

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	1
		ILLINOIS	CONTRACT NO. 63875	

1-17-14 LETTING ITEM 139

# STATE OF ILLINOIS

## DEPARTMENT OF TRANSPORTATION

# PLANS FOR PROPOSED FEDERAL-AID HIGHWAY

## FAU 3704 (RIVER RD) AT 3705 (ROBERTS RD) SECTION 07-00086-08-CH PROJECT CMM-9003(064) INTERSECTION RECONSTRUCTION LAKE COUNTY

C-91-513-08

FOR INDEX OF SHEETS, SEE SHEET NO. 2

### DESIGN DESIGNATION

**ROBERTS RD - MINOR ARTERIAL**  
ADT ROBERTS ROAD: 9,648 (2011)  
ADT ROBERTS ROAD: 16,000 (2030)

**POSTED SPEED LIMIT ROBERTS RD: 45 MPH**  
**DESIGN SPEED LIMIT ROBERTS RD: 50 MPH**  
**ROUNDBOUT DESIGN SPEED: 25 MPH**

**RIVER ROAD - MINOR ARTERIAL**  
ADT RIVER ROAD: 5,400 (2011)  
ADT RIVER ROAD: 9,000 (2030)

**POSTED SPEED LIMIT RIVER RD: 45 MPH**  
**DESIGN SPEED LIMIT RIVER RD: 50 MPH**  
**ROUNDBOUT DESIGN SPEED: 25 MPH**

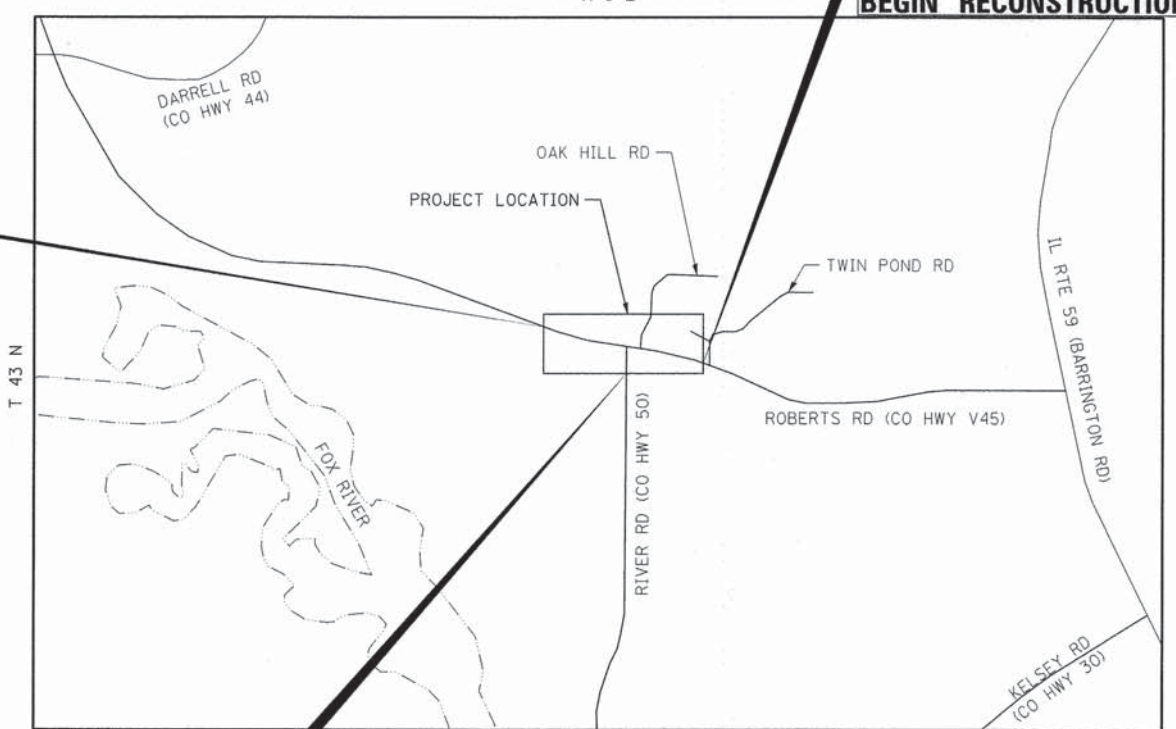
### FLEXIBLE PAVEMENT DESIGN

DATE = 06-21-13  
PROJECT = RIVER ROAD (FAU 3704) AT ROBERTS ROAD (FAU 3705)  
YEAR OF ADT = 2011  
ADT = 9,648 VPD  
ANNUAL GROWTH % (NON-COMPOUNDED) = 3.08% (2030 PER CMAP)  
GROWTH = 3.08% /YR X \*DESIGN PERIOD X ADT = 4,633  
SPECIAL ADJUSTMENTS = 0  
DESIGN PERIOD (YEARS) = 26  
CONSTRUCTION YEAR = 16,000  
STRUCTURAL DESIGN TRAFFIC (SDT) = 92.00%  
PC = 5.00%  
SU = 3.00%  
MU = 80,000 LBS  
LOAD LIMIT = 2  
CLASS ROAD (1,2,3,4) = POOR  
SUBGRADE SUPPORT RATING = 3.18  
FLEXIBLE TRAFFIC FACTOR (TF) = PG64-22  
SELECTED DESIGN AC TYPE = 76  
DESIGN AC MIXTURE TEMPERATURE (DEGREES F) = 650  
DESIGN BITUMINOUS CONCRETE MODULUS = 73.63  
DESIGN AC MICROSTRAIN = 11.50  
PAVEMENT THICKNESS REQUIRED (INCHES) = 12.00  
AGGREGATE SUBGRADE IMPROVEMENT (INCHES) =

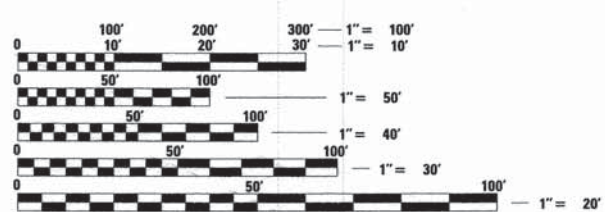


**ROBERTS ROAD RECONSTRUCTION**  
**END RECONSTRUCTION STA 65+44.44**  
**END RESURFACING STA 67+00.00**

**ROBERTS ROAD RECONSTRUCTION**  
**BEGIN RESURFACING STA 47+75.00**  
**BEGIN RECONSTRUCTION STA 49+28.77**



PROJECT LOCATED IN  
VILLAGE OF LAKE BARRINGTON, CUBA TOWNSHIP



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

**RIVER ROAD RECONSTRUCTION**  
**BEGIN RESURFACING STA 87+50.00**  
**BEGIN RECONSTRUCTION STA 92+50.00**  
**END IMPROVEMENT STA 95+02.20**

### LOCATION MAP

MAP SCALE: NTS

ROAD	STATION	STATION	LENGTH (FT)	LENGTH (MI)
ROBERTS ROAD	47+75.00	67+00.00	1,925.0	0.36
RIVERS ROAD	87+50.00	95+02.20	752.2	0.14
OAK HILL ROAD	55+23.02		89.0	0.02
NET AND GROSS LENGTH OF IMPROVEMENT			2,766.2	0.52



DAMEL B. BRUCKELMEYER  
ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-063352  
MY LICENSE EXPIRES ON 11-30-15.  
DATE 10/30/13

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED October 31 2013  
Paula Trigg  
LAKE COUNTY ENGINEER

PASSED NOVEMBER 1 2013  
C. Holt C.W. HOLT  
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW November 1 2013  
John Fortman  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

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

CONTRACT NO. 63875

CONSULTING ENGINEERS **BL** Bollinger, Lach & Associates, Inc.  
333 PIERCE ROAD SUITE 200 ITASCA, IL 60143  
P(630) 438 6400 F(630) 438 6444 www.bollingerlach.com  
ILLINOIS \* INDIANA \* WISCONSIN

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**IDOT HIGHWAY STANDARDS**

000001-06	ABBREVIATIONS, SYMBOLS AND PATTERNS
001001-02	AREA OF REINFORCEMENT BARS
001006	DECIMAL EQUIVALENTS OF AN INCH AND FOOT
420701-02	PAVEMENT FABRIC
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-01	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN, TYPE A
602401-03	MANHOLE TYPE A
602701-02	MANHOLE STEPS
604001-03	FRAME AND LID TYPE 1
604036-02	GRATE TYPE 8
604051-03	FRAME AND GRATE TYPE 11
604091-02	FRAME AND GRATE TYPE 24
606001-05	CONCRETE CURB AND GUTTER TYPE B AND COMBINATION CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
666001-01	RIGHT OF WAY MARKERS
668001-01	METHODS OF RESETTING BENCHMARKS
701001-02	Off-Road Operations, MORE THAN 15 FT. AWAY
701006-05	OFF-ROAD OPERATIONS, 15 FT. (4.5 M) TO 24 IN. (600 MM) FROM PAVEMENT EDGE
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
701331-04	LANE CLOSURE, 2L, 2W, WITH RUN-AROUND, FOR SPEEDS ≥ 45 MPH
701501-06	LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-03	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
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805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
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LC0020	TRENCH WIDTHS FOR TRANCH BACKFILL & PAVEMENT REPLACEMENT, BITUMINOUS
LC2000	UNDERCUT DETAIL
LC2050	TEMPORARY DITCH CHECK INSTALLATION FOR ROADWAY OR DRAINAGE DITCH
LC2051	PERIMETER EROSION BARRIER INSTALLATION
LC2101	SEGMENTAL CONCRETE BLOCK WALL
LC4041	TYPICAL SUPERELEVATION SECTION - NEW ROADS AND RECONSTRUCTION PROJECTS
LC4050	TYPICAL SECTION AGGREGATE BIKEPATH
LC4052	TYPICAL SECTION 8' HOT-MIX ASPHALT BIKEPATH IN VICINITY OF CURB & GUTTER
LC4201	CURB RAMPS WITH TRAFFIC SIGNAL POSTS & MAST ARMS
LC4202	CONCRETE WASHOUT FACILITIES
LC4800	TRANSITION FROM AGGREGATE SHOULDER TO B-6.24 FOR 16' OFFSET TO FACE
LC5401	TYPICAL PLACEMENT OF PRECAST END SECTIONS ON CROSSROAD CULVERTS
LC5402	JOINT TIES FOR CONCRETE PIPE
LC6000	RESTRICTED DEPTH MANHOLE
LC6003	DRAINAGE STRUCTURE RIM ELEVATIONS AND OFFSETS
LC6020	SUB-SURFACE DRAINS
LC7000	TWO LANE, TWO WAY, OFF-ROAD OPERATIONS DAY OPERATIONS ONLY
LC7004	TRAFFIC CONTROL AND PROTECTION FOR SIDEROADS, INTERSECTIONS AND DRIVEWAYS
LC7200	DIRECTION INDICATOR BARRICADES
LC7203	WORK ZONE SPEED LIMIT SIGNING DIAGRAM
LC7800	TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS
LC7802	SHORT TERM PAVEMENT MARKINGS
LC7804	SPECIAL DETAIL FOR ROUNDABOUTS SIGNING AND PAVEMENT MARKINGS
LC8902	WIRELESS TRANSMISSION SYSTEM DETAILS

**IDOT DISTRICT ONE STANDARDS**

BD600-03	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD400-05	BUTT JOINT AND HMA TAPER DETAILS
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC-22	ARTERIAL ROAD INFORMATION SIGN

**GENERAL NOTES**

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED JANUARY 1, 2012 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," ADOPTED JANUARY 1, 2014; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS", SIXTH EDITION; THE DETAILS IN THE PLANS; AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION FOR TRAFFIC AS CALLED FOR IN THE APPLICATION OF TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES IN REGARDS TO THEIR FACILITIES. SEE SHEET 4 FOR LIST OF AGENCIES AND UTILITIES.

DISTRIBUTORS: ALL DISTRIBUTORS FOR HOT-MIX ASPHALT PAVING OPERATIONS SHALL BE EQUIPPED WITH SHIELDS TO PREVENT DAMAGES TO MOTORIST'S VEHICLES AND TO ADJACENT HIGHWAY APPURTENANCES.

ANY RIGHT-OF-WAY MARKERS DISTURBED BY THE CONTRACTOR'S OPERATION THAT ARE NOT SCHEDULED FOR REMOVAL SHOULD BE REESTABLISHED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.

THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS.

ALL ELEVATIONS SHOWN ON THESE PLANS ARE ON NGVD29. BENCHMARKS FOR THE PROJECT ARE DESCRIBED IN THE PLANS.

POLLUTION CONTROL: THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP AN OFFICE OR YARD ON THE COUNTY PROPERTY OR PUBLIC R.O.W. WITHOUT WRITTEN APPROVAL FROM THE ENGINEER.

VERIFICATIONS OF DIMENSIONS: IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

THE CONTRACTOR IS ADVISED THAT IN THE EVENT OF SNOW, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF ANY MAINTENANCE OF TRAFFIC PROTECTIVE DEVICES REQUIRED FOR THEIR OPERATIONS THAT WOULD INTERFERE WITH SNOW REMOVAL OPERATIONS PERFORMED BY THE APPROPRIATE AGENCY. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR RESTORING THE MAINTENANCE OF TRAFFIC DEVICES AFTER THE COMPLETION OF SNOW REMOVAL OPERATION.

THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS CONSTRUCTION OPERATIONS WITH THE CONSTRUCTION AND MAINTENANCE OPERATIONS, INCLUDING UTILITY RELOCATIONS AND ADJUSTMENTS OF OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF THE PROJECT AND ADJACENT TO THE PROJECT.

THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS AND APPURTENANCES THAT MUST BE KEPT IN OPERATION, IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AS WELL AS SUPERVISION, DIRECTION AND MEANS/METHOD OF CONSTRUCTION.

FILE NAME = F:\B77-018 River-Roberts Phase II\CADD\SHEETS\B77-018-SHT\_GENERAL.dgn



USER NAME = #USER#	DESIGNED - GJE	REVISED -
DRAWN - GJE	REVISIONS -	
PLOT SCALE = #SCALE#	CHECKED - DBB	REVISED -
PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
GENERAL NOTES**

SCALE: SHEET 2 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	2
				CONTRACT NO. 63875
ILLINOIS FED. AID PROJECT				

**SURFACE TESTS**

A. THE COMPLETED SURFACE COURSE WILL BE TESTED FOR SMOOTHNESS IN THE WHEEL PATH WITH A 16 FT. STRAIGHTEDGE ACCORDING TO ARTICLE 406.11 OF THE STANDARD SPECIFICATIONS.

B. THE CONTRACTOR SHALL FURNISH THE APPROPRIATE PERSONNEL AND EQUIPMENT REQUIRED TO PERFORM THE SURFACE COURSE TESTING ACCORDING TO ARTICLE 406.11 OF THE STANDARD SPECIFICATIONS, AND TO THE SATISFACTION OF THE ENGINEER. TRAFFIC CONTROL AND PROTECTION FOR THE TESTING SHALL BE INCLUDED. THE TESTING, INCLUDING ALL REQUIRED PERSONNEL AND EQUIPMENT, WILL BE CONSIDERED INCLUDED IN THE COST OF THE HMA SURFACE COURSE.

C. AT THE ENGINEER'S DISCRETION THE SURFACE TESTING MAY INCLUDE SECTIONS OF THE HIGHWAY REPAIRED WITH PARTIAL DEPTH OR FULL DEPTH PAVEMENT PATCHING AND/OR AREAS OF PAVEMENT REPLACEMENT.

**TEMPORARY SIGN AND MAILBOX RELOCATIONS:**

A. SIGNS: THE CONTRACTOR SHALL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH HIS/HER CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE INCLUDED IN THE COST OF MOBILIZATION. ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:

I. SIGNS SHALL NOT BE MOVED UNTIL THE PROGRESS OF WORK NECESSITATES IT.

II. EVERY SIGN REMOVED SHALL BE RE-ERECTED AT A TEMPORARY LOCATION AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS SHALL BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.

III. ALL SIGNS SHALL BE RE-ERECTED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. THE HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DESIGNATED BY THE ENGINEER.

IV. ALL UNUSED SIGNS SHALL BE RETURNED TO THE LAKE COUNTY DEPARTMENT OF TRANSPORTATION  
600 W. WINCHESTER RD.  
LIBERTYVILLE, IL 60048.

V. LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS.

VI. REMOVAL OF EXISTING DELINEATORS SHALL BE INCLUDED IN THE COST OF REMOVE SIGN PANEL ASSEMBLY - TYPE A.

**TREES**

A. TREE ROOT PRUNING: BEFORE ANY TRENCHING OR EXCAVATION IN THE AREA OF A TREE, TREE ROOTS SHALL BE CUT WITH APPROPRIATE ROOT PRUNING EQUIPMENT TO A MINIMUM OF 24" DEEP. THE CUTS SHALL BE MADE 6" TO 12" CLOSER TO THE TREE THAN THE CONSTRUCTION LIMIT. THIS ALLOWS FOR ROOT REGENERATION (WITHIN THE 6" TO 12" AREA) DURING THE CONSTRUCTION PERIOD. PRUNING SHALL NOT BE DONE AT THE CONSTRUCTION LIMIT, SINCE THE CUT SURFACES OF THE ROOTS WILL REMAIN EXPOSED RESULTING IN ROOT DIEBACK. THIS WORK WILL NOT BE PAID FOR SEPERATELY, BUT WILL BE INCLUDED IN THE ASSOCIATED TRENCHING AND/OR EXCAVATION PAY ITEMS.

B. TREE REMOVAL, TREE TRUNK PROTECTION, AND TREE ROOT PRUNING SHALL BE DONE AT THE LOCATIONS SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE ENGINEER.

**EARTH EXCAVATION**

A. FOR THIS PROJECT EXCAVATION TO THE SUBGRADE ELEVATION, AGGREGATE BASE COURSE, UNLESS INCLUDED IN OTHER PAY ITEMS, SHALL BE CONSIDERED AS EARTH EXCAVATION. EXCAVATION FOR TOPSOIL PLACEMENT SHALL BE CONSIDERED AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS.

B. EXCAVATION REQUIRED FOR CLEANING SIDE ROAD DITCHES, CONSTRUCTING DRIVEWAYS AND/OR CONSTRUCTING SIDE ROAD APPROACHES SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.

C. ALL SUITABLE EXCESS MATERIAL FROM SEWER TRENCHES, SIDE ROADS, ENTRANCES OR OTHER NECESSARY EXCAVATIONS SHALL BE USED IN THE CONSTRUCTION OF THE ROADWAY. PLACEMENT AND COMPACTION OF THIS MATERIAL SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

D. A SOIL SURVEY AND REPORT WAS PERFORMED AND IS AVAILABLE FOR REVIEW, ATTACHED TO THE SPECIAL PROVISIONS.

**E. LOOSE MATERIAL:**

I. DURING THE CONSTRUCTION OPERATION WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.

II. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.

**UNDERCUTTING:**

A. UNDERCUTTING PROCEDURES SHALL FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT IN THE PROJECT SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

**BITUMINOUS MATERIALS (PRIME COAT):**

**A. MATERIALS:**

I. EMULSIFIED ASPHALT SHALL ONLY BE USED BETWEEN THE DATES OF MAY 15TH AND SEPTEMBER 1ST. ON OR BEFORE MAY 15TH, AND ON OR AFTER SEPTEMBER 1ST, RC 70 ASPHALT SHALL BE USED IN LIEU OF EMULSIFIED ASPHALT.

II. ON DAYS BETWEEN MAY 15TH AND SEPTEMBER 1ST, WHEN THE AIR TEMPERATURE IS IN QUESTION, THE EXACT TYPE OF PRIMING ASPHALT SHALL BE DETERMINED BY THE ENGINEER.

**B. GENERAL:**

I. PRIME COAT MATERIAL SHALL BE SS 1 ON HOT-MIX ASPHALT SURFACES AND MC30 ON AGGREGATE SURFACES.

II. THE CONTRACTOR SHALL ERECT, TO THE ENGINEER'S SATISFACTION, 36 INCH (MINIMUM SIZE) FRESH OIL AHEAD, SIGNS PRIOR TO APPLYING THE PRIME COAT.

III. SHIELDS, COVERS OR OTHER SUITABLE EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR TO PROTECT THE MOTORING PUBLIC, ADJOINING PAVEMENT, CURBS, AND/OR STRUCTURES DURING THE APPLICATION OF THE PRIME COAT.

PROTECTIVE COAT: THE PROTECTIVE COAT SHALL BE APPLIED TO THE EXPOSED SURFACES OF ALL CONCRETE PAVEMENTS AND APPURTENANCES REGARDLESS OF THE CALENDAR DATE LIMITATIONS CONTAINED IN THE FIRST PARAGRAPH OF ARTICLE 420.18 OF THE "STANDARD SPECIFICATIONS".

AGGREGATE BASE COURSE, TYPE B: THE MATERIAL SHALL BE LIMITED TO CRUSHED GRAVEL, CRUSHED STONE OR CRUSHED CONCRETE.

AGGREGATE SHOULDERS, TYPE B: THE MATERIAL SHALL BE LIMITED TO CRUSHED GRAVEL, CRUSHED STONE OR CRUSHED CONCRETE.

**HOT-MIX ASPHALT SURFACE REMOVAL:**

A. IF THE MILLING MACHINE CUTS TOO DEEP OR TEARS OUT AREAS OF THE EXISTING PAVEMENT WHICH WERE TO BE SAVED, THE HOLES SHALL BE FILLED WITH LEVELING BINDER AT THE CONTRACTOR'S EXPENSE.

B. TEMPORARY RAMPS AT BUTT JOINTS SHALL BE PROVIDED ACCORDING TO ARTICLE 406.08 OF THE "STANDARD SPECIFICATIONS". TEMPORARY RAMPS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR THE HOT-MIX ASPHALT SURFACE REMOVAL, OF THE DEPTH SPECIFIED, SCHEDULED FOR THE RAMP LOCATION.

**DRAINAGE**

A. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK.

**B. EXISTING DRAINAGE FACILITIES:**

I. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE

II. WHEN EXISTING DRAINAGE FACILITIES ARE NOT IDENTIFIED IN THE PLANS BUT ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, OR STRUCTURES. THEY SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE ELEMENTS. CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT IF NECESSARY. A TEMPORARY OUTLET SHALL BE PREPARED TO DISPOSE OF WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME A PERMANENT CONNECTION TO SEWERS IS BUILT AND IN SERVICE.

**C. STRUCTURES, FRAMES AND GRATES:**

I. DRAINAGE STRUCTURE GRADES SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION OF DRAINAGE ITEMS. DRAINAGE STRUCTURES MAY REQUIRE REVISIONS TO MEET EXISTING FIELD CONDITIONS. ANY ADJUSTMENT SHALL BE AS DIRECTED BY THE ENGINEER.

II. UNLESS OTHERWISE NOTED, LOCATIONS SHOWN ON THE PLANS ARE TO THE EDGE OF PAVEMENT FOR STRUCTURES IN THE CURB AND TO THE CENTER OF THE STRUCTURE FOR ALL OTHER STRUCTURES. FLAT TOPS AND CONES ARE TO BE TURNED SO THAT THE FRAME IS CLOSEST TO THE CENTER LINE OF THE ROAD, UNLESS OTHERWISE NOTED ON THE STRUCTURE IN THE PLANS. ALL FLAT TOPS AND CONES ARE ASSUMED TO BE ECCENTRIC.

III. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.

IV. THIS WORK SHALL CONSIST OF PROVIDING AN ENVIRONMENTAL NOTICE PROMINENTLY CAST INTO THE ABOVE GRADE PORTION OF THE FRAME OR GRATE/LID FOR ALL NEW OR PROPOSED DRAINAGE STRUCTURES. THE ENVIRONMENTAL NOTICE SHALL BE "DUMP NO WASTE, DRAINS TO WATERWAYS" OR SIMILAR WORDING. THE FRAMES, LIDS AND GRATES SHALL BE ACCORDING TO SECTION 604 OF THE "STANDARD SPECIFICATIONS". THE NOTICE SHALL BE CAST INTO THE TYPE 1 LIDS (OPEN ONLY), TYPE 8 GRATES, TYPE 11 GRATES, AND TYPE 24 GRATES, WILL BE CONSIDERED INCLUDED IN THE COST OF THE SPECIFIED GRATE/LID.

D. PAVEMENT CROSSINGS: HOT-MIX ASPHALT OR CONCRETE PAVEMENT CROSSINGS SHALL NOT BE LEFT IN GRAVEL OVERNIGHT. THIS WILL INCLUDE THE MAIN ROAD, SIDE STREETS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES AND PARKING AREAS. TEMPORARY HOT-MIX ASPHALT PATCHING AT THE CONTRACTOR'S EXPENSE MAY BE USED IN LIEU OF IMMEDIATE PAVEMENT REPLACEMENT.

E. UTILITY CROSSINGS: AT LOCATIONS WHERE THE PROPOSED STORM SEWER CROSSES OVER UTILITIES, A 4" STYROFOAM CUSHION SHALL BE PLACED UNDER THE STORM SEWER WHEN DIRECTED TO DO SO BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

F. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES (NEW AND EXISTING) SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

FILE NAME = F:\877-010 River Roberts Phase II\CADD\SHEETS\877-010-SHT\_GENNOTE.dgn



USER NAME = #USER#	DESIGNED - GJE	REVISED -
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PLOT SCALE = #SCALE#	CHECKED - DBB	REVISED -
PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
GENERAL NOTES**

SCALE: SHEET 3 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	3
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

**PERMITS:**

THE CONTRACTOR SHALL OBTAIN ALL PERMITS PRIOR TO COMMENCEMENT OF WORK.

**CONSTRUCTION ACTIVITIES:**

- A. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
- B. CONSTRUCTION ACTIVITIES MAY OCCUR BETWEEN 7:00 A.M. AND 7:00 P.M. MONDAY THROUGH SATURDAY. CONSTRUCTION ACTIVITIES ON SUNDAYS ARE PROHIBITED. NO WORK WILL PERFORMED ON FEDERAL HOLIDAYS OBSERVED IN ILLINOIS. CONSTRUCTION ACTIVITIES ARE IDENTIFIED AS THE OPERATION OF HEAVY EQUIPMENT, TO INCLUDE BUT NOT LIMITED TO ALL CONSTRUCTION TRUCKS AND EQUIPMENT. THIS IS TO INCLUDE THE WARMING UP OF ANY PIECE OF EQUIPMENT OR TURNING ON ENGINES.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING PAVEMENT OR PROPERTY DAMAGED DURING CONSTRUCTION OPERATIONS PERFORMED BY THE CONTRACTOR FORCES, INCLUDING SUBCONTRACTORS, AT NO ADDITIONAL COST.

**STREET LIGHTING:**

- A. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING, IN THE FIELD, PRIOR TO DRILLING OR EXCAVATING THAT PROPOSED ROADWAY LIGHT POLE FOUNDATION LOCATIONS ARE NOT IN CONFLICT WITH ANY DRAINAGE FEATURES AND EXISTING UTILITIES. ANY POTENTIAL CONFLICTS DISCOVERED IN THE FIELD SHALL BE BROUGHT TO THE ENGINEER'S IMMEDIATE ATTENTION.
- B. THE ROUNDABOUT LIGHTING SYSTEM SHALL BE IN PLACE, OPERATIONAL, AND APPROVED BY THE ENGINEER PRIOR TO OPENING THE ROUNDABOUT TO VEHICLES.

**BACKFILL:**

- A. ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE.

**PUBLIC AND PRIVATE UTILITIES**

- A. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATIONS OF UTILITIES AND EXERCISE CARE DURING HIS/HER CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM.
- B. THE APPROXIMATE LOCATIONS OF KNOWN UTILITIES ARE SHOWN ON THE PLANS. HOWEVER, THE COUNTY DOES NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF UTILITIES SHOWN. ANY PUBLIC UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER OR REPLACED.
- C. PRIVATE UTILITY CONTACTS FOR THIS PROJECT ARE THE FOLLOWING:

AT&T CORP.  
MR. BRUCE BROWN  
BB2439@ATT.COM  
1000 COMMERCE DRIVE, FLOOR 2  
OAK BROOK, IL 60523  
630-573-5715

COMCAST CORP.  
MR. ROBERT L. SCHULTER  
BOB\_SCHULTER@CABLE.COMCAST.COM  
688 INDUSTRIAL DR.  
ELMHURST, IL 60126  
630-600-6347

COMED  
MR. DAVID SCHACHT  
DAVID.SCHACHT@COMED.COM  
LINCOLN CENTER 2  
OAKBROOK TERRACE, ILL 60181  
630-437-2129

NICOR  
MR. CHRIS WINTERS  
CWINTER@AGLRESOURCES.COM  
300 W. TERRACOTTA AVE.  
CRYSTAL LAKE, IL 60014  
815-261-9418

**MISCELLANEOUS**

A. THE CONTRACTOR SHALL MAINTAIN EXISTING SIDE STREET ACCESS, EXISTING DRIVEWAY ACCESS, AND PEDESTRIAN ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT, UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER.

B. SAW CUTTING OF PAVEMENTS, SHOULDERS, ETC. SHALL BE FULL DEPTH AND SHALL RESULT IN A CLEAN, STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

C. THE THICKNESSES OF HOT MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASES ON WHICH THE HOT MIX ASPHALT MIXTURES ARE TO BE PLACED.

D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FRESH CONCRETE FROM DAMAGE AND VANDALISM. ANY DAMAGED OR VANDALIZED CONCRETE SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

E. WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION, NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

F. THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.

G. THE CONTRACTOR SHALL PREPARE THE SUBGRADE IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS PRIOR TO THE REMOVAL OF ANY UNSTABLE MATERIALS.

H. ALL DISTURBED AREAS WITHIN THE PROJECT THAT ARE NOT OTHERWISE SURFACED SHALL BE CLEARED, LAYERED WITH TOPSOIL, AND SEEDED OR SODDED AS SHOWN IN THE PLANS.

I. USE A FERTILIZER WITH AN ANALYSIS OF 1:1 RATIO AT THE FOLLOWING RATE PER ACRE:

	SEEDING	SODDING
NITROGEN	60 LBS.	90 LBS.
POTASSIUM	60 LBS.	90 LBS.

J. SUPPLEMENTAL WATERING SHALL BE PERFORMED WHEN DIRECTED BY THE ENGINEER AT A RATE OF 3 GAL PER SQ. YD.

K. THE CONTRACTOR SHALL DISPOSE OF ALL DEBRIS, CURB AND GUTTER, PAVEMENT, AND ALL OTHER EXCAVATED MATERIAL. NOT FOR SALVAGE AT HIS EXPENSE. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE EACH DAY. CONTRACTOR TO ENSURE THAT PLACEMENT WILL NOT OCCUR IN THE FLOOD PLAIN FOR WETLAND.


L. NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN OR NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FOR CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS. DURING CULVERT CONSTRUCTION, THE CONTRACTOR IS TO UTILIZE BY-PASS PUMPING TO DIVERT WATER AROUND THE CULVERTS. THIS WORK IS TO BE CONSIDERED INCLUDED IN THE COST OF TO THE PAY ITEM "PIPE CULVERTS, CLASS A, TYPE 1, 42".

M. THE CONTRACTOR SHALL GIVE THE LAKE COUNTY DOT AT LEAST 48 HOURS PRIOR NOTICE PRIOR TO IMPLEMENTING THE RIVER ROAD STAGING OR THE RIVER ROAD AND ROBERTS ROAD CLOSING.

CHUCK GLEASON  
LAKE COUNTY DOT  
847-377-7447

N. ANY LOOSE MATERIAL, DEPOSITED IN THE FLOW LINE OF DITCHES STRUCTURES WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE PATHS SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED DRAINAGE ITEMS.

FILE NAME: F:\377-018 River Roberts Phase 1\CAD\01 SHEETS\377-018-SHT\_GENNOTE.dgn

	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RIVER ROAD AT ROBERTS ROAD GENERAL NOTES</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -		3704	07-00086-08-CH	LAKE	183	4		
PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -	SCALE: SHEET 4 OF 183 SHEETS STA. TO STA.		CONTRACT NO. 63875		ILLINOIS FED. AID PROJECT				
DATE - 11/08/2013	DATE - 11/08/2013	REVISED -									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003	SPECIAL BRIDGE 0040	LANDSCAPING 0031	SAFETY 0021	80% FEDERAL 16% LCDOT 4% VILLAGE OF LAKE BARRINGTON 0021	100% VILLAGE OF LAKE BARRINGTON 0021
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,607	1,537					70
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	359	359					
20101000	TEMPORARY FENCE	FOOT	2,482	2,482					
20101100	TREE TRUNK PROTECTION	EACH	28	23					5
20200100	EARTH EXCAVATION	CU YD	25,529	25,437				64	28
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,348	1,281				36	31
20800150	TRENCH BACKFILL	CU YD	75	61					14
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	12,401	12,401					
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	200	200					
• 25000322	SEEDING, CLASS 5A	ACRE	2.95	2.85					0.10
• 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	509	509					
• 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	509	509					
• 25100630	EROSION CONTROL BLANKET	SQ YD	7,161	6,675					486
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	586	586					
28000305	TEMPORARY DITCH CHECKS	FOOT	476	476					

\* SPECIALTY ITEM  
 \*\* CONSTRUCTION CODE 0042: TRAINEES

FILE NAME = F:\877-010 River Roberts Phase 1\1\000\_SHEETS\877-010\_SHT\_500.dgn



USER NAME = #USER#	DESIGNED - GJE	REVISED -
PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/7/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
 SUMMARY OF QUANTITIES**

SCALE: SHEET 5 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	5
CONTRACT NO. 63875			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003	SPECIAL BRIDGE 0040	LANDSCAPING 0031	SAFETY 0021	80% FEDERAL 16% LCDOT 4% VILLAGE OF LAKE BARRINGTON 0021	100% VILLAGE OF LAKE BARRINGTON 0021	
28000315	AGGREGATE DITCH CHECKS	TON	2	2						
28000400	PERIMETER EROSION BARRIER	FOOT	2,267	2,267						
28000500	INLET AND PIPE PROTECTION	EACH	49	47					2	
28000510	INLET FILTERS	EACH	19	19						
28100109	STONE RIPRAP, CLASS A5	SQ YD	153	150					3	
28200200	FILTER FABRIC	SQ YD	153	150					3	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	16,595	16,595						
30300104	AGGREGATE SUBGRADE IMPROVEMENT 4"	SQ YD	297					91	206	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	12,401	12,401						
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	3,045	2,437				428	180	
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	769	769						
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,973	2,973						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	57	57						
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	437	437						
40701911	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 11 1/2"	SQ YD	9,364	9,364						

\* SPECIALTY ITEM  
 \*\* CONSTRUCTION CODE 0042: TRAINEES

FILE NAME = F:\177-018 River Roberts Phase 1\177-018-SHEETS\177-018-SHT\_500.dgn



USER NAME = #USER#	DESIGNED - GJE	REVISED -
	DRAWN - GJE	REVISED -
PLOT SCALE = #SCALE#	CHECKED - DBB	REVISED -
PLOT DATE = 11/7/2013	DATE - 11/08/2013	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

RIVER ROAD AT ROBERTS ROAD  
 SUMMARY OF QUANTITIES

SCALE: SHEET 6 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	6
				CONTRACT NO. 63875
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003	SPECIAL BRIDGE 0040	LANDSCAPING 0031	SAFETY 0021	80% FEDERAL 16% LCDOT 4% VILLAGE OF LAKE BARRINGTON 0021	100% VILLAGE OF LAKE BARRINGTON 0021
42001200	PAVEMENT FABRIC	SQ YD	257	257					
42001300	PROTECTIVE COAT	SQ YD	3,060	2,807					253
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	9,106	3,629				3,856	1,621
42400800	DETECTABLE WARNINGS	SQ FT	296				256	28	12
44000100	PAVEMENT REMOVAL	SQ YD	9,695	9,617					78
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2,821	2,821					
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	787	787					
44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	78						78
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	8,151	8,151					
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	754	754					
50105220	PIPE CULVERT REMOVAL	FOOT	119	64					55
50200100	STRUCTURE EXCAVATION	CU YD	68		68				
50300225	CONCRETE STRUCTURES	CU YD	28.3		28.3				
50300285	FORM LINER TEXTURED SURFACE	SQ FT	465		465				
50500505	STUD SHEAR CONNECTORS	EACH	200		200				

\* SPECIALTY ITEM  
 \*\* CONSTRUCTION CODE 0042: TRAINEES

FILE NAME = F:\877-018 River Roberts Phase II\CADD\SHEETS\877-018\_SHT\_500.dgn



USER NAME = #USER#	DESIGNED - GJE	REVISED -
DRAWN - GJE	CHECKED - DBB	REVISED -
PLOT SCALE = #SCALE#	DATE - 11/08/2013	REVISED -
PLOT DATE = 11/7/2013		

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

RIVER ROAD AT ROBERTS ROAD  
 SUMMARY OF QUANTITIES


SCALE: SHEET 7 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63875	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003	SPECIAL BRIDGE 0040	LANDSCAPING 0031	SAFETY 0021	80% FEDERAL 16% LCDOT 4% VILLAGE OF LAKE BARRINGTON 0021	100% VILLAGE OF LAKE BARRINGTON 0021
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,120		3,120				
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3	3					
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2					
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	3	3					
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	2	2					
542A1057	PIPE CULVERTS, CLASS A, TYPE 2 12"	FOOT	111	36					75
542A1060	PIPE CULVERTS, CLASS A, TYPE 2 15"	FOOT	50	50					
542A1087	PIPE CULVERTS, CLASS A, TYPE 2 42"	FOOT	88	88					
5422A012	PIPE CULVERTS, CLASS A, TYPE 2 12" (TEMPORARY)	FOOT	268	268					
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	1,039	1,039					
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	183	183					
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	186	186					
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	611	611					
55100500	STORM SEWER REMOVAL 12"	FOOT	782	782					
59100100	GEOCOMPOSITE WALL DRAIN	SO YD	48		48				

\* SPECIALTY ITEM  
 \*\* CONSTRUCTION CODE 0042: TRAINEES

FILE NAME : F:\077-010 River Roberts Phase II\CADD SHEETS\077-010\_SHT\_500.dgn


 <b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RIVER ROAD AT ROBERTS ROAD</b> <b>SUMMARY OF QUANTITIES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -					3704	07-00086-08-CH	LAKE	183	8
	PLOT DATE = 11/7/2013	CHECKED - DBB	REVISED -					CONTRACT NO. 63875				
	DATE - 11/08/2013	DATE - 11/08/2013	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET 8 OF 183 SHEETS	STA.	TO STA.					



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003	SPECIAL BRIDGE 0040	LANDSCAPING 0031	SAFETY 0021	80% FEDERAL 16% LCDOT 4% VILLAGE OF LAKE BARRINGTON 0021	100% VILLAGE OF LAKE BARRINGTON 0021
60107600	PIPE UNDERDRAINS 4"	FOOT	3,379	3,379					
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1					
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1					
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	4	4					
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	6	6					
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1					
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2					
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3					
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1					
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1					
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	3	3					
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	6	6					
60500040	REMOVING MANHOLES	EACH	1	1					
60500050	REMOVING CATCH BASINS	EACH	1	1					
60500060	REMOVING INLETS	EACH	6	6					

\* SPECIALTY ITEM  
 \*\* CONSTRUCTION CODE 0042: TRAINEES


FILE NAME = F:\077-018 River Roberts Phase I\CAD\00 SHEETS\077-018\_SHT\_500.dgn

 <b>Bollinger, Lach &amp; Associates, Inc.</b> <small>ITASCA, ILLINOIS</small>	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RIVER ROAD AT ROBERTS ROAD</b> <b>SUMMARY OF QUANTITIES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -					3704	07-00086-08-CH	LAKE	183	9
	PLOT DATE = 11/7/2013	CHECKED - DBB	REVISED -					CONTRACT NO. 63875				
				SCALE:		SHEET 9 OF 183 SHEETS		STA.		TO STA.		
ILLINOIS FED. AID PROJECT												

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003	SPECIAL BRIDGE 0040	LANDSCAPING 0031	SAFETY 0021	80% FEDERAL 16% LCDOT 4% VILLAGE OF LAKE BARRINGTON 0021	100% VILLAGE OF LAKE BARRINGTON 0021
60600605	CONCRETE CURB, TYPE B	FOOT	458	410				31	17
60602800	CONCRETE GUTTER, TYPE B	FOOT	98		98				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2,151	1,833				66	252
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	3,750	3,750					
60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	258	258					
67100100	MOBILIZATION	L SUM	1	1					
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	18	18					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	14,473	14,473					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	150	150					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	30	30					
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	2,617	2,617					
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,875	1,875					
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,819	1,819					
70600275	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 2	EACH	4	4					
70600355	IMPACT ATTENUATORS, RELOCATE (SEVERE USE), TEST LEVEL 2	EACH	2	2					

\* SPECIALTY ITEM  
 \*\* CONSTRUCTION CODE 0042: TRAINEES

FILE NAME = F:\077-010 River Roberts Phase 1\11-0-00-SHEETS\077-010-SHT\_500.dgn

 <b>Bollinger, Lach &amp; Associates, Inc.</b> <small>ITASCA, ILLINOIS</small>	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RIVER ROAD AT ROBERTS ROAD</b> <b>SUMMARY OF QUANTITIES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -					3704	07-00086-08-CH	LAKE	183	10
	PLOT DATE = 11/7/2013	CHECKED - DBB	REVISED -					CONTRACT NO. 63875				
				SCALE:		SHEET 10 OF 183 SHEETS STA.		TO STA.		ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003	SPECIAL BRIDGE 0040	LANDSCAPING 0031	SAFETY 0021	80% FEDERAL 16% LCDOT 4% VILLAGE OF LAKE BARRINGTON 0021	100% VILLAGE OF LAKE BARRINGTON 00 21
* 72000100	SIGN PANEL - TYPE 1	SO FT	617	617					
* 72000200	SIGN PANEL - TYPE 2	SO FT	20	20					
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	18	18					
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	8	8					
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1					
* 72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	2,376	2,376					
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	902	902					
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	17	17					
* 73400100	CONCRETE FOUNDATIONS	CU YD	6	6					
• 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	492	492					
• 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,467	4,467					
• 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	4,032	3,904					128
• 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	429	429					
• 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	481	481					
• 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	694	694					

\* SPECIALTY ITEM  
 \*\* CONSTRUCTION CODE 0042: TRAINEES

FILE NAME = F:\877-018 River Roberts Phase II\CADD\SHEETS\877-018\_SHT\_500.dgn



USER NAME = #USER#  
 PLOT SCALE = #SCALE#  
 PLOT DATE = 11/7/2013

DESIGNED - GJE  
 DRAWN - GJE  
 CHECKED - DBB  
 DATE - 11/08/2013

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
 SUMMARY OF QUANTITIES**

SCALE: SHEET 11 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63875	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003	SPECIAL BRIDGE 0040	LANDSCAPING 0031	SAFETY 0021	80% FEDERAL 16% LCDOT 4% VILLAGE OF LAKE BARRINGTON 0021	100% VILLAGE OF LAKE BARRINGTON 0021
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	11	11					
78300100	PAVEMENT MARKING REMOVAL	SQ FT	2,401	2,401					
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1				1		
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1				1		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	50				50		
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	240				240		
* 81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	35				35		
* 81603060	UNIT DUCT, 600V, 3-1C NO.8, 1/C NO.10 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	600				600		
* 81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	150				150		
* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	15				15		
* 82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	1				1		
* 83060120	LIGHT POLE, GALVANIZED STEEL, 30 FT. M.H., 8 FT. MAST ARM	EACH	11				11		
* 83060150	LIGHT POLE, GALVANIZED STEEL, 30 FT. M.H., 15 FT. MAST ARM	EACH	4				4		
* 83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	150				150		

\* SPECIALTY ITEM  
 \*\* CONSTRUCTION CODE 0042: TRAINEES

FILE NAME = F:\877-918 River Roberts Phase II\CAD\DD-SHEETS\877-918-SHT\_500.dgn



USER NAME = gellwanger	DESIGNED - GJE	REVISED -
PLOT SCALE = 20.0000' / 1" =	DRAWN - GJE	REVISED -
PLOT DATE = 11/7/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
SUMMARY OF QUANTITIES**


SCALE: SHEET 12 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	12
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003	SPECIAL BRIDGE 0040	LANDSCAPING 0031	SAFETY 0021	80% FEDERAL 16% LCDOT 4% VILLAGE OF LAKE BARRINGTON 0021	100% VILLAGE OF LAKE BARRINGTON 0021
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1					
A2000118	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	4			4			
A2002920	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3			3			
A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3			3			
A2006416	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3			3			
A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	6			6			
A2007120	TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	13			13			
A2007620	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2			2			
A2016616	TREE, QUERCUS ELLIPSOIDALIS (HILL'S OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3			3			
B2000568	TREE, AMELANCHIER CANADENSIS (SHADBLOW SERVICEBERRY), 7' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	9			9			
B2001566	TREE, CRATAEGUS CRUSGALLI (COCKSPUR HAWTHORN), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	8			8			
D2000172	EVERGREEN, ABIES CONCOLOR (WHITE FIR), 6' HEIGHT, BALLED AND BURLAPPED	EACH	2			2			
D2002272	EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	5			5			
K0013000	PERENNIAL PLANTS, PRAIRIE TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	4			4			
K0013020	PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT	UNIT	30			30			

\* SPECIALTY ITEM  
 \*\* CONSTRUCTION CODE 0042: TRAINEES

FILE NAME = F:\877-818 River Roberts Phase 1\1\CAD\00-SHEETS\877-818-SHT\_500.dgn

	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RIVER ROAD AT ROBERTS ROAD</b> <b>SUMMARY OF QUANTITIES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -					3704	07-00086-08-CH	LAKE	183	13
	PLOT DATE = 11/7/2013	CHECKED - DBB	REVISED -					CONTRACT NO. 63875			ILLINOIS FED. AID PROJECT	
				SCALE:	SHEET 13 OF 183 SHEETS	STA.	TO STA.					

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003	SPECIAL BRIDGE 0040	LANDSCAPING 0031	SAFETY 0021	80% FEDERAL 16% LCDOT 4% VILLAGE OF LAKE BARRINGTON 0021	100% VILLAGE OF LAKE BARRINGTON 0021
* K0013055	PERENNIAL PLANTS, WETLAND EMERGENT	ACRE	0.24			0.24			
* K1003680	MULCH	SQ YD	2,983			2,983			
X0322871	MAINTENANCE OF EROSION CONTROL SYSTEM	L SUM	1			1			
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	4	4					
* XX001249	ORNAMENTAL FENCE	FOOT	99	99					
X0324455	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	415		415				
* X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	1				1		
X0426200	DEWATERING	L SUM	1	1					
* X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	1,000	1,000					
X2111100	TOPSOIL EXCAVATION AND PLACEMENT, SPECIAL	CU YD	4,428	4,428					
* X2501010	SEEDING, CLASS 2 (MODIFIED)	ACRE	0.18	0.18					
* X2510635	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL	SQ YD	7,107	7,107					
* X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	338	338					
* X2511640	EROSION CONTROL BLANKET (MODIFIED)	SQ YD	17,226			17,226			
* X2800400	PERIMETER EROSION BARRIER, SPECIAL	FOOT	2,482	2,482					

\* SPECIALTY ITEM  
 \*\* CONSTRUCTION CODE 0042: TRAINEES


FILE NAME = F:\977-010 River Roberts Phase I\CADD\SHEETS\977-010-SHT\_500.dgn

 <b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RIVER ROAD AT ROBERTS ROAD</b> <b>SUMMARY OF QUANTITIES</b>	F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 14
	PLOT SCALE = 20.0000' / 1" =	CHECKED - DBB	REVISED -			CONTRACT NO. 63875				
	PLOT DATE = 11/25/2013	DATE - 11/08/2013	REVISED -			ILLINOIS FED. AID PROJECT				
	SCALE: SHEET 14 OF 183 SHEETS STA. TO STA.									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				ROADWAY 0003	SPECIAL BRIDGE 0040	LANDSCAPING 0031	SAFETY 0021	80% FEDERAL 16% LCDOT 4% VILLAGE OF LAKE BARRINGTON 0021	100% VILLAGE OF LAKE BARRINGTON 0021	
X4023000	TEMPORARY ACCESS (ROAD)	EACH	1	1						
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	10		10					
X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	18	18						
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1						
X7230400	INSTALL EXTRUDED SIGN PANEL	SQ FT	144	144						
* X7810300	RECESSED REFLECTIVE PAVMENT MARKER	EACH	119	119						
* XX005054	LANDSCAPE PLANTING COMPLETE	L SUM	1			*** 1				
* XX005920	SEEDING WET PRAIRIE	ACRE	0.24			0.24				
* XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1				1			
* XX006622	EMERGENT/SHORELINE SEEDING MIX	ACRE	0.56			0.56				
XX006652	STAMPED COLORED PORTLAND CEMENT CONCRETE MEDIAN SURFACE, 4" (SPECIAL)	SQ FT	2,539	2,539						
* XX006655	LAYER II (DATALINK) SWITCH	EACH	1				1			
XX006658	FLOCCULATION LOGS	EACH	20	20						
XX006659	FLOCCULATION POWDER	POUND	100	100						

\* SPECIALTY ITEM      \*\*\* NON-PARTICIPATING ITEM (COUNTY)  
 \*\* CONSTRUCTION CODE 0042: TRAINEES


FILE NAME = F:\1977-010 River Roberts Phase I\1\CAD\00\_SHEETS\077-010\_SHT\_500.dgn

 <b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RIVER ROAD AT ROBERTS ROAD</b> <b>SUMMARY OF QUANTITIES</b>	F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 15		
	PLOT SCALE = 20.0000' / in.	CHECKED - DBB	REVISED -			SCALE:	SHEET 15 OF 183 SHEETS	STA.	TO STA.	CONTRACT NO. 63875		
	PLOT DATE = 11/25/2013	DATE - 11/08/2013	REVISED -			ILLINOIS FED. AID PROJECT						

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003	SPECIAL BRIDGE 0040	LANDSCAPING 0031	SAFETY 0021	80% FEDERAL 16% LCDOT 4% VILLAGE OF LAKE BARRINGTON 0021	100% VILLAGE OF LAKE BARRINGTON 0021
* XX006660	WETLAND PLANTS	EACH	1,165			1,165			
* XX006709	SEEDING, CLASS 5 (MODIFIED) MESIC PRAIRIE	ACRE	2.82			2.82			
* XX006898	STAMPED COLORED PORTLAND CEMENT CONCRETE	SQ FT	2,315	2,315					
XX007023	STAINING CONCRETE STRUCTURES	SQ YD	93		93				
XX007860	AGGREGATE BASE COURSE, SPECIAL	SQ YD	710	710					
* XX008253	VIDEO ENCODER	EACH	1				1		
* XX008392	OUTDOOR RATED NETWORK CABLE	FOOT	30				30		
XX008865	PERMIABLE PLASTIC BERM	FOOT	528	528					
XX008873	AGGREGATE SURFACE COURSE (SPECIAL)	FOOT	111	111					
* XX008916	CONTROLLED STIFFNESS COLUMNS	L SUM	1		1				
Z0007118	UNTREATED TIMBER LAGGING	SQ FT	435		435				
Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	795						795
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	108	108					
Z0019600	DUST CONTROL WATERING	UNIT	10	10					
Z0022800	FENCE REMOVAL	FOOT	1,104	1,104					

\* SPECIALTY ITEM  
 \*\* CONSTRUCTION CODE 0042: TRAINEES

FILE NAME = F:\B77-010 River Roberts Phase 1\CAD\B77-010-SHT\_SDU.dgn

 <b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS	USER NAME = gellwanger	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RIVER ROAD AT ROBERTS ROAD</b> <b>SUMMARY OF QUANTITIES</b>	F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 16			
	PLOT SCALE = 20.0000' / in.	CHECKED - DBB	REVISED -			SCALE:	SHEET 16 OF 183 SHEETS	STA. TO STA.	CONTRACT NO. 63875				
	PLOT DATE = 11/25/2013	DATE - 11/08/2013	REVISED -			ILLINOIS FED. AID PROJECT							



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				ROADWAY 0003	SPECIAL BRIDGE 0040	LANDSCAPING 0031	SAFETY 0021	80% FEDERAL 16% LCDOT 4% VILLAGE OF LAKE BARRINGTON 0021	100% VILLAGE OF LAKE BARRINGTON 0021
Z0026402	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	186		186				
Z0027800	GEOTECHNICAL FABRIC	SQ YD	710	710					
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103	103					
Z0041500	PLUG EXISTING CULVERTS	EACH	2	2					
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	123		123				
Z0062456	TEMPORARY PAVEMENT	SQ YD	1,608	1,608					
Z0070200	SURVEY MONUMENTS	EACH	1	1					
Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	9,860		9,860				
** Z0076600	TRAINEES	HOUR	1,500	1,500					
** Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,500	1,500					
LR503200	LOAD CHARGE	LOAD	6	6					

\* SPECIALTY ITEM  
 \*\* CONSTRUCTION CODE 0042: TRAINEES

FILE NAME = F:\877-810 River Roberts Phase II\ROAD SHEETS\877-810\_SHT\_500.dgn



**Bollinger, Lach & Associates, Inc.**  
 ITASCA, ILLINOIS

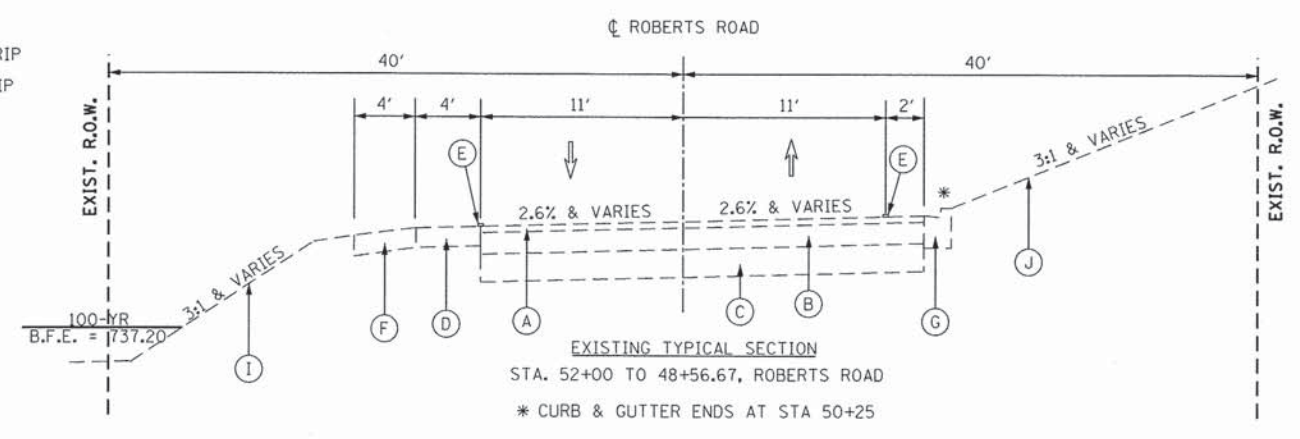
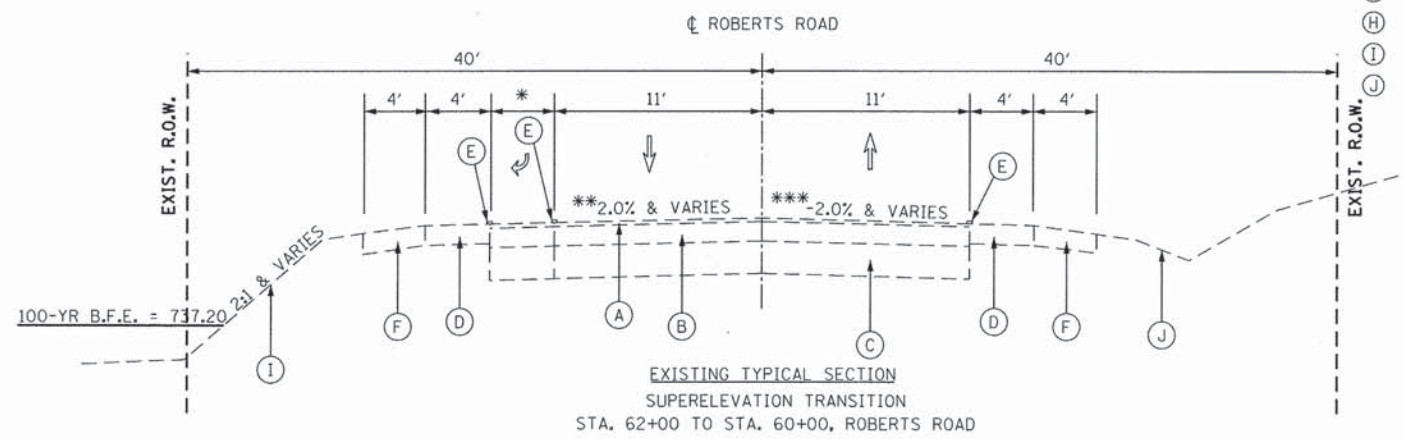
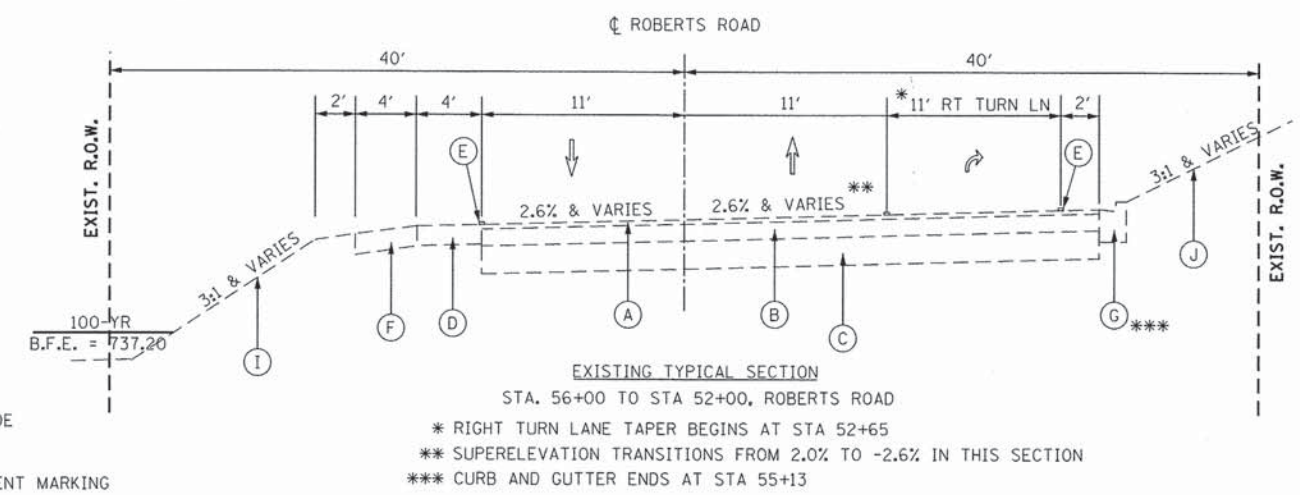
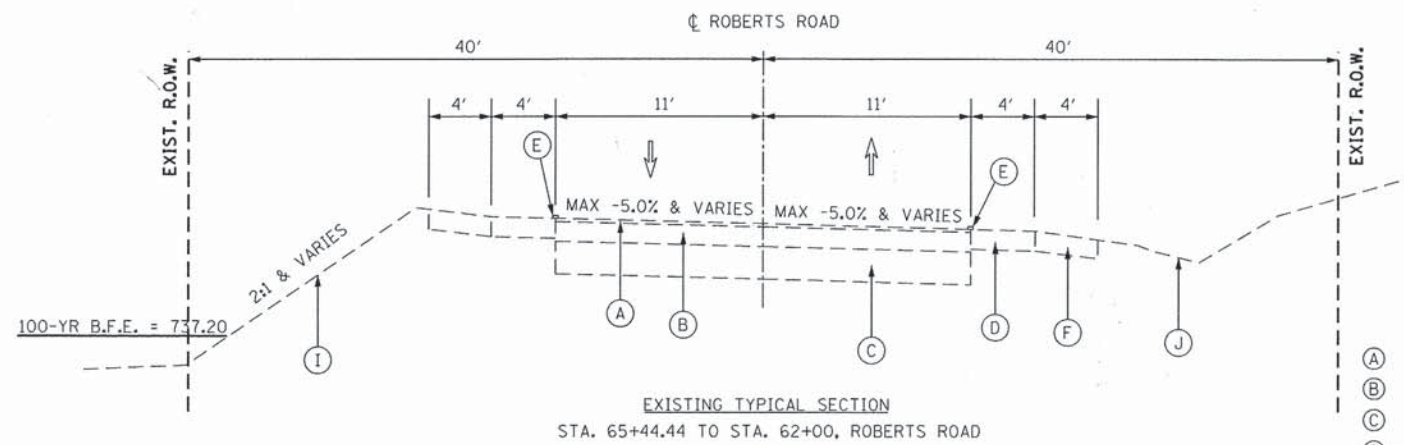
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	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

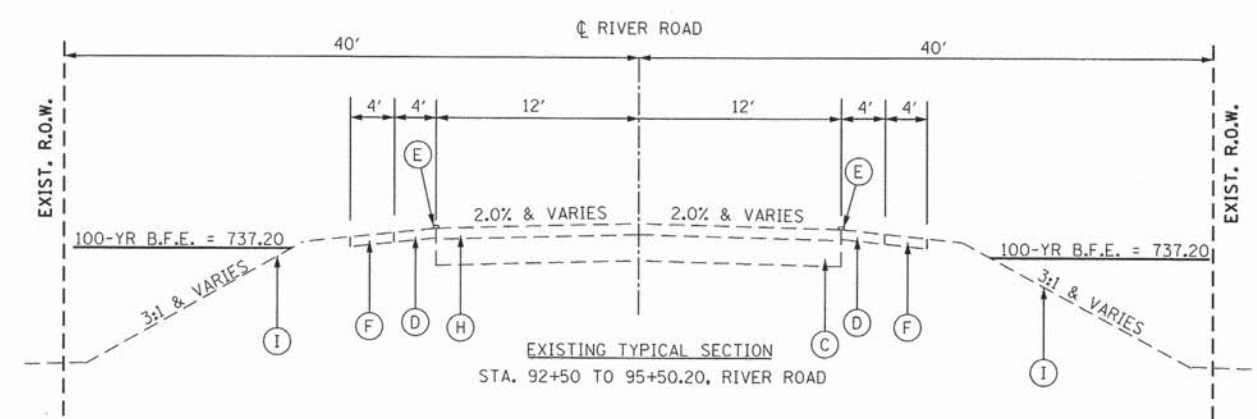
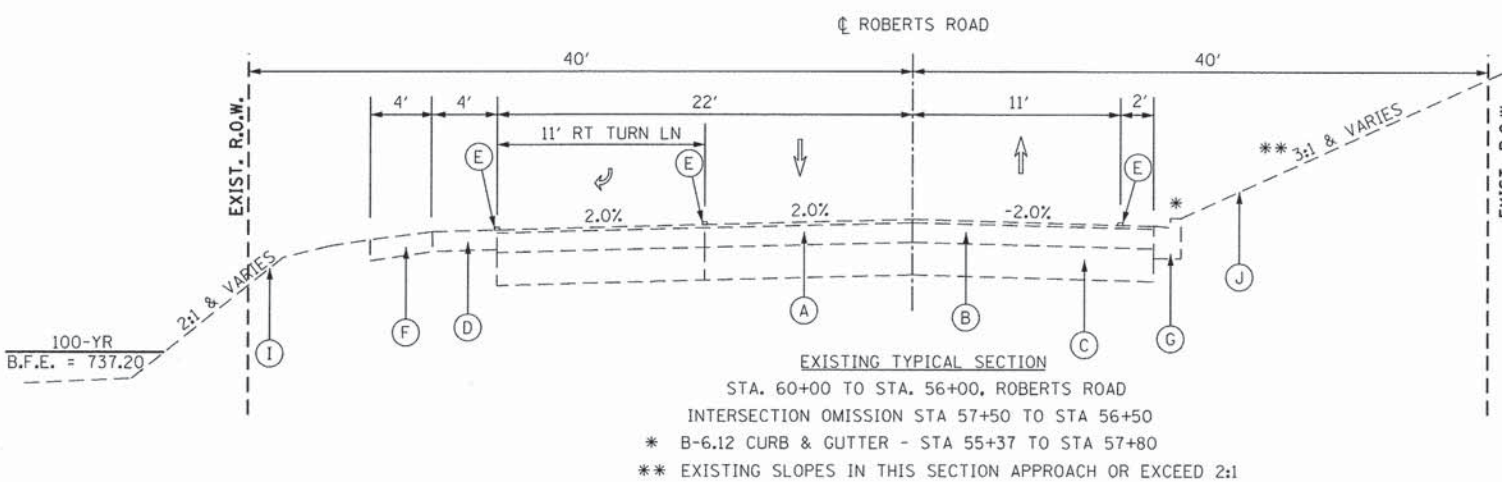
**RIVER ROAD AT ROBERTS ROAD  
 SUMMARY OF QUANTITIES**

SCALE: SHEET 17 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	17
			CONTRACT NO. 63875	
ILLINOIS FED. AID PROJECT				



\* RIGHT TURN LANE TAPER WIDENS PAVEMENT THROUGH SECTION (0 FT TO 11 FT)  
\*\* SUPERELEVATION TRANSITIONS FROM -5.0% TO 2.0% IN THIS SECTION  
\*\*\* SUPERELEVATION TRANSITIONS FROM -5.0% TO -2.0% IN THIS SECTION



- EXISTING
- (A) 1.5" HMA SURFACE
  - (B) 5.5" HMA BINDER
  - (C) 7" AGGREGATE SUBGRADE
  - (D) 6" HMA SHOULDER
  - (E) THERMOPLASTIC PAVEMENT MARKING
  - (F) 6" AGGREGATE SHOULDER
  - (G) B-6.12 CURB & GUTTER
  - (H) 7-7.5" HMA PAVEMENT
  - (I) PROP. 12" TOPSOIL STRIP
  - (J) PROP. 4" TOPSOIL STRIP

FILE NAME: F:\S77-018 River Roberts Phase I\CAD\02 SHEETS\077-018\_SHT\_TYP\_01.dgn



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PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROBERTS ROAD & RIVER RD  
TYPICAL SECTIONS

SCALE: NTS SHEET 17 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-0086-08-CH	LAKE	183	18
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

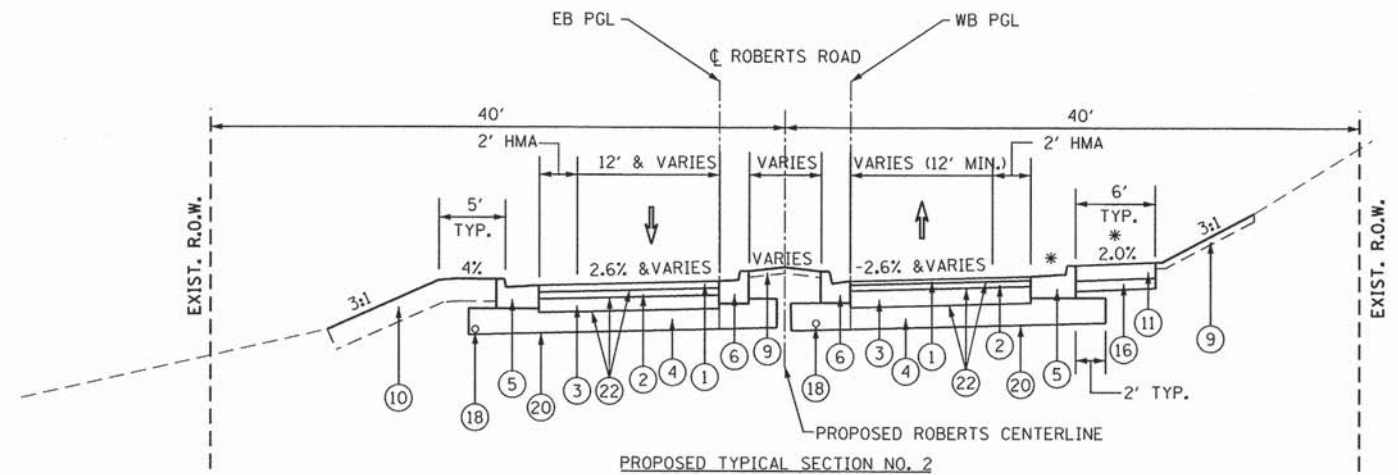
HMA MIXTURE REQUIREMENTS CHART		
MIXTURE TYPE	AIR VOIDS @ Ndes	THICKNESS
<b>FULL DEPTH PAVEMENT, 11 1/2"</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm), 2 1/2"	4% @ 70 GYR.	2 1/2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 3"	4% @ 70 GYR.	3"
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm)	4% @ 70 GYR.	6" (2 LIFTS)
<b>HMA RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm), 2.0"	4% @ 70 GYR.	2"
<b>FOREST PRESERVES TRAIL</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm), 3"	4% @ 70 GYR.	3"
<b>TEMPORARY PAVEMENT</b>		
TEMPORARY PAVEMENT (HMA BINDER N70 (IL-19mm))	4% @ 70 GYR.	11 1/2" (4 LIFTS)

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SO YD/IN

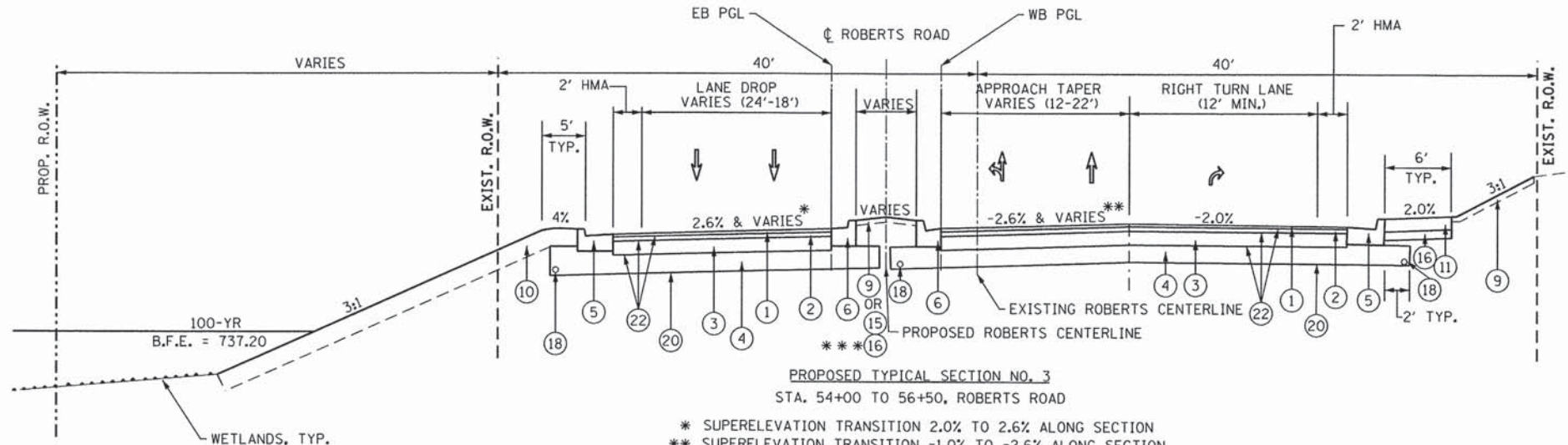
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22 AND FOR NON-POLYMERIZED HMA THE AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.  
FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.

**PROPOSED**

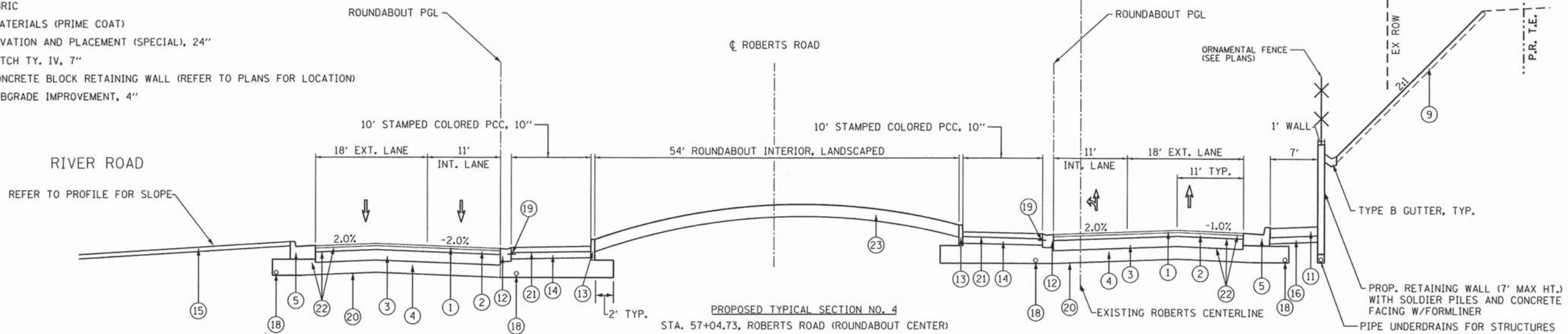
- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2 1/2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 3"
- ③ HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0 mm)
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 3"
- ⑧ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑨ TOPSOIL EXCAVATION AND PLACEMENT (SPECIAL), 4"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT (SPECIAL), 12"
- ⑪ P.C.C. SIDEWALK, 5"
- ⑫ CONCRETE CURB & GUTTER, TYPE M-2.12
- ⑬ CONCRETE CURB TYPE B, 6"
- ⑭ STAMPED COLORED PCC MEDIAN SURFACE
- ⑮ STAMPED COLORED PCC MEDIAN SURFACE, 4" (SPECIAL) (REFER TO PLANS FOR LOCATION)
- ⑯ AGGREGATE BASE COURSE, TYPE B, 4"
- ⑰ AGGREGATE SHOULDERS, TYPE B, 6"
- ⑱ PIPE UNDERDRAIN, 4"
- ⑲ NO. 4 X 2'-0" TIE BARS, SPACED @ 3'-0" C-C
- ⑳ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ㉑ PAVEMENT FABRIC
- ㉒ BITUMINOUS MATERIALS (PRIME COAT)
- ㉓ TOPSOIL EXCAVATION AND PLACEMENT (SPECIAL), 24"
- ㉔ CLASS "D" PATCH TY. IV, 7"
- ㉕ SEGMENTAL CONCRETE BLOCK RETAINING WALL (REFER TO PLANS FOR LOCATION)
- ㉖ AGGREGATE SUBGRADE IMPROVEMENT, 4"



**PROPOSED TYPICAL SECTION NO. 2**  
STA. 49+28.77 TO 54+00, ROBERTS ROAD  
\* CURB & GUTTER AND SIDEWALK CONTINUE TO TWIN POND RD. AT STA. 46+62.37



**PROPOSED TYPICAL SECTION NO. 3**  
STA. 54+00 TO 56+50, ROBERTS ROAD  
\* SUPERELEVATION TRANSITION 2.0% TO 2.6% ALONG SECTION  
\*\* SUPERELEVATION TRANSITION -1.0% TO -2.6% ALONG SECTION  
\*\*\* PCC MEDIAN SURFACE, 4", STA. 54+00 TO 54+75 AND STA. 55+82 TO 56+46



**PROPOSED TYPICAL SECTION NO. 4**  
STA. 57+04.73, ROBERTS ROAD (ROUNDOUT CENTER)

FILE NAME = F:\B77-918 River-Roberts Phase I\CA000\_SHEETS\B77-918-SHT\_TYP\_02.dgn

**Bollinger, Lach & Associates, Inc.**  
ITASCA, ILLINOIS

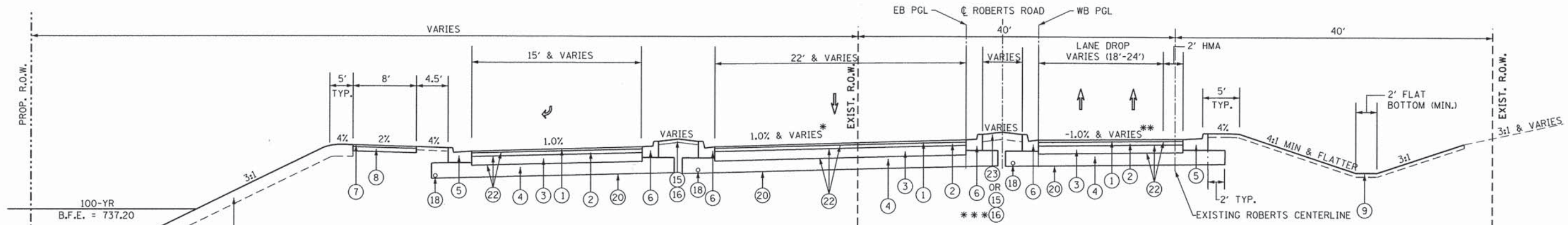
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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROBERTS ROAD  
TYPICAL SECTIONS**

SCALE: NTS      SHEET 19 OF 183 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	19
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

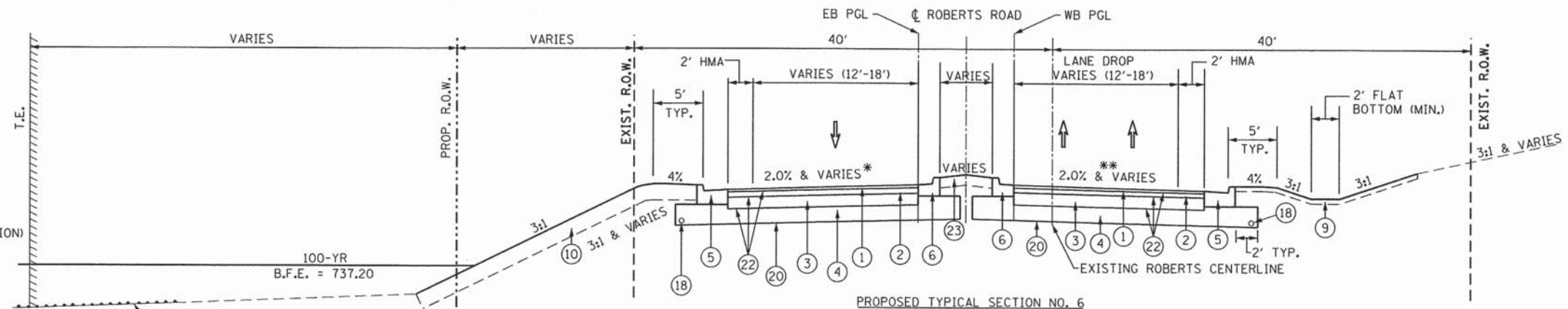


PROPOSED TYPICAL SECTION NO. 5

STA. 58+00 TO 60+00, ROBERTS ROAD  
 INTERSECTION OMISSION STA 58+00 TO 56+50  
 \* SUPERELEVATION TRANSITION 2.0% TO 1.0% ALONG SECTION  
 \*\* SUPERELEVATION TRANSITION 2.0% TO -1.0% ALONG SECTION  
 \*\*\* PCC MEDIAN SURFACE, 4", STA. 57+65 TO 58+98

PROPOSED

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2 1/2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 3"
- ③ HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0 mm)
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 3"
- ⑧ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑨ TOPSOIL EXCAVATION AND PLACEMENT (SPECIAL), 4"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT (SPECIAL), 12"
- ⑪ P.C.C. SIDEWALK, 5"
- ⑫ CONCRETE CURB & GUTTER, TYPE M-2.12
- ⑬ CONCRETE CURB TYPE B, 6"
- ⑭ STAMPED COLORED PCC MEDIAN SURFACE
- ⑮ STAMPED COLORED PCC MEDIAN SURFACE, 4" (SPECIAL) (REFER TO PLANS FOR LOCATION)
- ⑯ AGGREGATE BASE COURSE, TYPE B, 4"
- ⑰ AGGREGATE SHOULDERS, TYPE B, 6"
- ⑱ PIPE UNDERDRAIN, 4"
- ⑲ NO. 4 X 2'-0" TIE BARS, SPACED @ 3'-0" C-C
- ⑳ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ㉑ PAVEMENT FABRIC
- ㉒ BITUMINOUS MATERIALS (PRIME COAT)
- ㉓ TOPSOIL EXCAVATION AND PLACEMENT (SPECIAL), 24"
- ㉔ CLASS "D" PATCH TY. IV, 7"
- ㉕ SEGMENTAL CONCRETE BLOCK RETAINING WALL (REFER TO PLANS FOR LOCATION)
- ㉖ AGGREGATE SUBGRADE IMPROVEMENT, 4"

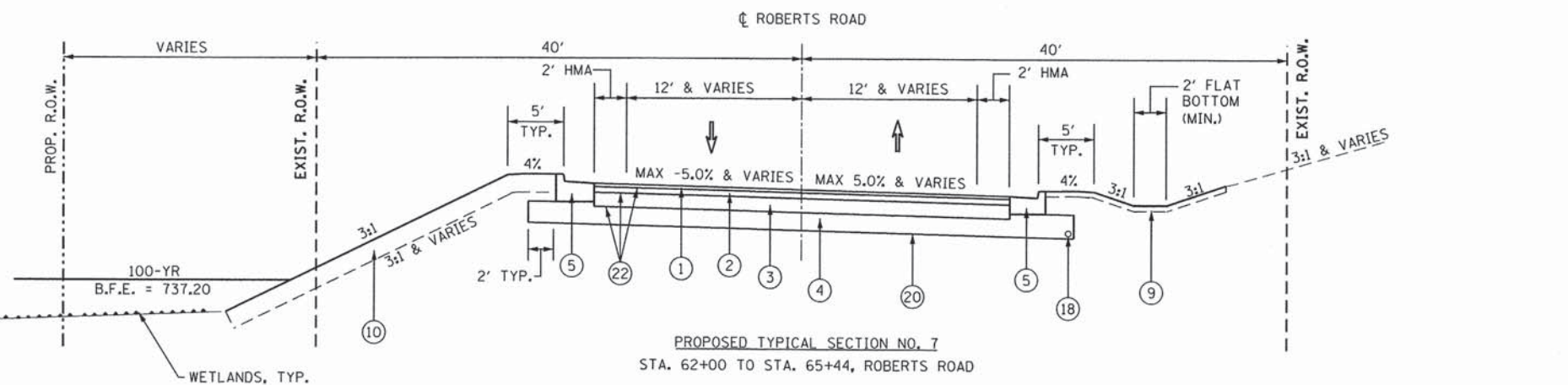


PROPOSED TYPICAL SECTION NO. 6

STA. 60+00 TO 62+00, ROBERTS ROAD  
 \* SUPERELEVATION TRANSITION -5.0% TO 2.0% ALONG SECTION  
 \*\* SUPERELEVATION TRANSITION 5.0 TO 2.0% ALONG SECTION

HMA MIXTURE REQUIREMENTS CHART		
MIXTURE TYPE	AIR VOIDS @ Ndes	THICKNESS
<b>FULL DEPTH PAVEMENT, 11 1/2"</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm), 2 1/2"	4% @ 70 GYR.	2 1/2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 3"	4% @ 70 GYR.	3"
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm)	4% @ 70 GYR.	6" (2 LIFTS)
<b>HMA RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm), 2.0"	4% @ 70 GYR.	2"
<b>FOREST PRESERVES TRAIL</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm), 3"	4% @ 70 GYR.	3"
<b>TEMPORARY PAVEMENT</b>		
TEMPORARY PAVEMENT (HMA BINDER N70 (IL-19mm))	4% @ 70 GYR.	11 1/2" (4 LIFTS)

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SO YD/IN  
 THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22 AND FOR NON-POLYMERIZED HMA THE AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.  
 FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.



PROPOSED TYPICAL SECTION NO. 7  
 STA. 62+00 TO STA. 65+44, ROBERTS ROAD

FILE NAME: F:\1377-018 River Roberts Phase I\1377-018\_SHT\_TYP\_03.dgn



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PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROBERTS ROAD  
 TYPICAL SECTIONS

SCALE: NTS SHEET 20 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	20
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

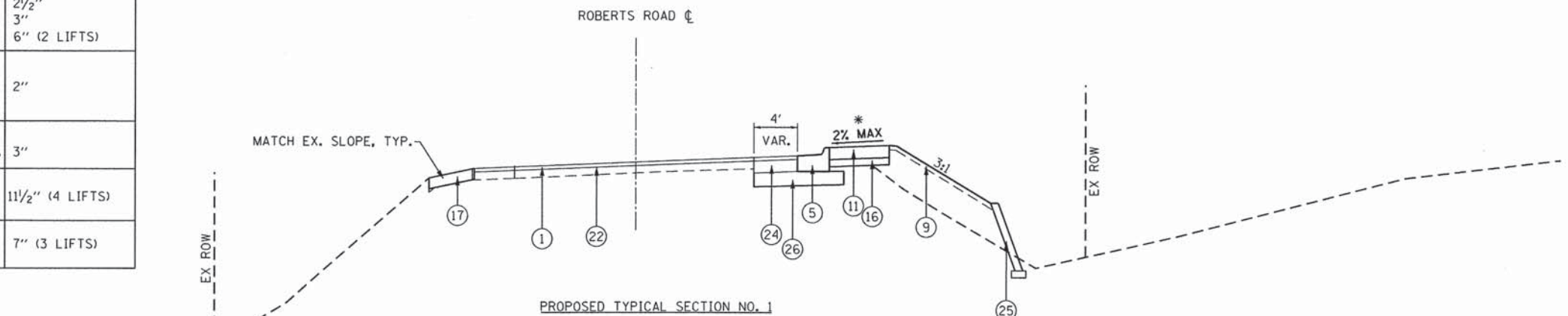
HMA MIXTURE REQUIREMENTS CHART		
MIXTURE TYPE	AIR VOIDS @ Ndes	THICKNESS
<b>FULL DEPTH PAVEMENT, 11 1/2"</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm), 2 1/2"	4% @ 70 GYR.	2 1/2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 3"	4% @ 70 GYR.	3"
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm)	4% @ 70 GYR.	6" (2 LIFTS)
<b>HMA RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm), 2.0"	4% @ 70 GYR.	2"
<b>FOREST PRESERVES TRAIL</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm), 3"	4% @ 70 GYR.	3"
<b>TEMPORARY PAVEMENT</b>		
TEMPORARY PAVEMENT (HMA BINDER N70 (IL-19mm))	4% @ 70 GYR.	11 1/2" (4 LIFTS)
<b>PATCHING</b>		
CLASS D PATCHES, TYPE IV, IL-19mm	4% @ 70 GYR.	7" (3 LIFTS)

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN

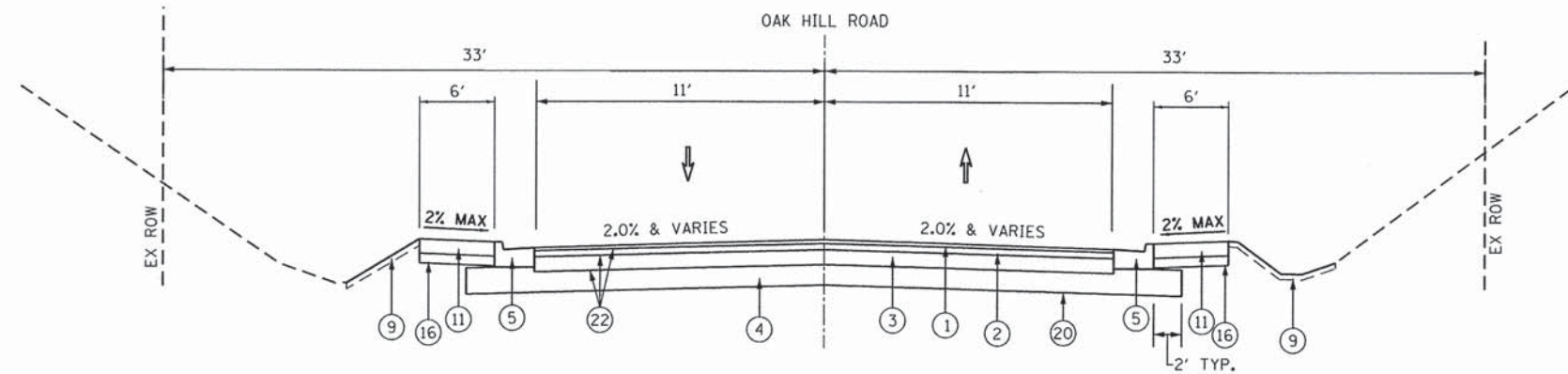
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22 AND FOR NON-POLYMERIZED HMA THE AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.  
FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.

**PROPOSED**

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2 1/2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 3"
- ③ HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0 mm)
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 3"
- ⑧ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑨ TOPSOIL EXCAVATION AND PLACEMENT (SPECIAL), 4"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT (SPECIAL), 12"
- ⑪ P.C.C. SIDEWALK, 5"
- ⑫ CONCRETE CURB & GUTTER, TYPE M-2.12
- ⑬ CONCRETE CURB TYPE B, 6"
- ⑭ STAMPED COLORED PCC MEDIAN SURFACE
- ⑮ STAMPED COLORED PCC MEDIAN SURFACE, 4" (SPECIAL) (REFER TO PLANS FOR LOCATION)
- ⑯ AGGREGATE BASE COURSE, TYPE B, 4"
- ⑰ AGGREGATE SHOULDERS, TYPE B, 6"
- ⑱ PIPE UNDERDRAIN, 4"
- ⑲ NO. 4 X 2'-0" TIE BARS, SPACED @ 3'-0" C-C
- ⑳ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ㉑ PAVEMENT FABRIC
- ㉒ BITUMINOUS MATERIALS (PRIME COAT)
- ㉓ TOPSOIL EXCAVATION AND PLACEMENT (SPECIAL), 24"
- ㉔ CLASS "D" PATCH TY. IV, 7"
- ㉕ SEGMENTAL CONCRETE BLOCK RETAINING WALL (REFER TO PLANS FOR LOCATION)
- ㉖ AGGREGATE SUBGRADE IMPROVEMENT, 4"



STA. 47+75 TO 49+28.77, ROBERTS ROAD  
STA. 65+44.44 TO 67+00, ROBERTS ROAD  
\*SIDEWALK BEGINS AT STA. 46+62.37



PROPOSED TYPICAL SECTION NO. 8  
STA. 100+00 TO STA. 101+07.64, OAK HILL ROAD

FILE NAME = F:\877-010 River Roberts Phase II\CADD\SHEETS\877-010-SHT\_TYP\_04.dgn



USER NAME = #USER#	DESIGNED - GJE	REVISED -
PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROBERTS ROAD & RIVER ROAD  
TYPICAL SECTIONS

SCALE: NTS SHEET 21 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	21
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

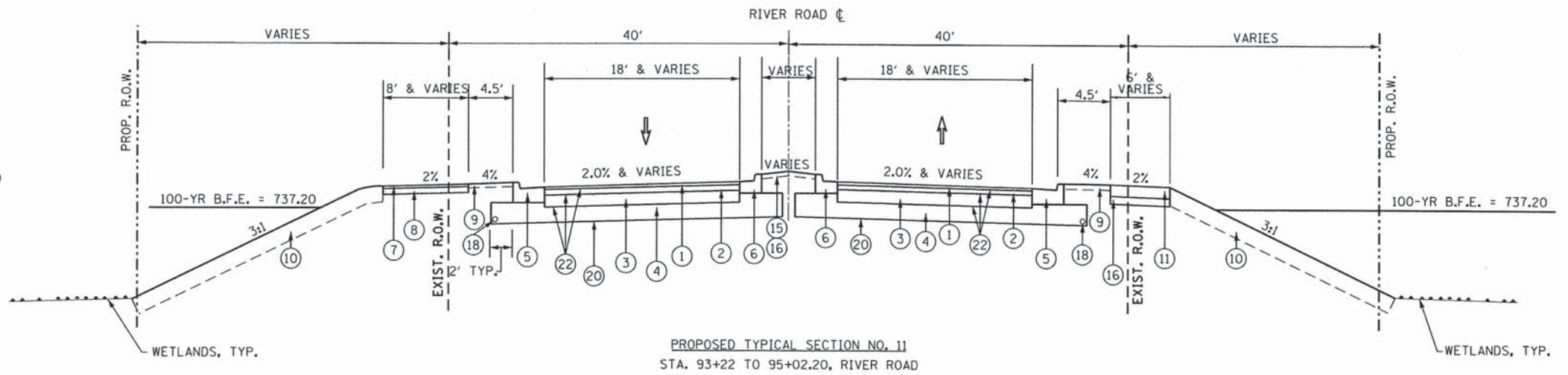
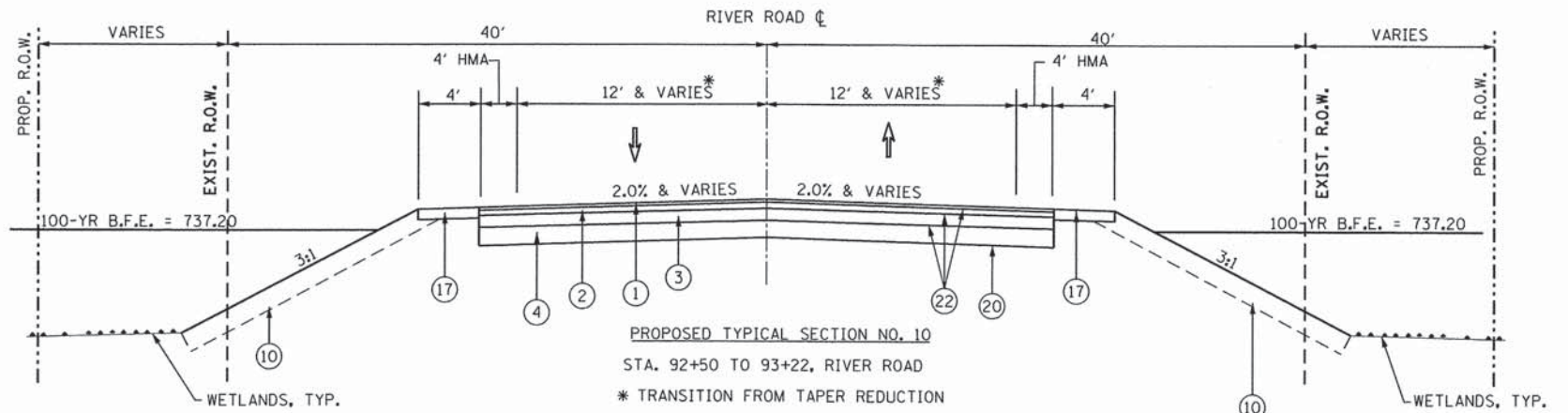
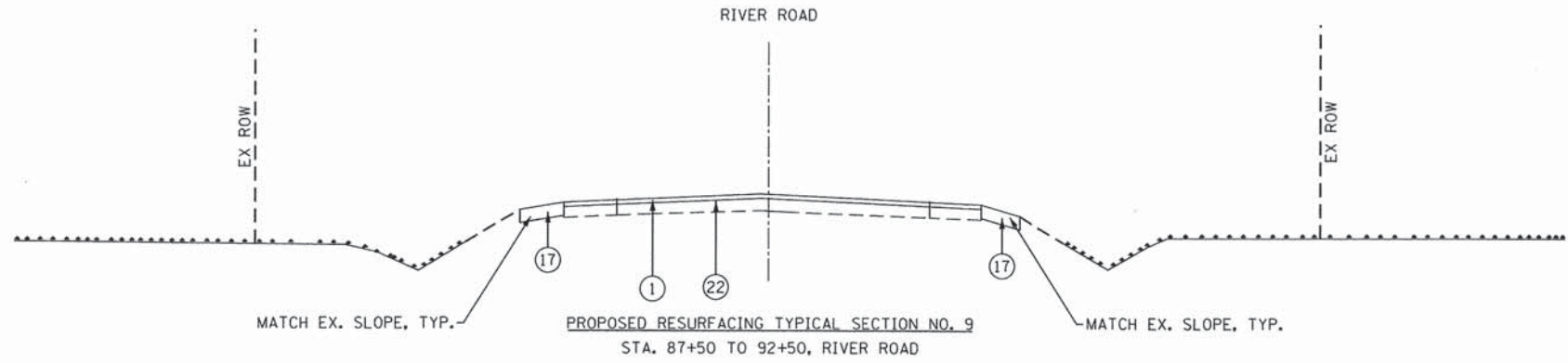
HMA MIXTURE REQUIREMENTS CHART		
MIXTURE TYPE	AIR VOIDS @ Ndes	THICKNESS
<b>FULL DEPTH PAVEMENT, 11 1/2"</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5mm), 2 1/2"	4% @ 70 GYR.	2 1/2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 3"	4% @ 70 GYR.	3"
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm)	4% @ 70 GYR.	6" (2 LIFTS)
<b>HMA RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm), 2.0"	4% @ 70 GYR.	2"
<b>FOREST PRESERVES TRAIL</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm), 3"	4% @ 70 GYR.	3"
<b>TEMPORARY PAVEMENT</b>		
TEMPORARY PAVEMENT (HMA BINDER N70 (IL-19mm))	4% @ 70 GYR.	11 1/2" (4 LIFTS)

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22 AND FOR NON-POLYMERIZED HMA THE AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.  
FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.

**PROPOSED**

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2 1/2"
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 3"
- ③ HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0 mm)
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 3"
- ⑧ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑨ TOPSOIL EXCAVATION AND PLACEMENT (SPECIAL), 4"
- ⑩ TOPSOIL EXCAVATION AND PLACEMENT (SPECIAL), 12"
- ⑪ P.C.C. SIDEWALK, 5"
- ⑫ CONCRETE CURB & GUTTER, TYPE M-2.12
- ⑬ CONCRETE CURB TYPE B, 6"
- ⑭ STAMPED COLORED PCC MEDIAN SURFACE
- ⑮ STAMPED COLORED PCC MEDIAN SURFACE, 4" (SPECIAL) (REFER TO PLANS FOR LOCATION)
- ⑯ AGGREGATE BASE COURSE, TYPE B, 4"
- ⑰ AGGREGATE SHOULDERS, TYPE B, 6"
- ⑱ PIPE UNDERDRAIN, 4"
- ⑲ NO. 4 X 2'-0" TIE BARS, SPACED @ 3'-0" C-C
- ⑳ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ㉑ PAVEMENT FABRIC
- ㉒ BITUMINOUS MATERIALS (PRIME COAT)
- ㉓ TOPSOIL EXCAVATION AND PLACEMENT (SPECIAL), 24"
- ㉔ CLASS "D" PATCH TY, IV, 7"
- ㉕ SEGMENTAL CONCRETE BLOCK RETAINING WALL (REFER TO PLANS FOR LOCATION)
- ㉖ AGGREGATE SUBGRADE IMPROVEMENT, 4"



FILE NAME = FA-877-010 River-Roberts Phase I\CAD\00\_SHEETS\877-010\_SHT\_1.TYP\_05.dgn



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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROBERTS ROAD & RIVER ROAD  
TYPICAL SECTIONS**

SCALE: NTS SHEET 22 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	22
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

TREE REMOVAL (6 TO 15 UNITS)			
NO	STATION	OFFSET (FT)	UNIT
ROBERTS ROAD			
3333	48+14.83	40.76 RT	10
3336	48+27.80	41.05 RT	10
3347	48+62.96	40.08 RT	10
3347	48+63.00	40.25 RT	10
3348	48+68.75	40.37 RT	10
3351	48+83.86	38.74 RT	13
3350	48+89.62	40.06 RT	7
-	50+07.76	36.71 RT	10
3320	50+22.53	34.19 RT	9
3319	50+29.01	27.71 RT	7
3318	50+35.73	30.60 RT	10
3316	50+53.00	31.63 RT	9
3315	50+61.06	41.00 RT	14
3314	50+66.57	29.33 RT	11
3313	50+83.77	32.51 RT	9
3312	50+90.57	32.21 LT	11
3311	51+04.75	43.68 RT	7
3311	51+04.75	43.68 RT	7
3309	51+35.85	40.27 RT	8
3308	51+41.46	32.84 RT	14
-	51+47.60	45.46 RT	10
3306	51+63.73	32.06 RT	15
3305	51+67.60	45.16 RT	9
3302	51+89.13	32.63 RT	9
-	52+64.89	46.51 RT	10
1817	53+26.83	51.06 LT	7
1822	53+40.55	54.14 LT	7
1823	53+54.74	57.82 LT	9
1823	53+54.74	57.82 LT	15
1824	53+58.94	33.29 LT	7
1825	53+79.68	46.76 LT	7
1827	53+94.52	52.98 LT	8
-	53+99.64	60.60 RT	10
1828	54+28.97	36.09 LT	8
1862	54+29.77	63.12 RT	14
1861	54+44.23	64.11 RT	14
1831	54+48.39	58.22 LT	7
1829	54+50.55	40.89 LT	9
1830	54+56.35	46.04 LT	7
1830	54+56.35	46.04 LT	13
1856	54+57.96	68.22 RT	11
1832	54+61.21	19.63 LT	7
1832	54+61.21	19.63 LT	8
1833	54+69.57	27.43 LT	9
1834	54+79.08	14.23 LT	7
1834	54+79.08	14.23 LT	9
1835	54+91.99	37.62 LT	7
1836	55+04.58	27.61 LT	9

TREE REMOVAL (6 TO 15 UNITS)			
NO	STATION	OFFSET (FT)	UNIT
RIVER ROAD			
2146	92+80.28	28.82 LT	6
1982	93+10.91	32.06 LT	8
2143	93+30.66	55.78 LT	6
2142	93+31.36	56.64 LT	8
2141	93+35.07	45.79 LT	6
1980	93+35.73	55.25 LT	10
1855	93+42.97	43.99 LT	12
2139	93+46.03	42.36 LT	6
2140	93+47.78	47.40 LT	6
1981	93+57.32	31.23 LT	9
1979	93+79.76	60.75 LT	13
1979	93+79.76	60.75 LT	13
1977	93+95.53	64.68 LT	9

TREE REMOVAL (6 TO 15 UNITS)			
NO	STATION	OFFSET (FT)	UNIT
1837	55+08.19	39.03 LT	13
1841	55+13.05	52.07 LT	9
1838	55+17.14	37.19 LT	15
1839	55+19.21	56.13 LT	11
1840	55+25.79	49.39 LT	11
1844	55+67.33	29.52 LT	12
1843	55+77.12	46.01 LT	9
1845	56+02.75	24.94 LT	9
1846	56+17.60	22.92 LT	13
3385	56+20.04	76.59 RT	11
1849	56+22.44	25.66 LT	8
1850	56+22.98	36.66 LT	13
1850	56+22.98	36.66 LT	13
1847	56+30.85	3.44 LT	8
3383	56+31.88	76.64 RT	7
1848	56+43.83	6.27 LT	8
3382	56+47.33	87.71 RT	8
3381	56+53.89	87.49 RT	11
3380	56+83.93	86.12 RT	13
3378	57+12.42	85.99 RT	9
1987	57+32.37	103.96 RT	11
1988	57+44.39	94.22 RT	13
3377	57+51.64	89.93 RT	7
2147	57+56.88	25.31 LT	6
3395	57+58.84	91.04 RT	9
1963	57+61.33	16.71 LT	11
1962	57+69.37	6.77 LT	7
1961	57+73.75	0.07 LT	7
1971	57+75.64	41.53 LT	8
1964	57+83.30	9.95 LT	10
2136	57+85.70	62.35 LT	8
1965	57+86.29	36.55 LT	9
1960	57+86.30	1.43 LT	7
1966	58+00.24	44.49 LT	9
2148	58+13.39	1.24 RT	6
1959	58+18.56	4.62 RT	8
1957	58+30.09	5.45 LT	9
1958	58+30.34	2.16 LT	7
2149	58+51.91	2.25 RT	6
2149	58+51.91	2.25 RT	8
1955	58+60.24	15.60 LT	10
1956	58+60.55	22.21 LT	9
2199	58+86.43	16.43 LT	7
2200	59+15.61	1.27 RT	11
2150	59+20.64	22.44 RT	7
1911	59+36.75	103.90 RT	10
2151	59+57.42	8.57 RT	6
1954	59+73.47	26.79 RT	7
1953	59+81.65	8.00 RT	11

TREE REMOVAL (6 TO 15 UNITS)			
NO	STATION	OFFSET (FT)	UNIT
1978	93+95.58	68.70 LT	10
1974	94+03.78	90.19 LT	7
1975	94+04.38	58.96 LT	10
1853	94+12.74	38.59 RT	7
1853	94+12.74	38.59 RT	9
1973	94+13.97	84.33 LT	7
1973	94+13.97	84.33 LT	8
1852	94+25.84	48.87 RT	7
1852	94+25.84	48.87 RT	8
1972	94+26.77	63.10 LT	11
1854	94+27.47	86.14 RT	14
1976	94+27.83	44.00 LT	9
1976	94+27.83	44.00 LT	9
1976	94+27.83	44.00 LT	9

TREE REMOVAL (6 TO 15 UNITS)			
NO	STATION	OFFSET (FT)	UNIT
1952	59+94.81	10.63 RT	8
1951	60+01.03	24.36 RT	10
2153	60+01.24	14.65 RT	6
2152	60+04.35	14.16 RT	6
1950	60+24.40	21.21 RT	9
2154	60+27.94	15.83 RT	6
2158	60+29.83	3.03 RT	6
2156	60+31.19	4.40 RT	6
2157	60+34.78	1.70 RT	6
2155	60+37.75	21.86 RT	6
2159	60+39.29	2.25 RT	6
1946	60+64.68	1.29 RT	9
1948	60+67.65	21.93 RT	7
1945	60+74.41	1.06 LT	10
1947	60+78.89	20.47 RT	7
1947	60+78.89	20.47 RT	9
1947	60+78.89	20.47 RT	10
2163	60+89.32	3.64 RT	8
2161	60+94.78	10.99 RT	6
2162	60+95.11	2.67 RT	6
2164	60+95.60	14.31 LT	6
2160	61+03.89	9.65 RT	6
1943	61+06.93	10.42 RT	9
1942	61+18.62	2.36 RT	9
1941	62+00.07	4.46 LT	8
1940	62+01.72	3.18 LT	12
1939	62+03.02	6.55 LT	11
1938	62+05.87	4.63 LT	7
1937	62+39.54	18.23 LT	9
1936	62+60.62	21.07 LT	7
1934	62+87.20	22.97 LT	9
1933	63+02.24	25.22 LT	7
1932	63+37.83	29.11 LT	9
1931	63+61.53	34.68 LT	10
1930	63+68.00	35.25 LT	10
2695	63+72.46	41.81 LT	12
1929	64+05.92	35.87 LT	14
1928	64+25.41	35.01 LT	7
1927	64+72.16	41.51 LT	9
1926	64+86.94	43.52 LT	12
1925	64+93.75	41.60 LT	7
1925	64+93.75	41.60 LT	14
1924	65+00.95	42.98 LT	10
1923	65+02.16	44.13 LT	13
1922	65+06.96	42.33 LT	11
TOTAL			1,298
GRAND TOTAL			1,607

TREE REMOVAL (6 TO 15 UNITS)			
NO	STATION	OFFSET (FT)	UNIT
1976	94+27.83	44.00 LT	11
2138	94+32.39	86.08 LT	6
2137	94+34.33	80.41 LT	6
1851	94+36.80	56.87 RT	7
2134	94+40.47	111.16 LT	6
2133	94+42.79	111.41 LT	6
2132	94+45.69	111.41 LT	6
2136	94+46.26	85.59 LT	8
1967	94+48.67	94.03 LT	10
2135	94+50.75	105.30 LT	6
TOTAL			309
GRAND TOTAL			1,607

TREE REMOVAL (OVER 15 UNITS)			
NO	STATION	OFFSET (FT)	UNIT
ROBERTS ROAD			
3317	50+32.47	39.88 RT	38
3310	51+13.43	37.66 RT	28
3304	51+80.94	43.34 RT	36
3303	51+86.45	41.95 RT	37
1826	53+88.11	49.57 LT	21
1827	53+94.52	52.98 LT	18
1842	55+69.54	60.83 LT	24
3388	56+04.50	72.79 RT	29
1849	56+22.44	25.66 LT	17
3379	56+88.71	87.56 RT	19
1949	60+39.24	20.46 RT	34
1944	60+82.23	8.79 RT	19
2694	64+03.66	33.56 RT	23
1927	64+72.16	41.51 LT	16
TOTAL			359

STATION	STATION	SEEDING, CLASS 2 (MODIFIED) (ACRE)	SEEDING CLASS 5A (ACRE)	SEEDING, WET PRAIRIE (ACRE)	SEEDING, CLASS 5 (MOD.) MESIC PRAIRIE (ACRE)	EMERGENT / SHORELINE SEEDING MIX (ACRE)	WETLAND PLANTS (EA.)	PERENNIAL PLANTS, WETLAND EMERGENT (ACRE)
ROBERTS ROAD								
47+75	52+50	-	0.45	-	-	-	-	-
52+50	58+50	-	0.92	-	-	-	-	-
58+50	64+50	-	1.15	-	-	-	-	-
64+50	67+00	-	0.21	-	-	-	-	-
RIVER ROAD								
87+50	87+90	-	-	-	-	-	-	-
87+90	93+85	-	0.21	-	-	-	-	-
FOREST PRESERVE								
TOTAL		0.18	2.95	0.24	2.82	0.56	1,166	0.24

SUBGRADE IMPROVEMENT										
STATION	STATION	AGGREGATE SUBGRADE IMPROVEMENT, 4" (SY)	AGGREGATE SUBGRADE IMPROVEMENT, 12" (SY)	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SY)	AGGREGATE SHOULDERS, TYPE B 6" (SY)	AGGREGATE SURFACE COURSE (SPECIAL) (TON)	AGGREGATE BASE COURSE, TYPE B 4" (SY)	AGGREGATE BASE COURSE, SPECIAL (SY)	AGGREGATE BASE COURSE, TYPE B 6" (SY)	GEOTECHNICAL FABRIC (SY)
ROBERTS ROAD										
46+68	53+50	297	2,141	2,141	212	-	212	-	-	-
53+50	59+50	-	5,752	5,752	-	-	809	-	454	-
59+50	65+50	-	3,454	3,454	-	-	-	-	315	-
65+50	67+00	-	-	-	133	-	-	-	-	-
RIVER ROAD										
87+50	91+00	-	-	-	256	-	-	-	-	-
91+00	94+30	-	1,055	1,055	154	-	5	-	-	-
FOREST PRESERVE										
STAGED CONSTRUCTION		-	-	-	-	111	-	710	-	710
TOTAL		297	12,401	12,401	754	111	3,045	710	769	710

DRAINAGE				
STATION	STATION	PIPE UNDERDRAIN, 4" (FT)	STONE RIPRAP, CLASS A5 (SY)	FILTER FABRIC (SY)
ROBERTS ROAD				
47+75	53+50	901	3	3
53+50	59+50	1291	25	25
59+50	65+50	1051	64	64
65+50	67+00	-	-	-
RIVER ROAD				
87+50	91+00	-	-	-
91+00	94+38	136	62	62
TOTAL			3,379	153

PIPE CULVERTS, CLASS A, TYPE 2, 12" (TEMPORARY)			
STAGE	STATION	STATION	FOOT
ROBERTS ROAD			
STAGE 1	54+89	-	80
	60+40	-	125
RIVER ROAD			
STAGE 2	54+64	55+57	63
TOTAL			268

COMBINATION CURB AND GUTTER REMOVAL		
STATION	STATION	FOOT
ROBERTS ROAD		
50+24	52+50	229
52+50	55+13	288
55+38	57+87	270
TOTAL		787

HMA SURFACE REMOVAL - BUTT JOINT	
STATION	SO YD
ROBERTS ROAD	

PROPOSED ROADWAY PAVEMENT					
STATION	STATION	HMA SURFACE COURSE, MIX "D", N70 (TON)	HMA FULL DEPTH, 11.5" (SY)	STRIP RELECTIVE CRACK CONTROL TREATMENT (FOOT)	BIT. MATERIALS (PRIME COAT) (GAL)
ROBERTS ROAD					
47+75	53+50	59	1,588	792	497.0
53+50	59+50	74	4,209	2,589	1,186.0
59+50	65+50	48	2,706	3,860	832.0
65+50	67+00	58	-	260	49.0
RIVER ROAD					
87+50	91+00	139	-	350	116.0
91+00	94+38	59	862	300	293.0
FOREST PRESERVE					
TOTAL		437	9,364	8,151	2,973.0

COMBINATION CONCRETE CURB AND GUTTER						
STATION	STATION	B-6.12 (FT)	B-6.24 (FT)	M-2.12 (FT)	CURB TYPE B (FT)	GUTTER TYPE B (FT)
ROBERTS ROAD						
47+75	53+50	498	1,090	-	17.00	-
53+50	59+50	1,051	1,216	258	377	98
59+50	65+50	354	1,191	-	-	-
65+50	67+00	-	-	-	-	-
RIVER ROAD						
87+50	91+00	-	-	-	-	-
91+00	94+38	247	253	-	65	-
TOTAL		2,151	3,750	258	459	98

MEDIANS			
STATION	STATION	STAMPED COLORED PCC MEDIUM SURFACE, 4" (SPECIAL) (SF)	STAMPED COLORED PCC (SF)
ROBERTS ROAD			
47+75	53+50	-	-
53+50	59+50	2,228	2,315
59+50	65+50	-	-
65+50	67+00	-	-
RIVER ROAD			
87+50	91+00	-	-
91+00	94+38	310	-
TOTAL		2,539	2,315

PCC SIDEWALK, 5"		
STATION	STATION	AREA (SF)
ROBERTS ROAD		
46+68	53+50	3,562
53+50	59+50	5,456
59+50	65+50	-
65+50	67+00	-
RIVER ROAD		
87+50	91+00	-
91+00	94+38	88
TOTAL		9,106

DETECTABLE WARNINGS		
STATION	OFFSET	SO FT
ROBERTS ROAD		
46+89.71	25.43 RT	12
55+02.52	40.48 RT	17
55+52.30	28.72 RT	11
55+68.32	44.92 LT	8
56+18.90	25.66 RT	16
56+19.84	48.90 LT	16
56+26.48	18.33 LT	14
56+26.20	1.55 LT	14
57+87.84	15.92 RT	15
57+88.18	1.51 LT	15
57.92.77	46.08 RT	15
57+92.97	28.18 LT	15
57+93.98	33.83 LT	15
57+98.42	57.02 LT	15
59+03.73	35.23 RT	8
61+64.58	31.14 LT	8
RIVER ROAD		
93+56.39	32.54 LT	8
93+56.50	20.87 RT	8
93+99.59	42.09 LT	16
94+03.69	23.15 RT	16
94.09.27	8.70 LT	16
94+09.60	0.02 LT	16
STABILIZED CONSTRUCTION ENTRANCE		
STATION	AREA (SY)	
92+50	108	

STAGED CONSTRUCTION										
STAGE	STATION	STATION	PAVEMENT MARKING REMOVAL			WORK ZONE PAVEMENT MARKING REMOVAL, 4" (SF)	TEMPORARY CONCRETE BARRIER (FT)	TEMPORARY PAVEMENT (SY)	TEMPORARY PAVEMENT REMOVAL (SY)	IMPACT ATTENUATORS, LEVEL 2 (EACH)
			4" (SF)	6" (SF)	24" (SF)					
ROBERTS ROAD										
STAGE 1	47+75	57+08	1,398	74	22	384	913	861	861	1
	57+08	68+50	724	129	54	-	962	747	747	1
ROBERTS ROAD										
STAGE 2	47+75	57+08	-	-	-	1,063	-	-	-	1
	57+08	68+50	-	-	-	1,169	-	-	-	1
ROBERTS ROAD										
STAGE 3	47+75	57+08	-	-	-	-	-	-	-	-
	57+08	68+50	-	-	-	-	-	-	-	-
TOTAL			2,121	203	76	2,617	1,875	1,608	1,608	4

PROPOSED PAVEMENT MARKINGS									
STATION	STATION	LETTERS AND SYMBOLS (SO FT)	THERMOPLASTIC PAVEMENT MARKING LINES					RECESSED REFLECTIVE MARKERS (EACH)	
			4" (FT)	5" (FT)	6" (FT)	8" (FT)	12" (FT)		24" (FT)
ROBERTS ROAD									
47+75	52+50	-	846	1,069	20	-	12	-	18
52+50	58+50	414	440	346	328	278	346	11	27
58+50	64+50	42	1,354	816	81	96	213	-	24
64+50	67+00	-	500	500	-	-	-	-	12
RIVER ROAD									
87+50	87+90	-	80	80	-	-	-	-	4
87+90	93+85	-	1,247	1,192	-	-	11	-	22
93+85	95+02	37	-	29	-	107	113	-	12
TOTAL		492	4,467	4,032	429	481	694	11	119

TEMPORARY PAVEMENT MARKINGS						
STAGE	STATION	STATION	4" (FT)	6" (FT)	24" (FT)	
ROBERTS ROAD						
STAGE 1	47+75	57+08	3,623	150	10	
	57+08	68+50	3,834	-	-	
ROBERTS ROAD						
STAGE 2	47+75	57+08	3,201	-	10	
	57+08	68+50	3,508	-	-	
ROBERTS ROAD						
STAGE 3	47+75	57+08	307	-	10	
	57+08	68+50	-	-	-	
TOTAL			14,473	150	30	

LANDSCAPING TREES				
NAME	STATION	OFFSET (FT)	SIZE	MULCH (SY)
ROBERTS ROAD				
COLORADO BLUE SPRUCE	56+50.18	89.64 RT	6'	
COLORADO BLUE SPRUCE	56+58.62	94.57 RT	6'	
WHITE FIR	56+76.87	101.78 RT	3'	
SHADBLOW SERVICEBERRY	57+00.23	3.22 LT	7'	29
SHADBLOW SERVICEBERRY	57+04.98	4.16 RT	7'	
SHADBLOW SERVICEBERRY	57+08.57	3.55 LT	7'	
COLORADO BLUE SPRUCE	57+55.41	77.15 RT	6'	
COLORADO BLUE SPRUCE	57+75.51	85.21 RT	6'	
COLORADO BLUE SPRUCE	57+76.49	70.96 RT	6'	
RED OAK	57+92.27	64.12 RT	2.5"	
KENTUCKY COFFEE	58+27.52	57.48 RT	2.5"	
AUTUMN BLAZE	58+59.39	57.63 RT	2.5"	
COMMON HACKBERRY	59+09.80	50.62 RT	2.5"	
COMMON HACKBERRY	59+20.29	43.46 RT	2.5"	
AUTUMN BLAZE	59+25.02	0.30 RT	3"	3
SWAMP WHITE OAK	59+28.93	89.69 RT	2"	
COMMON HACKBERRY	59+31.56	51.10 RT	2.5"	
SWAMP WHITE OAK	59+44.70	92.23 RT	2"	
RED OAK	59+60.13	43.84 RT	2.5"	
SWAMP WHITE OAK	59+66.55	93.87 RT	2"	
AUTUMN BLAZE	59+99.95	2.75 LT	3"	3
KENTUCKY COFFEE	60+00.39	45.31 RT	2.5"	
WHITE FIR	60+12.46	91.73 RT	2.5"	
BALD CYPRESS	60+56.22	87.05 RT	2.5"	
RED OAK	60+62.10	42.81 RT	2.5"	
AUTUMN BLAZE	60+71.75	2.92 LT	3"	3
BALD CYPRESS	60+71.06	85.30 RT	2.5"	
KENTUCKY COFFEE	61+06.11	42.02 RT	2.5"	
RED OAK	61+79.41	39.87 RT	2.5"	

LANDSCAPING TREES				
NAME	STATION	OFFSET (FT)	SIZE	MULCH (SY)
FOREST PRESERVE TRAIL				
RED OAK	138+65.99	102.24 LT	2.5"	
RED OAK	138+80.12	108.94 LT	2.5"	
RED OAK	139+06.11	102.76 LT	2.5"	
SHADBLOW SERVICEBERRY	139+15.61	99.04 LT	7'	
SHADBLOW SERVICEBERRY	139+17.13	84.84 LT	7'	
RED OAK	139+25.60	108.60 LT	2.5"	
SHADBLOW SERVICEBERRY	139+28.16	88.40 LT	7'	
RED OAK	139+38.72	80.62 LT	2.5"	
COCKSPUR HAWTHORN	140+11.35	95.29 LT	6'	
COCKSPUR HAWTHORN	140+19.61	87.88 LT	6'	
SWAMP WHITE OAK	140+20.61	104.88 LT	2"	
SWAMP WHITE OAK	140+32.36	90.54 LT	2"	
COCKSPUR HAWTHORN	140+43.98	96.46 LT	6'	
SWAMP WHITE OAK	140+46.00	113.79 LT	2"	
RED OAK	140+45.84	18.72 LT	2.5"	
WHITE OAK	141+04.58	77.45 LT	2"	
RED OAK	141+05.36	17.39 RT	2.5"	
WHITE OAK	141+20.14	88.78 LT	2"	
RED OAK	141+51.41	20.81 LT	2.5"	
SHADBLOW SERVICEBERRY	141+52.13	68.97 LT	7'	
WHITE OAK	141+52.76	84.82 LT	2"	
SHADBLOW SERVICEBERRY	141+70.74	68.00 LT	7'	
SHADBLOW SERVICEBERRY	141+79.03	82.03 LT	7'	
COCKSPUR HAWTHORN	142+29.08	120.59 LT	6'	
COCKSPUR HAWTHORN	142+51.19	111.22 LT	6'	
HILL'S OAK	142+82.78	116.70 LT	2"	
HILL'S OAK	143+04.35	96.50 LT	2"	
COCKSPUR HAWTHORN	143+18.92	81.95 LT	6'	
COCKSPUR HAWTHORN	143+31.38	91.62 LT	6'	
COCKSPUR HAWTHORN	143+43.98	81.64 LT	6'	
HILL'S OAK	143+58.69	95.58 LT	2"	

FILE NAME = FA:977-010 River Roberts Phase II\CADD\SHEETS\077-010-SHT\_SCHEDULE.dgn

<b>Bollinger, Lach &amp; Associates, Inc.</b> <small>ITASCA, ILLINOIS</small>	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RIVER ROAD AT ROBERTS ROAD</b> <b>SCHEDULE OF QUANTITIES</b>			F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 24
	PLOT SCALE = #SCALE#	CHECKED - DBB	REVISED -					CONTRACT NO. 63875				
	PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -		ILLINOIS FED. AID PROJECT							
					SCALE: SHEET 24 OF 183 SHEETS STA. TO STA.							



STAGE I - ROBERTS ROAD EARTHWORK QUANTITIES				
STATION	CUT (SF)	AVE. LENGTH	TOTAL (CF)	TOTAL (CY)
47+75.00	0			
	0	25	0	0
48+00.00	0			
	0	50	0	0
48+50.00	0			
	0	50	0	0
49+00.00	0			
	0	30	0	0
49+29.63	0			
	18	20	375	14
49+50.00	33			
	28	50	1,388	51
50+00.00	37			
	29	50	1,474	55
50+50.00	22			
	25	50	1,245	46
51+00.00	28			
	104	50	5,219	193
51+50.00	181			
	166	50	8,315	308
52+00.00	151			
	148	50	7,384	273
52+50.00	144			
	150	50	7,483	277
53+00.00	155			
	179	50	8,966	332
53+50.00	186			
	222	50	11,113	412
54+00.00	203			
	231	50	11,533	427
54+50.00	258			
	254	32	8,053	298
54+81.70	250			
	249	9	2,191	81
54+90.51	247			
	248	9	2,357	87
55+00.00	249			
	257	31	8,050	298
55+31.38	264			
	266	19	4,952	183
55+50.00	268			
	278	25	6,944	257
55+75.00	287			
	299	25	7,479	277
56+00.00	311			
	504	100	****	1,867
57+00.00	697			
	479	100	47,855	1,772
58+00.00	260			
	216	50	10,797	400

STAGE I - ROBERTS ROAD EARTHWORK QUANTITIES				
STATION	FILL (SF)	AVE. LENGTH	TOTAL (CF)	TOTAL (CY)
47+75.00	34			
	33	25	828	31
48+00.00	32			
	33	50	1,639	61
48+50.00	33			
	28	50	1,377	51
49+00.00	22			
	11	30	326	12
49+29.63	0			
	16	20	324	12
49+50.00	38			
	25	50	1,256	47
50+00.00	32			
	22	50	1,093	40
50+50.00	12			
	9	50	461	17
51+00.00	7			
	4	50	184	7
51+50.00	1			
	1	50	41	2
52+00.00	1			
	1	50	41	2
52+50.00	1			
	5	50	253	9
53+00.00	9			
	9	50	460	17
53+50.00	9			
	10	50	495	18
54+00.00	9			
	10	50	492	18
54+50.00	11			
	12	32	370	14
54+81.70	13			
	13	9	116	4
54+90.51	14			
	7	9	68	3
55+00.00	1			
	1	31	26	1
55+31.38	1			
	1	19	15	1
55+50.00	1			
	6	25	151	6
55+75.00	11			
	17	25	437	16
56+00.00	24			
	13	100	1,271	47
57+00.00	2			
	13	100	1,332	49
58+00.00	25			
	23	50	1,144	42

STAGE I - ROBERTS ROAD EARTHWORK QUANTITIES				
STATION	UNSUITS (SF)	AVE. LENGTH	TOTAL (CF)	TOTAL (CY)
47+75.00	7			
	7	25	169	6
48+00.00	7			
	7	50	356	13
48+50.00	8			
	7	50	333	12
49+00.00	6			
	3	30	86	3
49+29.63	0			
	4	20	71	3
49+50.00	7			
	7	50	342	13
50+00.00	7			
	7	50	335	12
50+50.00	6			
	11	50	543	20
51+00.00	15			
	26	50	1,303	48
51+50.00	37			
	39	50	1,928	71
52+00.00	40			
	42	50	2,100	78
52+50.00	44			
	46	50	2,323	86
53+00.00	49			
	58	50	2,897	107
53+50.00	58			
	67	50	3,355	124
54+00.00	67			
	71	50	3,569	132
54+50.00	76			
	78	32	2,478	92
54+81.70	80			
	81	9	713	26
54+90.51	82			
	82	9	781	29
55+00.00	83			
	86	31	2,700	100
55+31.38	89			
	90	19	1,683	62
55+50.00	92			
	96	25	2,390	89
55+75.00	100			
	103	25	2,571	95
56+00.00	106			
	53	100	5,307	197
57+00.00	0			
	61	100	6,143	228
58+00.00	123			
	124	50	6,196	229
				TOTAL 9,923

STAGE I - ROBERTS ROAD EARTHWORK QUANTITIES				
STATION	CUT (SF)	AVE. LENGTH	TOTAL (CF)	TOTAL (CY)
58+50.00	172			
	166	50	8,300	307
59+00.00	160			
	157	50	7,856	291
59+50.00	154			
	148	34	4,953	183
59+83.54	141			
	147	16	2,421	90
60+00.00	153			
	154	25	3,840	142
60+25.00	154			
	148	15	2,201	82
60+39.90	141			
	141	10	1,421	53
60+50.00	140			
	147	25	3,666	136
60+75.00	153			
	147	25	3,679	136
61+00.00	141			
	133	25	3,327	123
61+25.00	125			
	132	25	3,289	122
61+50.00	138			
	77	25	1,924	71
61+75.00	16			
	20	25	512	19
62+00.00	25			
	28	50	1,381	51
62+50.00	30			
	28	50	1,407	52
63+00.00	26			
	25	50	1,225	45
63+50.00	23			
	20	50	997	37
64+00.00	17			
	17	50	861	32
64+50.00	17			
	15	50	755	28
65+00.00	13			
	6	50	323	12
65+50.00	0			
	0	50	0	0
66+00.00	0			
	0	50	0	0
66+50.00	0			
	0	50	0	0
67+00.00	0			
	0	6	0	0
67+05.60	0			
				TOTAL 2,863

STAGE I - ROBERTS ROAD EARTHWORK QUANTITIES				
STATION	FILL (SF)	AVE. LENGTH	TOTAL (CF)	TOTAL (CY)
58+50.00	21			
	29	50	1,472	55
59+00.00	38			
	31	50	1,562	58
59+50.00	24			
	24	34	805	30
59+83.54	24			
	25	16	410	15
60+00.00	26			
	26	25	651	24
60+25.00	26			
	27	15	408	15
60+39.90	29			
	29	10	297	11
60+50.00	30			
	29	25	735	27
60+75.00	29			
	24	25	606	22
61+00.00	20			
	17	25	414	15
61+25.00	13			
	10	25	238	9
61+50.00	6			
	219	25	5,468	203
61+75.00	432			
	364	25	9,099	337
62+00.00	296			
	234	50	11,683	433
62+50.00	171			
	147	50	7,365	273
63+00.00	123			
	117	50	5,869	217
63+50.00	111			
	98	50	4,910	182
64+00.00	85			
	73	50	3,634	135
64+50.00	60			
	62	50	3,101	115
65+00.00	64			
	32	50	1,593	59
65+50.00	0			
	0	50	0	0
66+00.00	0			
	0	50	0	0
66+50.00	0			
	0	50	0	0
67+00.00	0			
	0	6	0	0
67+05.60	0			
				TOTAL 3,622

STAGE I - ROBERT ROAD AGGREGATE SUBGRADE IMPROVEMENT				
STATION	UNSUITS (SF)	AVE. LENGTH	TOTAL (CF)	TOTAL (CY)
58+50.00	125			
	126	50	6,292	233
59+00.00	127			
	125	50	6,266	232
59+50.00	124			
	121	34	4,043	150
59+83.54	117			
	120	16	1,970	73
60+00.00	122			
	121	25	3,029	112
60+25.00	120			
	119	15	1,774	66
60+39.90	118			
	117	10	1,183	44
60+50.00	116			
	116	25	2,901	107
60+75.00	116			
	114	25	2,842	105
61+00.00	112			
	108	25	2,689	100
61+25.00	104			
	113	25	2,817	104
61+50.00	122			
	81	25	2,022	75
61+75.00	40			
	36	25	892	33
62+00.00	31			
	28	50	1,410	52
62+50.00	25			
	24	50	1,206	45
63+00.00	23			
	23	50	1,126	42
63+50.00	22			
	21	50	1,069	40
64+00.00	21			
	21	50	1,039	38
64+50.00	21			
	24	50	1,194	44
65+00.00	27			
	14	50	678	25
65+50.00	0			
	0	50	0	0
66+00.00	0			
	0	50	0	0
66+50.00	0			
	0	50	0	0
67+00.00	0			
	0	6	0	0
67+05.60	0			
				TOTAL 14,491

STAGE I - ROBERT ROAD AGGREGATE SUBGRADE IMPROVEMENT				
STATION	UNSUITS (SF)	AVE. LENGTH	TOTAL (CF)	TOTAL (CY)
51+40.00	103			</

STAGE II - ROBERTS ROAD EARTHWORK QUANTITIES

STATION	CUT (SF)	AVE. LENGTH	TOTAL (CF)	TOTAL (CY)	STATION	FILL (SF)	AVE. LENGTH	TOTAL (CF)	TOTAL (CY)	STATION	UNSUIT. (SF)	AVE. LENGTH	TOTAL (CF)	TOTAL (CY)				
47+75.00	0				47+75.00	0				47+75.00	0							
		0 25	0	0			0 25	0	0			0 25	0	0				
48+00.00	0				48+00.00	0				48+00.00	0							
		0 50	0	0			0 50	0	0			0 50	0	0				
48+50.00	0				48+50.00	0				48+50.00	0							
		0 50	0	0			0 50	0	0			0 50	0	0				
49+00.00	0				49+00.00	0				49+00.00	0							
		0 30	0	0			0 30	0	0			0 30	0	0				
49+29.63	0				49+29.63	0				49+29.63	0							
		33 20	669	25			1 20	19	1			4 20	82	3				
49+50.00	46				49+50.00	2				49+50.00	11							
		69 50	3,444	128			2 50	80	3			10 50	524	19				
50+00.00	66				50+00.00	2				50+00.00	8							
		78 50	3,924	145			2 50	85	3			9 50	451	17				
50+50.00	91				50+50.00	2				50+50.00	10							
		92 50	4,619	171			2 50	78	3			10 50	501	19				
51+00.00	93				51+00.00	2				51+00.00	10							
		88 50	4,400	163			4 50	200	7			10 50	487	18				
51+50.00	83				51+50.00	6				51+50.00	9							
		74 50	3,695	137			8 50	403	15			7 50	371	14				
52+00.00	65				52+00.00	10				52+00.00	5							
		62 50	3,096	115			10 50	492	18			5 50	240	9				
52+50.00	59				52+50.00	10				52+50.00	4							
		54 50	2,720	101			6 50	290	11			4 50	179	7				
53+00.00	50				53+00.00	2				53+00.00	3							
		117 50	5,848	217			6 50	322	12			2 50	125	5				
53+50.00	224				53+50.00	5				53+50.00	4							
		193 50	9,663	358			8 50	378	14			4 50	223	8				
54+00.00	184				54+00.00	11				54+00.00	2							
		173 50	8,665	321			11 50	533	20			4 50	177	7				
54+50.00	163				54+50.00	10				54+50.00	5							
		93 32	2,942	109			11 32	360	13			5 32	158	6				
54+81.70	23				54+81.70	13				54+81.70	5							
		23 9	199	7			13 9	110	4			5 9	43	2				
54+90.51	23				54+90.51	12				54+90.51	5							
		17 9	166	6			33 9	308	11			10 9	90	3				
55+00.00	12				55+00.00	53				55+00.00	14							
		44 31	1,378	51			26 31	827	31			7 31	221	8				
55+31.38	76				55+31.38	0				55+31.38	0							
		75 19	1,393	52			21 19	383	14			3 19	55	2				
55+50.00	74				55+50.00	41				55+50.00	6							
		67 25	1,670	62			36 25	891	33			6 25	162	6				
55+75.00	59				55+75.00	30				55+75.00	7							
		52 25	1,295	48			28 25	709	26			6 25	144	5				
56+00.00	44				56+00.00	27				56+00.00	4							
		50 100	5,017	186			19 100	1,865	69			2 100	220	8				
57+00.00	56				57+00.00	11				57+00.00	0							
		28 100	2,812	104			37 100	3,726	138			3 100	308	11				
58+00.00	0				58+00.00	64				58+00.00	6							
		30 50	1,491	55			39 50	1,926	71			6 50	325	12				
														TOTAL	4,087			

STAGE II - ROBERTS ROAD EARTHWORK QUANTITIES

STATION	CUT (SF)	AVE. LENGTH	TOTAL (CF)	TOTAL (CY)	STATION	FILL (SF)	AVE. LENGTH	TOTAL (CF)	TOTAL (CY)	STATION	UNSUIT. (SF)	AVE. LENGTH	TOTAL (CF)	TOTAL (CY)				
58+50.00	60				58+50.00	13				58+50.00	7							
		36 50	1,802	67			17 50	865	32			3 50	171	6				
59+00.00	12				59+00.00	21				59+00.00	0							
		65 50	3,243	120			11 50	535	20			2 50	86	3				
59+50.00	117				59+50.00	0				59+50.00	3							
		132 34	4,417	164			7 34	222	8			4 34	123	5				
59+83.54	146				59+83.54	13				59+83.54	4							
		139 16	2,294	85			7 16	109	4			3 16	57	2				
60+00.00	133				60+00.00	0				60+00.00	3							
		131 25	3,268	121			0 25	0	0			4 25	102	4				
60+25.00	129				60+25.00	0				60+25.00	5							
		118 15	1,763	65			1 15	20	1			5 15	75	3				
60+39.90	108				60+39.90	3				60+39.90	5							
		108 10	1,092	40			3 10	26	1			5 10	51	2				
60+50.00	108				60+50.00	2				60+50.00	5							
		103 25	2,577	95			1 25	30	1			5 25	114	4				
60+75.00	98				60+75.00	0				60+75.00	4							
		93 25	2,334	86			0 25	10	0			4 25	107	4				
61+00.00	89				61+00.00	1				61+00.00	4							
		81 25	2,035	75			1 25	16	1			5 25	131	5				
61+25.00	74				61+25.00	0				61+25.00	6							
		70 25	1,758	65			1 25	13	0			6 25	138	5				
61+50.00	67				61+50.00	1				61+50.00	5							
		60 25	1,502	56			0 25	7	0			6 25	141	5				
61+75.00	53				61+75.00	0				61+75.00	6							
		45 25	1,130	42			0 25	6	0			5 25	127	5				
62+00.00	37				62+00.00	0				62+00.00	4							
		36 50	1,812	67			2 50	106	4			4 50	191	7				
62+50.00	35				62+50.00	4				62+50.00	4							
		34 50	1,718	64			5 50	244	9			4 50	187	7				
63+00.00	33				63+00.00	6				63+00.00	4							
		35 50	1,727	64			9 50	459	17			3 50	162	6				
63+50.00	36				63+50.00	12				63+50.00	3							
		37 50	1,873	69			11 50	544	20			3 50	135	5				
64+00.00	39				64+00.00	9				64+00.00	3							
		39 50	1,937	72			13 50	627	23			4 50	180	7				
64+50.00	38				64+50.00	16				64+50.00	5							
		39 50	1,953	72			16 50	781	29			5 50	255	9				
65+00.00	40				65+00.00	16				65+00.00	6							
		20 50	995	37			8 50	389	14			3 50	140	5				
65+50.00	0				65+50.00	0				65+50.00	0							
		0 50	0	0			0 50	0	0			0 50	0	0				
66+00.00	0				66+00.00	0				66+00.00	0							
		0 50	0	0			0 50	0	0			0 50	0	0				
66+50.00	0				66+50.00	0				66+50.00	0							
		0 50	0	0			0 50	0	0			0 50	0	0				
67+00.00	0				67+00.00	0				67+00.00	0							
		0 6	0	0			0 6	0	0			0 6	0	0				
67+05.60	0				67+05.60	0				67+05.60	0							
														TOTAL	703			

STAGE II - ROBERT ROAD AGGREGATE SUBGRADE IMPROVEMENT					
STATION	UNSUIT (SF)	AVE.	LENGTH	TOTAL (CF)	TOTAL (CY)
51+40.00	0				
		0	50	0	0
51+50.00	0				
		0	50	0	0
52+00.00	0				
		0	50	0	0
52+50.00	0				
		0	50	0	0
53+00.00	0				
		50	50	2,486	92
53+50.00	109				
		98	50	4,924	182
54+00.00	99				
		94	50	4,687	174
54+50.00	88				
		44	32	1,395	52
54+81.70	0				
		0	9	0	0
54+90.51	0				
		0	9	0	0
55+00.00	0				
		0	31	0	0
55+31.38	0				
		22	19	406	15
55+50.00	44				
		39	25	982	36
55+75.00	35				
		30	25	757	28
56+00.00	26				
		13	100	1,283	48
57+00.00	0				
		0	100	0	0
58+00.00	0				
		0	50	0	0
58+50.00	0				
		0	50	0	0
59+00.00	0				
		0	50	0	0
59+50.00	0				
		0	34	0	0
59+83.54	0				
		0	16	0	0
60+00.00	0				
		0	25	0	0
60+25.00					





STATE PLANE  
COORDINATES  
IL EAST ZONE  
(NAVD 83)

PROP. CURVE ROBERTS.CL-5  
PI STA. = 66+59.06  
 $\Delta = 0^\circ 50' 46''$  (RT)  
D = 1° 08' 45"  
R = 5,000.00'  
T = 36.92'  
L = 73.84'  
E = 0.14'  
e = -----  
T.R. = -----  
S.E. RUN = -----  
P.C. STA = 66+22.14  
P.T. STA = 66+95.98

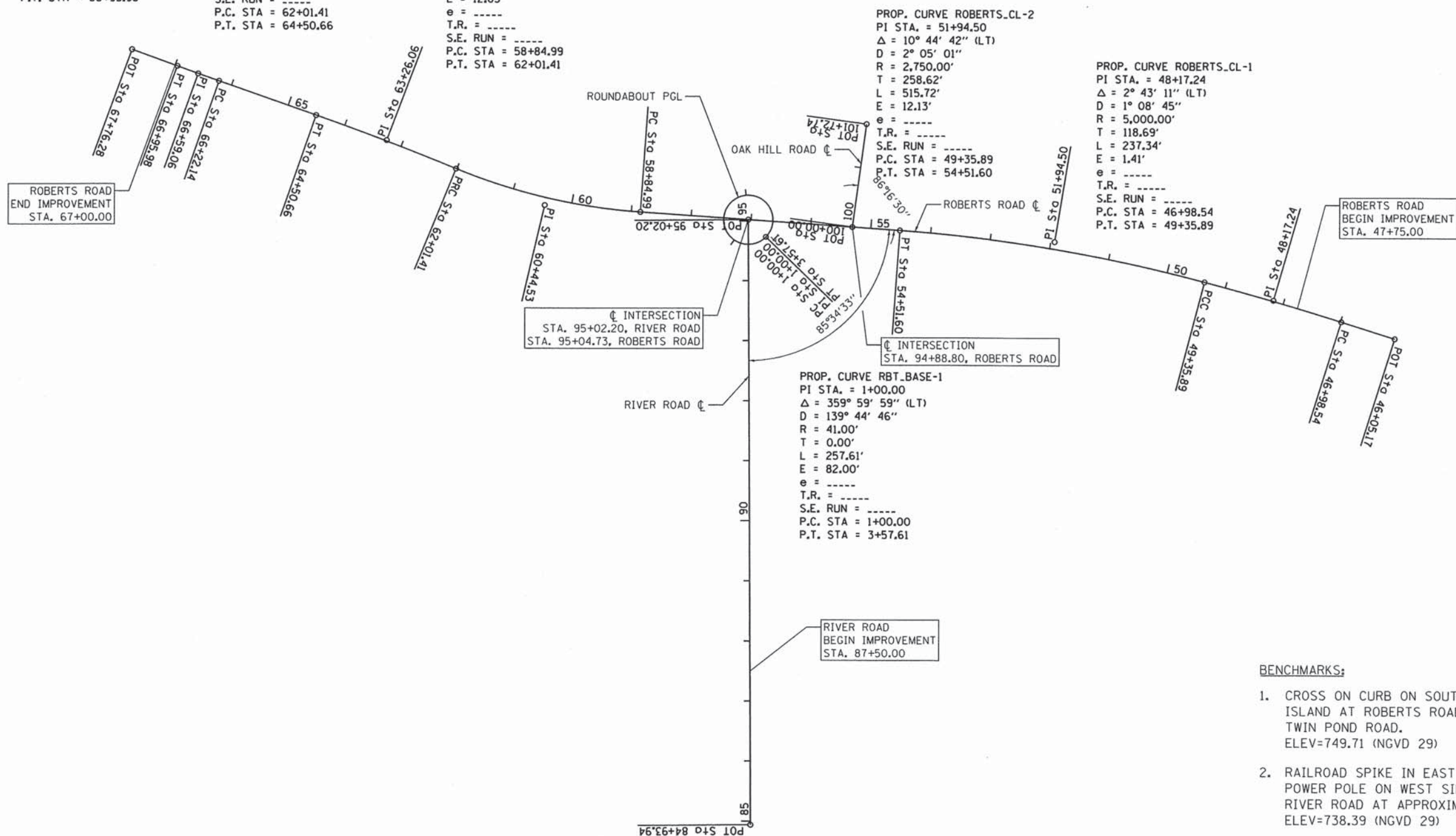
PROP. CURVE ROBERTS.CL-4  
PI STA. = 63+26.06  
 $\Delta = 2^\circ 51' 22''$  (LT)  
D = 1° 08' 45"  
R = 5,000.00'  
T = 124.65'  
L = 249.25'  
E = 1.55'  
e = -----  
T.R. = -----  
S.E. RUN = -----  
P.C. STA = 62+01.41  
P.T. STA = 64+50.66

PROP. CURVE ROBERTS.CL-3  
PI STA. = 60+44.53  
 $\Delta = 18^\circ 07' 45''$  (RT)  
D = 5° 43' 46"  
R = 1,000.00'  
T = 159.54'  
L = 316.42'  
E = 12.65'  
e = -----  
T.R. = -----  
S.E. RUN = -----  
P.C. STA = 58+84.99  
P.T. STA = 62+01.41

PROP. CURVE ROBERTS.CL-2  
PI STA. = 51+94.50  
 $\Delta = 10^\circ 44' 42''$  (LT)  
D = 2° 05' 01"  
R = 2,750.00'  
T = 258.62'  
L = 515.72'  
E = 12.13'  
e = -----  
T.R. = -----  
S.E. RUN = -----  
P.C. STA = 49+35.89  
P.T. STA = 54+51.60

PROP. CURVE ROBERTS.CL-1  
PI STA. = 48+17.24  
 $\Delta = 2^\circ 43' 11''$  (LT)  
D = 1° 08' 45"  
R = 5,000.00'  
T = 118.69'  
L = 237.34'  
E = 1.41'  
e = -----  
T.R. = -----  
S.E. RUN = -----  
P.C. STA = 46+98.54  
P.T. STA = 49+35.89

PROP. CURVE RBT.BASE-1  
PI STA. = 1+00.00  
 $\Delta = 359^\circ 59' 59''$  (LT)  
D = 139° 44' 46"  
R = 41.00'  
T = 0.00'  
L = 257.61'  
E = 82.00'  
e = -----  
T.R. = -----  
S.E. RUN = -----  
P.C. STA = 1+00.00  
P.T. STA = 3+57.61



**BENCHMARKS:**

- CROSS ON CURB ON SOUTH SIDE OF ISLAND AT ROBERTS ROAD AND TWIN POND ROAD.  
ELEV=749.71 (NGVD 29)
- RAILROAD SPIKE IN EAST FACE OF POWER POLE ON WEST SIDE OF RIVER ROAD AT APPROXIMATELY STA. 88+00.  
ELEV=738.39 (NGVD 29)
- CROSS ON CURB ON SOUTH SIDE OF ROBERTS ROAD AT APPROXIMATELY STA. 69+00 (WAS CP5007)  
ELEV=756.26 (NGVD 29)

FILE NAME = F:\B77-018 River-Roberts Phase 1\1\CADD\SHEETS\B77-018-SHT\_ATB.dgn



USER NAME = #USER#	DESIGNED - GJE	REVISED -
PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

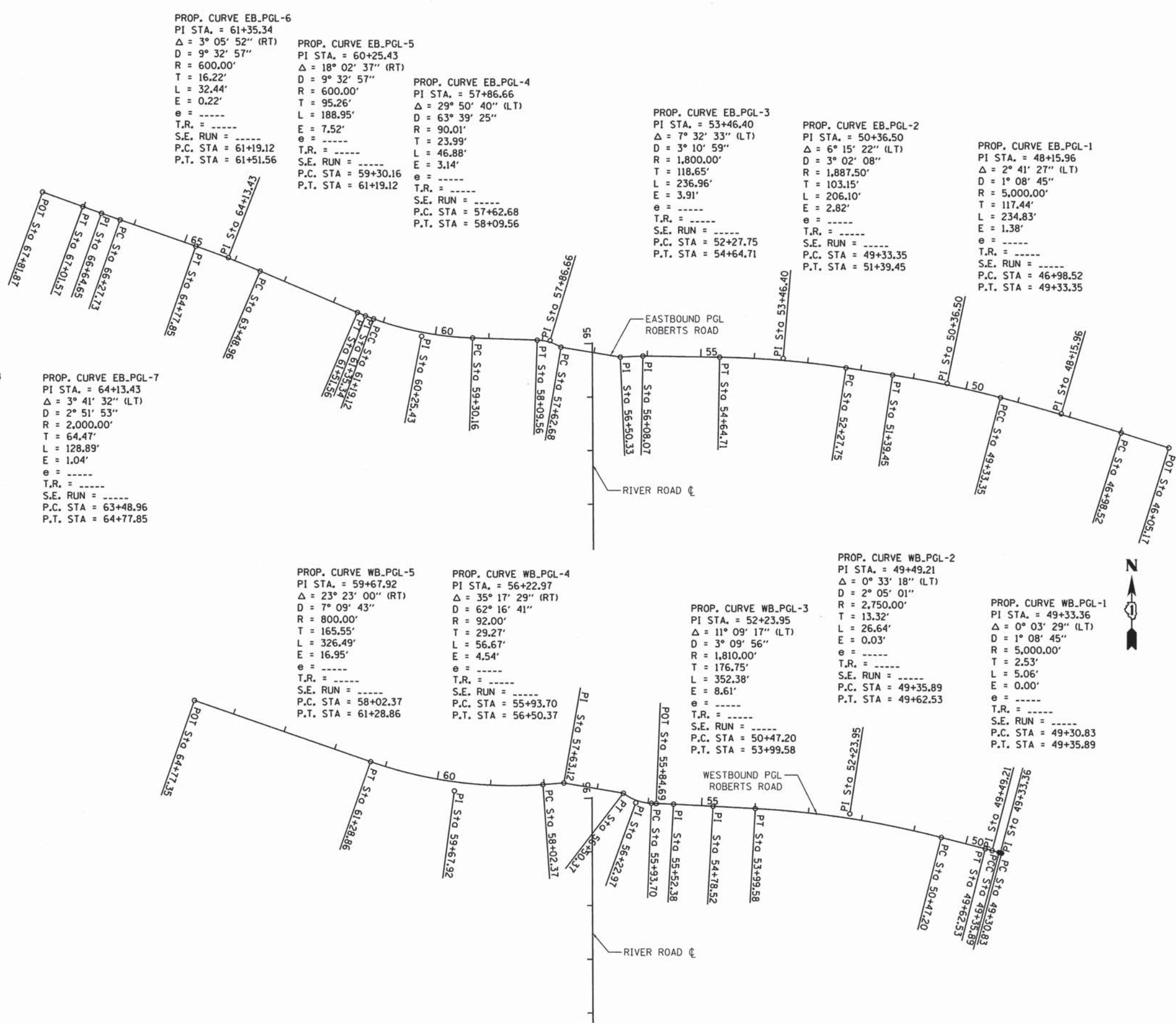
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
ALIGNMENT, TIES AND BENCHMARKS**

SCALE: 1"=100" SHEET 28 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	28
CONTRACT NO. 63875				

ILLINOIS FED. AID PROJECT



PROP. CURVE EB\_PGL-6  
 PI STA. = 61+35.34  
 $\Delta = 3^\circ 05' 52''$  (RT)  
 $D = 9^\circ 32' 57''$   
 $R = 600.00'$   
 $T = 16.22'$   
 $L = 32.44'$   
 $E = 0.22'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 61+19.12$   
 $P.T. STA = 61+51.56$

PROP. CURVE EB\_PGL-5  
 PI STA. = 60+25.43  
 $\Delta = 18^\circ 02' 37''$  (RT)  
 $D = 9^\circ 32' 57''$   
 $R = 600.00'$   
 $T = 95.26'$   
 $L = 188.95'$   
 $E = 7.52'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 59+30.16$   
 $P.T. STA = 61+19.12$

PROP. CURVE EB\_PGL-4  
 PI STA. = 57+86.66  
 $\Delta = 29^\circ 50' 40''$  (LT)  
 $D = 63^\circ 39' 25''$   
 $R = 90.01'$   
 $T = 23.99'$   
 $L = 46.88'$   
 $E = 3.14'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 57+62.68$   
 $P.T. STA = 58+09.56$

PROP. CURVE EB\_PGL-3  
 PI STA. = 53+46.40  
 $\Delta = 7^\circ 32' 33''$  (LT)  
 $D = 3^\circ 10' 59''$   
 $R = 1,800.00'$   
 $T = 118.65'$   
 $L = 236.96'$   
 $E = 3.91'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 52+27.75$   
 $P.T. STA = 54+64.71$

PROP. CURVE EB\_PGL-2  
 PI STA. = 50+36.50  
 $\Delta = 6^\circ 15' 22''$  (LT)  
 $D = 3^\circ 02' 08''$   
 $R = 1,887.50'$   
 $T = 103.15'$   
 $L = 206.10'$   
 $E = 2.82'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 49+33.35$   
 $P.T. STA = 51+39.45$

PROP. CURVE EB\_PGL-1  
 PI STA. = 48+15.96  
 $\Delta = 2^\circ 41' 27''$  (LT)  
 $D = 1^\circ 08' 45''$   
 $R = 5,000.00'$   
 $T = 117.44'$   
 $L = 234.83'$   
 $E = 1.38'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 46+98.52$   
 $P.T. STA = 49+33.35$

PROP. CURVE EB\_PGL-8  
 PI STA. = 66+64.65  
 $\Delta = 0^\circ 50' 46''$  (RT)  
 $D = 1^\circ 08' 45''$   
 $R = 5,000.00'$   
 $T = 36.92'$   
 $L = 73.84'$   
 $E = 0.14'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 66+27.73$   
 $P.T. STA = 67+01.57$

PROP. CURVE EB\_PGL-7  
 PI STA. = 64+13.43  
 $\Delta = 3^\circ 41' 32''$  (LT)  
 $D = 2^\circ 51' 53''$   
 $R = 2,000.00'$   
 $T = 64.47'$   
 $L = 128.89'$   
 $E = 1.04'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 63+48.96$   
 $P.T. STA = 64+77.85$

PROP. CURVE WB\_PGL-5  
 PI STA. = 59+67.92  
 $\Delta = 23^\circ 23' 00''$  (RT)  
 $D = 7^\circ 09' 43''$   
 $R = 800.00'$   
 $T = 165.55'$   
 $L = 326.49'$   
 $E = 16.95'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 58+02.37$   
 $P.T. STA = 61+28.86$

PROP. CURVE WB\_PGL-4  
 PI STA. = 56+22.97  
 $\Delta = 35^\circ 17' 29''$  (RT)  
 $D = 62^\circ 16' 41''$   
 $R = 92.00'$   
 $T = 29.27'$   
 $L = 56.67'$   
 $E = 4.54'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 55+93.70$   
 $P.T. STA = 56+50.37$

PROP. CURVE WB\_PGL-3  
 PI STA. = 52+23.95  
 $\Delta = 11^\circ 09' 17''$  (LT)  
 $D = 3^\circ 09' 56''$   
 $R = 1,810.00'$   
 $T = 176.75'$   
 $L = 352.38'$   
 $E = 8.61'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 50+47.20$   
 $P.T. STA = 53+99.58$

PROP. CURVE WB\_PGL-2  
 PI STA. = 49+49.21  
 $\Delta = 0^\circ 33' 18''$  (LT)  
 $D = 2^\circ 05' 01''$   
 $R = 2,750.00'$   
 $T = 13.32'$   
 $L = 26.64'$   
 $E = 0.03'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 49+35.89$   
 $P.T. STA = 49+62.53$

PROP. CURVE WB\_PGL-1  
 PI STA. = 49+33.36  
 $\Delta = 0^\circ 03' 29''$  (LT)  
 $D = 1^\circ 08' 45''$   
 $R = 5,000.00'$   
 $T = 2.53'$   
 $L = 5.06'$   
 $E = 0.00'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA = 49+30.83$   
 $P.T. STA = 49+35.89$

FILE NAME = F:\N877-010 River Roberts SHEETS\877-010\_SHT\_ATB\_02.dgn



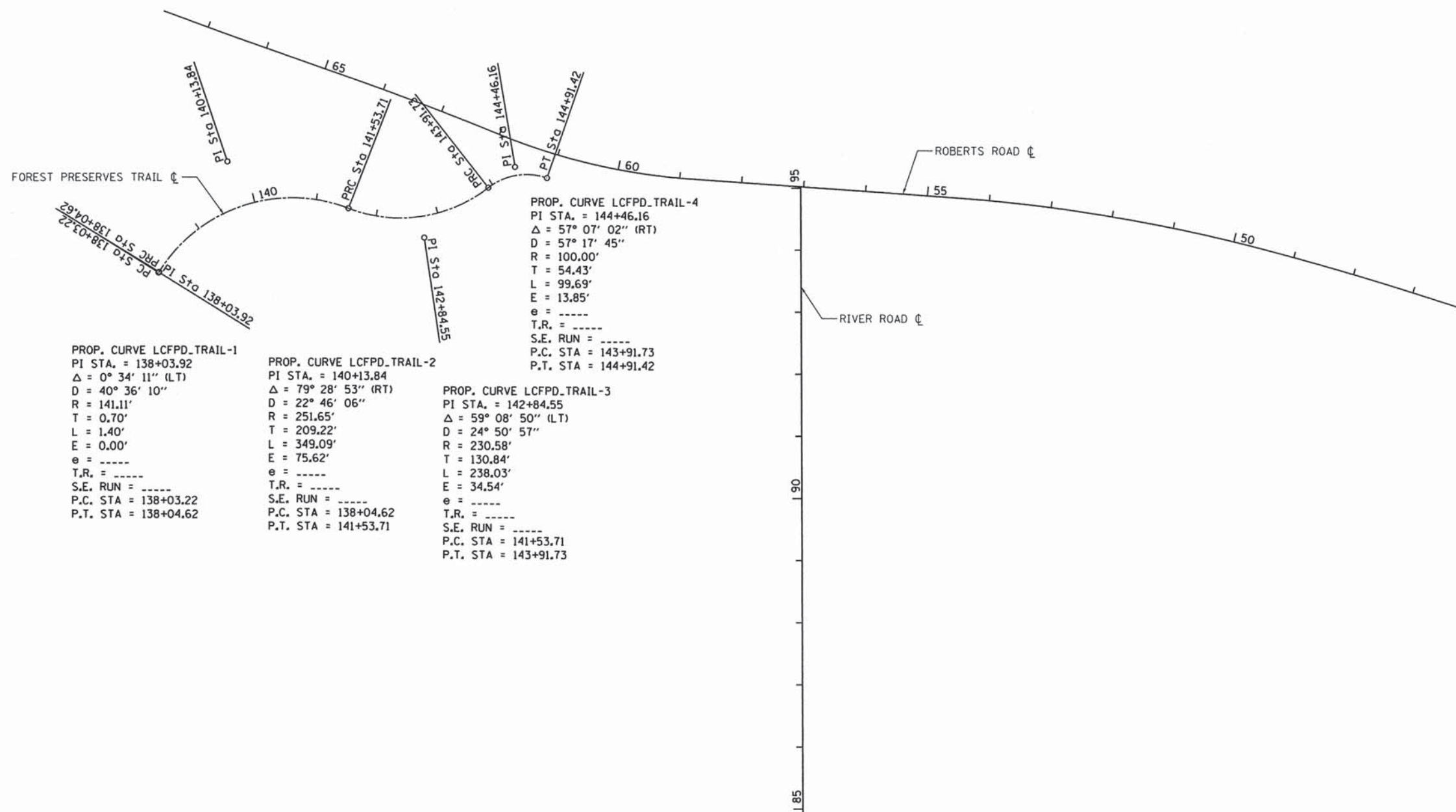
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	DATE - 11/08/2013	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

RIVER ROAD AT ROBERTS ROAD  
 ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=100' SHEET 29 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	29
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



FILE NAME = F:\877-010 River Roberts Phase 11\CADD\SHEETS\877-010\_SHT\_ATL\_03.dgn



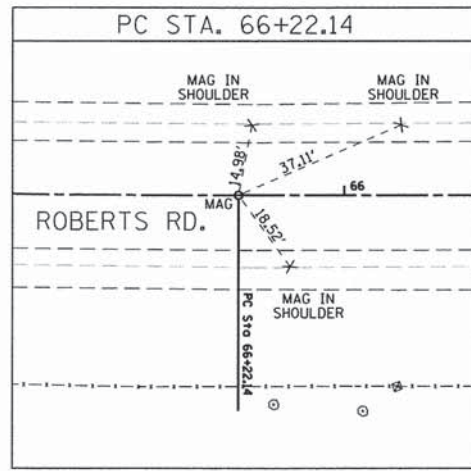
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PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

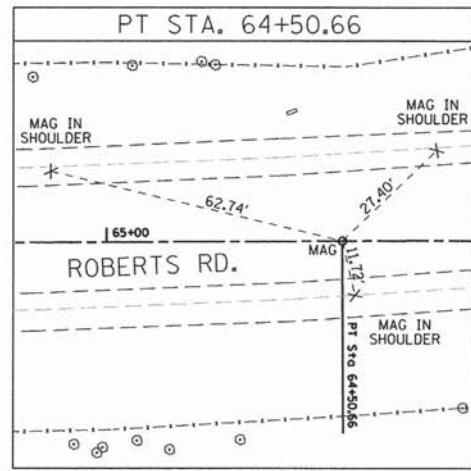
**RIVER ROAD AT ROBERTS ROAD  
ALIGNMENT, TIES AND BENCHMARKS**

SCALE: 1"=100" SHEET 30 OF 183 SHEETS STA. TO STA.

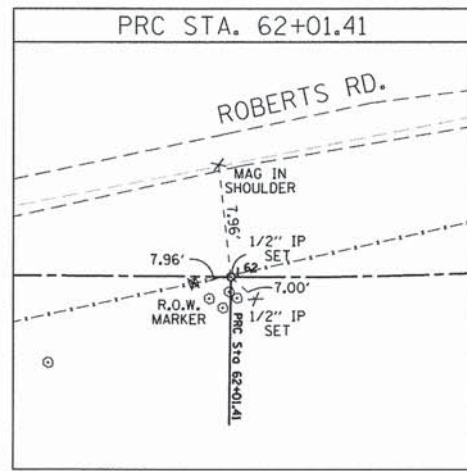
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	30
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



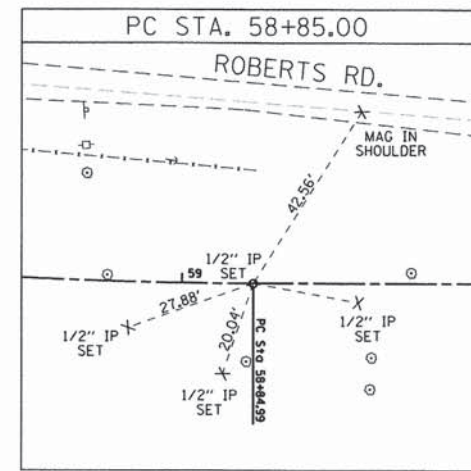
STA. 66+22.14  
N. 2029796.43  
E. 1027822.78



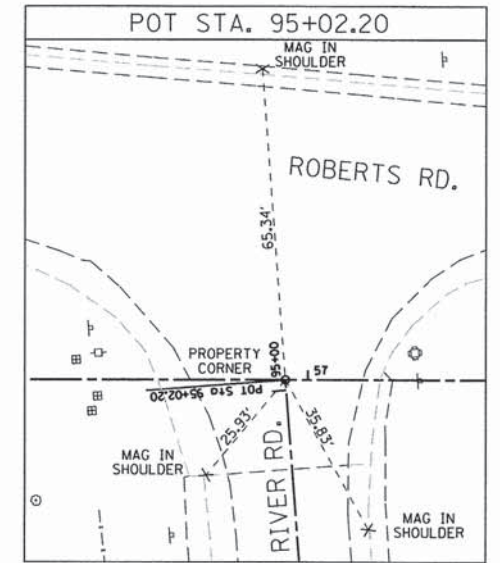
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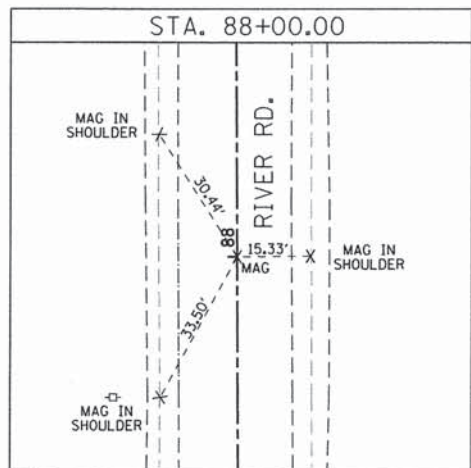
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N. 2029624.29  
E. 1028217.62



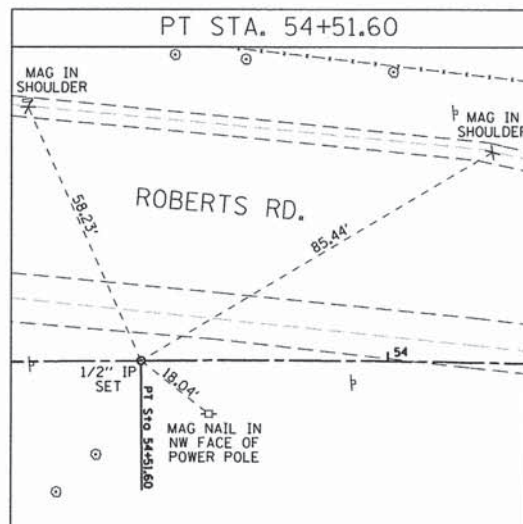
STA. 58+84.99  
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E. 1028524.49



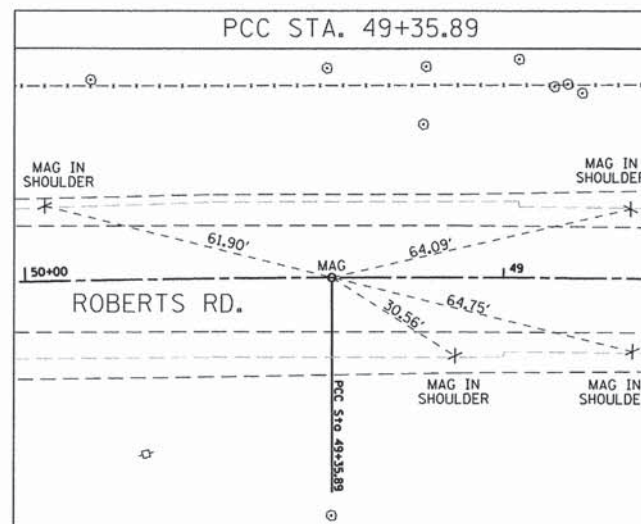
STA. 95+02.20  
N. 2029539.95  
E. 1028704.30



STA. 88+00.00  
N. 2028837.76  
E. 1028708.72



STA. 54+51.60  
N. 2029522.01  
E. 1028956.79



STA. 49+35.89  
N. 2029437.58  
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FILE NAME = F:\977-018 River-Roberts Phase 1\1\CADD\_SHEETS\977-018\_SHT\_01B\_04.dgn



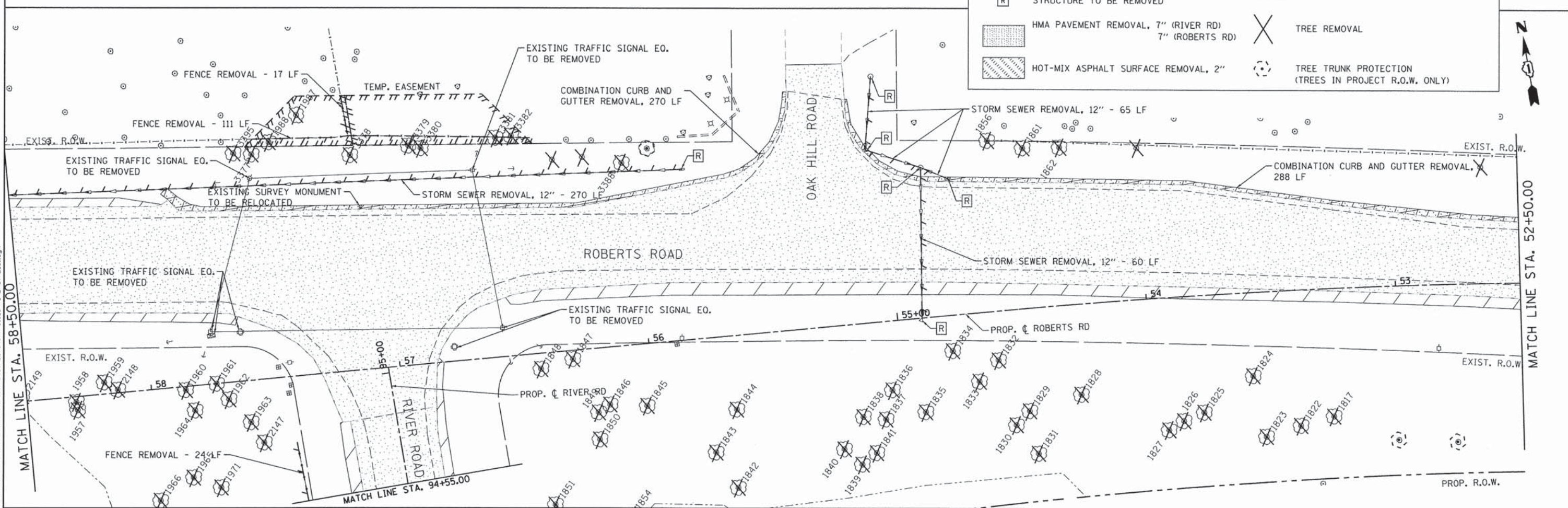
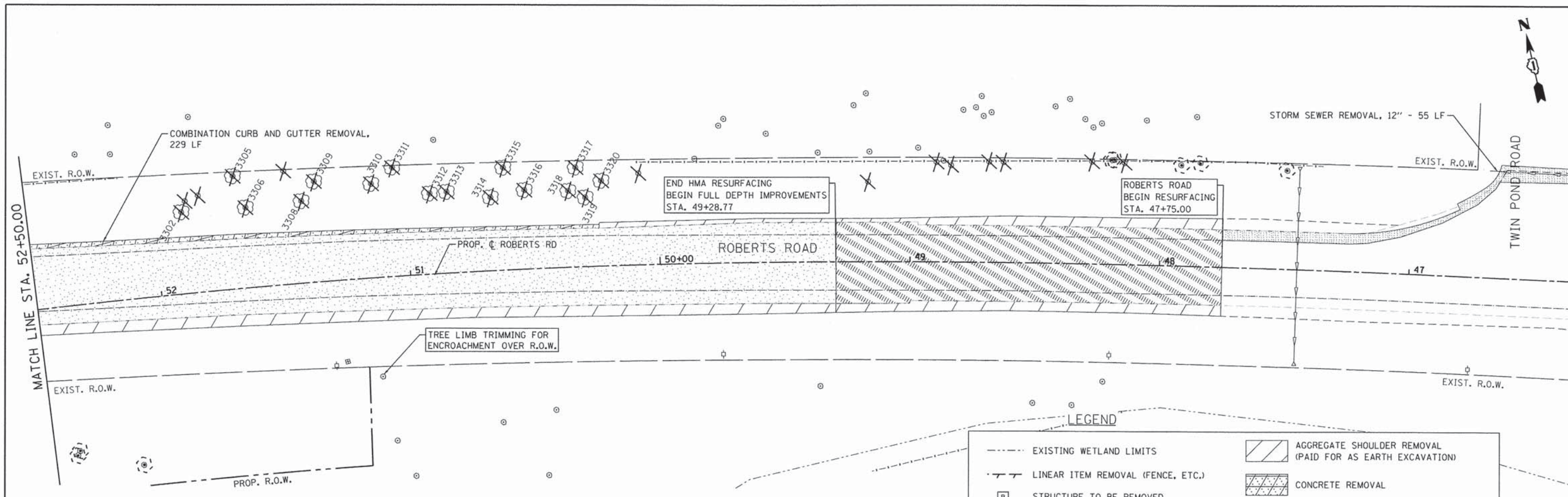
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	DATE - 11/08/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIVER ROAD AT ROBERTS ROAD  
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1"=20" SHEET 31 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	31
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



**LEGEND**

	EXISTING WETLAND LIMITS		AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
	LINEAR ITEM REMOVAL (FENCE, ETC.)		CONCRETE REMOVAL
	STRUCTURE TO BE REMOVED		TREE REMOVAL
	HMA PAVEMENT REMOVAL, 7" (RIVER RD) 7" (ROBERTS RD)		TREE TRUNK PROTECTION (TREES IN PROJECT R.O.W. ONLY)
	HOT-MIX ASPHALT SURFACE REMOVAL, 2"		

FILE NAME = F:\877-010 River Roberts Phase II\CADD\SHEETS\877-010-SHT\_REMOVAL.dwg

**Bollinger, Lach & Associates, Inc.**  
ITASCA, ILLINOIS

USER NAME = #USER#	DESIGNED - GJE	REVISED -
PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

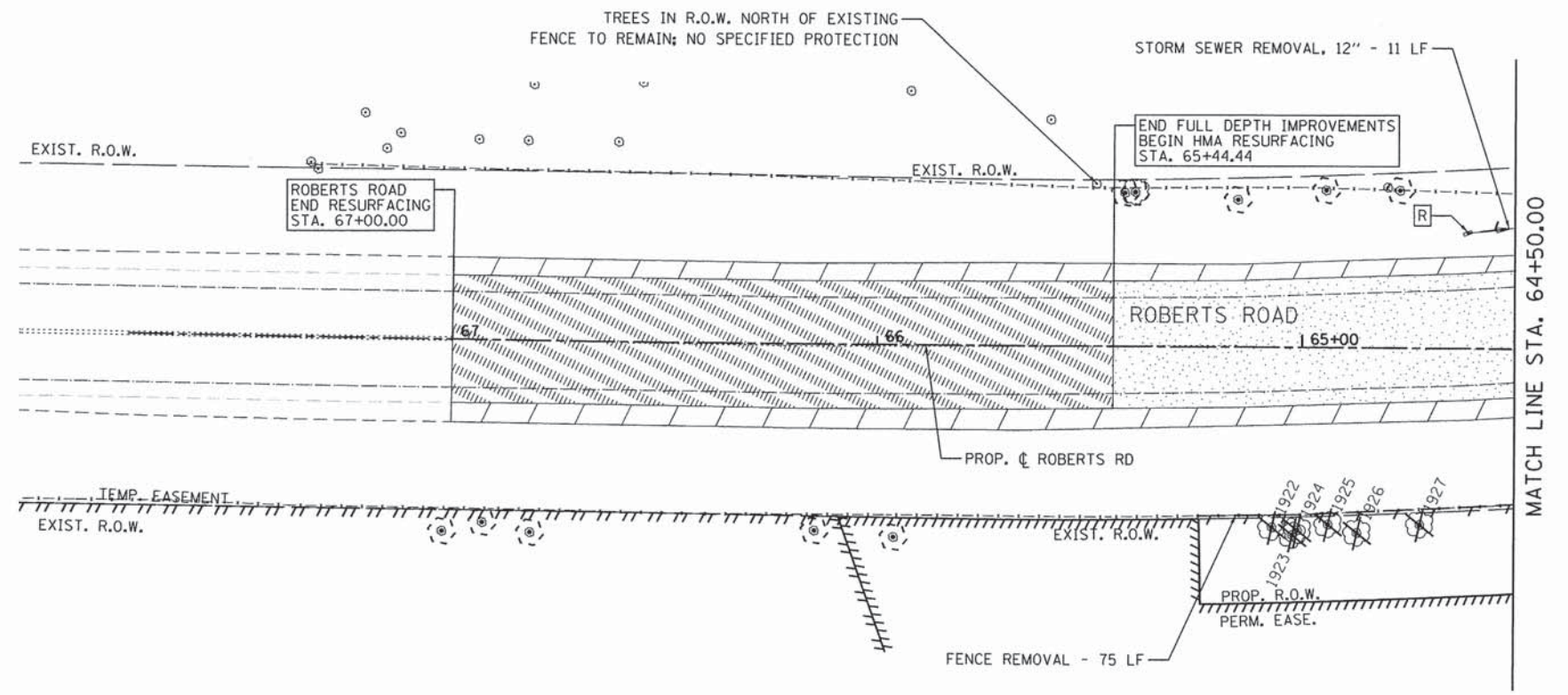
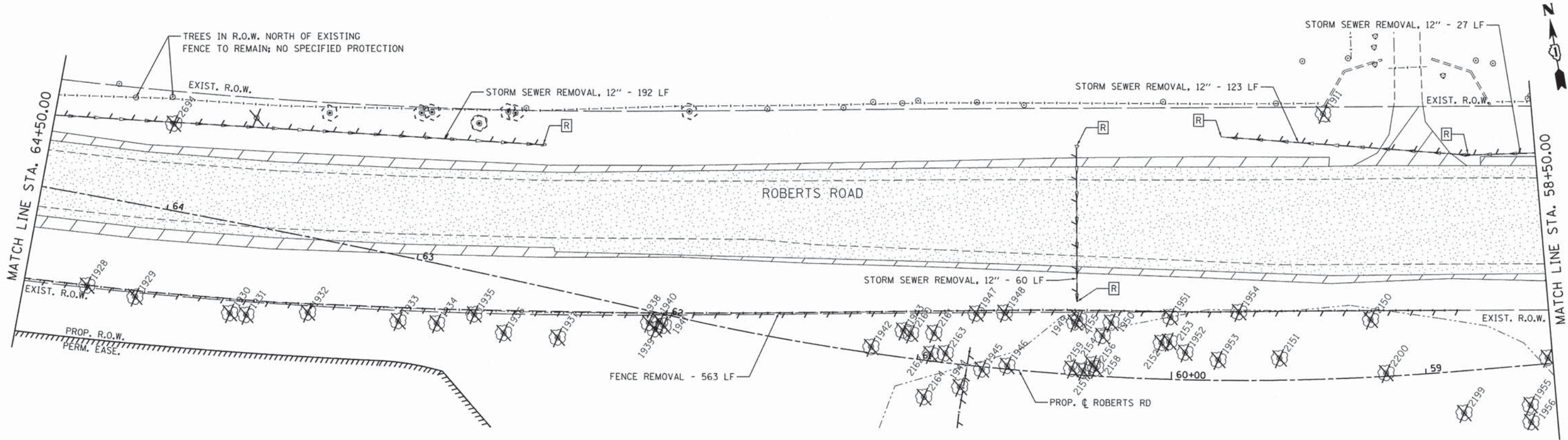
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROBERTS ROAD  
REMOVAL PLAN**

SCALE: 1"=20'    SHEET 32 OF 183 SHEETS    STA. 46+50.00 TO STA. 58+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	32
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				





**LEGEND**

	EXISTING WETLAND LIMITS		AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
	LINEAR ITEM REMOVAL (FENCE, ETC.)		CONCRETE REMOVAL
	STRUCTURE TO BE REMOVED		TREE REMOVAL
	HMA PAVEMENT REMOVAL, 7" (RIVER RD) 7" (ROBERTS RD)		TREE TRUNK PROTECTION (TREES IN PROJECT R.O.W. ONLY)
	HOT-MIX ASPHALT SURFACE REMOVAL, 2"		

FILE NAME = F:\877-010 River Roberts Phase 1\CAD\01 SHEETS\877-010\_SHT\_REMOVAL\_02.dgn



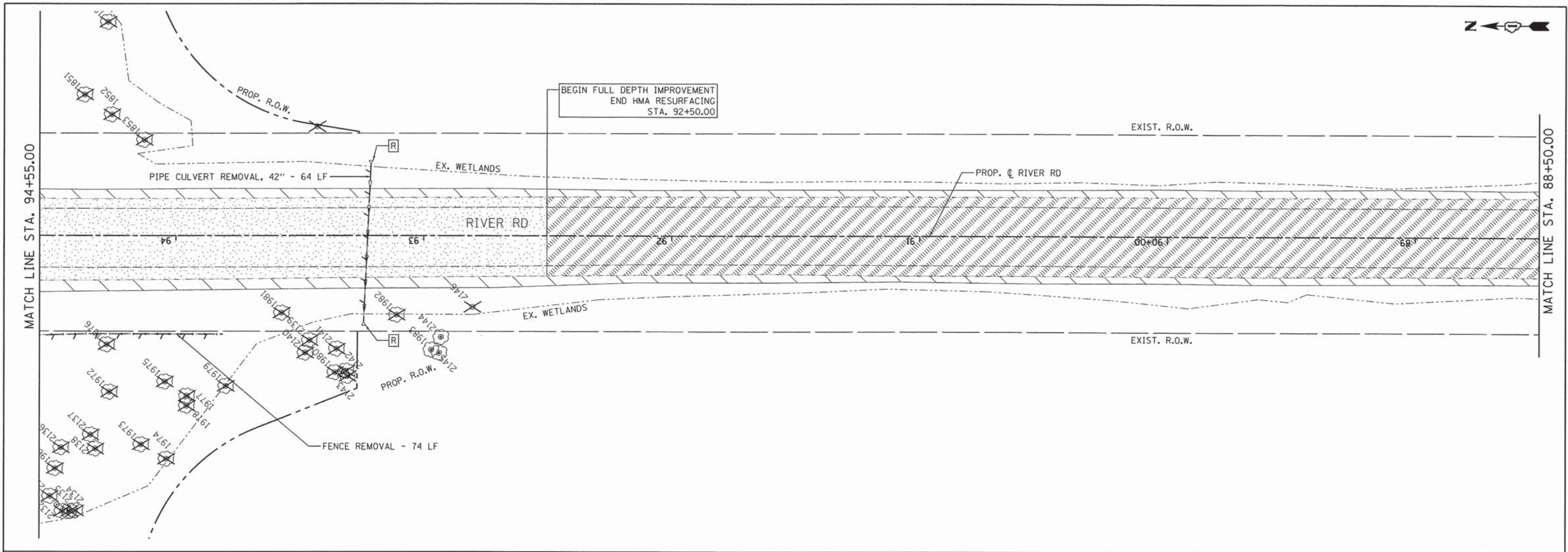
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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROBERTS ROAD  
REMOVAL PLAN**

SCALE: 1"=20' SHEET 33 OF 183 SHEETS STA. 58+50.00 TO STA. 67+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	33
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



**LEGEND**

	EXISTING WETLAND LIMITS		AGGREGATE SHOULDER REMOVAL (PAID FOR AS EARTH EXCAVATION)
	LINEAR ITEM REMOVAL (FENCE, ETC.)		CONCRETE REMOVAL
	STRUCTURE TO BE REMOVED		TREE REMOVAL
	HMA PAVEMENT REMOVAL, 7" (RIVER RD) 7" (ROBERTS RD)		TREE TRUNK PROTECTION (TREES IN PROJECT R.O.W. ONLY)
	HOT-MIX ASPHALT SURFACE REMOVAL, 2"		

FILE NAME = F:\B77-018 River Roberts Phase II\CADD\SHEETS\B77-018\_SHT\_REMOVAL\_03.dgn

**Bollinger, Lach & Associates, Inc.**  
ITASCA, ILLINOIS

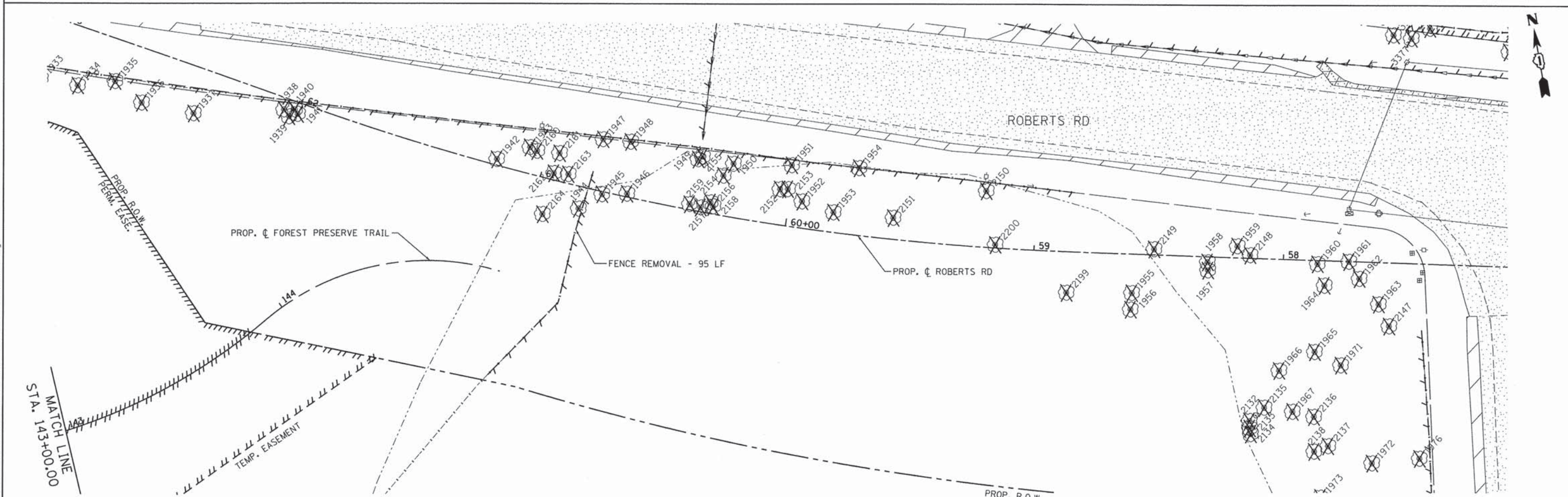
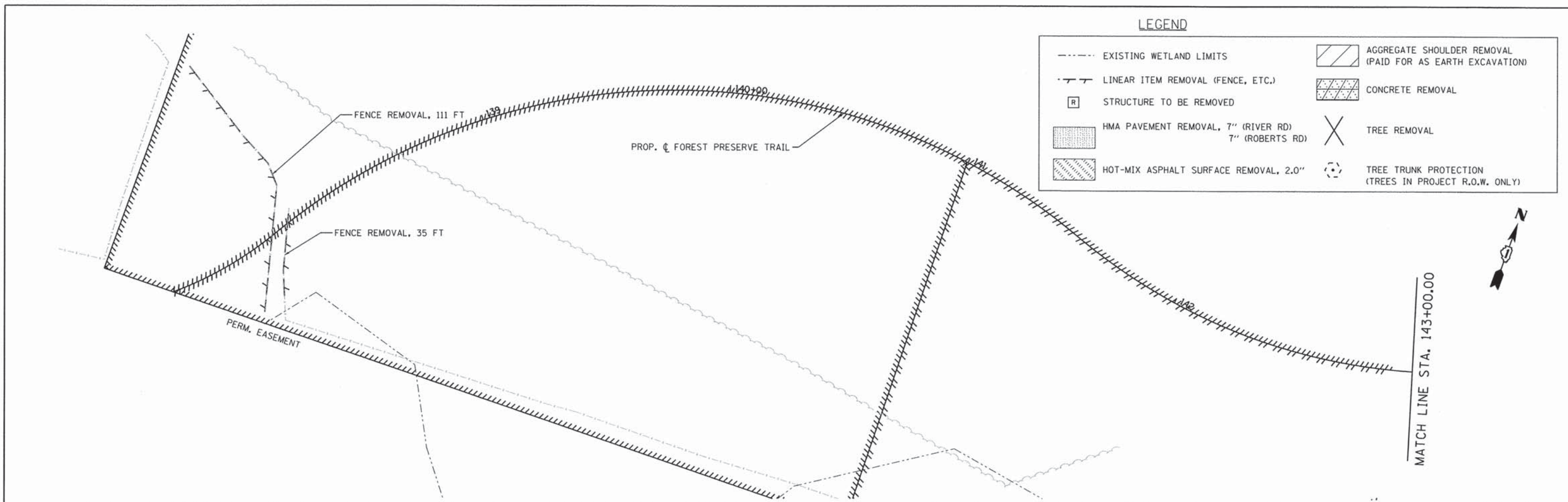
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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**


**RIVER ROAD  
REMOVAL PLAN**

SCALE: 1"=20'    SHEET 34 OF 183 SHEETS    STA. 94+55.00 TO STA. 87+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	34
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



FILE NAME = F:\S77-018 River Roberts Phase I\CAD\DWG\SHEETS\877-018\_SHT\_REMOVAL\_04.dwg

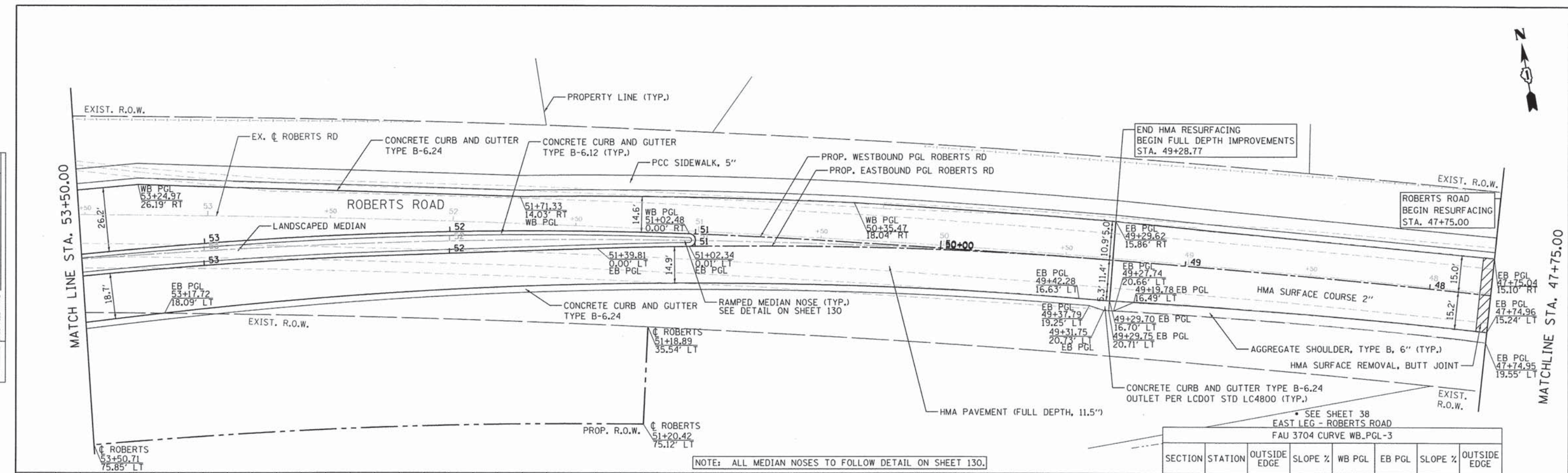
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	PLOT SCALE = #SCALE#	CHECKED - DBB	REVISED -		SCALE: 1"=20'	SHEET 35 OF 183 SHEETS	STA. TO STA.	CONTRACT NO. 63875				
	PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -		ILLINOIS FED. AID PROJECT							





PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
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	BY		
	FILE NAME		

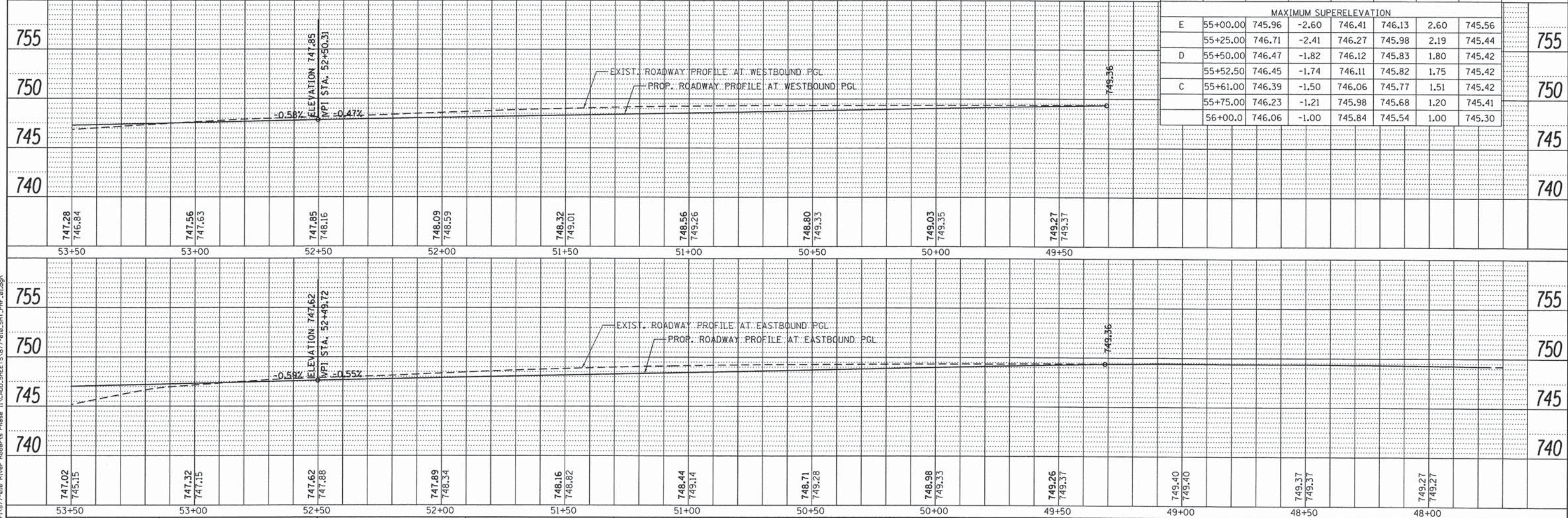
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NOTE BOOK NO.	PLOTTED		
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	DATE		
	BY		
	FILE NAME		



NOTE: ALL MEDIAN NOSES TO FOLLOW DETAIL ON SHEET 130.

SEE SHEET 38  
EAST LEG - ROBERTS ROAD  
FAU 3704 CURVE WB\_PGL-3

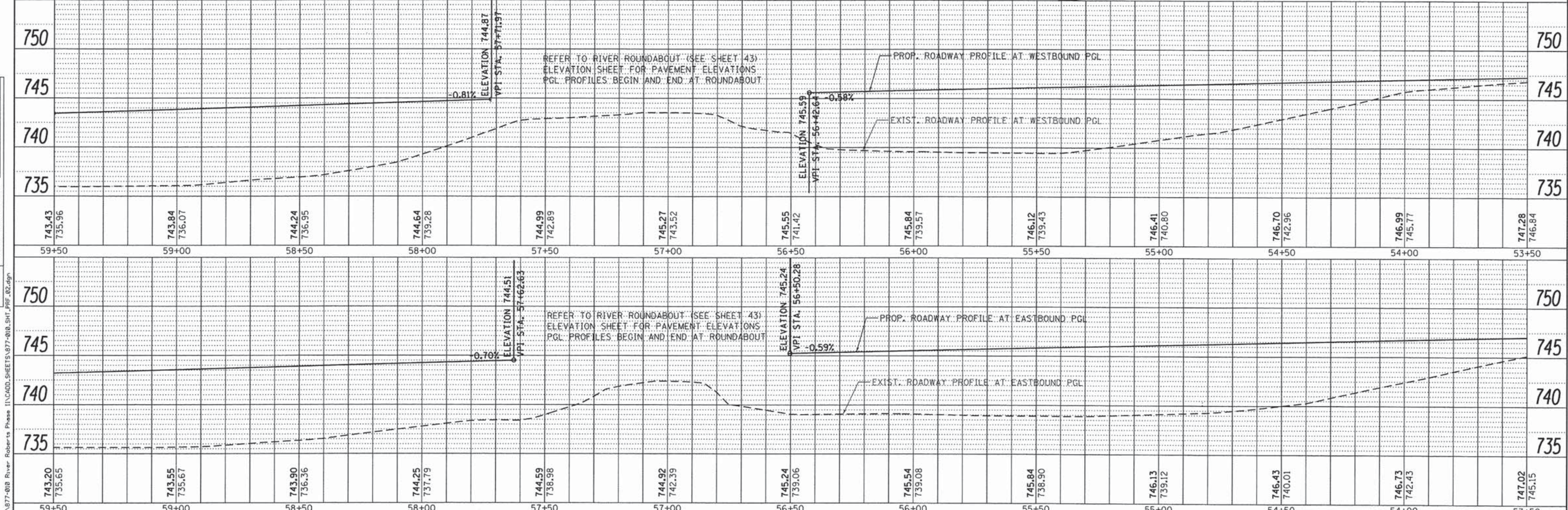
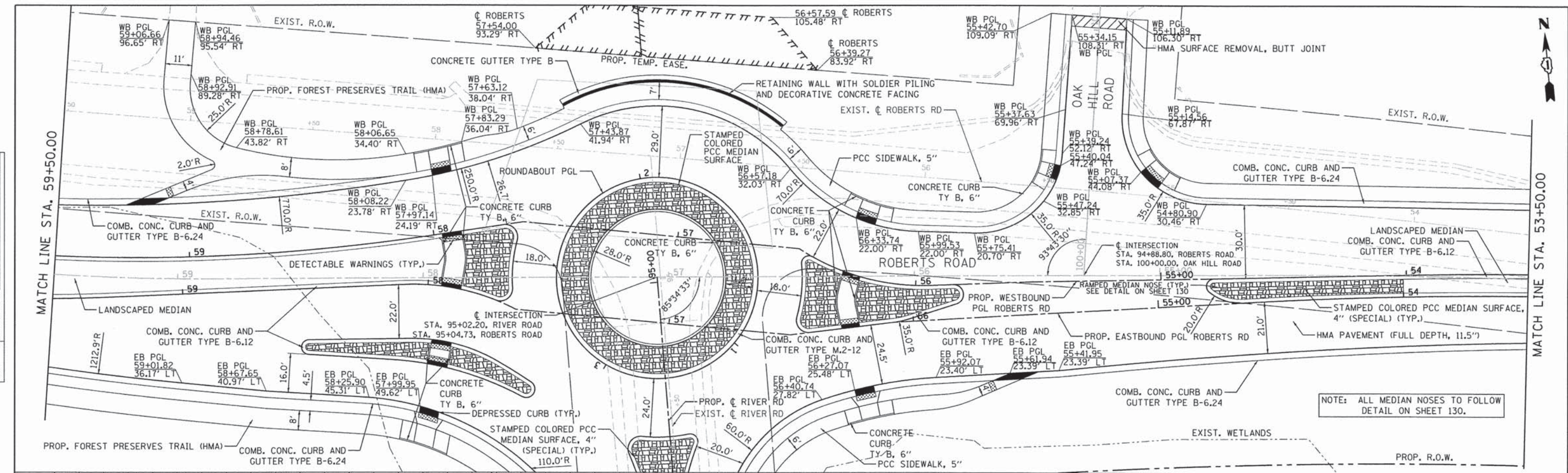
SECTION	STATION	OUTSIDE EDGE	SLOPE %	WB PGL	EB PGL	SLOPE %	OUTSIDE EDGE
MAXIMUM SUPERELEVATION							
E	55+00.00	745.96	-2.60	746.41	746.13	2.60	745.56
	55+25.00	746.71	-2.41	746.27	745.98	2.19	745.44
D	55+50.00	746.47	-1.82	746.12	745.83	1.80	745.42
	55+52.50	746.45	-1.74	746.11	745.82	1.75	745.42
C	55+61.00	746.39	-1.50	746.06	745.77	1.51	745.42
	55+75.00	746.23	-1.21	745.98	745.68	1.20	745.41
	56+00.00	746.06	-1.00	745.84	745.54	1.00	745.30



<p><b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS</p>	USER NAME = #USER#	DESIGNED - GJE	REVISIONS	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p>	<p align="center"><b>ROBERTS ROAD</b> <b>PLAN AND PROFILE</b></p>	F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 37
	PLOT SCALE = #SCALE#	CHECKED - DDB	REVISIONS			SCALE: 1"=20'	SHEET 37 OF 183 SHEETS	STA. 47+75.00 TO STA. 53+50.00	CONTRACT NO. 63875	
	PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISIONS			ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLotted	BY
NO.	CHECKED	
	RT. OF WAY	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLotted	BY
NO.	CHECKED	
	STRUCTURE	
	NOTATIONS	



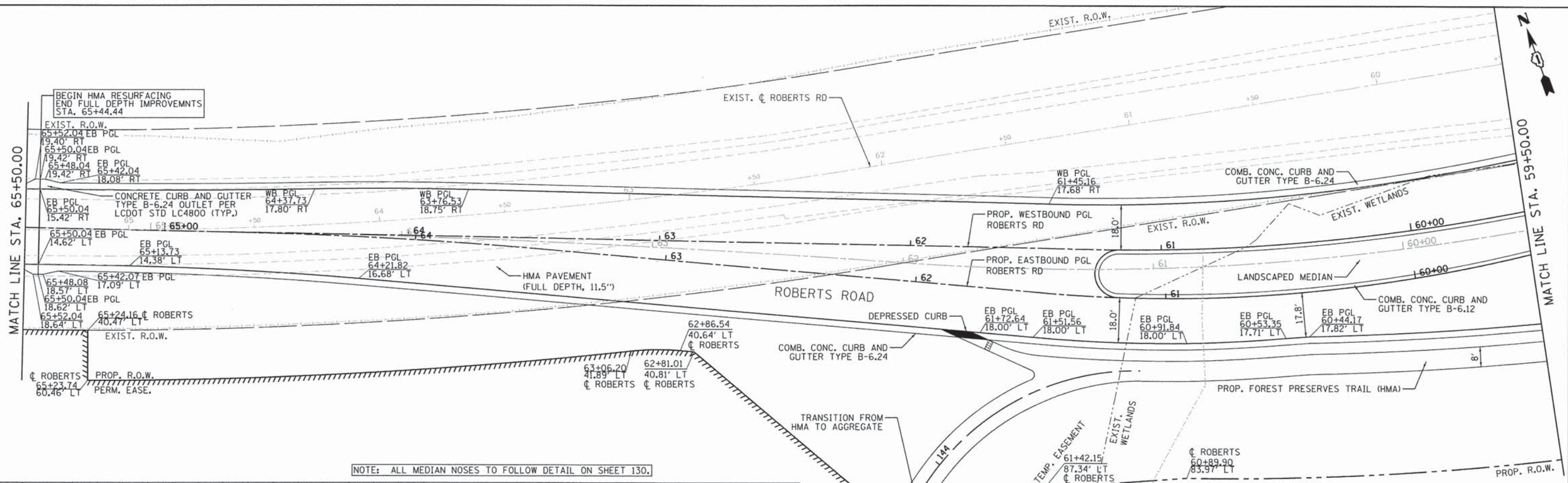
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	PLOT SCALE = #SCALE# PLOT DATE = 11/6/2013	SCALE: 1"=20' SHEET 38 OF 183 SHEETS STA. 53+50.00 TO STA. 59+50.00			ILLINOIS FED. AID PROJECT

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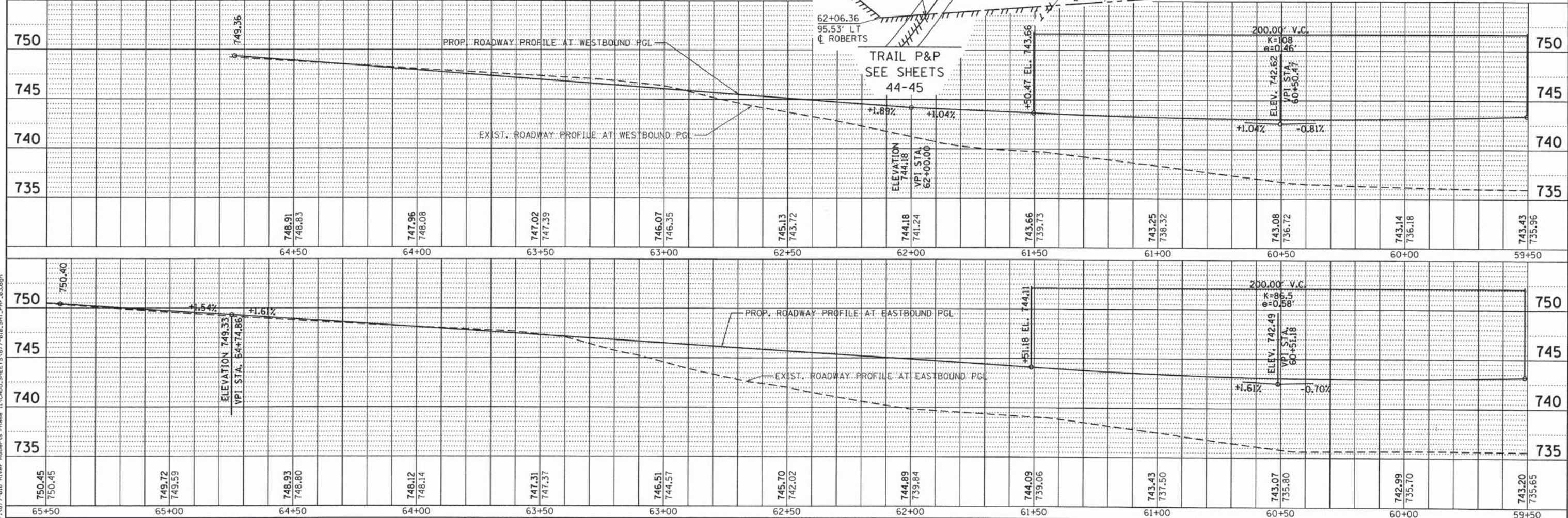
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NOTE BOOK NO.	PLOTTED		
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	BY		
	FILE NAME		

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NOTE BOOK NO.	PLOTTED		
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	DATE		
	BY		
	FILE NAME		

FILE NAME = F:\877-018 River Roberts Phase II\CADD\SHEETS\877-018\_SHT\_PRF\_03.dgn



NOTE: ALL MEDIAN NOSES TO FOLLOW DETAIL ON SHEET 130.



<b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS	USER NAME = #USER#	DESIGNED - GJE	REVISÉ -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ROBERTS ROAD</b> <b>PLAN AND PROFILE</b>		F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 39
	PLOT SCALE = #SCALE#	CHECKED - DDB	REVISÉ -		SCALE: 1"=20'	SHEET 39 OF 183 SHEETS	STA. 59+50.00 TO STA. 65+50.00	CONTRACT NO. 63875		ILLINOIS FED. AID PROJECT	
PLOT DATE = 11/6/2013	DATE = 11/08/2013	REVISÉ -	REVISÉ -								

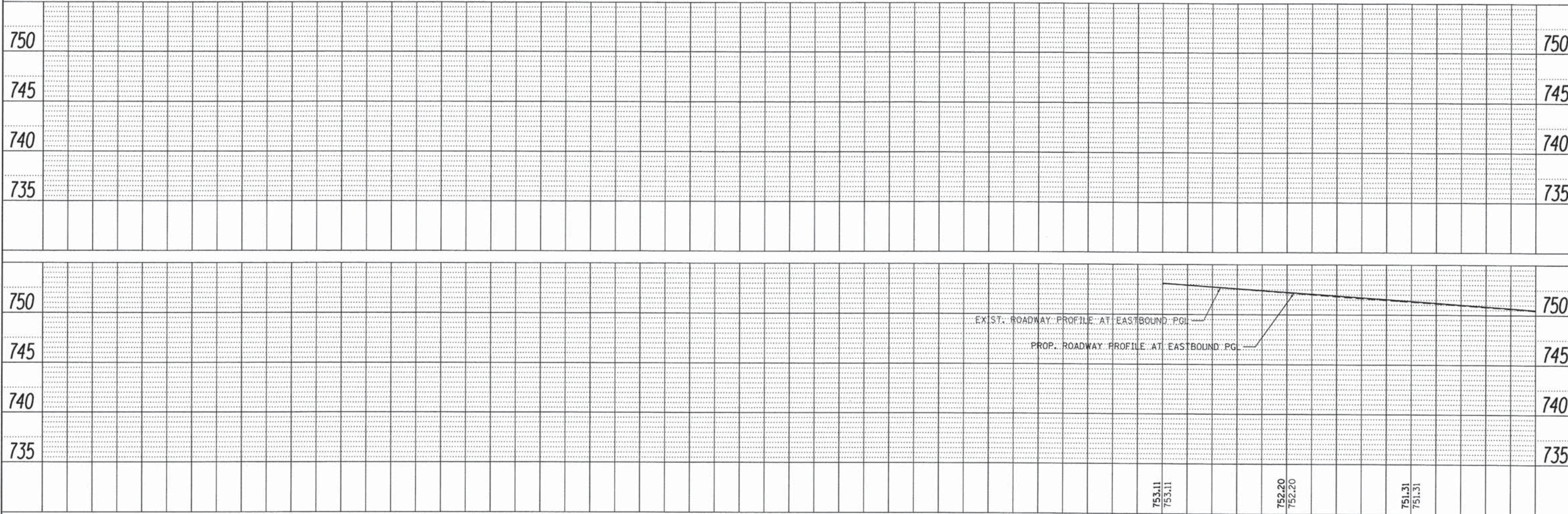
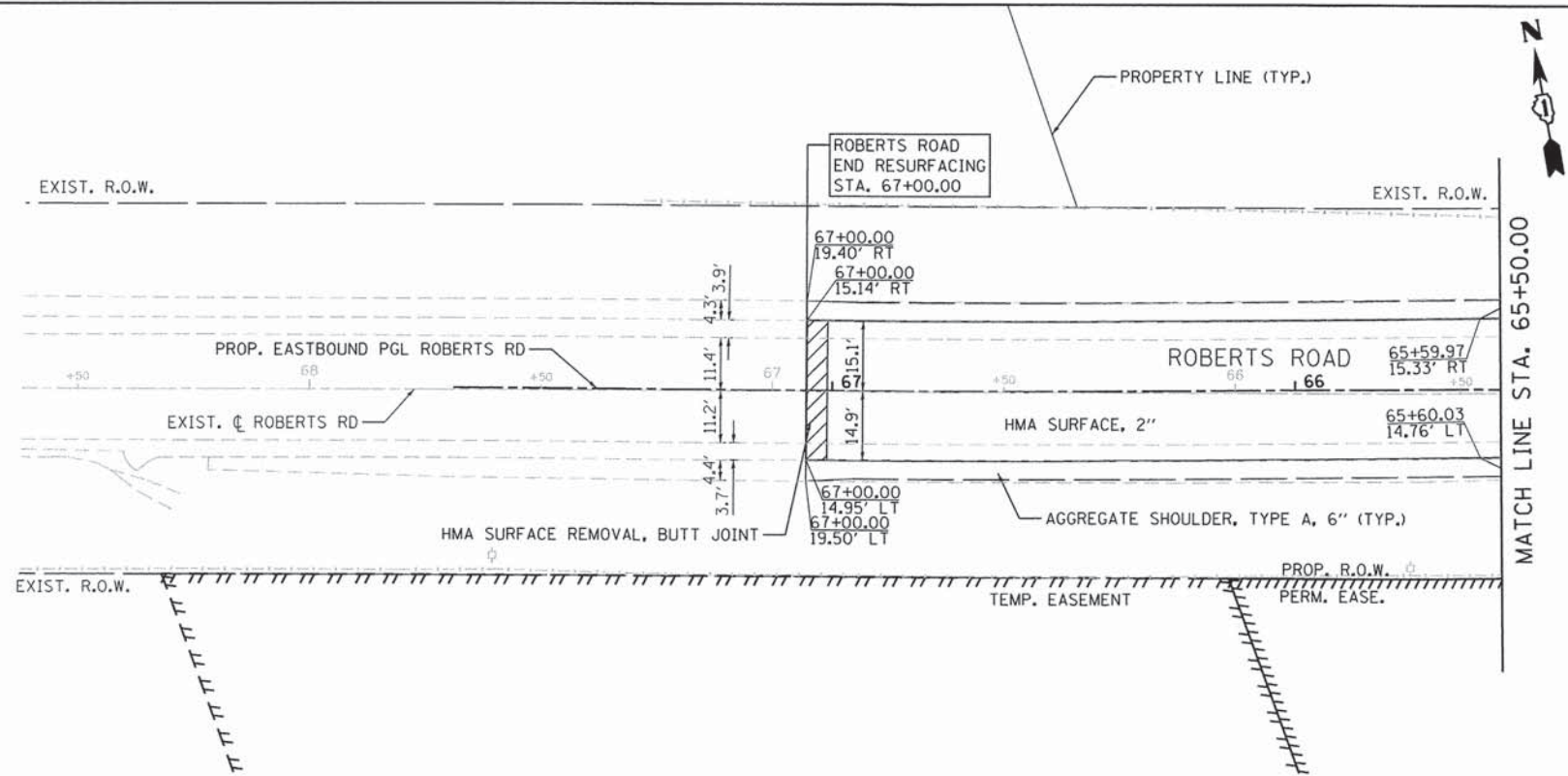
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	NOTE BOOK		
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	STRUCTURE NOTATIONS		

• SEE SHEET 39  
WEST LEG - ROBERTS ROAD

FAU 3704 CURVE EB_PGL-5							
SECTION	STATION	OUTSIDE EDGE	SLOPE %	WB PGL	EB PGL	SLOPE %	OUTSIDE EDGE
	60+00.0	743.34	1.00	743.14	742.99	-1.00	742.82
	60+25.0	743.25	0.85	743.08	742.99	-0.84	742.85
	60+50.0	743.14	0.32	743.08	743.07	-0.32	743.01
B	60+60.00	743.10	0.00	743.10	743.12	0.00	743.12
	60+75.0	743.03	-0.59	743.14	743.21	0.56	743.31
C	60+93.30	742.94	-1.50	743.22	743.37	1.43	743.62
	61+00.00	742.91	-1.88	743.26	743.43	1.79	743.75
	61+25.00	742.85	-3.23	743.43	743.72	3.13	744.29
D	61+27.60	742.85	-3.35	743.45	743.76	3.25	744.34
	61+50.00	742.92	-4.20	743.66	744.09	4.11	744.83
	61+75.00	743.07	-4.79	743.92	744.49	4.73	745.34
E	62+00.00	743.28	-5.00	744.18	744.89	5.00	745.79

MAXIMUM SUPERELEVATION



FILE NAME = F:\077-010 River Roberts Phase II\CADD\SHEETS\077-010-SHT\_PRF\_04.dgn



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROBERTS ROAD  
PLAN AND PROFILE**

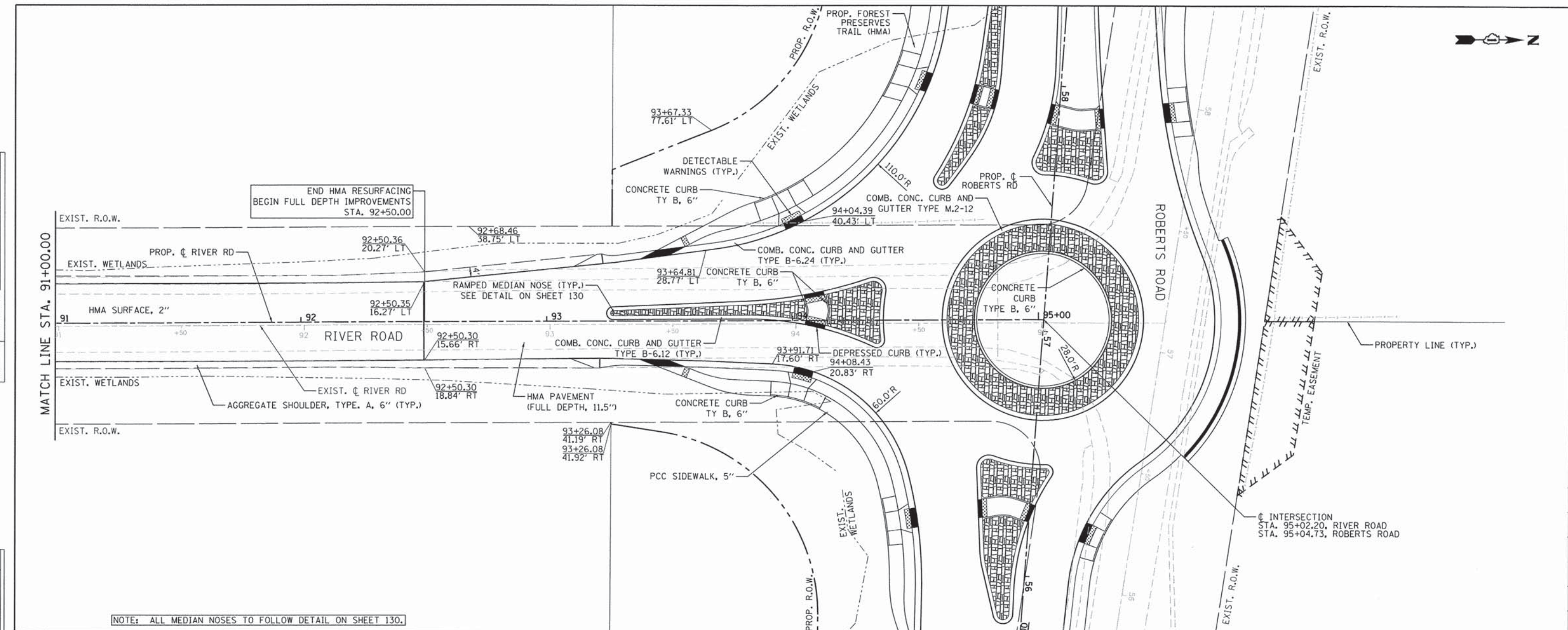
SCALE: 1"=20'      SHEET 40 OF 183 SHEETS      STA. 65+50.00 TO STA. 67+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	40
CONTRACT NO. 63875			ILLINOIS FED. AID PROJECT	

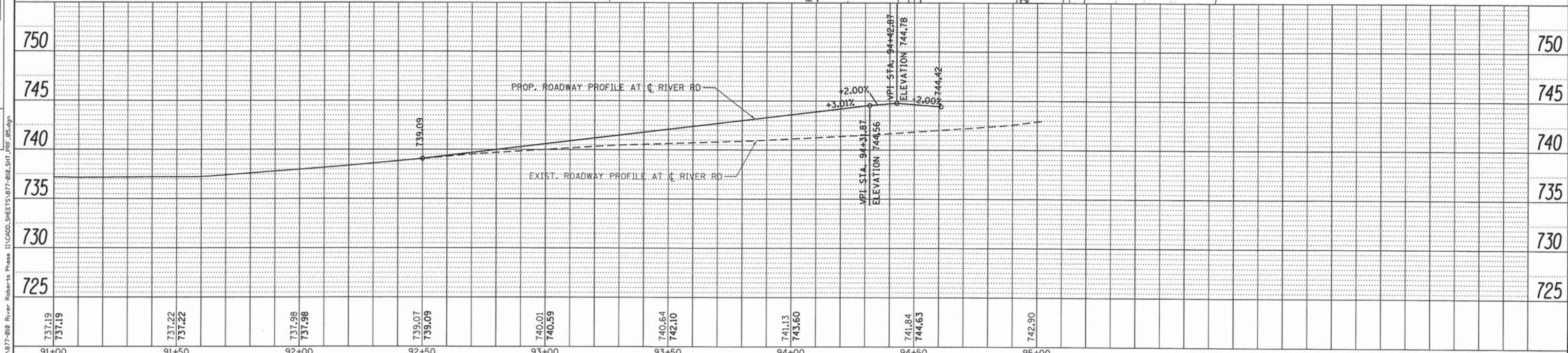


PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	CHECKED	
	BY	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	CHECKED	
	BY	
	FILE NAME	



NOTE: ALL MEDIAN NOSES TO FOLLOW DETAIL ON SHEET 130.



737.19	737.22	737.98	739.07	740.01	740.64	741.13	741.84	742.90
91+00	91+50	92+00	92+50	93+00	93+50	94+00	94+50	95+00

**Bollinger, Lach & Associates, Inc.**  
ITASCA, ILLINOIS

USER NAME = #USER#  
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DRAWN - GJE  
CHECKED - DDB  
DATE - 11/08/2013

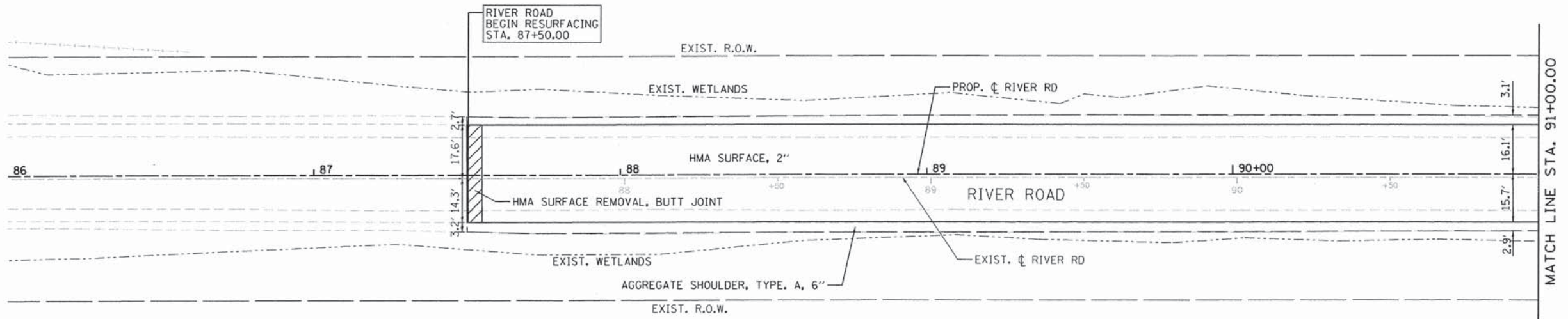
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD  
PLAN AND PROFILE**  
SCALE: 1"=20'  
SHEET 41 OF 183 SHEETS  
STA. 91+00.00 TO STA. 95+02.20

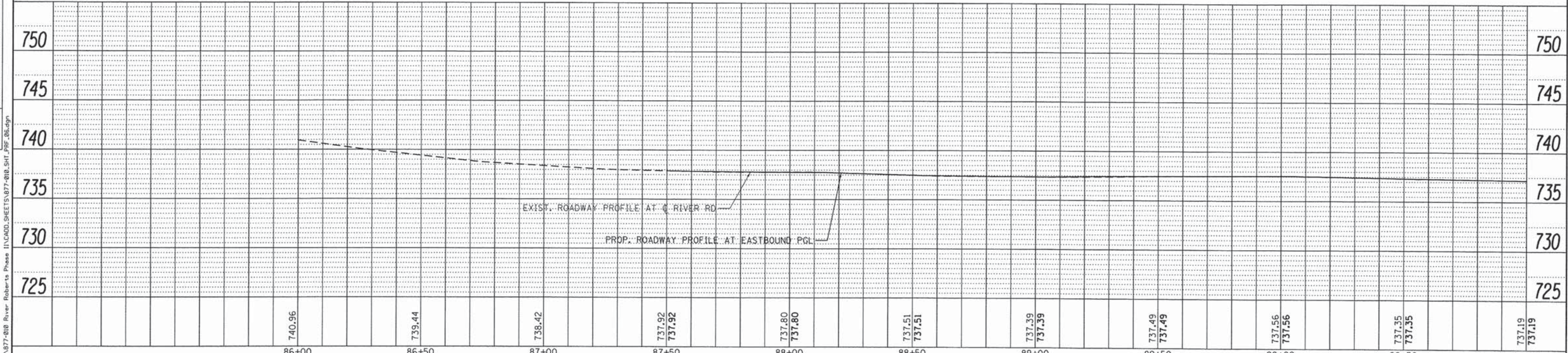
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	41
CONTRACT NO. 63875				

ILLINOIS FED. AID PROJECT



PLAN	SURVEYED	DATE
	ALIGNED	
	GRADES CHECKED	
	RT. OF WAY CHECKED	
	PROJ. FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	B.M. NOTED	
	STRUCTURE NOTATIONS OK'D	
	NO.	



740.96	739.44	738.42	737.92	737.92	737.80	737.80	737.51	737.51	737.39	737.39	737.49	737.49	737.56	737.56	737.35	737.35	737.19	737.19
86+00	86+50	87+00	87+50	88+00	88+50	89+00	89+50	90+00	90+50	91+00								

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USER NAME = #USER#	DESIGNED - GJE	REVISED -
PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/6/2013	CHECKED - DDB	REVISED -
	DATE - 11/08/2013	REVISED -

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

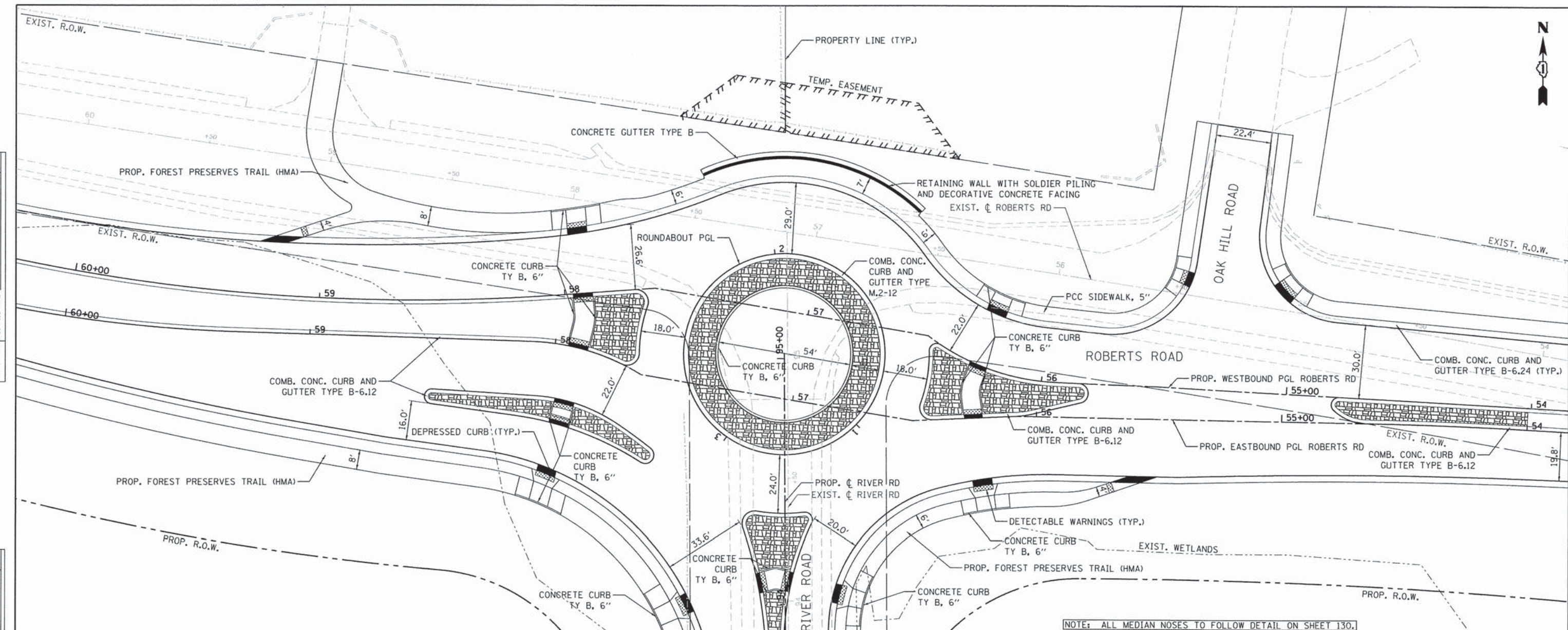
**RIVER ROAD**  
**PLAN AND PROFILE**  
SCALE: 1"=20' SHEET 42 OF 183 SHEETS STA. 87+50.00 TO STA. 91+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	42
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

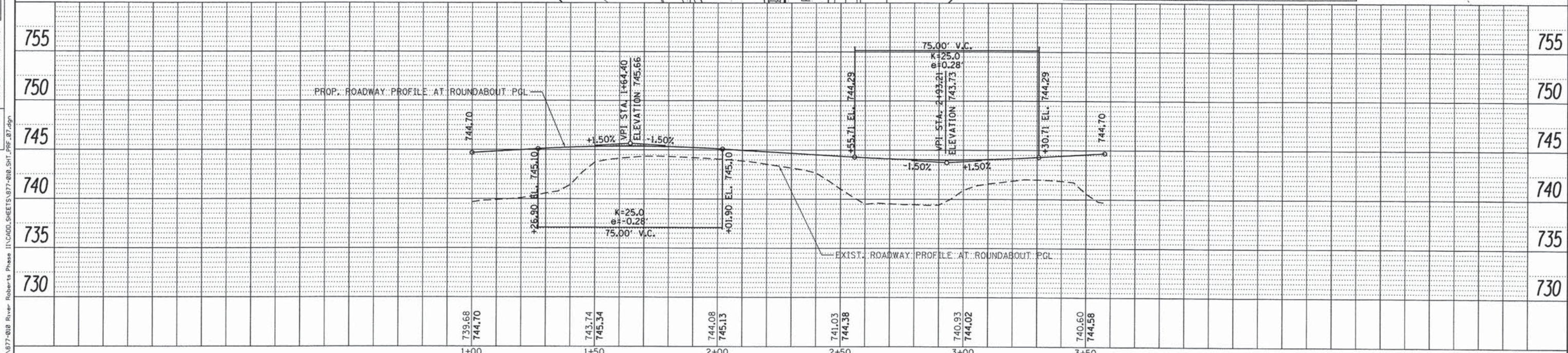
FILE NAME = F:\877-010 River Roberts Phase I\CAD\SHETS\877-010\_SHT\_PRF\_08.dgn

PLAN	SURVEYED	DATE
	BY	
	NO. OF WAY CHECKED	
	NO. OF WAY FILE NAME	
	NO.	

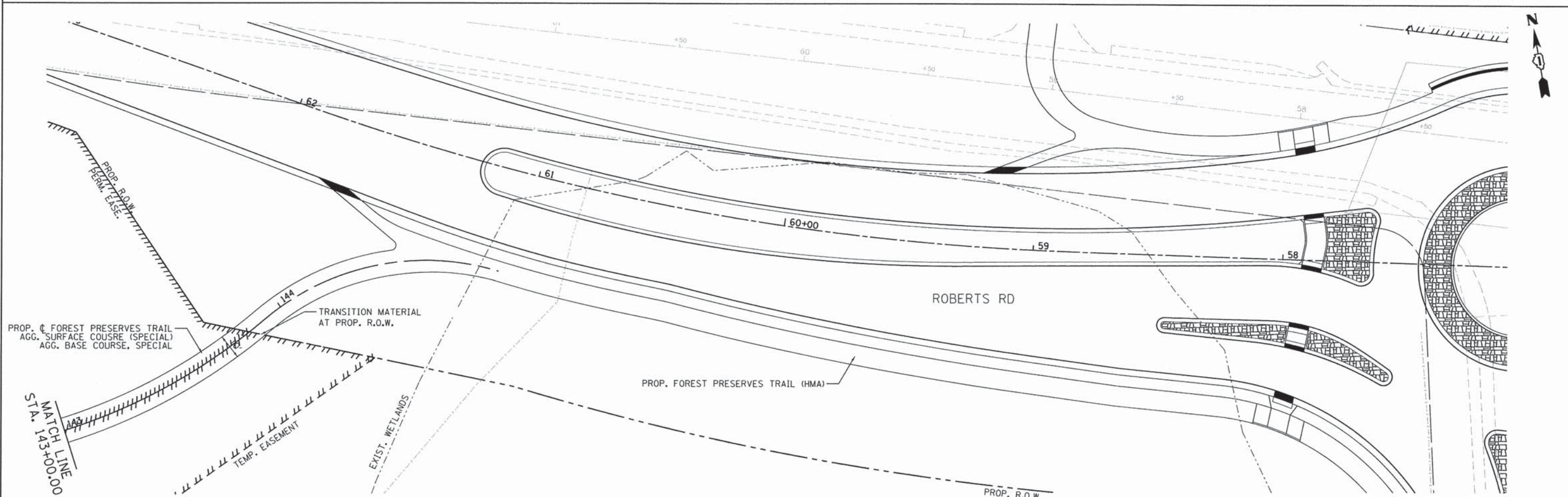
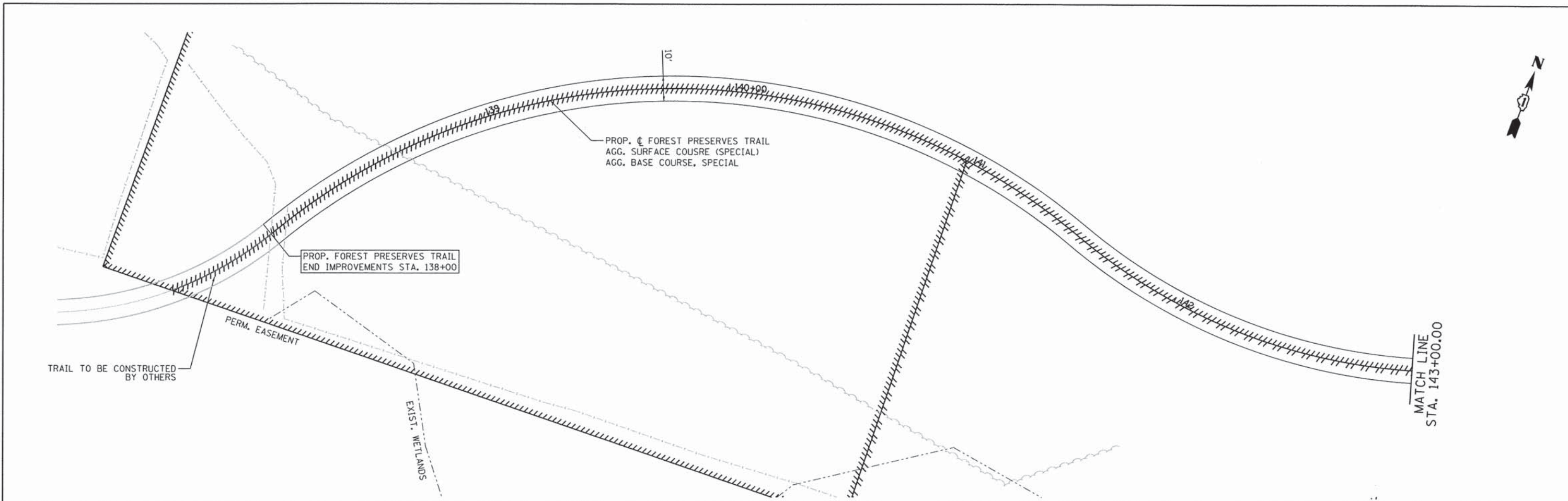
PROFILE	SURVEYED	DATE
	BY	
	NO. OF WAY CHECKED	
	NO. OF WAY FILE NAME	
	NO.	



NOTE: ALL MEDIAN NOSES TO FOLLOW DETAIL ON SHEET 130.



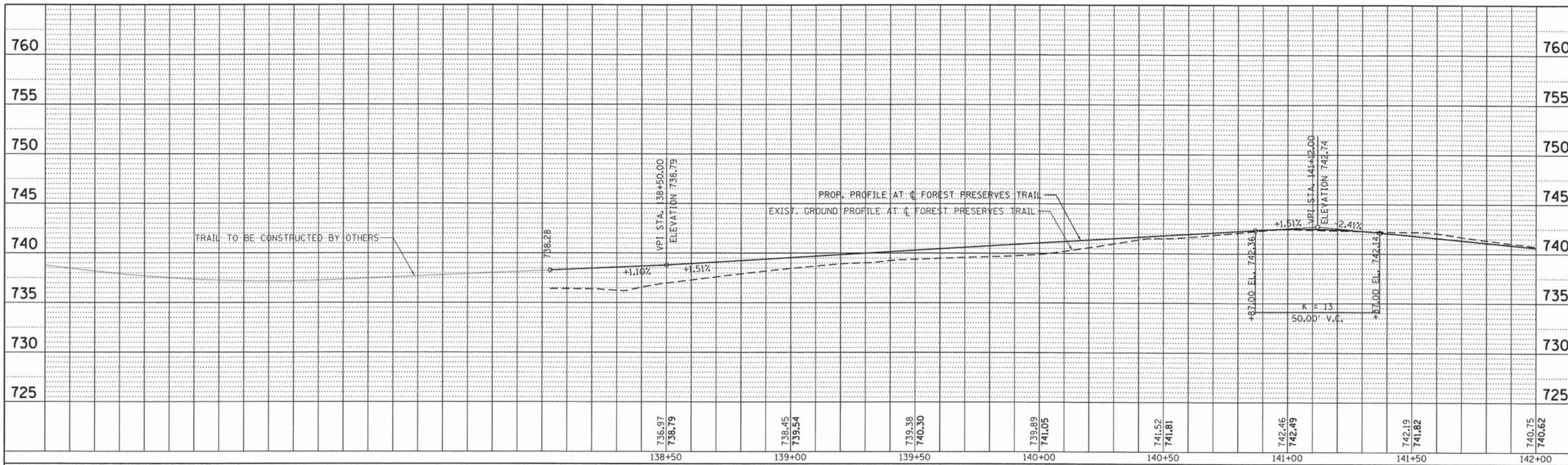
<b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ROUNDABOUT</b> <b>PLAN AND PROFILE</b>	F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 43
	PLOT SCALE = #SCALE#	CHECKED - DDB	REVISED -			SCALE: 1"=20'	SHEET 43 OF 183 SHEETS	STA. 1+00.00	TO STA. 3+57.61	CONTRACT NO. 63875
	PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -			ILLINOIS FED. AID PROJECT				



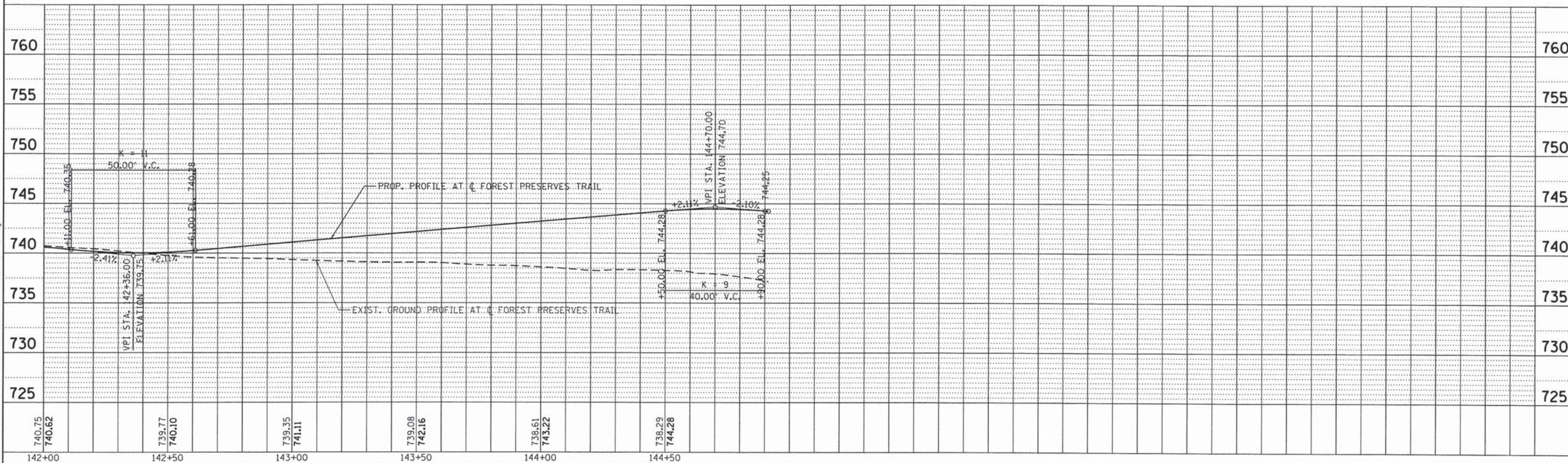
FILE NAME: F:\377-018 River Roberts Phase I\CAD\DWG\SHEETS\377-018-SHT\_PRF\_08.dwg

<p><b>Bolinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS</p>	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>FOREST PRESERVES TRAIL</b> <b>PLAN</b>		F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 44		
	PLOT SCALE = #SCALE#	CHECKED - DBB	REVISED -		SCALE: 1"=20'	SHEET 44 OF 183 SHEETS	STA. 138+00.00 TO STA. 144+91.42	CONTRACT NO. 63875					
	PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -		ILLINOIS FED. AID PROJECT								

PLAN	SURVEYED	BY	DATE
	PLANNED		
	NOTED		
	NOT CHECKED		
	BY		
	NO. OF WAY CHECKED		
	NO.		
	PAID FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLANNED		
	NOTED		
	NOT CHECKED		
	BY		
	NO. OF WAY CHECKED		
	NO.		
	STRUCTURE NOTATIONS CHKD		



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PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/6/2013	CHECKED - DDB	REVISED -
	DATE - 11/08/2013	REVISED -


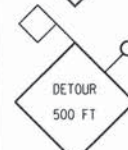









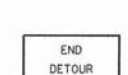

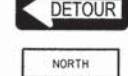
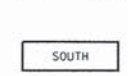

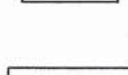
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FOREST PRESERVES TRAIL  
PROFILE**  
SCALE: 1"=20' SHEET 45 OF 184 SHEETS STA. 138+00.00 TO STA. 144+91.42

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	45
CONTRACT NO. 63875				

ILLINOIS FED. AID PROJECT

**SIGN LEGEND**

-  1. ADVANCED ROAD CLOSED SIGNS  
W20-3 48"x48"  
WITH AMBER FLASHING LIGHT
-  2. ADVANCE DETOUR SIGNS  
W20-2 36"x36"  
WITH AMBER FLASHING LIGHT
-  3. ADVANCE ROAD CLOSED SIGNS  
W20-3 48"x48"  
WITH FLASHING AMBER LIGHT
-  4. ADVANCE ROAD CLOSED SIGNS  
W20-3 48"x48"  
WITH FLASHING AMBER LIGHT
-  5. ADVANCE ROAD CLOSED SIGNS  
W20-3 48"x48"  
WITH FLASHING AMBER LIGHT
-  6. DETOUR ARROW SIGNS  
M4-9R 30"x24"
-  7. DETOUR ARROW SIGNS  
M4-9L 30"x24"
-  8. DETOUR ARROW SIGNS  
M4-9 30"x24"
-  9. DETOUR ARROW SIGNS  
M4-9R 30"x24"
-  10. DETOUR ARROW SIGNS  
M4-9L 30"x24"
-  11. END DETOUR SIGNS  
M4-8 24"x18"
-  12. DETOUR ARROW SIGN  
M4-10R 48"x18"  
MOUNTED ABOVE THE TOP  
OF TYPE III BARRICADE
-  12A. DETOUR ARROW SIGN  
M4-10L 48"x18"  
MOUNTED ABOVE THE TOP  
OF TYPE III BARRICADE
-  13. ASSEMBLY SIGN  
M3-1 24"x12"
-  14. ASSEMBLY SIGN  
M3-3 24"x12"
-  15. R11-2  
48"x30" MOUNTED ON  
TOP RAIL OF TYPE III  
BARRICADE
-  16. ROAD NAME SIGN  
48"x18"

ROAD CLOSED  
TO  
THRU TRAFFIC

ROAD CLOSED  
2 MILES AHEAD  
LOCAL TRAFFIC ONLY

17. R11-4  
60"x30" MOUNTED ON  
TOP RAIL OF TYPE III  
BARRICADE

18. R11-3 ROAD CLOSED 2 MILES  
AHEAD LOCAL TRAFFIC ONLY  
60"x36"

NORTHBOUND RIVER ROAD  
CLOSED TO TRAFFIC  
USE ILL. RTE 59

20. SPECIAL (O) 60"x30"

WESTBOUND ROBERTS ROAD  
CLOSED TO TRAFFIC  
USE ILL. RTE 176

21. SPECIAL (O) 60"x30"

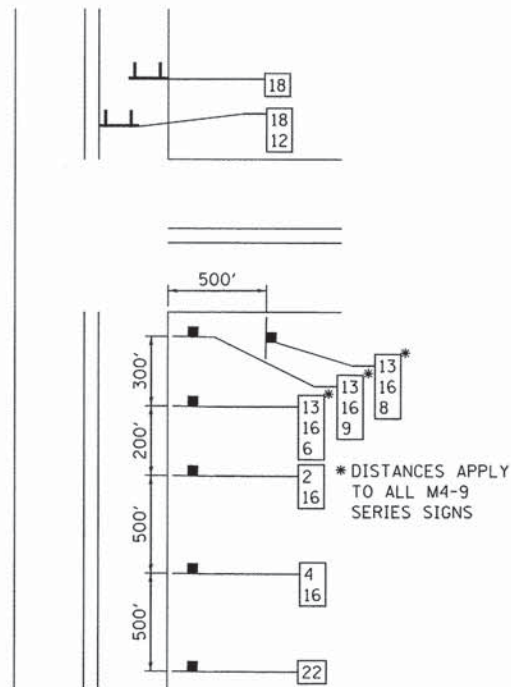
SOUTHBOUND RIVER ROAD  
CLOSED TO TRAFFIC  
USE KELSEY ROAD

19. SPECIAL (O) 60"x30"

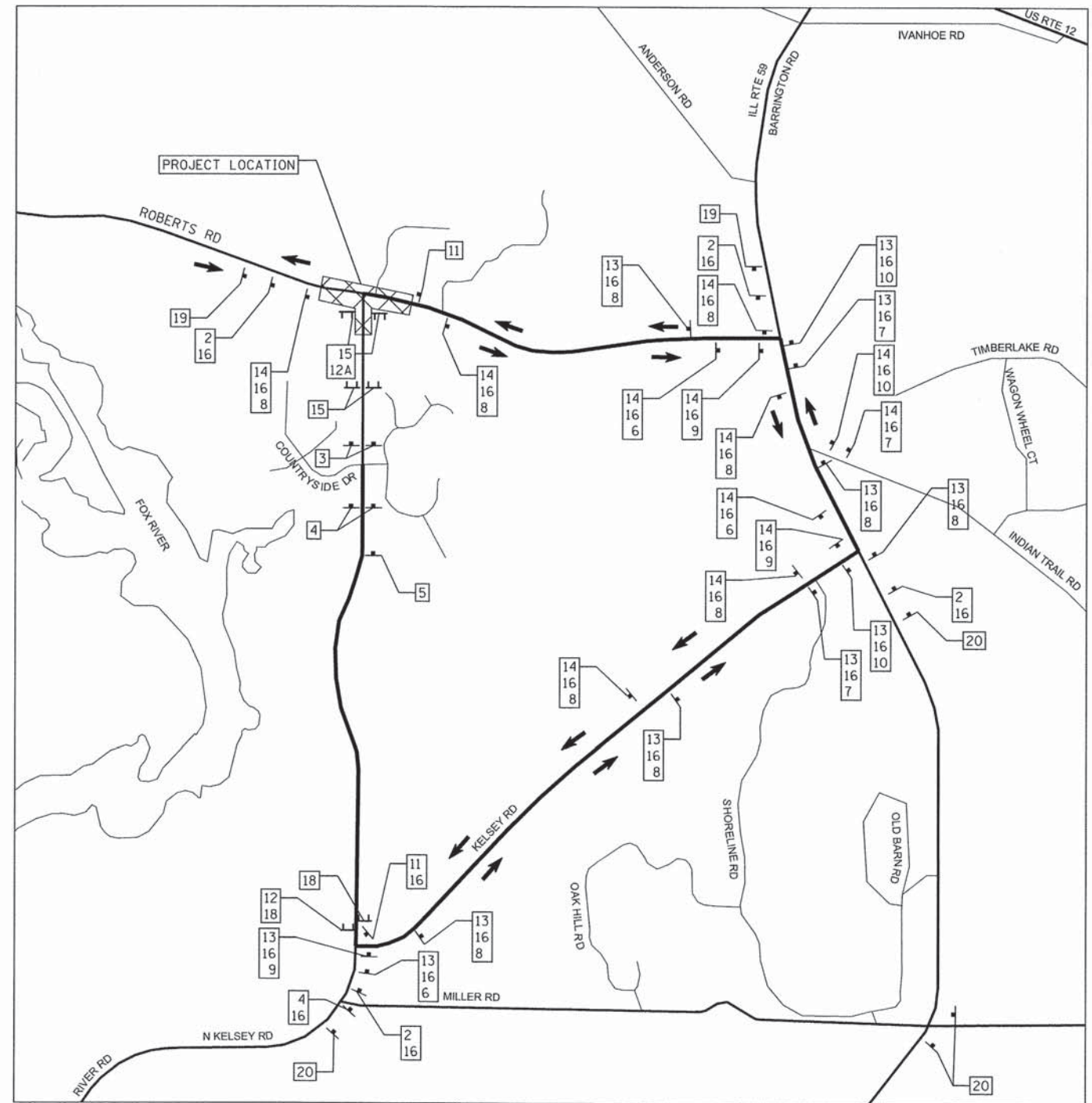
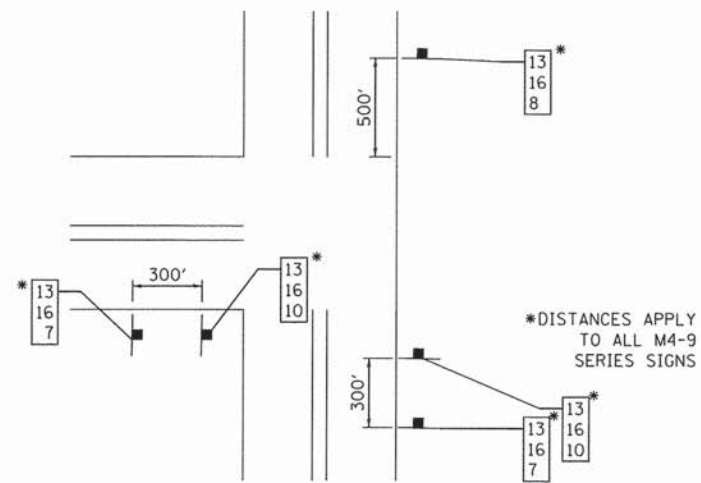
EASTBOUND ROBERTS ROAD  
CLOSED TO TRAFFIC  
USE ILL. RTE 176

22. SPECIAL (O) 60"x30"

**TYPICAL INTERSECTION AT  
POINT OF RIVER ROAD DETOUR**








**TYPICAL "T" INTERSECTION**



**TYPICAL DETOUR SIGN ASSEMBLY**



**LEGEND**

-  TYPE III BARRICADE WITH AMBER FLASHING LIGHTS
-  DETOUR SIGN
-  RIVER ROAD DETOUR ROUTE
-  DENOTES TWO (2) SIGN AND POST ASSEMBLIES
-  CONSTRUCTION WORK ZONE

FILE NAME = F:\877-010 River Roberts Phase I\CAD\01 SHEETS\877-010-SHT-DETOUR-01.dgn

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ITASC A, ILLINOIS

USER NAME = #USER#	DESIGNED - GJE	REVISED -
PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
STAGES I AND II DETOUR PLAN**

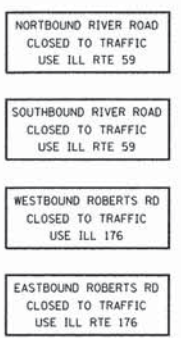
SCALE: 1"=1000" SHEET 46 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	46
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

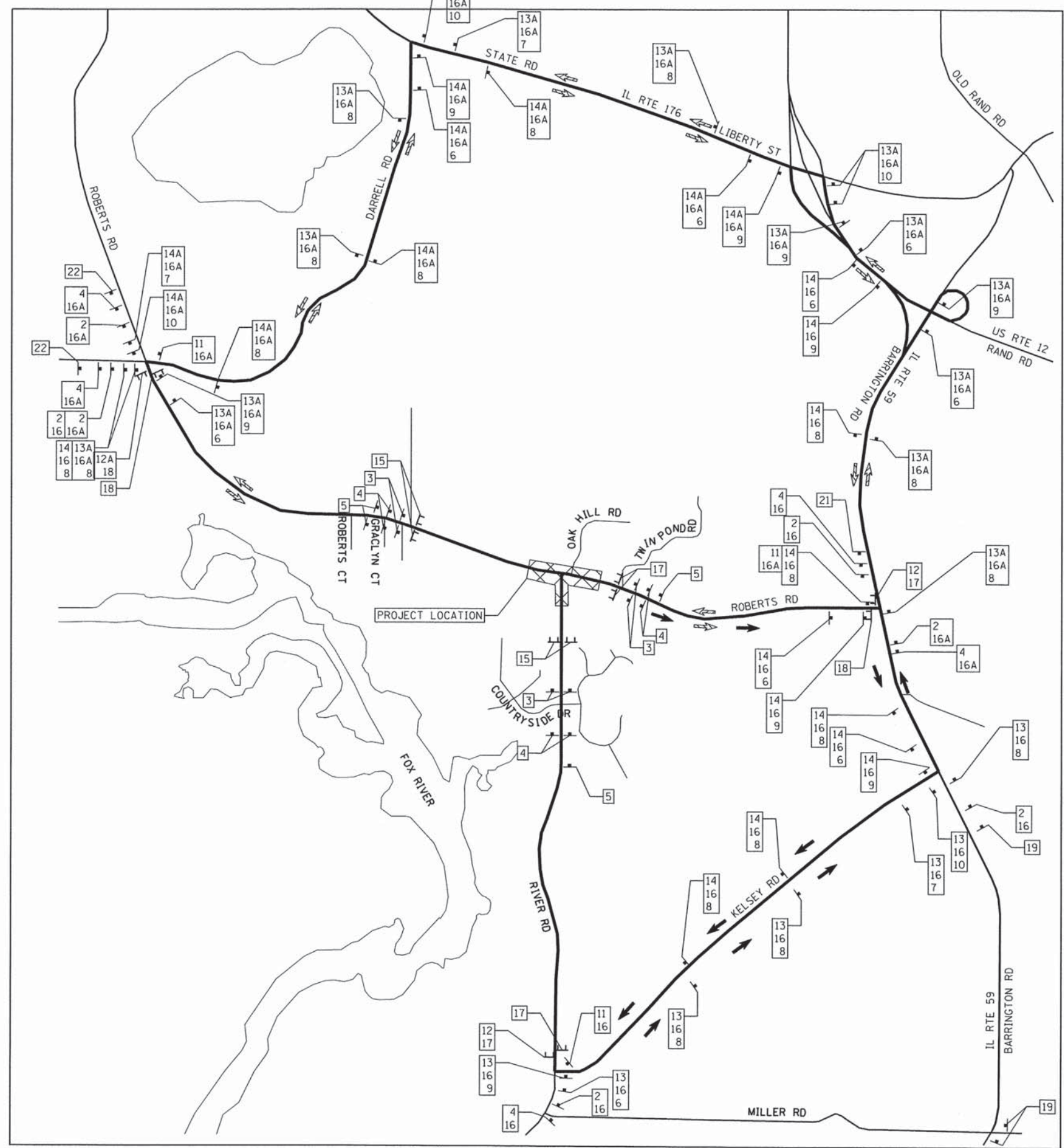
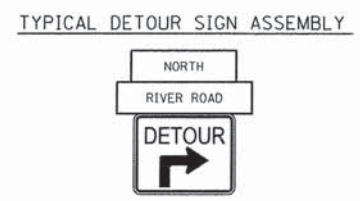
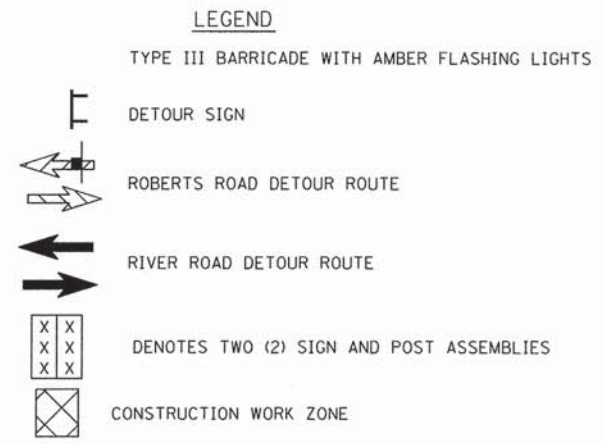
**SIGN LEGEND**

- 1. W20-3 48"x48" WITH AMBER FLASHING LIGHT
- 2. ADVANCE DETOUR SIGNS W20-2 36"x36" WITH AMBER FLASHING LIGHT
- 3. W20-3 48"x48" WITH FLASHING AMBER LIGHT
- 4. W20-3 48"x48" WITH FLASHING AMBER LIGHT
- 5. W20-3 48"x48" WITH FLASHING AMBER LIGHT

- 15. R11-2 48"x30" MOUNTED ON TOP RAIL OF TYPE III BARRICADE
- 16. ROAD NAME SIGN 48"x18"
- 16A. ROAD NAME SIGN 48"x18"
- 17. R11-4 60"x30" MOUNTED ON TOP RAIL OF TYPE III BARRICADE
- 18. R11-3 ROAD CLOSED 2 MILES AHEAD LOCAL TRAFFIC ONLY 60"x36"
- 19. SPECIAL (O) 60"x30"
- 20. SPECIAL (O) 60"x30"
- 21. SPECIAL (O) 60"x30"
- 22. SPECIAL (O) 60"x30"



- 6. DETOUR ARROW SIGNS M4-9R 30"x24"
- 7. DETOUR ARROW SIGNS M4-9L 30"x24"
- 8. DETOUR ARROW SIGNS M4-9 30"x24"
- 9. DETOUR ARROW SIGNS M4-9R 30"x24"
- 10. DETOUR ARROW SIGNS M4-9L 30"x24"
- 11. END DETOUR SIGNS M4-8 24"x18"
- 12. DETOUR ARROW SIGN M4-10R 48"x18" MOUNTED ABOVE THE TOP OF TYPE III BARRICADE
- 12A. DETOUR ARROW SIGN M4-10L 48"x18" MOUNTED ABOVE THE TOP OF TYPE III BARRICADE
- 13. ASSEMBLY SIGN M3-1 24"x12"
- 13A. ASSEMBLY SIGN M3-4 24"x12"
- 14. ASSEMBLY SIGN M3-3 24"x12"
- 14A. ASSEMBLY SIGN M3-2 24"x12"



FILE NAME = F:\877-010 River Roberts Phase I\CAD\001 SHEETS\877-010\_SHT\_DETOUR\_02.dgn

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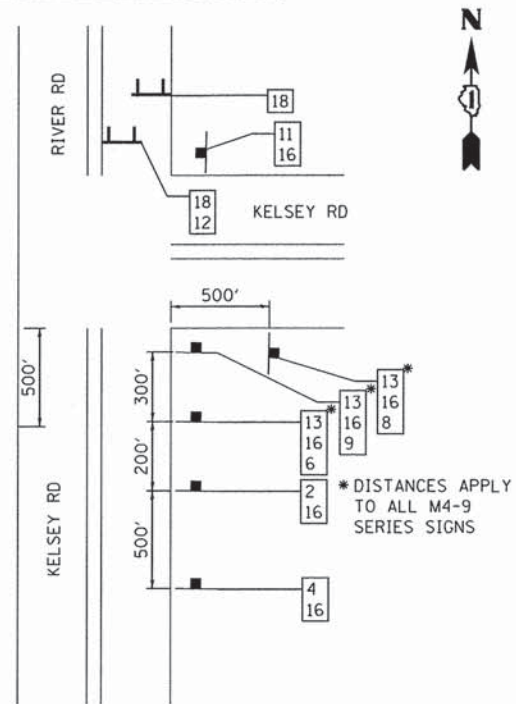
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
STAGE III DETOUR PLAN**

SCALE: 1"=1000" SHEET 47 OF 183 SHEETS STA. TO STA.

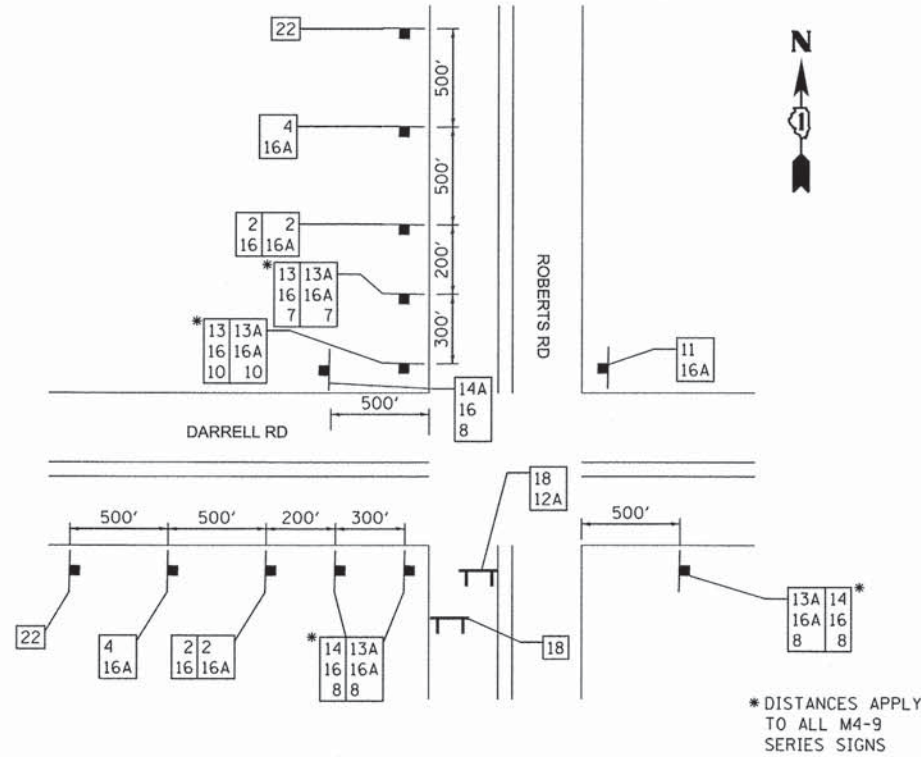
F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 47
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

KELSEY ROAD INTERSECTION AT POINT OF RIVER ROAD DETOUR



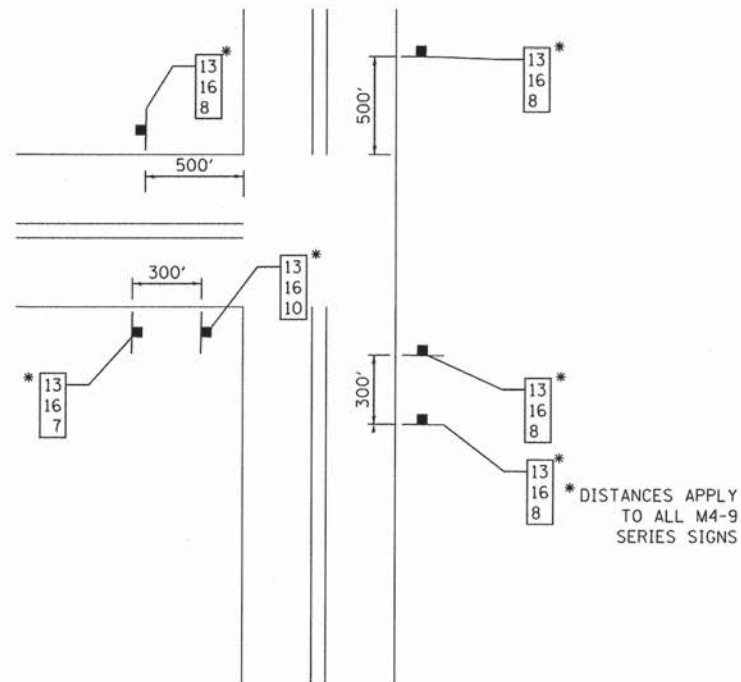
\*DISTANCES APPLY TO ALL M4-9 SERIES SIGNS

DARRELL ROAD INTERSECTION AT POINT OF RIVER ROAD DETOUR



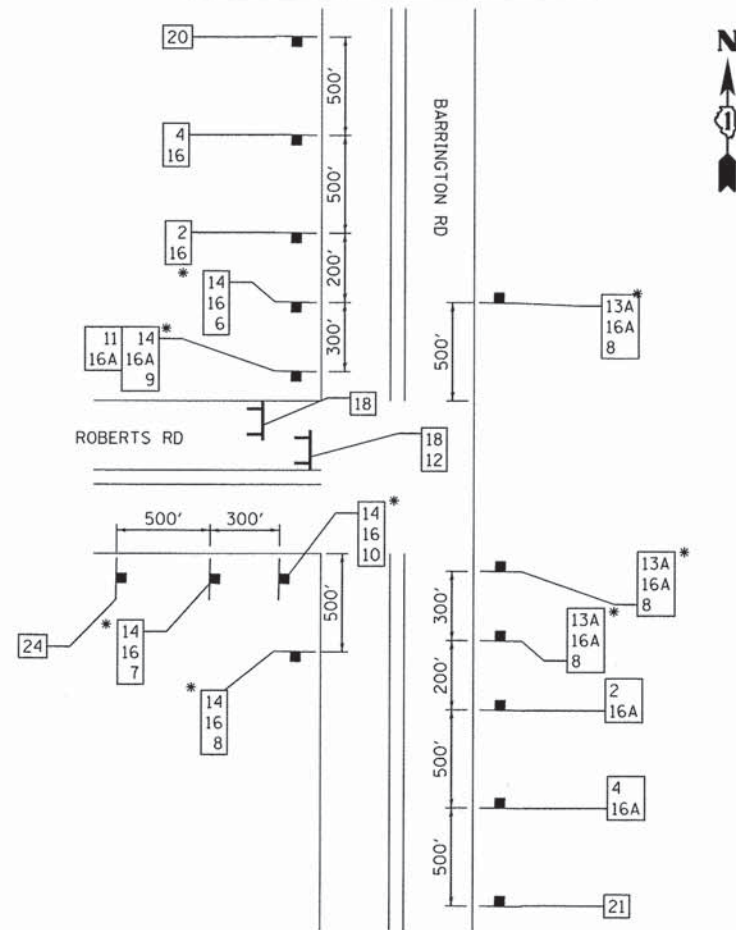
\*DISTANCES APPLY TO ALL M4-9 SERIES SIGNS

TYPICAL "T" INTERSECTION



\*DISTANCES APPLY TO ALL M4-9 SERIES SIGNS

ILL. RTE 59 AT ROBERTS ROAD



TYPICAL DETOUR SIGN ASSEMBLY



FILE NAME = F:\877-018 River Roberts Phase I\CAD\DRSHEETS\877-018-SHT\_DETDR-02.dgn

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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
STAGE III DETOUR DETAILS**

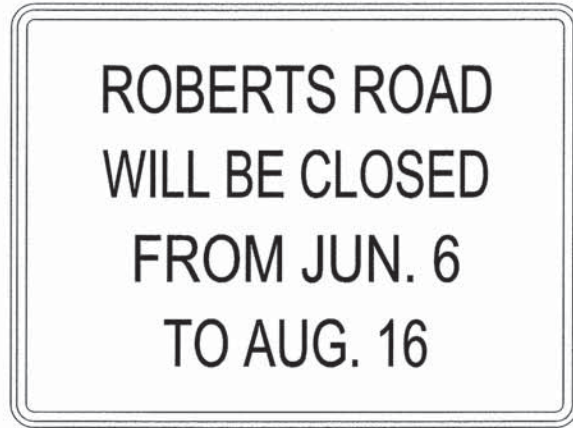
SCALE: NTS SHEET 48 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	48
CONTRACT NO. 63875				

ILLINOIS FED. AID PROJECT

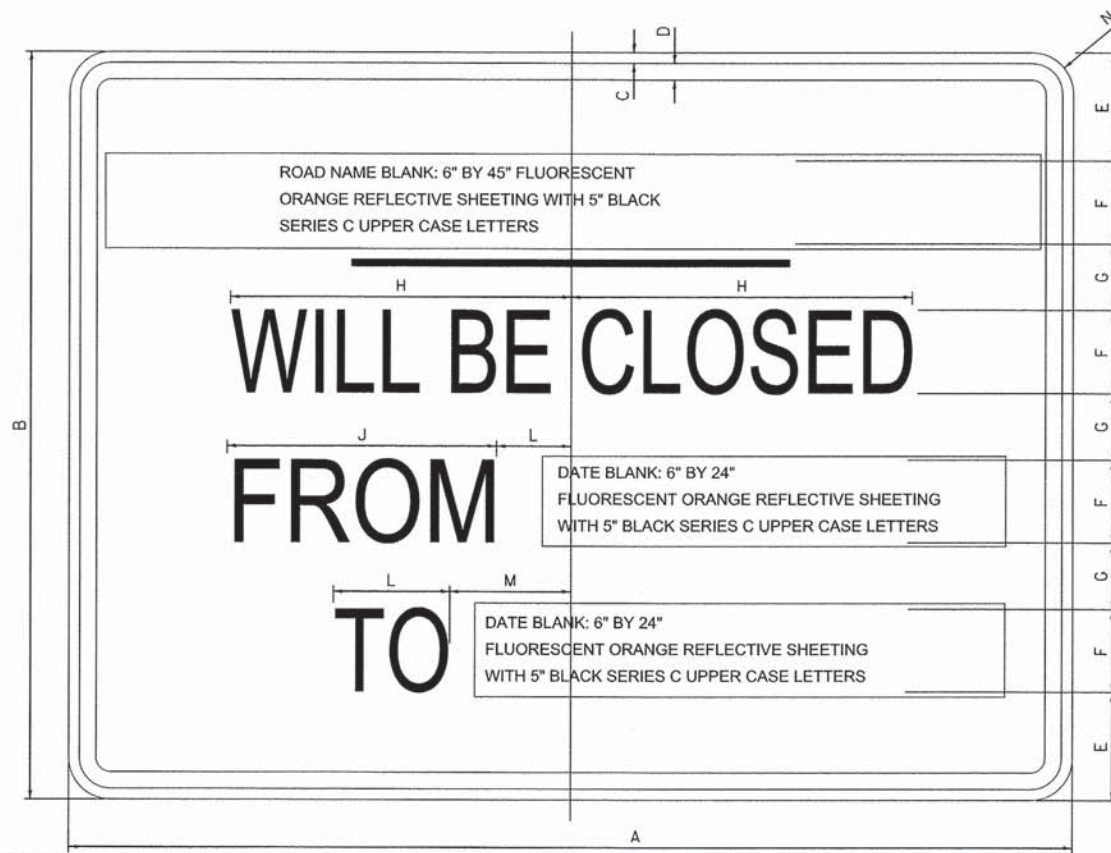


NUMBER OF SIGNS



\*\*DATE SHOWN IS FOR EXAMPLE ONLY

NUMBER OF SIGNS



DIMENSIONS (ENGLISH)													
	A	B	C	D	E	F	G	H	J	K	L	M	N
STD.	48	36	5/8	7/8	4 1/8	5	2 5/8	9 3/4	12	5 1/2	5 1/2	8 1/2	2 1/4

NOTE:  
SIGN SHEETING SHALL BE FLUORESCENT ORANGE WITH 5" BLACK SERIES C LETTERS.

LOCATION OF PRE-DETOUR INFORMATION SIGNS BY INTERSECTION

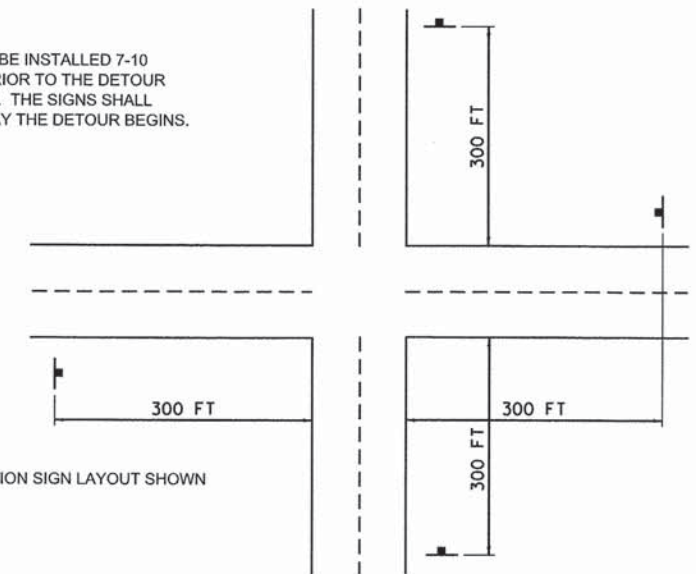
STAGE I-III (RIVER ROAD)

- S.B. ROBERTS ROAD APPROACHING DARRELL ROAD
- S.B. ROBERTS ROAD, SOUTH OF DARRELL ROAD
- E.B. DARRELL ROAD APPROACHING ROBERTS ROAD
- W.B. DARRELL ROAD APPROACHING ROBERTS ROAD
- N.B. IL 59 APPROACHING ROBERTS ROAD
- S.B. IL 59 APPROACHING ROBERTS ROAD
- W.B. ROBERTS ROAD, WEST OF IL 59
- N.B. RIVER ROAD APPROACHING KELSEY ROAD
- N.B. RIVER ROAD, NORTH OF KELSEY ROAD

STAGE III (ROBERTS ROAD)

- E.B. US 12 APPROACHING IL 59
- W.B. US 12 APPROACHING IL 59
- S.B. IL 59 APPROACHING US 12
- S.B. IL 59, SOUTH OF US 12
- S.B. ROBERTS ROAD APPROACHING DARRELL ROAD
- S.B. ROBERTS ROAD, SOUTH OF DARRELL ROAD
- E.B. DARRELL ROAD APPROACHING ROBERTS ROAD
- W.B. DARRELL ROAD APPROACHING ROBERTS ROAD
- N.B. IL 59 APPROACHING KELSEY ROAD
- N.B. IL 59, NORTH OF KELSEY ROAD
- E.B. KELSEY ROAD APPROACHING IL 59
- N.B. RIVER ROAD APPROACHING KELSEY ROAD
- N.B. RIVER ROAD, NORTH OF KELSEY ROAD

NOTE:  
THESE SIGNS SHALL BE INSTALLED 7-10 CALENDER DAYS PRIOR TO THE DETOUR AND ROAD CLOSURE. THE SIGNS SHALL BE REMOVED THE DAY THE DETOUR BEGINS.



PRE-DETOUR INFORMATION SIGN LAYOUT SHOWN IS FOR THE

DETOUR GENERAL NOTES

- ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JAN. 1, 2012". ILLINOIS "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JAN. 1, 2014 AND "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 2010". THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION (LC-T-SECTION 700) AND THE L.C.D.O.T. DETOUR PROCEDURES AND GUIDELINES.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF THE WORK. THE LAKE COUNTY DIVISION OF TRANSPORTATION REPRESENTATIVE FOR THIS DETOUR IS:  
  
CHUCK GLEASON  
PROJECT MANAGER  
847-377-7447
- IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT THE ENGINEER WILL FIELD LOCATE ALL THE POSITIONS OF ANY SIGNS.
- LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS, WITH THE APPROVAL OF THE ENGINEER.
- THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.

DETOUR GENERAL NOTES - CONTINUED

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
- THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLANS IS THE MINIMUM NECESSARY TO ENSURE THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT IS DEEMED NECESSARY BY THE ENGINEER. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
- ALL DETOUR SIGNING SHALL BE POST MOUNTED IF THE ROAD CLOSURE IS TO EXCEED FOUR (4) CALENDER DAYS.
- ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF SECTION 1091 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE IN NEW OR LIKE NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE TO THE CONDITION OF THE SIGNS.
- THE SIZES OF ALL SIGNS NOT SPECIFIED IN THE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1106.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- WHEN REQUIRED THE MINIMUM DIMENSIONS OF THE ORANGE WARNING FLAGS SHOWN IN THESE PLANS ARE 18"x18".
- ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THE THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.

DETOUR GENERAL NOTES - CONTINUED

- THE "ROAD CLOSED" (R11-2), THE "ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY" (R11-3) AND THE "ROAD CLOSED TO THRU TRAFFIC" (R11-4) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (2) AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.
- THE ROAD NAME SIGNS SHALL HAVE A BLACK LEGEND ON THE FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE 9" X VARIABLE OR 12" X VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTER SHALL BE 6" WITH 5" LOWER CASE.
- DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL THE TRAFFIC THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
- CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT ARTICLE 701.04 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGATION IF DEEMED NECESSARY BY THE ENGINEER.
- THE FOLLOWING ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD IS APPLICABLE FOR THIS WORK: STANDARD 701901.
- THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- THE CHARGE FOR TRAFFIC CONTROL AND PROTECTION DEFICIENCY IS SPECIFIED IN THE SPECIAL PROVISIONS.
- THE INTERSECTION WILL ONLY BE ALLOWED TO BE OPEN TO TRAFFIC IF THE SURFACE COURSE, PERMANENT PAVEMENT MARKINGS, SIGNAGE, AND LIGHTING ARE COMPLETE AND FULLY OPERATIONAL. ITEMS BEING CONSTRUCTED OUTSIDE THE BACK OF CURB MAY CONTINUE AFTER THE ROAD HAS BEEN OPEN TO TRAFFIC, INCLUDING LANDSCAPING.

FILE NAME = F:\877-010 River Roberts Phase I\CAD\DWG\1877-010-SHT\_DET.DWG



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIVER ROAD AT ROBERTS ROAD  
DETOUR GENERAL NOTES

SCALE: NTS SHEET 49 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	49
CONTRACT NO. 63875				

ILLINOIS FED. AID PROJECT

**STAGE CONSTRUCTION GENERAL NOTES**

ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT.

A MINIMUM OF ONE LANE (11 FEET) IN EACH DIRECTION OF RIVER ROAD AND ALL SHOWN TURN LANES SHALL BE KEPT OPEN TO THROUGH TRAFFIC AT ALL TIMES EXCEPT AS NOTED IN PLANS. ANY LANE CLOSURES MUST BE APPROVED BY THE ENGINEER.

TAPER LENGTH FOR TRAFFIC CONTROL DEVICES IS DEFINED BY:

$$L = \frac{W \times S^2}{60}$$

WHERE EQUATION IS FOR SPEED LIMIT OF 45 MPH OR LESS. THE TERMS ARE DEFINED AS FOLLOWS:

L = TAPER LENGTH IN FEET  
W = WIDTH OF OFFSET IN FEET  
S = POSTED SPEED IN MPH.

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE INFORMATIONAL SIGNS ON TEMPORARY SUPPORTS FOR EACH ENTRANCE IN CONSTRUCTION AREA. THESE SIGNS SHALL BE WHITE ON GREEN IN ACCORDANCE WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES. ALSO, "CAUTION NEW LANES OPEN STOP HERE" SIGNS WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE AT THE APPROPRIATE LOCATIONS. THIS WORK WILL BE PAID FOR UNDER THE CONTRACT WORK FOR TEMPORARY INFORMATION SIGNING.

**TRAFFIC CONTROL AND PROTECTION**

TYPE II BARRICADES WHEN USED FOR APPROACH TAPERS, AS INDICATED ON THE STATE STANDARDS OR SHOWN ON THE PLANS SHALL BE DIRECTION INDICATOR BARRICADES. THE CONTRACTORS BID PRICES FOR TRAFFIC CONTROL ITEMS SHALL INCLUDE THE COST OF THESE BARRICADES.

TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN AND SECTION 701 OF THE STANDARD SPECIFICATIONS AS AMENDED BY THE SPECIAL PROVISION FOR CONSTRUCTION ZONE TRAFFIC CONTROL (CHECK SHEET LRS 3).

LONG-TERM (STAGED) LANE CLOSURES WILL NOT BE ALLOWED PRIOR TO (DATE TO BE DETERMINED). DAILY LANE CLOSURES WILL BE ALLOWED WHEN SNOW REMOVAL OPERATIONS WILL NOT BE EFFECTED.

THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.

EXISTING TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REMOVED BY THE LAKE COUNTY DIVISION OF TRANSPORTATION AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE AT THIS TIME ARE TO BE RELOCATED, MAINTAINED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR AND ANY DAMAGED OR LOST SIGNS WILL BE REPLACED BY THE CONTRACTOR.

TYPE II BARRICADES, DRUMS, OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS SHALL BE REQUIRED ALONG TEMPORARY ROADS, DETOURS, AND SIDE STREETS TO DELINEATE THE TRAVELED WAY WITHIN THE CONSTRUCTION ZONE. THE MAXIMUM SPACING FOR THESE DEVICES SHALL BE 100 FEET CENTER TO CENTER.

ANY DROP OFF GREATER THAN THREE (3) INCHES WITHIN SIXTEEN (16) FEET OF A TRAVEL LANE SHALL BE PROTECTED BY TYPE II BARRICADES, DRUMS OR VERTICAL PANELS WITH MONODIRECTIONAL STEADY-BURN LIGHTS AT 50 FOOT (MAXIMUM) CENTER TO CENTER SPACING. IF THE DROP OFF IS GREATER THAN TWENTY-FOUR (24) INCHES AND EXISTS FOR LONGER THAN 24 HOURS, IT SHALL BE PROTECTED BY TEMPORARY CONCRETE BARRIER. TEMPORARY CONCRETE BARRIER SHALL HAVE MONODIRECTIONAL STEADY-BURN LIGHTS AT 50 FOOT (MAXIMUM) CENTER TO CENTER SPACING. THE CONTRACTOR SHALL SCHEDULE HIS WORK AND OPERATIONS SUCH THAT A DROP OFF OF GREATER THAN 24 INCHES DOES NOT REMAIN WITHIN SIXTEEN FEET OF A TRAVEL LANE FOR MORE THAN 24 HOURS. THE CONTRACTOR MAY PLACE COMPACTED EXCAVATED MATERIAL, AGGREGATE, OR OTHER MATERIAL IN THE DROP OFF TO SATISFY THIS REQUIREMENT. THE PLANS INDICATE AREAS (IF ANY) IN WHICH THE DEPARTMENT EXPECTS THAT TEMPORARY CONCRETE BARRIER WILL BE REQUIRED FOR A DROP OFF OF GREATER THAN 24 INCHES TO REMAIN FOR MORE THAN 24 HOURS. THE FURNISHING, PLACING, AND REMOVAL OF MATERIAL, OR ANY TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS, NOT SHOWN ON THE PLANS BUT REQUIRED IN ORDER TO MEET THESE REQUIREMENTS, SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.

TYPE II BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.

TYPE II AND/OR III BARRICADES WITH TWO-WAY FLASHING LIGHTS WILL BE REQUIRED TO GUIDE TRAFFIC AWAY FROM PAVEMENT AREAS CLOSED FOR CONSTRUCTION.

THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, WARNING LIGHTS, AND SIGNS WILL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, SPECIAL.

WHERE REQUIRED, TRAFFIC SIGNS SHALL BE RELOCATED FOR EACH STAGE OF CONSTRUCTION.

ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ANY LANE CLOSURES.

**SIGN LEGEND**

1 ROAD WORK AHEAD (48 IN x 48 IN)  
2 PHOTO ENFORCED (36 IN x 18 IN)  
3 STOP (30 IN x 30 IN)  
4 SPEED LIMIT 35 (48 IN x 24 IN)  
5 END WORK ZONE SPEED LIMIT (60 IN x 36 IN)  
6 SPEED LIMIT 35 (30 IN x 30 IN)  
7 ONLY (24 IN x 24 IN)  
8 ROAD WORK 1 MILE (36 IN x 36 IN)  
9 ROAD CLOSED (48 IN x 30 IN)  
10 ROAD CLOSED TO THRU TRAFFIC (24 IN x 24 IN)  
11 ROAD CLOSED TO THRU TRAFFIC (24 IN x 24 IN)  
12 ONE WAY (36 IN x 12 IN)  
13 \$375 FINE MINIMUM (48 IN x 30 IN)  
14 WORK ZONE (24 IN x 36 IN)  
15 ROAD CLOSED TO THRU TRAFFIC (60 IN x 30 IN)  
16 M6-1 (21 IN x 15 IN)

**CONSTRUCTION STAGING**

THE FOLLOWING IS THE CONSTRUCTION STAGING FOR THE PROJECT. THE PURPOSE OF THIS STAGING IS TO MINIMIZE DELAYS TO THE MOTORIST. THE CONTRACTOR MAY ALTER THE SEQUENCE OF CONSTRUCTION WITH THE PRIOR APPROVAL OF THE ENGINEER. PRIOR TO THE START OF CONSTRUCTION, REQUIRED TRAFFIC CONTROL DEVICES SHALL BE IN PLACE. SUBSTAGE SIDE ROADS AND ENTRANCES TO MAINTAIN TRAFFIC FLOW.

**STAGE 1A**

INSTALL ALL TRAFFIC CONTROL AND CLOSE RIVER ROAD  
INSTALL EROSION CONTROL NECESSARY FOR STAGE 1  
INSTALL STAGE 1 TEMPORARY SOIL RETENTION SYSTEM  
REMOVE EXISTING RIVER ROAD  
EXCAVATE AND INSTALL STAGE 1 SOIL STABILIZATION FOR PROPOSED ROADWAY BACKFILL

**STAGE 1**

INSTALL STORM SEWER TO EDGE OF STAGE 1 WORK ZONE  
CONSTRUCT STAGE 1 SUBBASE, PAVEMENT, CURB & GUTTER, SIDEWALK, FOREST PRESERVES TRAIL AND GRADING  
PLACE TOPSOIL AND COMPLETE STAGE 1 LANDSCAPING  
INSTALL TEMPORARY PAVEMENT FOR STAGE 2

**STAGE 2**

RIVER ROAD TO REMAIN CLOSED DURING STAGE 2  
INSTALL ALL TRAFFIC CONTROL FOR STAGE 2  
INSTALL ALL NECESSARY EROSION CONTROL FOR STAGE 2  
REMOVE STAGE 1/1A TEMPORARY SOIL RETENTION SYSTEM (IF NECESSARY)  
SHIFT TRAFFIC INTO STAGE 2 TRAFFIC PATTERN  
REMOVE EXISTING CURB & GUTTER, PAVEMENT, SIDEWALKS AND SHOULDER  
INSTALL STAGE 2 SOIL STABILIZATION FOR PROPOSED ROADWAY  
CONSTRUCT STORM SEWER TO STAGE 1 WORK.  
CONSTRUCT STAGE 2 SUBBASE, PAVEMENT, CURB & GUTTER, SIDEWALK, FOREST PRESERVES TRAIL AND GRADING  
REMOVE STAGE 2 EMPORARY SOIL RETENTION SYSTEM TO SUBGRADE  
PLACE TOPSOIL AND COMPLETE STAGE 2 LANDSCAPING

**STAGE 3**

CLOSE ROBERTS ROAD  
RIVER ROAD TO REMAIN CLOSED  
INSTALL REMAINING STORM SEWER  
CONSTRUCT SPLITTER ISLANDS AND CENTER ISLAND  
PLACE FINAL SURFACE COURSE, PERMANENT PAVEMENT MARKINGS, SIGNAGE, LIGHTING  
REOPEN RIVER ROAD AND ROBERTS ROAD  
COMPLETE FINAL LANDSCAPING  
REMOVE ALL EROSION CONTROL ITEMS

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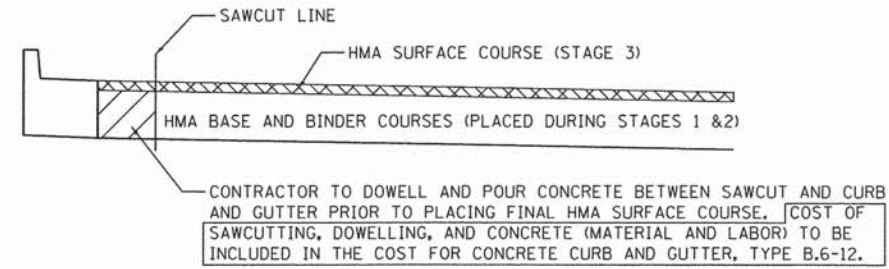
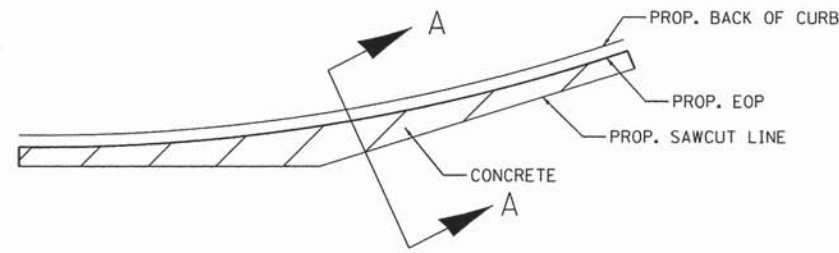
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

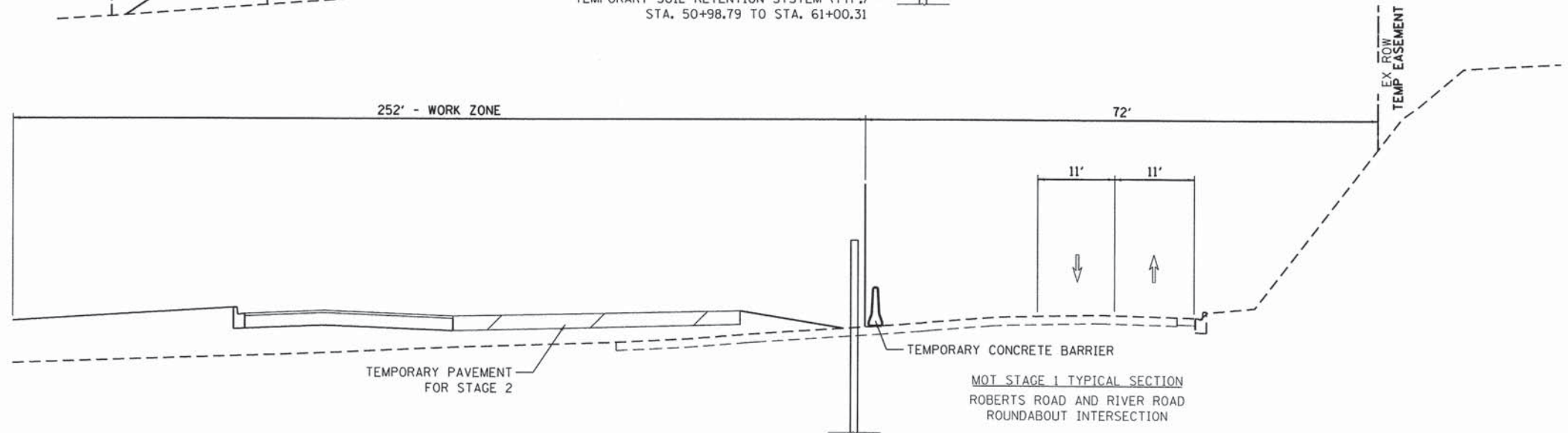
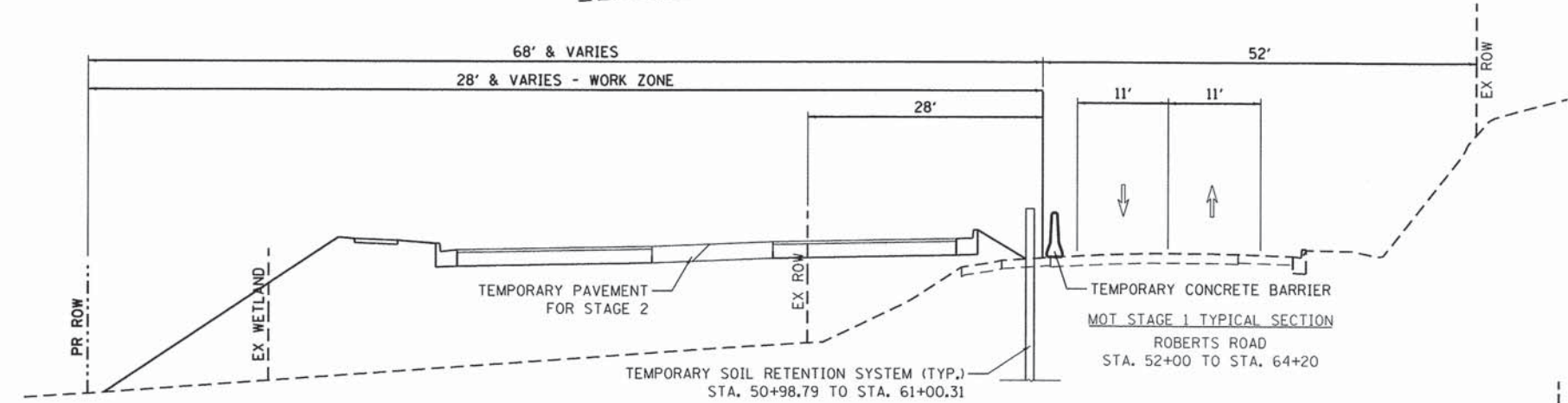
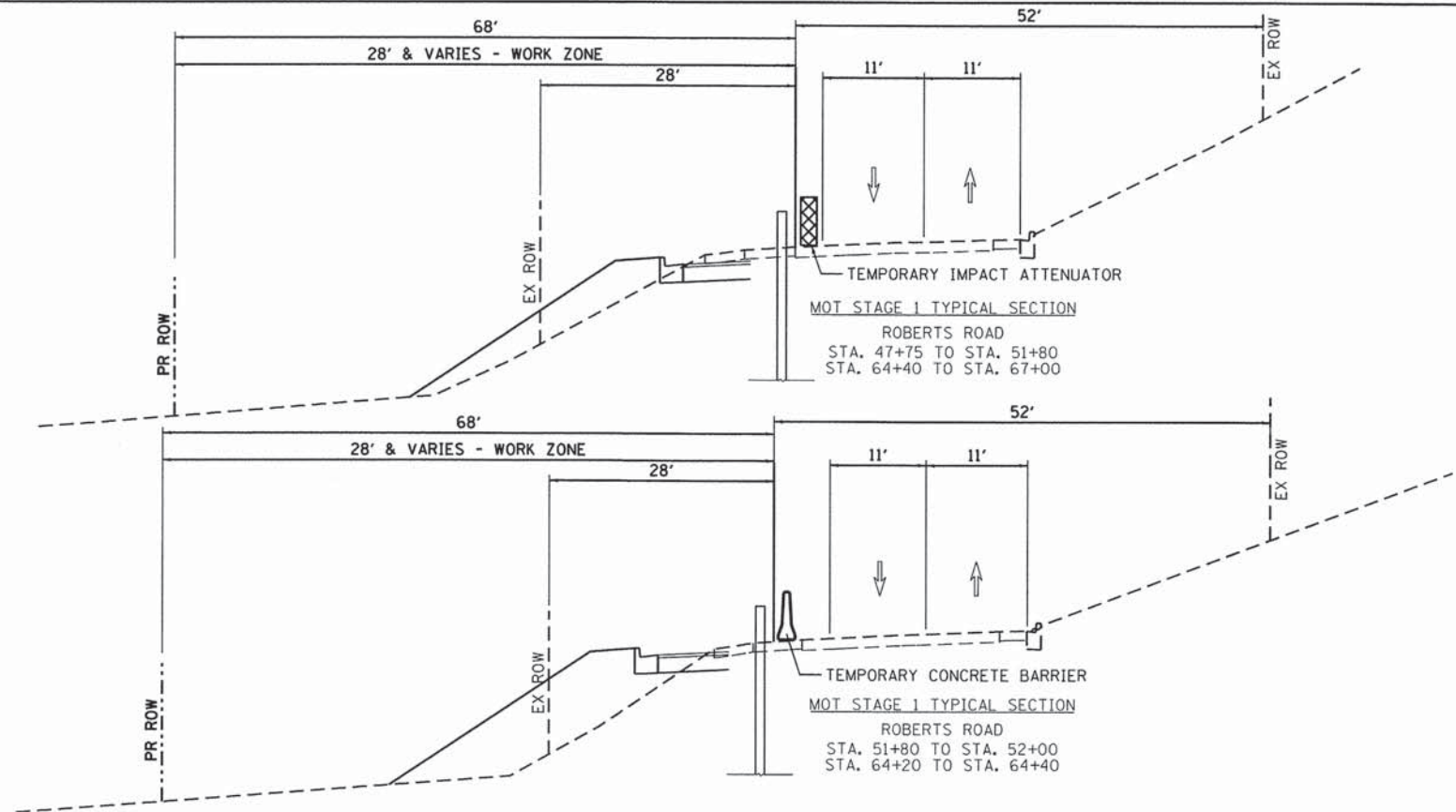
**MAINTENANCE OF TRAFFIC  
GENERAL NOTES**

SCALE: NONE SHEET 50 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	50
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



SECTION A-A



FILE NAME = F:\977-010 River Roberts Phase 1\CADD\SHEETS\977-010-SHT\_MOT\_TYP\_01.dgn

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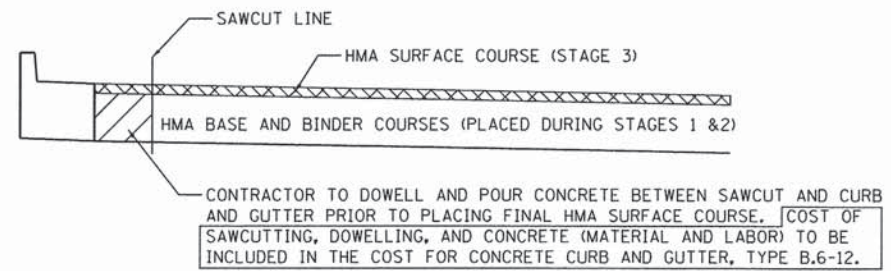
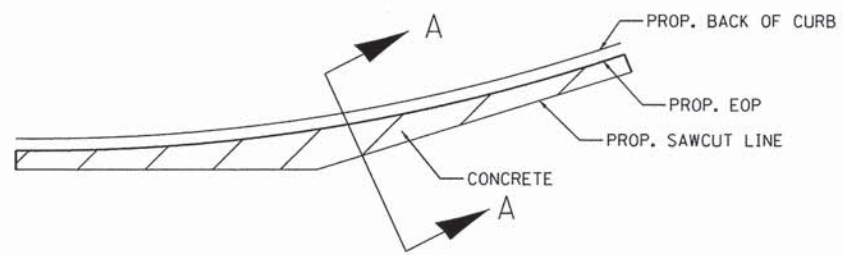
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

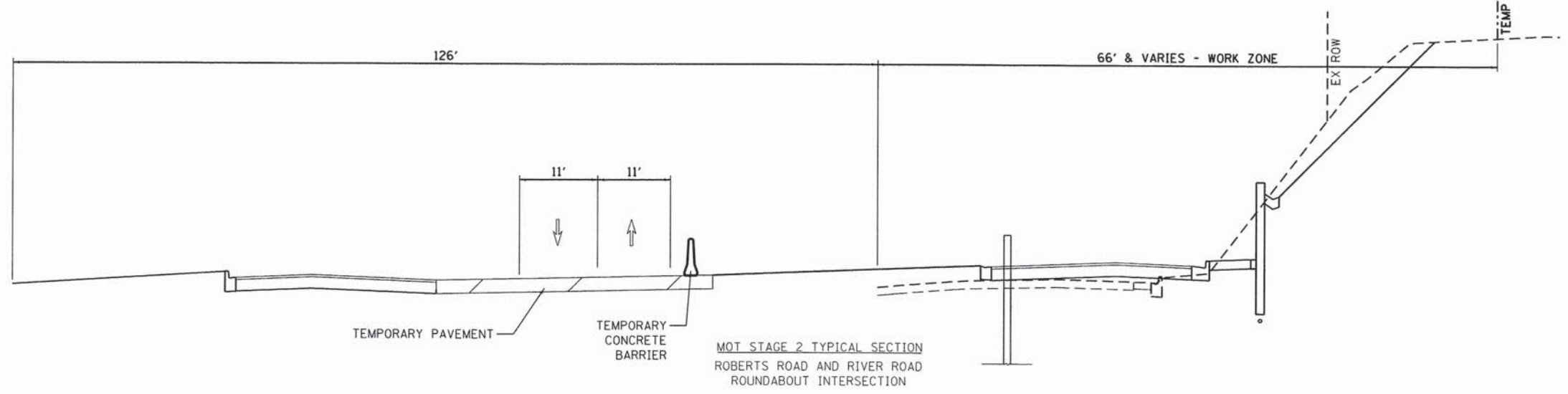
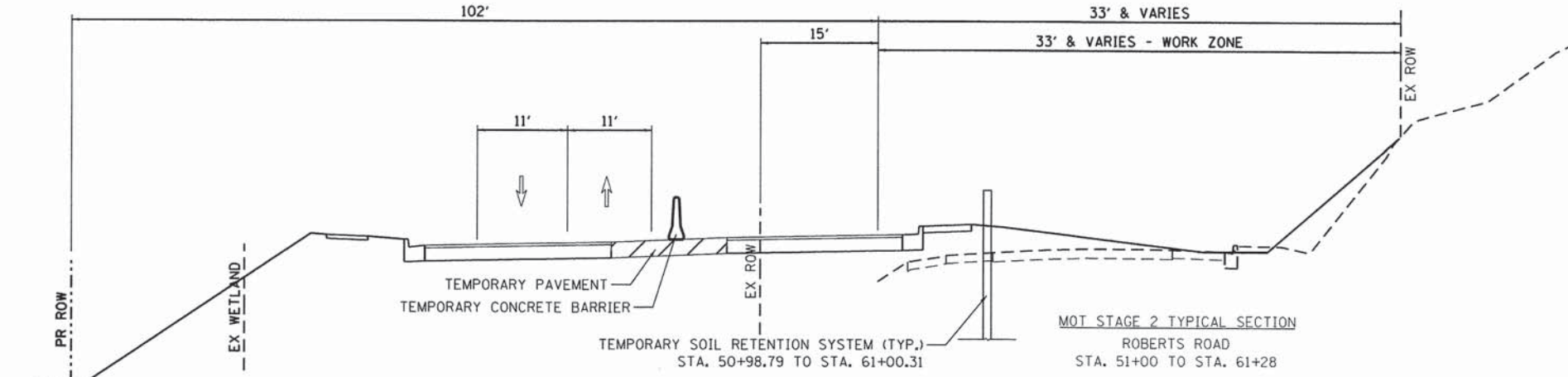
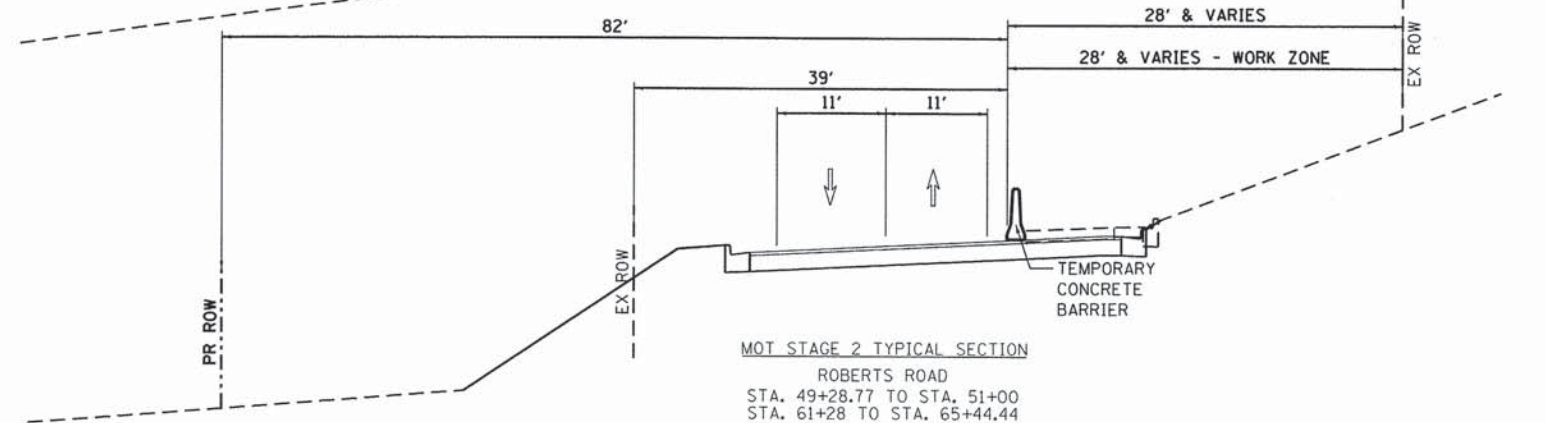
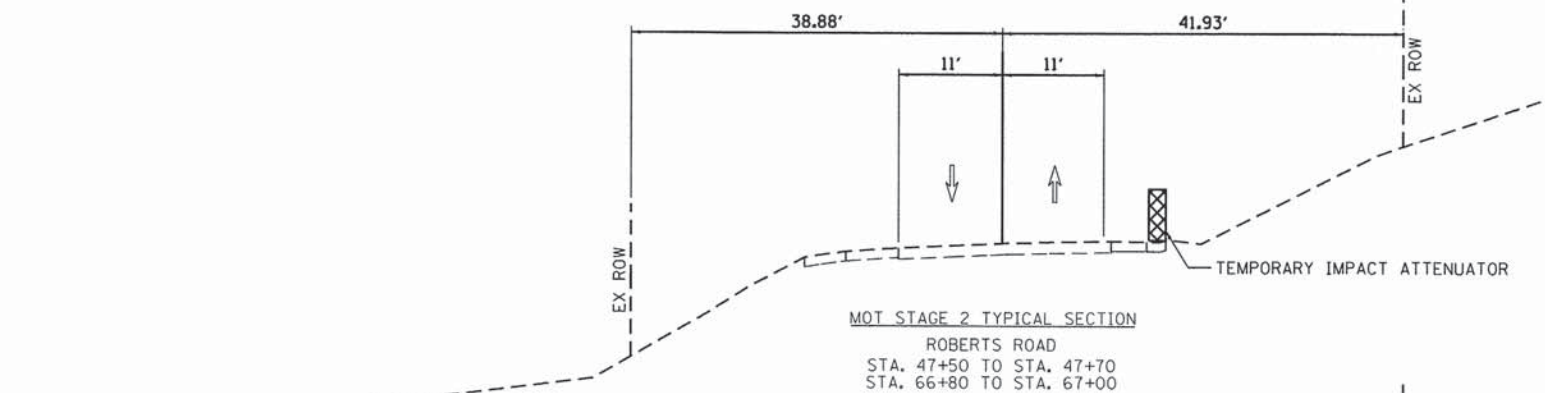
**ROBERTS ROAD  
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE 1  
TYPICAL SECTIONS**

F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 51
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

SCALE: NTS      SHEET 51 OF 183 SHEETS      STA. TO STA.

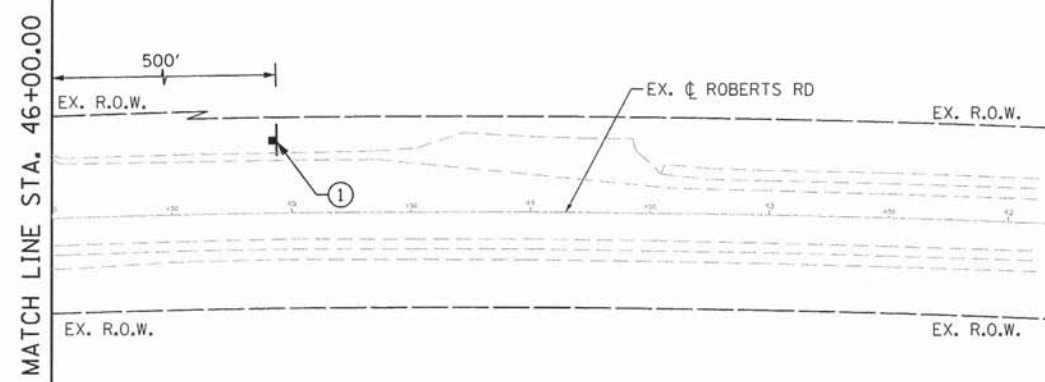
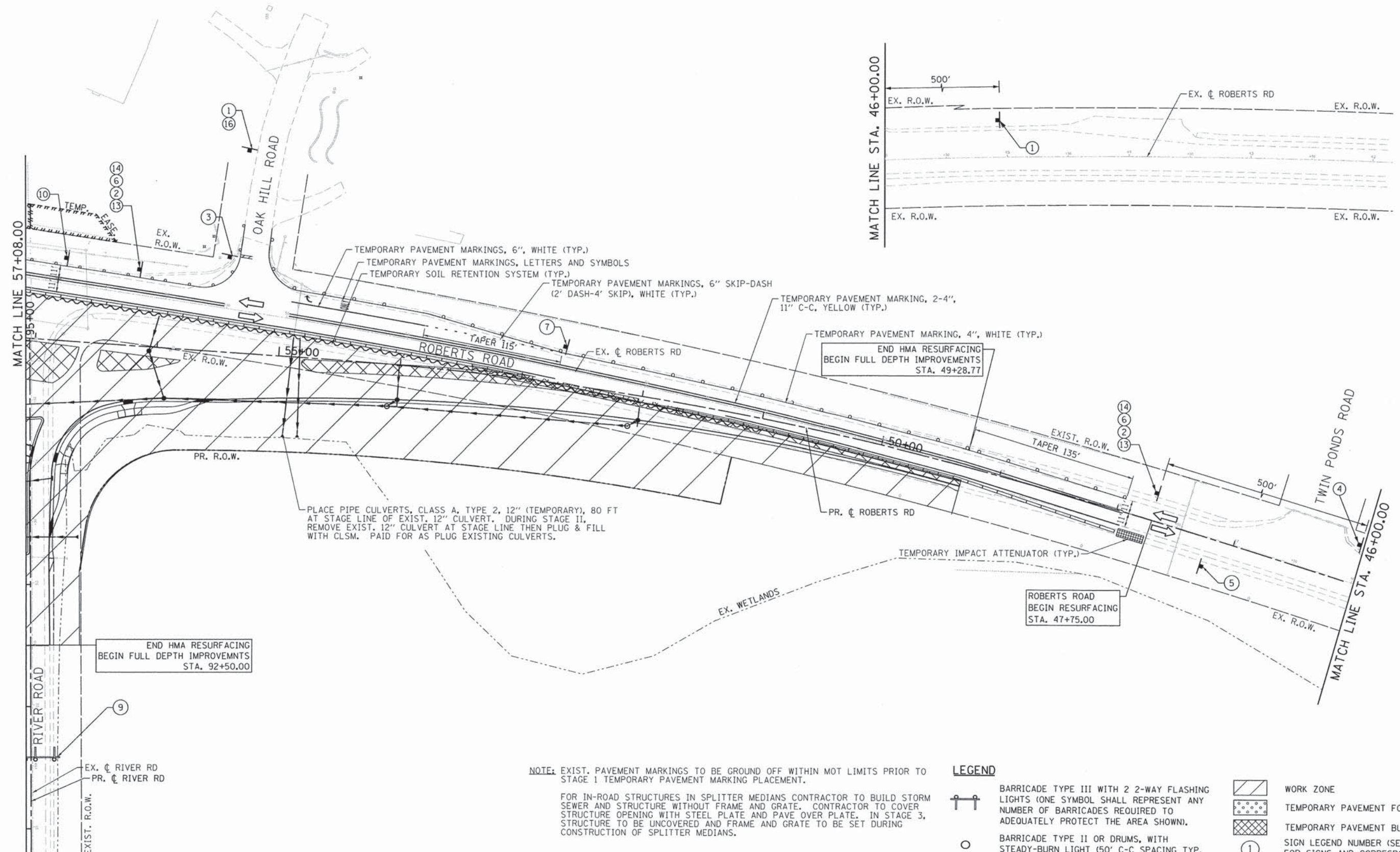


SECTION A-A



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	PLOT SCALE = #SCALE#	CHECKED - DBB	REVISED -				SCALE: NTS	SHEET 52 OF 183 SHEETS	STA. TO STA.	CONTRACT NO. 63875	
	PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -								



PLACE PIPE CULVERTS, CLASS A, TYPE 2, 12" (TEMPORARY), 80 FT AT STAGE LINE OF EXIST. 12" CULVERT. DURING STAGE II, REMOVE EXIST. 12" CULVERT AT STAGE LINE THEN PLUG & FILL WITH CLSM. PAID FOR AS PLUG EXISTING CULVERTS.

**NOTE:** EXIST. PAVEMENT MARKINGS TO BE GROUND OFF WITHIN MOT LIMITS PRIOR TO STAGE 1 TEMPORARY PAVEMENT MARKING PLACEMENT.

FOR IN-ROAD STRUCTURES IN SPLITTER MEDIANS CONTRACTOR TO BUILD STORM SEWER AND STRUCTURE WITHOUT FRAME AND GRATE. CONTRACTOR TO COVER STRUCTURE OPENING WITH STEEL PLATE AND PAVE OVER PLATE. IN STAGE 3, STRUCTURE TO BE UNCOVERED AND FRAME AND GRATE TO BE SET DURING CONSTRUCTION OF SPLITTER MEDIANS.

**LEGEND**

- BARRICADE TYPE III WITH 2 2-WAY FLASHING LIGHTS (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- BARRICADE TYPE II OR DRUMS, WITH STEADY-BURN LIGHT (50' C-C SPACING TYP. AND 25' C-C ON TAPERS AND CURVES).
- TEMPORARY TRAFFIC ADVISORY SIGN.
- WORK ZONE
- TEMPORARY PAVEMENT FOR CURRENT STAGE
- TEMPORARY PAVEMENT BUILT FOR NEXT STAGE
- SIGN LEGEND NUMBER (SEE ADJACENT LEGEND FOR SIGNS AND CORRESPONDING NUMBERS).
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER

FILE NAME: F:\S77-018 River Roberts Phase I\CAD\02 SHEETS\877-018-SHT\_MOT\_STG1.dwg

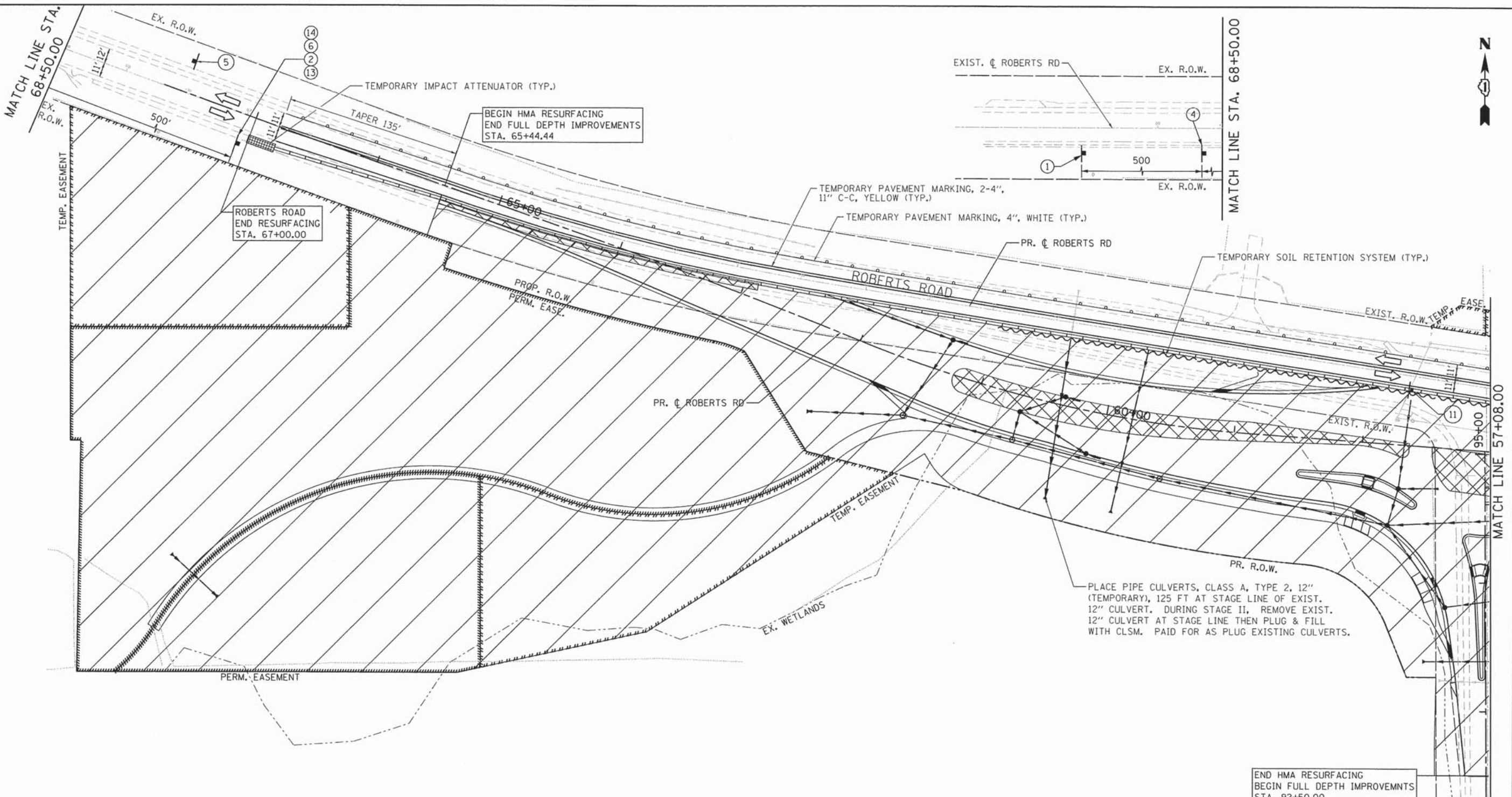


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD**  
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE 1  
SCALE: 1"=40' SHEET 53 OF 183 SHEETS STA. 47+75.00 TO STA. 57+08.00

F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 53
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- BARRICADE TYPE III WITH 2 2-WAY FLASHING LIGHTS (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- BARRICADE TYPE II OR DRUMS, WITH STEADY-BURN LIGHT (50' C-C SPACING TYP. AND 25' C-C ON TAPERS AND CURVES).
- TEMPORARY TRAFFIC ADVISORY SIGN.
- WORK ZONE
- TEMPORARY PAVEMENT FOR CURRENT STAGE
- TEMPORARY PAVEMENT BUILT FOR NEXT STAGE
- SIGN LEGEND NUMBER (SEE ADJACENT LEGEND FOR SIGNS AND CORRESPONDING NUMBERS).
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER

**NOTE:** EXIST. PAVEMENT MARKINGS TO BE GROUND OFF WITHIN MOT LIMITS PRIOR TO STAGE I TEMPORARY PAVEMENT MARKING PLACEMENT.

FOR IN-ROAD STRUCTURES IN SPLITTER MEDIANS CONTRACTOR TO BUILD STORM SEWER AND STRUCTURE WITHOUT FRAME AND GRATE. CONTRACTOR TO COVER STRUCTURE OPENING WITH STEEL PLATE AND PAVE OVER PLATE. IN STAGE 3, STRUCTURE TO BE UNCOVERED AND FRAME AND GRATE TO BE SET DURING CONSTRUCTION OF SPLITTER MEDIANS.

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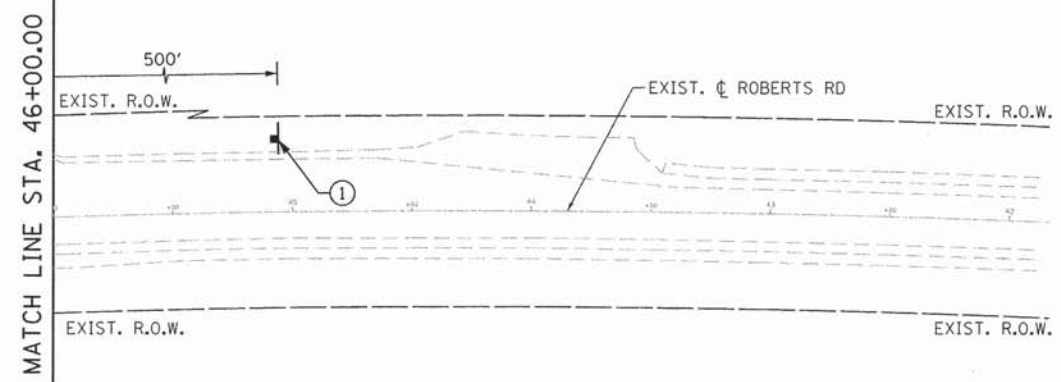
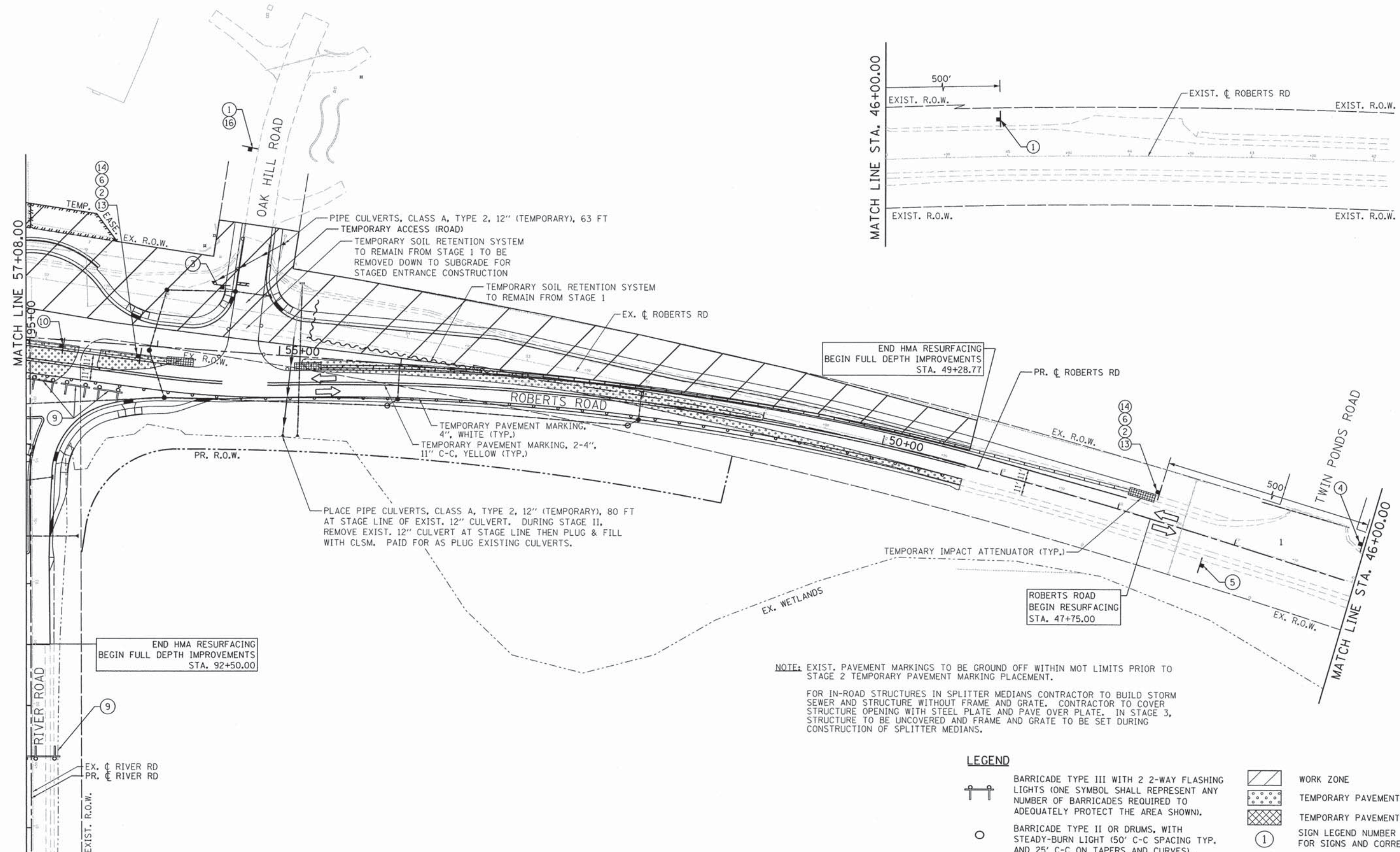


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD**  
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE 1**  
 SCALE: 1"=40' SHEET 54 OF 183 SHEETS STA. 57+08.00 TO STA. 67+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	54
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



**NOTE:** EXIST. PAVEMENT MARKINGS TO BE GROUND OFF WITHIN MOT LIMITS PRIOR TO STAGE 2 TEMPORARY PAVEMENT MARKING PLACEMENT.

FOR IN-ROAD STRUCTURES IN SPLITTER MEDIANS CONTRACTOR TO BUILD STORM SEWER AND STRUCTURE WITHOUT FRAME AND GRATE. CONTRACTOR TO COVER STRUCTURE OPENING WITH STEEL PLATE AND PAVE OVER PLATE. IN STAGE 3, STRUCTURE TO BE UNCOVERED AND FRAME AND GRATE TO BE SET DURING CONSTRUCTION OF SPLITTER MEDIANS.

**LEGEND**

- BARRICADE TYPE III WITH 2 2-WAY FLASHING LIGHTS (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- BARRICADE TYPE II OR DRUMS, WITH STEADY-BURN LIGHT (50' C-C SPACING TYP. AND 25' C-C ON TAPERS AND CURVES).
- TEMPORARY TRAFFIC ADVISORY SIGN.
- WORK ZONE
- TEMPORARY PAVEMENT FOR CURRENT STAGE
- TEMPORARY PAVEMENT BUILT FOR NEXT STAGE
- SIGN LEGEND NUMBER (SEE ADJACENT LEGEND FOR SIGNS AND CORRESPONDING NUMBERS).
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER

FILE NAME = F:\977-010 River Roberts Phase II\CADD\SHEETS\977-010-SHT\_H01\_S102.01.dgn

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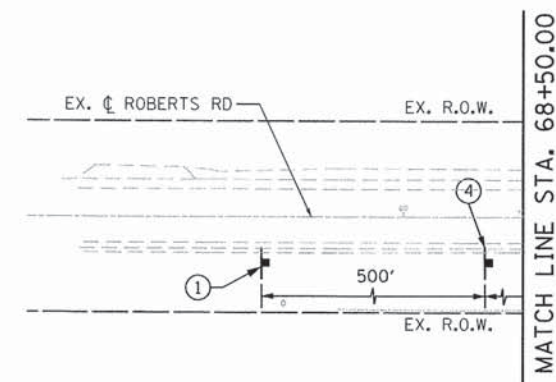
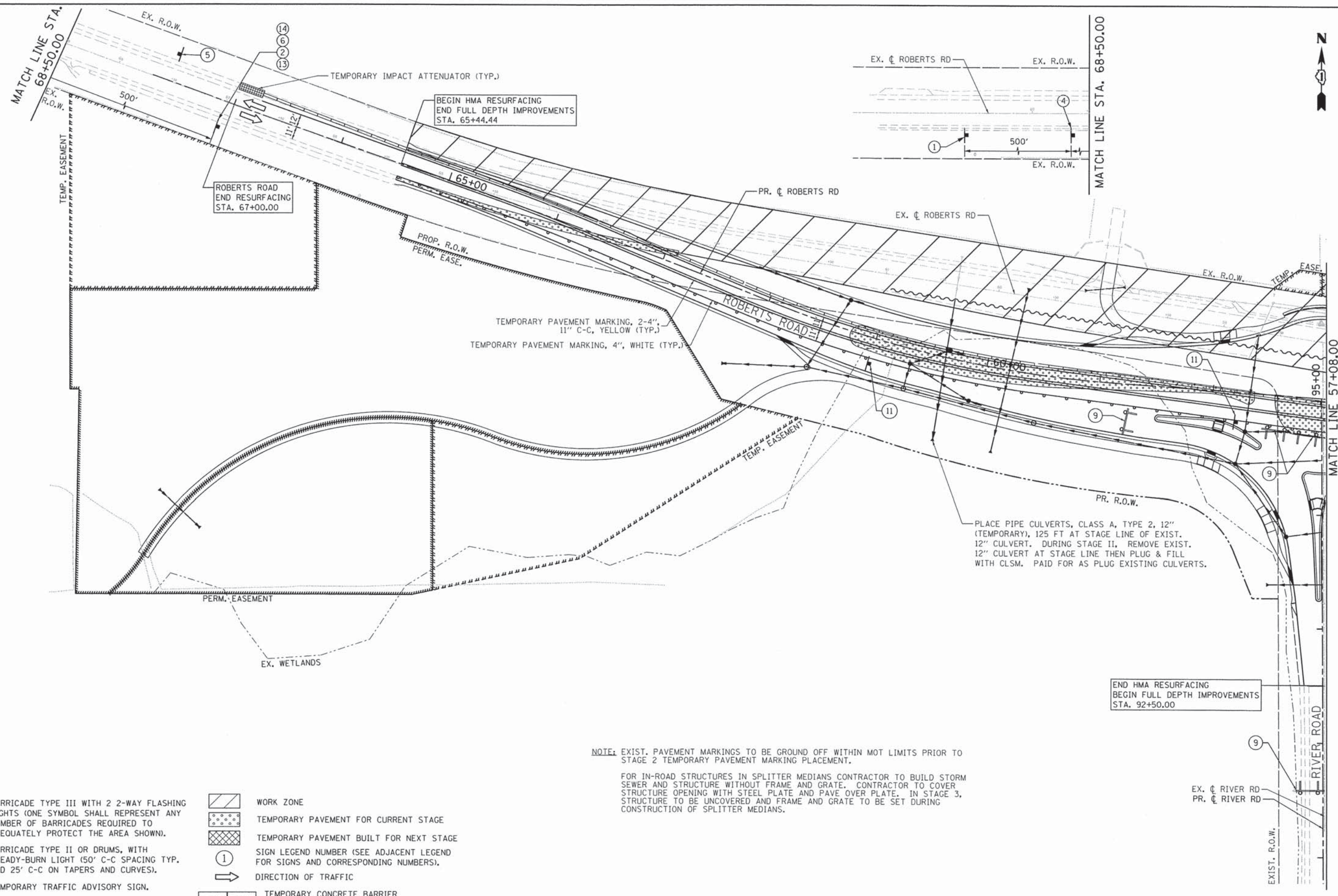
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	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE 2**

SCALE: 1"=40"    SHEET 55 OF 183 SHEETS    STA. 47+75.00 TO STA. 57+08.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	55
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- BARRICADE TYPE III WITH 2 2-WAY FLASHING LIGHTS (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- BARRICADE TYPE II OR DRUMS, WITH STEADY-BURN LIGHT (50' C-C SPACING TYP. AND 25' C-C ON TAPERS AND CURVES).
- TEMPORARY TRAFFIC ADVISORY SIGN.
- WORK ZONE
- TEMPORARY PAVEMENT FOR CURRENT STAGE
- TEMPORARY PAVEMENT BUILT FOR NEXT STAGE
- SIGN LEGEND NUMBER (SEE ADJACENT LEGEND FOR SIGNS AND CORRESPONDING NUMBERS).
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER

**NOTE:** EXIST. PAVEMENT MARKINGS TO BE GROUND OFF WITHIN MOT LIMITS PRIOR TO STAGE 2 TEMPORARY PAVEMENT MARKING PLACEMENT.

FOR IN-ROAD STRUCTURES IN SPLITTER MEDIANS CONTRACTOR TO BUILD STORM SEWER AND STRUCTURE WITHOUT FRAME AND GRATE. CONTRACTOR TO COVER STRUCTURE OPENING WITH STEEL PLATE AND PAVE OVER PLATE. IN STAGE 3, STRUCTURE TO BE UNCOVERED AND FRAME AND GRATE TO BE SET DURING CONSTRUCTION OF SPLITTER MEDIANS.

PLACE PIPE CULVERTS, CLASS A, TYPE 2, 12" (TEMPORARY), 125 FT AT STAGE LINE OF EXIST. 12" CULVERT. DURING STAGE II, REMOVE EXIST. 12" CULVERT AT STAGE LINE THEN PLUG & FILL WITH CLSM. PAID FOR AS PLUG EXISTING CULVERTS.

END HMA RESURFACING  
BEGIN FULL DEPTH IMPROVEMENTS  
STA. 92+50.00

FILE NAME = F:\1877-010 River Roberts Phase 1\1\0000 SHEETS\1877-010-SHT\_H01\_ST02.dwg



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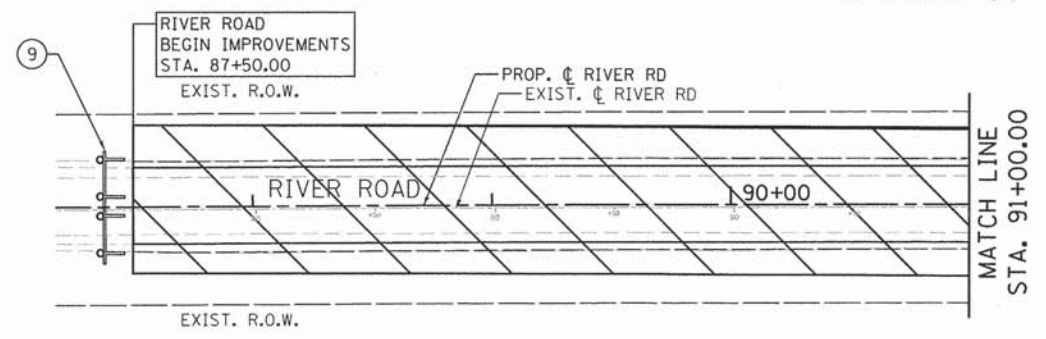
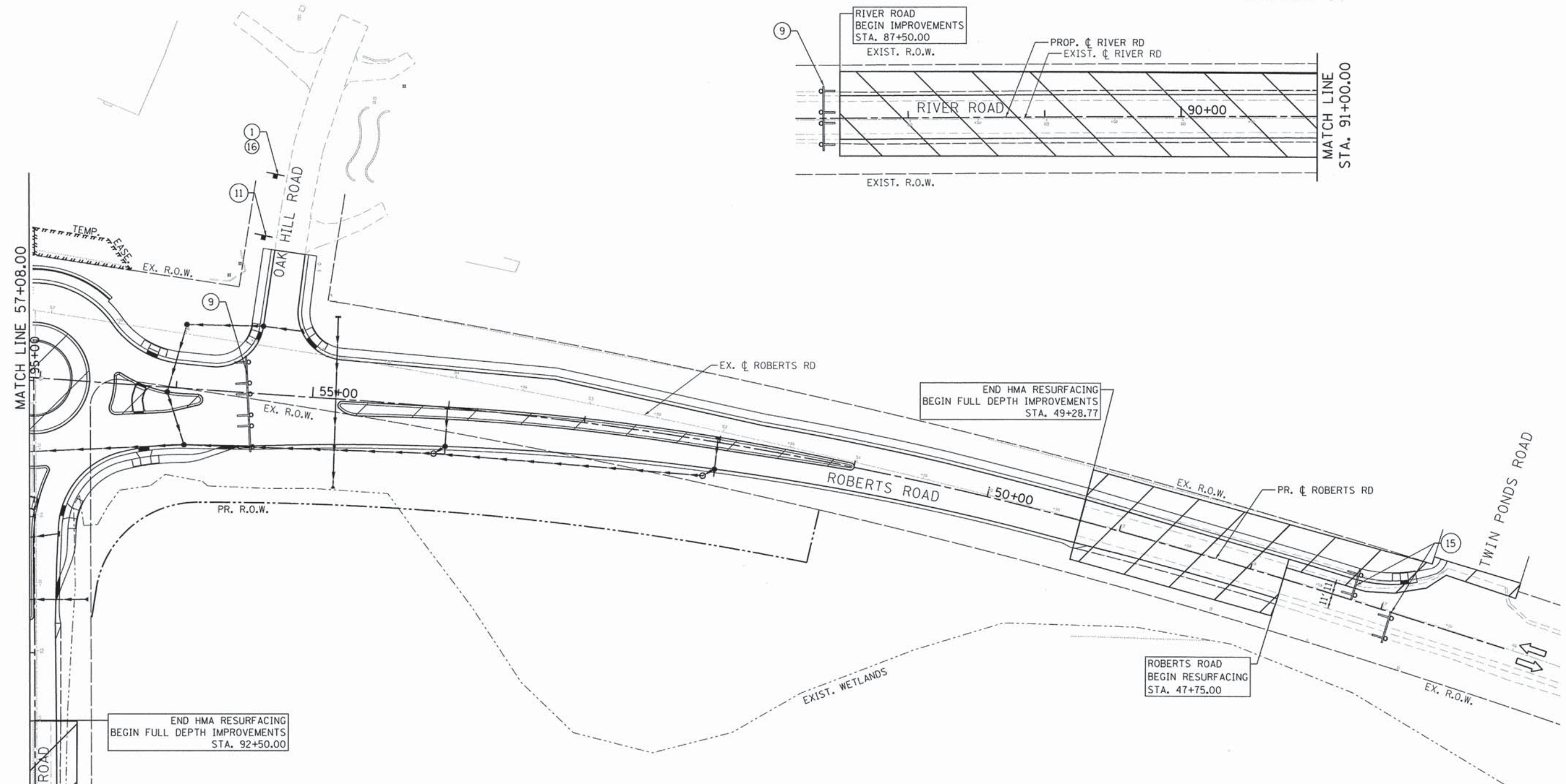
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE 2**

SCALE: 1"=40' SHEET 56 OF 183 SHEETS STA. 57+08.00 TO STA. 67+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	56
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				





END HMA RESURFACING  
BEGIN FULL DEPTH IMPROVEMENTS  
STA. 92+50.00

END HMA RESURFACING  
BEGIN FULL DEPTH IMPROVEMENTS  
STA. 49+28.77

ROBERTS ROAD  
BEGIN RESURFACING  
STA. 47+75.00

**NOTE:** EXIST. PAVEMENT MARKINGS TO BE GROUND OFF WITHIN MOT LIMITS PRIOR TO STAGE 3 TEMPORARY PAVEMENT MARKING PLACEMENT.

FOR IN-ROAD STRUCTURES IN SPLITTER MEDIANS CONTRACTOR TO BUILD STORM SEWER AND STRUCTURE WITHOUT FRAME AND GRATE. CONTRACTOR TO COVER STRUCTURE OPENING WITH STEEL PLATE AND PAVE OVER PLATE. IN STAGE 3, STRUCTURE TO BE UNCOVERED AND FRAME AND GRATE TO BE SET DURING CONSTRUCTION OF SPLITTER MEDIANS.

ROBERTS ROAD CLOSED DURING STAGE 3 CONSTRUCTION

**LEGEND**

- BARRICADE TYPE III WITH 2 2-WAY FLASHING LIGHTS (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- BARRICADE TYPE II OR DRUMS, WITH STEADY-BURN LIGHT (50' C-C SPACING TYP. AND 25' C-C ON TAPERS AND CURVES).
- TEMPORARY TRAFFIC ADVISORY SIGN.
- WORK ZONE
- TEMPORARY PAVEMENT FOR CURRENT STAGE
- TEMPORARY PAVEMENT BUILT FOR NEXT STAGE
- SIGN LEGEND NUMBER (SEE ADJACENT LEGEND FOR SIGNS AND CORRESPONDING NUMBERS).
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER

FILE NAME = F:\877-010 River Roberts Phase 1\1\000.SHEETS\877-010\_SHT\_001.DWG

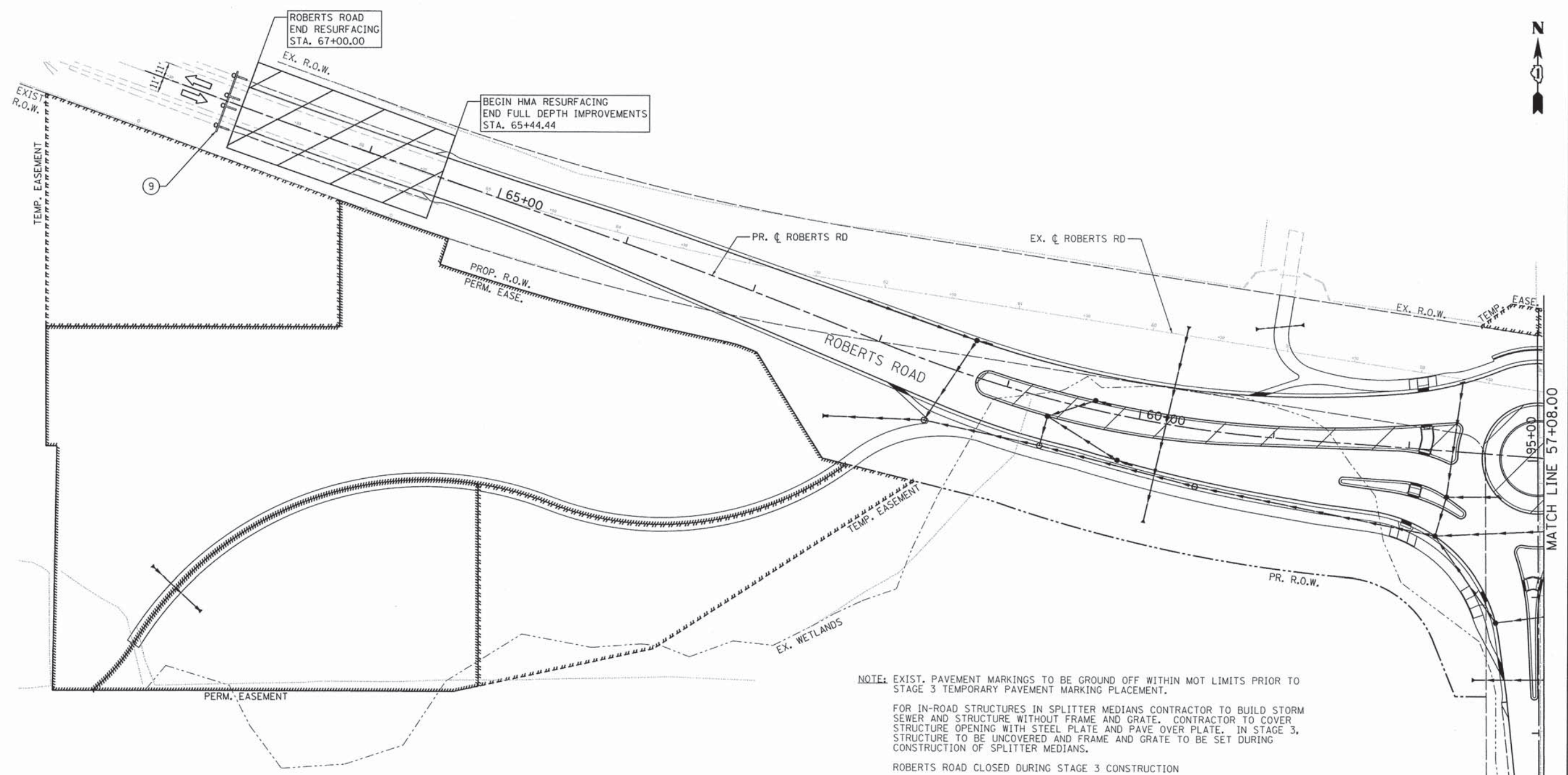
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ITASCA, ILLINOIS

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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD**  
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE 3**  
SCALE: 1"=40'    SHEET 57 OF 183 SHEETS    STA. 47+75.00 TO STA. 57+08.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	57
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



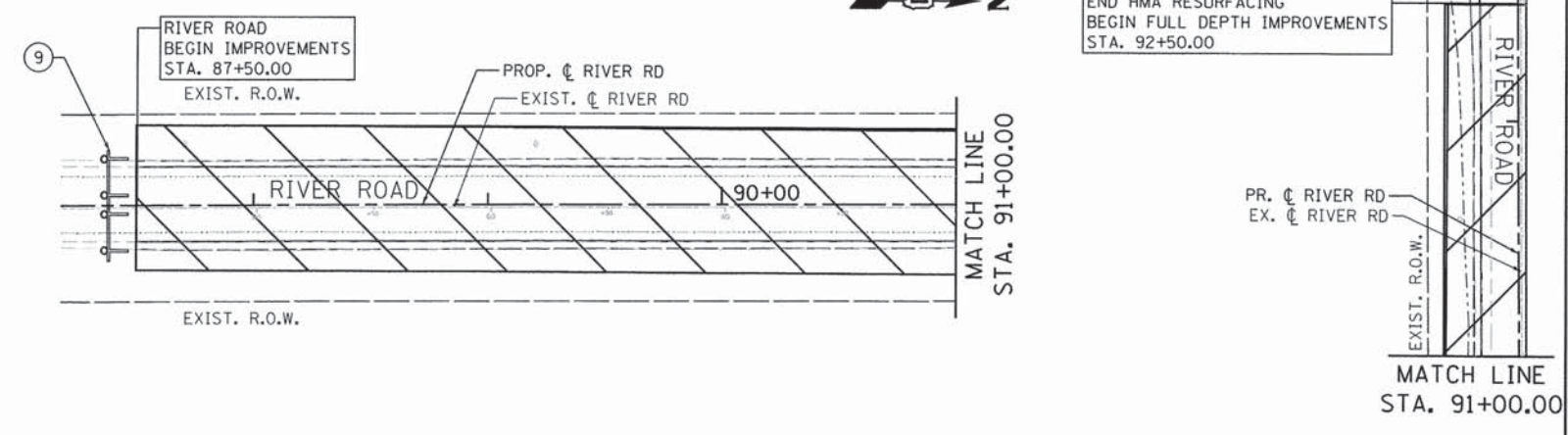
**NOTE:** EXIST. PAVEMENT MARKINGS TO BE GROUND OFF WITHIN MOT LIMITS PRIOR TO STAGE 3 TEMPORARY PAVEMENT MARKING PLACEMENT.

FOR IN-ROAD STRUCTURES IN SPLITTER MEDIANS CONTRACTOR TO BUILD STORM SEWER AND STRUCTURE WITHOUT FRAME AND GRATE. CONTRACTOR TO COVER STRUCTURE OPENING WITH STEEL PLATE AND PAVE OVER PLATE. IN STAGE 3, STRUCTURE TO BE UNCOVERED AND FRAME AND GRATE TO BE SET DURING CONSTRUCTION OF SPLITTER MEDIANS.

ROBERTS ROAD CLOSED DURING STAGE 3 CONSTRUCTION

**LEGEND**

- BARRICADE TYPE III WITH 2 2-WAY FLASHING LIGHTS (ONE SYMBOL SHALL REPRESENT ANY NUMBER OF BARRICADES REQUIRED TO ADEQUATELY PROTECT THE AREA SHOWN).
- BARRICADE TYPE II OR DRUMS, WITH STEADY-BURN LIGHT (50' C-C SPACING TYP. AND 25' C-C ON TAPERS AND CURVES).
- TEMPORARY TRAFFIC ADVISORY SIGN.
- WORK ZONE
- TEMPORARY PAVEMENT FOR CURRENT STAGE
- TEMPORARY PAVEMENT BUILT FOR NEXT STAGE
- SIGN LEGEND NUMBER (SEE ADJACENT LEGEND FOR SIGNS AND CORRESPONDING NUMBERS).
- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD**  
**SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE 3**  
 SCALE: 1"=40"  
 SHEET 58 OF 183 SHEETS  
 STA. 57+08.00 TO STA. 67+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	58
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

TEMPORARY EROSION CONTROL NOTES

THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES PRIOR TO STRIPPING OF EXISTING VEGETATION.

ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT.

NO RUNOFF FROM STRIPPED AREAS WILL LEAVE THE SITE OTHER THAN THROUGH EROSION CONTROL PROTECTIVE MEASURES. THE CONTRACTOR WILL ADJUST HIS OPERATIONS AND IMPLEMENT EROSION CONTROL MEASURES ACCORDINGLY.

SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

MAINTENANCE AND REPAIR OF ALL EROSION CONTROL MEASURES SHALL BE PAID FOR AS MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS.

EROSION CONTROL MEASURES SHALL BE INSPECTED 24 HOURS AFTER ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION.

ALL DISTURBED AREAS SHALL BE SEEDING OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. AREAS THAT HAVE BEEN STRIPPED AND WILL NOT RECEIVE PERMANENT LANDSCAPING BEFORE THE END OF THE FALL SEEDING RESTRICTION SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING.

DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.

THE CONTRACTOR SHALL SURROUND ALL EARTH STOCKPILES WITH SILT FILTER FENCE, WHICH SHALL BE PAID FOR AS PERIMETER EROSION BARRIER.

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORM WATER AND SHALL FOLLOW IEPA AND IDOT CONSTRUCTION MEMORANDAM NO.06-60.

EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGED CONSTRUCTION.

ALL STORM SEWER FACILITIES WITH OPEN LIDS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED OR FILTERED. ALL PROPOSED DRAINAGE STRUCTURES THAT HAVE OPEN LIDS IN PAVEMENT SHALL BE COVERED WITH INLET FILTERS.

THE PERIMETER EROSION BARRIER SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATION. AT THAT TIME, THE PERIMETER EROSION BARRIER SHALL BE REMOVED AND THE AREAS DAMAGED BY THE FENCE INSTALLATION SHALL BE RESTORED.

ALL CONCRETE WASHOUT MUST REMAIN WITHIN THE LIMITS OF CONSTRUCTION. ANY EXCESS CONCRETE SHALL BE DISPOSED OF BY MEANS OF A DUMPSTER.

AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 1V:3H, AND APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE STABILIZED WITH SOD, MAT OR BLANKET IN COMBINATION WITH SEEDING.

ALL STORM SEWER THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.

ANY SEDIMENT OR SOIL REACHING BEYOND THE PROJECT LIMITS SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF LAKE COUNTY.

IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE)

THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

THE CONTRACTOR SHALL SUBMIT FOR APPROVAL THE PROPOSED CONCRETE TRUCK WASHOUT LOCATIONS. RUNOFF FROM WASH AREAS SHALL BE CONTAINED IN DESIGNATED AREAS SO THAT RUNOFF DOES NOT REACH THE STORM SEWER OR DITCH SYSTEMS.

SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM: UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.

IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.

TEMPORARY EROSION CONTROL SEQUENCE OF CONSTRUCTION

- 1.) INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
- A.) SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
- B.) SILT FENCE INSTALLATION
- C.) CONSTRUCTION FENCING AROUND AREAS NOT TO BE DISTURBED
- D.) STABILIZED CONSTRUCTION ENTRANCE
- 2.) TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB)
- 3.) CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS 3'x8')
- 4.) CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR & TEMPORARY PERFORATED RISER
- 5.) STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE
- 6.) TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE)
- 7.) INSTALL STORM SEWER, SANITARY SEWER, WATER AND ASSOCIATED INLET & OUTLET PROTECTION
- 8.) PERMANENTLY STABILIZE DETENTION BASINS WITH SEED AND EROSION CONTROL BLANKET
- 9.) TEMPORARILY STABILIZE ALL AREAS INCLUDING LOTS THAT HAVE REACHED TEMPORARY GRADE
- 10.) INSTALL ROADWAYS
- 11.) PERMANENTLY STABILIZE ALL OUTLOT AREAS
- 12.) INSTALL STRUCTURES AND GRADE INDIVIDUAL LOTS
- 13.) PERMANENTLY STABILIZE LOTS
- 14.) REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION

• SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AND AFTER EVERY 1/2" OR GREATER RAINFALL EVENT

FILE NAME = F:\977-018 River Roberts Phase 1\1\CAD\00\_SHEETS\977-018\_SHT\_EROSION-CONTROL NOTES.dgn



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
EROSION AND SEDIMENT CONTROL - GENERAL NOTES**

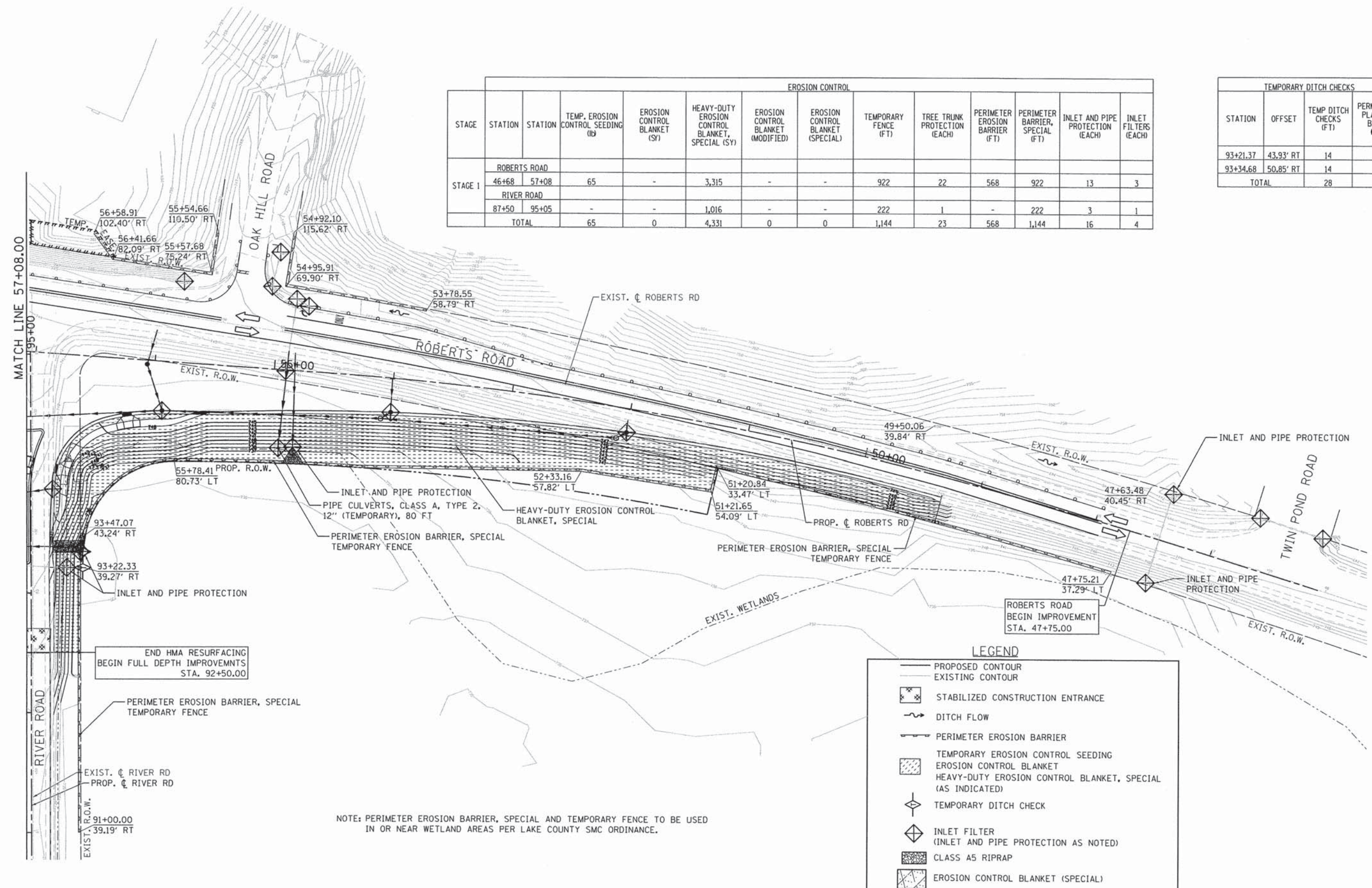
SCALE: NTS      SHEET 59 OF 183 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	59
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



STAGE	STATION	STATION	EROSION CONTROL											
			TEMP. EROSION CONTROL SEEDING (lb)	EROSION CONTROL BLANKET (SY)	HEAVY-DUTY EROSION CONTROL BLANKET, SPECIAL (SY)	EROSION CONTROL BLANKET (MODIFIED)	EROSION CONTROL BLANKET (SPECIAL)	TEMPORARY FENCE (FT)	TREE TRUNK PROTECTION (EACH)	PERIMETER EROSION BARRIER (FT)	PERIMETER BARRIER, SPECIAL (FT)	INLET AND PIPE PROTECTION (EACH)	INLET FILTERS (EACH)	
STAGE 1	ROBERTS ROAD													
	46+68	57+08	65	-	3,315	-	-	922	22	568	922	13	3	
	RIVER ROAD													
	87+50	95+05	-	-	1,016	-	-	222	1	-	222	3	1	
	TOTAL		65	0	4,331	0	0	1,144	23	568	1,144	16	4	

TEMPORARY DITCH CHECKS			
STATION	OFFSET	TEMP DITCH CHECKS (FT)	PERMIABLE PLASTIC BERM (FT)
93+21.37	43.93' RT	14	16
93+34.68	50.85' RT	14	16
TOTAL		28	32



END HMA RESURFACING  
BEGIN FULL DEPTH IMPROVEMNTS  
STA. 92+50.00

NOTE: PERIMETER EROSION BARRIER, SPECIAL AND TEMPORARY FENCE TO BE USED IN OR NEAR WETLAND AREAS PER LAKE COUNTY SMC ORDINANCE.

**LEGEND**

- PROPOSED CONTOUR
- - - EXISTING CONTOUR
- ☒ STABILIZED CONSTRUCTION ENTRANCE
- ~ DITCH FLOW
- PERIMETER EROSION BARRIER
- ▨ TEMPORARY EROSION CONTROL SEEDING
- ▩ EROSION CONTROL BLANKET
- ▧ HEAVY-DUTY EROSION CONTROL BLANKET, SPECIAL (AS INDICATED)
- ◇ TEMPORARY DITCH CHECK
- ◇ INLET FILTER (INLET AND PIPE PROTECTION AS NOTED)
- ▨ CLASS A5 RIPRAP
- ▩ EROSION CONTROL BLANKET (SPECIAL)

FILE NAME = F:\877-010 River Roberts Phase I\LOADD.SHEETS\877-010-SHT\_EROS-STG1.dgn

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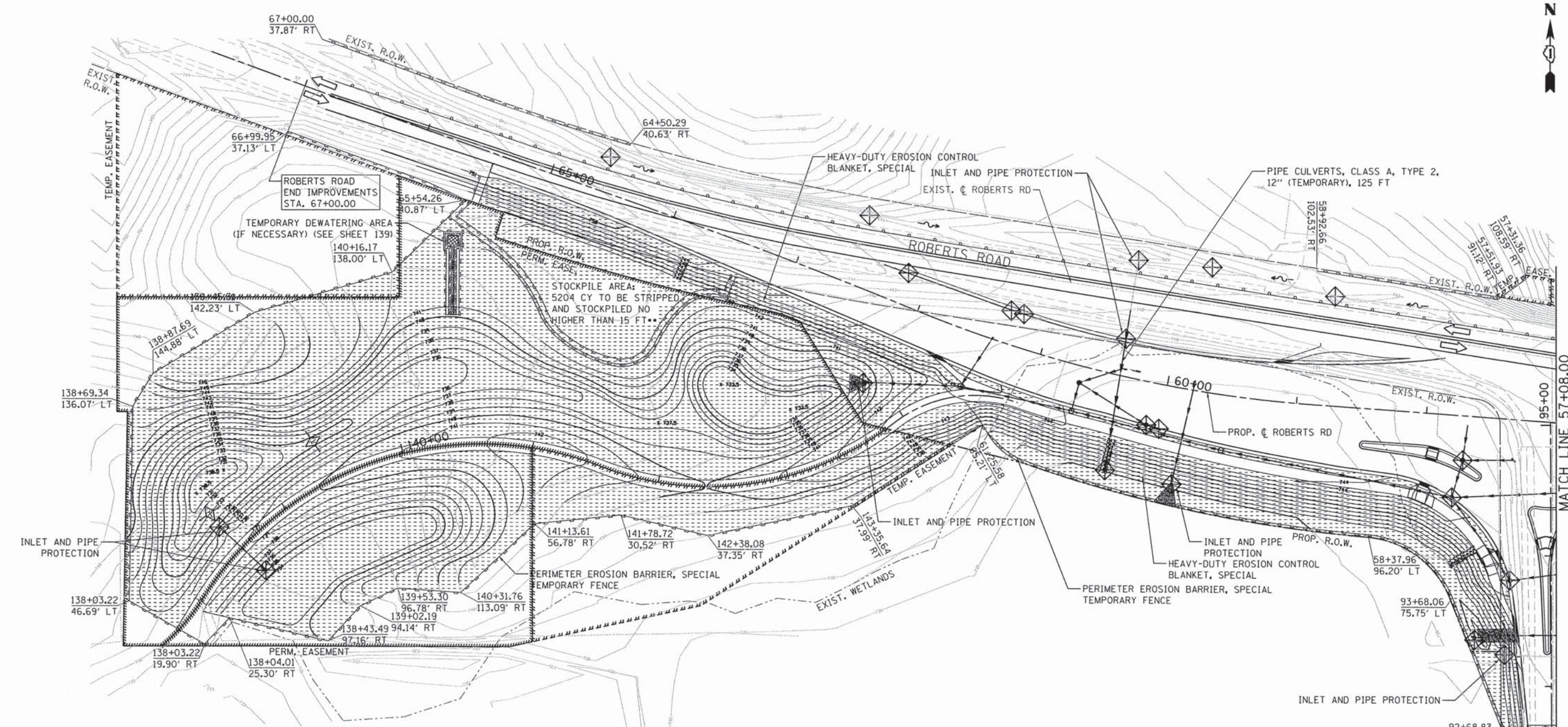
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
EROSION AND SEDIMENT CONTROL - STAGE 1**

SCALE: 1"=40' SHEET 60 OF 183 SHEETS STA. 47+75.00 TO STA. 57+08.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	60
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- PROPOSED CONTOUR
- - - EXISTING CONTOUR
- ⊠ STABILIZED CONSTRUCTION ENTRANCE
- ~ DITCH FLOW
- PERIMETER EROSION BARRIER
- ▨ TEMPORARY EROSION CONTROL SEEDING
- ▩ EROSION CONTROL BLANKET
- ▧ HEAVY-DUTY EROSION CONTROL BLANKET, SPECIAL (AS INDICATED)
- ◇ TEMPORARY DITCH CHECK
- ◇ INLET FILTER (INLET AND PIPE PROTECTION AS NOTED)
- ▨ CLASS A5 RIPRAP
- ▩ EROSION CONTROL BLANKET (SPECIAL)

EROSION CONTROL													
STAGE	STATION	STATION	TEMP. EROSION CONTROL SEEDING (lb)	EROSION CONTROL BLANKET (SPECIAL) (SY)	HEAVY-DUTY EROSION CONTROL BLANKET, SPECIAL (SY)	EROSION CONTROL BLANKET (MODIFIED)	EROSION CONTROL BLANKET (SPECIAL)	TEMPORARY FENCE (FT)	TREE TRUNK PROTECTION (EACH)	PERIMETER EROSION BARRIER (FT)	PERIMETER BARRIER, SPECIAL (FT)	INLET AND PIPE PROTECTION (EACH)	INLET FILTERS (EACH)
STAGE 1	ROBERTS ROAD												
	57+08	67+00	71	-	2,776	-	338	426	18	563	426	15	7
	RIVER ROAD												
	87+50	95+05	-	-	1,016	-	-	275	-	-	275	3	-
	FOREST PRESERVE		271	-	-	17,226	-	636	-	811	636	2	-
	TOTAL		343	0	3,792	17,226	338	1,337	18	1,374	1,337	20	7

NOTE: PERIMETER EROSION BARRIER, SPECIAL AND TEMPORARY FENCE TO BE USED IN OR NEAR WETLAND AREAS PER LAKE COUNTY SMC ORDINANCE.

\*\*TOPSOIL FROM STOCKPILE TO BE RESPREAD AT DIRECTION OF THE ENGINEER.

TEMPORARY DITCH CHECKS			
STATION	OFFSET	TEMP DITCH CHECKS (FT)	PERMIABLE PLASTIC BERM (FT)
138+42.50	33.00' RT	14	16
138+57.31	36.10' LT	14	16
TOTAL		28	32

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
EROSION AND SEDIMENT CONTROL - STAGE 1**

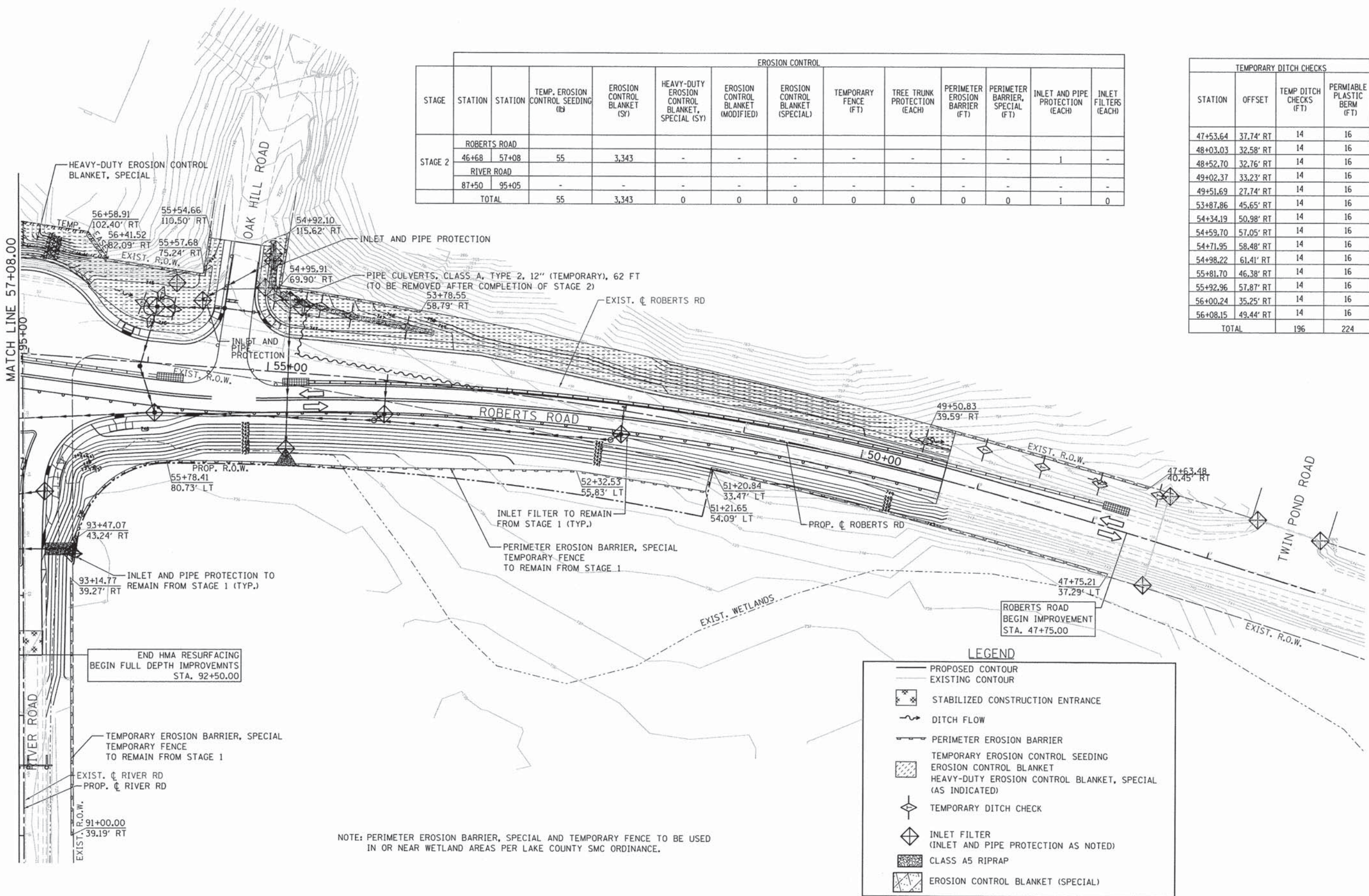
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F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 61
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



EROSION CONTROL													
STAGE	STATION	STATION	TEMP. EROSION CONTROL SEEDING (S)	EROSION CONTROL BLANKET (S)	HEAVY-DUTY EROSION CONTROL BLANKET, SPECIAL (S)	EROSION CONTROL BLANKET (MODIFIED)	EROSION CONTROL BLANKET (SPECIAL)	TEMPORARY FENCE (FT)	TREE TRUNK PROTECTION (EACH)	PERIMETER EROSION BARRIER (FT)	PERIMETER BARRIER, SPECIAL (FT)	INLET AND PIPE PROTECTION (EACH)	INLET FILTERS (EACH)
STAGE 2	ROBERTS ROAD												
	46+68	57+08	55	3,343	-	-	-	-	-	-	-	1	-
	RIVER ROAD												
	87+50	95+05	-	-	-	-	-	-	-	-	-	-	-
TOTAL			55	3,343	0	0	0	0	0	0	0	1	0

TEMPORARY DITCH CHECKS			
STATION	OFFSET	TEMP DITCH CHECKS (FT)	PERMIABLE PLASTIC BERM (FT)
47+53.64	37.74' RT	14	16
48+03.03	32.58' RT	14	16
48+52.70	32.76' RT	14	16
49+02.37	33.23' RT	14	16
49+51.69	27.74' RT	14	16
53+87.86	45.65' RT	14	16
54+34.19	50.98' RT	14	16
54+59.70	57.05' RT	14	16
54+71.95	58.48' RT	14	16
54+98.22	61.41' RT	14	16
55+81.70	46.38' RT	14	16
55+92.96	57.87' RT	14	16
56+00.24	35.25' RT	14	16
56+08.15	49.44' RT	14	16
TOTAL		196	224



NOTE: PERIMETER EROSION BARRIER, SPECIAL AND TEMPORARY FENCE TO BE USED IN OR NEAR WETLAND AREAS PER LAKE COUNTY SMC ORDINANCE.

FILE NAME = F:\1877-010 River Roberts Phase I\CAD\00 SHEETS\077-010-SHT\_EROS-ST02-01.dgn

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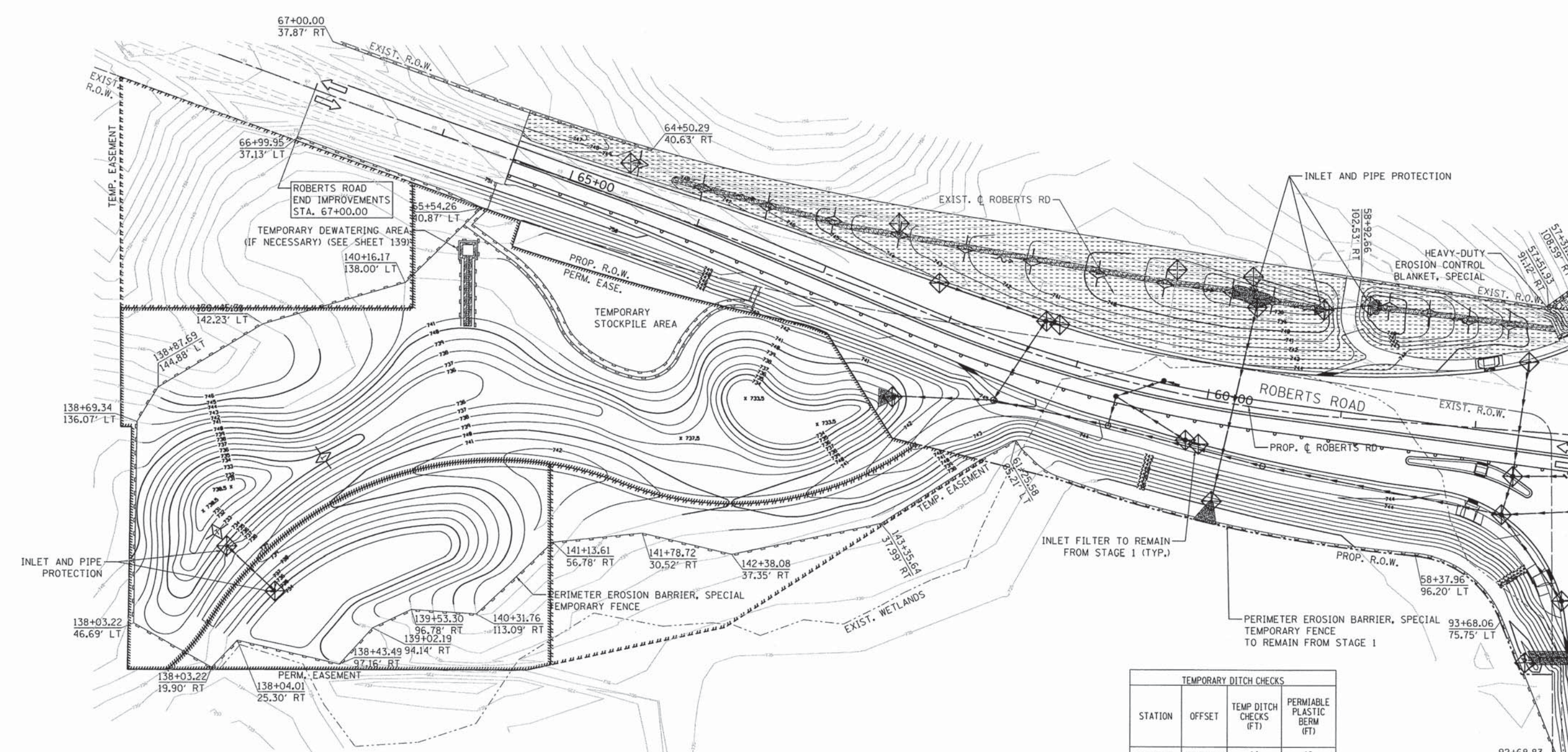
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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
EROSION AND SEDIMENT CONTROL - STAGE 2**

SCALE: 1"=40" SHEET 62 OF 183 SHEETS STA. 47+75.00 TO STA. 57+08.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	62
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- PROPOSED CONTOUR
- - - EXISTING CONTOUR
- ⊠ STABILIZED CONSTRUCTION ENTRANCE
- ~ DITCH FLOW
- PERIMETER EROSION BARRIER
- ▨ TEMPORARY EROSION CONTROL SEEDING
- ▩ EROSION CONTROL BLANKET
- ▧ HEAVY-DUTY EROSION CONTROL BLANKET, SPECIAL (AS INDICATED)
- ◇ TEMPORARY DITCH CHECK
- ◇ INLET FILTER (INLET AND PIPE PROTECTION AS NOTED)
- ▨ CLASS A5 RIPRAP
- ▩ EROSION CONTROL BLANKET (SPECIAL)

EROSION CONTROL													
STAGE	STATION	STATION	TEMP. EROSION CONTROL SEEDING (lb)	EROSION CONTROL BLANKET (SPECIAL) (SY)	HEAVY-DUTY EROSION CONTROL BLANKET, SPECIAL (SY)	EROSION CONTROL BLANKET (MODIFIED)	EROSION CONTROL BLANKET (SPECIAL)	TEMPORARY FENCE (FT)	TREE TRUNK PROTECTION (EACH)	PERIMETER EROSION BARRIER (FT)	PERIMETER BARRIER, SPECIAL (FT)	INLET AND PIPE PROTECTION (EACH)	INLET FILTERS (EACH)
STAGE 2	ROBERTS ROAD												
	57+08	67+00	89	3,818	-	-	-	-	-	-	-	4	1
	RIVER ROAD												
	87+50	95+05	-	-	-	-	-	-	-	-	-	-	-
FOREST PRESERVE													
			89	3,818	0	0	0	0	0	0	0	4	1

NOTE: PERIMETER EROSION BARRIER, SPECIAL AND TEMPORARY FENCE TO BE USED IN OR NEAR WETLAND AREAS PER LAKE COUNTY SMC ORDINANCE.

TEMPORARY DITCH CHECKS			
STATION	OFFSET	TEMP DITCH CHECKS (FT)	PERMIABLE PLASTIC BERM (FT)
57+80.44	77.65' RT	14	16
58+10.41	78.98' RT	14	16
58+40.25	82.09' RT	14	16
58+70.12	84.79' RT	14	16
59+62.81	80.08' RT	14	16
59+96.51	80.78' RT	14	16
60+50.66	77.15' RT	14	16
61+04.29	71.24' RT	14	16
61+57.42	64.34' RT	14	16
62+09.21	55.46' RT	14	16
62+57.95	46.76' RT	14	16
63+06.91	38.90' RT	14	16
63+55.99	31.34' RT	14	16
64+05.56	27.72' RT	14	16
64+55.32	28.97' RT	14	16
138+42.50	33.00' RT	14	16
138+57.30	36.10' LT	14	16
TOTAL		238	272

END HMA RESURFACING BEGIN FULL DEPTH IMPROVEMENTS STA. 92+50.00

FILE NAME: F:\N877-010 River Roberts\15\15000\_SHEETS\877-010\_SHT\_EROS\_0102\_02.dgn



USER NAME = #USER#	DESIGNED - GJE	REVISED -
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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
EROSION AND SEDIMENT CONTROL - STAGE 2**

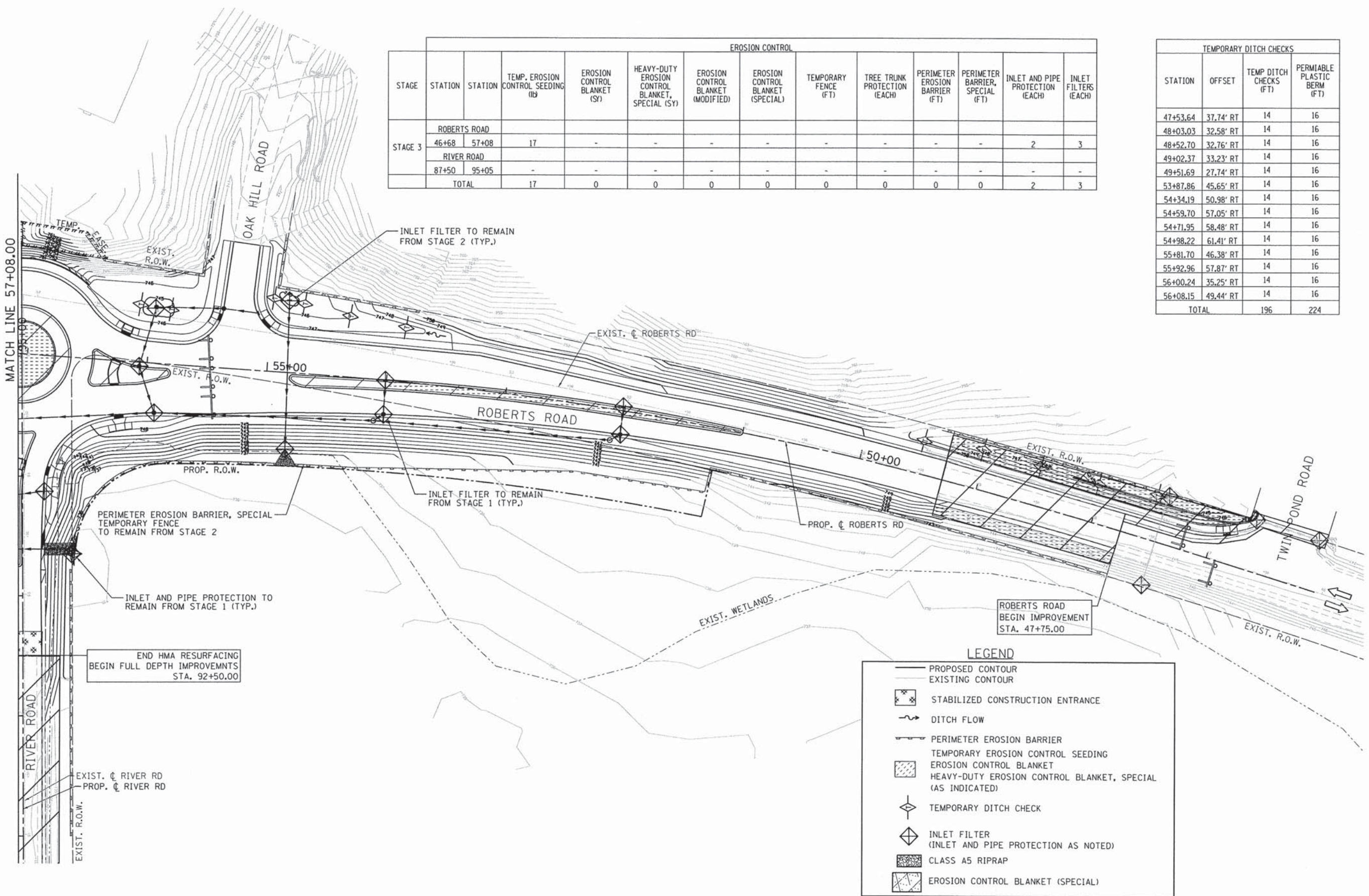
SCALE: 1"=40' SHEET 63 OF 183 SHEETS STA. 57+08.00 TO STA. 67+00.00

F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 63
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



EROSION CONTROL													
STAGE	STATION	STATION	TEMP. EROSION CONTROL SEEDING (lb)	EROSION CONTROL BLANKET (SY)	HEAVY-DUTY EROSION CONTROL BLANKET, SPECIAL (SY)	EROSION CONTROL BLANKET (MODIFIED)	EROSION CONTROL BLANKET (SPECIAL)	TEMPORARY FENCE (FT)	TREE TRUNK PROTECTION (EACH)	PERIMETER EROSION BARRIER (FT)	PERIMETER BARRIER, SPECIAL (FT)	INLET AND PIPE PROTECTION (EACH)	INLET FILTERS (EACH)
STAGE 3	ROBERTS ROAD												
	46+68	57+08	17	-	-	-	-	-	-	-	-	2	3
	RIVER ROAD												
	87+50	95+05	-	-	-	-	-	-	-	-	-	-	-
	TOTAL		17	0	0	0	0	0	0	0	0	2	3

TEMPORARY DITCH CHECKS			
STATION	OFFSET	TEMP DITCH CHECKS (FT)	PERMIABLE PLASTIC BERM (FT)
47+53.64	37.74' RT	14	16
48+03.03	32.58' RT	14	16
48+52.70	32.76' RT	14	16
49+02.37	33.23' RT	14	16
49+51.69	27.74' RT	14	16
53+87.86	45.65' RT	14	16
54+34.19	50.98' RT	14	16
54+59.70	57.05' RT	14	16
54+71.95	58.48' RT	14	16
54+98.22	61.41' RT	14	16
55+81.70	46.38' RT	14	16
55+92.96	57.87' RT	14	16
56+00.24	35.25' RT	14	16
56+08.15	49.44' RT	14	16
TOTAL		196	224



FILE NAME = F:\877-010 River Roberts Phase I\CAD\00\_SHEETS\877-010\_SHT\_EROS\_ST03.dwg

**Bollinger, Lach & Associates, Inc.**  
 ILLINOIS

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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
EROSION AND SEDIMENT CONTROL - STAGE 3**

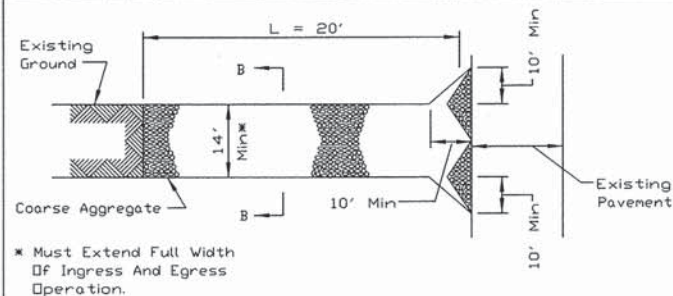
SCALE: 1"=40"    SHEET 64 OF 183 SHEETS    STA. 47+75.00 TO STA. 57+08.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	64
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

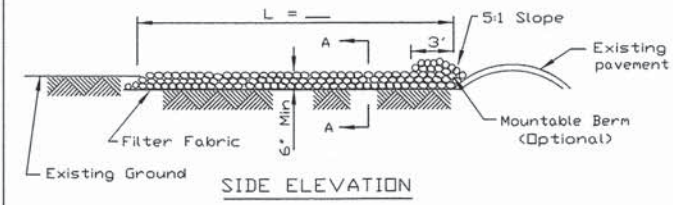




STABILIZED CONSTRUCTION ENTRANCE PLAN



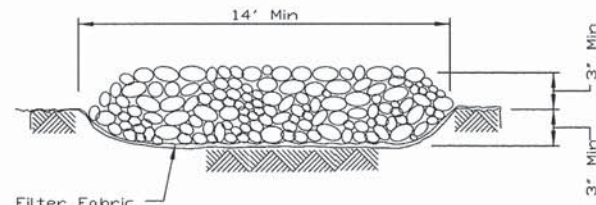
PLAN VIEW



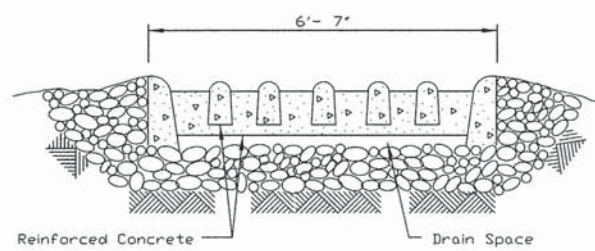
SIDE ELEVATION

- NOTES:
1. Filter fabric shall meet the requirements of material specifications established in Article 1080.03 of the Standard Specifications and shall be placed over the cleared area prior to the placing of rock.
  2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1 and be placed according to construction specification 25 RDCKFILL using placement Method 1 and Class III compaction.
  3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
  4. If wash racks are used they shall be installed according to the manufacturer's specifications.

STABILIZED CONSTRUCTION ENTRANCE PLAN

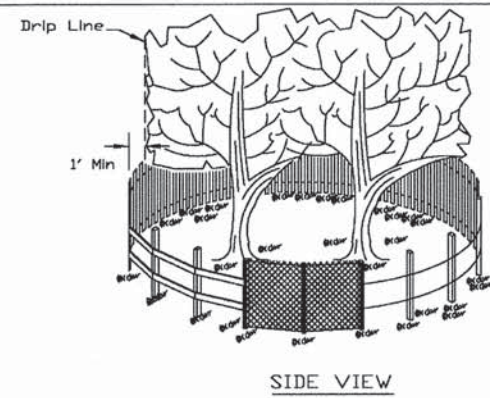


SECTION A-A

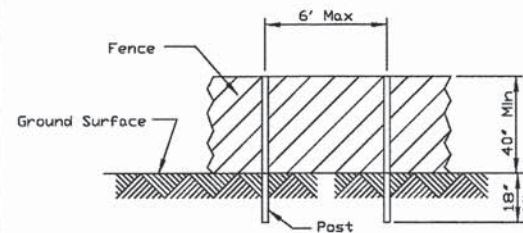


SECTION B-B

TREE PROTECTION - FENCING



SIDE VIEW



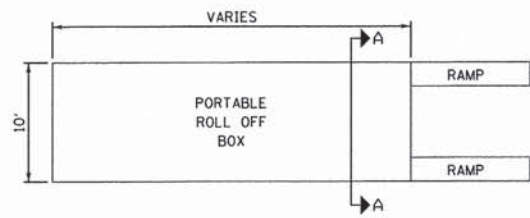
POST AND FENCE DETAIL

- NOTES:
1. The fence shall be located a minimum of 1 foot outside the drip line of the tree to be saved and in no case closer than 5 feet to the trunk of any tree.
  2. Fence posts shall be either standard steel posts or wood posts with a minimum cross sectional area of 3.0 sq. in.
  3. The fence may be either 40" high snow fence, 40" plastic web fencing or any other material as approved by the engineer/inspector.

SOIL PROTECTION CHART

STABILIZATION CHART	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
SEEDING, CLASS 5A	A		**	**	**			A				
SEEDING, CLASS 2A (MOD.)	B		**	**	**			B				
SEEDING, WET PRAIRIE	C		**	**	**			C				
EMERGENT/SHORELINE SEEDING MIX	D		**	**	**			D				
SEEDING, CLASS 5 (MOD.) MESIC PRAIRIE	E		**	**	**			B				

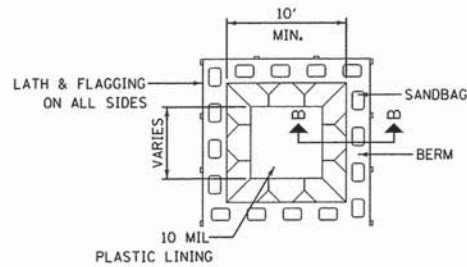
\*\* SUPPLEMENTAL WATERING AS NECESSARY TO ESTABLISH GROWTH  
REFER TO LANDSCAPE PLANS FOR SODDING & SEEDING LOCATIONS



PLAN VIEW



SECTION A-A



PLAN VIEW



SECTION B-B

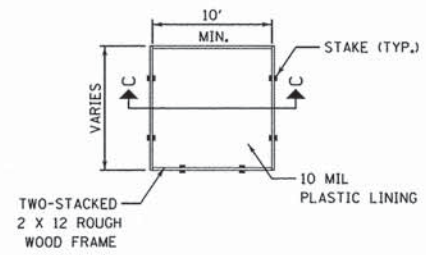
- NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
  2. OTHER WASHOUT DESIGNS MAY BE USED IF APPROVED BY THE ENGINEER.
  3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

NOT TO SCALE

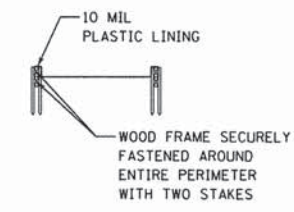
REVISIONS	DATE	APPROVED BY: MGZ	DATE: Mar ch 17, 2008

LakeCounty  
Division of Transportation

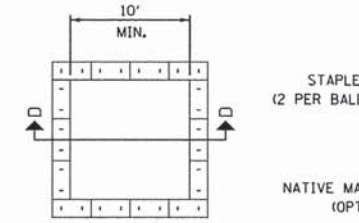
CONCRETE WASHOUT FACILITIES  
SHEET 1 OF 2



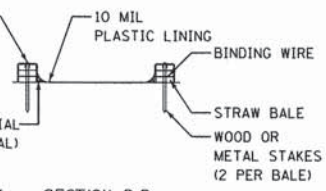
PLAN VIEW



SECTION C-C



PLAN VIEW



SECTION D-D

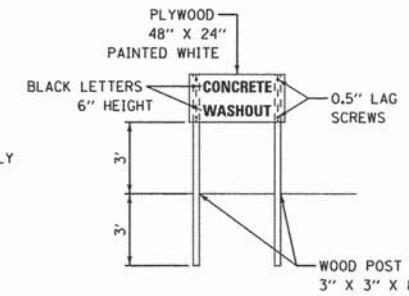
- NOTES:
1. ACTUAL LAYOUT DETERMINED IN FIELD.
  2. OTHER WASHOUT DESIGNS MAY BE USED IF APPROVED BY THE ENGINEER.
  3. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

NOT TO SCALE

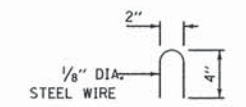
REVISIONS	DATE	APPROVED BY: MGZ	DATE: Mar ch 17, 2008

LakeCounty  
Division of Transportation

CONCRETE WASHOUT FACILITIES  
SHEET 2 OF 2



CONCRETE WASHOUT SIGN DETAIL (OR EQUIVALENT)



STAPLE DETAIL

FILE NAME: F:\977-010 River Roberts Phase I\CA000.SHEETS\977-010.EROSION\Detail.dwg

**Bollinger, Lach & Associates, Inc.**  
ITASCA, ILLINOIS

USER NAME = #USER#	DESIGNED - GJE	REVISED -
PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIVER ROAD AT ROBERTS ROAD  
EROSION AND SEDIMENT CONTROL DETAILS

SCALE: N.T.S. SHEET 66 OF 183 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	66

CONTRACT NO. 63875  
ILLINOIS FED. AID PROJECT

NOTE: ANY DRAIN TILES ENCOUNTERED DURING THE WORK WILL BE REPAIRED, REROUTED, OR CONNECTED TO THE STORM SEWER SYSTEM, AS APPROPRIATE, TO MAINTAIN DRAINAGE. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE TO WHICH THE DRAIN TILE IS TO BE CONNECTED TO. ANY EXPLORATION TRENCHES WILL BE PAID FOR AS EXPLORATION TRENCH 52" DEPTH. FOR EACH DRAIN TILE ENCOUNTERED, REPORT TO LAKE COUNTY SMC THE LOCATION, SIZE, MATERIAL, CONDITION, AMOUNT OF FLOW, DIRECTION OF FLOW, AND DEPTH OF FLOW.

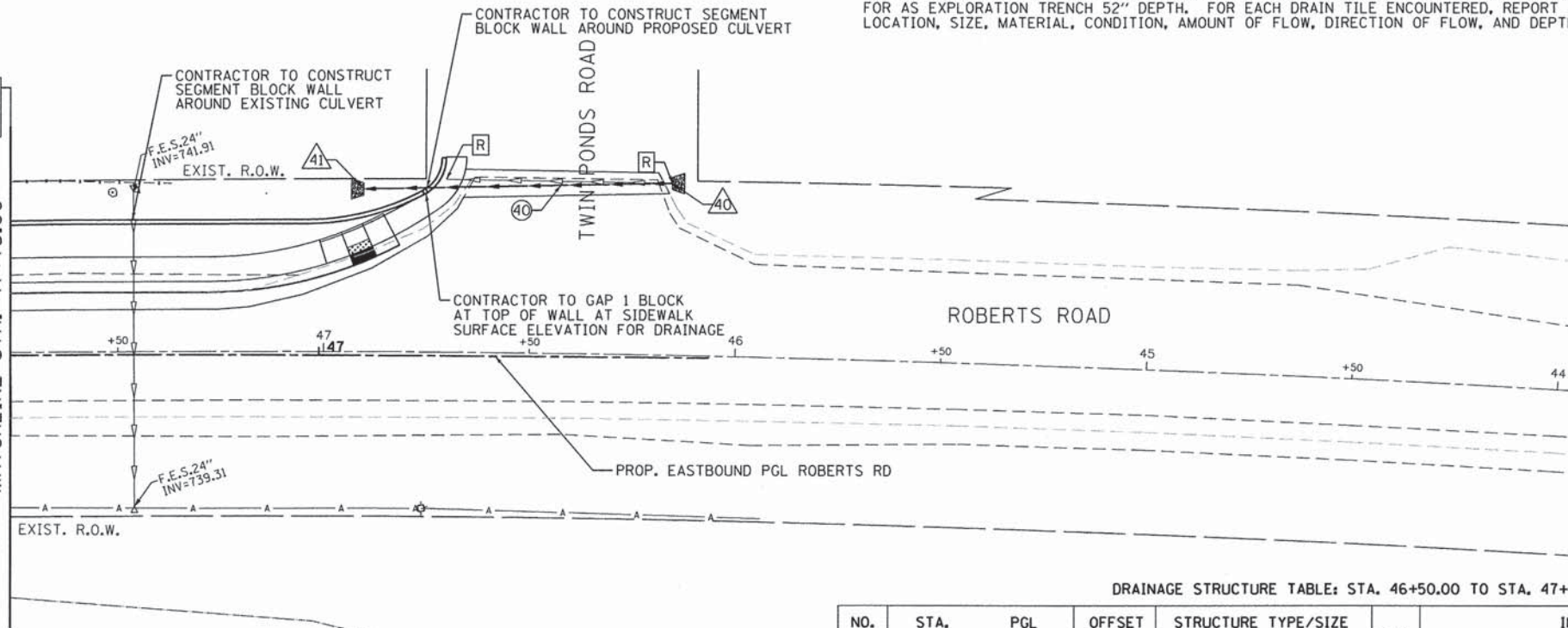
LEGEND

- REFER TO LIGHTING PLAN SHEETS 101-108
- PROPOSED STORM STRUCTURE
- PROPOSED STORM SEWER
- EXISTING STRUCTURE/GRATE TO BE ADJUSTED/RESET
- EXISTING STRUCTURE TO BE REMOVED (SHEETS 32-35)



ROBERTS ROAD  
BEGIN RESURFACING  
STA. 47+75.00

MATCHLINE STA. 47+75.00

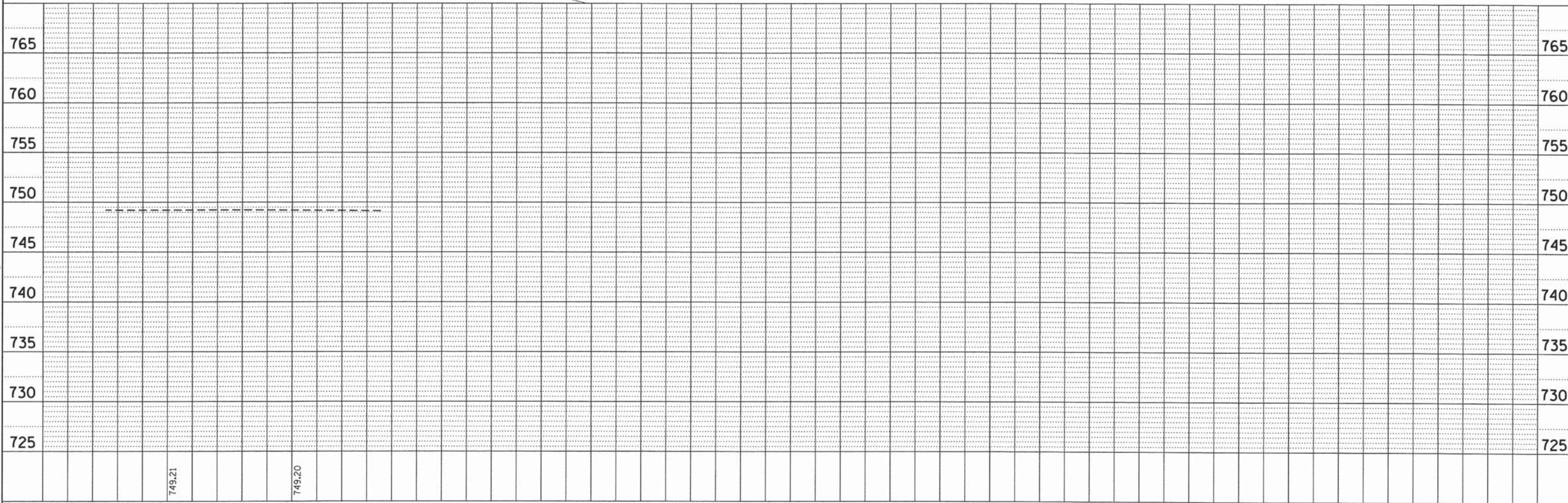


DRAINAGE STRUCTURE TABLE: STA. 46+50.00 TO STA. 47+75.00

NO.	STA.	PGL (ALGN)	OFFSET (FT)	STRUCTURE TYPE/SIZE		F&G	INVERT				RIM ELEV
				MHC	BIN		(N)	(S)	(E)	(W)	
40	46+14.40	EBPGL	42.40'RT						747.00		-
41	46+89.38	EBPGL	40.47'RT							745.50	-

PIPE TABLE: STA. 46+50.00 TO STA. 47+75.00

PIPE NO.	PIPE LOCATION		DESCRIPTION	DIA. (IN)	L (FT)	S (%)	TRENCH BACKFILL VOL. (CU. YD.)
	FROM STR.	TO STR.					
40	40	41	P CUL CL A TY 2	12	75	2.00	14.25



PLAN

DATE	
BY	
REVISIONS	
NO.	
FILE NAME	

PROFILE

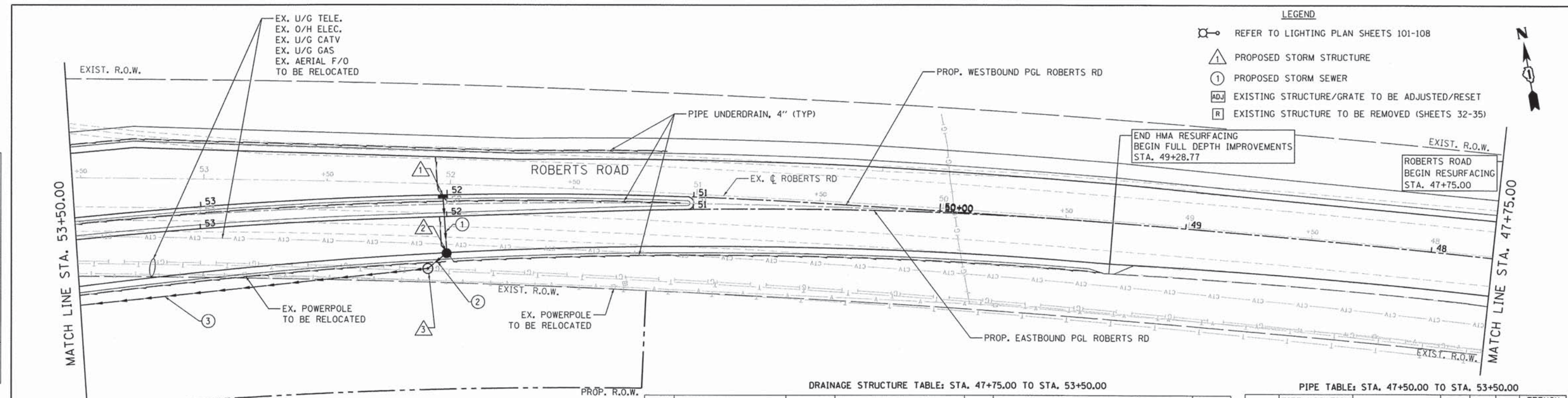
DATE	
BY	
REVISIONS	
NO.	
FILE NAME	

FILE NAME: F:\877-010 River Roberts Phase II\CADD SHEETS\877-010\_SHT\_DRAIN\_00.dgn

<p><b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS</p>	USER NAME = #USER# DESIGNED - GJE DRAWN - GJE CHECKED - DDB PLOT DATE = 11/6/2013	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ROBERTS ROAD</b> <b>DRAINAGE AND UTILITY PLAN</b>	F.A.U. RTE. 3704 SECTION 07-00086-08-CH COUNTY LAKE TOTAL SHEETS 183 SHEET NO. 67	CONTRACT NO. 63875 <small>ILLINOIS FED. AID PROJECT</small>
	SCALE: 1"=20' SHEET 67 OF 183 SHEETS STA. 47+75.00 TO STA. 46+00.00					

PLAN	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
NO.	ALIGNED CHECKED	
	FILED	
	NO.	
	DATE	

PROFILE	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	
	DATE	



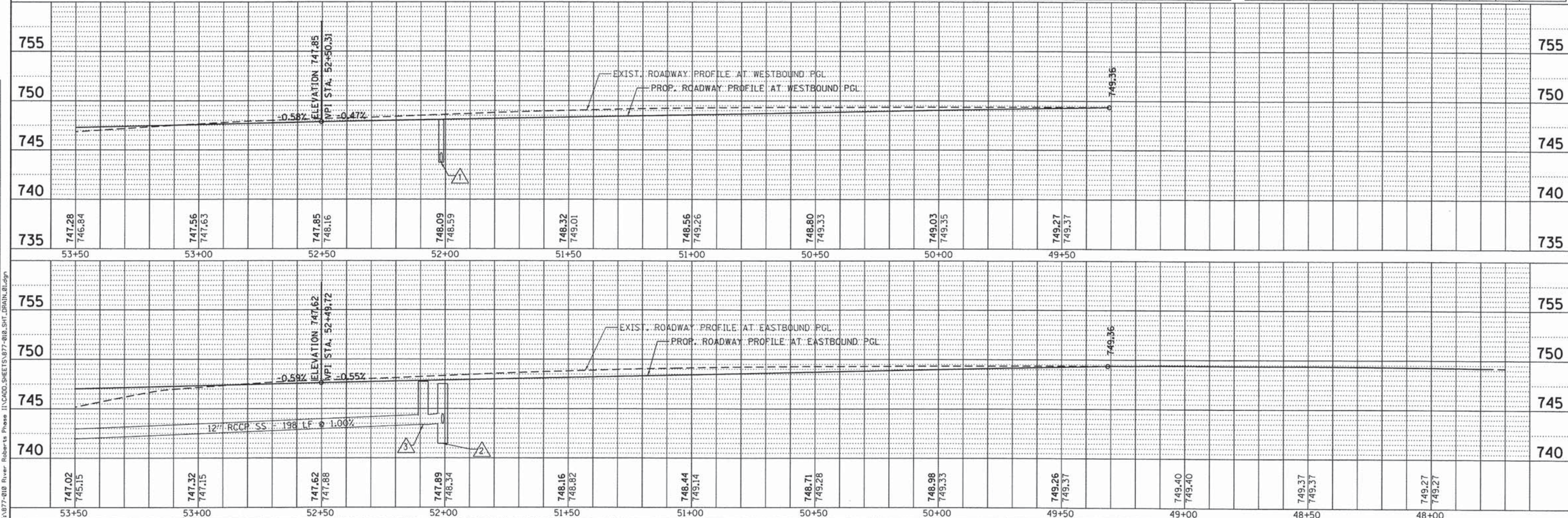
NOTE: ANY DRAIN TILES ENCOUNTERED DURING THE WORK WILL BE REPAIRED, REROUTED, OR CONNECTED TO THE STORM SEWER SYSTEM, AS APPROPRIATE, TO MAINTAIN DRAINAGE. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE TO WHICH THE DRAIN TILE IS TO BE CONNECTED TO. ANY EXPLORATION TRENCHES WILL BE PAID FOR AS EXPLORATION TRENCH 52" DEPTH. FOR EACH DRAIN TILE ENCOUNTERED, REPORT TO LAKE COUNTY SMC THE LOCATION, SIZE, MATERIAL, CONDITION, AMOUNT OF FLOW, DIRECTION OF FLOW, AND DEPTH OF FLOW.

DRAINAGE STRUCTURE TABLE: STA. 47+75.00 TO STA. 53+50.00

NO.	STA.	PGL (ALGN)	OFFSET (FT)	STRUCTURE TYPE/SIZE		F&G	INVERT				RIM ELEV
				MH/CB	IN		(N)	(S)	(E)	(W)	
1	52+01.70	WBPGL	0.67'LT		A	11		743.71			748.08
2	52+00.45	EBPGL	14.70'LT	A4	RD W/FLAT TOP	24		743.47	743.47		747.51
3	52+08.35	EBPGL	20.86'LT	A4	RD W/FLAT TOP	1 CL		743.37		743.37	747.75

PIPE TABLE: STA. 47+50.00 TO STA. 53+50.00

PIPE NO.	PIPE LOCATION		DESCRIPTION	DIA. (IN)	L (FT)	S (%)	TRENCH BACKFILL VOL. (CU. YD.)
	FROM STR.	TO STR.					
1	1	2	SS CL A TY 2	12	24	1.00	-
2	2	3	SS CL A TY 2	12	10	1.00	-
3	3	6	SS CL A TY 2	12	198	1.00	-

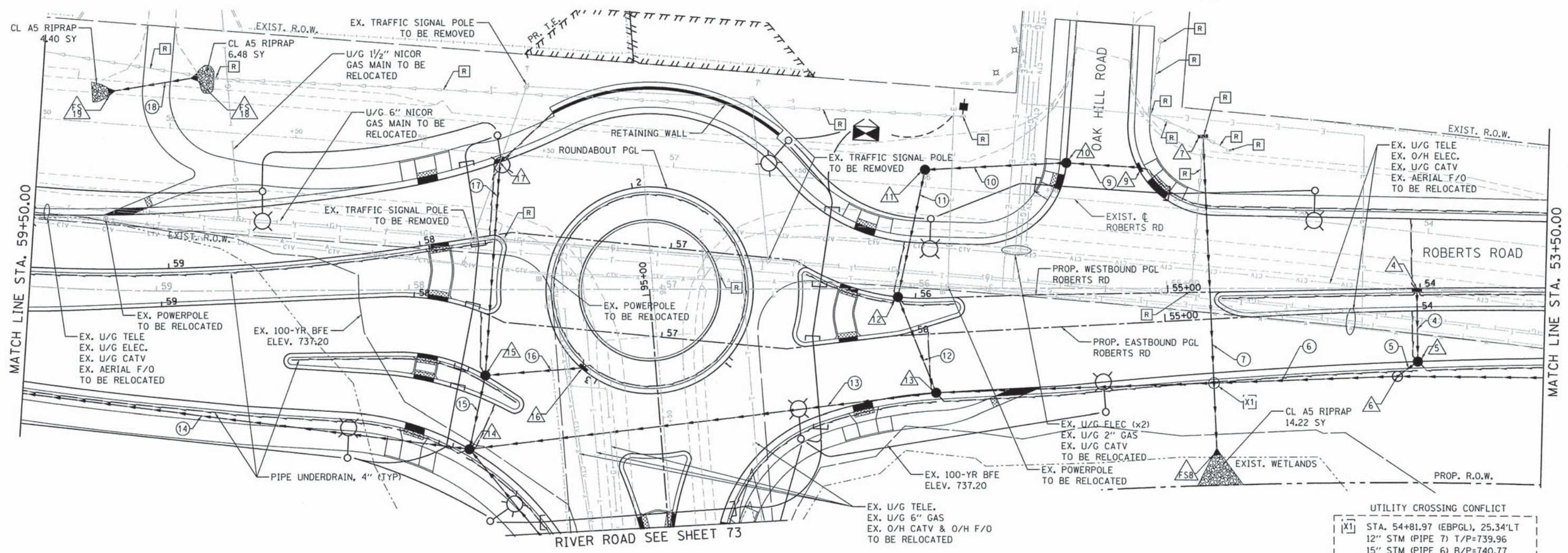


FILE NAME: F:\977-010 River Roberts Phase II\CADD SHEETS\977-010\_SHT\_DRAIN.dwg

<b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS	USER NAME = #USER# DESIGNED - GJE DRAWN - GJE CHECKED - DDB DATE - 11/08/2013	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ROBERTS ROAD</b> <b>DRAINAGE AND UTILITIES PLAN</b>	F.A.U. RTE. 3704 SECTION 07-00086-08-CH COUNTY LAKE TOTAL SHEETS 183 SHEET NO. 68	CONTRACT NO. 63875 ILLINOIS FED. AID PROJECT
	PLOT SCALE = #SCALE# PLOT DATE = 11/6/2013	SCALE: 1"=20' SHEET 68 OF 183 SHEETS STA. 47+75.00 TO STA. 53+50.00				

LAKE COUNTY HAS ADOPTED THE LATEST REVISION TO THE FEMA FLOOD INSURANCE STUDY (FIS) INCLUDING THE NEW DIGITAL FIRMS. THE FORMULA FOR CONVERTING FROM THE 1929 DATUM TO THE 1988 DATUM FOR THE FOX RIVER WATERSHED IS NGVD29 - 0.221 = NAVD88.

- LEGEND**
- REFER TO LIGHTING PLAN SHEETS 101-108
  - PROPOSED STORM STRUCTURE
  - PROPOSED STORM SEWER
  - EXISTING STRUCTURE/GRATE TO BE ADJUSTED/RESET
  - EXISTING STRUCTURE TO BE REMOVED (SHEETS 32-35)
  - UTILITY CROSSING CONFLICT



DRAINAGE STRUCTURE TABLE: STA. 53+50.00 TO STA. 59+50.00

NO.	STA.	PGL (ALGN)	OFFSET (FT)	STRUCTURE TYPE/SIZE		F&G	INVERT				RIM ELEV	
				MH/CB IN	OTHER		(N)	(S)	(E)	(W)		
4	54+01.41	WBPGL	0.00'RT		A	11		741.78				746.96
5	54+00.09	EBPGL	20.04'LT	A4	RD W/FLAT TOP	24	741.49	741.49	SW			746.21
6	54+08.40	EBPGL	24.75'LT	A4	RD W/FLAT TOP	1 CL	741.39	NE		741.39	741.14	746.55
7	54+84.85	WBPGL	61.89'RT		A	8		739.50				744.75
FS8	54+82.25	EBPGL	52.78'LT		PRC FES 12"	-	738.50					-
9	55+10.83	WBPGL	49.55'RT		A	1 OL					742.43	746.16
10	55+39.24	WBPGL	52.12'RT	A4	RD W/FLAT TOP	1 OL			742.14	742.14		745.98
11	55+95.41	WBPGL	51.99'RT	A4	RD W/FLAT TOP	8		741.58	741.58			744.75
12	56+06.93	WBPGL	0.00'RT	A4	RD W/FLAT TOP	11	741.06	741.06	SE			745.78
13	55+92.07	EBPGL	23.40'LT	A4	RD W/FLAT TOP	24	740.65	NW	740.40	740.15		745.10
14	2+87.17	RBT	53.97'RT	A5	RD W/FLAT TOP	24	740.09	739.09	SE	739.59	739.09	743.66
15	2+77.17	RBT	32.24'RT	A4	RD W/FLAT TOP	11	740.24	740.24	740.24			744.14
16	2+93.06	RBT	0.00'RT		A	24**					740.44	744.01
17	2+28.44	RBT	37.07'RT		A	24		740.67				744.68
FS18	58+86.41	WBPGL	75.28'RT		PRC FES 12"	-					738.50	-
FS19	59+23.26	WBPGL	70.47'RT		PRC FES 12"	-				738.00		-

\*\*ROLLED FRAME & GRATE

PIPE TABLE: STA. 53+50.00 TO STA. 59+50.00

PIPE NO.	PIPE LOCATION		DESCRIPTION	DIA. (IN)	L (FT)	S (%)	TRENCH BACKFILL VOL. (CU. YD.)
	FROM STR.	TO STR.					
4	4	5	SS CL A TY 2	12	29	1.00	-
5	5	6	SS CL A TY 2	12	10	1.00	-
6	6	13	SS CL A TY 2	15	183	0.40	-
7	7	FS8	SS CL A TY 2	12	126	0.80	-
9	9	10	SS CL A TY 2	12	29	1.00	3.57
10	10	11	SS CL A TY 2	12	56	1.00	0.79
11	11	12	SS CL A TY 2	12	52	1.00	-
12	12	13	SS CL A TY 2	12	41	1.00	-
13	13	14	SS CL A TY 2	18	186	0.30	-
14	14	24	SS CL A TY 2	24	181	0.21	-
15	15	14	SS CL A TY 2	12	30	0.50	-
16	16	15	SS CL A TY 2	12	39	0.51	-
17	17	15	SS CL A TY 2	12	86	0.50	-
18	FS18	FS19	P CUL CL A TY 2	12	36	1.39	1.68

NOTE: ANY DRAIN TILES ENCOUNTERED DURING THE WORK WILL BE REPAIRED, REROUTED, OR CONNECTED TO THE STORM SEWER SYSTEM, AS APPROPRIATE, TO MAINTAIN DRAINAGE. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE TO WHICH THE DRAIN TILE IS TO BE CONNECTED TO. ANY EXPLORATION TRENCHES WILL BE PAID FOR AS EXPLORATION TRENCH 52" DEPTH. FOR EACH DRAIN TILE ENCOUNTERED, REPORT TO LAKE COUNTY SMC THE LOCATION, SIZE, MATERIAL, CONDITION, AMOUNT OF FLOW, DIRECTION OF FLOW, AND DEPTH OF FLOW.

FILE NAME = F:\B77-010 River-Roberts Phase I\CAD\00\_SHEETS\B77-010\_SHT\_DRAIN\_02\_PLN.dgn



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PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

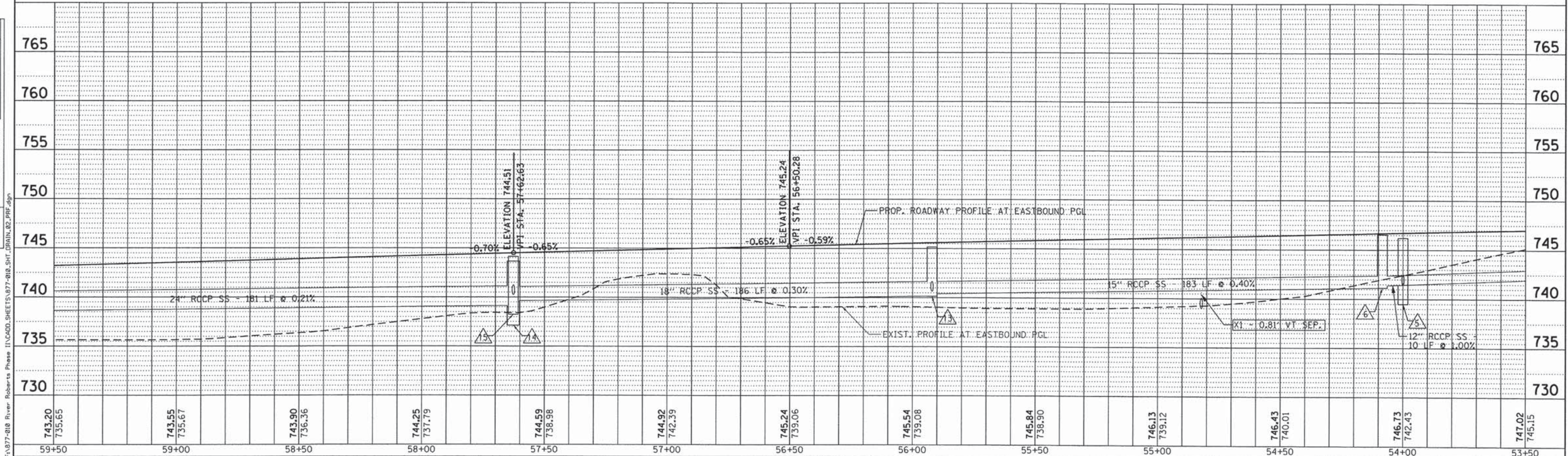
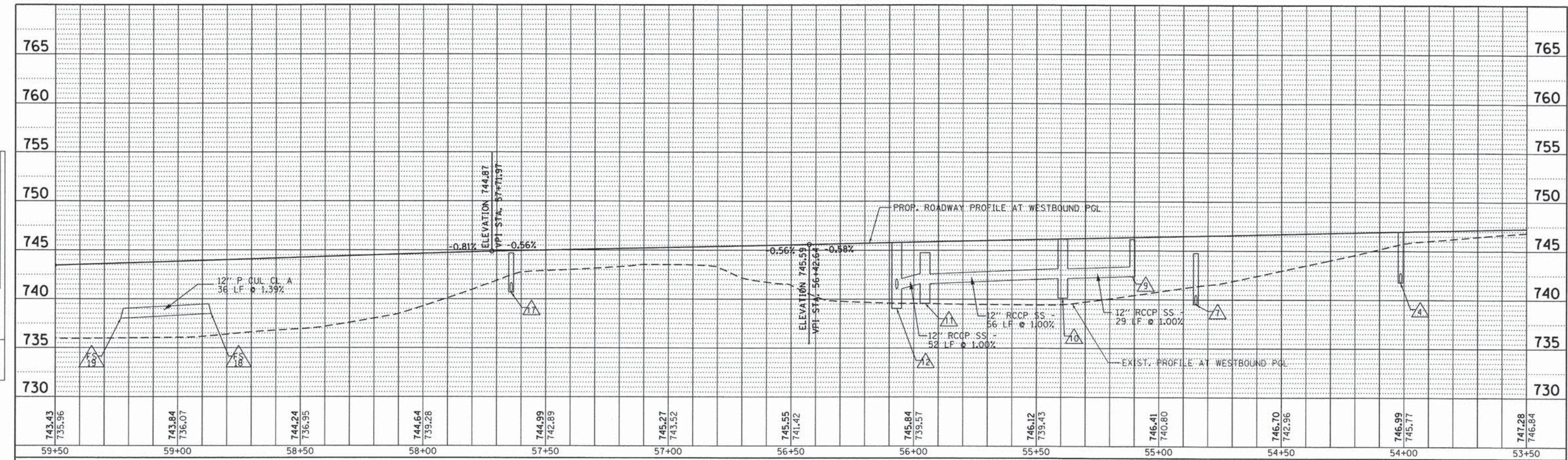
**ROBERTS ROAD  
DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20"    SHEET 69 OF 183 SHEETS    STA. 53+50.00 TO STA. 59+50.00

F-AJ RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 69
CONTRACT NO. 63875				
[ILLINOIS] FED. AID PROJECT				

PLAN	REVISION	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	STRUCTURE		
	NOTATIONS		
	CHKD FILE NAME		

PROFILE	REVISION	BY	DATE
NOTE BOOK	GRADES CHECKED		
NO.	STRUCTURE		
	NOTATIONS		
	CHKD FILE NAME		



743.43 735.96	743.84 736.07	744.24 736.95	744.64 739.28	744.99 742.89	745.27 743.52	745.55 741.42	745.84 739.57	746.12 739.43	746.41 740.80	746.70 742.96	746.99 745.77	747.28 746.84
59+50	59+00	58+50	58+00	57+50	57+00	56+50	56+00	55+50	55+00	54+50	54+00	53+50

743.20 735.65	743.55 735.67	743.90 736.36	744.25 737.79	744.59 738.98	744.92 742.39	745.24 739.06	745.54 739.08	745.84 738.90	746.13 739.12	746.43 740.01	746.73 742.45	747.02 745.15
59+50	59+00	58+50	58+00	57+50	57+00	56+50	56+00	55+50	55+00	54+50	54+00	53+50

**Bollinger, Lach & Associates, Inc.**  
ITASCA, ILLINOIS

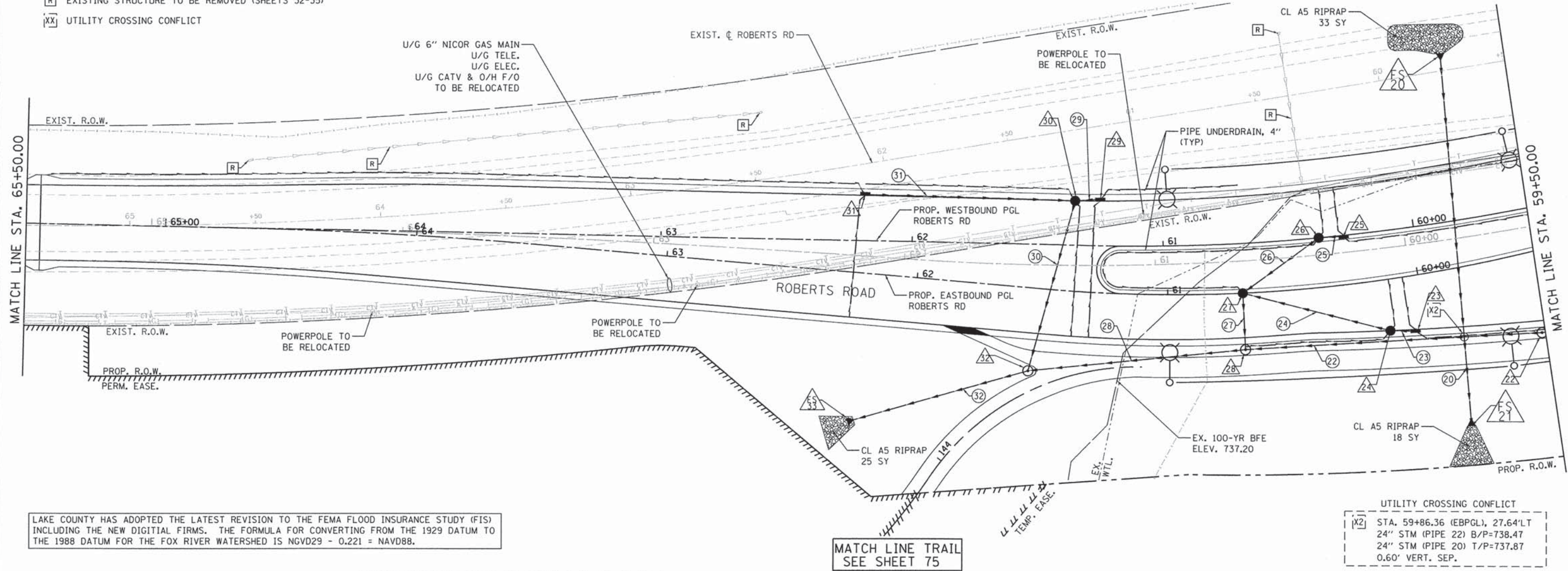
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PLOT DATE = 11/6/2013	CHECKED - DDB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ROBERTS ROAD DRAINAGE AND UTILITIES PROFILE</b>	
SCALE: 1"=20'	SHEET 70 OF 184 SHEETS STA. 53+50.00 TO STA. 59+50.00

F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 70
CONTRACT NO. 63875			ILLINOIS FED. AID PROJECT	

- LEGEND**
- ⊗ REFER TO LIGHTING PLAN SHEETS 101-108
  - △ PROPOSED STORM STRUCTURE
  - ① PROPOSED STORM SEWER
  - ADJ EXISTING STRUCTURE/GRATE TO BE ADJUSTED/RESET
  - R EXISTING STRUCTURE TO BE REMOVED (SHEETS 32-35)
  - XX UTILITY CROSSING CONFLICT



LAKE COUNTY HAS ADOPTED THE LATEST REVISION TO THE FEMA FLOOD INSURANCE STUDY (FIS) INCLUDING THE NEW DIGITAL FIRMS. THE FORMULA FOR CONVERTING FROM THE 1929 DATUM TO THE 1988 DATUM FOR THE FOX RIVER WATERSHED IS  $NGVD29 - 0.221 = NAVD88$ .

UTILITY CROSSING CONFLICT  
 X2 STA. 59+86.36 (EBPGL), 27.64'LT  
 24" STM (PIPE 22) B/P=738.47  
 24" STM (PIPE 20) T/P=737.87  
 0.60' VERT. SEP.

DRAINAGE STRUCTURE TABLE: STA. 59+50.00 TO STA. 65+50.00

NO.	STA.	PGL (ALGN)	OFFSET (FT)	STRUCTURE TYPE/SIZE		F&G	INVERT			RIM ELEV			
				MH/CB	IN		OTHER	(N)	(S)		(E)	(W)	
20	59+78.06	WB PGL	66.25'RT			PRC FES 24"	-		736.10				
21	59+89.53	EB PGL	61.92'LT			PRC FES 24"	-		735.60				
22	59+57.13	EB PGL	32.34'LT	A5		RD W/FLAT TOP	1 CL				738.71	738.71	743.40
23	60+04.23	EB PGL	21.45'LT		A			24				739.09	742.77
24	60+13.84	EB PGL	20.45'LT	A4		RD W/FLAT TOP	24	738.99 NW				738.99	742.77
25	60+27.97	WB PGL	0.00'RT		A			11				739.16	743.08
26	60+37.97	WB PGL	0.00'RT	A4		RD W/FLAT TOP	11		739.06 SW	739.06			743.08
27	60+70.04	EB PGL	0.00'LT	A4		RD W/FLAT TOP	11	738.68 NE	738.68	738.68 SE			743.18
28	60+70.01	EB PGL	22.59'LT	A5			1 CL	738.44		738.44		738.44	743.90
29	61+25.30	WB PGL	17.83'RT		A			24				739.34	742.83
30	61+35.35	WB PGL	17.69'RT	A4		RD W/FLAT TOP	24		739.24 SW	739.24	739.24		742.83
31	62+19.17	WB PGL	18.02'RT		A			24			741.09		743.64
32	61+52.88	EB PGL	33.12'LT	A5			1 CL	738.26	738.25 SW	738.26			745.00
33	62+22.16	EB PGL	59.32'LT			PRC FES 24"	-		738.00 NE				

PIPE TABLE: STA. 59+50.00 TO STA. 65+50.00

PIPE NO.	PIPE LOCATION		DESCRIPTION	DIA. (IN)	L (FT)	S (%)	TRENCH BACKFILL VOL. (CU. YD.)
	FROM STR.	TO STR.					
20	20	21	SS CL A TY 2	24	149	0.34	-
22	22	28	SS CL A TY 2	24	118	0.22	-
23	23	24	SS CL A TY 2	12	10	1.00	-
24	24	27	SS CL A TY 2	12	61	0.51	-
25	25	26	SS CL A TY 2	12	10	1.00	-
26	26	27	SS CL A TY 2	12	38	1.00	-
27	27	28	SS CL A TY 2	12	23	1.04	-
28	28	32	SS CL A TY 2	24	88	0.22	29.44
29	29	28	SS CL A TY 2	12	10	1.00	0.90
30	30	32	SS CL A TY 2	12	71	1.38	17.99
31	31	30	SS CL A TY 2	12	84	2.20	3.53
32	32	FS33	SS CL A TY 2	24	75	0.35	-

NOTE: ANY DRAIN TILES ENCOUNTERED DURING THE WORK WILL BE REPAIRED, REROUTED, OR CONNECTED TO THE STORM SEWER SYSTEM, AS APPROPRIATE, TO MAINTAIN DRAINAGE. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE TO WHICH THE DRAIN TILE IS TO BE CONNECTED TO. ANY EXPLORATION TRENCHES WILL BE PAID FOR AS EXPLORATION TRENCH 52" DEPTH. FOR EACH DRAIN TILE ENCOUNTERED, REPORT TO LAKE COUNTY SMC THE LOCATION, SIZE, MATERIAL, CONDITION, AMOUNT OF FLOW, DIRECTION OF FLOW, AND DEPTH OF FLOW.

FILE NAME: F:\B77-918 River Roberts Phase II\CAD\00\_SHEETS\B77-918\_SHT\_DRAIN\_03\_PLN.dgn



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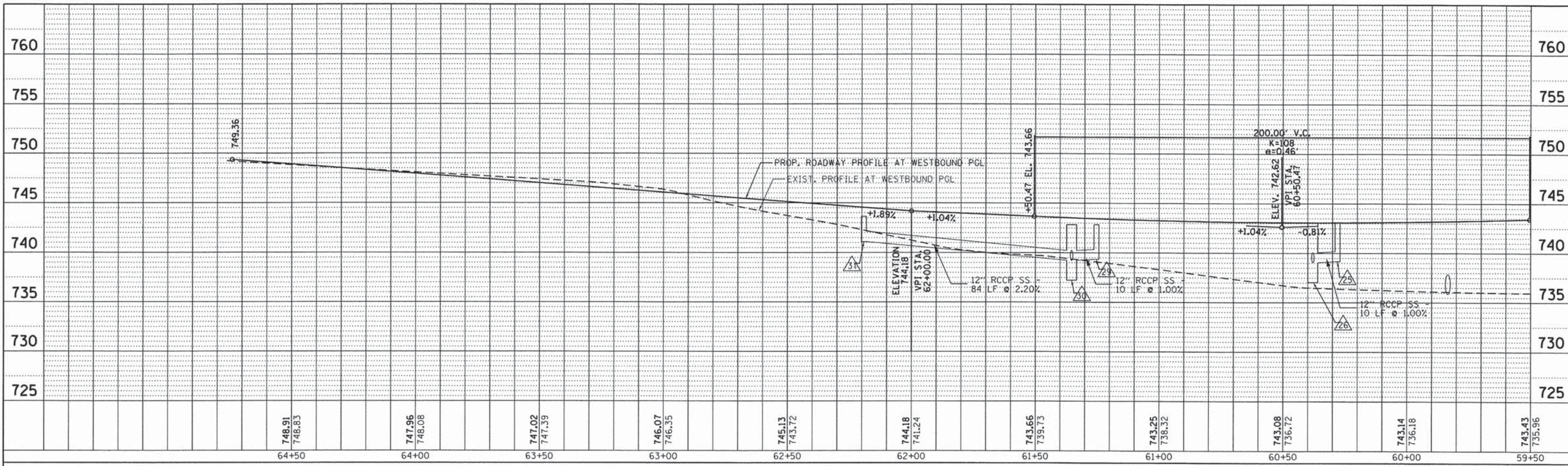
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROBERTS ROAD  
 DRAINAGE AND UTILITIES PLAN

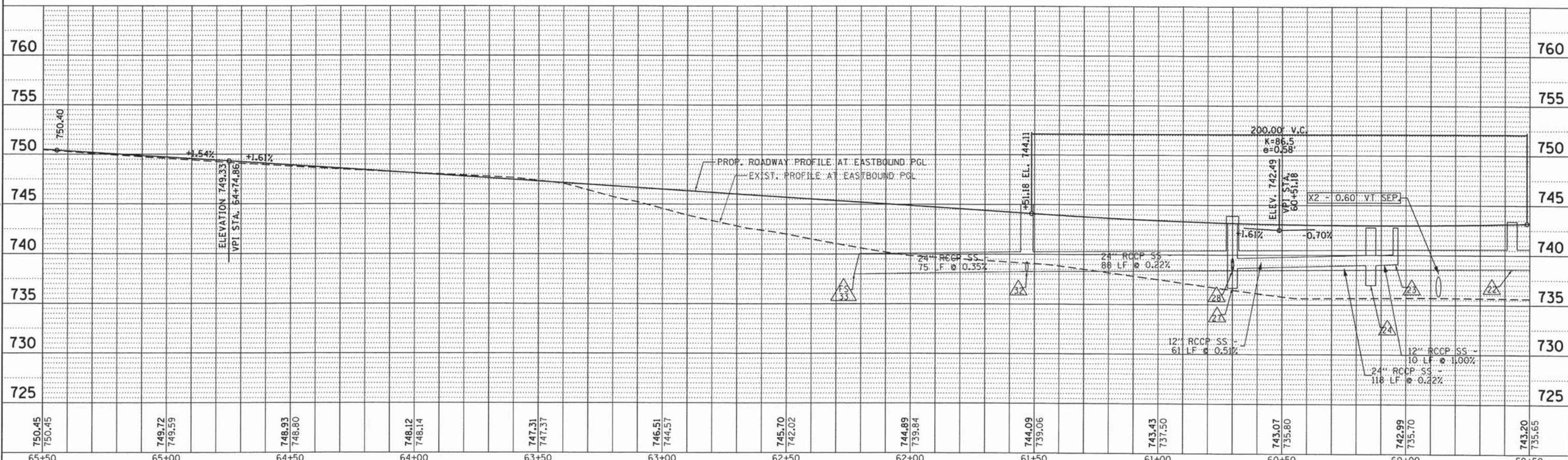
SCALE: 1"=20" SHEET 71 OF 183 SHEETS STA. 59+50.00 TO STA. 65+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	71
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

PLAN	SUBMITTED	BY	DATE
	PLOTTED		
	NOTED		
	NO. OF		
	FILE NAME		



PROFILE	SUBMITTED	BY	DATE
	PLOTTED		
	NOTED		
	NO. OF		
	FILE NAME		



750.45	749.72	748.93	748.12	747.31	746.51	745.70	744.89	744.09	743.43	743.07	742.99	743.20
750.45	749.59	748.80	748.14	747.37	746.57	742.02	739.84	739.06	737.50	735.80	735.70	735.65
65+50	65+00	64+50	64+00	63+50	63+00	62+50	62+00	61+50	61+00	60+50	60+00	59+50

**Bollinger, Lach & Associates, Inc.**  
ITASCA, ILLINOIS

USER NAME = #USER#	DESIGNED - GJE	REVISED -
DRAWN - GJE	CHECKED - DDB	REVISED -
DATE - 11/08/2013		REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=20'	SHEET 72 OF 184 SHEETS	STA. 59+50.00 TO STA. 65+50.00
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F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 72
CONTRACT NO. 63875			ILLINOIS FED. AID PROJECT	





PIPE TABLE: STA. 91+00.00 TO 95+02.20

PIPE NO.	PIPE LOCATION		DESCRIPTION	DIA. (IN)	L (FT)	S (%)	TRENCH BACKFILL VOL. (CU. YD.)
	FROM STR.	TO STR.					
34	34	35	SS CL A TY 2	12	50	0.50	-
35	35	14	SS CL A TY 2	12	78	0.50	-
36	36	37	P CUL CL A TY 2	42	88	0.27	-

EX. U/G TELE.  
EX. O/H CATV  
EX. O/H F/O  
EX. U/G GAS MAIN  
TO BE RELOCATED

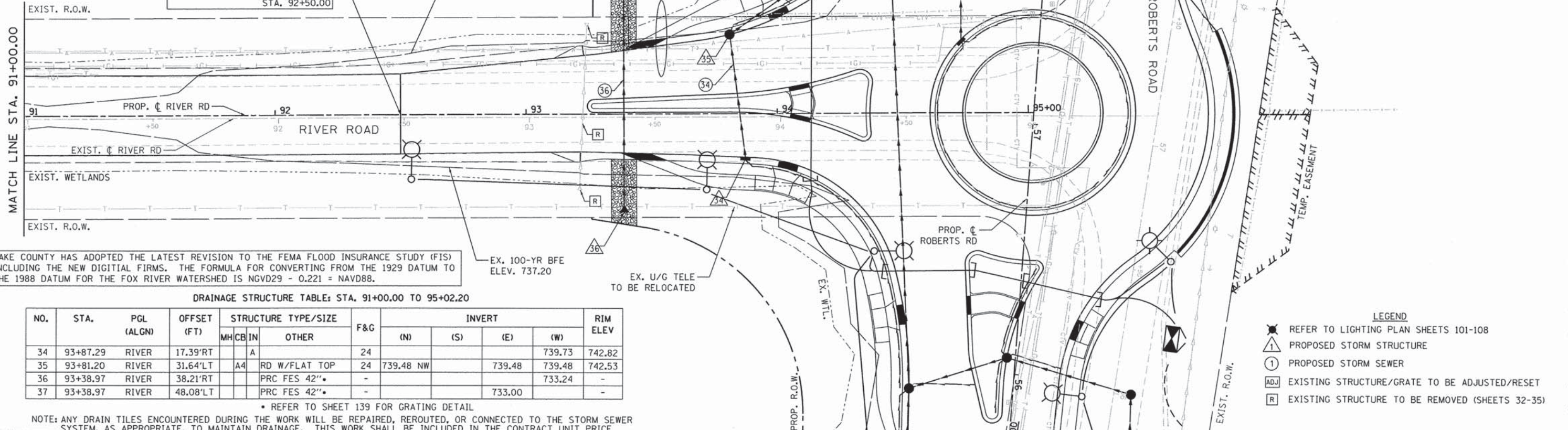
EX. POWERPOLE  
TO BE RELOCATED

EX. 100-YR BFE  
ELEV. 737.20

PIPE UNDERDRAIN, 4"  
(TYP)

END HMA RESURFACING  
BEGIN FULL DEPTH IMPROVEMENTS  
STA. 92+50.00

MATCH LINE STA. 91+00.00



LAKE COUNTY HAS ADOPTED THE LATEST REVISION TO THE FEMA FLOOD INSURANCE STUDY (FIS) INCLUDING THE NEW DIGITAL FIRMS. THE FORMULA FOR CONVERTING FROM THE 1929 DATUM TO THE 1988 DATUM FOR THE FOX RIVER WATERSHED IS NAVD29 - 0.221 = NAVD88.

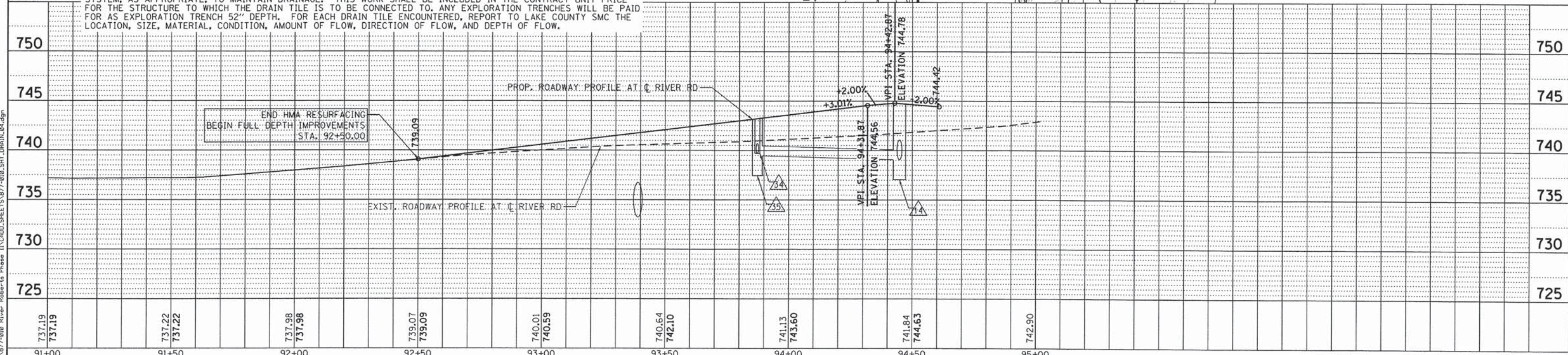
DRAINAGE STRUCTURE TABLE: STA. 91+00.00 TO 95+02.20

NO.	STA.	PGL (ALGN)	OFFSET (FT)	STRUCTURE TYPE/SIZE		F&G	INVERT				RIM ELEV
				MH/CB	IN/OTHER		(N)	(S)	(E)	(W)	
34	93+87.29	RIVER	17.39'RT		A	24				739.73	742.82
35	93+81.20	RIVER	31.64'LT	A4	RD W/FLAT TOP	24	739.48	NW		739.48	742.53
36	93+38.97	RIVER	38.21'RT		PRC FES 42"*	-				733.24	-
37	93+38.97	RIVER	48.08'LT		PRC FES 42"*	-				733.00	-

\* REFER TO SHEET 139 FOR GRATING DETAIL

NOTE: ANY DRAIN TILES ENCOUNTERED DURING THE WORK WILL BE REPAIRED, REROUTED, OR CONNECTED TO THE STORM SEWER SYSTEM, AS APPROPRIATE, TO MAINTAIN DRAINAGE. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE TO WHICH THE DRAIN TILE IS TO BE CONNECTED TO. ANY EXPLORATION TRENCHES WILL BE PAID FOR AS EXPLORATION TRENCH 52" DEPTH. FOR EACH DRAIN TILE ENCOUNTERED, REPORT TO LAKE COUNTY SMC THE LOCATION, SIZE, MATERIAL, CONDITION, AMOUNT OF FLOW, DIRECTION OF FLOW, AND DEPTH OF FLOW.

- LEGEND
- REFER TO LIGHTING PLAN SHEETS 101-108
  - PROPOSED STORM STRUCTURE
  - PROPOSED STORM SEWER
  - EXISTING STRUCTURE/GRATE TO BE ADJUSTED/RESET
  - EXISTING STRUCTURE TO BE REMOVED (SHEETS 32-35)



PLAN

DATE	
BY	
NO.	
FILE NAME	

PROFILE

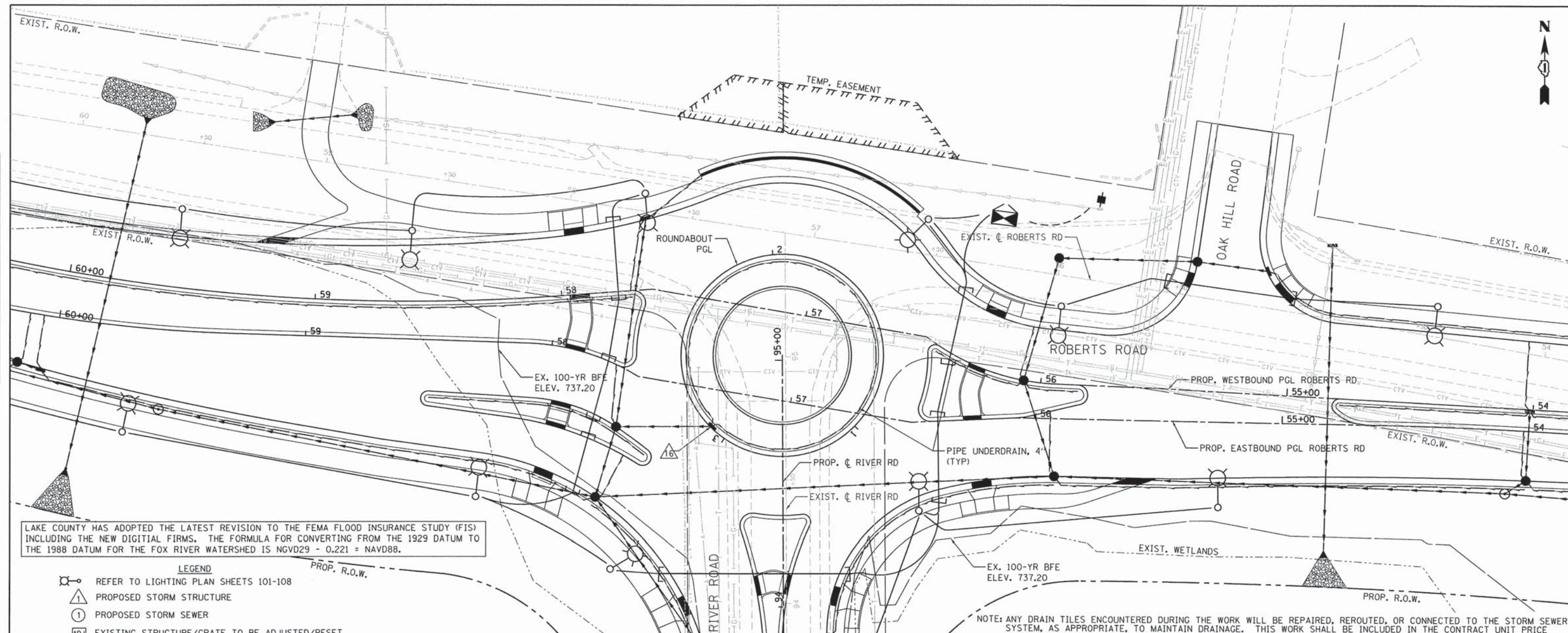
DATE	
BY	
NO.	
FILE NAME	

FILE NAME = F:\877-010 River Roberts Phase II\CADD\SHEETS\877-010-SHT\_DRAIN\_04.dgn

<p><b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS</p>	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<p><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p>	<p><b>RIVER ROAD</b> <b>DRAINAGE AND UTILITIES PLAN</b></p>		F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 73		
	PLOT SCALE = #SCALE#	CHECKED - DDB	REVISED -		SCALE: 1"=20'		SHEET 73 OF 183 SHEETS		STA. 91+00.00 TO STA. 95+02.20		CONTRACT NO. 63875		
	PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -		ILLINOIS FED. AID PROJECT								

PLAN	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
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	FILE NAME	

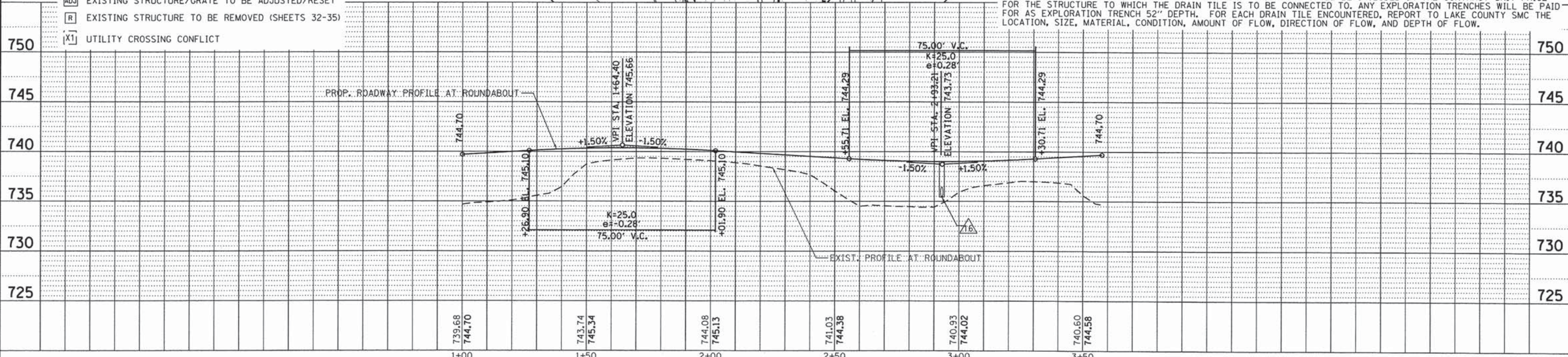
PROFILE	SUBMITTED	DATE
NOTE BOOK	PLOTTED	
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	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	



LAKE COUNTY HAS ADOPTED THE LATEST REVISION TO THE FEMA FLOOD INSURANCE STUDY (FIS) INCLUDING THE NEW DIGITAL FIRMS. THE FORMULA FOR CONVERTING FROM THE 1929 DATUM TO THE 1988 DATUM FOR THE FOX RIVER WATERSHED IS  $NGVD29 - 0.221 = NAVD88$ .

- LEGEND**
- REFER TO LIGHTING PLAN SHEETS 101-108
  - △ PROPOSED STORM STRUCTURE
  - ① PROPOSED STORM SEWER
  - ADJ EXISTING STRUCTURE/GRATE TO BE ADJUSTED/RESET
  - R EXISTING STRUCTURE TO BE REMOVED (SHEETS 32-35)
  - X1 UTILITY CROSSING CONFLICT

NOTE: ANY DRAIN TILES ENCOUNTERED DURING THE WORK WILL BE REPAIRED, REROUTED, OR CONNECTED TO THE STORM SEWER SYSTEM, AS APPROPRIATE, TO MAINTAIN DRAINAGE. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE TO WHICH THE DRAIN TILE IS TO BE CONNECTED TO. ANY EXPLORATION TRENCHES WILL BE PAID FOR AS EXPLORATION TRENCH 52" DEPTH. FOR EACH DRAIN TILE ENCOUNTERED, REPORT TO LAKE COUNTY SMC THE LOCATION, SIZE, MATERIAL, CONDITION, AMOUNT OF FLOW, DIRECTION OF FLOW, AND DEPTH OF FLOW.



FILE NAME: F:\977-018 River Roberts Phase I\ACADD\_SHEETS\977-018\_SHT\_DRAIN\_05.dwg

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ITASCA, ILLINOIS

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PLOT DATE = 11/6/2013	CHECKED - DDB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROUNDABOUT INSCRIBED CIRCLE  
DRAINAGE AND UTILITIES PLAN**

SCALE: 1"=20' SHEET 74 OF 183 SHEETS STA. 1+00.00 TO STA. 3+57.61

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	74
CONTRACT NO. 63875			ILLINOIS FED. AID PROJECT	

NOTE: ANY DRAIN TILES ENCOUNTERED DURING THE WORK WILL BE REPAIRED, REROUTED, OR CONNECTED TO THE STORM SEWER SYSTEM, AS APPROPRIATE, TO MAINTAIN DRAINAGE. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE TO WHICH THE DRAIN TILE IS TO BE CONNECTED TO. ANY EXPLORATION TRENCHES WILL BE PAID FOR AS EXPLORATION TRENCH 52" DEPTH. FOR EACH DRAIN TILE ENCOUNTERED, REPORT TO LAKE COUNTY SMC THE LOCATION, SIZE, MATERIAL, CONDITION, AMOUNT OF FLOW, DIRECTION OF FLOW, AND DEPTH OF FLOW.

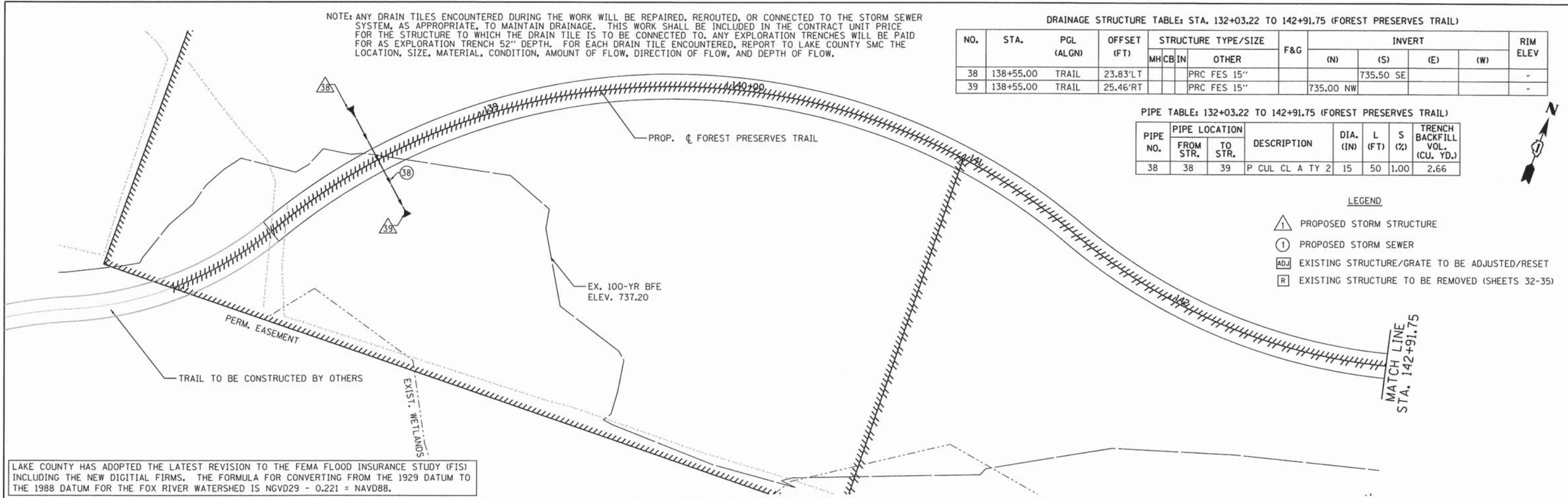
DRAINAGE STRUCTURE TABLE: STA. 132+03.22 TO 142+91.75 (FOREST PRESERVES TRAIL)

NO.	STA.	PGL (ALGN)	OFFSET (FT)	STRUCTURE TYPE/SIZE		F&G	INVERT				RIM ELEV	
				MH/CB	IN/OTHER		(N)	(S)	(E)	(W)		
38	138+55.00	TRAIL	23.83'LT		PRC FES 15"			735.50	SE			-
39	138+55.00	TRAIL	25.46'RT		PRC FES 15"			735.00	NW			-

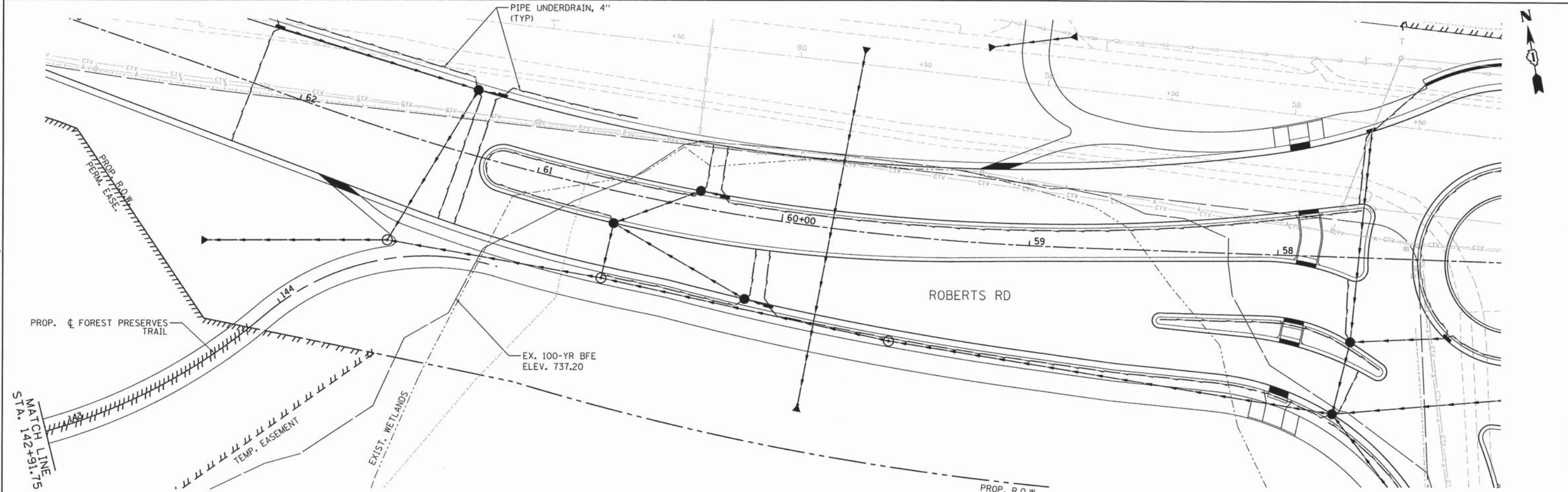
PIPE TABLE: 132+03.22 TO 142+91.75 (FOREST PRESERVES TRAIL)

PIPE NO.	PIPE LOCATION		DESCRIPTION	DIA. (IN)	L (FT)	S (%)	TRENCH BACKFILL VOL. (CU. YD.)
	FROM STR.	TO STR.					
38	38	39	P CUL CL A TY 2	15	50	1.00	2.66

- LEGEND
- △ PROPOSED STORM STRUCTURE
  - ① PROPOSED STORM SEWER
  - ADJ EXISTING STRUCTURE/GRATE TO BE ADJUSTED/RESET
  - R EXISTING STRUCTURE TO BE REMOVED (SHEETS 32-35)



LAKE COUNTY HAS ADOPTED THE LATEST REVISION TO THE FEMA FLOOD INSURANCE STUDY (FIS) INCLUDING THE NEW DIGITAL FIRMS. THE FORMULA FOR CONVERTING FROM THE 1929 DATUM TO THE 1988 DATUM FOR THE FOX RIVER WATERSHED IS NGVD29 - 0.221 = NAVD88.

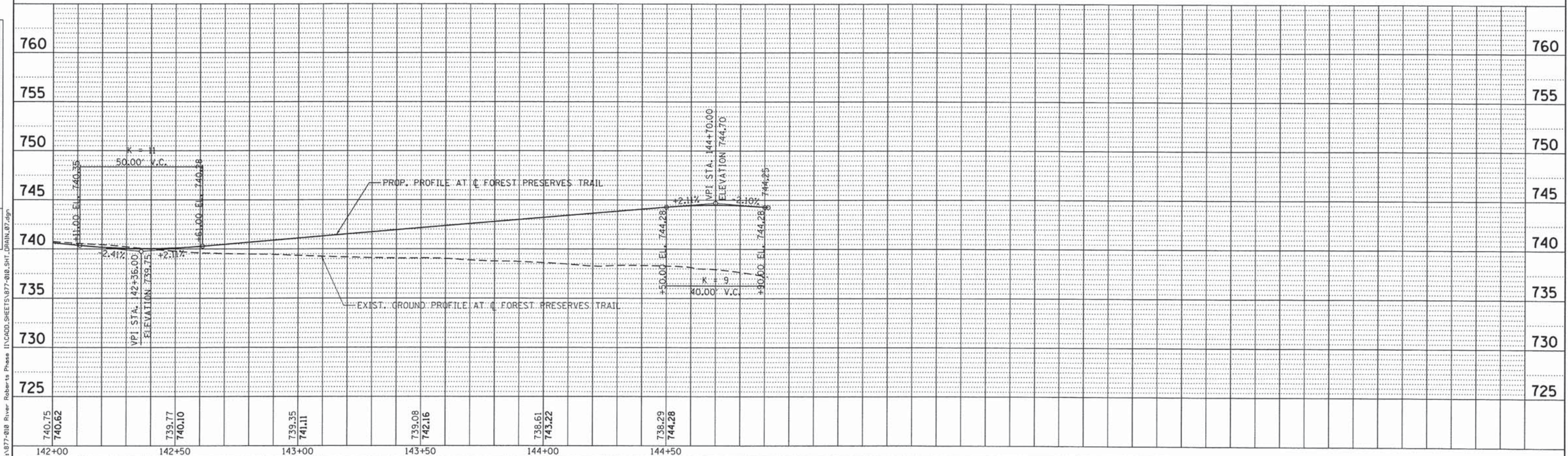
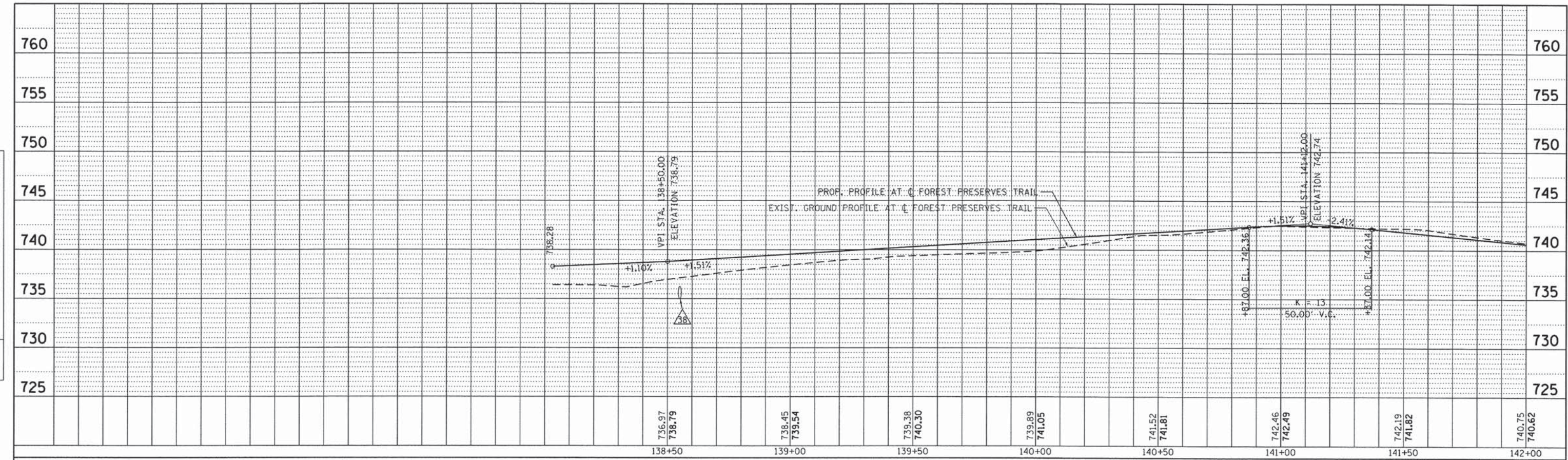


<p><b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS</p>	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>FOREST PRESERVES TRAIL</b> <b>DRAINAGE AND UTILITIES PLAN</b>		F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 75	
	PLOT SCALE = #SCALE#	CHECKED - DBB	REVISED -		SCALE: 1"=20'	SHEET 75 OF 183 SHEETS	STA. 138+00.00 TO STA. 144+91.42	<b>CONTRACT NO. 63875</b>		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -									

FILE NAME: F:\1877-918 River Roberts Phase 1\1\CA00\_SHEETS\877-918\_SHT\_DRAIN\_06.dgn

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	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHKD		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS CHKD		
	FILE NAME		
	NO.		



<b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>FOREST PRESERVES TRAIL</b> <b>DRAINAGE AND UTILITY PROFILE</b>	F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 76
	PLOT SCALE = #SCALE#	CHECKED - DDB	REVISED -			SCALE: 1"=20'	SHEET 76 OF 184 SHEETS	STA. 138+00.00 TO STA. 144+91.42	CONTRACT NO. 63875	
	PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -							

FILE NAME = F:\977-018 River Roberts Phase I\ACADD SHEETS\977-018\_SHT\_DRAIN\_07.dgn

# LAKE COUNTY DIVISION OF TRANSPORTATION

## PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. ROUTE 3705 (ROBERTS ROAD)  
F.A.U. ROUTE 3704 (RIVER ROAD)  
SECTION 07-00086-08-CH  
PROJECT CMM-9003 (961)  
JOB R-91-024-08  
LAKE COUNTY

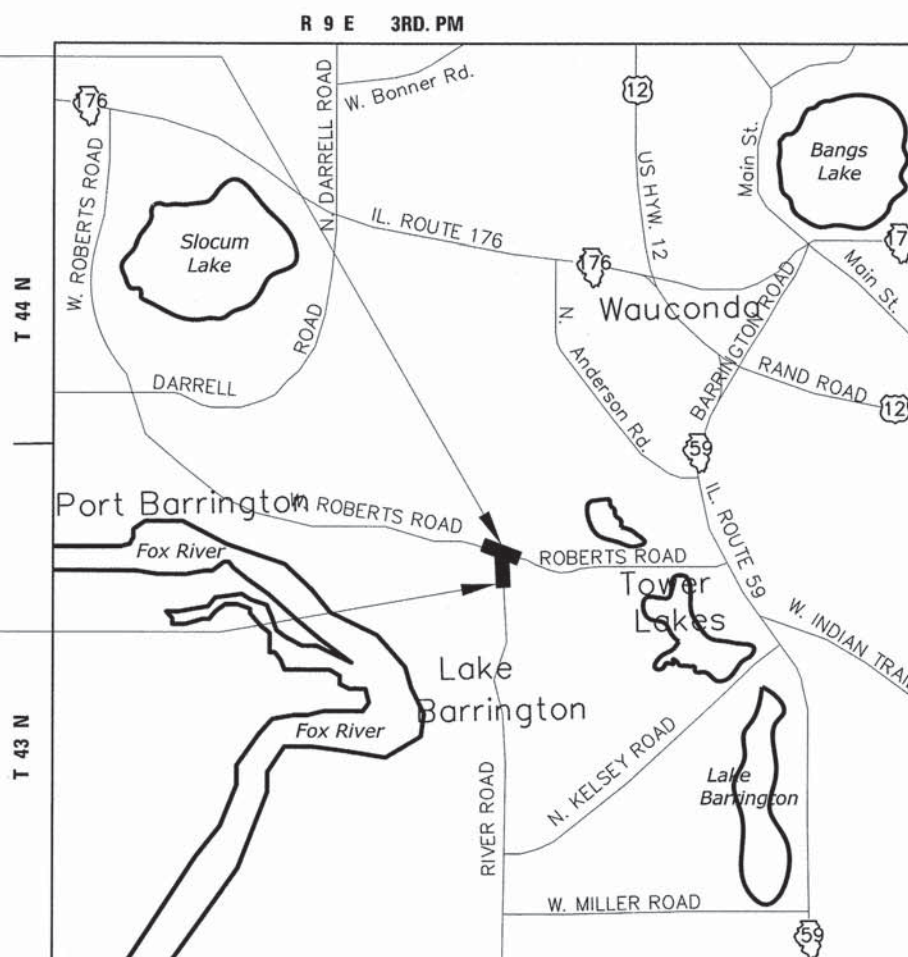
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704 & 3705	R-91-024-08	LAKE	183	77
ILLINOIS CONTRACT NO. 63875			TOTAL SHEETS	SHEET NO.
PLAT OF HIGHWAYS			5	1



LOCATION OF SECTION INDICATED THIS: -

PROJECT LOCATION  
ROBERTS ROAD  
BEGIN IMPROVEMENT  
AT STA. 49+28.77  
END IMPROVEMENT  
AT STA. 68+40.54

RIVER ROAD  
BEGIN IMPROVEMENT  
AT STA. 92+50.00  
END IMPROVEMENT  
AT STA. 95+02.2



MAP SCALE: NTS

LOCATION MAP

10-14-11

REVISION	
DATE	DESCRIPTION
11/22/11	LCDOT REV
4/18/12	IDOT REV
6/05/12	IDOT REV
4/04/13	0004A,0004B
5/09/13	IDOT REV
7/03/13	0005,0005TE
9/16/13	R. 0004,0006
10/28/13	R. 0005

PROJECT LOCATED IN  
THE VILLAGE OF LAKE  
BARRINGTON

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

CONTRACT NO. TBD

PART OF SECTION 3, T43 N, R 9 E, OF THE 3RD P.M.- LAKE COUNTY, ILLINOIS

**BL** Bollinger, Lach & Associates, Inc.  
333 PIERCE ROAD SUITE 200 ITASCA, IL 60143  
P:(630) 438 6400 F:(630) 438 6444 www.bollingerlach.com  
ITASCA \* CHICAGO \* LAKE GENEVA \* SOUTH BEND \* INDIANAPOLIS

LAKE COUNTY DIVISION  
OF TRANSPORTATION

APPROVED \_\_\_\_\_ 20 \_\_\_\_\_

COUNTY OF LAKE, COUNTY ENGINEER

---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PASSED \_\_\_\_\_ 20 \_\_\_\_\_

DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

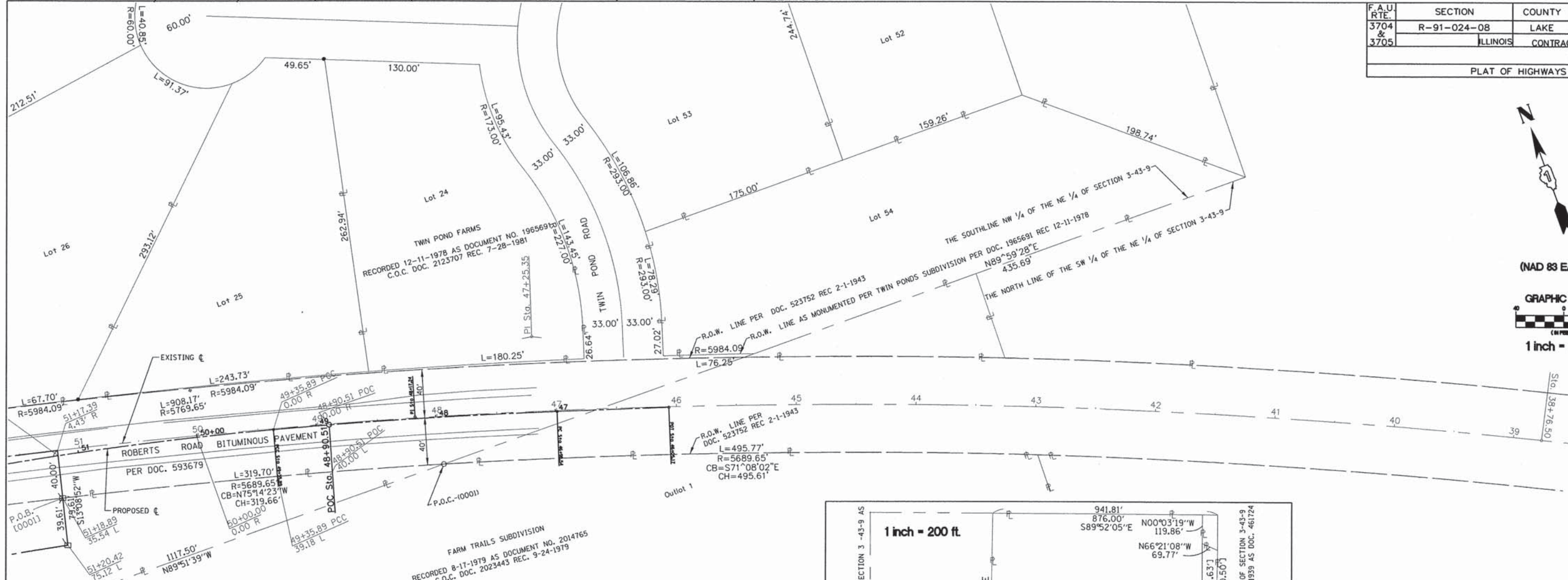
RELEASING FOR BID  
BASED ON LIMITED  
REVIEW \_\_\_\_\_ 20 \_\_\_\_\_

DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

PART OF THE NW 1/4 & NE 1/4 SEC. 3, TWP. 43 N., R. 9 E. OF THE 3RD P.M., IN LAKE COUNTY, ILLINOIS.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704 & 3705	R-91-024-08	LAKE	183	78
	ILLINOIS	CONTRACT NO. 63875	TOTAL SHEETS	SHEET NO.
	PLAT OF HIGHWAYS		5	2



**LEGEND**

SECTION CORNER  
 QUARTER SECTION CORNER  
 SECTION LINE  
 QUARTER SECTION LINE  
 PLATTED LOT LINES  
 PROPERTY (DEED) LINE  
 APPARENT PROPERTY LINE  
 CENTERLINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 PROPOSED EASEMENT  
 MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORDED DIMENSION  
 EXISTING BUILDING

Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

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

**COORDINATE TABLE**

49 + 35.89 - 00.00' RT.	2,029,437.58N - 1,029,464.78E
49 + 35.89 - 39.18' LT.	2,029,399.73N - 1,029,454.66E
50 + 00.00 - 00.00' RT.	2,029,453.24N - 1,029,402.61E
51 + 17.39 - 4.43' RT.	2,029,482.50N - 1,029,288.75E
51 + 17.56 - 00.00' RT.	2,029,478.18N - 1,029,287.74E
51 + 18.89 - 35.54' LT.	2,029,443.55N - 1,029,279.65E
51 + 20.42 - 75.12' LT.	2,029,404.98N - 1,029,270.64E

- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
 ) S.S.  
 COUNTY OF LAKE )

I, PAULA TRIGG, COUNTY ENGINEER OF THE COUNTY AFORESAID, DO HEREBY CERTIFY THAT THE PLAT HEREON IS A TRUE AND CORRECT REPRESENTATION OF THE SURVEY MADE UNDER MY DIRECTION OF PART OF FAU 3704 & FAU 3705 IN SAID COUNTY.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. 20\_\_\_\_.

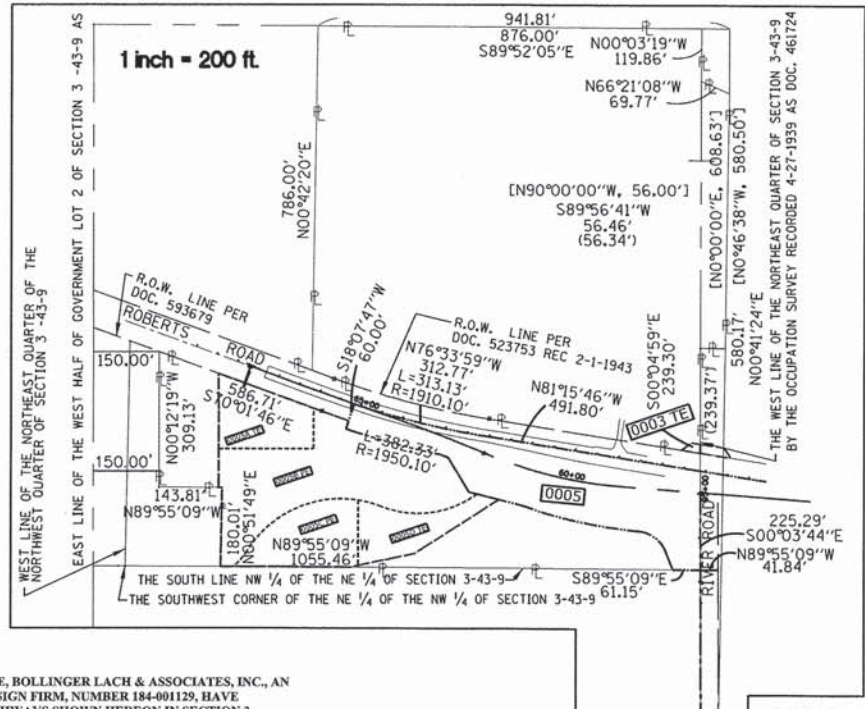
STATE OF ILLINOIS )  
 ) S.S.  
 COUNTY OF DUPAGE )

THIS IS TO CERTIFY THAT WE, BOLLINGER LACH & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-001129, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, TOWNSHIP 43 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ITASCA, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2257  
 LICENSE EXPIRATION DATE: 11/30/2014

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



10-14-11

DATE	DESCRIPTION
11/22/11	LCDOT REV
4/18/12	IDOT REV
6/05/12	IDOT REV
4/04/13	0004A,0004B
5/09/13	IDOT REV
7/03/13	0005,0005TE
9/16/13	R. 0004,0006
10/28/13	R. 0005

**BL** Bollinger, Lach & Associates, Inc.  
 333 PIERCE ROAD, SUITE 200 - ITASCA, IL 60143  
 P:(630) 438 6400 F:(630) 438 6444 www.bollingerlach.com

LAKE COUNTY DIVISION OF TRANSPORTATION  
 PLAT OF HIGHWAYS

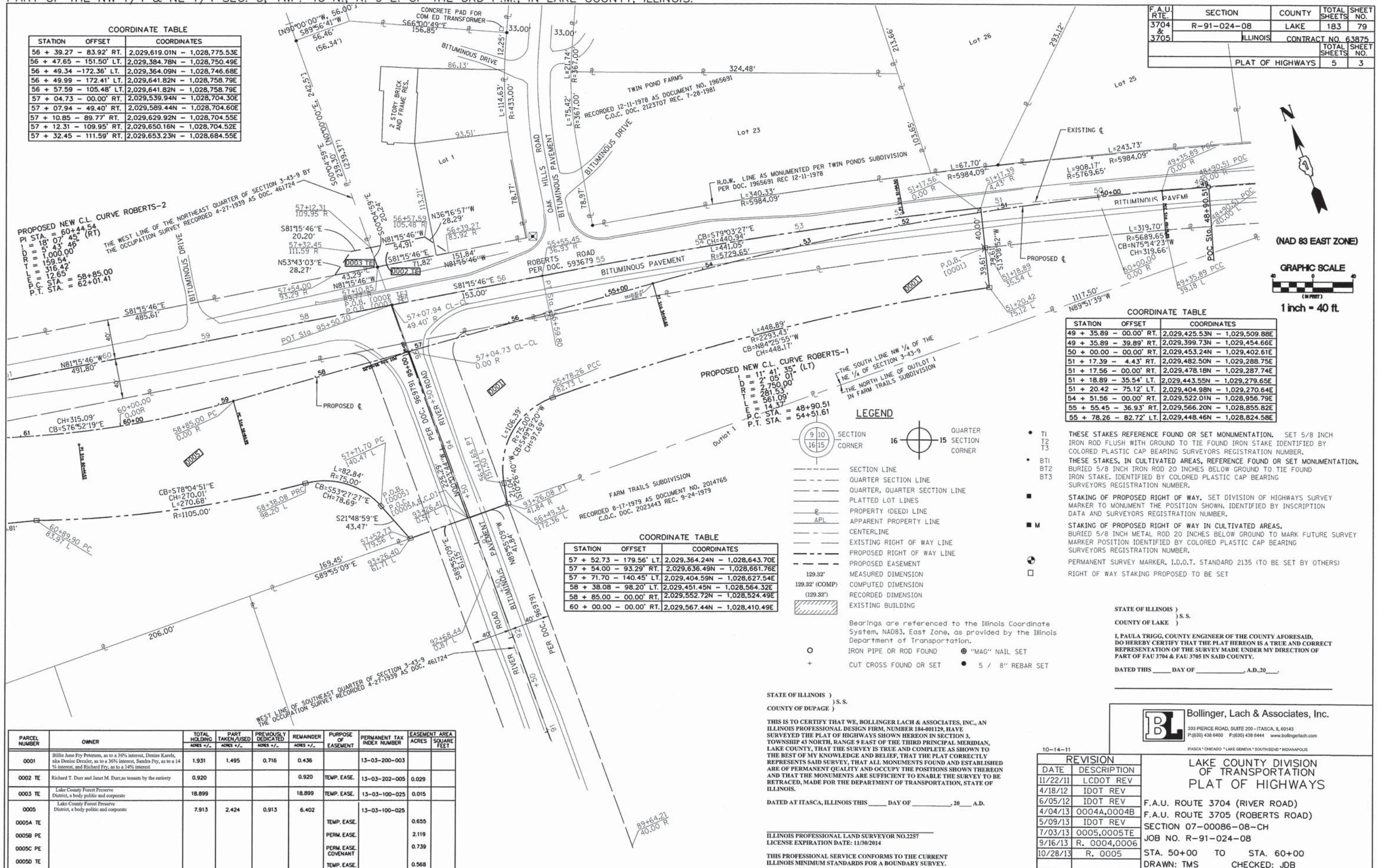
F.A.U. ROUTE 3704 (RIVER ROAD)  
 F.A.U. ROUTE 3705 (ROBERTS ROAD)  
 SECTION 07-00086-08-CH  
 JOB NO. R-91-024-08  
 STA. 38+76.50 TO STA. 51+50  
 DRAWN: TMS CHECKED: JDB  
 SCALE: 1"=40' SHEET: 64 OF 144

PART OF THE NW 1/4 & NE 1/4 SEC. 3, TWP. 43 N., R. 9 E. OF THE 3RD P.M., IN LAKE COUNTY, ILLINOIS.

**COORDINATE TABLE**

STATION	OFFSET	COORDINATES
56 + 39.27	- 83.92' RT.	2,029,619.01N - 1,028,775.53E
56 + 47.65	- 151.50' LT.	2,029,384.78N - 1,028,750.49E
56 + 49.34	- 172.36' LT.	2,029,364.09N - 1,028,746.68E
56 + 49.99	- 172.41' LT.	2,029,641.82N - 1,028,758.79E
56 + 57.59	- 105.48' LT.	2,029,641.82N - 1,028,758.79E
57 + 04.73	- 00.00' RT.	2,029,539.94N - 1,028,704.30E
57 + 07.94	- 49.40' RT.	2,029,589.44N - 1,028,704.60E
57 + 10.85	- 89.77' RT.	2,029,629.92N - 1,028,704.55E
57 + 12.31	- 109.95' RT.	2,029,650.16N - 1,028,704.52E
57 + 32.45	- 111.59' RT.	2,029,653.23N - 1,028,684.55E

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704 & 3705	R-91-024-08	LAKE	183	79
ILLINOIS			CONTRACT NO. 63875	
PLAT OF HIGHWAYS			TOTAL SHEETS 5	SHEET NO. 3



PROPOSED NEW C.L. CURVE ROBERTS-2  
 PI STA. = 60+44.54  
 I = 18° 07' 45" (RT)  
 D = 1,000.00'  
 R = 159.54'  
 L = 316.42'  
 P.C. STA. = 58+85.00  
 P.T. STA. = 62+01.41

PROPOSED NEW C.L. CURVE ROBERTS-1  
 I = 11° 41' 35" (LT)  
 D = 2° 05' 01"  
 R = 2,750.00'  
 L = 281.53'  
 E = 561.09'  
 F = 14.37'  
 P.C. STA. = 48+90.51  
 P.T. STA. = 54+51.61

**COORDINATE TABLE**

STATION	OFFSET	COORDINATES
49 + 35.89	- 00.00' RT.	2,029,425.53N - 1,029,509.88E
49 + 35.89	- 39.89' RT.	2,029,399.73N - 1,029,454.66E
50 + 00.00	- 00.00' RT.	2,029,453.24N - 1,029,402.61E
51 + 17.39	- 4.43' RT.	2,029,482.50N - 1,029,288.75E
51 + 17.56	- 00.00' RT.	2,029,478.18N - 1,029,287.74E
51 + 18.89	- 35.54' LT.	2,029,443.55N - 1,029,279.65E
51 + 20.42	- 75.12' LT.	2,029,404.98N - 1,029,270.64E
54 + 51.56	- 00.00' RT.	2,029,522.01N - 1,028,956.79E
55 + 55.45	- 36.93' RT.	2,029,566.20N - 1,028,855.82E
55 + 78.26	- 82.72' LT.	2,029,448.46N - 1,028,824.58E

**COORDINATE TABLE**

STATION	OFFSET	COORDINATES
57 + 52.73	- 179.56' LT.	2,029,364.24N - 1,028,643.70E
57 + 54.00	- 93.29' RT.	2,029,636.49N - 1,028,661.76E
57 + 71.70	- 140.45' LT.	2,029,404.59N - 1,028,627.54E
58 + 38.08	- 98.20' LT.	2,029,451.45N - 1,028,564.32E
58 + 85.00	- 00.00' RT.	2,029,552.72N - 1,028,524.49E
60 + 00.00	- 00.00' RT.	2,029,567.44N - 1,028,410.49E

- LEGEND**
- SECTION CORNER
  - QUARTER CORNER
  - SECTION LINE
  - QUARTER SECTION LINE
  - QUARTER, QUARTER SECTION LINE
  - PLATTED LOT LINES
  - PROPERTY (DEED) LINE
  - APL APPARENT PROPERTY LINE
  - CENTERLINE
  - EXISTING RIGHT OF WAY LINE
  - PROPOSED RIGHT OF WAY LINE
  - PROPOSED EASEMENT
  - MEASURED DIMENSION
  - COMPUTED DIMENSION
  - RECORDED DIMENSION
  - EXISTING BUILDING
- Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.
- IRON PIPE OR ROD FOUND
  - ⊕ "MAC" NAIL SET
  - + CUT CROSS FOUND OR SET
  - 5 / 8" REBAR SET

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES +/-	PART TAKEN/USED ACRES +/-	PREVIOUSLY DEDICATED ACRES +/-	REMAINDER ACRES +/-	PURPOSE OF EASEMENT	PERMANENT TAX INDEX NUMBER	EASEMENT AREA ACRES SQUARE FEET
0001	Billie June Fry Peterson, as to a 36% interest, Denise Karels, aka Denise Dredley, as to a 36% interest, Sandra Fry, as to a 14% interest, and Richard Fry, as to a 14% interest	1.931	1.495	0.716	0.436		13-03-200-003	
0002 TE	Richard T. Durr and Janet M. Durr, as tenants by the entirety	0.920		0.920		TEMP. EASE.	13-03-202-005	0.029
0003 TE	Lake County Forest Preserve District, a body politic and corporate	18.899		18.899		TEMP. EASE.	13-03-100-025	0.015
0005	Lake County Forest Preserve District, a body politic and corporate	7.913	2.424	0.913	6.402		13-03-100-025	
0005A TE						TEMP. EASE.		0.655
0005B PE						PERM. EASE.		2.119
0005C PE						PERM. EASE. COVENANT		0.739
0005D TE						TEMP. EASE.		0.568

STATE OF ILLINOIS )  
 ) S.S.  
 COUNTY OF DUPAGE )

THIS IS TO CERTIFY THAT WE, BOLLINGER LACH & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-001129, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, TOWNSHIP 43 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ITASCA, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2257  
 LICENSE EXPIRATION DATE: 11/30/2014

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS )  
 ) S.S.  
 COUNTY OF LAKE )

I, PAULA TRIGG, COUNTY ENGINEER OF THE COUNTY AFORESAID, DO HEREBY CERTIFY THAT THE PLAT HEREON IS A TRUE AND CORRECT REPRESENTATION OF THE SURVEY MADE UNDER MY DIRECTION OF PART OF FAU 3704 & FAU 3705 IN SAID COUNTY.

DATED THIS \_\_\_\_ DAY OF \_\_\_\_\_, A.D. 20\_\_

**Bollinger, Lach & Associates, Inc.**  
 333 PIERCE ROAD, SUITE 200 - ITASCA, IL 60143  
 P:(630) 438 6400 F:(630) 438 6444 www.bollingerlach.com

10-14-11

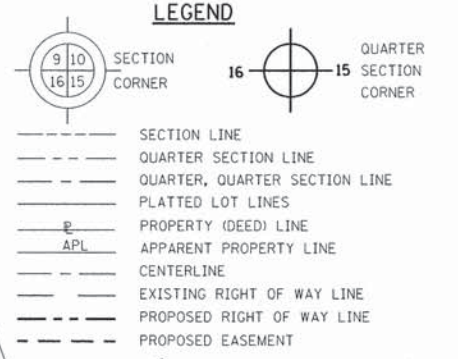
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6/05/12	IDOT REV
4/04/13	0004A,0004B
5/09/13	IDOT REV
7/03/13	0005,0005TE
9/16/13	R. 0004,0006
10/28/13	R. 0005

**LAKE COUNTY DIVISION OF TRANSPORTATION PLAT OF HIGHWAYS**

F.A.U. ROUTE 3704 (RIVER ROAD)  
 F.A.U. ROUTE 3705 (ROBERTS ROAD)  
 SECTION 07-00086-08-CH  
 JOB NO. R-91-024-08  
 STA. 50+00 TO STA. 60+00  
 DRAWN: TMS CHECKED: JDB  
 SCALE: 1"=40' SHEET: 65 OF 144

PART OF THE NW 1/4 & NE 1/4 SEC. 3, TWP. 43 N., R. 9 E. OF THE 3RD P.M., IN LAKE COUNTY, ILLINOIS.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704 & 3705	R-91-024-08	LAKE	183	80
ILLINOIS			CONTRACT NO. 63875	TOTAL SHEETS NO.
PLAT OF HIGHWAYS			5	4



MEASURED DIMENSION  
COMPUTED DIMENSION  
RECORDED DIMENSION  
EXISTING BUILDING

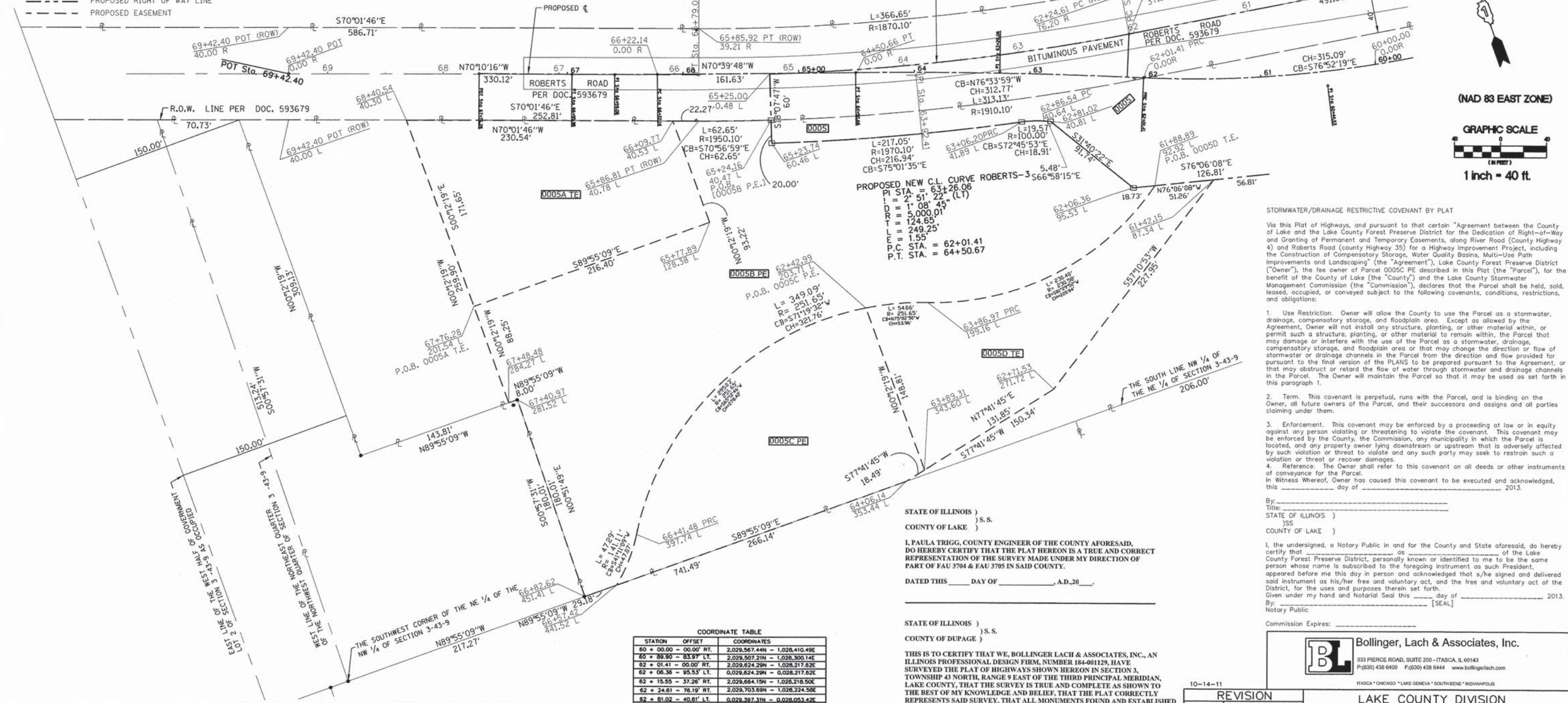
Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

IRON PIPE OR ROD FOUND  
"MAG" NAIL SET  
CUT CROSS FOUND OR SET  
5 / 8" REBAR SET

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

- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

**PROPOSED NEW C.L. CURVE ROBERTS-2**  
 PI STA. = 60+44.54  
 I = 18° 07' 45" (RT)  
 D R = 5' 43' 46"  
 L = 1,000.00'  
 T L = 159.54'  
 P.C. STA. = 316.42'  
 P.T. STA. = 58+85.00'  
 P.T. STA. = 62+01.41'



**STORMWATER/DRAINAGE RESTRICTIVE COVENANT BY PLAT**

1. Use Restriction. Owner will allow the County to use the Parcel as a stormwater, drainage, compensatory storage, and floodplain area. Except as allowed by the Agreement, Owner will not install any structure, planting, or other material within, or permit such a structure, planting, or other material to remain within, the Parcel that may damage or interfere with the use of the Parcel as a stormwater, drainage, compensatory storage, and floodplain area or that may change the direction or flow of stormwater or drainage channels in the Parcel from the direction and flow provided for pursuant to the final version of the PLANS to be prepared pursuant to the Agreement, or that may obstruct or retard the flow of water through stormwater and drainage channels in the Parcel. The Owner will maintain the Parcel so that it may be used as set forth in this paragraph 1.

2. Term. This covenant is perpetual, runs with the Parcel, and is binding on the Owner, all future owners of the Parcel, and their successors and assigns and all parties claiming under them.

3. Enforcement. This covenant may be enforced by a proceeding at law or in equity against any person violating or threatening to violate the covenant. This covenant may be enforced by the County, the Commission, any municipality in which the Parcel is located, and any property owner lying downstream or upstream that is adversely affected by such violation or threat to violate and any such party may seek to restrain such a violation or threat or recover damages.

4. Reference. The Owner shall refer to this covenant on all deeds or other instruments of conveyance for the Parcel.

In Witness Whereof, Owner has caused this covenant to be executed and acknowledged, this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

By: \_\_\_\_\_  
 Title: \_\_\_\_\_  
 STATE OF ILLINOIS )  
 ) S.S.  
 COUNTY OF LAKE )

I, PAULA TRIGG, COUNTY ENGINEER OF THE COUNTY AFORESAID, DO HEREBY CERTIFY THAT THE PLAT HEREON IS A TRUE AND CORRECT REPRESENTATION OF THE SURVEY MADE UNDER MY DIRECTION OF PART OF FAU 3704 & FAU 3705 IN LAKE COUNTY.

DATED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, A.D. 20\_\_\_\_.

STATE OF ILLINOIS )  
 ) S.S.  
 COUNTY OF DUPAGE )

THIS IS TO CERTIFY THAT WE, BOLLINGER LACH & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-001129, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, TOWNSHIP 43 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ITASCA, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ A.D.

REVISION	
DATE	DESCRIPTION
11/22/11	LCDOT REV
4/18/12	IDOT REV
6/05/12	IDOT REV
4/04/13	0004A,0004B
5/09/13	IDOT REV
7/03/13	0005,0005TE
9/16/13	R. 0004,0006
10/28/13	R. 0005

LAKE COUNTY DIVISION OF TRANSPORTATION  
 PLAT OF HIGHWAYS

F.A.U. ROUTE 3704 (RIVER ROAD)  
 F.A.U. ROUTE 3705 (ROBERTS ROAD)  
 SECTION 07-00086-08-CH  
 JOB NO. R-91-024-08  
 STA. 60+00 TO STA. 69+33.7  
 DRAWN: TMS CHECKED: JDB  
 SCALE: 1"=40' SHEET: 66 OF 144

PARCEL NUMBER	OWNER	TOTAL HOLDING	PART TAKEN/USED	PREVIOUSLY DEDICATED	REMAINDER	PURPOSE OF EASEMENT	PERMANENT TAX INDEX NUMBER	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET
		ACRES +/-	ACRES +/-	ACRES +/-	ACRES +/-				
0005	Lake County Forest Preserve District, a body politic and corporate	7.913	2.424	0.913	6.402		13-03-100-025		
0005A TE						TEMP. EASE.		0.655	
0005B PE						PERM. EASE.		2.119	
0005C PE						PERM. EASE. COVENANT		0.739	
0005D TE						TEMP. EASE.		0.568	

COORDINATE TABLE

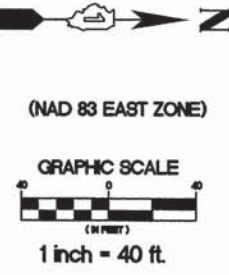
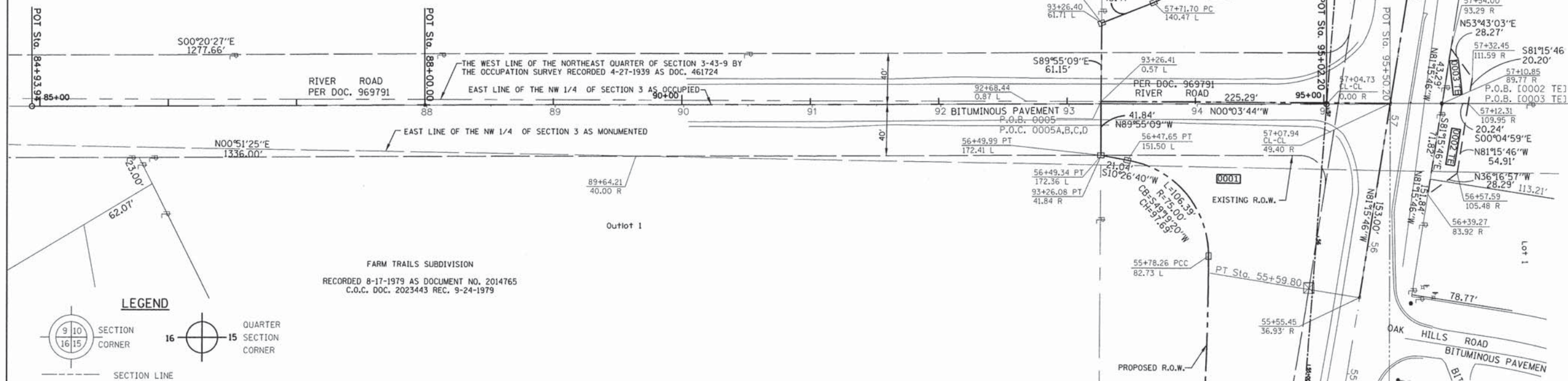
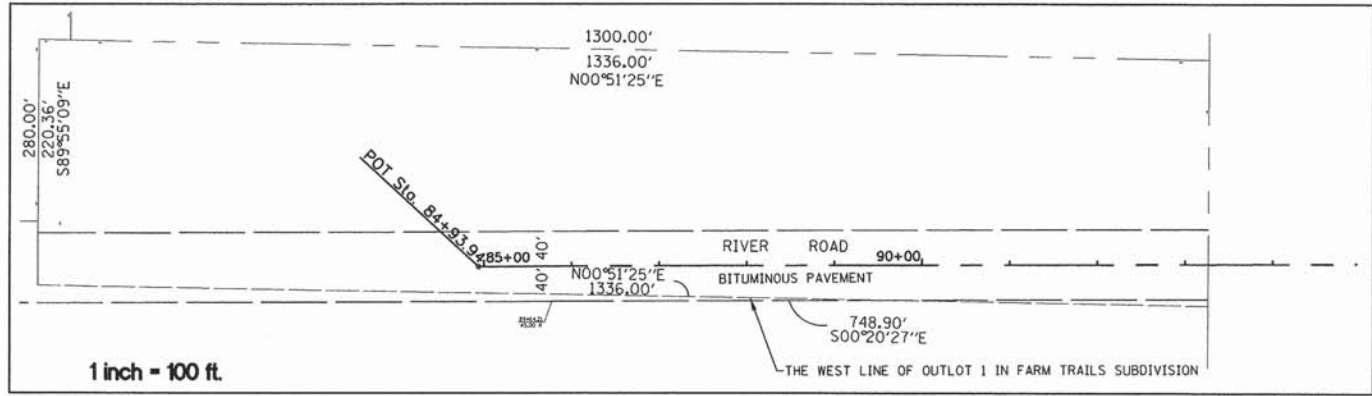
STATION	OFFSET	COORDINATES
60 + 00.00 - 00.00' RT.		2,029,567.44N - 1,028,410.49E
60 + 89.90 - 83.97' LT.		2,029,507.21N - 1,028,300.14E
62 + 01.41 - 00.00' RT.		2,029,624.29N - 1,028,217.62E
62 + 08.38 - 93.53' LT.		0,029,624.29N - 0,028,217.62E
62 + 13.55 - 37.28' RT.		2,029,664.15N - 1,028,218.50E
62 + 24.81 - 78.19' RT.		2,029,703.69N - 1,028,224.58E
62 + 31.02 - 49.81' LT.		0,029,397.31N - 0,028,053.52E
62 + 38.54 - 49.84' LT.		2,029,617.89N - 1,028,124.83E
63 + 08.20 - 41.89' LT.		2,029,623.74N - 1,028,105.19E
64 + 06.14 - 353.44' LT.		2,029,365.28N - 1,027,906.54E
64 + 50.66 - 00.00' RT.		2,029,712.65N - 1,027,984.50E
65 + 23.74 - 60.48' LT.		2,029,679.79N - 1,027,895.61E
65 + 24.16 - 40.47' LT.		2,029,698.80N - 1,027,901.64E
65 + 25.00 - 0.48' LT.		2,029,736.81N - 1,027,914.28E
65 + 86.81 - 40.78' LT.		2,029,719.25N - 1,027,842.62E
66 + 22.13 - 00.00' RT.		2,029,769.43N - 1,027,822.78E
66 + 86.65 - 451.41' LT.		2,029,365.69N - 1,027,611.22E
66 + 95.98 - 00.00' RT.		2,029,794.39N - 1,027,753.29E
67 + 40.97 - 281.52' LT.		2,029,545.69N - 1,027,613.93E
67 + 48.48 - 284.27' LT.		2,029,545.69N - 1,027,605.94E
67 + 76.28 - 00.00' RT.		2,029,822.09N - 1,027,677.92E

RECORDED ON: \_\_\_\_\_ AS DOCUMENT NO.: \_\_\_\_\_

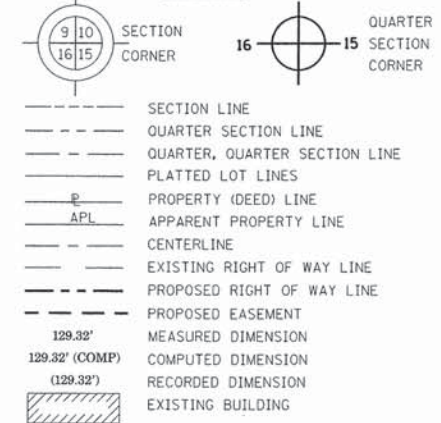


PART OF THE NW 1/4 & NE 1/4 SEC. 3, TWP. 43 N., R. 9 E. OF THE 3RD P.M., IN LAKE COUNTY, ILLINOIS.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704 & 3705	R-91-024-08	LAKE	183	81
ILLINOIS			CONTRACT NO. 63875	TOTAL SHEETS NO.
PLAT OF HIGHWAYS			5	5



**LEGEND**



Bearings are referenced to the Illinois Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND      ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET      ● 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES +/-	PART TAKEN/USED ACRES +/-	PREVIOUSLY DEDICATED ACRES +/-	REMAINDER ACRES +/-	PURPOSE OF EASEMENT	PERMANENT TAX INDEX NUMBER	EASEMENT AREA ACRES
0001	Billie June Fry Peterson, as to a 36% interest, Denise Karels, nka Denise Drexler, as to a 36% interest, Sandra Fry, as to a 14% interest, and Richard Fry, as to a 14% interest	1.931	1.495	0.716	0.436		13-03-200-003	
0002 TE	Richard T. Durr and Janet M. Durr, as tenants by the entirety	0.920			0.920	TEMP. EASE.	13-03-202-005	0.029
0003 TE	Lake County Forest Preserve District, a body politic and corporate	18.899			18.899	TEMP. EASE.	13-03-100-025	0.015
0005	Lake County Forest Preserve District, a body politic and corporate	7.913	2.424	0.913	6.402		13-03-100-025	
0005A TE						TEMP. EASE.		0.655
0005B PE						PERM. EASE.		2.119
0005C PE						PERM. EASE. COVENANT		0.739
0005D TE						TEMP. EASE.		0.568

**COORDINATE TABLE**

STATION	OFFSET	COORDINATES
84 + 93.94	- 00.00' RT.	2,028,531.71N - 1,028,710.64E
88 + 00.00	- 00.00' RT.	2,028,837.76N - 1,028,708.72E
89 + 64.21	- 40.00' RT.	2,029,002.11N - 1,028,748.83E
92 + 68.44	- 0.87' LT.	2,029,306.19N - 1,028,704.90E
92 + 68.46	- 38.75' LT.	2,029,305.96N - 1,028,667.02E
93 + 26.08	- 40.00' RT.	2,029,364.09N - 1,028,746.68E
93 + 26.08	- 47.57' RT.	2,029,364.07N - 1,028,754.24E
93 + 26.40	- 61.71' LT.	2,029,364.24N - 1,028,643.70E
93 + 26.41	- 0.57' RT.	2,029,364.15N - 1,028,704.84E
95 + 02.20	- 00.00' RT.	2,029,539.94N - 1,028,704.30E

STATE OF ILLINOIS )  
                                  ) S.S.  
COUNTY OF DUPAGE )

THIS IS TO CERTIFY THAT WE, BOLLINGER LACH & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM, NUMBER 184-001129, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, TOWNSHIP 43 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ITASCA, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_ A.D.

STATE OF ILLINOIS )  
                                  ) S.S.  
COUNTY OF LAKE )

I, PAULA TRIGG, COUNTY ENGINEER OF THE COUNTY AFORESAID, DO HEREBY CERTIFY THAT THE PLAT HEREON IS A TRUE AND CORRECT REPRESENTATION OF THE SURVEY MADE UNDER MY DIRECTION OF PART OF FAU 3704 & FAU 3705 IN SAID COUNTY.

DATED THIS \_\_\_\_ DAY OF \_\_\_\_\_, A.D. 20\_\_.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2257  
LICENSE EXPIRATION DATE: 11/30/2014

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

**Bollinger, Lach & Associates, Inc.**  
333 PIERCE ROAD, SUITE 200 - ITASCA, IL 60143  
P:(630) 438 6400 F:(630) 438 6444 www.bollingerlach.com  
ITASCA \* CHICAGO \* LAKE GENEVA \* SOUTH BEND \* INDIANAPOLIS

10-14-11

DATE	DESCRIPTION
11/22/11	LCDOT REV
4/18/12	IDOT REV
6/05/12	IDOT REV
4/04/13	0004A,0004B
5/09/13	IDOT REV
7/03/13	0005,0005TE
9/16/13	R. 0004,0006
10/28/13	R. 0005

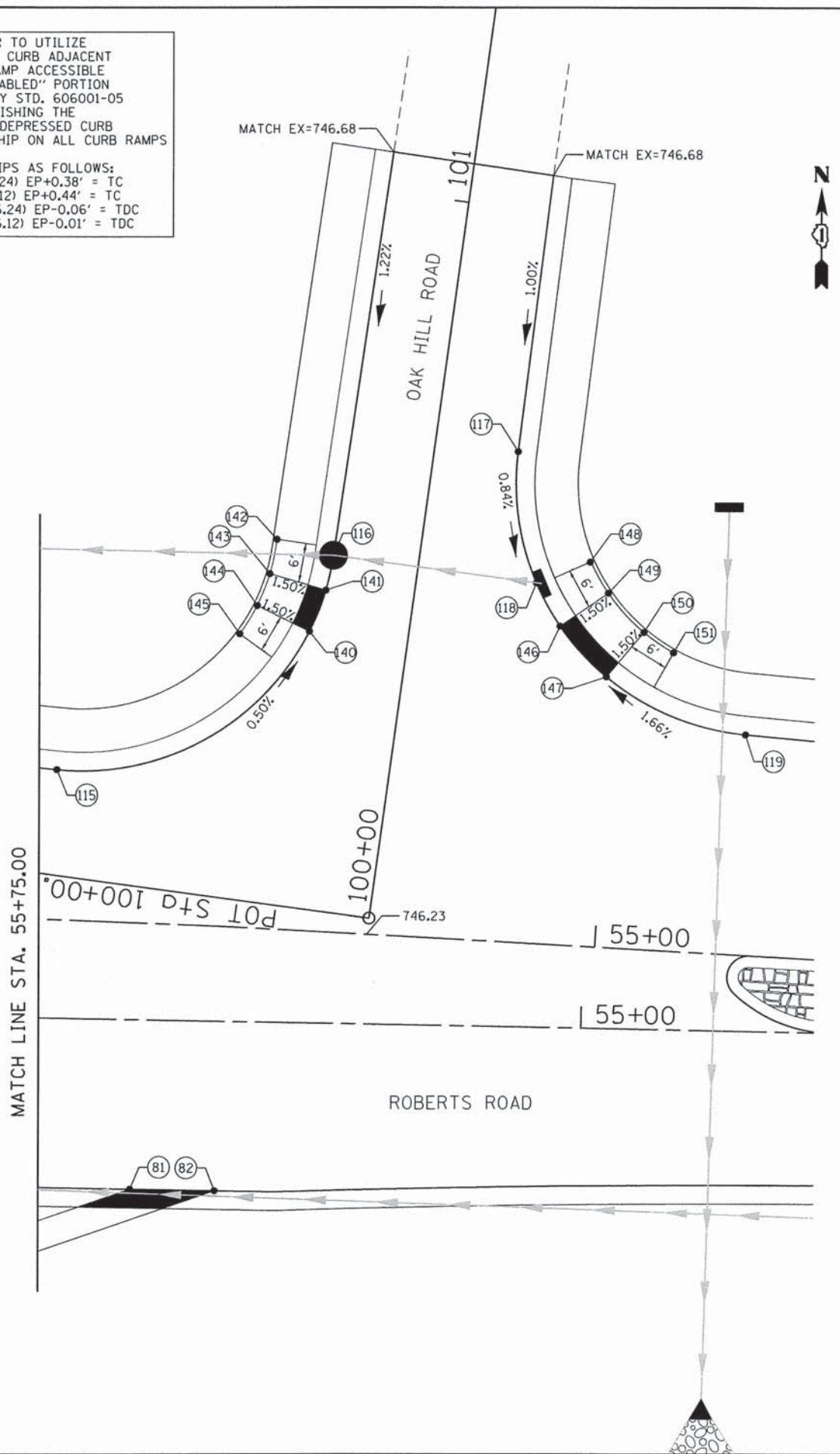
**LAKE COUNTY DIVISION OF TRANSPORTATION PLAT OF HIGHWAYS**

F.A.U. ROUTE 3704 (RIVER ROAD)  
F.A.U. ROUTE 3705 (ROBERTS ROAD)  
SECTION 07-00086-08-CH  
JOB NO. R-91-024-08  
STA. 55+00 TO STA. 59+00  
DRAWN: TMS      CHECKED: JDB  
SCALE: 1"=40'      SHEET: 67 OF 144



CONTRACTOR TO UTILIZE "DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED" PORTION OF IDOT HWY STD. 606001-05 FOR ESTABLISHING THE EP-TOP OF DEPRESSED CURB REPLACEMENT ON ALL CURB RAMPS

RELATIONSHIPS AS FOLLOWS:  
 EP-TC (B-6.24) EP+0.38' = TC  
 EP-TC (B-6.12) EP+0.44' = TC  
 EP-TDC (B-6.24) EP-0.06' = TDC  
 EP-TDC (B-6.12) EP-0.01' = TDC



INTERSECTION GRADING PLAN				
ELEVATION TABLE				
POINT NO.	PROFILE GRADE LINE (PGL)	STATION	OFFSET (FT)	ELEV.
1	Roundabout	1+64.51	0.00	745.38
2	Roundabout	1+64.30	29.00' RT	745.52
3	Roundabout	1+56.81	29.00' RT	745.61
4	Roundabout	1+36.94	18.00' RT	745.59
5	Roundabout	1+32.59	18.00' RT	745.54
6	Roundabout	1+32.19	18.00' RT	745.53
7	Roundabout	1+17.48	18.00' RT	745.32
8	Roundabout	1+12.13	18.00' RT	745.24
9	Roundabout	1+02.54	42.45' RT	744.72
10	Roundabout	3+57.49	39.39' RT	744.51
11	Roundabout	3+30.05	23.92' RT	744.52
12	Roundabout	3+25.17	23.92' RT	744.45
13	Roundabout	3+17.88	23.92' RT	744.37
14	Roundabout	2+92.73	0.00	744.01
15	Roundabout	2+85.76	25.57' RT	744.23
16	Roundabout	2+77.17	32.24' RT	744.14
17	Roundabout	2+66.42	18.00' RT	744.51
18	Roundabout	2+60.53	18.00' RT	744.58
19	Roundabout	2+60.19	18.00' RT	744.59
20	Roundabout	2+46.67	18.00' RT	744.81
21	Roundabout	2+41.19	18.00' RT	744.87
22	Roundabout	2+28.44	37.07' RT	744.68
23	Roundabout	2+11.98	29.00' RT	745.09
24	Roundabout	19+96.36	29.00' RT	745.32
25	Westbound	55+99.53	22.00' RT	746.06
26	Westbound	55+75.41	20.70' RT	746.19
27	Westbound	56+44.07	0.00	745.58
28	Westbound	55+93.70	0.00	745.87
29	Westbound	55+84.69	0.00	745.92
30	Westbound	55+83.62	7.85' LT	745.77
31	Eastbound	56+01.57	1.02' RT	745.54
32	Eastbound	56+08.07	0.00	745.49
33	Eastbound	56+42.32	0.00	745.29
34	Eastbound	55+92.07	23.40' LT	745.10
35	River CL	94+33.03	10.86' RT	744.36
36	River CL	94+31.35	17.20' LT	744.20
37	Roundabout	2+87.08	32.19' RT	744.10
38	Eastbound	58+14.38	38.28' LT	743.77
39	Eastbound	58+25.90	45.31' LT	743.62
40	Eastbound	58+63.20	26.33' LT	743.55
41	Eastbound	58+06.86	22.00' LT	743.98
42	Eastbound	58+62.81	20.34' LT	743.61
43	Eastbound	57+71.60	0.00	744.45
44	Eastbound	58+09.56	0.00	744.18
45	Westbound	57+71.32	0.00	744.83
46	Westbound	58+02.37	0.00	744.62
47	Westbound	58+08.22	23.78' RT	744.82
48	Roundabout	1+64.51	13.00' LT	745.56
49	Roundabout	1+64.33	18.00' RT	745.74
50	Roundabout	1+32.45	13.00' LT	745.35

INTERSECTION GRADING PLAN				
ELEVATION TABLE				
POINT NO.	PROFILE GRADE LINE (PGL)	STATION	OFFSET (FT)	ELEV.
51	Roundabout	1+32.30	0.00	745.17
52	Roundabout	1+00.11	13.00' LT	744.87
53	Roundabout	1+00.00	0.00	744.69
54	Roundabout	3+57.54	18.00' RT	745.05
55	Roundabout	3+25.17	13.00' LT	744.39
56	Roundabout	3+25.17	0.00	744.21
57	Roundabout	3+25.17	18.00' RT	744.57
58	Roundabout	2+92.63	13.00' LT	744.19
59	Roundabout	2+92.63	18.00' RT	744.37
60	Roundabout	2+60.28	13.00' LT	744.45
61	Roundabout	2+60.43	0.00	744.27
62	Roundabout	2+28.21	13.00' LT	744.88
63	Roundabout	2+28.33	0.00	744.70
64	Roundabout	2+28.40	18.00' RT	745.06
65	Roundabout	1+96.36	13.00' LT	745.36
66	Roundabout	1+96.36	0.00	745.18
67	Roundabout	1+96.36	18.00' RT	745.54
68	River CL	95+02.20	0.00	750.00
69	Westbound	56+34.30	30.08' RT	745.88
70	Westbound	56+23.18	30.09' RT	745.95
71	Westbound	56+33.74	22.00' RT	745.86
72	Westbound	56+23.08	22.00' RT	745.92
73	Westbound	56+30.25	0.00	745.66
74	Westbound	56+22.90	0.00	745.70
75	Eastbound	56+29.36	0.00	745.36
76	Eastbound	56+21.82	0.00	745.41
77	Eastbound	56+27.07	25.48' LT	745.18
78	Eastbound	56+19.16	24.63' LT	745.23
79	Eastbound	56+25.53	39.97' LT	745.25
80	Eastbound	56+18.05	39.17' LT	745.27
81	Eastbound	55+61.94	23.39' LT	745.37
82	Eastbound	55+50.24	23.39' LT	745.41
83	River CL	94+08.43	20.83' RT	743.43
84	River CL	94+00.71	18.72' RT	743.25
85	River CL	94+05.06	1.61' RT	743.72
86	River CL	94+12.85	3.43' RT	743.91
87	River CL	94+12.50	11.99' LT	743.73
88	River CL	94+04.62	10.45' LT	743.53
89	River CL	93+97.34	37.13' LT	742.92
90	River CL	94+04.85	40.67' LT	743.01
91	Eastbound	58+05.49	64.15' LT	743.87
92	Eastbound	57+76.58	65.93' LT	744.00
93	Eastbound	57+81.85	50.77' LT	743.87
94	Eastbound	57+99.95	49.62' LT	743.75
95	Eastbound	57+84.46	32.87' LT	744.03
96	Eastbound	57+97.05	32.68' LT	743.94
97	Eastbound	57+85.37	22.00' LT	744.23
98	Eastbound	57+95.97	22.00' LT	744.10
99	Eastbound	57+86.54	0.00	744.34
100	Eastbound	57+94.55	0.00	744.29

INTERSECTION GRADING PLAN				
ELEVATION TABLE				
POINT NO.	PROFILE GRADE LINE (PGL)	STATION	OFFSET (FT)	ELEV.
101	Westbound	57+88.63	0.00	744.74
102	Westbound	57+96.63	0.00	744.67
103	Westbound	57+97.07	24.20' RT	744.91
104	Westbound	57+89.08	24.79' RT	744.98
105	Westbound	57+97.26	34.29' RT	744.93
106	Westbound	57+89.23	34.90' RT	745.03
107	Roundabout	2+28.46	48.64' RT	745.24
108	Roundabout	1+96.36	38.53' RT	745.84
109	Roundabout	1+64.28	37.58' RT	746.02
110	Roundabout	2+92.86	51.43' RT	743.45
111	River CL	94+07.48	32.78' RT	743.47
112	River CL	93+98.11	31.03' RT	743.39
113	River CL	93+98.14	53.62' LT	743.13
114	River CL	93+91.62	50.55' LT	742.75
115	Westbound	55+75.40	20.70' RT	746.25
116	Westbound	55+39.24	52.12' RT	745.98
117	Westbound	55+14.56	67.87' RT	746.32
118	Westbound	55+11.00	49.90' RT	746.16
119	Westbound	54+80.90	30.46' RT	746.78
120	Eastbound	56+12.23	37.28' LT	745.89
121	Eastbound	56+31.19	39.32' LT	745.65
122	River CL	94+10.81	36.10' RT	744.13
123	River CL	93+90.96	30.66' RT	743.74
124	Eastbound	56+12.52	31.29' LT	745.77
125	Eastbound	56+32.18	33.40' LT	745.53
126	River CL	94+13.63	30.80' RT	744.04
127	River CL	93+91.25	24.67' RT	743.65
128	Westbound	56+14.92	30.58' RT	746.44
129	Westbound	56+42.49	30.58' RT	746.32
130	Westbound	57+83.29	36.04' RT	745.38
131	Westbound	58+03.30	34.50' RT	745.33
132	Eastbound	57+62.71	57.95' LT	744.29
133	Eastbound	58+12.54	55.09' LT	744.21
134	Eastbound	58+14.25	62.91' LT	744.37
135	Eastbound	57+62.68	65.88' LT	744.45
136	River CL	94+04.32	57.71' LT	743.79
137	River CL	93+84.53	48.38' LT	743.55
138	River CL	93+87.09	40.80' LT	743.39
139	River CL	94+08.54	50.92' LT	743.63
140	Westbound	55+42.14	38.98' RT	746.04
141	Westbound	55+40.29	44.85' RT	746.00
142	Westbound	55+47.56	51.40' RT	746.11
143	Westbound	55+48.19	46.58' RT	746.02
144	Westbound	55+49.61	42.07' RT	746.06
145	Westbound	55+51.73	37.97' RT	746.15
146	Westbound	55+07.58	42.19' RT	746.27
147	Westbound	55+00.69	35.61' RT	746.43
148	Westbound	55+03.98	51.39' RT	746.38
149	Westbound	55+01.26	47.22' RT	746.29
150	Westbound	54+95.95	42.16' RT	746.45
151	Westbound	54+91.66	39.63' RT	746.54

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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

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

**RIVER ROAD AT ROBERTS ROAD**  
**INTERSECTION GRADING PLAN**

SCALE: 1"=10" SHEET 83 OF 183 SHEETS STA. TO STA.

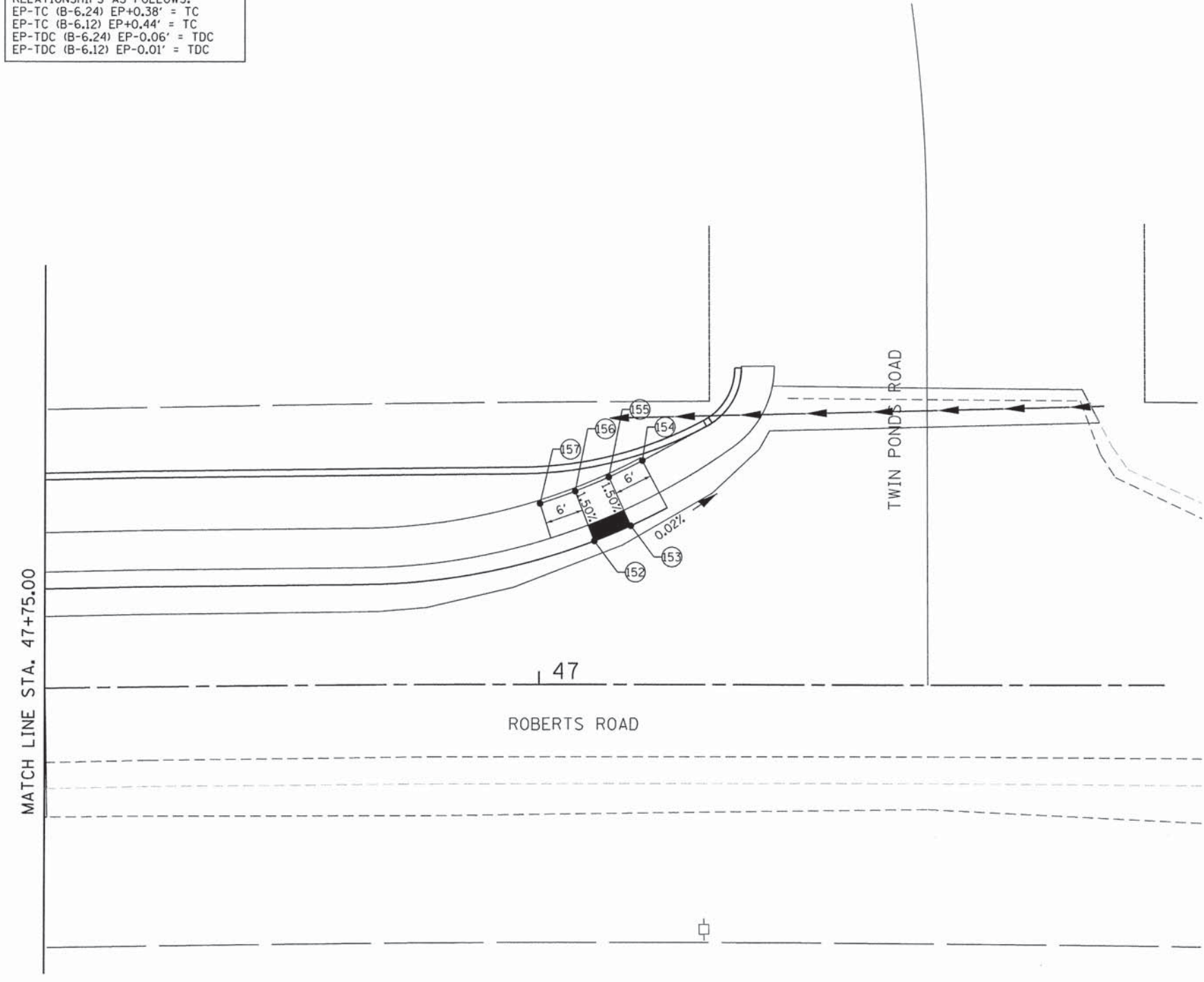
F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 83
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

CONTRACTOR TO UTILIZE  
 "DEPRESSED CURB ADJACENT  
 TO CURB RAMP ACCESSIBLE  
 TO THE DISABLED" PORTION  
 OF IDOT HWY STD. 606001-05  
 FOR ESTABLISHING THE  
 EP-TOP OF DEPRESSED CURB  
 REPLATIONSHIP ON ALL CURB RAMPS

RELATIONSHIPS AS FOLLOWS:  
 EP-TC (B-6.24) EP+0.38' = TC  
 EP-TC (B-6.12) EP+0.44' = TC  
 EP-TDC (B-6.24) EP-0.06' = TDC  
 EP-TDC (B-6.12) EP-0.01' = TDC



INTERSECTION GRADING PLAN				
ELEVATION TABLE				
POINT NO.	PROFILE GRADE LINE (PGL)	STATION	OFFSET (FT)	ELEV.
152	River CL	46+91.66	21.86' RT	749.48
153	River CL	46+86.13	24.18' RT	749.47
154	River CL	46+84.40	34.04' RT	749.58
155	River CL	46+89.48	31.53' RT	749.49
156	River CL	46+94.57	29.40' RT	749.50
157	River CL	46+99.90	27.53' RT	749.56



FILE NAME: F:\877-918 River Roberts Phase I\CAADD\SHEETS\877-918\_SHT\_IDP\_03.dgn



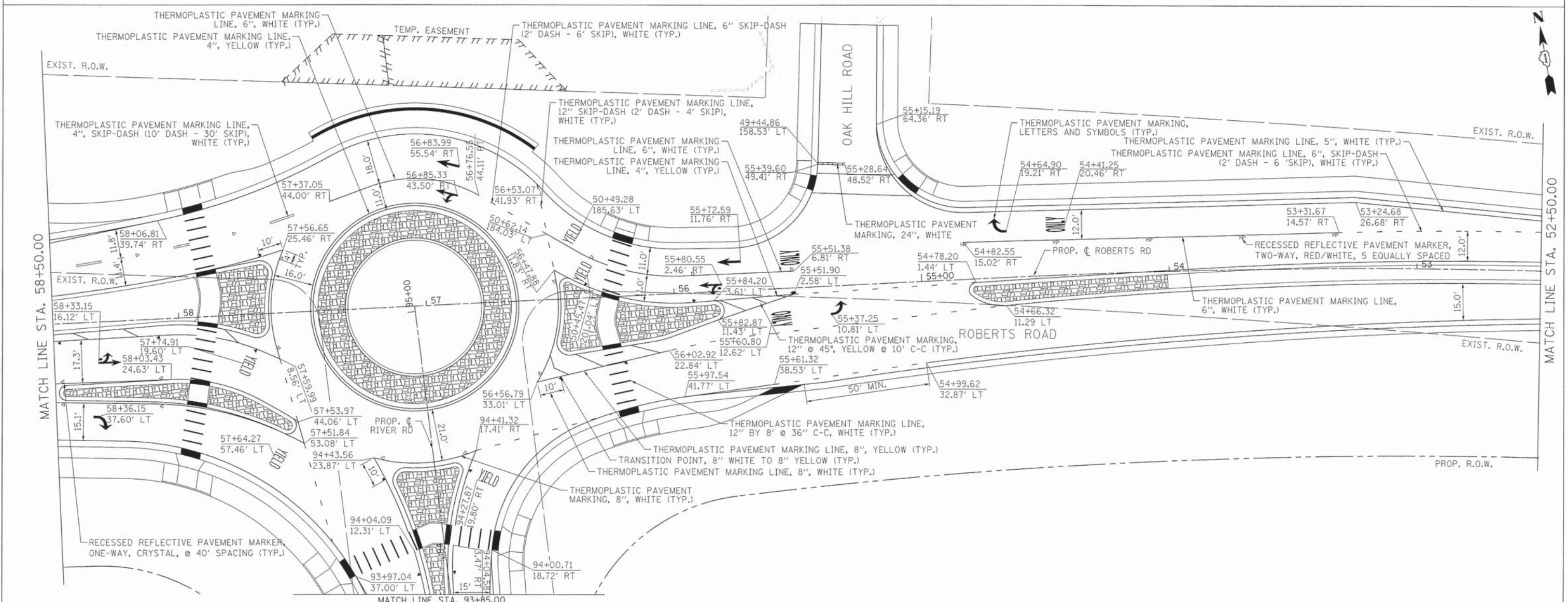
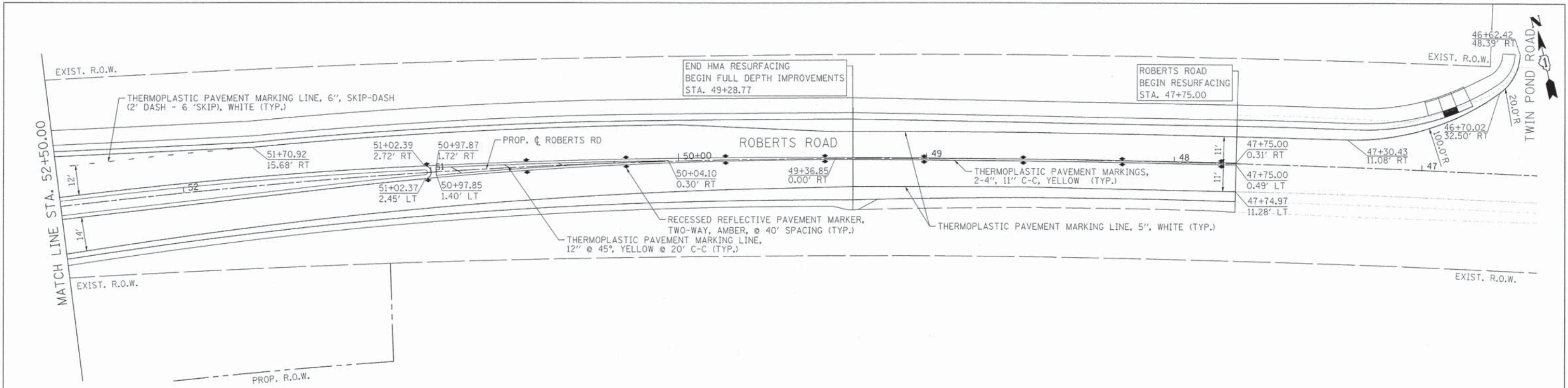
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	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD AT ROBERTS ROAD  
 INTERSECTION GRADING PLAN**

SCALE: 1"=10"      SHEET 84 OF 183 SHEETS      STA.      TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	84
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



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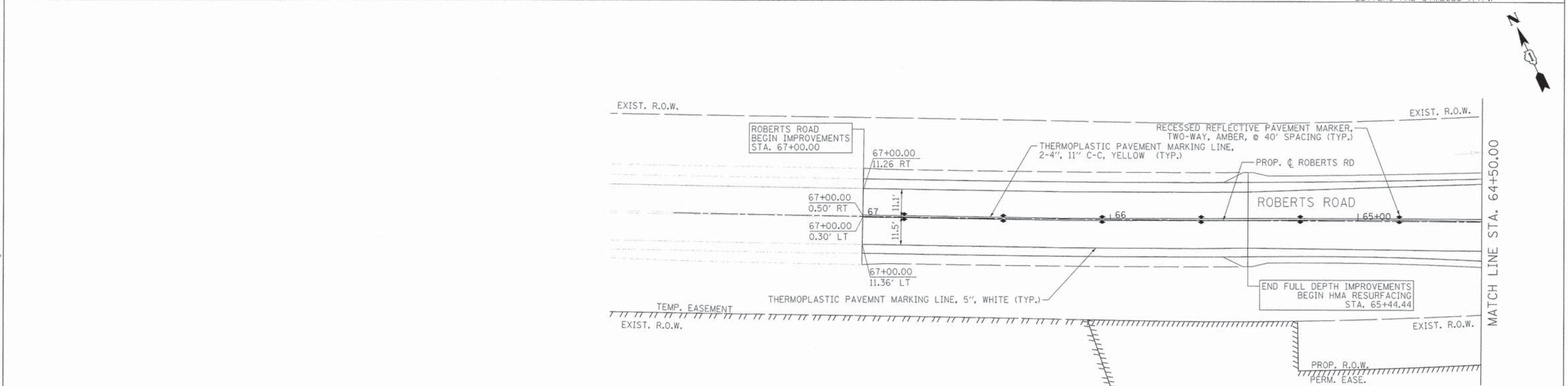
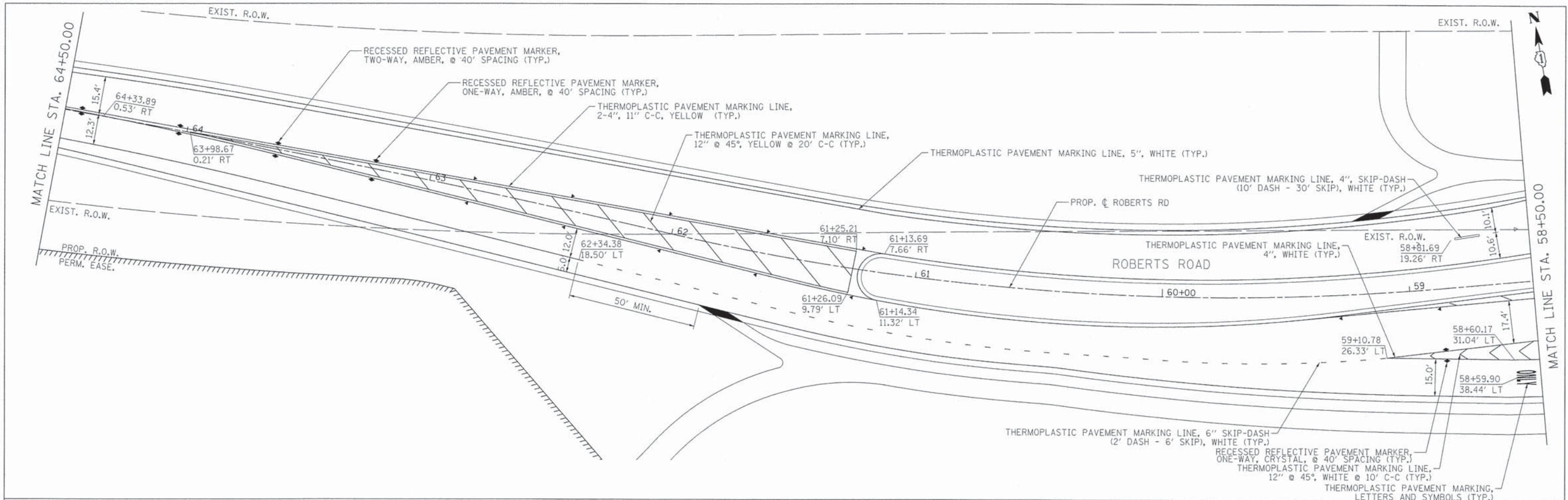
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		DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROBERTS ROAD  
PAVEMENT MARKING PLAN**

SCALE: 1"=20'      SHEET 85 OF 183 SHEETS      STA. 47+75.00 TO STA. 58+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	85
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



FILE NAME = F:\1877-910 River Roberts Phase I\CAD\00.SHEETS\877-810-SHT\_PMK\_02.dgn

**Bollinger, Lach & Associates, Inc.**  
 ILLINOIS

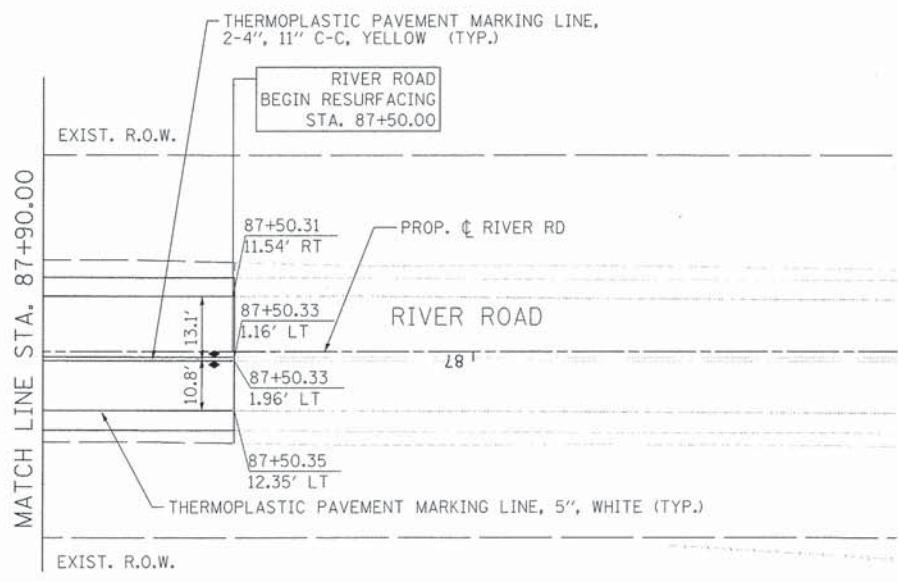
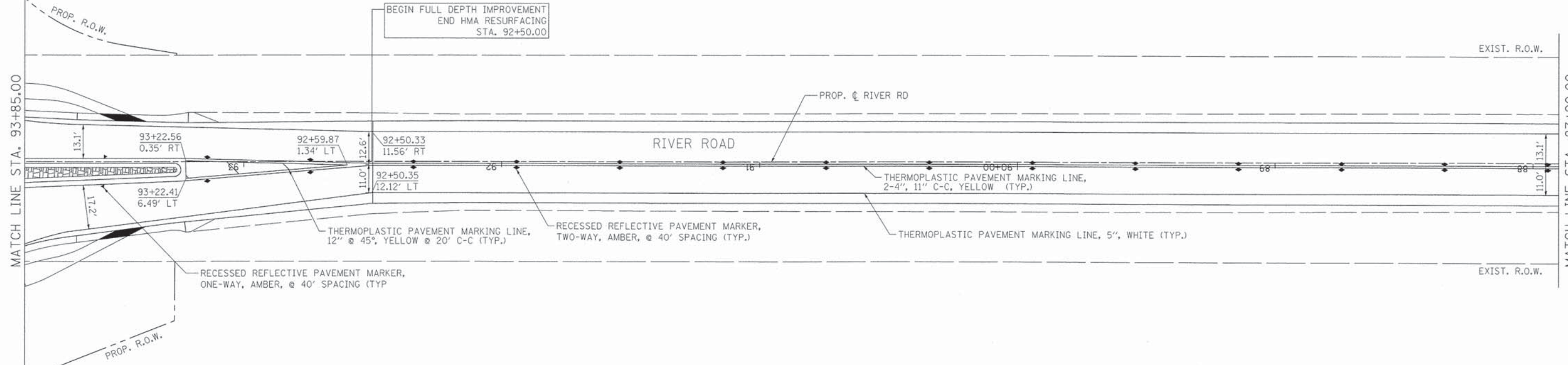
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	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROBERTS ROAD  
 PAVEMENT MARKING PLAN**

SCALE: 1"=20'    SHEET 86 OF 183 SHEETS    STA. 58+50.00 TO STA. 67+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	86
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



FILE NAME = F:\B77-018 River\_Roberts Phase I\CAD\00\_SHEETS\B77-018\_SHT\_PMK\_03.dgn



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	DATE - 11/08/2013	REVISED -

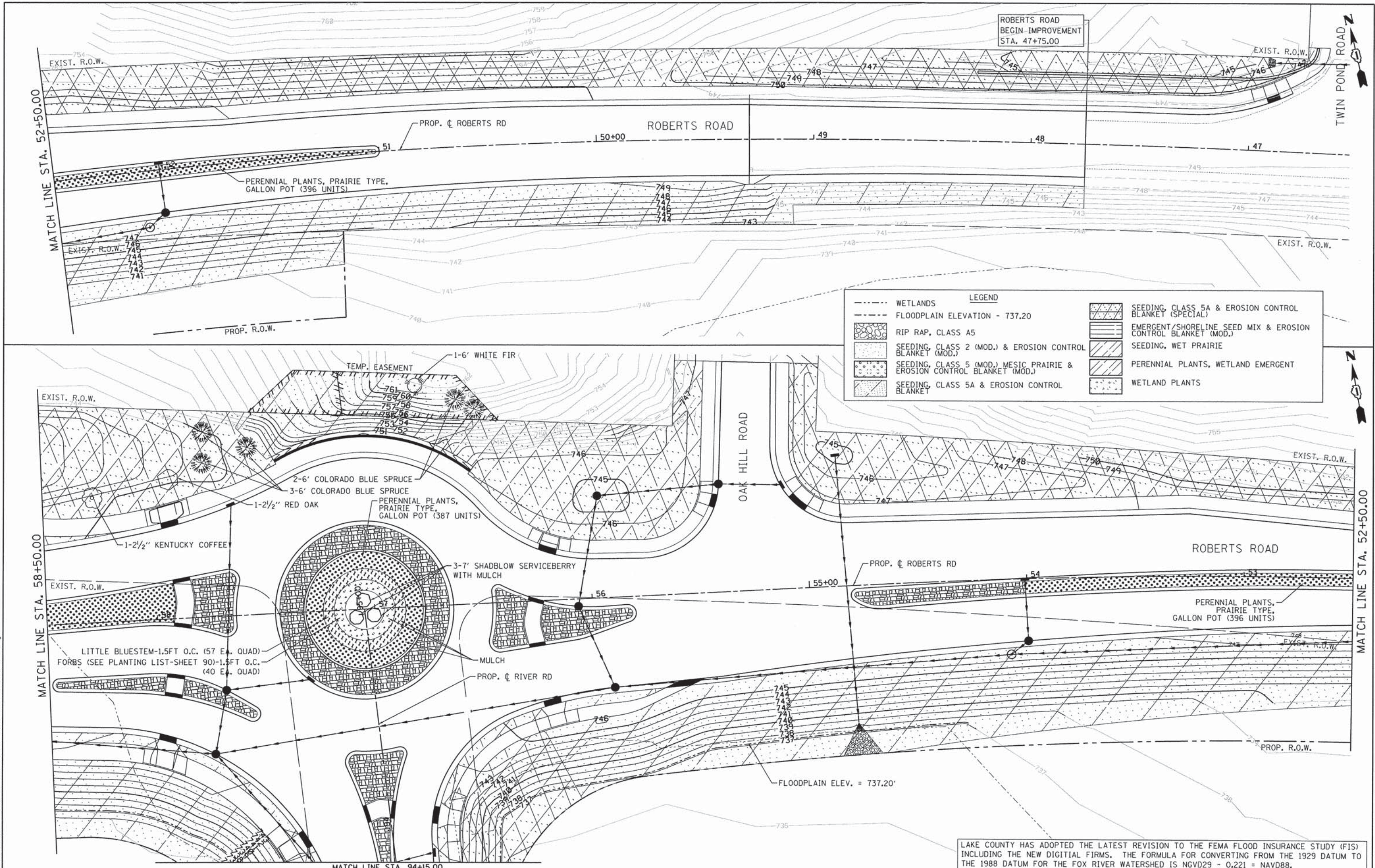
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD  
PAVEMENT MARKING PLAN**

SCALE: 1"=20'    SHEET 87 OF 183 SHEETS    STA. 93+85.00 TO STA. 87+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	87
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

FILE NAME = F:\877-018 River Roberts Phase II\CADD\SHEETS\877-018\_SHT\_LANDSCAPING\_01.dgn



**Bollinger, Lach & Associates, Inc.**  
ITASCA, ILLINOIS

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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

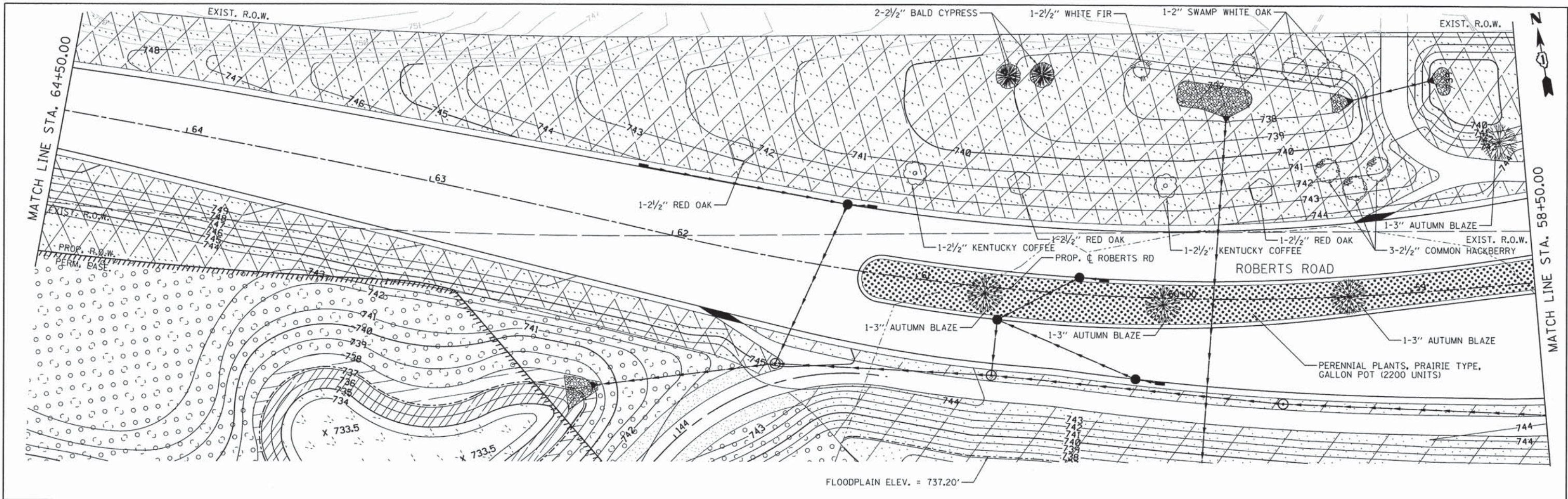
**ROBERTS ROAD  
LANDSCAPING PLAN**

SCALE: 1"=20'    SHEET 88 OF 183 SHEETS    STA. 47+75.00 TO STA. 58+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	88
			CONTRACT NO. 63875	
ILLINOIS FED. AID PROJECT				

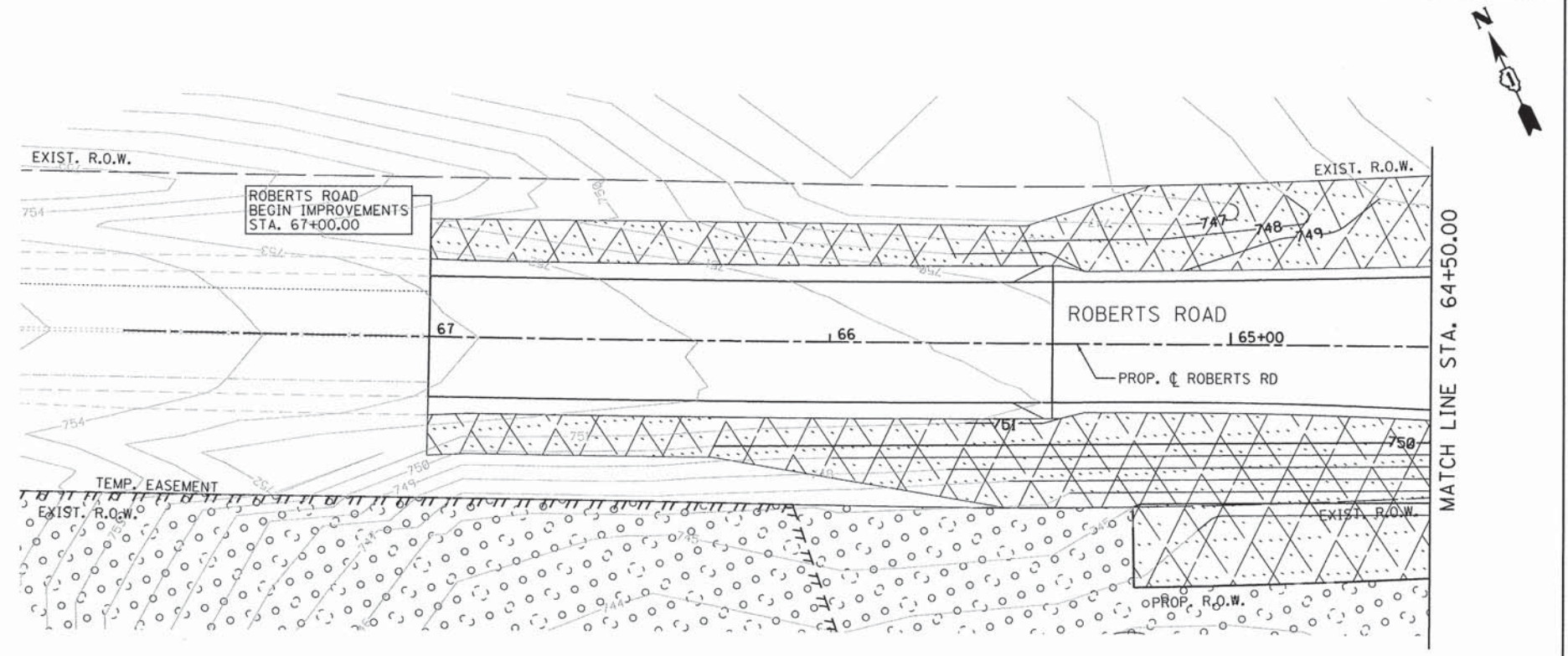
LAKE COUNTY HAS ADOPTED THE LATEST REVISION TO THE FEMA FLOOD INSURANCE STUDY (FIS) INCLUDING THE NEW DIGITAL FIRMS. THE FORMULA FOR CONVERTING FROM THE 1929 DATUM TO THE 1988 DATUM FOR THE FOX RIVER WATERSHED IS NGVD29 - 0.221 = NAVD88.





**LEGEND**

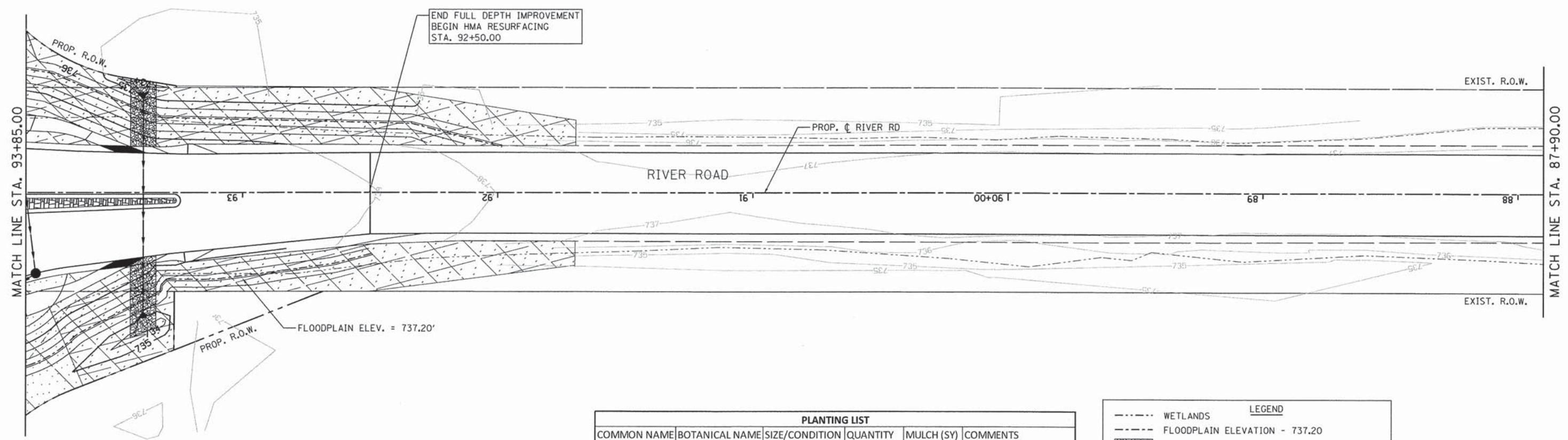
- WETLANDS
- FLOODPLAIN ELEVATION - 737.20
- [Pattern] RIP RAP, CLASS A5
- [Pattern] SEEDING, CLASS 2 (MOD.) & EROSION CONTROL BLANKET (MOD.)
- [Pattern] SEEDING, CLASS 5 (MOD.) MESIC PRAIRIE & EROSION CONTROL BLANKET (MOD.)
- [Pattern] SEEDING, CLASS 5A & EROSION CONTROL BLANKET
- [Pattern] SEEDING, CLASS 5A & EROSION CONTROL BLANKET (SPECIAL)
- [Pattern] EMERGENT/SHORELINE SEED MIX & EROSION CONTROL BLANKET (MOD.)
- [Pattern] SEEDING, WET PRAIRIE
- [Pattern] PERENNIAL PLANTS, WETLAND EMERGENT
- [Pattern] WETLAND PLANTS



LAKE COUNTY HAS ADOPTED THE LATEST REVISION TO THE FEMA FLOOD INSURANCE STUDY (FIS) INCLUDING THE NEW DIGITAL FIRMS. THE FORMULA FOR CONVERTING FROM THE 1929 DATUM TO THE 1988 DATUM FOR THE FOX RIVER WATERSHED IS NGVD29 - 0.221 = NAVD88.

<p><b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS</p>	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p>	<p><b>ROBERTS ROAD</b> <b>LANDSCAPING PLAN</b></p>		F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 89
	PLOT SCALE = #SCALE#	CHECKED - DBB	REVISED -		SCALE: 1"=20'	SHEET 89 OF 183 SHEETS	STA. 58+50.00 TO STA. 67+00.00	<p>CONTRACT NO. 63875</p>			
PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -		ILLINOIS FED. AID PROJECT							

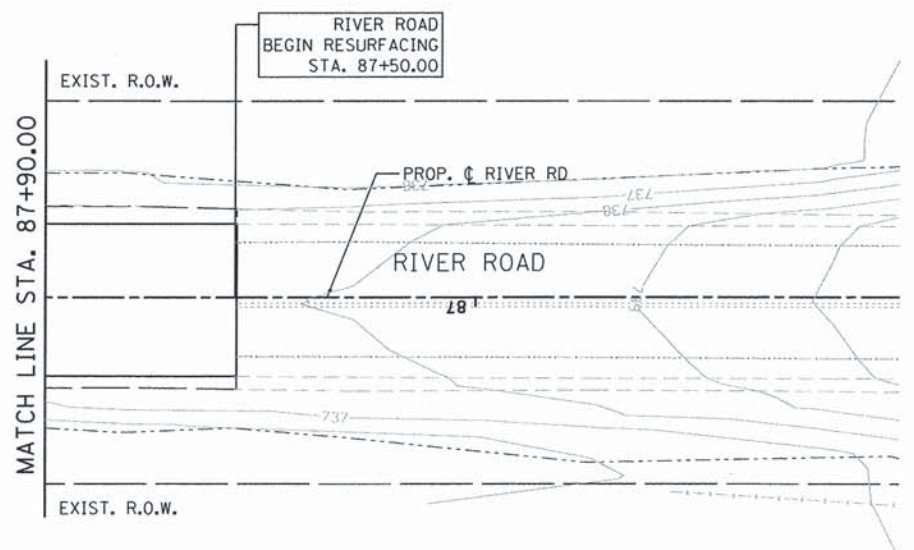
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LAKE COUNTY HAS ADOPTED THE LATEST REVISION TO THE FEMA FLOOD INSURANCE STUDY (FIS) INCLUDING THE NEW DIGITAL FIRMS. THE FORMULA FOR CONVERTING FROM THE 1929 DATUM TO THE 1988 DATUM FOR THE FOX RIVER WATERSHED IS NGVD29 - 0.221 = NAVD88.

PLANTING LIST					
COMMON NAME	BOTANICAL NAME	SIZE/CONDITION	QUANTITY	MULCH (SY)	COMMENTS
WALKER'S LOW CATMINT	NEPETA FAASENII 'WALKER'S LOW'	1 GAL	387	128	SPACED 1.5 FT. IN 4 ROWS (CENTER ISLAND)
WALKER'S LOW CATMINT	NEPETA FAASENII 'WALKER'S LOW'	1 GAL	396	174	SPACED 1.5 FT. IN 2 ROWS (EAST MEDIAN)
WALKER'S LOW CATMINT	NEPETA FAASENII 'WALKER'S LOW'	1 GAL	2200	535	SPACED 1.5 FT. IN 10 ROWS (WEST MEDIAN)
LITTLE BLUESTEM	SCHIZACHYRIUM SCOPARIUM	PLANT "PLUG"	228	58	NATIVE GRASS; SPACED 1.5 FT. IN 3 ROWS
NATIVE WILDFLOWERS, SPECIES NOTED BELOW		PLANT "PLUG"	160	40	NATIVE WILDFLOWERS (FORBS); SPACED IN 3 ROWS; PLANTS APPROX. 3 OF EACH SPECIES IN PROXIMITY TO EACH OTHER
BUTTERFLY MILKWEED	AESCLEPIAS TUBEROSA	PLANT "PLUG"	20		
PURPLE CONEFLOWER	ECHINACEA PURPREA	PLANT "PLUG"	20		
SKY BLUE ASTER	ASTER AZUREUS	PLANT "PLUG"	20		
PRAIRIE COREPSIS	COREPSIS PALMATA	PLANT "PLUG"	20		
PRAIRIE BLAZING STAR	LIARIS PYCNOSTACHYA	PLANT "PLUG"	20		
WILD MONARDA	MONARDA FISTULOSA	PLANT "PLUG"	20		
BLACK-EYED SUSAN	RUDBEKIA HIRTA	PLANT "PLUG"	20		
GOLDEN ALEXANDER	ZIZIA AUREA	PLANT "PLUG"	20		

LEGEND	
-----	WETLANDS
-----	FLOODPLAIN ELEVATION - 737.20
[Symbol]	RIP RAP, CLASS A5
[Symbol]	SEEDING, CLASS 2 (MOD.) & EROSION CONTROL BLANKET (MOD.)
[Symbol]	SEEDING, CLASS 5 (MOD.) MESIC PRAIRIE & EROSION CONTROL BLANKET (MOD.)
[Symbol]	SEEDING, CLASS 5A & EROSION CONTROL BLANKET
[Symbol]	SEEDING, CLASS 5A & EROSION CONTROL BLANKET (SPECIAL)
[Symbol]	EMERGENT/SHORELINE SEED MIX & EROSION CONTROL BLANKET (MOD.)
[Symbol]	SEEDING, WET PRAIRIE
[Symbol]	PERENNIAL PLANTS, WETLAND EMERGENT
[Symbol]	WETLAND PLANTS



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**Bollinger, Lach & Associates, Inc.**  
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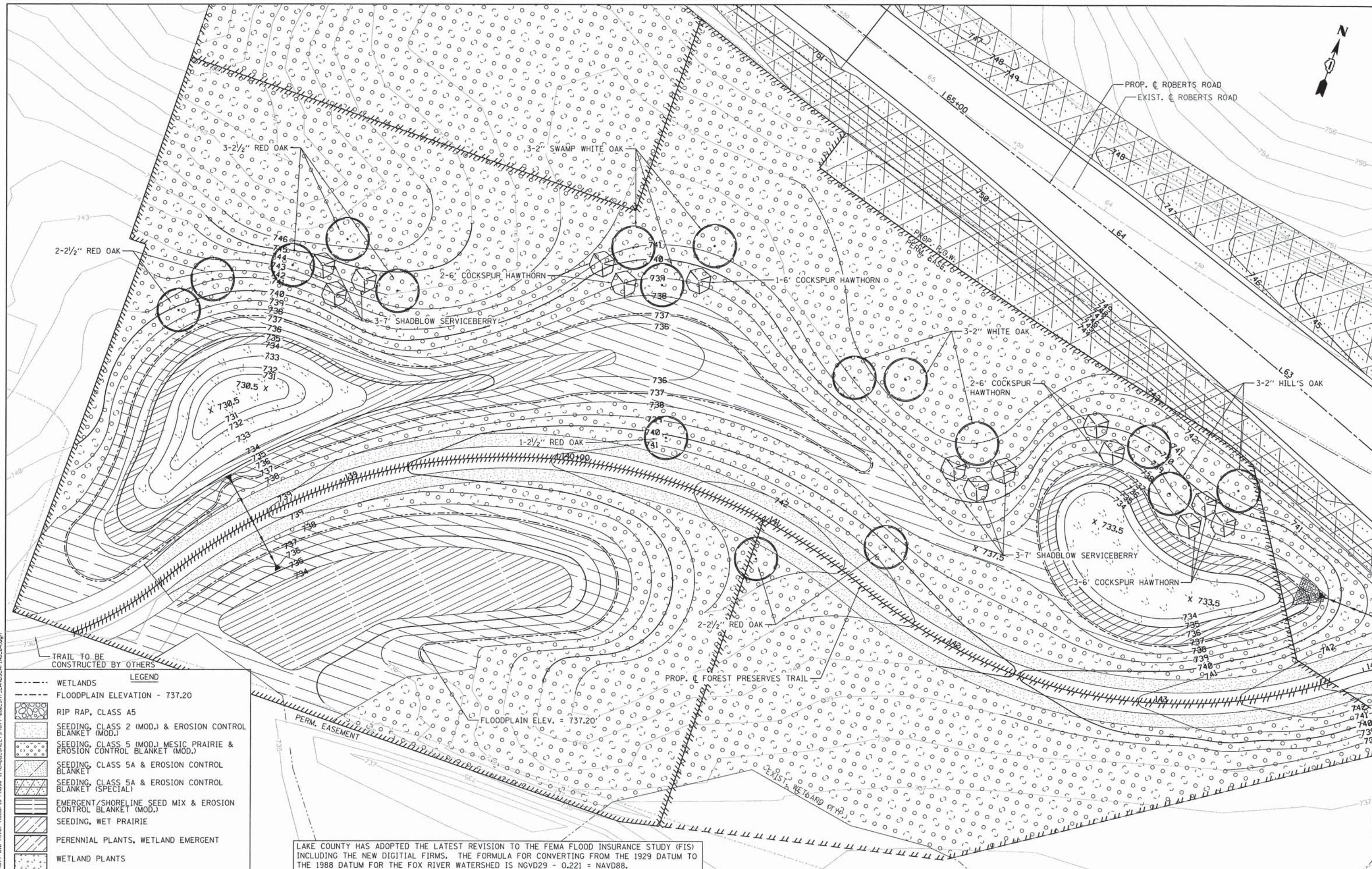
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	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD  
LANDSCAPING PLAN**

SCALE: 1"=20' SHEET 90 OF 183 SHEETS STA. 93+85.00 TO STA. 87+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	90
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



FILE NAME = F:\B77-918 River Roberts Phase I\CAD\DWG\SHEETS\B77-918\_SHT\_LANDSCAPING\_04.dwg

LEGEND	
	WETLANDS
	FLOODPLAIN ELEVATION - 737.20
	RIP RAP, CLASS A5
	SEEDING, CLASS 2 (MOD.) & EROSION CONTROL BLANKET (MOD.)
	SEEDING, CLASS 5 (MOD.) MESIC PRAIRIE & EROSION CONTROL BLANKET (MOD.)
	SEEDING, CLASS 5A & EROSION CONTROL BLANKET
	SEEDING, CLASS 5A & EROSION CONTROL BLANKET (SPECIAL)
	EMERGENT/SHORELINE SEED MIX & EROSION CONTROL BLANKET (MOD.)
	SEEDING, WET PRAIRIE
	PERENNIAL PLANTS, WETLAND EMERGENT
	WETLAND PLANTS

LAKE COUNTY HAS ADOPTED THE LATEST REVISION TO THE FEMA FLOOD INSURANCE STUDY (FIS) INCLUDING THE NEW DIGITAL FIRMS. THE FORMULA FOR CONVERTING FROM THE 1929 DATUM TO THE 1988 DATUM FOR THE FOX RIVER WATERSHED IS NGVD29 - 0.221 = NAVD88.

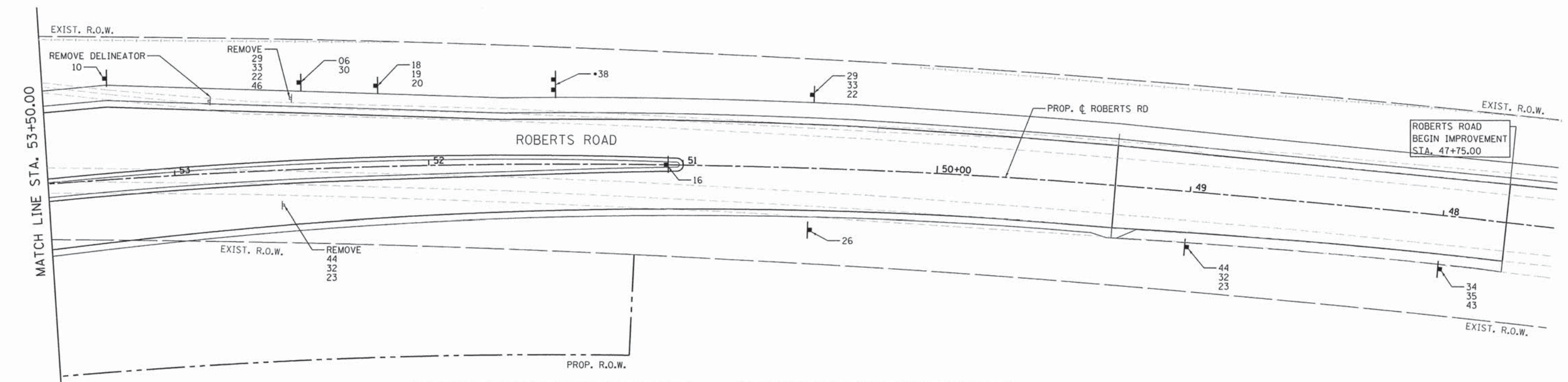
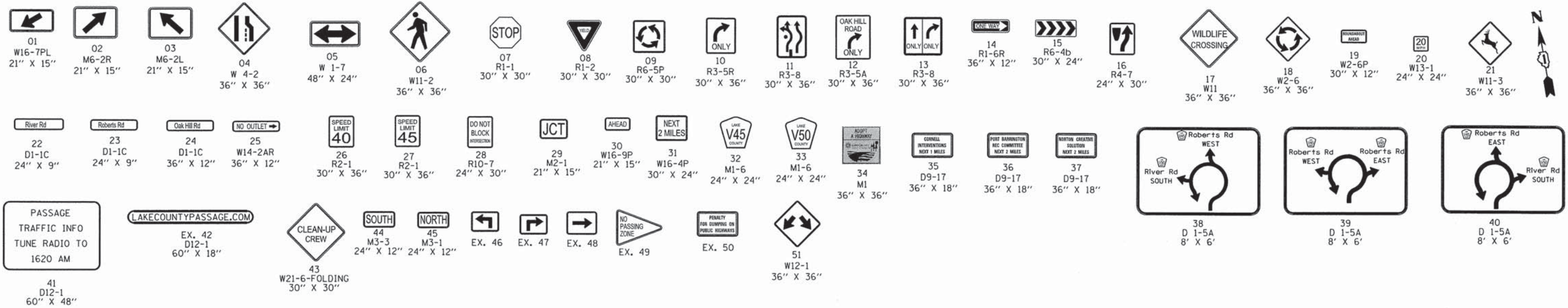


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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>FOREST PRESERVES TRAIL LANDSCAPING PLAN</b>			
SCALE: 1"=20"	SHEET 91 OF 183 SHEETS	STA. 138+00.00 TO STA. 144+91.42	

F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 91
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



STATION	OFFSET	SIGN NO.	SIZE	SIGN TYPE	AREA (SF)	POST LENGTH (FT)	BASE
47+99.1	21.11' LT	34	36X36	1	9.00	18	-
		35	36X18	1	4.50		
		43	30X30	1	6.25		
48+99.5	21.86' LT	44	24X12	1	2.00	15	-
		32	24X24	1	4.00		
		23	24X9	1	1.50		
50+49.24	24.34' LT	26	30X36	1	7.50	14	-
50+50.22	29.04' RT	29	21X15	1	2.19	15	-
		33	24X24	1	4.00		
		22	24X9	1	1.50		
51+06.63	0.00' LT	16	24X30	1	5.00	14	-
51+50.86	31.36' RT	*38	8'X6'	*	48.00	-	-
52+20.22	32.06' RT	18	36X36	1	9.00	17	-
		19	30X12	1	2.50		
		20	24X24	1	4.00		
52+50.00	34.34' RT	6	36X36	1	9.00	15	-
		30	21X15	1	2.19		

STATION	OFFSET	SIGN NO.	SIZE	SIGN TYPE	AREA (SF)	POST LENGTH (FT)	BASE
47+99.1	21.11' LT	34	36X36	1	9.00	18	-
		35	36X18	1	4.50		
		43	30X30	1	6.25		
52+53.36	28.13' RT	29	21X15	REM	2.19	REM	-
		33	24X24	REM	4		
		22	24X9	REM	1.5		
52+57.80	13.85' LT	44	24X12	REM	2	REM	-
		32	24X24	REM	4		
		23	24X9	REM	2.19		
53+25.22	40.00' RT	10	30X36	1	7.50	14	-
TOTAL NEW SIGN PANEL AND POST		1	81.63			122	0
TOTAL REMOVE SIGN PANEL ASSEMBLY		A				1 EACH	
		B				1 EACH	

NOTE: ASTERISK (\*) PAID FOR AS INSTALL EXTRUDED SIGN PANEL (SF)

**LEGEND**

- PROPOSED SIGN ON WOOD OR METAL POSTS
- EXISTING SIGN ON WOOD OR METAL POSTS
- XX SIGN NUMBER
- REL. RELOCATED SIGN LOCATION

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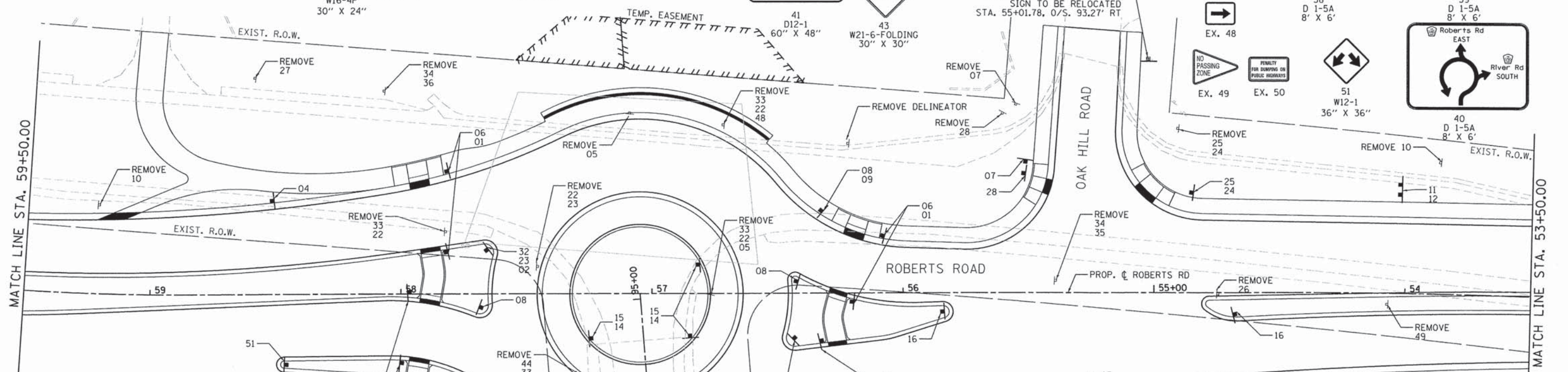
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	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROBERTS ROAD  
SIGNAGE PLAN**

SCALE: 1"=20"    SHEET 92 OF 183 SHEETS    STA. 47+75.00 TO STA. 53+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	92
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



STATION	OFFSET	SIGN NO.	SIZE	SIGN TYPE	AREA (SF)	POLE LENGTH (FT)	BASE
53+86.82	52.38' RT	10	30X36	REM	7.5	REM	-
54+02.55	41.25' RT	11	30X36	1	7.50	2X14	-
54+07.18	4.46' LT	49	48X48X3	REM	6.00	REM	-
54+67.61	8.65' LT	16	24X30	1	5.00	14	-
54+74.54	0.48' LT	26	30X36	REM	7.50	REM	-
54+84.99	39.90' RT	25	36X12	1	3.00	13	-
54+90.42	65.49' RT	24	36X12	1	3.00	13	-
55+34.20	45.60' LT	5	48X24	1	8.00	13	-
55+39.26	4.85' RT	34	36X36	REM	9.00	REM	-
55+51.17	52.26' RT	7	30X30	1	6.25	14	-
55+52.02	47.69' RT	28	24X30	1	5.00	14	-
55+54.92	75.15' RT	7	30X30	REM	6.25	REM	-
55+60.30	71.61' RT	28	24X30	REM	5.00	REM	-
55+84.38	7.56' LT	16	24X30	1	5.00	11	1
56+08.20	22.83' RT	6	36X36	1	9.00	15	-
56+20.53	3.41' LT	6	36X36	1	9.00	11	1
56+30.30	51.72' LT	6	36X36	1	9.00	15	-
		1	21X15	1	2.19		

**LEGEND**

- PROPOSED SIGN ON WOOD OR METAL POSTS
- EXISTING SIGN ON WOOD OR METAL POSTS
- XX SIGN NUMBER
- REL. RELOCATED SIGN LOCATION

STATION	OFFSET	SIGN NO.	SIZE	TYPE	AREA (SF)	POLE LENGTH (FT)	BASE
56+32.42	18.99' LT	6	36X36	1	9.00	11	1
		1	21X15	1	2.19		
56+32.78	33.10' RT	8	30X30	1	6.25	16	-
		9	30X30	1	6.25		
56+42.74	4.86' RT	8	30X30	1	6.25	10	1
56+43.24	17.80' LT	32	24X24	1	4.00		
		23	24X9	1	1.50	11	1
		2	21X15	1	2.19		

STATION	OFFSET	SIGN NO.	SIZE	TYPE	AREA (SF)	POLE LENGTH (FT)	BASE
56+71.55	67.30' RT	33	24X24	4.00	REM	-	
		22	24X9	1.50	REM	-	
		48	21X15	2.19			
56+76.62	0.08' RT	33	24X24	4.00	REM	-	
		22	24X9	1.50	REM	-	
		5	48X24	8.00			
56+81.86	11.59' RT	15	30X24	1	5.00	14	-
		14	36X12	1	3.00		

STATION	OFFSET	SIGN NO.	SIZE	TYPE	AREA (SF)	POLE LENGTH (FT)	BASE
56+84.80	16.75' LT	15	30X24	1	5.00	14	-
		14	36X12	1	3.00		
57+08.79	72.11' RT	5	48X24	REM	8.00	REM	-
57+24.12	17.89' LT	15	30X24	1	5.00	14	-
		14	36X12	1	3.00		
57+28.50	32.47' LT	44	24X12	REM	2.00	REM	-
		33	24X24	4.00			
57+45.53	10.89' RT	22	24X9	REM	1.50	REM	-
		23	24X9	1.50			
57+58.21	45.35' LT	8	30X30	1	6.25	12	1
		9	30X30	1	6.25		
		32	24X24	1	4.00		
57+65.88	17.41' RT	23	24X9	1	1.50	11	1
		2	21X15	1	2.19		
57+67.97	5.58' LT	8	30X30	1	6.25	10	1
57+68.32	73.62' LT	8	30X30	1	6.25	17	-
		10	30X36	1	7.50		
57+82.20	24.85' RT	33	24X24	REM	4.00	REM	-
		22	24X9	1.50			
57+82.24	16.72' RT	6	36X36	1	9.00	11	1
		1	21X15	1	2.19		
57+81.87	48.99' RT	6	36X36	1	9.00	15	-
		1	21X15	1	2.19		
57+96.54	0.81' RT	6	36X36	1	9.00	15	-
		1	21X15	1	2.19		
57+99.55	27.51' LT	6	36X36	1	9.00	11	1
		1	21X15	1	2.19		

STATION	OFFSET	SIGN NO.	SIZE	TYPE	AREA (SF)	POLE LENGTH (FT)	BASE	
58+00.08	32.74' LT	6	36X36	1	9.00	11	1	
		1	21X15	1	2.19			
58+08.53	54.49' LT	6	36X36	1	9.00	15	-	
		1	21X15	1	2.19			
58+06.56	81.05' RT	34	36X36	REM	9.00	REM	-	
		36	36X18	4.50				
58+45.60	28.09' LT	51	36X36	1	9.00	10	1	
58+51.29	37.45' RT	4	36X36	1	9.00	14	-	
58+57.99	86.40' RT	27	30X36	REM	7.50	REM	-	
59+21.38	35.57' RT	10	30X36	REM	7.50	REM	-	
93+90.77	21.38' RT	6	36X36	1	9.00	15	-	
		1	21X15	1	2.19			
94+03.84	1.29' LT	6	36X36	1	9.00	11	1	
		1	21X15	1	2.19			
94+10.81	48.49' LT	6	36X36	1	9.00	15	-	
		1	21X15	1	2.19			
94+08.50	25.67' LT	34	36X36	REM	9.00	REM	-	
		37	36X18	4.50				
94+15.16	9.64' LT	6	36X36	1	9.00	11	1	
		1	21X15	1	2.19			
94+25.82	36.28' RT	8	30X30	1	6.25	16	-	
		9	30X30	1	6.25			
		33	24X24	1	4.00			
94+33.50	13.56' LT	22	24X9	1	1.50	11	1	
		2	21X15	1	2.19			
94+34.26	7.99' RT	8	30X30	1	6.25	10	1	
		1	21X15	1	2.19			
TOTAL NEW SIGN PANEL AND POST					2	0.00	479	16
TOTAL REMOVE SIGN PANEL ASSEMBLY					A		13	EACH
					B		4	EACH

FILE NAME = F:\B77-018 River Roberts Phas I\CAD\00\_SHEETS\B77-018-SHT\_SIGN.B2.dgn

**Bollinger, Lach & Associates, Inc.**  
ITASCA, ILLINOIS

USER NAME = #USER#	DESIGNED - GJE	REVISED -
PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

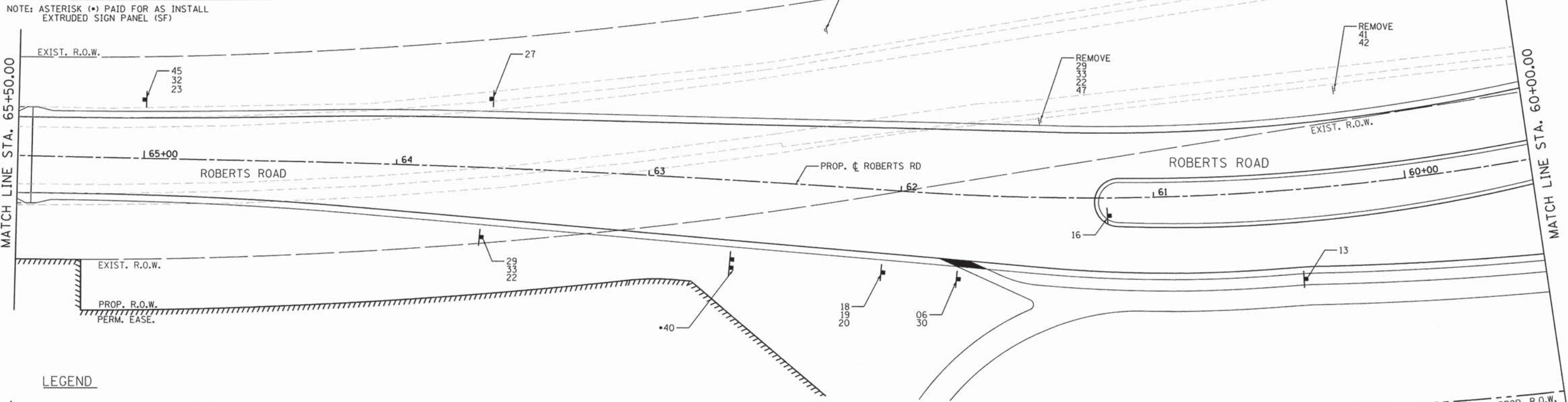
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ROBERTS ROAD**  
**SIGNAGE PLAN**

SCALE: 1"=20" SHEET 93 OF 183 SHEETS STA. 53+50.00 TO STA. 59+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	93
CONTRACT NO. 63875			ILLINOIS FED. AID PROJECT	

STATION	OFFSET	SIGN NO.	SIZE	SIGN TYPE	AREA (SF)	POLE LENGTH (FT)	BASE	
60+03.34	98.03' RT	45	24X12	REM	2	REM	-	
		32	24X24		4			
60+24.52	37.88' RT	41	60X48	REM	20	REM	-	
		42	60X18		7.5			
60+42.34	35.53' LT	13	30X36	1	7.50	14	-	
61+17.48	7.03' LT	16	24X30	1	5.00	14	-	
		29	21X15		1			2.19
61+45.56	30.07' RT	33	24X24	1	4	16	-	
		22	24X9		1			1.5
		47	21X15		1			2.19
		6	36X36		1			9.00
61+75.57	33.41' LT	30	21X15	1	2.19	15	-	
		18	36X36		1			9.00
62+04.83	32.56' LT	19	30X12	1	2.50	17	-	
		20	24X24		1			4.00
62+34.12	61.61' RT	21	36X36	REM	9.00	REM	-	
		31	30X24		5.00			
62+65.20	31.28' LT	40	8'X6'	*	48.00	-	-	
63+63.46	27.24' RT	27	30X36	1	7.50	14	-	
		29	21X15		1			2.19
63+65.26	27.56' LT	33	24X24	1	4.00	15	-	
		22	24X9		1			1.50
65+00.00	23.27' RT	45	24X12	1	2.00	15	-	
		32	24X24		1			4.00
		23	24X9	1	1.50			
TOTAL NEW SIGN PANEL AND POST		1	71.76					
		2	0.00					
			48.00					
TOTAL REMOVE SIGN PANEL ASSEMBLY		A	1 EACH					
		B	2 EACH					

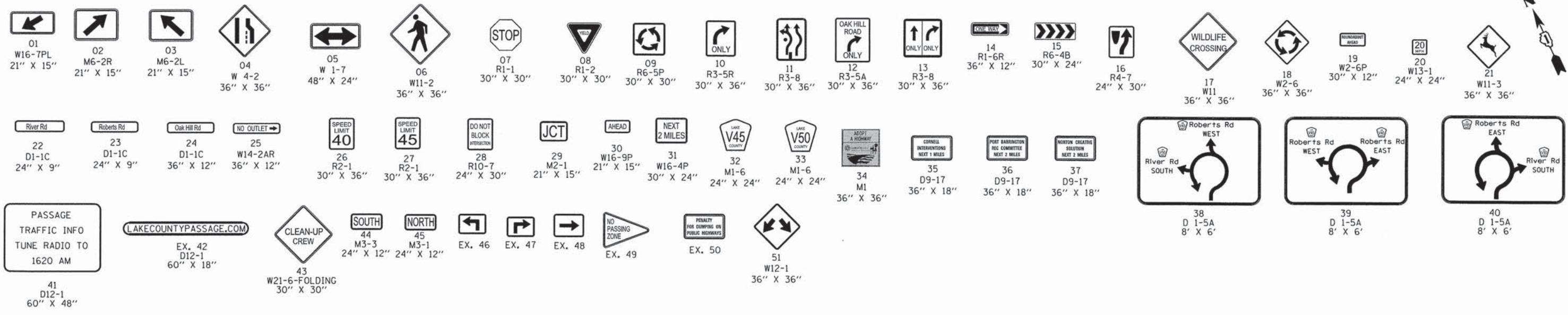


**LEGEND**

- PROPOSED SIGN ON WOOD OR METAL POSTS
- EXISTING SIGN ON WOOD OR METAL POSTS
- XX SIGN NUMBER
- REL. RELOCATED SIGN LOCATION

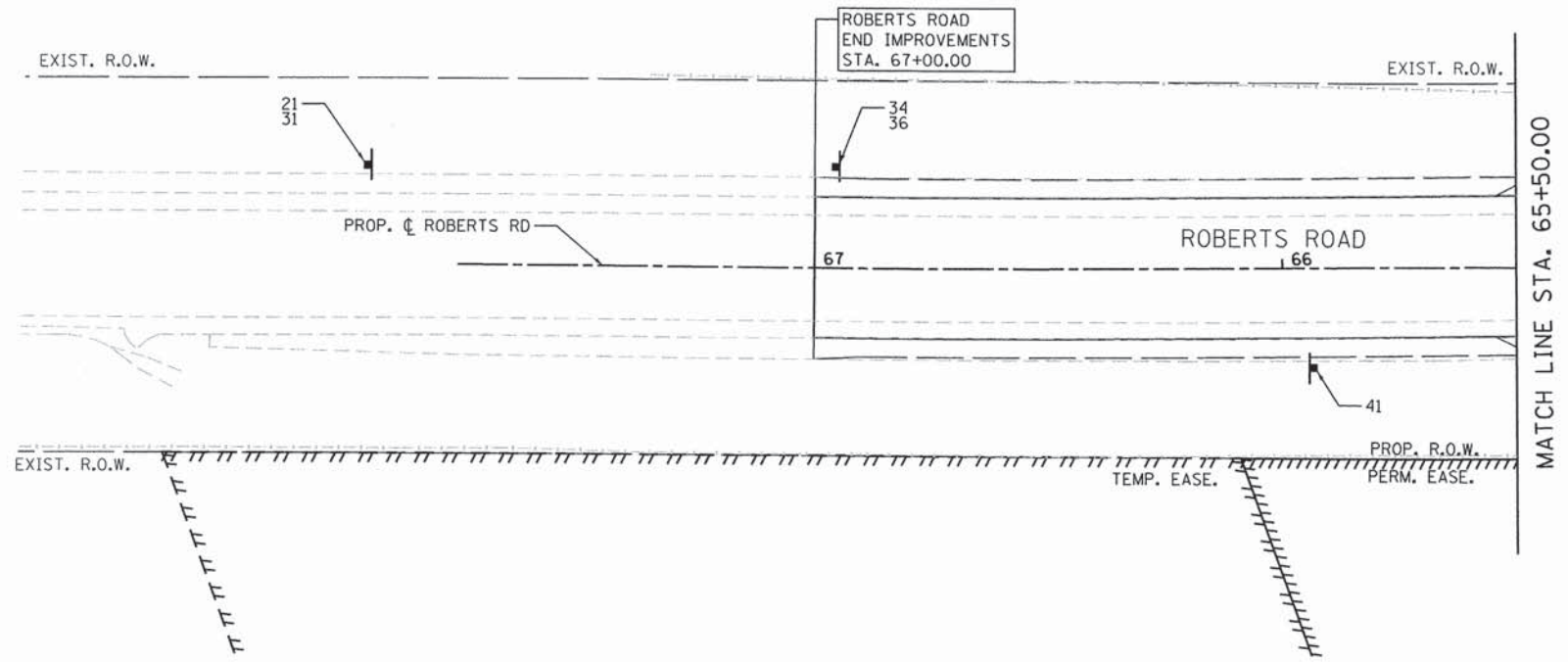
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	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ROBERTS ROAD</b> <b>SIGNAGE PLAN</b>	F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 94
	PLOT SCALE = #SCALE#	CHECKED - DBB	REVISED -			SCALE: 1"=20"	SHEET 94 OF 183 SHEETS	STA. 59+50.00 TO STA. 65+50.00	CONTRACT NO. 63875	
	PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -							



STATION	OFFSET	SIGN NO.	SIZE	SIGN TYPE	AREA (SF)	POLE LENGTH (FT)	BASE
65+93.33	21.32' LT	41	60X48	2	20.00	2X16	-
66+95.72	21.68' RT	34	36X36	1	9.00	15	-
		36	36X18	1	4.50		
67+76.28	21.09' RT	21	36X36	1	9.00	16	-
		31	30X24	1	5.00		
TOTAL NEW SIGN PANEL AND POST				1	27.50	63	0
				2	20.00		
				•	0.00		
TOTAL REMOVE SIGN PANEL ASSEMBLY				A		0	
				B		0	

NOTE: ASTERISK (\*) PAID FOR AS INSTALL EXTRUDED SIGN PANEL (SF)



- LEGEND**
- PROPOSED SIGN ON WOOD OR METAL POSTS
  - EXISTING SIGN ON WOOD OR METAL POSTS
  - SIGN NUMBER
  - RELOCATED SIGN LOCATION

FILE NAME = F:\B77-918 River Roberts Phase I\CAD\00\_SHEETS\B77-918\_SHT\_SIGN\_04.dgn

**Bollinger, Lach & Associates, Inc.**  
ITASCA, ILLINOIS

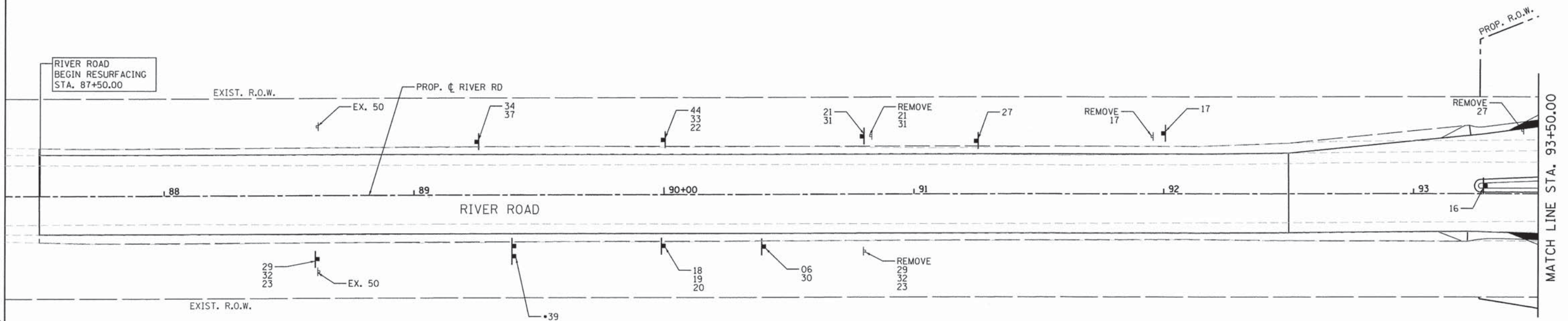
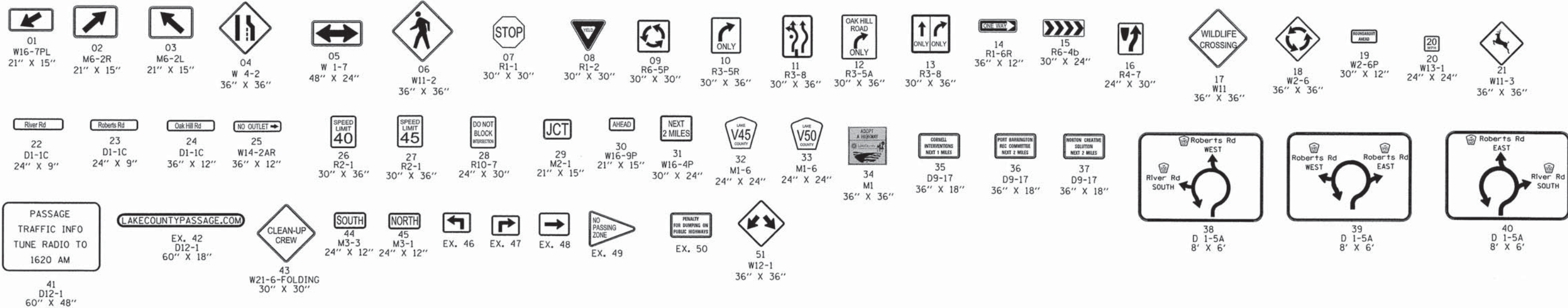
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	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROBERTS ROAD  
SIGNAGE PLAN**

SCALE: 1"=20"    SHEET 95 OF 183 SHEETS    STA. 65+50.00 TO STA. 67+00.00

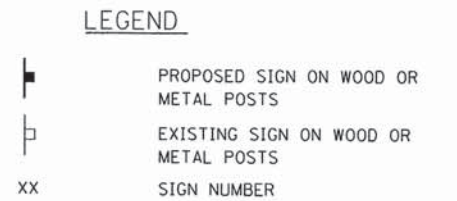
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	95
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



88+61.42	25.50' RT	29	21X15	1	2.19	15	-
		32	24X24	1	4		
		23	24X9	1	1.5		
89+25.10	21.31' LT	34	36X36	1	9.00	16	-
		37	36X18	1	4.50		
89+40.10	20.57' RT	39	8'X6'		48.00	-	-
		44	24X12	1	2.00		
89+99.72	21.97' LT	33	24X24	1	4.00	15	-
		22	24X9	1	1.50		
		18	36X36	1	9.00		
89+99.87	20.58' RT	19	30X12	1	2.50	17	-
		20	24X24	1	4.00		
90+40.00	20.96' RT	6	36X36	1	9.00	15	-
		30	21X15	1	2.19		
90+79.14	23.24' LT	21	36X36	1	9.00	16	-
		31	30X24	1	5.00		

88+61.42	25.50' RT	29	21X15	1	2.19	15	-
		32	24X24	1	4		
		23	24X9	1	1.5		
89+25.10	21.31' LT	34	36X36	1	9.00	16	-
		29	21X15		2.19		
90+80.15	22.87' RT	32	24X24	REM	4.00	REM	-
		23	24X9		1.50		
90+82.77	23.43' LT	21	36X36	REM	9.00	REM	-
		31	30X24		5.00		
91+24.88	21.23' LT	27	30X36	1	7.50		-
91+95.41	22.94' LT	17	36X36	REM	9.00	REM	-
91+99.89	24.19' LT	17	36X36	1	9.00	14	-
93+28.90	3.14' LT	16	24X30	1	5.00	10	1
93+43.74	25.39' LT	27	30X36	REM	7.50	REM	-

88+61.42	25.50' RT	29	21X15	1	2.19	15	-
		32	24X24	1	4		
		23	24X9	1	1.5		
89+25.10	21.31' LT	34	36X36	1	9.00	16	-
		37	36X18	1	4.50		
		TOTAL NEW SIGN PANEL AND POST		1	90.88		
				2	0.00	118	1
				• 48.00			
		TOTAL REMOVE SIGN PANEL ASSEMBLY		A	3 EACH		
				B	1 EACH		



FILE NAME = F:\B77-018 River Roberts Phase 1\CAD\00\_SHEETS\B77-018\_SHT\_SIGN\_05.dgn

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ITASCA, ILLINOIS

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PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

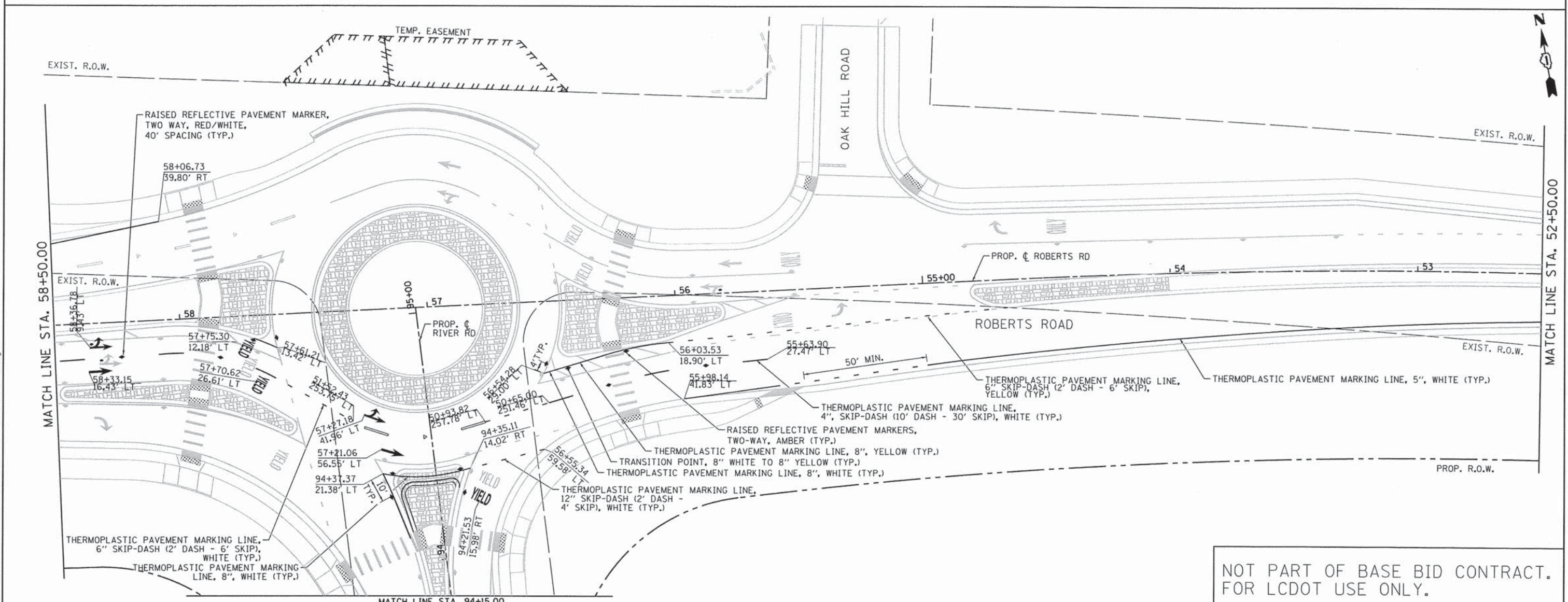
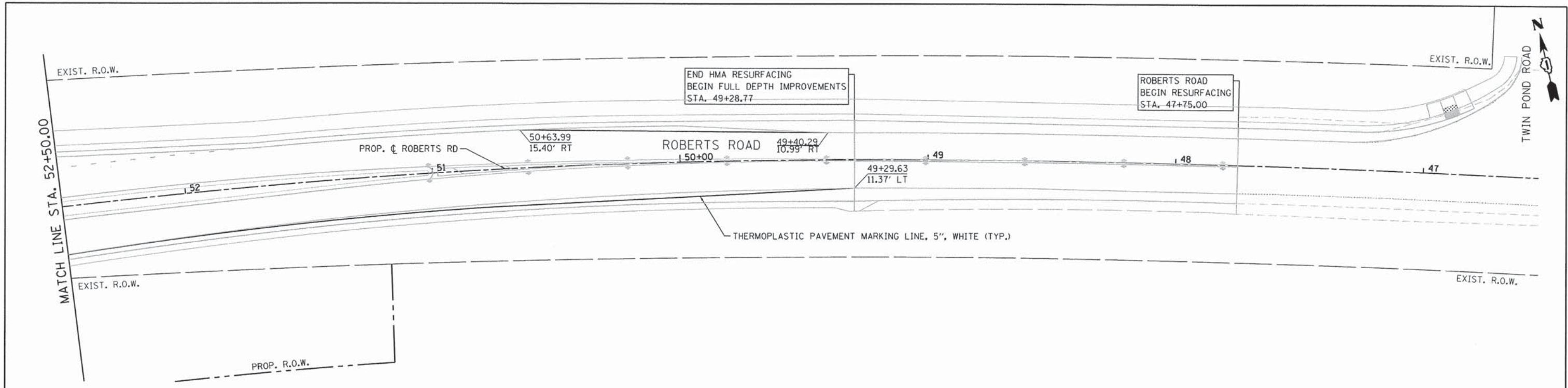
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD  
SIGNAGE PLAN**

SCALE: 1"=20"    SHEET 96 OF 183 SHEETS    STA. 93+50.00 TO STA. 87+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	96
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				

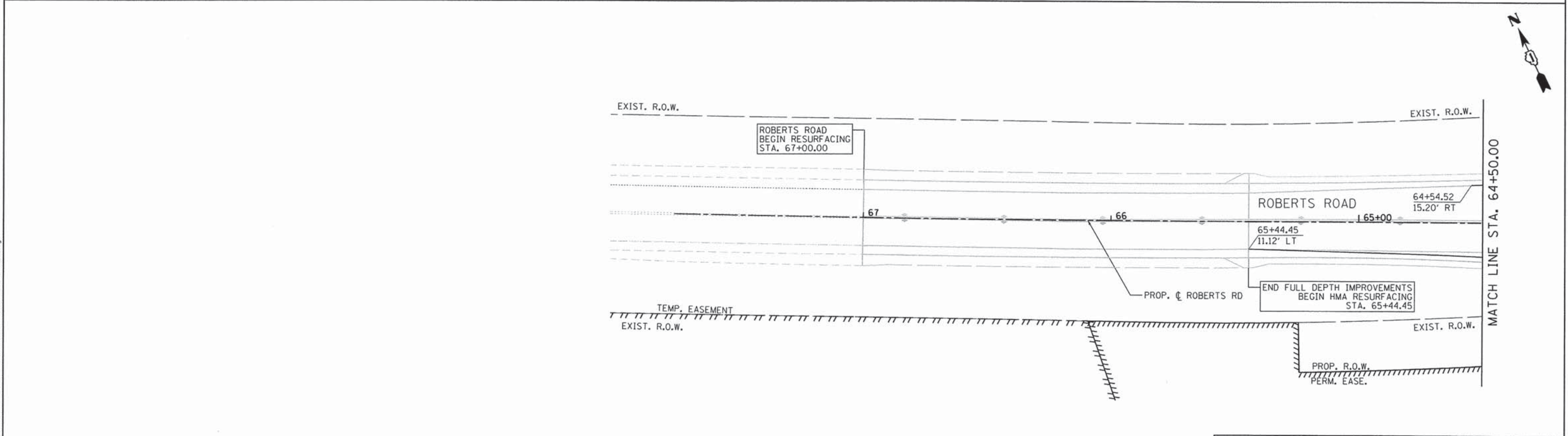
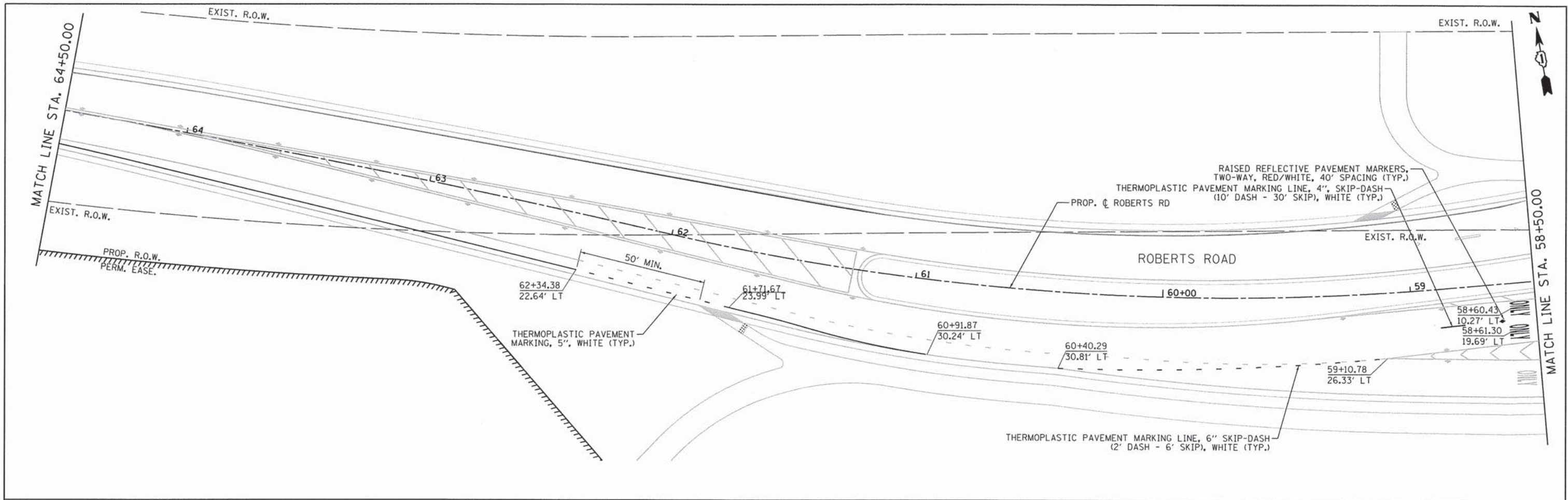




NOT PART OF BASE BID CONTRACT.  
FOR LCDOT USE ONLY.

FILE NAME = F:\1877-918 River Roberts Phase I\CAD\DD SHEETS\877-918\_SHT\_ULT\_PMK\_01.dgn

<b>Bollinger, Lach &amp; Associates, Inc.</b> ITASCA, ILLINOIS	USER NAME = #USER#	DESIGNED - GJE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ROBERTS ROAD - INTERIM TO ULTIMATE CONDITION</b> <b>PAVEMENT MARKING PLAN</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED - DBB	REVISED -			3704	07-00086-08-CH	LAKE	183	97
PLOT DATE = 11/6/2013	DATE - 11/08/2013	REVISED -		SCALE: 1"=20'		SHEET 97 OF 183 SHEETS		STA. 47+75.00 TO STA. 58+50.00		CONTRACT NO. 63875
ILLINOIS FED. AID PROJECT										



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FILE NAME = F:\977-010 River Roberts Phase I\CAD\00 SHEETS\977-010\_SHT\_ULT\_PMK\_02.dgn

**Bollinger, Lach & Associates, Inc.**  
ITASCA, ILLINOIS

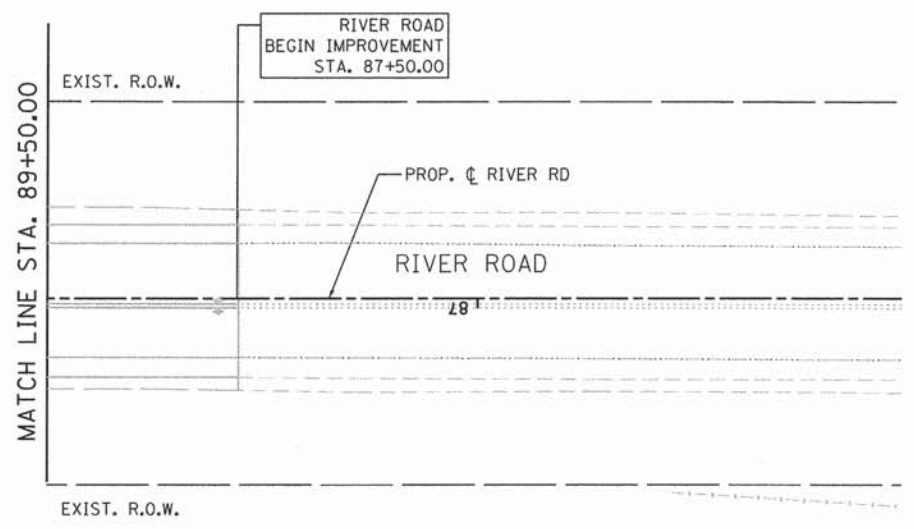
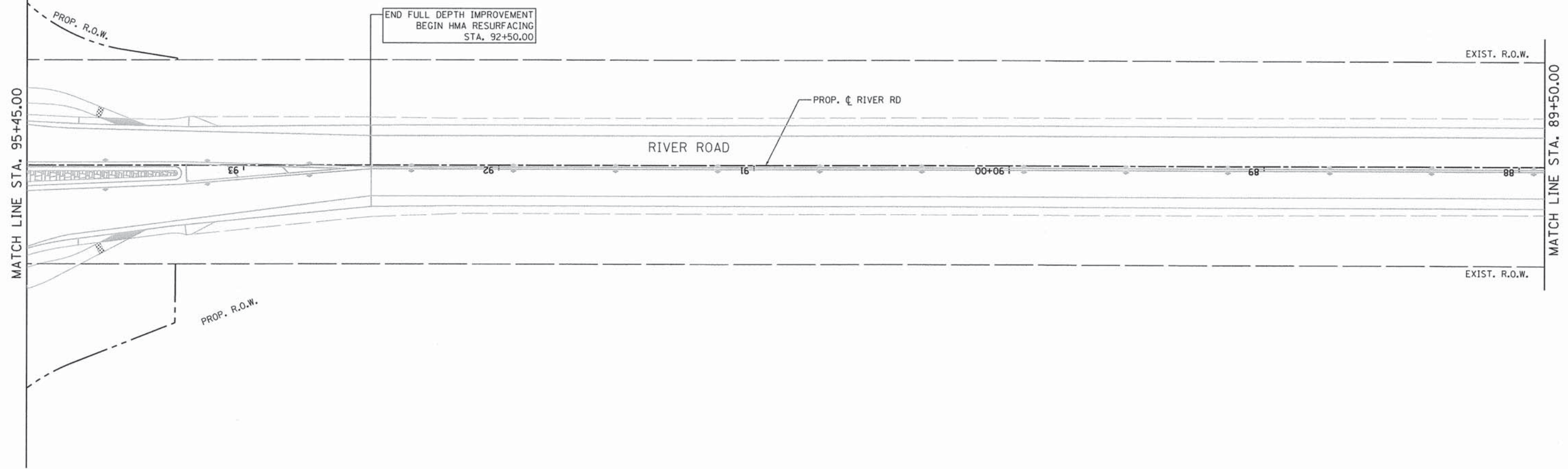
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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROBERTS ROAD - INTERIM TO ULTIMATE CONDITION  
PAVEMENT MARKING PLAN**

SCALE: 1"=20'    SHEET 98 OF 183 SHEETS    STA. 58+50.00 TO STA. 67+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	98
CONTRACT NO. 63875				
ILLINOIS FED. AID PROJECT				



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FILE NAME = F:\877-010 River Roberts Phase II\CAD00\_SHEETS\877-010\_SHT\_ULT\_PMK\_03.dgn



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PLOT DATE = 11/6/2013	CHECKED - DBB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIVER ROAD - INTERIM TO ULTIMATE CONDITION  
PAVEMENT MARKING PLAN**

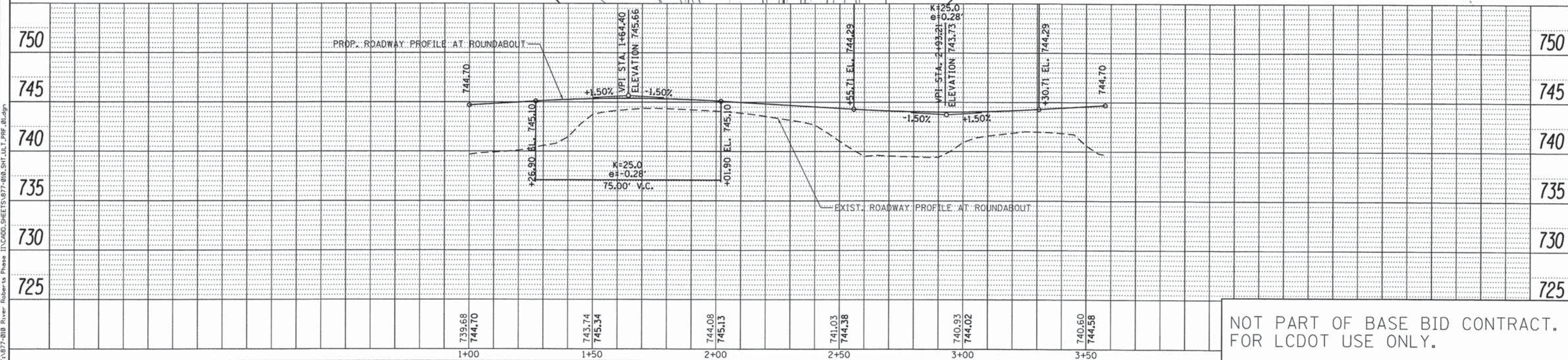
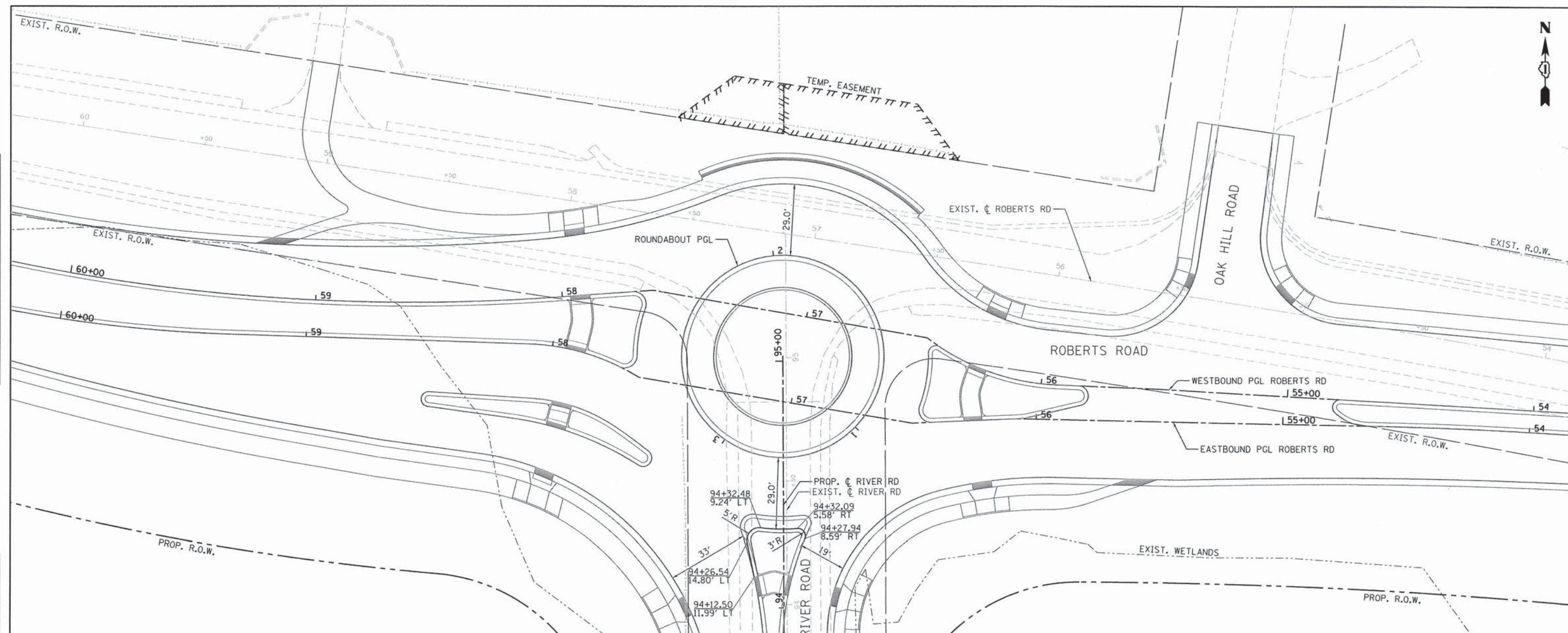
SCALE: 1"=20'    SHEET 99 OF 183 SHEETS    STA. 87+50.00 TO STA. 95+45.00

F.A.U. RTE. 3704	SECTION 07-00086-08-CH	COUNTY LAKE	TOTAL SHEETS 183	SHEET NO. 99
				CONTRACT NO. 63875
ILLINOIS FED. AID PROJECT				



DATE	
BY	
REVISIONS	
PLANNED	
ALIGNED	
CHECKED	
NO. FILE NAME	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
REVISIONS	
PLANNED	
GRADES	
CHECKED	
NO. STRUCTURE	
NOTATIONS	
PROFILE	
NOTE BOOK	
NO.	



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USER NAME = #USER#	DESIGNED - GJE	REVISED -
PLOT SCALE = #SCALE#	DRAWN - GJE	REVISED -
PLOT DATE = 11/6/2013	CHECKED - DDB	REVISED -
	DATE - 11/08/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROUNDABOUT - INTERIM TO ULTIMATE CONDITION  
PLAN AND PROFILE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3704	07-00086-08-CH	LAKE	183	100
			CONTRACT NO. 63875	
[ILLINOIS] FED. AID PROJECT				

FILE NAME = F:\977-018 River Roberts Phase II\CADD\SHEETS\977-018\_SHT\_111\_PRF\_01.dwg