

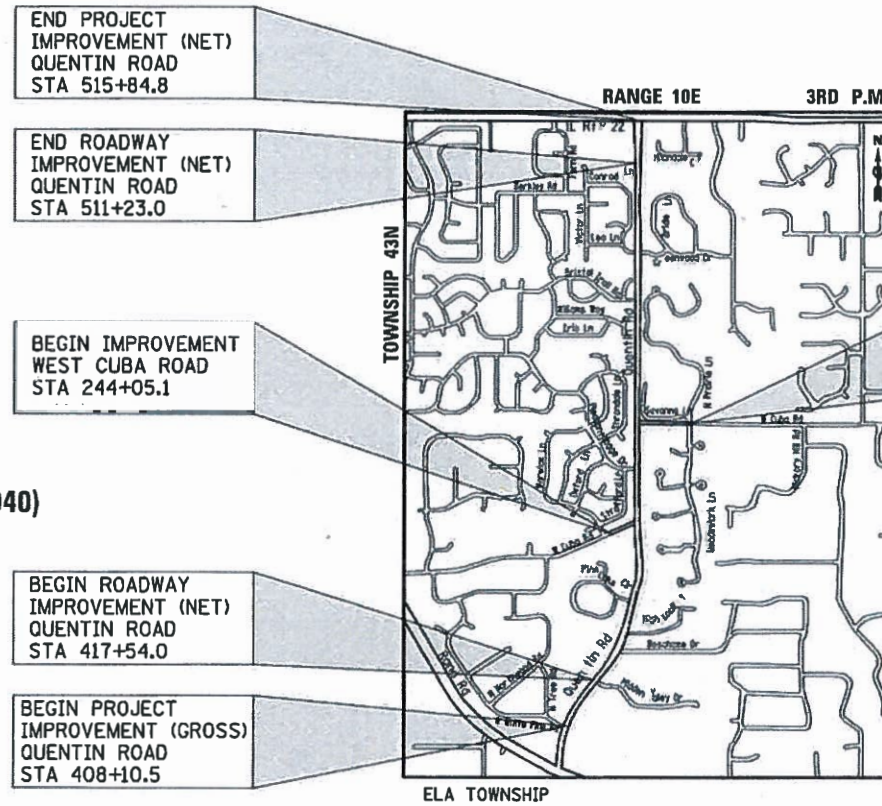
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION  
**PLANS FOR PROPOSED  
 FEDERAL AID HIGHWAY**

FOR INDEX OF SHEETS AND  
 LIST OF STATE STANDARDS, SEE SHEET NO. 2

FAU RTE 2574 (QUENTIN ROAD)  
 IL ROUTE 22 TO WHITE PINE ROAD  
**ADD LANES, BIKEPED PATH, AND INTERSECTION IMPROVEMENT**  
 SECTION 08-00090-12-CH  
 PROJECT NO. HJVN (698)  
 LAKE COUNTY  
 C-91-080-18

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	772	1
FED. ROAD DIST. NO. 1			CONTRACT NO. 61E22	
ILLINOIS			FED. AID PROJECT	



PROJECT LOCATED IN THE VILLAGES OF KILDEER AND LAKE ZURICH.

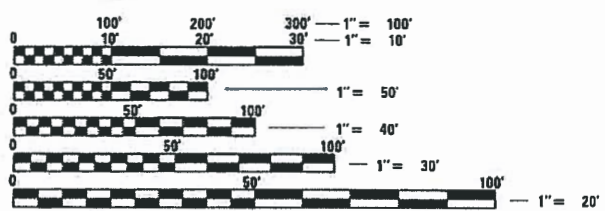
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

Approved October 10, 2017  
*Shane Schneider*  
 Lake County Div of Transportation, County Engineer

Passed Oct. 30, 2017  
*C. Holt*  
 District One Engineer of Lake County

Releasing for Bid Based on Limited Review November 2, 2017  
*Anthony J. Quigley*  
 Regional Engineer

DESIGN DESIGNATION = MINOR ARTERIAL URBAN  
 POSTED SPEED = 40/45 MPH  
 DESIGN YEAR = 2040  
 QUENTIN ROAD ADT = 21,100-22,400 (2009) 28,000-30,000 (2040)  
 WEST CUBA ROAD ADT = 2,700 (2009) 5,000 (2040)  
 EAST CUBA ROAD ADT = 3,900 (2009) 5,000 (2040)



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

**J.U.L.I.E.**  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1.800.892.0123 OR 811

**PROJECT LENGTH:**

QUENTIN ROAD (STA 408+10.5 TO STA 515+84.8) - 10,774.3 FT (2.04 MI) (GROSS)  
 QUENTIN ROAD (STA 417+54.0 TO STA 511+23.0) - 9,369.0 FT (1.77 MI) (NET)  
 WEST CUBA ROAD ROAD (STA 244+05.1 TO STA 249+80.6) - 575.5 FT (0.11 MI) (GROSS & NET)  
 EAST CUBA ROAD ROAD (STA 300+52.0 TO STA 304+09.0) - 357.0 FT (0.07 MI) (GROSS & NET)  
 PROJECT TOTAL - 11,706.8 FT (2.22 MI) (GROSS)  
 PROJECT TOTAL - 10,301.5 FT (1.95 MI) (NET)

APPLIES TO SHEETS 1-208;344-772

*Reid T. Magner*  
 REGISTERED P.E., STATE OF ILLINOIS EXPIRES 11/30/2019

APPLIES TO SHEETS 245-343

*Reid T. Magner*  
 REGISTERED S.E., STATE OF ILLINOIS EXPIRES 11/30/2018

APPLIES TO SHEETS 209-244

*Joseph J. Emry*  
 REGISTERED P.E., STATE OF ILLINOIS EXPIRES 11/30/2019



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

PLANS PREPARED BY:  
  
 CIVILTECH  
 450 E. Devon Ave, Suite 300 - Itasca, Illinois 60143  
 Tel: 630.773.3900 - Fax: 630.773.3975  
 www.civiltechinc.com

**INDEX OF SHEETS**

1 COVER SHEET  
 2-3 GENERAL NOTES  
 4-15 SUMMARY OF QUANTITIES  
 16-17 TYPICAL SECTIONS - EXISTING  
 18-20 TYPICAL SECTIONS - PROPOSED  
 21-23 SUPERELEVATION DETAILS  
 24-36 SCHEDULE OF QUANTITIES  
 37-39 ALIGNMENT AND TIES  
 40-61 PLAN AND PROFILE - QUENTIN ROAD  
 62 PLAN AND PROFILE - WEST CUBA ROAD  
 63 PLAN AND PROFILE - EAST CUBA ROAD  
 64-66 PLAN AND PROFILE - SHARED USE PATH  
 67-97 STAGES OF CONSTRUCTION  
 98-116 EROSION CONTROL  
 117-125 LANDSCAPING PLANS  
 126-147 DRAINAGE AND UTILITIES - QUENTIN ROAD  
 148 DRAINAGE AND UTILITIES - WEST CUBA ROAD  
 149 DRAINAGE AND UTILITIES - EAST CUBA ROAD  
 150-154 DRAINAGE AND UTILITIES DETAILS  
 155-161 SANITARY SEWER PLAN AND PROFILE  
 162 WATER MAIN PLAN AND PROFILE  
 163-193 HIGHWAY PLATS  
 194-195 INTERSECTION GRADING PLANS  
 196-204 SIDEWALK/PATH RAMP DETAILS  
 205-209 PAVEMENT MARKING AND SIGNING  
 210-251 TRAFFIC SIGNAL PLANS  
 252-349 STRUCTURAL DRAWINGS  
 350 BD-07, STORM SEWER CONNECTION TO EXISTING SEWER  
 351 BD-32, BUTT JOINT AND HMA TAPER  
 352 BD-51, BENCHING DETAIL FOR EMBANKMENT WIDENING  
 353 TC-22, ARTERIAL ROAD INFORMATION SIGN  
 354-368 LCDOT HIGHWAY STANDARDS  
 369-493 CROSS SECTIONS - STAGE I  
 494-594 CROSS SECTIONS - STAGE II  
 595-683 CROSS SECTIONS - STAGE III  
 684-772 CROSS SECTIONS - QUENTIN ROAD  
 773-776 CROSS SECTIONS - WEST CUBA ROAD  
 777-778 CROSS SECTIONS - EAST CUBA ROAD

**LCDOT HIGHWAY STANDARDS**

LC 0000 MATERIALS LETTING DRAINAGE STRUCTURE DETAIL  
 LC 0020 TRENCH WIDTHS FOR TRENCH BACKFILL & PAVEMENT REPLACEMENT, BITUMINOUS UNDERCUT DETAIL  
 LC 2000 TEMPORARY DITCH CHECK INSTALLATION FOR ROADWAY OR DRAINAGE DITCH  
 LC 2050 PERIMETER EROSION BARRIER INSTALLATION  
 LC 2051 DRY RUBBLE STONE OR BROKEN CONCRETE TREE WELLS  
 LC 2100 VEGETATION MAINTENANCE REQUIRED CLEARANCE FOR 10' BIKEPATH  
 LC 4021 TYPICAL 5 LANE SECTION (12' LANES)  
 LC 4031 TYPICAL INTERSECTION APPROACH with LT & RT TURN LANES & ADJACENT MULTI-USE PATH  
 LC 4054 TYPICAL SECTION 10' HOT-MIX ASPHALT BIKEPATH IN VICINITY OF CURB & GUTTER  
 LC 4100 TYPICAL MINOR ACCESS (PRIVATE ENTRANCE)  
 LC 4101 TYPICAL MAJOR ACCESS (COMMERCIAL ENTRANCE)  
 LC 4102 TYPICAL MAJOR ACCESS (SIDE ROAD)  
 LC 4103 HOT-MIX ASPHALT APRON FOR AGGREGATE FIELD ENTRANCE  
 LC 4120 MAILBOX TURNOUT ALONG UNCURBED ROADS  
 LC 4121 MAILBOX TURNOUT ALONG CURBED ROADS  
 LC 4201 CURB RAMPS with TRAFFIC SIGNAL POSTS & MAST ARMS  
 LC 4202 CONCRETE WASHOUT FACILITIES  
 LC 4800 TRANSITION FROM AGGREGATE SHOULDER TO B-6.24 FOR 16' OFFSET TO FACE  
 LC 5400 TREE PRESERVATION WITH STORM SEWER IN UNCURBED AREAS  
 LC 5401 TYPICAL PLACEMENT OF PRECAST END SECTIONS ON CROSSROAD CULVERTS  
 LC 5402 JOINT TIES FOR CONCRETE PIPE  
 LC 6002 INLET SPECIAL, STANDARD 542546, DOUBLE (SLOPED GRATES)  
 LC 6020 SUB-SURFACE DRAINS  
 LC 6060 PERFORATED RISER PIPE DETAIL  
 LC 6601 ORNAMENTAL FENCE CLASSIC THREE RAIL (ONE MFGR'S DETAILS)  
 LC 6650 WITNESS POST  
 LC 7000 TWO LANE, TWO WAY, OFF-ROAD OPERATIONS DAY OPERATIONS ONLY  
 LC 7003 URBAN LANE CLOSURE MULTILANE INTERSECTION  
 LC 7004 TRAFFIC CONTROL and PROTECTION for SIDEROADS, INTERSECTIONS and DRIVEWAYS  
 LC 7200 DIRECTION INDICATOR BARRICADES  
 LC 7201 TEMPORARY CONSTRUCTION INFORMATION SIGNS  
 LC 7800 TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS  
 LC 7802 SHORT TERM PAVEMENT MARKINGS  
 LC 7805 RECESSED REFLECTIVE PAVEMENT MARKER

**HIGHWAY STANDARDS**

000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS  
 202001-01 EARTH MEDIAN DITCH CHECK  
 280001-07 TEMPORARY EROSION CONTROL SYSTEMS  
 424001-10 PERPENDICULAR CURB RAMPS FOR SIDEWALKS  
 424011-03 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS  
 424016-04 MID-BLOCK CURB RAMPS FOR SIDEWALKS  
 424021-04 DEPRESSED CORNER FOR SIDEWALKS  
 424026-02 ENTRANCE / ALLEY PEDESTRIAN CROSSINGS  
 542001-06 CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100 mm) DIA.  
 542011-02 CONCRETE END SECTIONS FOR ELLIPTICAL PIPE CULVERTS 15" (375 mm) THRU 72" (1800 mm) EQUIVALENT DIAMETER  
 542206-04 REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 42" (1050 mm) THRU 60" (1500 mm) DIA. SKEWED WITH ROADWAY  
 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION  
 542311-07 TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTIONS  
 542401-03 METAL FLARED END SECTION FOR PIPE CULVERTS  
 542546-01 FLUSH INLET BOX FOR MEDIAN  
 602001-02 CATCH BASIN TYPE A  
 602011-02 CATCH BASIN TYPE C  
 602301-04 INLET - TYPE A  
 602401-03 MANHOLE TYPE A  
 602406-08 PRECAST MANHOLE TYPE A 6' (1.83 m) DIAMETER  
 602411-06 PRECAST MANHOLE TYPE A 7' (2.13 m) DIAMETER  
 602416-06 PRECAST MANHOLE TYPE A 8' (2.44 m) DIAMETER  
 602421-06 PRECAST MANHOLE TYPE A 9' (2.74 m) DIAMETER  
 602601-04 PRECAST REINFORCED CONCRETE FLAT SLAB TOP  
 602701-02 MANHOLE STEPS  
 604001-04 FRAME AND LIDS TYPE 1  
 604036-03 GRATE TYPE 8  
 604056-04 FRAME AND GRATE TYPE 11V  
 604091-03 FRAME AND GRATE TYPE 24  
 606001-07 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER  
 606301-04 PC CONCRETE ISLANDS AND MEDIANS  
 664001-02 CHAIN LINK FENCE  
 667101-02 PERMANENT SURVEY MARKERS  
 701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY  
 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE  
 701101-05 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE  
 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS  
 701311-03 LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY  
 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH  
 701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH  
 701427-05 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS LESS THAN OR EQUAL TO 40 MPH  
 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED  
 701606-10 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN  
 701611-01 URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN  
 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE  
 701901-07 TRAFFIC CONTROL DEVICES  
 704001-08 TEMPORARY CONCRETE BARRIER  
 720001-01 SIGN PANEL MOUNTING DETAILS  
 720006-04 SIGN PANEL ERECTION DETAILS  
 728001-01 TELESCOPING STEEL SIGN SUPPORT  
 729001-01 APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)  
 780001-05 TYPICAL PAVEMENT MARKINGS  
 782006 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS  
 814001-03 HANDHOLES  
 814006-02 DOUBLE HANDHOLES  
 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES  
 862001-01 UNINTERRUPTABLE POWER SUPPLY (UPS)  
 877011-09 STEEL COMB. MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'  
 878001-10 CONCRETE FOUNDATION DETAILS  
 880001-01 SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION  
 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS

**GENERAL**

- THE CONTRACTOR SHALL NOTIFY THE ENGINEER, LAKE COUNTY DIVISION OF TRANSPORTATION (LCDOT) (847) 377-7400, LAKE COUNTY PUBLIC WORKS (847) 377-7500, THE VILLAGE OF KILDEER (847) 438-6000, THE VILLAGE OF LAKE ZURICH (847) 540-1696, UTILITY COMPANIES, SCHOOL DISTRICTS, AND LOCAL POLICE AND FIRE DEPARTMENTS AND SUBMIT A TRAFFIC CONTROL AUTHORIZATION REQUEST TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET TO THE SATISFACTION OF THE ENGINEER.
- THE CONTRACTOR SHALL LIMIT VERTICAL DROP-OFF BETWEEN LANES TO 2" DURING ALL OVERNIGHT PERIODS.
- PROPOSED LINES AND GRADES SHOWN ON THE CONSTRUCTION PLANS REPRESENT FINISHED GRADE ELEVATIONS, UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS, INCLUDING RADII, ARE GIVEN TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- WHEN REMOVING CURB AND GUTTER, PAVEMENT OR ANY OTHER STRUCTURE, THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO UNDERGROUND PUBLIC OR PRIVATE UTILITIES. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL CONCRETE BREAKER BE ALLOWED.
- PROTECTIVE COAT SHALL BE APPLIED IN ALL CASES REGARDLESS OF THE CALENDAR DATE LIMITATIONS CONTAINED IN ARTICLE 420.18. THE PROTECTIVE COATING SHALL BE APPLIED TO THE EXPOSED SURFACES OF THE PORTLAND CEMENT CONCRETE PAVEMENT, CONCRETE SIDEWALK, AND CONCRETE CURB AND GUTTER. PORTLAND CEMENT CONCRETE CURING SHALL BE LIMITED TO METHODS SPECIFIED IN ARTICLE 1020.13 (A) [1], [2] AND [3].
- THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. WHERE NEW WORK IS PROPOSED TO MEET EXISTING FEATURES, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD CHECK ALL DIMENSIONS AND ELEVATIONS AND NOTIFY THE ENGINEER OF DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION.
- CURB AND GUTTER JOINTS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 606001 AND ONE INCH EXPANSION JOINTS SHALL BE PLACED EVERY 150 FT.
- ALL EXCAVATION AND EMBANKMENT SHALL BE CONSTRUCTED 4, 8, OR 30 INCHES BELOW FINISHED GRADE LINE TO ALLOW FOR TOP SOIL PLACEMENT (WHERE TOP SOIL PLACEMENT IS SPECIFIED).
- ALL SYSTEMS TO DIVERT WATER AWAY FROM WORK AREAS SHALL BE INSTALLED PRIOR TO THE START OF WORK. WATER SHALL BE DIVERTED OR BYPASS PUMPED SO THAT FLOWING WATER IS NOT WITHIN EXCAVATION AREAS.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR'S EXPENSE.

**DRIVEWAYS AND ENTRANCES**

- EXISTING HMA DRIVES SHALL BE SAW CUT AT THE LIMITS OF CONSTRUCTION LINE. THE SURFACE SHALL BE REMOVED TO THE SAW CUT. THE AGGREGATE BASE SHALL BE APPROPRIATELY PREPARED, AND THE DRIVEWAY SHALL BE RESURFACED WITH 3 INCHES OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- EXISTING P.C. CONCRETE DRIVES SHALL BE SAW CUT AT THE LIMITS OF CONSTRUCTION LINE AND REMOVED. THE DRIVE SHALL BE RECONSTRUCTED TO THE SAME WIDTH WITH 6 INCHES OF AGGREGATE BASE AND 6 INCHES OF P.C. CONCRETE (PE) OR 8 INCHES OF P.C. CONCRETE (CE) UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE STATIONS NOTED FOR DRIVEWAYS REFER TO THE POSITION OF THE CENTER OF THE DRIVEWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF EACH DRIVEWAY BASED UPON LCDOT PRIVATE, COMMERCIAL, AND FIELD ENTRANCE STANDARD DETAILS.

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

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



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DESIGNED - PK	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	2
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**STORM SEWERS, STRUCTURES, AND UTILITIES**

18. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
19. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO DETERMINE THE LOCATION OF UTILITIES AND EXERCISE CARE DURING HIS/HER CONSTRUCTION OPERATIONS TO AVOID DAMAGE TO THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND APPLICABLE ARTICLES INCLUDED IN THE "STANDARD SPECIFICATIONS" INCLUDING, BUT NOT LIMITED TO, ARTICLES 105.07 AND 107.31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS AND WATER MAINS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT OR RELOCATION OF THEIR FACILITIES, IF NECESSARY.
21. MATERIALS CONSIDERED SUITABLE BY THE ENGINEER FOR SALVAGE SHALL BE STORED WITHIN THE RIGHT-OF-WAY FOR LATER REMOVAL BY THE LOCAL AGENCY.
22. THE CONTRACTOR SHALL CONFIRM ALL EXISTING STORM SEWER PIPE SIZES AND INVERTS PRIOR TO ORDERING STRUCTURES. ANY MODIFICATION OF STRUCTURES DUE TO THE FAILURE OF THE CONTRACTOR TO PERFORM THIS TASK MAY LEAD TO THE REJECTION OF THE STRUCTURE IN THE FIELD.
23. HMA OR CONCRETE PAVEMENT CROSSINGS REMOVED DUE TO STORM SEWER, WATER MAIN, SANITARY SEWER, OR CULVERT WORK SHALL NOT BE LEFT IN GRAVEL OVERNIGHT. THIS INCLUDES THE MAIN ROADS, SIDE STREETS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES AND PARKING AREAS. TEMPORARY HMA PAVEMENT MAY BE USED IN LIEU OF IMMEDIATE PAVEMENT REPLACEMENT.
24. ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES, UNLESS INDICATED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER. COMMON BRICK WILL NOT BE ALLOWED. ALL TYPE 8 GRATES ON RESTRICTED DEPTH DRAINAGE STRUCTURES SHALL BE ADJUSTED TO PLAN GRADE WITH 4" MINIMUM CONCRETE ADJUSTMENT RINGS.
25. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE, 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. FRAMES AND LIDS FOR MANHOLES LOCATED ALONG THE SHARED USE PATH SHALL BE PLACED/ROTATED OUTSIDE OF THE PATH PAVEMENT.
26. ALL STRUCTURES DESIGNATED TO BE ADJUSTED, SPECIAL ADJUSTED OR RECONSTRUCTED SHALL HAVE NEW FRAMES, LIDS AND GRATES PROVIDED AT THE DIRECTION OF THE ENGINEER.
27. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 WILL NOT BE ALLOWED.
28. THE CONTRACTOR SHALL DETERMINE WHEN FLAT TOP SLABS ARE REQUIRED ON DRAINAGE STRUCTURES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE USE OF FLAT SLAB TOPS.
29. LONGITUDINAL UNDERDRAINS SHALL BE INSTALLED AT THE OUTSIDE EDGE OF THE PAVEMENT AND AT MEDIANS ON LOWER SIDE OF SUPERELEVATED ROADWAYS TO DRAIN THE AGGREGATE SUBGRADE. TRANSVERSE UNDERDRAINS SHALL BE INSTALLED AT THE LOW POINTS OF THE PROFILE AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.

**SIGNING, STRIPING & LANDSCAPING**

30. ALL UNUSED SIGNS SHALL BE RETURNED TO THE LAKE COUNTY DIVISION OF TRANSPORTATION AT THE DIRECTION OF THE ENGINEER.
31. ANY SIGNS WHICH ARE DAMAGED BEYOND REPAIR DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.
32. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SEEDED/SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS.
33. TEMPORARY FENCE SHALL BE PLACED AROUND ALL TREES THAT ARE TO BE PROTECTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS FOR MORE DETAIL.
34. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL TO AVOID INJURY TO THE ROOT SYSTEM AND TRUNKS. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF DAMAGE TO THE REMAINING TREE STRUCTURE.
35. THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE COUNTY. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
36. PHOSPHORUS FERTILIZER NUTRIENT SHALL NOT BE USED ON LAKE COUNTY HIGHWAYS.

**SURVEY**

37. VERTICAL CONTROL REFERENCED TO NGVD 1929.

BENCHMARK TABLE			
NUMBER	STA & OFFSET	DESCRIPTION	ELEVATION
B.M. #6-22	-	BOX CUT (FOUND) IN TOP OF CURB AT THE MOST SOUTHERLY END OF MEDIAN ON THE NORTH SIDE OF CUBA ROAD AT CAMBRIDGE DRIVE.	848.48
B.M. #6-23	-	CROSS CUT (FOUND) IN NORTH RIM OF MANHOLE IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF EDDY LANE AND CUBA ROAD.	868.50
T.B.M. #1	427+81.7 48.6' LT	RAILROAD SPIKE (SET) IN FIRST POWER POLE NORTH OF HIGH KNOLL COURT ON WEST SIDE OF QUENTIN ROAD.	774.97
T.B.M. #2	438+58.8 39.2' LT	RAILROAD SPIKE (SET) IN FOURTH POWER POLE SOUTH OF CUBA ROAD ON WEST SIDE OF QUENTIN ROAD.	781.42
T.B.M. #3	449+08.7 62.6' LT	RAILROAD SPIKE SET IN SECOND POWER POLE NORTH OF CUBA ROAD ON WEST SIDE OF QUENTIN ROAD.	807.50
T.B.M. #4	461+95.8 54.5' LT	RAILROAD SPIKE (SET) IN FIRST POWER POLE SOUTH OF CUBA ROAD ON WEST SIDE OF QUENTIN ROAD.	799.08
T.B.M. #5	475+75.6 56.0' LT	RAILROAD SPIKE (SET) IN SEVENTH POWER POLE NORTH OF CUBA ROAD ON WEST SIDE OF QUENTIN ROAD.	796.44
T.B.M. #6	485+28.1 46.2' LT	RAILROAD SPIKE (SET) IN FIRST POWER POLE NORTH OF BRISTOL TRAIL ROAD ON WEST SIDE OF QUENTIN ROAD.	812.80
T.B.M. #7	496+69.4 54.9' LT	RAILROAD SPIKE (SET) IN SECOND POWER POLE NORTH OF LEA LANE ON WEST SIDE OF QUENTIN ROAD.	806.54
T.B.M. #8	505+54.6 54.8' LT	RAILROAD SPIKE (SET) IN SEVENTH POWER POLE NORTH OF LEA LANE ON WEST SIDE OF QUENTIN ROAD.	812.66
T.B.M. #9	514+19.3 55.7' LT	RAILROAD SPIKE (SET) IN THIRD POWER POLE SOUTH OF ILLINOIS ROUTE 22 ON WEST SIDE OF QUENTIN ROAD.	822.94

38. BEARINGS ARE REFERENCED TO THE ILLINOIS COORDINATE SYSTEM NAD83 (1997) EAST ZONE AT FOUND GEODETIC SURVEY CONTROL MONUMENTS "LAKE ZURICH", P.I.D. AJ3081 AND "VBG 3A", P.I.D. AJ3080.
39. COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "LAKE ZURICH", P.I.D. AJ3081, OF N.613,539.945-E.320,649.905.
40. SURFACE COORDINATES ARE SHOWN.
41. A NLEB TREE SURVEY WAS CONDUCTED BY THE LCDOT AND SUITABLE NLEB HABITATE TREES ARE BEING REMOVED BY LCDOT FORCES DURING THE WINTER OF 2017-2018. IF SUITABLE HABITAT TREES ARE FOUND WITHIN THE PROJECT AREA, THESE TREES SHALL BE CLEARLY FLAGGED AND/OR MARKED AND SHALL NOT BE CUT BETWEEN APRIL 1 - OCTOBER 14. SUITABLE HABITAT TREES ARE DEFINED AS TREES >5 INCHES DIAMETER BREST HEIGHT (DBH), WITH EXFOLIATING BARK. ALL NON-SUITABLE TREES MAY BE CUT AT ANY TIME. A FIELD VISIT SHOULD BE PERFORMED BY A QUALIFIED INDIVIDUAL (DISTRICT BIOLOGIST, FORESTER, OR OTHERS WHO HAVE BEEN TRAINED ACCORDINGLY) TO DETERMINE IF SUITABLE TREES ARE PRESENT TO PROVIDE NORTHERN LONG-EARED BAT HABITAT. SUITABLE HABITAT TREES ARE: SHAGBARK AND SHELLBARK HICKORY (LIVE OR DEAD); BITTERNUT HICKORY; GREEN ASH; AMERICAN ELM; SLIPPERY ELM; EASTERN COTTONWOOD; SILVER MAPLE; SUGAR MAPLE; WHITE OAK; RED OAK; POST OAK; AND SHINGLE OAK. THIS INCLUDES TREES THAT ARE DEAD, DYING, BROKEN, OR DAMAGED, WITH SLABS OR PLATES OF LOOSE OR PEELING BARK ON THE TRUNKS OR LIMBS. IF NO SUITABLE HABITAT TREES EXIST WITHIN THE PROJECT AREA, ALL TREES ON SITE MAY BE CUT AT ANY TIME.

**POINTS OF CONTACT**

LAKE COUNTY DIV. OF TRANS.  
(TO BE DETERMINED)  
RESIDENT ENGINEER  
600 W. WINCHESTER ROAD  
LIBERTYVILLE, IL 60048-1381  
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FX: 847.984.5601

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CONSOLIDATED SCHOOL DISTRICT 96  
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LAKE COUNTY PUBLIC WORKS  
MR. RODNEY WORDEN  
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LAKE ZURICH COMMUNITY UNIT  
SCHOOL DISTRICT 95  
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VILLAGE OF KILDEER  
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LAKE COUNTY STORMWATER  
MANAGEMENT COMMISSION  
MR. ROBERT D. GARDINER, CFM  
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500 W. WINCHESTER ROAD  
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terri.bleck@exeloncorp.com

LAKE ZURICH RURAL  
FIRE PROTECTION DISTRICT  
PH: 847.438.2349

LAKE ZURICH FIRE DEPARTMENT  
321 S. BUESCHING ROAD  
LAKE ZURICH, IL 60047  
PH: 847.540.5070

NICOR GAS  
MR. BRUCE KOPPAN  
DOT LIAISON  
1844 FERRY ROAD  
NAPERVILLE, IL 60563  
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FX: 630.983.4028  
bkoppan@southernco.com

KILDEER POLICE DEPARTMENT  
21911 QUENTIN ROAD  
KILDEER, IL 60047  
PH: 847.438.6010

LAKE ZURICH POLICE DEPARTMENT  
200 MOHAWK TRAIL  
LAKE ZURICH, IL 60047  
PH: 847.719.1690

WIDE OPEN WEST  
MR. MICHAEL HEALY  
GOVERNMENT AFFAIRS MANAGER  
1674 FRONTENAC ROAD  
NAPERVILLE, IL 60563  
PH: 224.339.2512  
FX: 630.536.3106  
michael.healy@wowinc.com

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
FINAL SURVEY	NOTE BOOK				
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ORIGINAL SURVEY	NOTE BOOK				
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DESIGNED - PK	REVISED - 12/15/2017
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	3
<b>CONTRACT NO. 61E22</b>				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0003	0021	NON-
				ROADWAY	SIGNALS	PARTICIPATING
				STU (80/20)	STU (80/20)	
X	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,343	1,343	
X	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	367	367	
X	20101000	TEMPORARY FENCE	FOOT	9,808	9,808	
X	20101200	TREE ROOT PRUNING	EACH	147	147	
X	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	113	113	
X	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	29	29	
	20200100	EARTH EXCAVATION	CU YD	63,976	63,976	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	9,618	9,618	
	20400800	FURNISHED EXCAVATION	CU YD	2,828	2,828	
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	1,079	1,079	
	20800150	TRENCH BACKFILL	CU YD	12,667	12,667	
	20900110	POROUS GRANULAR BACKFILL	CU YD	155	155	
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	86,882	86,882	
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	11,216	11,216	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	500	500	
	21101630	TOPSOIL FURNISH AND PLACE, 8"	SQ YD	100	100	
	21101695	TOPSOIL FURNISH AND PLACE, 30"	SQ YD	50	50	
X	25000210	SEEDING, CLASS 2A	ACRE	6.50	6.50	
X	25000310	SEEDING, CLASS 4	ACRE	2.25	2.25	
X	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	895	895	
X	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	895	895	
X*	25100630	EROSION CONTROL BLANKET	SQ YD	41,557	41,557	
X	25100900	TURF REINFORCEMENT MAT	SQ YD	364	364	
X	25200110	SODDING, SALT TOLERANT	SQ YD	19,265	19,265	
X	25200200	SUPPLEMENTAL WATERING	UNIT	20	20	
	28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	377	377	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	4,481	4,481	
*	28000305	TEMPORARY DITCH CHECKS	FOOT	1,764	1,764	
	28000400	PERIMETER EROSION BARRIER	FOOT	12,215	12,215	
	28000510	INLET FILTERS	EACH	201	201	

X DENOTES SPECIALTY ITEM  
 XX DENOTES CONSTRUCTION TYPE CODE 0042  
 \* DENOTES SPECIAL PROVISION

**CIVILTECH**  
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DATE - 3/12/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SHEET NO. 1 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	4
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0003	0021	NON-PARTICIPATING
				ROADWAY	SIGNALS	
				STU (80/20)	STU (80/20)	
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	71,960	71,960		
28001200	TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	69	69		
28100201	STONE RIPRAP, CLASS A1	TON	14	14		
28100203	STONE RIPRAP, CLASS A2	TON	4	4		
28100205	STONE RIPRAP, CLASS A3	TON	20	20		
28100207	STONE RIPRAP, CLASS A4	TON	33	33		
28200200	FILTER FABRIC	SQ YD	473	473		
* 30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	3,989	3,989		
* 30300112	AGGREGATE SUBGRADE IMPROVEMENT 12'	SQ YD	82,337	82,337		
35101400	AGGREGATE BASE COURSE, TYPE B	TON	5,909	5,909		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	21	21		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	50	50		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1	1		
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	7	7		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	224	224		
40600990	TEMPORARY RAMP	SQ YD	143	143		
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	25,992	25,992		
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	8,669	8,669		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50	TON	1,924	1,924		
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'E', N70	TON	7,734	7,734		
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	46,449	46,449		
42001300	PROTECTIVE COAT	SQ YD	14,217	14,217		
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	177	177		
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	148	148		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	48,887	48,887		
42400800	DETECTABLE WARNINGS	SQ FT	587	587		
44000100	PAVEMENT REMOVAL	SQ YD	61,789	61,789		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,668	1,668		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	6,472	6,472		
44000600	SIDEWALK REMOVAL	SQ FT	14,266	14,266		

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SHEET NO. 2 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	5
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0003 ROADWAY STU (80/20)	0021 SIGNALS STU (80/20)	NON-PARTICIPATING
44004250	PAVED SHOULDER REMOVAL	SQ YD	1,257	1,257		
44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	50	50		
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	84	84		
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	840	840		
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	258	258		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	899	899		
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	227	227		
50102400	CONCRETE REMOVAL	CU YD	10.8	10.8		
50200109	STRUCTURE EXCAVATION	CU YD	3,752	3,752		
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	4,071	4,071		
50300225	CONCRETE STRUCTURES	CU YD	7.6	7.6		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	936.0	936.0		
50300285	FORM LINER TEXTURED SURFACE	SQ FT	16,519	16,519		
50300300	PROTECTIVE COAT	SQ YD	747	747		
50500505	STUD SHEAR CONNECTORS	EACH	160	160		
50800105	REINFORCEMENT BARS	POUND	3,600	3,600		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	120,240	120,240		
50800515	BAR SPLICERS	EACH	18	18		
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	8,394	8,394		
52200100	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	374	374		
52200150	DRIVING SOLDIER PILES	FOOT	374	374		
52200250	UNTREATED TIMBER LAGGING	SQ FT	830	830		
52200500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	14,264	14,264		
52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	8,056	8,056		
52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	53.3	53.3		
54002020	EXPANSION BOLTS 3/4 INCH	EACH	40	40		
54003000	CONCRETE BOX CULVERTS	CU YD	15	15		
54010604	PRECAST CONCRETE BOX CULVERTS 6' X 4'	FOOT	15	15		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1		
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	10	10		

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DATE - 1/29/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SHEET NO. 3 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	6
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61E22	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0003	0021	NON-PARTICIPATING
				ROADWAY	SIGNALS	
				STU (80/20)	STU (80/20)	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	3	3		
54214341	END SECTIONS, EQUIVALENT ROUND-SIZE 66"	EACH	1	1		
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	7	7		
54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	48	48		
* 54261224	CONCRETE END SECTION, STANDARD 542001, 24", 1:2	EACH	1	1		
* 54261230	CONCRETE END SECTION, STANDARD 542001, 30", 1:2	EACH	1	1		
* 54261324	CONCRETE END SECTION, STANDARD 542001, 24", 1:3	EACH	2	2		
54262715	METAL FLARED END SECTIONS 15"	EACH	4	4		
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	80	80		
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	35	35		
542A1099	PIPE CULVERTS, CLASS A, TYPE 2 54"	FOOT	51	51		
542A1963	PIPE CULVERTS, CLASS A, TYPE 3 78"	FOOT	43	43		
542A5521	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 66"	FOOT	66	66		
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	573	573		
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	122	122		
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	113	113		
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	214	214		
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	249	249		
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	6,041	6,041		
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	1,698	1,698		
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	263	263		
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1,289	1,289		
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	212	212		
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	377	377		
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	460	460		
550A0490	STORM SEWERS, CLASS A, TYPE 2 54"	FOOT	327	327		
550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	12	12		
550A0790	STORM SEWERS, CLASS A, TYPE 3 54"	FOOT	146	146		
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	22	22		
550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	41	41		

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DESIGNED - PK	REVISED -
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DATE - 3/12/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SHEET NO. 4 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	7
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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TEMPLATE	
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0003 ROADWAY STU (80/20)	0021 SIGNALS STU (80/20)	NON-PARTICIPATING
55100100	STORM SEWER REMOVAL 4"	FOOT	1,052	1,052		
55100400	STORM SEWER REMOVAL 10"	FOOT	29	29		
55100500	STORM SEWER REMOVAL 12"	FOOT	3,138	3,138		
55100700	STORM SEWER REMOVAL 15"	FOOT	3,114	3,114		
55100900	STORM SEWER REMOVAL 18"	FOOT	218	218		
55101200	STORM SEWER REMOVAL 24"	FOOT	465	465		
55102000	STORM SEWER REMOVAL 54"	FOOT	43	43		
55102200	STORM SEWER REMOVAL 66"	FOOT	16	16		
55102400	STORM SEWER REMOVAL 78"	FOOT	53	53		
X*	56103000 DUCTILE IRON WATER MAIN 6"	FOOT	497	497		
X*	56103300 DUCTILE IRON WATER MAIN 12"	FOOT	202	202		
X*	56105200 WATER VALVES 12"	EACH	1	1		
X*	56106400 ADJUSTING WATER MAIN 8"	FOOT	50	50		
X*	56106500 ADJUSTING WATER MAIN 10"	FOOT	50	50		
X*	56106600 ADJUSTING WATER MAIN 12"	FOOT	50	50		
X	56300100 ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	50	50		
X	56300300 ADJUSTING WATER SERVICE LINES	FOOT	50	50		
X*	56400820 FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	1	1		
	59100100 GEOCOMPOSITE WALL DRAIN	SQ YD	68	68		
*	60100905 PIPE DRAINS 4"	FOOT	140	140		
*	60100915 PIPE DRAINS 6"	FOOT	50	50		
*	60108104 PIPE UNDERDRAINS, TYPE I, 4"	FOOT	21,362	21,362		
	60200105 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE I FRAME, OPEN LID	EACH	1	1		
	60200805 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	6	6		
	60201110 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE I IV FRAME AND GRATE	EACH	1	1		
	60201340 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	60	60		
	60205040 CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1		
	60207605 CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	4	4		
	60208240 CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	15	15		
	60218400 MANHOLES, TYPE A, 4'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	36	36		

X DENOTES SPECIALTY ITEM  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SHEET NO. 5 OF 12 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	8
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0003 ROADWAY STU (80/20)	0021 SIGNALS STU (80/20)	NON-PARTICIPATING
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2		
60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3	3		
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	25	25		
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	1	1		
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	8	8		
60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	4	4		
60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	1	1		
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	5	5		
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	44	44		
60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	2	2		
60250200	CATCH BASINS TO BE ADJUSTED	EACH	4	4		
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1		
60255500	MANHOLES TO BE ADJUSTED	EACH	4	4		
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1		
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1		
60404950	FRAMES AND GRATES, TYPE 24	EACH	4	4		
60406100	FRAMES AND LIDS, TYPE I, CLOSED LID	EACH	4	4		
60500040	REMOVING MANHOLES	EACH	19	19		
60500050	REMOVING CATCH BASINS	EACH	21	21		
60500060	REMOVING INLETS	EACH	31	31		
60600605	CONCRETE CURB, TYPE B	FOOT	38	38		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	7,593	7,593		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	20,065	20,065		
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	719	719		
63200310	GUARDRAIL REMOVAL	FOOT	569	569		
X 66400105	CHAIN LINK FENCE, 4'	FOOT	45	45		
X 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	100	100		
X 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1		
X 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3		
67100100	MOBILIZATION	LSUM	1	1		

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0003 ROADWAY STU (80/20)	0021 SIGNALS STU (80/20)	NON-PARTICIPATING
* 70107006	PAVEMENT MARKING BLACKOUT TAPE, 6"	FOOT	1,224	1,224		
* 70107007	PAVEMENT MARKING BLACKOUT TAPE, 7"	FOOT	74	74		
* 70107016	PAVEMENT MARKING BLACKOUT TAPE, 16"	FOOT	95	95		
* 70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,525	2,525		
* 70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	842	842		
* 70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	1,092	1,092		
* 70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	102,657	102,657		
* 70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	6,569	6,569		
* 70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	6,101	6,101		
* 70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	385	385		
* 70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	5,012	5,012		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	3,299	3,299		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	500	500		
70600240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	16	16		
X 72000100	SIGN PANEL - TYPE 1	SQ FT	51	51		
X 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	10	10		
X 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2		
X 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	60	60		
X 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	4	4		
X 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	1,164	1,164		
X 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,300	1,300		
X 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	21,971	21,971		
X 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	20,376	20,376		
X 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3,521	3,521		
X 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,889	2,889		
X 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	328	328		
X 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	131	131		
X 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	2		2	
X 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	10,664		10,664	
X 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	70		70	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0003	0021	NON-PARTICIPATING	
				ROADWAY	SIGNALS		
				STU (80/20)	STU (80/20)		
X	81028230	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	167		167	
X	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	752		752	
X	81400100	HANDHOLE	EACH	19		19	
X	81400300	DOUBLE HANDHOLE	EACH	5		5	
X	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,737		1,737	
X	82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	4		4	
X*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2	
X	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	11,098		11,098	
X	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,435		2,435	
X	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,340		2,340	
X	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3,026		3,026	
X	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,138		2,138	
X	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	516		516	
X	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,889		1,889	
X	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		20	
X	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8		8	
X	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	15		15	
X	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	90		90	
X	87900200	DRILL EXISTING HANDHOLE	EACH	2		2	
X	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10		10	
X	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6		6	
X	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4	
X	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	8		8	
X	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8	
X	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	18		18	
X	88700200	LIGHT DETECTOR	EACH	4		4	
X	88700300	LIGHT DETECTOR AMPLIFIER	EACH	2		2	
X	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8		8	
X	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		2	
X	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	263		263	

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SHEET NO. 8 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	11
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0003 ROADWAY STU (80/20)	0021 SIGNALS STU (80/20)	NON-PARTICIPATING
X*	89502375 REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2		2	
X*	89502380 REMOVE EXISTING HANDHOLE	EACH	14		14	
X*	89502385 REMOVE EXISTING CONCRETE FOUNDATION	EACH	14		14	
X	A2002920 TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2		
X	A2004820 TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2		
X	A2005020 TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	24	24		
X	A2007116 TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8		
X	A2007920 TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	4		
X	A2008120 TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLE LEAF LINDEN), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	11	11		
X	B2000130 TREE, ACER FREEMANII CELZAM (CELEBRATION FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	6		
X*	K0012970 PERENNIAL PLANTS, BULB TYPE	UNIT	93	93		
X*	K0012990 PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	122	122		
X*	K0012993 PERENNIAL PLANTS, ORNAMENTAL TYPE, 3-GALLON POT	UNIT	7	7		
X*	K1001988 IRRIGATION SYSTEM SPECIAL	L SUM	1	1		
*	X0301423 NOISE ABATEMENT WALL, GROUND MOUNTED	SQ FT	38,139	38,139		
*	X0321865 ANTI-GRAFFITI PROTECTION SYSTEM	SQ FT	97,875			97,875
*	X0324013 NOISE ABATEMENT WALL, STRUCTURE MOUNTED	SQ FT	1,572	1,572		
X*	X0324085 EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	900		900	
*	X0325110 BIAXIAL GEOGRID	SQ YD	195	195		
X*	X0326712 ABANDON AND FILL EXISTING SANITARY SEWER	EACH	1	1		
*	X0326749 AIR RELEASE VALVE MANHOLE	EACH	1	1		
X*	X0327211 RELOCATE SWITCH	EACH	2		2	
X*	X0327698 LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	6		6	
*	X0327980 PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	19,173	19,173		
*	X0426200 DEWATERING	L SUM	1	1		
X*	X0487850 SANITARY SEWER REMOVAL 15"	FOOT	41	41		
X*	X0840000 SANITARY SEWER REMOVAL 8"	FOOT	1,769	1,769		
*	X1200046 STORM SEWERS, CLASS B, TYPE 2 8"	FOOT	89	89		
X*	X1400007 FIBER OPTIC CABLE IN CONDUIT, 24 FIBERS, SINGLE MODE	FOOT	11,167		11,167	
X*	X1400102 OUTDOOR RATED NETWORK CABLE	FOOT	323		323	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SHEET NO. 9 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	12
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0003 ROADWAY STU (80/20)	0021 SIGNALS STU (80/20)	NON-PARTICIPATING
* X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	200	200		
X* X2200018	ORNAMENTAL FENCE	FOOT	1,420	1,420		
* X2800302	TEMPORARY DITCH CHECKS (SPECIAL)	FOOT	2,080	2,080		
* X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	11	11		
* X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	6	6		
* X4023000	TEMPORARY ACCESS (ROAD)	EACH	8	8		
* X4024100	TEMPORARY ACCESS (WINTERIZE)	SQ YD	207	207		
* X5030290	STAINING CONCRETE STRUCTURES	SQ FT	97,875	97,875		
X* X5091755	PARAPET RAILING, SPECIAL	FOOT	1,313	1,313		
X* X5610009	PIPE INSULATION SYSTEM	FOOT	730	730		
X* X5620118	WATER SERVICE CONNECTION (LONG)	EACH	4	4		
* X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE I FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	2	2		
* X6020297	MANHOLES, TYPE A, 7'-DIAMETER, WITH 2 TYPE I FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	2	2		
X* X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	2	2		
X* X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	9	9		
X* X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	6	6		
X* X6026054	SANITARY MANHOLES TO BE REMOVED	EACH	6	6		
* X6026622	VALVE VAULTS TO BE REMOVED	EACH	1	1		
* X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	20	20		
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1		
* X7015005	CHANGEABLE MESSAGE SIGN	CAL DAY	180	180		
* X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	7,591	7,591		
* X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	793	793		
X* X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	1,179	1,179		
X* X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	449	449		
X* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	1,300	1,300		
X* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	21,971	21,971		
X* X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	20,376	20,376		
X* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	3,521	3,521		
X* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	2,889	2,889		

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SHEET NO. 10 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	13
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0003 ROADWAY STU (80/20)	0021 SIGNALS STU (80/20)	NON-PARTICIPATING
X*	X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	328	328	
X*	X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2	2	
X*	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2	2	
X*	X8770125	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT. (SPECIAL)	EACH	1	1	
X*	X8770135	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT. (SPECIAL)	EACH	1	1	
X*	X8770139	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT. (SPECIAL)	EACH	1	1	
X*	X8770140	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT. (SPECIAL)	EACH	1	1	
X*	X8770151	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT. (SPECIAL)	EACH	2	2	
X*	X8771220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT. (SPECIAL)	EACH	1	1	
X*	XX003536	CONNECTION TO EXISTING WATER MAIN (NON PRESSURE)	EACH	3	3	
*	XX003668	PRECONSTRUCTION VIDEO TAPING	LSUM	1		1
X*	XX005723	VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	EACH	2	2	
*	XX005845	MODULAR CONCRETE PAVERS (SPECIAL)	SQ FT	948	948	
X*	XX005931	TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	5	5	
X*	XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	2	2	
X*	XX006655	LAYER II (DATALINK) SWITCH	EACH	2	2	
X*	XX006658	FLOCCULATION LOGS	EACH	300	300	
X*	XX006659	FLOCCULATION POWDER	POUND	10	10	
*	XX006731	LEVEL SPREADER	EACH	1	1	
X*	XX007531	RELOCATE EXISTING LIGHT POLE ONTO NEW FOUNDATION	EACH	1	1	
*	XX007881	DOCUMENTATION CAMERAS	LSUM	1		1
X*	XX007920	LANDSCAPING STONE	TON	123	123	
X*	XX008132	RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM	EACH	2	2	
X*	XX008678	RELOC EXIST ENCODER	EACH	4	4	
X*	XX008839	WATER MAIN TO BE ABANDONED	LSUM	1	1	
*	XX009209	CONCRETE COLUMN GROUND IMPROVEMENT, LOCATION 1	LSUM	1	1	
*	XX009210	CONCRETE COLUMN GROUND IMPROVEMENT, LOCATION 2	LSUM	1	1	
*	Z0010600	CLEANING DRAINAGE SYSTEM	FOOT	455		455
*	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
*	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	5		5

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**SUMMARY OF QUANTITIES**

SHEET NO. 11 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	14
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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FINAL SURVEY	
NOTE BOOK	
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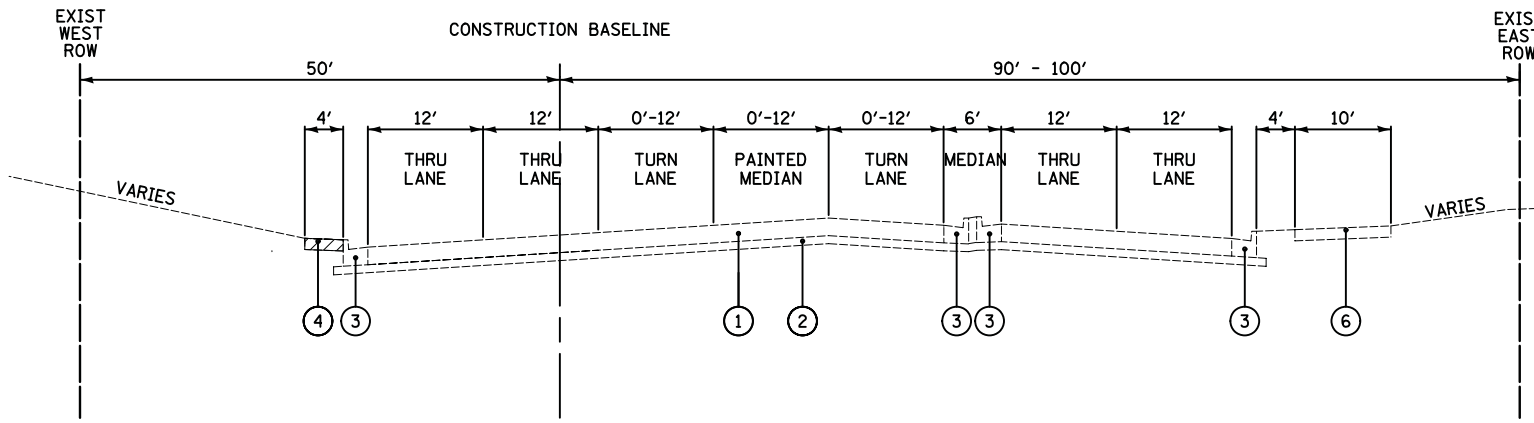
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ORIGINAL SURVEY	
NOTE BOOK	
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0003 ROADWAY STU (80/20)	0021 SIGNALS STU (80/20)	NON-PARTICIPATING
X*	Z0019400 DRY RUBBLE STONE OR BROKEN CONCRETE TREE WELLS	CU YD	4	4		
*	Z0019598 DUST CONTROL, SPECIAL	GALLON	20,000	20,000		
*	Z0022800 FENCE REMOVAL	FOOT	667	667		
*	Z0023201 SEDIMENT CONTROL, SILT CURTAIN	EACH	8	8		
*	Z0030850 TEMPORARY INFORMATION SIGNING	SQ FT	222	222		
X*	Z0033046 RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	2		2	
*	Z0033700 LONGITUDINAL JOINT SEALANT	FOOT	69,752	69,752		
*	Z0046304 PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1,868	1,868		
*	Z0056612 STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	380	380		
*	Z0056616 STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	119	119		
X*	Z0056900 SANITARY SEWER 8"	FOOT	1,851	1,851		
X*	Z0057000 SANITARY SEWER 10"	FOOT	231	231		
*	Z0062456 TEMPORARY PAVEMENT	SQ YD	12,671	12,671		
*	Z0070200 SURVEY MONUMENTS	EACH	24	24		
X*	Z0073510 TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2		2	
*	Z0075496 CONCRETE RETAINING WALL REMOVAL	FOOT	35	35		
XX*	Z0076600 TRAINEES	HOUR	1,500	1,500		
XX*	Z0076604 TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,500	1,500		

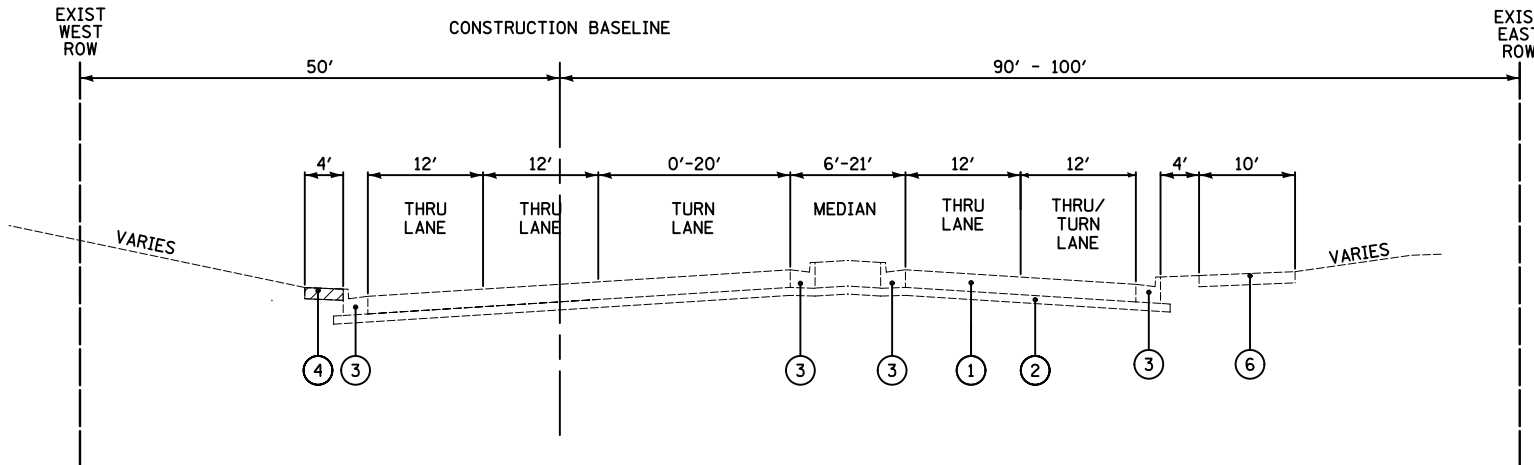
X DENOTES SPECIALTY ITEM  
 XX DENOTES CONSTRUCTION TYPE CODE 0042  
 \* DENOTES SPECIAL PROVISION

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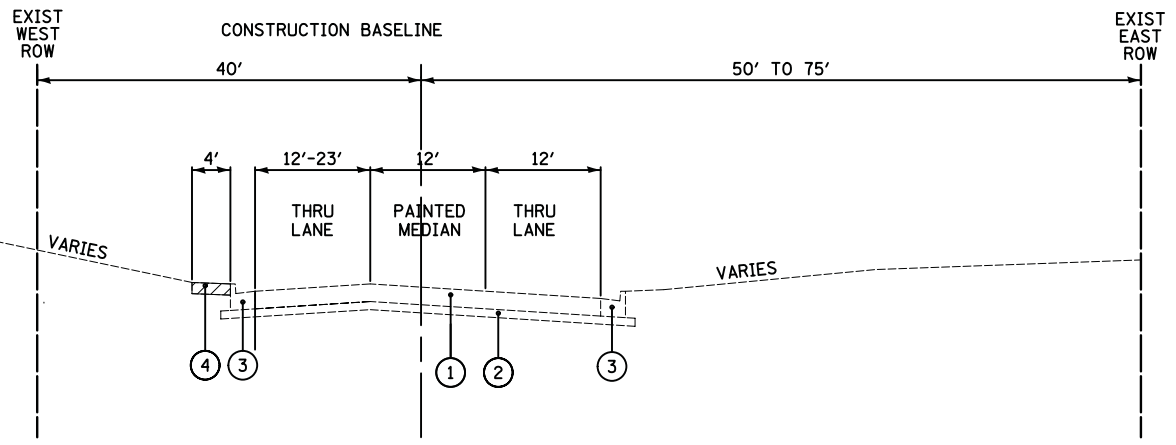
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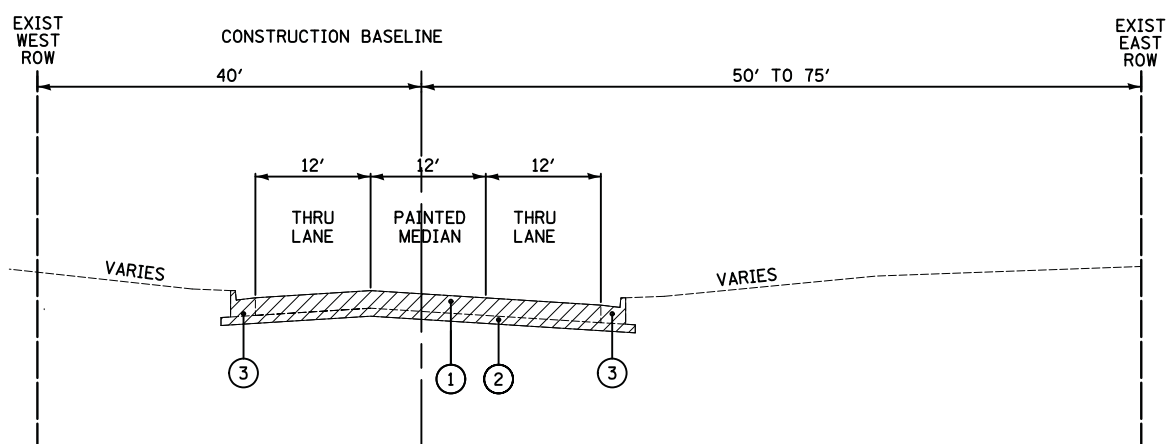
**EXISTING TYPICAL SECTION QUENTIN ROAD**  
STA 408+10.5 TO STA 411+82.0



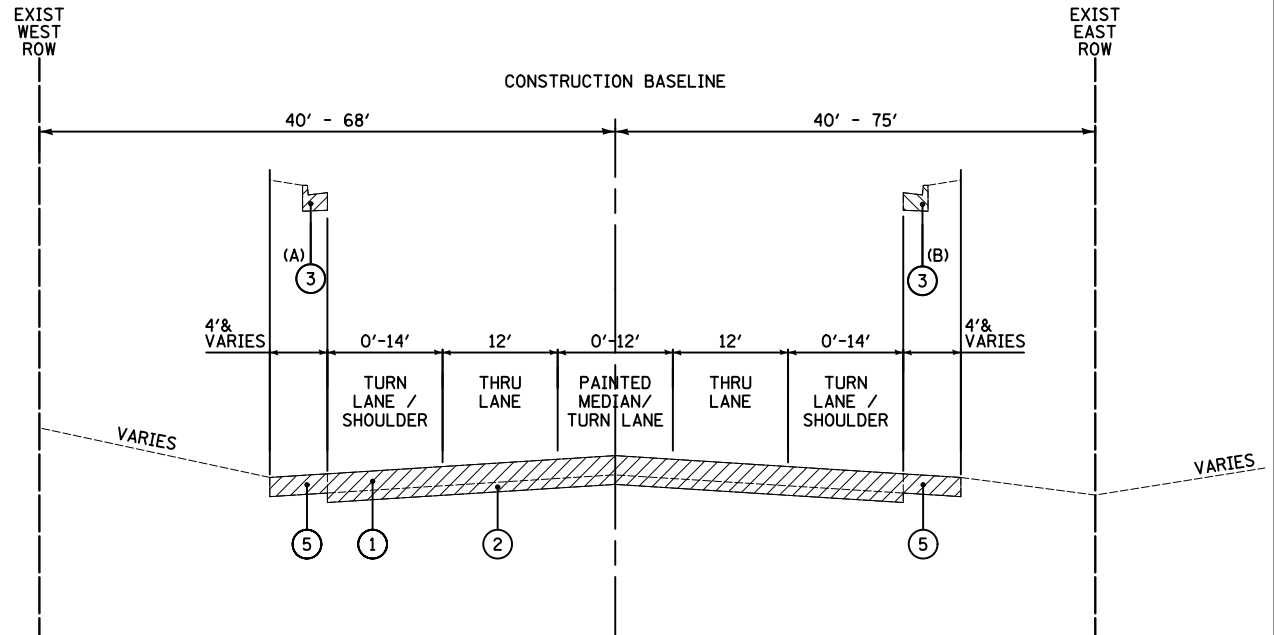
**EXISTING TYPICAL SECTION QUENTIN ROAD**  
STA 411+82.0 TO STA 417+25.5



**EXISTING TYPICAL SECTION QUENTIN ROAD**  
STA 417+25.5 TO STA 417+54.0



**EXISTING TYPICAL SECTION QUENTIN ROAD**  
STA 417+54.0 TO STA 423+80.0



**EXISTING TYPICAL SECTION QUENTIN ROAD**  
STA 423+80.0 TO STA 508+08.0  
(A) STATION RANGE: 431+95.0 TO 434+57.0, 445+76.0 TO 448+64.0, 453+14.0 TO 457+47.0, 461+83.0 TO 468+90.0, AND 493+45.0 TO 496+00.0  
(B) STATION RANGE: 429+63.0 TO 433+23.0, 443+33.0 TO 449+73.0, 453+84.0 TO 456+82.0, AND 461+69.0 TO 466+00.0

**EXISTING LEGEND**

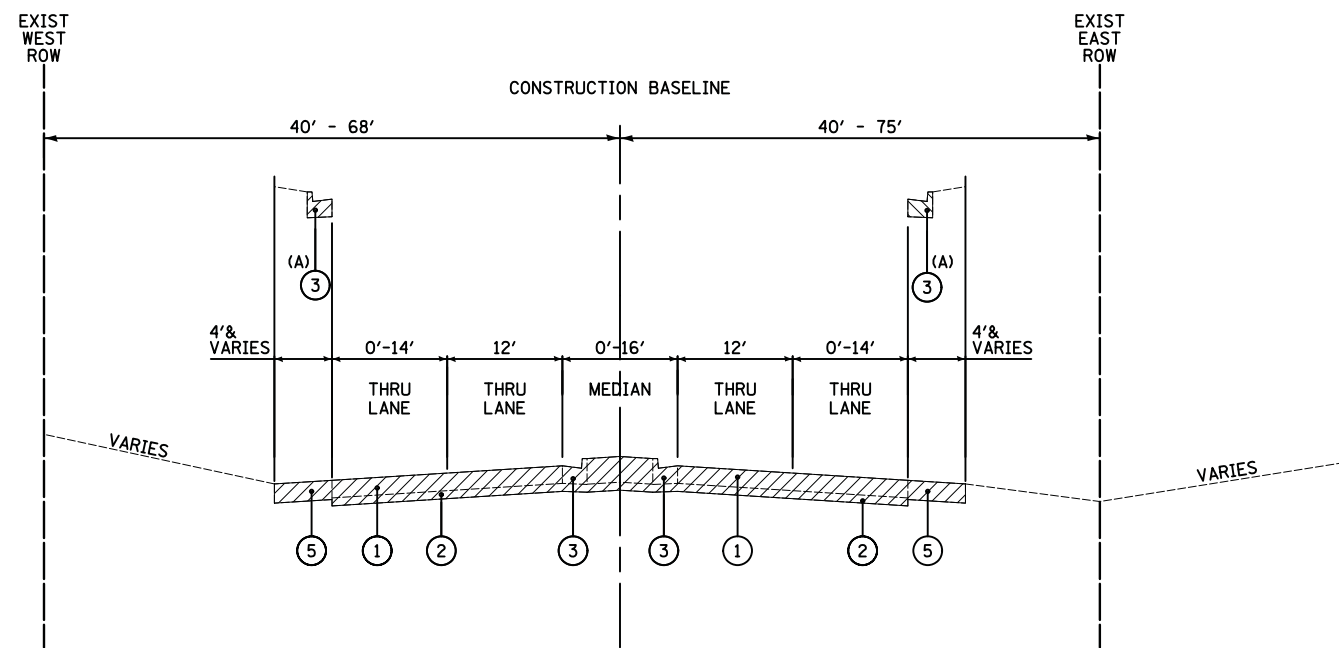
- ① EXISTING HOT-MIX ASPHALT PAVEMENT, THICKNESS VARIES FROM 11" TO 20.5" (REFERENCE ROADWAY GEOTECHNICAL REPORT PREPARED BY MIDLAND STANDARD ENGINEERING & TESTING, INC. DATED MARCH 2, 2012)
- ② EXISTING AGGREGATE SUBGRADE, THICKNESS VARIES FROM 3" TO 10" (REFERENCE ROADWAY GEOTECHNICAL REPORT PREPARED BY MIDLAND STANDARD ENGINEERING & TESTING, INC. DATED MARCH 2, 2012)
- ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ④ EXISTING HMA SHOULDER
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ EXISTING HMA BIKEPATH

REMOVAL

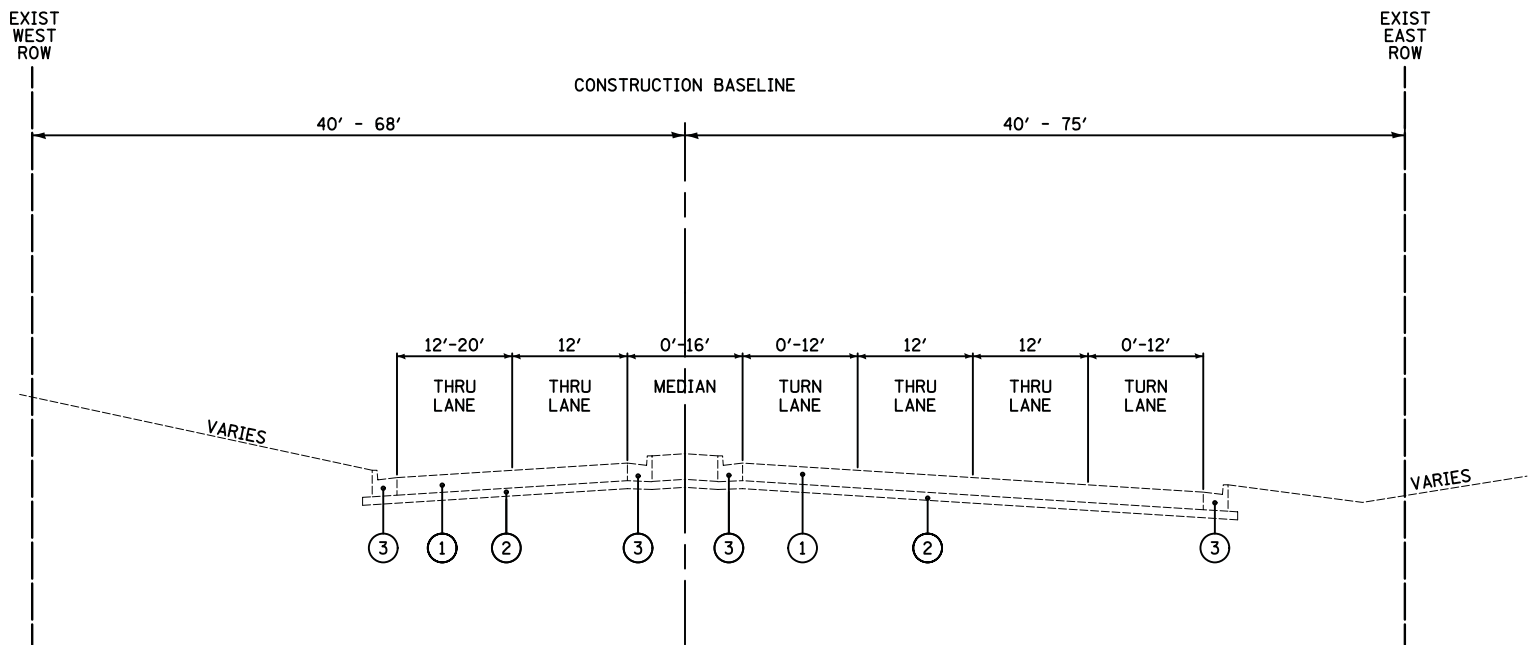


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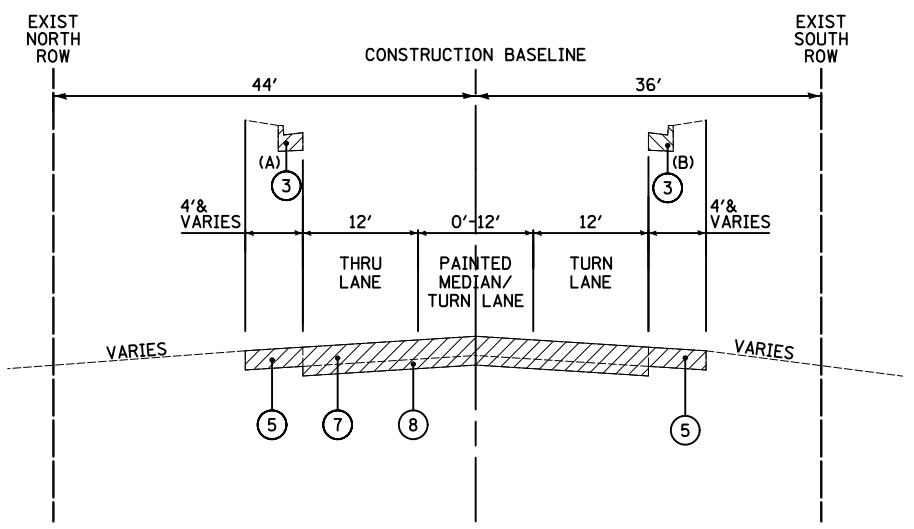
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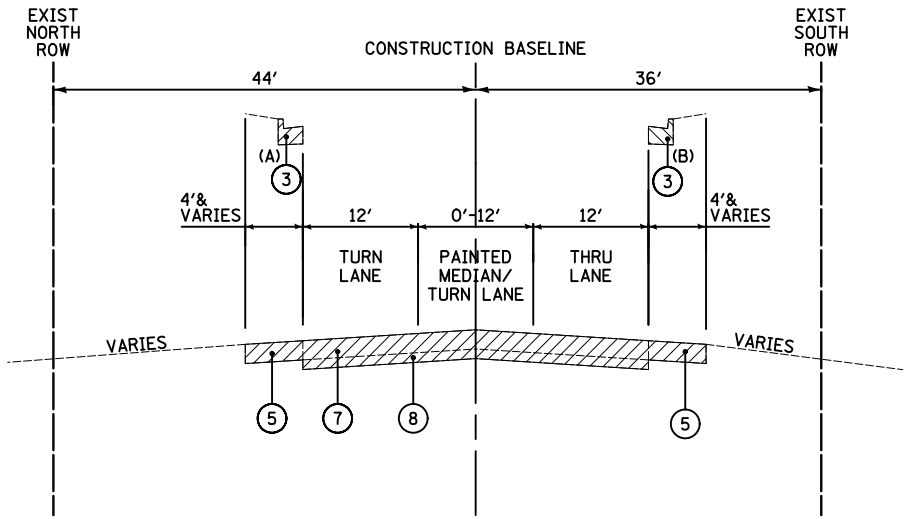
**EXISTING TYPICAL SECTION QUENTIN ROAD**  
 STA 508+08.0 TO STA 511+23.0  
 (A) STATION RANGE: 510+73.0 TO 511+23.0



**EXISTING TYPICAL SECTION QUENTIN ROAD**  
 STA 511+23.0 TO STA 515+84.8



**EXISTING TYPICAL SECTION WEST CUBA ROAD**  
 STA 244+05.1 TO STA 249+80.6  
 (A) STATION RANGE: 244+05.1 TO 245+30.7, 248+63.0 TO 249+80.6  
 (B) STATION RANGE: 247+76.2 TO 249+80.6



**EXISTING TYPICAL SECTION EAST CUBA ROAD**  
 STA 300+52.0 TO STA 304+09.0  
 (A) STATION RANGE: 300+52.0 TO 302+13.0  
 (B) STATION RANGE: 300+52.0 TO 300+70.0

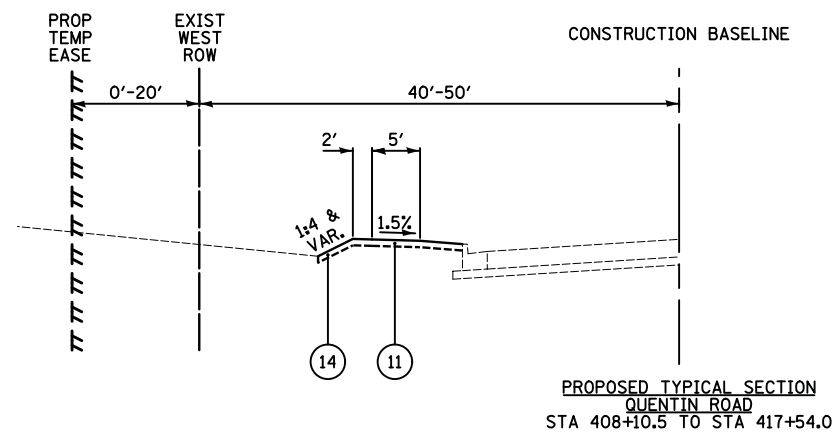
**EXISTING LEGEND**

- ① EXISTING HOT-MIX ASPHALT PAVEMENT, THICKNESS VARIES FROM 11" TO 20.5" (REFERENCE ROADWAY GEOTECHNICAL REPORT PREPARED BY MIDLAND STANDARD ENGINEERING & TESTING, INC. DATED MARCH 2, 2012)
- ② EXISTING AGGREGATE SUBGRADE, THICKNESS VARIES FROM 3" TO 10" (REFERENCE ROADWAY GEOTECHNICAL REPORT PREPARED BY MIDLAND STANDARD ENGINEERING & TESTING, INC. DATED MARCH 2, 2012)
- ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ④ EXISTING HMA SHOULDER
- ⑤ EXISTING AGGREGATE SHOULDER
- ⑥ EXISTING HMA BIKEPATH
- ⑦ EXISTING HOT-MIX ASPHALT PAVEMENT, THICKNESS VARIES FROM 7" TO 7.5" (REFERENCE ROADWAY GEOTECHNICAL REPORT PREPARED BY MIDLAND STANDARD ENGINEERING & TESTING, INC. DATED MARCH 2, 2012)
- ⑧ EXISTING AGGREGATE SUBGRADE, THICKNESS VARIES FROM 10.5" TO 13" (REFERENCE ROADWAY GEOTECHNICAL REPORT PREPARED BY MIDLAND STANDARD ENGINEERING & TESTING, INC. DATED MARCH 2, 2012)

▨ REMOVAL

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AREAS CHECKED	
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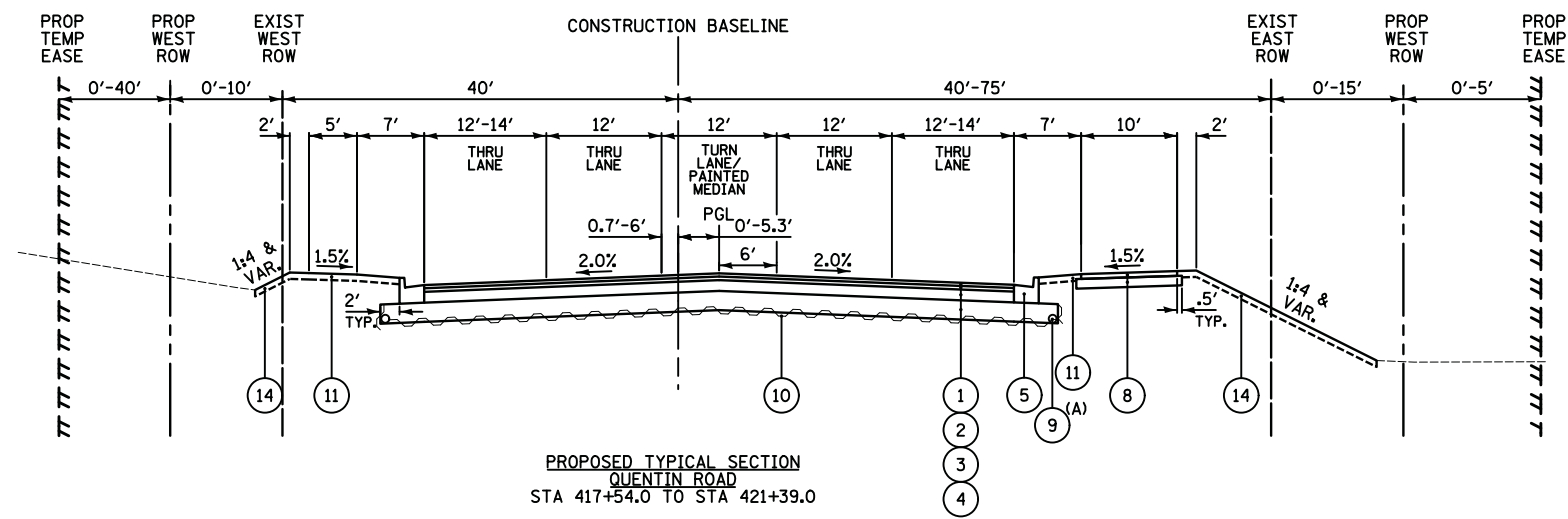
**SOILS NOTE:**  
 AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE AND/OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 (04/01/2016) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE CURRENT IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

THE LIMITS OF UNSTABLE SOILS ARE AT THE APPROXIMATE LOCATIONS AS FOLLOWS:

STA TO STA	ESTIMATED UNDERCUT BELOW DESIGN SUBGRADE
458+00 TO 461+50	6" FOR FULL WIDTH
467+50 TO 470+50	12" FOR FULL WIDTH
488+50 TO 491+50	6" FOR FULL WIDTH
494+50 TO 497+50	6" FOR FULL WIDTH

**PROPOSED LEGEND**

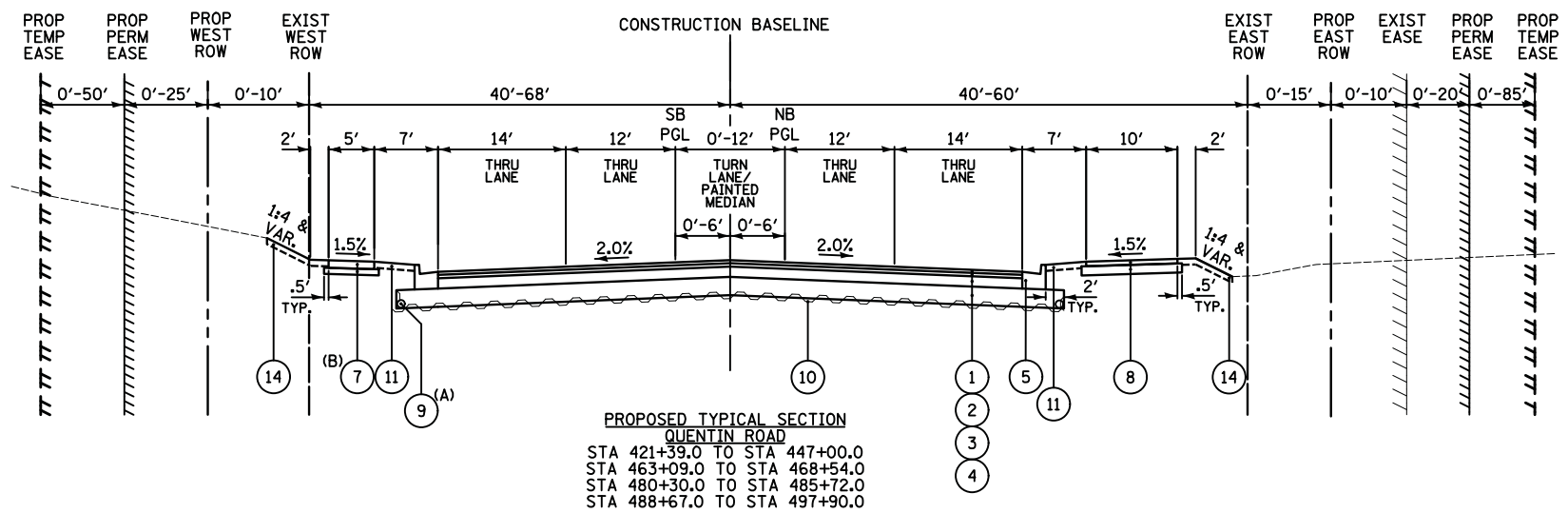
- 1 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2"
- 2 PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2-1/4"
- 3 PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 6-3/4"
- 4 PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- 5 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 6 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 7 PROPOSED PCC SIDEWALK, 5 INCH WITH AGGREGATE BASE COURSE, TYPE B (4 INCH MIN.)
- 8 PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50, 3" AND AGGREGATE BASE COURSE, TYPE B (6 INCH MIN.)
- 9 PROPOSED PIPE UNDERDRAINS, TYPE 1, 4"
- 10 PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 11 PROPOSED TOPSOIL 4" AND SODDING, SALT TOLERANT
- 12 PROPOSED TOPSOIL 30" (SEE LANDSCAPING SHEETS FOR LIMITS)
- 13 AGGREGATE SHOULDERS, TYPE B 6"
- 14 PROPOSED TOPSOIL 4" AND SEEDING CLASS 2A OR PROPOSED TOPSOIL 8" AND SEEDING CLASS 4



(A) LONGITUDINAL UNDERDRAINS SHALL BE INSTALLED AT THE OUTSIDE EDGE OF THE PAVEMENT AND AT MEDIANS ON LOWER SIDE OF SUPERELEVATED ROADWAYS TO DRAIN THE AGGREGATE SUBGRADE. TRANSVERSE UNDERDRAINS SHALL BE INSTALLED AT THE LOW POINTS OF THE PROFILE AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
<b>FULL DEPTH PAVEMENT</b>	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5 mm); 2" (IN 1 LIFT)	4% @ 70 Gyr.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90; 2-1/4" (IN 1 LIFT)	4% @ 90 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90; 6-3/4" (IN 2 LIFTS)	4% @ 90 Gyr.
<b>PAVEMENT RESURFACING</b>	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5 mm); 2" (IN 1 LIFT)	4% @ 70 Gyr.
LEVELING BINDER (MACHINE METHOD), N70	4% @ 70 Gyr.
<b>TEMPORARY PAVEMENT</b>	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 8" (IN 2 LIFTS)	4% @ 70 Gyr.
<b>BIKE PATH PAVEMENT</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 3" (IN 1 LIFT)	4% @ 50 Gyr.
<b>DRIVEWAYS</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 3" (IN 1 LIFT)	4% @ 50 Gyr.
<b>PATCHING</b>	
CLASS D PATCHES (HMA BINDER IL-19 mm); 8" (IN 3 LIFTS)	4% @ 70 Gyr.

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 HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



(A) LONGITUDINAL UNDERDRAINS SHALL BE INSTALLED AT THE OUTSIDE EDGE OF THE PAVEMENT AND AT MEDIANS ON LOWER SIDE OF SUPERELEVATED ROADWAYS TO DRAIN THE AGGREGATE SUBGRADE. TRANSVERSE UNDERDRAINS SHALL BE INSTALLED AT THE LOW POINTS OF THE PROFILE AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.

(B) SIDEWALK BEGINS AT 433+12.9

**CIVILTECH**  
 Two Pierce Place, Suite 1400  
 Itasca, Illinois 60143  
 Tel: 630.773.3900 Fax: 630.773.3975  
 www.civiltechinc.com

DESIGNED - PK	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 3/12/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

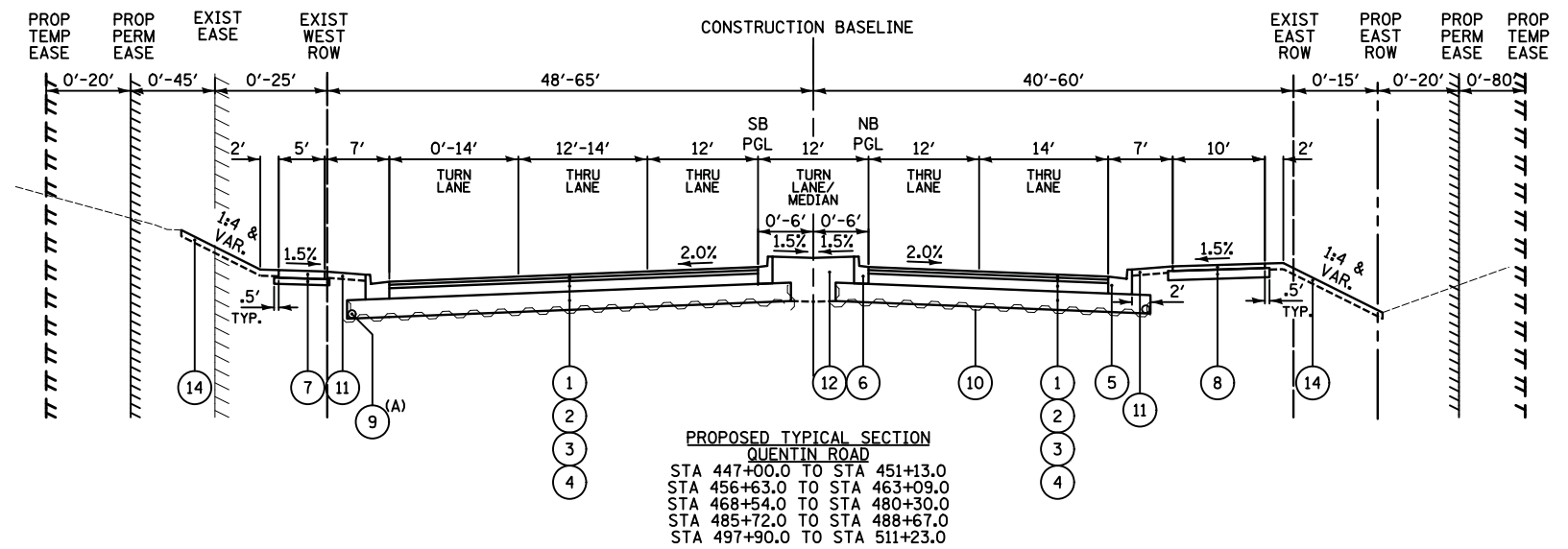
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<b>PROPOSED TYPICAL SECTIONS</b>	
SHEET NO. 1 OF 3 SHEETS	STA. TO STA.

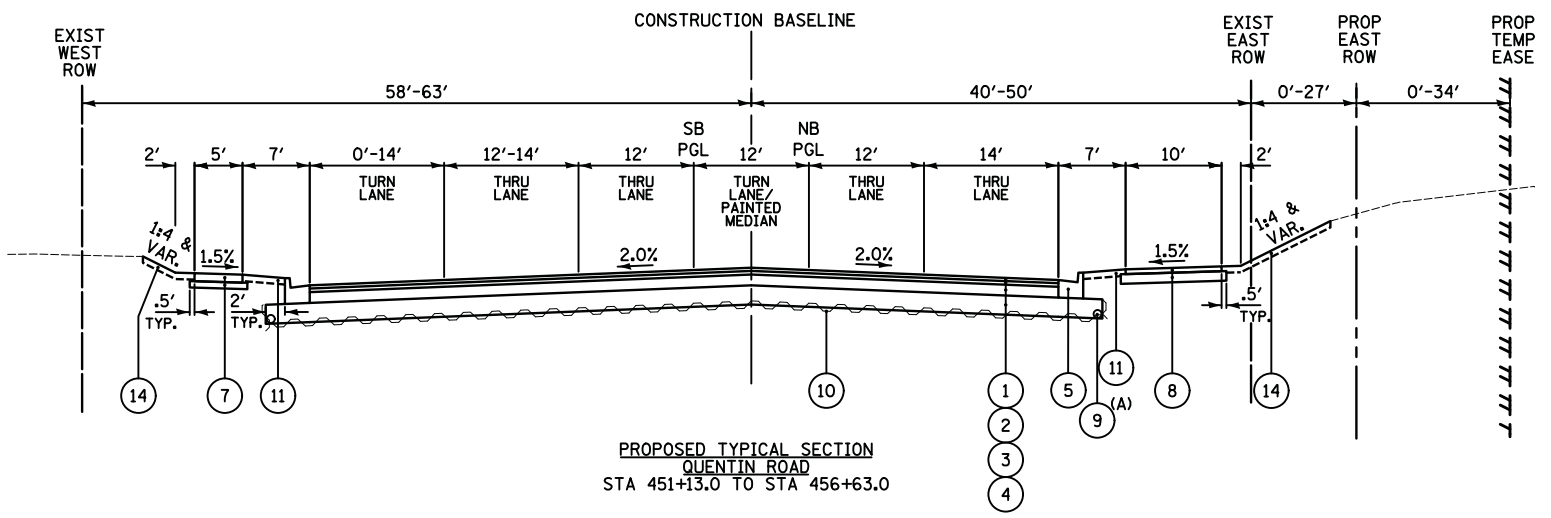
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	18
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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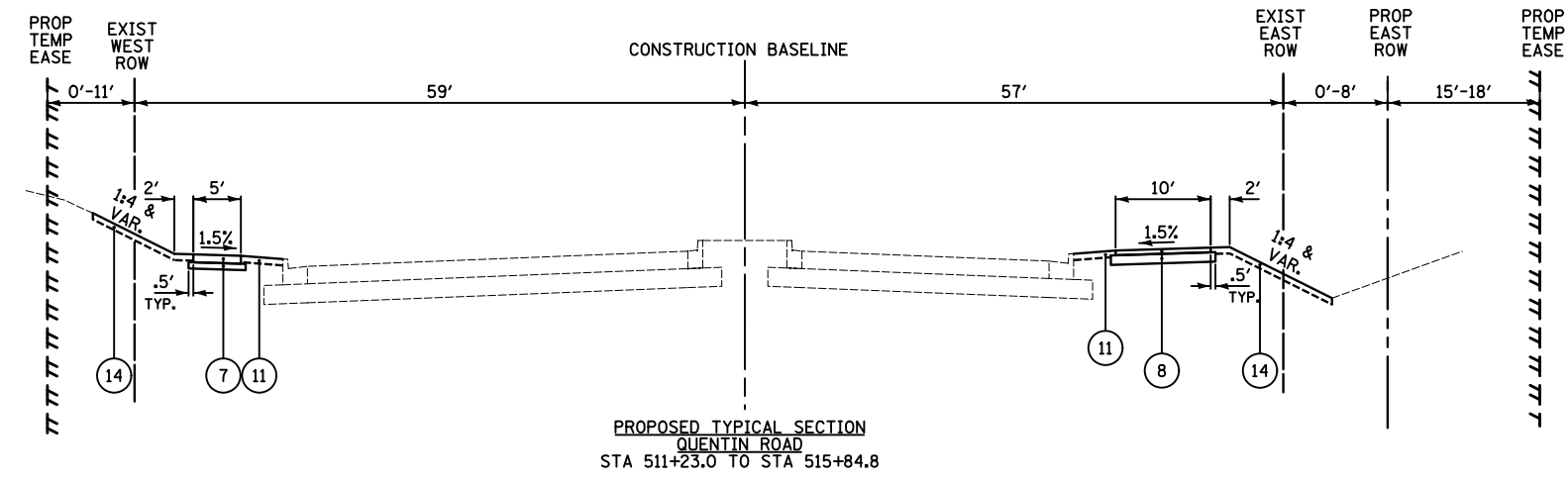
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(A) LONGITUDINAL UNDERDRAINS SHALL BE INSTALLED AT THE OUTSIDE EDGE OF THE PAVEMENT AND AT MEDIANS ON LOWER SIDE OF SUPERELEVATED ROADWAYS TO DRAIN THE AGGREGATE SUBGRADE. TRANSVERSE UNDERDRAINS SHALL BE INSTALLED AT THE LOW POINTS OF THE PROFILE AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.



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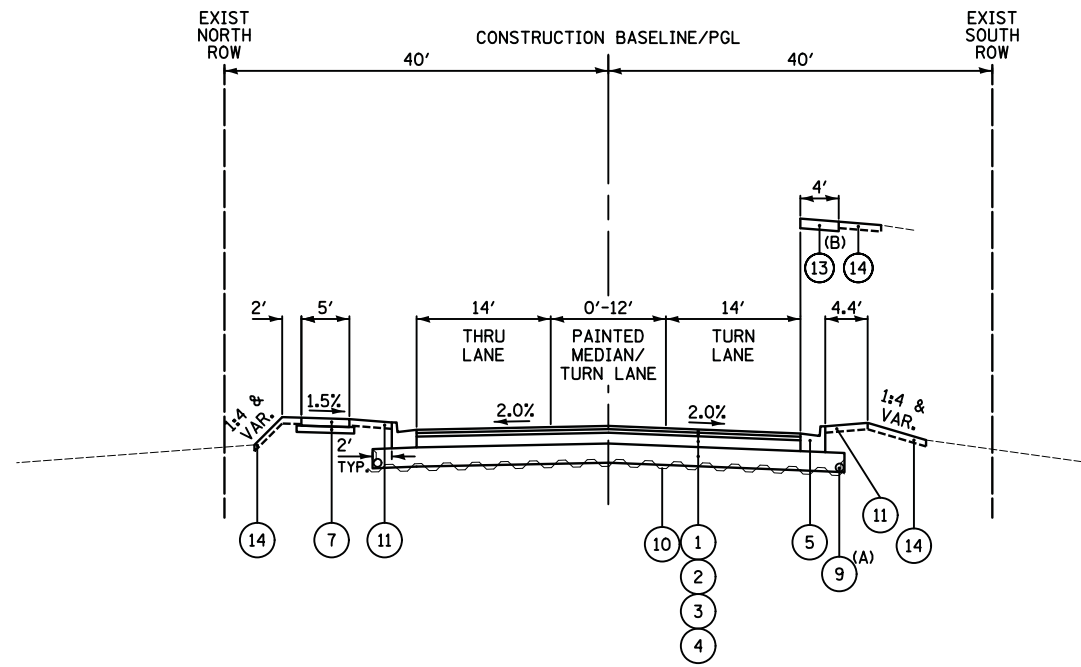


**PROPOSED LEGEND**

- 1 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2"
- 2 PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2-1/4"
- 3 PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 6-3/4"
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- 5 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 6 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
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- 10 PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 11 PROPOSED TOPSOIL 4" AND SODDING
- 12 PROPOSED TOPSOIL 30" (SEE LANDSCAPING SHEETS FOR LIMITS)
- 13 AGGREGATE SHOULDERS, TYPE B 6"
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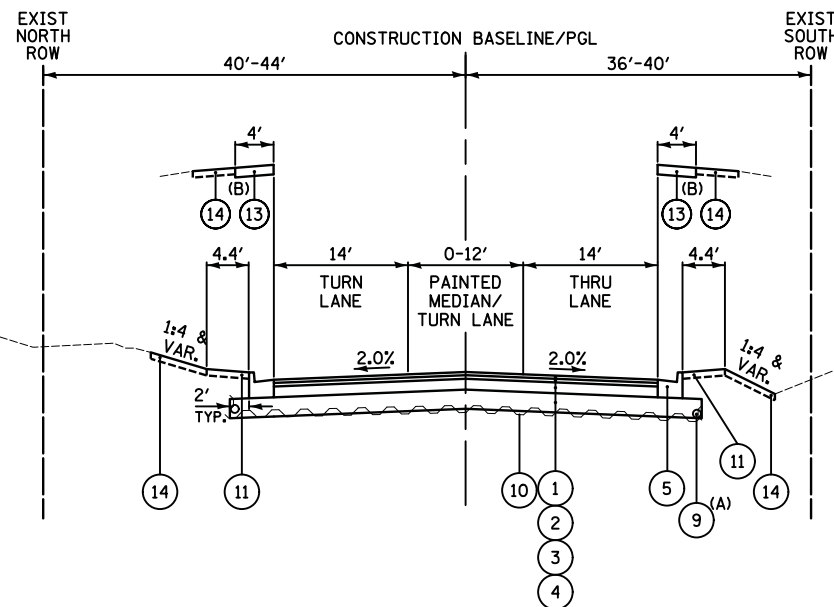
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**PROPOSED TYPICAL SECTION WEST CUBA ROAD**  
 STA 244+05.1 TO STA 249+80.6

(A) LONGITUDINAL UNDERDRAINS SHALL BE INSTALLED AT THE OUTSIDE EDGE OF THE PAVEMENT AND AT MEDIANS ON LOWER SIDE OF SUPERELEVATED ROADWAYS TO DRAIN THE AGGREGATE SUBGRADE. TRANSVERSE UNDERDRAINS SHALL BE INSTALLED AT THE LOW POINTS OF THE PROFILE AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.

(B) STATION RANGE: 244+05.1 TO 247+75.0



**PROPOSED TYPICAL SECTION EAST CUBA ROAD**  
 STA 300+52.0 TO STA 304+09.0

(A) LONGITUDINAL UNDERDRAINS SHALL BE INSTALLED AT THE OUTSIDE EDGE OF THE PAVEMENT AND AT MEDIANS ON LOWER SIDE OF SUPERELEVATED ROADWAYS TO DRAIN THE AGGREGATE SUBGRADE. TRANSVERSE UNDERDRAINS SHALL BE INSTALLED AT THE LOW POINTS OF THE PROFILE AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.

(B) STATION RANGE: 302+50.0 TO 304+09.0

**PROPOSED LEGEND**

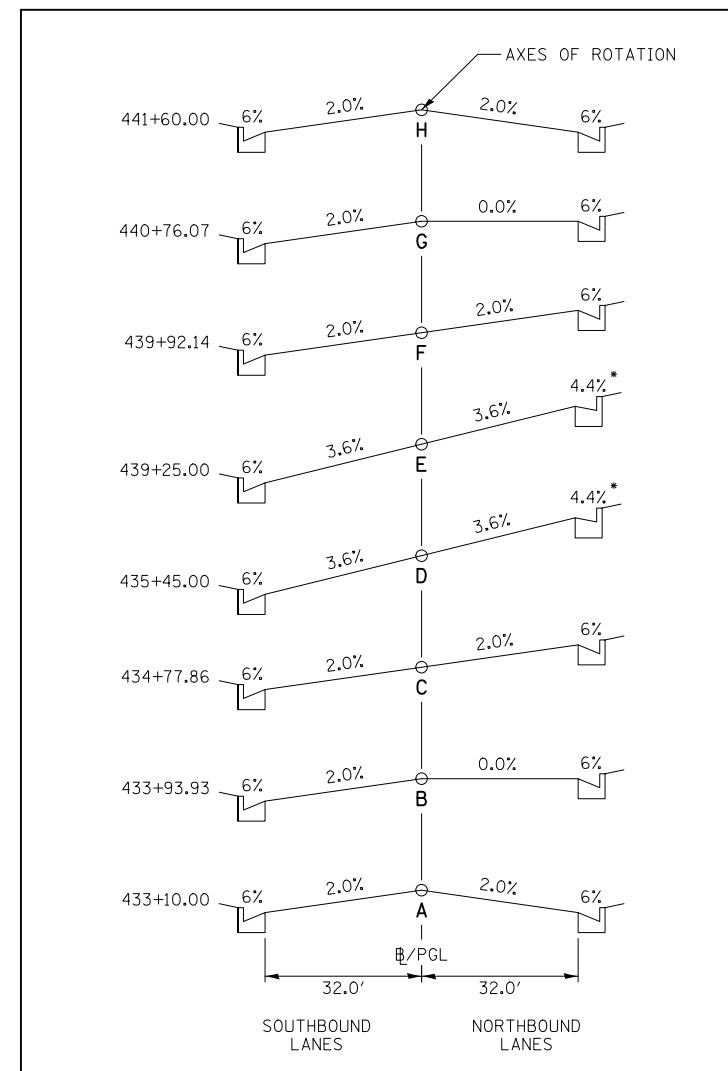
- 1 PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, 2"
- 2 PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2-1/4"
- 3 PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 6-3/4"
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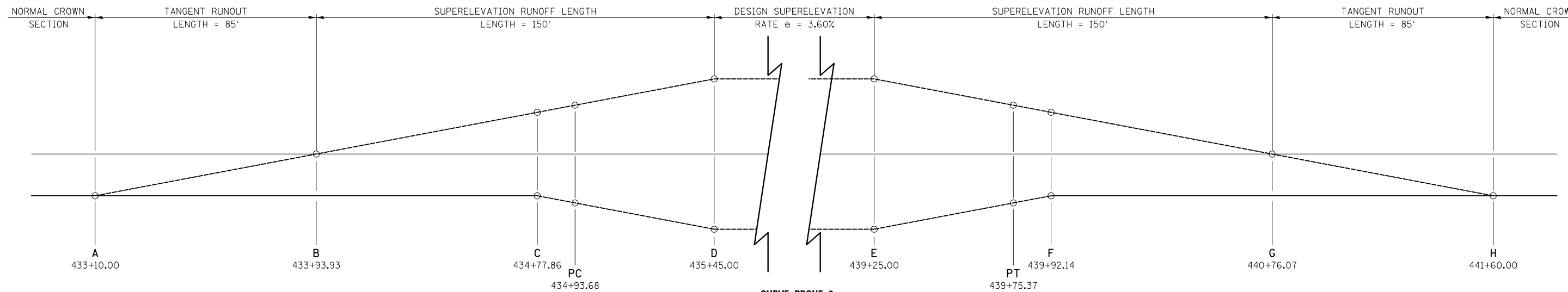
Curve PRQUE 3 Superelevation Variables	
Radius of curve =	1,432.700 ft
Design speed =	50.0 mph
Width of lane =	12.0 ft
e =	0.036 ff
Max Grade =	1.49 %
Normal Slope =	0.020 ff
PC =	434+93.68
PT =	439+75.37
e <sub>max</sub> =	4.0 %
RS =	200.00
L <sub>1</sub> =	150 ft
TR =	85 ft

Curve PRQUE 3 Superelevation Stationing and Elevations								
Transition Point	BL/PGL EL.	Station	SB Super Rate	SS LT EOP	SB Gutter Slope	NB Super Rate	NB RT EOP	NB Gutter Slope
A = Normal	784.29	433+10.00	-2.00%	783.65	-6.00%	-2.00%	783.65	-6.00%
	784.38	433+25.00	-2.00%	783.74	-6.00%	-1.64%	783.85	-6.00%
	784.51	433+50.00	-2.00%	783.87	-6.00%	-1.05%	784.17	-6.00%
	784.59	433+75.00	-2.00%	783.95	-6.00%	-0.45%	784.45	-6.00%
B = Zero	784.63	433+93.93	-2.00%	783.99	-6.00%	0.00%	784.63	-6.00%
	784.63	434+00.00	-2.00%	783.99	-6.00%	0.14%	784.68	-6.00%
	784.64	434+25.00	-2.00%	784.00	-6.00%	0.74%	784.88	-6.00%
	784.60	434+50.00	-2.00%	783.96	-6.00%	1.34%	785.03	-6.00%
C = Edge Breakpoint	784.53	434+75.00	-2.00%	783.89	-6.00%	1.93%	785.15	-6.00%
	784.52	434+77.86	-2.00%	783.88	-6.00%	2.00%	785.16	-6.00%
	784.45	434+93.68	-2.38%	783.69	-6.00%	2.38%	785.21	-5.62%
	784.41	435+00.00	-2.53%	783.60	-6.00%	2.53%	785.22	-5.47%
D = Full Super	784.26	435+25.00	-3.12%	783.26	-6.00%	3.12%	785.26	-4.88%
	784.11	435+45.00	-3.60%	782.95	-6.00%	3.60%	785.26	-4.40%
	784.06	435+50.00	-3.60%	782.91	-6.00%	3.60%	785.22	-4.40%
	783.83	435+75.00	-3.60%	782.68	-6.00%	3.60%	784.98	-4.40%
	783.56	436+00.00	-3.60%	782.40	-6.00%	3.60%	784.71	-4.40%
	783.24	436+25.00	-3.60%	782.09	-6.00%	3.60%	784.39	-4.40%
	782.89	436+50.00	-3.60%	781.74	-6.00%	3.60%	784.04	-4.40%
	782.54	436+75.00	-3.60%	781.39	-6.00%	3.60%	783.69	-4.40%
	782.23	437+00.00	-3.60%	781.08	-6.00%	3.60%	783.38	-4.40%
	781.97	437+25.00	-3.60%	780.81	-6.00%	3.60%	783.12	-4.40%
	781.75	437+50.00	-3.60%	780.59	-6.00%	3.60%	782.90	-4.40%
	781.57	437+75.00	-3.60%	780.42	-6.00%	3.60%	782.72	-4.40%
E = Full Super	781.44	438+00.00	-3.60%	780.29	-6.00%	3.60%	782.59	-4.40%
	781.35	438+25.00	-3.60%	780.20	-6.00%	3.60%	782.50	-4.40%
	781.30	438+50.00	-3.60%	780.15	-6.00%	3.60%	782.46	-4.40%
	781.30	438+75.00	-3.60%	780.15	-6.00%	3.60%	782.45	-4.40%
F = Edge Breakpoint	781.34	439+00.00	-3.60%	780.19	-6.00%	3.60%	782.50	-4.40%
	781.43	439+25.00	-3.60%	780.28	-6.00%	3.60%	782.58	-4.40%
	781.56	439+50.00	-3.00%	780.60	-6.00%	3.00%	782.52	-5.00%
	781.73	439+75.00	-2.41%	780.96	-6.00%	2.41%	782.50	-5.59%
G = Zero	781.74	439+75.37	-2.40%	780.97	-6.00%	2.40%	782.50	-5.60%
	781.88	439+92.14	-2.00%	781.24	-6.00%	2.00%	782.52	-6.00%
	781.95	440+00.00	-2.00%	781.31	-6.00%	1.81%	782.53	-6.00%
	782.21	440+25.00	-2.00%	781.57	-6.00%	1.22%	782.60	-6.00%
H = Normal	782.51	440+50.00	-2.00%	781.87	-6.00%	0.62%	782.71	-6.00%
	782.86	440+75.00	-2.00%	782.22	-6.00%	0.03%	782.87	-6.00%
	782.88	440+76.07	-2.00%	782.24	-6.00%	0.00%	782.88	-6.00%
	783.25	441+00.00	-2.00%	782.61	-6.00%	-0.57%	783.07	-6.00%



**CURVE PRQUE 3  
CROSS SECTION VIEW**

\* ON THE HIGH SIDE OF EACH TRAVELED WAY, THE GUTTERS WILL BE SET AT 6% UNTIL AN 8% BREAKOVER OCCURS BETWEEN THE GUTTER PANS AND THE ADJACENT PAVEMENT. FROM THIS POINT, THE CROSS SLOPE OF THE GUTTER PANS ON THE HIGH SIDE ARE ROTATED WITH THE ROADWAY THROUGH THE SUPERELEVATION TRANSITION MAINTAINING AN 8% BREAKOVER. SEE SUPERELEVATION TABLES FOR REFERENCE.



**CURVE PRQUE 3  
SUPERELEVATION PROFILE VIEW**

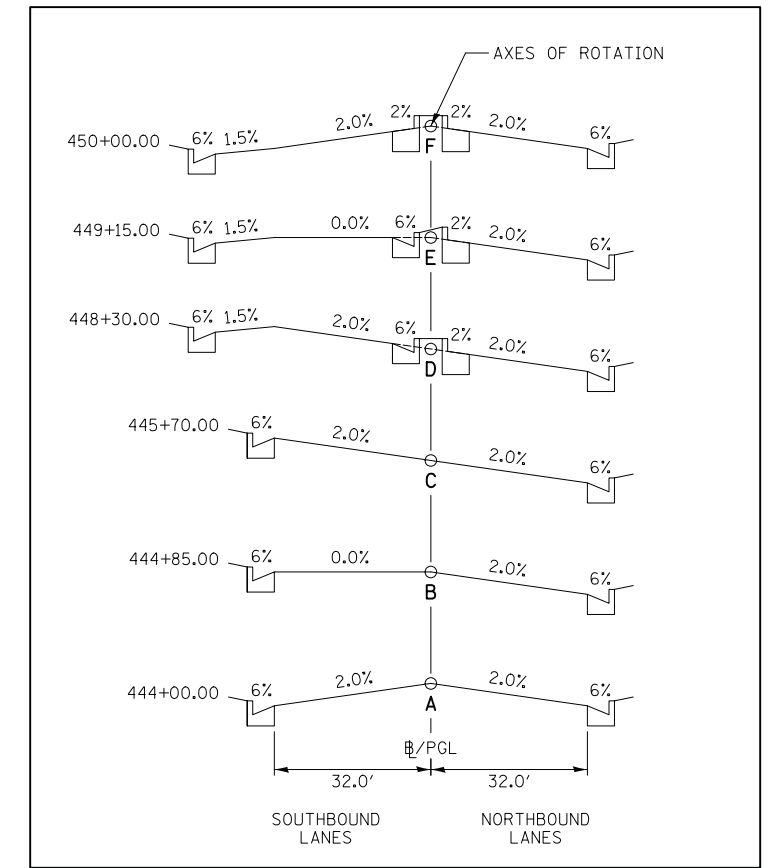
DATE  
BY  
SURVEYED  
PLOTTED  
TEMPLATE  
NOTE BOOK  
AREAS CHECKED  
NO.

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

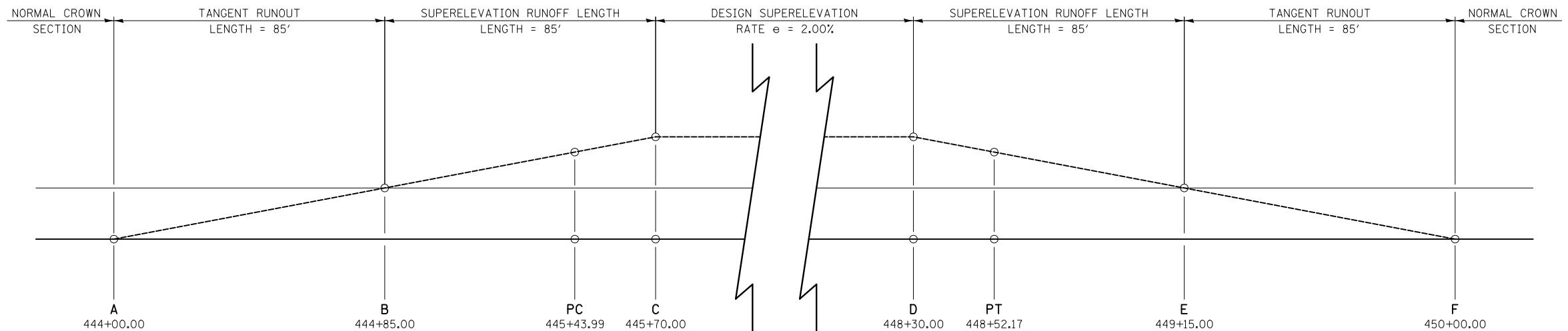
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

Curve PRQUE 4 Superelevation Variables	
Radius of curve =	5,729.700 ft
Design speed =	50.0 mph
Width of lane =	12.0 ft
e =	0.020 #/f
Max Grade =	4.10 %
Normal Slope =	0.020 #/f
PC =	445+43.99
PT =	448+52.17
e <sub>max</sub> =	4.0 %
RS =	200.00
L <sub>1</sub> =	85 ft
TR =	85 ft

Curve PRQUE 4 Superelevation Stationing and Elevations													
Transition Point	BL/PGL E.	Station	SB Super Rate	SB LT EOP	SB LT Gutter Slope	SB RT EOP	SB RT Gutter Slope	NB Super Rate	NB LT EOP	NB LT Gutter Slope	NB RT EOP	NB RT Gutter Slope	
A = Normal	791.36	444+00.00	-2.00%	790.72	-6.00%	-	-	-2.00%	-	-	790.72	-6.00%	
	792.32	444+25.00	-1.41%	791.87	-6.00%	-	-	-2.00%	-	-	791.68	-6.00%	
	793.33	444+50.00	-0.82%	793.06	-6.00%	-	-	-2.00%	-	-	792.69	-6.00%	
	794.35	444+75.00	-0.23%	794.28	-6.00%	-	-	-2.00%	-	-	793.71	-6.00%	
B = Zero	794.76	444+85.00	0.00%	794.76	-6.00%	-	-	-2.00%	-	-	794.12	-6.00%	
	795.38	445+00.00	0.35%	795.49	-6.00%	-	-	-2.00%	-	-	794.74	-6.00%	
	796.40	445+25.00	0.94%	796.70	-6.00%	-	-	-2.00%	-	-	795.76	-6.00%	
	797.18	445+43.99	1.39%	797.62	-6.00%	-	-	-2.00%	-	-	796.54	-6.00%	
PC	797.43	445+50.00	1.53%	INT	-6.00%	-	-	-2.00%	-	-	796.79	-6.00%	
	798.23	445+70.00	2.00%	INT	-6.00%	-	-	-2.00%	-	-	797.59	-6.00%	
	798.42	445+75.00	2.00%	INT	-6.00%	-	-	-2.00%	-	-	797.78	-6.00%	
	799.34	446+00.00	2.00%	INT	-6.00%	-	-	-2.00%	-	-	798.70	-6.00%	
C = Full Super	800.20	446+25.00	2.00%	INT	-6.00%	-	-	-2.00%	-	-	799.56	-6.00%	
	800.98	446+50.00	2.00%	INT	-6.00%	-	-	-2.00%	-	-	800.34	-6.00%	
	801.70	446+75.00	2.00%	INT	-6.00%	-	-	-2.00%	-	-	801.06	-6.00%	
	802.35	447+00.00	2.00%	INT	-6.00%	-	-	-2.00%	-	-	801.71	-6.00%	
	802.94	447+25.00	2.00%	803.29	-6.00%	-	-	-2.00%	-	-	802.30	-6.00%	
	803.45	447+50.00	2.00%	803.84	-6.00%	803.57	6.00%	-2.00%	803.33	-2.00%	802.81	-6.00%	
	803.90	447+75.00	2.00%	804.29	-6.00%	804.02	6.00%	-2.00%	803.78	-2.00%	803.26	-6.00%	
	804.28	448+00.00	2.00%	804.67	-6.00%	804.40	6.00%	-2.00%	804.16	-2.00%	803.64	-6.00%	
	804.59	448+25.00	2.00%	804.98	-6.00%	804.71	6.00%	-2.00%	804.47	-2.00%	803.95	-6.00%	
	D = Full Super	804.64	448+30.00	2.00%	805.03	-6.00%	804.76	6.00%	-2.00%	804.52	-2.00%	804.00	-6.00%
		804.83	448+50.00	1.53%	805.08	-6.00%	804.92	6.00%	-2.00%	804.71	-2.00%	804.19	-6.00%
		804.85	448+52.17	1.48%	805.08	-6.00%	804.93	6.00%	-2.00%	804.73	-2.00%	804.21	-6.00%
805.00		448+75.00	0.94%	805.07	-6.00%	805.06	6.00%	-2.00%	804.88	-2.00%	804.36	-6.00%	
E = Zero	805.11	449+00.00	0.35%	805.00	-6.00%	805.13	6.00%	-2.00%	804.99	-2.00%	804.47	-6.00%	
	805.14	449+15.00	0.00%	804.93	-6.00%	805.14	6.00%	-2.00%	805.02	-2.00%	804.50	-6.00%	
	805.15	449+25.00	-0.24%	804.87	-6.00%	805.13	-0.24%	-2.00%	805.03	-2.00%	804.51	-6.00%	
	805.12	449+50.00	-0.82%	804.68	-6.00%	805.07	-0.82%	-2.00%	805.00	-2.00%	804.48	-6.00%	
F = Normal	805.02	449+75.00	-1.41%	804.43	-6.00%	804.93	-1.41%	-2.00%	804.90	-2.00%	804.38	-6.00%	
	804.85	450+00.00	-2.00%	804.10	-6.00%	804.73	-2.00%	-2.00%	804.73	-2.00%	804.21	-6.00%	



**CURVE PRQUE 4  
CROSS SECTION VIEW**



**CURVE PRQUE 4  
SUPERELEVATION PROFILE VIEW**









Table with 4 columns: DATE, BY, SURVEYED/PLOTTED/TEMPLATE AREAS CHECKED, NO.

Table 21: SCHEDULE OF PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (42400200). Columns: STREET, STATION (FROM, TO), AREA (SQ YD). Rows include Quentin Road and West Cuba Road.

Table 22: SCHEDULE OF DETECTABLE WARNINGS (42400800). Columns: STREET, STATION (FROM, TO), AREA (SQ FT). Rows include Quentin Road, West Cuba Road, and East Cuba Road.

Table 23: SCHEDULE OF REMOVAL ITEMS. Columns: STREET, STATION (FROM, TO), and various removal categories like PAVEMENT REMOVAL, DRIVEWAY REMOVAL, COMBINATION CURB AND GUTTER REMOVAL, etc.

\* INCLUDES REMOVAL OF TEMPORARY PAVEMENT

Table with 4 columns: DATE, BY, SURVEYED/PLOTTED/TEMPLATE AREAS CHECKED, NO.

Table 24: SCHEDULE OF AGGREGATE SHOULDERS. Columns: STREET, STATION (FROM, TO), TYPE B (48101200) (TON), TYPE B 6" (48101500) (SQ YD). Rows include Quentin Road, West Cuba Road, and East Cuba Road.

Table 25: SCHEDULE OF END SECTIONS. Columns: STATION, OFFSET, STRUCTURE #, and various end section types like PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12", etc.

CIVILTECH logo and contact information: Two Pierce Place, Suite 1400, Itasca, Illinois 60143. Tel: 630.773.3900 Fax: 630.773.3975 www.civiltechinc.com

DESIGNED - PK REVISIONS: REVISION 1 (DATE 3/12/2018), REVISION 2, REVISION 3.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SHEET NO. 4 OF 13 SHEETS STA. TO STA.

Table with 5 columns: F.A.U. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values: 2574, 08-00090-12-CH, LAKE, 778, 27. CONTRACT NO. 61E22

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT













27		SCHEDULE OF DRAINAGE STRUCTURES																													
STRUCTURE #	STATION	O/FSET	54244405	56105200	60200105	60200805	60201110	60201340	60205040	60207605	60208240	60218400	60219000	60219540	60221100	60223800	60224446	60224459	60224469	60236200	60237470	60248900	X0325749	X6020096	X6020297	X6022810					
			FL INLT	WATER VALVES	CE TA 4 DIA	CB TA 4 DIA	CB TA 4 DIA	CB TA 4 DIA	CB TA 5 DIA	CB TC	CB TC	MAN TA 4 DIA	MAN TA 4 DIA	MAN TA 4 DIA	MAN TA 4 DIA	MAN TA 4 DIA	MAN TA 5 DIA	MAN TA 6 DIA	MAN TA 7 DIA	MAN TA 8 DIA	MAN TA 9 DIA	INLETS TA	INLETS TA	VV TA 5 DIA	AIR RELEASE	MH TA 6D W/2	MH TA 7D W/2	MAN SAN 4 DIA			
			BX MED	12"	T1FOL	T8G	T11VF&G	T24F&G	T24F&G	T8G	T24F&G	T1FCL	T8G	T24F&G	T1FCL	T1FCL	T1FCL	T1FCL	T1FCL	T1FCL	T1FCL	T1FCL	T8G	T24F&G	T1FCL	VALVE MAN	T1FCL RP	T1FCL RP	T1FCL		
144	468+50	3.0 RT						1																							
145	468+46	4.0 RT																													
147	470+00	5.0 LT																													
148	470+00	3.0 LT																													
149	470+00	3.0 RT																													
150	469+96	3.0 RT																													
152	473+00	3.0 LT																													
153	473+00	3.0 RT																													
154	473+04	3.0 RT																													
155	474+10	3.0 LT																													
156	474+20	3.0 LT																													
157	474+10	3.0 RT																													
158	474+20	3.0 RT																													
159	474+24	3.0 RT																													
160	474+60	4.0 RT																													
161	475+50	3.0 LT																													
162	475+50	3.0 RT																													
169	476+95	5.0 LT																													
170	477+00	3.0 LT																													
171	477+00	3.0 RT																													
172	476+95	3.0 RT																													
174	478+50	3.0 LT																													
175	478+50	3.0 RT																													
176	478+50	4.0 RT																													
178	480+78	3.0 RT																													
179	480+78	3.0 RT																													
180	481+00	4.0 RT																													
182	483+50	5.0 LT																													
183	483+76	3.0 LT																													
184	483+86	3.0 LT																													
185	483+86	3.0 RT																													
186	483+76	3.0 RT																													
187	483+86	4.0 RT																													
188	483+90	7.9 RT																													
189	485+27	4.3 LT																													
190	485+27	4.0 RT																													
192	487+50	3.0 LT																													
193	487+50	3.0 RT																													
194	487+50	4.0 RT																													
196	489+50	3.0 LT																													
197	489+50	3.0 RT																													
198	489+54	4.2 RT																													
201	490+30	3.0 RT																													
202	490+30	5.5 RT																													
204	490+70	5.1 LT																													
207	490+70	3.8 RT																													
208	491+10	3.0 LT																													
209	491+10	3.0 RT																													
210	491+10	4.0 LT																													
211	491+20	3.0 LT																													
212	491+20	3.0 RT																													
213	493+00	4.0 LT																													
214	494+98	3.0 LT																													
215	494+92	3.0 RT																													
216	495+12	3.0 LT																													
217	495+02	3.0 LT																													
218	495+02	3.0 RT																													
219	495+13	3.0 RT																													
220	496+50	3.0 LT																													
221	496+46	3.0 LT																													
222	496+50	3.0 RT																													
224	496+92	3.0 RT																													
225	498+00	3.0 LT																													
226	498+00	3.0 RT																													
227	497+96	3.0 RT																													
228	499+50	3.0 LT																													
229	499+50	3.0 RT																													
230	499+46	3.0 RT																													
231	503+00	3.0 LT																													
232	503+00	3.0 RT																													
233	503+04	3.0 RT																													
234	504+50	3.0 LT																													
235	504+50	3.0 RT																													
236	504+54	3.0 RT																													
239	506+36	3.0 LT																													
240	506+46	3.0 LT																													
241	506+46	3.0 RT																													



DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
		NO.			

30	SCHEDULE OF STRUCTURES TO BE ADJUSTED							
STREET	STATION		60250200	60255500	60265700	60404950	60406100	X6026050
	FROM	TO	CB ADJ	MH ADJ	VALVE VAULTS	FR & GTS T24	FR & LIDS T1 CL	SAN MAN ADJ
Quentin Road	408+10.50	411+00	0	0	0	0	0	0
	411+00	416+00	0	0	0	0	0	0
	416+00	421+00	0	0	0	0	0	0
	421+00	426+00	0	0	0	0	0	0
	426+00	430+50	0	0	0	0	0	0
	430+50	435+00	0	0	0	0	0	0
	435+00	440+00	0	1	0	0	1	0
	440+00	445+00	0	0	0	0	0	1
	445+00	450+00	0	0	0	0	0	0
	450+00	455+00	0	0	0	0	0	0
	455+00	460+00	0	1	1	0	1	0
	460+00	465+00	0	0	0	0	0	0
	465+00	470+00	0	0	0	0	0	0
	470+00	475+50	0	0	0	0	0	0
	475+50	480+00	0	0	0	0	0	3
	480+00	484+00	0	0	0	0	0	1
	484+00	489+50	0	0	0	0	0	2
	489+50	495+00	0	0	0	0	0	2
	495+00	500+00	0	0	0	0	0	0
	500+00	505+00	0	0	0	0	0	0
	505+00	510+50	0	0	0	0	0	0
510+50	515+84.80	4	2	0	4	2	0	
	SUBTOTAL		4	4	1	4	4	9
West Cuba Road	244+05.07	249+00	0	0	0	0	0	0
	SUBTOTAL		0	0	0	0	0	0
East Cuba Road	301+25	304+09	0	0	0	0	0	0
	SUBTOTAL		0	0	0	0	0	0
	PROJECT TOTAL		4	4	1	4	4	9

31	SCHEDULE OF CONCRETE CURB, TYPE B (60600605)		
STREET	STATION		LENGTH (FOOT)
	FROM	TO	
Quentin Road	408+10.50	411+00	0
	411+00	416+00	0
	416+00	421+00	0
	421+00	426+00	0
	426+00	430+50	0
	430+50	435+00	0
	435+00	440+00	0
	440+00	445+00	0
	445+00	450+00	0
	450+00	455+00	0
	455+00	460+00	0
	460+00	465+00	0
	465+00	470+00	0
	470+00	475+50	0
	475+50	480+00	0
	480+00	484+00	0
	484+00	489+50	0
	489+50	495+00	38
	495+00	500+00	0
	500+00	505+00	0
	505+00	510+50	0
510+50	515+84.80	0	
	SUBTOTAL		38
West Cuba Road	244+05.07	249+00	0
	SUBTOTAL		0
East Cuba Road	301+25	304+09	0
	SUBTOTAL		0
	PROJECT TOTAL		38

32	SCHEDULE OF MEDIANS AND COMBINATION CONCRETE CURB & GUTTER				
STREET	STATION		(60603800) COMB CC&G TYPE B-6.12 (FOOT)	(60605000) COMB CC&G TYPE B-6.24 (FOOT)	(60619600) CONC MED TYPE SB-6.12 (FOOT)
	FROM	TO			
Quentin Road	408+10.50	411+00	0	0	0
	411+00	416+00	0	0	0
	416+00	421+00	0	755	0
	421+00	426+00	0	1,077	0
	426+00	430+50	0	918	0
	430+50	435+00	0	1,013	0
	435+00	440+00	0	1,000	0
	440+00	445+00	0	1,000	0
	445+00	450+00	561	1,036	167
	450+00	455+00	212	1,000	69
	455+00	460+00	748	1,011	69
	460+00	465+00	605	1,051	69
	465+00	470+00	278	1,000	69
	470+00	475+50	1,100	1,100	0
	475+50	480+00	900	900	0
	480+00	484+00	45	800	69
	484+00	489+50	562	1,110	138
	489+50	495+00	16	1,113	0
	495+00	500+00	405	1,002	69
	500+00	505+00	1,000	1,000	0
	505+00	510+50	1,101	1,100	0
510+50	515+84.80	60	232	0	
	SUBTOTAL		7,593	19,218	719
West Cuba Road	244+05.07	249+00	0	595	0
	SUBTOTAL		0	595	0
East Cuba Road	301+25	304+09	0	252	0
	SUBTOTAL		0	252	0
	PROJECT TOTAL		7,593	20,065	719

33	SCHEDULE OF PERMANENT PAVEMENT MARKINGS								
STREET	STATION		THERMOPLASTIC					PAINT	
			(78000100) LETTERS AND SYMBOLS (SQ FT)	(78000200) LINE 4" (FOOT)	(78000300) LINE 5" (FOOT)	(78000400) LINE 6" (FOOT)	(78000600) LINE 12" (FOOT)	(78000650) LINE 24" (FOOT)	(X7800100) RAISED MEDIAN (SQ FT)
Quentin Road	408+11	441+00	354	7,676	4,658	1,064	722	15	0
	441+00	453+50	312	4,544	3,569	723	576	118	315
	453+50	466+00	380	2,428	3,154	1,048	757	131	233
	466+00	490+00	109	4,225	4,800	256	449	24	466
	490+00	515+85	146	3,099	4,195	430	385	40	165
		PROJECT TOTAL		1,300	21,971	20,376	3,521	2,889	328

35	SCHEDULE OF PAVEMENT MARKING REMOVAL - WATER BLASTING (X0327980)		
STREET	STATION		AREA (SQ FT)
	FROM	TO	
Quentin Road	408+11	441+00	4,860
	441+00	453+50	4,106
	453+50	466+00	3,006
	466+00	490+00	4,258
	490+00	515+85	2,943
	PROJECT TOTAL		19,173

37	SCHEDULE OF TEMPORARY PAVEMENT MARKING						
STREET	STATION		LETTERS AND SYMBOLS (70300210) (SQ FT)	LINE 4" (70300220) (FOOT)	LINE 6" (70300240) (FOOT)	LINE 12" (70300260) (FOOT)	LINE 24" (70300280) (FOOT)
	FROM	TO					
Quentin Road	408+11	441+00	218	23,801	1,940	1,697	0
	441+00	453+50	291	20,158	1,076	1,167	165
	453+50	466+00	364	16,102	1,673	1,114	180
	466+00	490+00	73	21,689	723	1,171	24
	490+00	515+85	146	20,906	1,158	952	16
	PROJECT TOTAL		1,092	102,657	6,569	6,101	385

34	SCHEDULE OF GROOVING FOR RECESSED PAVEMENT MARKINGS							
STREET	STATION		(X7830060) LETTERS AND SYMBOLS (SQ FT)	(X7830070) LINE 5" (FOOT)	(X7830072) LINE 6" (FOOT)	(X7830074) LINE 7" (FOOT)	(X7830078) LINE 13" (FOOT)	(X7830090) LINE 25" (FOOT)
	FROM	TO						
Quentin Road	408+11	441+00	354	7,676	4,658	1,064	722	15
	441+00	453+50	312	4,544	3,569	723	576	118
	453+50	466+00	380	2,428	3,154	1,048	757	131
	466+00	490+00	109	4,225	4,800	256	449	24
	490+00	515+85	146	3,099	4,195	430	385	40
	PROJECT TOTAL		1,300	21,971	20,376	3,521	2,889	328

36	SCHEDULE OF RECESSED REFLECTIVE PAVEMENT MARKERS (X7810300)		
STREET	STATION		TOTAL (EACH)
	FROM	TO	
Quentin Road	408+11	441+00	122
	441+00	453+50	56
	453+50	466+00	51
	466+00	490+00	118
	490+00	515+85	102
	PROJECT TOTAL		449

38	SCHEDULE OF PAVEMENT MARKING TAPE					
STREET	STATION		(70107006) BLACKOUT TAPE, 6" (FOOT)	(70107007) BLACKOUT TAPE, 7" (FOOT)	(70107016) BLACKOUT TAPE, 16" (FOOT)	(70300520) TYPE III 4" (FOOT)
	FROM	TO				
Quentin Road	408+11	441+00	0	0	0	1,153
	441+00	453+50	185	74	14	0
	453+50	466+00	923	0	81	2,499
	466+00	490+00	0	0	0	0
	490+00	515+85	117	0	0	1,360
	PROJECT TOTAL		1,224	74	95	5,012

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
		NO.			

STREET	SCHEDULE OF TEMPORARY CONCRETE BARRIER					
	STATION		(70400100) TEMPORARY CONCRETE BARRIER	(70600240) IMP ATTN TEMP NRD TL2	(78200011) BARR WALL REF TYPE C	(X7040125) PIN TEMP CONC BARRIER
	FROM	TO	(FOOT)	(FOOT)	(FOOT)	(EACH)
Quentin Road	408+11	441+00	761	6	33	183
	441+00	453+50	318	1	14	77
	453+50	466+00	625	1	26	150
	466+00	490+00	1,150	6	49	276
	490+00	515+85	445	2	9	107
	PROJECT TOTAL		3,299	16	131	793

STREET	SCHEDULE OF SIGNS							
	STATION		(72000100) SIGN PANEL - TYPE 1	(72400100) REMOVE SIGN PANEL ASSEMBLY - TYPE A	(72400200) REMOVE SIGN PANEL ASSEMBLY - TYPE B	(72400500) RELOCATE SIGN PANEL ASSEMBLY - TYPE A	(72400600) RELOCATE SIGN PANEL ASSEMBLY - TYPE B	(72800100) TELESCOPING STEEL SIGN SUPPORT
	FROM	TO	(SQ FT)	(EACH)	(EACH)	(EACH)	(EACH)	(FOOT)
Quentin Road	408+11	441+00	0	6	2	15	0	217
	441+00	453+50	10	0	0	10	0	198
	453+50	466+00	16	0	0	9	3	215
	466+00	490+00	20	1	0	13	0	290
	490+00	515+85	5	3	0	13	1	244
		PROJECT TOTAL		51	10	2	60	4

STREET	SCHEDULE OF TEMPORARY INFORMATION SIGNING (Z0030850)			
	STATION		AREA	
	FROM	TO	(SQ FT)	
Quentin Road	408+10.50	411+00	36	
	411+00	416+00	10	
	416+00	421+00	30	
	421+00	426+00	10	
	426+00	430+50	0	
	430+50	435+00	10	
	435+00	440+00	10	
	440+00	445+00	30	
	445+00	450+00	0	
	450+00	455+00	0	
	455+00	460+00	0	
	460+00	465+00	0	
	465+00	470+00	0	
	470+00	475+50	0	
	475+50	480+00	10	
	480+00	484+00	0	
	484+00	489+50	0	
	489+50	495+00	0	
	495+00	500+00	0	
	500+00	505+00	0	
	505+00	510+50	20	
	510+50	515+84.80	26	
		SUBTOTAL		191
	West Cuba Road	244+05.07	249+00	30
	SUBTOTAL		30	
East Cuba Road	301+25	304+09	0	
	SUBTOTAL		0	
	PROJECT TOTAL		222	

STREET	SCHEDULE OF TEMPORARY ACCESS						
	STATION		(X4021000) PRIVATE ENTRANCE	(X4022000) COMMERCIAL ENTRANCE	(X4023000) ROAD	(X4024100) WINTERIZE	
	FROM	TO	(EACH)	(EACH)	(EACH)	(SQ YD)	
Quentin Road	408+10.50	411+00	1	0	0	0	
	411+00	416+00	1	0	0	0	
	416+00	421+00	3	0	1	11	
	421+00	426+00	1	0	1	19	
	426+00	430+50	0	0	1	6	
	430+50	435+00	0	1	1	29	
	435+00	440+00	1	0	0	17	
	440+00	445+00	2	2	0	26	
	445+00	450+00	0	0	0	13	
	450+00	455+00	0	0	0	0	
	455+00	460+00	0	0	1	16	
	460+00	465+00	0	0	0	11	
	465+00	470+00	0	0	0	0	
	470+00	475+50	0	0	0	5	
	475+50	480+00	0	1	0	0	
	480+00	484+00	0	1	0	0	
	484+00	489+50	0	0	1	16	
	489+50	495+00	0	0	2	31	
	495+00	500+00	0	0	0	0	
	500+00	505+00	0	0	0	0	
	505+00	510+50	1	1	0	8	
	510+50	515+84.80	1	0	0	0	
		SUBTOTAL		11	6	8	207
	West Cuba Road	244+05.07	249+00	0	0	0	0
	SUBTOTAL		0	0	0	0	
East Cuba Road	301+25	304+09	0	0	0	0	
	SUBTOTAL		0	0	0	0	
	PROJECT TOTAL		11	6	8	207	

STREET	SCHEDULE OF MODULAR CONCRETE PAVERS (SPECIAL) (XX005845)		
	STATION		AREA
	FROM	TO	(SQ FT)
Quentin Road	408+10.50	411+00	0
	411+00	416+00	0
	416+00	421+00	0
	421+00	426+00	0
	426+00	430+50	0
	430+50	435+00	0
	435+00	440+00	0
	440+00	445+00	0
	445+00	450+00	0
	450+00	455+00	0
	455+00	460+00	0
	460+00	465+00	0
	465+00	470+00	0
	470+00	475+50	0
	475+50	480+00	0
	480+00	484+00	948
	484+00	489+50	0
	489+50	495+00	0
	495+00	500+00	0
	500+00	505+00	0
505+00	510+50	0	
510+50	515+84.80	0	
	SUBTOTAL		948
West Cuba Road	244+05.07	249+00	0
	SUBTOTAL		0
East Cuba Road	301+25	304+09	0
	SUBTOTAL		0
	PROJECT TOTAL		948

STREET	SCHEDULE OF SURVEY MONUMENTS (Z0070200)		
	STATION		TOTAL
	FROM	TO	(EACH)
Quentin Road	408+10.50	411+00	1
	411+00	416+00	1
	416+00	421+00	0
	421+00	426+00	2
	426+00	430+50	1
	430+50	435+00	1
	435+00	440+00	3
	440+00	445+00	2
	445+00	450+00	5
	450+00	455+00	2
	455+00	460+00	0
	460+00	465+00	0
	465+00	470+00	0
	470+00	475+50	0
	475+50	480+00	0
	480+00	484+00	0
	484+00	489+50	0
	489+50	495+00	2
	495+00	500+00	1
	500+00	505+00	0
	505+00	510+50	0
	510+50	515+84.80	1
	SUBTOTAL		22
West Cuba Road	244+05.07	249+00	0
	SUBTOTAL		0
East Cuba Road	301+25	304+09	2
	SUBTOTAL		2
	PROJECT TOTAL		24

STREET	SCHEDULE OF FENCE ITEMS		
	STATION		(66400105) CHAIN LINK FENCE, 4' (SPECIAL)
	FROM	TO	(FOOT)
Quentin Road	408+11	417+00	0
	417+00	429+00	0
	429+00	441+00	0
	441+00	453+50	0
	453+50	466+00	0
	466+00	478+00	0
	478+00	490+00	45
	490+00	503+00	0
	503+00	515+85	0
	PROJECT TOTAL		45

STREET	SCHEDULE OF DRY RUBBLE STONE OR BROKEN CONCRETE TREE WELLS (Z0019400)		
	STATION		VOLUME
	FROM	TO	(CU YD)
Quentin Road	408+11	417+00	0
	417+00	429+00	4
	429+00	441+00	0
	441+00	453+50	0
	453+50	466+00	0
	466+00	478+00	0
	478+00	490+00	0
	490+00	503+00	0
	503+00	515+85	0
	PROJECT TOTAL		4

STREET	SCHEDULE OF TEMPORARY PAVEMENT (Z0062456)		
	STATION		AREA
	FROM	TO	(SQ YD)
Quentin Road	408+11	441+00	3,777
	441+00	453+50	2,090
	453+50	466+00	1,202
	466+00	490+00	2,080
	490+00	515+85	3,522
		PROJECT TOTAL	

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	NOTE BOOK	AREAS CHECKED
NO.						

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	NOTE BOOK	AREAS CHECKED
NO.						



Two Pierce Place, Suite 1400  
Itasca, Illinois 60143  
Tel: 630.773.3900 Fax: 630.773.3975  
www.civiltechinc.com

DESIGNED - PK  
DRAWN - JRR  
CHECKED - RTM  
DATE - 11/13/2017

REVISED -  
REVISED -  
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

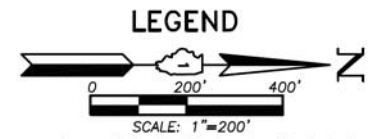
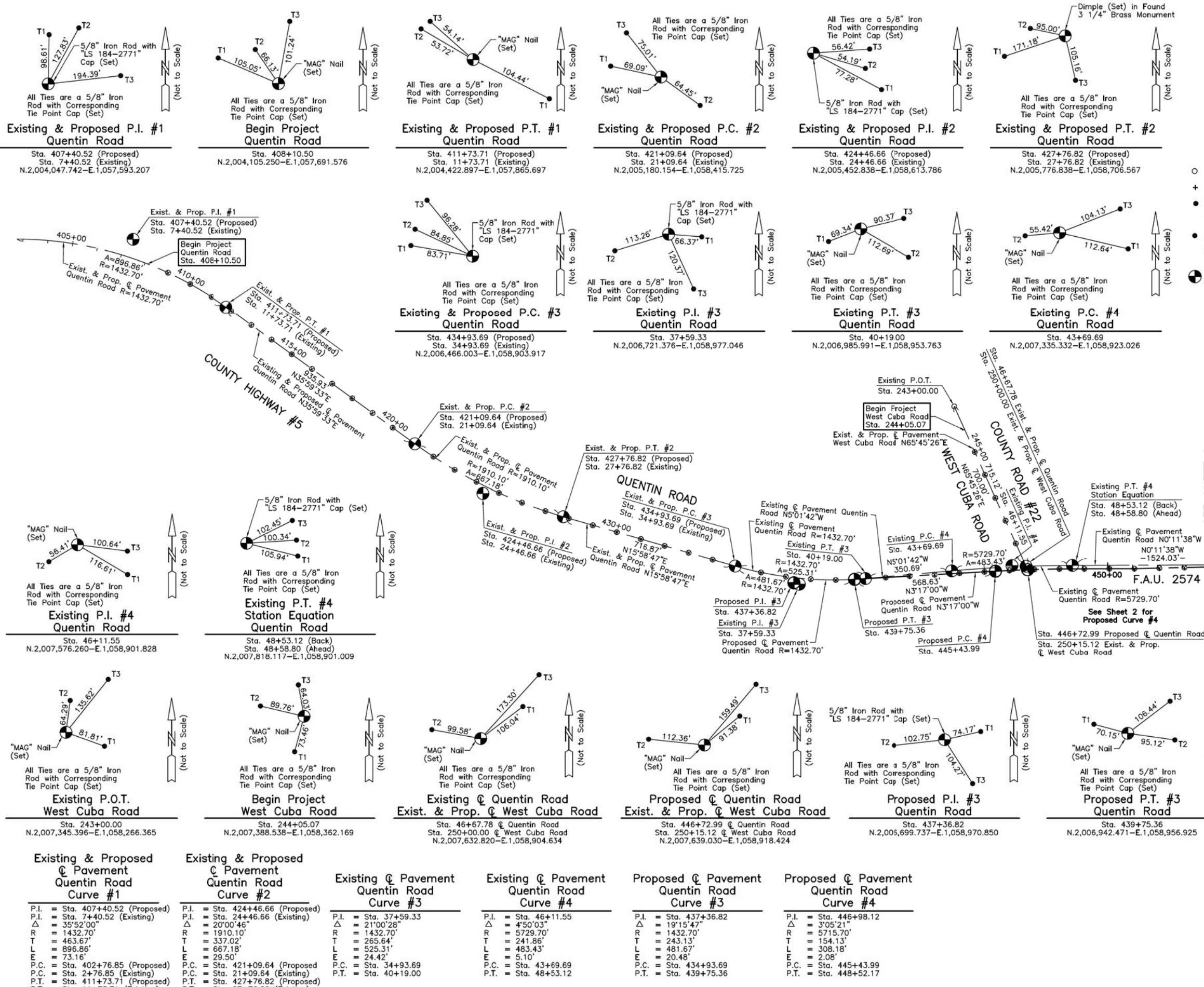
SCHEDULE OF QUANTITIES

SHEET NO. 13 OF 13 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	36
				CONTRACT NO. 61E22
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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



Bearings are referenced to the Illinois Coordinate System NAD 83 (1997) East Zone at Found Geodetic Survey Control Monuments "Lake Zurich", P.I.D. AJ3081 and "VBG 3A", P.I.D. AJ3080. Coordinates are based on the Published Metric Coordinate Values at Found Geodetic Survey Control Monument "Lake Zurich", P.I.D. AJ3081, of N.613,539.945-E.320,649.905.

Note: Surface Coordinates are Shown, Project Average Combined Scale Factor of 0.999948025 at N.2,003,356.048-E.1,058,199.604

○ IRON PIPE OR ROD FOUND      ⊕ "MAG" NAIL SET  
 + CUT CROSS FOUND OR SET      ● 5/8" REBAR SET  
 ● T1  
 ● T2  
 ● T3  
 ● BT1  
 ● BT2  
 ● BT3  
 ● PERMANENT SURVEY MARKER, I.D.O.T. STD 667101-02 (TO BE SET BY OTHERS)

SEE SHEET 2

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

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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 11/13/2017	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

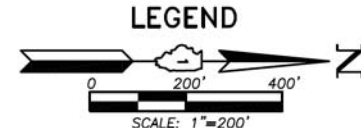
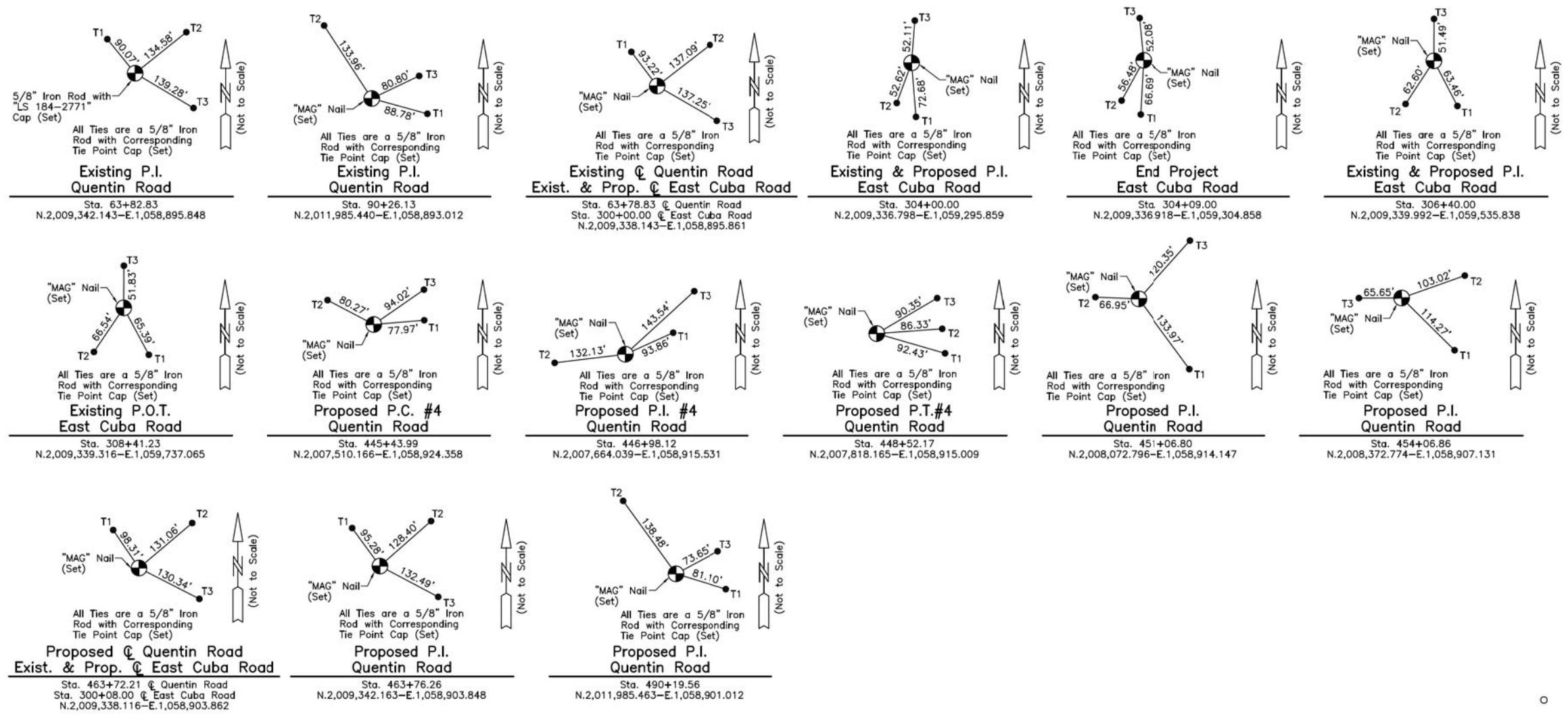
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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE - 11/13/2017	REVISED -

ALIGNMENT AND TIES	
SHEET NO. 1 OF 3 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	37
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

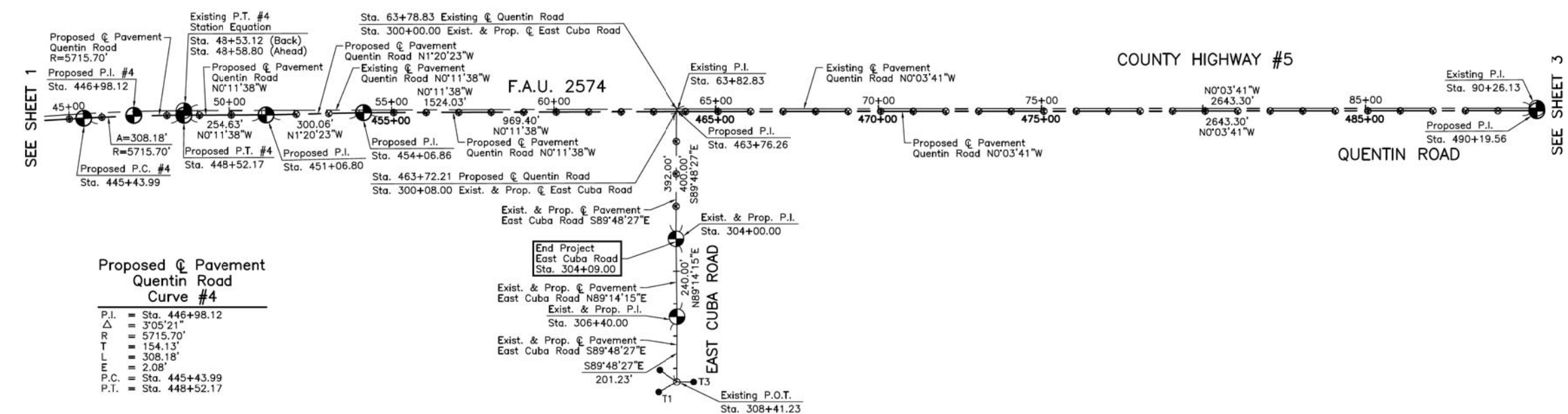
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BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



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Note: Surface Coordinates are Shown, Project Average Combined Scale Factor of 0.999948025 at N.2,003,356.048-E.1,058,199.604

- 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
- PERMANENT SURVEY MARKER, I.D.O.T. STD 667101-02 (TO BE SET BY OTHERS)



**Proposed Pavement Quentin Road Curve #4**

P.I. = Sta. 446+98.12  
 Δ = 3°05'21"  
 R = 5715.70'  
 T = 154.13'  
 L = 308.18'  
 E = 2.08'  
 P.C. = Sta. 445+43.99  
 P.T. = Sta. 448+52.17

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DATE - 11/13/2017	REVISED -

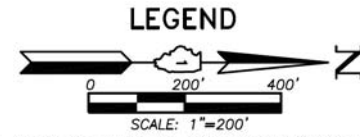
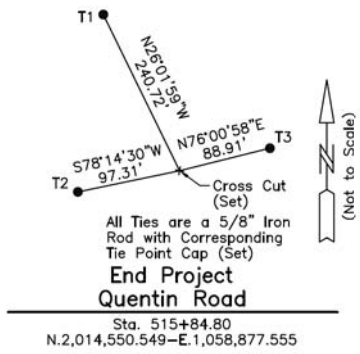
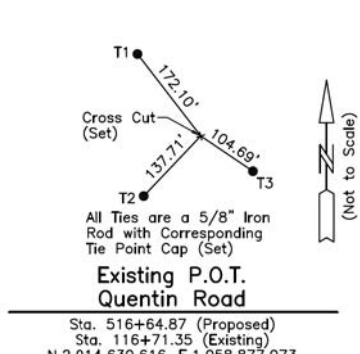
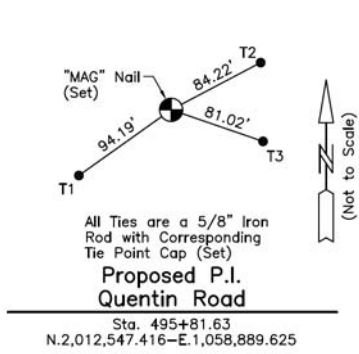
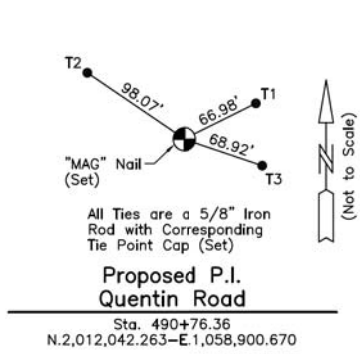
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>ALIGNMENT AND TIES</b>	
SHEET NO. 2 OF 3 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	38
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

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

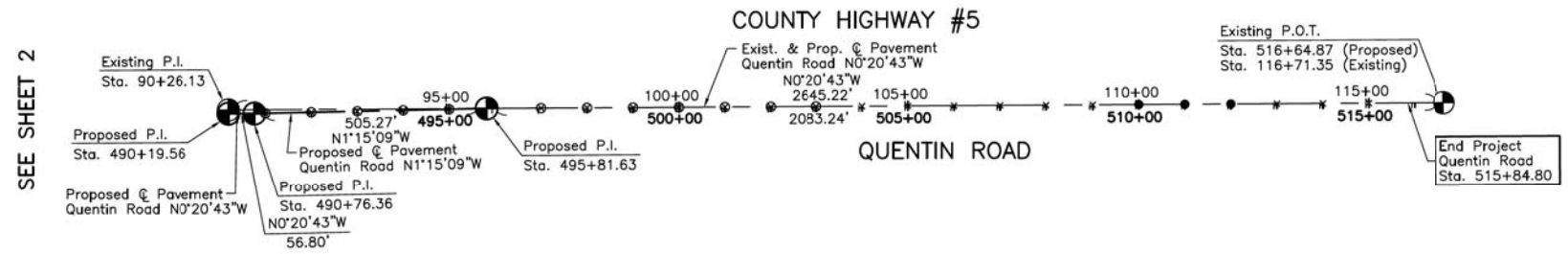
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BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



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Note: Surface Coordinates are Shown, Project Average Combined Scale Factor of 0.999948025 at N.2,003,356.048—E.1,058,199.604

- 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
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STD 667101-02 (TO BE SET BY OTHERS)



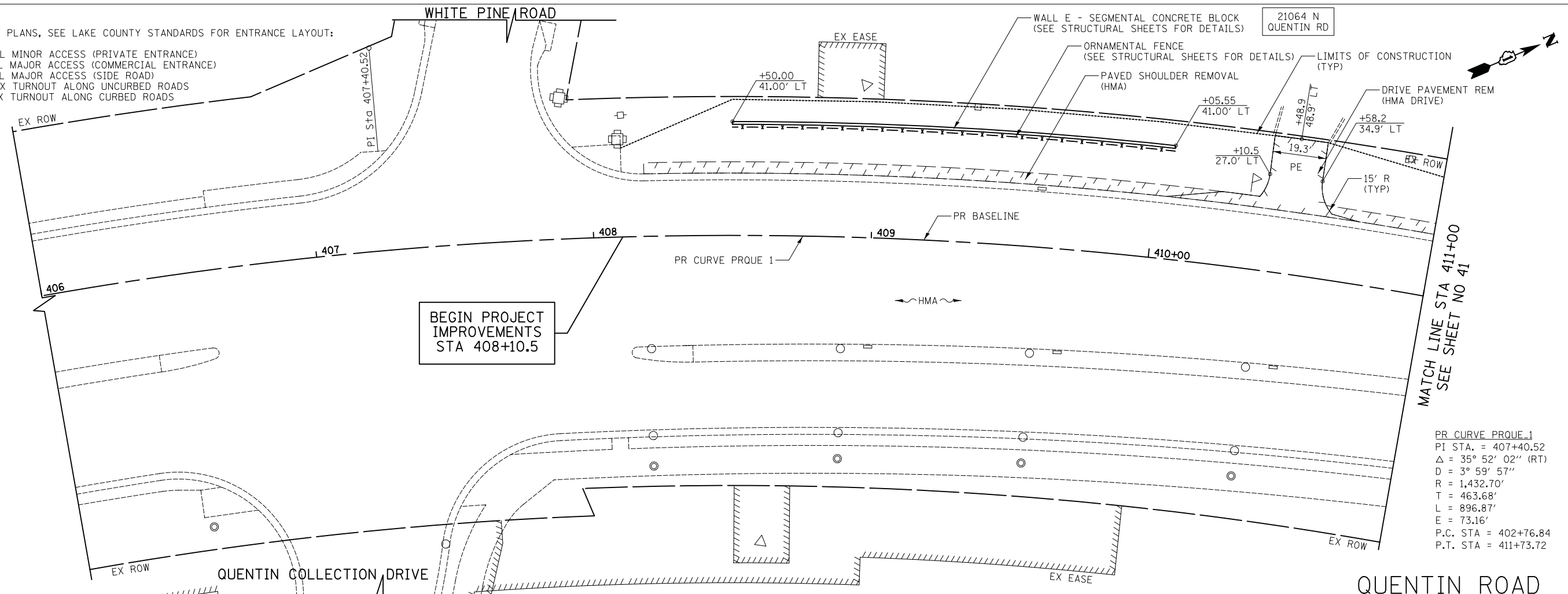
SEE SHEET 2

NOTE:  
IF NOT NOTATED ON PLANS, SEE LAKE COUNTY STANDARDS FOR ENTRANCE LAYOUT:

- LC4100 TYPICAL MINOR ACCESS (PRIVATE ENTRANCE)
- LC4101 TYPICAL MAJOR ACCESS (COMMERCIAL ENTRANCE)
- LC4102 TYPICAL MAJOR ACCESS (SIDE ROAD)
- LC4120 MAILBOX TURNOUT ALONG UNCURBED ROADS
- LC4121 MAILBOX TURNOUT ALONG CURBED ROADS

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



PR CURVE PROUE 1  
 PI STA. = 407+40.52  
 $\Delta = 35^\circ 52' 02''$  (RT)  
 $D = 3^\circ 59' 57''$   
 $R = 1,432.70'$   
 $T = 463.68'$   
 $L = 896.87'$   
 $E = 73.16'$   
 P.C. STA = 402+76.84  
 P.T. STA = 411+73.72



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CHECKED - RTM	REVISED -
DATE - 11/13/2017	REVISED -

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



**PLAN AND PROFILE**

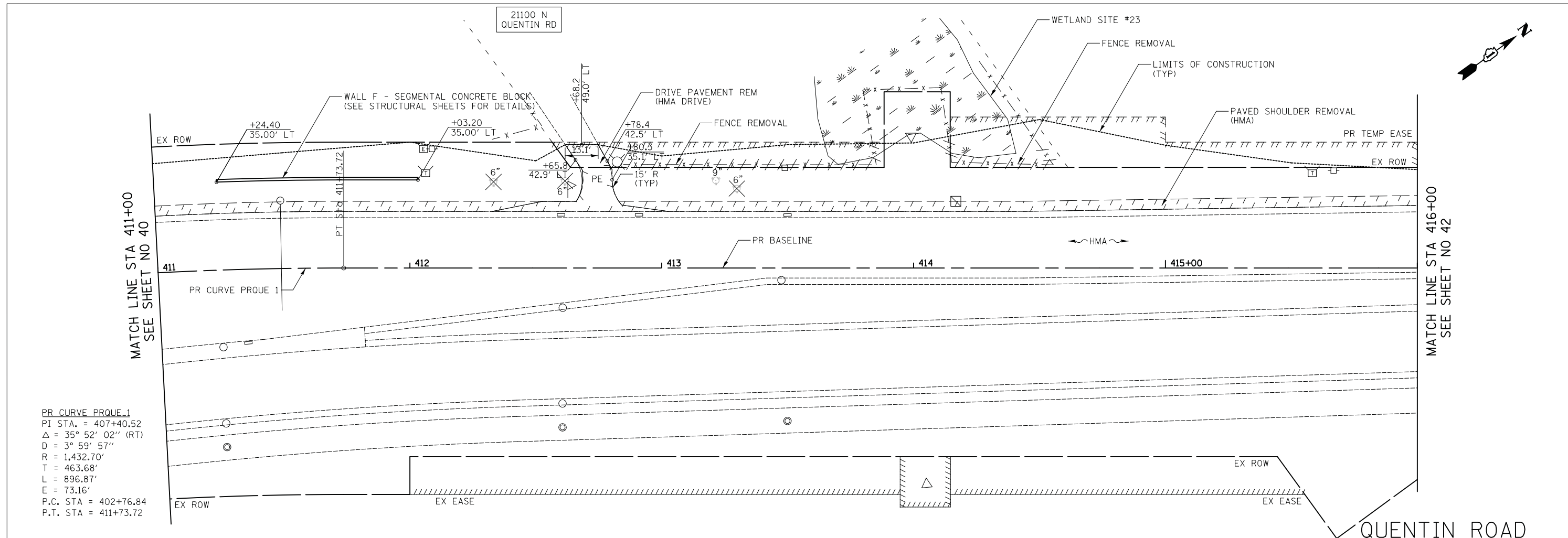
SHEET NO. 1 OF 24 SHEETS STA. 406+00 TO STA. 411+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	40
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E22	

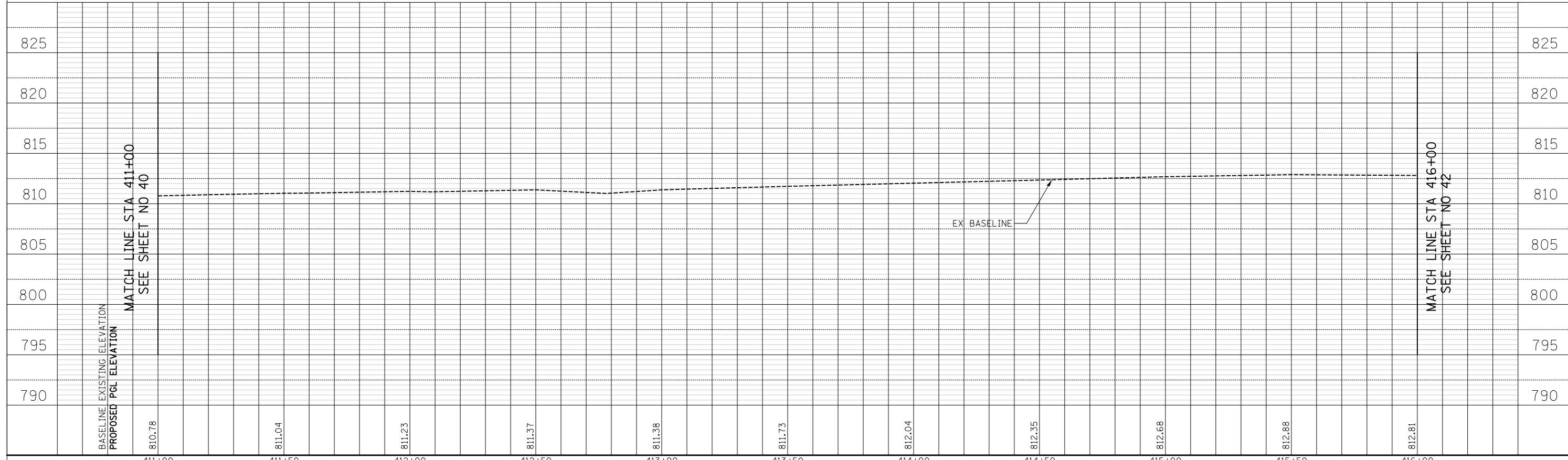


DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS	
CHECKED	
NO.	



PR CURVE PROUE 1  
 PI STA. = 407+40.52  
 $\Delta = 35^\circ 52' 02''$  (RT)  
 $D = 3^\circ 59' 57''$   
 $R = 1,432.70'$   
 $T = 463.68'$   
 $L = 896.87'$   
 $E = 73.16'$   
 P.C. STA = 402+76.84  
 P.T. STA = 411+73.72



810.78	811.04	811.23	811.37	811.38	811.73	812.04	812.35	812.68	812.88	812.81
411+00	411+50	412+00	412+50	413+00	413+50	414+00	414+50	415+00	415+50	416+00

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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 11/13/2017	REVISED -

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



**PLAN AND PROFILE**

SHEET NO. 2 OF 24 SHEETS STA. 411+00 TO STA. 416+00

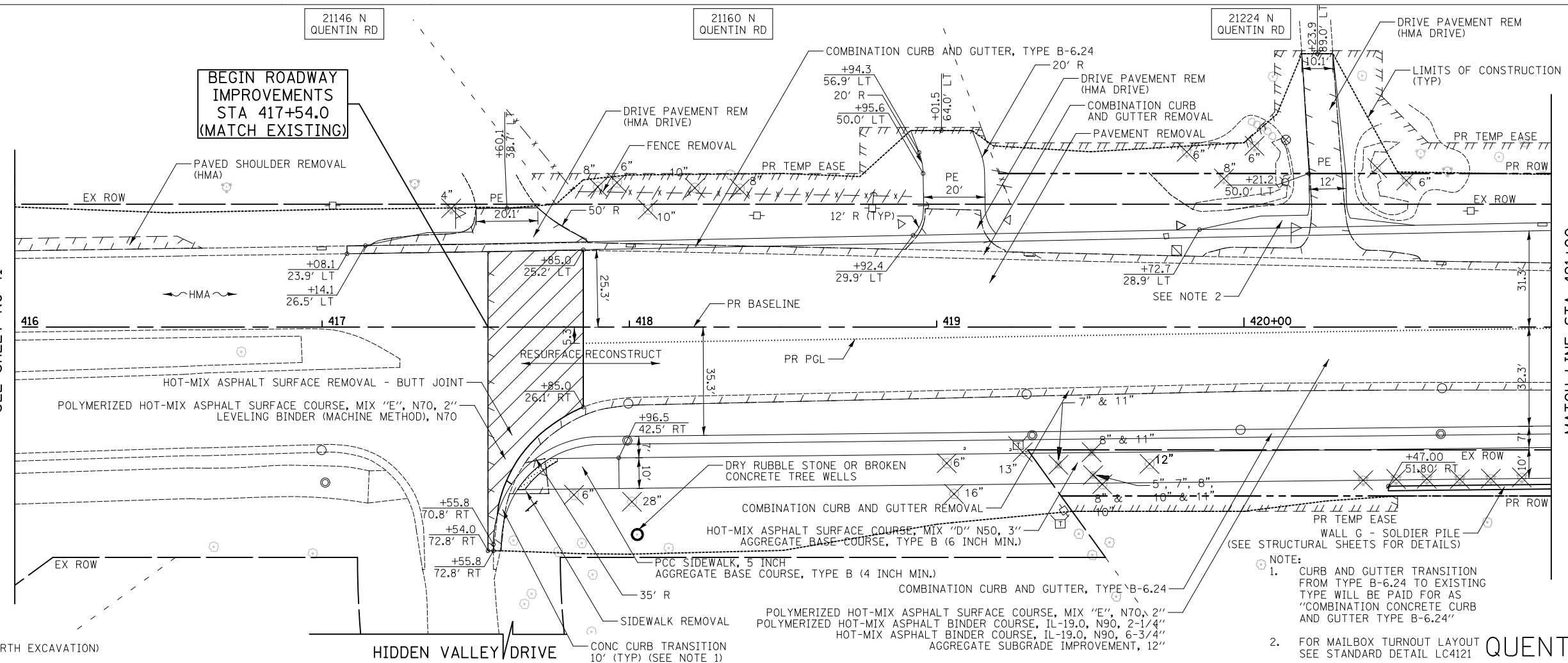
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	41
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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

MATCH LINE STA 416+00  
SEE SHEET NO 41

MATCH LINE STA 421+00  
SEE SHEET NO 43



- LEGEND**
- DETECTABLE WARNING
  - TREE REMOVAL & SIZE
  - SHRUB REMOVAL (PAID FOR AS EARTH EXCAVATION)

- NOTE:**
1. CURB AND GUTTER TRANSITION FROM TYPE B-6.24 TO EXISTING TYPE WILL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24"
  2. FOR MAILBOX TURNOUT LAYOUT SEE STANDARD DETAIL LC4121

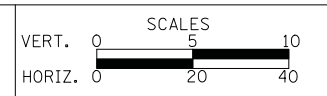


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DATE - 11/13/2017

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



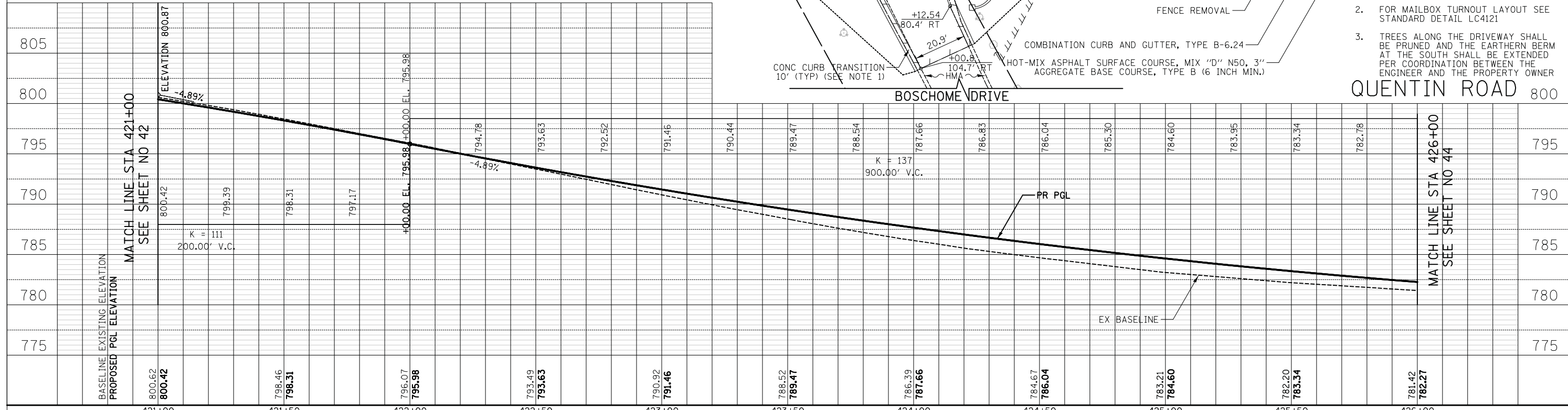
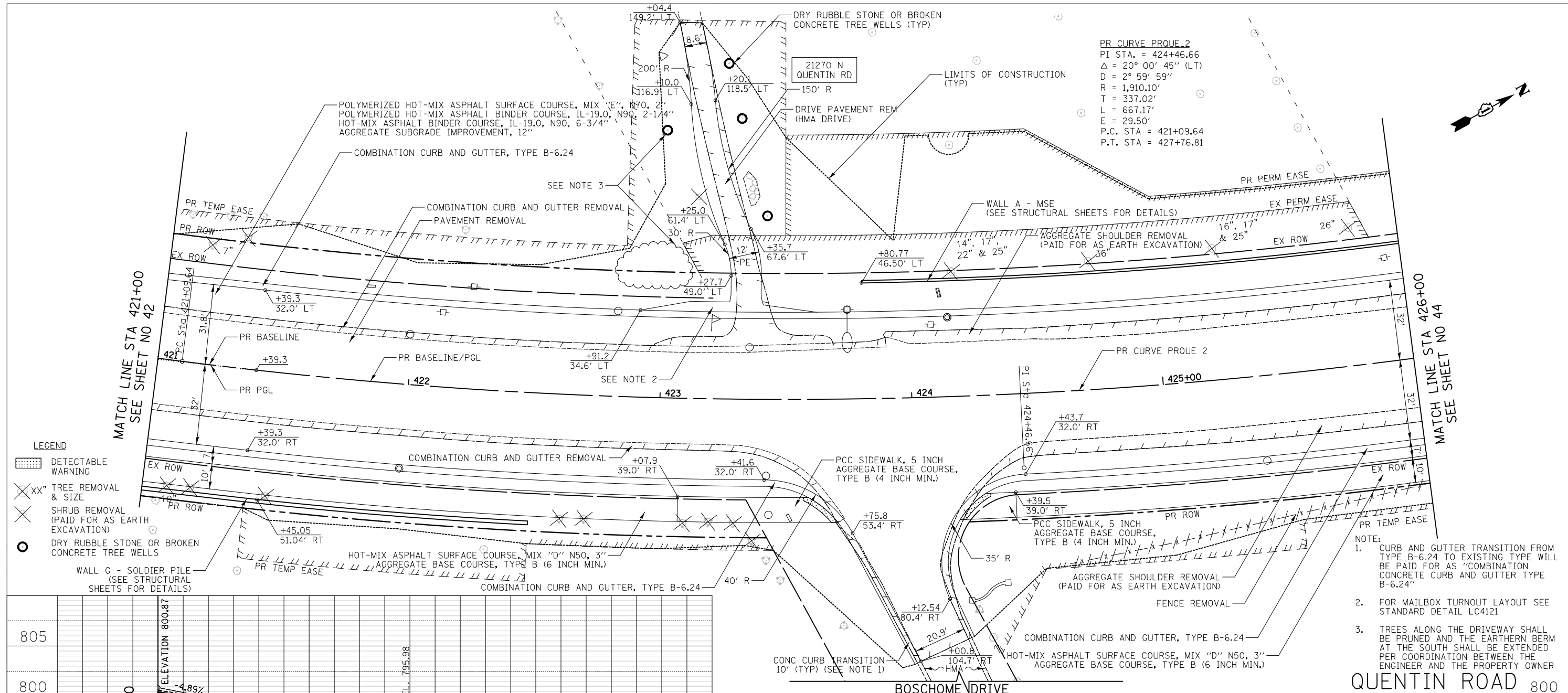
**PLAN AND PROFILE**

SHEET NO. 3 OF 24 SHEETS STA. 416+00 TO STA. 421+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	42
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

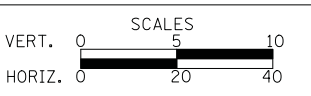
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 11/13/2017	REVISED -

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



**PLAN AND PROFILE**  
 SHEET NO. 4 OF 24 SHEETS STA. 421+00 TO STA. 426+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	43
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PR CURVE PROUE 2  
 PI STA. = 424+46.66  
 $\Delta = 20^\circ 00' 45''$  (LT)  
 $D = 2^\circ 59' 59''$   
 $R = 1,910.10'$   
 $T = 337.02'$   
 $L = 667.17'$   
 $E = 29.50'$   
 P.C. STA = 421+09.64  
 P.T. STA = 427+76.81



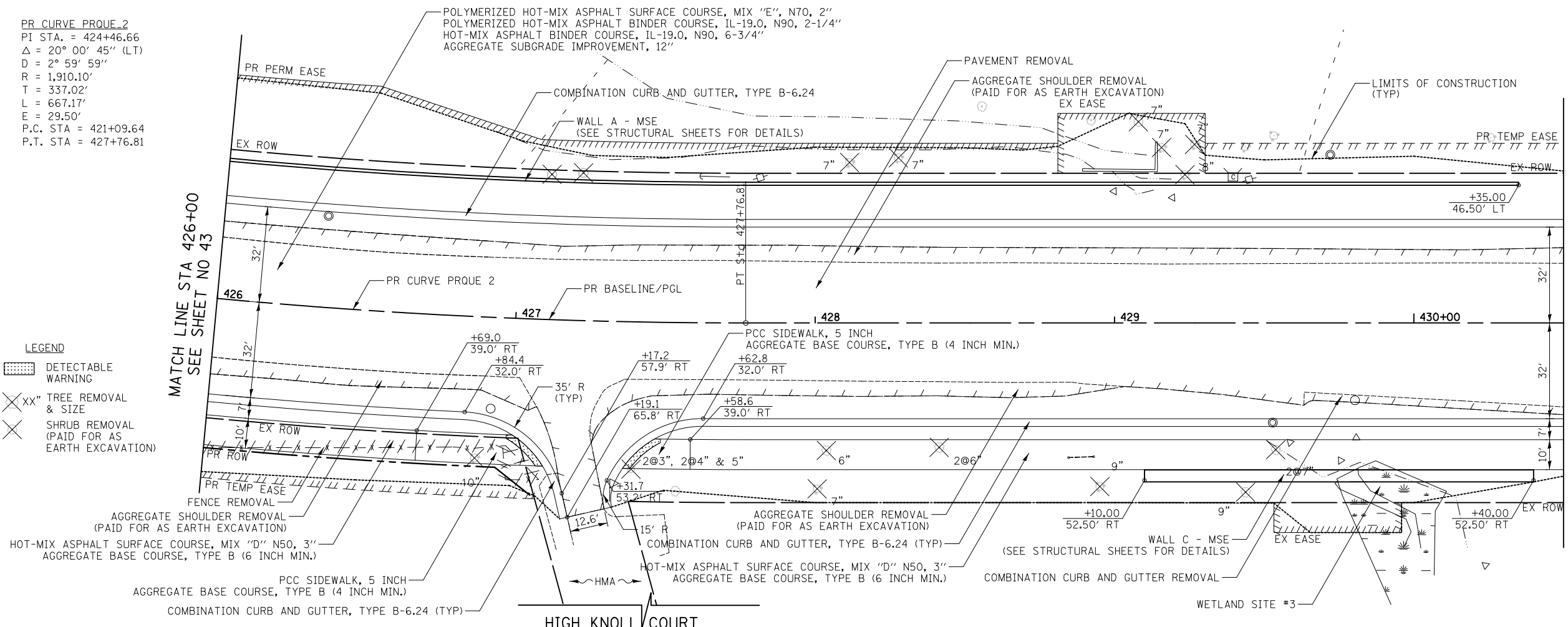
DATE	
BY	
FINAL SURVEY	
NO. SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

**LEGEND**

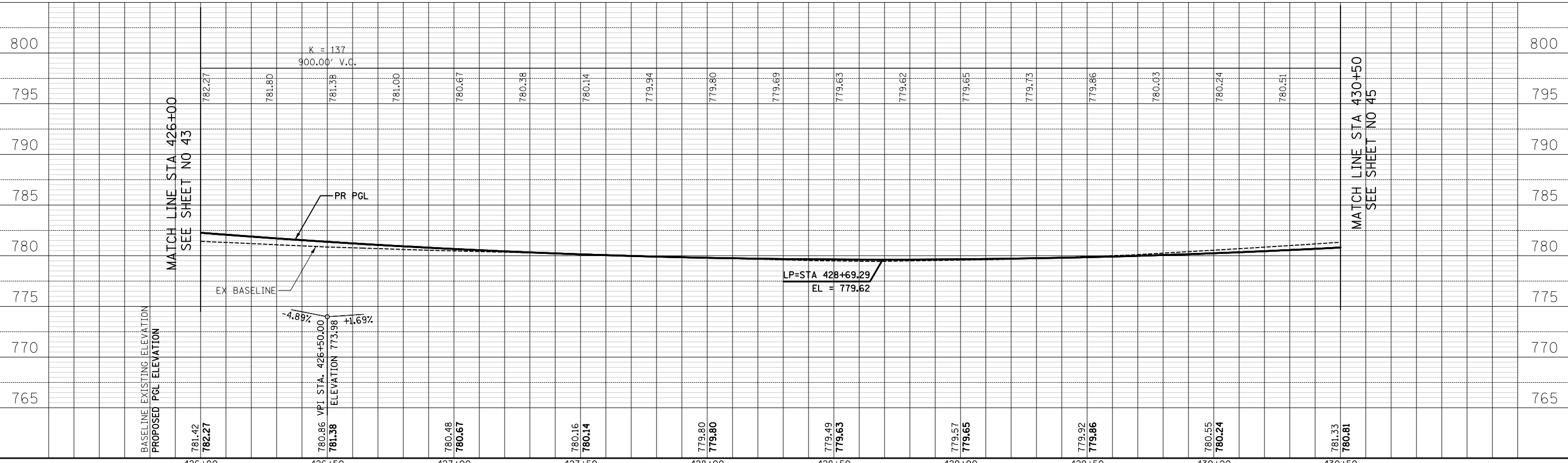
- DETECTABLE WARNING
- TREE REMOVAL & SIZE
- SHRUB REMOVAL (PAID FOR AS EARTH EXCAVATION)

MATCH LINE STA 426+00  
 SEE SHEET NO 43

MATCH LINE STA 430+50  
 SEE SHEET NO 45



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



MATCH LINE STA 430+50  
 SEE SHEET NO 45

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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



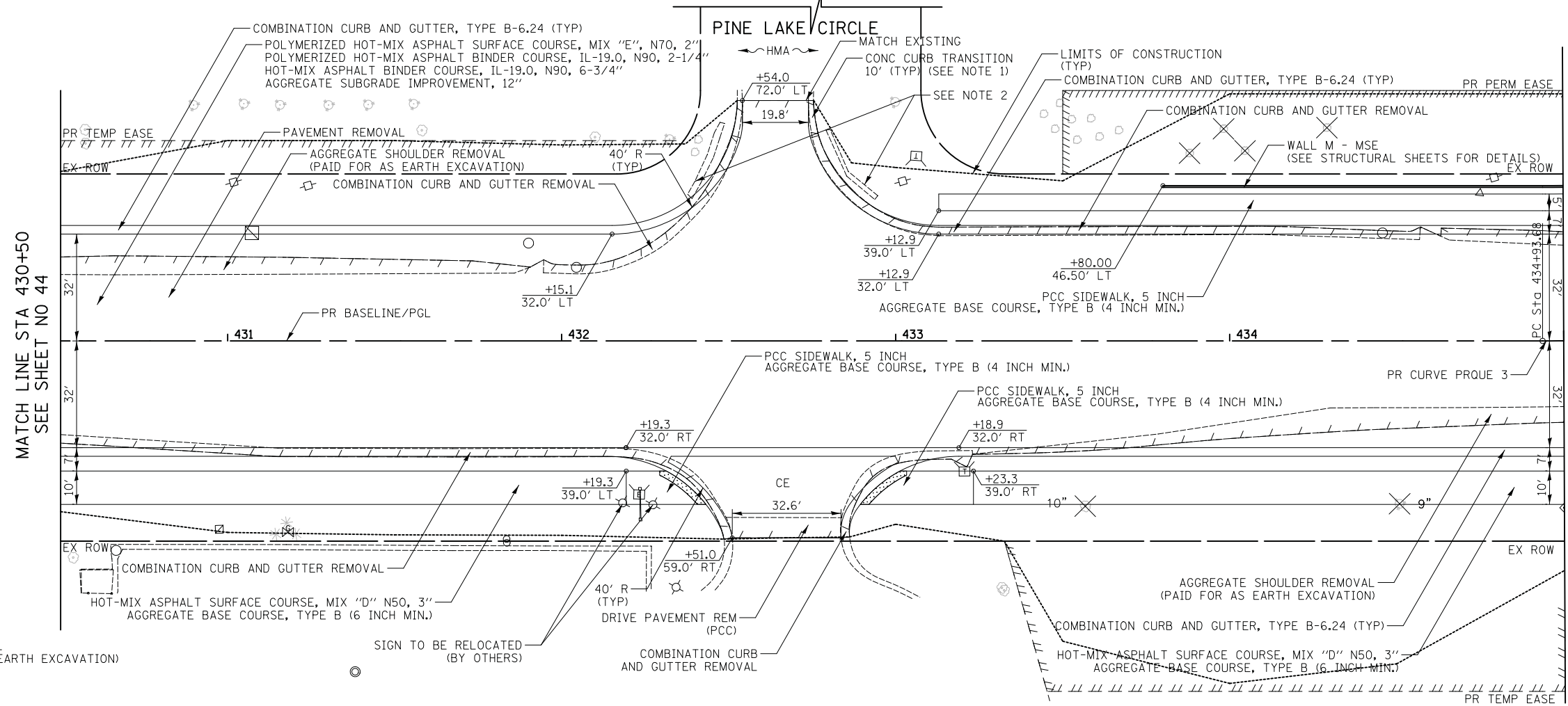
**PLAN AND PROFILE**

SHEET NO. 5 OF 24 SHEETS STA. 426+00 TO STA. 430+50

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	44
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

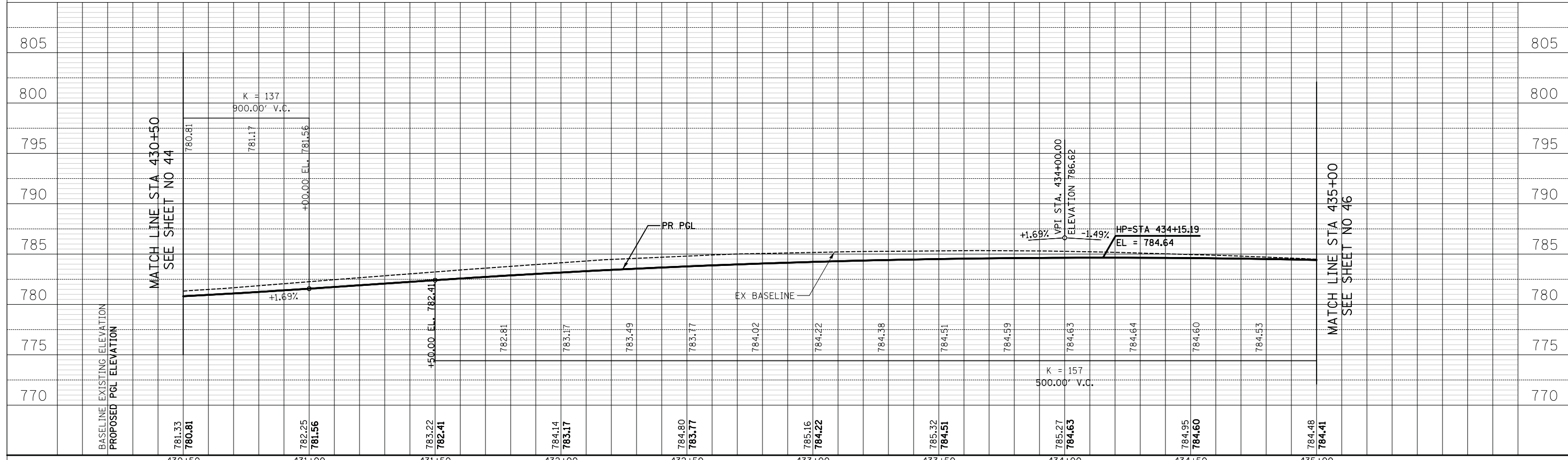


PR CURVE PROUE 3  
 PI STA. = 437+36.82  
 $\Delta = 19^\circ 15' 47''$  (LT)  
 $D = 3^\circ 59' 57''$   
 $R = 1,432.70'$   
 $T = 243.14'$   
 $L = 481.68'$   
 $E = 20.48'$   
 P.C. STA = 434+93.68  
 P.T. STA = 439+75.37

- NOTE:
- CURB AND GUTTER TRANSITION FROM TYPE B-6.24 TO EXISTING TYPE WILL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24"
  - ORNAMENTAL LANDSCAPE STONE TREATMENT SHALL BE SALVAGED, SET ASIDE, AND RECONSTRUCTED AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION" AND "FURNISHED EXCAVATION"

- LEGEND
- DETECTABLE WARNING
  - XX" TREE REMOVAL & SIZE
  - SHRUB REMOVAL (PAID FOR AS EARTH EXCAVATION)

QUENTIN ROAD



BASELINE EXISTING ELEVATION	781.33	782.25	783.22	784.14	784.80	785.16	785.32	785.27	784.95	784.48
PROPOSED PGL ELEVATION	780.81	781.56	782.41	783.17	783.77	784.22	784.51	784.63	784.60	784.41
	430+50	431+00	431+50	432+00	432+50	433+00	433+50	434+00	434+50	435+00

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DATE - 3/12/2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION



PLAN AND PROFILE

SHEET NO. 6 OF 24 SHEETS STA. 430+50 TO STA. 435+00

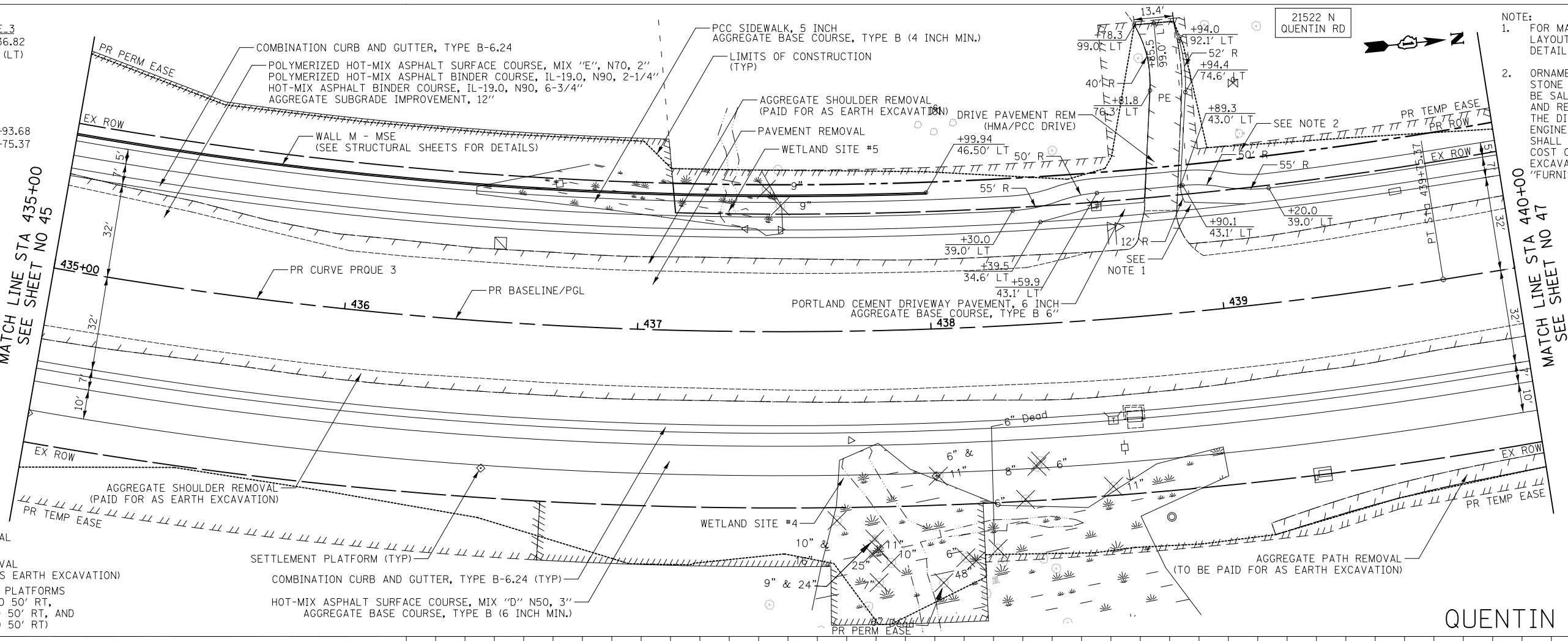
F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	45
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PR CURVE PROUE 3  
 PI STA. = 437+36.82  
 $\Delta = 19^\circ 15' 47''$  (LT)  
 $D = 3^\circ 59' 57''$   
 $R = 1,432.70'$   
 $T = 243.14'$   
 $L = 481.68'$   
 $E = 20.48'$   
 P.C. STA = 434+93.68  
 P.T. STA = 439+75.37

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

MATCH LINE STA 435+00  
 SEE SHEET NO 45

NOTE:  
 1. FOR MAILBOX TURNOUT LAYOUT SEE STANDARD DETAIL LC4121  
 2. ORNAMENTAL LANDSCAPE STONE TREATMENT SHALL BE SALVAGED, SET ASIDE, AND RECONSTRUCTED AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION" AND "FURNISHED EXCAVATION"



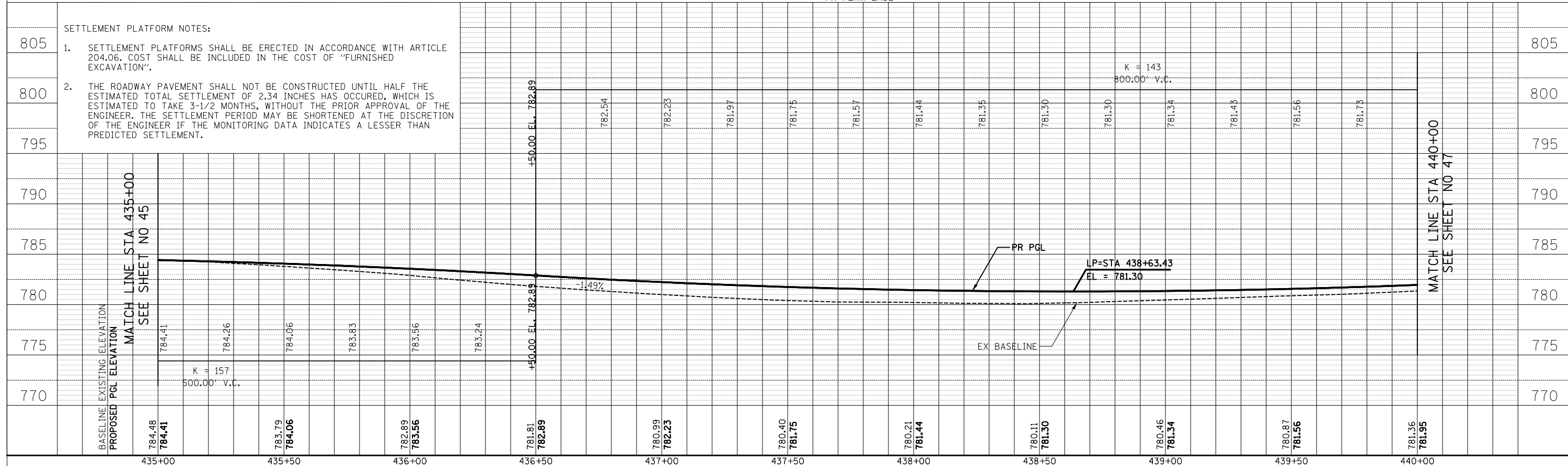
LEGEND

- XX" TREE REMOVAL & SIZE
- SHRUB REMOVAL (PAID FOR AS EARTH EXCAVATION)
- SETTLEMENT PLATFORMS (STA. 435+00 50' RT, STA. 436+50 50' RT, AND STA. 438+00 50' RT)

QUENTIN ROAD

SETTLEMENT PLATFORM NOTES:  
 1. SETTLEMENT PLATFORMS SHALL BE ERRECTED IN ACCORDANCE WITH ARTICLE 204.06. COST SHALL BE INCLUDED IN THE COST OF "FURNISHED EXCAVATION".  
 2. THE ROADWAY PAVEMENT SHALL NOT BE CONSTRUCTED UNTIL HALF THE ESTIMATED TOTAL SETTLEMENT OF 2.34 INCHES HAS OCCURED, WHICH IS ESTIMATED TO TAKE 3-1/2 MONTHS, WITHOUT THE PRIOR APPROVAL OF THE ENGINEER. THE SETTLEMENT PERIOD MAY BE SHORTENED AT THE DISCRETION OF THE ENGINEER IF THE MONITORING DATA INDICATES A LESSER THAN PREDICTED SETTLEMENT.

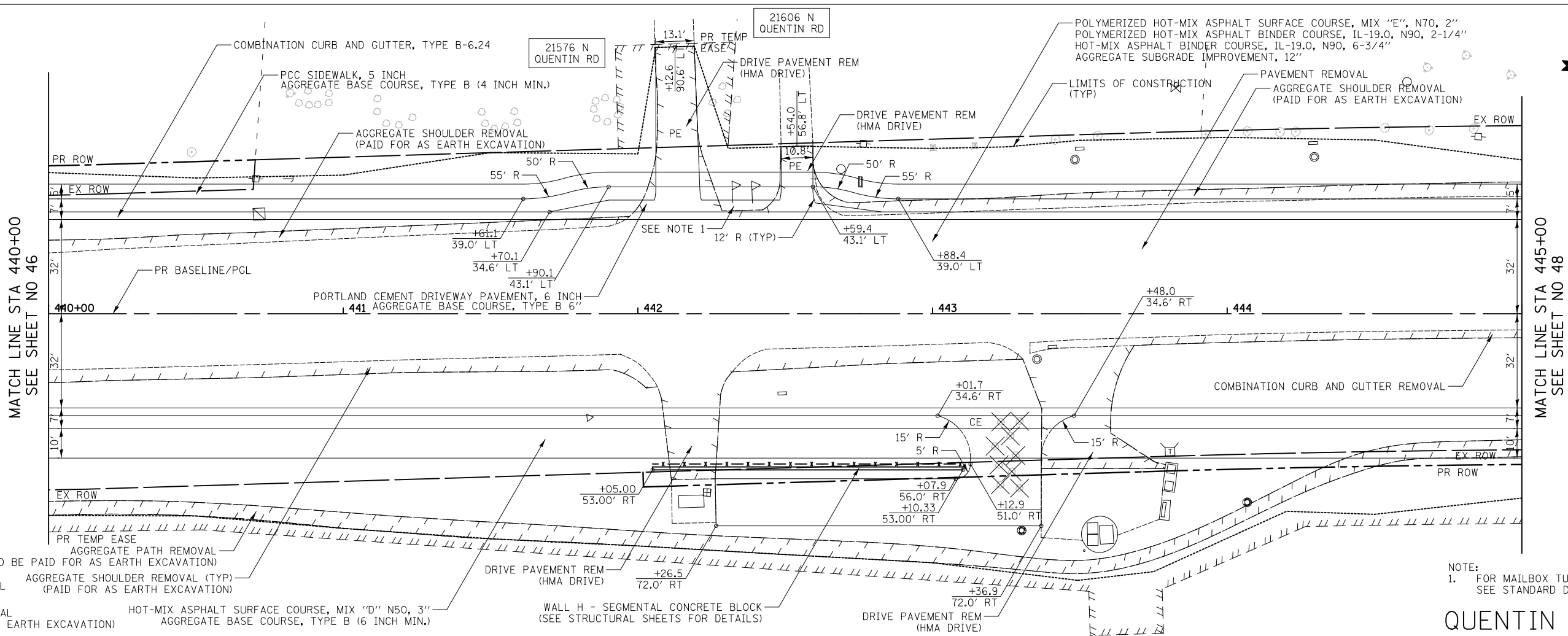
DATE	
BY	
NO.	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



MATCH LINE STA 440+00  
 SEE SHEET NO 47

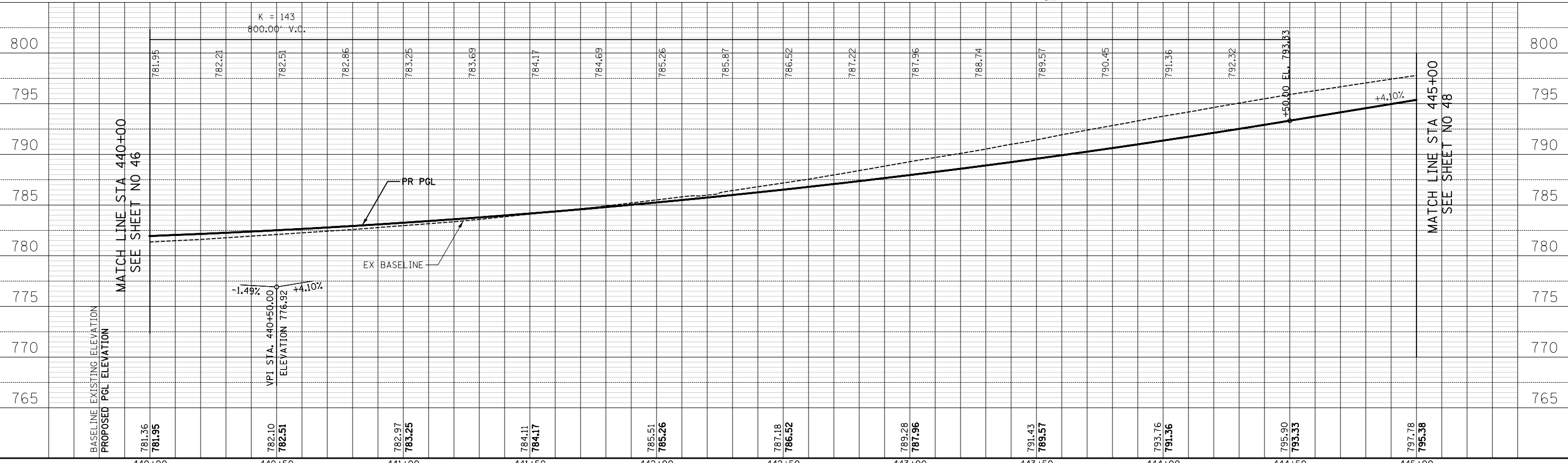
DATE	
BY	
NO.	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

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



**LEGEND**  
 XX" TREE REMOVAL & SIZE  
 SHRUB REMOVAL (PAID FOR AS EARTH EXCAVATION)  
 AGGREGATE PATH REMOVAL (TO BE PAID FOR AS EARTH EXCAVATION)  
 AGGREGATE SHOULDER REMOVAL (TYP) (PAID FOR AS EARTH EXCAVATION)  
 HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50, 3"  
 AGGREGATE BASE COURSE, TYPE B (6 INCH MIN.)  
 DRIVE PAVEMENT REM (HMA DRIVE)  
 WALL H - SEGMENTAL CONCRETE BLOCK (SEE STRUCTURAL SHEETS FOR DETAILS)  
 DRIVE PAVEMENT REM (HMA DRIVE)

**NOTE:**  
 1. FOR MAILBOX TURNOUT LAYOUT SEE STANDARD DETAIL LC4121



DESIGNED - PK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	F.A.U. RTE. 2574 SECTION 08-00090-12-CH COUNTY LAKE TOTAL SHEETS 778 SHEET NO. 47 CONTRACT NO. 61E22 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
DRAWN - JRR	REVISED -		
CHECKED - RTM	REVISED -		
DATE - 3/12/2018	REVISED -		

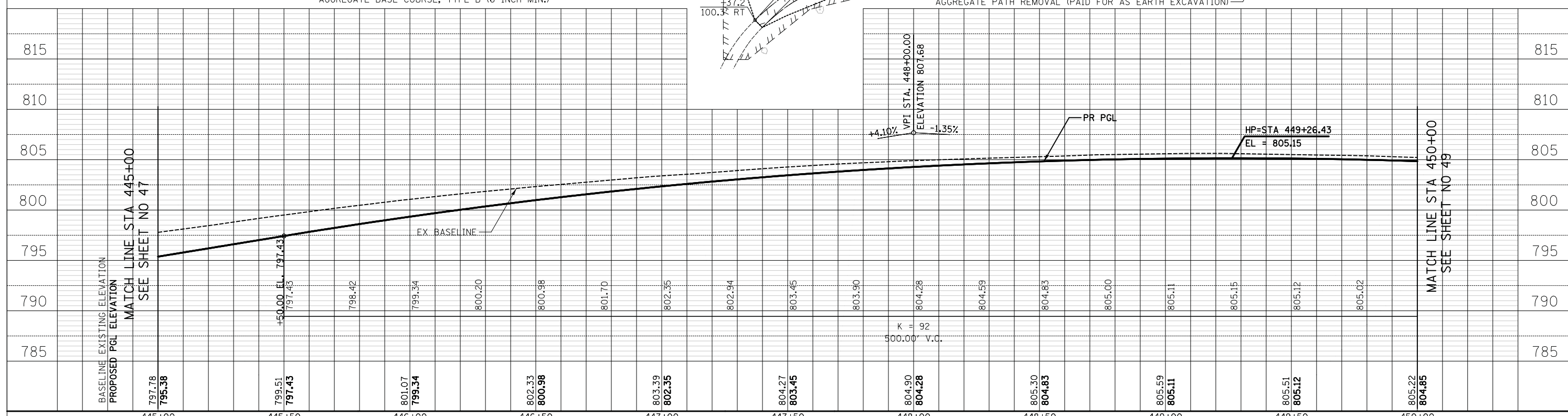
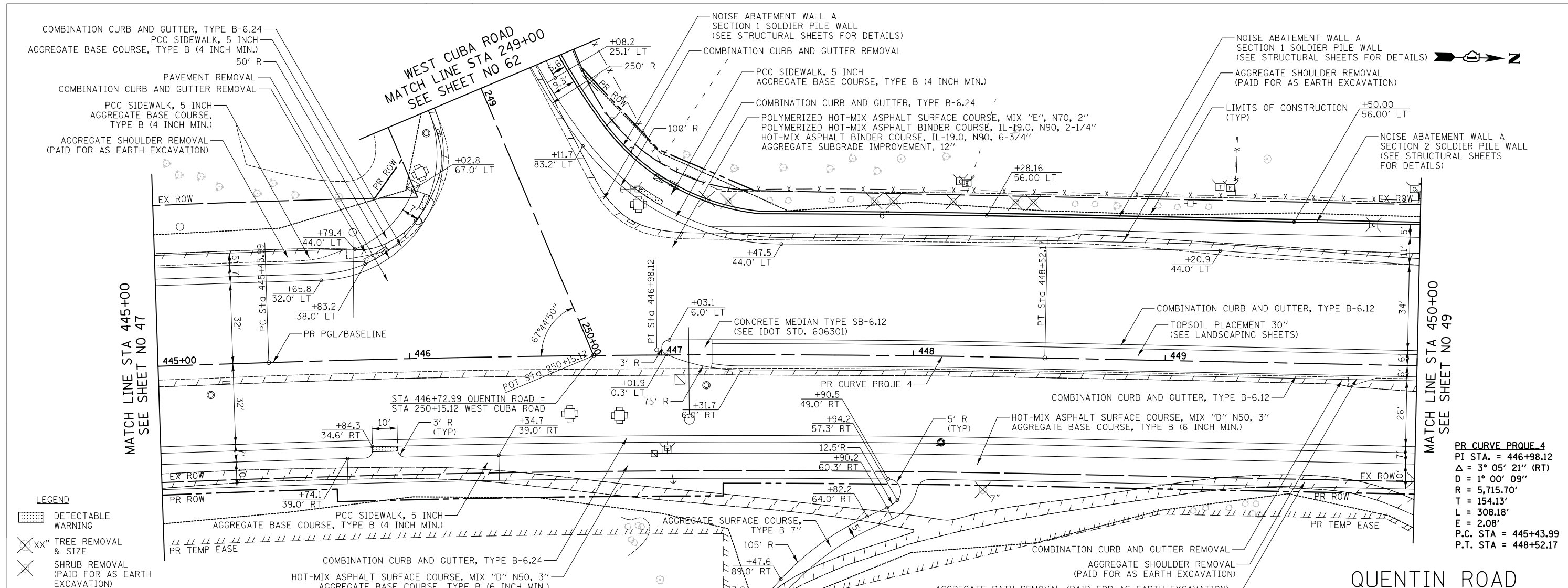
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**PLAN AND PROFILE**  
 SHEET NO. 8 OF 24 SHEETS  
 STA. 440+00 TO STA. 445+00

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

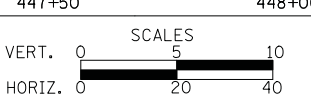
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 3/12/2018	REVISED -

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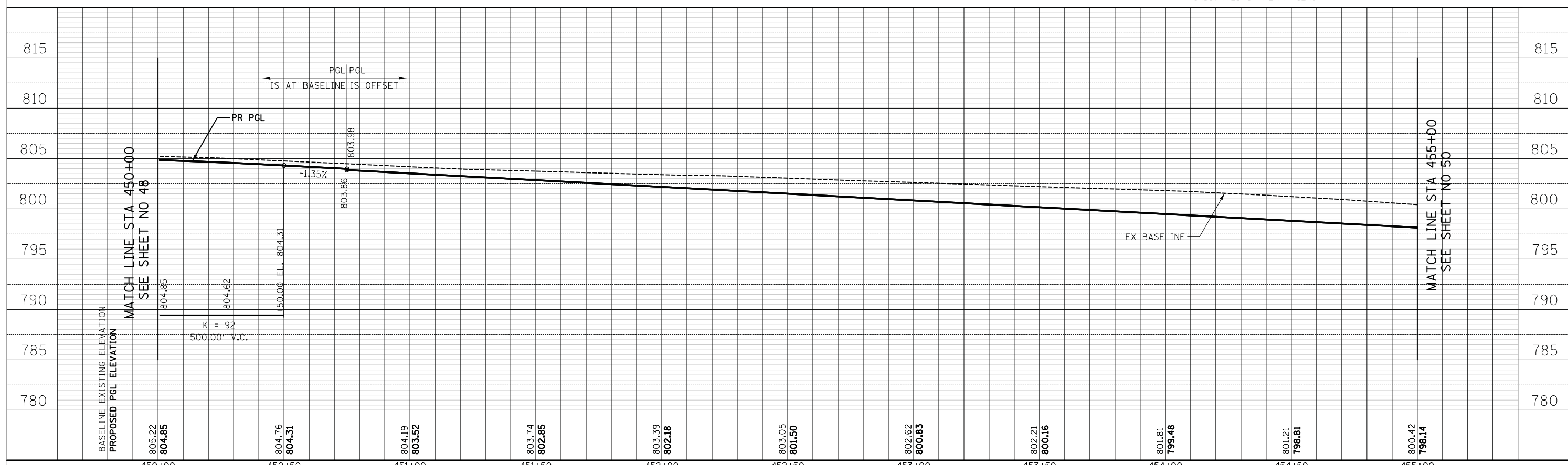
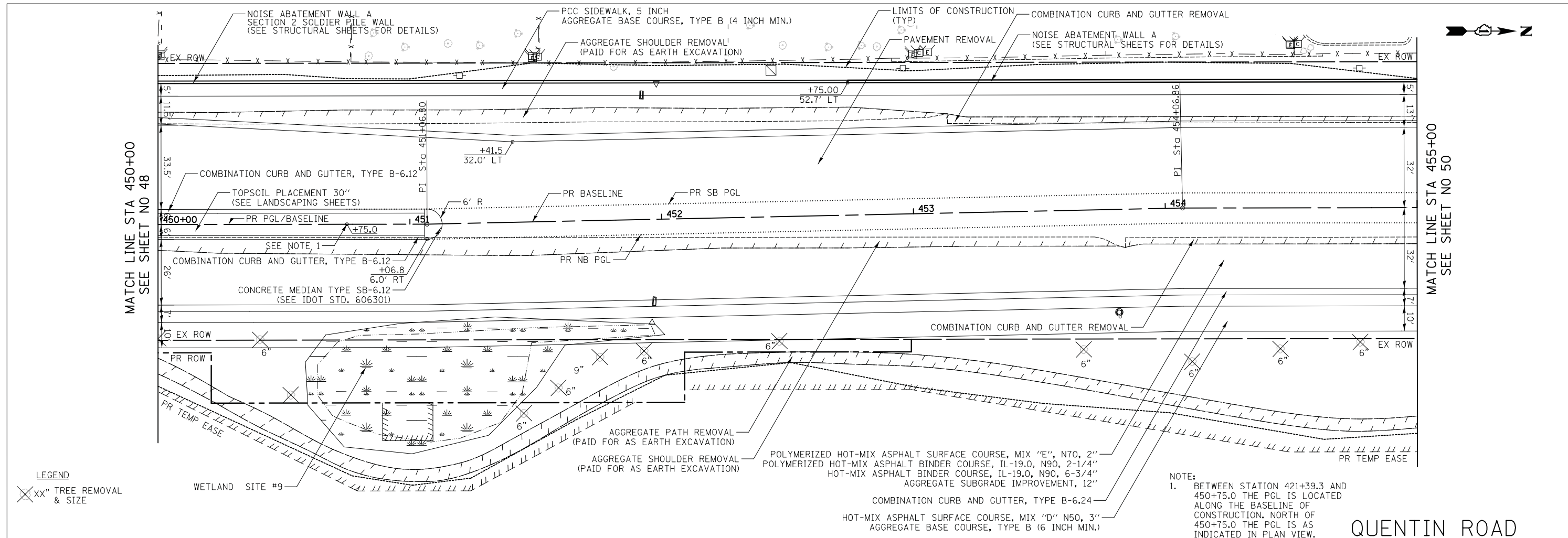
PLAN AND PROFILE  
SHEET NO. 9 OF 24 SHEETS STA. 445+00 TO STA. 450+00

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	48
CONTRACT NO. 61E22			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT	



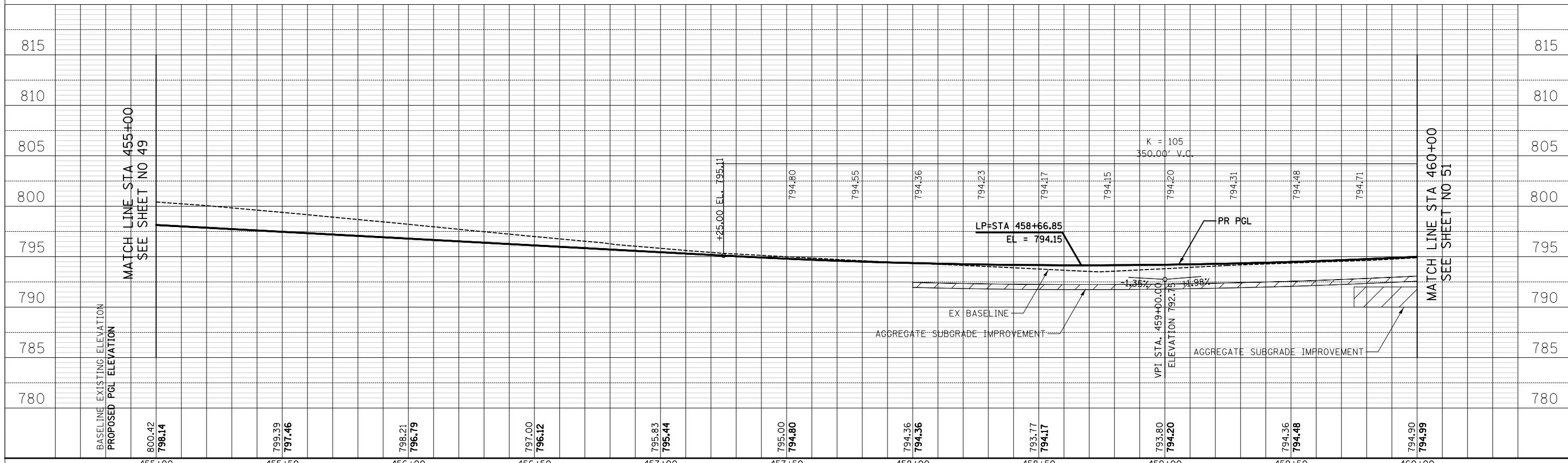
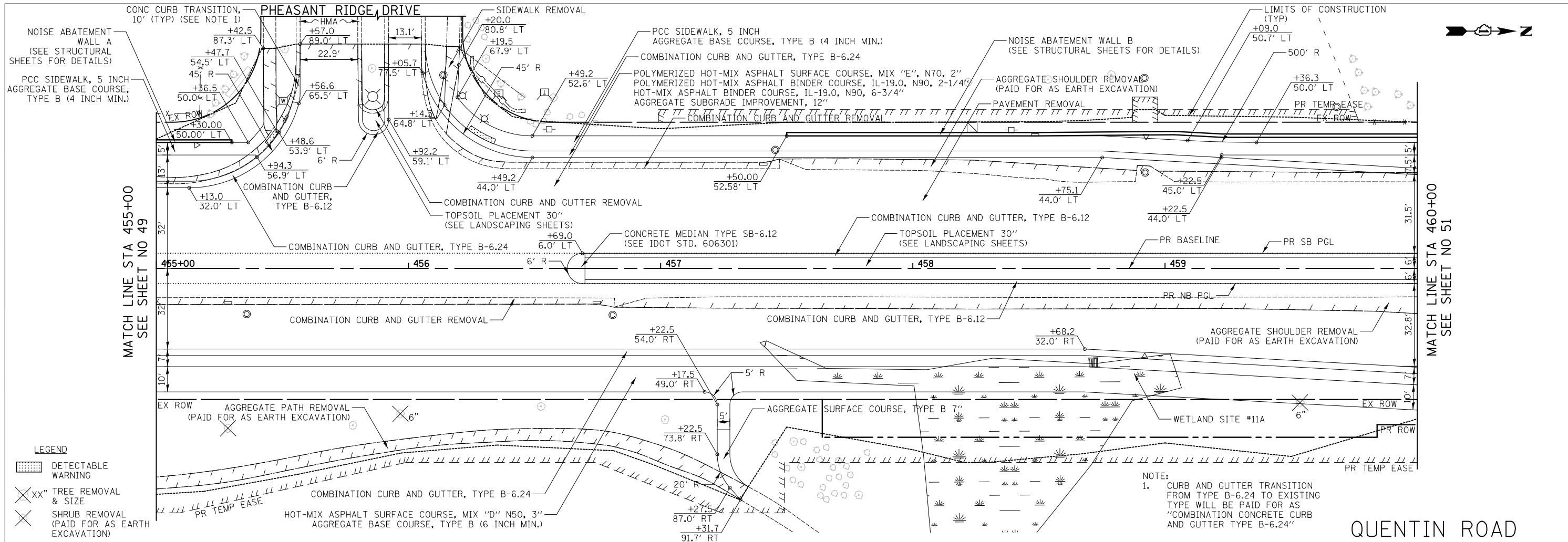
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



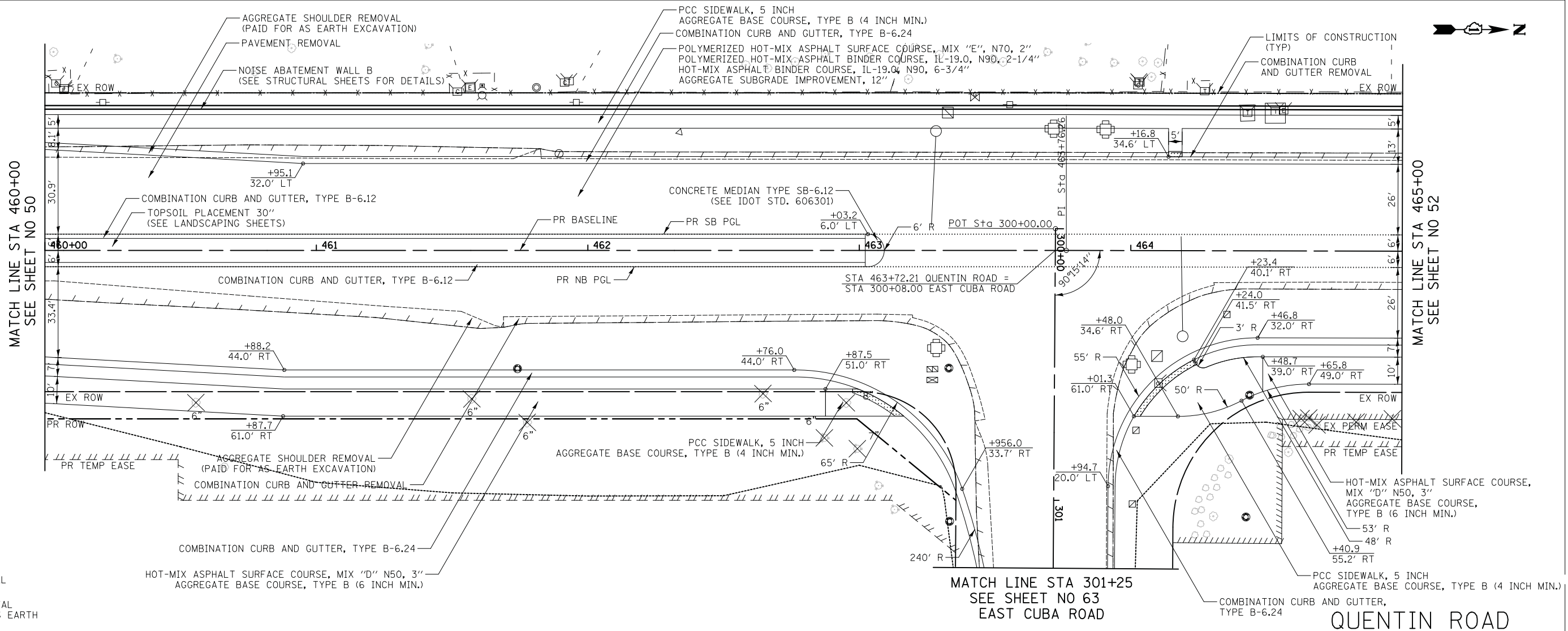
DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

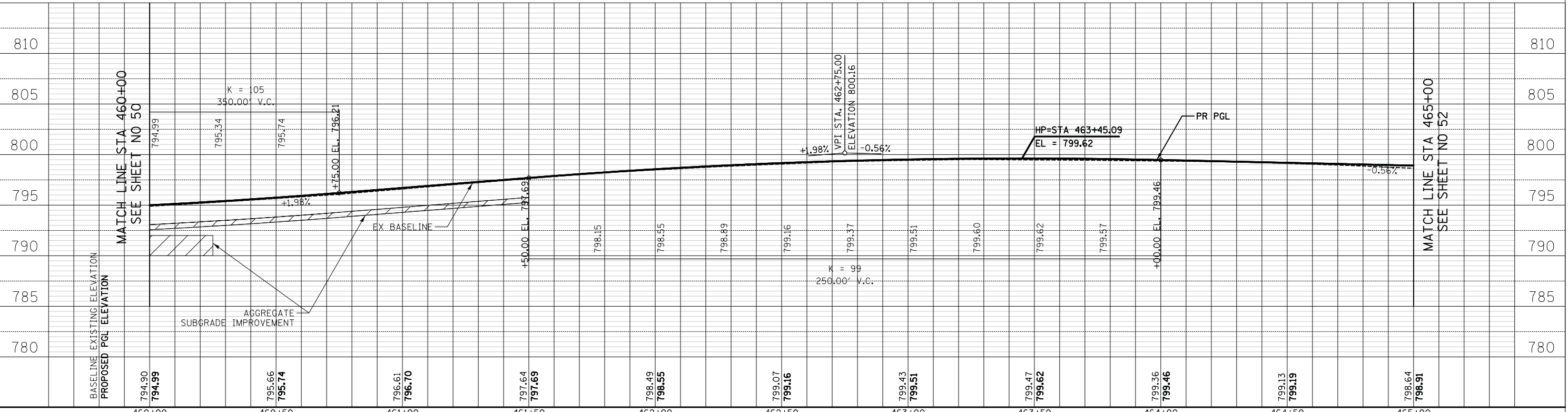


DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



- LEGEND**
- DETECTABLE WARNING
  - TREE REMOVAL & SIZE
  - SHRUB REMOVAL (PAID FOR AS EARTH EXCAVATION)



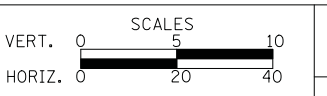
794.90 <b>794.99</b>	795.66 <b>795.74</b>	796.61 <b>796.70</b>	797.64 <b>797.69</b>	798.49 <b>798.55</b>	799.07 <b>799.16</b>	799.43 <b>799.51</b>	799.47 <b>799.62</b>	799.36 <b>799.46</b>	799.13 <b>799.19</b>	798.64 <b>798.91</b>
460+00	460+50	461+00	461+50	462+00	462+50	463+00	463+50	464+00	464+50	465+00

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DRAWN - JRR  
CHECKED - RTM  
DATE - 1/29/2018

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REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



**PLAN AND PROFILE**

SHEET NO. 12 OF 24 SHEETS STA. 460+00 TO STA. 465+00

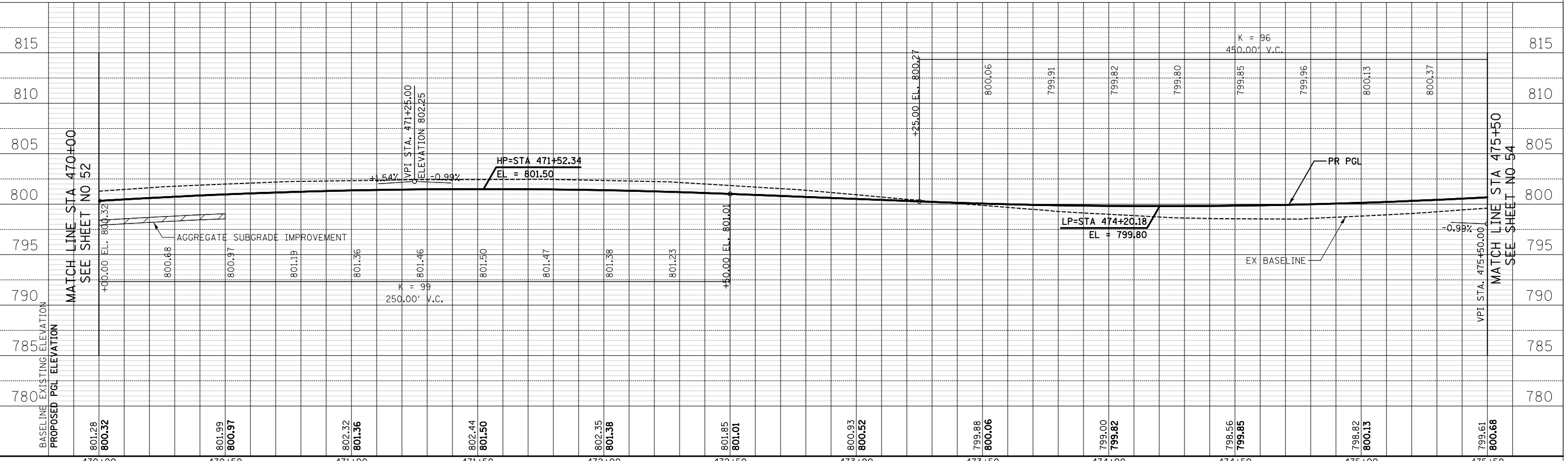
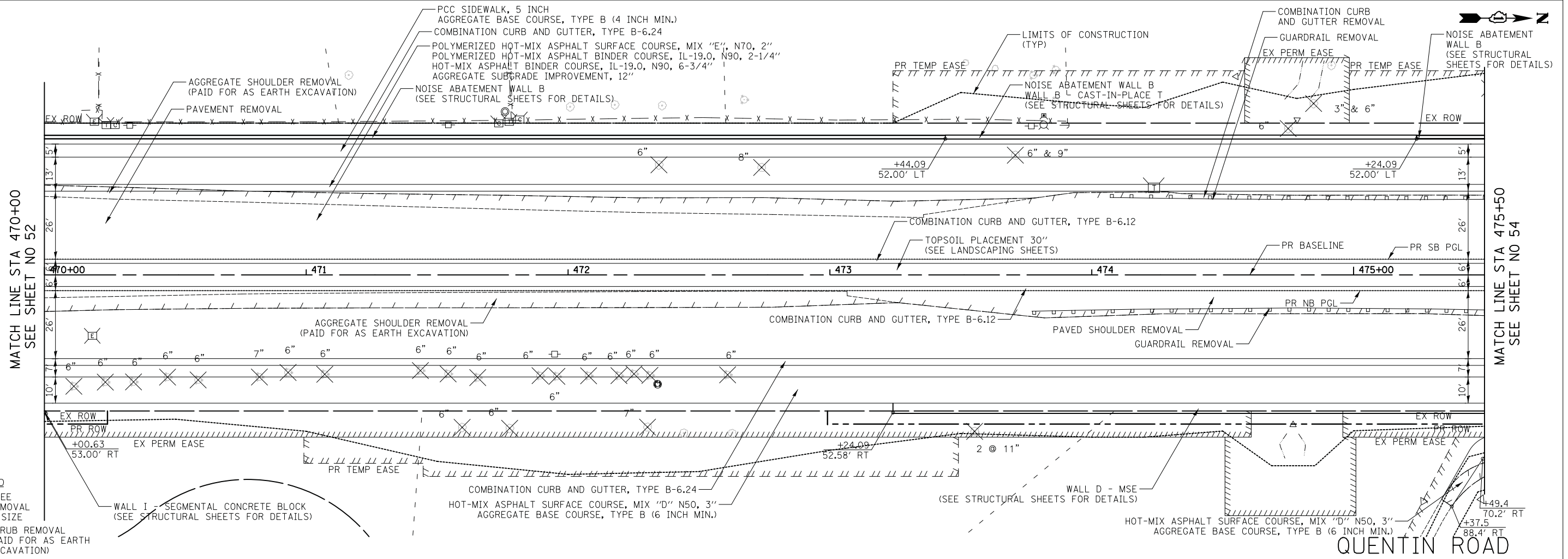
F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	51
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

ORIGINAL	
SURVEY	
NOTE	
BOOK	
AREAS	
CHECKED	
NO.	



801.28 800.32	801.99 800.97	802.32 801.36	802.44 801.50	802.35 801.38	801.85 801.01	800.93 800.52	799.88 800.06	799.00 799.82	798.56 799.85	798.82 800.13	799.61 800.68
470+00	470+50	471+00	471+50	472+00	472+50	473+00	473+50	474+00	474+50	475+00	475+50

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DATE - 1/29/2018

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



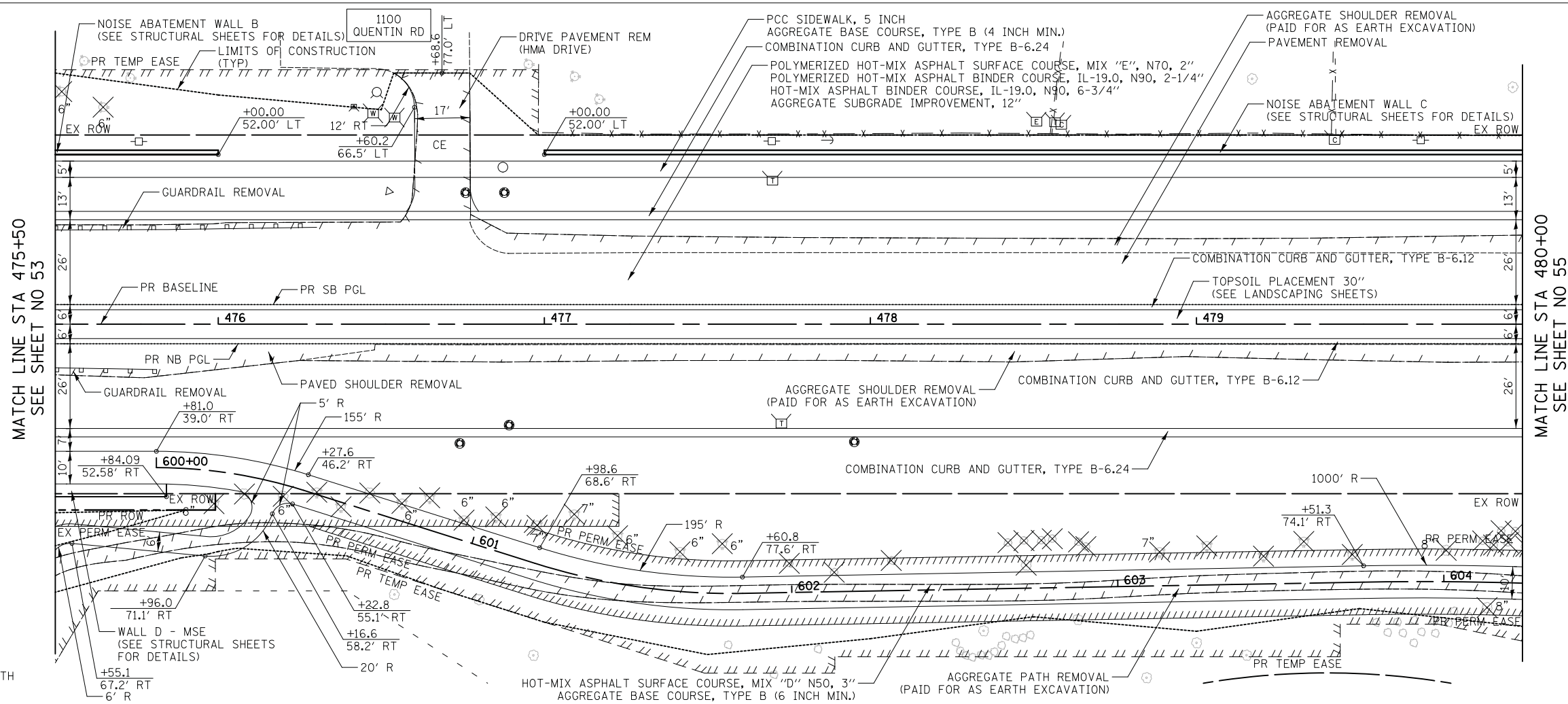
**PLAN AND PROFILE**

SHEET NO. 14 OF 24 SHEETS STA. 470+00 TO STA. 475+50

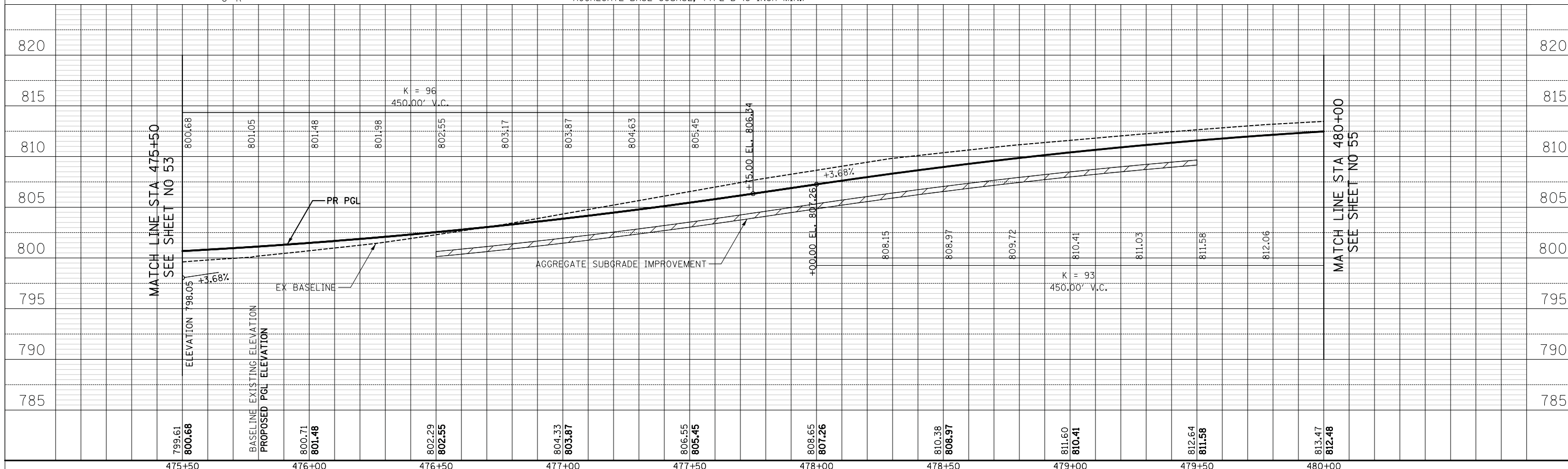
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	53
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
NO.	
FINISHED SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
AREAS CHECKED	



- LEGEND**
- XX" TREE REMOVAL & SIZE
  - SHRUB REMOVAL (PAID FOR AS EARTH EXCAVATION)
  - WALL D - MSE (SEE STRUCTURAL SHEETS FOR DETAILS)



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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 1/29/2018	REVISED -

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

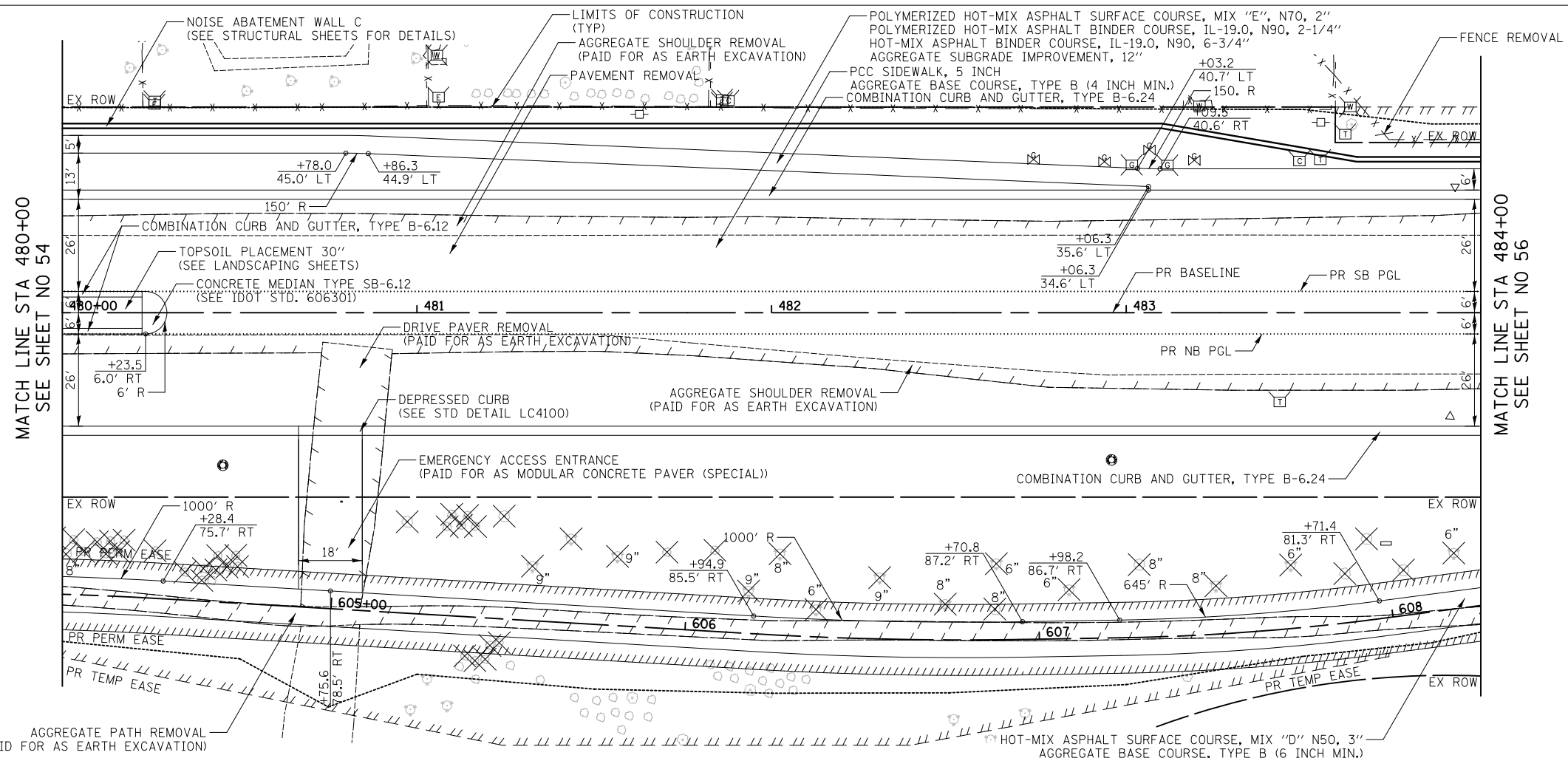


**PLAN AND PROFILE**  
 SHEET NO. 15 OF 24 SHEETS STA. 475+50 TO STA. 480+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	54
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

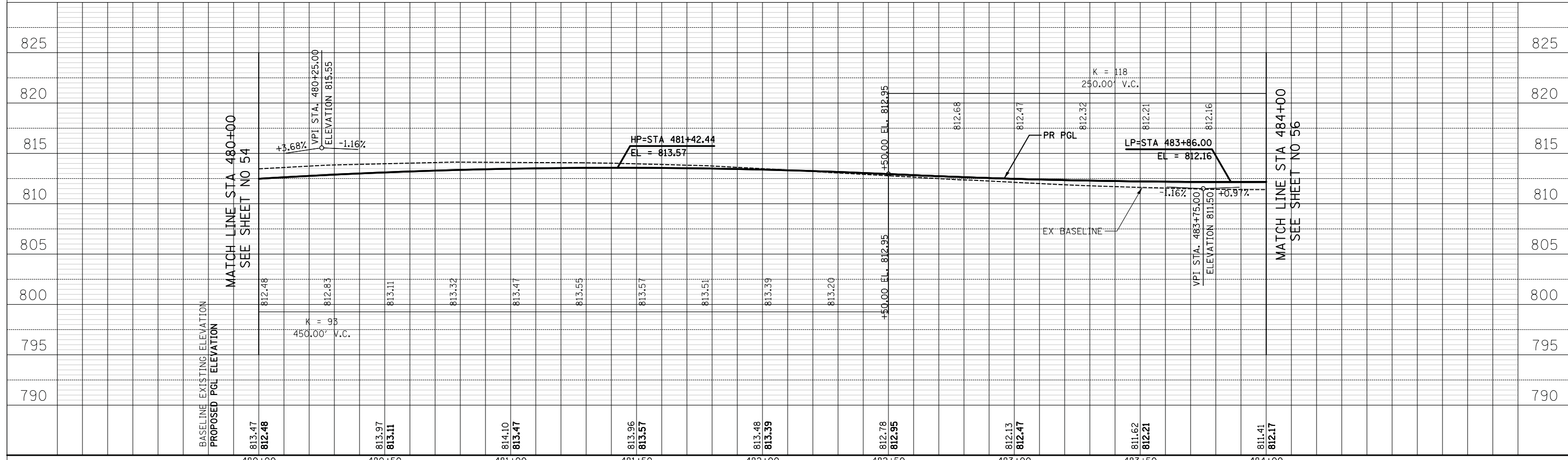
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NOTE BOOK	
AREAS CHECKED	
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**LEGEND**  
 XX" TREE REMOVAL & SIZE  
 X SHRUB REMOVAL (PAID FOR AS EARTH EXCAVATION)  
 --- AGGREGATE PATH REMOVAL (PAID FOR AS EARTH EXCAVATION)

**QUENTIN ROAD**



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 Two Pierce Place, Suite 1400  
 Itasca, Illinois 60143  
 Tel: 630.773.3900 Fax: 630.773.3975  
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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 1/29/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

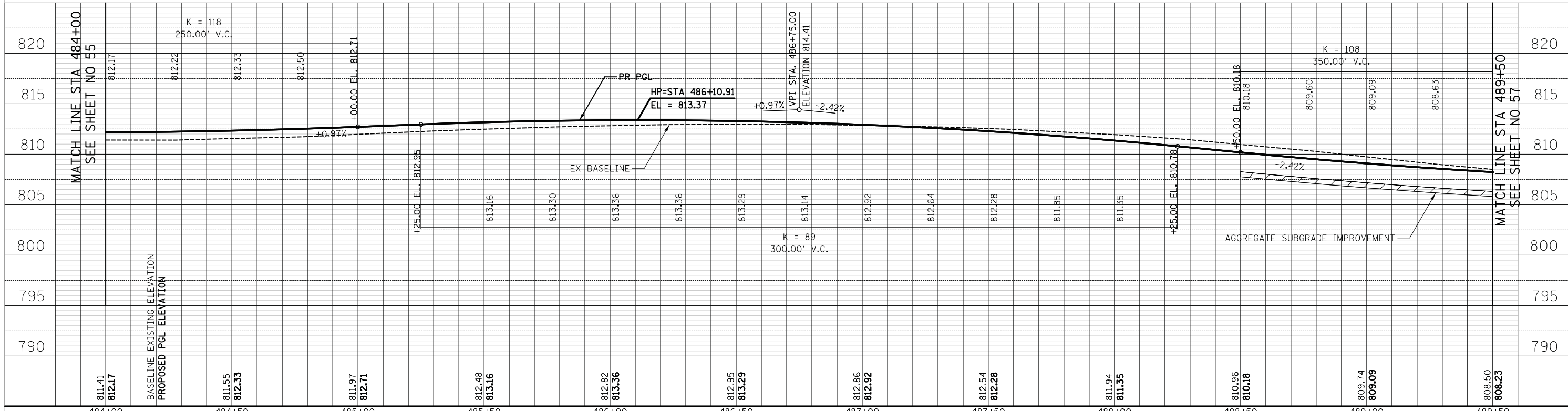
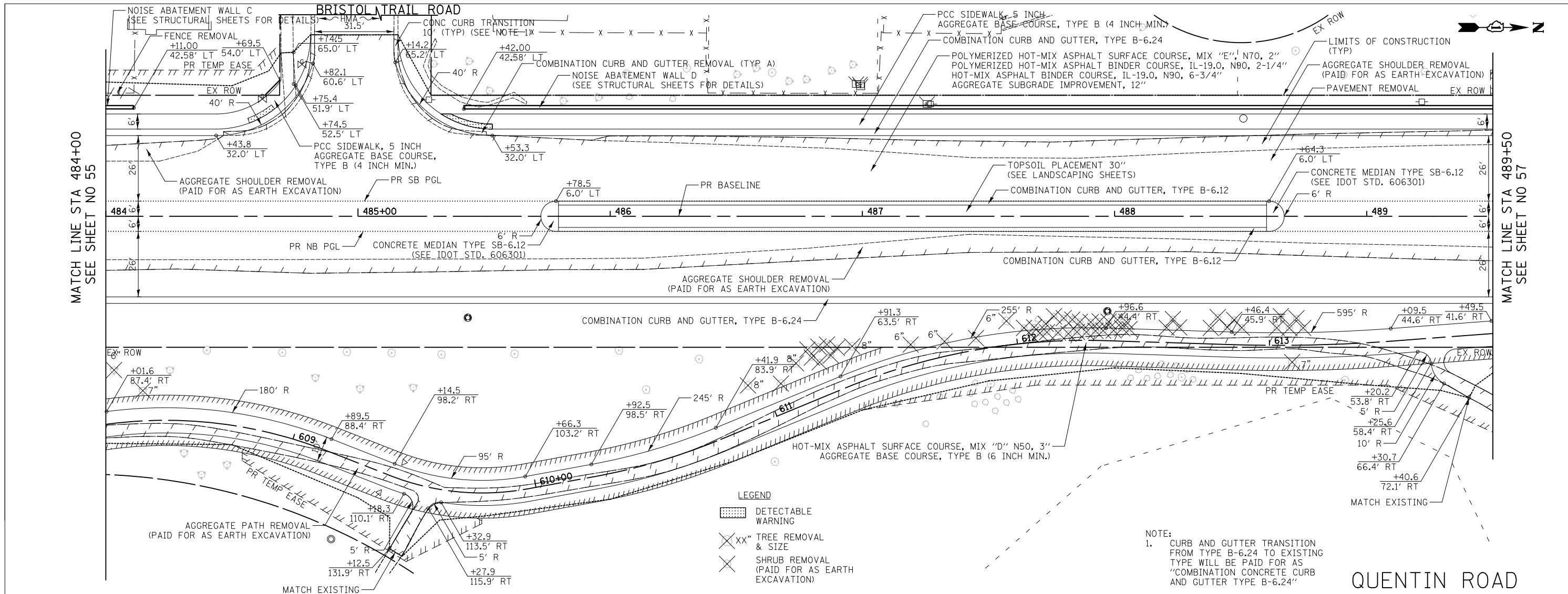


**PLAN AND PROFILE**  
 SHEET NO. 16 OF 24 SHEETS STA. 480+00 TO STA. 484+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	55
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
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TEMPLATE	
AREAS CHECKED	
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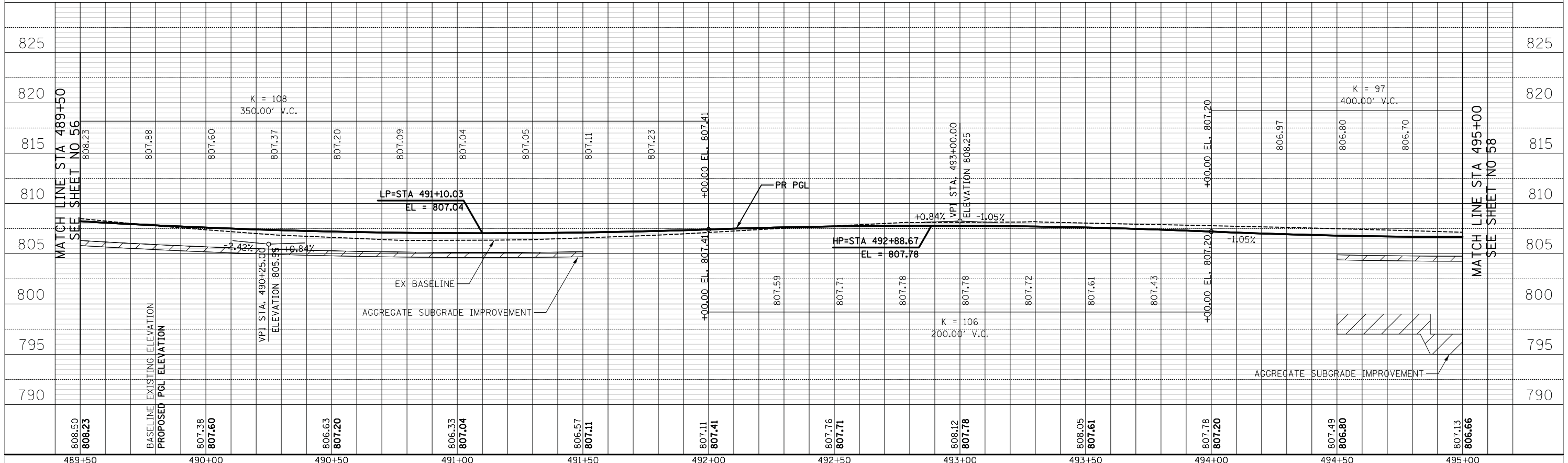
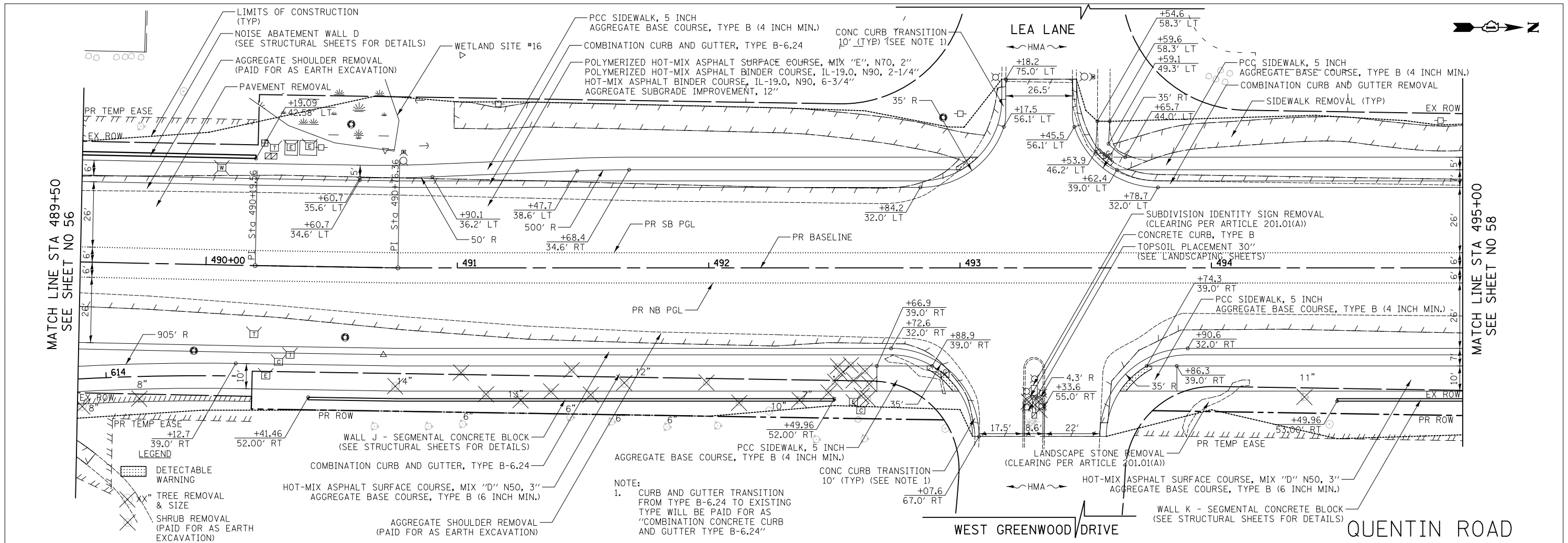
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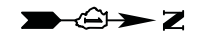


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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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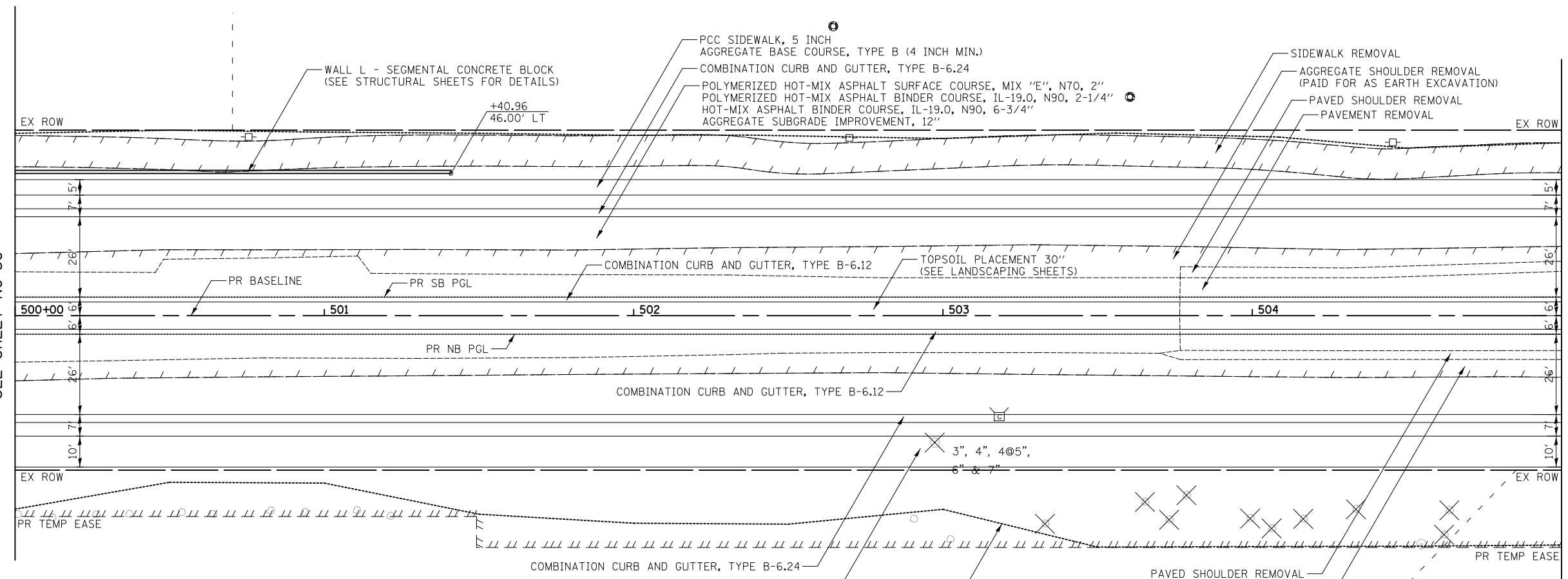


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ORIGINAL SURVEY	
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ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

MATCH LINE STA 500+00  
SEE SHEET NO 58

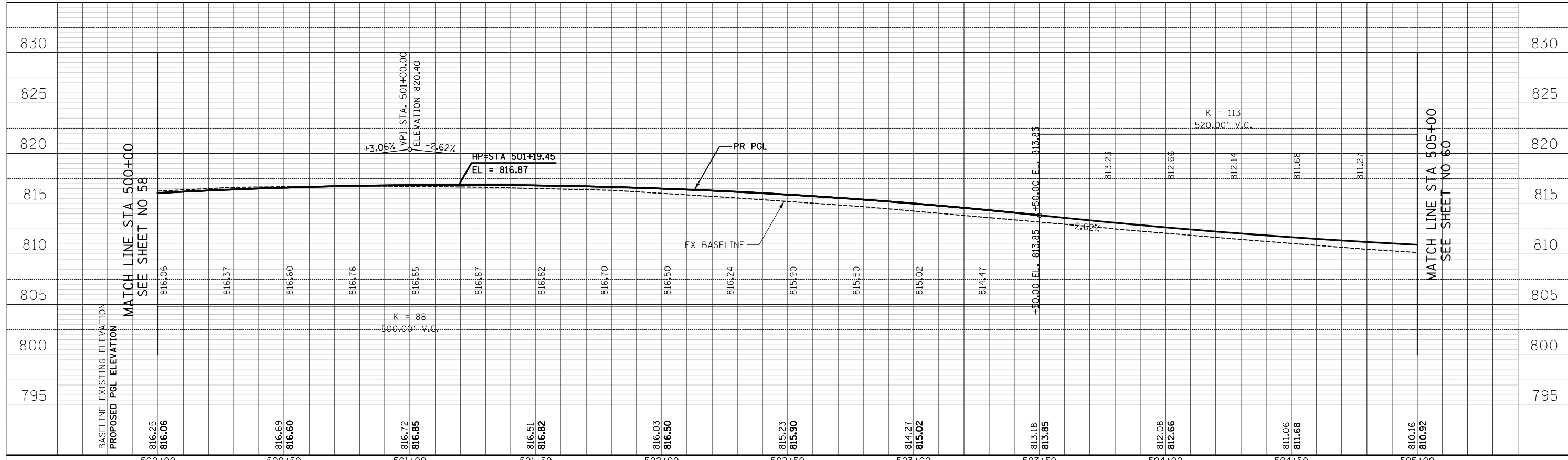
MATCH LINE STA 505+00  
SEE SHEET NO 60



LEGEND

- XX" TREE REMOVAL & SIZE
- SHRUB REMOVAL (PAID FOR AS EARTH EXCAVATION)

QUENTIN ROAD



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DATE - 1/29/2018	REVISED -

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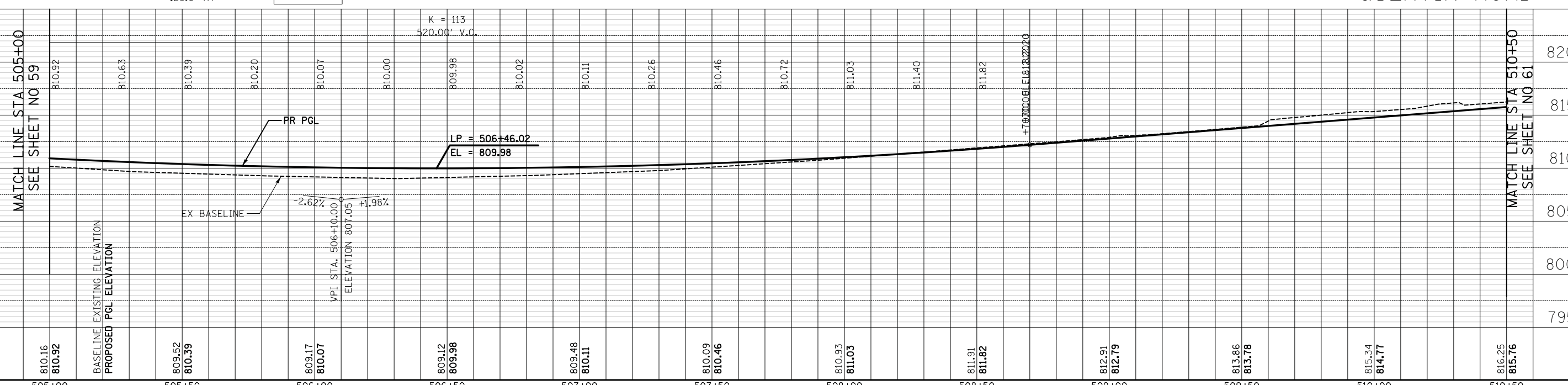
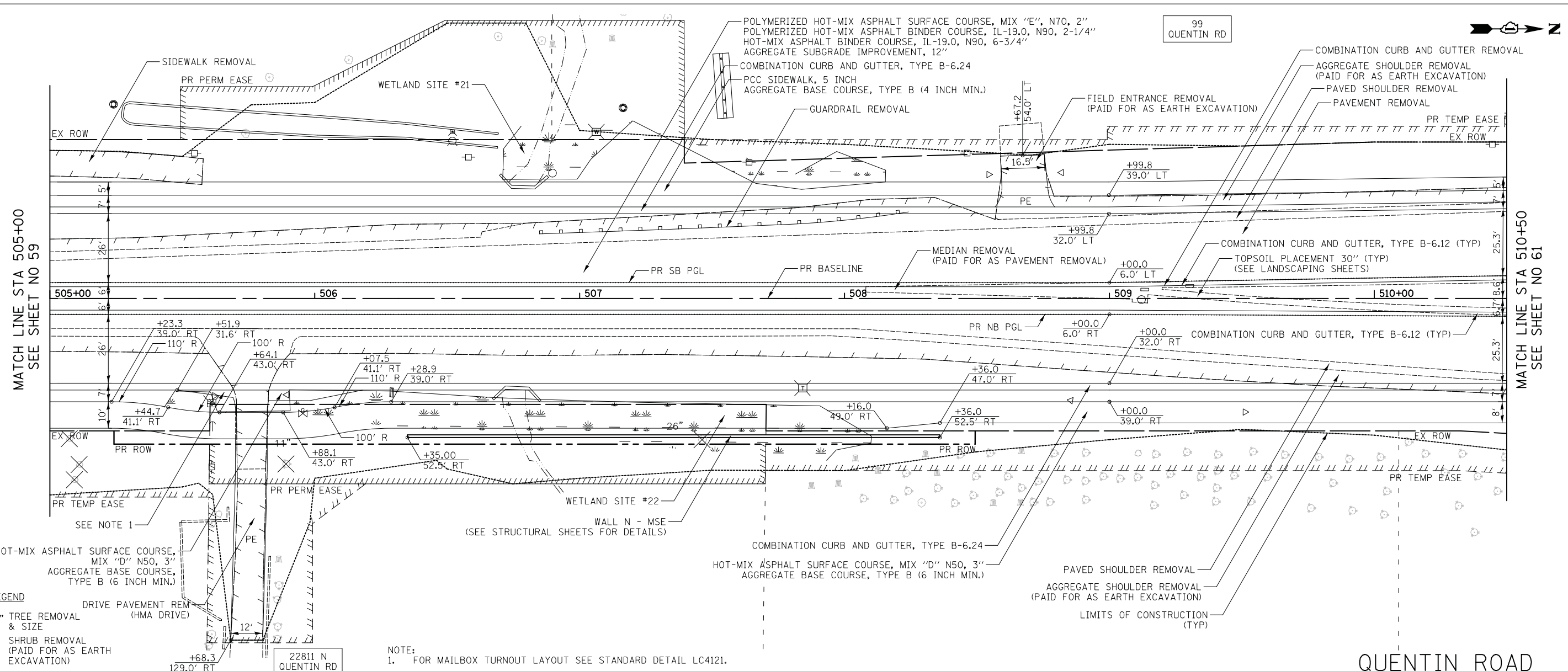
PLAN AND PROFILE

SHEET NO. 20 OF 24 SHEETS	STA. 500+00 TO STA. 505+00
---------------------------	----------------------------

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	59
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
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NOTE BOOK	
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DATE	
BY	
ORIGINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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 DATE - 1/29/2018

REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
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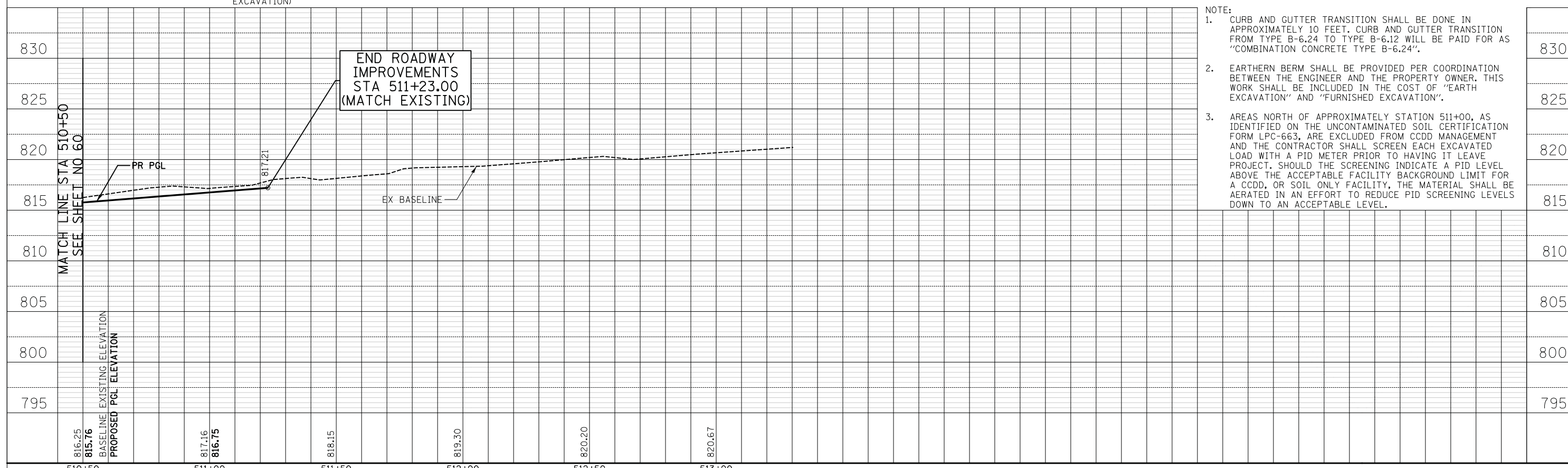
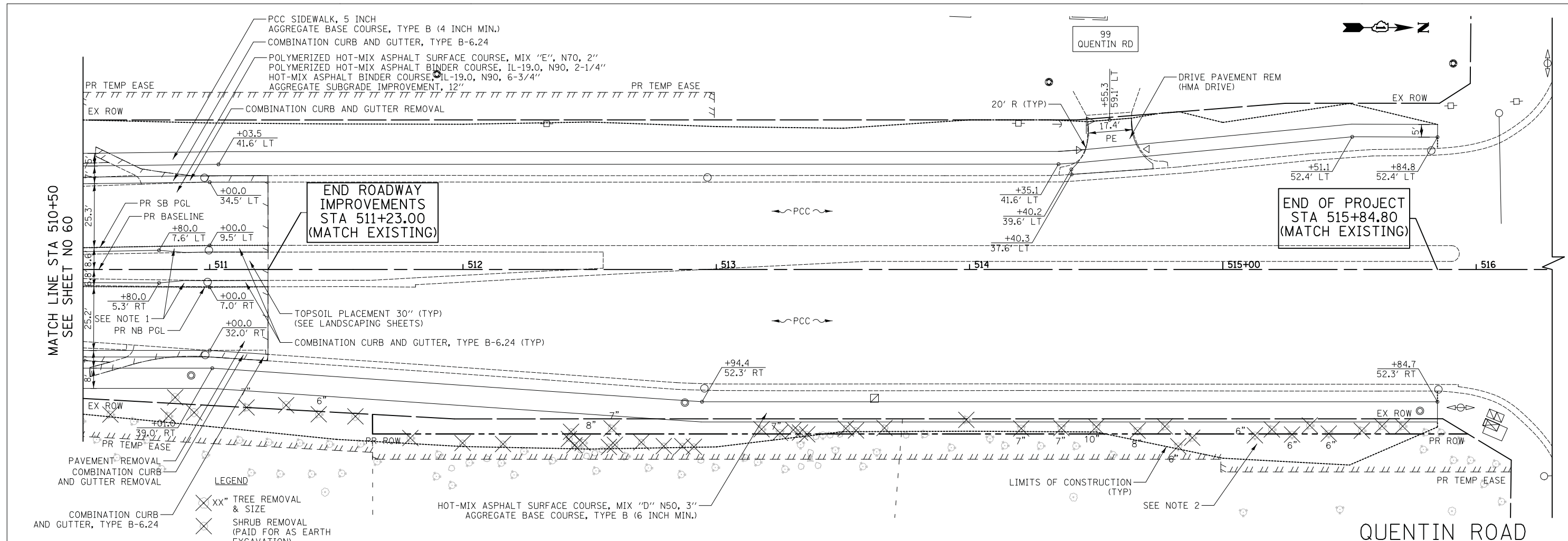
**PLAN AND PROFILE**

SHEET NO. 21 OF 24 SHEETS STA. 505+00 TO STA. 510+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	60
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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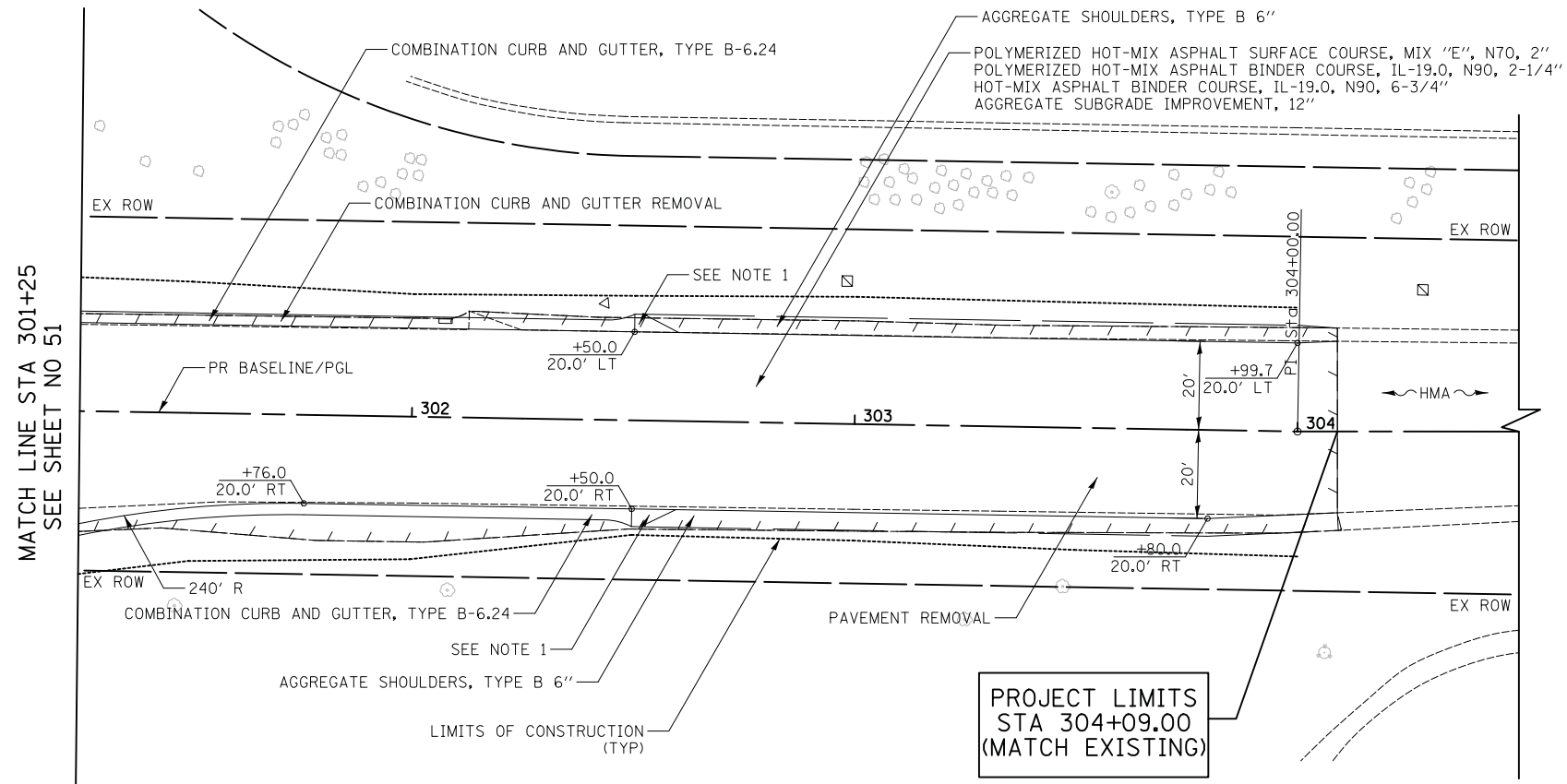


- NOTE:
- CURB AND GUTTER TRANSITION SHALL BE DONE IN APPROXIMATELY 10 FEET. CURB AND GUTTER TRANSITION FROM TYPE B-6.24 TO TYPE B-6.12 WILL BE PAID FOR AS "COMBINATION CONCRETE TYPE B-6.24".
  - EARTHEN BERM SHALL BE PROVIDED PER COORDINATION BETWEEN THE ENGINEER AND THE PROPERTY OWNER. THIS WORK SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION" AND "FURNISHED EXCAVATION".
  - AREAS NORTH OF APPROXIMATELY STATION 511+00, AS IDENTIFIED ON THE UNCONTAMINATED SOIL CERTIFICATION FORM LPC-663, ARE EXCLUDED FROM CCDD MANAGEMENT AND THE CONTRACTOR SHALL SCREEN EACH EXCAVATED LOAD WITH A PID METER PRIOR TO HAVING IT LEAVE PROJECT. SHOULD THE SCREENING INDICATE A PID LEVEL ABOVE THE ACCEPTABLE FACILITY BACKGROUND LIMIT FOR A CCDD, OR SOIL ONLY FACILITY, THE MATERIAL SHALL BE AERATED IN AN EFFORT TO REDUCE PID SCREENING LEVELS DOWN TO AN ACCEPTABLE LEVEL.



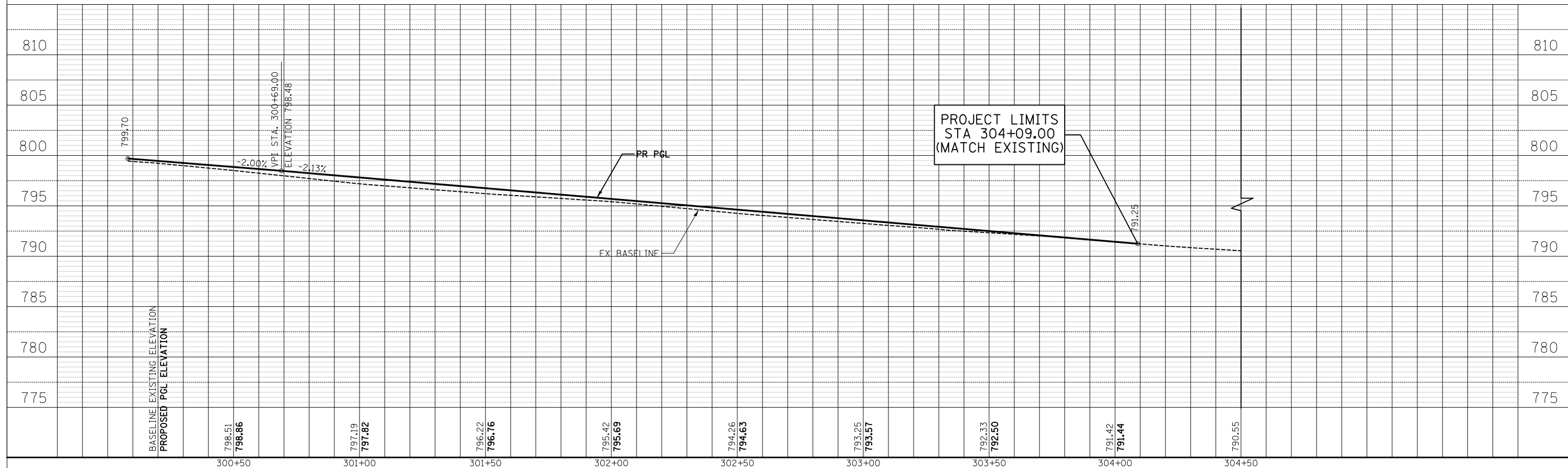
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NOTE BOOK	AREAS CHECKED
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SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
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NOTE:  
 1. FOR CURB AND GUTTER TRANSITION  
 SEE STANDARD DETAIL LC4801  
 PAID FOR AS "COMBINATION CONCRETE  
 CURB AND GUTTER TYPE B-6.24"

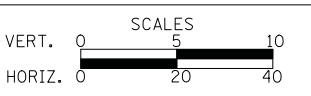
### EAST CUBA ROAD



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DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



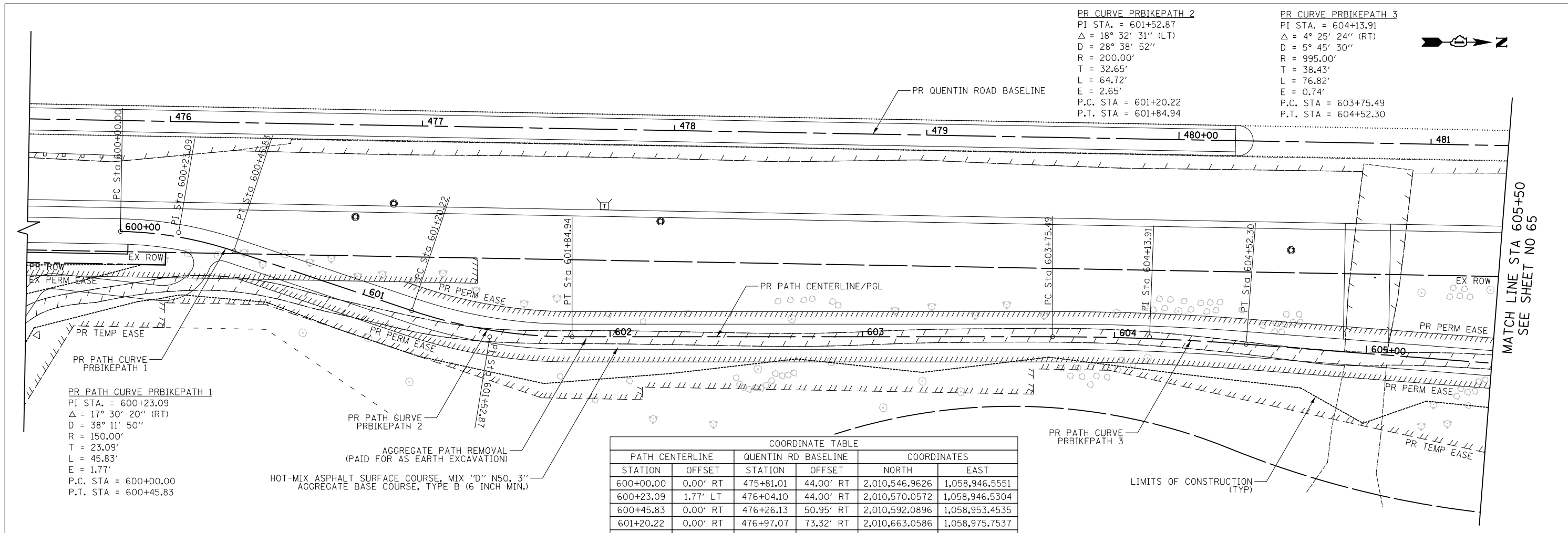
**PLAN AND PROFILE**

SHEET NO. 24 OF 24 SHEETS    STA. 301+25 TO STA. 304+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	63
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

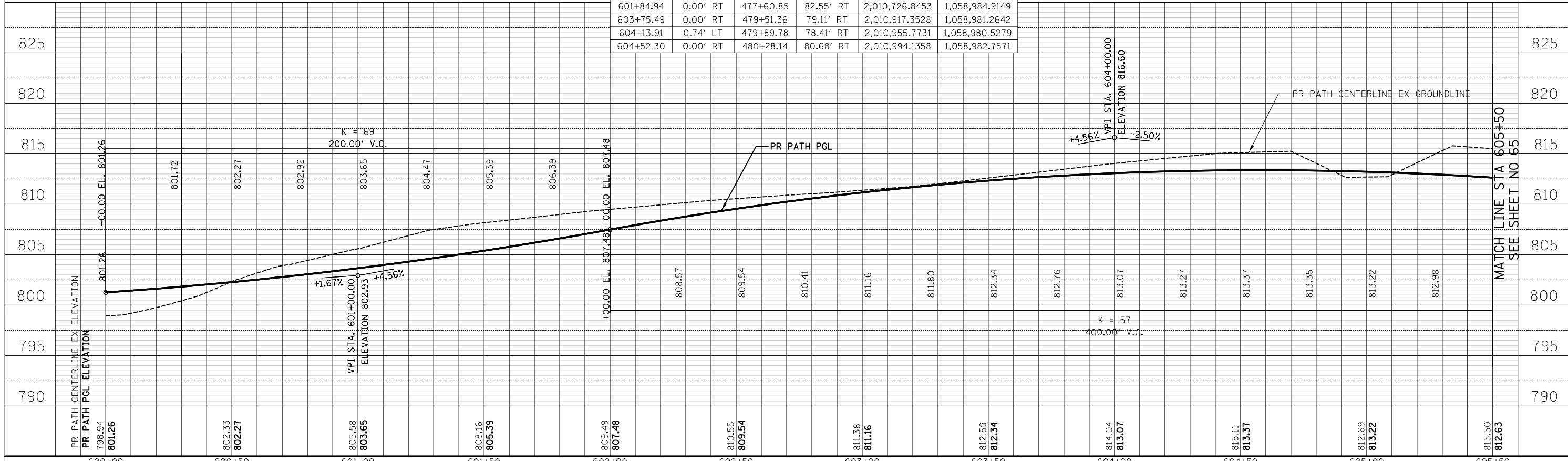
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NOTE BOOK	
AREAS CHECKED	
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BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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COORDINATE TABLE

STATION	OFFSET	QUENTIN RD BASELINE		COORDINATES	
		STATION	OFFSET	NORTH	EAST
600+00.00	0.00' RT	475+81.01	44.00' RT	2,010,546.9626	1,058,946.5551
600+23.09	1.77' LT	476+04.10	44.00' RT	2,010,570.0572	1,058,946.5304
600+45.83	0.00' RT	476+26.13	50.95' RT	2,010,592.0896	1,058,953.4535
601+20.22	0.00' RT	476+97.07	73.32' RT	2,010,663.0586	1,058,975.7537
601+52.87	2.65' RT	477+28.21	83.14' RT	2,010,694.2042	1,058,985.5404
601+84.94	0.00' RT	477+60.85	82.55' RT	2,010,726.8453	1,058,984.9149
603+75.49	0.00' RT	479+51.36	79.11' RT	2,010,917.3528	1,058,981.2642
604+13.91	0.74' LT	479+89.78	78.41' RT	2,010,955.7731	1,058,980.5279
604+52.30	0.00' RT	480+28.14	80.68' RT	2,010,994.1358	1,058,982.7571







PR CURVE PRBIKEPATH 4  
 PI STA. = 606+57.23  
 $\Delta = 4^\circ 20' 46''$  (LT)  
 $D = 5^\circ 42' 04''$   
 $R = 1,005.00'$   
 $T = 38.13'$   
 $L = 76.23'$   
 $E = 0.72'$   
 P.C. STA = 606+19.09  
 P.T. STA = 606+95.33

PR CURVE PRBIKEPATH 5  
 PI STA. = 607+59.80  
 $\Delta = 6^\circ 31' 29''$  (LT)  
 $D = 8^\circ 48' 53''$   
 $R = 650.00'$   
 $T = 37.05'$   
 $L = 74.02'$   
 $E = 1.06'$   
 P.C. STA = 607+22.75  
 P.T. STA = 607+96.77

PR CURVE PRBIKEPATH 6  
 PI STA. = 608+71.03  
 $\Delta = 28^\circ 54' 18''$  (RT)  
 $D = 32^\circ 44' 26''$   
 $R = 175.00'$   
 $T = 45.10'$   
 $L = 88.29'$   
 $E = 5.72'$   
 P.C. STA = 608+25.92  
 P.T. STA = 609+14.21

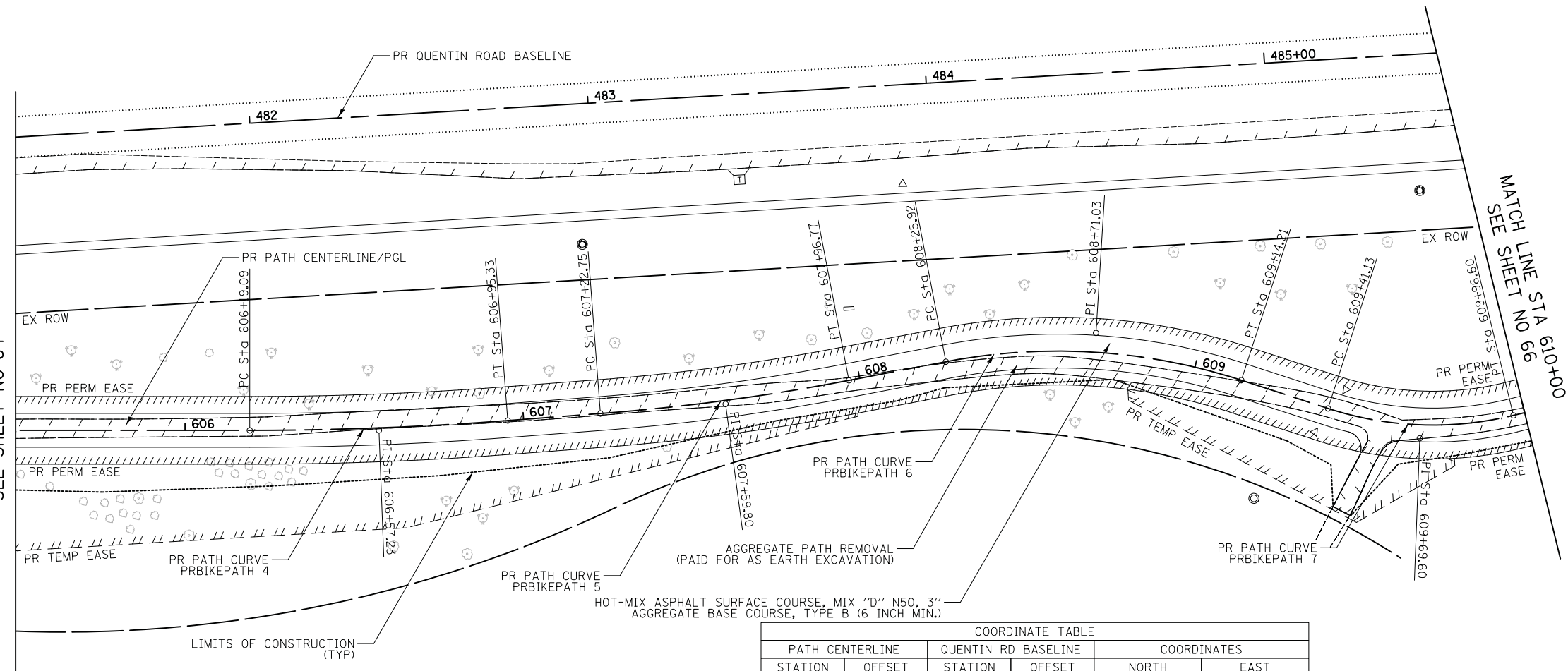
PR CURVE PRBIKEPATH 7  
 PI STA. = 609+69.60  
 $\Delta = 31^\circ 46' 58''$  (LT)  
 $D = 57^\circ 17' 45''$   
 $R = 100.00'$   
 $T = 28.47'$   
 $L = 55.47'$   
 $E = 3.97'$   
 P.C. STA = 609+41.13  
 P.T. STA = 609+96.60

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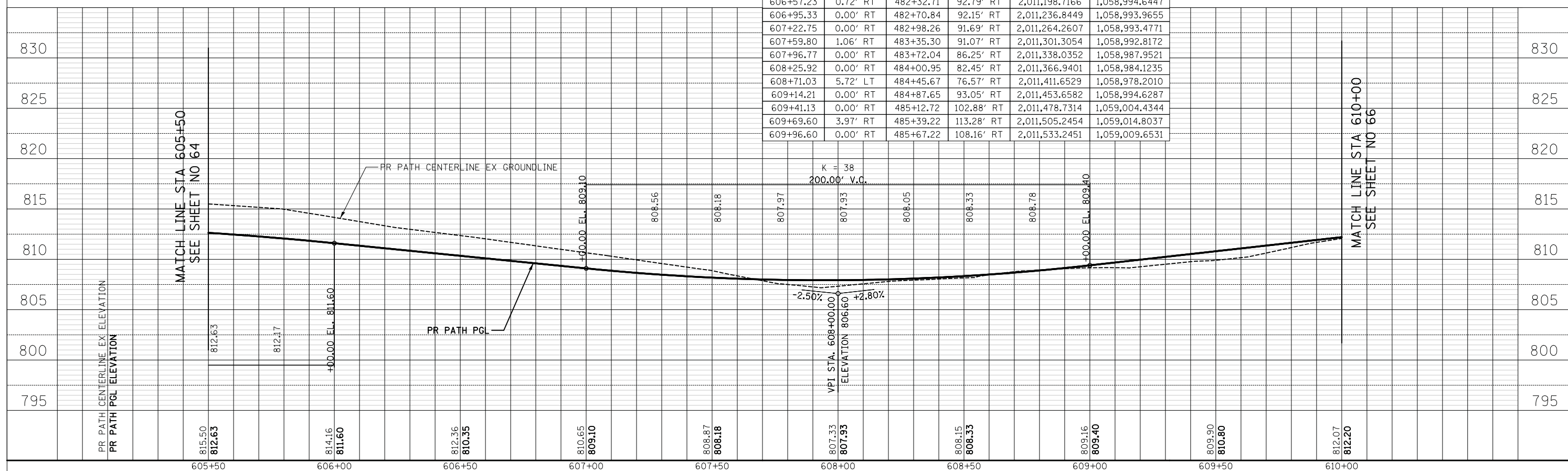
MATCH LINE STA 605+50  
 SEE SHEET NO 64

MATCH LINE STA 610+00  
 SEE SHEET NO 66



HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50, 3"  
 AGGREGATE BASE COURSE, TYPE B (6 INCH MIN.)

COORDINATE TABLE					
PATH CENTERLINE		QUENTIN RD BASELINE		COORDINATES	
STATION	OFFSET	STATION	OFFSET	NORTH	EAST
606+19.09	0.00' RT	481+94.64	90.54' RT	2,011,160.6464	1,058,992.4325
606+57.23	0.72' RT	482+32.71	92.79' RT	2,011,198.7166	1,058,994.6447
606+95.33	0.00' RT	482+70.84	92.15' RT	2,011,236.8449	1,058,993.9655
607+22.75	0.00' RT	482+98.26	91.69' RT	2,011,264.2607	1,058,993.4771
607+59.80	1.06' RT	483+35.30	91.07' RT	2,011,301.3054	1,058,992.8172
607+96.77	0.00' RT	483+72.04	86.25' RT	2,011,338.0352	1,058,987.9521
608+25.92	0.00' RT	484+00.95	82.45' RT	2,011,366.9401	1,058,984.1235
608+71.03	5.72' LT	484+45.67	76.57' RT	2,011,411.6529	1,058,978.2010
609+14.21	0.00' RT	484+87.65	93.05' RT	2,011,453.6582	1,058,994.6287
609+41.13	0.00' RT	485+12.72	102.88' RT	2,011,478.7314	1,059,004.4344
609+69.60	3.97' RT	485+39.22	113.28' RT	2,011,505.2454	1,059,014.8037
609+96.60	0.00' RT	485+67.22	108.16' RT	2,011,533.2451	1,059,009.6531



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SHARED USE PATH PLAN AND PROFILE

SHEET NO. 2 OF 3 SHEETS STA. 605+50 TO STA. 610+00

F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	65
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



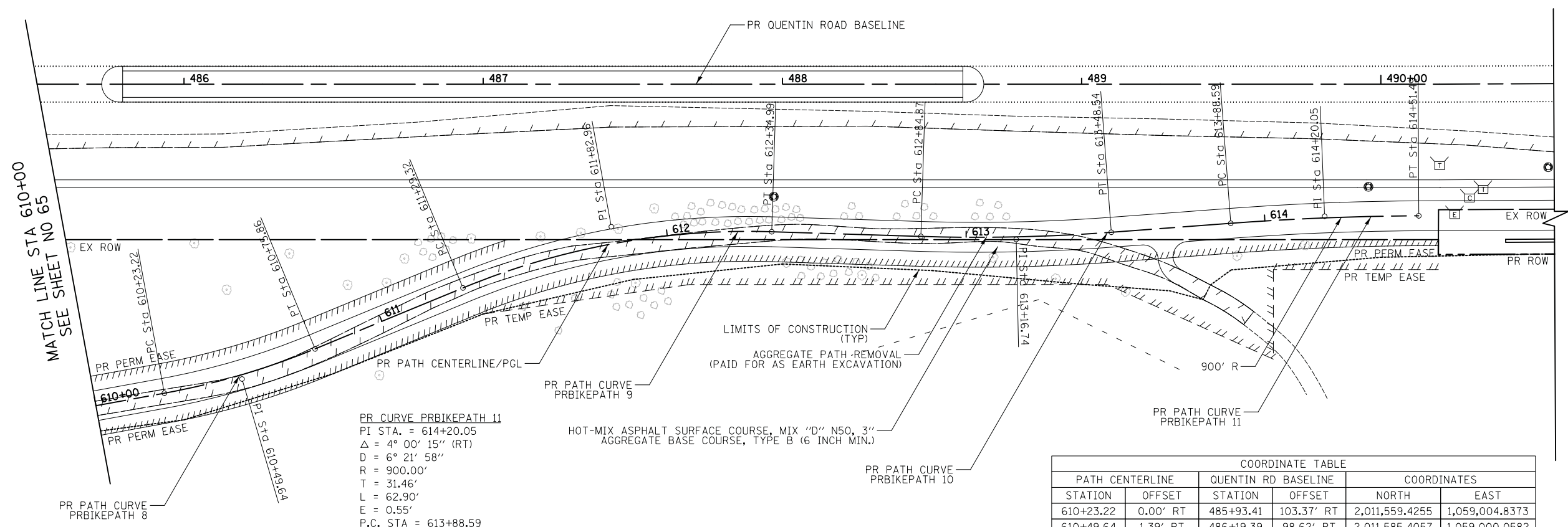
PR CURVE PRBIKEPATH 8  
 PI STA. = 610+49.64  
 $\Delta = 12^\circ 03' 49''$  (LT)  
 $D = 22^\circ 55' 06''$   
 $R = 250.00'$   
 $T = 26.42'$   
 $L = 52.64'$   
 $E = 1.39'$   
 P.C. STA = 610+23.22  
 P.T. STA = 610+75.86

PR CURVE PRBIKEPATH 9  
 PI STA. = 611+82.96  
 $\Delta = 24^\circ 13' 02''$  (RT)  
 $D = 22^\circ 55' 06''$   
 $R = 250.00'$   
 $T = 53.63'$   
 $L = 105.67'$   
 $E = 5.69'$   
 P.C. STA = 611+29.32  
 P.T. STA = 612+34.99

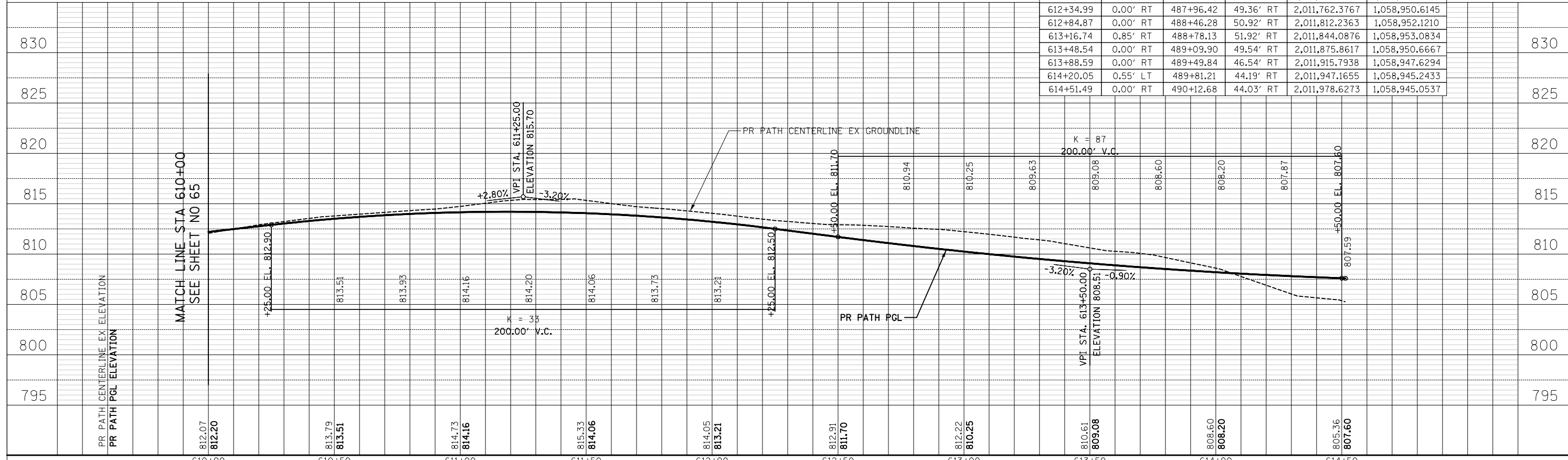
PR CURVE PRBIKEPATH 10  
 PI STA. = 613+16.74  
 $\Delta = 6^\circ 04' 49''$  (LT)  
 $D = 9^\circ 32' 57''$   
 $R = 600.00'$   
 $T = 31.87'$   
 $L = 63.67'$   
 $E = 0.85'$   
 P.C. STA = 612+84.87  
 P.T. STA = 613+48.54

PR CURVE PRBIKEPATH 11  
 PI STA. = 614+20.05  
 $\Delta = 4^\circ 00' 15''$  (RT)  
 $D = 6^\circ 21' 58''$   
 $R = 900.00'$   
 $T = 31.46'$   
 $L = 62.90'$   
 $E = 0.55'$   
 P.C. STA = 613+88.59  
 P.T. STA = 614+51.49

MATCH LINE STA 610+00  
 SEE SHEET NO 65



COORDINATE TABLE					
PATH CENTERLINE		QUENTIN RD BASELINE		COORDINATES	
STATION	OFFSET	STATION	OFFSET	NORTH	EAST
610+23.22	0.00' RT	485+93.41	103.37' RT	2,011,559.4255	1,059,004.8373
610+49.64	1.39' RT	486+19.39	98.62' RT	2,011,585.4057	1,059,000.0582
610+75.86	0.00' RT	486+43.81	88.54' RT	2,011,609.8134	1,058,989.9550
611+29.32	0.00' RT	486+93.23	68.15' RT	2,011,659.2099	1,058,969.5080
611+82.96	5.69' LT	487+42.81	47.69' RT	2,011,708.7666	1,058,948.9946
612+34.99	0.00' RT	487+96.42	49.36' RT	2,011,762.3767	1,058,950.6145
612+84.87	0.00' RT	488+46.28	50.92' RT	2,011,812.2363	1,058,952.1210
613+16.74	0.85' RT	488+78.13	51.92' RT	2,011,844.0876	1,058,953.0834
613+48.54	0.00' RT	489+09.90	49.54' RT	2,011,875.8617	1,058,950.6667
613+88.59	0.00' RT	489+49.84	46.54' RT	2,011,915.7938	1,058,947.6294
614+20.05	0.55' LT	489+81.21	44.19' RT	2,011,947.1655	1,058,945.2433
614+51.49	0.00' RT	490+12.68	44.03' RT	2,011,978.6273	1,058,945.0537



DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED

DATE	BY	ORIGINAL SURVEY	NOTED	AREAS CHECKED

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION



SHARED USE PATH PLAN AND PROFILE

SHEET NO. 3 OF 3 SHEETS STA. 610+00 TO STA. 614+51.5

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	66
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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TEMPLATE	
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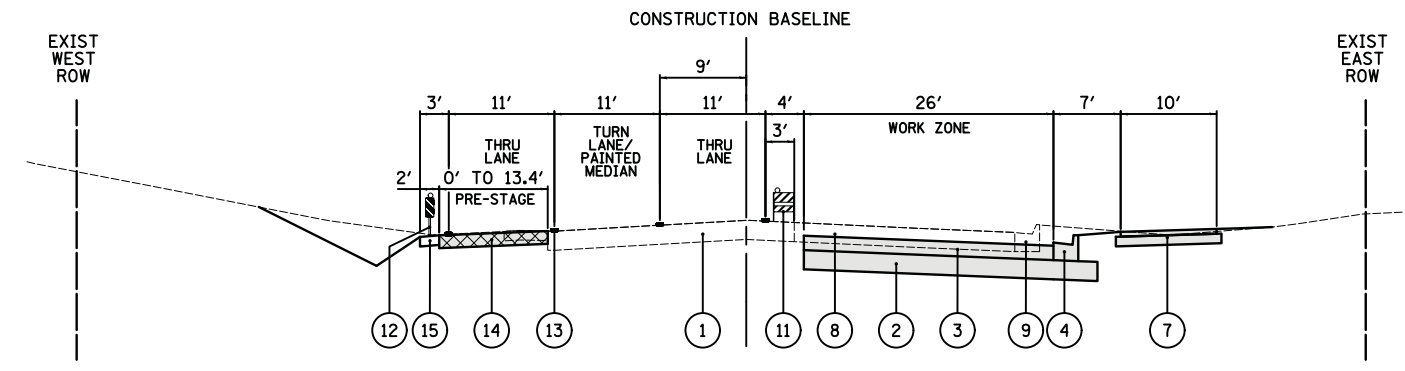
**PROPOSED LEGEND**

- ① EXISTING BITUMINOUS PAVEMENT
- ② PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ③ PROPOSED HOT-MIX ASPHALT BINDER COURSE
- ④ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑤ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑥ PROPOSED SIDEWALK
- ⑦ PROPOSED BIKEPATH
- ⑧ PAVEMENT REMOVAL
- ⑨ COMBINATION CURB AND GUTTER REMOVAL
- ⑩ GRAVEL SHOULDER REMOVAL - PAID FOR AS "EARTH EXCAVATION"
- ⑪ TYPE II BARRICADE WITH STEADY-BURN LIGHT
- ⑫ VERTICAL PANEL WITH STEADY-BURN LIGHT
- ⑬ TEMPORARY PAVEMENT MARKING
- ⑭ TEMPORARY PAVEMENT, 8" - PAID FOR AS "TEMPORARY PAVEMENT"
- ⑮ TEMPORARY AGGREGATE SHOULDER, 6" - PAID FOR AS "AGGREGATE SHOULDERS, TYPE B"

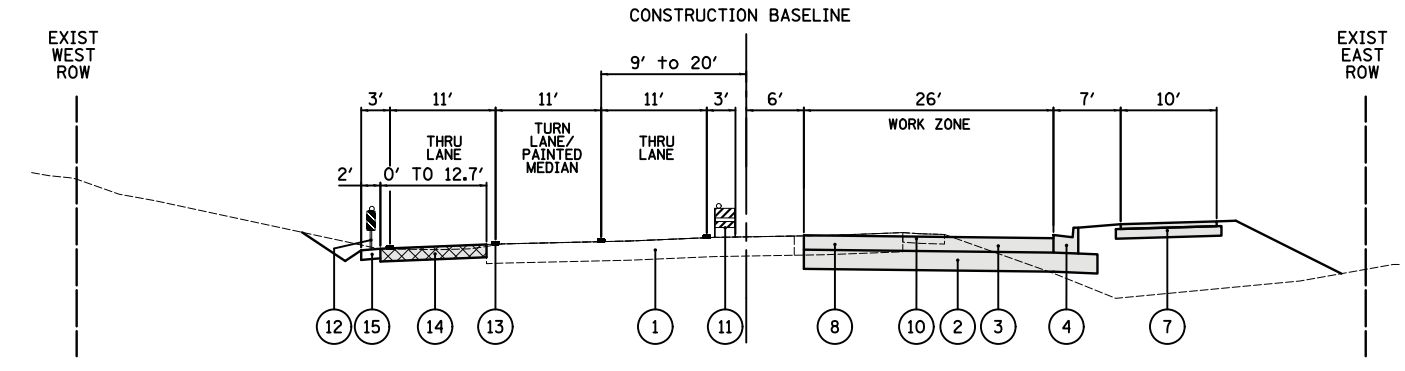
- PERMANENT CONSTRUCTION DURING STAGE (SEE STAGES OF CONSTRUCTION PLAN SHEETS)
- TEMPORARY PAVEMENT WIDENING

**NOTE:**

1. THE CONTRACTOR IS REQUIRED TO KEEP A TRAVELED WAY (CAPABLE OF SUPPORTING VEHICLE LOADING) OPEN FOR EMERGENCY VEHICLE ACCESS AT ALL TIMES.
2. IT IS THE INTENT OF THE CONTRACT THAT ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES TO THE EXTENT PRACTICABLE. DURING CONSTRUCTION HOURS THERE MAY BE TIMES WHEN RESIDENTS MAY NOT BE ABLE TO ACCESS THEIR DRIVEWAY AND WILL BE ENCOURAGED TO PARK ALONG NEARBY SIDE STREETS. THE CONTRACTOR WILL BE REQUIRED TO WORK COOPERATIVELY WITH THE RESIDENTS AND ENGINEER TO ACCOMMODATE ACCESS AND TO COORDINATE TRASH PICK-UP ON THE REGULARLY SCHEDULED DAY. THIS MAY REQUIRE STAGE CONSTRUCTING THE IMPROVEMENTS ADJACENT TO THE ACCESS POINTS. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN ACCEPTABLE SURFACE OR TEMPORARY ROUTE FOR ACCESS TO DRIVEWAYS, HOUSES, OR OTHER PROPERTY ABUTTING THE ROADWAY BEING IMPROVED. THIS WORK SHALL BE PAID FOR AS TEMPORARY ACCESS (PRIVATE ENTRANCE), TEMPORARY ACCESS (COMMERCIAL ENTRANCE), TEMPORARY ACCESS (ROAD), TEMPORARY ACCESS (WINTERIZE), OR AGGREGATE FOR TEMPORARY ACCESS.



**QUENTIN ROAD - STAGE I**  
STA 417+54.0 TO STA 439+62.5



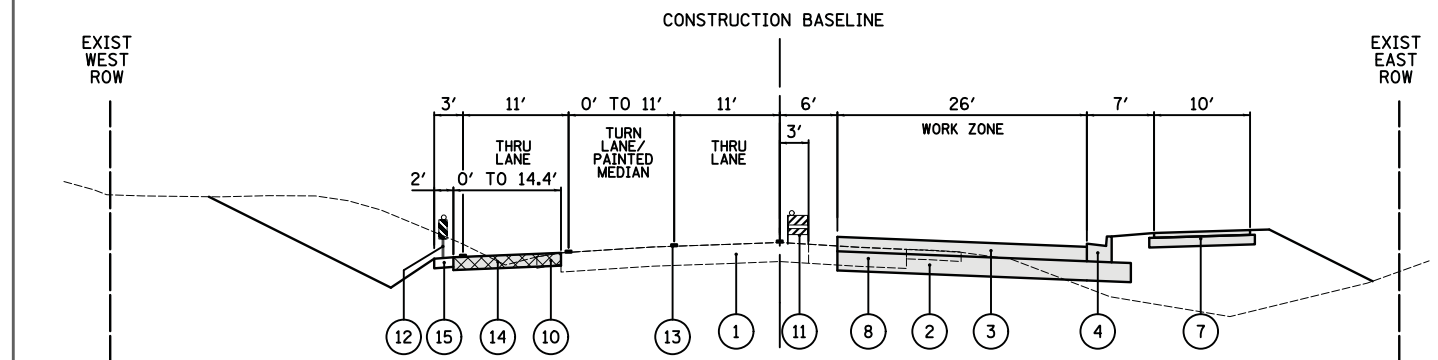
**QUENTIN ROAD - STAGE I**  
STA 439+62.5 TO STA 454+06.9

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK. THE COUNTY TRAFFIC ENGINEER SHALL BE NOTIFIED 7 DAYS IN ADVANCE OF BEGINNING WORK.

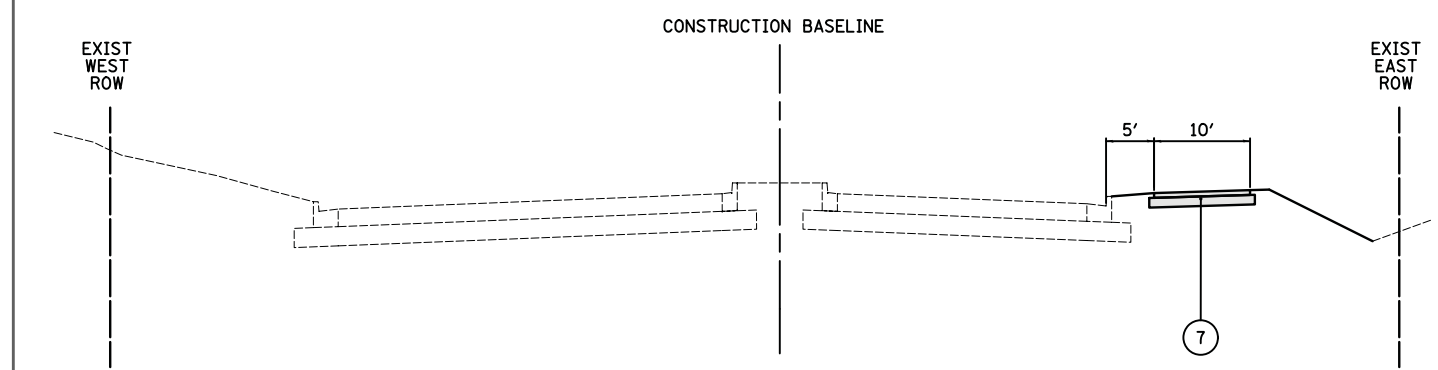
PRE-STAGE (NOT ILLUSTRATED)	STAGE I	STAGE II	STAGE III
<ol style="list-style-type: none"> <li>1. ERECT ALL ADVANCED CONSTRUCTION SIGNING.</li> <li>2. IMPLEMENT SOIL &amp; SEDIMENT EROSION CONTROL PLAN AND PROVIDE TEMPORARY FENCE WHERE PERIMETER EROSION CONTROL BARRIER IS NOT SHOWN.</li> <li>3. REMOVE TREES AND RELOCATE TRAFFIC SIGNS WHERE NECESSARY.</li> <li>4. INSTALL CULVERT EXTENSIONS WHERE NECESSARY FOR STAGE I.</li> <li>5. TURN OFF AND COVER TRAFFIC SIGNALS AT THE WEST CUBA ROAD AND THE EAST CUBA ROAD, AND INSTALL TEMPORARY TRAFFIC SIGNALS.</li> <li>6. CONSTRUCT TEMPORARY PAVEMENT WHERE REQUIRED IN STAGE I.</li> <li>7. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS, ERECT BARRICADES AND TEMPORARY TRAFFIC SIGNS AND SHIFT TRAFFIC.</li> </ol>	<ol style="list-style-type: none"> <li>1. REMOVE EXISTING PAVEMENT, SIDEWALK, ENTRANCES, AND CURB AND GUTTER ON THE EAST SIDE OF QUENTIN ROAD AND SOUTH SIDE OF EAST CUBA ROAD.</li> <li>2. INSTALL DRAINAGE STRUCTURES, STORM SEWERS, AND CULVERTS ON EAST SIDE OF QUENTIN ROAD AND ACROSS ROADWAY USING PAVEMENT PATCHING.</li> <li>3. CONSTRUCT AGGREGATE SUBGRADE, BINDER COURSE, CURB AND GUTTER, DRIVEWAYS, BIKE PATHS, AND WALLS ON EAST SIDE OF QUENTIN ROAD AND SOUTH SIDE OF EAST CUBA ROAD.</li> <li>4. REMOVE CONFLICTING PAVEMENT MARKINGS, RELOCATE BARRICADES, ADJUST TEMPORARY SIGNING, AND REMOVE PAVEMENT TO CONSTRUCT AGGREGATE SUBGRADE AND BINDER COURSE IN THE MIDDLE SECTION OF EAST CUBA ROAD AND AT NORTH AND SOUTH ENDS OF THE PROJECT ALONG QUENTIN ROAD (STAGE IA).</li> <li>5. REMOVE CONFLICTING PAVEMENT MARKINGS, RELOCATE BARRICADES, ADJUST TEMPORARY SIGNING, AND REMOVE PAVEMENT TO CONSTRUCT AGGREGATE SUBGRADE AND BINDER COURSE ON NORTH SIDE OF EAST CUBA ROAD (STAGE IB).</li> <li>6. IF NECESSARY, IMPLEMENT ADDITIONAL SEDIMENT EROSION CONTROL PLAN MEASURES WITHIN CONSTRUCTION LIMITS.</li> <li>7. CONSTRUCT TEMPORARY PAVEMENT WHERE REQUIRED IN STAGE II (STAGE IC).</li> <li>8. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS, RELOCATE BARRICADES, ADJUST TEMPORARY SIGNING, TEMPORARY TRAFFIC SIGNALS, AND SHIFT TRAFFIC FOR STAGE II CONSTRUCTION.</li> </ol>	<ol style="list-style-type: none"> <li>1. REMOVE EXISTING PAVEMENT, SIDEWALK, ENTRANCES, AND CURB AND GUTTER ON THE WEST SIDE OF QUENTIN ROAD AND SOUTH SIDE OF WEST CUBA ROAD.</li> <li>2. INSTALL DRAINAGE STRUCTURES, STORM SEWERS, AND CULVERTS ON WEST SIDE OF QUENTIN ROAD.</li> <li>3. CONSTRUCT AGGREGATE SUBGRADE, BINDER COURSE, CURB AND GUTTER, DRIVEWAYS, SIDEWALKS, AND WALLS ON WEST SIDE OF QUENTIN ROAD AND SOUTH SIDE OF WEST CUBA ROAD.</li> <li>4. REMOVE CONFLICTING PAVEMENT MARKINGS, RELOCATE BARRICADES, ADJUST TEMPORARY SIGNING, AND REMOVE PAVEMENT TO CONSTRUCT AGGREGATE SUBGRADE AND BINDER COURSE IN THE MIDDLE SECTION OF WEST CUBA ROAD (STAGE IIA).</li> <li>5. REMOVE CONFLICTING PAVEMENT MARKINGS, RELOCATE BARRICADES, ADJUST TEMPORARY SIGNING, AND REMOVE PAVEMENT TO CONSTRUCT AGGREGATE SUBGRADE AND BINDER COURSE ON NORTH SIDE OF WEST CUBA ROAD (STAGE IIB).</li> <li>6. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS, RELOCATE BARRICADES, ADJUST TEMPORARY SIGNING, TEMPORARY TRAFFIC SIGNALS, AND SHIFT TRAFFIC FOR STAGE III CONSTRUCTION.</li> </ol>	<ol style="list-style-type: none"> <li>1. CONSTRUCT AGGREGATE SUBGRADE, BINDER COURSE, AND CURB AND GUTTER, IN THE MIDDLE SECTION OF QUENTIN ROAD.</li> <li>2. PLACE SURFACE COURSE TO FINISHED GRADE ON QUENTIN ROAD, WEST CUBA ROAD, AND EAST CUBA ROAD AND PLACE SHORT TERM PAVEMENT MARKINGS AS REQUIRED.</li> <li>3. COMPLETE AND ACTIVATE ALL PERMANENT TRAFFIC SIGNAL INSTALLATIONS AND REMOVE TEMPORARY SIGNALS.</li> <li>4. REMOVE ALL CONFLICTING PAVEMENT MARKINGS, PLACE PERMANENT MARKINGS AND SIGNING, REMOVE ALL BARRICADES AND TEMPORARY TRAFFIC SIGNS.</li> <li>5. COMPLETE ALL REMAINING LANDSCAPING AND CLEAN-UP WORK.</li> </ol>

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TEMPLATE	
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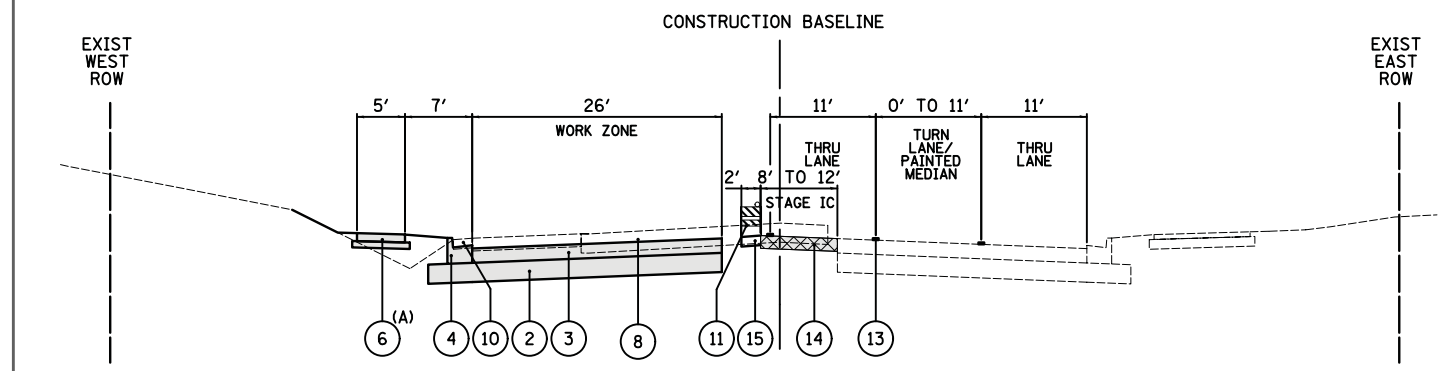
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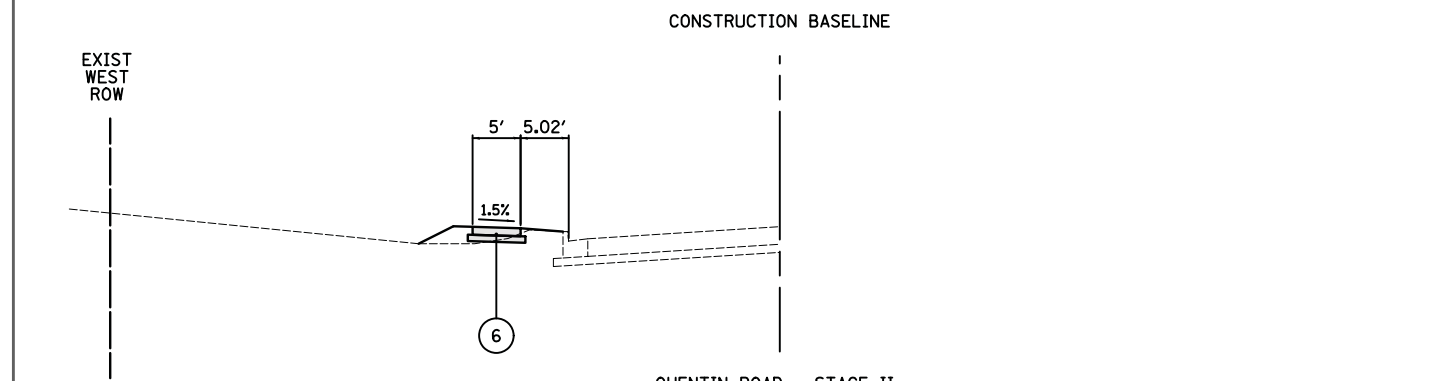
QUENTIN ROAD - STAGE I  
STA 454+06.9 TO STA 511+23.0



QUENTIN ROAD - STAGE I  
STA 511+23.0 TO STA 515+84.8



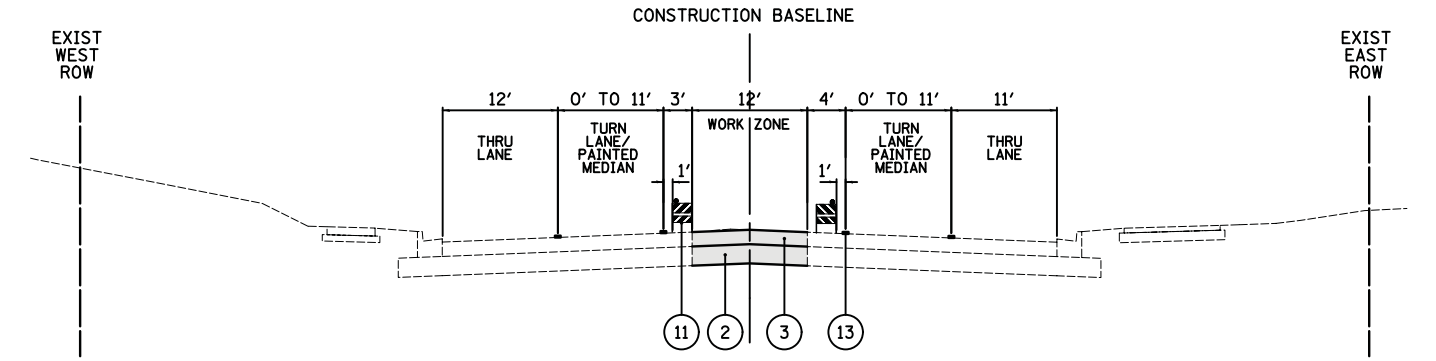
QUENTIN ROAD - STAGE II  
STA 417+54.0 TO STA 511+23.0  
(A) SIDEWALK BEGINS AT 445+80.7



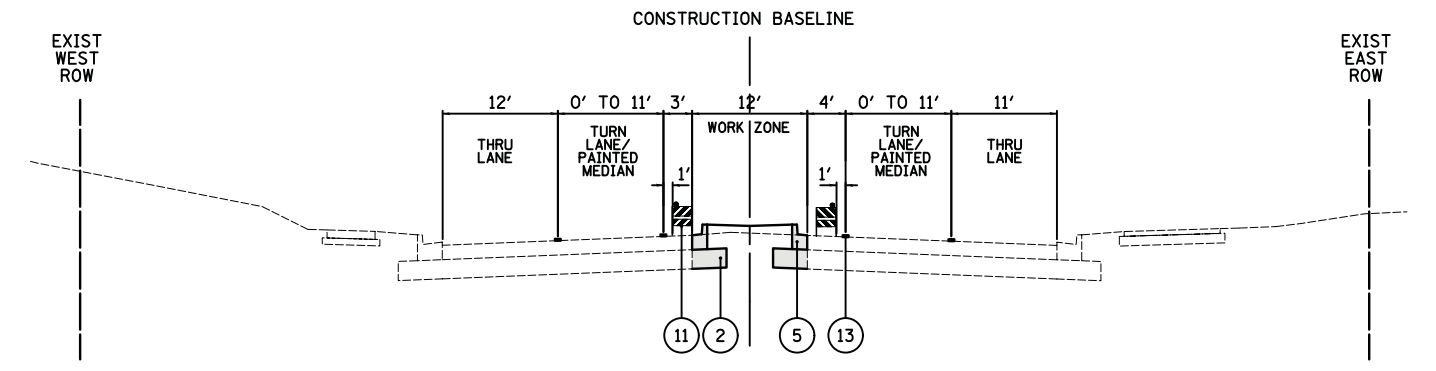
QUENTIN ROAD - STAGE II  
STA 511+23.0 TO STA 515+84.8

PROPOSED LEGEND

- 1 EXISTING BITUMINOUS PAVEMENT
  - 2 PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
  - 3 PROPOSED HOT-MIX ASPHALT BINDER COURSE
  - 4 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
  - 5 PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  - 6 PROPOSED SIDEWALK
  - 7 PROPOSED BIKEPATH
  - 8 PAVEMENT REMOVAL
  - 9 COMBINATION CURB AND GUTTER REMOVAL
  - 10 GRAVEL SHOULDER REMOVAL - PAID FOR AS "EARTH EXCAVATION"
  - 11 TYPE II BARRICADE WITH STEADY-BURN LIGHT
  - 12 VERTICAL PANEL WITH STEADY-BURN LIGHT
  - 13 TEMPORARY PAVEMENT MARKING
  - 14 TEMPORARY PAVEMENT, 8" - PAID FOR AS "TEMPORARY PAVEMENT"
  - 15 TEMPORARY AGGREGATE SHOULDER, 6" - PAID FOR AS "AGGREGATE SHOULDERS, TYPE B"
- PERMANENT CONSTRUCTION DURING STAGE (SEE STAGES OF CONSTRUCTION PLAN SHEETS)  
 TEMPORARY PAVEMENT WIDENING



QUENTIN ROAD - STAGE III  
STA 417+54.0 TO STA 447+00.0





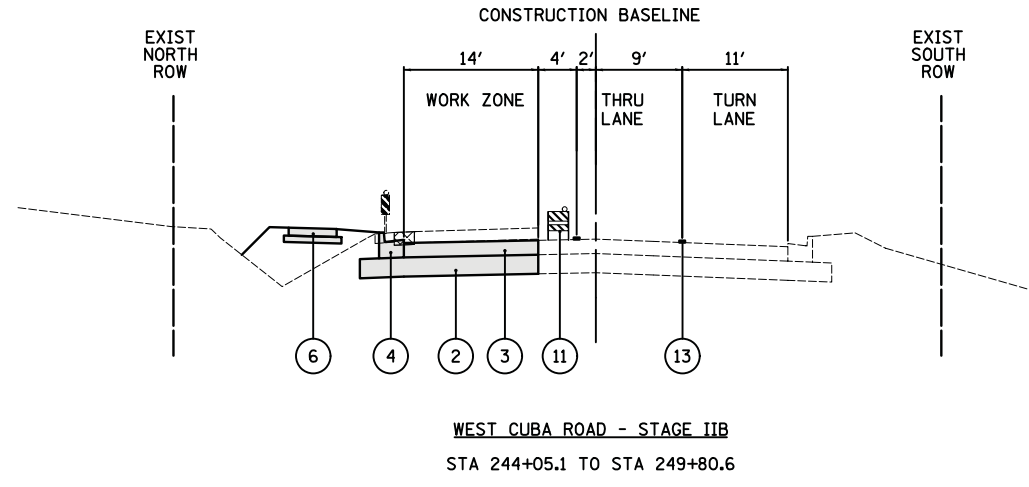
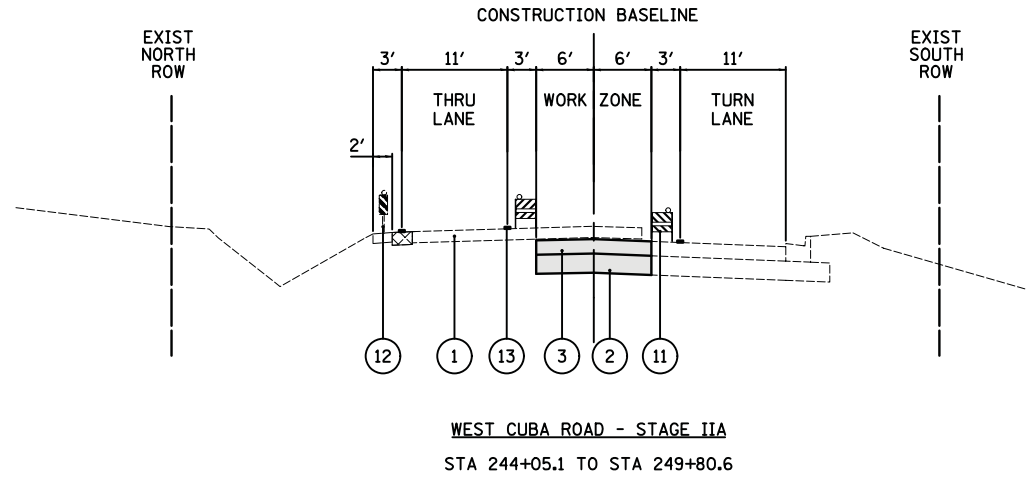
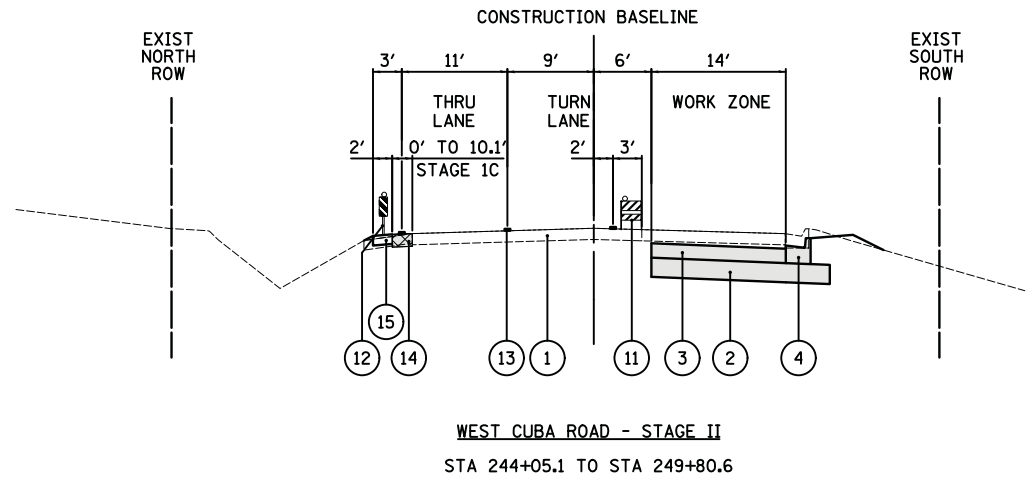
QUENTIN ROAD - STAGE III  
STA 447+00.0 TO STA 511+23.0

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TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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**PROPOSED LEGEND**



- ① EXISTING BITUMINOUS PAVEMENT
  - ② PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
  - ③ PROPOSED HOT-MIX ASPHALT BINDER COURSE
  - ④ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
  - ⑤ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  - ⑥ PROPOSED SIDEWALK
  - ⑦ PROPOSED BIKEPATH
  - ⑧ PAVEMENT REMOVAL
  - ⑨ COMBINATION CURB AND GUTTER REMOVAL
  - ⑩ GRAVEL SHOULDER REMOVAL - PAID FOR AS "EARTH EXCAVATION"
  - ⑪ TYPE II BARRICADE WITH STEADY-BURN LIGHT
  - ⑫ VERTICAL PANEL WITH STEADY-BURN LIGHT
  - ⑬ TEMPORARY PAVEMENT MARKING
  - ⑭ TEMPORARY PAVEMENT, 8" - PAID FOR AS "TEMPORARY PAVEMENT"
  - ⑮ TEMPORARY AGGREGATE SHOULDER, 6" - PAID FOR AS "AGGREGATE SHOULDERS, TYPE B"
-  PERMANENT CONSTRUCTION DURING STAGE (SEE STAGES OF CONSTRUCTION PLAN SHEETS)  
 TEMPORARY PAVEMENT WIDENING

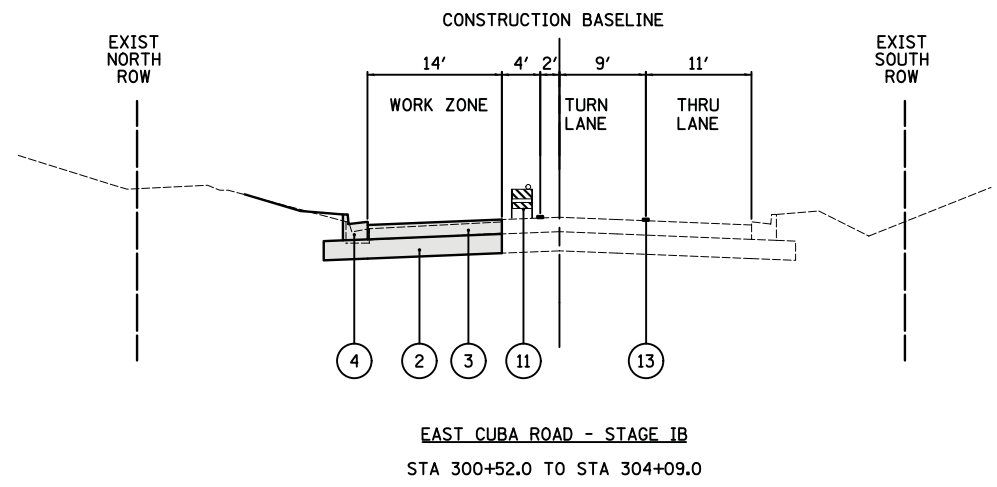
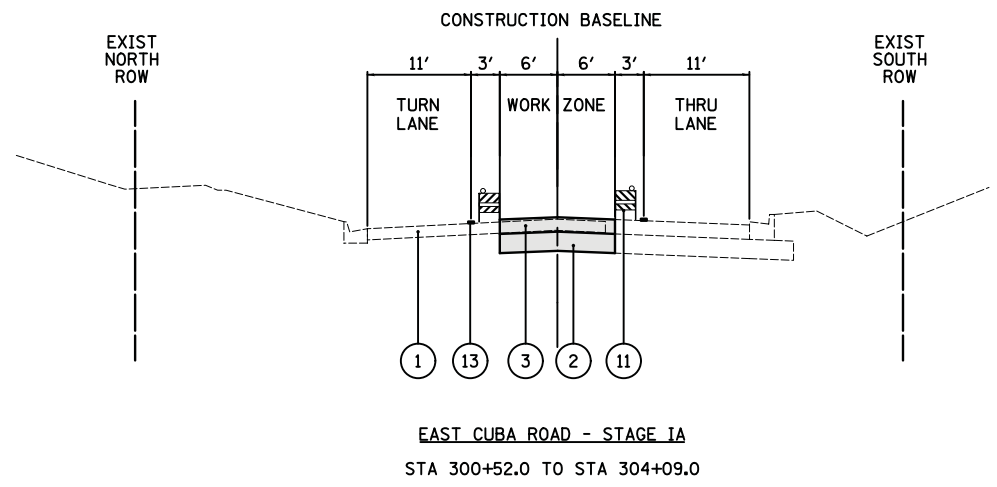
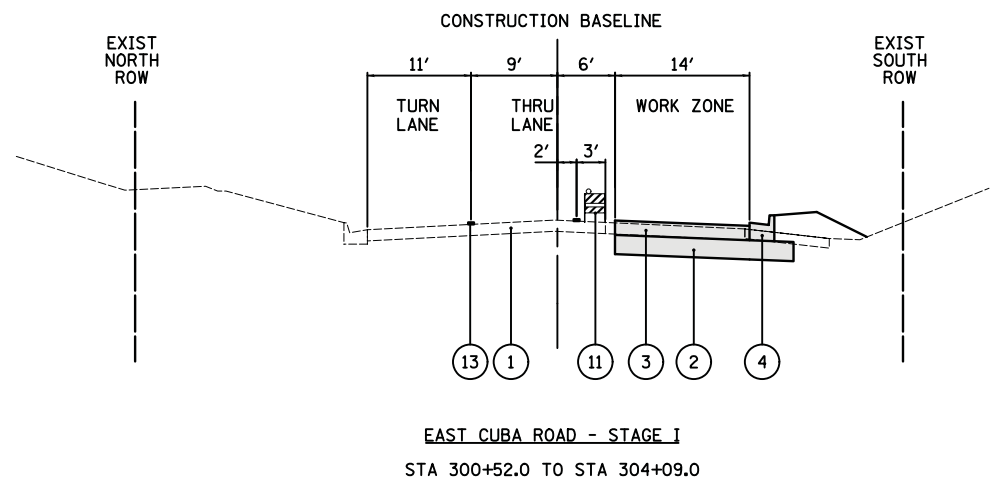


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NOTE BOOK	
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**PROPOSED LEGEND**

- ① EXISTING BITUMINOUS PAVEMENT
  - ② PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
  - ③ PROPOSED HOT-MIX ASPHALT BINDER COURSE
  - ④ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
  - ⑤ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  - ⑥ PROPOSED SIDEWALK
  - ⑦ PROPOSED BIKEPATH
  - ⑧ PAVEMENT REMOVAL
  - ⑨ COMBINATION CURB AND GUTTER REMOVAL
  - ⑩ GRAVEL SHOULDER REMOVAL - PAID FOR AS "EARTH EXCAVATION"
  - ⑪ TYPE II BARRICADE WITH STEADY-BURN LIGHT
  - ⑫ VERTICAL PANEL WITH STEADY-BURN LIGHT
  - ⑬ TEMPORARY PAVEMENT MARKING
  - ⑭ TEMPORARY PAVEMENT, 8" - PAID FOR AS "TEMPORARY PAVEMENT"
  - ⑮ TEMPORARY AGGREGATE SHOULDER, 6" - PAID FOR AS "AGGREGATE SHOULDERS, TYPE B"
-  PERMANENT CONSTRUCTION DURING STAGE (SEE STAGES OF CONSTRUCTION PLAN SHEETS)  
 TEMPORARY PAVEMENT WIDENING

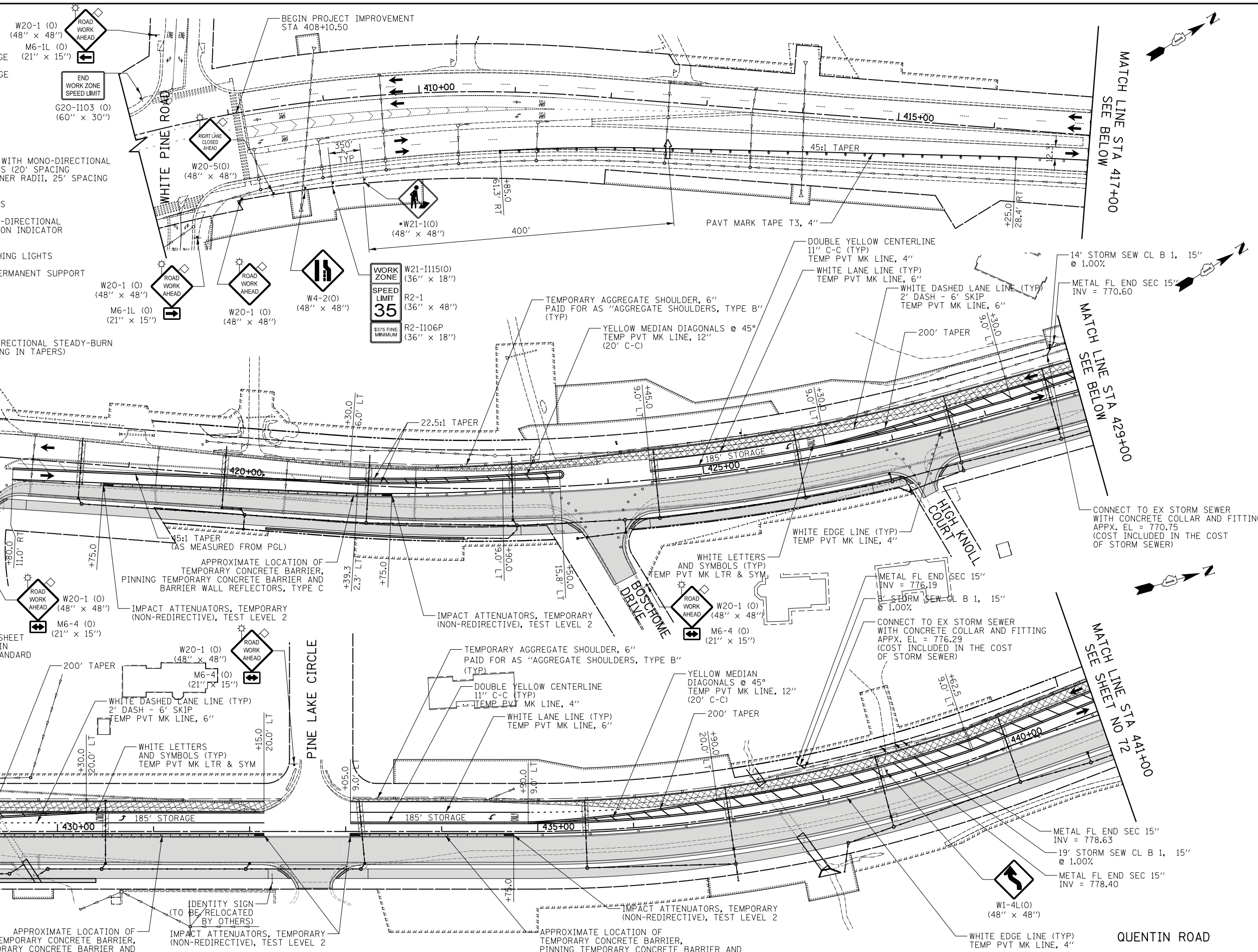


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TEMPLATE	
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**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)



**NOTES:**

ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.5 OF THE "STANDARD SPECIFICATIONS", EXCEPT AS SHOWN.

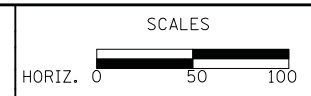
PATCHING WILL MEET THE SPECIFICATIONS OF, AND BE PAID FOR AS "CLASS D PATCHES"

- TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN 1 HOUR

Two Pierce Place, Suite 1400  
Itasca, Illinois 60143  
Tel: 630.773.3900 Fax: 630.773.3975  
www.civiltechinc.com

DESIGNED - PK	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 3/12/2018	REVISED -

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



**STAGES OF CONSTRUCTION - STAGE I**

SHEET NO. 1 OF 5 SHEETS STA. 417+00 TO STA. 441+00

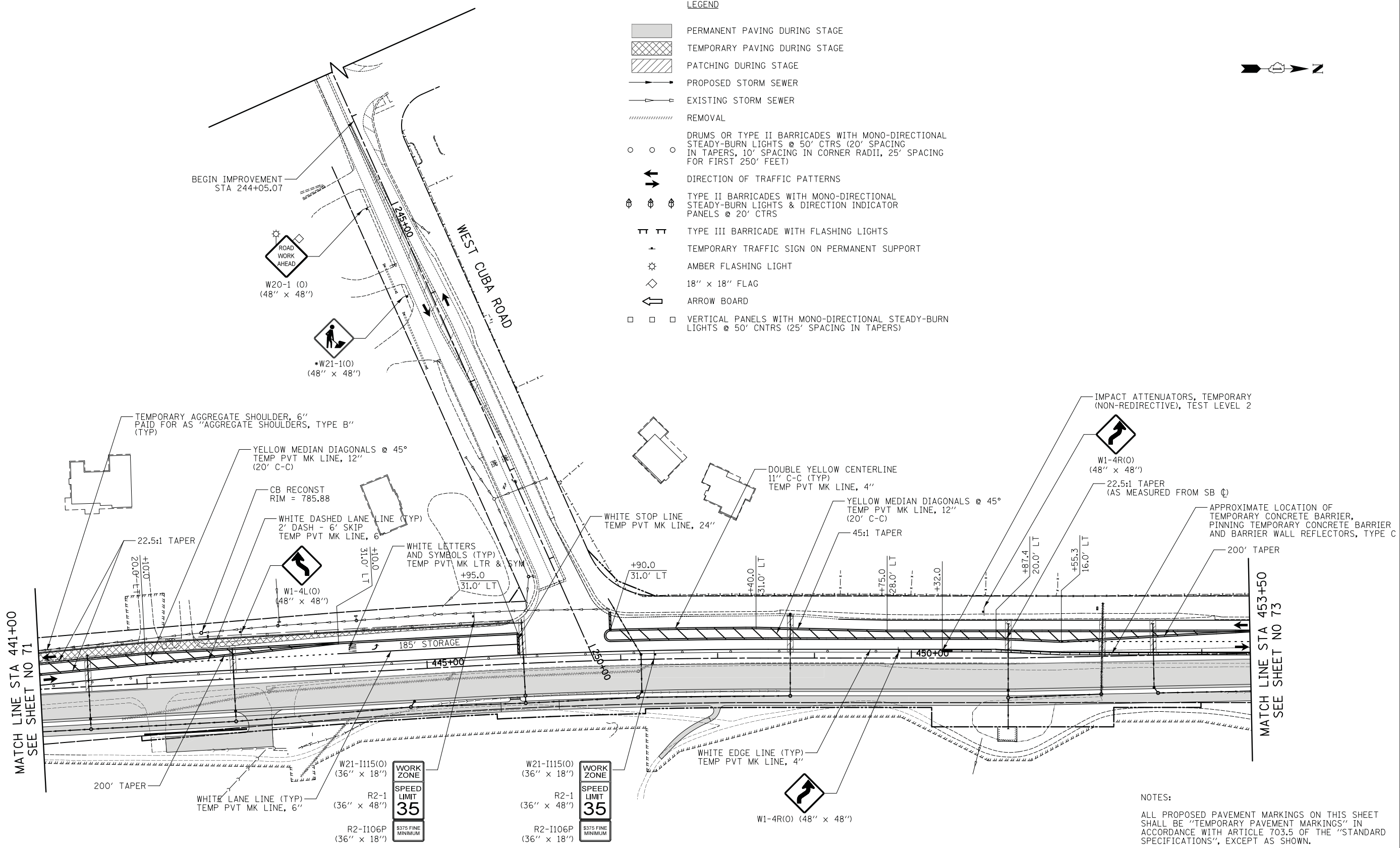
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	71
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY	
NOTE BOOK	
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LEGEND

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)



NOTES:

ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.5 OF THE "STANDARD SPECIFICATIONS", EXCEPT AS SHOWN.

PATCHING WILL MEET THE SPECIFICATIONS OF, AND BE PAID FOR AS, "CLASS D PATCHES"

- \* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN 1 HOUR

QUENTIN ROAD

**CIVILTECH**  
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DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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**STAGES OF CONSTRUCTION - STAGE I**

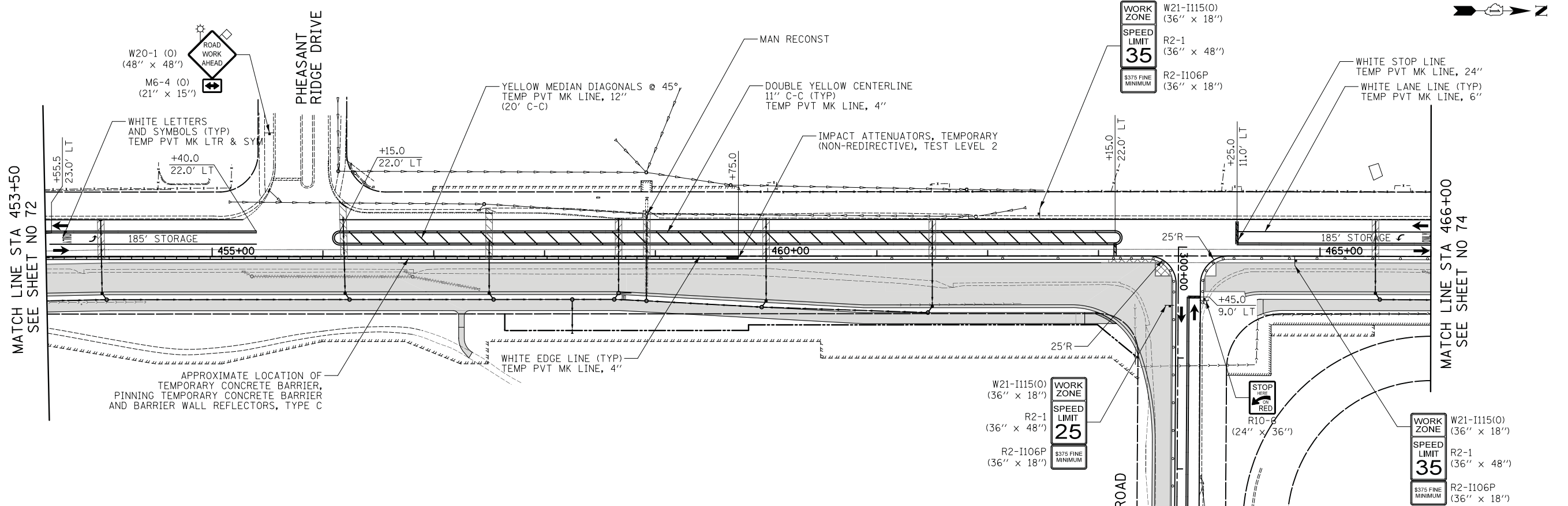
SHEET NO. 2 OF 5 SHEETS STA. 441+00 TO STA. 453+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	72
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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NOTE BOOK	AREAS CHECKED
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SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
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**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)

**NOTES:**

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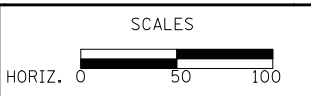
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CHECKED - RTM	REVISED -
DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**STAGES OF CONSTRUCTION - STAGE I**

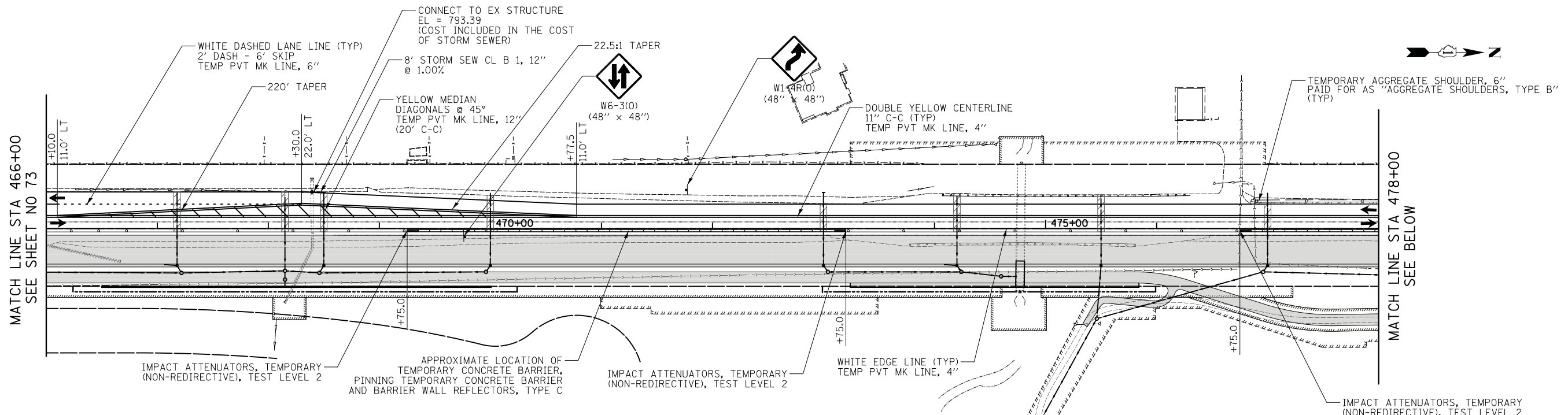
SHEET NO. 3 OF 5 SHEETS STA. 453+50 TO STA. 466+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

QUENTIN ROAD

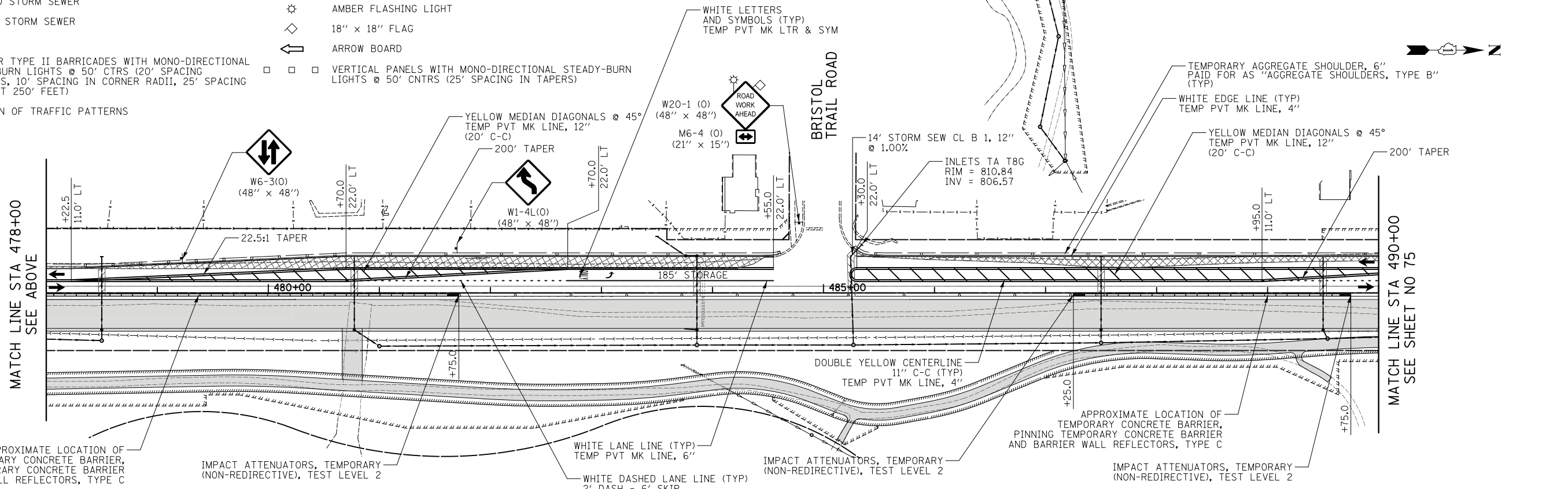
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**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)



**NOTES:**  
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 PATCHING WILL MEET THE SPECIFICATIONS OF, AND BE PAID FOR AS "CLASS D PATCHES"

QUENTIN ROAD

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CHECKED - RTM	REVISED -
DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



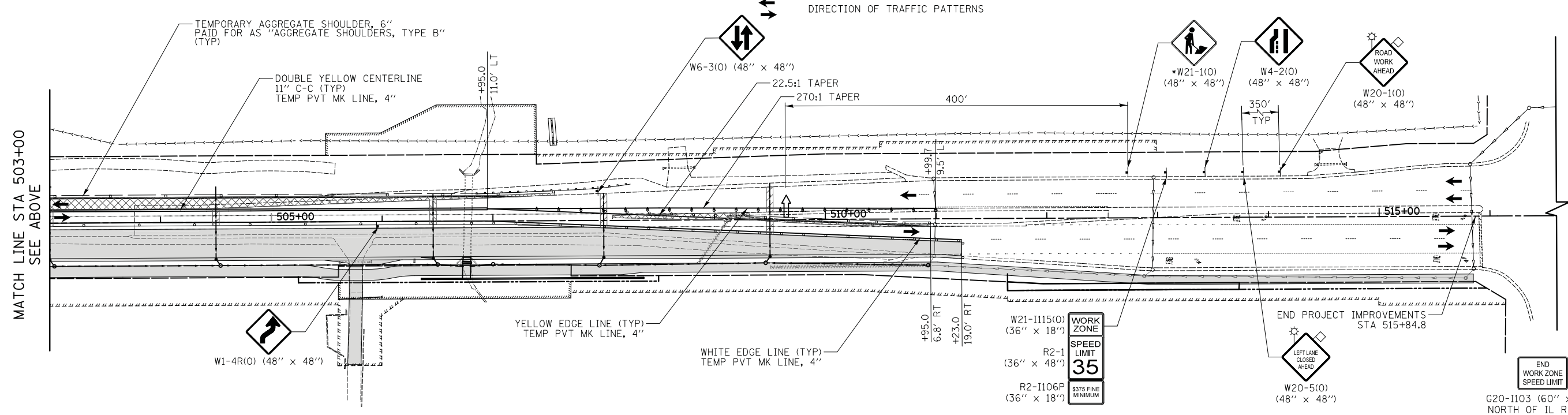
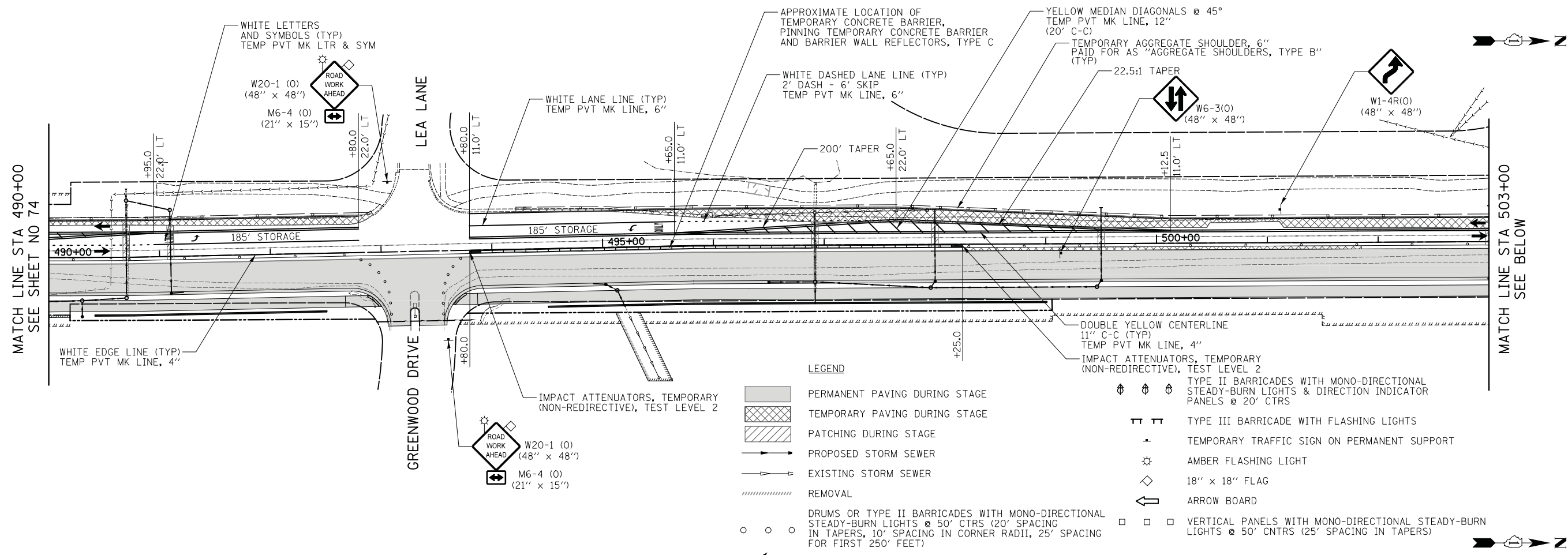
**STAGES OF CONSTRUCTION - STAGE I**

SHEET NO. 4 OF 5 SHEETS STA. 466+00 TO STA. 490+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	74
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



**NOTES:**

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PATCHING WILL MEET THE SPECIFICATIONS OF, AND BE PAID FOR AS "CLASS D PATCHES"

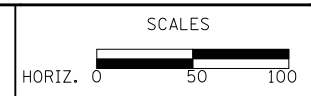
\* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN 1 HOUR

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DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**STAGES OF CONSTRUCTION - STAGE I**

SHEET NO. 5 OF 5 SHEETS STA. 490+00 TO STA. 516+00

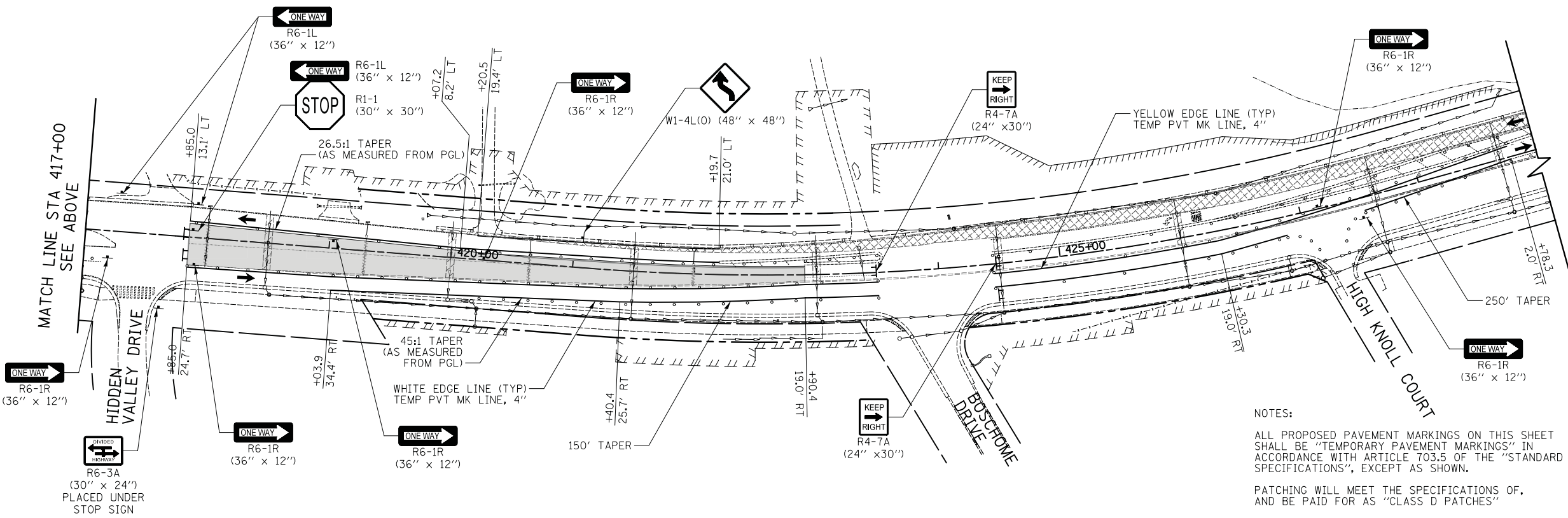
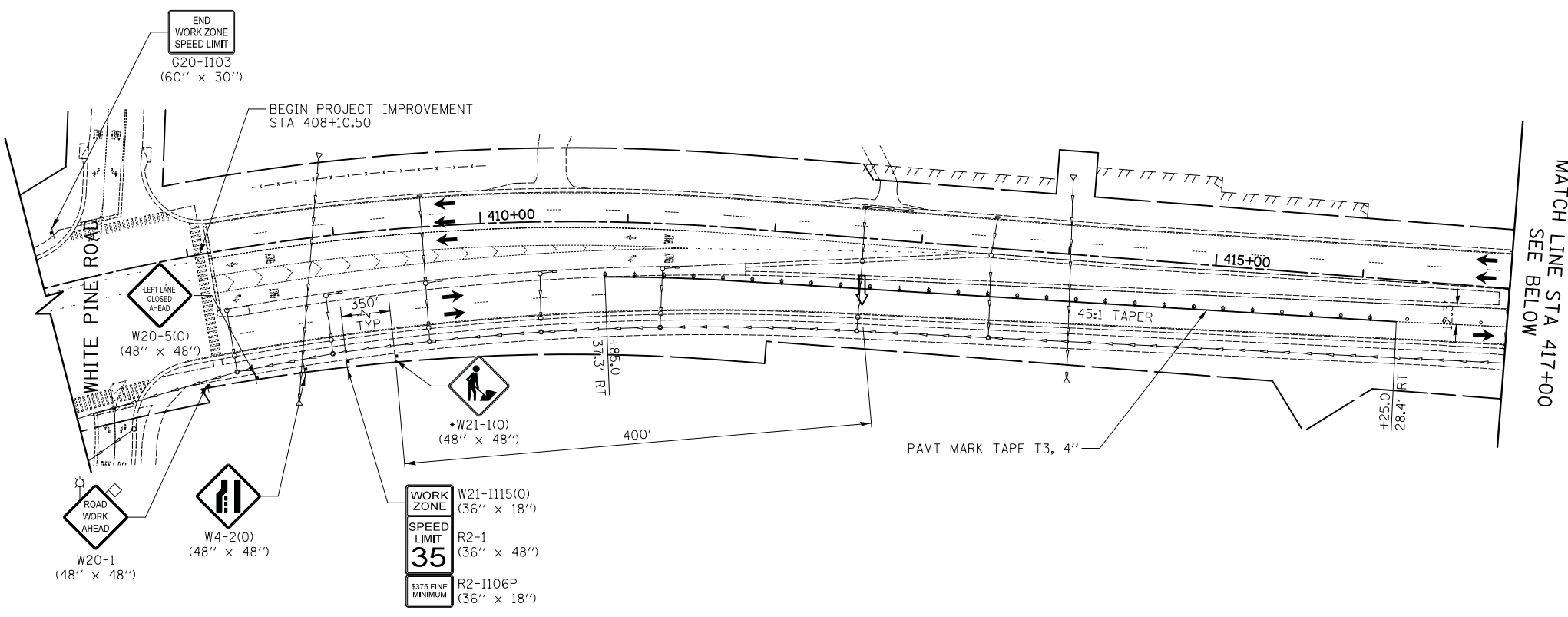
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	75
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)

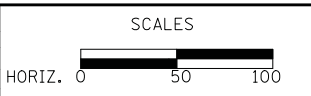


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DATE - 11/13/2017	REVISED -

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



**STAGES OF CONSTRUCTION - STAGE IA**  
 SHEET NO. 1 OF 3 SHEETS STA. 417+00 TO STA. 429+00

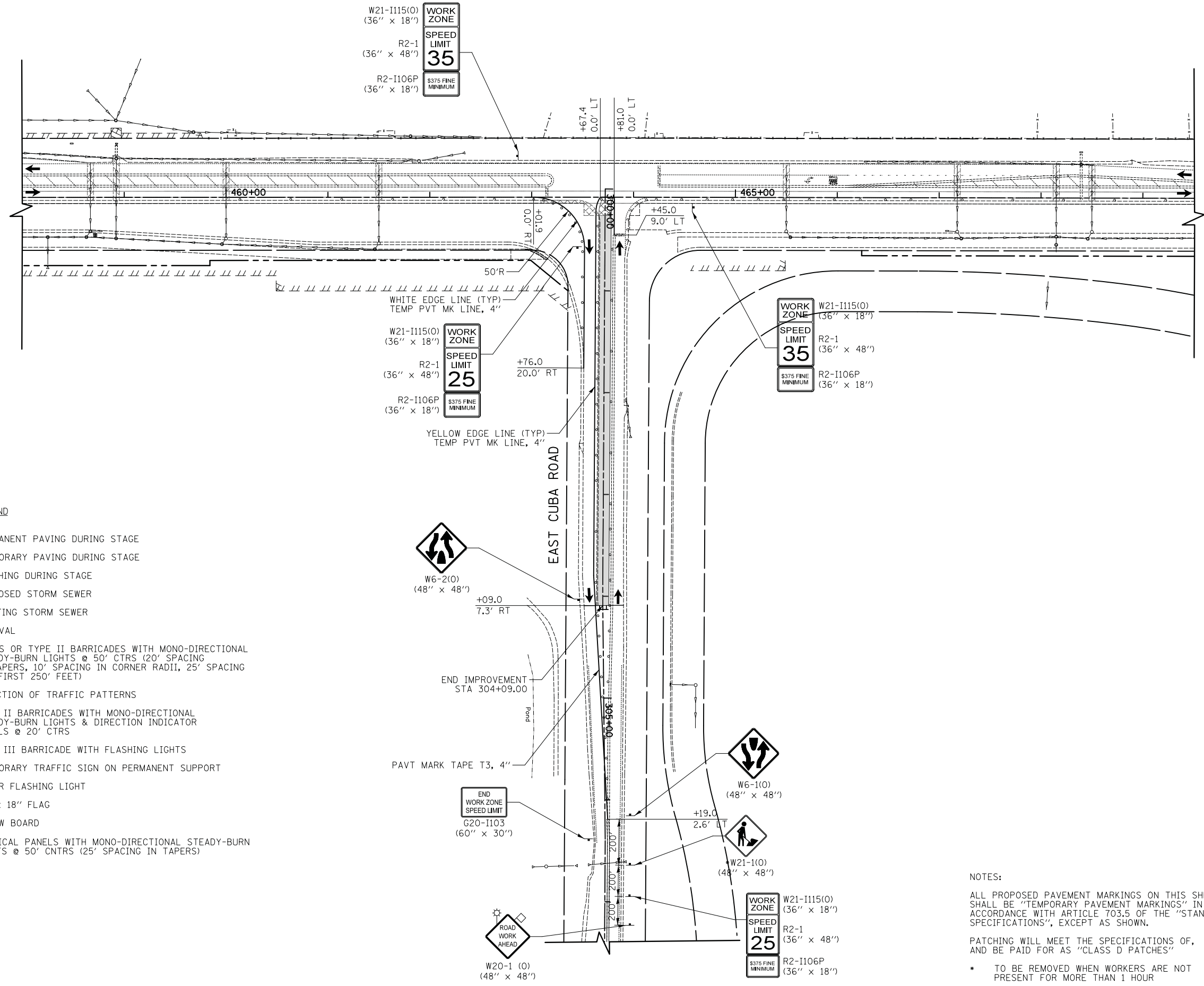
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	76
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

QUENTIN ROAD



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)

**NOTES:**

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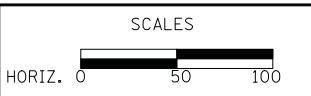
- TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN 1 HOUR

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DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



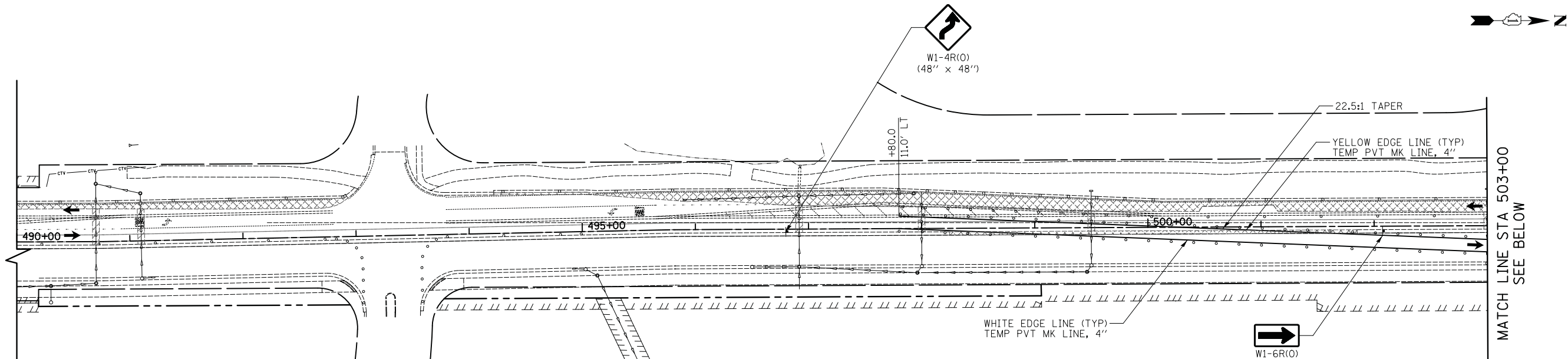
**STAGES OF CONSTRUCTION - STAGE IA**

SHEET NO. 2 OF 3 SHEETS STA. 458+00 TO STA. 469+50

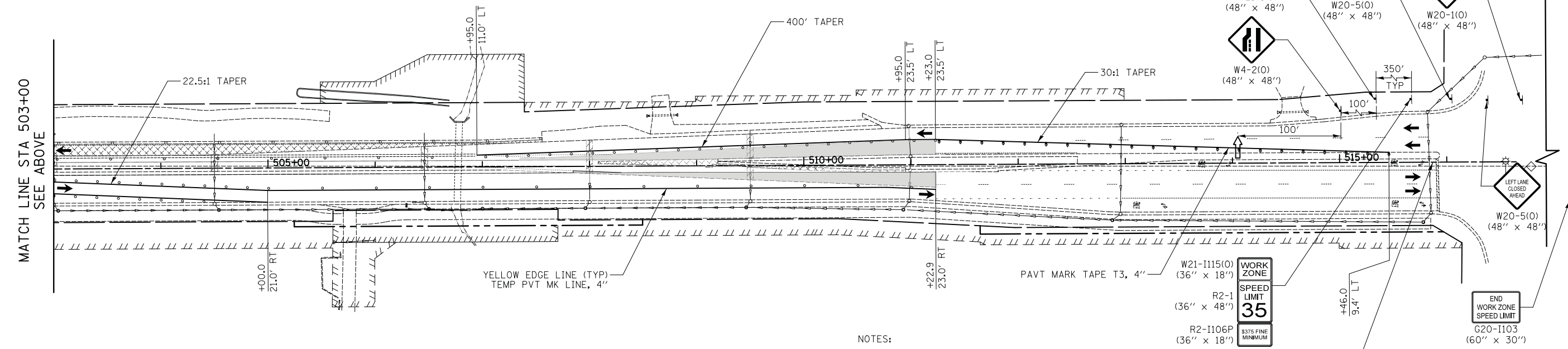
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	77
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	



- LEGEND**
- PERMANENT PAVING DURING STAGE
  - TEMPORARY PAVING DURING STAGE
  - PATCHING DURING STAGE
  - PROPOSED STORM SEWER
  - EXISTING STORM SEWER
  - REMOVAL
  - DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
  - DIRECTION OF TRAFFIC PATTERNS
  - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
  - TYPE III BARRICADE WITH FLASHING LIGHTS
  - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
  - AMBER FLASHING LIGHT
  - 18" x 18" FLAG
  - ARROW BOARD
  - VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)



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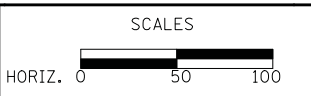
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DATE - 11/13/2017	REVISED -

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



**STAGES OF CONSTRUCTION - STAGE IA**

SHEET NO. 3 OF 3 SHEETS STA. 453+50 TO STA. 466+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	78
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

QUENTIN ROAD



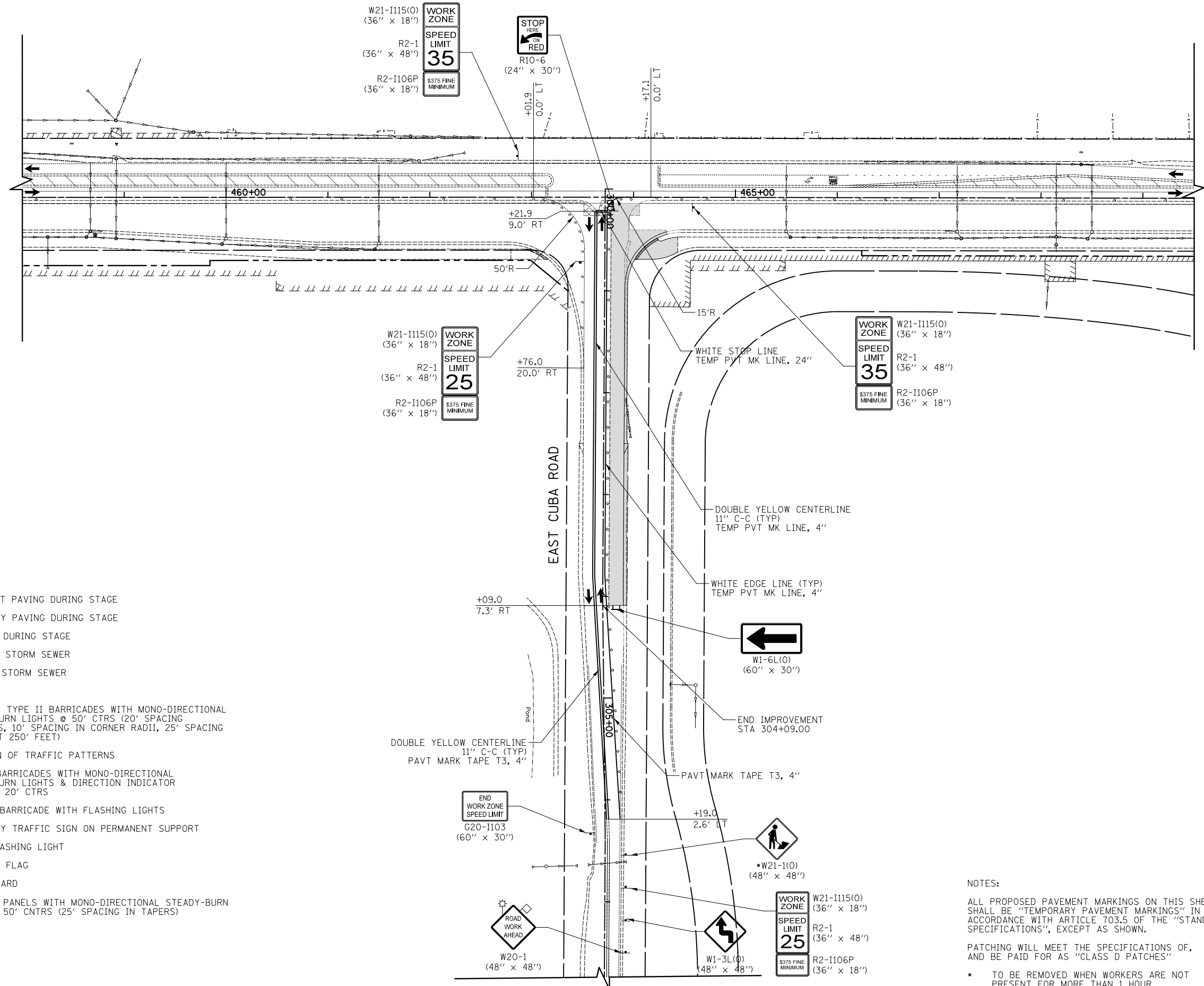
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	
NOTE BOOK	
NO.	

**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)



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DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALES  
 HORIZ. 0 50 100

**STAGES OF CONSTRUCTION - STAGE IB**
















SHEET NO. 1 OF 1 SHEETS STA. 458+00 TO STA. 469+50

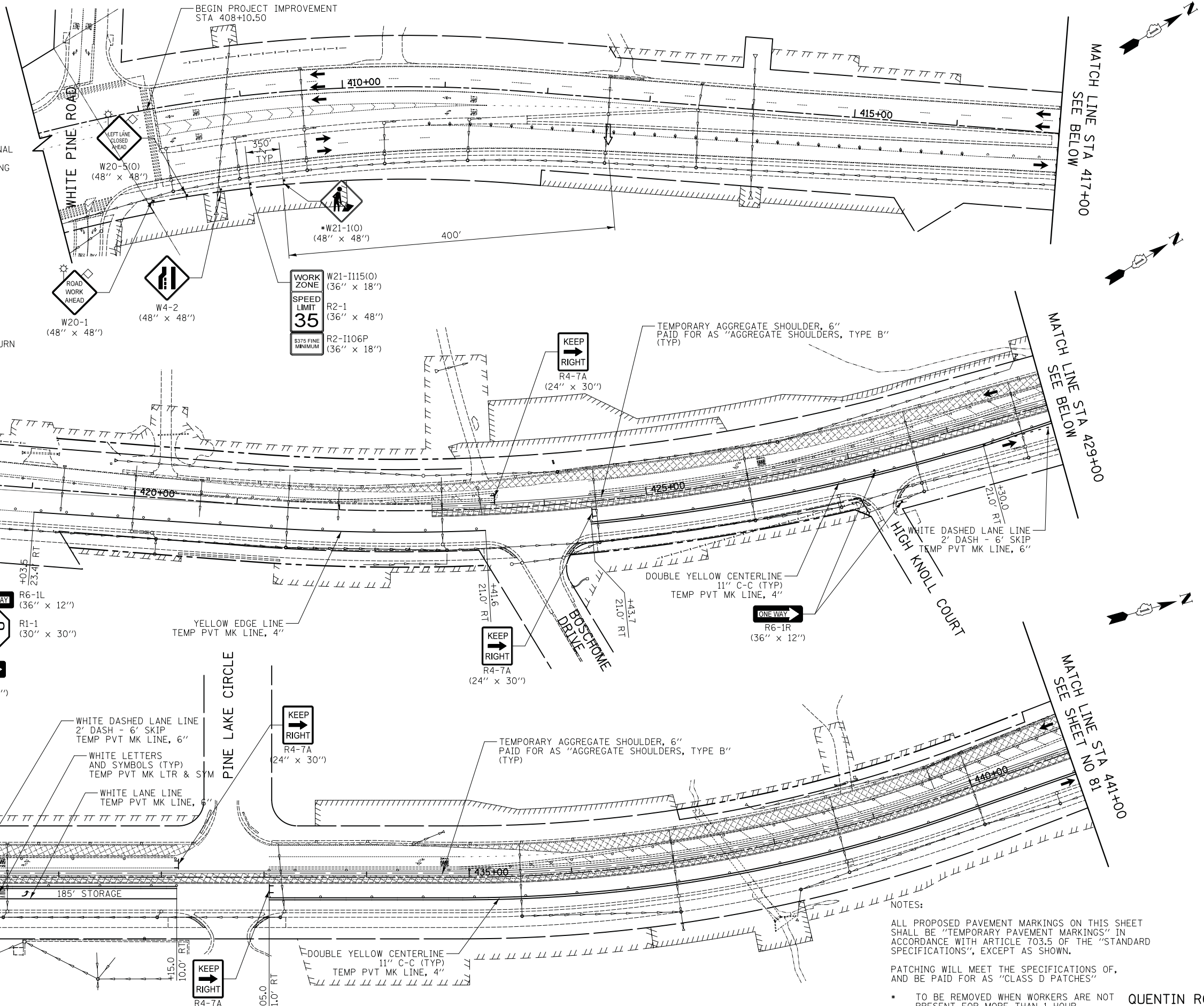
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	79
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

**LEGEND**

-  PERMANENT PAVING DURING STAGE
-  TEMPORARY PAVING DURING STAGE
-  PATCHING DURING STAGE
-  PROPOSED STORM SEWER
-  EXISTING STORM SEWER
-  REMOVAL
-  DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
-  DIRECTION OF TRAFFIC PATTERNS
-  TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
-  AMBER FLASHING LIGHT
-  18" x 18" FLAG
-  ARROW BOARD
-  VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)

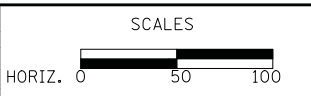


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DRAWN - JRR	REVISED -
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DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**STAGES OF CONSTRUCTION - STAGE IC**

SHEET NO. 1 OF 5 SHEETS STA. 417+00 TO STA. 441+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	80
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

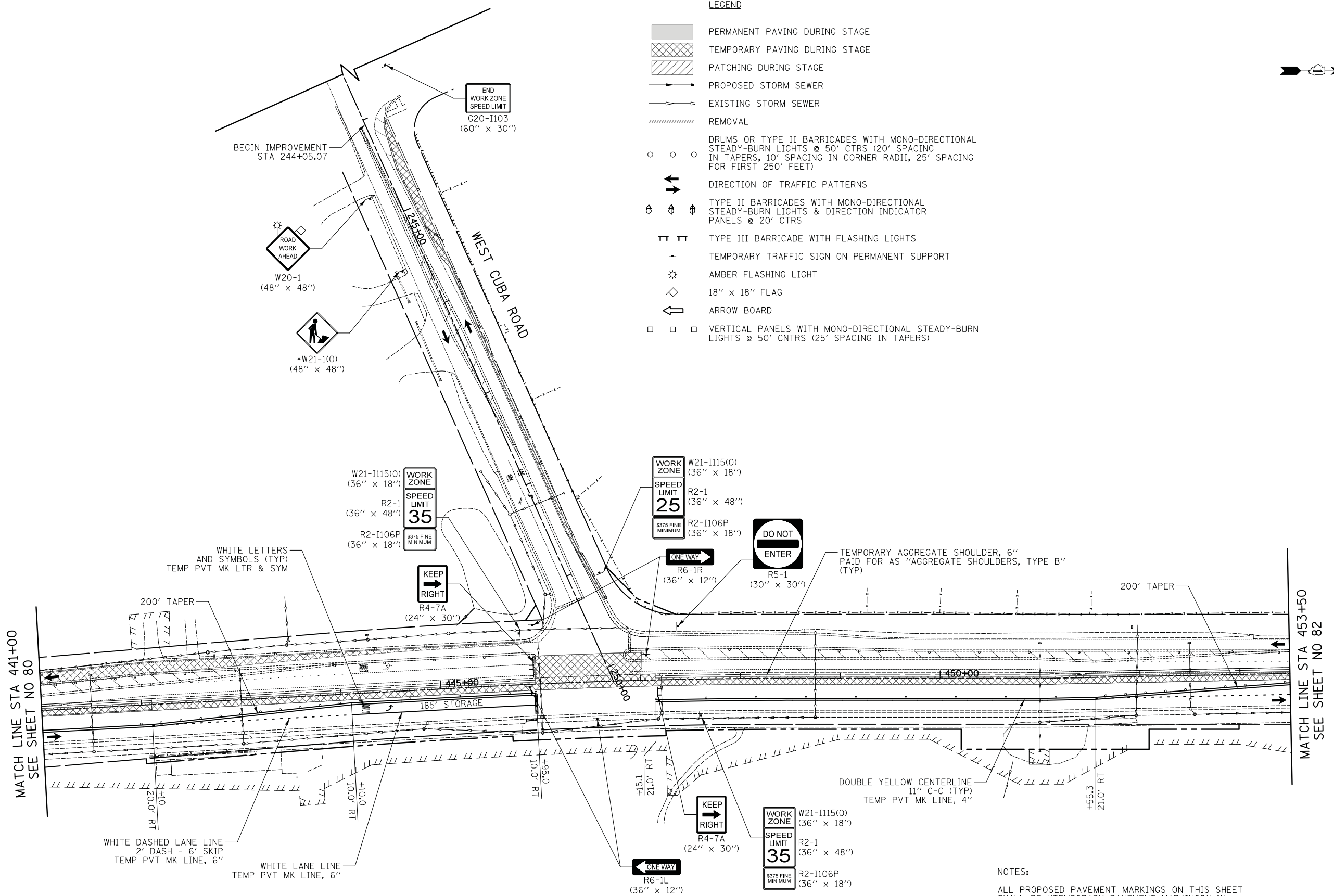


DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

LEGEND

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)



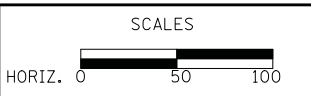
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**STATE OF ILLINOIS  
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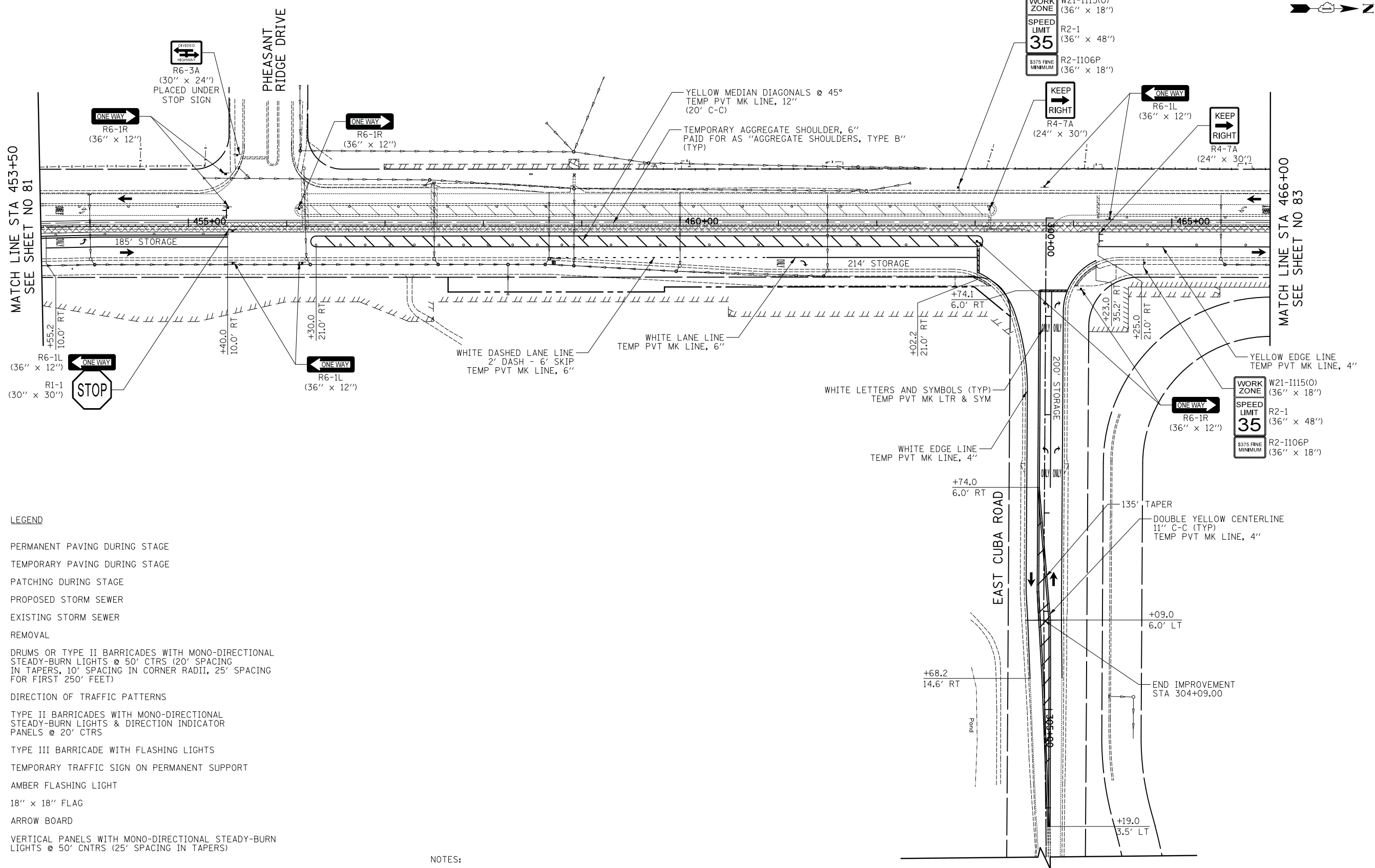
**STAGES OF CONSTRUCTION - STAGE IC**

SHEET NO. 2 OF 5 SHEETS	STA. 441+00 TO STA. 453+50
-------------------------	----------------------------

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	81
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)

**NOTES:**

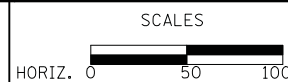
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DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**STAGES OF CONSTRUCTION - STAGE IC**

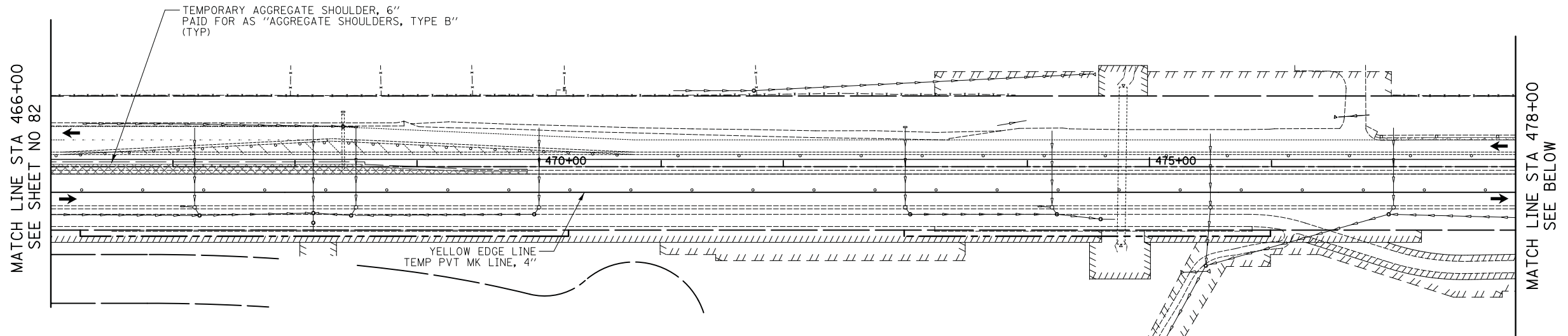
SHEET NO. 3 OF 5 SHEETS STA. 453+50 TO STA. 466+00

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	82
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

QUENTIN ROAD

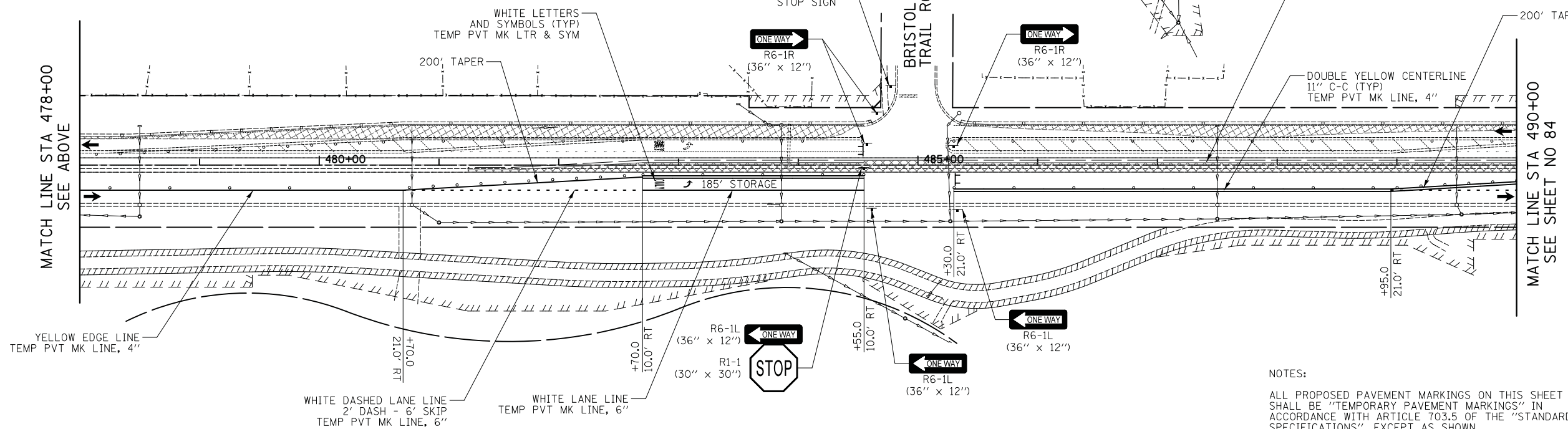
DATE	BY
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	BY
ORIGINAL	
SURVEY	
NOTE	
BOOK	
AREAS	
CHECKED	
NO.	



**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)

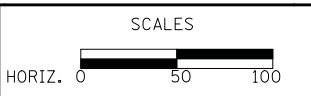


NOTES:  
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 PATCHING WILL MEET THE SPECIFICATIONS OF, AND BE PAID FOR AS "CLASS D PATCHES"

**CIVILTECH**  
 Two Pierce Place, Suite 1400  
 Itasca, Illinois 60143  
 Tel: 630.773.3900 Fax: 630.773.3975  
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DESIGNED - PK	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 11/13/2017	REVISED -

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

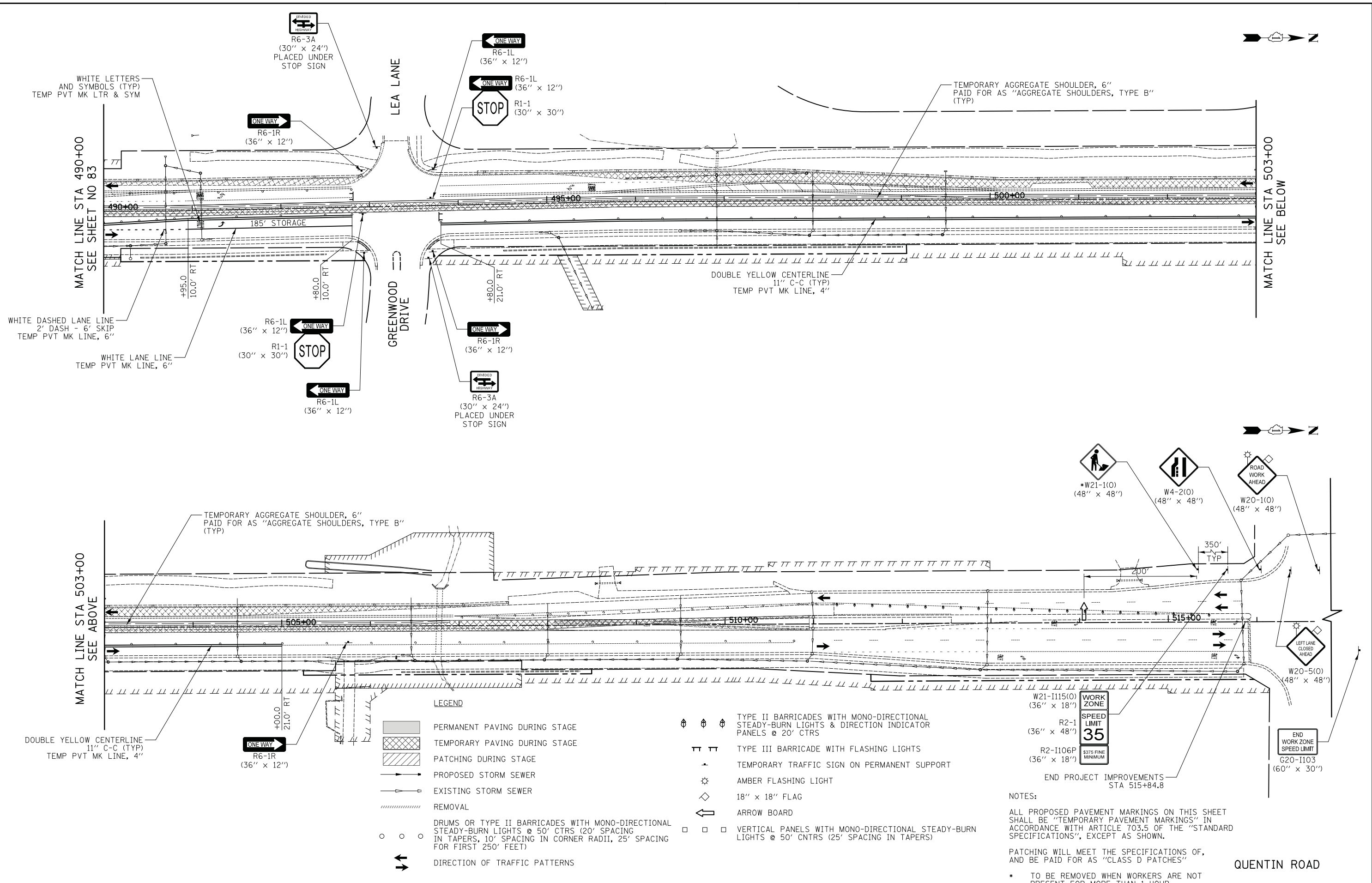


**STAGES OF CONSTRUCTION - STAGE IC**  
 SHEET NO. 4 OF 5 SHEETS STA. 466+00 TO STA. 490+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	83
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



**LEGEND**

	PERMANENT PAVING DURING STAGE
	TEMPORARY PAVING DURING STAGE
	PATCHING DURING STAGE
	PROPOSED STORM SEWER
	EXISTING STORM SEWER
	REMOVAL
	DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
	DIRECTION OF TRAFFIC PATTERNS

	TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
	TYPE III BARRICADE WITH FLASHING LIGHTS
	TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
	AMBER FLASHING LIGHT
	18" x 18" FLAG
	ARROW BOARD
	VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)

**WORK ZONE**

W21-1115(O) (36" x 18")

R2-1 (36" x 48")

R2-1106P (36" x 18")

35

375 FINE MINIMUM

END PROJECT IMPROVEMENTS STA 515+84.8

END WORK ZONE SPEED LIMIT G20-1103 (60" x 30")

**NOTES:**

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\* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN 1 HOUR

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DATE - 11/13/2017	REVISED -

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


















**STAGES OF CONSTRUCTION - STAGE IC**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	84
CONTRACT NO. 61E22				

SHEET NO. 5 OF 5 SHEETS STA. 490+00 TO STA. 516+00

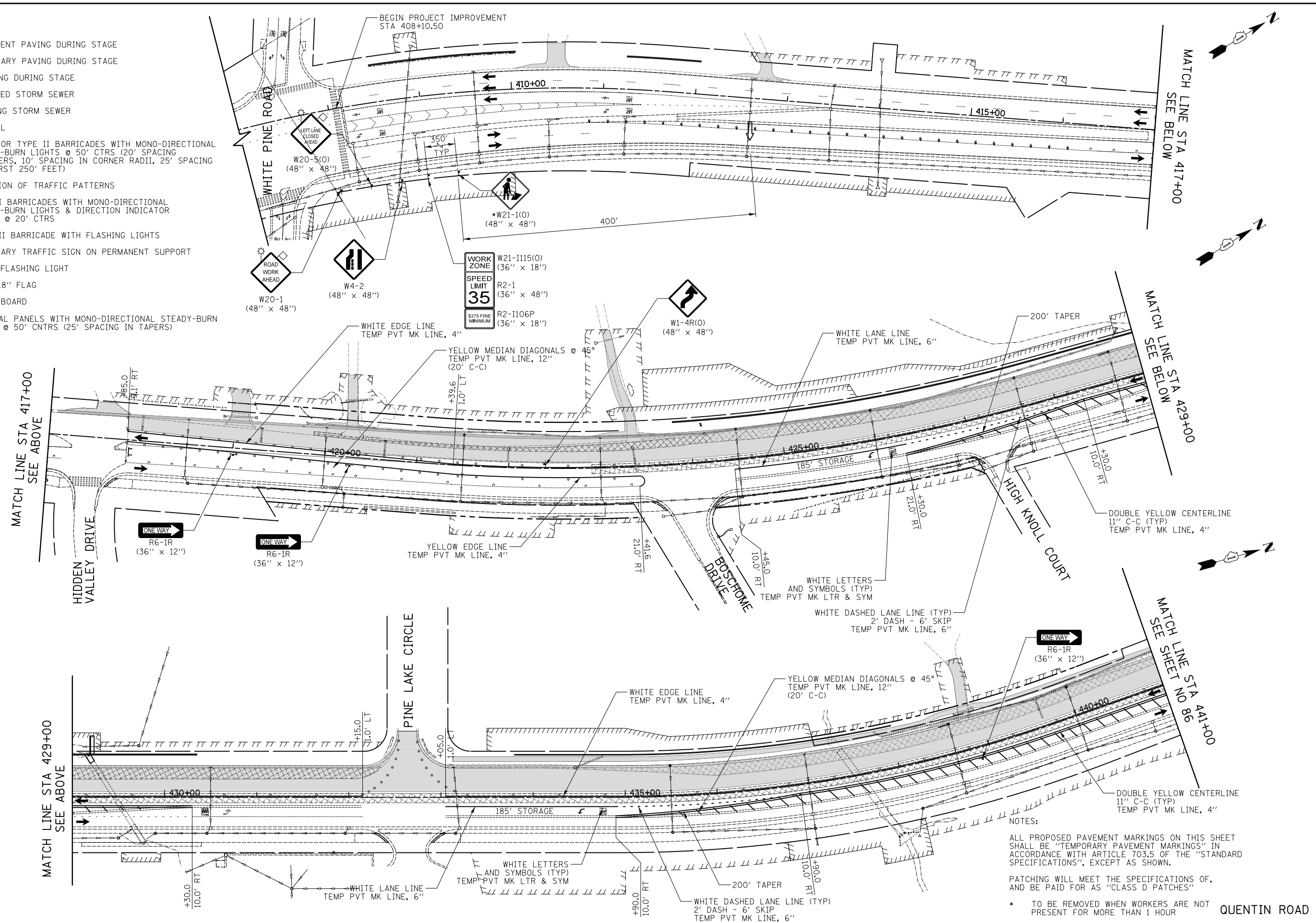
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT
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**LEGEND**

-  PERMANENT PAVING DURING STAGE
-  TEMPORARY PAVING DURING STAGE
-  PATCHING DURING STAGE
-  PROPOSED STORM SEWER
-  EXISTING STORM SEWER
-  REMOVAL
-  DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
-  DIRECTION OF TRAFFIC PATTERNS
-  TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
-  AMBER FLASHING LIGHT
-  18" x 18" FLAG
-  ARROW BOARD
-  VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



**NOTES:**

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PATCHING WILL MEET THE SPECIFICATIONS OF, AND BE PAID FOR AS "CLASS D PATCHES"

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DATE - 3/12/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**STAGES OF CONSTRUCTION - STAGE II**

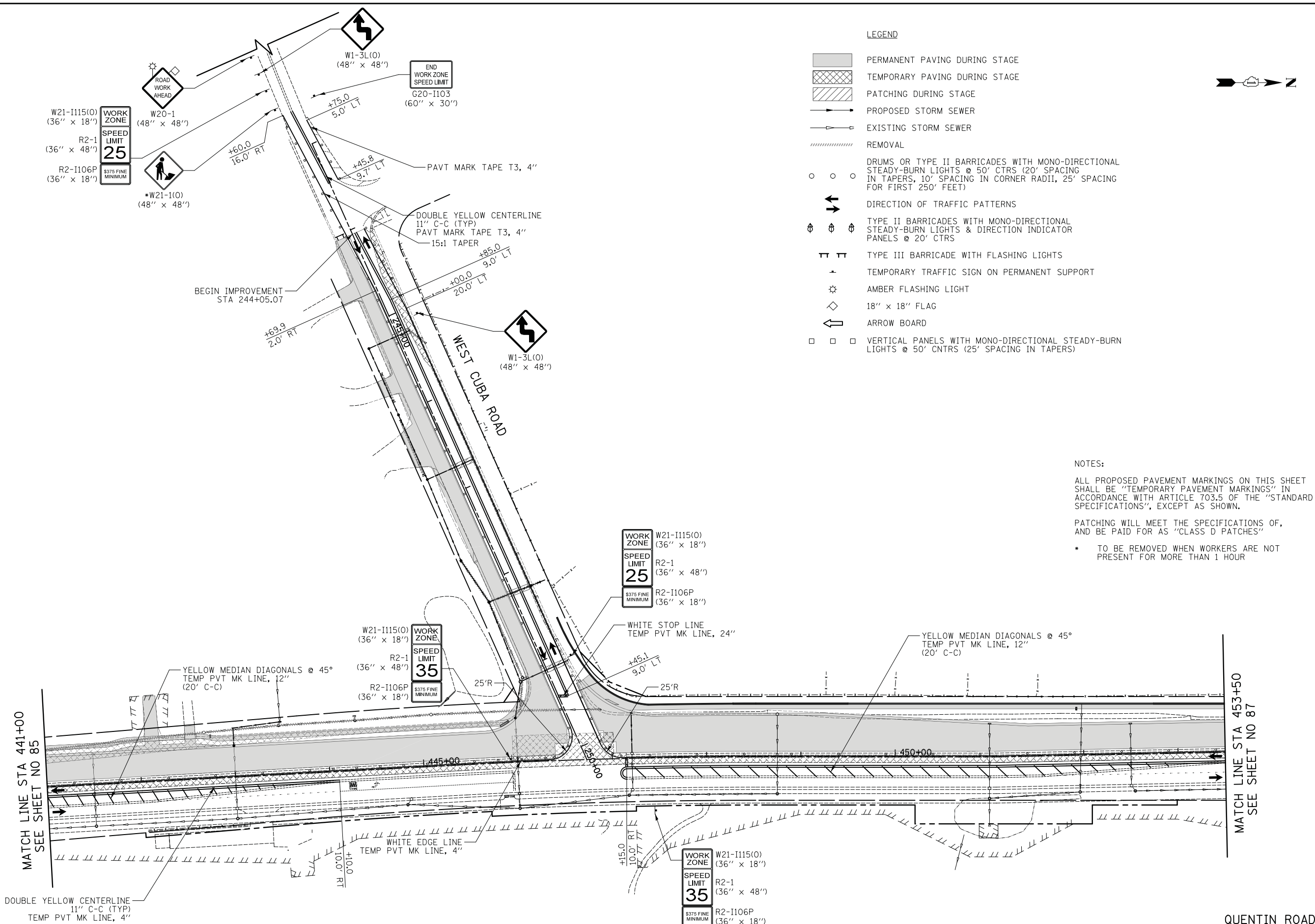
SHEET NO. 1 OF 5 SHEETS    STA. 417+00 TO STA. 441+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	85
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**QUENTIN ROAD**

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

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



**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)

**NOTES:**

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DATE - 3/12/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**STAGES OF CONSTRUCTION - STAGE II**

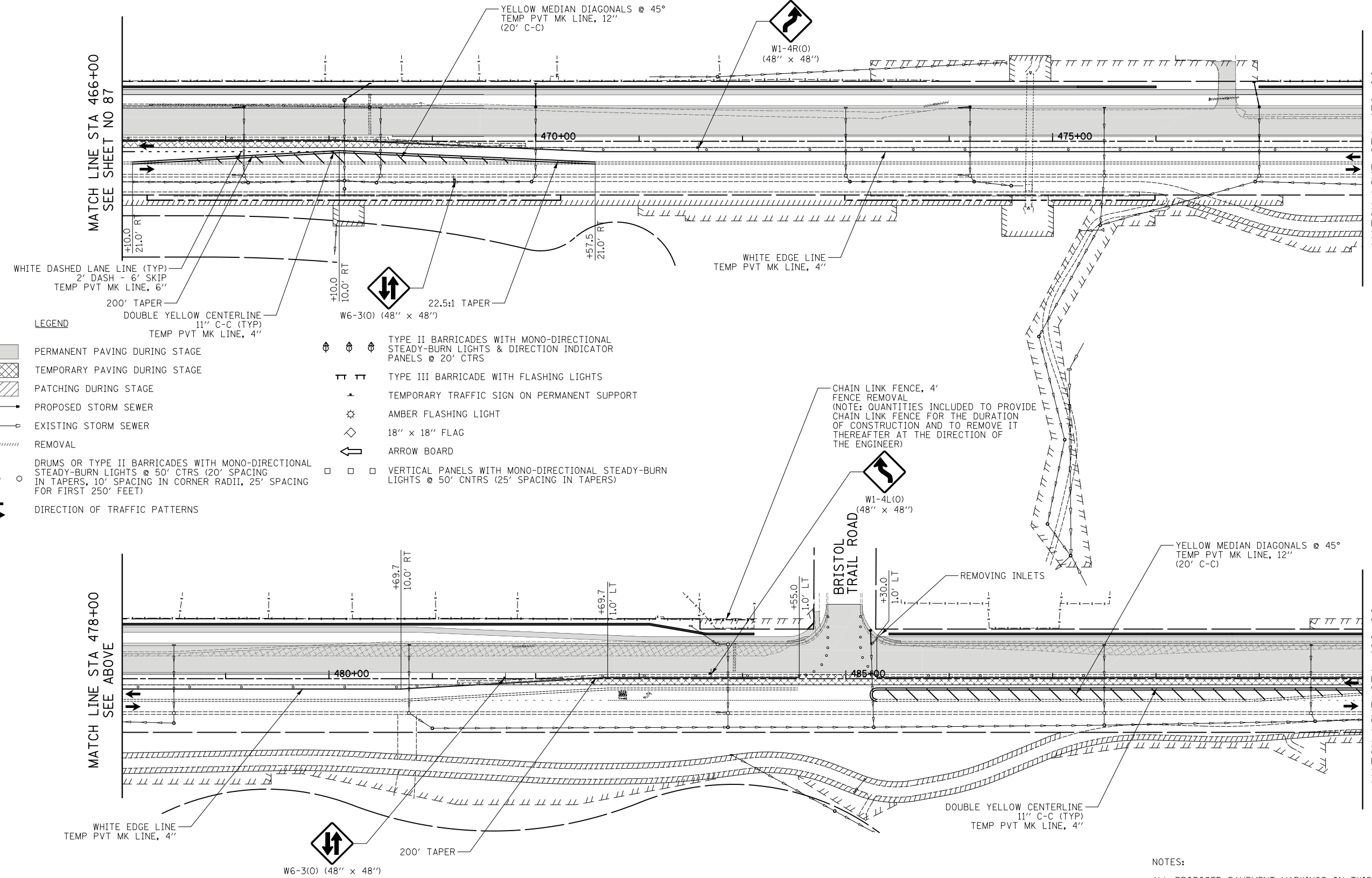
SHEET NO. 2 OF 5 SHEETS STA. 441+00 TO STA. 453+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	86
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)

**NOTES:**  
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 PATCHING WILL MEET THE SPECIFICATIONS OF, QUENTIN ROAD AND BE PAID FOR AS "CLASS D PATCHES"

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**STAGES OF CONSTRUCTION - STAGE II**

SHEET NO. 4 OF 5 SHEETS STA. 466+00 TO STA. 490+00

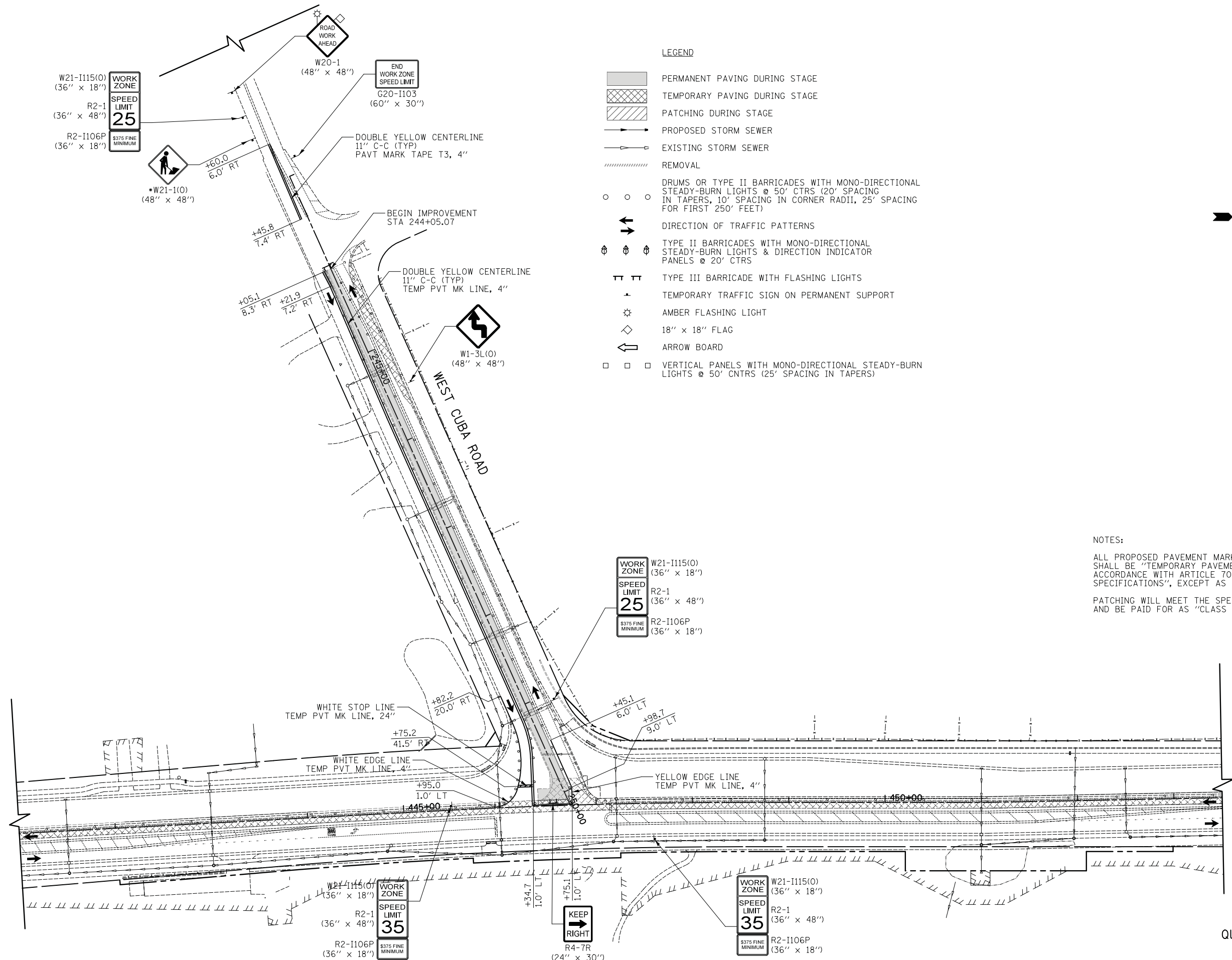
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	88
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)



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DATE - 3/12/2018	REVISED -

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

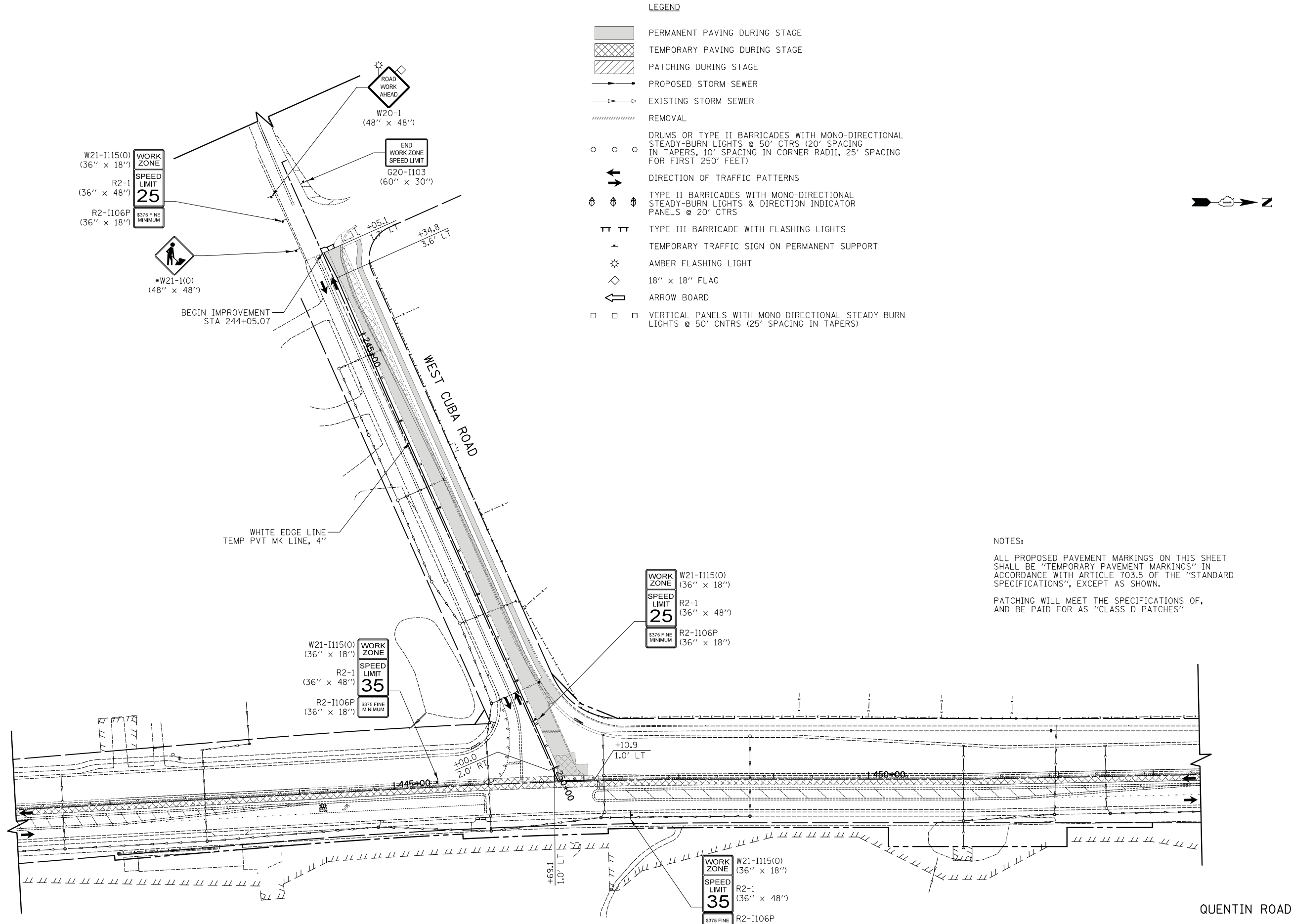


**STAGES OF CONSTRUCTION - STAGE IIA**  
 SHEET NO. 1 OF 1 SHEETS STA. 441+00 TO STA. 453+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	90
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINISH	
NO. 1	

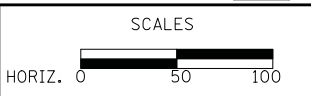
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINISH	
NO. 1	



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DRAWN - JRR	REVISED -
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DATE - 3/12/2018	REVISED -

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



**STAGES OF CONSTRUCTION - STAGE IIB**

SHEET NO. 1 OF 1 SHEETS STA. 441+00 TO STA. 453+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	91
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)

END WORK ZONE SPEED LIMIT  
G20-I103  
(60" x 30")

BEGIN PROJECT IMPROVEMENT  
STA 408+10.50

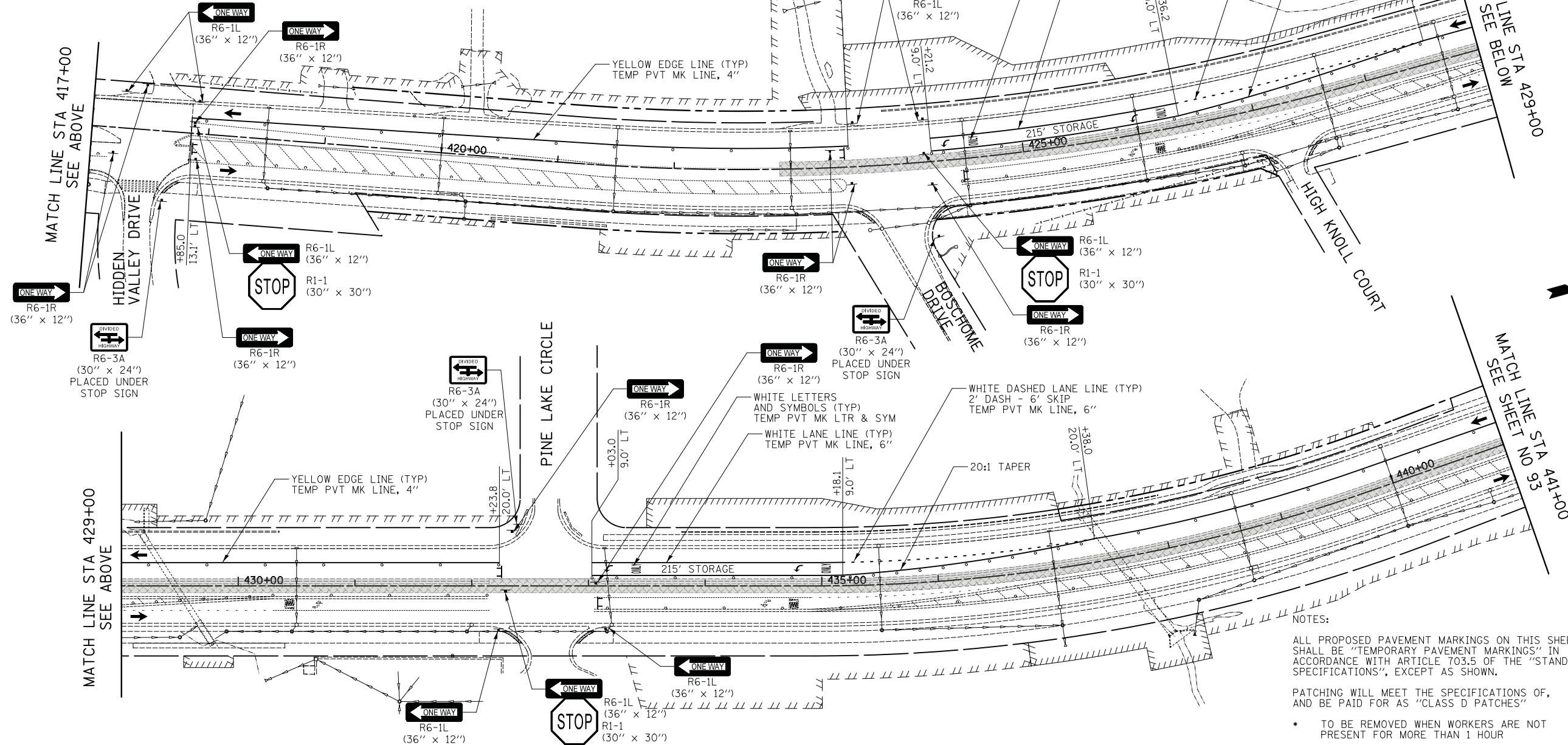
MATCH LINE STA 417+00  
SEE ABOVE

MATCH LINE STA 429+00  
SEE ABOVE

MATCH LINE STA 417+00  
SEE BELOW

MATCH LINE STA 429+00  
SEE BELOW

MATCH LINE STA 441+00  
SEE SHEET NO. 63



NOTES:  
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**STATE OF ILLINOIS  
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**STAGES OF CONSTRUCTION - STAGE III**

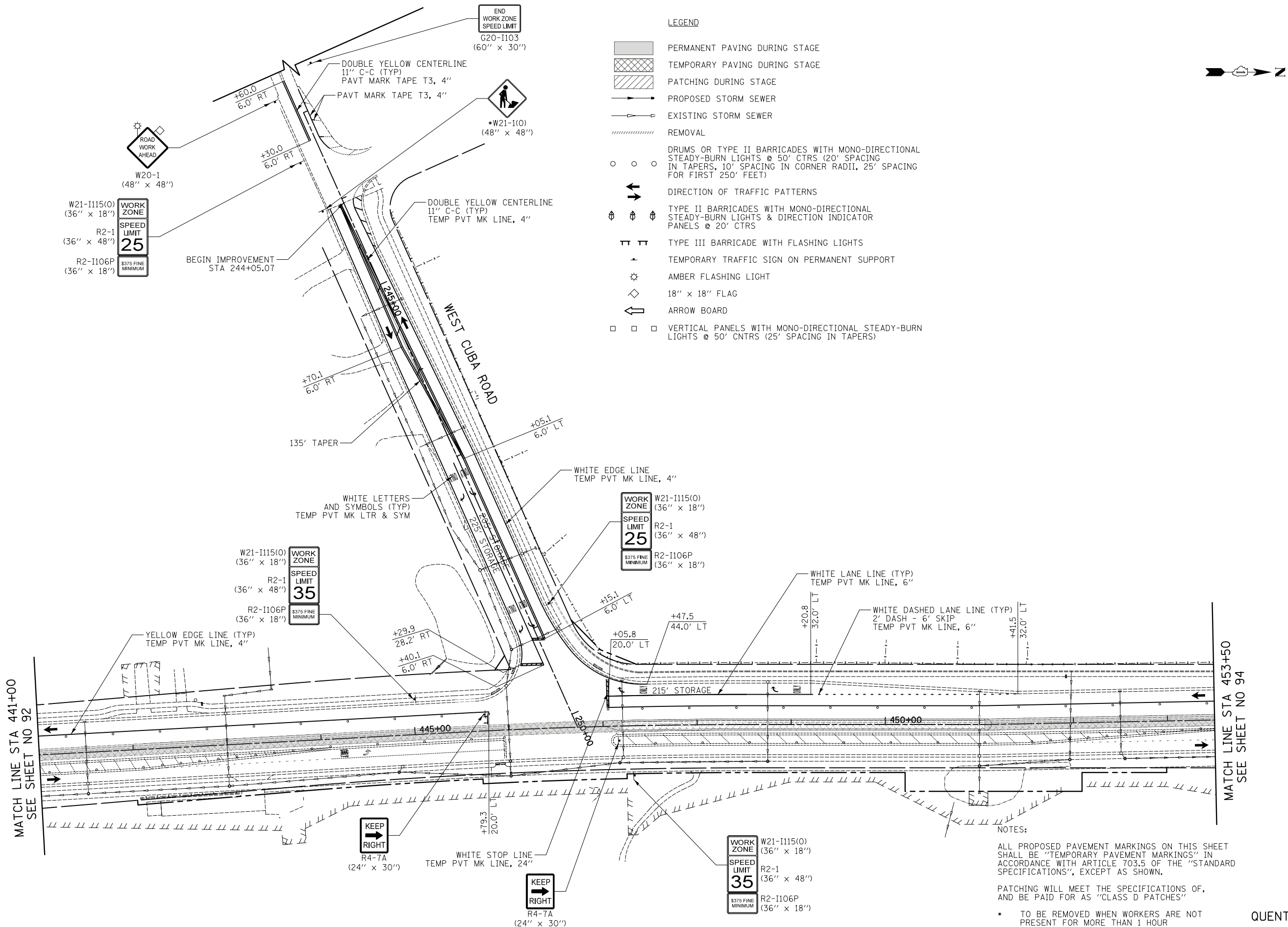
SHEET NO. 1 OF 5 SHEETS STA. 417+00 TO STA. 441+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	92
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

QUENTIN ROAD

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

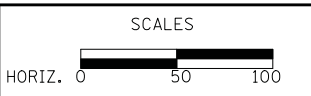
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 3/12/2018	REVISED -

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



**STAGES OF CONSTRUCTION - STAGE III**

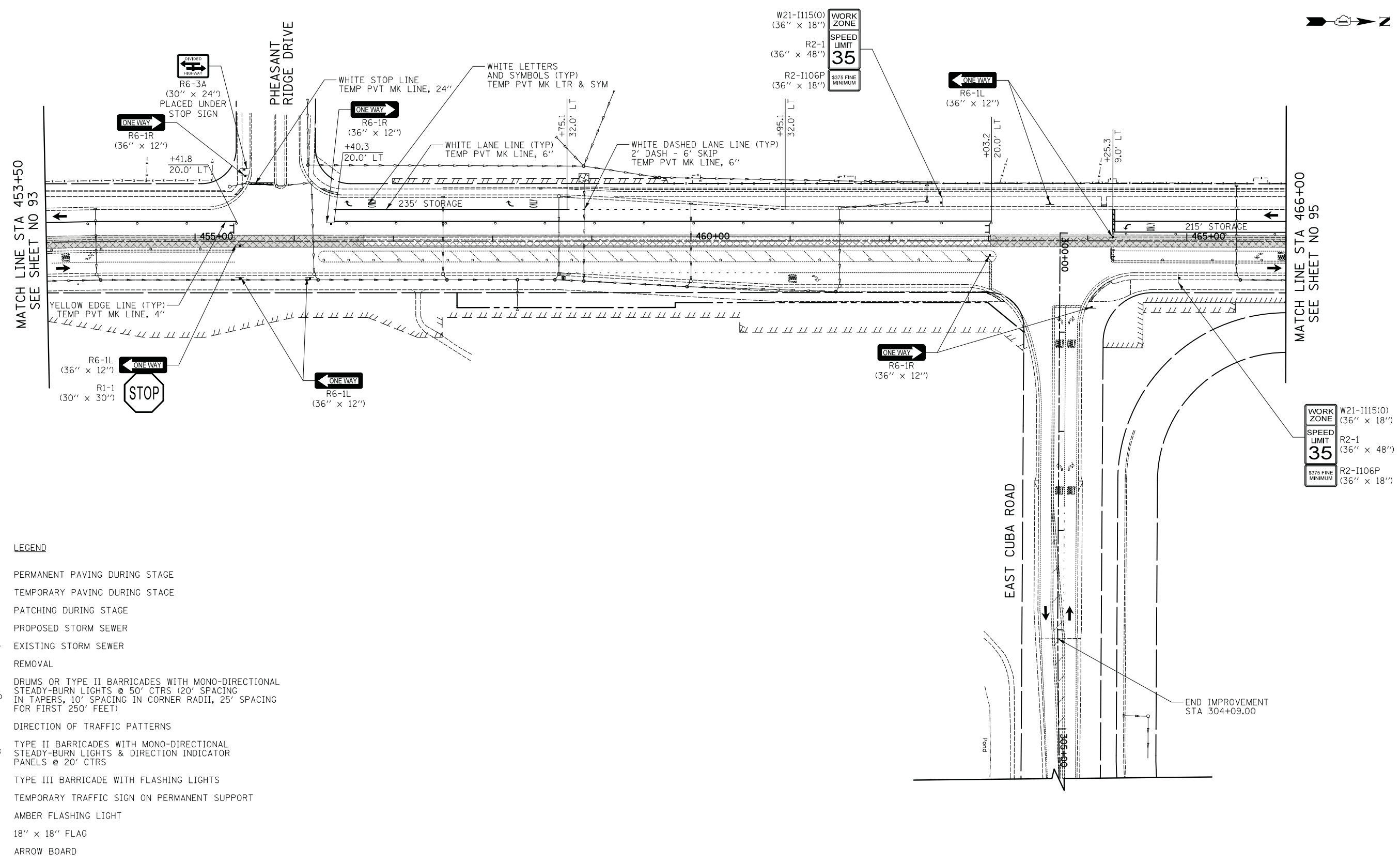
SHEET NO. 2 OF 5 SHEETS STA. 441+00 TO STA. 453+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	93
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

QUENTIN ROAD

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	



**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
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- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)

**NOTES:**  
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QUENTIN ROAD

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



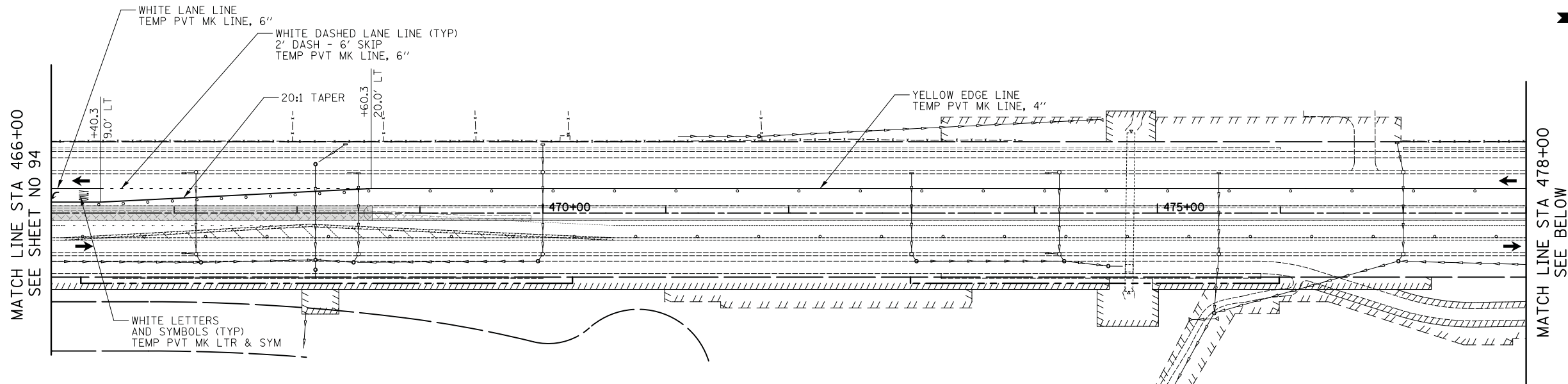
**STAGES OF CONSTRUCTION - STAGE III**

SHEET NO. 3 OF 5 SHEETS STA. 453+50 TO STA. 466+00

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	94
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

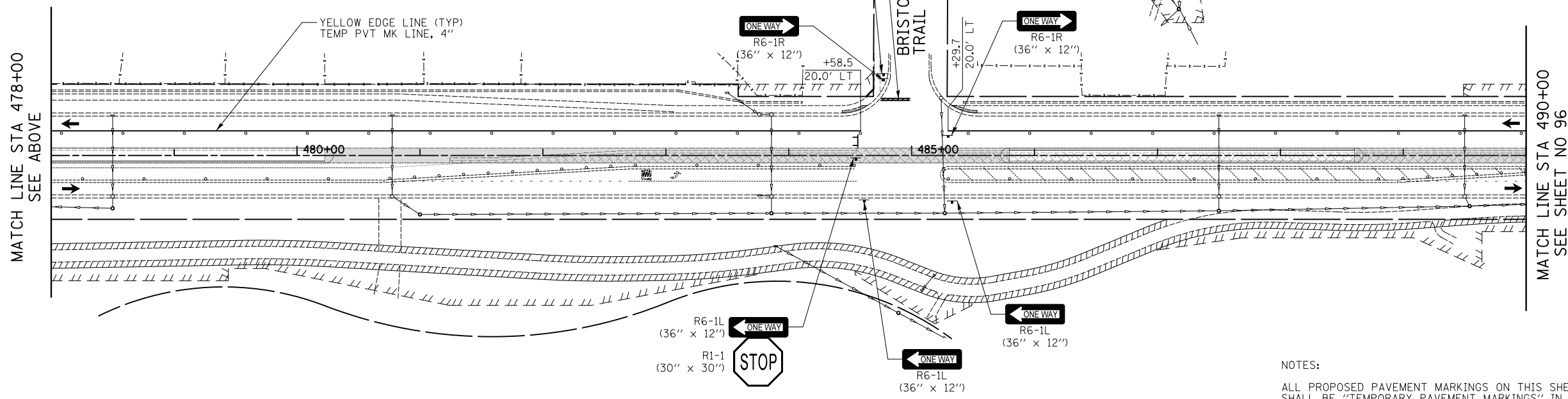
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DATE	BY
ORIGINAL	
SURVEY	
NOTE	
BOOK	
AREAS	
CHECKED	
NO.	



**LEGEND**

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- REMOVAL
- DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)



NOTES:  
 ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.5 OF THE "STANDARD SPECIFICATIONS", EXCEPT AS SHOWN.  
 PATCHING WILL MEET THE SPECIFICATIONS OF, AND BE PAID FOR AS "CLASS D PATCHES"

QUENTIN ROAD

**CIVILTECH**  
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 Itasca, Illinois 60143  
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 www.civiltechinc.com

DESIGNED - PK	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 11/13/2017	REVISED -

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



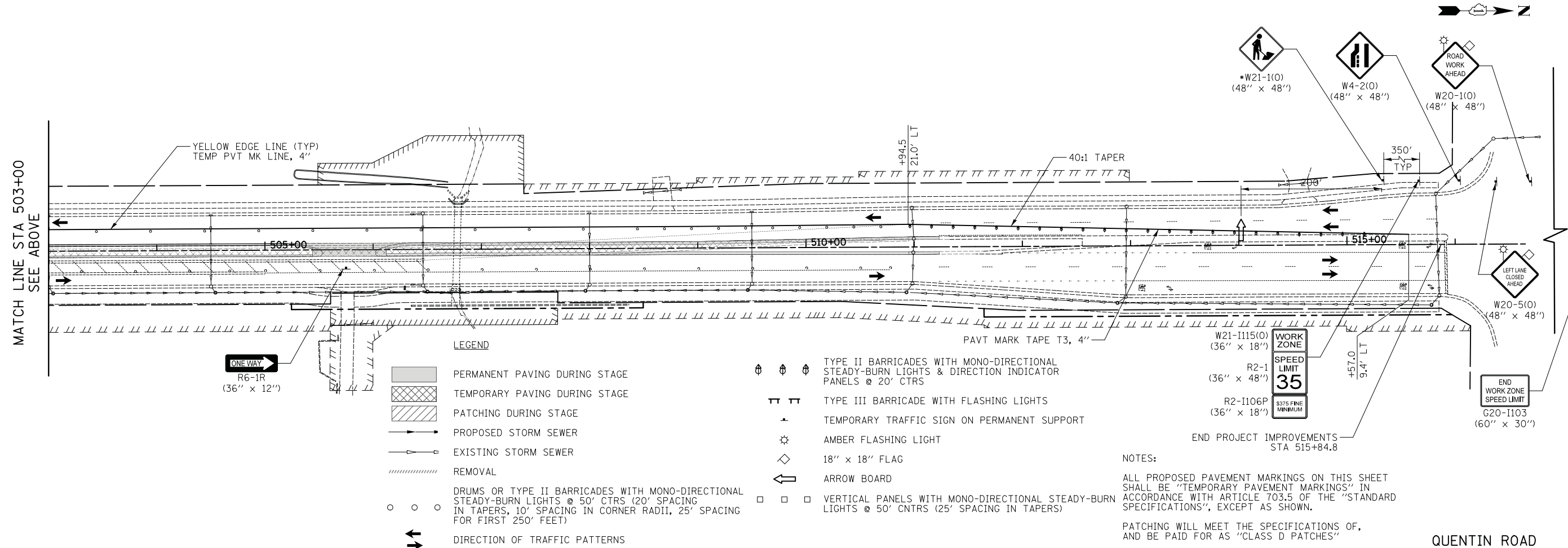
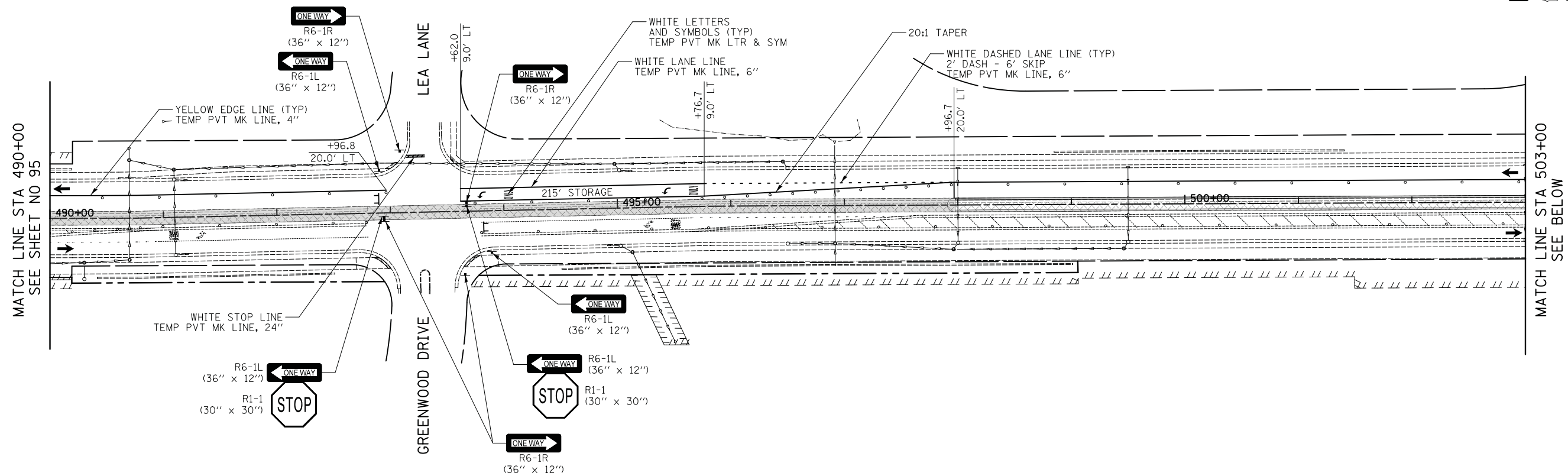
**STAGES OF CONSTRUCTION - STAGE III**

SHEET NO. 4 OF 5 SHEETS STA. 466+00 TO STA. 490+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	95
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



- LEGEND**
- PERMANENT PAVING DURING STAGE
  - TEMPORARY PAVING DURING STAGE
  - PATCHING DURING STAGE
  - PROPOSED STORM SEWER
  - EXISTING STORM SEWER
  - REMOVAL
  - DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII, 25' SPACING FOR FIRST 250' FEET)
  - DIRECTION OF TRAFFIC PATTERNS

- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CNTRS (25' SPACING IN TAPERS)

**NOTES:**

ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.5 OF THE "STANDARD SPECIFICATIONS", EXCEPT AS SHOWN.

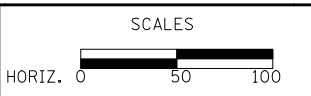
PATCHING WILL MEET THE SPECIFICATIONS OF, AND BE PAID FOR AS "CLASS D PATCHES"

\* TO BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN 1 HOUR

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CHECKED - RTM	REVISED -
DATE - 11/13/2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**STAGES OF CONSTRUCTION - STAGE III**

SHEET NO. 5 OF 5 SHEETS STA. 490+00 TO STA. 516+00

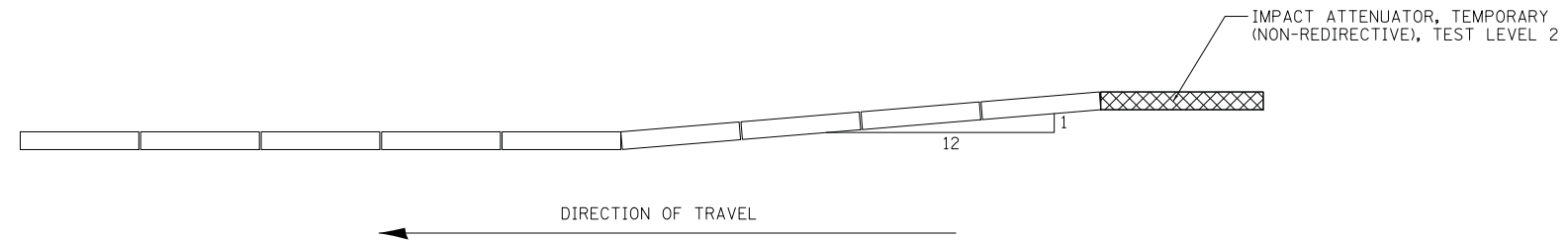
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	96
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

QUENTIN ROAD



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

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



**TEMPORARY CONCRETE BARRIER  
END TREATMENT DETAIL**

DESIGNED - PK	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 11/13/2017	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	97
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			<b>CONTRACT NO. 61E22</b>	

SEDIMENTATION AND EROSION CONTROL NOTES

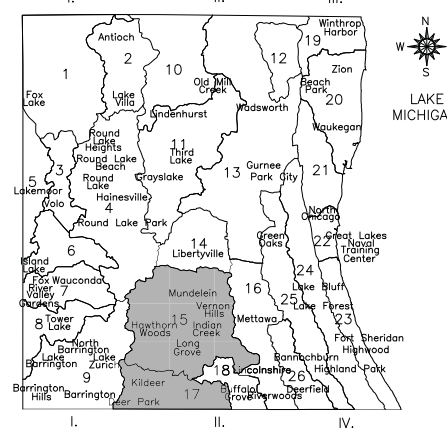
- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PREFORMED, AT A MINIMUM:
  - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
  - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.
- P. ESTIMATED QUANTITIES HAVE BEEN PROVIDED FOR EROSION CONTROL MEASURES TO BE USED AT THE DIRECTION OF THE RESIDENT ENGINEER.
- Q. PERIMETER EROSION BARRIER SHALL BE INSTALLED ONE (1) FOOT FROM RIGHT-OF-WAY OR EASEMENT UNLESS OTHERWISE NOTED ON THE PLANS. REFERENCE THE PLAT OF HIGHWAY SHEETS FOR STATIONS AND OFFSETS.
- R. SEE DRAINAGE AND UTILITY SHEETS FOR RIPRAP CLASSES AND QUANTITIES.
- S. QUANTITIES OF EROSION CONTROL MAT, FLOATING SILT CURTAIN, FLOCCULATION LOGS, AND FLOCCULATION POWDER HAVE BEEN PROVIDED AND ARE TO BE MADE AVAILABLE FOR USE AT THE DIRECTION OF THE RESIDENT ENGINEER.
- T. PERMANENT DITCH CHECKS AND TEMPORARY SEDIMENT TRAPS SHALL BE PAID FOR AS EARTH EXCAVATION, STONE RIPRAP CLASS A2, STONE RIPRAP CLASS A4, AND FILTER FABRIC.
- Q. TEMPORARY FENCE SHALL BE PLACED THROUGHOUT THE LIMITS OF THE PROJECT WHERE PERIMETER EROSION BARRIER IS NOT ALREADY UTILIZED AND AROUND ALL TREES THAT ARE TO BE PROTECTED AT THE DIRECTION OF THE ENGINEER, WHICH SHALL BE PAID FOR AS "TEMPORARY FENCE".

# EROSION CONTROL PLAN

THIS PROJECT DISTURBS 33.4 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS ONLY NECESSARY IF A PROJECT DISTURBS 1.0 OR MORE ACRES OF TOTAL LAND AREA; AN NPDES PERMIT IS REQUIRED FOR THIS PROJECT.

DRAINAGE BASINS OF LAKE COUNTY

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



SMC TYPICAL CONSTRUCTION SEQUENCE (PER STAGE)

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

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














ESTIMATED QUANTITIES

12,215 FEET	PERIMETER EROSION BARRIER
1,764 FEET	TEMPORARY DITCH CHECKS
2,080 FEET	TEMPORARY DITCH CHECKS (SPECIAL) (AKA - PERMEABLE PLASTIC BERMS)
201 EACH	INLET FILTERS
142 EACH	TREE PROTECTION AND PRESERVATION (PAID FOR AS 10 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
4,481 POUNDS	TEMPORARY EROSION CONTROL SEEDING
71,960 SQ YD	TEMPORARY EROSION CONTROL BLANKET
69 SQ YD	EROSION CONTROL MAT (AKA - TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET)
364 SQ YD	TURF REINFORCEMENT MAT
8 EACH	FLOATING SILT CURTAIN (AKA - SEDIMENT CONTROL, SILT CURTAIN)
300 EACH	FLOCCULATION LOGS
10 POUNDS	FLOCCULATION POWDER
377 CU YD	EARTH EXCAVATION (FOR EROSION CONTROL)
4 TONS	STONE RIPRAP, CLASS A2
33 TONS	STONE RIPRAP, CLASS A4
473 SQ YD	FILTER FABRIC

BY		DATE	
FINAL SURVEY	SURVEYED		
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

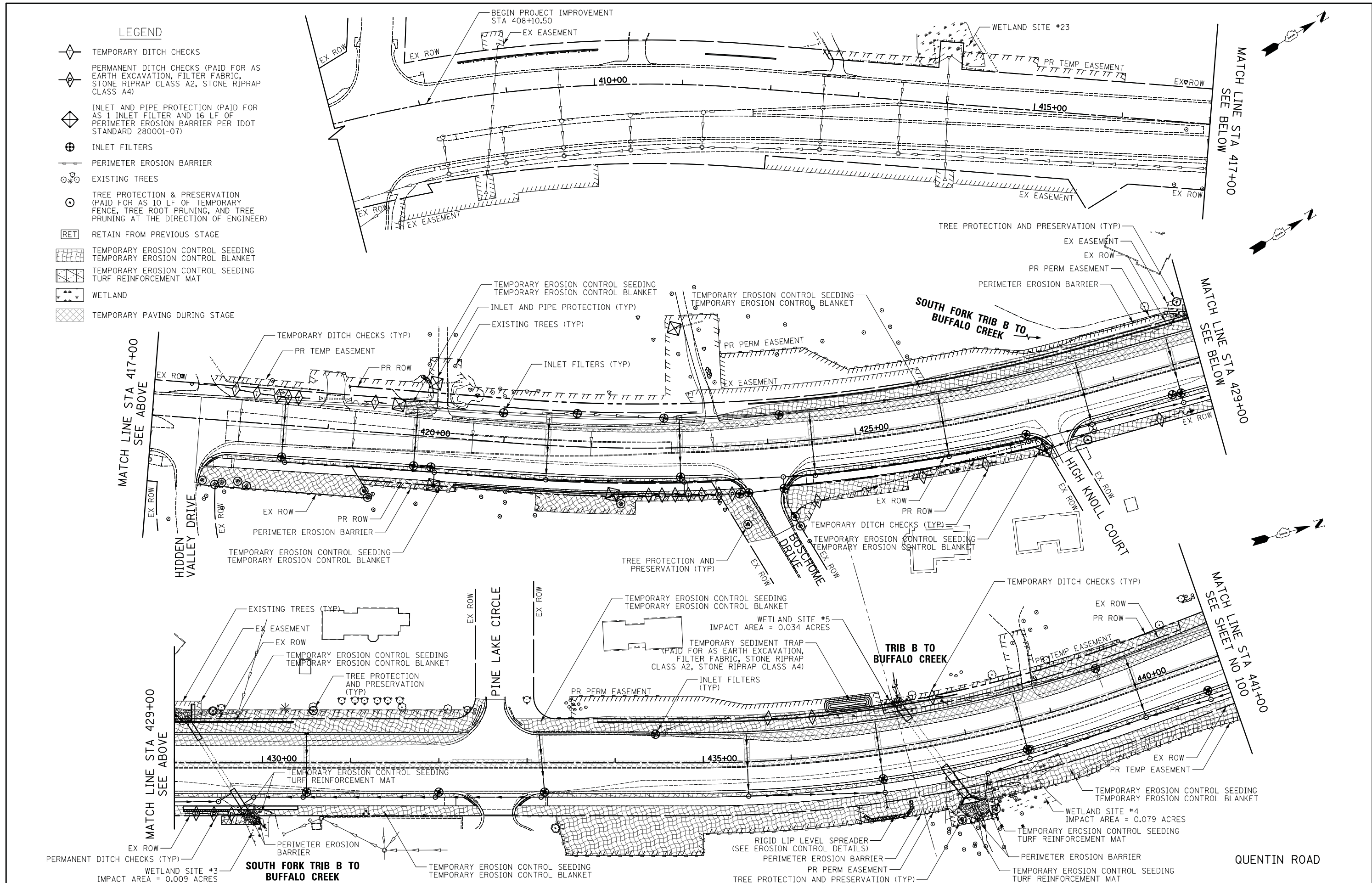
BY		DATE	
ORIGINAL SURVEY	SURVEYED		
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

**LEGEND**

-  TEMPORARY DITCH CHECKS
-  PERMANENT DITCH CHECKS (PAID FOR AS EARTH EXCAVATION, FILTER FABRIC, STONE RIPRAP CLASS A2, STONE RIPRAP CLASS A4)
-  INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
-  INLET FILTERS
-  PERIMETER EROSION BARRIER
-  EXISTING TREES
-  TREE PROTECTION & PRESERVATION (PAID FOR AS 10 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
-  RETAIN FROM PREVIOUS STAGE
-  TEMPORARY EROSION CONTROL SEEDING
-  TEMPORARY EROSION CONTROL BLANKET
-  TEMPORARY EROSION CONTROL SEEDING TURF REINFORCEMENT MAT
-  WETLAND
-  TEMPORARY PAVING DURING STAGE

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FINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

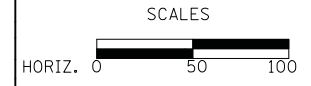
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DRAWN - JSG	REVISED -
CHECKED - TKL	REVISED -
DATE - 11/13/2017	REVISED -

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



**EROSION CONTROL PLAN - STAGE I**  
 SHEET NO. 1 OF 5 SHEETS STA. 417+00 TO STA. 441+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2574	08-00090-12-CH	LAKE	778	99
CONTRACT NO. 61E22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

