20+50	LT/RT			1							
20+50 - 21+00	LT/RT			1							
21+00 - 21+50	LT/RT										
21+50 - 22+00	LT/RT										
22+00 - 22+50	LT/RT										
22+50 - 23+00	LT/RT										
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26+00 - 26+50	LT/RT										
26+50 - 27+00	LT/RT										
27+00 - 27+50	LT/RT										
27+50 - 28+00	LT/RT										
28+00 - 28+50	LT/RT										
ENTRANCES											
13+81	CE	RT									
15+25	PE	LT									
21+98	PE	LT	37.0								
23+98	CE	RT	55.0								
TOTAL			92.0	7.0	2	1	1	3	2	1	1

FILE NAME: W:\Projects\2012\20150_Bechara\g3\GDD\Civil\Drawings\Schedule.dgn

WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
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USER NAME = nparriss	DESIGNED = KMA	REVISED =
PLDT SCALE = 1:1	DRAWN = KMA	REVISED =
PLDT DATE = 12/20/2012	CHECKED = DPB	REVISED =
	DATE = 12/21/12	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE:	SHEET NO. 3 OF 6 SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	11
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF EARTHWORK QUANTITIES

LOCATION	END AREAS				TOPSOIL	EARTH WORK			SUBGRADE IMPROVEMENT		
	TOPSOIL STRIPPING (TSS)	UNDERCUTS (UC)	CUT (C)	FILL (F)	20201100 EARTH EXCAVATION	20200100 EARTH EXCAVATION	EMBANKMENT	20400800 FURNISHED EX. BALANCE WASTE (+) or SHORTAGE (-)	20201200 REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	30300001 AGGREGATE SUBGRADE IMPROVEMENT	21001000 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)
10+50.00	0.6	0.0	27.9	0.0							
11+00.00	8.8	0.0	24.6	12.5	8.70	48.61	11.57	+29.75	0.00	0.00	
11+50.00	9.2	0.0	28.2	17.0	16.67	48.89	27.31	+14.25	0.00	0.00	
12+00.00	11.0	0.0	30.2	24.7	18.70	54.07	38.61	+7.35	0.00	0.00	
12+50.00	12.4	0.0	31.5	27.8	21.67	57.13	48.61	-0.05	0.00	0.00	
13+00.00	9.9	14.3	32.6	22.8	20.65	59.35	46.85	+3.60	13.24	13.24	79.44
13+50.00	10.1	14.4	34.1	4.8	18.52	61.76	25.56	+26.94	26.57	26.57	159.42
14+00.00	8.9	14.4	37.6	6.6	17.59	66.39	10.56	+45.87	26.67	26.67	160.02
14+50.00	15.0	14.3	40.1	19.6	22.13	71.94	24.26	+36.89	26.57	26.57	159.42
15+00.00	14.0	14.6	26.3	36.8	26.85	61.48	52.22	+0.04	26.76	26.76	160.56
15+50.00	17.4	13.2	30.6	68.9	29.07	52.69	97.87	-53.08	25.74	25.74	154.44
15+87.00	7.2	0.0	21.8	0.4	16.86	35.90	47.48	-16.97	9.04	9.04	54.24
19+85.00	5.9	7.8	11.9	0.4							
20+00.00	11.8	7.8	8.4	12.1	4.92	5.64	3.47	+1.32	4.33	4.33	8.66
20+50.00	19.8	43.7	17.6	105.3	29.26	24.07	108.70	-88.24	47.69	47.69	95.38
21+00.00	19.2	14.6	13.6	93.2	36.11	28.89	183.80	-159.24	53.98	53.98	107.96
21+50.00	18.2	14.6	18.0	87.0	34.63	29.26	166.85	-141.98	27.04	27.04	162.24
22+00.00	24.1	14.5	27.9	54.5	39.17	42.50	131.02	-94.90	26.94	26.94	161.64
22+50.00	20.0	15.5	16.0	61.2	40.83	40.65	107.13	-72.58	27.78	27.78	166.68
23+00.00	19.2	14.5	12.7	67.8	36.30	26.57	119.44	-96.86	27.78	27.78	166.68
23+50.00	17.5	13.7	15.7	68.9	33.98	26.30	126.57	-104.22	26.11	26.11	156.66
24+00.00	17.7	12.8	34.1	12.1	32.59	46.11	75.00	-35.81	24.54	24.54	147.24
24+50.00	15.1	11.8	26.2	48.7	30.37	55.83	56.30	-8.84	22.78	22.78	136.68
25+00.00	12.7	11.6	30.0	38.0	25.74	52.04	80.28	-36.05	21.67	21.67	130.02
25+50.00	11.5	11.6	33.5	28.2	22.41	58.80	61.30	-11.32	21.48	21.48	128.88
26+00.00	10.9	11.6	31.9	20.6	20.74	60.56	45.19	+6.29	21.48	21.48	128.88
26+50.00	10.5	8.6	27.0	10.9	19.81	54.54	29.17	+17.19	18.70	18.70	112.20
26+87.00	12.1	8.6	34.8	0.8	15.49	42.34	8.02	+27.97	11.79	11.79	70.74
27+00.00	5.5	0.0	4.7	0.0	4.24	9.51	0.19	+7.89	2.07	2.07	12.42
27+50.00	4.4	0.0	5.0	0.0	9.17	8.98	0.00	+7.63	0.00	0.00	0.00
28+14.00	4.5	0.0	4.8	0.0	10.55	11.61	0.00	+9.87	0.00	0.00	0.00
SHRINKAGE FACTOR		15%		TOTAL	663.7	1,242.4	1,733.3	-771.9	540.8	540.8	2,820.5
				ADJ. TOTAL	665.0	1,245.0		775.0	600.0	600.0	2,900.0

EARTHWORK GENERAL NOTES

ALL EARTHWORK QUANTITIES ARE CALCULATED BY THE METHOD OF AVERAGE END AREAS USING THE PLAN CROSS SECTIONS.

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

IT HAS BEEN ASSUMED THAT STAGING WILL PREVENT SURPLUS EARTH FROM THE WEST SIDE OF THE BRIDGE FROM BEING AVAILABLE FOR FILL ON THE EAST SIDE. THEREFORE, THE SURPLUS BETWEEN STATIONS 10+50 AND 15+87 DO NOT FACTOR INTO THE TOTAL FOR FURNISHED EXCAVATION.

RECOMMENDATIONS OUTLINED IN THE ROADWAY GEOTECHNICAL REPORT PREPARED BY TESTING SERVICE CORPORATION, DATED SEPTEMBER 5, 2006 AND UPDATED AUGUST 10, 2007 WERE USED IN PREPARATION OF THE ROADWAY PLANS AND RELATED EARTHWORK CALCULATIONS.

AS OUTLINED IN THE ROADWAY GEOTECHNICAL REPORT, THE TOPSOIL THICKNESS WAS ESTIMATED AT 3-8 INCHES. FOUR (4) INCHES WAS ASSUMED ON THIS PROJECT FOR THE PURPOSE OF CALCULATING TOPSOIL STRIPPING QUANTITIES.

IF UNDERCUTS ARE ENCOUNTERED, UNDERCUTS WILL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. AFTER TOPSOIL STRIPPING AND VEGETATION CLEARING AND PRIOR TO UNDERCUTTING, THE SUBGRADE WILL BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER IN ACORDANCE WITH THE IDOT SUBGRADE STABILITY MANUAL TO DETERMINE REMEDIAL TREATMENT.

TESTING OF SUBGRADES AND EMBANKMENTS WILL BE REQUIRED. TESTING REQUIREMENTS WILL BE PER THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND THE SUBGRADE STABILITY MANUAL. IF PROOF ROLLS ARE REQUIRED BY THE ENGINEER, THE COST SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

EARTH EXCAVATION SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING OR SEQUENCING OF CONTRACTORS OPERATIONS THAT REQUIRE STOCKPILING OF MATERIALS FOR LATER USE, REDISTRIBUTION AND RESPREADING IN SHOULDERS AND CONSTRUCTING OF EMBANKMENTS. HANDLING OF TOPSOIL WHETHER FROM AN ON-SITE STOCKPILE OR FROM AN OFF-SITE LOCATION WILL BE PAID FOR AS "TOPSOIL FURNISH AND PLACE, 4\"". UNDERCUTS QUANTITIES HAVE BEEN CALCULATED BASED ON THE FOLLOWING UNDERCUT RECOMMENDATIONS:

STA. 13+00 TO STA. 16+87; UNDERCUT 6" AND REPLACE WITH AGG. SUBGRADE IMPROVEMENT
 STA. 18+80 TO STA. 20+56; UNDERCUT 18" AND REPLACE WITH AGG. SUBGRADE IMPROVEMENT
 STA. 20+56 TO STA. 23+50; NO SPECIAL TREATMENT SUGGESTED
 STA. 23+50 TO STA. 26+50; UNDERCUT 6" AND REPLACE WITH AGG. SUBGRADE IMPROVEMENT

AGGREGATE SUBGRADE IMPROVEMENT, 12" IS PROPOSED UNDER THE FULL DEPTH PAVEMENT. ANY AGGREGATE SUBGRADE IMPROVEMENT FOR UNDERCUT BELOW THIS 12" BASE WILL BE PAID FOR SEPARATELY PER CUBIC YARD OF "AGGREGATE SUBGRADE IMPROVEMENT".

THE TOTAL ESTIMATED QUANTITY FOR "AGGREGATE SUBGRADE IMPROVEMENT", HAS BEEN ROUNDED UP APPROXIMATELY 60 CU YD TO ACCOUNT FOR POSSIBLE ADDITIONAL UNDERCUT THAT MAY BE REQUIRED DEPENDING ON FIELD CONDITIONS.

FILE NAME: W:\Projects\2012\120125_Bathonia\fig3\CADD\Drawings\SHAS\SCHEDULE.dwg

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 116 West Main Street, Suite 201
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USER NAME = nper118	DESIGNED - KMA	REVISED -
PLOT SCALE = 1/4"	DRAWN - KMA	REVISED -
PLOT DATE = 12/28/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 14
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

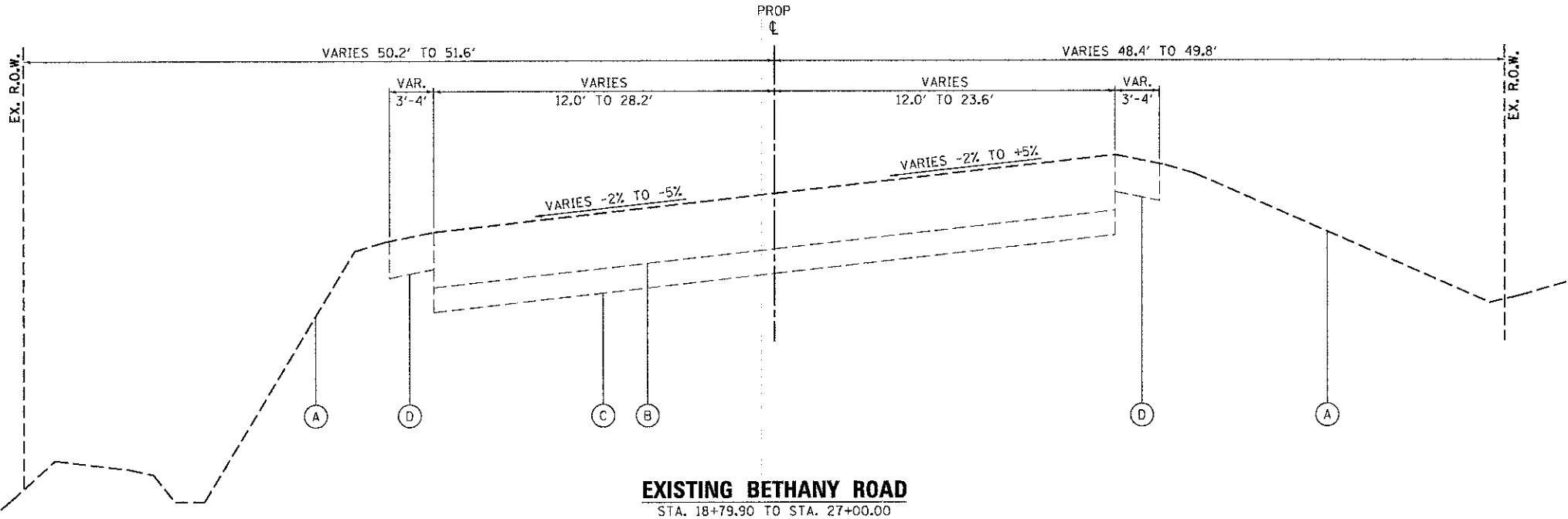
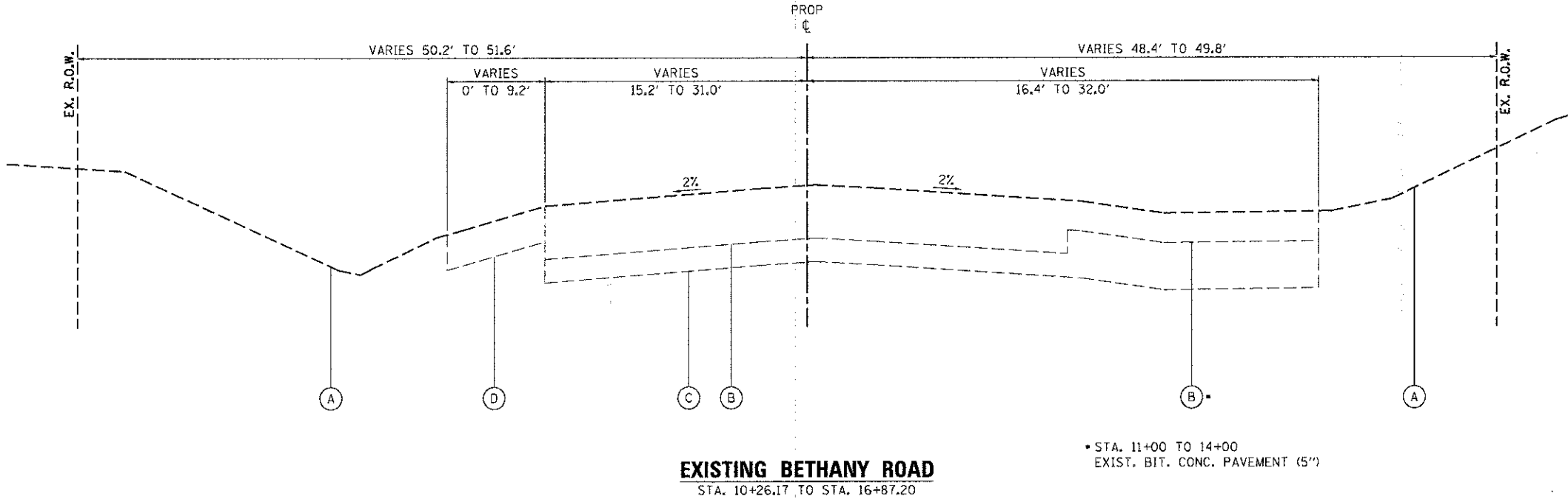
TYPICAL SECTIONS

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING BIT. CONC. PAVEMENT (8.8"-10.8")
- (C) EXISTING AGGREGATE BASE (UNKNOWN THICKNESS)
- (D) EXISTING AGGREGATE SHOULDER

EXISTING PAVEMENT NOTES

1. INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE SUBSURFACE INVESTIGATION REPORT PREPARED BY TESTING SERVICE CORPORATION DATED AUGUST 10, 2007. SEE ADDITIONAL NOTE BELOW.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE THICKNESS OF THE EXISTING PAVEMENTS TO BE REMOVED AND THE EXTENT TO WHICH IT WAS REINFORCED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF VARIATIONS FROM THE ASSUMED THICKNESS SHOWN ON THE PLANS OR FOR VARIATIONS IN THE AMOUNT OF REINFORCEMENT.



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St. Charles, Illinois 60174

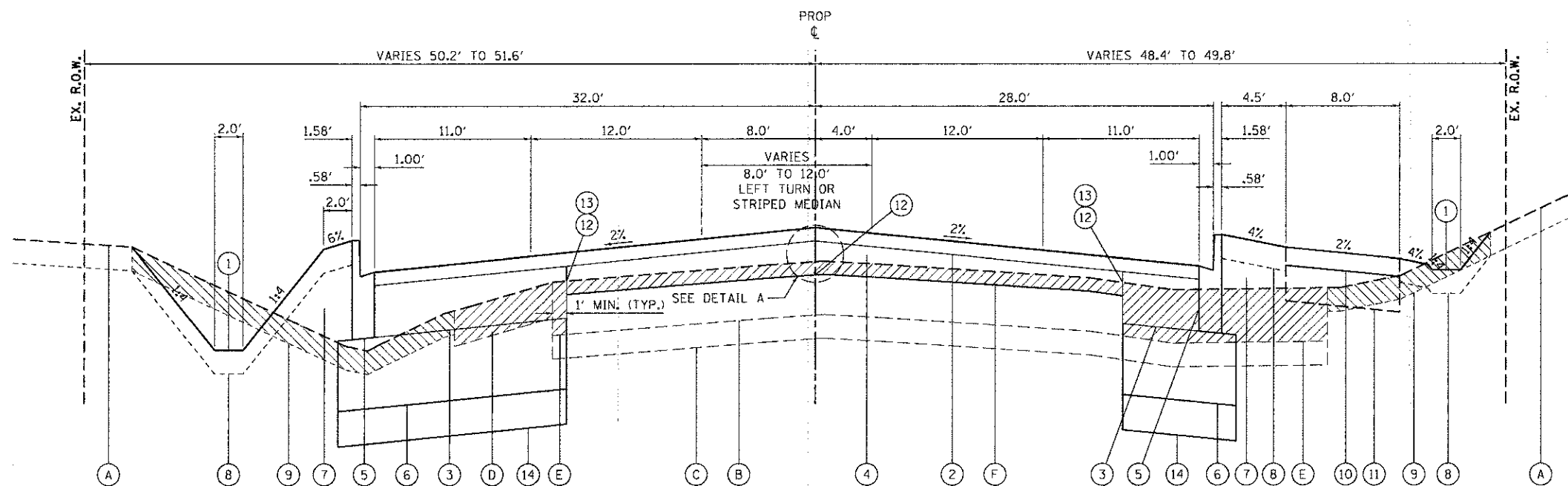
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PLLOT DATE = 12/20/2012	CHECKED - DBP	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS EXISTING	
SCALE:	SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	15
CONTRACT NO. 87544				
[ILLINOIS] FED. AID PROJECT				

TYPICAL SECTIONS



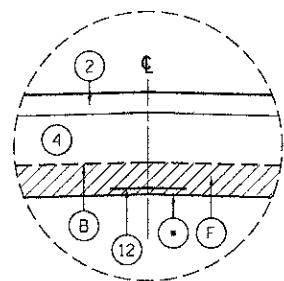
PROPOSED BETHANY ROAD
STA. 10+26.17 TO STA. 16+87.20

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING BIT. CONC. PAVEMENT (8.8"-10.8")
- (C) EXISTING AGGREGATE BASE (UNKNOWN THICKNESS)
- (D) EXISTING AGGREGATE SHOULDER (TO BE REMOVED)
- (E) EXISTING PAVEMENT (TO BE REMOVED)
- (F) EXISTING PAVEMENT (TO BE SURFACE MILLED), VARIES

LEGEND, PROPOSED

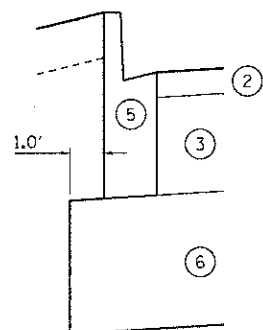
- (1) PROPOSED GRADE
- (2) 2 1/4" HMA SURFACE COURSE, MIX "D", N50
- (3) 8 3/4" HMA BINDER COURSE, IL-19.0, N50
- (4) HMA BINDER COURSE, IL-19.0, N50, VARIABLE DEPTH
- (5) TYPE B6.12 CURB AND GUTTER (11" DEPTH)
- (6) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (7) FURNISHED EXCAVATION
- (8) TOPSOIL PLACEMENT, 4" / SEEDING / EROSION CONTROL BLANKET
- (9) TOPSOIL STRIPPING, 4" (PAID FOR AS EARTH EXCAVATION)
- (10) 3" HMA SURFACE COURSE, MIX "C", N50
- (11) AGGREGATE BASE COURSE, TYPE B, 6"
- (12) STRIP REFLECTIVE CRACK CONTROL TREATMENT (SYSTEM A)
- (13) FULL DEPTH SAW CUT (INCLUDED IN COST OF REMOVAL ITEM)
- (14) AGGREGATE SUBGRADE IMPROVEMENT (CU YD)



DETAIL A

• BOTTOM OF MILLING

STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE SYSTEM A PER SEC. 443 OF THE STANDARD SPECIFICATIONS. THE STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE PLACED ON THE EXISTING CENTERLINE AND LONGITUDINAL PAVING JOINTS AND EDGE JOINTS OF THE HMA WIDENING.



**BASE STAGGER DETAIL
ADJACENT TO CURB & GUTTER**

(F) EXISTING PAVEMENT SURFACE TO BE MILLED

SEE PLAN AND PROFILE FOR LIMITS OF PAVEMENT SURFACE MILLING.

SOILS REPORT PAVEMENT CORE RESULTS

STA. 12+96 BITUMINOUS CONCRETE THICKNESS = 8.8 INCHES.
STA. 22+03 BITUMINOUS CONCRETE THICKNESS = 10.8 INCHES.

SOILS REPORT RECOMMENDATIONS

STA. 13+00 TO STA. 16+87.2: UNDERCUT 6" AND REPLACE WITH AGG. SUBGRADE
STA. 18+79.9 TO STA. 20+56: UNDERCUT 18" AND REPLACE WITH AGG. SUBGRADE
STA. 20+56 TO STA. 23+50: NO SPECIAL TREATMENT SUGGESTED.
STA. 23+50 TO STA. 26+50: UNDERCUT 6" AND REPLACE WITH AGG. SUBGRADE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE USE(S)	HMA SURFACE	HMA BINDER	HMA BASE COURSE (DRIVEWAYS)	HMA SURFACE FOR DRIVEWAYS	HMA SURFACE FOR MULTI-USE PATH	TEMPORARY RAMP	CLASS D PATCHES
PG GRADE	PG 64-22	PG 64-22	PG 58-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0 @ N50	4.0 @ N50	4.0 @ N50	4.0 @ N50	4.0 @ N50	4.0 @ N50	4.0 @ N50
MIXTURE COMPOSITION:	IL 9.5 OR 12.5	IL 19.0	IL 19.0	IL 12.5	IL 12.5 OR 19.0	IL 19.0	IL 19.0
FRICTION AGGREGATE	MIXTURE D	N/A	N/A	MIXTURE C	MIXTURE C	MIXTURE D	MIXTURE D

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

• IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC: Year 2017 (FROM STAGES 1 AND 2)
PV = 16,320 SU = 340 MU = 340
ROAD/STREET CLASSIFICATION: II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 96 S = 2 M = 2
TRAFFIC FACTOR: Actual TF = 1.9 AC Type = HMA
Minimum TF = NA
PG GRADE: Surface = PG 64-22 Binder = PG 64-22
SUBGRADE SUPPORT RATING:
SSR = POOR

FILE NAME: M:\P\o\p\2012\128155 BethanyRd\CAD\CAD\128155\128155.dgn

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116 West Main Street, Suite 201
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PLOT DATE = 12/20/2012	CHECKED - DBP	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
PROPOSED**

SCALE:	SHEET NO. 2 OF 3 SHEETS	STA. TO STA.	F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 16
						CONTRACT NO. 87544	
ILLINOIS FED. AID PROJECT							

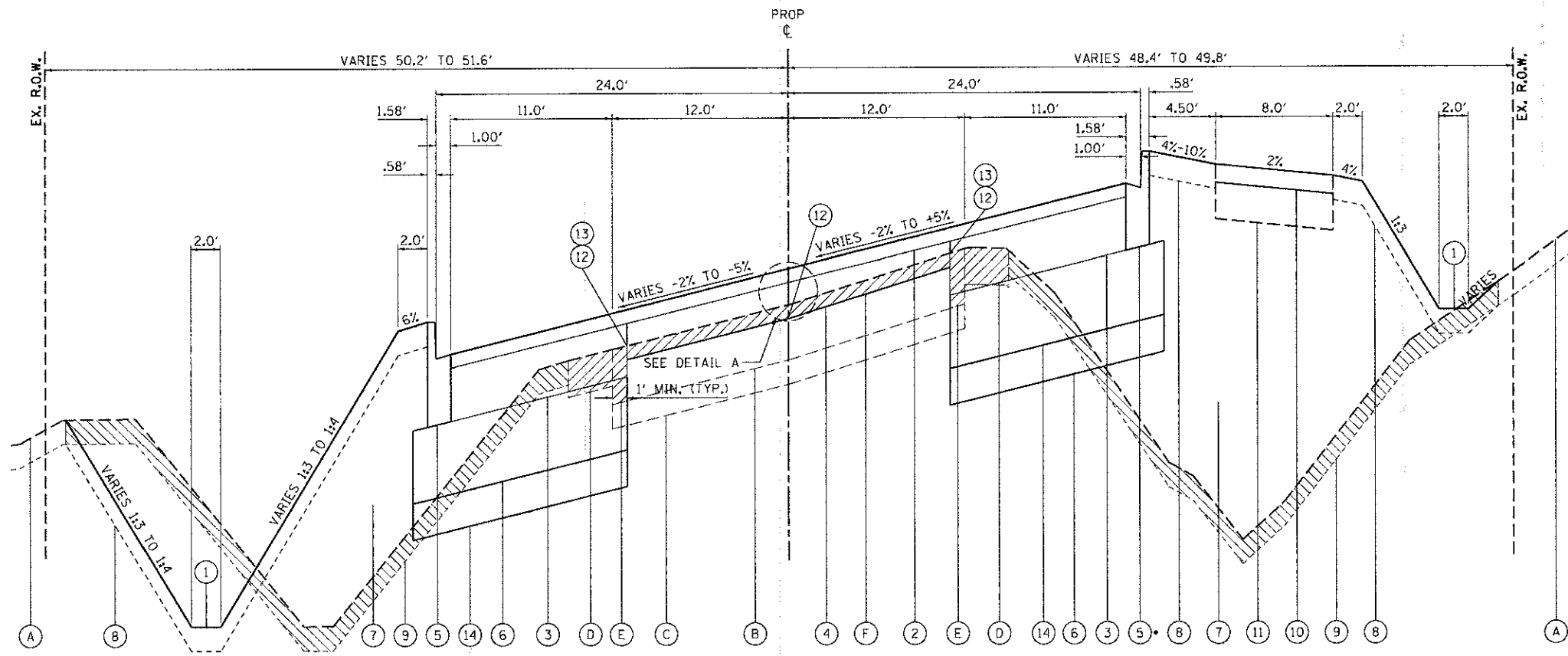
TYPICAL SECTIONS

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING BIT. CONC. PAVEMENT (8.8"-10.8")
- (C) EXISTING AGGREGATE BASE (UNKNOWN THICKNESS)
- (D) EXISTING AGGREGATE SHOULDER (TO BE REMOVED)
- (E) EXISTING PAVEMENT (TO BE REMOVED)
- (F) EXISTING PAVEMENT (TO BE SURFACE MILLED), VARIES

LEGEND, PROPOSED

- (1) PROPOSED GRADE
- (2) 2 1/4" HMA SURFACE COURSE, MIX "D", N50
- (3) 8 3/4" HMA BINDER COURSE, IL-19.0, N50
- (4) HMA BINDER COURSE, IL-19.0, N50, VARIABLE DEPTH
- (5) TYPE B6.12 CURB AND GUTTER (11" DEPTH)
- (6) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (7) FURNISHED EXCAVATION
- (8) TOPSOIL PLACEMENT, 4" / SEEDING / MULCH
- (9) TOPSOIL STRIPPING, 4" (PAID FOR AS EARTH EXCAVATION)
- (10) 3" HMA SURFACE COURSE, MIX "C", N50
- (11) AGGREGATE BASE COURSE, TYPE B, 6"
- (12) STRIP REFLECTIVE CRACK CONTROL TREATMENT (SYSTEM A)
- (13) FULL DEPTH SAW CUT (INCLUDED IN COST OF REMOVAL ITEM)
- (14) AGGREGATE SUBGRADE IMPROVEMENT (CU YD)



PROPOSED BETHANY ROAD

STA. 18+79.90 TO 27+00.00

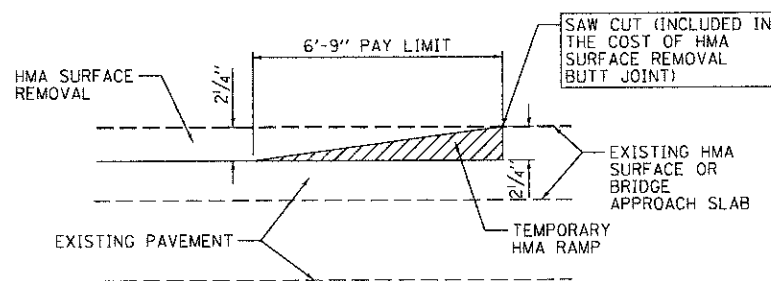
• CURB WILL NOT BE REVERSED PITCHED THROUGH SUPERELEVATION SECTIONS.

(F) EXISTING PAVEMENT SURFACE TO BE MILLED

SEE PLAN AND PROFILE FOR LIMITS OF PAVEMENT SURFACE MILLING.
(VARIABLE DEPTH STA. 23+50 TO STA. 25+50)

SUPERELEVATION

LEFT SIDE FROM STA. 19+92 @ -2.0% TO STA. 20+88 @ -5.0%
RIGHT SIDE FROM STA. 18+80 @ -1.5% TO STA. 20+88 @ +5.0%
(MATCH EXISTING STA. 18+80 TO STA. 20+17)
LEFT SIDE FROM STA. 25+91 @ -5.0% TO STA. 26+87 @ -2.0%
RIGHT SIDE FROM STA. 25+91 @ +5.5% TO STA. 28+15 @ -2.0%
(MATCH EXISTING STA. 26+87 TO STA. 27+00)

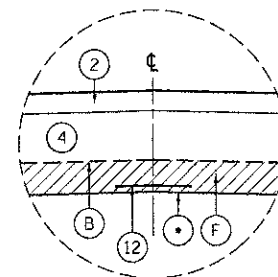


TYPICAL TEMPORARY RAMP

HMA CONSTRUCTED TEMPORARY RAMP

NOTES:

1. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
2. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" PER 1 INCH OF MILLING THICKNESS.



DETAIL A

• BOTTOM OF MILLING

STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE SYSTEM A PER SEC. 443 OF THE STANDARD SPECIFICATIONS. THE STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE PLACED ON THE EXISTING CENTERLINE AND LONGITUDINAL PAVING JOINTS AND EDGE JOINTS OF THE HMA WIDENING.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
PROPOSED

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

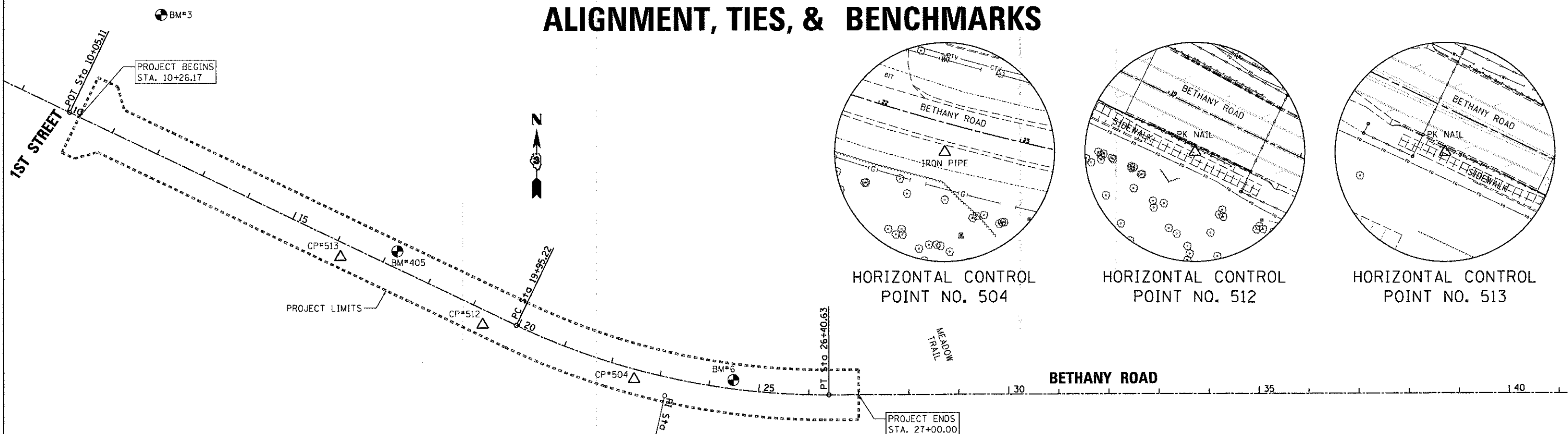
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	17
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

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

USER NAME = npratt	DESIGNED - KMA	REVISED -
PLOT SCALE = 1/8"	DRAWN - NDP	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DBP	REVISED -
	DATE - 12/21/12	REVISED -

ALIGNMENT, TIES, & BENCHMARKS



LEGEND

- = BENCH MARK LOCATION
- = HORIZONTAL CONTROL POINT LOCATION

Curve Data

Curve BRPR-2
 P.I. Station 23+23.50 N 1,930,479.10 E 875,018.19
 Delta = 25° 48' 58" (LT)
 Degree = 4° 00' 00"
 Tangent = 328.28'
 Length = 645.41'
 Radius = 1432.40'
 External = 37.14'
 Long Chord = 639.88'
 Mid. Ord. = 36.39'
 P.C. Station 19+95.22 N 1,930,621.18 E 874,722.25
 P.T. Station 26+40.63 N 1,930,480.08 E 875,346.47
 C.C. N 1,931,912.48 E 875,342.19

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
504	1930512.507	874957.604		BRPR	22+52.33	19.433' RT	IRON PIPE WITH CAP
512	1930622.556	874654.918		BRPR	19+33.92	27.900' RT	PK NAIL
513	1930759.179	874370.902		BRPR	16+18.75	27.665' RT	PK NAIL

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1931132.221	873798.018	841.610	BRPR	9+40.85	60.700' LT	PK NAIL IN PATH
7	1930651.934	874607.578	837.809	BRPR	18+78.53	21.904' RT	SURVEY POINT, HUB
11	1930549.928	874839.563	839.985	BRPR	21+30.14	19.898' RT	SURVEY POINT, HUB
13	1930508.161	875297.651	840.941	BRPR	25+90.94	27.378' LT	SURVEY POINT, HUB
15	1930451.320	875578.616	842.702	BRPR	28+72.69	29.457' RT	PK NAIL NORTH OF ISLAND

CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
BRPR	BRPR-2	210	211	212	213

BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
3	1931244.621	874012.450	841.927	BRPR	10+85.52	254.833' LT	IRON PIPE WITH CAP
6	1930510.202	875155.480	840.672	BRPR	24+46.75	17.750' LT	IRON PIPE WITH CAP
405	1930770.301	874484.712	838.660	BRPR	17+16.54	31.628' LT	CHISLED "□" ON NORTHWEST ABUTMENT

REFERENCE TIES

POINT	CHAIN	STATION	OFFSET	DESCRIPTION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	18
CONTRACT NO. 87544				

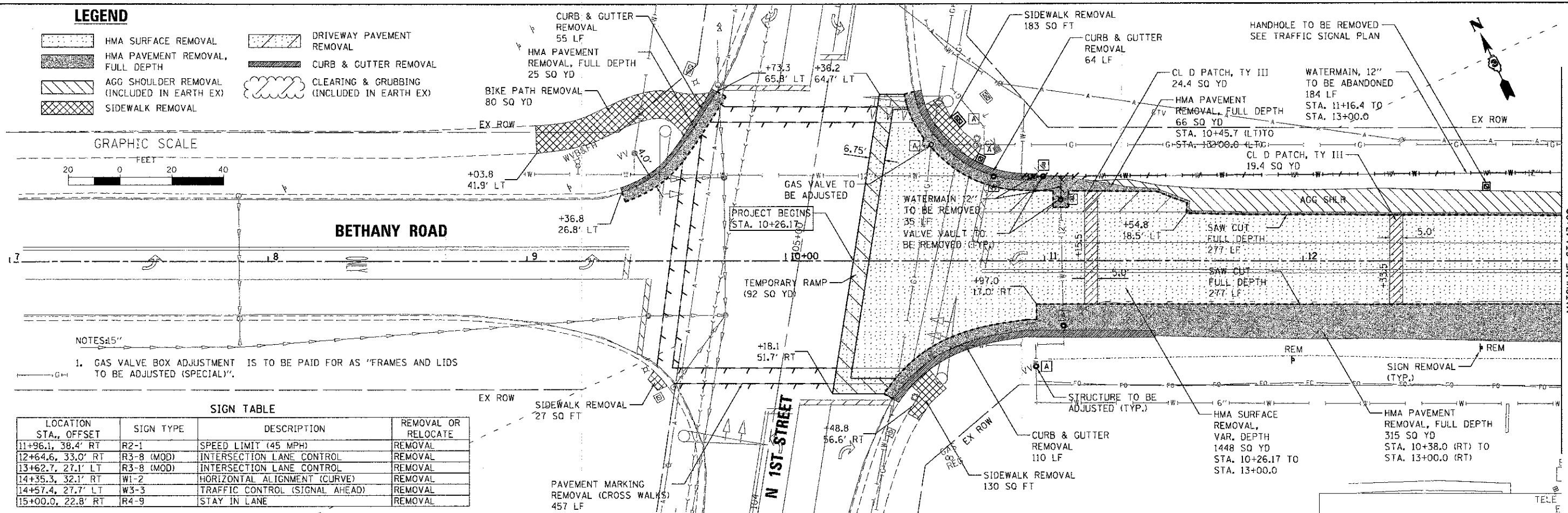
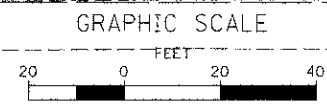
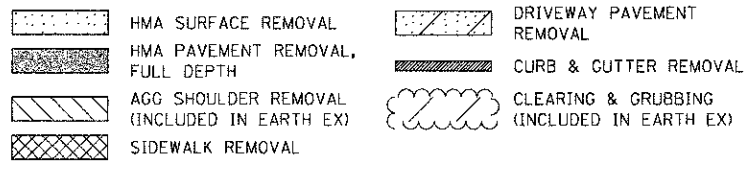
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116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED -	REVISED -
PLT SCALE = 1:1000	DRAWN - NDP	REVISED -
PLT DATE = 12/28/2012	CHECKED - DPB	REVISED -
	DATE = 12/21/12	REVISED -

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

FILE NAME = M:\P\Projects\2812\120155_BethanyRd\3\CADD\Civil\Drawings\ATB-1.dgn

LEGEND



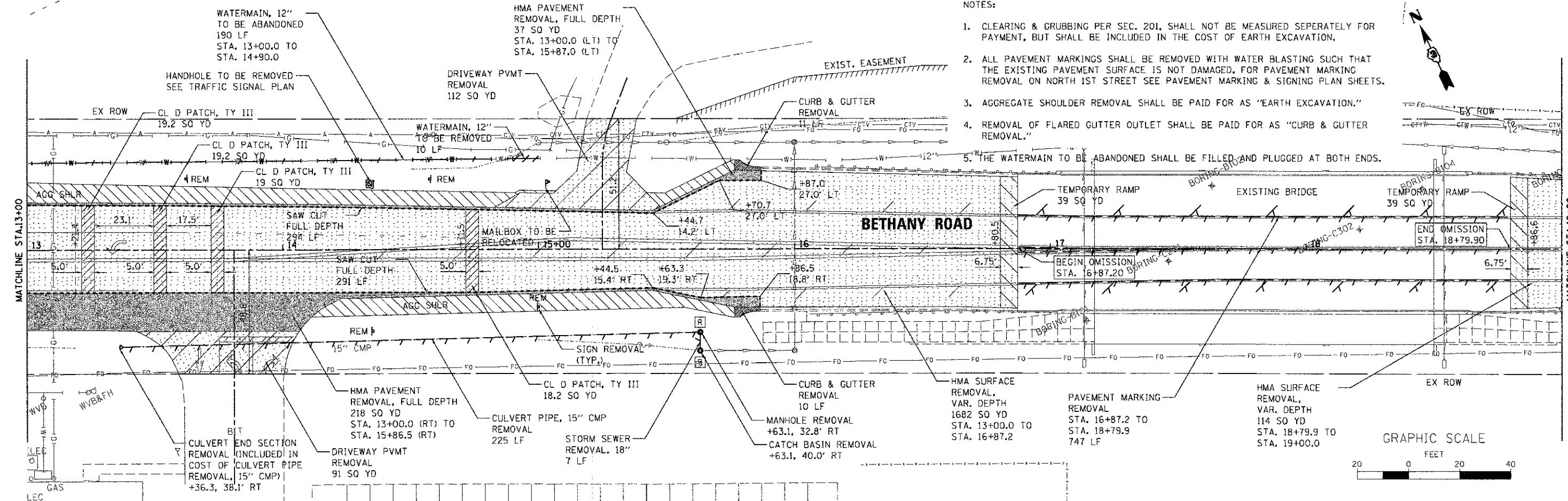
NOTES:
1. GAS VALVE BOX ADJUSTMENT IS TO BE PAID FOR AS "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)".

SIGN TABLE

LOCATION STA., OFFSET	SIGN TYPE	DESCRIPTION	REMOVAL OR RELOCATE
11+96.1, 38.4' RT	R2-1	SPEED LIMIT (45 MPH)	REMOVAL
12+64.6, 33.0' RT	R3-8 (MOD)	INTERSECTION LANE CONTROL	REMOVAL
13+62.7, 27.1' LT	R3-8 (MOD)	INTERSECTION LANE CONTROL	REMOVAL
14+35.3, 32.1' RT	W1-2	HORIZONTAL ALIGNMENT (CURVE)	REMOVAL
14+57.4, 27.7' LT	W3-3	TRAFFIC CONTROL (SIGNAL AHEAD)	REMOVAL
15+00.0, 22.8' RT	R4-9	STAY IN LANE	REMOVAL

NOTES:

- CLEARING & GRUBBING PER SEC. 201, SHALL NOT BE MEASURED SEPERATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- ALL PAVEMENT MARKINGS SHALL BE REMOVED WITH WATER BLASTING SUCH THAT THE EXISTING PAVEMENT SURFACE IS NOT DAMAGED. FOR PAVEMENT MARKING REMOVAL ON NORTH 1ST STREET SEE PAVEMENT MARKING & SIGNING PLAN SHEETS.
- AGGREGATE SHOULDER REMOVAL SHALL BE PAID FOR AS "EARTH EXCAVATION."
- REMOVAL OF FLARED GUTTER OUTLET SHALL BE PAID FOR AS "CURB & GUTTER REMOVAL."
- THE WATERMAIN TO BE ABANDONED SHALL BE FILLED AND PLUGGED AT BOTH ENDS.



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

USER NAME = npparr15	DESIGNED - KMA	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

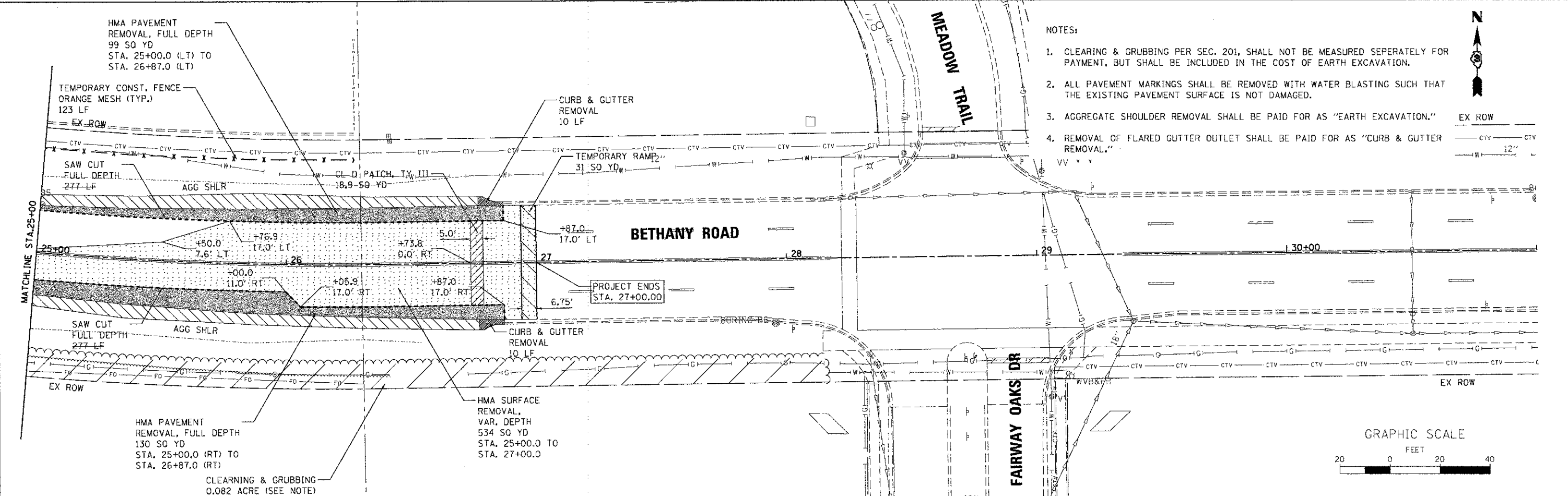
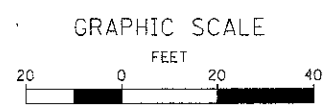
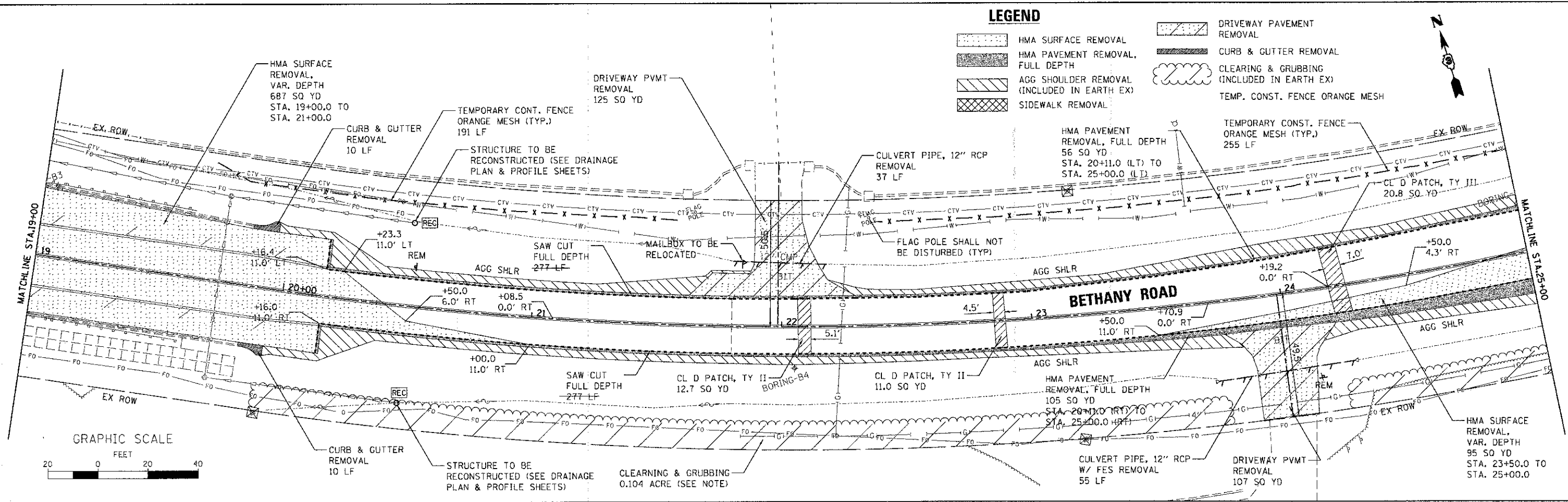
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING CONDITIONS AND REMOVAL PLAN
SCALE: 1"=20'
SHEET NO. 1 OF 2 SHEETS
STA. 10+26.17 TO STA. 19+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	19
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

LEGEND

- HMA SURFACE REMOVAL
- HMA PAVEMENT REMOVAL, FULL DEPTH
- AGG SHOULDER REMOVAL (INCLUDED IN EARTH EX)
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- CURB & GUTTER REMOVAL
- CLEARING & GRUBBING (INCLUDED IN EARTH EX)
- TEMP. CONST. FENCE ORANGE MESH



- NOTES:**
- CLEARING & GRUBBING PER SEC. 201, SHALL NOT BE MEASURED SEPERATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
 - ALL PAVEMENT MARKINGS SHALL BE REMOVED WITH WATER BLASTING SUCH THAT THE EXISTING PAVEMENT SURFACE IS NOT DAMAGED.
 - AGGREGATE SHOULDER REMOVAL SHALL BE PAID FOR AS "EARTH EXCAVATION."
 - REMOVAL OF FLARED GUTTER OUTLET SHALL BE PAID FOR AS "CURB & GUTTER REMOVAL."



FILE NAME = MAP\Projects\2012\120855_Bethany\3-CADD\Civil\10gn\Sh\A.REM.02.dgn

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

USER NAME = cpar19	DESIGNED - KMA	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



EXISTING CONDITIONS AND REMOVAL PLAN
SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. 19+00.00 TO STA. 27+00.00

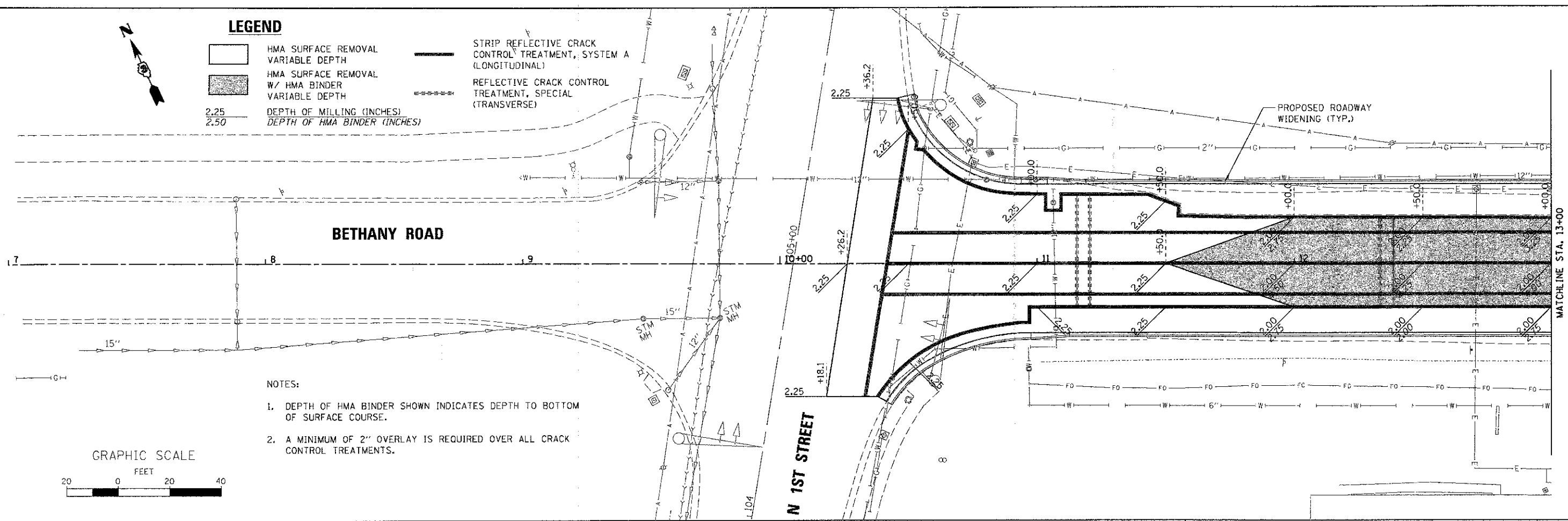
F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 20
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				



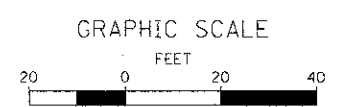
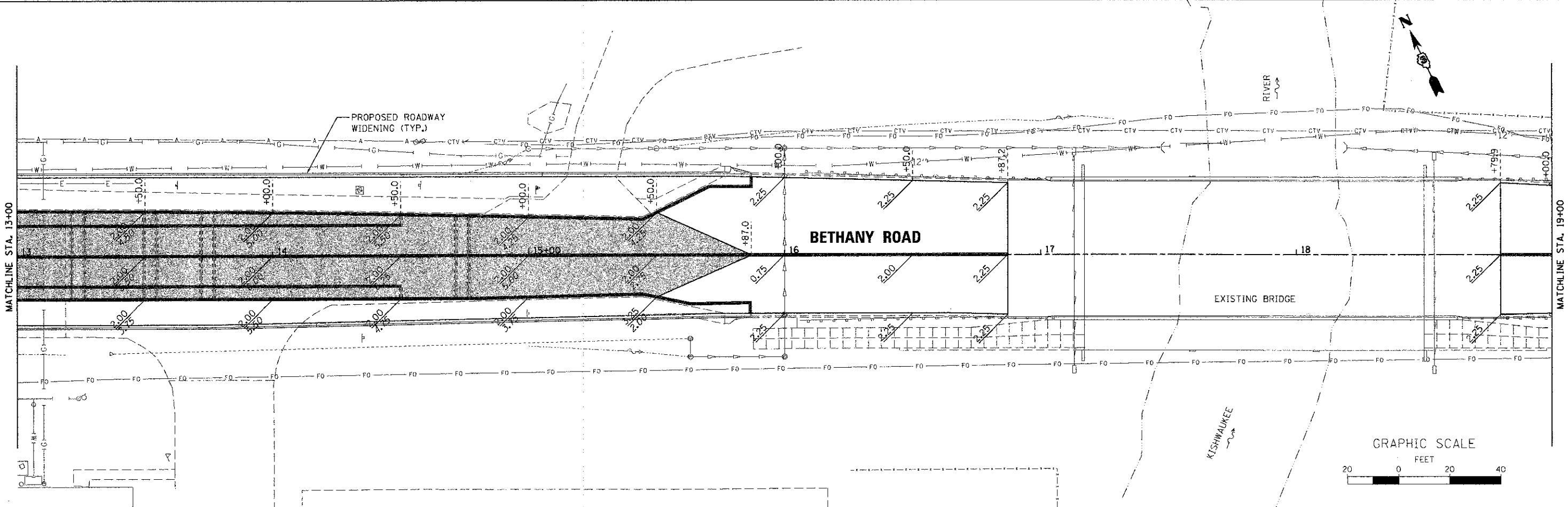
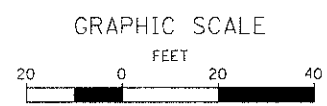
LEGEND

-  HMA SURFACE REMOVAL VARIABLE DEPTH
-  HMA SURFACE REMOVAL W/ HMA BINDER VARIABLE DEPTH
- 2.25 DEPTH OF MILLING (INCHES)
- 2.50 DEPTH OF HMA BINDER (INCHES)

-  STRIP REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A (LONGITUDINAL)
-  REFLECTIVE CRACK CONTROL TREATMENT, SPECIAL (TRANSVERSE)



- NOTES:**
1. DEPTH OF HMA BINDER SHOWN INDICATES DEPTH TO BOTTOM OF SURFACE COURSE.
 2. A MINIMUM OF 2" OVERLAY IS REQUIRED OVER ALL CRACK CONTROL TREATMENTS.



FILE NAME = W:\Projects\2012\121815_BethanyStg3\CADD\G:\w1\ldgr\Shelby.MILL.dwg

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

USER NAME = nparis	DESIGNED - KMA	REVISED -
PL0T SCALE = 1:20	DRAWN - NDP	REVISED -
PL0T DATE = 12/28/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**





MILLING DEPTH & HMA BINDER DEPTH	
SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS
STA. 10+26.17 TO STA. 19+00.00	

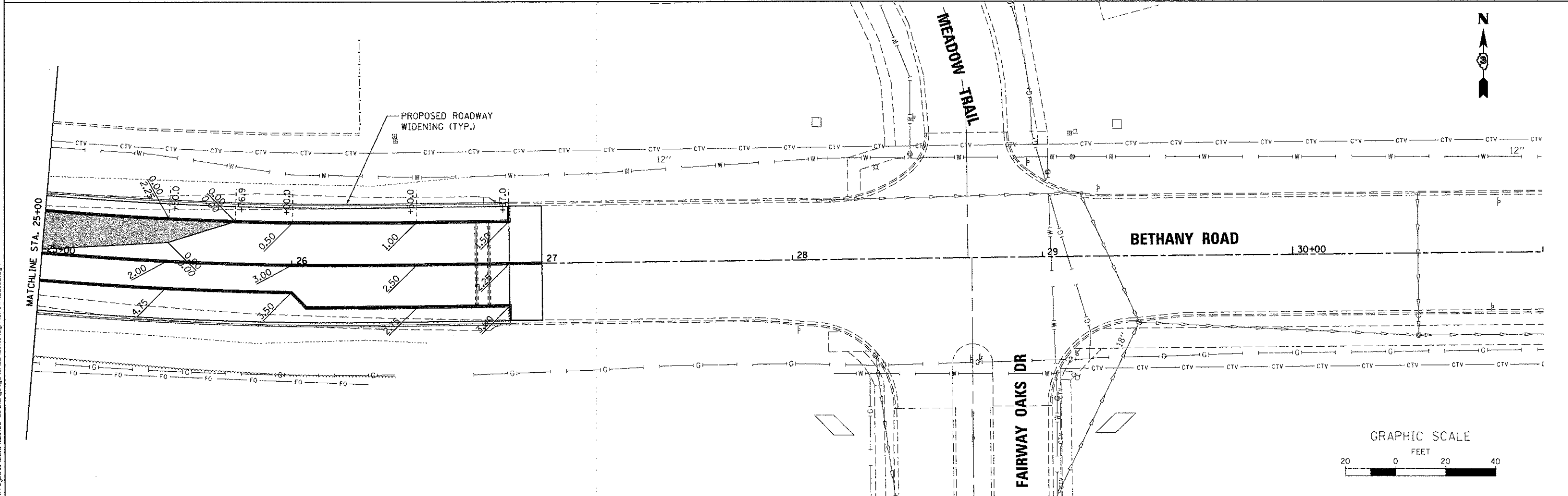
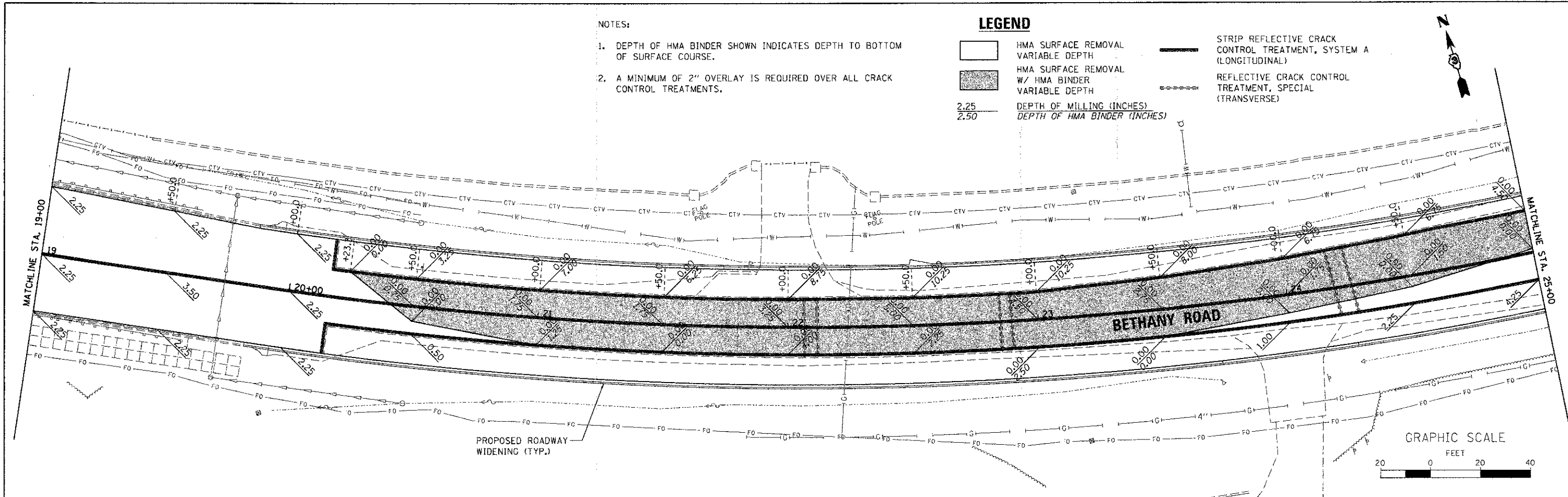
F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 21
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

NOTES:

1. DEPTH OF HMA BINDER SHOWN INDICATES DEPTH TO BOTTOM OF SURFACE COURSE.
2. A MINIMUM OF 2" OVERLAY IS REQUIRED OVER ALL CRACK CONTROL TREATMENTS.

LEGEND

-  HMA SURFACE REMOVAL VARIABLE DEPTH
-  HMA SURFACE REMOVAL W/ HMA BINDER VARIABLE DEPTH
- 2.25 DEPTH OF MILLING (INCHES)
- 2.50 DEPTH OF HMA BINDER (INCHES)
-  STRIP REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A (LONGITUDINAL)
-  REFLECTIVE CRACK CONTROL TREATMENT, SPECIAL (TRANSVERSE)



FILE NAME = W:\Projects\2012\120115 Bethany5g\ADD\Civil\Bgn\Sh\MILL.02.dgn

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

USER NAME = nperrin
 PLOT SCALE = 1:20
 PLOT DATE = 12/20/2012

DESIGNED - KMA
 DRAWN - NDP
 CHECKED - DPB
 DATE - 12/21/12

REVISED -
 REVISED -
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 REVISED -

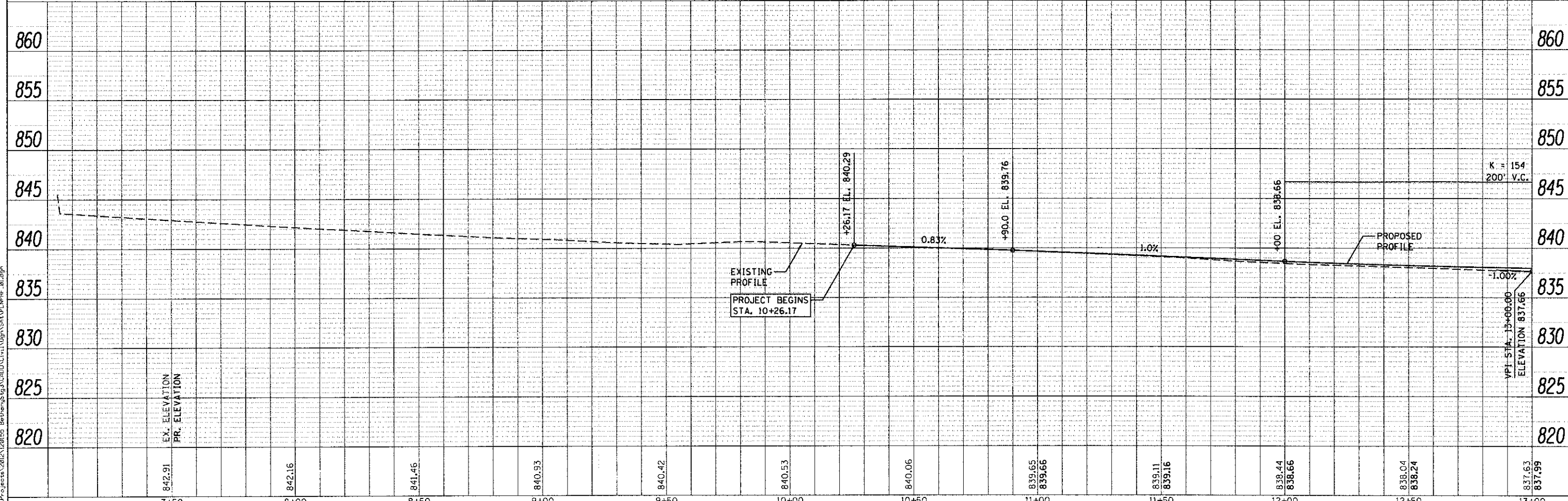
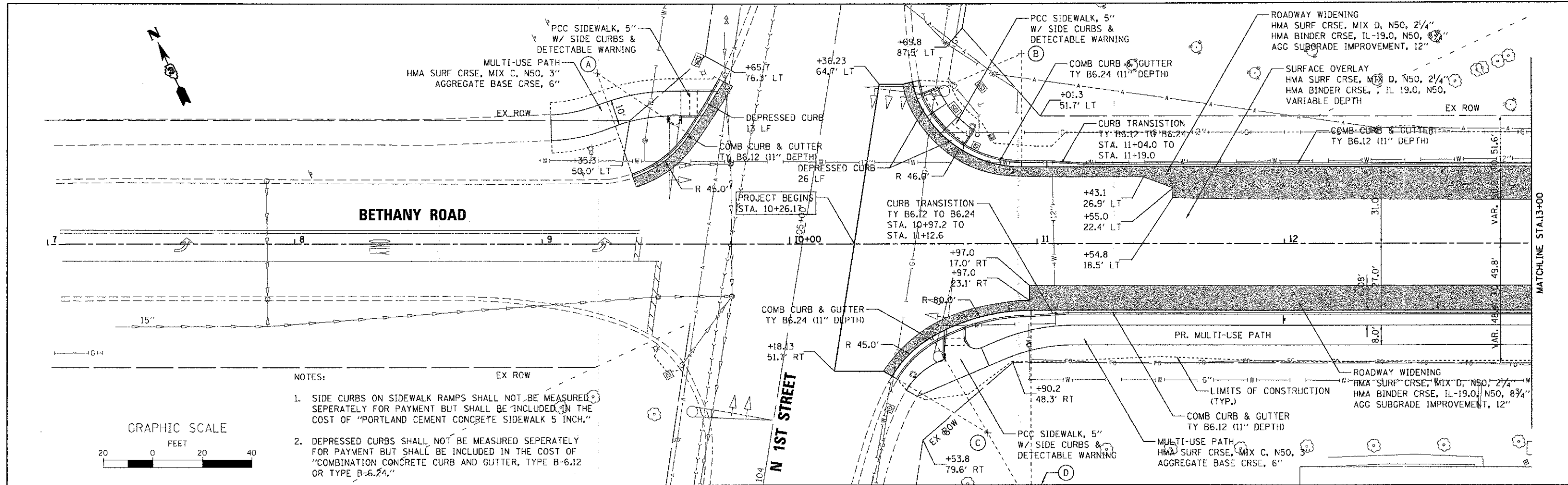
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MILLING DEPTH &
 HMA BINDER DEPTH PLAN**
 SCALE: 1"=20'
 SHEET NO. 2 OF 2 SHEETS
 STA. 19+00.00 TO STA. 27+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	22
CONTRACT NO. B7544				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	



7+50	8+00	8+50	9+00	9+50	10+00	10+50	11+00	11+50	12+00	12+50	13+00
842.91	842.16	841.46	840.93	840.42	840.53	840.06	839.65 839.66	839.11 839.16	838.44 838.66	838.04 838.24	837.63 837.99

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

USER NAME = rnperris	DESIGNED - KMA	REVISED -
PLDT SCALE = 1/2"=20'	DRAWN - NDP	REVISED -
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	DATE - 12/21/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

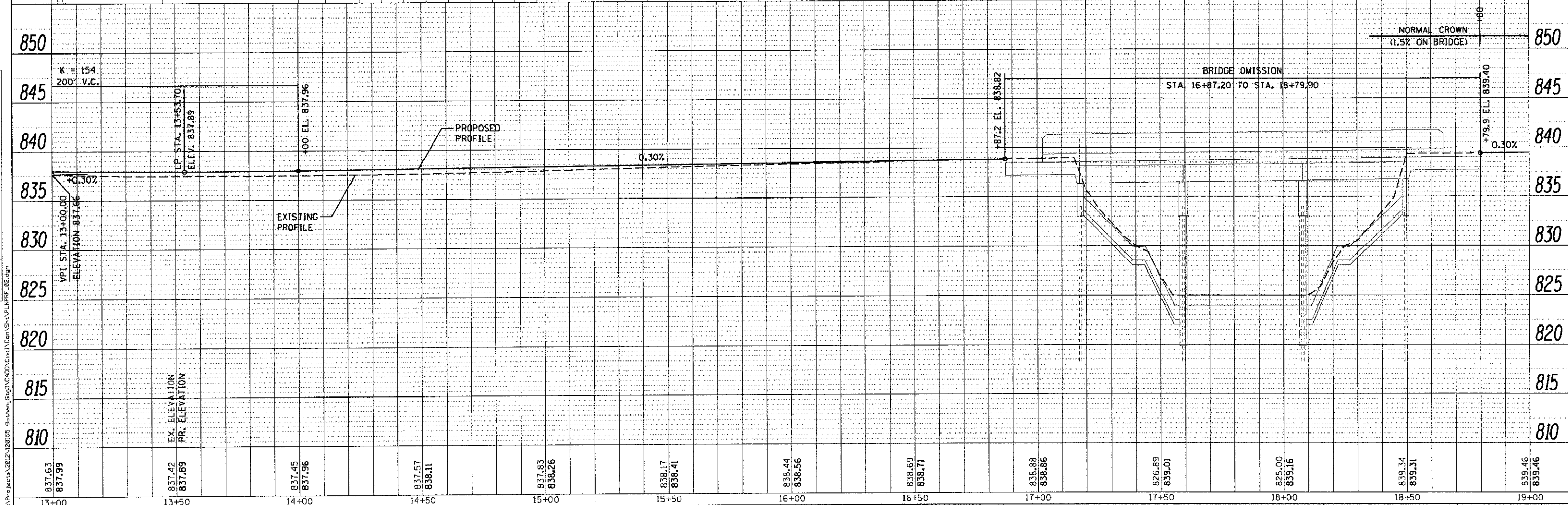
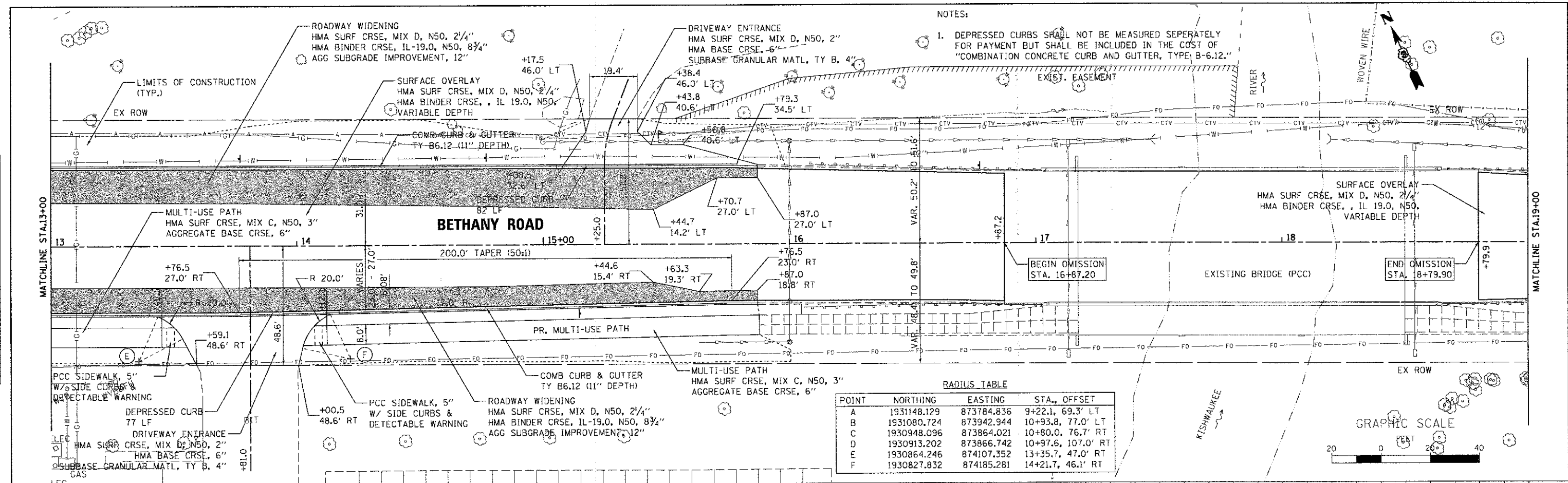
PLAN & PROFILE

SCALE: 1"=20' SHEET NO. 1 OF 4 SHEETS STA. 10+26.17 TO STA. 13+00.00

F.A.U. RTE. 5395	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 23
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISIONS	
PLAN	
NO.	

DATE	
BY	
REVISIONS	
PROFILE	
NO.	



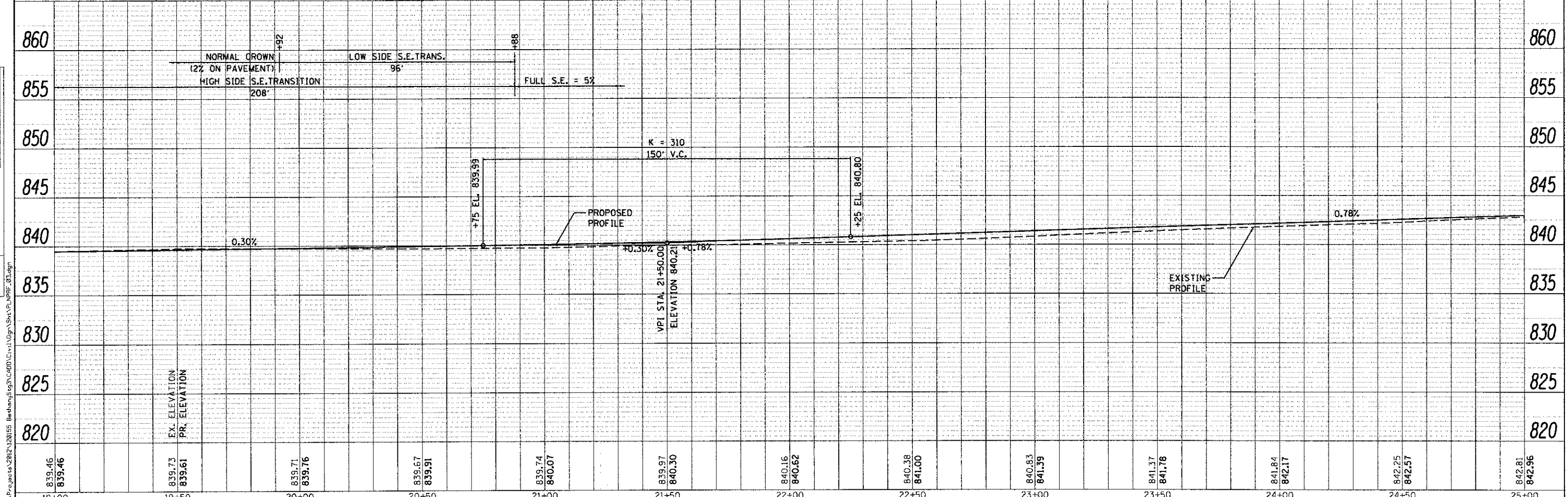
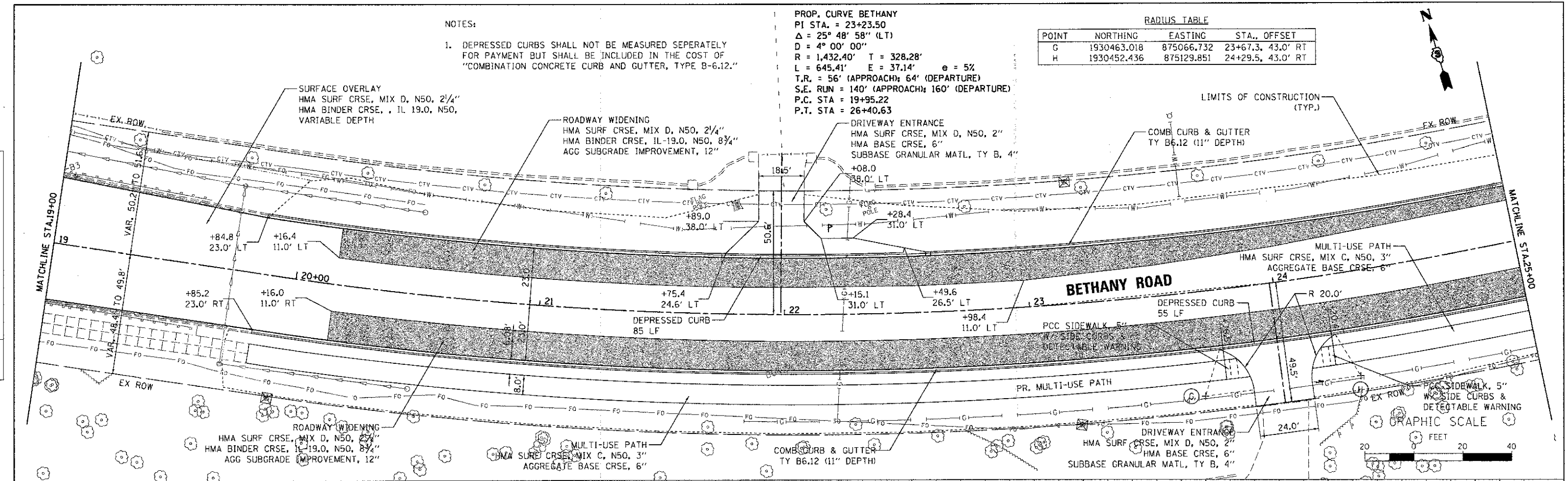
NOTES:
 1. DEPRESSED CURBS SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12."

PROP. CURVE BETHANY
 PI STA. = 23+23.50
 $\Delta = 25^\circ 48' 58''$ (LT)
 $D = 4^\circ 00' 00''$
 $R = 1,432.40'$ $T = 328.28'$ $e = 5\%$
 $L = 645.41'$ $E = 37.14'$
 $T.R. = 56'$ (APPROACH); $64'$ (DEPARTURE)
 $S.E. RUN = 140'$ (APPROACH); $160'$ (DEPARTURE)
 $P.C. STA = 19+95.22$
 $P.T. STA = 26+40.63$

RADIUS TABLE			
POINT	NORTHING	EASTING	STA., OFFSET
G	1930463.018	875066.732	23+67.3, 43.0' RT
H	1930452.436	875129.851	24+29.5, 43.0' RT

DATE	BY	REVISION

DATE	BY	REVISION



STA.	EX. ELEVATION	PR. ELEVATION	DESIGNED	REVISIONS	SCALE	SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	CONTRACT NO.
19+00	839.46	839.46	KMA	-	1"=20'	3 OF 4	10-00167-01-WR	DEKALB	78	NO. 87544
19+50	839.73	839.61	NDP	-						
20+00	839.71	839.76	DPB	-						
20+50	839.67	839.91		-						
21+00	839.74	840.07		-						
21+50	839.97	840.30		-						
22+00	840.16	840.62		-						
22+50	840.38	841.00		-						
23+00	840.63	841.39		-						
23+50	841.37	841.78		-						
24+00	841.84	842.17		-						
24+50	842.25	842.57		-						
25+00	842.81	842.96		-						

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

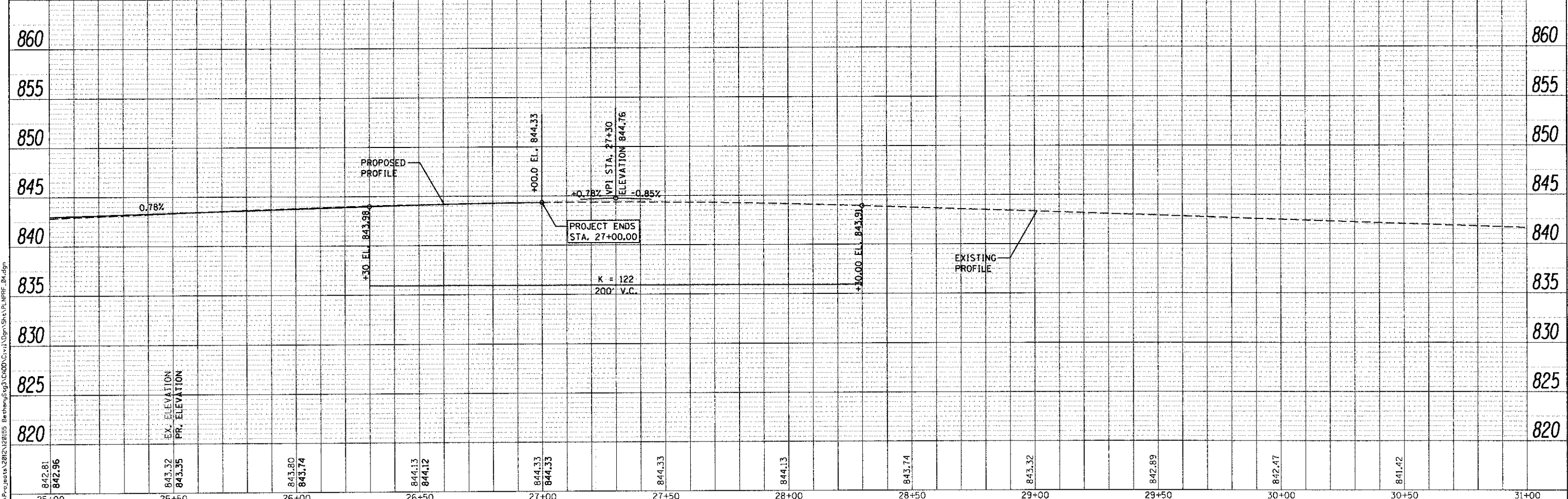
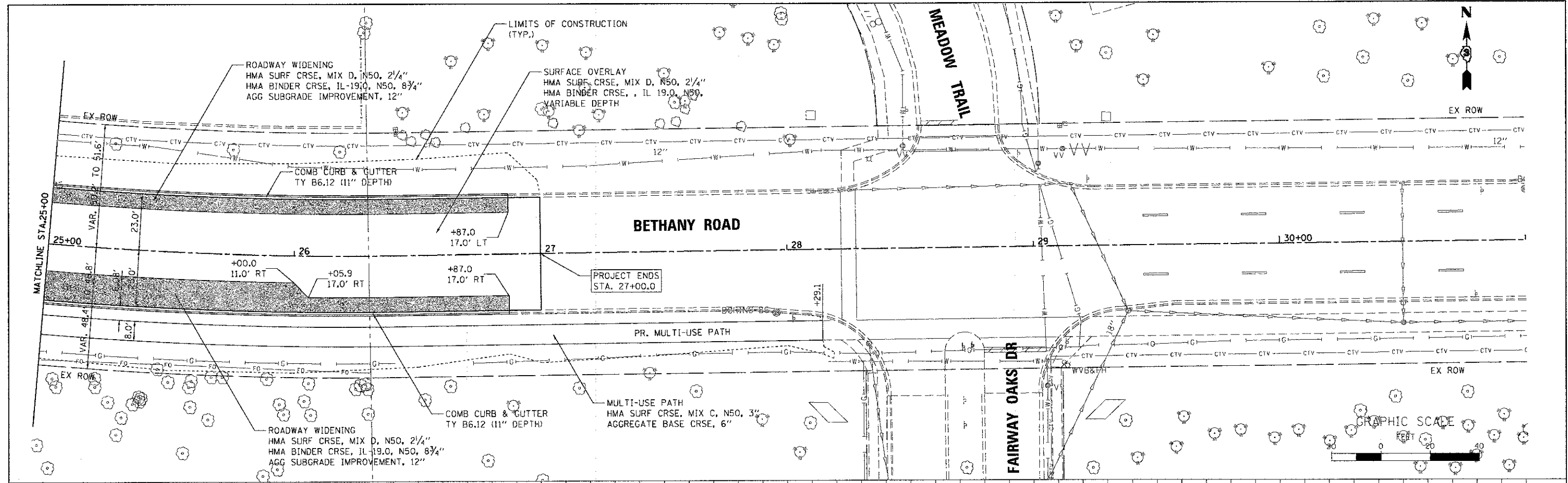
PLAN & PROFILE

F.A.U. RTE. 5355
 SECTION 10-00167-01-WR
 COUNTY DEKALB
 TOTAL SHEETS 78
 SHEET NO. 25
 CONTRACT NO. 87544
 ILLINOIS FED. AID PROJECT

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DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	



842.81	842.96	843.32	843.35	843.80	843.74	844.13	844.12	844.33	844.33	844.33	844.13	844.13	843.74	843.32	842.89	842.47	841.42		
25+00	25+50	26+00	26+50	27+00	27+50	28+00	28+50	29+00	29+50	30+00	30+50	31+00							

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

USER NAME = nperis	DESIGNED - KMA	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
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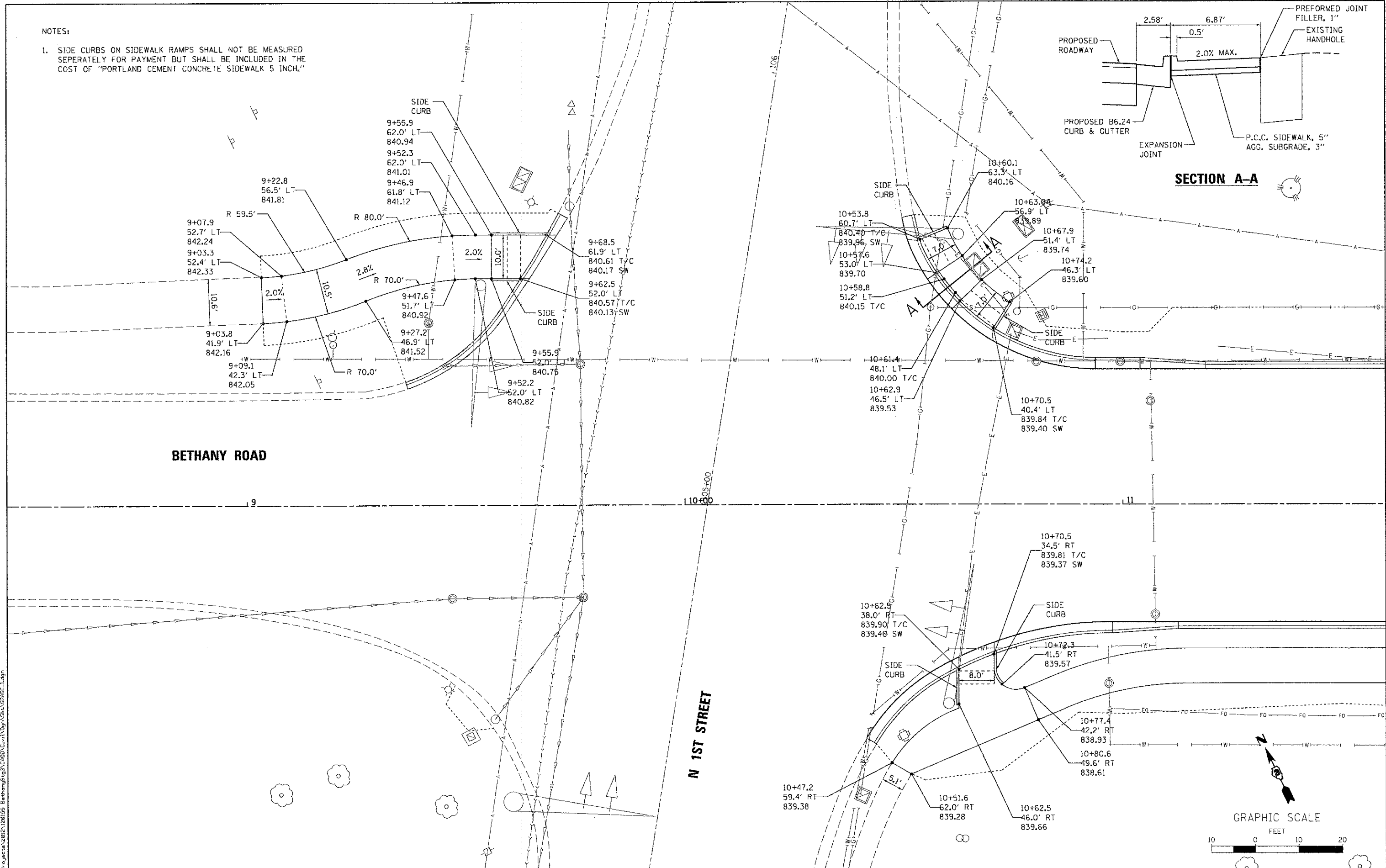
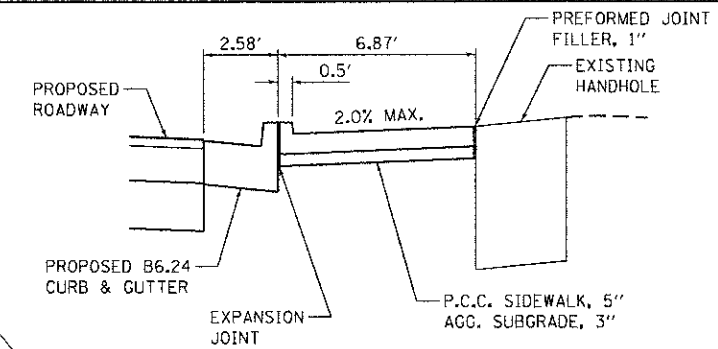
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=20'	SHEET NO. 4 OF 4 SHEETS	STA. 25+00.00 TO STA. 27+00.00
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F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 26
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

NOTES:

1. SIDE CURBS ON SIDEWALK RAMPS SHALL NOT BE MEASURED SEPERATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF "PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH."

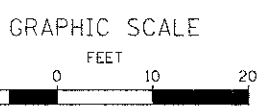


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 PROJECT: 1201212012

BETHANY ROAD

N 1ST STREET

SECTION A-A



WBK WILLS BURKE KELSEY ASSOCIATES LTD. 118 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = npbr119	DESIGNED - KMA	REVISED -
		DRAWN - NDP	REVISED -
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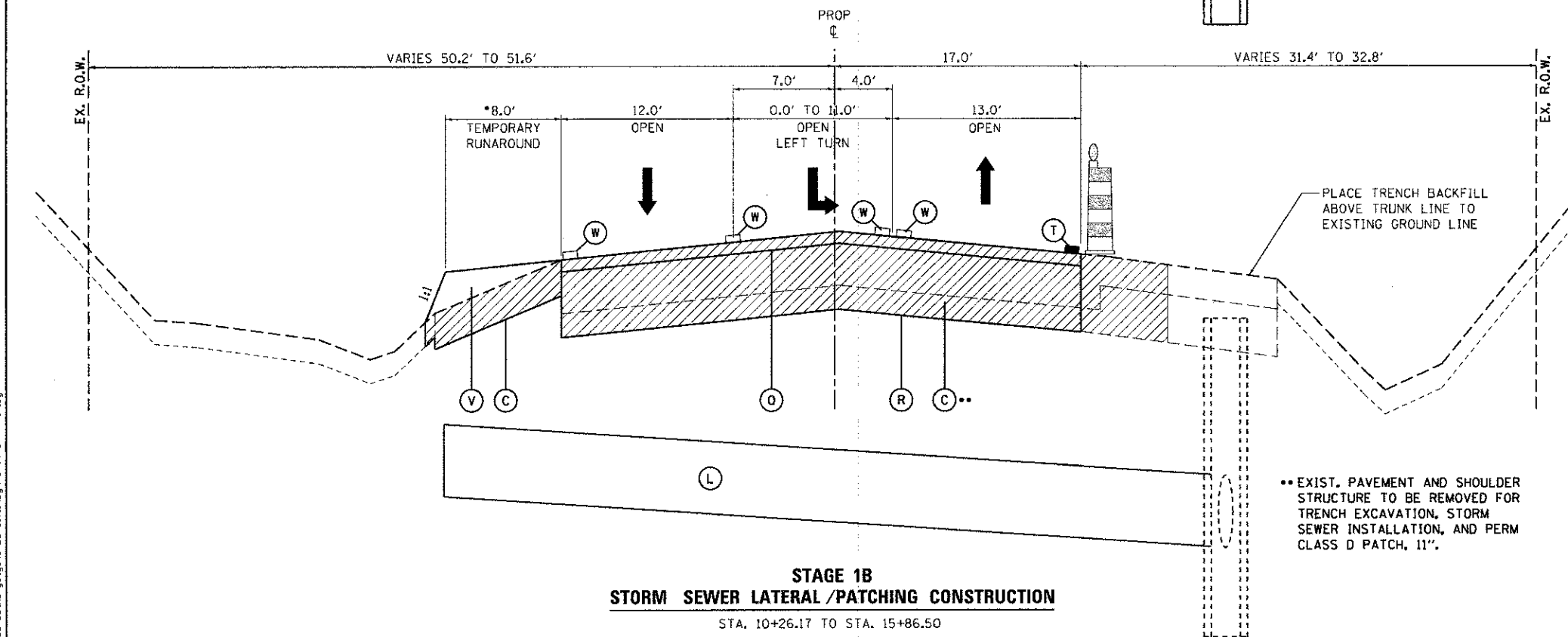
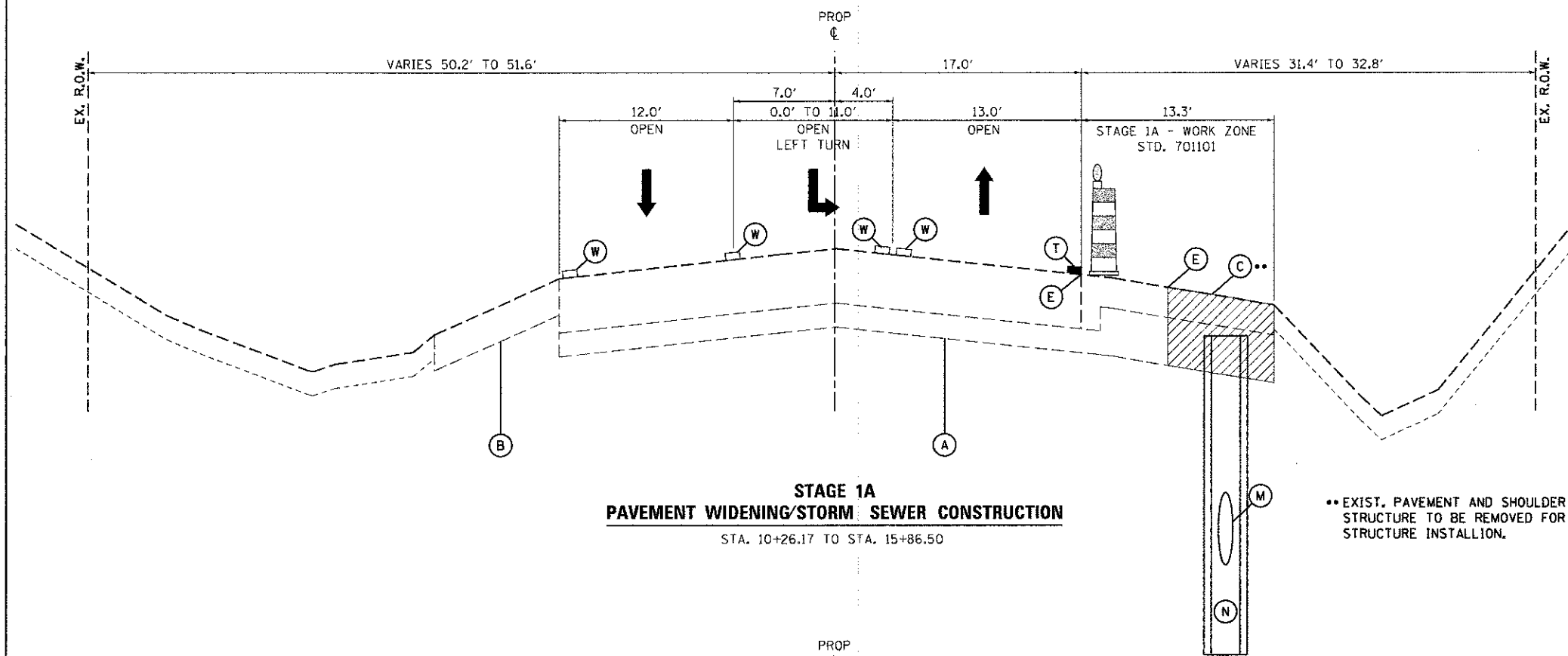
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP
GRADING PLAN

SCALE: 1"=10' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	27
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

STAGING TYPICAL SECTIONS



STAGE 1A

- SAW CUT FOR STAGE 1A AND 1B PAVEMENT WIDENING, STORM SEWER TRENCHES AND PATCH REMOVALS FROM STA. 10+26.17 RT. TO STA. 15+86.50 RT. AND STA. 20+16.16 RT. TO STA. 26+87.47 RT. UTILIZING TRAFFIC CONTROL STANDARD 701201.
- SET UP STAGE 1A BARRELS AND STRIPING FOR STAGE 1A FROM STA. 10+26.17 RT. TO STA. 15+86.5 RT. (SEE STAGE 1A MOT TYPICAL SECTION).
- REMOVE PAVEMENT ONLY AS NEEDED TO CONSTRUCT STORM SEWER TRUNK LINE. PLACE TRENCH BACKFILL TO GROUND LINE, TEMPORARILY PLATE TOP OF DRAINAGE STRUCTURES FROM STA. 10+26.17 RT. TO STA. 15+86.5 RT. STORM SEWER WORK WILL BE COMPLETED UNDER TRAFFIC CONTROL STANDARD 701101.

STAGE 1B

- COMPLETE INSTALLATION OF STORM SEWER LATERALS ACROSS THE ENTIRE WIDTH OF EXISTING PAVEMENT. CONSTRUCT TEMPORARY AGGREGATE SHOULDERS AS NEEDED TO MAINTAIN TRAFFIC FLOW AROUND LATERAL INSTALLATION AND PATCHING.
- BACKFILL TRENCH AND PROVIDE TEMPORARY PAVEMENT PATCH. TRENCH SHALL BE BACKFILLED AND PATCHED AND ALL LANES OPEN TO TRAFFIC BY END OF DAYS WORK OPERATION.
- COMPLETE PERMANENT HMA PATCH ACROSS TRENCH AND CONCURRENTLY COMPLETE JOINT REPAIR PATCHING.
- REPLACE ALL OBLITERATED STRIPING FROM PATCHING WORK.
- ALL STORM SEWER LATERAL AND PATCHING WORK SHALL BE COMPLETE UNDER TRAFFIC CONTROL STANDARD 701201.

LEGEND

- (A) EXIST. PAVEMENT STRUCTURE
- (B) EXIST. SHOULDER STRUCTURE
- (C) EXIST. PAVEMENT AND SHOULDER STRUCTURE - TO BE REMOVED
- (D) EXIST. TOPSOIL - TO BE REMOVED
- (E) SAWCUT - FULL DEPTH
- (F) PROP. HMA BINDER COURSE, DEPTH VARIES
- (G) PROP. HMA BINDER COURSE
- (H) PROP. HMA SURFACE COURSE
- (I) PROP. HMA MULTI-USE PATH/AGGREGATE BASE COURSE
- (J) PROP. AGGREGATE SUBGRADE IMPROVEMENT
- (K) PROP. CONCRETE CURB AND GUTTER
- (L) PROP. STORM SEWER LATERAL
- (M) PROP. STORM SEWER TRUNK LINE
- (N) PROP. STORM SEWER STRUCTURE
- (O) PROP. STRUCTURAL EMBANKMENT
- (P) HMA SURFACE REMOVAL (MILLING)
- (Q) TEMPORARY PAVEMENT PATCH, 2" W/ AGGREGATE BASE COURSE, 9"
- (R) PERMANENT CLASS D PATCH, 11"
- (S) AGGREGATE WEDGE SHOULDER, TYPE B
- (T) TEMPORARY PAVEMENT MARKING LINE
- (U) SHORT-TERM PAVEMENT MARKINGS
- (V) AGGREGATE SHOULDER (SPECIAL)
- (W) EXISTING STRIPING TO REMIAN

PAVEMENT MARKING NOTE:

ONLY TEMPORARY PAVEMENT MARKING TAPE WILL BE USED ON EXISTING PAVEMENT PAST THE PROPOSED PAVING LIMITS AND FINAL SURFACE COURSES.

- CONTRACTOR SHALL CONSTRUCT A TEMPORARY RUNAROUND TO MAINTAIN TRAFFIC FLOW WHEN CONSTRUCTING THE STORM SEWER LATERALS AND JOINT REPAIRS. IF APPROVED BY THE ENGINEER, THE SURPLUS AGGREGATE MAY BE LATER USED AS AGGREGATE SUBGRADE IN THE WIDENING AREA. THE TEMPORARY RUNAROUND SHALL BE PAID FOR AS "AGGREGATE SHOULDER (SPECIAL)."

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS - STAGE 1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	28
				CONTRACT NO. 87544
ILLINOIS FED. AID PROJECT				

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

FILE NAME = \\P:\projects\2012\120155_Bertho\3\3\0000\Civil\Aggr\Sh1\W01-TYP1A.dgn

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

USER NAME = nperkins	DESIGNED - SPB	REVISED -
	DRAWN - NDP	REVISED -
PLOT SCALE = 1:5	CHECKED - DBP	REVISED -
PLOT DATE = 12/28/2012	DATE = 12/21/12	REVISED -

STAGING TYPICAL SECTIONS

STAGE 1B

- COMPLETE INSTALLATION OF STORM SEWER LATERALS ACROSS THE ENTIRE WIDTH OF EXISTING PAVEMENT FROM STA. 10+26.17 TO STA. 15+86.50 AND STA. 20+16.16 TO STA. 27+00.00.
- BACKFILL TRENCH AND PROVIDE TEMPORARY PAVEMENT PATCH. TRENCH SHALL BE BACKFILLED AND PATCHED AND ALL LANES OPEN TO TRAFFIC BY END OF DAYS WORK OPERATION.
- COMPLETE PERMANENT HMA PATCH ACROSS TRENCH AND CONCURRENTLY COMPLETE JOINT REPAIR PATCHING.
- REPLACE ALL OBLITERATED STRIPING FROM PATCHING WORK.
- ALL STORM SEWER LATERAL AND PATCHING WORK SHALL BE COMPLETE UNDER TRAFFIC CONTROL STANDARD 701201.

STAGE 1C

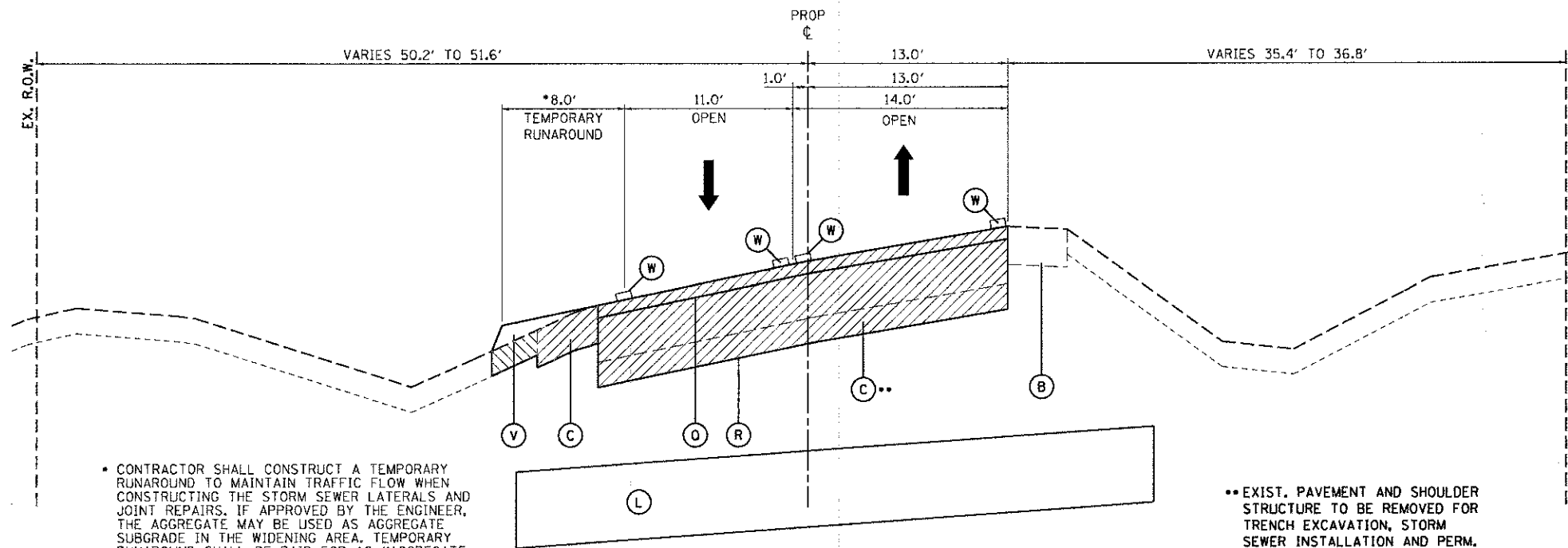
- COMPLETE LEVELING BINDER TO ESTABLISH DESIGN PAVEMENT CROSS SLOPE FROM STA. 20+16.16 LT./RT. TO STA. 26+87.47 LT./RT. UTILIZING TRAFFIC CONTROL STANDARD 701306.
- SET UP STAGE 1D LANE SHIFT AND TRAFFIC CONTROL PLAN FROM STA. 15+86.50 RT. TO STA. 27+00.0 RT. (SEE STAGE 1 MOT PLAN).
- REMOVE PAVEMENT IN WIDENING, CONSTRUCT DRAINAGE STRUCTURES AND EMANKMENT/AGGREGATE SUBGRADE FOR PAVEMENT WIDENING FROM STA. 15+86.5 RT. TO STA. 26+87.47 RT., WIDENING WORK TO BE COMPLETED UNDER TRAFFIC CONTROL STANDARD 701326.

LEGEND

- (A) EXIST. PAVEMENT STRUCTURE
- (B) EXIST. SHOULDER STRUCTURE
- (C) EXIST. PAVEMENT AND SHOULDER STRUCTURE - TO BE REMOVED
- (D) EXIST. TOPSOIL - TO BE REMOVED
- (E) SAWCUT - FULL DEPTH
- (F) PROP. HMA BINDER COURSE, DEPTH VARIES
- (G) PROP. HMA BINDER COURSE
- (H) PROP. HMA SURFACE COURSE
- (I) PROP. HMA MULTI-USE PATH/AGGREGATE BASE COURSE
- (J) PROP. AGGREGATE SUBGRADE IMPROVEMENT
- (K) PROP. CONCRETE CURB AND GUTTER
- (L) PROP. STORM SEWER LATERAL
- (M) PROP. STORM SEWER TRUNK LINE
- (N) PROP. STORM SEWER STRUCTURE
- (O) PROP. STRUCTURAL EMBANKMENT
- (P) HMA SURFACE REMOVAL (MILLING)
- (Q) TEMPORARY PAVEMENT PATCH, 2" W/ AGGREGATE BASE COURSE, 9"
- (R) PERMANENT CLASS D PATCH, 11"
- (S) AGGREGATE WEDGE SHOULDER, TYPE B
- (T) TEMPORARY PAVEMENT MARKING LINE
- (U) SHORT-TERM PAVEMENT MARKINGS
- (V) AGGREGATE SHOULDER (SPECIAL)
- (W) EXISTING STRIPING TO REMIAN

PAVEMENT MARKING NOTE:

ONLY TEMPORARY PAVEMENT MARKING TAPE WILL BE USED ON EXISTING PAVEMENT PAST THE PROPOSED PAVING LIMITS AND FINAL SURFACE COURSES.

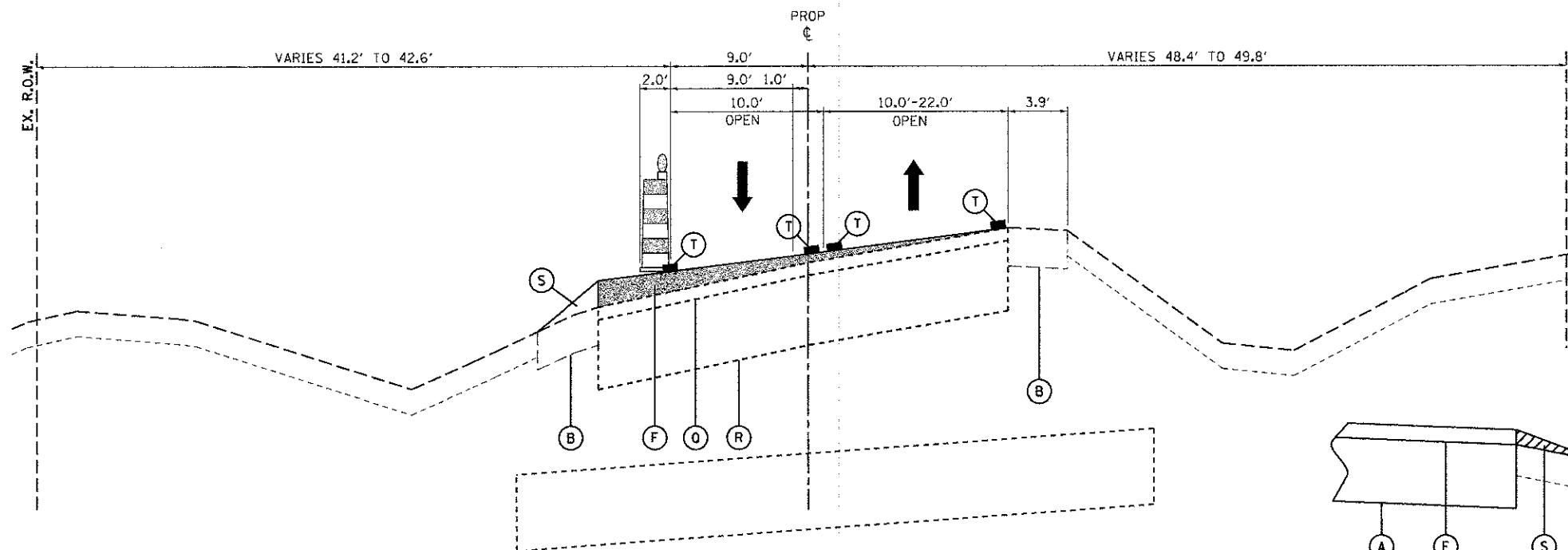


**STAGE 1B
PAVEMENT WIDENING/STORM SEWER CONSTRUCTION**

STA. 19+85.20 TO STA. 27+00.00

• CONTRACTOR SHALL CONSTRUCT A TEMPORARY RUNAROUND TO MAINTAIN TRAFFIC FLOW WHEN CONSTRUCTING THE STORM SEWER LATERALS AND JOINT REPAIRS. IF APPROVED BY THE ENGINEER, THE AGGREGATE MAY BE USED AS AGGREGATE SUBGRADE IN THE WIDENING AREA. TEMPORARY RUNAROUND SHALL BE PAID FOR AS "AGGREGATE SHOULDER (SPECIAL)."

**EXIST. PAVEMENT AND SHOULDER STRUCTURE TO BE REMOVED FOR TRENCH EXCAVATION, STORM SEWER INSTALLATION AND PERM. CLASS D PATCH, 11".



**STAGE 1C
HMA BINDER CONSTRUCTION**

STA. 19+85.20 TO STA. 27+00.00

AGGREGATE WEDGE SHOULDER, TYPE B

TO BE CONSTRUCTED ADJACENT TO ALL HMA BINDER CONSTRUCTED IN STAGE 1C

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS - STAGE 1

SCALE: SHEET NO. 2 OF 5 SHEETS STA. TO STA.

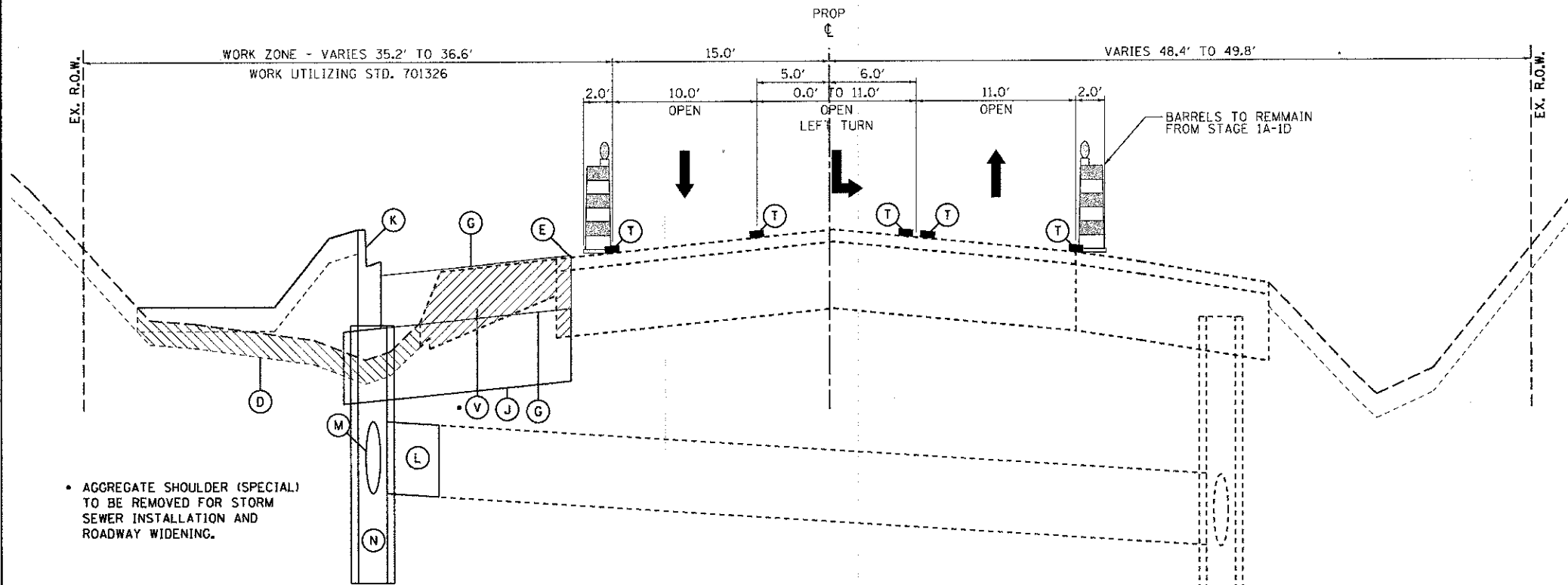
F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	29
CONTRACT NO. 87544			ILLINOIS FED. AID PROJECT	

USER NAME: nparriss	DESIGNED: SPB	REVISED:
PLST SCALE: 1/8"	DRAWN: NDP	REVISED:
PLOT DATE: 12/20/2012	CHECKED: DBP	REVISED:
	DATE: 12/21/12	REVISED:

STAGING TYPICAL SECTIONS

STAGE 1D

- SET UP STAGE 1D LANE SHIFT AND TRAFFIC CONTROL PLAN FROM STA. 15+86.50 LT. TO STA. 27+00.00 LT. (SEE STAGE 1 MOT PLAN).
- REMOVE PAVEMENT IN WIDENING, CONSTRUCT STORM SEWER, DRAINAGE STRUCTURES AND EMABNKMENT/AGGREGATE SUBGRADE FOR PAVEMENT WIDENING FROM STA. 10+26.17 LT. TO STA. 15+86.5 LT. AND STA. 20+16.16 LT. TO STA. 26+87.47 LT.
- CONSTRUCT CURB AND GUTTERS, BINDER COURSE, AND TEMPORARY SEED FROM STA. 10+26.17 LT. TO STA. 15+86.5 LT. AND STA. 20+16.16 LT. TO STA. 26+87.47 LT.
- WIDENING WORK TO BE COMPLETED UNDER TRAFFIC CONTROL STANDARD 701326.

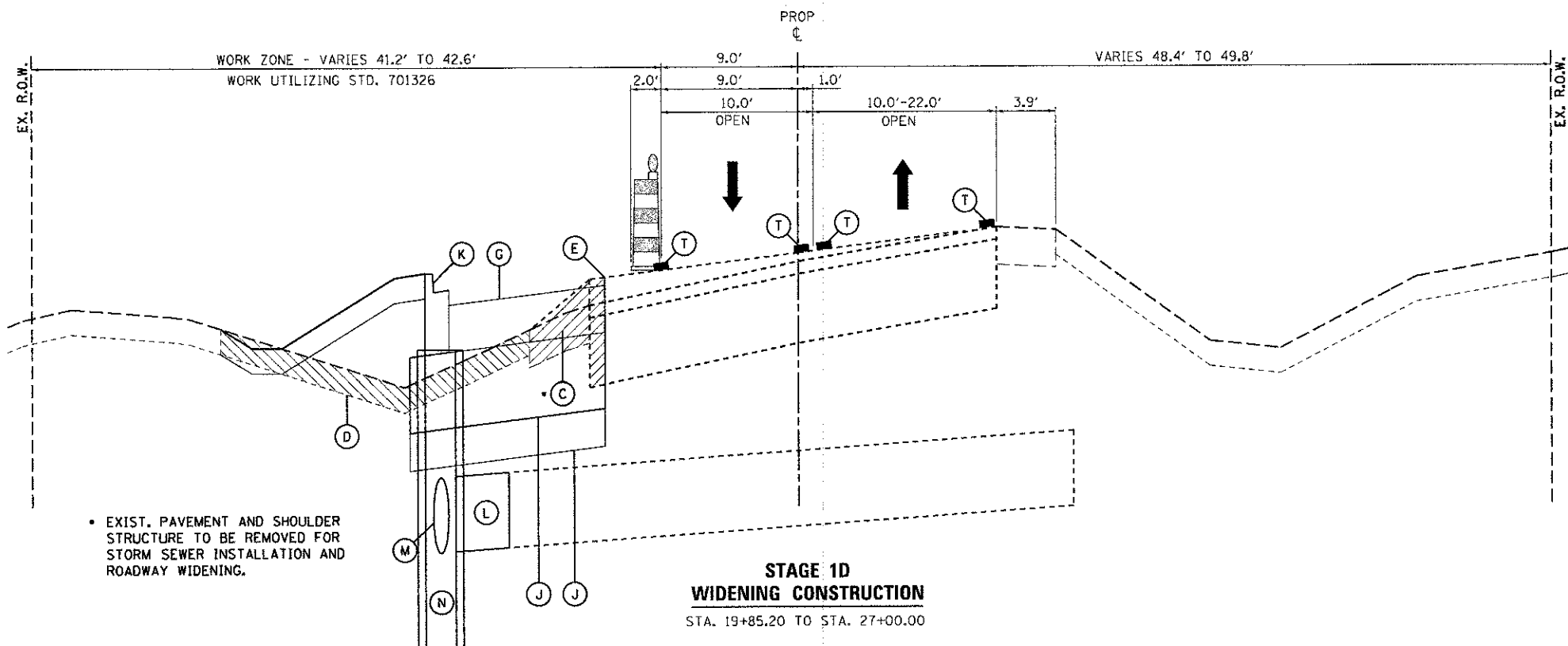


- AGGREGATE SHOULDER (SPECIAL) TO BE REMOVED FOR STORM SEWER INSTALLATION AND ROADWAY WIDENING.

**STAGE 1D
WIDENING CONSTRUCTION**
STA. 10+26.17 TO STA. 15+86.50

LEGEND

- (A) EXIST. PAVEMENT STRUCTURE
- (B) EXIST. SHOULDER STRUCTURE
- (C) EXIST. PAVEMENT AND SHOULDER STRUCTURE - TO BE REMOVED
- (D) EXIST. TOPSOIL - TO BE REMOVED
- (E) SAWCUT - FULL DEPTH
- (F) PROP. HMA BINDER COURSE, DEPTH VARIES
- (G) PROP. HMA BINDER COURSE
- (H) PROP. HMA SURFACE COURSE
- (I) PROP. HMA MULTI-USE PATH/AGGREGATE BASE COURSE
- (J) PROP. AGGREGATE SUBGRADE IMPROVEMENT
- (K) PROP. CONCRETE CURB AND GUTTER
- (L) PROP. STORM SEWER LATERAL
- (M) PROP. STORM SEWER TRUNK LINE
- (N) PROP. STORM SEWER STRUCTURE
- (O) PROP. STRUCTURAL EMBANKMENT
- (P) HMA SURFACE REMOVAL (MILLING)
- (Q) TEMPORARY PAVEMENT PATCH, 2" W/ AGGREGATE BASE COURSE, 9"
- (R) PERMANENT CLASS D PATCH, 11"
- (S) AGGREGATE WEDGE SHOULDER, TYPE B
- (T) TEMPORARY PAVEMENT MARKING LINE
- (U) SHORT-TERM PAVEMENT MARKINGS
- (V) AGGREGATE SHOULDER (SPECIAL)
- (W) EXISTING STRIPING TO REMIAN



- EXIST. PAVEMENT AND SHOULDER STRUCTURE TO BE REMOVED FOR STORM SEWER INSTALLATION AND ROADWAY WIDENING.

**STAGE 1D
WIDENING CONSTRUCTION**
STA. 19+85.20 TO STA. 27+00.00

PAVEMENT MARKING NOTE:

ONLY TEMPORARY PAVEMENT MARKING TAPE WILL BE USED ON EXISTING PAVEMENT PAST THE PROPOSED PAVING LIMITS AND FINAL SURFACE COURSES.

FILE NAME: MAP:\projects\2012\120155_Bathany\Stg3\CADD\Civil\Drawings\STG1D-TYP1.Dgn

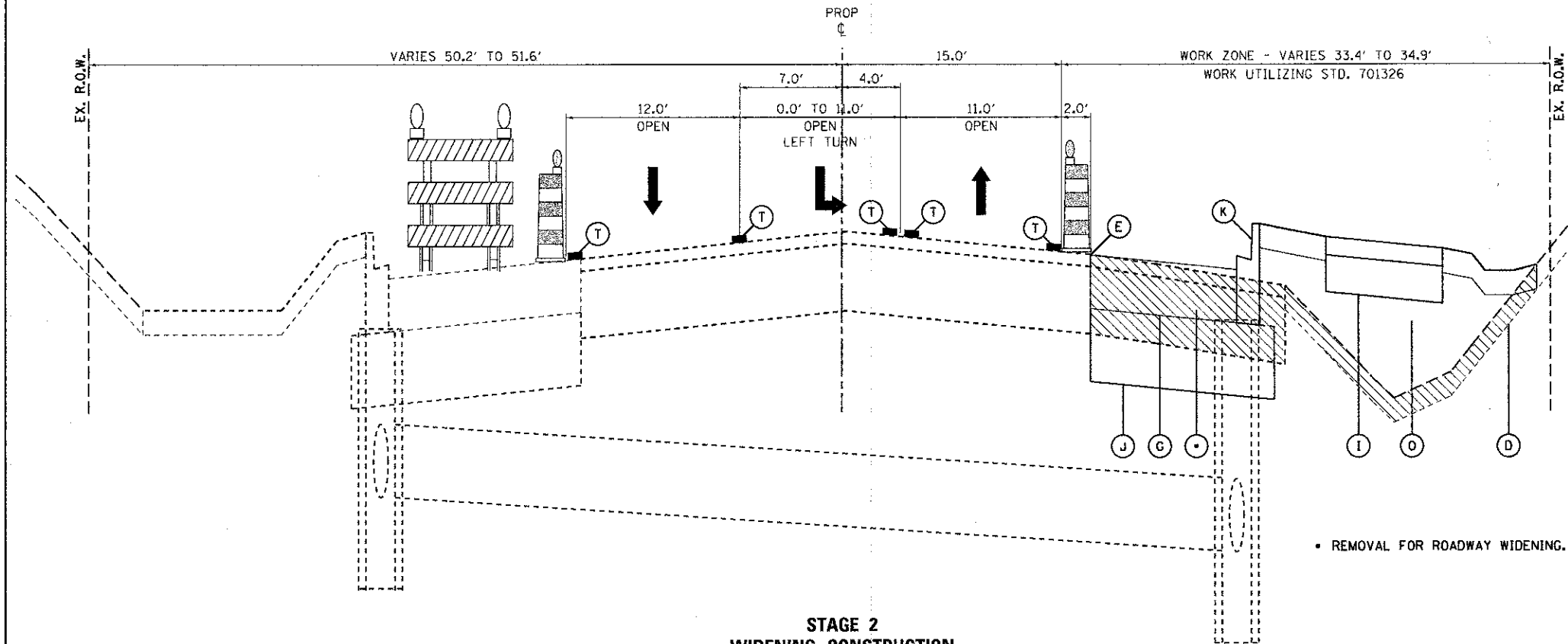
USER NAME = ngarris	DESIGNED - SPB	REVISED -
PLOT SCALE = 1/8"	DRAWN - NDP	REVISED -
PLOT DATE = 12/28/2012	CHECKED - DBP	REVISED -
	DATE - 12/21/12	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	30
CONTRACT NO. 87544			ILLINOIS FED. AID PROJECT	

STAGING TYPICAL SECTIONS

STAGE 2

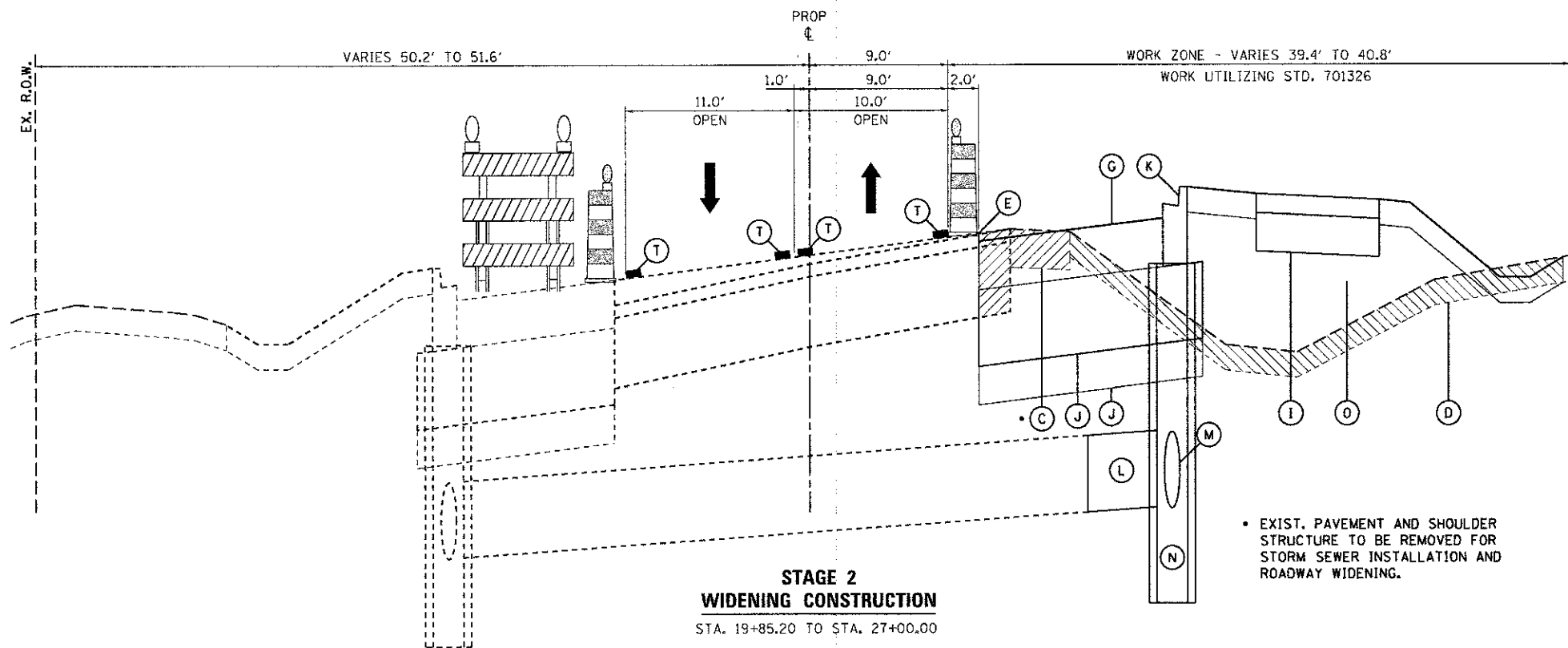
- SET UP STAGE 2 LANE SHIFT AND TRAFFIC CONTROL PLAN FROM STA. 15+86.50 RT. TO STA. 27+00.00 RT. (SEE STAGE 1 MOT PLAN).
- REMOVE PAVEMENT IN WIDENING, CONSTRUCT DRAINAGE STRUCTURES AND EMABNKMENT/AGGREGATE SUBGRADE FOR PAVEMENT WIDENING FROM STA. 15+86.50 RT. TO STA. 26+87.47 RT.
- CONSTRUCT CURB AND GUTTERS, BINDER COURSE, HMA BIKE PATH/BASE COURSE AND TEMPORARY SEED FROM STA. 10+26.17 RT. TO STA. 15+86.50 RT. AND STA. 20+16.16 RT. TO STA. 26+87.47 RT.
- WIDENING WORK TO BE COMPLETED UNDER TRAFFIC CONTROL STANDARD 701326.



**STAGE 2
WIDENING CONSTRUCTION**
STA. 10+26.17 TO STA. 15+86.50

LEGEND

- (A) EXIST. PAVEMENT STRUCTURE
- (B) EXIST. SHOULDER STRUCTURE
- (C) EXIST. PAVEMENT AND SHOULDER STRUCTURE - TO BE REMOVED
- (D) EXIST. TOPSOIL - TO BE REMOVED
- (E) SAWCUT - FULL DEPTH
- (F) PROP. HMA BINDER COURSE, DEPTH VARIES
- (G) PROP. HMA BINDER COURSE
- (H) PROP. HMA SURFACE COURSE
- (I) PROP. HMA MULTI-USE PATH/AGGREGATE BASE COURSE
- (J) PROP. AGGREGATE SUBGRADE IMPROVEMENT
- (K) PROP. CONCRETE CURB AND GUTTER
- (L) PROP. STORM SEWER LATERAL
- (M) PROP. STORM SEWER TRUNK LINE
- (N) PROP. STORM SEWER STRUCTURE
- (O) PROP. STRUCTURAL EMBANKMENT
- (P) HMA SURFACE REMOVAL (MILLING)
- (Q) TEMPORARY PAVEMENT PATCH, 2" W/ AGGREGATE BASE COURSE, 9"
- (R) PERMENANT CLASS D PATCH, 11"
- (S) AGGREGATE WEDGE SHOULDER, TYPE B
- (T) TEMPORARY PAVEMENT MARKING LINE
- (U) SHORT-TERM PAVEMENT MARKINGS
- (V) AGGREGATE SHOULDER (SPECIAL)
- (W) EXISTING STRIPING TO REMIAN



**STAGE 2
WIDENING CONSTRUCTION**
STA. 19+85.20 TO STA. 27+00.00

PAVEMENT MARKING NOTE:

ONLY TEMPORARY PAVEMENT MARKING TAPE WILL BE USED ON EXISTING PAVEMENT PAST THE PROPOSED PAVING LIMITS AND FINAL SURFACE COURSES.

FILE NAME = W:\Projects\2012\121815_Berthony\593\KAD0\Civil\Ugr\Sheet\MOT-TYP2.dgn

WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nporris	DESIGNED - SPB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS - STAGE 2		F.A.U. RTE. = 5355	SECTION = 10-00167-01-WR	COUNTY = DEKALB	TOTAL SHEETS = 78	SHEET NO. = 31	
	PLOT SCALE = 1/8"	CHECKED - DBP	REVISED -		SCALE:	SHEET NO. 4 OF 5 SHEETS	STA. TO STA.	CONTRACT NO. 87544				
	PLOT DATE = 12/20/2012	DATE = 12/21/12	REVISED -		ILLINOIS FED. AID PROJECT							

STAGING TYPICAL SECTIONS

STAGE 3

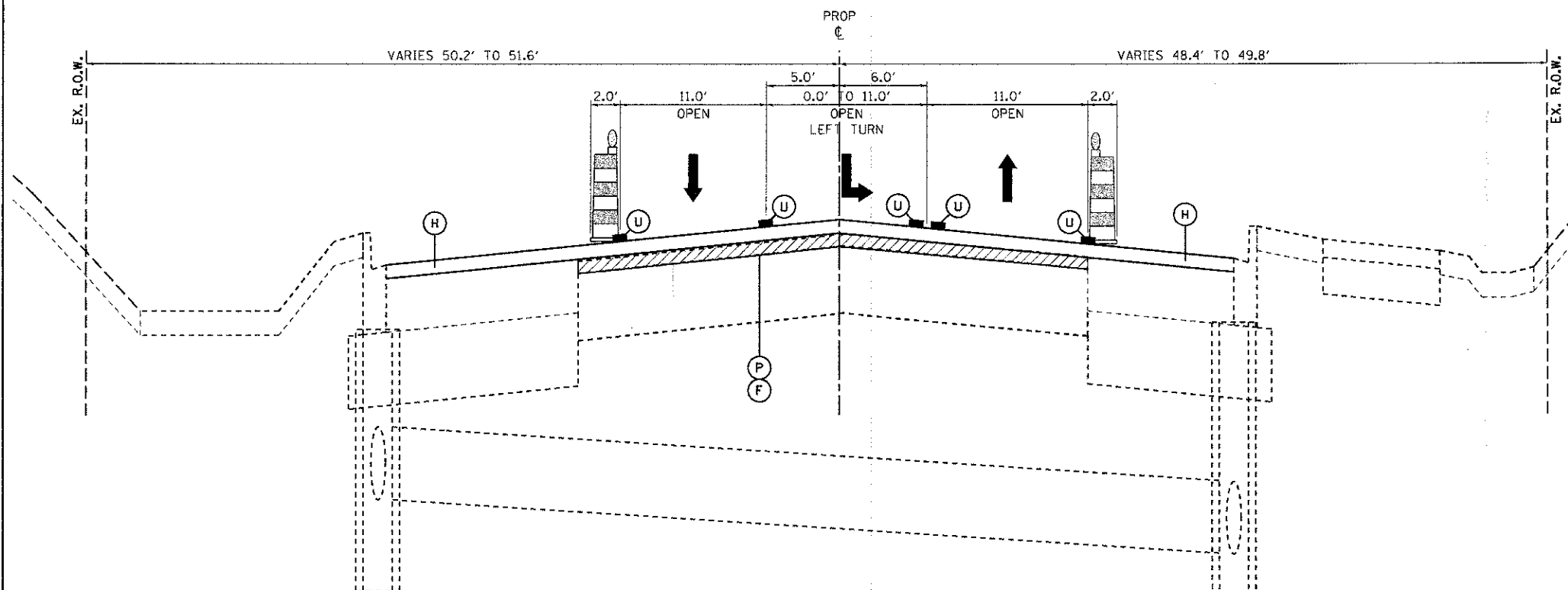
- MAINTAIN STAGE 2 LANE SHIFT AND TRAFFIC CONTROL STRIPING FROM STA. 15+86.50 LT. TO STA. 27+00.00 LT. MAINTAIN BETHANY ROAD AS TWO LANE ROADWAY UNTIL STAGE 3 IS COMPLETE.
- COMPLETE SURFACE MILLING AT LOCATIONS SHOWN IN PLANS FROM STA. 10+26.17 TO STA. 15+86.50 AND STA. 20+16.16 TO STA. 26+87.47.
- TACK COAT ENTIRE SURFACE, CONSTRUCT LEVELING BINDER AND SURFACE COURSES FROM STA. 10+26.17 TO STA. 15+86.50 AND STA. 20+16.16 TO STA. 26+87.47.
- PLACE SHORT-TERM PAVEMENT MARKINGS. MAINTAIN AS TWO LANE ROADWAY.
- PAVEMENT MILLING, LEVELING BINDER AND SURFACE COURSES SHALL BE CONSTRUCTED UTILIZING TRAFFIC CONTROL STANDARD 701306.
- COMPLETE SIGNAGE AND FINAL RESTORATION CONSISTING OF SEED, FERTILIZER AND EROSION CONTROL BLANKET. WORK SHALL BE COMPLETED UTILIZING TRAFFIC CONTROL CONFIGURATION FROM STAGE 2 AND TRAFFIC CONTROL STANDARD 701326 AND TRAFFIC CONTROL STANDARD 701301.
- OPEN ROAD TO 4-LANES. MARK WITH SHORT-TERM PAVEMENT MARKINGS. INSTALL PERMANENT PAVEMENT MARKINGS UTILIZING TRAFFIC CONTROL STANDARD 701427.

LEGEND

- (A) EXIST. PAVEMENT STRUCTURE
- (B) EXIST. SHOULDER STRUCTURE
- (C) EXIST. PAVEMENT AND SHOULDER STRUCTURE - TO BE REMOVED
- (D) EXIST. TOPSOIL - TO BE REMOVED
- (E) SAWCUT - FULL DEPTH
- (F) PROP. HMA BINDER COURSE, DEPTH VARIES
- (G) PROP. HMA BINDER COURSE
- (H) PROP. HMA SURFACE COURSE
- (I) PROP. HMA MULTI-USE PATH/AGGREGATE BASE COURSE
- (J) PROP. AGGREGATE SUBGRADE IMPROVEMENT
- (K) PROP. CONCRETE CURB AND GUTTER
- (L) PROP. STORM SEWER LATERAL
- (M) PROP. STORM SEWER TRUNK LINE
- (N) PROP. STORM SEWER STRUCTURE
- (O) PROP. STRUCTURAL EMBANKMENT
- (P) HMA SURFACE REMOVAL (MILLING)
- (Q) TEMPORARY PAVEMENT PATCH, 2" W/ AGGREGATE BASE COURSE, 9"
- (R) PERMANENT CLASS D PATCH, 11"
- (S) AGGREGATE WEDGE SHOULDER, TYPE B
- (T) TEMPORARY PAVEMENT MARKING LINE
- (U) SHORT-TERM PAVEMENT MARKINGS
- (V) AGGREGATE SHOULDER (SPECIAL)
- (W) EXISTING STRIPING TO REMAIN

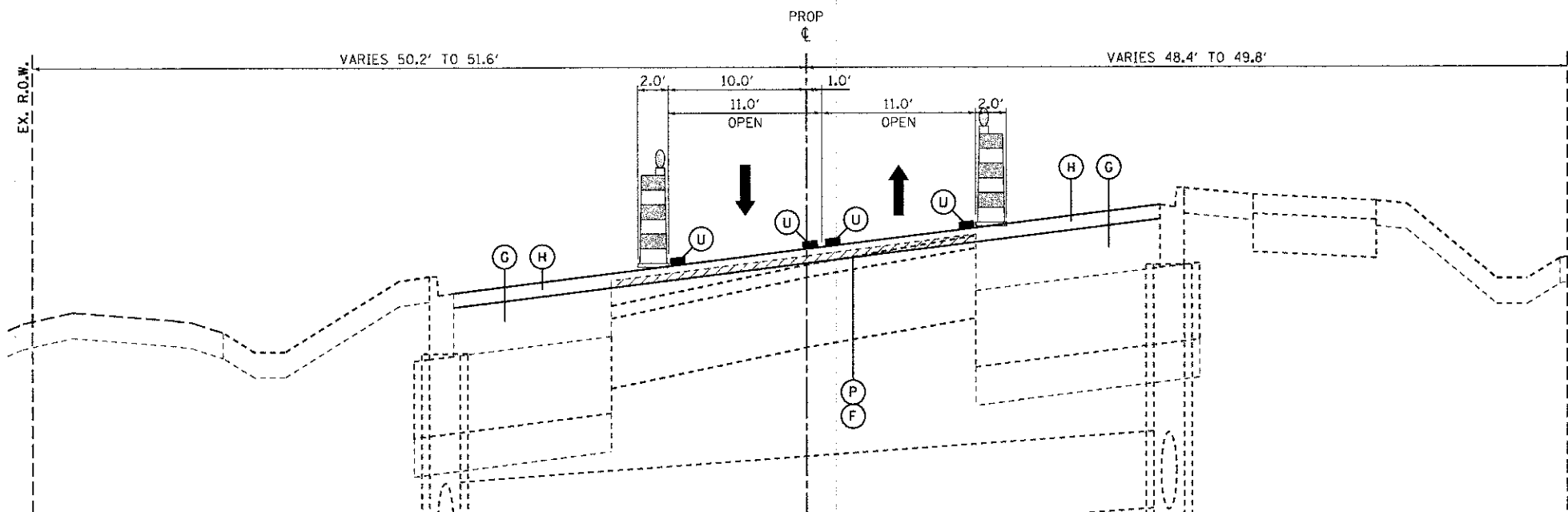
PAVEMENT MARKING NOTE:

ONLY TEMPORARY PAVEMENT MARKING TAPE WILL BE USED ON EXISTING PAVEMENT PAST THE PROPOSED PAVING LIMITS AND FINAL SURFACE COURSES.



STAGE 3 WIDENING CONSTRUCTION

STA. 10+26.17 TO STA. 15+86.5

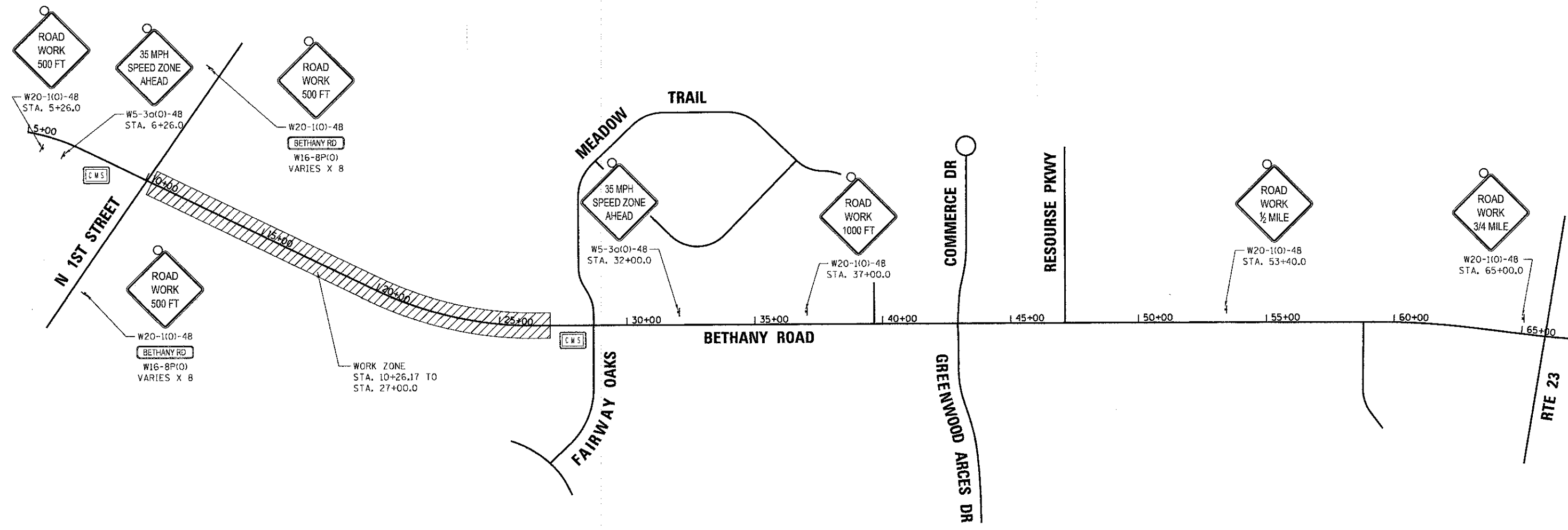


STAGE 3 WIDENING CONSTRUCTION


STA. 19+85.2 TO STA. 27+00.0

FILE NAME = \\n:\Projects\2012\120125 Bethany\Stg3\CADD\Civil\Drawings\TYP3.dgn

WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nparnis	DESIGNED - SPB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC TYPICAL SECTIONS - STAGE 3		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1/8"	CHECKED - DBP	REVISED -		5355	10-00167-01-WR	DEKALB	78	32		
	PLOT DATE = 12/20/2012	DATE = 12/21/12	REVISED -		SCALE: SHEET NO. 5 OF 5 SHEETS		STA. TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 87544	



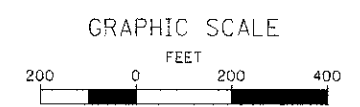
LEGEND

 CHANGEABLE MESSAGE SIGN

CHANGEABLE MESSAGE SIGN

THE CONTRACTOR SHALL PLACE ELECTRONIC CHANGEABLE MESSAGE SIGNS ON THE EAST AND WEST SIDE OF THE PROJECT LIMITS ON BETHANY ROAD AND NORTH AND SOUTH OF BETHANY ROAD ON N. FIRST STREET TO NOTIFY OF START OF CONSTRUCTION AND WARN THE PUBLIC OF THE PENDING LANE SHIFTS. THE MESSAGE BOARDS WILL NEED TO BE PLACED AND SET OUT FOR SEVEN (7) DAYS IN ADVANCE OF THE ANTICIPATED FIRST DAY OF CONSTRUCTION AND FOR (7) DAYS AFTER START OF CONSTRUCTION. THE MESSAGE BOARDS WILL AGAIN BE SET UP SEVEN (7) DAYS PRIOR TO CHANGING BETWEEN STAGES AND ALSO FOR SEVEN (7) DAYS AFTER. THE SIGNS SHALL REMAIN IN PLACE FOR THE SPECIFIED CONTRACT TIME. THE CONTRACTOR WILL COORDINATE WITH THE RESIDENT ENGINEER ON THE EXACT PLACEMENT OF THE MESSAGE BOARDS AND THE MESSAGE THAT IS TO BE DISPLAYED. THE MESSAGE MAY PERIODICALLY BE CHANGED BY THE ENGINEER. THERE WILL BE NO ADDITIONAL COMPENSATION FOR CHANGING OF THE MESSAGE(S). THE MESSAGE BOARDS WILL BE PAID FOR AS CHANGEABLE MESSAGE SIGN, PER CALENDAR MONTH OR FRACTION THEREOF, FOR EACH MESSAGE SIGN UTILIZED. FOUR (4) SIGNS ARE ANTICIPATED FOR THIS PROJECT.

NOTE:
THE CITY OF DEKALB RESERVES THE RIGHT TO ADD ADDITIONAL SIGNAGE. THERE WILL BE NO ADDITIONAL COMPENSTATION FOR ADDITIONAL SIGNAGE.



FILE NAME: M:\Proj\wctsa\2012\120155_BethanyRd\3-CADD\Civil\09n\Shk\W07\road1-1.dgn

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

USER NAME = nparr1s	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:2000	DRAWN - NDP	REVISED -
PLOT DATE = 12/28/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
ADVANCED WARNING SIGNS**

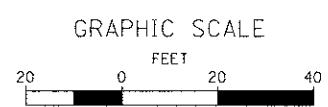
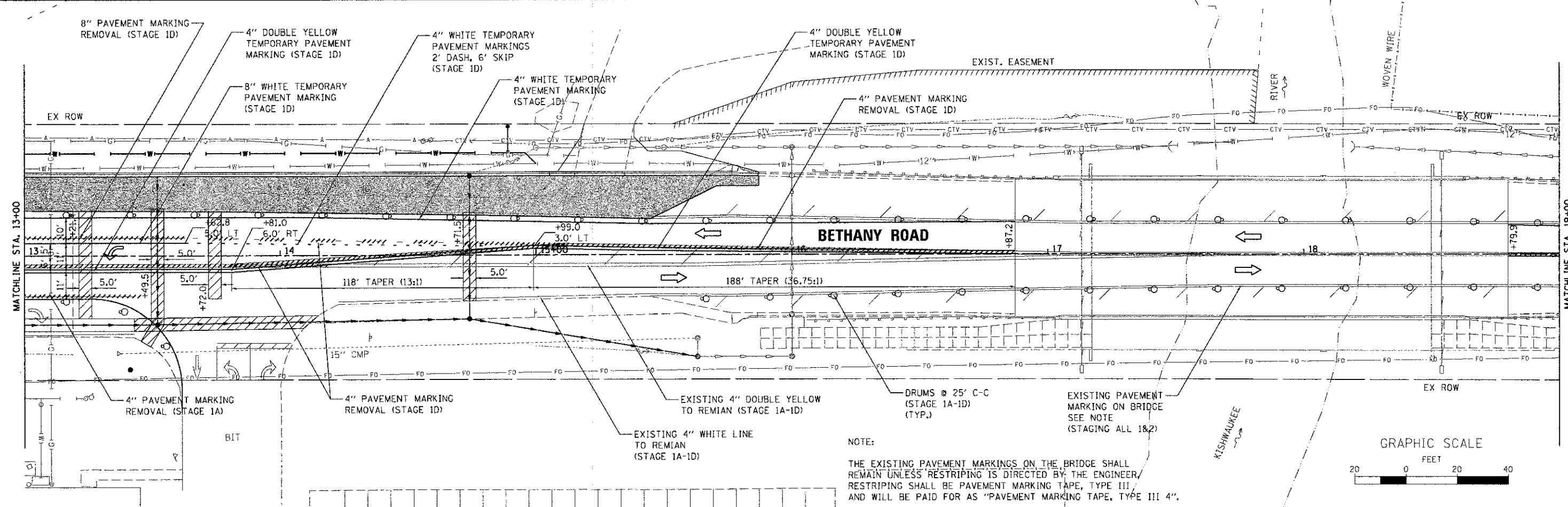
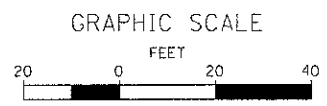
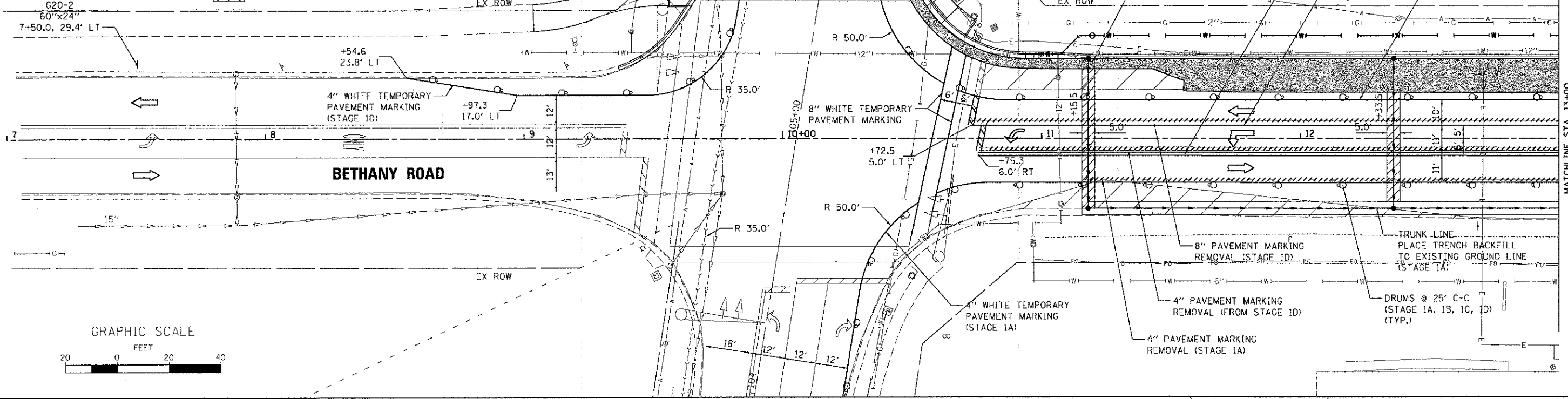
SCALE: AS SHOWN SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 33
CONTRACT NO. 87544				ILLINOIS FED. AID PROJECT

LEGEND

- DRUM W/ STEADY BURN LIGHT
- ▨ PAVEMENT MARKING REMOVAL
- ← TRAFFIC FLOW ARROW
- ▨ ROADWAY WIDENING - STAGE 1D & 2
- ▨ PAVEMENT PATCHING - STAGE 1B

END ROAD WORK



NOTE:
THE EXISTING PAVEMENT MARKINGS ON THE BRIDGE SHALL REMAIN UNLESS RESTRIPIING IS DIRECTED BY THE ENGINEER. RESTRIPIING SHALL BE PAVEMENT MARKING TAPE, TYPE III, AND WILL BE PAID FOR AS "PAVEMENT MARKING TAPE, TYPE III 4".

FILE NAME = M:\Projects\2012\201205 - Bethany Rd\3-CADD\G:\1\1\Drawn\Shank\1011.dwg

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

USER NAME: rparis	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

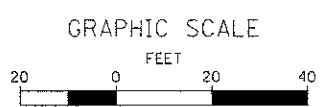
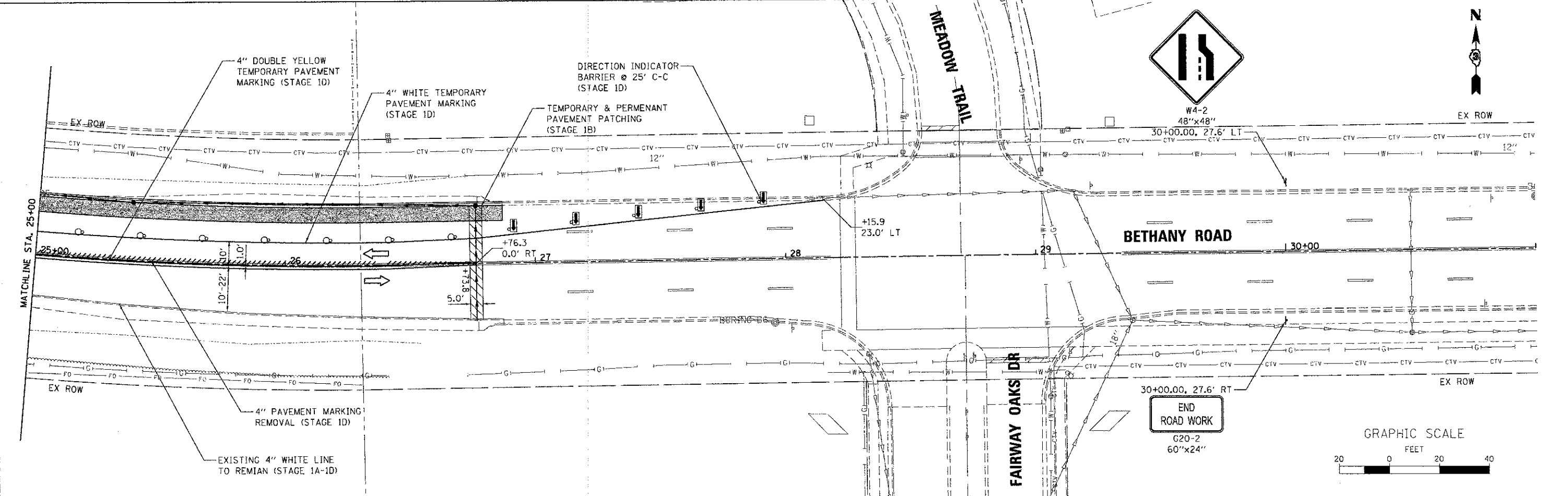
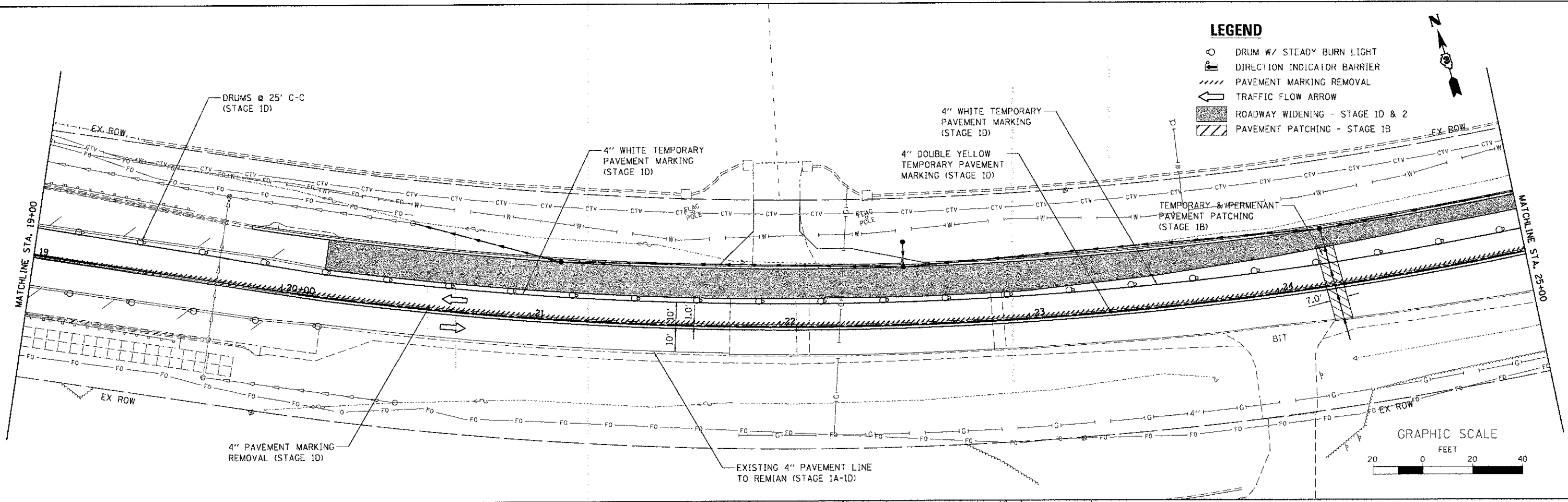
MAINTENANCE OF TRAFFIC PLAN STAGE 1			
SCALE: 1"=20'	SHEET NO. 2 OF 5 SHEETS	STA. 10+26.17	TO STA. 19+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	34
CONTRACT NO. 87544				

ILLINOIS FED. AID PROJECT

LEGEND

- DRUM W/ STEADY BURN LIGHT
- DIRECTION INDICATOR BARRIER
- PAVEMENT MARKING REMOVAL
- TRAFFIC FLOW ARROW
- ROADWAY WIDENING - STAGE 1D & 2
- PAVEMENT PATCHING - STAGE 1B



FILE NAME = MA\Projects\2012\120155_Bethany\5353\CADD\DWG\11\Dgm_Sht\M011_02.dgn

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

USER NAME = rparis	DESIGNED - SBP	REVISED -
PLLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN
STAGE 1**
SCALE: 1"=20' SHEET NO. 3 OF 5 SHEETS STA. 19+00.00 TO STA. 27+00.00

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 35
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

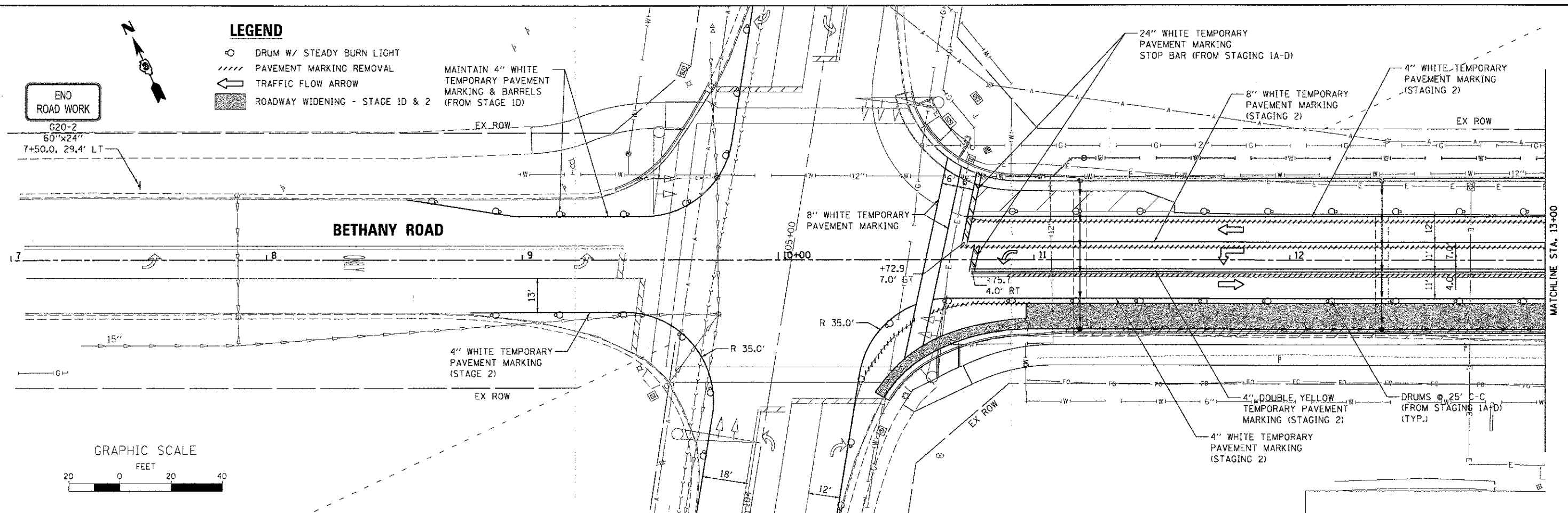
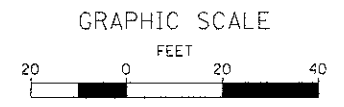


LEGEND

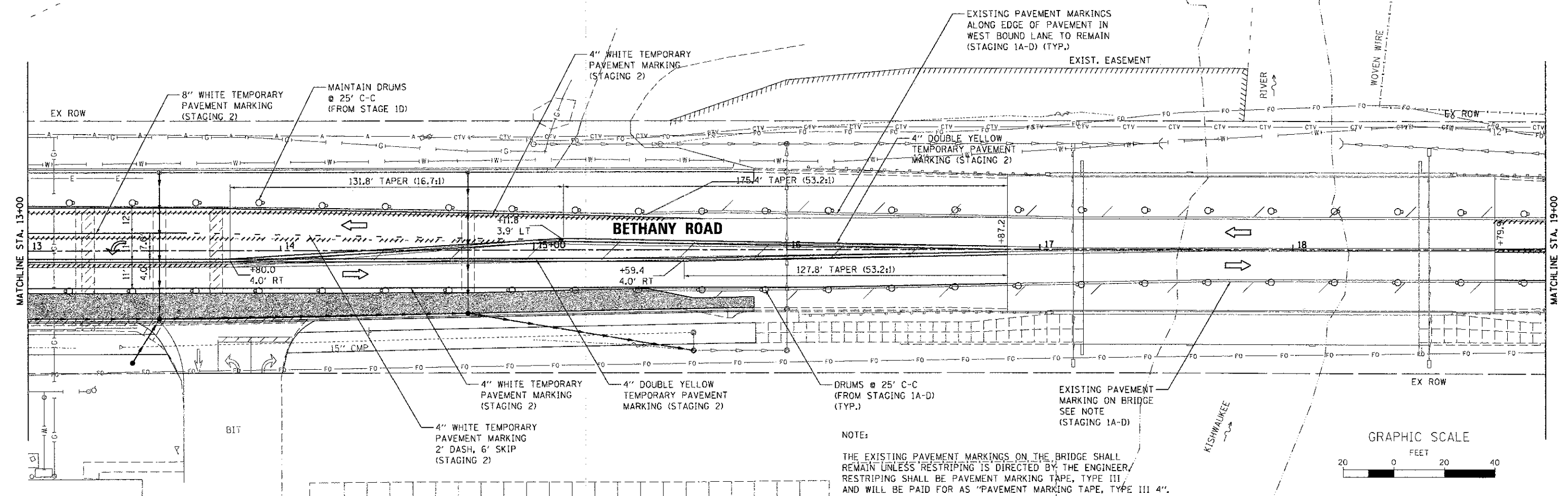
- DRUM W/ STEADY BURN LIGHT
- PAVEMENT MARKING REMOVAL
- TRAFFIC FLOW ARROW
- ROADWAY WIDENING - STAGE 1D & 2
- MAINTAIN 4" WHITE TEMPORARY PAVEMENT MARKING & BARRELS (FROM STAGE 1D)

END ROAD WORK
G20-2
60"x24"
7+50.0, 29.4' LT

BETHANY ROAD

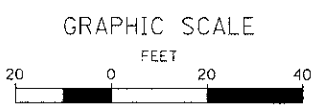


MATCHLINE STA. 13+00



MATCHLINE STA. 13+00

MATCHLINE STA. 19+00



NOTE:

THE EXISTING PAVEMENT MARKINGS ON THE BRIDGE SHALL REMAIN UNLESS RESTRIPING IS DIRECTED BY THE ENGINEER. RESTRIPING SHALL BE PAVEMENT MARKING TAPE, TYPE III AND WILL BE PAID FOR AS "PAVEMENT MARKING TAPE, TYPE III 4".

FILE NAME: \\NA\Projects\2012\120155_Bethany\5433_CADD\Civil\Drawings\Shots\M072.dwg

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

USER NAME: nparis	DESIGNED: SBP	REVISED:
PLOT SCALE: 1/2"=20'	DRAWN: NDP	REVISED:
PLOT DATE: 12/28/2012	CHECKED: DPB	REVISED:
	DATE: 12/21/12	REVISED:

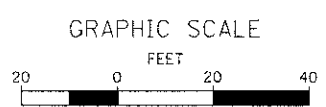
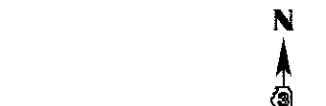
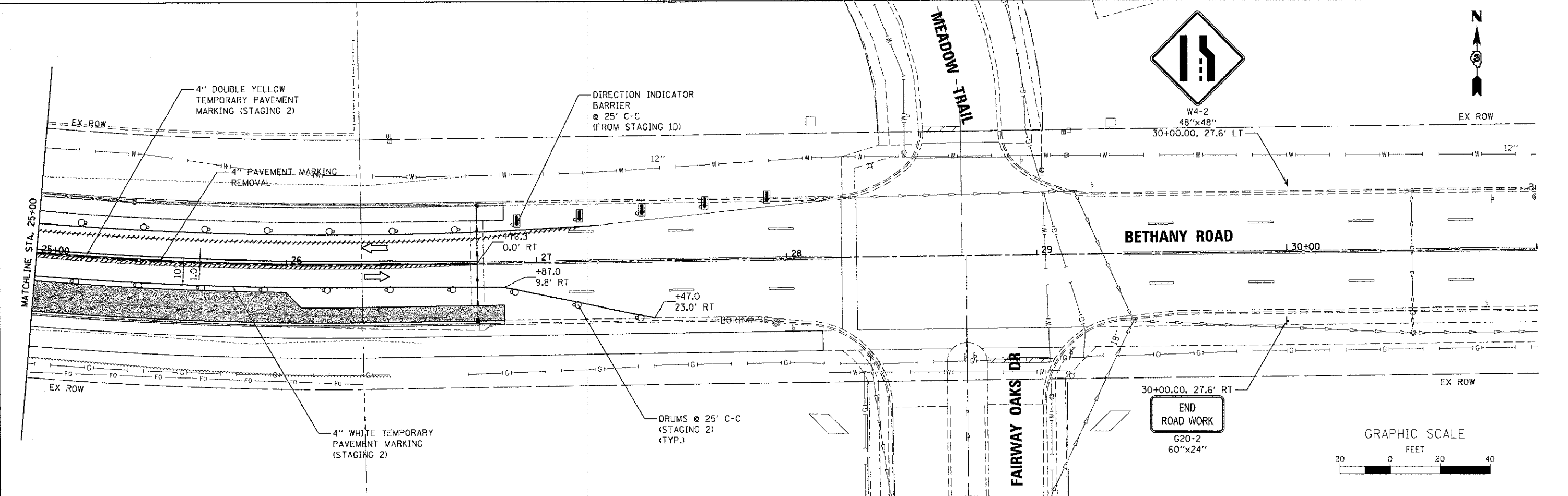
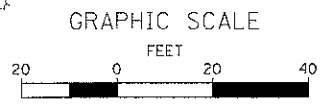
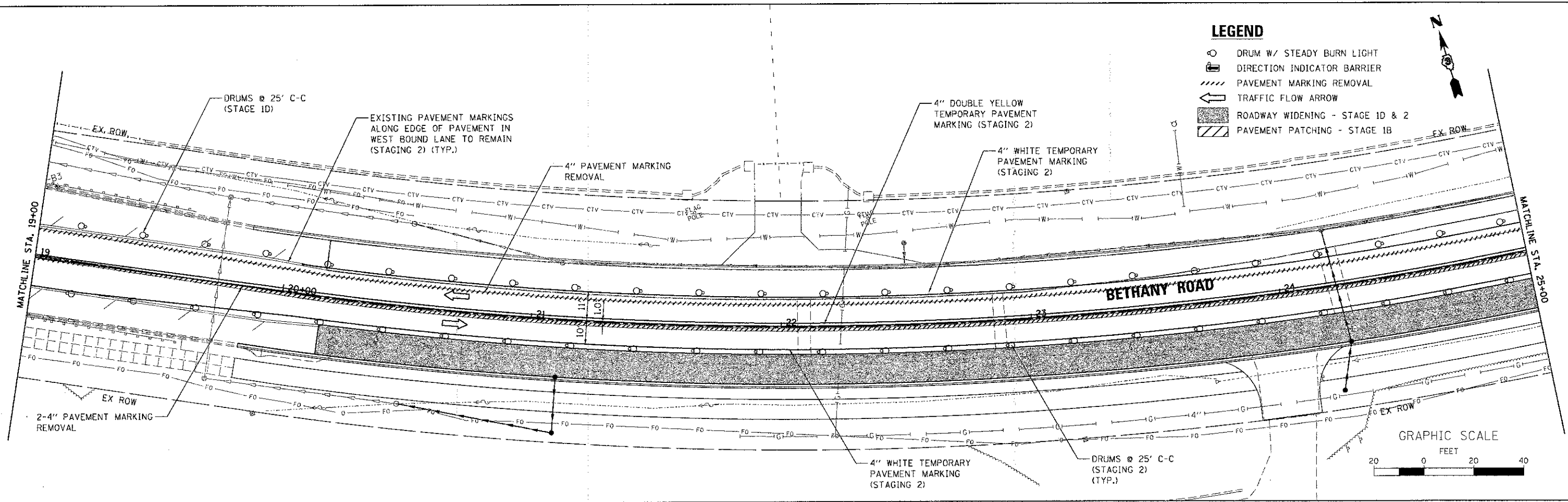
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PLAN STAGE 2	
SCALE: 1"=20'	SHEET NO. 4 OF 5 SHEETS STA. 10+26.17 TO STA. 19+00.00

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 36
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

LEGEND

- DRUM W/ STEADY BURN LIGHT
- DIRECTION INDICATOR BARRIER
- PAVEMENT MARKING REMOVAL
- TRAFFIC FLOW ARROW
- ROADWAY WIDENING - STAGE 1D & 2
- PAVEMENT PATCHING - STAGE 1B



FILE NAME: \\MAP\Projects\2012\120155_Bethany\535353\CADD\Civil\Drawings\MDT2_482.dwg

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






USER NAME = rparis	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

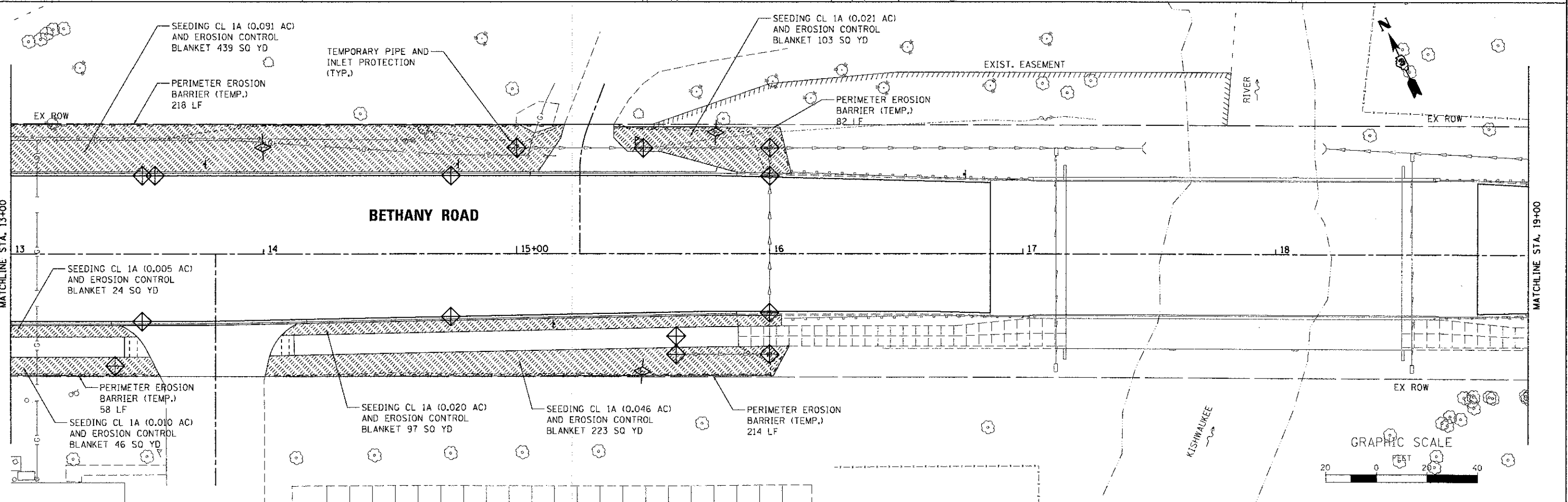
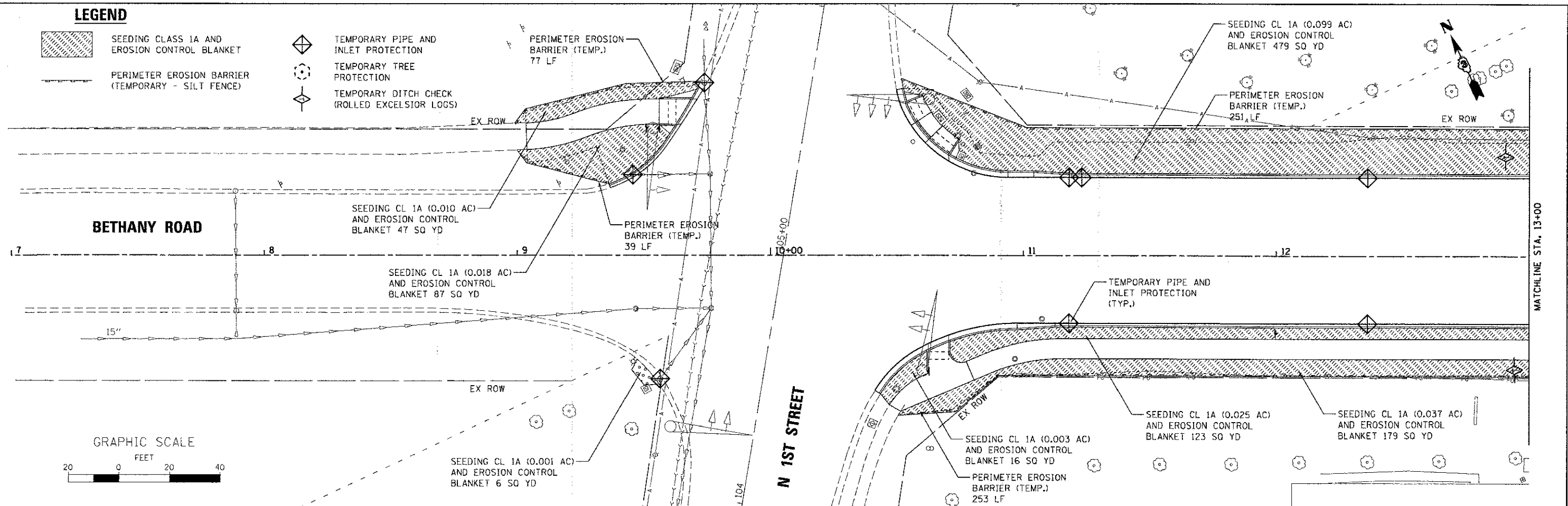
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN
STAGE 2**
SCALE: 1"=20' SHEET NO. 5 OF 5 SHEETS STA. 19+00.00 TO STA. 27+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	76	37
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

LEGEND

-  SEEDING CLASS 1A AND EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER (TEMPORARY - SILT FENCE)
-  TEMPORARY PIPE AND INLET PROTECTION
-  TEMPORARY TREE PROTECTION
-  TEMPORARY DITCH CHECK (ROLLED EXCELSIOR LOGS)



FILE NAME = W:\P\0\100155_Bethany5\3_CADD\G:\1\100155_Sht1\ERP_01.dwg

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

USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -






**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

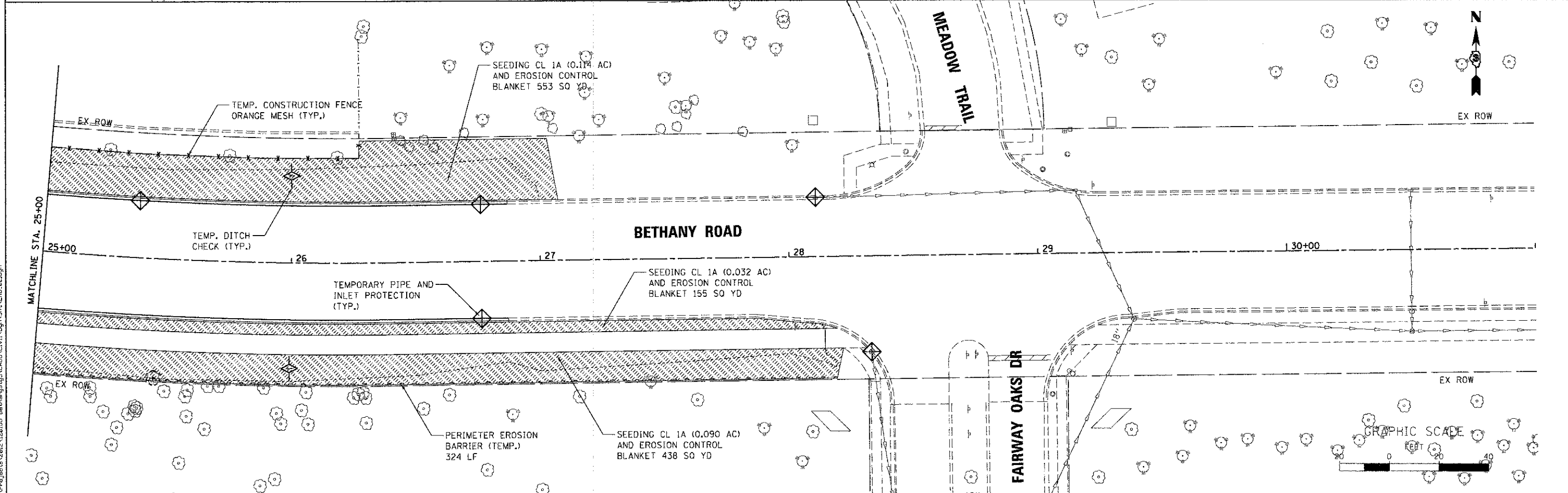
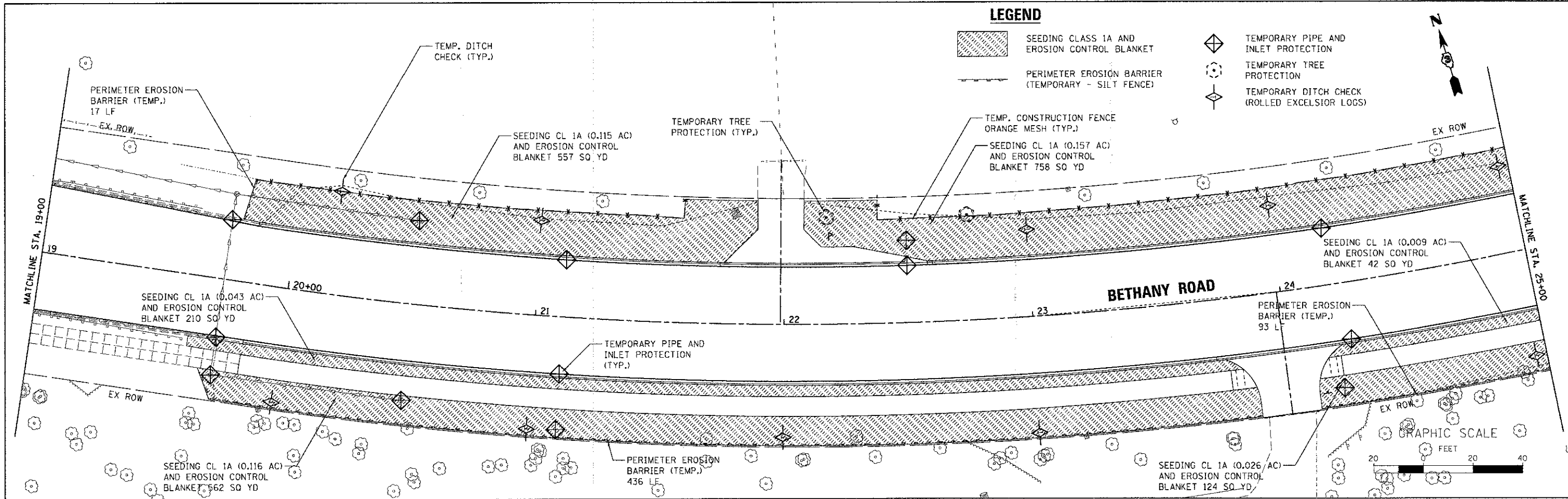
**EROSION CONTROL
& SEEDING PLAN**

SCALE: 1"=20' SHEET NO. 1 OF 4 SHEETS STA. 10+26.17 TO STA. 19+00.00

F.A.I. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 39
CONTRACT NO. B7544				ILLINOIS FED. AID PROJECT

LEGEND

-  SEEDING CLASS 1A AND EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER (TEMPORARY - SILT FENCE)
-  TEMPORARY PIPE AND INLET PROTECTION
-  TEMPORARY TREE PROTECTION
-  TEMPORARY DITCH CHECK (ROLLED EXCELSTOR LOGS)



FILE NAME: W:\Projects\2012\1220105_BethanyRd\2012\1220105_BethanyRd.dwg

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

USER NAME = nparriss	DESIGNED - KMA	REVISED -
PLOT SCALE = 1:200	DRAWN - NDP	REVISED -
PLOT DATE = 12/28/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL
 & SEEDING PLAN**

SCALE: 1"=20' SHEET NO. 2 OF 4 SHEETS STA. 19+00.00 TO STA. 27+00.00

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 39
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL INSPECTION

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

WINTER SHUT DOWN

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

TEMPORARY DITCH CHECKS

THE PLANS HAVE A PLAN ALLOWANCE FOR FIVE (5) TEMPORARY DITCH CHECKS. THE DITCH CHECKS WILL BE REQUIRED AT THOSE LOCATIONS WHERE THE CONTRACTORS OPERATIONS REQUIRE TEMPORARY DITCHES OR SWALES. THE EXACT LOCATION WILL BE COORDINATED IN THE FIELD WITH THE ENGINEER.

PROTECTING STOCK PILE AREAS

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

KEEPING PAVEMENTS CLEAN

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

GENERAL NOTES

- A) UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.
- B) THE CITY OF DEKALB MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- C) A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- D) PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE CITY OF DEKALB FOR REVIEW.
- E) THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE CITY OF DEKALB.
- F) DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES, STORMWATER STRUCTURES, OR KISHWAUKEE RIVER IS PROHIBITED.
- G) IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

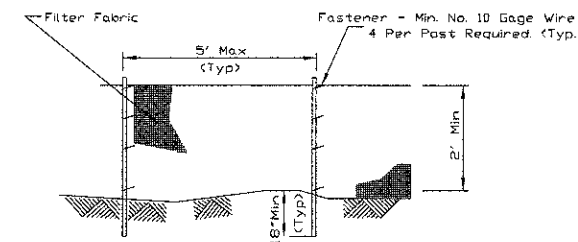
CONSTRUCTION SEQUENCE NOTES

- A) THE SIDE SLOPES MUST BE RESEEDED AND STABILIZED WITH AN APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS. THE BOTTOM OF THE SWALE MUST BE BROUGHT BACK TO ITS ORIGINAL GRADE AND STABLE ENOUGH TO ACCEPT FLOWS.

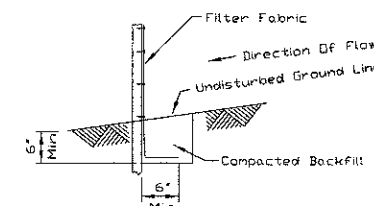
STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING						*	*	A				
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C									
EROSION CONTROL BLANKET								D				

- A. CLASS 1A CLASS 4A (NO FERTILIZER REQ.)
- B. INCREASE SEEDING RATES BY 25% WHEN DORANT SEEDING (NOT ANTICIPATED)
- C. TEMPORARY SEEDING (PERENIAL RYE GRASS, SPRING OATS)
- D. EROSION CONTROL BLANKET (EXCELSTOR) (PERMANENT SEED AREAS ONLY)

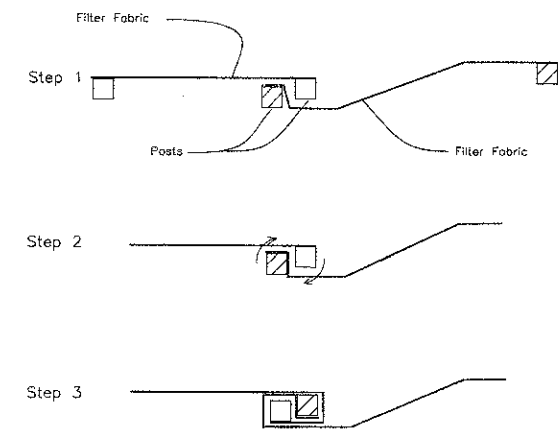
NOTE: IRRIGATION MAY BE NEEDED DURING JUNE AND JULY SEEDING TO BE COMPLETED PER REQUIREMENTS OF SECTION 250 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES.



ELEVATION



FABRIC ANCHOR DETAIL



ATTACHING TWO SILT FENCES

NOTES:

1. TEMPORARY SEDIMENT FENCE SHALL BE INSTALLED PRIOR TO ANY GRADING WORK IN THE AREA TO BE PROTECTED. THEY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AND REMOVED IN CONJUNCTION WITH THE FINAL GRADING AND SITE STABILIZATION.
2. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE TABLE 1 OR 2, CLASS 1 WITH EQUIVALENT OPENING SIZE OF AT LEAST 30 FOR NONWOVEN AND 50 FOR WOVEN.
3. FENCE POSTS SHALL BE EITHER STANDARD STEEL POST OR WOOD POST WITH A MINIMUM CROSS-SECTIONAL AREA OF 3.0 SQ. IN.
4. PLACE THE END POST OF THE SECOND FENCE INSIDE THE END POST OF THE FIRST FENCE.
5. ROTATE BOTH POSTS AT LEAST 180 DEGREES IN A CLOCKWISE DIRECTION TO CREATE A TIGHT SEAL WITH THE FABRIC MATERIAL.
6. DRIVE BOTH POSTS A MINIMUM OF 18 INCHES INTO THE GROUND AND BURY THE FLAP.

PERIMETER EROSION BARRIER (SILT FENCE) DETAILS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL
& SEEDING DETAILS

SCALE: N/A

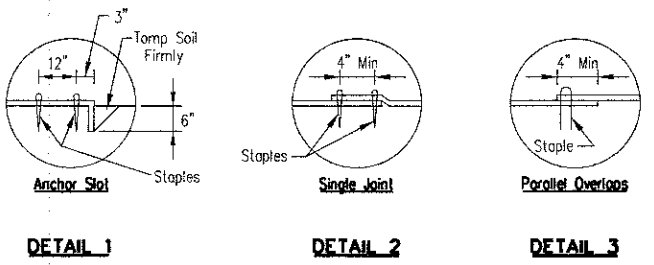
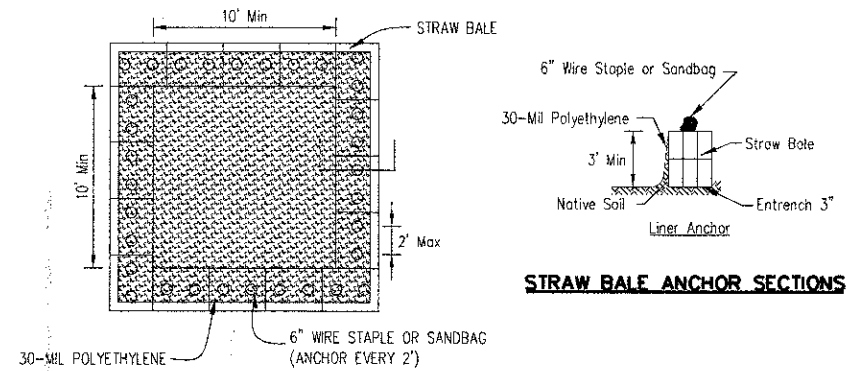
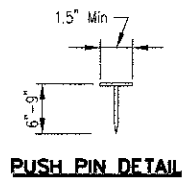
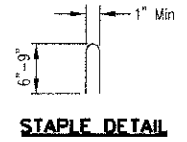
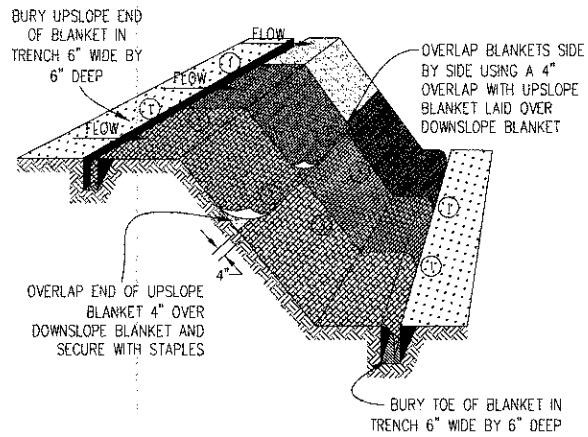
SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	40
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

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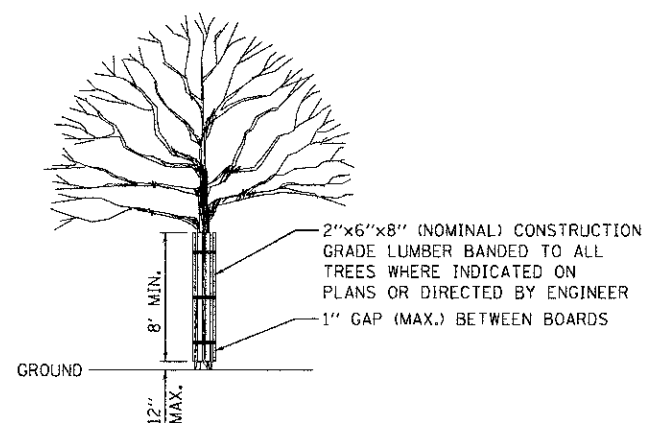
WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME	DESIGNED	REVISIONS
ngparris	KMA	
	NDP	
	DPB	

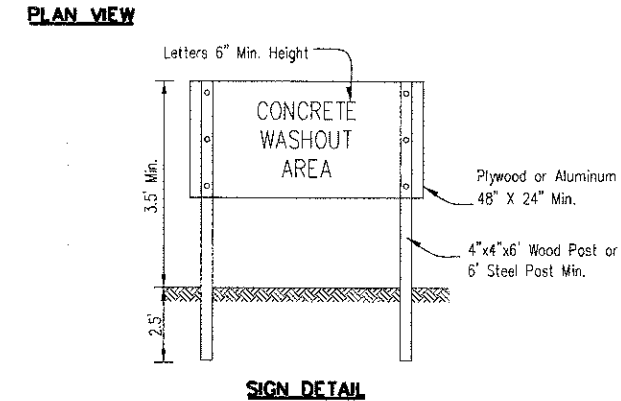


- NOTES:
1. STAPLES SHALL BE PLACED IN A DIAMOND PATTERN AT 2 PER S.Y. FOR STITCHED BLANKETS. NON-STICHED SHALL USE 4 STAPLES PER S.Y. OF MATERIAL. THIS EQUATES TO 200 STAPLES WITH STITCHED BLANKET AND 400 STAPLES WITH NON-STICHED BLANKET PER 100 S.Y. OF MATERIAL.
 2. STAPLE OR PUSH PIN LENGTHS SHALL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

**EROSION CONTROL
BLANKET INSTALLATION DETAILS**

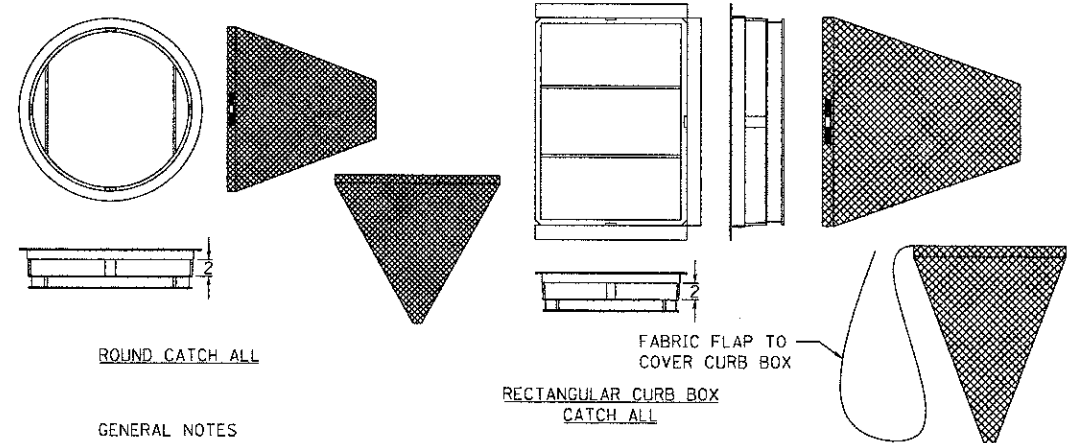


TREE TRUNK PROTECTION



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

**TEMPORARY CONCRETE
WASHOUT FACILITY - STRAW BALE**



- GENERAL NOTES
- FRAME: TOP FLANGE FABRICATED FROM 1/4"x1/4"x1/8" ANGLE. BASE RIM FABRICATED FROM 1/2"x1/2"x1/8" CHANNEL. HANDLES AND SUSPENSION BRACKETS FABRICATED FROM 1/4"x1/4" FLAT STOCK. ALL STEEL CONFORMING TO ASTM-A36.
- SEDIMENT BAG: BAG FABRICATED FROM 4 OZ./SQ.YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. BAG SECURED TO BASE RIM WITH A STAINLESS STEEL BAND AND LOCK.

INLET PROTECTION DETAIL

FILE NAME = W:\Projects\2012\120155_Beaching\53\ACADD\Civil\Ugn\Sh\ERD.dwg

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

USER NAME = cparriss	DESIGNED - KMA	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

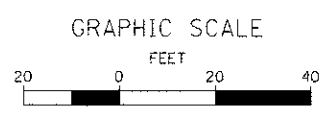
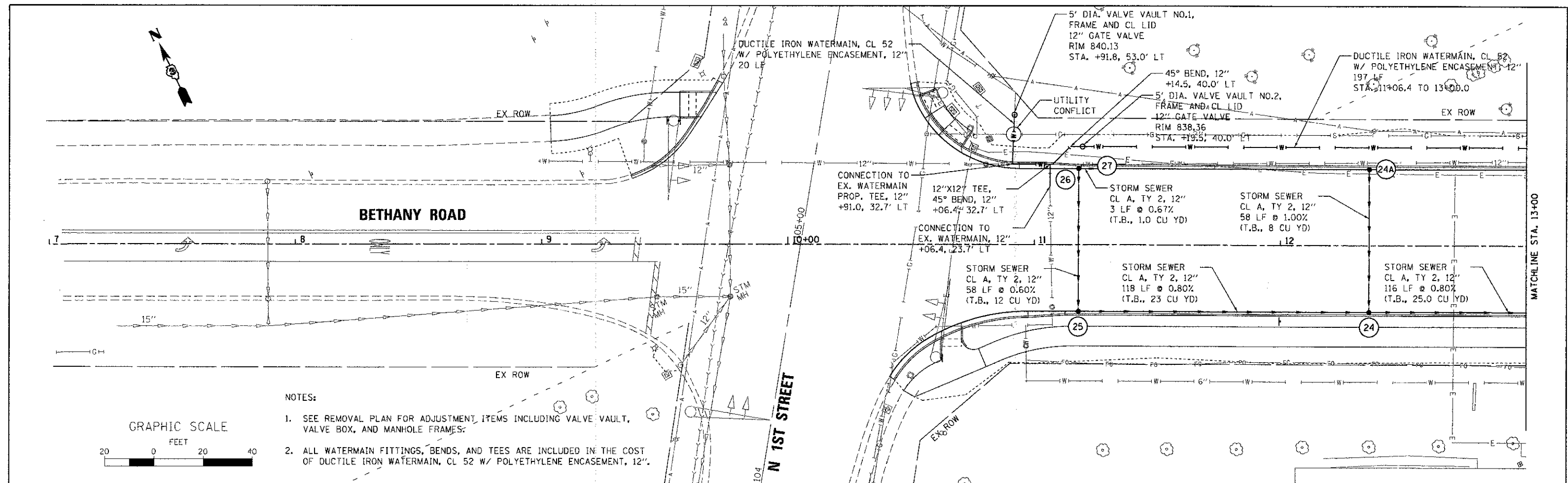
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**EROSION CONTROL
& SEEDING DETAILS**

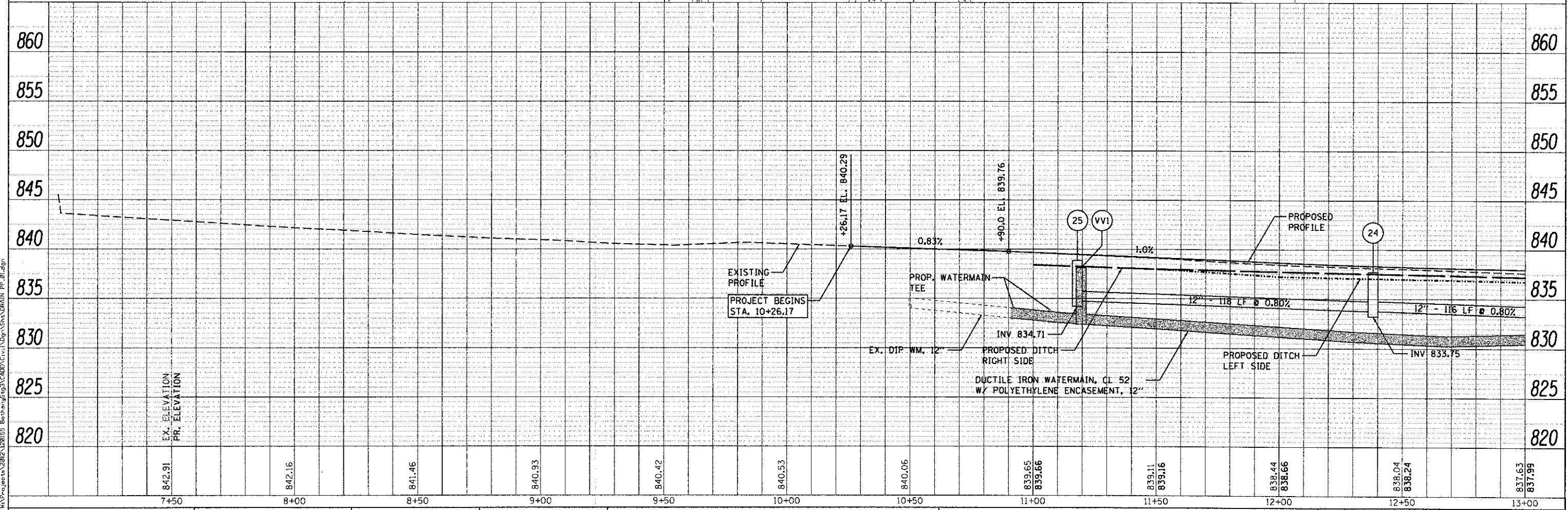
F.A.U. RFE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 41
CONTRACT NO. 87544				
[ILLINOIS] FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	



- NOTES:**
- SEE REMOVAL PLAN FOR ADJUSTMENT ITEMS INCLUDING VALVE VAULT, VALVE BOX, AND MANHOLE FRAMES.
 - ALL WATERMAIN FITTINGS, BENDS, AND TEES ARE INCLUDED IN THE COST OF DUCTILE IRON WATERMAIN, CL 52 W/ POLYETHYLENE ENCASEMENT, 12".



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

USER NAME	mparris
DESIGNED	JWW
DRAWN	NDP
CHECKED	DPB
DATE	12/21/12
REVISIONS	

DESIGNED	JWW	REVISIONS	
DRAWN	NDP	REVISIONS	
CHECKED	DPB	REVISIONS	
DATE	12/21/12	REVISIONS	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

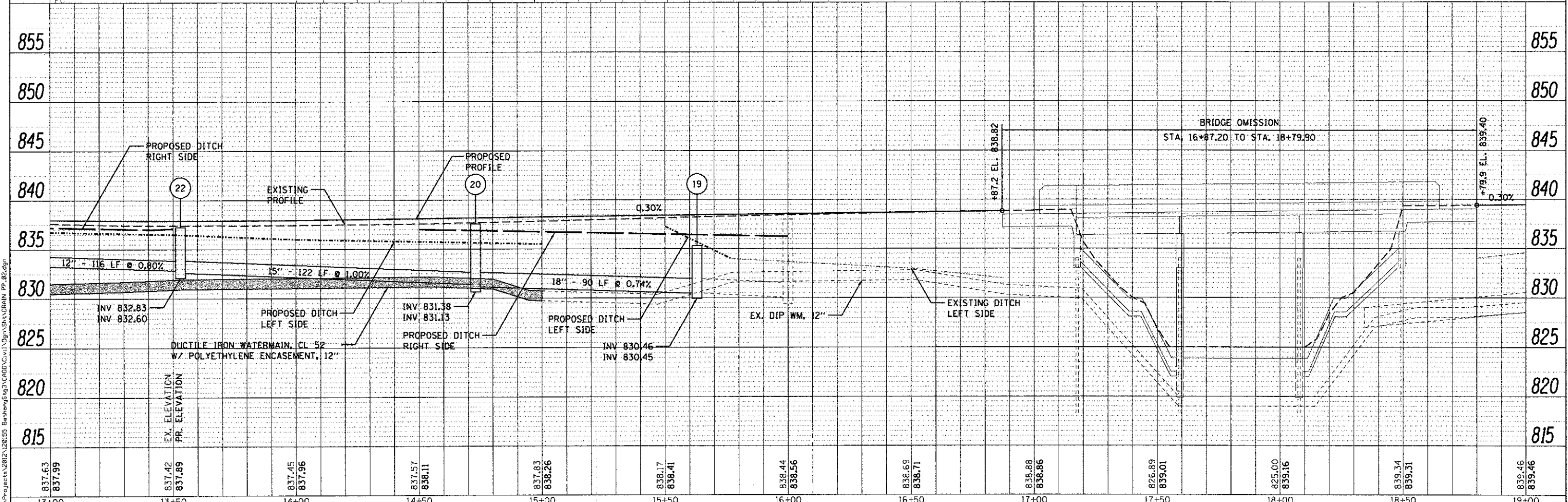
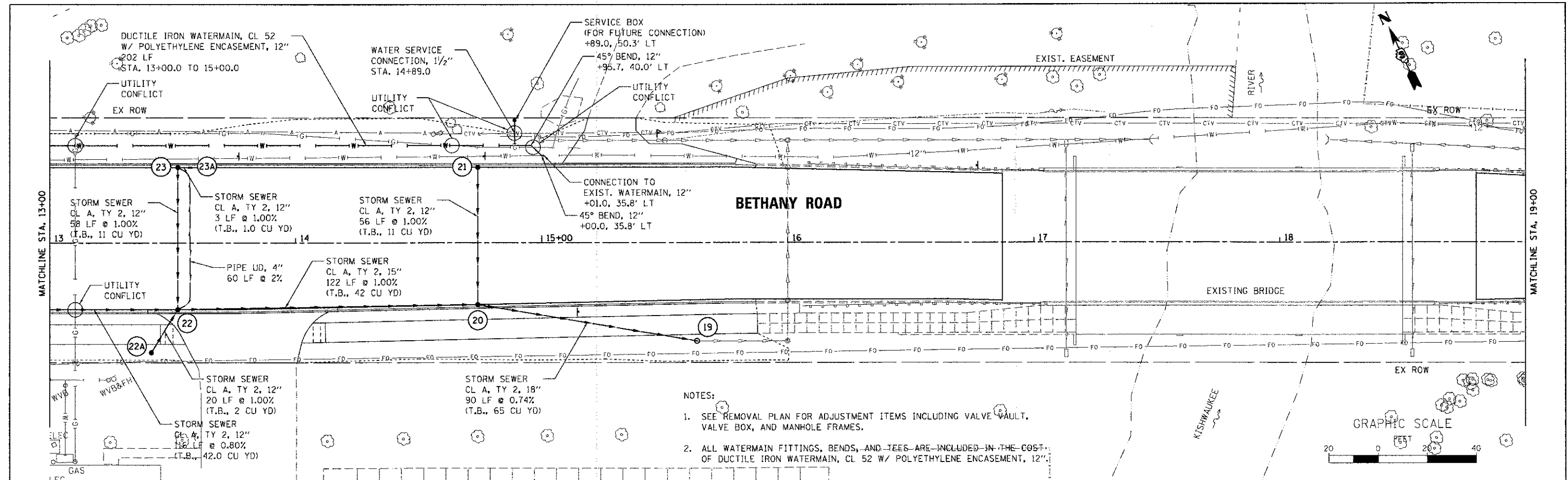
**DRAINAGE AND UTILITY
PLAN & PROFILE**

SCALE: 1"=20' SHEET NO. 1 OF 5 SHEETS STA. 10+26.17 TO STA. 13+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	42
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
APPROVED	
PLotted	
NO. OF MAX CHECKED	
FILE NAME	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
APPROVED	
PROFILE	
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FILE NAME	
PROFILE	
NOTE BOOK	
NO.	

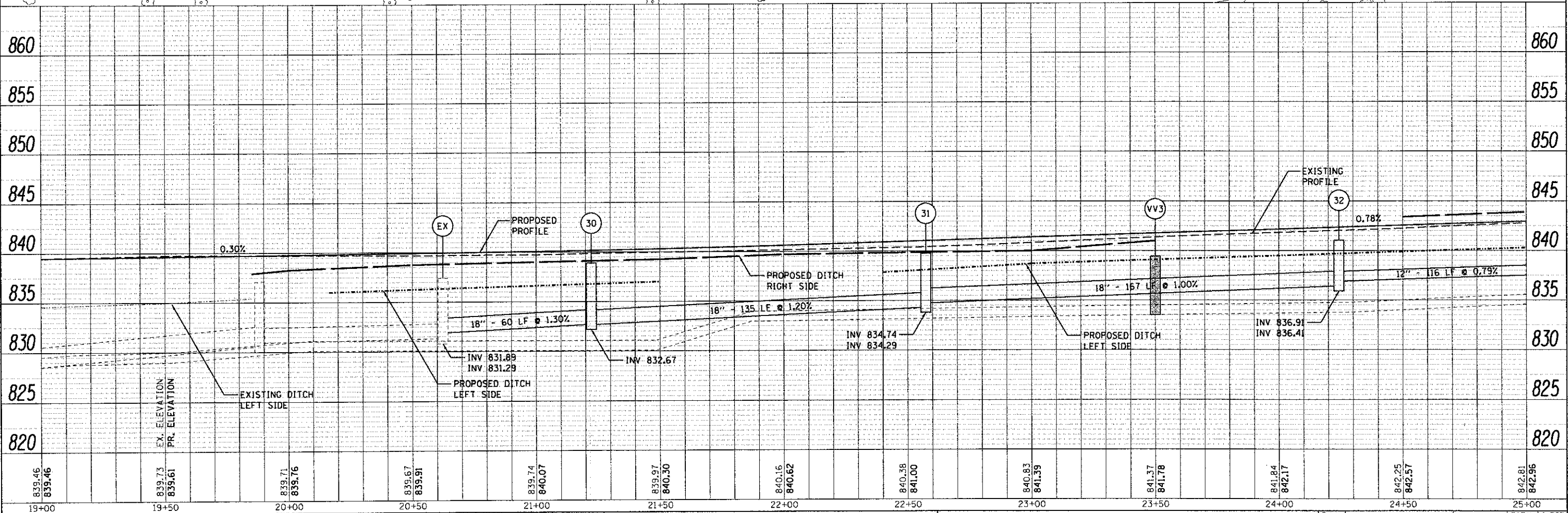
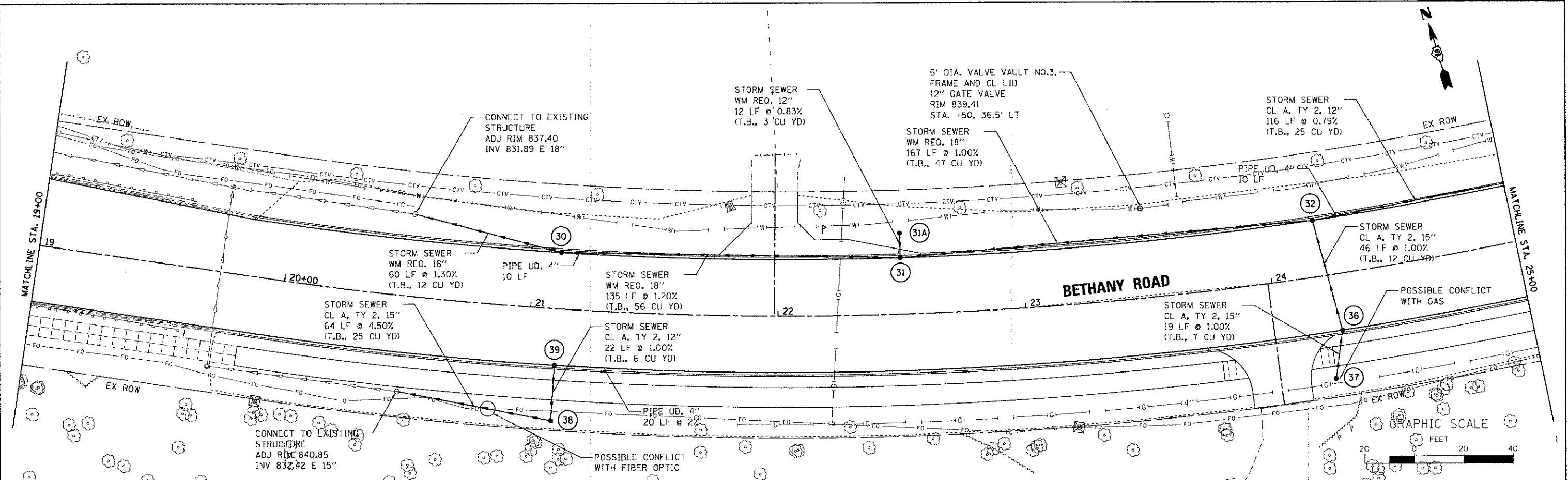


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13+00	13+50	14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00													

USER NAME = nperis	DESIGNED - JWW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN & PROFILE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 1:200	CHECKED - DPB	REVISED -		SCALE: 1"=20'	SHEET NO. 2	OF 5 SHEETS	STA. 13+00.00	TO STA. 19+00.00	5355	10-00167-01-WR	DEKALB	78	43
PLOT DATE = 12/20/2012	DATE - 12/21/12	REVISED -		CONTRACT NO. 87544	ILLINOIS FED. AID PROJECT								

DATE	
BY	
PLAN	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	
NO. 11	
NO. 12	
NO. 13	
NO. 14	
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NO. 1	
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WILLIS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME	nperris
DESIGNED	JWW
DRAWN	NDP
CHECKED	DPB
DATE	12/21/12
REVISED	
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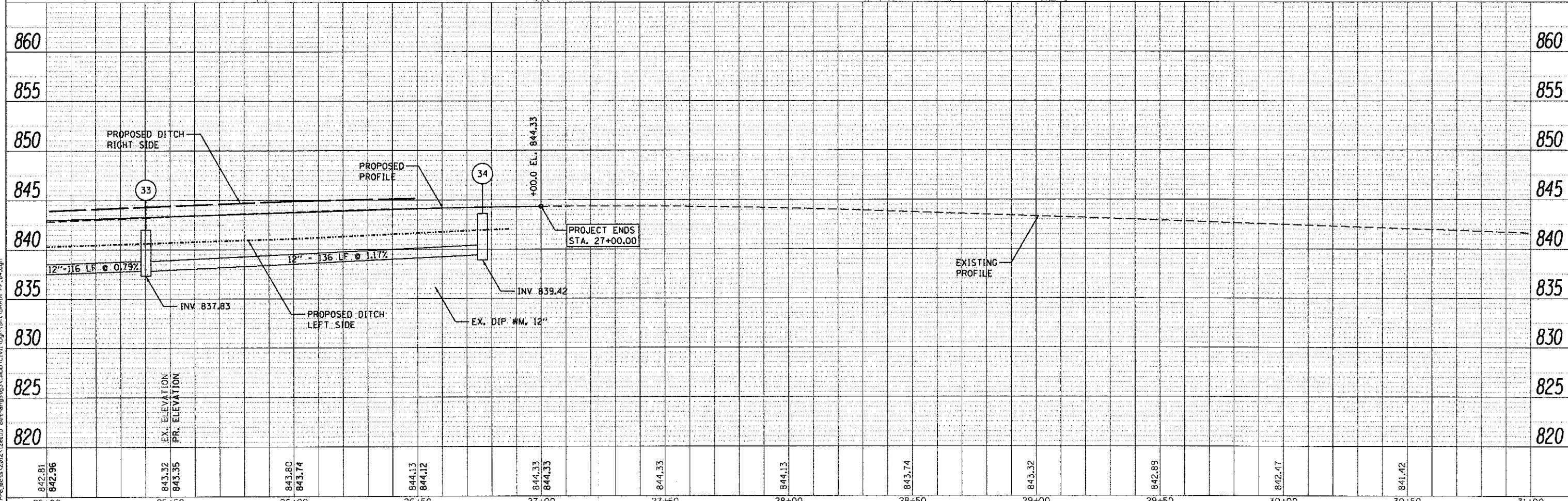
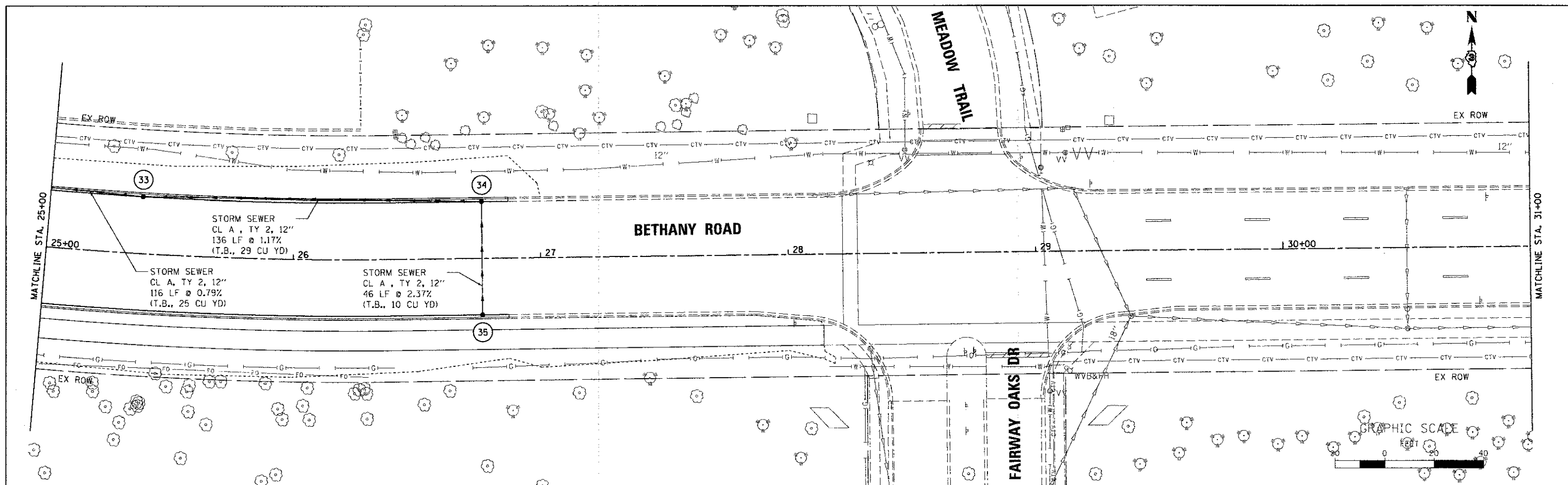
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN & PROFILE	
SCALE: 1"=20'	SHEET NO. 3 OF 5 SHEETS
STA. 19+00.00 TO STA. 25+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	44
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVIEWED	
PLANNED	
DESIGNED	
CHECKED	
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NO. OF WAY CHECKED	
STRUCTURE NOTATION	
FILE NAME	

DATE	
BY	
REVIEWED	
PLANNED	
DESIGNED	
CHECKED	
NOTED	
NO. OF WAY CHECKED	
STRUCTURE NOTATION	
FILE NAME	



842.81 842.96	843.32 843.35	843.80 843.74	844.13 844.12	844.33 844.33	844.33	844.13	843.74	843.32	842.89	842.47	841.42	
25+00	25+50	26+00	26+50	27+00	27+50	28+00	28+50	29+00	29+50	30+00	30+50	31+00

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

USER NAME = nparis	DESIGNED - JWW	REVISED -
	DRAWN - NDP	REVISED -
	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY
PLAN & PROFILE**

SCALE: 1"=20'
SHEET NO. 4 OF 5 SHEETS
STA. 25+00.00 TO STA. 27+00.00

F.A.U. RIE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 45
CONTRACT NO. 87544			ILLINOIS FED. AID PROJECT	

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NO.	STRUCTURE DESCRIPTION		STATION	OFFSET* DISTANCE	OFFSET	RIM* ELEVATION	PIPE INVERT ELEVATIONS							
							N	NE	NW	S	SW	SE	E	W
19	MANHOLE, TYPE A, 4' DIA.	TYPE 1 FRAME & GRATE, CLOSED	15+73.1	40.0	RT	838.00							830.45	830.46
20	DRAINAGE STRUCTURE, SPECIAL	TYPE 11 FRAME & GRATE	14+74.0	25.0	RT	837.68	833.21						831.13	831.38
21	INLET, SPECIAL	TYPE 11 FRAME & GRATE	14+74.0	31.0	LT	837.57				833.77				
22	CATCH BASIN, TYPE A, 4' DIA.	TYPE 1 FRAME & GRATE, OPEN	13+52.0	27.0	RT	837.34	832.89				833.80		832.60	832.83
22A	INLET, TYPE A, 2' DIA.	TYPE 8 GRATE	13+41.4	44.5	RT	837.00		834.00						
23	DRAINAGE STRUCTURE, SPECIAL	TYPE 11 FRAME & GRATE	13+52.0	31.0	LT	837.27				833.47			833.47	
23A	INLET, SPECIAL	TYPE 11 FRAME & GRATE	13+57.0	31.0	LT	837.28								833.50
24	DRAINAGE STRUCTURE, SPECIAL	TYPE 11 FRAME & GRATE	12+36.0	27.0	RT	837.81	833.90						833.76	833.76
24A	INLET, SPECIAL	TYPE 11 FRAME & GRATE	12+36.0	31.0	LT	837.73				834.48				
25	DRAINAGE STRUCTURE, SPECIAL	TYPE 11 FRAME & GRATE	11+18.0	27.0	RT	838.96	834.71						834.71	
26	DRAINAGE STRUCTURE, SPECIAL	TYPE 11 FRAME & GRATE	11+18.0	31.0	LT	838.86				835.06			835.06	
27	INLET, SPECIAL	TYPE 11 FRAME & GRATE	11+23.0	31.0	LT	838.82								835.08
30	DRAINAGE STRUCTURE, SPECIAL	TYPE 11 FRAME & GRATE	21+11.0	23.0	LT	838.97							832.67	832.67
31	DRAINAGE STRUCTURE, SPECIAL	FRAME & GRATE, SPECIAL	22+50.0	23.0	LT	839.84	834.29						834.74	834.29
31A	INLET, TYPE A, 2' DIA.	TYPE 8 GRATE	22+50.0	33.0	LT	838.00				834.39				
32	DRAINAGE STRUCTURE, SPECIAL	TYPE 11 FRAME & GRATE	24+20.0	23.0	LT	841.18				837.33			836.91	836.41
33	DRAINAGE STRUCTURE, SPECIAL	TYPE 11 FRAME & GRATE	25+38.0	23.0	LT	842.10							837.83	837.83
34	DRAINAGE STRUCTURE, SPECIAL	TYPE 11 FRAME & GRATE	26+76.3	23.0	LT	843.70				839.42				839.42
35	INLET, SPECIAL	TYPE 11 FRAME & GRATE	26+76.3	23.0	RT	844.79	840.51							
36	DRAINAGE STRUCTURE, SPECIAL	TYPE 11 FRAME & GRATE	24+25.3	23.0	RT	843.52	837.79			837.79				
37	DRAINAGE STRUCTURE, SPECIAL	TYPE 20 FRAME & GRATE	24+20.0	42.0	RT	843.00	837.98							
38	CATCH BASIN, TYPE A, 4' DIA.	TYPE 1 FRAME & GRATE, OPEN	21+11.0	45.5	RT	839.30	835.30							835.30
39	INLET, SPECIAL	TYPE 11 FRAME & GRATE	21+11.0	23.0	RT	841.26				835.52				

- IF THE STRUCTURE IS LOCATED IN CURB & GUTTER, OFFSET DISTANCES AND RIM ELEVATIONS ARE AT THE EDGE OF PAVEMENT.
- IF THE STRUCTURE IS LOCATED IN TURF, OFFSET DISTANCES AND RIM ELEVATIONS ARE TO THE CENTER OF THE LID.

FILE NAME: H:\Projects\2012\121815_Bethesda\GIS\Drawn\Drawn_SCH.dgn

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

USER NAME: nporris	DESIGNED - JWW	REVISED -
	DRAWN - NDP	REVISED -
PLOT SCALE: 1"=1'	CHECKED - DPB	REVISED -
PLOT DATE: 12/20/2012	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE STRUCTURE SCHEDULE

SCALE: N/A SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 46
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

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

WATER MAIN INSTALLATION SEQUENCE OF CONSTRUCTION:

INSTALL NEW WATER VALVE AND VAULT STA. 23+50, 26.5' LT.:

- ISOLATE EXISTING WATER MAIN FROM STA. 11+06 TO STA. 29+00 BY CLOSING WATER VALVES ON THE WEST END AT STA. 10+91 (*2277), STA. 11+06 (*1358) AND TO THE EAST NEAR MEADOW TRAIL AT STA. 28+48 (*1474), STA. 29+03 (*1413) AND STA. 29+12 (*1414).
- CUT OUT SECTION OF EXISTING WATER MAIN AND INSTALL NEW WATER VAULT AND GATE VALVE AT STA. 23+50, 36.5' LT. (SEE DRAINAGE AND UTILITY SHT.) WORK SHALL BE COMPLETED WITHIN 2 HOUR TIME PERIOD.
- KEEP NEW VALVE AT STA. 23+50 CLOSED AFTER INSTALLATION.
- RETURN THE SECTION OF WATER MAIN TO SERVICE FROM THE NEW VALVE AT STA. 23+50 EAST TO MEADOW TRAIL BY OPENING VALVES NEAR MEADOW TRAIL AT STA. 28+48 (*1474), STA. 29+03 (*1413) AND STA. 29+12 (*1414).

INSTALL NEW WATER VALVE AND VAULT STA. 10+91, 53' LT.:

- ISOLATE EXISTING WATER MAIN FROM STA. 10+80 TO STA. 10+91 AND THE NEXT VALVE NORTH ON N. FIRST STREET BY CLOSING WATER VALVES ON THE WEST END OF BETHANY RD. AT STA. 10+80 (*2278), STA. 11+06 (*2277) AND TO THE NORTH ON N. FIRST STREET (*2279).
- CUT OUT SECTION OF EXISTING WATER MAIN AND INSTALL NEW WATER VAULT AND GATE VALVE AT STA. 10+91, 53.0' LT. WORK SHALL BE COMPLETED WITHIN 2 HOUR TIME PERIOD.
- KEEP NEW VALVE AT STA. 10+91, 53' LT., STA. 10+80 (*2278) AND STA. 11+06 (*2277) CLOSED.
- RETURN THE SECTION OF WATER MAIN TO SERVICE FROM NEW VALVE AT STA. 10+91, 53' LT. TO THE NORTH BY OPENING VALVE (*2279) NORTH OF INTERSECTION.

NEW WATER MAIN INSTALLATION:

- CONSTRUCT NEW WATER MAIN FROM STA. 11+06 TO STA. 15+00 AND THE NEW WATER VALVE AND VALVE VAULT AT STA. 11+19.50.
- TEMPORARY PLUG AND CONNECT "WHIPS" (CORPORATION STOPS) AT EACH END OF NEW WATER MAIN FOR TESTING AND CHLORINATION.
- PRESSURE TEST, DISINFECT AND CHLORINATE NEW WATER MAIN.

ISOLATE AND PLUG EXISTING MAIN:

- WITH NEW VALVES AT STA. 10+91, 53' LT., STA. 23+50, 36.5' LT. AND EXISTING VALVES AT STA. 10+80 (*2278) AND STA. 11+06 (*2277) CLOSED, ISOLATE EXISTING WATER MAIN FROM STA. 10+80 TO STA. 11+06 BY CLOSING WATER VALVE AT STA. 11+06, RT. (*1357).
- DISCONNECT EXISTING WATER MAIN ON THE WEST SIDE OF "TEE" AT STA. 11+06. REMOVE PORTION OF WATER MAIN PIPE AND PROVIDE MECHANICAL JOINT PLUG, TEMPORARY THRUST BLOCK AND INSTALL CORPORATION STOP.

CONNECTION TO EXISTING WATER MAIN

- WITH EXISTING WATER MAIN ISOLATED BY CLOSED VALVES AT STA. 10+80 (*2278) AND STA. 11+06 (*1357) AND NEW VALVES AT STA. 10+91 AND STA. 23+50, REMOVE EXISTING WATER VALVE AND VALVE VAULT AT STA. 11+00 (*2277) AND 10+06 (*1358) AND ALL WATER MAIN AND FITTINGS BETWEEN THESE VALVES.
- CONSTRUCT NEW WATER MAIN FROM NEW TEE AT STA. 10+91, 33' LT. TO NEW TEE AT 11+06, 33' LT. AND WATER MAIN FROM THE NEW TEE AT STA. 11+06, 23' LT. TO CONNECTION TO EXISTING WATER MAIN AT STA. 11+06, 23' LT.
- CONNECT NEW WATER MAIN TO NEW TEE AT STA. 11+06, 33' LT. AND USING 45 DEGREE BENDS TO THE EXISTING WATER MAIN AT STA. 15+00, 33' LT.
- FLUSH WATER MAIN.
- RETURN WATER MAIN TO SERVICE BY OPENING VALVES AT WEST END AT STA. 10+90, 33' LT. (*2278), STA. 11+06 (*1357) AND THE NEW VALVES AT STA. 10+91 AND STA. 23+50.

EXISTING WATER VALVE #2279 APPROXIMATELY 1075' NORTH OF FIRE HYDRANT STA. 106+35 N. FIRST STREET (250' SOUTH OF RICH ROAD - NOT SHOWN)

SEE DRAINAGE AND UTILITY PLAN SHEETS FOR DETAILS OF WATER MAIN IMPROVEMENTS

5' DIA. VALVE VAULT, FRAME AND CL LID 12" GATE VALVE STA. +91.0, 53.0' LT

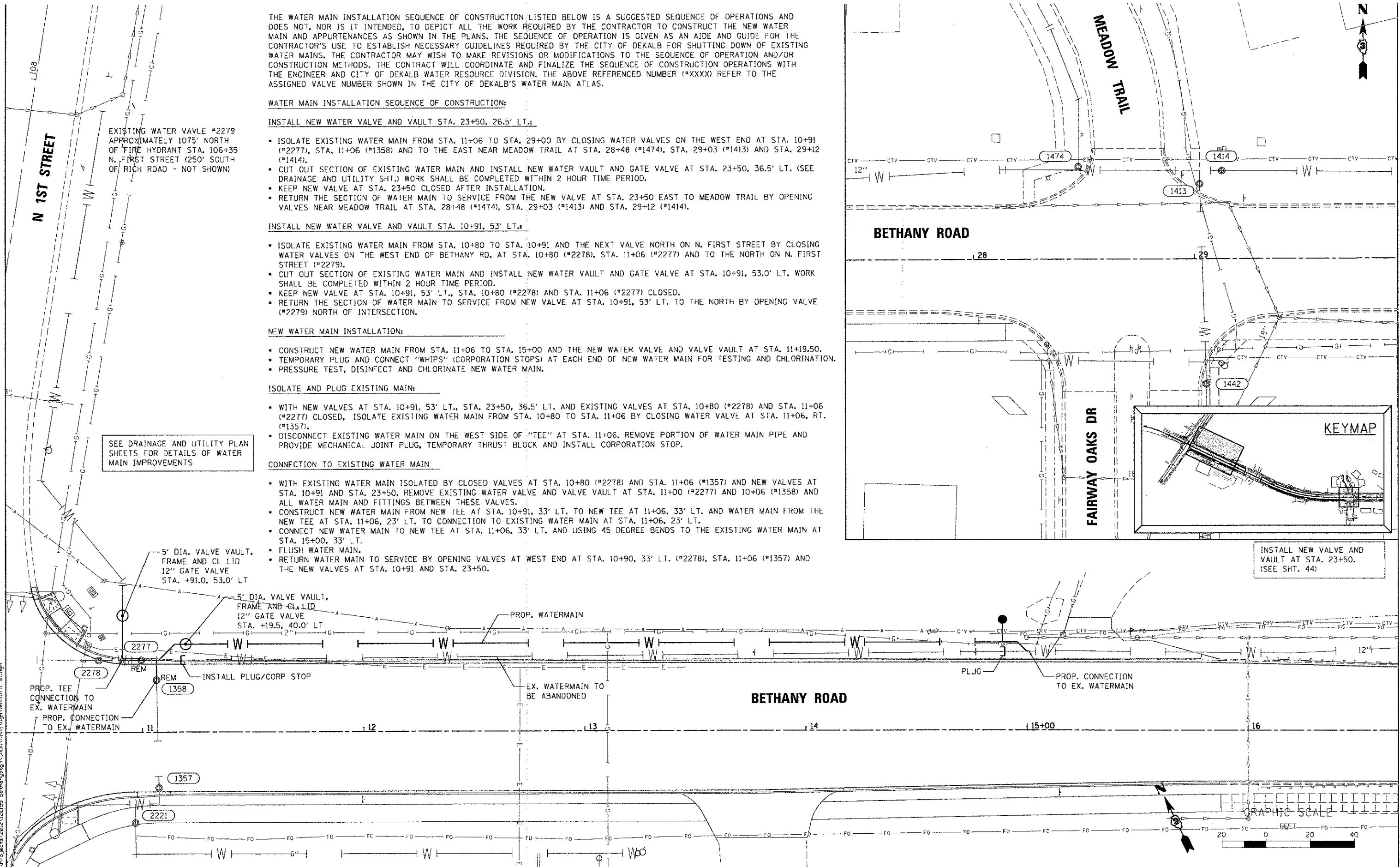
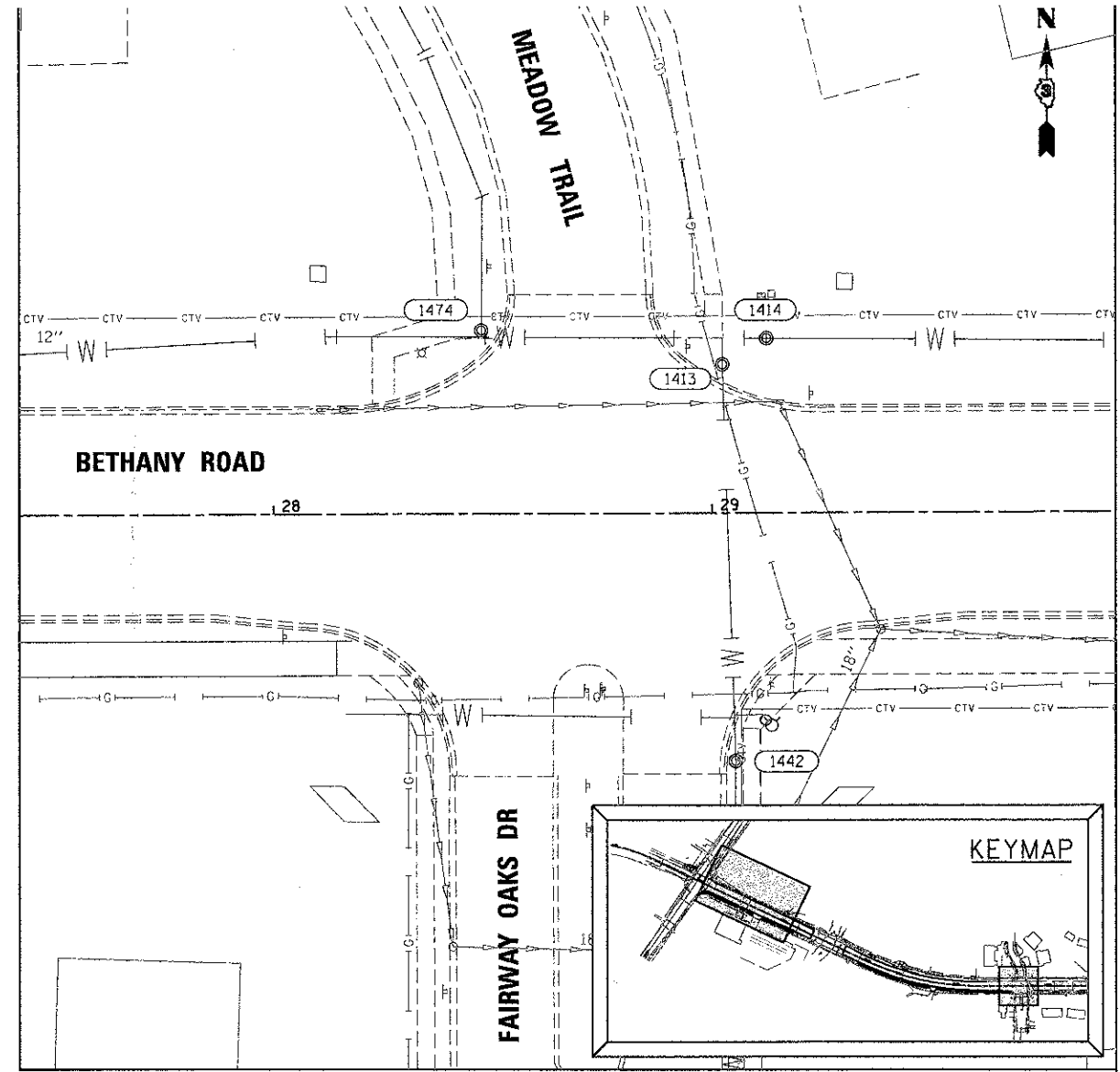
5' DIA. VALVE VAULT, FRAME AND CL LID 12" GATE VALVE STA. +19.5, 40.0' LT

PROP. WATERMAIN

EX. WATERMAIN TO BE ABANDONED

PLUG PROP. CONNECTION TO EX. WATERMAIN

INSTALL NEW VALVE AND VAULT AT STA. 23+50. (SEE SHT. 44)



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

USER NAME = npparr15	DESIGNED - SBP	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/28/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WATER MAIN SEQUENCE
OF CONSTRUCTION**

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 47
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR DROP-OFF OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: CITY OF DEKALB PUBLIC WORKS

- 8 EACH PEDESTRIAN PUSH-BUTTON
- 8 EACH PEDESTRIAN SIGNAL HEAD

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE OF REMOVE TRAFFIC SIGNAL EQUIPMENT.

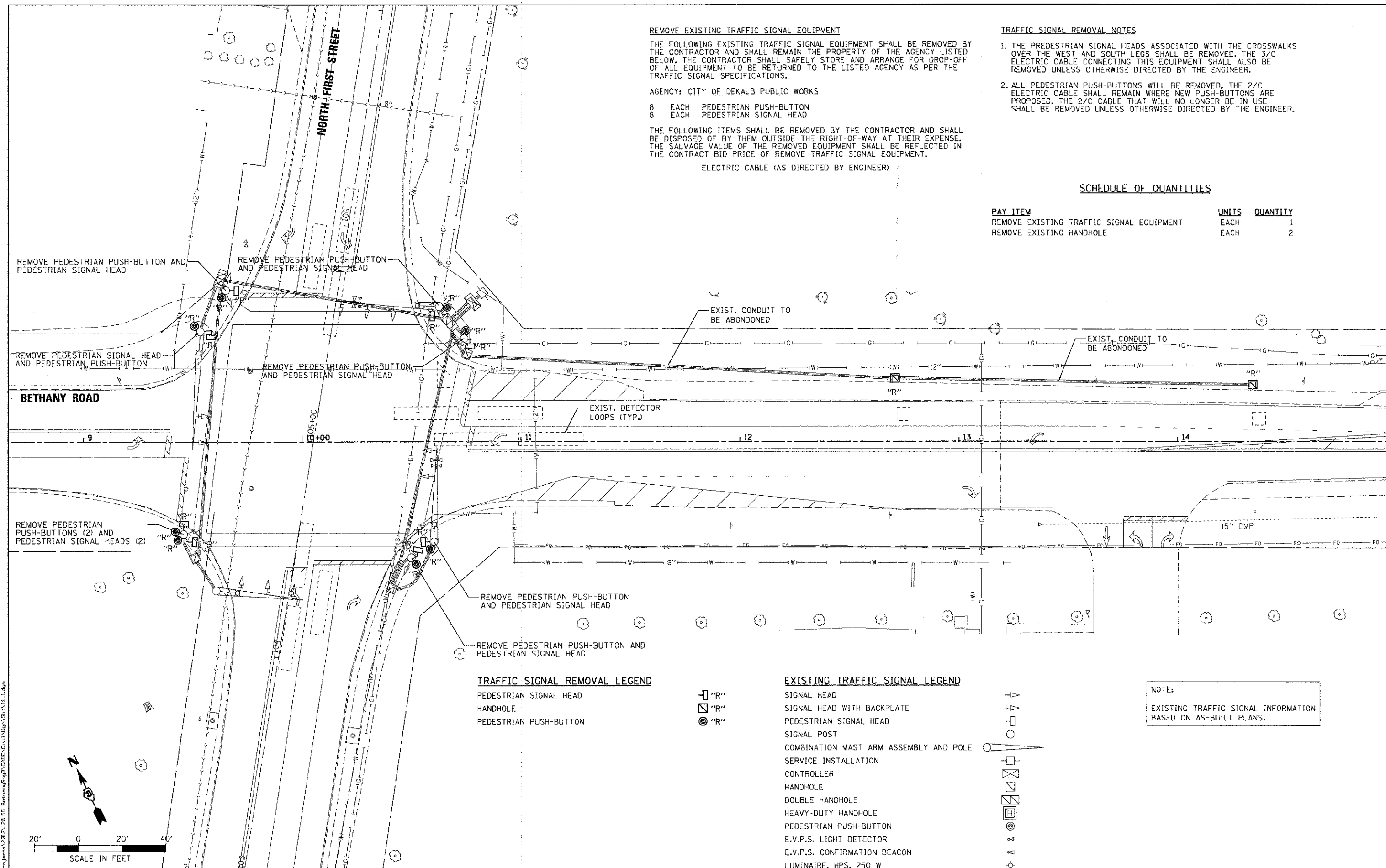
ELECTRIC CABLE (AS DIRECTED BY ENGINEER)

TRAFFIC SIGNAL REMOVAL NOTES

1. THE PEDESTRIAN SIGNAL HEADS ASSOCIATED WITH THE CROSSWALKS OVER THE WEST AND SOUTH LEGS SHALL BE REMOVED. THE 3/C ELECTRIC CABLE CONNECTING THIS EQUIPMENT SHALL ALSO BE REMOVED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. ALL PEDESTRIAN PUSH-BUTTONS WILL BE REMOVED. THE 2/C ELECTRIC CABLE SHALL REMAIN WHERE NEW PUSH-BUTTONS ARE PROPOSED. THE 2/C CABLE THAT WILL NO LONGER BE IN USE SHALL BE REMOVED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

SCHEDULE OF QUANTITIES

PAY ITEM	UNITS	QUANTITY
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2



TRAFFIC SIGNAL REMOVAL LEGEND

- "R" PEDESTRIAN SIGNAL HEAD
- "R" HANDHOLE
- ⊙ "R" PEDESTRIAN PUSH-BUTTON

EXISTING TRAFFIC SIGNAL LEGEND

- "R" SIGNAL HEAD
- "R" SIGNAL HEAD WITH BACKPLATE
- ⊙ "R" PEDESTRIAN SIGNAL HEAD
- SIGNAL POST
- ⊙ COMBINATION MAST ARM ASSEMBLY AND POLE
- ⊙ SERVICE INSTALLATION
- ⊙ CONTROLLER
- ⊙ HANDHOLE
- ⊙ DOUBLE HANDHOLE
- ⊙ HEAVY-DUTY HANDHOLE
- ⊙ PEDESTRIAN PUSH-BUTTON
- ⊙ E.V.P.S. LIGHT DETECTOR
- ⊙ E.V.P.S. CONFIRMATION BEACON
- ⊙ LUMINAIRE, HPS, 250 W

NOTE:
EXISTING TRAFFIC SIGNAL INFORMATION
BASED ON AS-BUILT PLANS.

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

USER NAME: npernis	DESIGNED: KMA	REVISED:
PLOT SCALE: 1/2"=1'	DRAWN: KMA	REVISED:
PLOT DATE: 12/20/2012	CHECKED: DPB	REVISED:
	DATE: 12/21/12	REVISED:

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

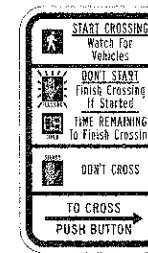
TRAFFIC SIGNAL REMOVAL PLAN

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

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 48
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL NOTES

1. THE PROPOSED PEDESTRIAN PUSH-BUTTONS IN THE NORTHWEST AND SOUTHEAST MAST ARM POLES SHALL UTILIZE THE EXISTING 2/C CABLE THAT CURRENTLY SERVES THE EXISTING PUSH-BUTTONS. THE CONTROLLER SHALL BE MODIFIED SO THAT THE PUSH-BUTTONS CALL THE APPROPRIATE PEDESTRIAN PHASE.
2. LEVEL HMA OR PCC SURFACE SHALL BE PROVIDED BETWEEN THE EDGE OF THE MULTI-USE PATH AND THE RELOCATED PEDESTRIAN PUSH-BUTTON ON THE TRAFFIC SIGNAL POSTS.
3. QUANTITY FOR FULL REPLACEMENT OF THE LEAD-IN CABLES CONNECTING THE PROPOSED DETECTOR LOOPS TO THE CONTROLLER HAS BEEN ESTIMATED. IF THE LOOPS CAN BE MADE FUNCTIONAL WITHOUT REPLACING THE LEAD-IN CABLE BETWEEN THE EXISTING HANDHOLE AND THE CONTROLLER, THEN THE PROPOSED DETECTOR LOOPS SHALL CONNECT TO THE EXISTING LEAD-IN CABLES AT THE EXISTING HANDHOLE.
4. THE UNIT DUCTS FOR DETECTOR LOOPS WILL NOT BE MEASURED FOR PAYMENT AND THE COST WILL BE CONSIDERED INCIDENTAL TO THE COST OF THE DETECTOR LOOP.
5. THE CONTRACTOR SHALL UTILIZE EXISTING CONDUIT HOLES IN THE HANDHOLE WHERE POSSIBLE TO AVOID DRILLING ADDITIONAL HOLES FOR THE PROPOSED CONDUITS AND UNIT DUCTS. UPON ENGINEER'S APPROVAL, THE CONTRACTOR MAY DRILL EXISTING HANDHOLE. THE PAY ITEM "DRILL EXISTING HANDHOLE" WILL ONLY BE PAID ONCE PER HANDHOLE, NO MATTER HOW MANY HOLES HAVE BEEN DRILLED. THE HANDHOLE SHALL BE SEALED WHERE THE PROPOSED CONDUITS AND UNIT DUCTS ENTER IT. THE SEALING WILL NOT BE MEASURED FOR PAYMENT AND WILL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONDUIT AND UNIT DUCT (DETECTOR LOOP).
6. THE PEDESTRIAN PUSH-BUTTONS AND SIGNS (MUTCD R10-3E) SHALL BE INSTALLED PERPENDICULAR TO THE DIRECTION OF THEIR RESPECTIVE CROSSWALKS.
7. THE PROPOSED PEDESTRIAN SIGNAL HEADS SHALL UTILIZE THE EXISTING 3/C CABLE THAT CURRENTLY SERVES THE EXISTING PEDESTRIAN SIGNAL HEADS.



R10-3E
9"x15"

SEE EXISTING SIGNAL PLANS IN CONTROLLER FOR LAYOUT OF EXISTING DETECTOR LOOPS.

EXIST. 3" CONDUIT

EXIST. 5" CONDUITS (2)

EXIST. 4" CONDUIT

DRILL EXISTING HANDHOLE

(3) 4' - CT
1" UD

(3) 30' - CT
1" UD

170' - T
2"

EXIST. 2-1/2" CONDUIT

BETHANY ROAD

105+00

170' TO STOP BAR

355' TO STOP BAR

SEE EXISTING SIGNAL PLANS IN CONTROLLER FOR LAYOUT OF EXISTING DETECTOR LOOPS.

PROPOSED TRAFFIC SIGNAL LEGEND

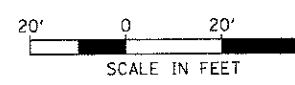
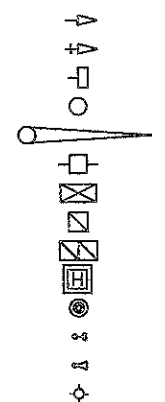
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD W/ COUNTDOWN TIMER
- HANDHOLE
- PEDESTRIAN PUSH-BUTTON
- CONDUIT
- UNIT DUCT
- COMMON TRENCH

LENGTH- P (PUSHED)
LENGTH- T (TRENCH)
DIAMETER



EXISTING TRAFFIC SIGNAL LEGEND

- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- SIGNAL POST
- COMBINATION MAST ARM ASSEMBLY AND POLE
- SERVICE INSTALLATION
- CONTROLLER
- HANDHOLE
- DOUBLE HANDHOLE
- HEAVY-DUTY HANDHOLE
- PEDESTRIAN PUSH-BUTTON
- E.V.P.S. LIGHT DETECTOR
- E.V.P.S. CONFIRMATION BEACON
- LUMINAIRE, HPS, 250 W



FILE NAME: W:\Projects\2012\120115 Bethany\53\3\CRD\Civil\1\0\gn\shx\15_2.dgn

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

USER NAME = nparr15	DESIGNED - KWA	REVISED -
PLLOT SCALE = 1:20	DRAWN - KWA	REVISED -
PLLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

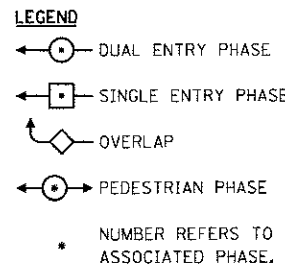
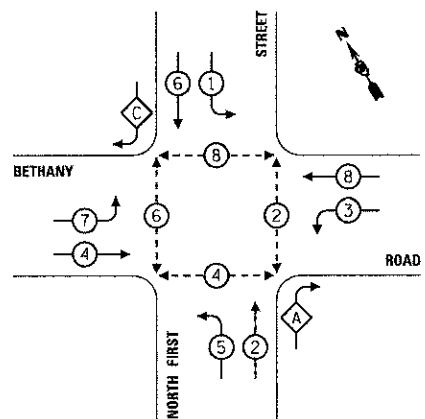
TRAFFIC SIGNAL PLAN

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

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 18	SHEET NO. 49
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

PAY ITEM	UNITS	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	353
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	100
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	100
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	290
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 3 PAIR	FOOT	814
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	1
DETECTOR LOOP, TYPE I	FOOT	489
PEDESTRIAN PUSH-BUTTON	EACH	4
MODIFY EXISTING CONTROLLER	EACH	1



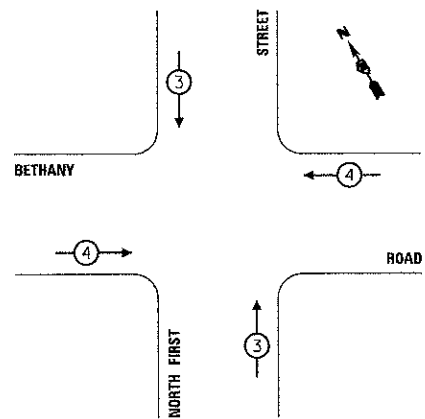
LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- ◇ OVERLAP
- ⊙ PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE.

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 +	3
C	= 6 +	7
D	= 8 +	1

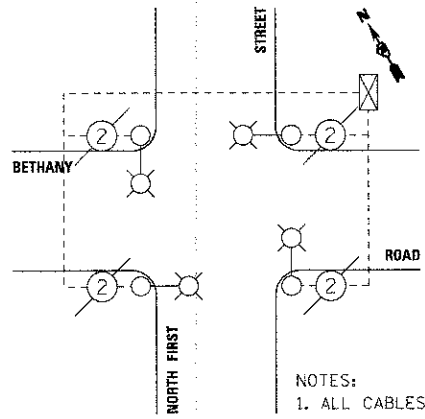
EXISTING PHASE DESIGNATION DIAGRAM

PROPOSED PHASE DESIGNATION DIAGRAM



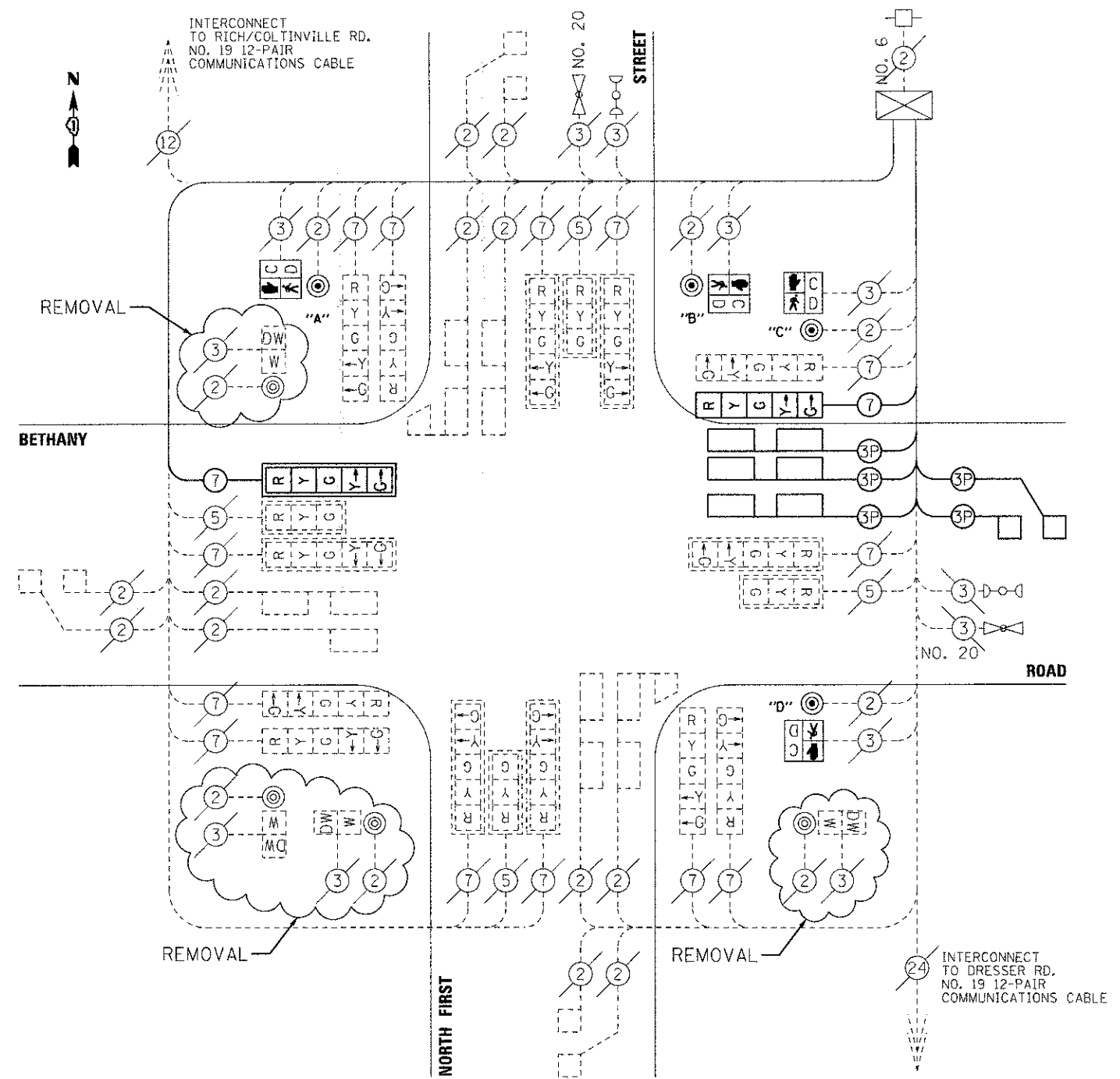
EXISTING/ PROPOSED EMERGENCY VEHICLE PREEMPTOR	
EMERGENCY VEHICLE PREEMPTOR	3 4
MOVEMENT	↓ ↑ ← →

EMERGENCY VEHICLE PREEMPTION SEQUENCE



NOTES:
 1. ALL CABLES SHOWN ARE (2) NO. 10 1/2 XLP-USE.
 2. LIGHTING CONTROLLER IS IN SIGNAL CABINET.

EXISTING STREET LIGHTING CABLE PLAN



- NOTES:**
- THE EXISTING PHASE DESIGNATION DIAGRAM, EVP SEQUENCE, AND CABLE PLANS ARE BASED ON EXISTING PLANS. THE CONTRACTOR SHALL VERIFY THE CONTROLLER SETTINGS AND WIRING AND SHALL REVISE THESE PLANS IF THERE ARE DIFFERENCES BETWEEN THESE PLANS AND WHAT IS IN PLACE.
 - PUSH-BUTTONS "A" AND "B" SHALL CALL PEDESTRIAN PHASE 8. PUSH-BUTTONS "C" AND "D" SHALL CALL PEDESTRIAN PHASE 2. ANY NECESSARY CHANGES TO THE WIRING INSIDE THE CONTROLLER CABINET SHALL BE INCLUDED IN THE COST OF "MODIFY EXISTING CONTROLLER".
 - NOMINAL QUANTITIES FOR ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C AND 3C HAVE BEEN PROVIDED TO ESTABLISH UNIT PRICES IN CASE THE EXISTING CABLE CONNECTING THE DEVICE WITH THE CONTROLLER CANNOT BE UTILIZED. THE USE OF THESE ITEMS MUST BE APPROVED BY THE ENGINEER IN WRITING.
 - THE PROPOSED "INDUCTIVE LOOP DETECTOR" IS TO ALLOW A DELAYED CALL FOR THE WESTBOUND RIGHT TURN LANE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A NEW "INDUCTIVE LOOP DETECTOR" THAT IS COMPATIBLE WITH THE EXISTING TRAFFIC SIGNAL EQUIPMENT.

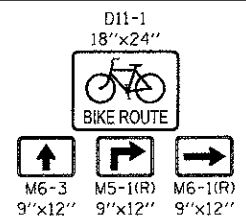
CABLE PLAN

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PLOT SCALE: 1:1	DRAWN: KMA	REVISED:
PLOT DATE: 12/20/2012	CHECKED: DPB	REVISED:
	DATE: 12/21/12	REVISED:

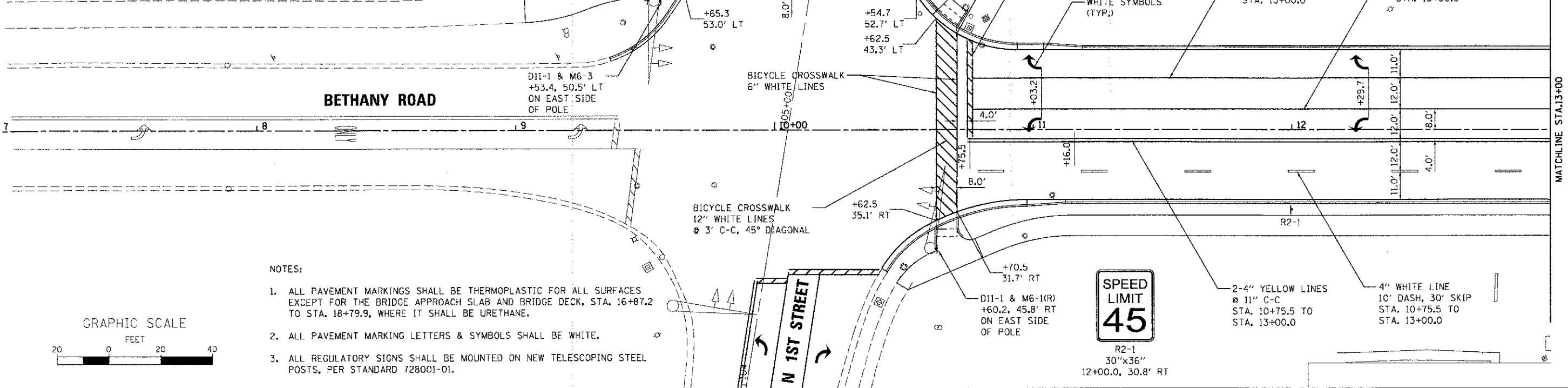
TRAFFIC SIGNAL CABLE PLAN	
SCALE: AS SHOWN	SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.J. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 50
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				



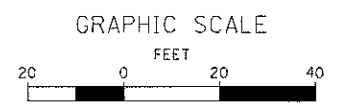
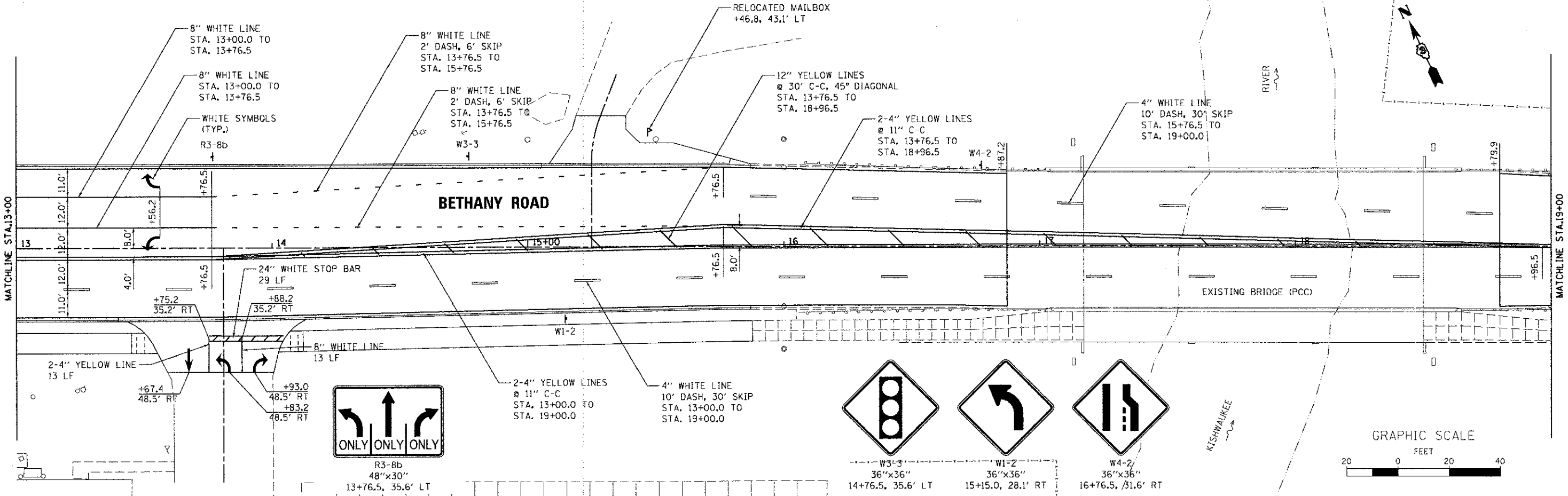
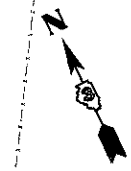
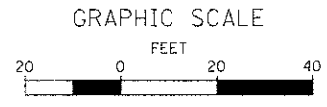
BICYCLE CROSSWALK
12" WHITE LINES
@ 3' C-C, 45° DIAGONAL
+70.3
60.9' LT
D11-1 & M5-1(R)
+53.4, 50.5' LT
ON WEST SIDE
OF POLE

BICYCLE CROSSWALK
6" WHITE LINES
+70.5
37.3' LT
+51.1
60.7' LT
24" WHITE STOP BAR
37 LF



NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC FOR ALL SURFACES EXCEPT FOR THE BRIDGE APPROACH SLAB AND BRIDGE DECK, STA. 16+87.2 TO STA. 18+79.9, WHERE IT SHALL BE URETHANE.
2. ALL PAVEMENT MARKING LETTERS & SYMBOLS SHALL BE WHITE.
3. ALL REGULATORY SIGNS SHALL BE MOUNTED ON NEW TELESCOPING STEEL POSTS, PER STANDARD 728001-01.



FILE NAME = W:\Projects\2012\12155 Bethany\Sub\CD\CD\Civil\Ugr\Sheet\PKM_01.dwg

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

USER NAME = nperis
PLOT SCALE = 1/20
PLOT DATE = 12/20/2012

DESIGNED - KMA
DRAWN - NDP
CHECKED - DPB
DATE - 12/21/12

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

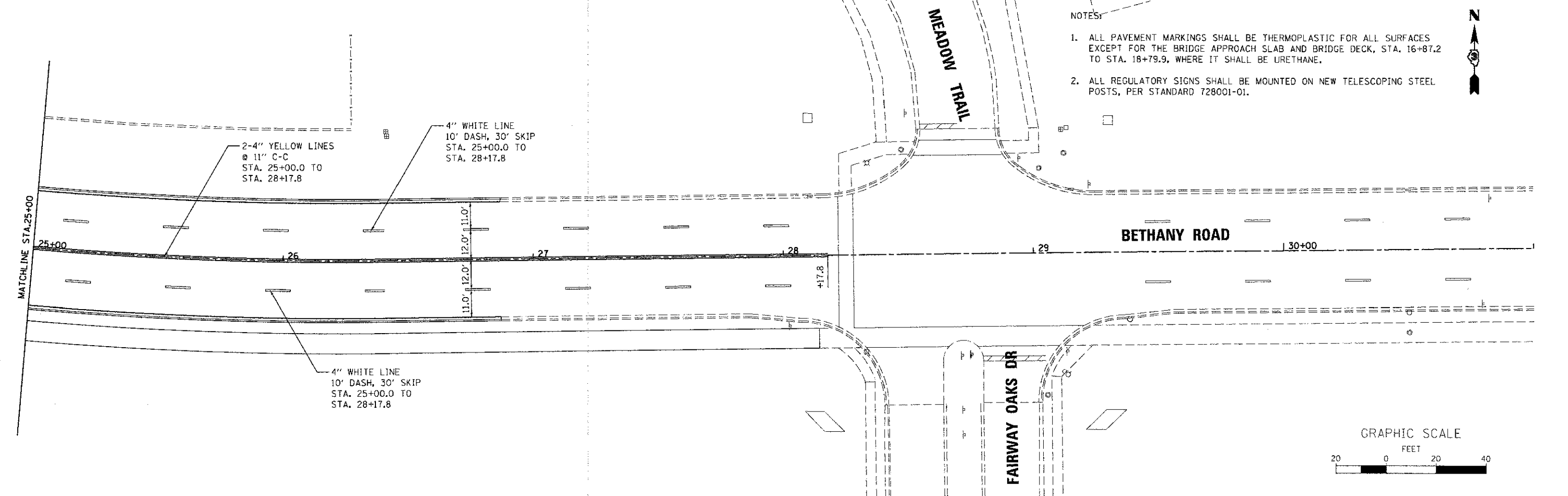
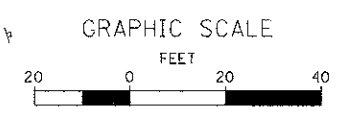
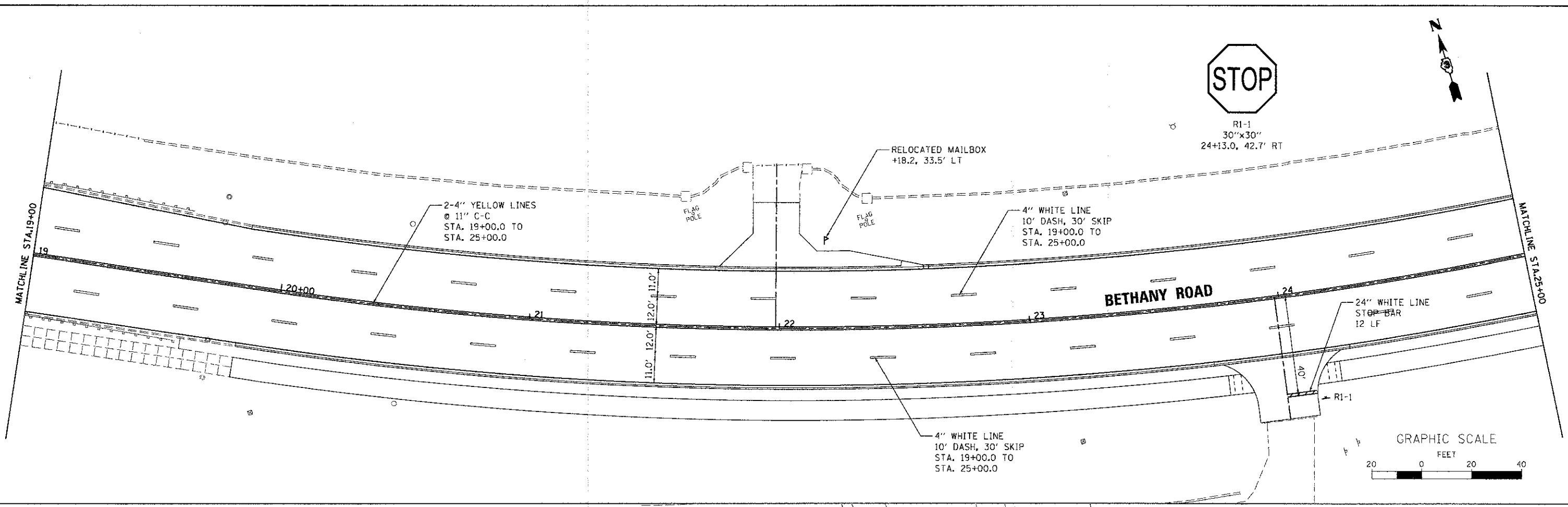
**PAVEMENT MARKING
& SIGNING PLAN**

SCALE: 1"=20' SHEET NO. 1 OF 3 SHEETS STA. 10+26.17 TO STA. 19+00.00

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 51
CONTRACT NO. 87544				ILLINOIS FED. AID PROJECT

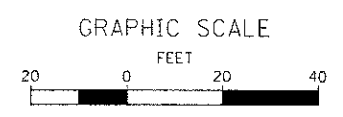


RI-1
30"x30"
24+13.0, 42.7' RT



NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC FOR ALL SURFACES EXCEPT FOR THE BRIDGE APPROACH SLAB AND BRIDGE DECK, STA. 16+87.2 TO STA. 18+79.9, WHERE IT SHALL BE URETHANE.
2. ALL REGULATORY SIGNS SHALL BE MOUNTED ON NEW TELESCOPING STEEL POSTS, PER STANDARD 728001-01.



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

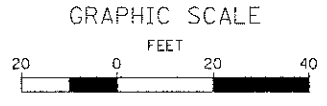
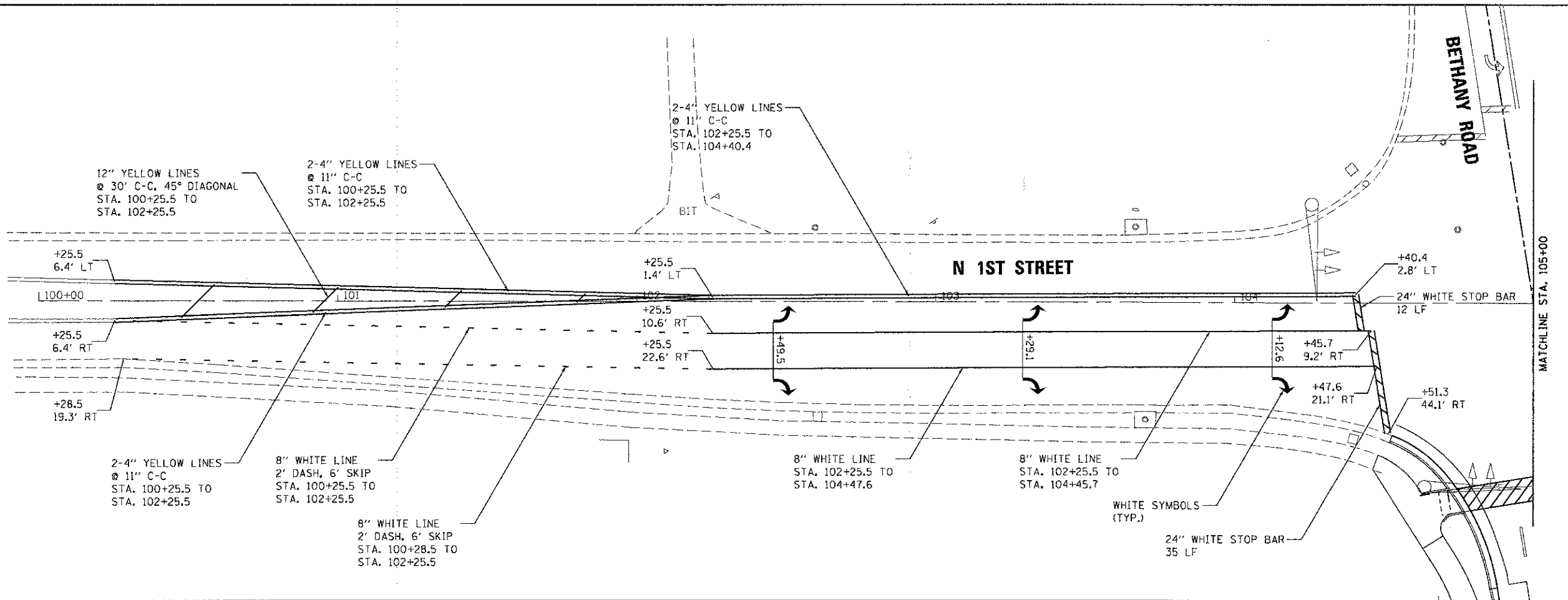
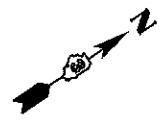
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	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING
& SIGNING PLAN**

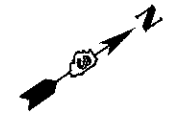
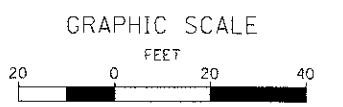
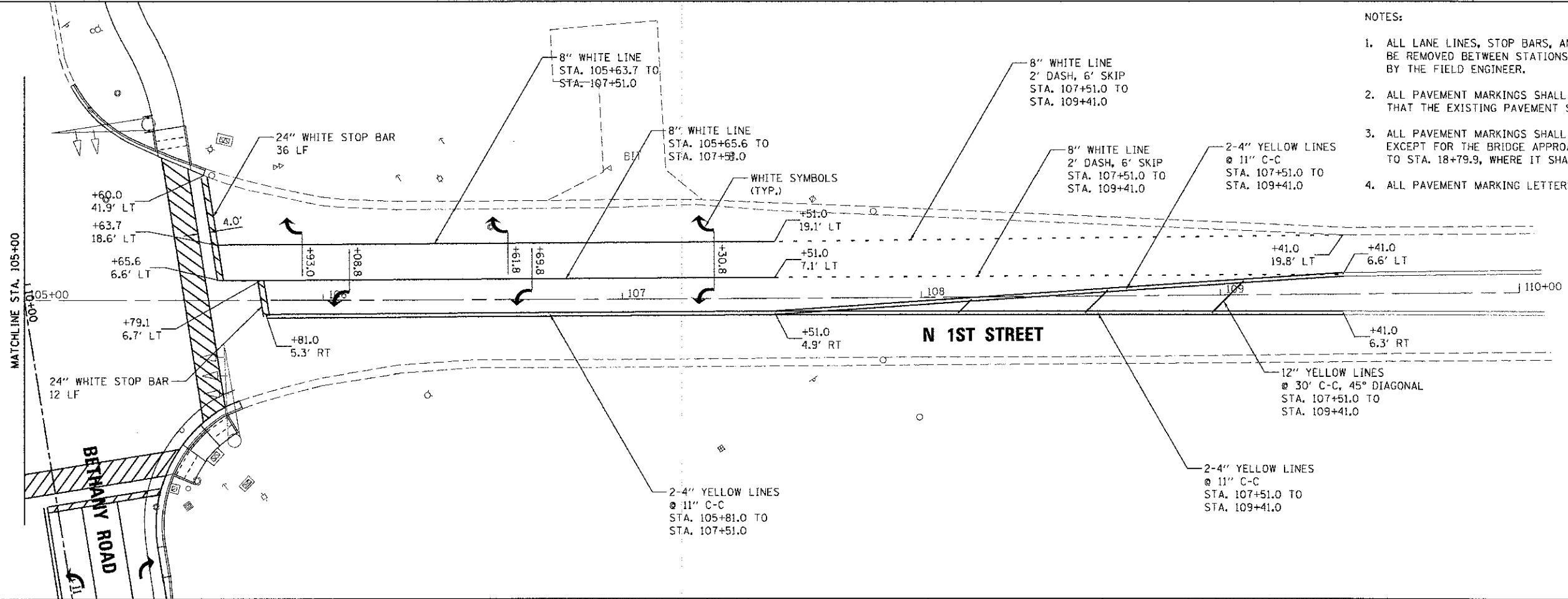
SCALE: 1"=20' SHEET NO. 2 OF 3 SHEETS STA. 19+00.00 TO STA. 27+00.00

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 52
				CONTRACT NO. 87544
ILLINOIS FED. AID PROJECT				



NOTES:

1. ALL LANE LINES, STOP BARS, AND SYMBOLS ALONG N 1ST STREET SHALL BE REMOVED BETWEEN STATIONS 100+25.4 AND 109+41.0 OR AS DIRECTED BY THE FIELD ENGINEER.
2. ALL PAVEMENT MARKINGS SHALL BE REMOVED WITH WATER SPRAY SUCH THAT THE EXISTING PAVEMENT SURFACE IS NOT DAMAGED.
3. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC FOR ALL SURFACES EXCEPT FOR THE BRIDGE APPROACH SLAB AND BRIDGE DECK, STA. 16+87.2 TO STA. 18+79.9, WHERE IT SHALL BE PAINT.
4. ALL PAVEMENT MARKING LETTERS & SYMBOLS SHALL BE WHITE.



FILE NAME: \\A:\proj\p12812128155 Bethany\535\CD\00\A\civil\Drawn\Shk\PK\82.dwg

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

USER NAME = nporris	DESIGNED - KMA	REVISED -
PLOT SCALE = 1:20	DRAWN - NDP	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

DESIGNED - KMA	REVISED -
DRAWN - NDP	REVISED -
CHECKED - DPB	REVISED -
DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING
 & SIGNING PLAN**

SCALE: 1"=20' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.D. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 53
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

MINIMUM RESTRAINT LENGTH (FT) ON BOTH SIDES OF THE FITTING				
FITTING TYPE / NOMINAL SIZE	6"	8"	12"	16"
11 1/4° BEND	2	3	4	6
22 1/2° BEND	5	6	9	11
45° BEND	10	13	18	23
90° BEND	23	30	43	56
DEAD END	31	40	57	46
TOP SIDE OF A VERTICAL OFFSET ¹	19	25	35	46
TEE RUN X BRANCH ² 6" BY	24			
TEE RUN X BRANCH ² 8" BY	22	34		
TEE RUN X BRANCH ² 12" BY	18	31	51	
TEE RUN X BRANCH ² 16" BY	14	28	48	67
REDUCER ³ 8" BY	17			
REDUCER ³ 12" BY	42	30		
REDUCER ³ 16" BY	62	54	31	

¹ ALL JOINTS WITHIN THE LOWERED SECTION OF THE WATERMAIN SHALL BE RESTRAINED OR SHALL BE SOLID PIPE. THE ABOVE DISTANCES REFLECT THE REQUIRED RESTRAINT DISTANCE ON THE NORMALLY ELEVATED WATERMAIN EITHER SIDE OF THE 45° FITTING OF THE VERTICAL OFFSET (OR LOWERING)

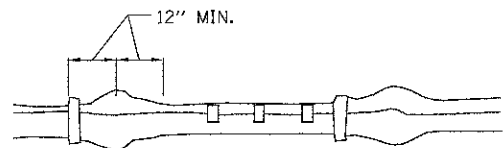
² MINIMUM OF 8 FT SOLID PIPE IS REQUIRED ON BOTH SIDES OF THE FITTING ON THE RUN SIDE. DISTANCE INDICATES THE LENGTH OF RESTRAINT ON THE BRANCH SIDE OR THE SIDE PERPENDICULAR TO THE TEE RUN WATERMAIN.

³ INDICATES THE DISTANCE FROM THE LARGER END OF THE REDUCER.

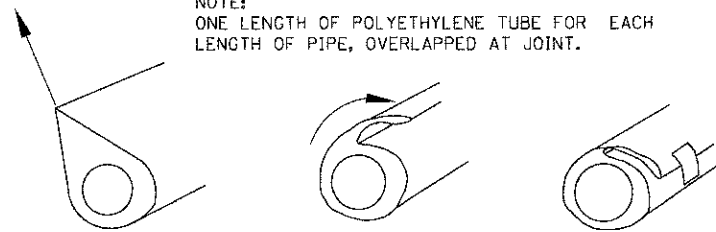
NOTES:

- 1) ALL NUTS AND BOLTS SHALL BE STAINLESS STEEL.
- 2) THE ENTIRE RESTRAINT SYSTEM FROM THE FITTING TO THE MINIMUM RESTRAINT DISTANCE MUST BE INSPECTED BY THE CITY OF DEKALB OR ITS REPRESENTATIVE PRIOR TO BACKFILLING.

WATERMAIN RESTRAINT LENGTH TABLE



NOTE:
ONE LENGTH OF POLYETHYLENE TUBE FOR EACH LENGTH OF PIPE, OVERLAPPED AT JOINT.



TAKE UP SLACK ON THE TUBE ALONG THE BARREL OF THE PIPE TO MAKE A SNUG, BUT NOT TIGHT, FIT.

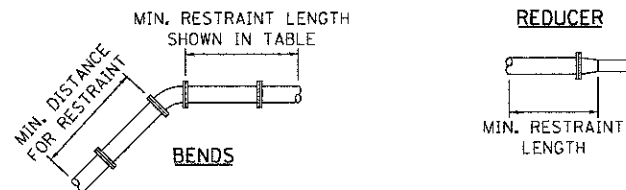
FOLD EXCESS POLY-ETHYLENE BACK OVER THE TOP OF THE PIPE.

SECURE THE FOLD AT SEVERAL LOCATIONS ALONG THE PIPE BARREL (APPROX. EVERY THREE FEET).

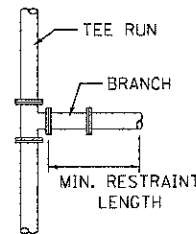
NOTE:
REPAIR ALL SMALL RIPS, TEARS OR OTHER TUBE DAMAGE WITH ADHESIVE TAPE.

POLYETHYLENE ENCASEMENT

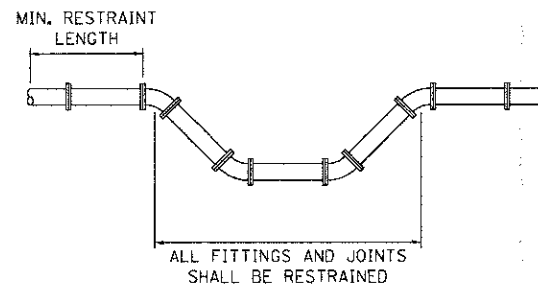
N.T.S.



TEES



VERTICAL OFFSET

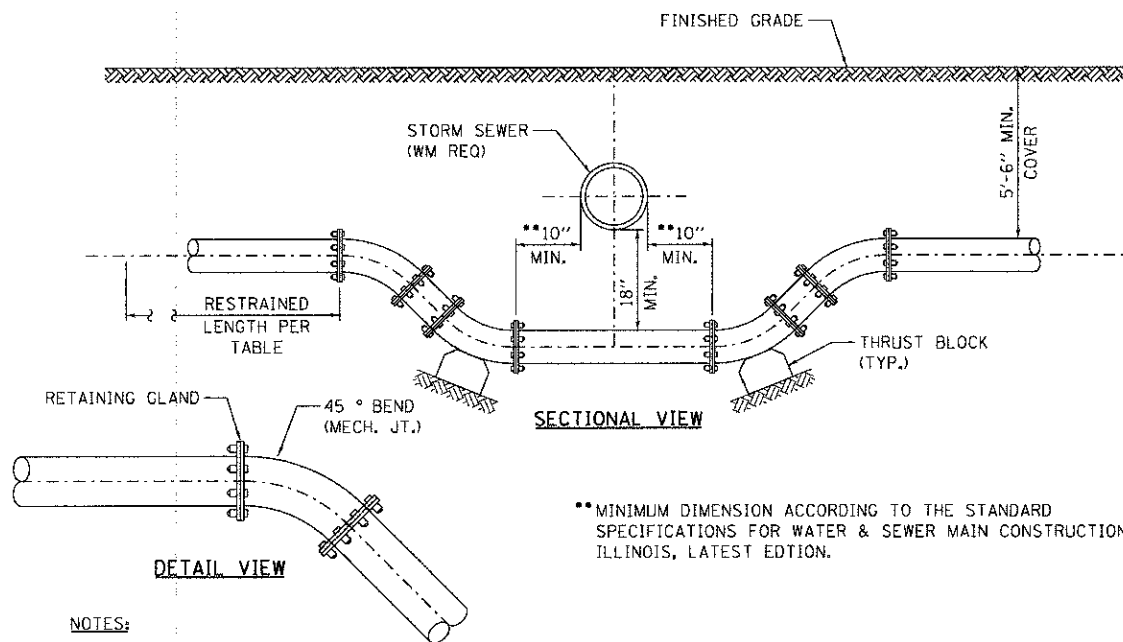


NOTES:

- 1) THE EXACT LENGTHS FOR RESTRAINTS ARE SHOWN IN THE WATERMAIN RESTRAINT LENGTH TABLE SHOWN IN THESE PLANS.

WATERMAIN RESTRAINT DETAIL

N.T.S.

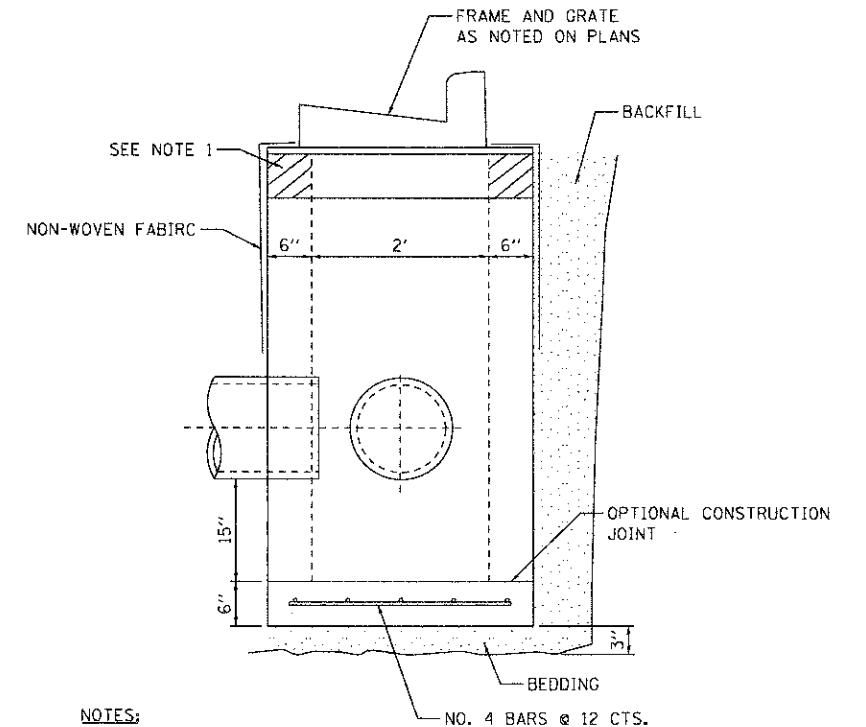
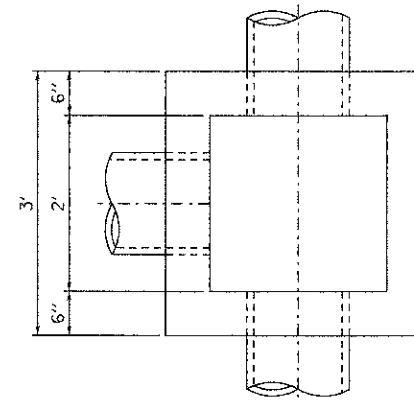


NOTES:

- 1) FOR SIZES LARGER THAN 16", SPECIAL DESIGN WILL BE REQUIRED.
- 2) THE MECHANICAL JOINTS SHALL BE RESTRAINED WITH THE MEGALUG SERIES 1100 AS MANUFACTURED EBBA IRON INC. OR APPROVED EQUAL. ALSO, THE BELL AND SPIGOT JOINTS SHALL BE RESTRAINED ON EITHER SIDE OF THE MECHANICAL JOINTS BY EBBA IRON 1700 SERIES RESTRAINT OR APPROVED EQUAL AND THE RESTRAINT DISTANCE SHALL BE IN ACCORDANCE WITH THE WATERMAIN RESTRAINT LENGTH TABLE AND WATERMAIN RESTRAINT DETAIL SHOWN IN THESE PLANS.

WATERMAIN ADJUSTMENT DETAIL

N.T.S.



NOTES:

1. THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6" SHORT TO ALLOW FOR FIELD ADJUSTMENTS. THE ADJUSTMENTS SHALL BE MADE WITH SQUARE ADJUSTMENT RINGS OF THE SAME DIMENSIONS OF THE STRUCTURE.
2. THE INLET SHALL BE CAST-IN-PLACE OR PRECAST AND SHALL CONSTRUCTED WITH CLASS SI CONCRETE THROUGHOUT. THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTED SECTIONS.
3. THE TOP OF THE STRUCTURE SHALL BE WRAPPED WITH A CONTINUOUS NON-WOVEN FABRIC MADE UP OF POLYPROPYLENE FIBERS (ADS 4420). THE FABRIC SHALL OVERLAP THE LIB OF THE FRAME BY 6" AND EXTEND DOWNWARD 30" BELOW THE BOTTOM OF THE FRAME.
4. THE ONLY BEDDING AND BACKFILL MATERIAL THAT WILL BE ALLOWED IS 3/8" OR 5/8" CHIPS OR WASHED CONCRETE STONE. THE STRUCTURE SHALL BE BACKFILLED TO THE HEIGHT OF 2" BELOW THE BOTTOM OF THE CASTING FLANGE.
5. ALL VOIDS AROUND THE PIPE ENTRANCE SHALL BE SEALED WITH MORTAR ON BOTH INSIDE AND OUTSIDE.
6. EXCEPT AS NOTED HEREON, INLET SPECIAL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS OMITTING ARTICLES 602.05 AND 602.06.
7. STEPS SHALL BE OMITTED WHEN THE DEPTH OF THE INLET IS LESS THAN 5 FEET.
8. HOLES SHALL BE MADE FOR UNDERDRAINS AND/OR SUMP LINES PER PLAN LOCATIONS DURING PRECAST PROCESS.

DRAINAGE STRUCTURE SPECIAL

N.T.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UTILITY DETAILS

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

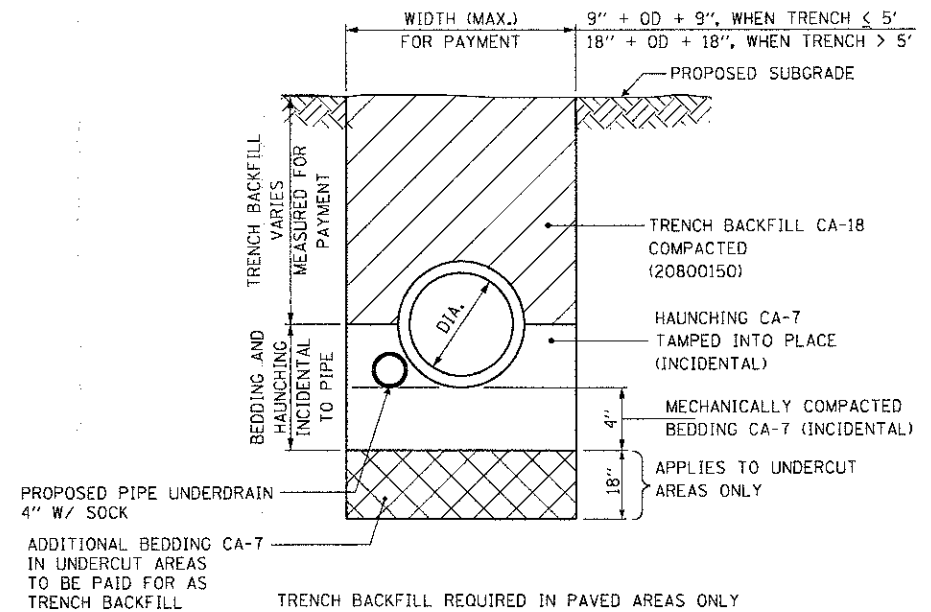
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	DATE = 12/21/12	REVISED -

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	54
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

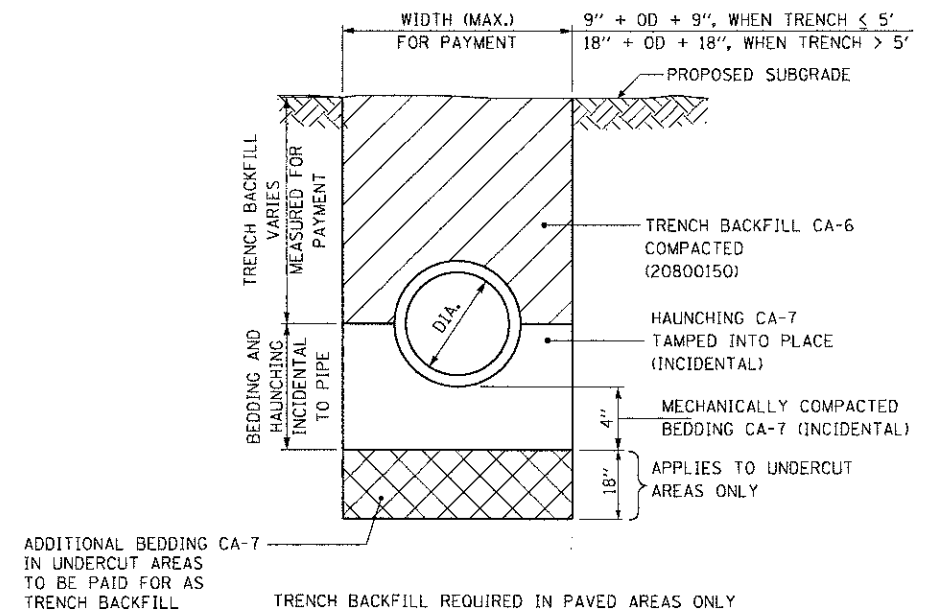
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- TRENCH BACKFILL REQUIRED IN PAVED AREAS ONLY
1. NO TRENCHBACKFILL WILL BE COMPUTED FOR THE PIPE UNDERDRAIN THAT IS IN THE SAME TRENCH AS THE STORM SEWER.

**PROPOSED TRENCH – STORM SEWER
WITH UNDERDRAIN DETAIL**
SEE PLANS FOR UNDERDRAIN LOCATIONS
N.T.S.



- TRENCH BACKFILL REQUIRED IN PAVED AREAS ONLY
1. NO TRENCHBACKFILL WILL BE COMPUTED FOR THE PIPE UNDERDRAIN THAT IS IN THE SAME TRENCH AS THE STORM SEWER.

PROPOSED TRENCH – STORM SEWER
N.T.S.

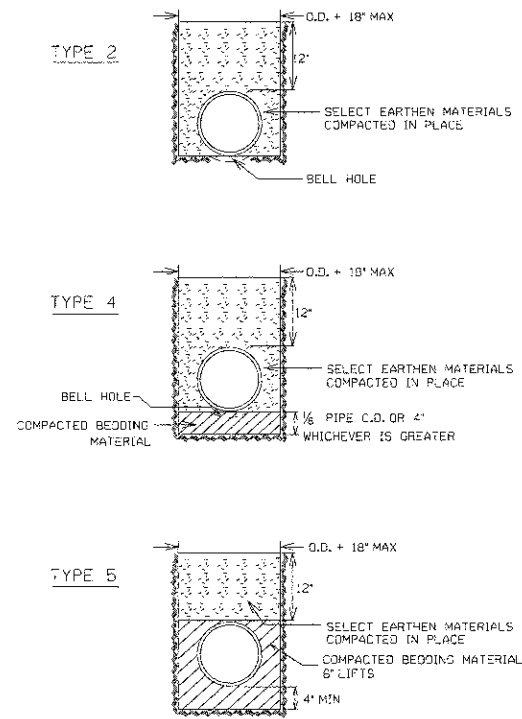
WILKS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nperis	DESIGNED -	REVISED -
	DRAWN - NDP	REVISED -
PLOT SCALE = 1:20	CHECKED - DPB	REVISED -
PLOT DATE = 12/26/2012	DATE - 12/21/12	REVISED -

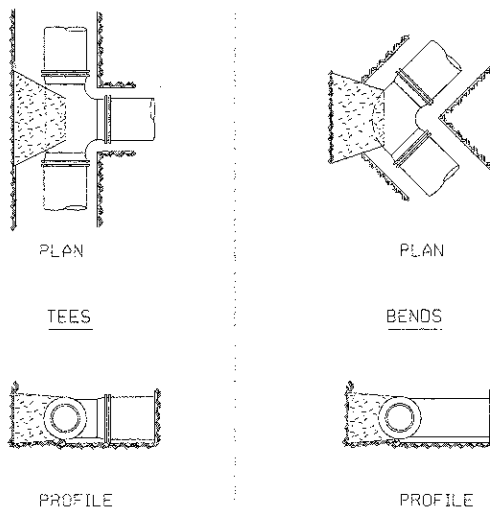
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

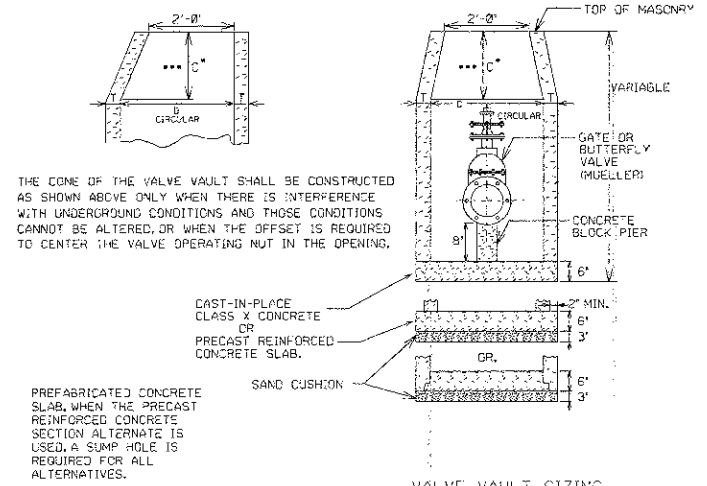
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	55
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				



THE COST OF THE PIPE BEDDING SHALL BE INCIDENTAL TO CONSTRUCTION AND INCLUDED IN THE CONTRACT UNIT PRICE PER LINEAL FT. OF THE RESPECTIVE SIZE OF WATER MAIN. BEDDING TO BE USED SHALL BE AS SET FORTH IN THE SPECIAL PROVISIONS.



ALL THRUST BLOCKING SHALL BE SOLID CONCRETE BLOCKS 6"x8"x16" IN SIZE. ALL FITTINGS UP TO 12" IN SIZE SHALL HAVE MIN. DIMENSIONS OF 8"x6" AT THE POINT OF CONTACT WITH UNDISTURBED EARTH. ADDITIONAL THREADED RODS AND RETAINER GLANDS SHALL BE USED IF THE SITUATION REQUIRES THESE. POURED THRUST BLOCKING MUST BE APPROVED BY THE WATER RESOURCES DIVISION.



ALTERNATE MATERIALS FOR WALLS	D	C	T	MIN.
CONCRETE MASONRY UNITS	4'-0"	2'-6"	3'	3'
CAST-IN-PLACE CONCRETE	4'-0"	2'-6"	3'	3'
PRECAST REINFORCED CONCRETE SECTIONS	4'-0"	2'-6"	3'	3'

DIA. OF WATER MAIN	DIA.
8 INCHES AND UNDER	4'-0"
8 INCHES TO 14 INCHES	5'-0"
16 INCHES AND OVER	6'-0"

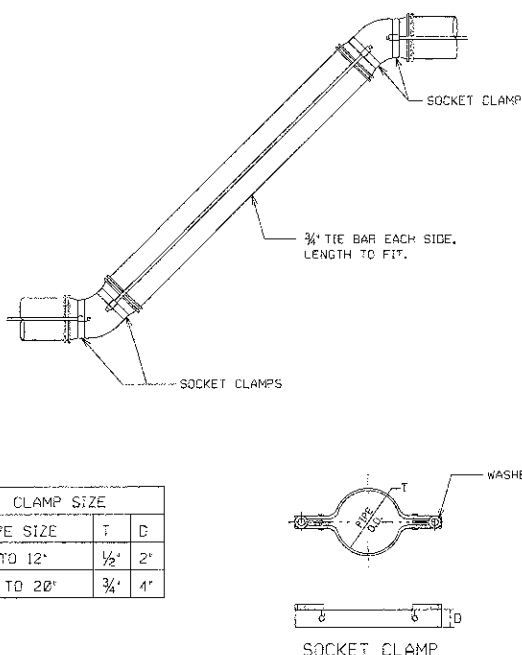
DIA. OF WATER MAIN FOR WET TAPS	DIA.
8 INCHES AND UNDER	5'-0"
16 INCHES AND OVER	6'-0"

NOTES:
 THE VALVE VAULT SHALL BE CONSTRUCTED SO AS TO CENTER THE VALVE OPERATING NUT UNDER THE VALVE OPENING.
 * DIMENSION 'C' FOR PRECAST REINFORCED CONCRETE SECTIONS MAY VARY FROM THE DIMENSION GIVEN TO PLUS 6 INCHES.
 *** FOR OPTIONAL PRECAST REINFORCED CONCRETE FLAT TOP SLAB, REFER TO STANDARD WM-385.
 WHERE THE WATERMAIN PASSED THROUGH THE VAULT WALL, THE WATERMAIN SHALL BE WRAPPED WITH 4 DOUBLE THICKNESS OF #15 ROOFING FELT.

STANDARD DETAIL FOR WATER MAIN BEDDING
 REVISIONS FOR 1/15/03
 CITY OF DEKALB WATER MAIN STANDARD WM-300

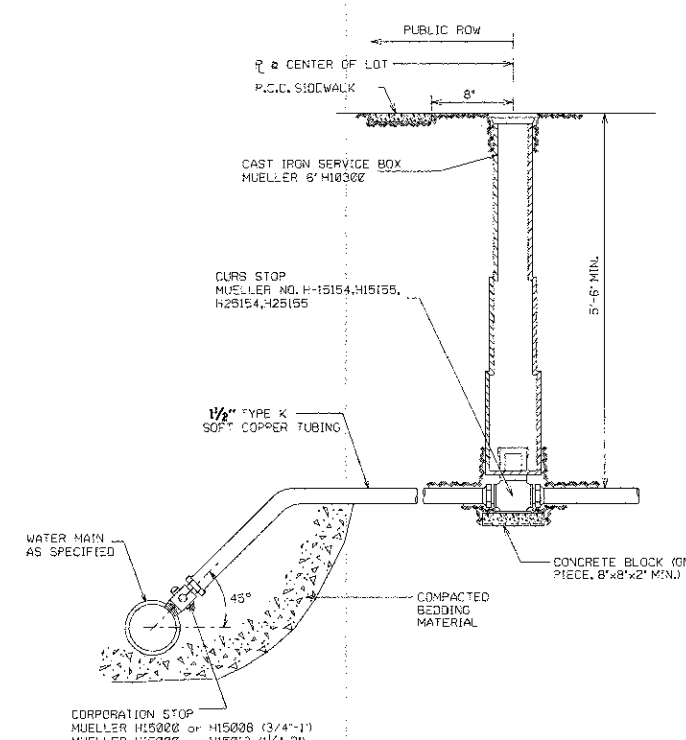
STANDARD DETAIL FOR WATER MAIN THRUST BLOCKING
 REVISIONS FOR 1/15/04
 CITY OF DEKALB WATER MAIN STANDARD WM-301

STANDARD DETAIL FOR VALVE VAULTS, TYPE A
 REVISIONS FOR 1/15/04
 CITY OF DEKALB WATER MAIN STANDARD WM-303

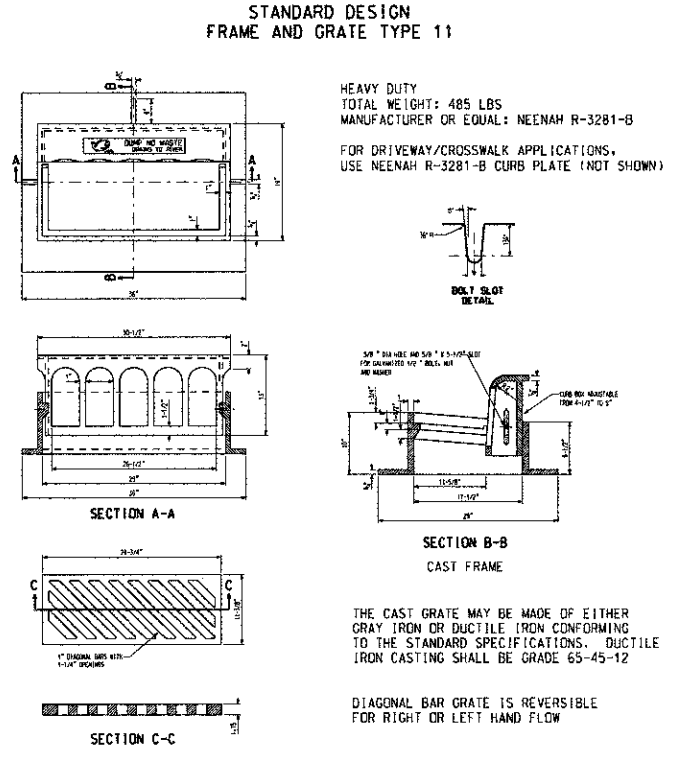


CLAMP SIZE	T	D
PIPE SIZE		
4" TO 12"	1/2"	2"
16" TO 20"	3/4"	4"

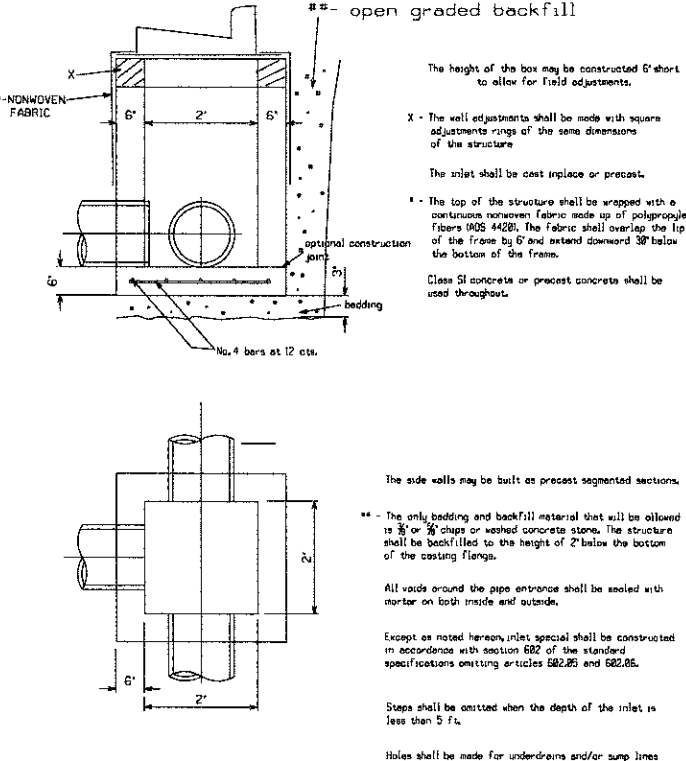
ALL COMPONENTS OF THE TIE BARS AND CLAMPS SHALL BE GALVANIZED OR OTHERWISE RUST-PROOFED AS APPROVED BY THE ENGINEER.



STANDARD DETAIL FOR HOUSE WATER SERVICE
 REVISIONS FOR 1/15/04
 CITY OF DEKALB WATER MAIN STANDARD WM-312



STANDARD DETAIL FOR BARRIER CURB FRAME AND GRATE (STATE TYPE 11)
 REVISIONS 01-08-01 CEN
 CITY OF DEKALB STORM SEWER STANDARD SS-206



STANDARD DETAIL FOR INLET SPECIAL
 REVISIONS 03/30/01 MCB
 CITY OF DEKALB STORM SEWER STANDARD SS-208

FILE NAME: W:\Projects\2012\120155 Bethony\55g\A\040\0\Civil\Dgn\Shk\DF-3.dgn

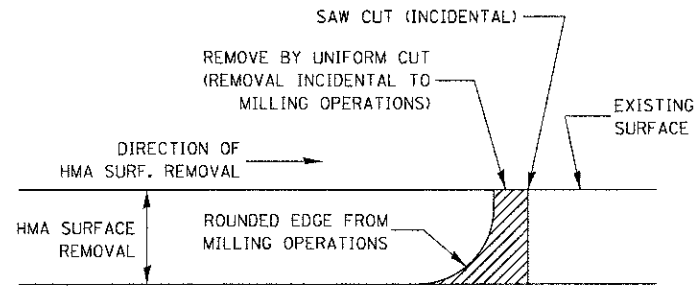
WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = npperris	DESIGNED -	REVISED -
PLDT SCALE = 1:20	DRAWN - NDP	REVISED -
PLDT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

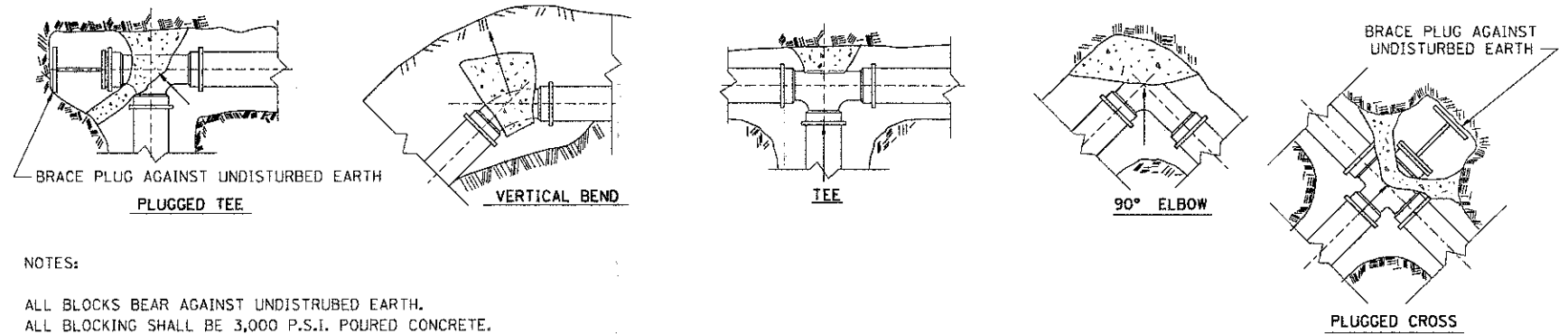
F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 56
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				



NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS

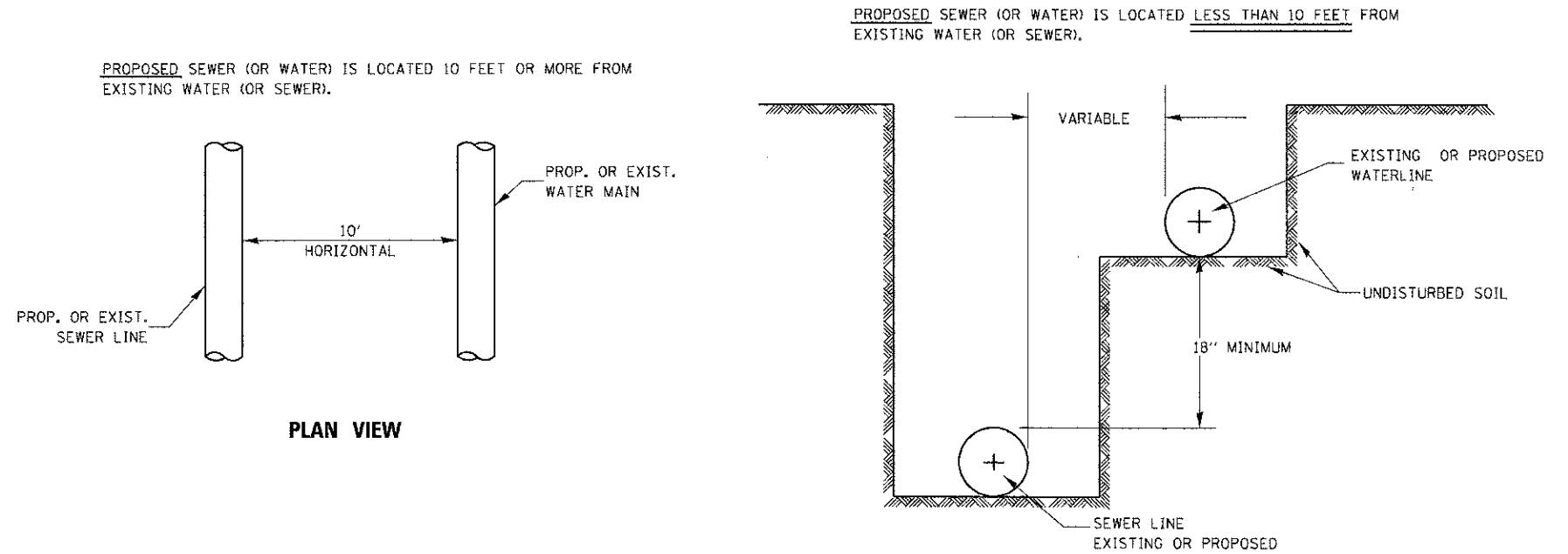
406-8



NOTES:
ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH.
ALL BLOCKING SHALL BE 3,000 P.S.I. POURED CONCRETE.
ARROWS INDICATE DIRECTION OF THRUST.
ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

TYPICAL THRUST BLOCK INSTALLATIONS

561-5



WATER AND SEWER SEPARATION REQUIREMENTS – HORIZONTAL SEPARATION

563-3

FILE NAME = \\s:\projects\2012\120195 - Becheny\53\CD00\Civil\1\Drawings\406-8.dwg

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

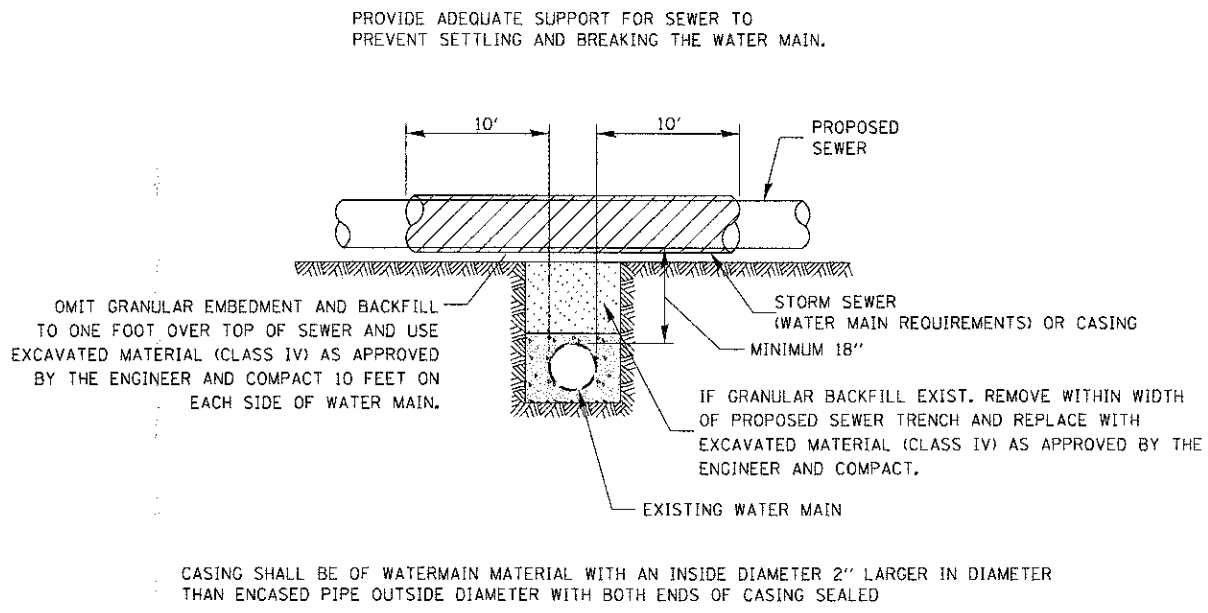
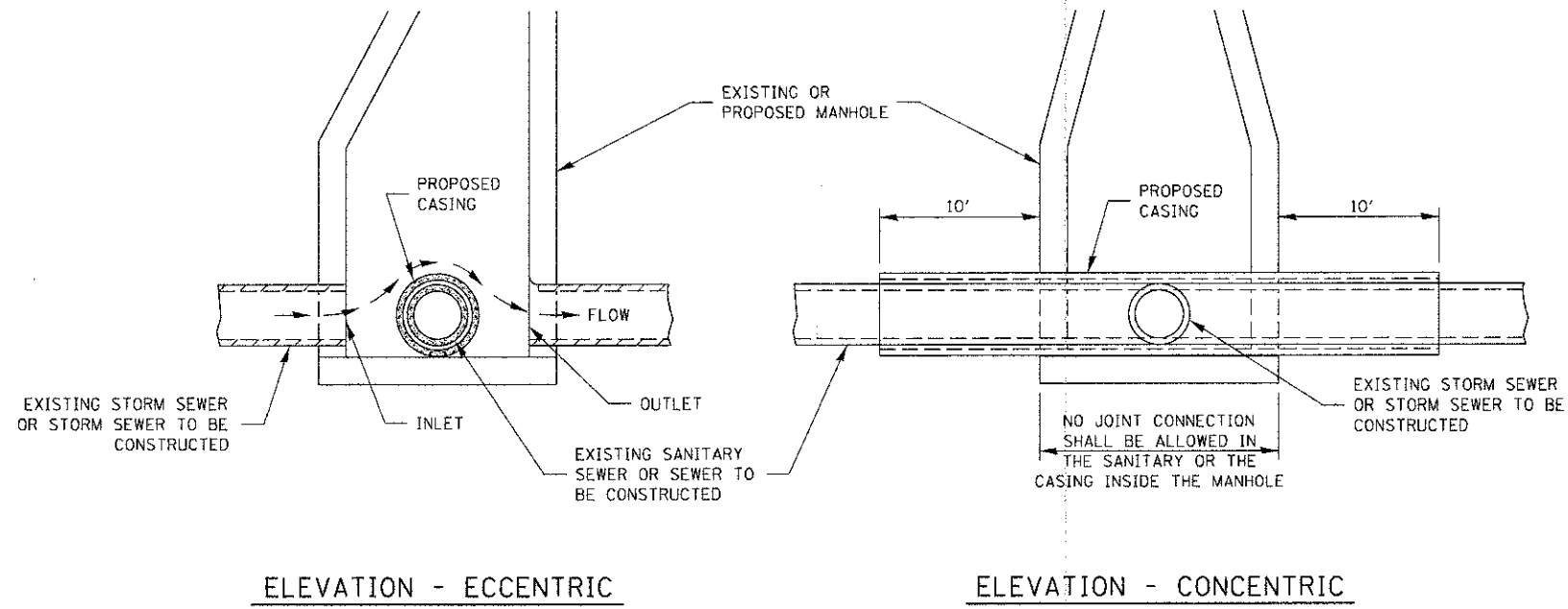
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	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT 3 STANDARD DETAILS

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

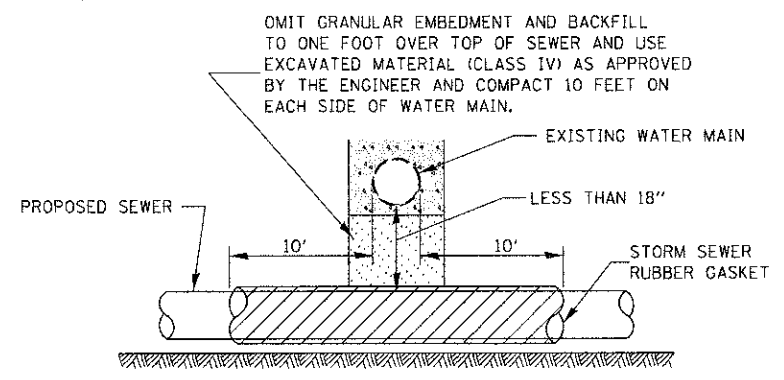
F.A.J. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 57
CONTRACT NO. 87544				ILLINOIS FED. AID PROJECT



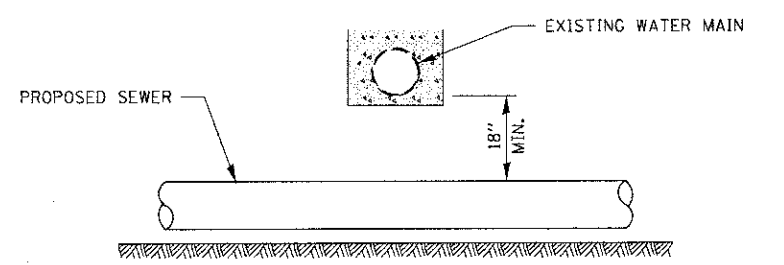
AT GRADE CROSSING OF SANITARY AND STORM SEWER

PROPOSED SEWER LINE WITH MINIMUM 18" VERTICAL SEPARATION ABOVE EXISTING WATERMAIN

POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN
 PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH



PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH
 MAINTAIN 18" MINIMUM VERTICAL SEPARATION FOR 10' HORIZONTALLY

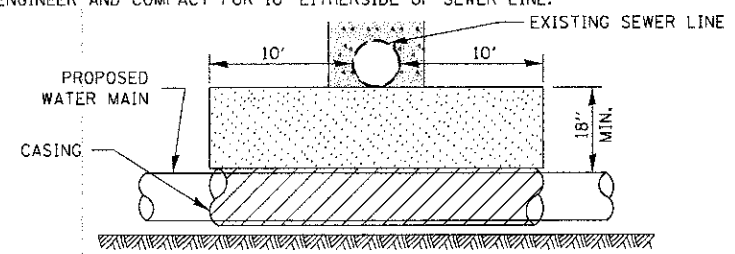


PROPOSED SEWER LINE BELOW EXISTING WATER MAIN

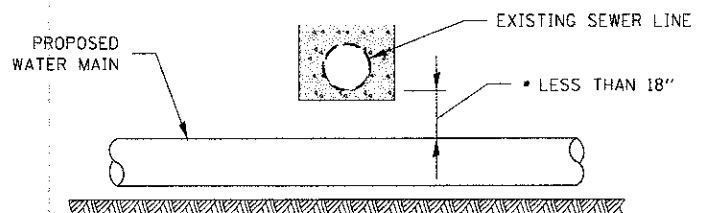
PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.

IF GRANULAR BACK FILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER TRENCH AND REPLACE WITH EXCAVATED MATERIAL (CLASS IV) AS APPROVED BY THE ENGINEER AND COMPACT.

OMIT GRANULAR EMBEDMENT AND BACKFILL TO ONE FOOT OVER TOP OF WATER MAIN AND USE EXCAVATED MATERIAL (CLASS IV) AS APPROVED BY THE ENGINEER AND COMPACT FOR 10' EITHERSIDE OF SEWER LINE.



CASING SHALL BE OF WATER MAIN MATERIAL WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

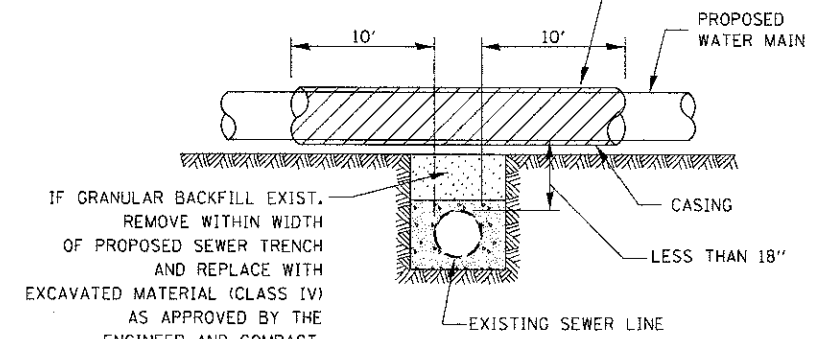


NOT ALLOWED
 MUST MAINTAIN 18" VERTICAL SEPARATION

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE

POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER

OMIT GRANULAR EMBEDMENT AND BACKFILL TO ONE FOOT OVER TOP OF SEWER AND USE EXCAVATED MATERIAL (CLASS IV) AS APPROVED BY THE ENGINEER AND COMPACT 10 FEET ON EACH SIDE OF WATER MAIN.



CASING SHALL BE OF WATERMAIN MATERIAL WITH AN INSIDE DIAMETER 2" LARGER IN DIAMETER THAN ENCASED PIPE OUTSIDE DIAMETER WITH BOTH ENDS OF CASING SEALED

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE

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

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PLOT SCALE = 1/4"=1'-0"	DRAWN - NDP	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DISTRICT 3 STANDARD DETAILS

SCALE: SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	58
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, STANDARD 606001 AND THIS DRAWING.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. A HOLE 1/2" IN DIA. AND 9" DEEP SHALL BE DRILLED IN THE EXISTING CONCRETE CURB AS SHOWN. A 1/4"x18" SMOOTH DOWEL BAR SHALL BE GROUTED IN THE HOLE LONGITUDINALLY.

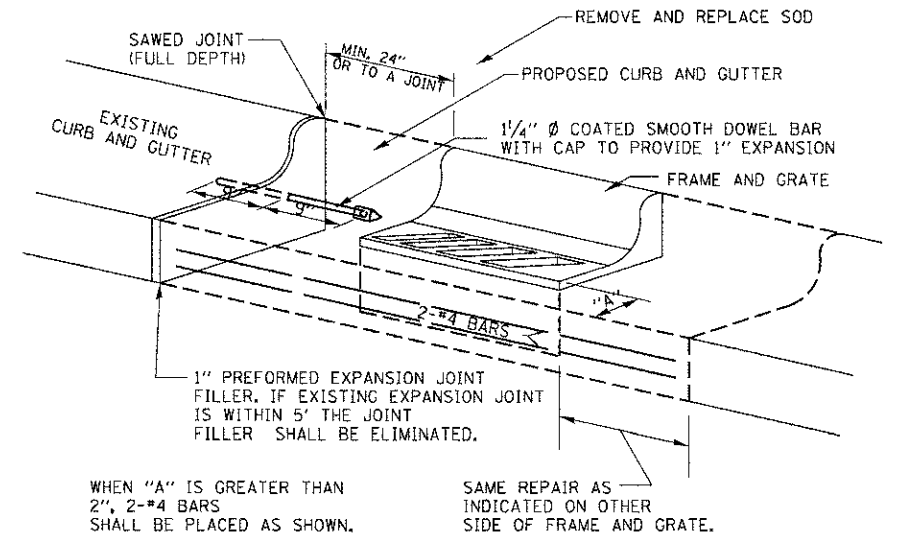
JOINTS OF A TYPE SIMILAR TO THAT IN THE UNDERLYING PAVEMENT (EXPANSION OR CONTRACTION) SHALL BE INSTALLED IN THE CONCRETE CURB IN ALIGNMENT WITH THE JOINTS IN THE PAVEMENT.

THE PROPOSED CONFIGURATION OF THE CURB AND GUTTER SHALL MATCH THE REMOVED.

THE LOCATION OF THE DOWEL BAR SHALL BE DETERMINED BY THE ENGINEER.

ALL EXISTING TIE BARS IN EDGE OF PAVEMENT SLAB THRU REPLACEMENT AREA SHALL BE CUT OFF.

THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS AND INCLUDES THE REMOVAL AND REPLACEMENT OF SOD, CONCRETE PAVEMENT AND/OR CURB AND GUTTER ADJACENT TO CATCH BASINS OR INLETS TO BE ADJUSTED OR RECONSTRUCTED AND SHALL BE INCLUDED IN THE PAY ITEM OF CATCH BASINS OR INLETS TO BE ADJUSTED OR RECONSTRUCTED AS SPECIFIED.



**DETAILS FOR CURB & GUTTER REPLACEMENT
CATCH BASIN OR INLETS TO BE
ADJUSTED OR RECONSTRUCTED 606-10**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 3 STANDARD DETAILS

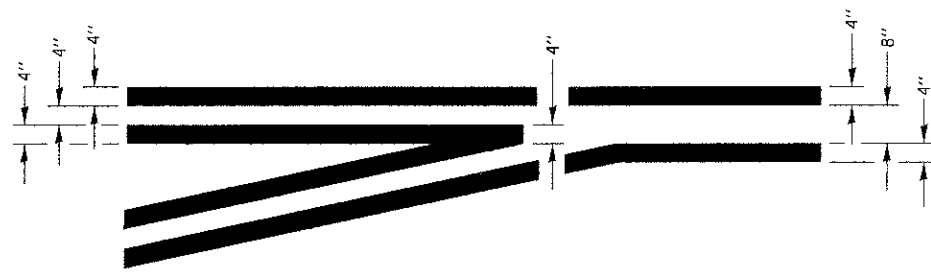
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	59
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 3 OF 5 SHEETS STA. TO STA.

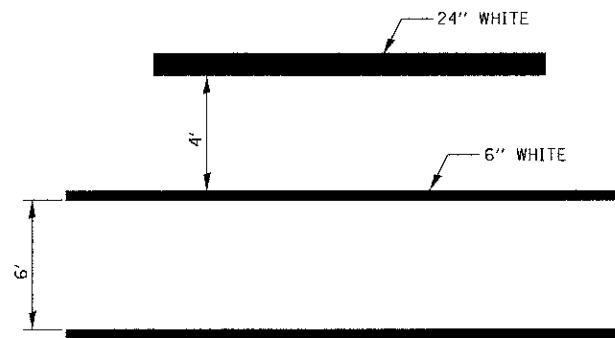
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PLLOT DATE = 12/20/2012		

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

FILE NAME = M:\Projects\2012\120125_Berkeley\503\CAD\DC\1\Ugr\Shr\AD3-DT_03.dgn

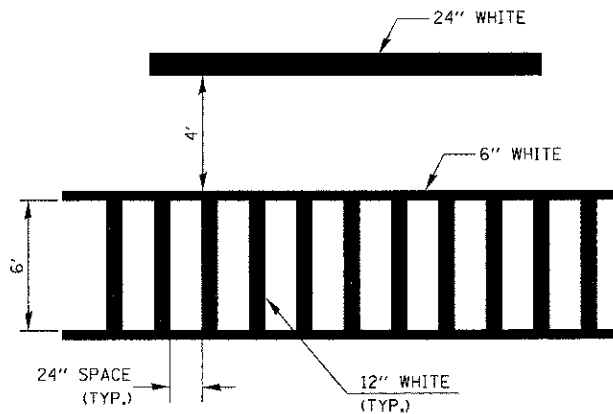


**TYPICAL APPLICATION
LEFT TURN LANES** 780-1



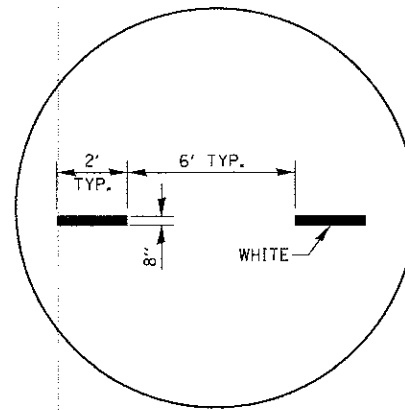
**TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS**

780-3
OPTION 1



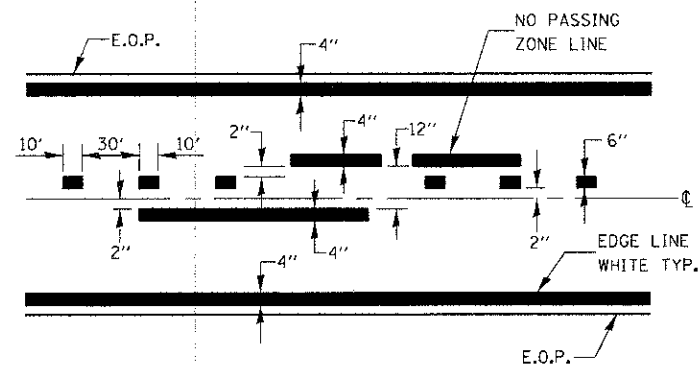
**TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS**

780-3
OPTION 2



**ADVANCE AND INTERSECTION LANE
DIVIDER LINES**

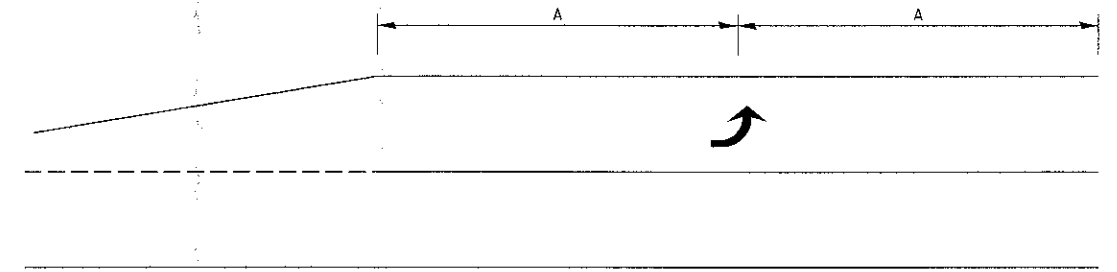
780-5



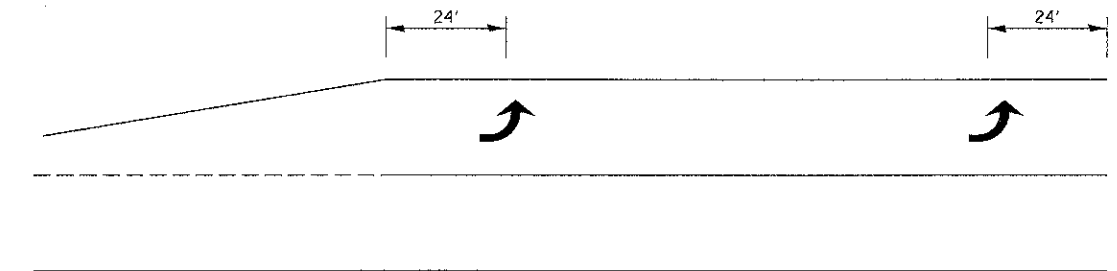
CENTERLINE & NO PASSING ZONE LINES - YELLOW (SEE TYPICAL SECTIONS)

PAVEMENT MARKING

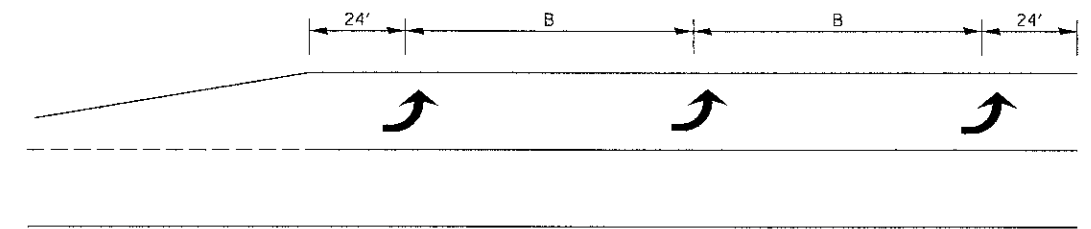
780-8



99' AND UNDER



100' TO 149'



150' AND LONGER

**TYPICAL PLACEMENT OF ARROWS
IN TURN LANES**

780-10

FILE NAME = M:\Projects\2812\120185_Berthys\3\CD\Drawings\Sheet\05-DT_04.dgn

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St. Charles, Illinois 60174

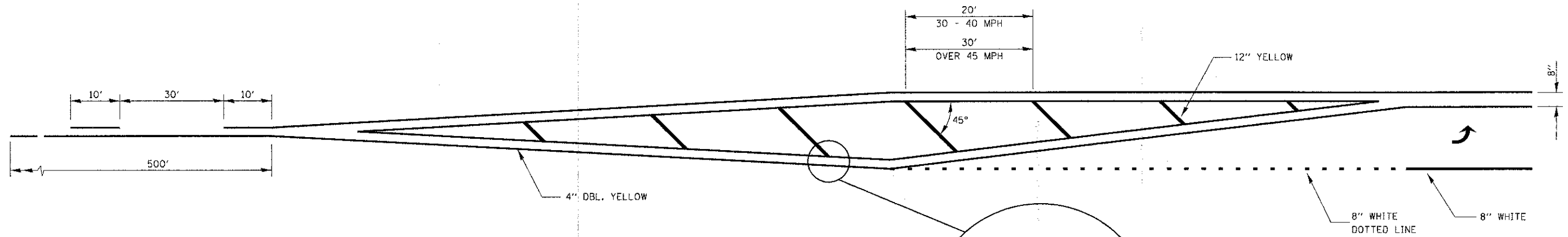
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT 3 STANDARD DETAILS

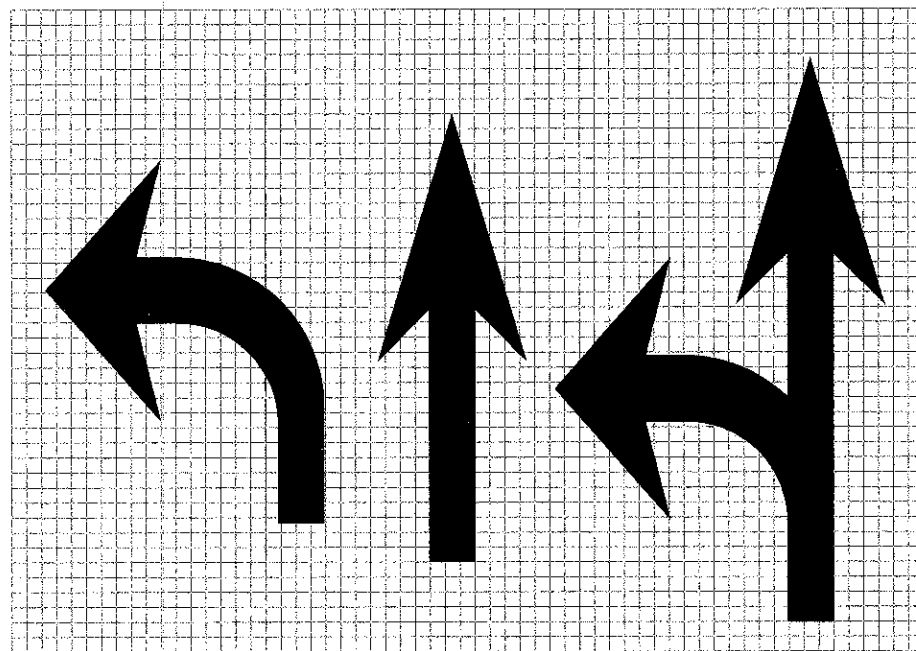
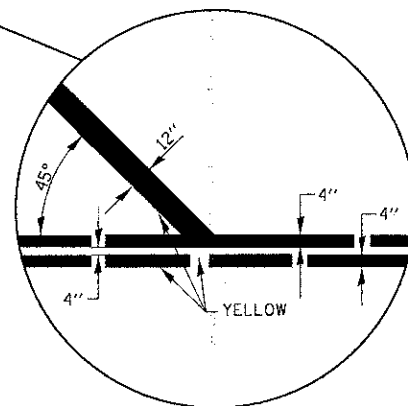
SCALE: SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	60
CONTRACT NO. 87544				
[ILLINOIS] FED. AID PROJECT				



LEFT TURN LANE WITH APPROACH MEDIAN

780-19



LEGEND HEIGHT	ARROW SIZE	o
6'	SMALL	2.9
8'	LARGE	3.8

THE SPACE BETWEEN ADJACENT LETTERS OR NUMERALS SHOULD BE APPROXIMATELY 3' FOR 6' LEGEND AND 4' FOR 8' LEGEND.

LETTER AND ARROW GRID SCALE

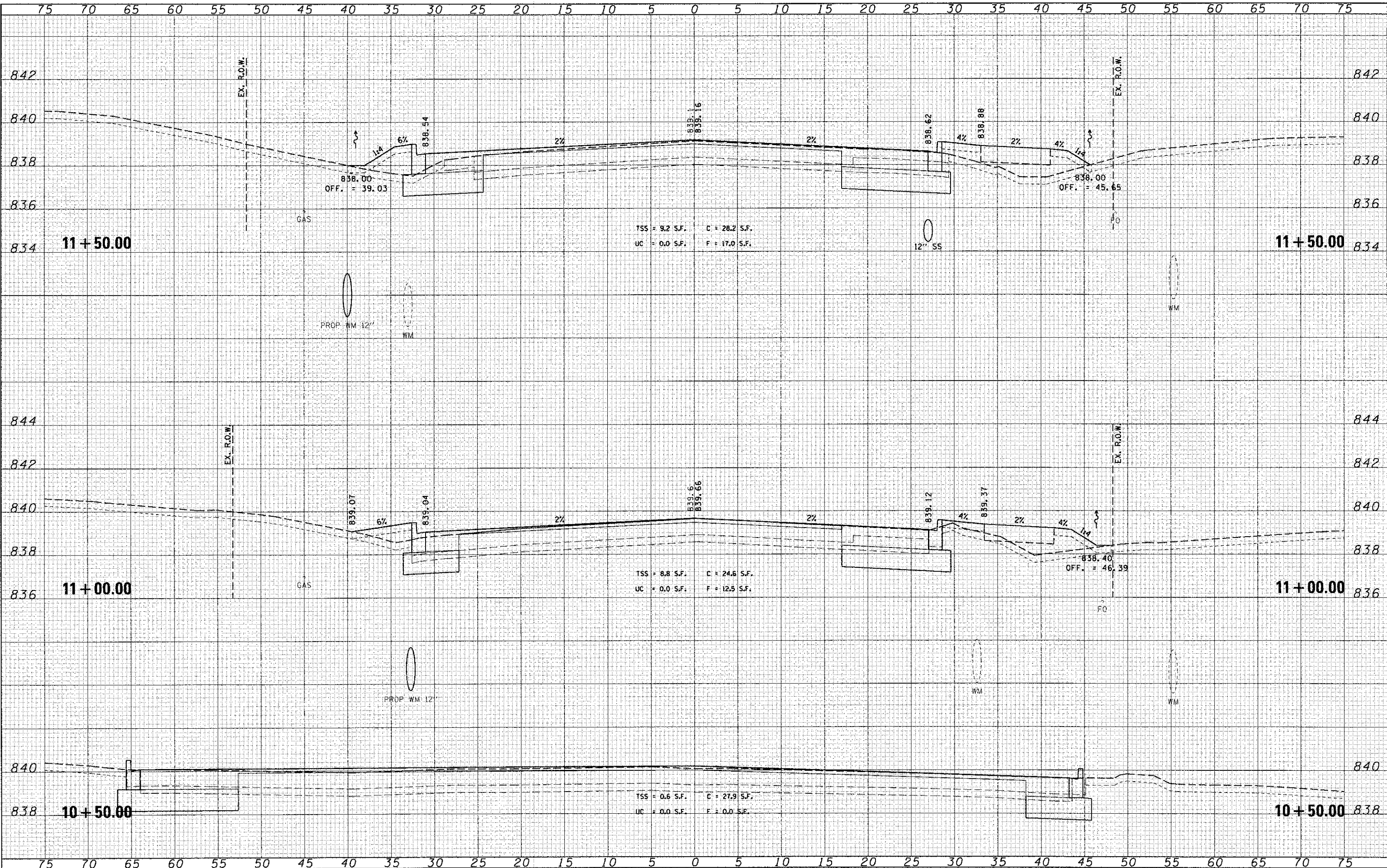
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BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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 118 West Main Street, Suite 201
 St. Charles, Illinois 60174

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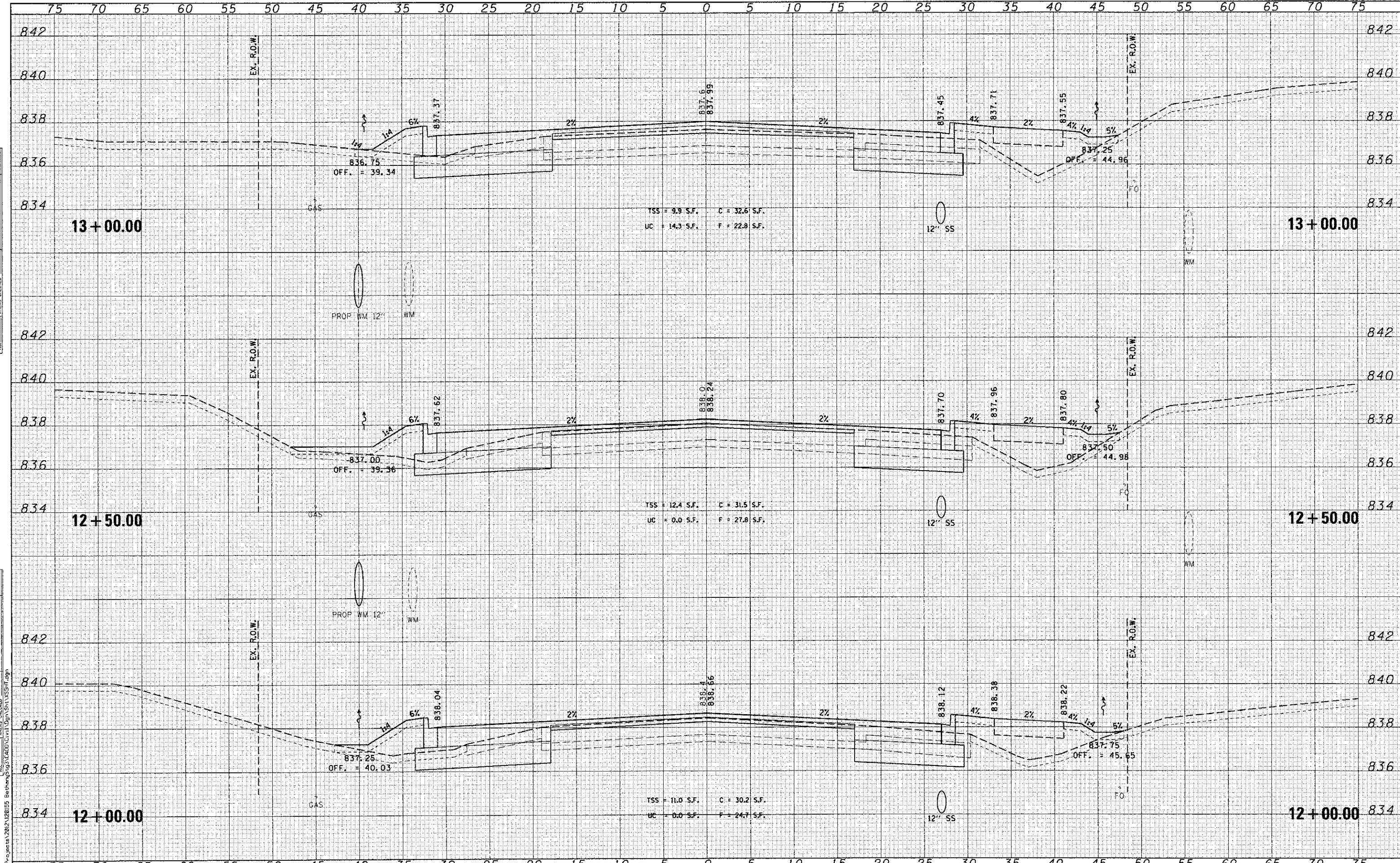
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS BETHANY ROAD	
SCALE:	SHEET NO. 1 OF 17 SHEETS STA. TO STA.

P.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 62
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

DATE: _____ BY: _____
 SURVEYED _____
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 NO. _____

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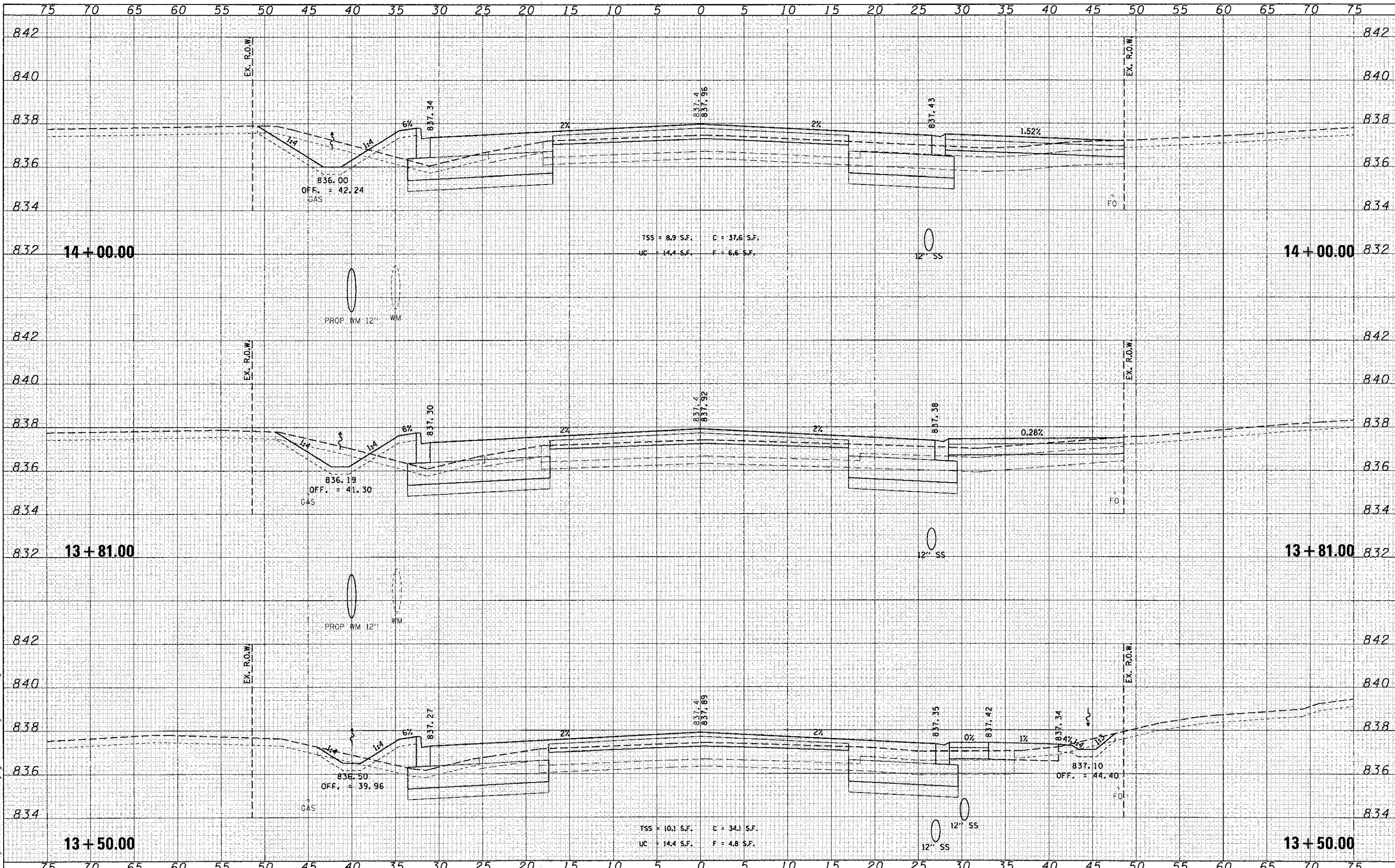
WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 BETHANY ROAD
 SCALE: SHEET NO. 2 OF 17 SHEETS STA. TO STA.

F.A.I. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 63
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
FINAL SURVEY	
PLOTTED	
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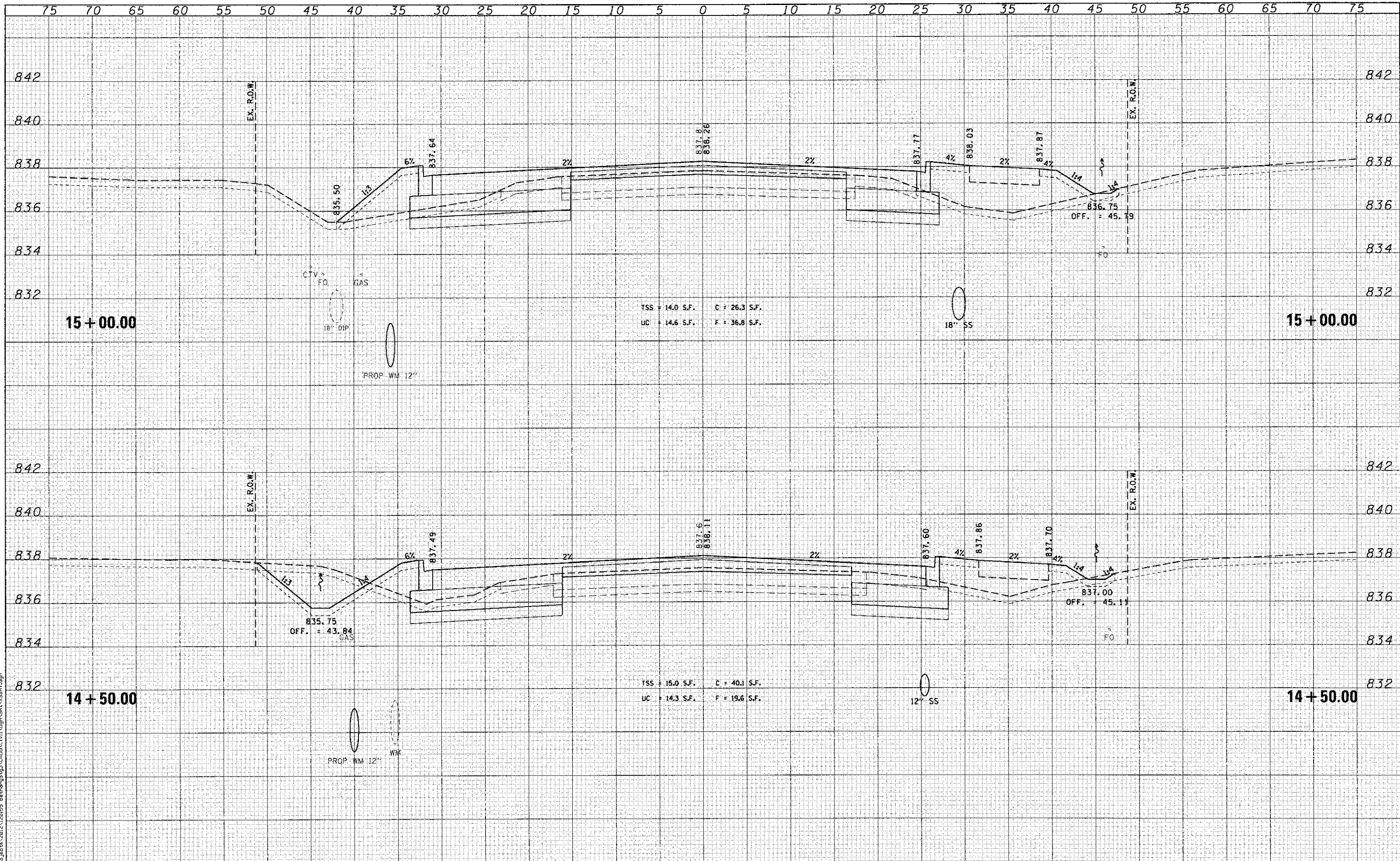
WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS	
BETHANY ROAD	
SCALE:	SHEET NO. 3 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	64
CONTRACT NO. 87544			ILLINOIS FED. AID PROJECT	



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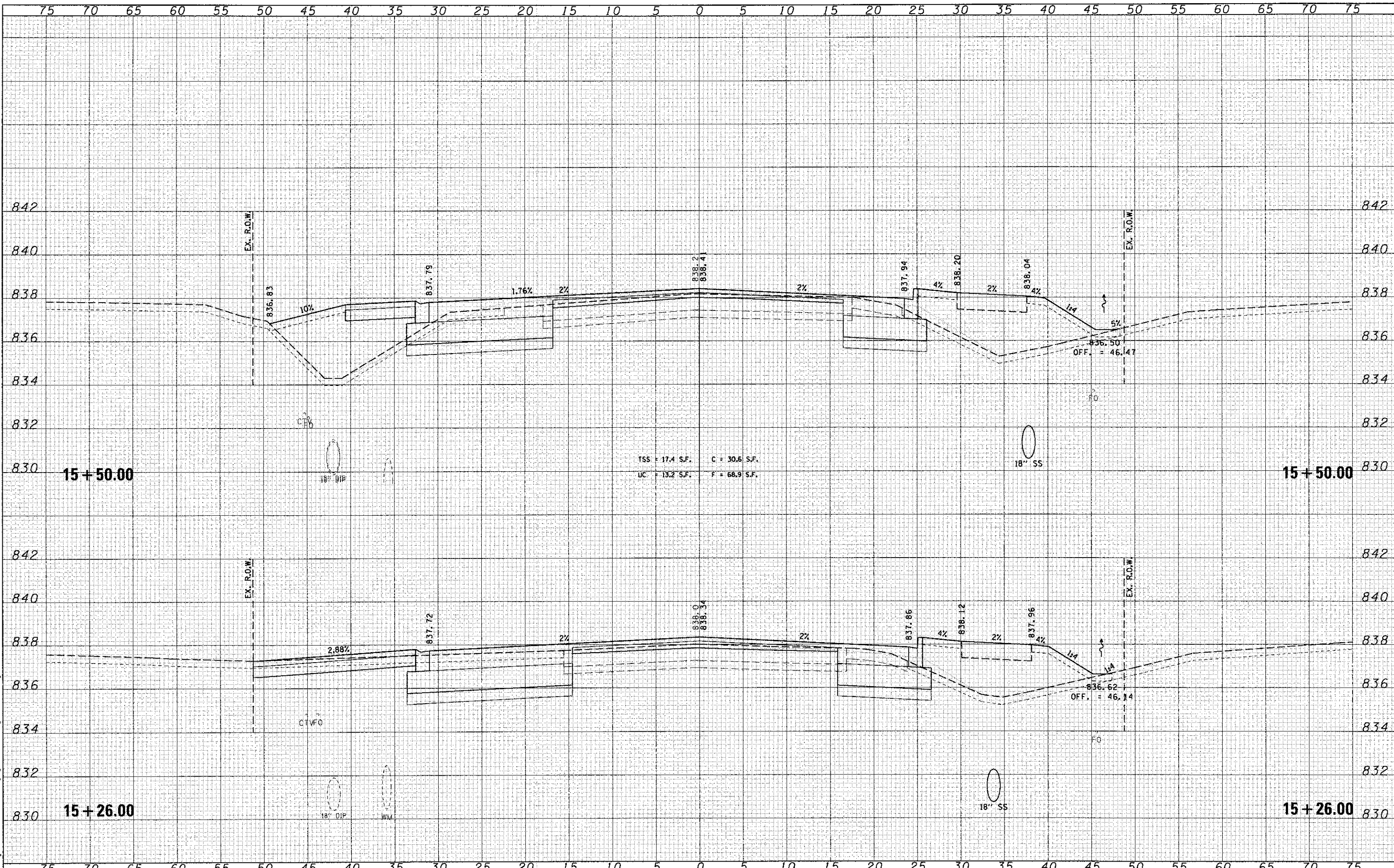
WILLS BURKE KELSEY ASSOCIATES LTD.
 110 West Main Street, Suite 201
 St. Charles, Illinois 60174

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
BETHANY ROAD	
SCALE:	SHEET NO. 4 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	65
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				



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

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REVISED	-
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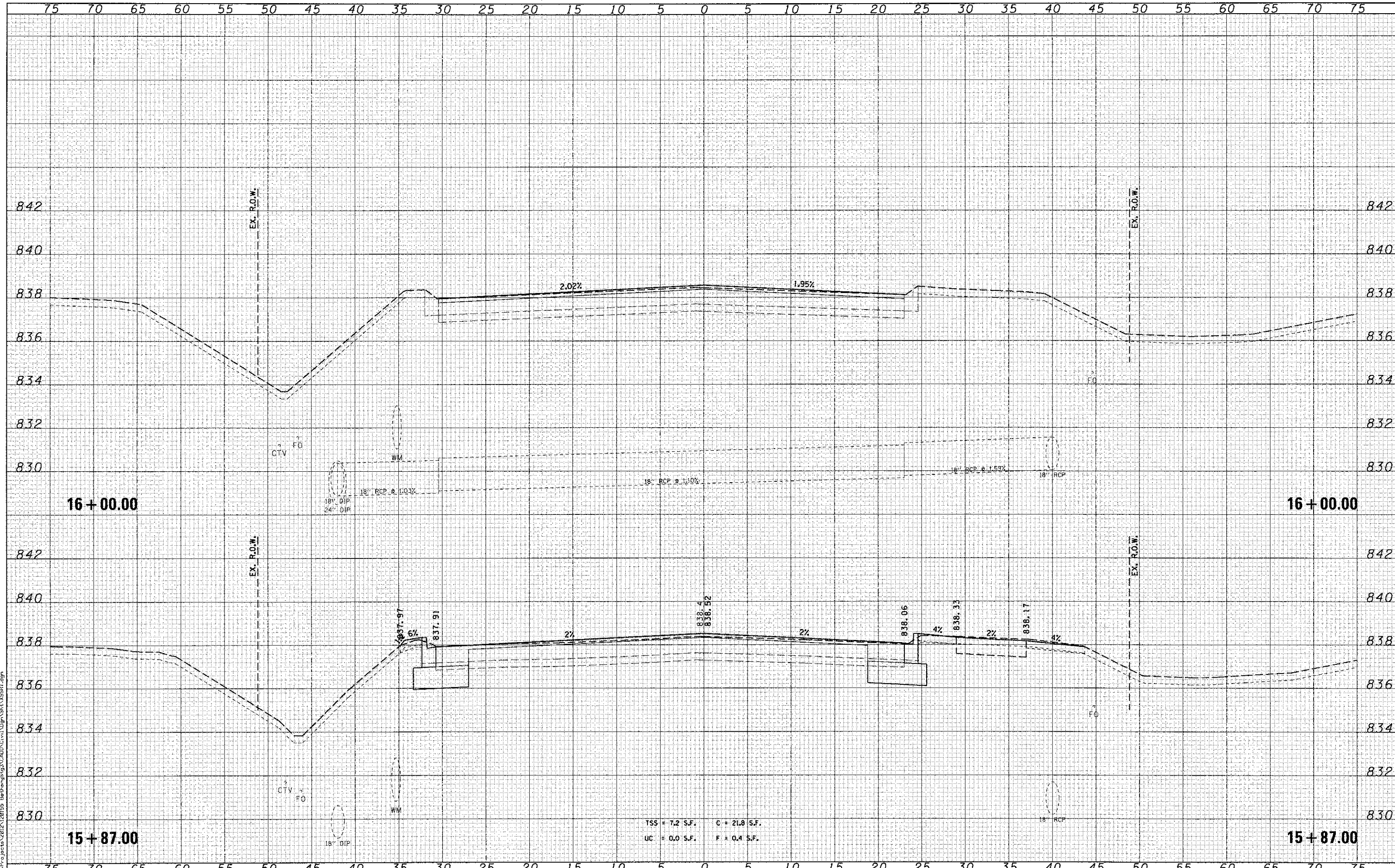
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS BETHANY ROAD	
SCALE:	SHEET NO. 5 OF 17 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	66
CONTRACT NO. 87544				
[ILLINOIS] FED. AID PROJECT				

BY	DATE

BY	DATE



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

USER NAME - nparris	DESIGNED - KMA	REVISED -
PLOT SCALE = 1/5	DRAWN - KMA	REVISED -
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	DATE - 12/21/12	REVISED -

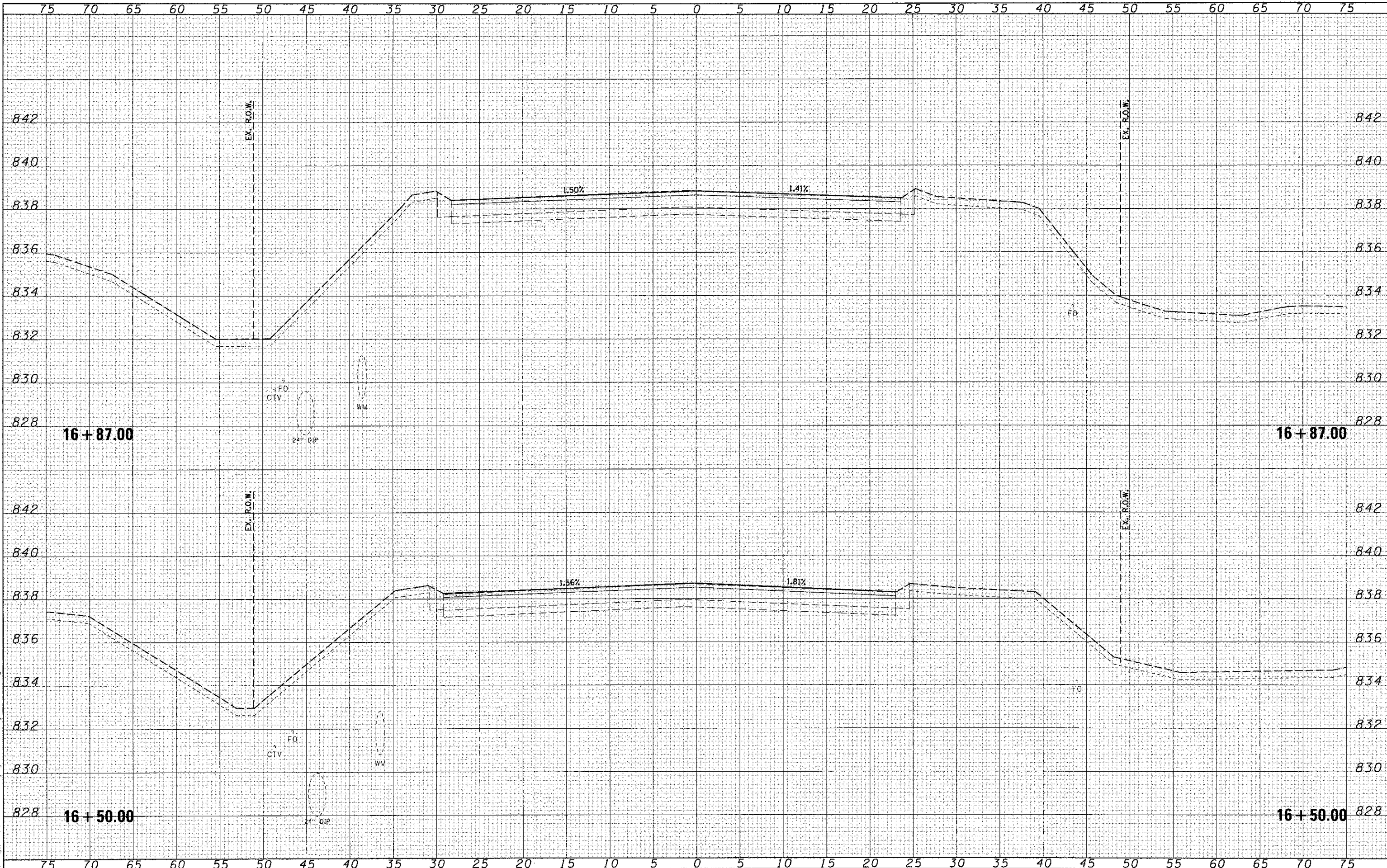
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TSS = 7.2 S.F. C = 21.8 S.F.
UC = 0.0 S.F. F = 0.4 S.F.

**CROSS SECTIONS
BETHANY ROAD**

SCALE: SHEET NO. 6 OF 17 SHEETS STA. TO STA.

F.A.J.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	67
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				



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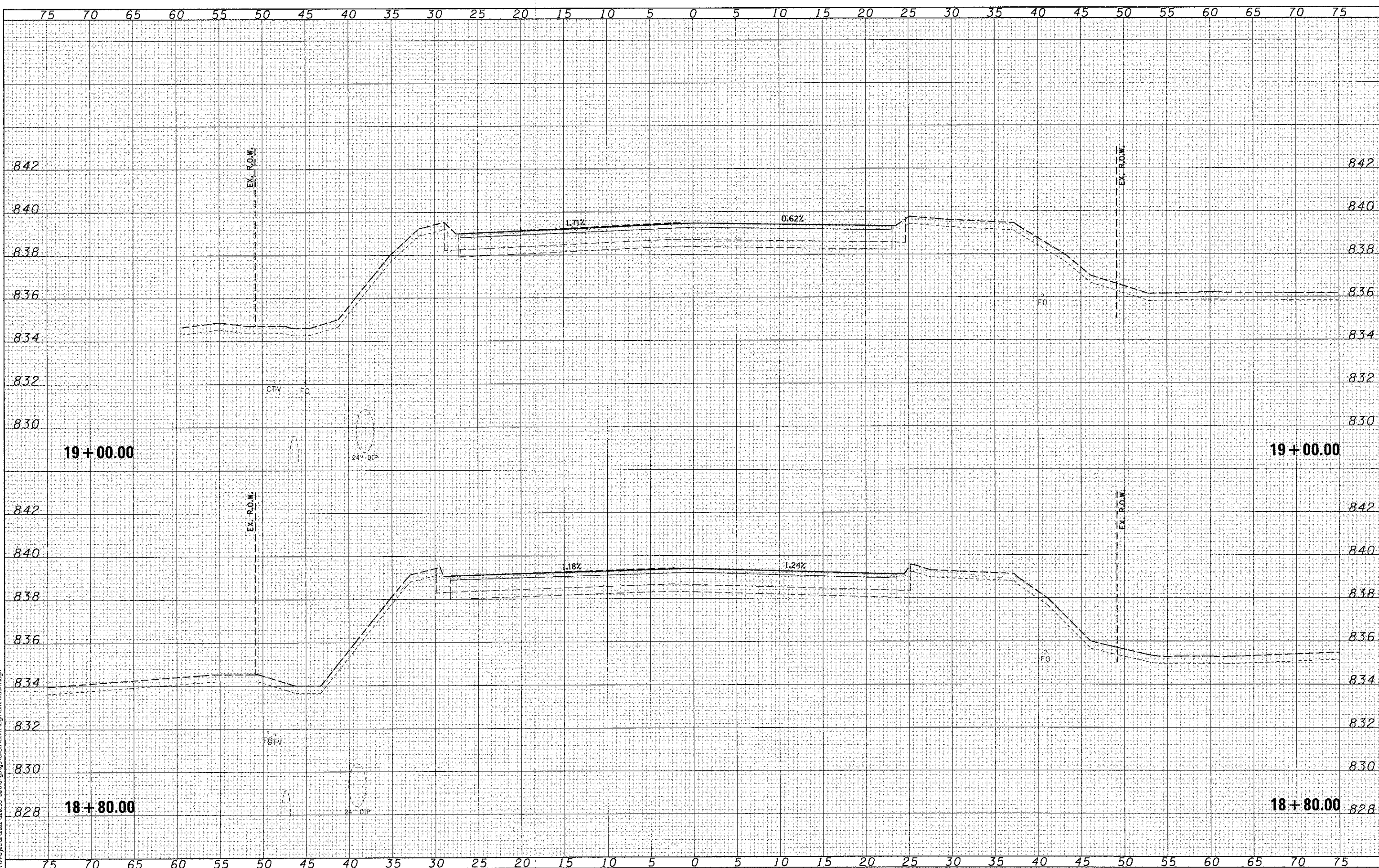
WBK WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

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PLOT SCALE = 1:5	DRAWN - KMA	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS	
BETHANY ROAD	
SCALE:	SHEET NO. 7 OF 17 SHEETS
STA.	TO STA.

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	68
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				



DATE	BY

DATE	BY

FILE NAME: G:\Projects\2012\120125 Bethany\120125 Bethany\120125 Bethany\120125 Bethany\120125 Bethany\120125 Bethany\120125 Bethany\120125 Bethany.dgn
 USER NAME: npperris

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

DESIGNED - KMA	REVISED -
DRAWN - KMA	REVISED -
CHECKED - DPB	REVISED -
DATE - 12/21/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: STA. TO STA.
 SHEET NO. 8 OF 17 SHEETS

CROSS SECTIONS
BETHANY ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	69
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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NOTE BOOK	
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NOTE BOOK	
AREAS CHECKED	
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WILLIS BURKE KELSEY ASSOCIATES LTD.
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 St. Charles, Illinois 60174

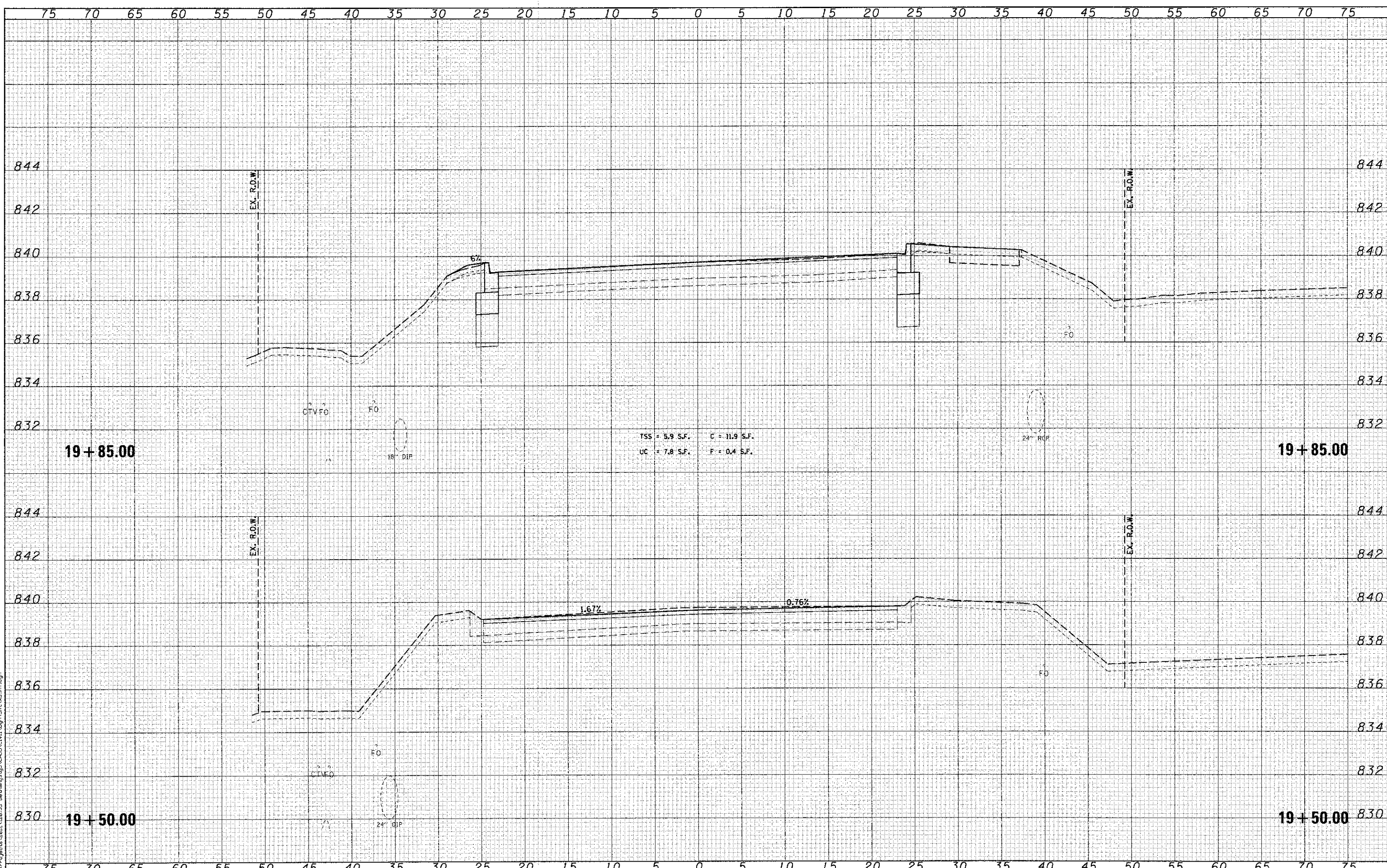
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PLLOT DATE = 12/28/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

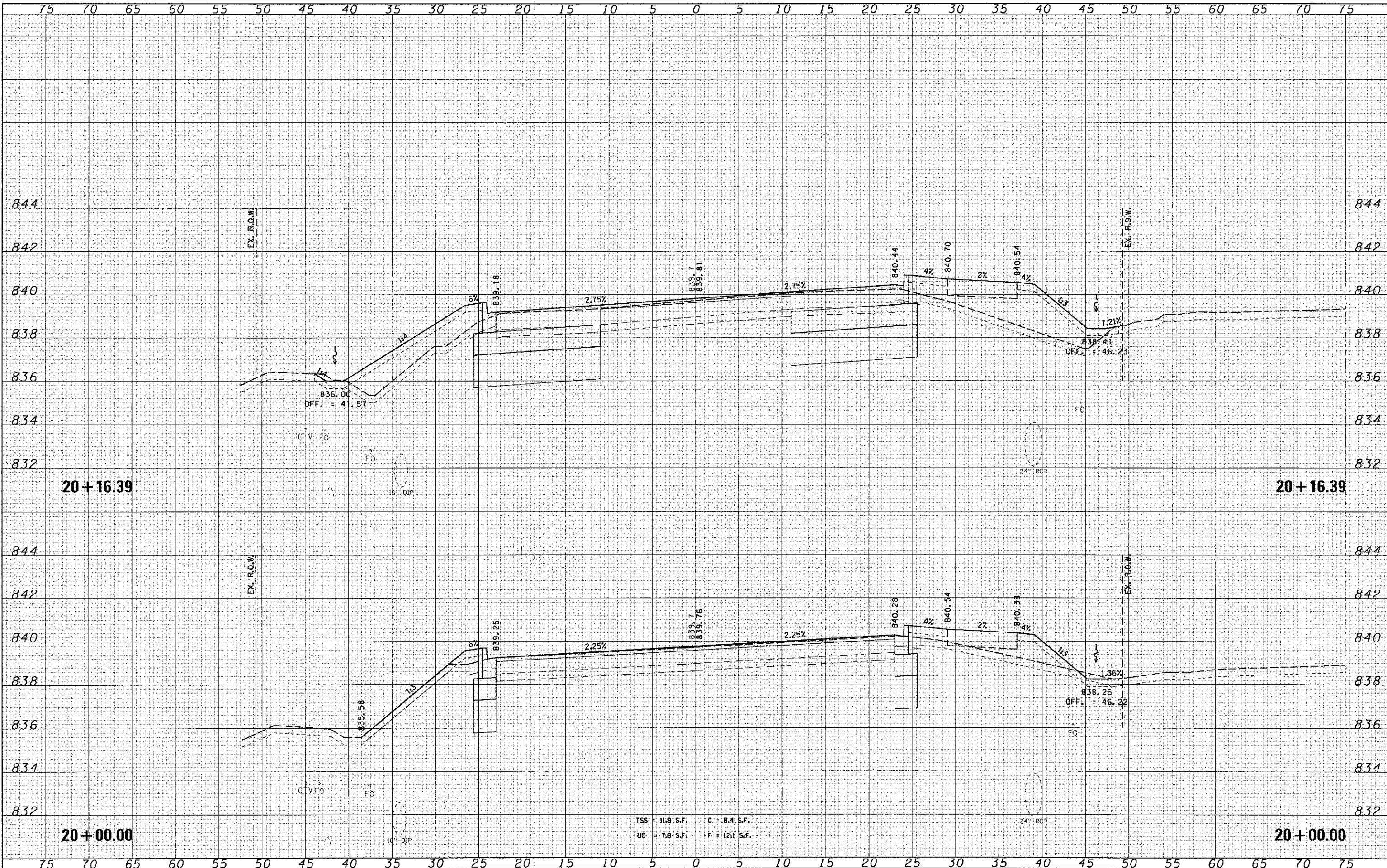
**CROSS SECTIONS
 BETHANY ROAD**

SCALE: SHEET NO. 9 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	70
CONTRACT NO. 87544			ILLINOIS FED. AID PROJECT	



75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



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

USER NAME = nparrts
 DESIGNED - KMA
 DRAWN - KMA
 CHECKED - DPB
 DATE - 12/21/12

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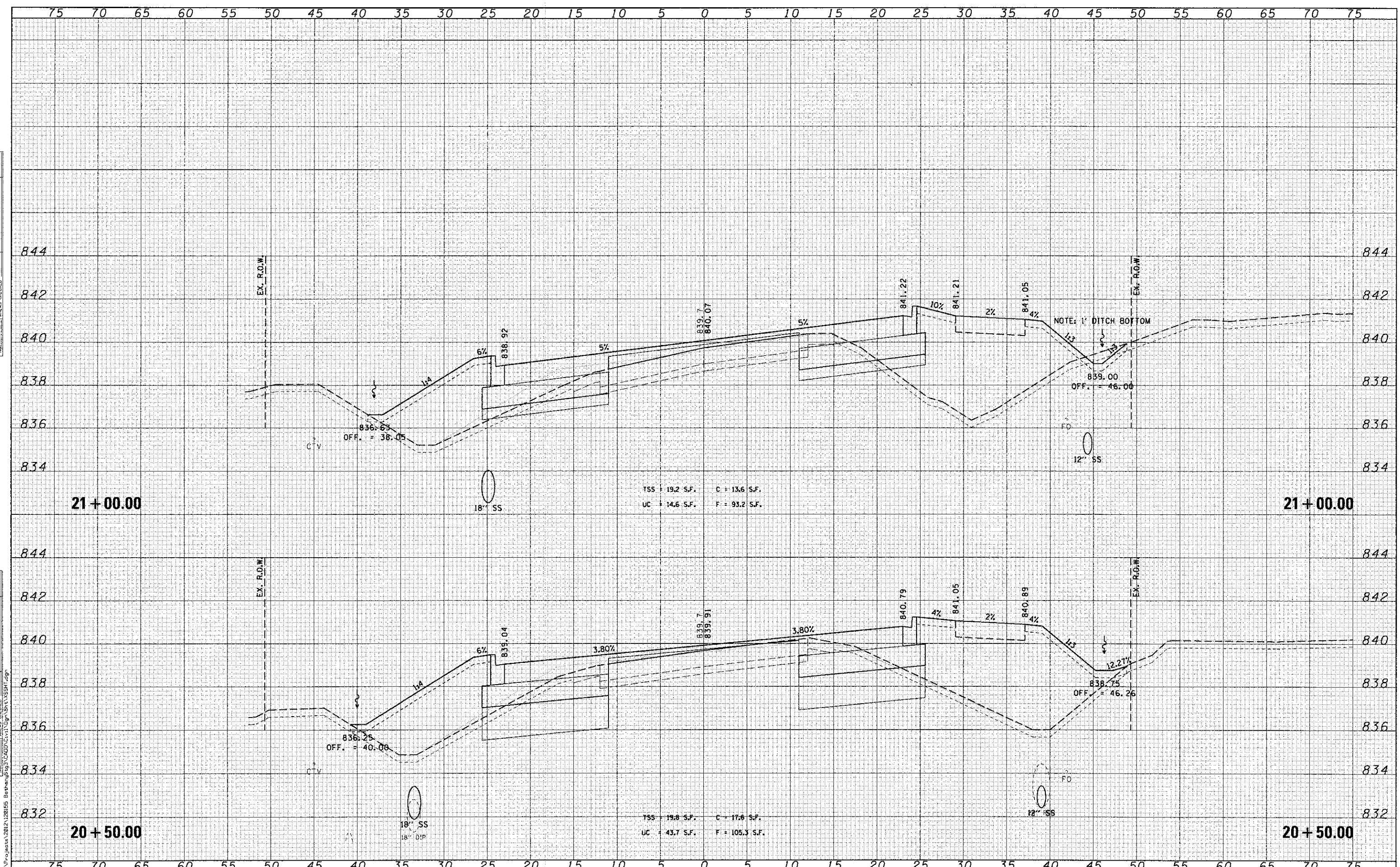
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
BETHANY ROAD
 SCALE: SHEET NO. 10 OF 17 SHEETS STA. TO STA.

F.A.U. R.T.E. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 71
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

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

USER NAME = rparvris	DESIGNED - KMA	REVISED -
FLAT SCALE = 1/5	DRAWN - KMA	REVISED -
FLAT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET NO. 11 OF 17 SHEETS	STA. TO STA.
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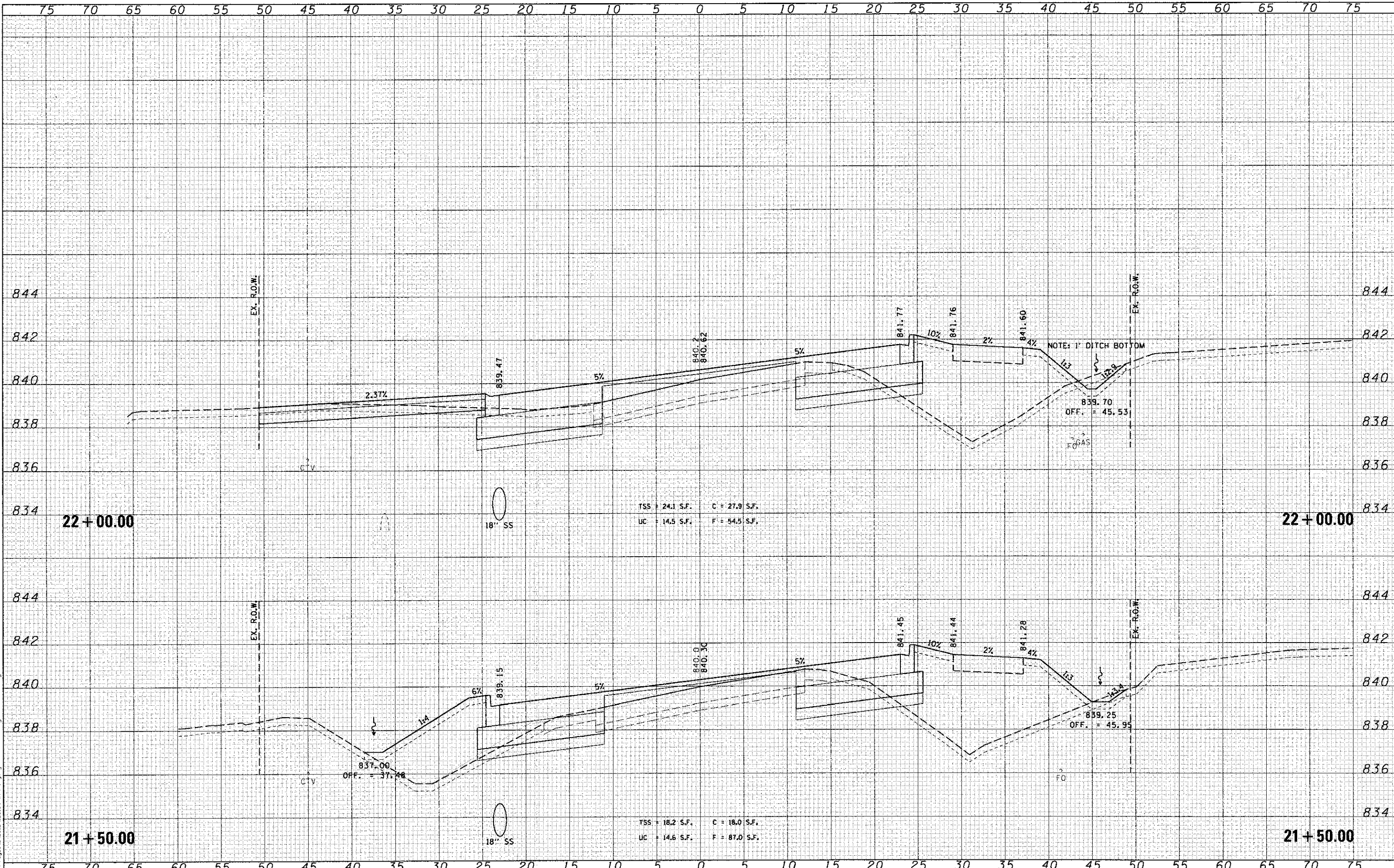
CROSS SECTIONS
BETHANY ROAD

F.A.U. RTE. 5355	SECTION 10-00167-01-WR	COUNTY DEKALB	TOTAL SHEETS 78	SHEET NO. 72
CONTRACT NO. 87544			ILLINOIS FED. AID PROJECT	

DATE	
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NOTE BOOK	
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ORIGINAL SURVEY	
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 DRAWN - KMA
 CHECKED - DPB
 DATE - 12/21/12
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
BETHANY ROAD**

SCALE: SHEET NO. 12 OF 17 SHEETS STA. TO STA.

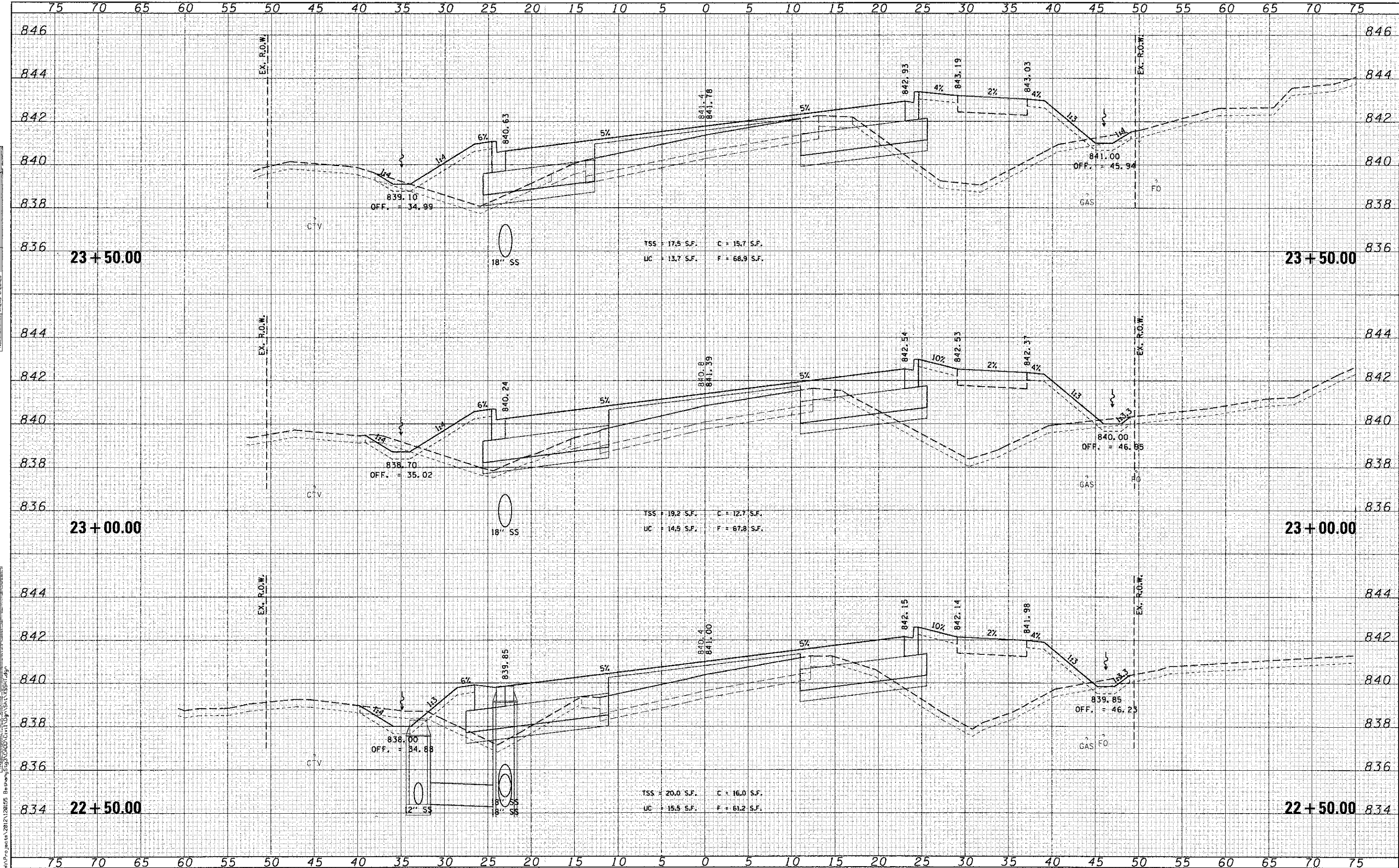
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	73
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
FINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	
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DATE	
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ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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St. Charles, Illinois 60174



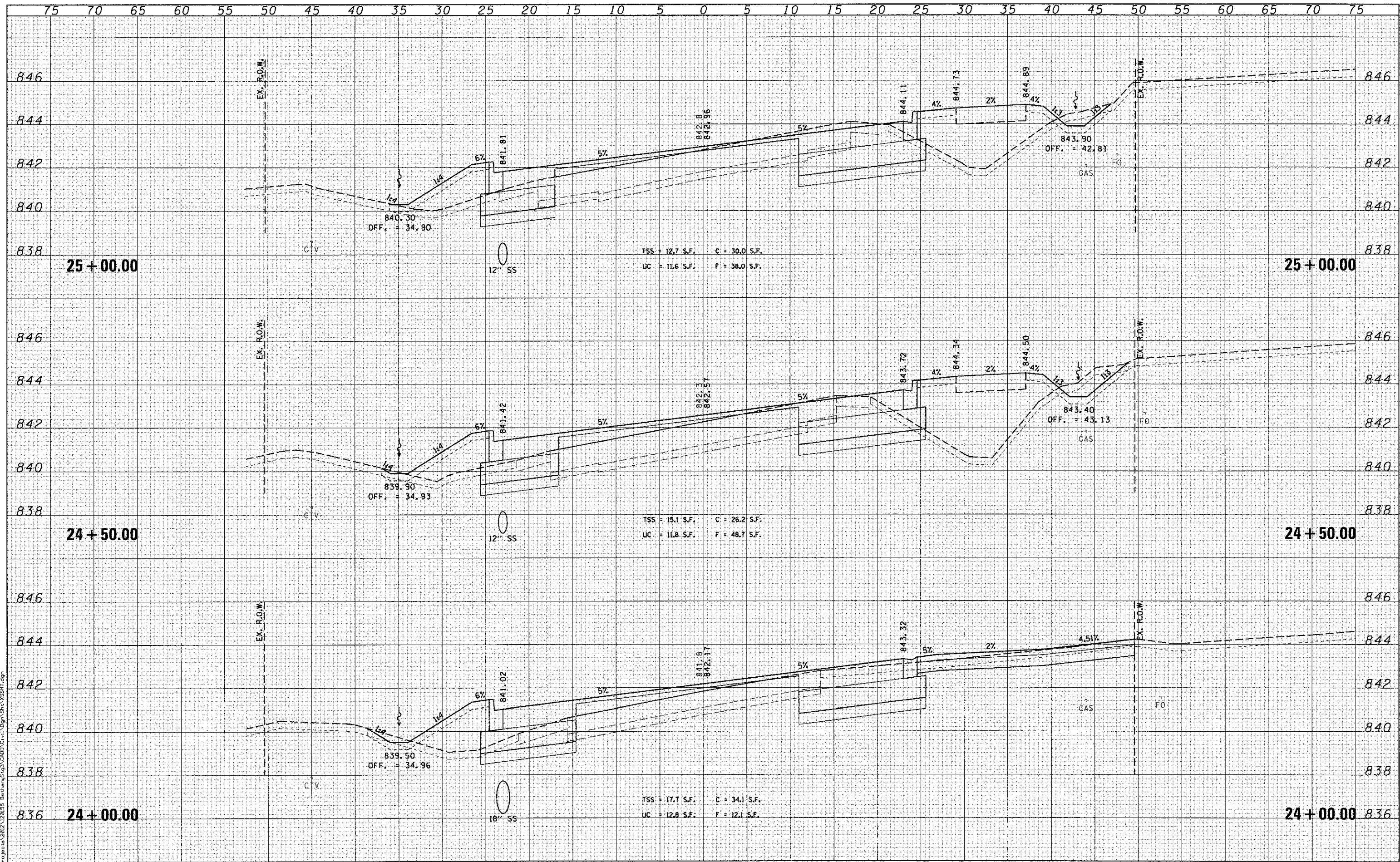
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
BETHANY ROAD
SCALE: SHEET NO. 13 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	74
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

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TSS = 12.7 S.F. C = 30.0 S.F.
UC = 11.6 S.F. F = 38.0 S.F.

TSS = 15.1 S.F. C = 26.2 S.F.
UC = 11.8 S.F. F = 48.7 S.F.

TSS = 17.7 S.F. C = 34.1 S.F.
UC = 12.8 S.F. F = 12.1 S.F.

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

USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE = 1/8"	DRAWN - KMA	REVISED -
PLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
BETHANY ROAD

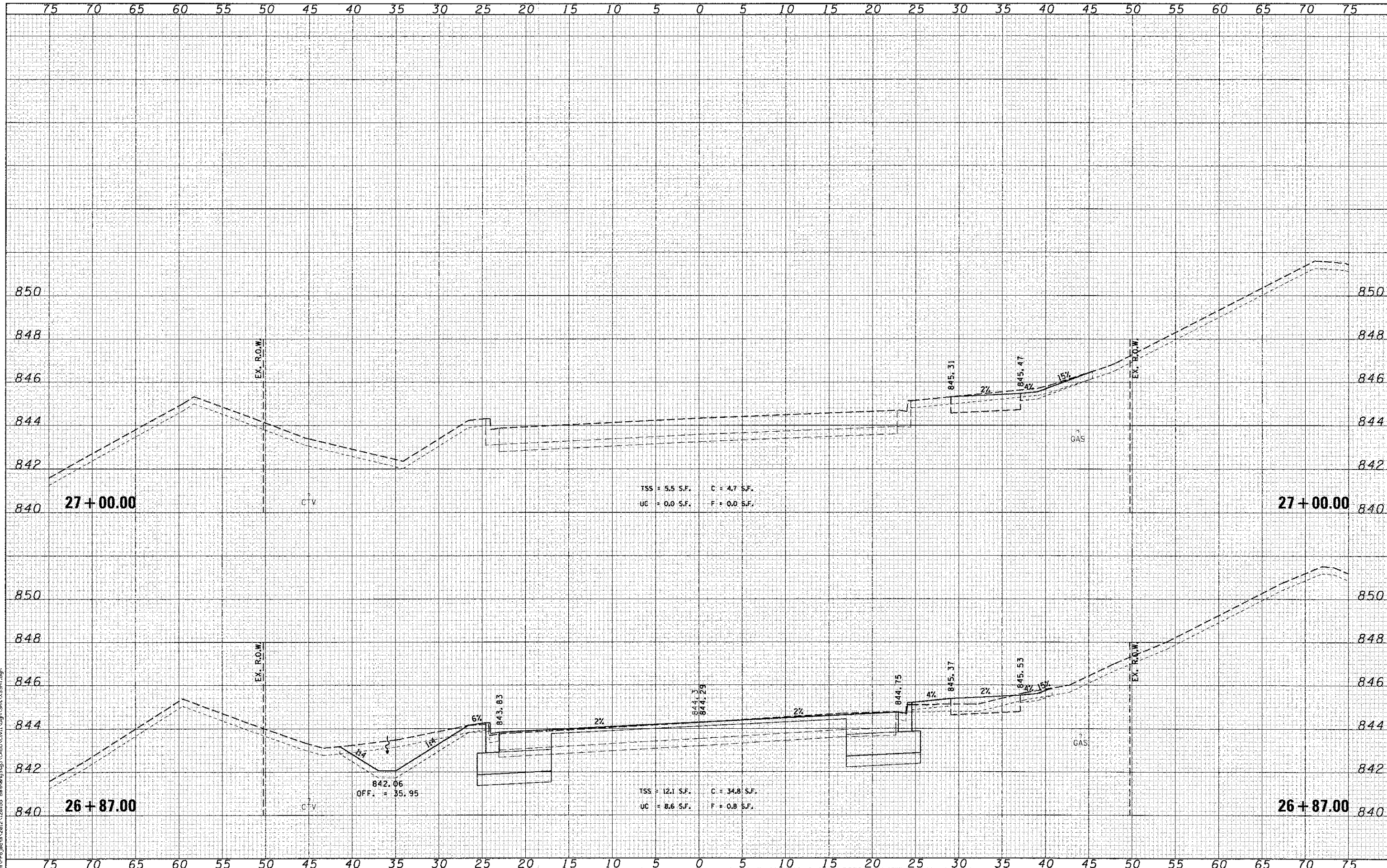
SCALE: SHEET NO. 14 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	75
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

DATE	
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ORIGINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	

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AREAS CHECKED	

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

USER NAME = rnoerrts	DESIGNED - KMA	REVISED -
PLLOT SCALE = 1/8"	DRAWN - KMA	REVISED -
PLLOT DATE = 12/20/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS	
BETHANY ROAD	
SCALE:	SHEET NO. 16 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	77
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	
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WILLIS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = jpo@wtk	DESIGNED - KMA	REVISED -
PLLOT SCALE = 1/5	DRAWN - KMA	REVISED -
PLLOT DATE = 12/28/2012	CHECKED - DPB	REVISED -
	DATE - 12/21/12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 BETHANY ROAD

SCALE: SHEET NO. 17 OF 17 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	78
CONTRACT NO. 87544				
ILLINOIS FED. AID PROJECT				

