

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	1
FED. ROAD DIST. NO.	1 ILLINOIS	CONTRACT NO.	63649	

INDEX OF SHEETS

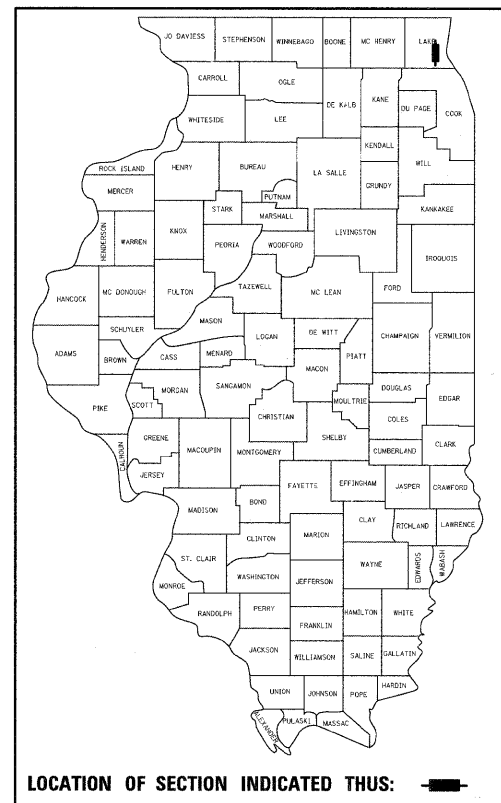
- 1 COVER SHEET
- 2-3 GENERAL NOTES AND LIST OF STATE AND LOCAL STANDARDS
- 4-7 SUMMARY OF QUANTITIES
- 8-13 TYPICAL SECTIONS - QUENTIN ROAD
- 14-15 TYPICAL SECTIONS - LONG GROVE ROAD
- 16-25 SCHEDULE OF QUANTITIES
- 26-42 ALIGNMENT AND TIES AND PLATS OF HIGHWAYS
- 43-53 PLAN AND PROFILE - QUENTIN ROAD
- 54-55 PLAN AND PROFILE - LONG GROVE ROAD
- 56-66 STAGES OF CONSTRUCTION
- 67-71 EROSION CONTROL AND LANDSCAPING
- 72-82 DRAINAGE AND UTILITIES - QUENTIN ROAD
- 83-84 DRAINAGE AND UTILITIES - LONG GROVE ROAD
- 85 STORMWATER MANAGEMENT PLAN
- 86-88 INTERSECTION GRADING PLANS
- 89-91 PAVEMENT MARKING AND SIGNING
- 92-131 TRAFFIC SIGNAL PLANS
- 132-133 CONSTRUCTION DETAILS
- 134 BD-32, BUTT JOINT AND HMA TAPER DETAILS
- 135 BD-51, BENCHING DETAIL FOR EMBANKMENT WIDENING
- 136 TC-10, TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS
- 137 TC-11, RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
- 138 TC-13, DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- 139 TC-16, PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
- 140 TC-18, SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
- 141 TC-22, ARTERIAL ROAD INFORMATION SIGN
- 142-153 BAW-A-1(M), BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS
- 154-172 CROSS SECTIONS - QUENTIN ROAD
- 173-177 CROSS SECTIONS - LONG GROVE ROAD
- 178-179 CROSS SECTIONS - DETENTION POND
- 180-188 LCDOT HIGHWAY STANDARDS

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.P. RTE. 364 (QUENTIN ROAD)
SOUTH OF LONG GROVE ROAD TO BOSCHOME DRIVE
ADD LANES AND INTERSECTION IMPROVEMENT
SECTION NO. 02-00051-08-WR
PROJECT NO. M-9003 (083)
LAKE COUNTY
C-91-016-09

IMPROVEMENT LOCATED IN THE
VILLAGE OF DEER PARK AND
THE VILLAGE OF KILDEER.

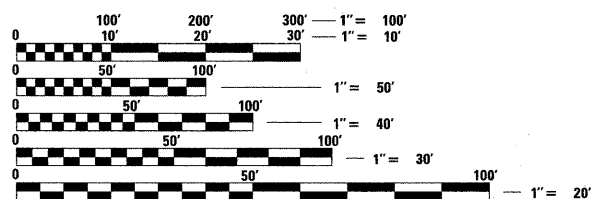


FOR LIST OF STATE STANDARDS, SEE SHEET NO. 2

DESIGN DESIGNATION

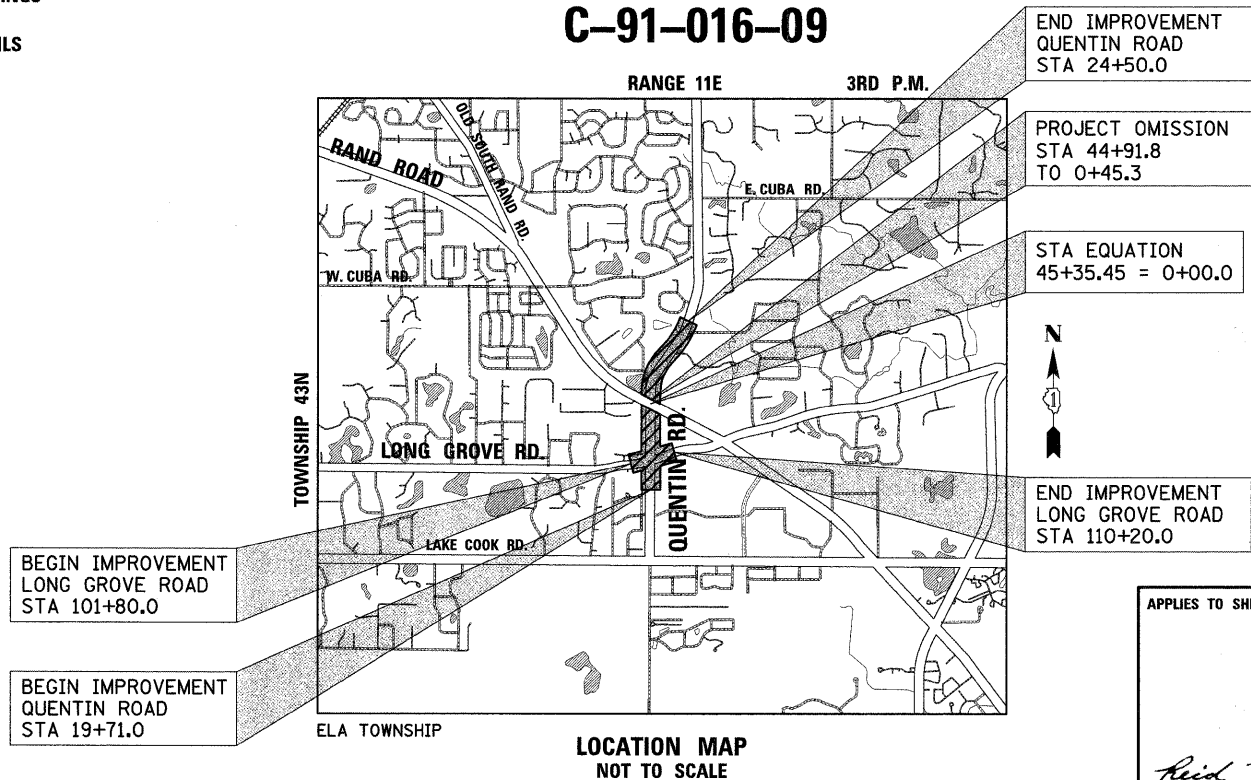
- > Quentin North Leg = Arterial
- > Quentin South Leg = SRA
- > Long Grove Road = Arterial

POSTED SPEED = 40 MPH
QUENTIN ROAD - 2007 ADT = 17,000 VPD
LONG GROVE ROAD - 2007 ADT = 4,100 VPD



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 - 5,015.4 FT (0.95 MILE) (GROSS)
QUENTIN ROAD - 4,925.5 FT (0.93 MILE) (NET)
LONG GROVE ROAD - 840.0 FT (0.16 MILE) (NET & GROSS)
PROJECT TOTAL - 5,855.4 FT (1.11 MILE) (GROSS)
PROJECT TOTAL - 5,765.5 FT (1.09 MILE) (NET)

APPLIES TO SHEETS 1-91,132-188



REGISTERED P.E., STATE OF ILLINOIS EXPIRES 11/30/2011

APPLIES TO SHEETS 92-131



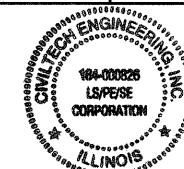
REGISTERED P.E., STATE OF ILLINOIS EXPIRES 11/30/2011

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Approved October 20, 2011
Mary R. Buehler
Lake County Div. of Transportation, County Engineer

Passed NOVEMBER 4, 2011
Chet Christensen
District One Engineer of Local Roads & Streets

Releasing for Bid
Based on Limited
Review November 4, 2011
Diane M. O'Keefe
Deputy Director of Highways, Region One Engineer



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

IDOT HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS ABBREVIATIONS & PATTERNS
280001-06	TEMPORARY EROSION CONTROL SYSTEMS
424001-06	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311-03	GRATING FOR CONCRETE FLARED END SECTION 24-54 IN PIPE
602001-02	CATCH BASIN-TYPE A
602011-02	CATCH BASIN-TYPE C
602301-03	INLET TYPE A
602401-03	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME & LIDS TYPE 1
604036-02	GRATE TYPE B
604056-03	FRAME & GRATE TYPE 11V
604091-02	FRAME & GRATE TYPE 24
606001-04	CONCRETE CURB TYPE B & COMBINATION CONCRETE CURB & GUTTER
606301-04	PC CONCRETE ISLANDS & MEDIANS
606306-03	CORRUGATED PC CONCRETE MEDIANS
630001-10	STEEL PLATE BEAM GUARDRAIL
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
664001-02	CHAIN LINK FENCE
701006-03	OFF-RD OPERATIONS-2L 2W 15' TO 24' FROM PAVEMENT EDGE
701301-04	LANE CLOSURE 2L 2W SHORT TIME OPERATIONS
701306-03	LANE CLOSURE 2L 2W SLOW MOVING OPERATIONS DAY ONLY
701326-04	LANE CLOSURE 2L 2W PAVEMENT WIDENING
701701-08	URBAN LANE CLOSURE MULTILANE INTERSECTION
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
720016-03	MAST ARM MOUNTED STREET NAME SIGNS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATION OF TYPES A & B METAL POSTS
780001-03	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATION FOR RAISED REFLECTIVE PAVEMENT MARKERS
805001-01	ELECTRIC SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS & PHASE SEQUENCES
862001-01	UNINTERRUPTIBLE POWER SUPPLY
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-05	STEEL MAST ARM ASSEMBLY & POLE 16' THROUGH 55'
878001-09	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS & FLASH BEACON INSTALL
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS WITH POST & BRACKET MOUNT
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

LCDOT HIGHWAY STANDARDS

LC2100	DRY RUBBLE STONE OR BROKEN CONCRETE TREE WELLS
LC4100	TYPICAL MINOR ACCESS (PRIVATE ENTRANCE)
LC4101	TYPICAL MAJOR ACCESS (COMMERCIAL ENTRANCE)
LC4103	HOT-MIX ASPHALT APRON FOR AGGREGATE FIELD ENTRANCE (SPECIAL)
LC4121	MAILBOX TURNOUT ALONG CURBED ROADS
LC4201	CURB RAMPS WITH TRAFFIC SIGNAL POSTS & MAST ARMS
LC4801	TRANSITION FROM AGGREGATE SHOULDER TO B-6.24 FOR 18' OFFSET TO FACE
LC5401	TYPICAL PLACEMENT OF PRECAST END SECTIONS ON CROSS ROAD CULVERTS
LC6020	SUB-SURFACE DRAINS
LC6300	SHOULDER BREAK AT TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT) WITH COMBINATION CURB & GUTTER
LC6310	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)
LC6600	ORNAMENTAL FENCE CLASSIC TWO RAIL (ONE MANUFACTURE'S DETAILS)
LC6650	WITNESS POST
LC7000	MODIFIED STANDARD 701011-01
LC7001	MODIFIED STANDARD 701501-03
LC7004	MODIFIED DISTRICT ONE SIDE ROAD DETAIL
LC7005	TYPICAL LANE CLOSURE 3 LANE ROAD SECTION
LC7201	TEMPORARY CONSTRUCTION INFORMATION SIGNS
LC7800	TYPICAL PAVEMENT MARKINGS FOR COUNTY HIGHWAYS
LC7801	ON STREET BICYCLE LANE PAVEMENT MARKINGS AND SIGNING DETAILS
LC7802	SHORT TERM PAVEMENT MARKINGS

GENERAL

- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS". ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST I.D.O.T. STANDARD.
- THE THICKNESSES OF HMA MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE COURSE UPON WHICH THE HMA MATERIALS ARE PLACED.
- THE CONTRACTOR SHALL ENSURE ALL PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK.
 - > Lake County Stormwater Management Commission - Watershed Development Permit
 - > United States Army Corps of Engineers - RP3
 - > Illinois Environmental Protection Agency - Notice of Intent
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER, LAKE COUNTY DIVISION OF TRANSPORTATION, LAKE COUNTY PUBLIC WORKS, THE VILLAGE OF DEER PARK, THE VILLAGE OF KILDEER, UTILITY COMPANIES, SCHOOL DISTRICTS, AND LOCAL POLICE AND FIRE DEPARTMENTS AND SUBMIT A TRAFFIC CONTROL AUTHORIZATION REQUEST TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL LIMIT ANY DROP-OFF BETWEEN LANES TO 1-3/4" DURING ANY OVERNIGHT PERIOD.
- THE CONTRACTOR SHALL NOTIFY AS NECESSARY, ALL TESTING AGENCIES 48 HOURS IN ADVANCE OF CONSTRUCTION. FAILURE OF CONTRACTOR TO PROVIDE PROPER NOTIFICATION TIME WHICH RESULTS IN TESTING COMPANIES BEING UNABLE TO VISIT THE SITE AND PERFORM TESTING WILL CAUSE THE CONTRACTOR TO SUSPEND OPERATION TO BE TESTED UNTIL TESTING AGENCY CAN SCHEDULE TESTING OPERATIONS. COSTS OF SUSPENSION OF WORK TO BE BORNE BY THE CONTRACTOR.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET TO THE SATISFACTION OF THE ENGINEER.
- PROPOSED LINES AND GRADES SHOWN ON THE CONSTRUCTION PLANS REPRESENT FINISHED GRADE ELEVATIONS, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL SAW CUT PAVEMENT AND CURB & GUTTER TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED SAW TO A DEPTH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE REMOVAL ITEM INVOLVED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL DIMENSIONS, INCLUDING RADII, ARE GIVEN TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- SHOULD THE CONTRACTOR DESIRE TO OBTAIN WATER FOR CONSTRUCTION PURPOSES FROM THE LOCAL AREA, THE CONTRACTOR WILL BE RESPONSIBLE FOR MAKING ARRANGEMENTS THROUGH THE VILLAGES OF DEER PARK AND KILLDEER. THE VILLAGES OF DEER PARK AND KILLDEER WILL INSTRUCT THE CONTRACTOR WHERE A POTABLE WATER SUPPLY FROM A HYDRANT NEAR THE WORK SITE IS LOCATED. THE VILLAGE SHALL METER THE POTABLE WATER USED BY THE CONTRACTOR AND THE CONTRACTOR WILL BE CHARGED FOR THE WATER USED AT THE VILLAGE RATES. THE CONTRACTOR IS RESPONSIBLE FOR THE TRANSPORTATION OF THE WATER TO THE SITE WHERE NEEDED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- TEMPORARY TOILET - THE CONTRACTOR SHALL PROVIDE A TEMPORARY TOILET FACILITY FOR THE USE OF ALL CONTRACTORS' PERSONNEL EMPLOYED ON THE WORK, AND SHALL MAINTAIN SAME IN PROPER SANITARY CONDITION. AT COMPLETION, THE FACILITY SHALL BE REMOVED AND THE PREMISES LEFT CLEAN. THE ENGINEER SHALL APPROVE THE LOCATION OF THE TEMPORARY TOILET. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES BID AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- IN ADDITION TO THE REQUIREMENTS OF THE SPECIAL PROVISION FOR CONSTRUCTION LAYOUT STAKES (ILLINOIS DEPARTMENT OF TRANSPORTATION CHECK SHEET #10), THE CONTRACTOR SHALL REESTABLISH, MONUMENT, AND TIE ALL CONTROL POINTS USED TO COMPLETE THE WORK AS SPECIFIED INCLUDING ALL PI'S, PC'S, PT'S, AND POT'S. THE TYPE OF MONUMENTATION USED WILL BE PK NAILS, IRON PIPES, RR SPIKES OR AS APPROVED BY THE ENGINEER. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF SURVEY MONUMENTS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- WHEN REMOVING CURB AND GUTTER, PAVEMENT OR ANY OTHER STRUCTURE, THE CONTRACTOR SHALL TAKE EVERY PRECAUTION NECESSARY TO ENSURE THAT THERE WILL BE NO 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].

GENERAL (CONTINUED)

- CONCRETE WASHOUT FACILITY SHOULD BE PROVIDED IN THE FIELD BY THE CONTRACTOR. THE COST OF CONCRETE WASHOUT FACILITY SHALL BE INCLUDED IN THE COST OF THE CONCRETE WORK ITEMS INCLUDED IN THE CONTRACT. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE TRANSITION FROM THE PROPOSED CURB AND GUTTER SECTION TO A FLAT OR DEPRESSED SECTION (WHERE THERE IS NO CONNECTION TO EXISTING CURB AND GUTTER) SHALL BE ACCOMPLISHED IN APPROXIMATELY FIVE FEET, AND WILL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER" OF THE TYPE BEING CONSTRUCTED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION, EXCEPT FOR PERIODS OF SHORT INTERRUPTION. THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER NO LESS THAN 24 HOURS IN ADVANCE OF THE SHORT INTERRUPTION OF ACCESS AND/OR SERVICES AND SHALL NOTIFY THE OWNER OF THE TIME AND DURATION OF THE INTERRUPTION. THE COST TO PROVIDE ACCESS SHALL BE PAID FOR AND INCLUDED IN THE ITEMS FOR TEMPORARY ACCESS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

CURB AND GUTTER JOINTS SHALL BE PLACED AS PER STANDARD 606001 AND IN ADDITION ONE INCH EXPANSION JOINTS SHALL BE PLACED EVERY 150 FT.
- ALL SUITABLE EXCESS MATERIAL FROM SEWER TRENCHES, SIDE ROADS, ENTRANCES OR OTHER NECESSARY EXCAVATIONS SHALL BE USED IN THE CONSTRUCTION OF THE IMPROVEMENT. PLACEMENT AND COMPACTION OF THIS MATERIAL SHALL BE PAID FOR AS "EARTH EXCAVATION", AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- EXCAVATION REQUIRED TO CLEAN SIDE ROAD DITCHES OR CONSTRUCT SIDE ROAD APPROACHES SHALL BE PAID FOR AS "EARTH EXCAVATION".
- EXISTING FENCE THAT IS TO REMAIN, WHICH HAS BEEN DISCONNECTED AND/OR REMOVED FOR THE CONTRACTOR'S OPERATIONS OR DAMAGED BY THE CONTRACTOR SHALL BE RECONNECTED AND/OR REPLACED IN KIND AT NO ADDITIONAL COST TO THE CONTRACT.
- ALL EXCAVATION AND EMBANKMENT SHALL BE CONSTRUCTED 4 OR 12 INCHES BELOW FINISHED GRADE LINE TO ALLOW FOR TOP SOIL PLACEMENT (WHERE TOP SOIL PLACEMENT IS SPECIFIED).
- THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR DEWATERING EXCAVATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING A DEWATERING PLAN (IF NECESSARY) IN COMPLIANCE WITH NPDES REGULATIONS AND SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- TEMPORARY ASPHALT RAMPS SHALL BE CONSTRUCTED AT THE DIRECTION OF ENGINEER BETWEEN BINDER AND SURFACE COURSES AS NECESSARY. THE HOT-MIX ASPHALT QUANTITY FOR INSTALLATION AND REMOVAL SHALL BE INCLUDED IN THE COST OF THE "TEMPORARY RAMP".

STORM SEWERS, STRUCTURES, AND UTILITIES

- 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).
- 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 ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE 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. THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR CONSTRUCTION STAGING NECESSARY TO ACCOMMODATE UTILITY RELOCATION OR ADJUSTMENT AND/OR FOR DELAYS CAUSED BY UTILITY RELOCATION OR ADJUSTMENT.

DATE	BY
SURVEYED	PLOTTED
NOTED	AREAS CHECKED
NO.	

DATE	BY
SURVEYED	PLOTTED
NOTED	AREAS CHECKED
NO.	

STORM SEWERS, STRUCTURES, AND UTILITIES (CONTINUED)

30. 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 SHALL BE AT THE CONTRACTOR'S EXPENSE AND MAY LEAD TO THE REJECTION OF THE STRUCTURE IN THE FIELD.
31. MATERIALS CONSIDERED SUITABLE BY THE ENGINEER FOR SALVAGE SHALL BE STORED WITHIN THE RIGHT-OF-WAY FOR LATER REMOVAL BY LAKE COUNTY DIVISION OF TRANSPORTATION.
32. HMA OR CONCRETE PAVEMENT CROSSINGS REMOVED DUE TO STORM 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.
33. ALL EXISTING FRAMES, GRATES, AND LIDS THAT ARE BEING REPLACED SHALL REMAIN THE PROPERTY OF THE LAKE COUNTY PUBLIC WORKS OR THE VILLAGE OF DEER PARK OR KILDEER. THE CONTRACTOR SHALL DELIVER ALL REPLACED FRAMES, GRATES AND LIDS TO THE RESPECTIVE PUBLIC WORKS FACILITY. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
34. THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED INTO THE PROPOSED IMPROVEMENT (AS DETERMINED BY THE ENGINEER) SHALL BE SEALED WITH BRICKS AND PORTLAND CEMENT MORTAR OR MECHANICAL END CAPS TO THE SATISFACTION OF THE ENGINEER. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
35. 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. 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.
36. "DFW NON-SHEAR" COUPLINGS AS MANUFACTURED BY NDS COMPANY OR APPROVED EQUAL SHALL BE USED FOR CONNECTIONS OF NEW PIPE TO EXISTING PIPE AND WHERE DISSIMILAR PIPE AND JOINT MATERIALS ARE ENCOUNTERED. COUPLINGS SHALL BE A MINIMUM OF 12 INCHES LONG FOR CONNECTION ON LARGER PIPES (THESE ARE SPECIAL ORDER ITEMS). NO STAINLESS STEEL SHEAR RINGS WILL BE ALLOWED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
37. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE CENTER OF STRUCTURE LOCATION PER LCDOT DESIGN POLICY. 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.
38. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. THE ADJUSTMENT OF FRAMES ON ALL NEW STRUCTURES TO THE FINAL ELEVATIONS SHALL BE INCLUDED IN THE COST OF THE NEW STRUCTURES. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
39. THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER OR DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STORM SEWER BEING CONNECTED. ALL JOINTS IN CONCRETE SEWER PIPE SHALL BE SEALED WITH RUBBER GASKETS, PREFORMED JOINT SEALANTS, OR EXTERNAL SEALING BANDS. NO MASTIC JOINT SEALER WILL BE ALLOWED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
40. THE CONTRACTOR SHALL MAINTAIN FLOWS THROUGH EXISTING SEWER SYSTEMS AT ALL TIMES. THE EXISTING STRUCTURES SHALL BE INSPECTED BEFORE CONSTRUCTION STARTS. AS DIRECTED BY THE ENGINEER, ANY ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
41. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR STRUCTURES. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS, AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET. HE SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
42. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLES, CATCH BASIN, INLET, VALVE VAULT, OR METER VAULT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD "STORM". ALL LIDS TO BE USED ON SANITARY SEWER STRUCTURES SHALL BEAR THE WORD "SANITARY". ALL LIDS TO BE USED ON WATER SYSTEM STRUCTURES SHALL BEAR THE WORD "WATER". ALL OPEN GRATES SHALL INCLUDE THE WORDING "DUMP NO WASTE, DRAINS TO WATERWAYS". THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE STRUCTURE BEING CONSTRUCTED, ADJUSTED OR RECONSTRUCTED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

STORM SEWERS, STRUCTURES, AND UTILITIES (CONTINUED)

43. EXISTING STORM SEWERS AND EXISTING STORM SEWER STRUCTURES SHALL BE CLEANED AS DIRECTED BY THE ENGINEER. A CONTINGENCY QUANTITY HAS BEEN INCLUDED IN THE CONTRACT.
44. THE CONTRACTOR SHALL BE AWARE THAT AT TIMES THE ENGINEER MAY REQUIRE A CHANGE IN STORM SEWER ELEVATION DUE TO A UTILITY LINE OR OTHER OBSTRUCTION. THE ADDITIONAL EXCAVATION OR SHEETING REQUIRED SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE STORM SEWER.
45. REMOVAL OF FLARED END SECTIONS SHALL BE PAID FOR AS "STORM SEWER REMOVAL."
46. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 WILL NOT BE ALLOWED.

DRIVEWAYS AND ENTRANCES

47. ALL EXCAVATION REQUIRED TO CONSTRUCT NEW DRIVEWAYS SHALL BE PAID FOR AS "DRIVEWAY PAVEMENT REMOVAL".
48. EXISTING FIELD ENTRANCES SHALL BE CONSTRUCTED TO THE RIGHT-OF-WAY WITH AGGREGATE BASE COURSE, TYPE A 6". SEE LAKE COUNTY DETAIL LC4103.
49. EXISTING GRAVEL DRIVEWAYS OR ENTRANCES SHALL BE SURFACED TO THE RIGHT-OF-WAY WITH 2-1/2 INCHES OF HMA CONCRETE SURFACE COURSE. THE GRAVEL SHALL BE APPROPRIATELY GRADED AND SUPPLEMENTED WITH AGGREGATE BASE COURSE, TYPE A, AS REQUIRED.
50. EXISTING HMA DRIVES SHALL BE SAW CUT AT THE RIGHT-OF-WAY LINE. THE SURFACE SHALL BE REMOVED TO THE SAW CUT. THE AGGREGATE BASE SHALL BE APPROPRIATELY PREPARED, AND THE DRIVEWAY SHALL BE RESURFACED WITH 2-1/2 INCHES OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50.
51. EXISTING P.C. CONCRETE DRIVES SHALL BE SAW CUT AT THE RIGHT-OF-WAY LINE AND REMOVED. THE DRIVE SHALL BE RECONSTRUCTED TO THE SAME WIDTH WITH 6 INCHES OF AGGREGATE BASE AND 8 INCHES OF P.C. CONCRETE UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

PAVEMENT MARKING

52. THE ITEM 'SHORT TERM PAVEMENT MARKING' PROVIDES FOR THE APPLICATION OF TEMPORARY CENTER AND LANE LINES:
 - A) AFTER THE PAVEMENT HAS BEEN MILLED
 - B) AFTER PLACEMENT OF A PRIME COAT
 - C) AFTER PLACEMENT OF LEVELING BINDER
 - D) AFTER PLACEMENT OF PRIME AND CRACK CONTROL FABRIC
 - E) AFTER PLACEMENT OF BINDER COURSE
 - F) AFTER PLACEMENT OF A PRIME COAT
 - G) AFTER PLACEMENT OF THE SURFACE COURSE
53. ITEMS CATEGORIZED AS "TEMPORARY PAVEMENT MARKING" PROVIDE FOR TWO APPLICATIONS.
54. ITEMS UNDER THE GENERAL HEADING OF "THERMOPLASTIC PAVEMENT MARKING" PROVIDE FOR ONE APPLICATION.

SIGNING, STRIPING & LANDSCAPING

55. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT'S TRAFFIC CONTROL ITEMS.
56. ALL UNUSED SIGNS SHALL BE RETURNED TO THE VILLAGE OF KILDEER, THE VILLAGE OF DEER PARK OR LAKE COUNTY DIVISION OF TRANSPORTATION AT THE DIRECTION OF THE ENGINEER.
57. ANY SIGNS WHICH ARE DAMAGED BEYOND REPAIR DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED IN KIND BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.
58. 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.
59. THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR, SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
60. 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.
61. ALL NEW SIGNING WILL BE FURNISHED AND INSTALLED BY LAKE COUNTY. SIGNS ON THE PROPOSED PAVEMENT MARKING AND SIGNING SHEET ARE FOR REFERENCE ONLY FOR LCDOT.

SURVEY

62. BENCHMARKS
LAKE COUNTY MAPPING 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. N.G.V.D. 1929 ELEVATION 848.48
63. LAKE COUNTY MAPPING 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. N.G.V.D. 1929 ELEVATION 868.50
64. 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 "VGB 3A", P.I.D. AJ3080.

SURVEY (CONTINUED)

65. 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-E320.649.905.
66. SURFACE COORDINATES ARE SHOWN.
67. IN ADDITION TO THE REQUIREMENTS OF ARTICLE 105.09 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL FURNISH, AT THEIR EXPENSE, WHITE, PINK OR PURPLE PAVEMENT MARKING PAINT IN AEROSOL CANS, FOR USE BY THE ENGINEER. THE QUALITY OF THE MARKING PAINT SHALL BE AS MANUFACTURED BY AERVOE-PACIFIC CO. (DISTRIBUTED BY MUNICIPAL MARKING DISTRIBUTORS, INC., DUNDEE, IL) OR APPROVED EQUAL. THE CONTRACTOR AND SUBCONTRACTORS SHALL ONLY USE THESE SAME COLORS FOR THEIR OWN MARKINGS, THEREFORE, NOT USING J.U.L.I.E. UTILITY COLORS. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

POINTS OF CONTACT

LAKE COUNTY DIV. OF TRANS.
(TO BE DETERMINED)
RESIDENT ENGINEER
600 W. WINCHESTER ROAD
LIBERTYVILLE, IL 60048-1381
PH: (847) 362-3950
FAX: (847) 362-5290

LAKE COUNTY PUBLIC WORKS
MR. CHARLES DEGRAVE, P.E.
PRINCIPAL CIVIL ENGINEER
650 WINCHESTER RD.
LIBERTYVILLE, IL 60048
PH: (847) 377-7500
FAX: (847) 377-7173

COMCAST
MR. ROBERT SCHULTER
MANAGER
688 INDUSTRIAL DRIVE
ELMHURST, IL 60126
PH: (630) 600-6347

NICOR GAS
MS. CONSTANCE LANE
UTILITY CONSULTANT
P.O. BOX 190
AURORA, IL 60507-0190
PH: (630) 388-3830
FAX: (630) 983-4028

AT&T CORP.
MR. HECTOR GARCIA
LEGAL MANDATE ENGINEERING
1000 COMMERCE DRIVE, FLOOR 2
OAK BROOK, IL 60523
PH: (630) 573-5465

LAKE ZURICH COMMUNITY
UNIT SCHOOL DISTRICT 95
400 S. OLD RAND ROAD
LAKE ZURICH, IL 60047-2459
PH: (847) 438-2831
FAX: (847) 438-6702

KILDEER POLICE DEPARTMENT
21911 QUENTIN ROAD
KILDEER, IL 60047
PH: (847) 438-6010

THE VILLAGE OF KILDEER
21911 QUENTIN ROAD
KILDEER, IL 60047
PH: (847) 438-6000
FAX: (847) 438-1531

VILLAGE OF DEER PARK
VILLAGE OFFICE
23680 W. CUBA ROAD
DEER PARK, IL 60010
PH: (847) 726-1648
FAX: (847) 726-1659

VILLAGE OF DEER PARK
VILLAGE ENGINEER
MR. TODD GORDON, P.E.
GEWALT HAMILTON ASSOCIATES, INC.
TGORDON@GHA-ENGINEERS.COM
PH: (847) 726-1648

COMMONWEALTH EDISON COMPANY
MS. TERRI BLECK
MANAGER, PUBLIC RELOCATION GROUP
1500 FRANKLIN BLVD.
LIBERTYVILLE, IL 60048
PH: (847) 816-5239
FAX: (847) 816-5348

AT&T LOCAL NETWORK SERVICES
MR. VINCE RANDLE
PROGRAM MANAGER
4513 WESTERN AVENUE
LISLE, IL 60532
PH: (630) 810-6203

VILLAGE OF KILDEER
MR. BILL HOLMES
BUILDING AND ZONING DIRECTOR
21911 QUENTIN ROAD
KILDEER, IL 60047
PH: (847) 438-6000
FAX: (847) 438-1531

VILLAGE OF KILDEER
VILLAGE ENGINEER
MR. BOB HAMILTON, P.E.
GEWALT HAMILTON ASSOCIATES, INC.
RHAMILTON@GHA-ENGINEERS.COM
PH: (847) 478-9700
FAX: (847) 478-9701

LAKE ZURICH RURAL FIRE
PROTECTION DISTRICT
FIRE CHIEF
DAVID P. WHEELLOCK
321 S. BUESCHING ROAD
LAKE ZURICH, IL 60047
PH: (847) 540-5070
FAX: (847) 726-1644

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	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.
364	02-00051-08-WR	LAKE	188	3
CONTRACT NO. 63649				
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.	

CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0003	0021
				ROADWAY	SIGNALS
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,487	1,487	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	470	470	
20101000	TEMPORARY FENCE	FOOT	2,000	2,000	
20101200	TREE ROOT PRUNING	EACH	109	109	
20200100	EARTH EXCAVATION	CU YD	15,012	15,012	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	27,840	27,840	
20400800	FURNISHED EXCAVATION	CU YD	39,303	39,303	
20800150	TRENCH BACKFILL	CU YD	4,110	4,110	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	52,969	52,969	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	35,879	35,879	
21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	1,976	1,976	
25000210	SEEDING, CLASS 2A	ACRE	3.75	3.75	
25000314	SEEDING, CLASS 4B	ACRE	0.25	0.25	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	735	735	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	735	735	
25100115	MULCH, METHOD 2	ACRE	8.25	8.25	
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	89	89	
25200110	SODDING, SALT TOLERANT	SQ YD	764	764	
25200200	SUPPLEMENTAL WATERING	UNIT	20	20	
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	200	200	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	810	810	
28000305	TEMPORARY DITCH CHECKS	FOOT	756	756	
28000500	INLET AND PIPE PROTECTION	EACH	13	13	
28000510	INLET FILTERS	EACH	91	91	
28100101	STONE RIPRAP, CLASS A1	SQ YD	144	144	
28100107	STONE RIPRAP, CLASS A4	SQ YD	84	84	
28200200	FILTER FABRIC	SQ YD	168	168	
31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	266	266	
35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	3,504	3,504	
35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	1,542	1,542	
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	92	92	
35300310	PORTLAND CEMENT CONCRETE BASE COURSE 8 1/2"	SQ YD	60	60	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	27,202	27,202	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	2	2	
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	54	54	
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	224	224	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	47	47	
40600990	TEMPORARY RAMP	SQ YD	47	47	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	504	504	

^ DENOTES SPECIALTY ITEM
 ^^ DENOTES CONSTRUCTION TYPE CODE 0042
 * DENOTES SPECIAL PROVISION

CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0003	0021
				ROADWAY	SIGNALS
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	17,484	17,484	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	541	541	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4,454	4,454	
42001300	PROTECTIVE COAT	SQ YD	6,620	6,620	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	190	190	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2,577	2,577	
42400800	DETECTABLE WARNINGS	SQ FT	323	323	
44000100	PAVEMENT REMOVAL	SQ YD	24,407	24,407	
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	1,619	1,619	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2,626	2,626	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2,415	2,415	
44000300	CURB REMOVAL	FOOT	388	388	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	4,444	4,444	
44004000	PAVED DITCH REMOVAL	FOOT	252	252	
44004250	PAVED SHOULDER REMOVAL	SQ YD	566	566	
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	34	34	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	130	130	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	8	8	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	6	6	
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	4	4	
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1	1	
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	6	6	
54247170	GRATING FOR CONCRETE FLARED END SECTION 36"	EACH	4	4	
54247180	GRATING FOR CONCRETE FLARED END SECTION 42"	EACH	1	1	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	3,036	3,036	
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	452	452	
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	618	618	
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	1,322	1,322	
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	441	441	
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	1,648	1,648	
550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	4	4	
55100100	STORM SEWER REMOVAL 4"	FOOT	675	675	
55100300	STORM SEWER REMOVAL 8"	FOOT	2	2	
55100400	STORM SEWER REMOVAL, 10"	FOOT	135	135	
55100500	STORM SEWER REMOVAL, 12"	FOOT	955	955	
55100700	STORM SEWER REMOVAL 15"	FOOT	980	980	
55100900	STORM SEWER REMOVAL, 18"	FOOT	171	171	
55101200	STORM SEWER REMOVAL 24"	FOOT	311	311	

^ DENOTES SPECIALTY ITEM
 ^^ DENOTES CONSTRUCTION TYPE CODE 0042
 * DENOTES SPECIAL PROVISION

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	

CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0003	0021
				ROADWAY	SIGNALS
55101600	STORM SEWER REMOVAL, 36"	FOOT	480	480	
55201300	STORM SEWERS JACKED IN PLACE, 36"	FOOT	112	112	
* 56107200	REMOVE AND RELOCATE WATER MAIN 8"	FOOT	20	20	
^ 56300100	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	50	50	
^ 56300300	ADJUSTING WATER SERVICE LINES	FOOT	50	50	
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	52	52	
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2	
60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	10	10	
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	36	36	
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	4	4	
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	1	
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	6	6	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9	9	
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1	
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	26	26	
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	
60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1	
60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	4	4	
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	23	23	
60250200	CATCH BASINS TO BE ADJUSTED	EACH	4	4	
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	2	
60255500	MANHOLES TO BE ADJUSTED	EACH	6	6	
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2	
60258100	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1	
60260100	INLETS TO BE ADJUSTED	EACH	4	4	
60262700	INLETS TO BE RECONSTRUCTED	EACH	2	2	
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1	
60500040	REMOVING MANHOLES	EACH	16	16	
60500050	REMOVING CATCH BASINS	EACH	17	17	
60500060	REMOVING INLETS	EACH	14	14	
60600605	CONCRETE CURB, TYPE B	FOOT	279	279	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	13,923	13,923	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	147	147	
60624600	CORRUGATED MEDIAN	SQ FT	1,290	1,290	
* 61140200	STORM SEWERS (SPECIAL), 12"	FOOT	56	56	
^ 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	226	226	
* ^ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1	
63200310	GUARDRAIL REMOVAL	FOOT	447	447	
^ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	79	79	
^ 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1	

^ DENOTES SPECIALTY ITEM
 ^^ DENOTES CONSTRUCTION TYPE CODE 0042
 * DENOTES SPECIAL PROVISION

CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0003	0021
				ROADWAY	SIGNALS
^ 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	15	15	
67100100	MOBILIZATION	L SUM	1	1	
67201000	SEALING ABANDONED WATER WELLS	EACH	1	1	
67201100	SEALING ABANDONED MONITORING WELLS	EACH	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	12	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2,831	2,831	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	1,475	1,475	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	70,560	70,560	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	6,919	6,919	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	643	643	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	842	842	
^ 70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	110	110	
^ 70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	13,963	13,963	
^ 70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	415	415	
^ 70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	524	524	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	37,222	37,222	
^ 72000100	SIGN PANEL - TYPE 1	SQ FT	40	25	15
^ 72000200	SIGN PANEL - TYPE 2	SQ FT	43	20	23
^ 72000300	SIGN PANEL - TYPE 3	SQ FT	60	60	
^ 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	54	54	
^ 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	407	407	
^ 72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	564	564	
^ 73400100	CONCRETE FOUNDATIONS	CU YD	1.4	1.4	
^ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2,552	2,552	
^ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	28,310	28,310	
^ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	10,090	10,090	
^ 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	4,912	4,912	
^ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	5,282	5,282	
^ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1,114	1,114	
^ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	194	194	
* ^ 78200420	GUARDRAIL MARKERS, TYPE B	EACH	3	3	
* ^ 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1	
^ 78300100	PAVEMENT MARKING REMOVAL	SQ FT	9,297	9,297	
^ 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	150	150	
* ^ 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	2		2
^ 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	4,330		4,330
^ 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	181		181
^ 81028230	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	288		288
^ 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,822		1,822

^ DENOTES SPECIALTY ITEM
 ^^ DENOTES CONSTRUCTION TYPE CODE 0042
 * DENOTES SPECIAL PROVISION



DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET NO. 2 OF 4 SHEETS

F.A.U. RTE. 364	SECTION 02-00051-08-WR	COUNTY LAKE	TOTAL SHEETS 188	SHEET NO. 5
CONTRACT NO. 63649				

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

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

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

CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0003	0021
				ROADWAY	SIGNALS
81400100	HANDHOLE	EACH	9		9
81400200	HEAVY DUTY HANDHOLE	EACH	4		4
81400300	DOUBLE HANDHOLE	EACH	6		6
82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	8		8
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4		4
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	14,631		14,631
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	4,875		4,875
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	5,873		5,873
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	11,878		11,878
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,478		2,478
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3,825		3,825
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	180		180
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	3,144		3,144
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1		1
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1		1
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1		1
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1		1
87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1		1
87704060	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 26 FT. (SPECIAL)	EACH	1		1
87704120	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)	EACH	2		2
87704130	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT. (SPECIAL)	EACH	1		1
87704150	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT. (SPECIAL)	EACH	1		1
87704160	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT. (SPECIAL)	EACH	1		1
87704210	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 58 FT. (SPECIAL)	EACH	1		1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	40		40
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	12		12
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	15		15
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	145	15	130
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21		21
87900200	DRILL EXISTING HANDHOLE	EACH	8		8
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	29		29
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1		1
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, Mast Arm mounted	EACH	4		4
88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7		7
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	5		5
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12		12
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2		2
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	34		34
88500100	INDUCTIVE LOOP DETECTOR	EACH	12		12

^ DENOTES SPECIALTY ITEM
 ^^ DENOTES CONSTRUCTION TYPE CODE 0042
 * DENOTES SPECIAL PROVISION

CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0003	0021
				ROADWAY	SIGNALS
88600100	DETECTOR LOOP, TYPE I	FOOT	552		552
88700200	LIGHT DETECTOR	EACH	10		10
88700300	LIGHT DETECTOR AMPLIFIER	EACH	3		3
88800100	PEDESTRIAN PUSH-BUTTON	EACH	16		16
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	3		3
89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1		1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	10,002		10,002
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2		2
89502380	REMOVE EXISTING HANDHOLE	EACH	27		27
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	15		15
89502500	REMOVE TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	30	30	
K0012993	PERENNIAL PLANTS, ORNAMENTAL TYPE, 3-GALLON POT	UNIT	3	3	
K0013055	PERENNIAL PLANTS, WETLAND EMERGENT	ACRE	1.00	1.00	
X0324044	EROSION CONTROL, TEMPORARY PIPE SLOPE DRAIN	EACH	2	2	
X0324045	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE REMOVAL	EACH	2	2	
X0324058	OUTLET SPECIAL	EACH	1	1	
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	2,912		2,912
X0324775	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE MAINTENANCE	SQ YD	374	374	
X0326310	RELOCATE EXISTING SWITCH (SPECIAL)	EACH	3		3
X0326337	DRAINAGE CONTROL STRUCTURE	EACH	1	1	
X0326358	STORM WATER TREATMENT SYSTEM	EACH	1	1	
X0326885	VIDEO DETECTION SYSTEM	EACH	2		2
X0840000	SANITARY SEWER REMOVAL 8"	FOOT	148	148	
X2010350	TREE REMOVAL, ACRES (SPECIAL)	ACRE	1.50	1.50	
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	200	200	
X2500920	SEEDING, CLASS 1A (SPECIAL)	ACRE	2.50	2.50	
X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	1.00	1.00	
X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	1.25	1.25	
X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	74,997	74,997	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	12	12	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	5	5	
X4023000	TEMPORARY ACCESS (ROAD)	EACH	3	3	
X4403300	CONCRETE MEDIAN REMOVAL	SQ FT	1,328	1,328	
X6013600	PIPE UNDERDRAINS 4" (MODIFIED)	FOOT	12,018	12,018	
X6020175	DRAINAGE STRUCTURES WITH RESTRICTOR	EACH	1	1	
X6060200	CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)	SQ FT	6,496	6,496	
X6650202	WOVEN WIRE FENCE REMOVAL	FOOT	1,400	1,400	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
X7310110	BASE FOR TELESCOPING SIGN SUPPORT, SPECIAL	EACH	44	44	

^ DENOTES SPECIALTY ITEM
 ^^ DENOTES CONSTRUCTION TYPE CODE 0042
 * DENOTES SPECIAL PROVISION

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

DESIGNED - JRR
 DRAWN - JRR
 CHECKED - RTM
 DATE - 10/24/2011
 REVISED - 11/14/2011
 REVISED - 5/16/2012
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SHEET NO. 3 OF 4 SHEETS

F.A.U. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	6
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0003	0021
				ROADWAY	SIGNALS
* X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	1,768	1,768	
*^ X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	3		3
*^ X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	3		3
*^ X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	14,769		14,769
*^ X8730800	ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C	FOOT	336		336
*^ X8730800	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT. (SPECIAL)	EACH	1		1
*^ X8950205	REBUILD EXISTING HANDHOLE, SPECIAL	EACH	1		1
* XX001249	ORNAMENTAL FENCE	FOOT	67	67	
* XX003668	PRECONSTRUCTION VIDEO TAPING	LSUM	1	1	
*^ XX004913	REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	9,535		9,535
* XX005845	MODULAR CONCRETE PAVERS (SPECIAL)	SQ FT	765	765	
*^ XX005928	TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)	EACH	1		1
*^ XX005931	TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	7		7
*^ XX005937	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	8		8
*^ XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1		1
* XX006522	FURNISH WITNESS POST	EACH	61	61	
*^ XX006570	TREES (SPECIAL)	EACH	107	107	
*^ XX006655	LAYER II (DATALINK) SWITCH	EACH	2		2
*^ XX006657	RELOCATE EXISTING VIDEO DETECTION SYSTEM (COMPLETE INTERSECTION)	EACH	1		1
* XX006658	FLOCCULATION LOGS	EACH	10	10	
* XX006659	FLOCCULATION POWDER	POUND	25	25	
* XX006698	TREE PROTECTION & PRESERVATION	EACH	124	124	
* XX006731	LEVEL SPREADER	EACH	3	3	
* XX007957	EROSION CONTROL, TEMPORARY CHANNEL DIVERSION	FOOT	100	100	
*^ XX008131	ELECTRIC CABLE IN CONDUIT, VIDEO NO. 18 3C	FOOT	1,929		1,929
*^ XX008132	RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM	EACH	3		3
*^ XX008253	VIDEO ENCODER	EACH	2		2
* XX008467	AGGREGATE SUBGRADE 12"	SQ YD	43,656	43,656	
* Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	699	699	
* Z0013796	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE	SQ YD	374	374	
* Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1	
* Z0010600	CLEANING DRAINAGE SYSTEM	FOOT	1,293	1,293	
* Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	13	13	
* Z0019600	DUST CONTROL WATERING	UNIT	10	10	
*^ Z0023202	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	91	91	
*^ Z0023204	SEDIMENT CONTROL, SILT FENCE	FOOT	5,243	5,243	
*^ Z0023206	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	FOOT	5,243	5,243	
*^ Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	150	150	
*^ Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	17		17
*^ Z0033050	COAXIAL CABLE IN CONDUIT	FOOT	336		336

^ DENOTES SPECIALTY ITEM
 ^^ DENOTES CONSTRUCTION TYPE CODE 0042
 * DENOTES SPECIAL PROVISION

CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0003	0021
				ROADWAY	SIGNALS
* Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	6,878	6,878	
* Z0053700	RESETTING SURVEY MONUMENTS	EACH	3	3	
* Z0062456	TEMPORARY PAVEMENT	SQ YD	1,668	1,668	
* Z0070200	SURVEY MONUMENTS	EACH	18	18	
*^ Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3		3
*^ Z0076600	TRAINEES	HOUR	1,500	1,500	
*^ Z008468	RELOCATE EXISTING ENCODER	EACH	4		4

^ DENOTES SPECIALTY ITEM
 ^^ DENOTES CONSTRUCTION TYPE CODE 0042
 * DENOTES SPECIAL PROVISION

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

DESIGNED - JRR	REVISED - 11/14/2011
DRAWN - JRR	REVISED - 5/16/2012
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

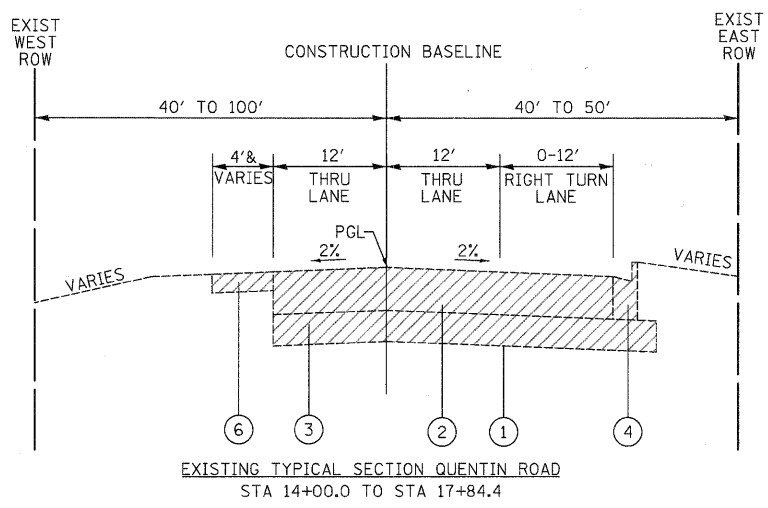
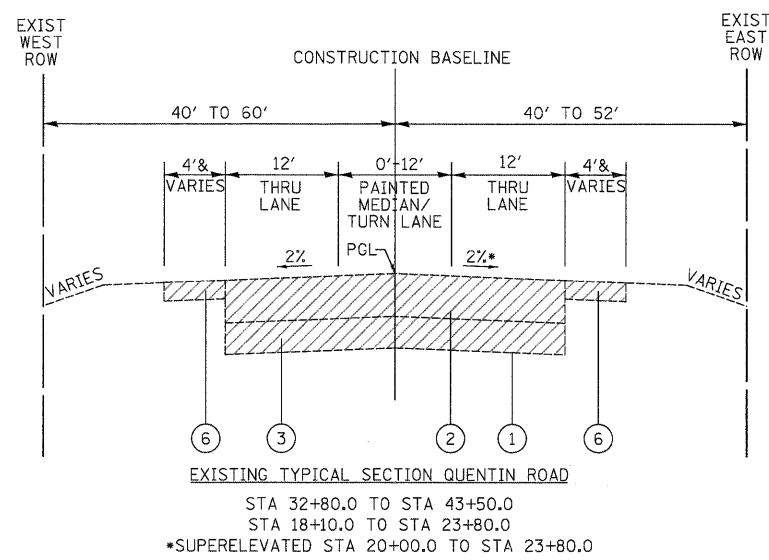
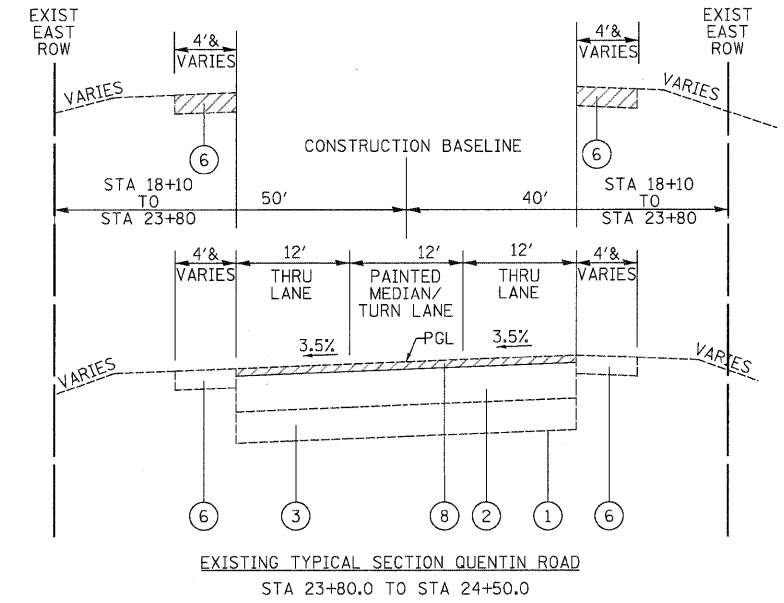
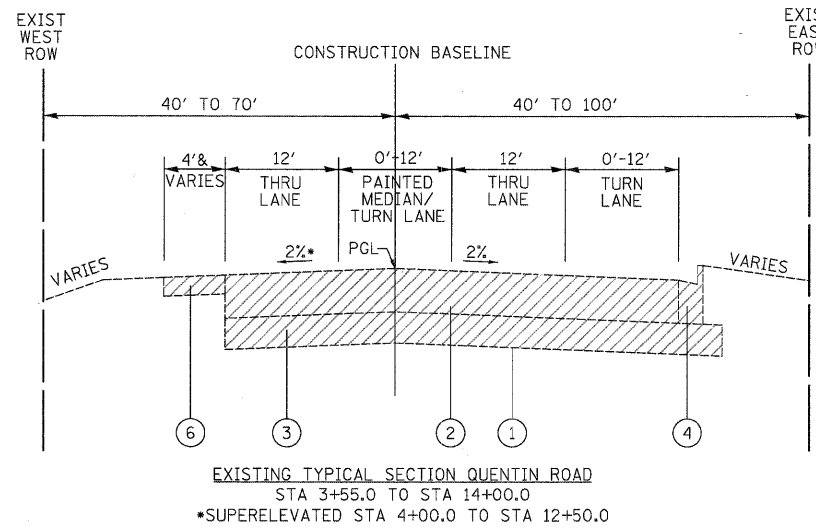
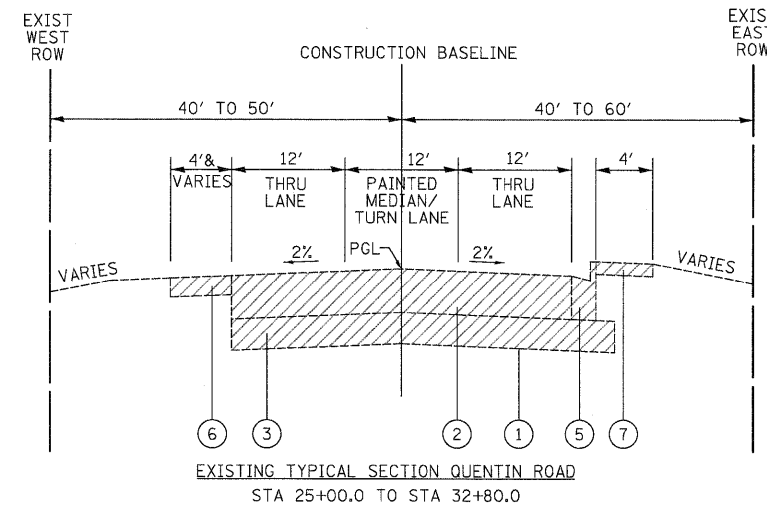
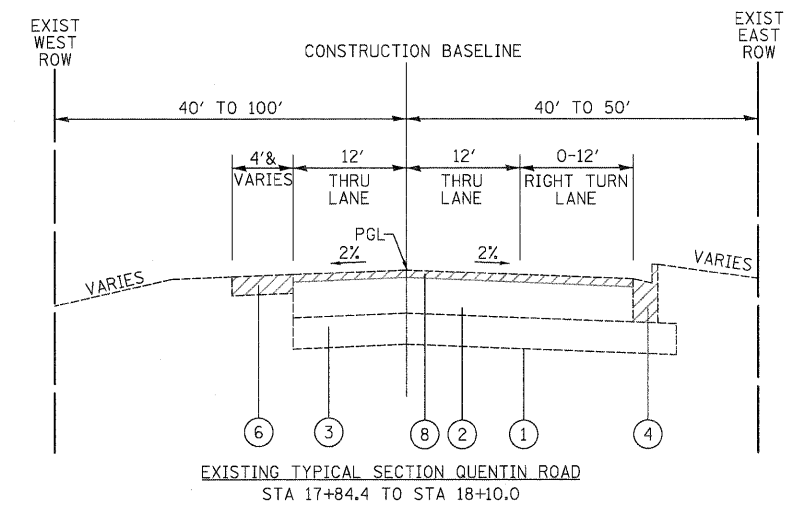
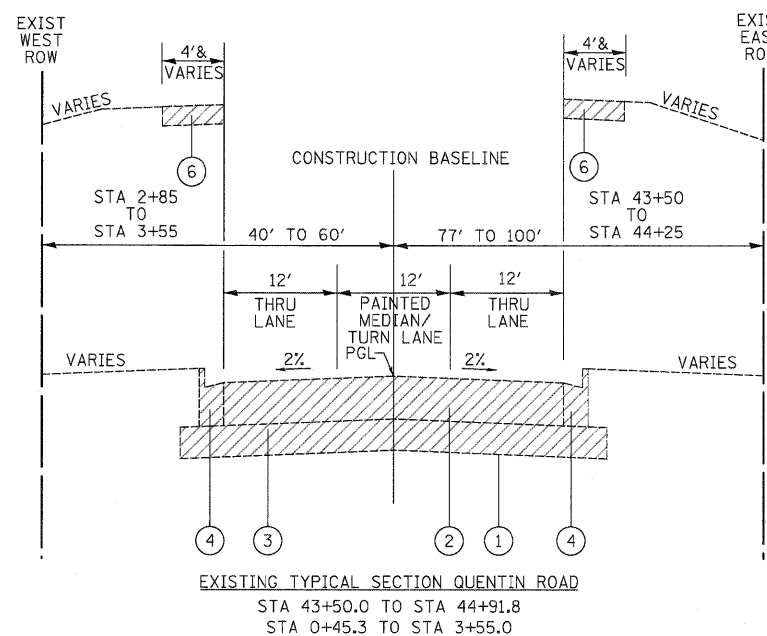
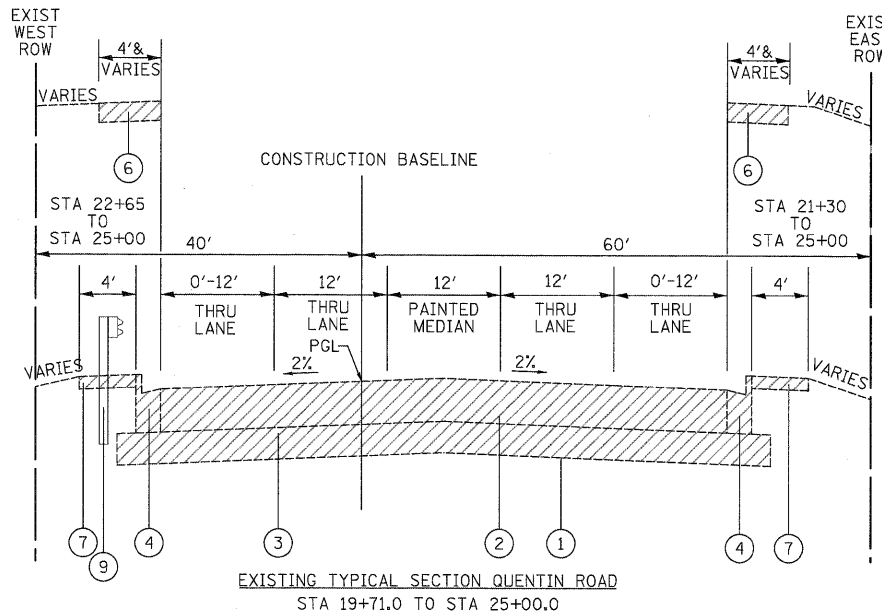
SUMMARY OF QUANTITIES

SHEET NO. 4 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	7
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



- EXISTING LEGEND**
- ① EXISTING SUBGRADE SOILS (REFERENCE ROADWAY SOIL INVESTIGATION PREPARED BY CHICAGO TESTING LABORATORY, INC. DATED JULY 13 2005)
 - ② EXISTING HOT-MIX ASPHALT PAVEMENT, THICKNESS VARIES FROM 13" TO 18" (REFERENCE ROADWAY SOIL INVESTIGATION PREPARED BY CHICAGO TESTING LABORATORY, INC. DATED JULY 13 2005)
 - ③ EXISTING AGGREGATE SUBGRADE
 - ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - ⑥ EXISTING AGGREGATE SHOULDER
 - ⑦ EXISTING HOT-MIX ASPHALT SHOULDER, 4"
 - ⑧ HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - ⑨ EXISTING GUARD RAIL
 - ▨ REMOVAL

NOTE: INTERSECTION AT RAND ROAD IS OMITTED

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NO SCALE

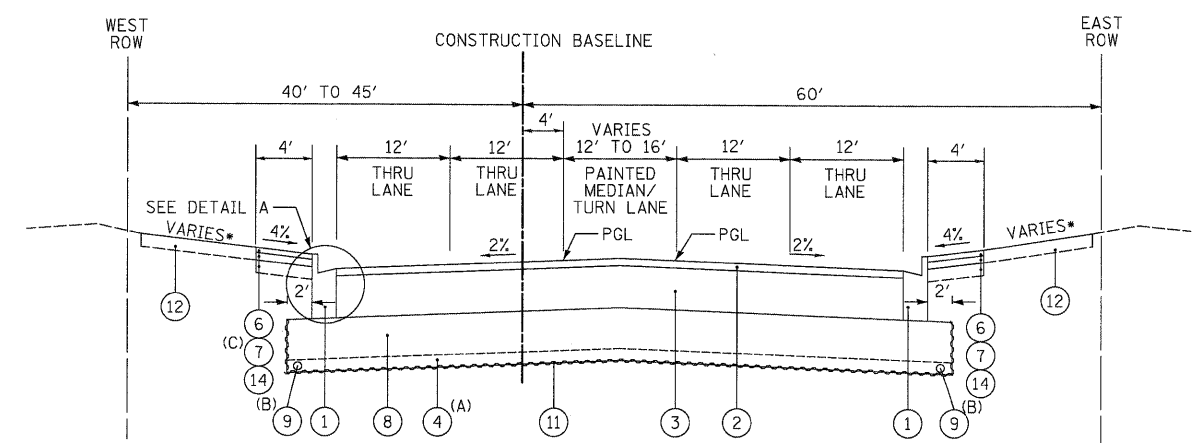
EXISTING TYPICAL SECTIONS

SHEET NO. 1 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	8
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

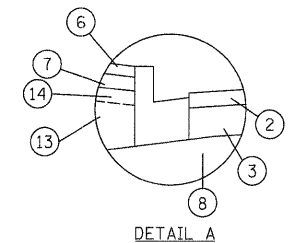
DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____



PROPOSED TYPICAL SECTION QUENTIN ROAD
 STA 19+71.0 TO STA 32+20.0

(A) SEE SOIL NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING
 (B) UNDER DRAINS AT THE OUTSIDE EDGE OF THE PAVEMENT DRAIN THE AGGREGATE SUBGRADE WITH TRANSVERSE UNDERDRAINS INSTALLED APPROXIMATELY EVERY 300 FT TO 500 FT, AT THE LOW POINTS OF THE PROFILE, AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.
 (C) FROM STA 19+71 TO 22+55.6 : HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 4-1/2"

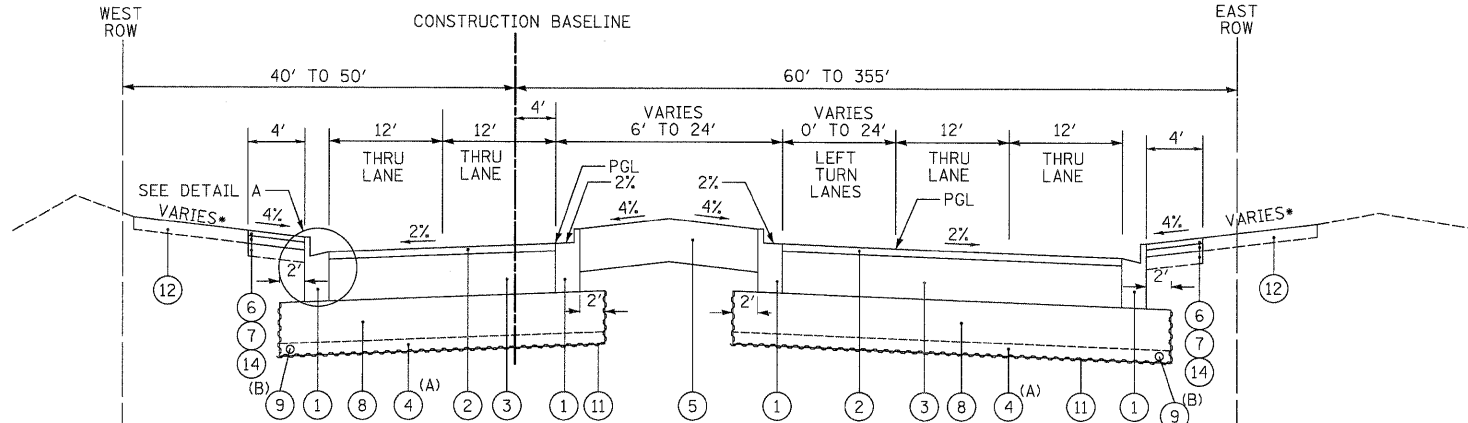


DETAIL A

- PROPOSED LEGEND**
- ① PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ② PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
 - ③ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8-1/2"
 - ④ PROPOSED REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND PROPOSED PGE, SUBGRADE
 - ⑤ PROPOSED FURNISH AND PLACE TOPSOIL, 24" (SEE LANDSCAPING SHEETS FOR LIMITS)
 - ⑥ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1-1/2"
 - ⑦ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/2"
 - ⑧ PROPOSED AGGREGATE SUBGRADE, 12"
 - ⑨ PROPOSED PIPE UNDERDRAINS, 4" (MODIFIED)
 - ⑩ PROPOSED CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)
 - ⑪ PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 - ⑫ PROPOSED FURNISH AND PLACE TOPSOIL, 4" (SEE LANDSCAPING SHEETS FOR LIMITS)
 - ⑬ PROPOSED FURNISHED EXCAVATION
 - ⑭ PROPOSED AGGREGATE BASE COURSE, TYPE A, 4"
- * SLOPE AWAY FROM ROAD IN FILL SECTIONS SLOPE TOWARD ROAD IN CUT SECTIONS
 - ** SEE NEXT SHEET FOR SUPERELEVATION STATIONING AND ELEVATIONS

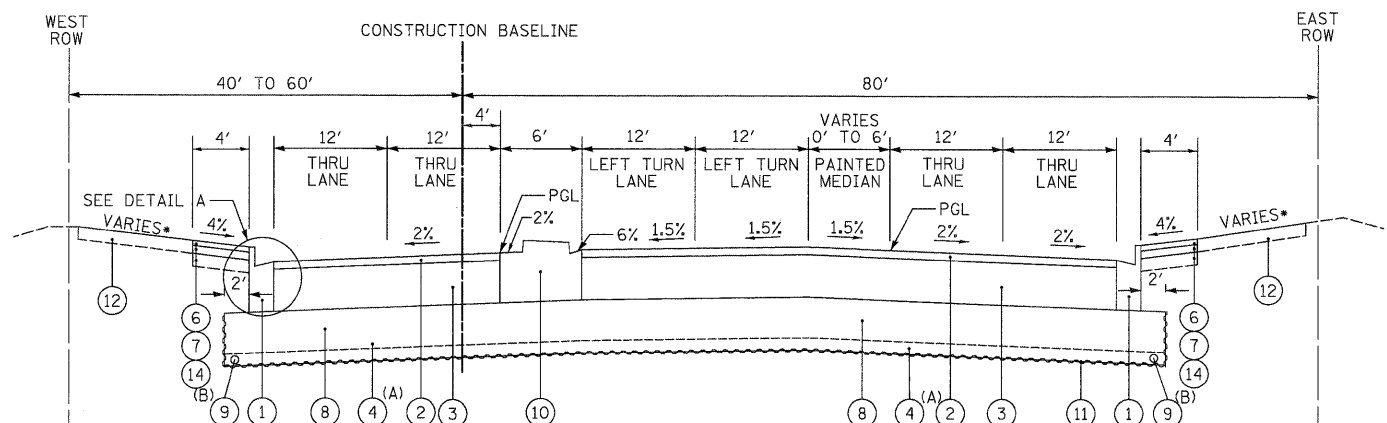
SOILS NOTE:
 POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.
 THE LIMITS OF UNSTABLE SOILS ARE AT THE APPROXIMATE LOCATIONS AS FOLLOWS:

STA TO STA	ESTIMATED UNDERCUT BELOW DESIGN SUBGRADE
26+82 TO 29+85	12" FOR FULL WIDTH
32+25 TO 33+75	EXCAVATE TO ELEV 785
33+75 TO 37+50	EXCAVATE TO ELEV 787
39+88 TO 42+63	10" FOR FULL WIDTH
0+00 TO 3+24	10" FOR FULL WIDTH
2+75 TO 4+00	EXCAVATE TO ELEV 787



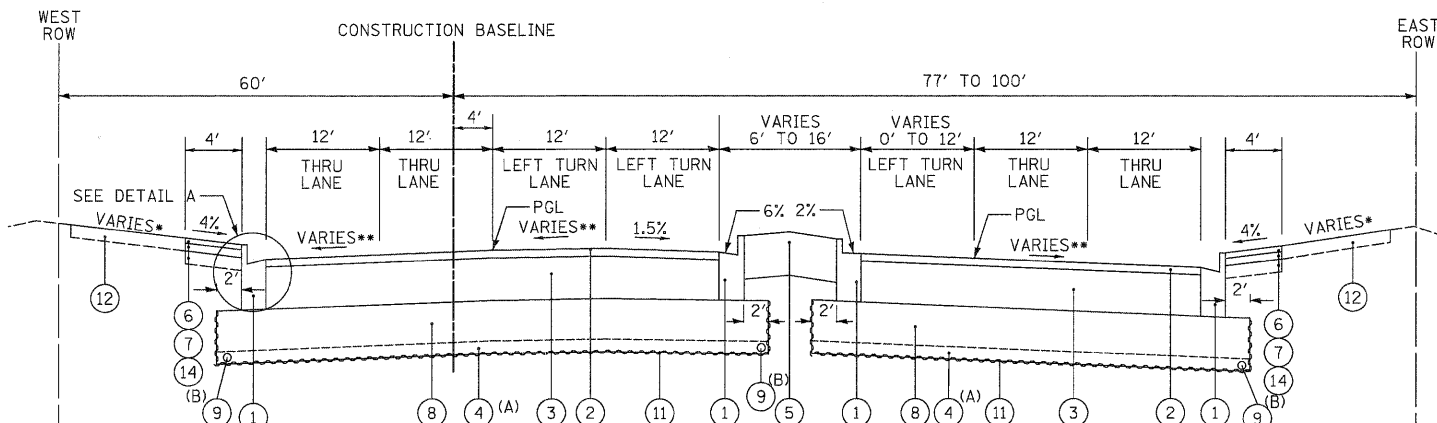
PROPOSED TYPICAL SECTION QUENTIN ROAD
 STA 32+20.0 TO STA 40+48.0

(A) SEE SOIL NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING
 (B) UNDER DRAINS AT THE OUTSIDE EDGE OF THE PAVEMENT DRAIN THE AGGREGATE SUBGRADE WITH TRANSVERSE UNDERDRAINS INSTALLED APPROXIMATELY EVERY 300 FT TO 500 FT, AT THE LOW POINTS OF THE PROFILE, AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.



PROPOSED TYPICAL SECTION QUENTIN ROAD
 STA 40+48.0 TO STA 44+91.8

(A) SEE SOIL NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING
 (B) UNDER DRAINS AT THE OUTSIDE EDGE OF THE PAVEMENT DRAIN THE AGGREGATE SUBGRADE WITH TRANSVERSE UNDERDRAINS INSTALLED APPROXIMATELY EVERY 300 FT TO 500 FT, AT THE LOW POINTS OF THE PROFILE, AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.



PROPOSED TYPICAL SECTION QUENTIN ROAD
 STA 0+45.3 TO STA 3+92.6

(A) SEE SOIL NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING
 (B) UNDER DRAINS AT THE OUTSIDE EDGE OF THE PAVEMENT DRAIN THE AGGREGATE SUBGRADE WITH TRANSVERSE UNDERDRAINS INSTALLED APPROXIMATELY EVERY 300 FT TO 500 FT, AT THE LOW POINTS OF THE PROFILE, AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

NO SCALE

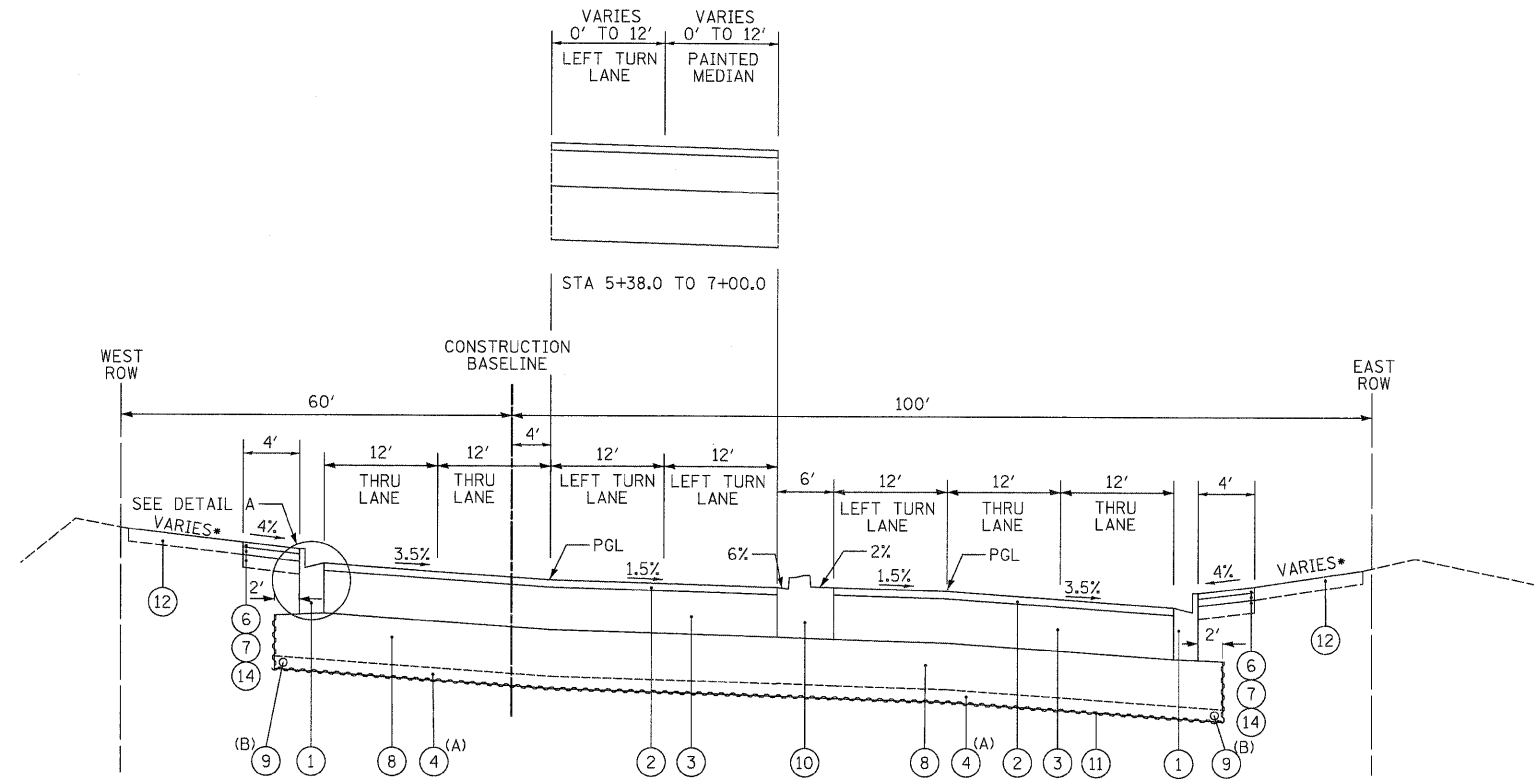
PROPOSED TYPICAL SECTIONS

SHEET NO. 2 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	9
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

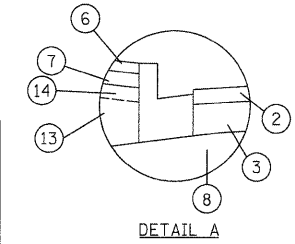
DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



PROPOSED TYPICAL SECTION FOR QUENTIN ROAD
STA 3+92.6 TO STA 7+00.0
(SUPERELEVATED RIGHT)

(A) SEE SOIL NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING
(B) UNDER DRAINS AT THE OUTSIDE EDGE OF THE PAVEMENT DRAIN THE AGGREGATE SUBGRADE WITH TRANSVERSE UNDERDRAINS INSTALLED APPROXIMATELY EVERY 300 FT TO 500 FT, AT THE LOW POINTS OF THE PROFILE, AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.



- PROPOSED LEGEND
- ① PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ② PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
 - ③ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8-1/2"
 - ④ PROPOSED REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND PROPOSED PGE, SUBGRADE
 - ⑤ NUMBER NOT USED
 - ⑥ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1-1/2"
 - ⑦ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/2"
 - ⑧ PROPOSED AGGREGATE SUBGRADE, 12"
 - ⑨ PROPOSED PIPE UNDERDRAINS, 4" (MODIFIED)
 - ⑩ PROPOSED CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)
 - ⑪ PROPOSED GEOTECHINCAL FABRIC FOR GROUND STABILIZATION
 - ⑫ PROPOSED FURNISH AND PLACE TOPSOIL, 4" (SEE LANDSCAPING SHEETS FOR LIMITS)
 - ⑬ PROPOSED FURNISHED EXCAVATION
 - ⑭ PROPOSED AGGREGATE BASE COURSE, TYPE A, 4"
- * SLOPE AWAY FROM ROAD IN FILL SECTIONS SLOPE TOWARD ROAD IN CUT SECTIONS

Superelevation Variables		
Radius of curve*	1386.700	ft.
Max speed =	45.000	mph
Width of lane =	24.000	ft.
e (BLRS Fig. 29-3C) =	0.035	f/f
Max Grade =	0.539	%
Normal Slope =	0.020	f/f
PC =	02+99.52	
PT =	12+15.10	
e _{max}	4.0	%
K =	0.0148	
RS (BLRS Fig. 29-3D) =	185.00	
L ₁ = L _{min} (BLRS Fig. 29-3C) =	71.00	ft
TR (BLRS Fig. 29-3C) =	31.00	ft

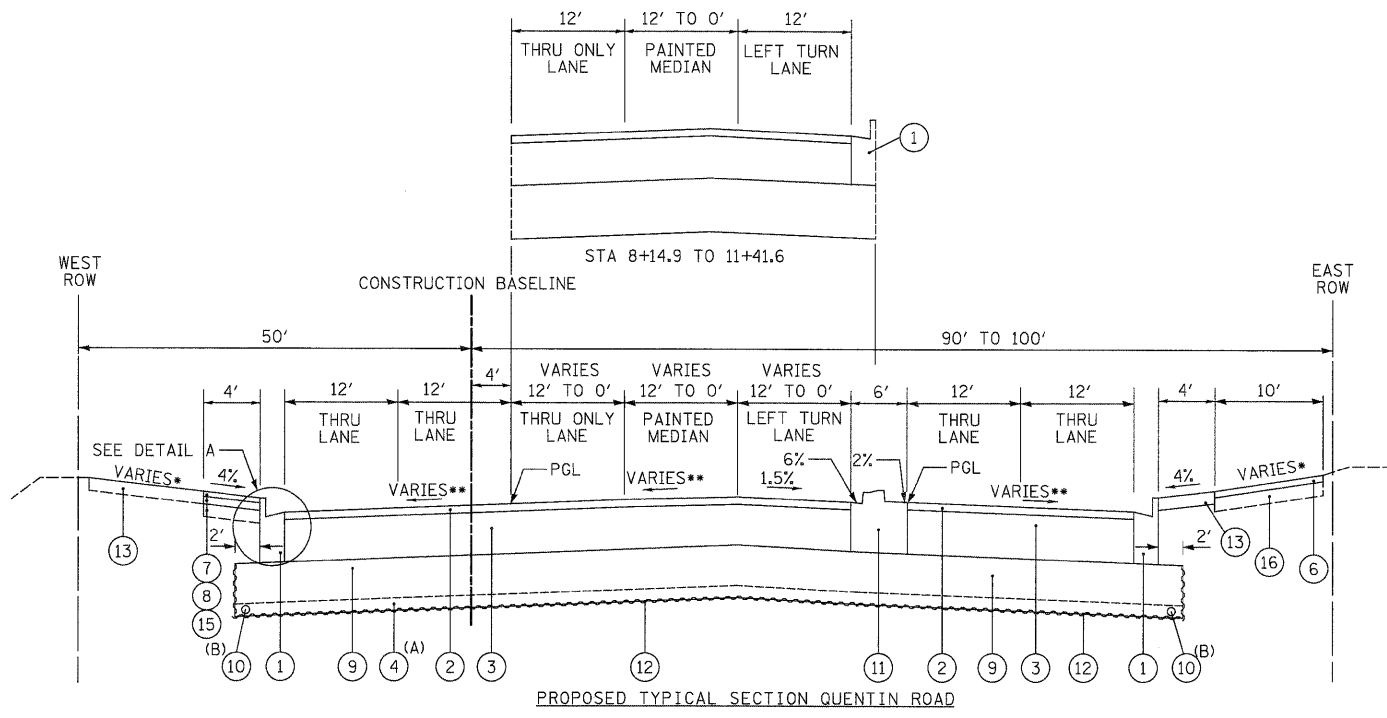
Superelevation Stationing and Elevations									
Transition Point	NB PGL		Station	Super Rate	SB Lt EOP	SB PGL	NB RT EOP	Super Rate	NB Lt EOP
Normal	806.80	A =	02+23.02	-0.020	806.32	806.80	806.32	-0.020	806.80
	806.65		02+50.00	-0.005	806.70	806.81	806.17	-0.020	806.65
Zero	806.63	B =	02+54.02	0.000	806.81	806.81	806.15	-0.020	806.63
	806.47	C =	02+97.20	0.020	807.33	806.85	805.99	-0.020	806.49
Edge Breakpoint	806.37	D =	02+99.52	0.021	807.27	806.77	805.87	-0.021	806.41
	806.38		03+00.00	0.021	807.28	806.78	805.88	-0.021	806.42
Full Super	806.26	E =	03+25.02	0.035	807.53	806.69	805.42	-0.035	806.33
Full Super	806.14		03+50.00	0.035	807.44	806.60	805.30	-0.035	806.24
Full Super	806.07		04+00.00	0.035	807.45	806.61	805.23	-0.035	806.25
Full Super	806.19		04+50.00	0.035	807.57	806.73	805.35	-0.035	806.37
Full Super	806.48		05+00.00	0.035	807.86	807.02	805.64	-0.035	806.66
Full Super	806.79		05+50.00	0.035	808.17	807.33	805.95	-0.035	806.97
Full Super	807.10		06+00.00	0.035	808.48	807.64	806.26	-0.035	807.28
Full Super	807.42		06+50.00	0.035	808.80	807.96	806.58	-0.035	807.60
Full Super	807.73	Intersection	07+00.00	0.035	809.02	808.18	806.89	-0.035	807.73
Full Super	808.04	Intersection	07+50.00	0.035	809.37	808.53	807.20	-0.035	808.04
Full Super	808.36	Intersection	08+00.00	0.035	809.74	808.90	807.52	-0.035	808.36
Full Super	808.67		08+50.00	0.035	810.04	809.20	807.83	-0.035	808.67
Full Super	808.98		09+00.00	0.035	810.34	809.50	808.14	-0.035	808.98
Full Super	809.30		09+50.00	0.035	810.63	809.79	808.46	-0.035	809.30
Full Super	809.61		10+00.00	0.035	810.92	810.08	808.77	-0.035	809.61
Full Super	809.92		10+50.00	0.035	811.20	810.36	809.08	-0.035	809.92
Full Super	810.24		11+00.00	0.035	811.48	810.64	809.40	-0.035	810.24
Full Super	810.55		11+50.00	0.035	811.74	810.90	809.71	-0.035	810.55
Full Super	810.80	E =	11+89.60	0.035	811.92	811.08	809.96	-0.035	810.80
	810.86		12+00.00	0.029	811.82	811.12	810.16	-0.029	810.86
PT	810.96	D =	12+15.10	0.021	811.70	811.19	810.46	-0.021	810.96
Edge Breakpoint	810.97	C =	12+17.42	0.020	811.68	811.20	810.49	-0.020	810.97
	811.18		12+50.00	0.006	811.49	811.35	810.70	-0.020	811.18
Zero	811.25	B =	12+60.60	0.000	811.40	811.40	810.77	-0.020	811.25
Normal	811.44	A =	12+91.60	-0.020	811.05	811.53	810.96	-0.020	811.44

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS
RESURFACING	
HOT-MIX SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 1-1/2" & 2"	4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	4% @ 50 Gyr.
FULL DEPTH PAVEMENT	
HOT-MIX SURFACE COURSE, MIX "D", N70 (IL 9.5 mm), 2"	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8-1/2" (3 LIFTS)	4% @ 70 Gyr.
SHOULDERS	
HOT-MIX SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 1-1/2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/2" & 4-1/2" (1 LIFT)	4% @ 50 Gyr.
DRIVEWAYS	
HOT-MIX SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2-1/2"	4% @ 50 Gyr.
BIKEPATH	
HOT-MIX SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 3"	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 Gyr.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" (3 LIFTS)	4% @ 50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG-70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

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

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



- PROPOSED LEGEND**
- ① PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ② PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
 - ③ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8-1/2"
 - ④ PROPOSED REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND PROPOSED P.G.E. SUBGRADE
 - ⑤ NUMBER NOT USED
 - ⑥ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
 - ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1-1/2"
 - ⑧ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/2"
 - ⑨ PROPOSED AGGREGATE SUBGRADE, 12"
 - ⑩ PROPOSED PIPE UNDERDRAINS, 4" (MODIFIED)
 - ⑪ PROPOSED CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)
 - ⑫ PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 - ⑬ PROPOSED FURNISH AND PLACE TOPSOIL, 4" (SEE LANDSCAPING SHEETS FOR LIMITS)
 - ⑭ PROPOSED FURNISHED EXCAVATION
 - ⑮ PROPOSED AGGREGATE BASE COURSE, TYPE A, 4"
 - ⑯ PROPOSED AGGREGATE BASE COURSE, TYPE A, 6"
- SLOPE AWAY FROM ROAD IN FILL SECTIONS SLOPE TOWARD ROAD IN CUT SECTIONS
 - ** SEE PREVIOUS SHEET FOR SUPERELEVATION STATIONING AND ELEVATIONS

(A) SEE SOIL NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING
 (B) UNDER DRAINS AT THE OUTSIDE EDGE OF THE PAVEMENT DRAIN THE AGGREGATE SUBGRADE WITH TRANSVERSE UNDERDRAINS INSTALLED APPROXIMATELY EVERY 300 FT TO 500 FT, AT THE LOW POINTS OF THE PROFILE, AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.

DESIGN DESIGNATION:
 QUENTIN ROAD 2720 (32) MAJOR COLLECTOR 1.43 (B-20)

LCDOT FLEXIBLE PAVEMENT DESIGN:
 DATE = 5/16/2008
 PROJECT = QUENTIN ROAD
 YEAR OF ADT = 2004
 ADT = 17,000
 ANNUAL GROWTH PERCENTAGE (NON-COMPOUNDED) = 1%
 GROWTH = 1% PER YEAR x DESIGN PERIOD x ADT = 3378
 SPECIAL ADJUSTMENTS FOR KNOWN DEVELOPMENT, ETC. = 0
 DESIGN PERIOD IN YEARS = 20
 CONSTRUCTION YEAR = 2012
 STRUCTURAL DESIGN TRAFFIC (SDT) = 20060
 PC = 96.75% = 19408
 SU = 2.25% = 451
 MU = 1.00% = 201
 LOAD LIMIT (73,280 STANDARD) OR 80,000 = 80,000
 CLASS ROAD (1,2,3,4) = 1
 SUBGRADE SUPPORT RATING = POOR
 FLEXIBLE TRAFFIC FACTOR (TF) = 1.42764011
 SELECTED DESIGN AC TYPE = PG 64-22 (OLD AC-10)
 DESIGN AC MIXTURE TEMPERATURE (DEGREES F) = 76
 DESIGN BITUMINOUS CONCRETE MODULES = 650
 DESIGN AC MICROSTRAIN = 104
 PAVEMENT THICKNESS REQUIRED (INCHES) = 10.5
 SUBGRADE = 12

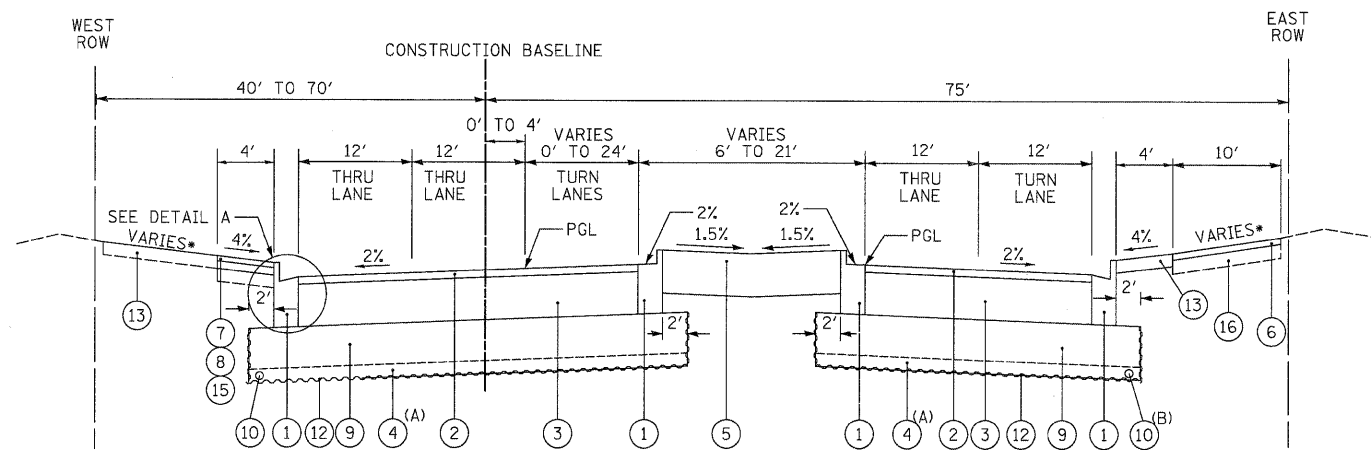
SOILS NOTE:
 POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

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

STA TO STA	ESTIMATED UNDERCUT BELOW DESIGN SUBGRADE
6+09 TO 8+78	12" FOR FULL WIDTH

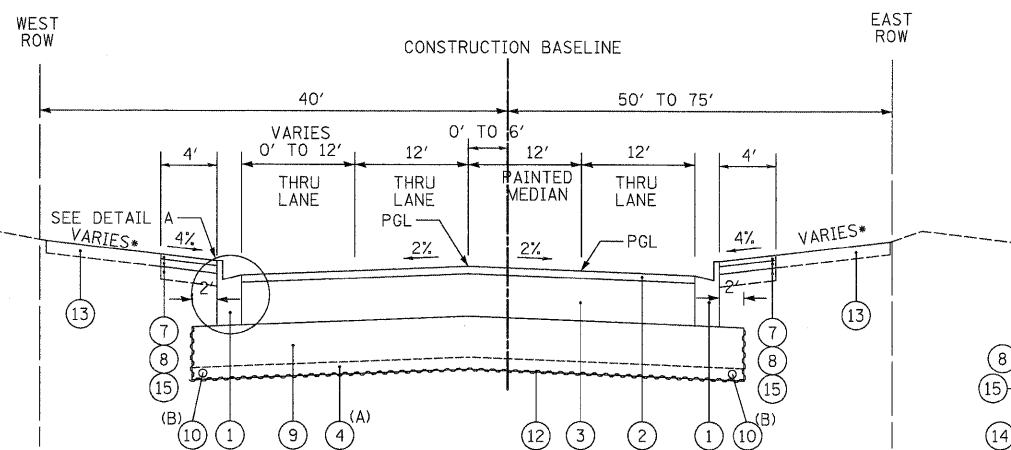
DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
NO. OF SHEETS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

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



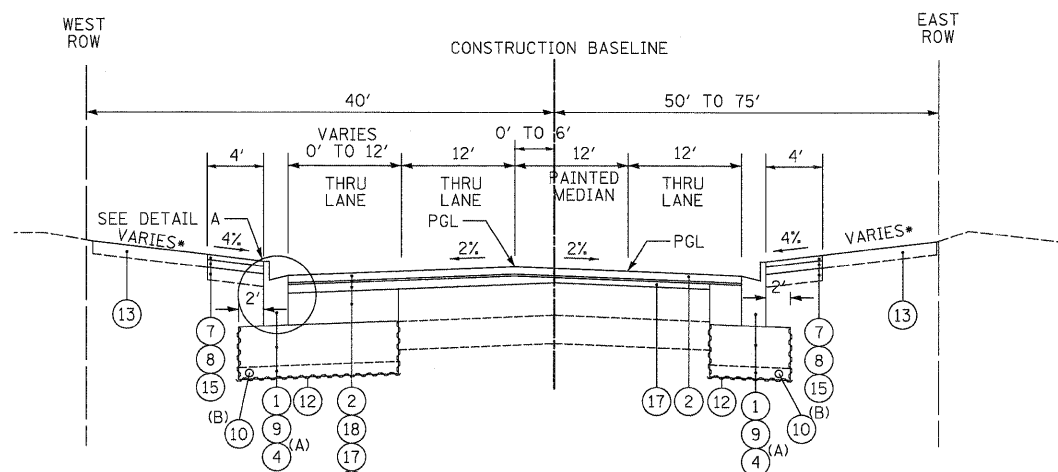
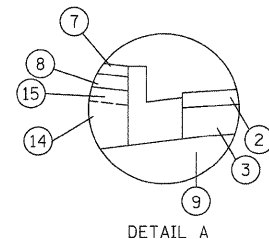
PROPOSED TYPICAL SECTION QUENTIN ROAD
STA 11+41.6 TO STA 17+25.5

(A) SEE SOIL NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING
(B) UNDER DRAINS AT THE OUTSIDE EDGE OF THE PAVEMENT DRAIN THE AGGREGATE SUBGRADE WITH TRANSVERSE UNDERDRAINS INSTALLED APPROXIMATELY EVERY 300 FT TO 500 FT, AT THE LOW POINTS OF THE PROFILE, AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.



PROPOSED TYPICAL SECTION QUENTIN ROAD
STA 17+25.5 TO STA 17+84.4

(A) SEE SOIL NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING
(B) UNDER DRAINS AT THE OUTSIDE EDGE OF THE PAVEMENT DRAIN THE AGGREGATE SUBGRADE WITH TRANSVERSE UNDERDRAINS INSTALLED APPROXIMATELY EVERY 300 FT TO 500 FT, AT THE LOW POINTS OF THE PROFILE, AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.



PROPOSED TYPICAL SECTION QUENTIN ROAD
STA 17+84.4 TO STA 18+85.0

(A) SEE SOIL NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING
(B) UNDER DRAINS AT THE OUTSIDE EDGE OF THE PAVEMENT DRAIN THE AGGREGATE SUBGRADE WITH TRANSVERSE UNDERDRAINS INSTALLED APPROXIMATELY EVERY 300 FT TO 500 FT, AT THE LOW POINTS OF THE PROFILE, AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.

PROPOSED LEGEND

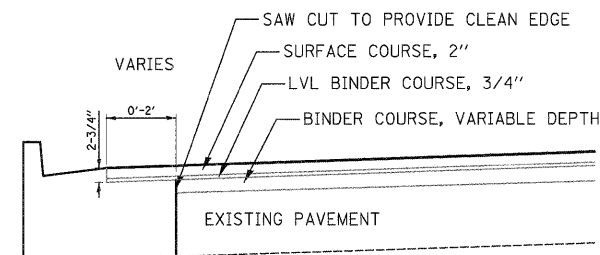
- ① PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - ② PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
 - ③ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8-1/2"
 - ④ PROPOSED REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND PROPOSED P.G.E, SUBGRADE
 - ⑤ PROPOSED FURNISH AND PLACE TOPSOIL, 24" (SEE LANDSCAPING SHEETS FOR LIMITS)
 - ⑥ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 3"
 - ⑦ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1-1/2"
 - ⑧ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/2"
 - ⑨ PROPOSED AGGREGATE SUBGRADE, 12"
 - ⑩ PROPOSED PIPE UNDERDRAINS, 4" (MODIFIED)
 - ⑪ NUMBER NOT USED
 - ⑫ PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 - ⑬ PROPOSED FURNISH AND PLACE TOPSOIL, 4" (SEE LANDSCAPING SHEETS FOR LIMITS)
 - ⑭ PROPOSED FURNISHED EXCAVATION
 - ⑮ PROPOSED AGGREGATE BASE COURSE, TYPE A, 4"
 - ⑯ PROPOSED AGGREGATE BASE COURSE, TYPE A, 6"
 - ⑰ PROPOSED LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH
 - ⑱ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, 3/4"
- SLOPE AWAY FROM ROAD IN FILL SECTIONS SLOPE TOWARD ROAD IN CUT SECTIONS

SOILS NOTE:

POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

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

STA TO STA	ESTIMATED UNDERCUT BELOW DESIGN SUBGRADE
14+69 TO 17+37	10" FOR FULL WIDTH



COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 MODIFIED/B-6.24 MODIFIED/ MEDIAN SB-6.12 MODIFIED
AT LOCATIONS WHERE WIDENING IS 2' OR LESS

*NOTE:

1. AT LOCATIONS WHERE WIDENING IS 2' OR LESS - POURED MONOLITHIC WITH CURB.
2. AT LOCATIONS WHERE WIDENING IS 2' TO 4' THERE SHALL BE A NON-MONOLITHIC PCC BASE COURSE.
3. AT LOCATIONS WHERE WIDENING IS GREATER THAN 4', HMA PAVEMENT WILL BE CONSTRUCTED.

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

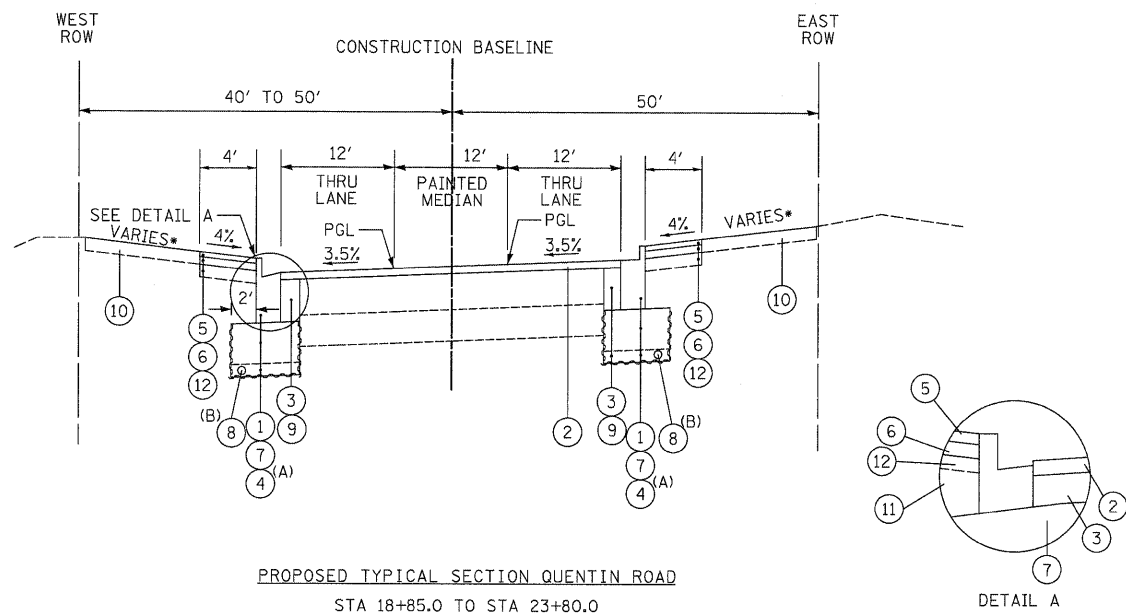
NO SCALE

PROPOSED TYPICAL SECTIONS

SHEET NO. 5 OF 8 SHEETS

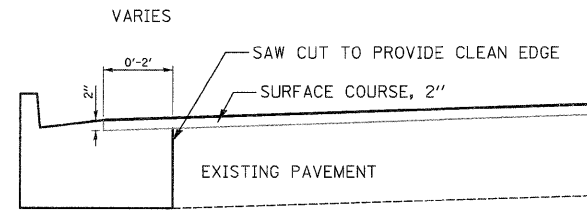
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	12
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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



PROPOSED TYPICAL SECTION QUENTIN ROAD
STA 18+85.0 TO STA 23+80.0
(SUPERELEVATED LEFT)

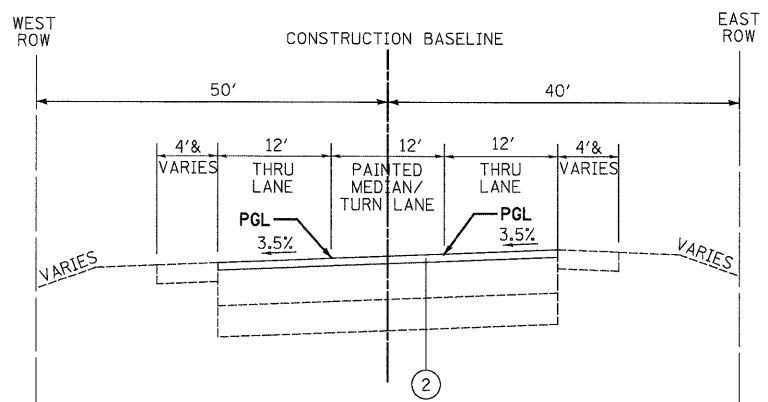
(A) SEE SOIL NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING
(B) UNDER DRAINS AT THE OUTSIDE EDGE OF THE PAVEMENT DRAIN THE AGGREGATE SUBGRADE WITH TRANSVERSE UNDERDRAINS INSTALLED APPROXIMATELY EVERY 300 FT TO 500 FT, AT THE LOW POINTS OF THE PROFILE, AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.



COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 MODIFIED/B-6.24 MODIFIED/ MEDIAN SB-6.12 MODIFIED
AT LOCATIONS WHERE WIDENING IS 2' OR LESS

- *NOTE:
- AT LOCATIONS WHERE WIDENING IS 2' OR LESS - POURED MONOLITHIC WITH CURB.
 - AT LOCATIONS WHERE WIDENING IS 2' TO 4' THERE SHALL BE A NON-MONOLITHIC PCC BASE COURSE.
 - AT LOCATIONS WHERE WIDENING IS GREATER THAN 4', HMA PAVEMENT WILL BE CONSTRUCTED.

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



PROPOSED TYPICAL SECTION QUENTIN ROAD
STA 23+80.0 TO STA 24+50.0
(SUPERELEVATED LEFT)

- PROPOSED LEGEND
- PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
 - PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8-1/2"
 - PROPOSED REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND PROPOSED P.G.E., SUBGRADE
 - PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1-1/2"
 - PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/2"
 - PROPOSED AGGREGATE SUBGRADE, 12"
 - PROPOSED PIPE UNDERDRAINS, 4" (MODIFIED)
 - PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 - PROPOSED FURNISH AND PLACE TOPSOIL, 4" (SEE LANDSCAPING SHEETS FOR LIMITS)
 - PROPOSED FURNISHED EXCAVATION
 - PROPOSED AGGREGATE BASE COURSE, TYPE A, 4"

* SLOPE AWAY FROM ROAD IN FILL SECTIONS SLOPE TOWARD ROAD IN CUT SECTIONS

Superelevation Variables		
Radius of curve*	1910.100	ft.
Max speed =	45.000	mph
Width of lane =	18.000	ft.
e (BLRS Fig. 29-3C) =	0.035	ff
Max Grade =	0.539	%
Normal Slope =	0.020	ff
PC =	21+09.65	
PT =	27+76.83	
e _{max}	4.0	%
K =	0.0148	
RS (BLRS Fig. 29-3D) =	185.00	
L ₁ = L _{min} (BLRS Fig. 29-3C) =	71.00	ft
TR (BLRS Fig. 29-3C) =	31.00	ft

Superelevation Stationing and Elevations								
Transition Point	NB PGL		Station	Super Rate	SB Lft EOP	SB PGL	NB RT EOP	Super Rate
Normal	802.80	A =	20+33.15	-0.020	802.56	802.80	802.56	-0.020
	802.25		20+50.00	-0.020	801.96	802.20	802.12	-0.011
Zero	801.76	B =	20+64.15	-0.020	801.40	801.64	801.76	0.000
	800.41		21+00.00	-0.020	799.93	800.17	800.64	0.019
Edge Breakpoint	800.12	C =	21+07.33	-0.020	799.64	799.88	800.36	0.020
	800.02	D =	21+09.65	-0.021	799.51	799.76	800.28	0.021
Full Super	806.26	E =	21+35.15	-0.035	805.42	805.84	806.68	0.035
Full Super	798.27		21+50.00	-0.035	797.43	797.85	798.69	0.035
Full Super	795.86		22+00.00	-0.035	795.02	795.44	796.28	0.035
Full Super	793.42		22+50.00	-0.035	792.58	793.00	793.84	0.035
Full Super	790.97		23+00.00	-0.035	790.13	790.55	791.39	0.035
Full Super	788.66		23+50.00	-0.035	787.79	788.24	789.08	0.035
Full Super	(787.35)		23+80.00	-0.035	786.45	786.93	787.77	0.035
Full Super	(786.61)		24+00.00	-0.035	785.69	786.19	787.03	0.035
Full Super	(784.85)		24+50.00	-(0.030)	(784.03)	(784.48)	(785.26)	(0.031)

* Use of Parentheses Indicates the Value Matches Existing Conditions

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

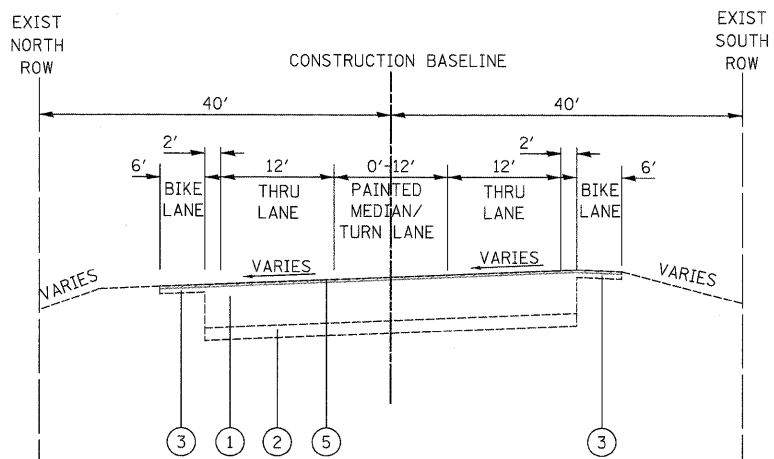
NO SCALE

PROPOSED TYPICAL SECTIONS

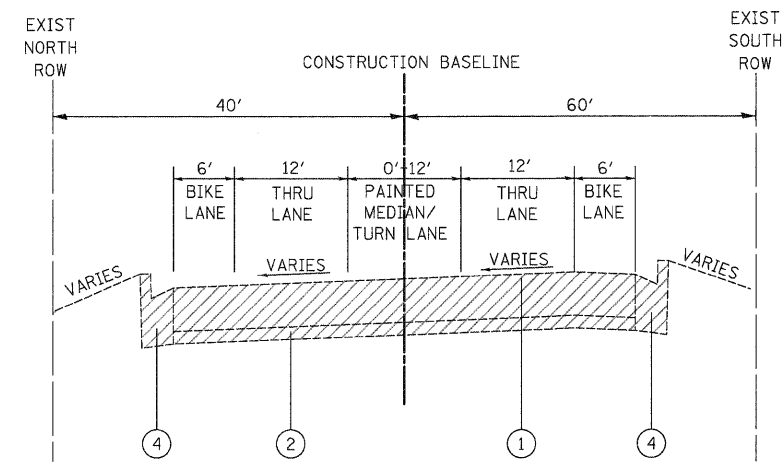
SHEET NO. 6 OF 8 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	13
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

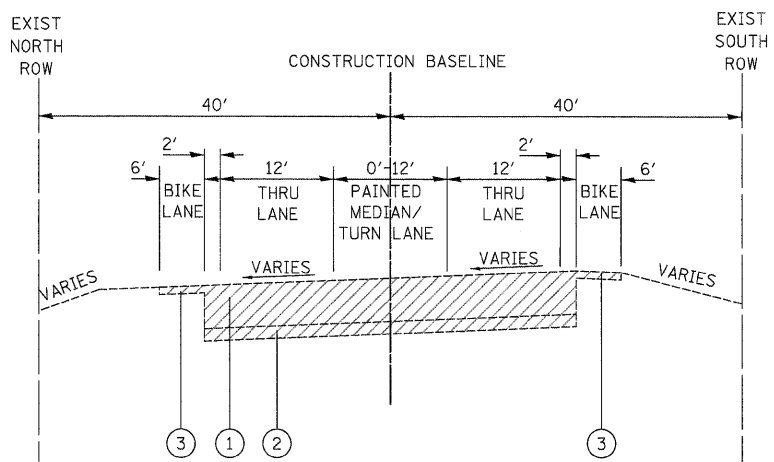
DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	



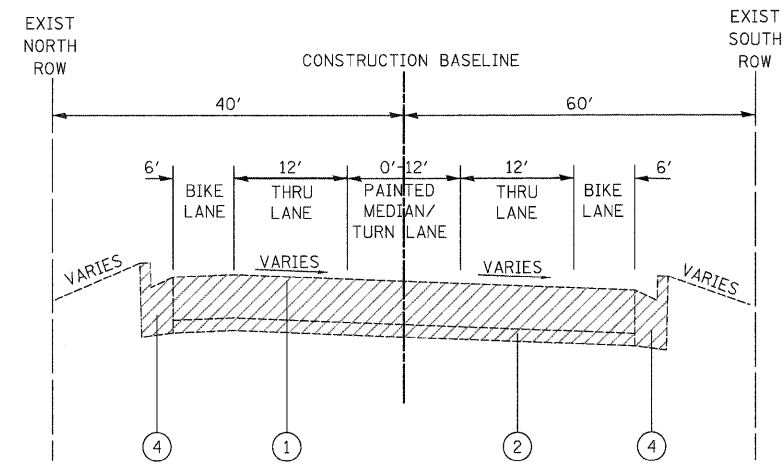
EXISTING TYPICAL SECTION LONG GROVE ROAD
STA 101+80.0 TO STA 104+70.0



EXISTING TYPICAL SECTION LONG GROVE ROAD
STA 105+86.1 TO STA 109+50.0



EXISTING TYPICAL SECTION LONG GROVE ROAD
STA 104+70.0 TO STA 105+86.1



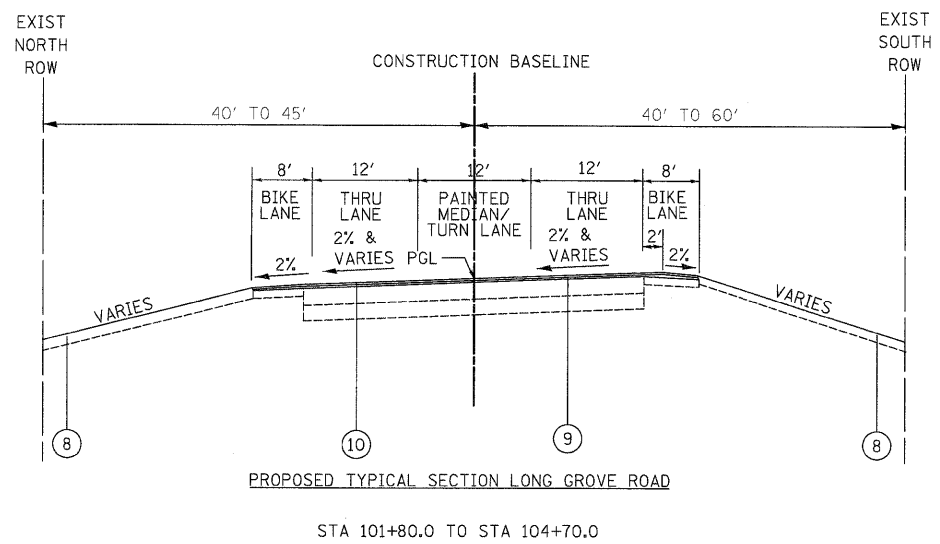
EXISTING TYPICAL SECTION LONG GROVE ROAD
STA 109+50.0 TO STA 110+20.0

EXISTING LEGEND

- ① EXISTING BITUMINOUS PAVEMENT, THICKNESS VARIES FROM 13" TO 18"
- ② EXISTING AGGREGATE SUBGRADE
- ③ EXISTING BITUMINOUS SHOULDER, 6" (+)
- ④ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, 1"
- ▨ REMOVAL

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREAS CHECKED
NO.	

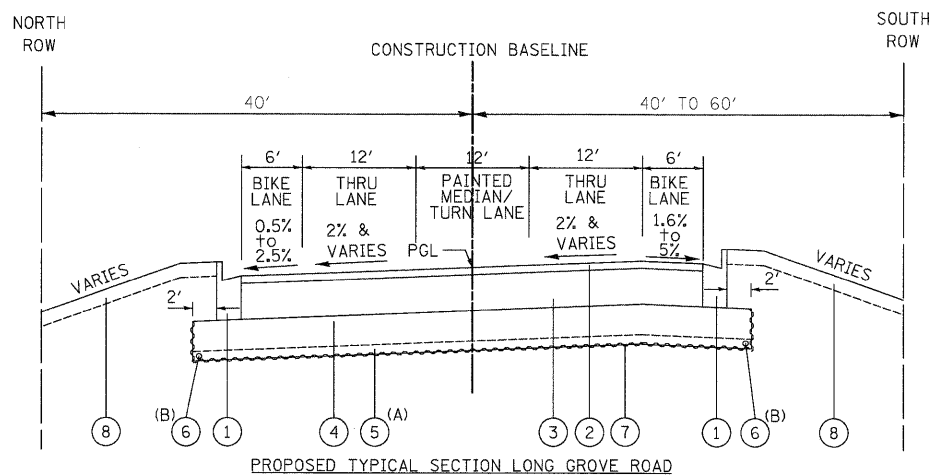
DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____



PROPOSED LEGEND

- ① PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ② PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- ③ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8-1/2"
- ④ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑤ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND PROPOSED PGE, SUBGRADE
- ⑥ PROPOSED PIPE UNDERDRAINS, 4" (MODIFIED)
- ⑦ PROPOSED GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑧ PROPOSED FURNISH AND PLACE TOPSOIL, 4" (SEE LANDSCAPING SHEETS)
- ⑨ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" MIN.
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1-1/2"

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____



Superelevation Variables		
Radius of curve*	4092.660	ft.
Max speed =	40.000	mph
Width of lane =	18.000	ft.
e (BLRS Fig. 29-3C) =	0.020	#/f
Max Grade =	2.010	%
Normal Slope =	0.020	#/f
PC =	102+58.79	
PT =	108+33.42	
e _{max}	4.0	%
K =	0.0085	
RS (BLRS Fig. 29-3D) =	172.00	
L ₁ = L _{min} (BLRS Fig. 29-3C) =	28.00	ft
TR (BLRS Fig. 29-3C) =	28.00	ft

Superelevation Stationing and Elevations							
Transition Point	PGL		Station	Super Rate	EB EOL	WB EOL	Super Rate
Beginning of Overlay	806.40	Existing	101+80.00	0.022	806.80	805.98	-0.023
Existing Super	806.11		102+00.00	0.021	806.52	805.73	-0.023
	805.13		102+50.00	0.020	805.49	804.77	-0.020
Full Super	804.33		103+00.00	0.020	804.69	803.97	-0.020
Full Super	804.02		103+50.00	0.020	804.38	803.66	-0.020
Full Super	803.84		104+00.00	0.020	804.20	803.48	-0.020
Full Super	803.69		104+50.00	0.020	804.05	803.33	-0.020
Overlay to Reconstruct	803.71		104+70.00	0.018	804.03	803.39	-0.018
Full Super	803.82		105+00.00	0.015	804.09	803.55	-0.015
Full Super	804.09	Intersection	105+50.00	See Intersection Grading Plan			
Full Super	804.76	Intersection	106+00.00	See Intersection Grading Plan			
Full Super	804.88	Intersection	106+50.00	See Intersection Grading Plan			
Full Super	805.74		107+00.00	0.015	806.01	805.47	-0.015
Full Super	806.95		107+50.00	0.020	807.31	806.59	-0.020
Full Super	808.39		108+00.00	0.020	808.75	808.03	-0.020
Full Super	808.95	C =	108+19.42	0.020	809.31	808.59	-0.020
Zero	809.64	B =	108+47.42	0.000	809.64	809.28	-0.020
	809.75		108+50.00	-0.002	809.72	809.39	-0.020
Normal	810.31	A =	108+75.42	-0.020	809.95	809.95	-0.020
	810.75		109+00.00	-0.020	810.39	810.39	-0.020
Existing Super	811.41		109+50.00	-0.002	811.38	811.05	-0.020
Existing Super	811.76		110+00.00	0.012	811.98	811.40	-0.020
End of Reconstruct	811.88		110+20.00	0.016	812.17	811.50	-0.021
Existing Super	812.12	Existing	110+50.00	0.023	812.63	811.70	-0.022

(A) SEE SOIL NOTE AND CROSS SECTION SHEETS FOR LOCATIONS AND DEPTH OF UNDERCUTTING
 (B) UNDER DRAINS AT THE OUTSIDE EDGE OF THE PAVEMENT DRAIN THE AGGREGATE SUBGRADE WITH TRANSVERSE UNDERDRAINS INSTALLED APPROXIMATELY EVERY 300 FT TO 500 FT, AT THE LOW POINTS OF THE PROFILE, AND AT ANY UNDERCUTS DETERMINED IN THE FIELD.

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

DATE _____
 BY _____
 ORIGINAL SURVEY _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

INDEX TO SCHEDULES OF QUANTITIES		
NO.	DESCRIPTION	SHEET NO.
1	SCHEDULE OF EROSION CONTROL ITEMS	16
2	SCHEDULE OF AGGREGATE BASE COURSE	16
3	SCHEDULE OF BITUMINOUS MATERIALS (PRIME COAT)	16
4	SCHEDULE OF SEEDING	16
5	SCHEDULE OF HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	16
6	SCHEDULE OF HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	17
7	SCHEDULE OF TOPSOIL FURNISH AND PLACE	17
8	SCHEDULE OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	17
9	SCHEDULE OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	17
10	SCHEDULE OF TEMPORARY PAVEMENT	17
11	SCHEDULE OF SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	17
12	SCHEDULE OF RAISED REFLECTIVE PAVEMENT MARKERS	17
13	SCHEDULE OF COMBINATION CURB AND GUTTER, TYPE B-6.24	17
14	SCHEDULE OF STORM SEWER REMOVAL AND TRENCH BACKFILL	17
15	SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION	18-21
16	SCHEDULE OF CONCRETE CURB, TYPE B	22
17	SCHEDULE OF CATCH BASINS	22
18	SCHEDULE OF PROTECTIVE COAT	22
19	SCHEDULE OF TREE REMOVAL	22
20	SCHEDULE OF PRECAST REINFORCED CONCRETE FLARED END SECTIONS	22
21	SCHEDULE OF STORM SEWERS AND TRENCH BACKFILL	23
22	SCHEDULE OF PIPE UNDERDRAINS	23
23	SCHEDULE OF DRAINAGE STRUCTURES TO BE CLEANED	23
24	SCHEDULE OF CLEANING DRAINAGE SYSTEM	23
25	SCHEDULE OF DRIVEWAY PAVEMENT REMOVAL	23
26	SCHEDULE OF TEMPORARY PAVEMENT MARKING	24
27	SCHEDULE OF INLETS	24
28	SCHEDULE OF PERMANENT PAVEMENT MARKINGS	24
29	SCHEDULE OF AGGREGATE SUBGRADE	24
30	SCHEDULE OF MANHOLES	24
31	SCHEDULE OF STONE RIPRAP AND FILTER FABRIC	24
32	SCHEDULE OF ITEMS TO BE REMOVED	24
33	SCHEDULE OF GRATING FOR CONCRETE FLARED END SECTIONS	25
34	SCHEDULE OF ITEMS TO BE ADJUSTED	25
35	SCHEDULE OF PAVEMENT MARKING TAPE	25
36	SCHEDULE OF REMOVAL ITEMS	25
37	SCHEDULE OF PAVEMENT MARKING REMOVAL	25
38	SCHEDULE OF MEDIAN ITEMS	25

2		SCHEDULE OF AGGREGATE BASE COURSE		
		(35100300) TYPE A 4"	(35100500) TYPE A 6"	(35100700) TYPE A 8"
FROM	TO	(SQ YD)	(SQ YD)	(SQ YD)
19+71	23+00	314		
23+00	28+00	445		
28+00	33+00	288		
33+00	38+00	437	25	
38+00	43+80	483	75	92
43+80	1+30	158		
1+30	5+00	333		
5+00	9+00	181	236	
9+00	14+00	204	639	
14+00	19+00	274	389	
19+00	24+00	387	124	
107+00	110+20		54	
PROJECT TOTAL		3,504	1,542	92

3		SCHEDULE OF BITUMINOUS MATERIALS (PRIME COAT) (40600100)	
FROM	TO	AREA (SQ YD)	VOLUME (GAL)
19+71	23+00	2,491	1,505
23+00	28+00	3,774	2,267
28+00	33+00	4,848	2,958
33+00	38+00	3,200	1,920
38+00	43+80	5,126	3,083
43+80	1+30	2,218	1,356
1+30	5+00	3,590	2,180
5+00	9+00	4,901	3,047
9+00	14+00	4,558	2,733
14+00	19+00	3,531	2,119
19+00	24+00	3,065	1,840
101+80	105+00	1,872	1,127
107+00	110+20	1,770	1,067
PROJECT TOTAL		27,202	

4		SCHEDULE OF SEEDING						
		(25000210) CLASS 2A	(25000314) CLASS 4B	(X2500920) CLASS 1A (SPECIAL)	(X2501800) CLASS 4 (MODIFIED)	(X2501820) CLASS 5 (MODIFIED)	(25200110) SODDING, SALT TOLERANT	(25100115) MULCH, METHOD 2
FROM	TO	(ACRE)	(ACRE)	(ACRE)	(ACRE)	(ACRE)	(SQ YD)	(ACRE)
19+71	32+00	0.5	0.0	0.2	0.0	0.0	0	0.7
32+00	11+00	2.0	0.1	1.4	0.8	1.1	392	5.4
11+00	24+00	0.6	0.0	0.6	0.0	0.0	372	1.2
101+80	110+20	0.6	0.0	0.2	0.0	0.0	0	0.8
TOTAL		3.7	0.1	2.3	0.8	1.1	764	8.1
PROJECT TOTAL		3.75	0.25	2.50	1.00	1.25	764	8.25

*QUANTITIES ROUNDED UP TO THE NEAREST 0.25 ACRE TO REFLECT BDE DEGREE OF ACCURACY.

1		SCHEDULE OF EROSION CONTROL ITEMS					
		(Z0023204) SEDIMENT CONTROL, SILT FENCE	(28000305) TEMPORARY DITCH CHECKS	(28000500) INLET AND PIPE PROTECTION	(X2511630) EROSION CONTROL BLANKET (SPECIAL)	(28000510) INLET FILTERS	(28000250) TEMPORARY EROSION CONTROL SEEDING
FROM	TO	(FOOT)	(FOOT)	(EACH)	(SQ YD)	(EACH)	(POUND)
19+71	32+00	1,057	0	0	6,320	18	70
32+00	11+00	2,547	504	9	50,332	52	540
11+00	24+00	1,068	252	4	11,829	19	120
101+80	110+20	571	0	0	6,515	2	80
PROJECT TOTAL		5,243	756	13	74,997	91	810

5		SCHEDULE OF HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (40603080)			
		AREA @ 2-1/2"	AREA @ 4-1/2"	TOTAL VOLUME	WEIGHT (115 LB/SQ YD-IN)
FROM	TO	(SQ YD)	(SQ YD)	(SQ YD-IN)	(TON)
19+71	23+00	167	147	1,078	62
23+00	28+00	444	0	1,111	64
28+00	33+00	288	0	719	42
33+00	38+00	437	0	1,092	63
38+00	43+80	478	0	1,196	69
43+80	1+30	32	0	80	5
1+30	5+00	278	0	696	41
5+00	9+00	180	5	475	28
9+00	14+00	204	0	511	30
14+00	19+00	274	0	685	40
19+00	24+00	387	5	992	58
101+80	105+00	0	5	24	2
107+00	110+20	0	0	0	0
PROJECT TOTAL				504	

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

DESIGNED - JRR
 DRAWN - JRR
 CHECKED - RTM
 DATE - 10/24/2011

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SHEET NO. 1 OF 10 SHEETS

F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO.
 RTE. 364 02-00051-08-WR LAKE 188 16
 CONTRACT NO. 63649
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

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

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

6 SCHEDULE OF HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (40603085)				
FROM	TO	AREA @ 8-1/2" (SQ YD)	TOTAL VOLUME (SQ YD-IN)	WEIGHT (115 LB/SQ YD-IN) (TON)
19+71	23+00	2,194	18,646	1,073
23+00	28+00	3,330	28,308	1,628
28+00	33+00	4,562	38,775	2,230
33+00	38+00	2,740	23,292	1,340
38+00	43+80	4,505	38,296	2,203
43+80	1+30	2,192	18,632	1,072
1+30	5+00	3,311	28,144	1,619
5+00	9+00	4,561	38,770	2,230
9+00	14+00	3,718	31,599	1,817
14+00	19+00	2,509	21,329	1,227
19+00	24+00	182	1,548	89
101+80	105+00	227	1,926	111
107+00	110+20	1,728	14,689	845
PROJECT TOTAL				17,484

7 SCHEDULE OF TOPSOIL FURNISH AND PLACE					
		(21101615) 4"		(21101685) 24"	
FROM	TO	AREA (SQ FT)	AREA (SQ YD)	AREA (SQ FT)	AREA (SQ YD)
19+71	32+00	28,263	3,141	0	0
32+00	11+00	217,745	24,194	12,102	1,345
11+00	24+00	47,571	5,286	5,678	631
101+80	110+20	29,319	3,258	0	0
PROJECT TOTAL			35,879		1,976

8 SCHEDULE OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (40603340)					
FROM	TO	AREA @ 2" (SQ YD)	AREA @ 1-1/2" (SQ YD)	TOTAL VOLUME (SQ YD-IN)	WEIGHT (112 LB/SQ YD-IN) (TON)
19+71	23+00	2,194	0	4,387	246
23+00	28+00	3,330	0	6,660	373
28+00	33+00	4,562	0	9,124	511
33+00	38+00	2,740	0	5,480	307
38+00	43+80	4,505	0	9,011	505
43+80	1+30	2,192	0	4,384	246
1+30	5+00	3,311	0	6,622	371
5+00	9+00	4,561	0	9,122	511
9+00	14+00	3,718	0	7,435	417
14+00	19+00	2,869	0	5,738	322
19+00	24+00	2,558	0	5,116	287
101+80	105+00	227	1645	2,921	164
107+00	110+20	1,728	0	3,456	194
PROJECT TOTAL					4,454

9 SCHEDULE OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (40603335)						
FROM	TO	AREA @ 1-1/2" (SQ YD)	AREA @ 2-1/2" (SQ YD)	AREA @ 3" (SQ YD)	TOTAL VOLUME (SQ YD-IN)	WEIGHT (112 LB/SQ YD-IN) (TON)
19+71	23+00	314	0	0	471	27
23+00	28+00	444	0	0	666	38
28+00	33+00	288	0	0	431	25
33+00	38+00	437	22	0	710	40
38+00	43+80	478	68	0	888	62
43+80	1+30	32	0	0	48	3
1+30	5+00	278	0	0	418	24
5+00	9+00	186	0	236	985	56
9+00	14+00	204	88	543	2,156	121
14+00	19+00	274	41	355	1,577	89
19+00	24+00	387	106	0	846	48
101+80	105+00	5	0	0	8	1
107+00	110+20	0	49	0	122	7
PROJECT TOTAL						541

10 SCHEDULE OF TEMPORARY PAVEMENT (Z0062456)		
FROM	TO	AREA (SQ YD)
19+00	34+00	80
34+00	3+00	773
3+00	15+00	348
15+00	24+50	21
101+80	110+20	446
PROJECT TOTAL		1,668

11 SCHEDULE OF SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING (Z0023202)		
FROM	TO	AMOUNT (EACH)
19+71	32+00	18
32+00	11+00	52
11+00	24+50	19
101+80	110+20	2
PROJECT TOTAL		91

12 SCHEDULE OF RAISED REFLECTIVE PAVEMENT MARKERS (78100100)			
FROM	TO	SIDE	AMOUNT (EACH)
15+00	34+00	RT	44
15+00	34+00	LT	38
34+00	3+00	RT	31
34+00	3+00	LT	32
3+00	15+00	RT	17
3+00	15+00	LT	28
15+00	23+66	RT	0
15+00	23+66	LT	4
101+80	110+20	RT	0
101+80	110+20	LT	0
PROJECT TOTAL			194

13 SCHEDULE OF COMBINATION CURB AND GUTTER, TYPE B-6.24 (60605000)		
FROM	TO	LENGTH (FOOT)
19+71	23+00	659
23+00	28+00	1,000
28+00	33+00	1,130
33+00	38+00	2,001
38+00	43+80	1,575
43+80	1+30	700
1+30	5+00	1,257
5+00	9+00	903
9+00	14+00	1,435
14+00	19+00	1,624
19+00	24+50	972
101+80	105+00	26
107+00	110+20	641
PROJECT TOTAL		13,923

14 SCHEDULE OF STORM SEWER REMOVAL AND TRENCH BACKFILL											
FROM	TO	STATION	55100100	55100300	55100400	55100500	55100700	55100900	55101200	55101600	20800150
		SS REM 4"	SS REM 8"	SS REM 10"	SS REM 12"	SS REM 15"	SS REM 18"	SS REM 24"	SS REM 36"	TRNCH BKFILL	
		(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(CU YD)
19+71	23+00										
23+00	28+00	126			267	104		171	60		264
28+00	33+00				164	325				27	363
33+00	38+00					49				381	449
38+00	43+80	268				146					114
43+80	1+30	30		135	55						69
1+30	5+00		2		41	282			38	72	189
5+00	9+00				118				111		241
9+00	14+00				34	43					12
14+00	19+00	251			67	31			102		239
19+00	24+50				209						54
101+80	105+00										
107+00	110+20										
PROJECT TOTAL		675	2	135	955	980	171	311	480		1,994*

*FOR ADDITIONAL TRENCH BACKFILL QUANTITY SEE SCHEDULE *21

15													
SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION													
QUENTIN AVENUE, LONG GROVE ROAD													
STATION	DISTANCE	EARTH EXCAVATION (CUT)	UNSUITABLE AREA	POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)	FURNISHED EXCAVATION (FILL)	EARTH EXCAVATION	UNSUITABLE AREA	POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)	FURNISHED EXCAVATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL ⁽¹⁾	POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)	FURNISHED EXCAVATION ⁽²⁾
(XX+XX)	(FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	AVG. (SQ. FT.)	AVG. (SQ. FT.)	AVG. (SQ. FT.)	AVG. (SQ. FT.)	(CU. FT.)	(CU. FT.)	(CU. FT.)	(CU. FT.)
19+50	50	0	0	0	0	7	5	0	15	325	250	0	725
20+00	50	13	10	0	29	15	5	0	38	725	250	0	1,900
20+50	50	16		0	47	15	8	0	39	725	400	0	1,925
21+00	50	13	16	0	30	16	19	0	31	775	950	0	1,525
21+50	50	18	22	0	31	20	23	0	29	975	1,150	0	1,425
22+00	50	21	24	0	26	21	27	0	26	1,025	1,350	0	1,300
22+50	50	20	30	0	26	31	34	0	30	1,525	1,700	0	1,475
23+00	50	41	38	0	33	48	37	0	35	2,400	1,850	0	1,725
23+50	50	55	36	0	36	71	39	0	32	3,525	1,950	0	1,575
24+00	50	86	42	0	27	90	44	0	27	4,475	2,200	0	1,325
24+50	50	93	46	0	26	77	45	0	27	3,850	2,225	0	1,350
25+00	50	61	43	0	28	48	45	0	32	2,375	2,225	0	1,600
25+50	50	34	46	0	36	33	44	0	36	1,625	2,175	0	1,800
26+00	50	31	41	0	36	28	41	0	39	1,375	2,050	0	1,925
26+50	50	24	41	0	41	29	75	35	35	1,450	3,725	1,725	1,725
27+00	50	34	108	69	28	38	108	69	26	1,900	5,375	3,450	1,275
27+50	50	42	107	69	23	43	104	69	19	2,150	5,200	3,450	950
28+00	50	44	101	69	15	49	108	73	17	2,450	5,375	3,625	825
28+50	50	54	114	76	18	126	153	113	11	6,275	7,625	5,650	550
29+00	50	197	191	150	4	184	183	155	6	9,175	9,150	7,750	275
29+50	50	170	175	160	7	174	120	80	13	8,700	6,000	4,000	625
30+00	50	178	65	0	18	164	59	0	25	8,175	2,925	0	1,250
30+50	50	149	52	0	32	129	52	0	35	6,425	2,600	0	1,750
31+00	50	108	52	0	38	68	50	0	44	3,400	2,500	0	2,200
31+50	50	28	48	0	50	21	54	0	95	1,050	2,700	0	4,725
32+00	50	14	60	0	139	13	491	47	461	625	24,525	2,325	23,050
32+50	50	11	921	93	783	754	878	93	699	37,700	43,900	4,625	34,925
33+00	50	1,497	835	92	614	1,231	794	92	627	61,550	39,700	4,600	31,350
33+50	50	965	753	92	640	810	675	91	591	40,500	33,750	4,525	29,550
34+00	50	655	597	89	542	536	598	90	509	26,775	29,900	4,500	25,450
34+50	50	416	599	91	476	246	595	93	446	12,275	29,725	4,625	22,300
35+00	50	75	590	94	416	46	474	96	614	2,275	23,675	4,800	30,700
35+50	50	16	357	98	812	13	353	100	583	650	17,650	5,000	29,150
36+00	50	10	349	102	354	13	353	104	363	650	17,625	5,175	18,125
36+50	50	16	356	105	371	15	360	106	399	725	17,975	5,300	19,925

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

DATE _____ BY _____
 ORIGINAL SURVEY _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

15													
SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION													
QUENTIN AVENUE, LONG GROVE ROAD													
STATION	DISTANCE	EARTH EXCAVATION (CUT)	UNSUITABLE AREA	POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)	FURNISHED EXCAVATION (FILL)	EARTH EXCAVATION	UNSUITABLE AREA	POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)	FURNISHED EXCAVATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL ⁽¹⁾	POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)	FURNISHED EXCAVATION ⁽²⁾
(XX+XX)	(FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	AVG. (SQ. FT.)	AVG. (SQ. FT.)	AVG. (SQ. FT.)	AVG. (SQ. FT.)	(CU. FT.)	(CU. FT.)	(CU. FT.)	(CU. FT.)
37+00	50	13	363	107	426	15	383	109	458	725	19,150	5,425	22,875
37+50	50	16	403	110	489	18	252	55	414	900	12,600	2,750	20,675
38+00	50	20	101	0	338	16	96	0	319	800	4,800	0	15,950
38+50	50	12	91	0	300	16	92	0	275	775	4,600	0	13,725
39+00	50	19	93	0	249	23	86	0	195	1,125	4,275	0	9,750
39+50	50	26	78	0	141	60	100	40	91	2,975	5,000	1,975	4,550
40+00	50	93	122	79	41	80	119	80	41	4,000	5,925	4,000	2,025
40+50	50	67	115	81	40	70	117	81	37	3,475	5,850	4,050	1,850
41+00	50	72	119	81	34	59	75	78	23	2,925	3,750	3,875	1,150
41+50	50	45	31	74	12	35	54	96	60	1,725	2,700	4,800	3,000
42+00	50	24	77	118	108	49	87	105	84	2,425	4,325	5,250	4,175
42+50	50	73	96	92	59	84	83	46	91	4,175	4,125	2,300	4,525
43+00	50	94	69	0	122	104	70	0	111	5,200	3,500	0	5,525
43+50	50	114	71	0	99	125	53	0	72	6,225	2,650	0	3,600
44+00	50	135	35	0	45	78	36	0	43	3,875	1,775	0	2,150
44+50	50	20	36	0	41	12	22	0	25	600	1,100	0	1,225
45+00	35	4	8	0	8	2	4	0	4	70	140	0	140
0+00	Intersection	0	0	0	0	32	37	35	3	1,575	1,825	1,725	150
0+50	50	63	73	69	6	47	63	78	28	2,325	3,125	3,875	1,400
1+00	50	30	52	86	50	38	60	84	46	1,875	3,000	4,175	2,275
1+50	50	45	68	81	41	35	79	82	52	1,725	3,950	4,075	2,575
2+00	50	24	90	82	62	15	93	116	60	750	4,650	5,800	2,975
2+50	50	6	96	150	57	6	657	116	657	275	32,825	5,800	32,850
3+00	50	5	1,217	82	1,257	3	1,031	41	1,261	125	51,525	2,050	63,050
3+50	50	0	844	0	1,265	2	684	0	1,216	75	34,175	0	60,800
4+00	25	3	523	0	1,167	3	320	0	955	63	8,000	0	23,875
4+25	25	2	117	0	743	3	102	0	531	75	2,550	0	13,275
4+50	20	4	87	0	319	10	87	0	228	190	1,740	0	4,550
4+70	30	15	87	0	136	19	84	0	147	570	2,505	0	4,410
5+00	50	23	80	0	158	22	84	0	148	1,075	4,200	0	7,375
5+50	50	20	88	0	137	17	86	0	126	825	4,275	0	6,275
6+00	50	13	83	0	114	27	105	51	73	1,325	5,250	2,550	3,650
6+50	50	40	127	102	32	62	103	133	49	3,075	5,150	6,625	2,450
7+00	50	83	79	163	66	47	94	165	45	2,350	4,700	8,225	2,225
7+50	50	11	109	166	23	8	164	135	325	375	8,175	6,750	16,225

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

DATE _____ BY _____
 ORIGINAL SURVEY _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

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

DESIGNED - JRR
 DRAWN - JRR
 CHECKED - RTM
 DATE - 10/24/2011

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SHEET NO. 4 OF 10 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	19
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63649	

15													
SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION													
QUENTIN AVENUE, LONG GROVE ROAD													
STATION	DISTANCE	EARTH EXCAVATION (CUT)	UNSUITABLE AREA	POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)	FURNISHED EXCAVATION (FILL)	EARTH EXCAVATION	UNSUITABLE AREA	POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)	FURNISHED EXCAVATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL ⁽¹⁾	POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)	FURNISHED EXCAVATION ⁽²⁾
(XX+XX)	(FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	AVG. (SQ. FT.)	AVG. (SQ. FT.)	AVG. (SQ. FT.)	AVG. (SQ. FT.)	(CU. FT.)	(CU. FT.)	(CU. FT.)	(CU. FT.)
8+00	50	4	218	104	626	15	184	102	614	725	9,175	5,075	30,675
8+50	50	25	149	99	601	22	137	50	532	1,100	6,825	2,475	26,600
9+00	50	19	124	0	463	19	115	0	361	925	5,750	0	18,025
9+50	50	18	106	0	258	37	97	0	168	1,825	4,850	0	8,400
10+00	50	55	88	0	78	124	77	0	53	6,175	3,850	0	2,625
10+50	50	192	66	0	27	233	78	0	47	11,625	3,900	0	2,325
11+00	50	273	90	0	66	259	85	0	50	12,925	4,225	0	2,475
11+50	50	244	79	0	33	214	79	0	34	10,675	3,925	0	1,675
12+00	50	183	78	0	34	147	78	0	42	7,325	3,875	0	2,100
12+50	50	110	77	0	50	76	81	0	95	3,775	4,050	0	4,725
13+00	50	41	85	0	139	36	91	0	211	1,800	4,525	0	10,525
13+50	50	31	96	0	282	19	105	0	391	950	5,250	0	19,550
14+00	50	7	114	0	500	14	105	0	432	675	5,225	0	21,575
14+50	50	20	95	0	363	19	106	47	280	950	5,275	2,325	14,000
15+00	50	18	116	93	197	18	108	80	179	875	5,400	3,975	8,950
15+50	50	17	100	66	161	17	95	64	144	850	4,750	3,175	7,175
16+00	50	17	90	61	126	16	88	61	135	775	4,375	3,025	6,750
16+50	50	14	85	60	144	14	84	60	139	675	4,200	2,975	6,925
17+00	50	13	83	59	133	10	51	30	131	475	2,525	1,475	6,550
17+50	50	6	18	0	129	5	36	0	114	250	1,800	0	5,675
18+00	50	4	54	0	98	5	52	0	100	250	2,575	0	5,000
18+50	50	6	49	0	102	9	42	0	87	450	2,075	0	4,350
19+00	50	12	34	0	72	10	46	0	74	500	2,275	0	3,675
19+50	50	8	57	0	75	10	53	0	61	500	2,625	0	3,050
20+00	50	12	48	0	47	11	51	0	60	550	2,525	0	2,975
20+50	50	10	53	0	72	9	53	0	69	450	2,625	0	3,450
21+00	50	8	52	0	66	9	49	0	57	450	2,450	0	2,825
21+50	50	10	46	0	47	11	46	0	48	525	2,300	0	2,400
22+00	50	11	46	0	49	10	43	0	43	500	2,150	0	2,150
22+50	50	9	40	0	37	7	41	0	43	325	2,025	0	2,125
23+00	50	4	41	0	48	4	46	0	53	200	2,300	0	2,625
23+50		4	51	0	57								
SUBTOTAL QUENTIN AVENUE										391,268	739,885	185,700	911,450

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

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

DESIGNED - JRR
 DRAWN - JRR
 CHECKED - RTM
 DATE - 10/24/2011

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SHEET NO. 5 OF 10 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	20
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63649	

15													
SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION													
QUENTIN AVENUE, LONG GROVE ROAD													
STATION	DISTANCE	EARTH EXCAVATION (CUT)	UNSUITABLE AREA	POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)	FURNISHED EXCAVATION (FILL)	EARTH EXCAVATION	UNSUITABLE AREA	POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)	FURNISHED EXCAVATION	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL ⁽¹⁾	POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES)	FURNISHED EXCAVATION ⁽²⁾
(XX+XX)	(FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	(SQ. FT.)	AVG. (SQ. FT.)	AVG. (SQ. FT.)	AVG. (SQ. FT.)	AVG. (SQ. FT.)	(CU. FT.)	(CU. FT.)	(CU. FT.)	(CU. FT.)
LONG GROVE ROAD													
102+00		0	0	0	0								
	50					0	0	0	0	0	0	0	0
102+50		0	0	0	0								
	50					0	0	0	0	0	0	0	0
103+00		0	0	0	0								
	50				5	0	0	0	3	0	0	0	125
103+50		0	0	0	5								
	50				7	0	0	0	6	0	0	0	300
104+00		0	0	0	7								
	50				16	8	4	0	12	400	200	0	575
104+50		16	8	0	16								
	50				37	24	24	0	27	1,175	1,175	0	1,325
105+00		31	39	0	37								
	0				0	16	20	0	19	0	0	0	0
105+00	Intersection	0	0	0	0								
	200				0	0	0	0	0	0	0	0	0
107+00	Intersection	0	0	0	0								
	0				14	86	38	0	26	0	0	0	0
107+00		141	37	0	14								
	50				17	113	36	0	16	5,650	1,775	0	775
107+50		85	34	0	17								
	50				19	63	26	0	18	3,150	1,300	0	900
108+00		41	18	0	19								
	50				26	29	29	0	23	1,425	1,425	0	1,125
108+50		16	39	0	26								
	50				32	19	41	0	29	950	2,050	0	1,450
109+00		22	43	0	32								
	50				44	16	42	0	38	775	2,100	0	1,900
109+50		9	41	0	44								
	50				35	8	28	0	40	375	1,400	0	1,975
110+00		6	15	0	35								
	50				0	3	8	0	18	150	375	0	875
110+50		0	0	0	0								
SUBTOTAL LONG GROVE ROAD										14,050	11,800	0	11,325
PROJECT SUBTOTAL (CU. FT.)										405,318	751,685	185,700	922,775
PROJECT SUBTOTAL (CU. YD.)										15,012	27,840	6,878	34,177
SHRINKAGE FACTOR ADJUSTMENT (15%)										-	-	-	x 1.15
PROJECT TOTAL (CU. YD.)										15,012	27,840	6,878	39,303
DENSITY FACTOR CONVERSION (2.00 TONS/CU. YD.)										-	-	x 2.00	-
PROJECT TOTAL (TONS)										-	-	13,756	-

(1) ESTIMATE INCLUDES APPROXIMATELY 12 INCHES OF TOPSOIL STRIPPING AND UNDERCUT AREAS AS SHOWN ON THE PLANS.
(2) ESTIMATE ASSUMES ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE JOB SITE.

DATE _____ BY _____
SURVEYED _____
PLOTTED _____
NOTE BOOK _____
AREAS CHECKED _____

DATE _____ BY _____
ORIGINAL SURVEY _____
PLOTTED _____
NOTE BOOK _____
AREAS CHECKED _____

16 SCHEDULE OF CONCRETE CURB, TYPE B (60600605)		
FROM	TO	LENGTH (FOOT)
38+00	43+80	27
43+08	1+30	191
1+30	5+00	61
PROJECT TOTAL		279

18 SCHEDULE OF PROTECTIVE COAT (42001300)		
FROM	TO	AREA (SQ YD)
19+71	23+00	226
23+00	28+00	343
28+00	33+00	651
33+00	38+00	685
38+00	43+80	838
43+80	1+30	440
1+30	5+00	668
5+00	9+00	548
9+00	14+00	749
14+00	19+00	906
19+00	24+00	333
101+80	105+00	9
107+00	110+20	224
PROJECT TOTAL		6,620

17 SCHEDULE OF CATCH BASINS								
STRUCTURE #	STATION	OFFSET	60200805	60201110	60201340	60205040	60207605	60208240
			CB TA 4 DIA T8G	CB TA 4 DIA T11VF&G	CB TA 4 DIA T24F&G	CB TA 5 DIA T24F&G	CB TC T8G	CB TC T24F&G
2	22+50	41.9 RT			1			
5	25+00	41.9 RT			1			
8	27+50	41.9 RT			1			
10	27+43	53.9 RT					1	
12	28+40	42.1 RT			1			
15	28+94	57.3 RT						1
16	29+85	70.1 RT						1
18	30+30	42.3 RT			1			
23	32+80	46.6 RT			1			
26	34+50	22.4 LT				1		
27	34+50	50.1 RT				1		
32	35+76	21.9 LT			1			
33	36+10	22.4 LT				1		
35	35+76	51.7 RT			1			
36	36+10	52.8 RT				1		
43	38+01	20.1 RT			1			
44	38+01	55.6 RT			1			
49	40+50	8.2 RT		1				
50	40+50	59.9 RT			1			
55	43+80	65.1 RT			1			
56	43+97	7.9 RT		1				
58	45+18	53.2 LT						1
59	0+81	67.8 RT						1
63	2+54	29.8 RT			1			
64	2+54	71.6 RT			1			
66	2+69	94.0 RT	1					
69	3+25	71.9 RT			1			
72	3+96	29.7 RT			1			
73	4+10	29.7 RT			1			
75	4+10	71.9 RT			1			
81	4+50	29.6 RT			1			
82	4+50	71.9 RT			1			
84	5+25	29.6 RT		1				
85	5+15	29.5 RT		1				
87	6+00	29.7 RT		1				
90	6+78	128.1 RT			1			
91	7+38	107.0 RT						1
92	8+20	41.4 RT		1				
93	8+20	71.6 RT			1			
97	8+90	40.2 RT		1				
98	8+90	70.5 RT			1			
102	9+60	38.3 RT		1				
103	9+60	68.6 RT			1			
106	10+40	35.1 RT		1				
107	10+40	65.4 RT			1			
110	11+25	30.6 RT		1				
111	11+25	61.0 RT			1			
113	12+60	15.0 RT			1			
114	12+60	53.8 RT			1			
117	13+50	6.1 RT			1			
118	13+50	51.0 RT			1			
123	17+00	39.9 RT			1			
126	18+00	24.7 RT			1			
130	19+30	21.7 RT			1			
134	20+00	34.0 RT	1					
136	20+64	19.9 RT			1			
138	22+00	19.1 LT						1
140	23+35	20.6 LT			1			
145	107+13	25.9 LT			1			
PROJECT TOTAL			2	10	36	4	1	6

19 SCHEDULE OF TREE REMOVAL				
FROM	TO	(20100110)	(20100210)	(X2010350)
		6 TO 15 UNITS DIAMETER (UNITS)	OVER 15 UNITS DIAMETER (UNITS)	TREE REMOVAL, ACRES (SPECIAL) (ACRES)
19+71	23+00			
23+00	28+00	56	101	
28+00	33+00	297	156	
33+00	38+00	193		
38+00	43+80	136	73	
43+80	1+30		42	
1+30	5+00	176		
5+00	9+00	235	24	
9+00	14+00	55		
14+00	19+00	271	74	
19+00	24+00	6	0	
101+80	105+00			
107+00	110+20	62		
DETENTION AREA				1.50
PROJECT TOTAL		1,487	470	1.50

20 SCHEDULE OF PRECAST REINFORCED CONCRETE FLARED END SECTIONS								
STATION	OFFSET	STRUCTURE #	12"	15"	18"	24"	36"	42"
			(54213657)	(54213660)	(54213663)	(54213669)	(54213681)	(54213687)
32+61	37.1 LT	20					1	
36+10	39.0 LT	30					1	
36+10	74.6 RT	38						1
39+25	35.6 LT	46		1				
39+53	35.6 LT	47		1				
41+27	34.9 LT	52		1				
41+62	34.9 LT	53		1				
3+97	51.6 LT	83A	1					
4+32	110.5 RT	79					1	
4+28	110.5 RT	67			1			
8+97	56.1 LT	95				1		
8+62	111.4 RT	96				1		
14+00	53.6 LT	120				1		
14+04	87.2 RT	121				1		
18+87	36.0 LT	128		1				
19+25	36.0 LT	133		1				
34+50	104.7 RT	29					1	
36+05	84.9 RT	39				1		
35+42	114.1 RT	41				1		
32+53	63.6 RT	41C		1				
32+77	88.3 RT	41D		1				
PROJECT TOTAL			1	8	1	6	4	1

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

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

26		SCHEDULE OF TEMPORARY PAVEMENT MARKING				
STATION		LETTERS AND SYMBOLS (70300210)	4" (70300220)	6" (70300240)	12" (70300260)	24" (70300280)
FROM	TO	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
19+71	34+00	219	18,838	1,063	177	141
34+00	3+00	562	15,583	2,367	25	250
3+00	15+00	438	13,489	2,181	119	267
15+00	23+45		11,879	31	305	57
101+80	110+20	256	10,771	1,277	17	127
PROJECT TOTAL		1,475	70,560	6,919	643	842

27		SCHEDULE OF INLETS			
STRUCTURE #	STATION	OFFSET	60236825	60237470	
			INLETS TA	INLETS TA	
			T11VF&G	T24F&G	
1	22+50	21.1' LT		1	
4	25+00	21.1' LT		1	
7	27+50	21.1' LT		1	
11	28+40	23.6' LT		1	
17	30+30	21.1' LT		1	
22	32+80	21.1' LT		1	
31	35+66	21.1' LT		1	
34	35+66	50.8' RT		1	
42	38+01	21.1' LT		1	
48	40+50	21.1' LT		1	
62	2+54	21.1' LT		1	
68	3+25	29.1' RT		1	
71	3+82	29.0' RT		1	
74	3+94	71.1' RT		1	
80	4+60	29.0' RT		1	
100	9+00	39.2' RT	1		
101	9+70	37.2' RT	1		
101A	9+60	21.1' LT		1	
105	10+50	33.8' RT	1		
109	11+35	29.2' RT	1		
113A	12+60	21.1' LT		1	
116	13+50	21.1' LT		1	
122	17+00	24.9' LT		1	
125	18+00	25.9' LT		1	
129	19+30	22.9' LT		1	
135	20+64	19.7' LT		1	
144	107+13	29.7' RT		1	
PROJECT TOTAL			4	23	

28		SCHEDULE OF PERMANENT PAVEMENT MARKINGS						
		THERMOPLASTIC					PAINT	
STATION		LETTERS AND SYMBOLS (78000100)	LINE 4" (78000200)	LINE 6" (78000400)	LINE 8" (78000500)	LINE 12" (78000600)	LINE 24" (78000650)	RAISED MEDIAN (X7800100)
FROM	TO	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)
19+71	34+00	364	11,654	1,294	516	1,414	152	202
34+00	3+00	584	1,238	3,466		138	472	617
3+00	15+00	1,134	1,536	4,268	242	1,646	310	740
15+00	24+50	178	6,782	470	782	50	209	209
101+80	110+20	292	7,100	592	4,154	1,302	130	0
PROJECT TOTAL		2,552	28,310	10,090	4,912	5,282	1,114	1,768

29		SCHEDULE OF AGGREGATE SUBGRADE, 12" (Z0001050)	
FROM	TO	AREA (SQ YD)	
19+71	23+00	2,525	
23+00	28+00	3,832	
28+00	33+00	5,156	
33+00	38+00	3,754	
38+00	43+80	5,550	
43+80	1+30	2,575	
1+30	5+00	4,072	
5+00	9+00	5,193	
9+00	14+00	4,625	
14+00	19+00	3,323	
19+00	24+00	742	
101+80	105+00	260	
107+00	110+20	2,049	
PROJECT TOTAL		43,656	

30		SCHEDULE OF MANHOLES					
STRUCTURE #	STATION	OFFSET	60218400	60219000	60221100	60223800	60224039
			MAN TA 4DIA	MAN TA 4DIA	MAN TA 5DIA	MAN TA 6DIA	MAN TA 6DIA
			T1FCL	T8G	T1FCL	T1FCL	T24F&G
3	22+50	49.5' RT	1				
6	25+00	49.5' RT	1				
9	27+50	49.5' RT				1	
13	28+40	49.5' RT			1		
14	28+81	49.6' RT					1
19	30+27	50.2' RT			1		
21	32+87	31.3' LT			1		
24	32+80	54.4' RT			1		
25	34+50	32.0' LT			1		
28	34+50	57.2' RT			1		
37	36+10	59.9' RT				1	
41B	35+84	84.4' RT			1		
45	38+01	63.1' RT			1		
51	40+50	67.2' RT			1		
54	43+80	72.6' RT			1		
60	0+81	77.6' RT			1		
65	2+54	79.0' RT			1		
66A	4+26	94.0' RT	1				
70	3+25	79.5' RT			1		
76	4+10	79.5' RT			1		
78	4+21	36.3' LT			1		
83	4+50	79.5' RT			1		
86	5+15	79.4' RT			1		
88	6+00	79.3' RT			1		
89	6+50	91.9' RT			1		
94	8+20	82.7' RT			1		
99	8+90	79.8' RT			1		
104	9+60	77.9' RT			1		
108	10+40	74.6' RT			1		
112	11+25	70.3' RT			1		
115	12+60	63.3' RT			1		
119	13+50	60.2' RT	1				
124	17+00	50.0' RT	1				
127	18+00	36.0' RT	1				
131	19+30	36.0' RT		1			
137	20+64	36.0' RT	1				
139	22+00	36.0' RT	1				
141	23+43	30.2' RT	1				
146	107+13	32.3' LT			1		
PROJECT TOTAL			9	1	26	2	1

31		SCHEDULE OF STONE RIPRAP AND FILTER FABRIC		
FROM	TO	(28100101) CLASS A1 (SQ YD)	(28100107) CLASS A4 (SQ YD)	(28200200) FILTER FABRIC (SQ YD)
18+00	23+00	0	0	0
23+00	28+00	0	0	0
28+00	33+00	0	0	0
33+00	38+00	4	0	5
28+00	43+80	0	0	0
43+80	1+30	0	0	0
1+30	5+00	8	8	10
5+00	9+00	26	10	31
9+00	14+00	0	0	0
14+00	19+00	6	2	7
19+00	24+00	8	0	10
101+50	105+00	8	0	10
107+00	111+00	0	0	0
DETENTION POND		84	64	96
PROJECT TOTAL		144	84	168

32		SCHEDULE OF ITEMS TO BE REMOVED		
STATION		60500040	60500050	60500060
FROM	TO	MANHOLES	CATCH BASINS	INLETS
19+71	23+00			
23+00	28+00	3	3	1
28+00	33+00	6	4	3
33+00	38+00	1		
38+00	43+80			1
43+08	1+30	2	4	2
1+30	5+00	2	1	2
5+00	9+00		3	1
9+00	14+00		2	
14+00	19+00	1		4
19+00	23+45	1		
101+80	105+00			
107+00	110+20			
PROJECT TOTAL		16	17	14

DATE: _____
BY: _____
SURVEYED: _____
PLOTTED: _____
DATE: _____
NOTE BOOK NO.: _____
AREAS CHECKED: _____

DATE: _____
BY: _____
ORIGINAL SURVEY: _____
PLOTTED: _____
DATE: _____
NOTE BOOK NO.: _____
AREAS CHECKED: _____

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

DESIGNED - JRR
DRAWN - JRR
CHECKED - RTM
DATE - 10/24/2011

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SHEET NO. 9 OF 10 SHEETS

F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO.
RTE. 364 02-00051-08-WR LAKE 188 24
CONTRACT NO. 63649
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

33 SCHEDULE OF GRATING FOR CONCRETE FLARED END SECTIONS					
STATION	OFFSET	STRUCTURE #	24" (54247130)	36" (54247170)	42" (54247180)
32+61	37.1' LT	20		1	
36+10	39.0' LT	30		1	
36+10	74.6' RT	38			1
4+32	110.5' RT	79		1	
8+97	56.1' LT	95	1		
8+62	111.4' RT	96	1		
14+00	53.6' LT	120	1		
14+04	87.2' RT	121	1		
34+50	104.7' RT	29		1	
36+05	84.9' RT	39	1		
35+42	114.1' RT	41	1		
PROJECT TOTAL			6	4	1

34 SCHEDULE OF ITEMS TO BE ADJUSTED					
STATION	60250200	60255500	60260100	60265700	
FROM	TO	CATCH BASINS	MANHOLES	INLETS	VALVE VAULTS
19+71	23+00	2	1		
23+00	28+00				
28+00	33+00				1
33+00	38+00				
38+00	43+80				
43+08	1+30		1		
1+30	5+00		2		
5+00	9+00				
9+00	14+00				
14+00	19+00				
19+00	23+45	1	1	3	
101+80	105+00				
107+00	110+20	1	1	1	
PROJECT TOTAL		4	6	4	1

35 SCHEDULE OF PAVEMENT MARKING TAPE					
STATION	TYPE III, LETTERS AND SYMBOLS (70300510)	TYPE III, 4" (70300520)	TYPE III, 6" (70300540)	TYPE III, 12" (70300560)	
FROM	TO	AREA (SQ FT)	LENGTH (FOOT)	LENGTH (FOOT)	LENGTH (FOOT)
14+39	19+00	73	3,929	267	130
19+00	19+71		890		16
23+00	27+05	37	2,911	122	280
99+89	101+80		2,963	26	48
110+00	112+50		3,269		50
PROJECT TOTAL		110	13,963	415	524

36 SCHEDULE OF REMOVAL ITEMS									
STATION	PAVEMENT REMOVAL (44000100)	HOT-MIX ASPHALT SURFACE REMOVAL, 1" (44000153)	HOT-MIX ASPHALT SURFACE REMOVAL, 2" (44000157)	CURB REMOVAL (44000300)	COMB. C & G REMOVAL (44000500)	PAVED SHOULDER REMOVAL (44004250)	CONCRETE MEDIAN REMOVAL (X4403300)	GUARDRAIL REMOVAL (63200310)	
FROM	TO	(SQ YD)	(SQ YD)	(SQ YD)	(FOOT)	(FOOT)	(SQ YD)	(SQ FT)	(FOOT)
19+71	23+00	2,039				171	202		276
23+00	28+00	2,276				300	160		
28+00	33+00	3,297				578	204		
33+00	38+00	1,844							
38+00	43+80	2,344				30			
43+80	1+30	1,357			194	688			
1+30	5+00	2,030			194	522		544	
5+00	9+00	3,221				581		784	171
9+00	14+00	2,121				498			
14+00	19+00	1,728		362		436			
19+00	24+00	179		2,264					
101+80	105+00	206	1,619						
107+00	110+20	1,765				640			
TOTAL		24,407	1,619	2,626	388	4,444	566	1,328	447

37 SCHEDULE OF PAVEMENT MARKING REMOVAL (78300100)		
FROM	TO	AREA (SQ FT)
14+39	19+00	602
19+00	19+71	163
23+00	27+00	328
34+00	3+00	464
99+89	101+80	524
110+00	112+50	492
PROJECT TOTAL		2,574

ADDITIONAL 6,722 SQ YD CONTINGENCY QUANTITY PROVIDED TO ACCOMMODATE TRAFFIC DURING STAGE 1

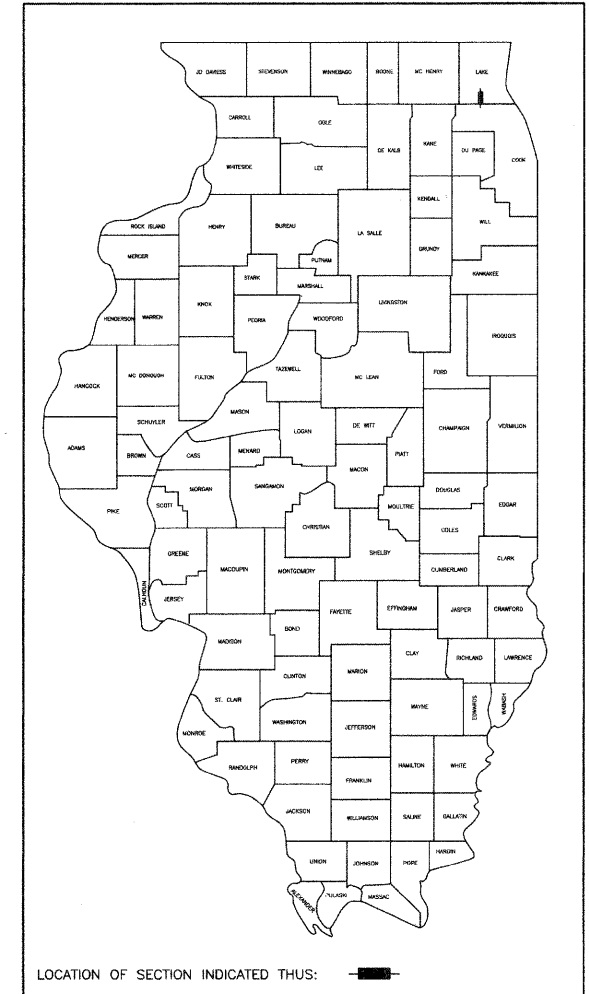
38 SCHEDULE OF MEDIAN ITEMS				
STATION	CONCRETE MEDIAN SURFACE, 4 INCH (60618300)	CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED) (X6060200)	CORRUGATED MEDIAN (60624600)	
FROM	TO	(SQ FT)	(SQ FT)	(SQ FT)
23+00	28+00			
28+00	33+00			227
38+00	43+80		2,268	
43+08	1+30		116	506
1+30	5+00	147	996	
5+00	9+00		1,421	225
9+00	14+00		1,695	
14+00	19+00			332
PROJECT TOTAL		147	6,496	1,290

* F.A.P. 364 (QUENTIN ROAD)			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	**	LAKE	17
F.H.W.A. REG.	ILLINOIS	PROJECT	

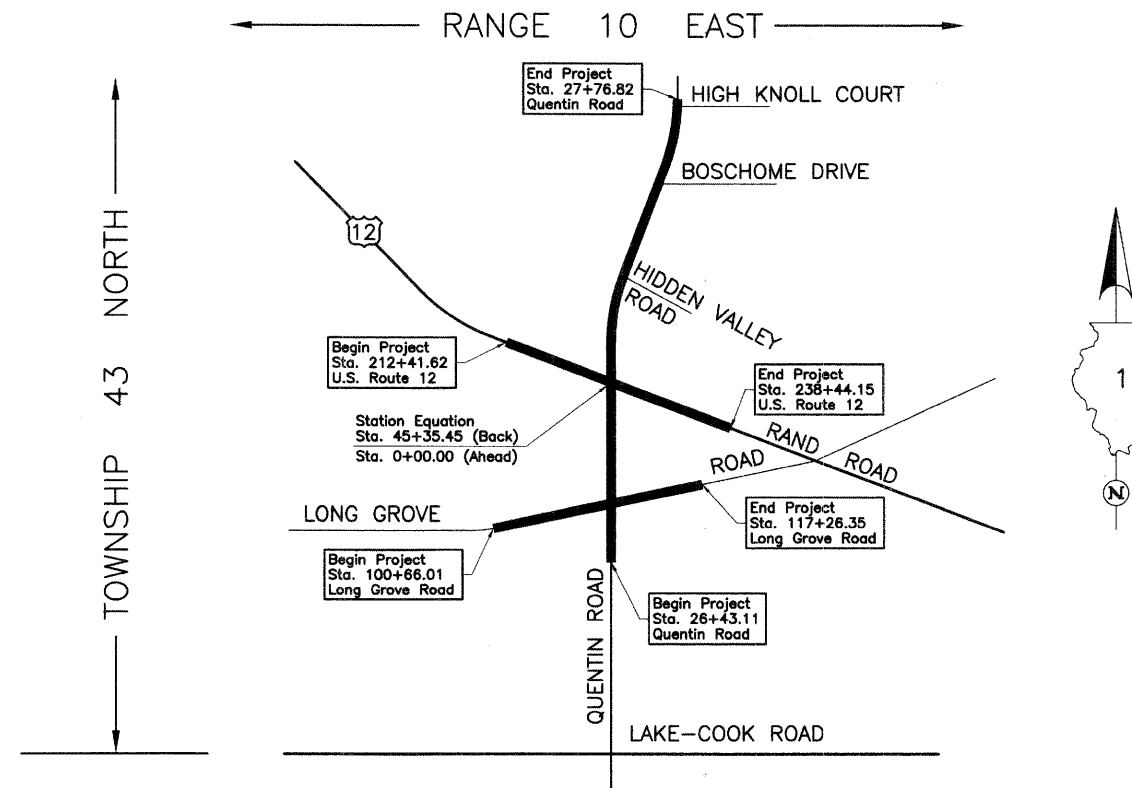
** 02-00051-08-WR
R-91-013-08

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION RIGHT OF WAY PLANS FOR PROPOSED FEDERAL AID HIGHWAY

ROUTE: F.A.P. 364 (QUENTIN ROAD)
SECTION: 02-00051-08-WR
PROJECT NO.:
JOB NO.: R-91-013-08
COUNTY: LAKE
LIMITS: LONG GROVE ROAD TO HIGH KNOLL COURT



LOCATION OF SECTION INDICATED THUS:



PROJECT LENGTH = 4,669.16 LIN. FT. = 0.884 MILE, QUENTIN ROAD
 = 1,660.34 LIN. FT. = 0.314 MILE, LONG GROVE ROAD
 = 2,602.53 LIN. FT. = 0.493 MILE, U.S. ROUTE 12
TOTAL LENGTH = 8,932.03 LIN. FT. = 1.691 MILES

APPROVED _____	20	
LOCAL AGENCY OFFICIAL		
APPROVED _____	20	
ENGINEER OF LAND ACQUISITION		
APPROVED _____	20	
ENGINEER OF LOCAL ROADS & STREETS		
APPROVED _____	20	
DISTRICT ENGINEER		
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE NW 1/4 SEC. 34, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	60.79 22.57 53.03
2	T1 T2 T3	58.72 19.57 51.37
3	T1 T2 T3	29.70 23.42 36.93
4	T1 T2 T3	21.49 29.82 33.81
5	T1 T2 T3	30.60 30.38 11.70
6	T1 T2 T3	33.83 32.89 16.02

Existing & Proposed Pavement Long Grove Road Curve #1

P.I. = Sta. 104+50.84
 Δ = 10°44'36"
 R = 4092.66'
 L = 384.83'
 T = 767.41'
 E = 18.05'
 P.C. = Sta. 100+66.01
 P.T. = Sta. 108+33.42

STATION	OFFSET	NORTH	EAST
30+10.64	40.00' Rt.	2,001,782.329	1,057,628.254
32+03.46	40.00' Lt.	2,001,975.311	1,057,548.676
103+98.42	40.00' Lt.	2,001,685.384	1,057,397.303
104+53.01	40.00' Lt.	2,001,698.411	1,057,449.767
104+53.01	45.00' Lt.	2,001,703.255	1,057,448.530
104+60.53	40.00' Rt.	2,001,622.786	1,057,476.925
104+60.53	60.00' Rt.	2,001,603.418	1,057,481.910
104+90.10	40.00' Rt.	2,001,650.332	1,057,505.811
104+90.10	60.00' Rt.	2,001,611.000	1,057,510.935
105+00.96	40.00' Rt.	2,001,633.156	1,057,516.406
105+22.34	45.00' Lt.	2,001,720.785	1,057,514.817
105+36.70	40.00' Lt.	2,001,719.740	1,057,529.851
106+66.60	60.00' Rt.	2,001,660.606	1,057,683.001
106+74.54	40.00' Lt.	2,001,758.422	1,057,660.742

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

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 "VGB 3A", P.I.D. AJ3080.

STATE OF ILLINOIS }
 COUNTY OF LAKE }
 THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 10E. AND SECTION 34, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

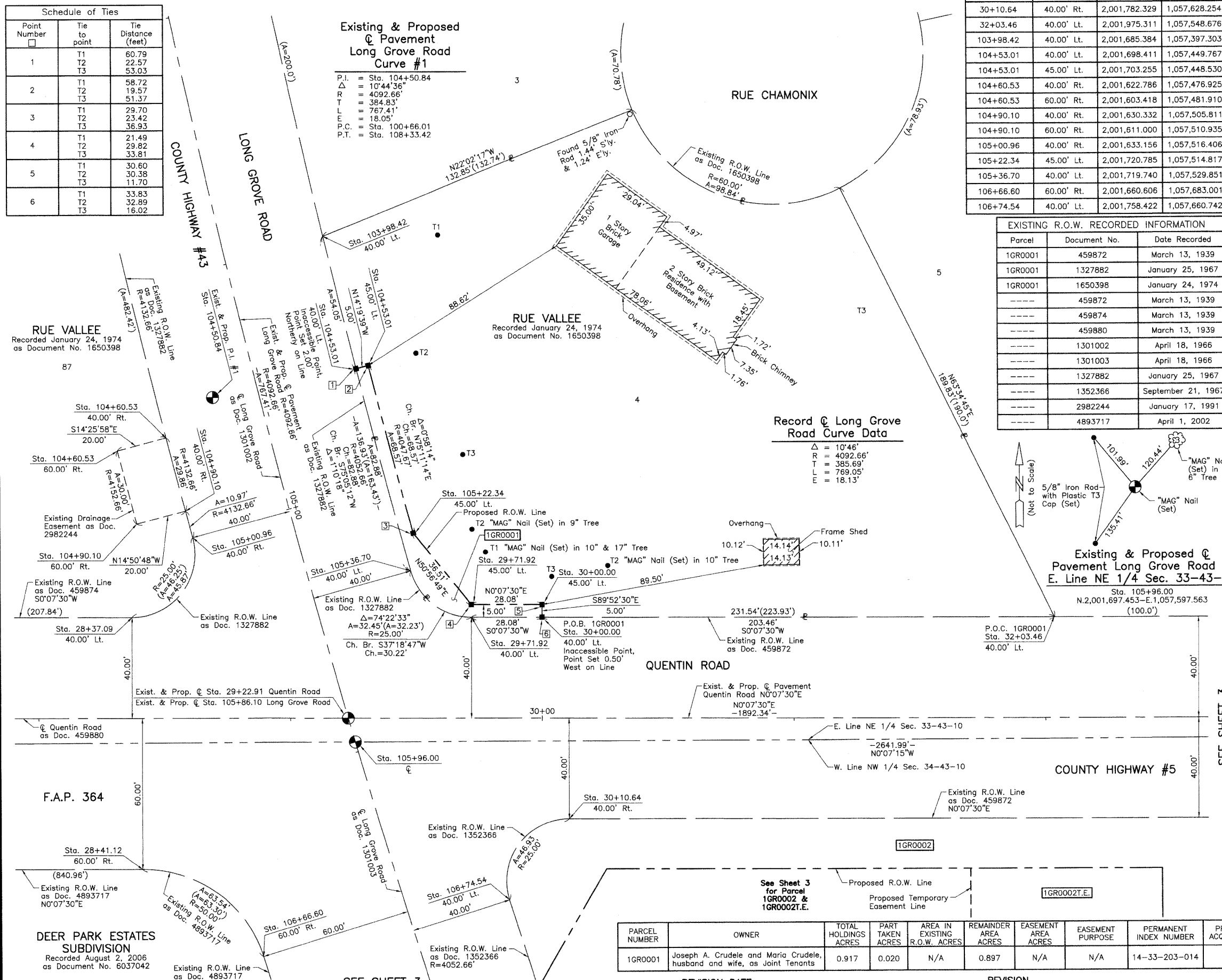
DATED AT LAKE VILLA, ILLINOIS THIS 17th DAY OF July 2008 A.D.

Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE NOVEMBER 30, 2008
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 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.

Parcel	Document No.	Date Recorded
1GR0001	459872	March 13, 1939
1GR0001	1327882	January 25, 1967
1GR0001	1650398	January 24, 1974
-----	459872	March 13, 1939
-----	459874	March 13, 1939
-----	459880	March 13, 1939
-----	1301002	April 18, 1966
-----	1301003	April 18, 1966
-----	1327882	January 25, 1967
-----	1352366	September 21, 1967
-----	2982244	January 17, 1991
-----	4893717	April 1, 2002

Record @ Long Grove Road Curve Data

Δ = 10°46'
 R = 4092.66'
 T = 385.69'
 L = 769.05'
 E = 18.13'



PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1GR0001	Joseph A. Crudele and Maria Crudele, husband and wife, as Joint Tenants	0.917	0.020	N/A	0.897	N/A	N/A	14-33-203-014	

STATION	OFFSET	NORTH	EAST
28+37.09	40.00' Lt.	2,001,608.953	1,057,547.876
28+41.12	60.00' Rt.	2,001,612.764	1,057,647.884
29+71.92	40.00' Lt.	2,001,743.776	1,057,548.170
29+71.92	45.00' Lt.	2,001,743.786	1,057,543.168
30+00.00	40.00' Lt.	2,001,771.859	1,057,548.232
30+00.00	45.00' Lt.	2,001,771.870	1,057,543.229

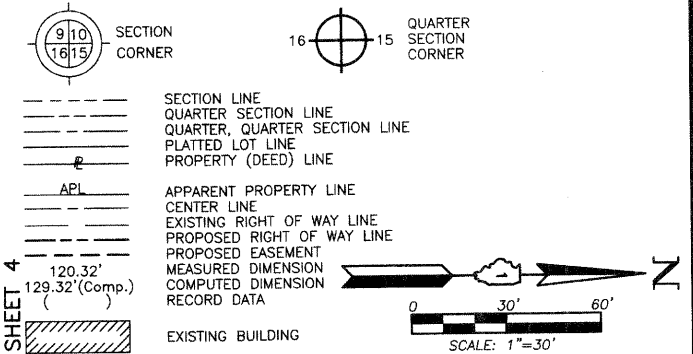
JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 364 (QUENTIN ROAD)
 SECTION 02-00051-08-WR LAKE COUNTY
 PROJECT JOB NO. R-91-013-08
 STATION 28+00 TO STATION 33+00
 STATION 103+00 TO STATION 107+00
 SCALE: 1"=20' SHEET 2 OF 17

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE NW 1/4 SEC. 34, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



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 "VGB 3A", P.I.D. AJ3080.

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

STATE OF ILLINOIS } SS
 COUNTY OF LAKE }
 THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 10E. AND SECTION 34, TOWNSHIP 43N., RANGE 10E. OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 17th DAY OF July 2008 A.D.
 CHRISTIAN H. JORGENSEN
 2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS
 PRESIDENT

Parcel	Document No.	Date Recorded
1GR0002	459872	March 13, 1939
1GR0002	1352366	September 21, 1967
----	459872	March 13, 1939
----	459880	March 13, 1939
----	1301002	April 18, 1966
----	1301003	April 18, 1966
----	1327882	January 25, 1967
----	4893717	April 1, 2002

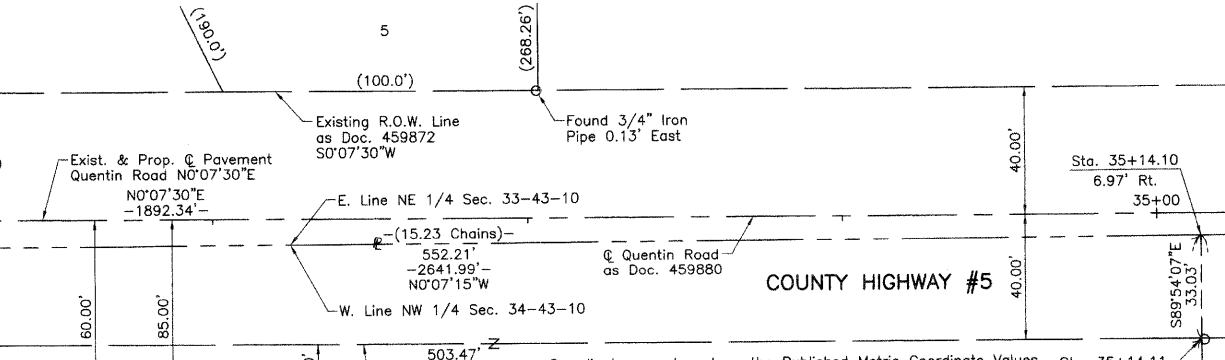
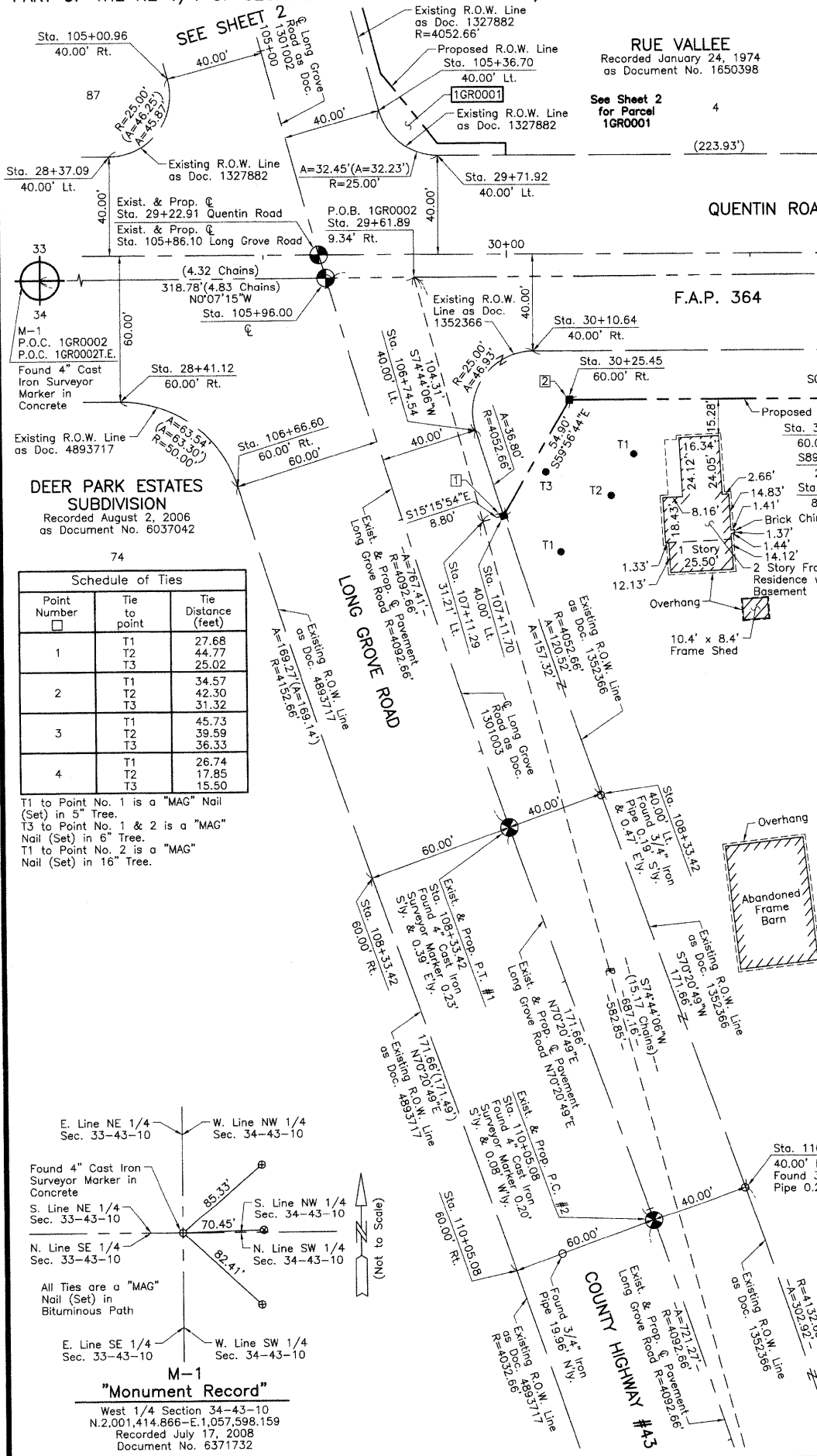
JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046 SHEET 1 IS A COVER
 (847) 356-3371 SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

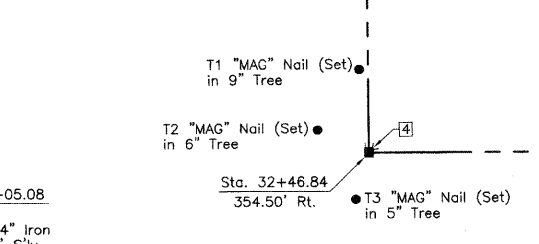
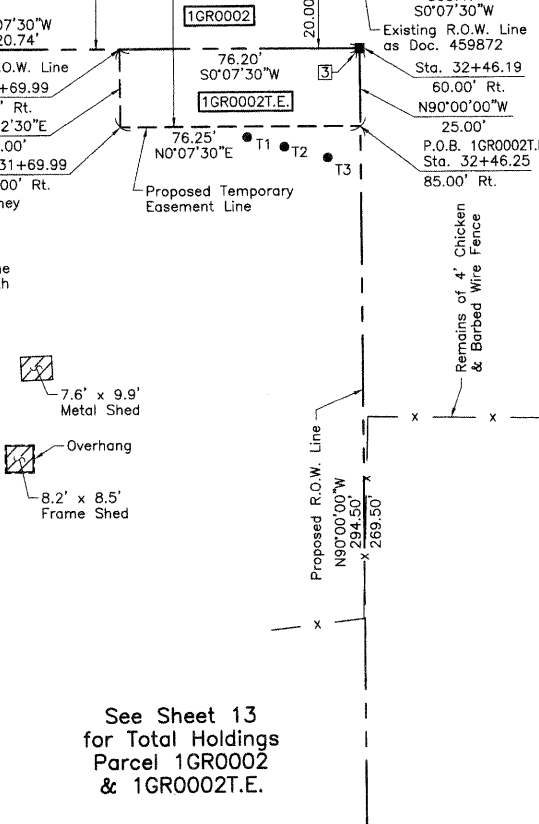
F.A.P. 364 (QUENTIN ROAD)
 SECTION 02-00051-08-WR LAKE COUNTY
 PROJECT JOB NO. R-91-013-08
 STATION 28+00 TO STATION 35+00
 STATION 105+00 TO STATION 111+00
 SCALE: 1"=30' SHEET 3 OF 12

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1GR0002	Gloria L. Paul, as Trustee of the Gloria Paul Trust dated June 1, 2004	7.023	2.491	0.419	4.532	0.044	Grading	14-34-100-052	



STATION	OFFSET	NORTH	EAST
28+37.09	40.00' Lt.	2,001,608.953	1,057,547.876
28+41.12	60.00' Rt.	2,001,612.764	1,057,647.884
29+61.89	9.34' Rt.	2,001,733.646	1,057,597.487
29+71.92	40.00' Lt.	2,001,743.776	1,057,548.170
30+10.64	40.00' Rt.	2,001,782.329	1,057,628.254
30+25.45	60.00' Rt.	2,001,797.096	1,057,648.283
31+69.99	60.00' Rt.	2,001,941.637	1,057,648.599
31+69.99	85.00' Rt.	2,001,941.582	1,057,673.599
32+46.19	60.00' Rt.	2,002,017.836	1,057,648.765
32+46.25	85.00' Rt.	2,002,017.836	1,057,673.765
32+46.84	354.50' Rt.	2,002,017.836	1,057,943.267
35+14.10	6.97' Rt.	2,002,285.858	1,057,596.324
35+14.11	40.00' Rt.	2,002,285.801	1,057,629.353
35+14.26	354.50' Rt.	2,002,285.262	1,057,943.851
105+00.96	40.00' Rt.	2,001,633.156	1,057,516.406
105+36.70	40.00' Lt.	2,001,719.740	1,057,529.851
105+96.00	0	2,001,697.453	1,057,597.563
106+66.60	60.00' Rt.	2,001,660.606	1,057,683.001
106+74.54	40.00' Lt.	2,001,758.422	1,057,660.742
107+11.29	31.21' Lt.	2,001,761.109	1,057,698.117
107+11.70	40.00' Lt.	2,001,769.603	1,057,695.799
108+33.42	40.00' Lt.	2,001,808.446	1,057,809.892
108+33.42	60.00' Rt.	2,001,714.271	1,057,843.525
110+05.08	40.00' Lt.	2,001,866.181	1,057,971.558
110+05.08	60.00' Rt.	2,001,772.007	1,058,005.190

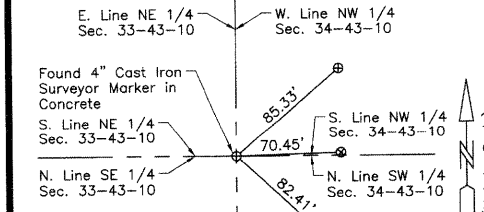


Existing & Proposed Pavement Long Grove Road Curve #1		Existing & Proposed Pavement Long Grove Road Curve #2	
P.I.	= Sta. 104+50.84	P.I.	= Sta. 113+66.65
Δ	= 10°44'36"	Δ	= 10°05'51"
R	= 4092.66'	R	= 4092.66'
T	= 384.83'	T	= 361.57'
L	= 767.41'	L	= 721.27'
E	= 18.05'	E	= 15.94'
P.C.	= Sta. 100+66.01	P.C.	= Sta. 110+05.08
P.T.	= Sta. 108+33.42	P.T.	= Sta. 117+26.35

Record Long Grove Road Curve Data		Record Long Grove Road Curve Data	
Δ	= 10°46'	Δ	= 10°07'
R	= 4092.66'	R	= 4092.66'
T	= 385.69'	T	= 362.29'
L	= 769.05'	L	= 722.82'
E	= 18.13'	E	= 16.00'

Point Number	Tie to point	Tie Distance (feet)
1	T1	27.68
	T2	44.77
	T3	25.02
2	T1	34.57
	T2	42.30
	T3	31.32
3	T1	45.73
	T2	39.59
	T3	36.33
4	T1	26.74
	T2	17.85
	T3	15.50

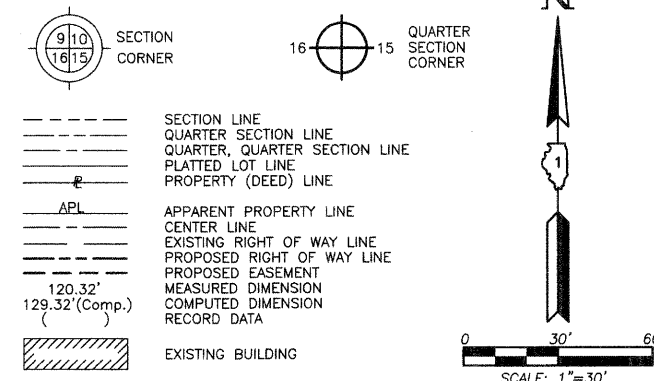
T1 to Point No. 1 is a "MAG" Nail (Set) in 5" Tree.
 T2 to Point No. 1 & 2 is a "MAG" Nail (Set) in 6" Tree.
 T3 to Point No. 2 is a "MAG" Nail (Set) in 16" Tree.



M-1
 "Monument Record"
 West 1/4 Section 34-43-10
 N.2,001,414.866-E.1,057,598.159
 Recorded July 17, 2008
 Document No. 6371732

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE NW 1/4 SEC. 34, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



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.

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

STATE OF ILLINOIS
COUNTY OF LAKE

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 10E. AND SECTION 34, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 11th DAY OF July 2008 A.D.



Christian H. Jorgensen, PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
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.

Table with 4 columns: STATION, OFFSET, NORTH, EAST. Lists coordinates for various points along the highway right-of-way.

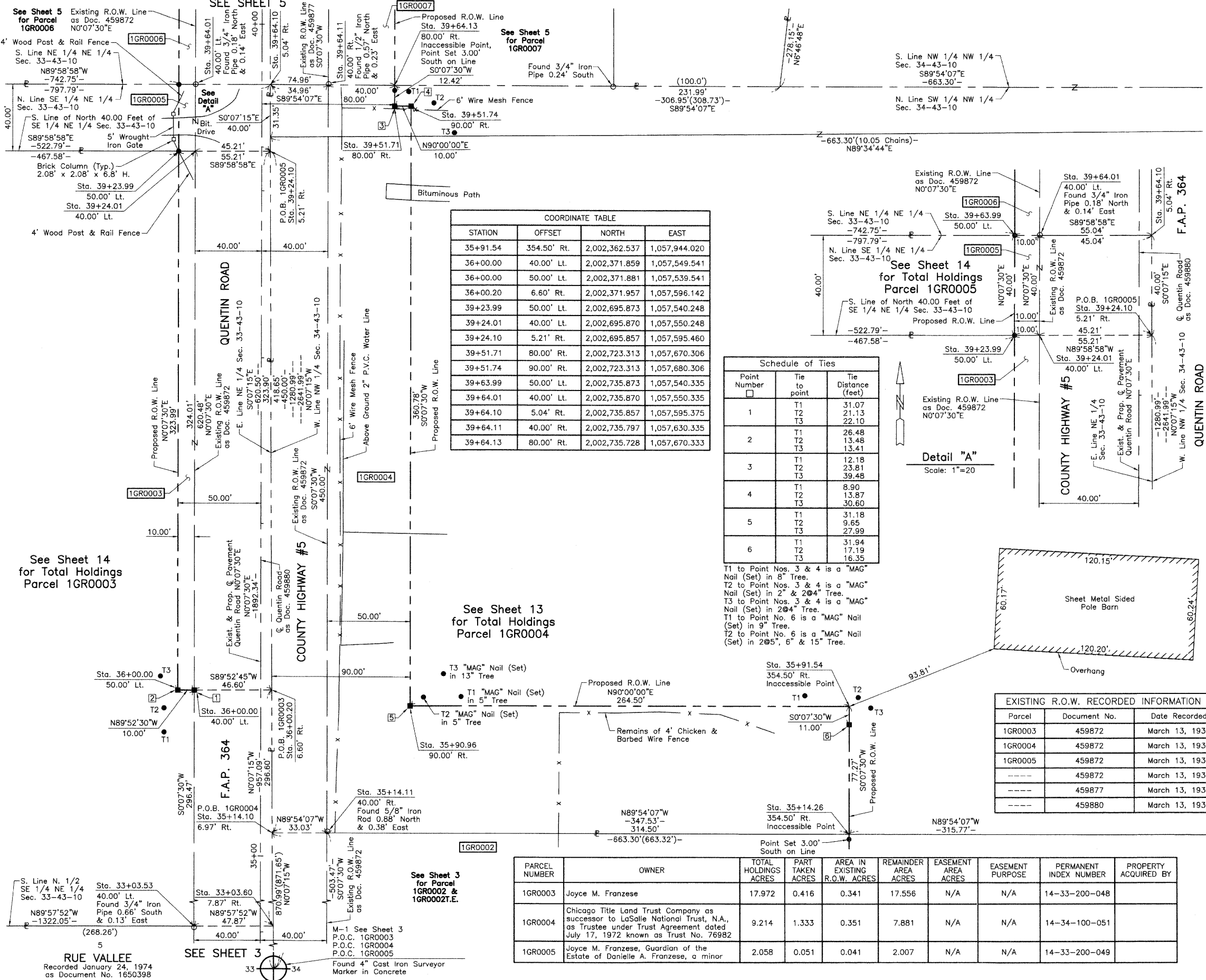
Table with 4 columns: Parcel, Document No., Date Recorded. Lists recorded information for existing right-of-way parcels.

Table with 9 columns: PARCEL NUMBER, OWNER, TOTAL HOLDINGS ACRES, PART TAKEN ACRES, AREA IN EXISTING R.O.W. ACRES, REMAINDER AREA ACRES, EASEMENT AREA ACRES, EASEMENT PURPOSE, PERMANENT INDEX NUMBER, PROPERTY ACQUIRED BY. Lists parcel details for parcels 1GR0003, 1GR0004, and 1GR0005.

COORDINATE TABLE with 4 columns: STATION, OFFSET, NORTH, EAST. Lists stationing and coordinates for the proposed right-of-way.

Schedule of Ties table with 3 columns: Point Number, Tie to point, Tie Distance (feet). Lists tie points and distances for various monuments.

T1 to Point Nos. 3 & 4 is a "MAG" Nail (Set) in 8" Tree.
T2 to Point Nos. 3 & 4 is a "MAG" Nail (Set) in 2" & 2@4" Tree.
T3 to Point Nos. 3 & 4 is a "MAG" Nail (Set) in 2@4" Tree.
T1 to Point No. 6 is a "MAG" Nail (Set) in 9" Tree.
T2 to Point No. 6 is a "MAG" Nail (Set) in 2@5", 6" & 15" Tree.



PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 364 (QUENTIN ROAD)
SECTION 02-00051-08-WR LAKE COUNTY
PROJECT JOB NO. R-91-013-08
STATION 33+00 TO STATION 40+00
SCALE: 1"=30' SHEET 4 OF 17

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE NW 1/4 SEC. 34, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

CONCORDE SUBDIVISION
Recorded June 28, 1988
as Document No. 2695269

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA

EXISTING BUILDING

Scale: 1"=20'

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 "VGB 3A", P.I.D. AJ3080.

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

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● T2
● T3

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT2
● BT3

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

○ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 10E. AND SECTION 34, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 17th DAY OF July 2008 A.D.

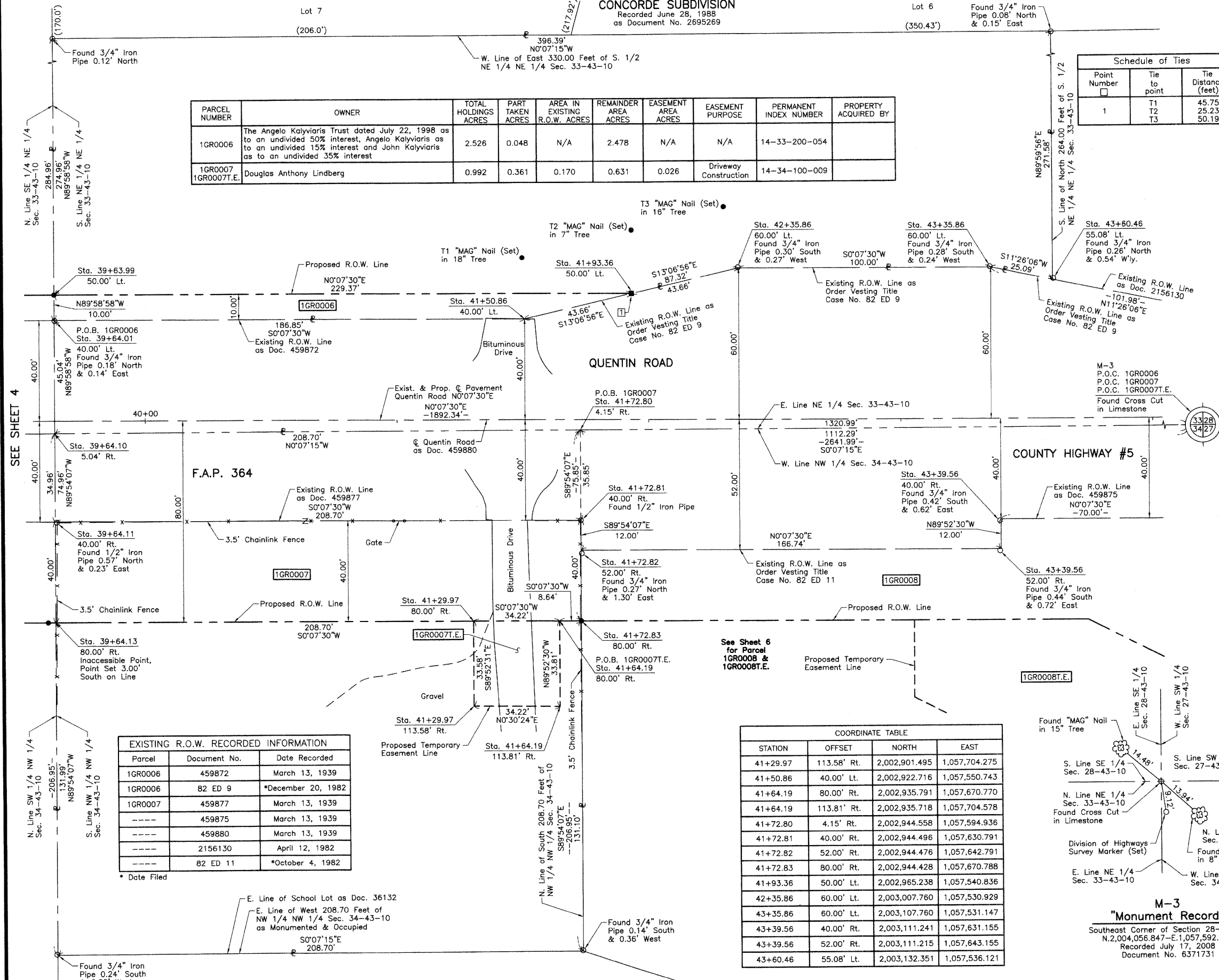
CHRISTIAN H. JORGENSEN
2797 PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
LAKE VILLA, ILLINOIS

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
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.

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	45.75
	T2	25.23
	T3	50.19

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1GR0006	The Angelo Kalyviaris Trust dated July 22, 1998 as to an undivided 50% interest, Angelo Kalyviaris as to an undivided 15% interest and John Kalyviaris as to an undivided 35% interest	2.526	0.048	N/A	2.478	N/A	N/A	14-33-200-054	
1GR0007	Douglas Anthony Lindberg	0.992	0.361	0.170	0.631	0.026	Driveway Construction	14-34-100-009	



SEE SHEET 6

SEE SHEET 4

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1GR0006	459872	March 13, 1939
1GR0006	82 ED 9	*December 20, 1982
1GR0007	459877	March 13, 1939
----	459875	March 13, 1939
----	459880	March 13, 1939
----	2156130	April 12, 1982
----	82 ED 11	*October 4, 1982

* Date Filed

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
41+29.97	113.58' Rt.	2,002,901.495	1,057,704.275
41+50.86	40.00' Lt.	2,002,922.716	1,057,550.743
41+64.19	80.00' Rt.	2,002,935.791	1,057,670.770
41+64.19	113.81' Rt.	2,002,935.718	1,057,704.578
41+72.80	4.15' Rt.	2,002,944.558	1,057,594.936
41+72.81	40.00' Rt.	2,002,944.496	1,057,630.791
41+72.82	52.00' Rt.	2,002,944.476	1,057,642.791
41+72.83	80.00' Rt.	2,002,944.428	1,057,670.788
41+93.36	50.00' Lt.	2,002,965.238	1,057,540.836
42+35.86	60.00' Lt.	2,003,007.760	1,057,530.929
43+35.86	60.00' Lt.	2,003,107.760	1,057,531.147
43+39.56	40.00' Rt.	2,003,111.241	1,057,631.155
43+39.56	52.00' Rt.	2,003,111.215	1,057,643.155
43+60.46	55.08' Lt.	2,003,132.351	1,057,536.121

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
39+63.99	50.00' Lt.	2,002,735.873	1,057,540.335
39+64.01	40.00' Lt.	2,002,735.870	1,057,550.335
39+64.10	5.04' Rt.	2,002,735.857	1,057,595.375
39+64.11	40.00' Rt.	2,002,735.797	1,057,630.335
39+64.13	80.00' Rt.	2,002,735.728	1,057,670.333
41+29.97	80.00' Rt.	2,002,901.568	1,057,670.695

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 364 (QUENTIN ROAD)

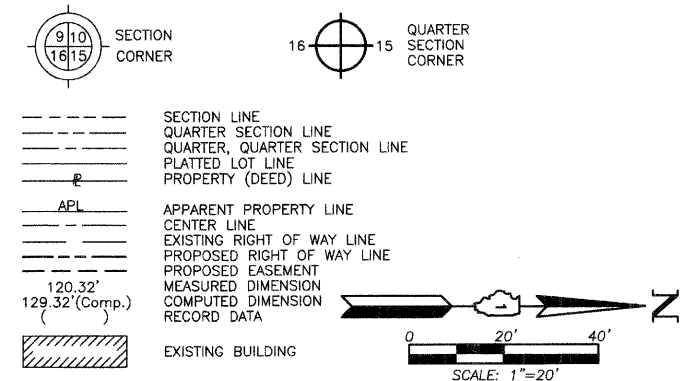
SECTION 02-00051-08-WR LAKE COUNTY
PROJECT JOB NO. R-91-013-08
STATION 39+00 TO STATION 44+00
SCALE: 1"=20' SHEET 5 OF 17

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE NW 1/4 SEC. 34, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1GR0008 1GR0008T.E.	Harris, N.A., as successor to Harris Bank Barrington, National Association, as Trustee under Trust Agreement dated March 5, 1974, known as Trust No. 823	1.016	0.307	N/A	0.709	0.101	Building Demolition	14-34-100-023	

LEGEND



- 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 "VGB 3A", P.I.D. AJ3080.
- 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 THE 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 THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT2
 - BT3
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FEATURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 10E. AND SECTION 34, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 9th DAY OF July 2008 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

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.

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	115.47*
	T2	94.86*
	T3	84.80*
2	T1	145.38*
	T2	114.88*
	T3	85.85*
3	T1	32.55
	T2	37.03
	T3	53.42

* Computed Tie Distance

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
41+72.83	80.00' Rt.	2,002,944.428	1,057,670.788
42+35.86	60.00' Lt.	2,003,007.760	1,057,530.929
43+04.92	110.57' Rt.	2,003,076.446	1,057,701.645
43+04.94	80.00' Rt.	2,003,076.534	1,057,671.077
43+35.86	60.00' Lt.	2,003,107.760	1,057,531.147
43+39.56	40.00' Rt.	2,003,111.241	1,057,631.155
43+39.56	52.00' Rt.	2,003,111.215	1,057,643.155
43+74.06	80.00' Rt.	2,003,145.659	1,057,671.228
44+09.56	40.00' Rt.	2,003,181.241	1,057,631.307
44+35.86	40.00' Lt.	2,003,207.716	1,057,551.365
44+78.05	40.00' Lt.	2,003,249.910	1,057,551.457
220+92.66	50.00' Rt.	2,003,280.222	1,057,533.960
221+34.92	0	2,003,305.919	1,057,594.174
221+83.40	55.00' Lt.	2,003,333.293	1,057,662.184
222+51.73	50.00' Rt.	2,003,208.787	1,057,676.091
222+75.74	75.00' Rt.	2,003,175.672	1,057,686.312
223+34.00	75.00' Rt.	2,003,149.509	1,057,738.366
224+55.93	50.00' Rt.	2,003,117.088	1,057,858.541
224+59.68	75.00' Rt.	2,003,093.066	1,057,850.669

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
0+65.81	40.00' Rt.	2,003,372.945	1,057,631.726
41+50.86	40.00' Lt.	2,002,922.716	1,057,550.743
41+72.81	40.00' Rt.	2,002,944.496	1,057,630.791
41+72.82	52.00' Rt.	2,002,944.476	1,057,642.791

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 364 (QUENTIN ROAD)
SECTION 02-00051-08-WR LAKE COUNTY
PROJECT JOB NO. R-91-013-08
STATION 0+00 TO STATION 1+00
STATION 41+00 TO STATION 45+35.45
STATION 220+00 TO STATION 225+00
SCALE: 1"=20' SHEET 6 OF 17

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1GR0008	459875	March 13, 1939
1GR0008	474548	March 5, 1940
1GR0008	82 ED 11	*October 4, 1982
----	459876	March 13, 1939
----	459880	March 13, 1939

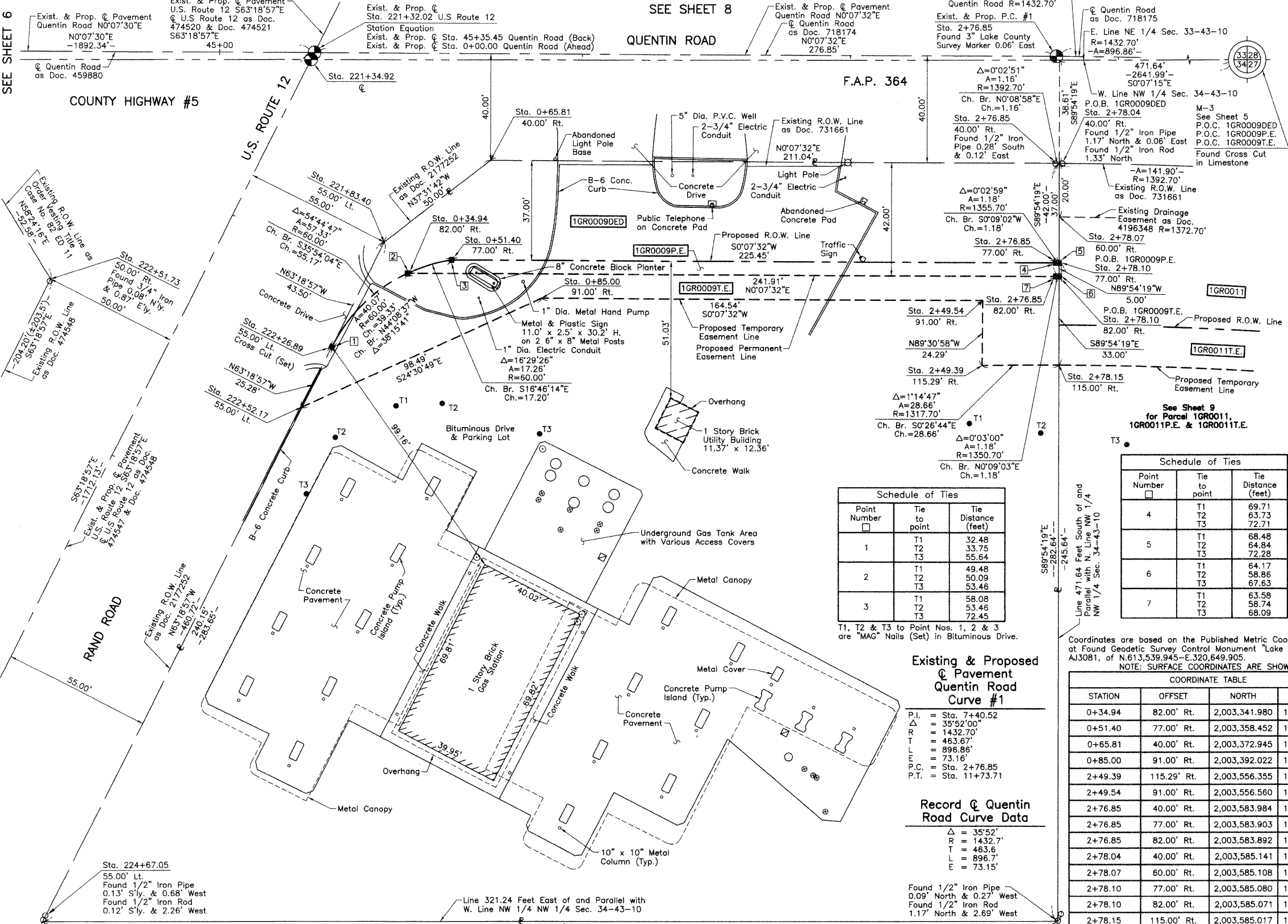
* Date Filed

EXISTING R.O.W. RECORDED INFORMATION

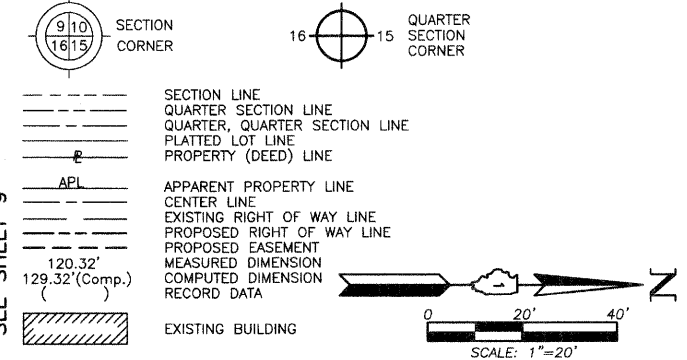
Parcel	Document No.	Date Recorded
----	474520	March 4, 1940
----	474521	March 4, 1940
----	474547	March 5, 1940
----	474548	March 5, 1940
----	718174	January 9, 1951
----	2156130	April 12, 1982
----	2177252	September 16, 1982
----	82 ED 9	*December 20, 1982

* Date Filed

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE NW 1/4 SEC. 34, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



LEGEND



- SECTION LINE
 - QUARTER SECTION LINE
 - PLATTED LOT LINE
 - PROPERTY (DEED) LINE
 - APL APPARENT PROPERTY LINE
 - CENTER LINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - MEASURED DIMENSION
 - COMPUTED DIMENSION
 - RECORD DATA
 - EXISTING BUILDING
- 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 "V83 3A", P.I.D. AJ3080.
- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - T1 THESE STAKES REFERRED FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - T2
 - T3
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERRED FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT2
 - BT3
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	32.48
	T2	33.75
	T3	55.64
2	T1	49.48
	T2	50.09
	T3	53.46
3	T1	58.08
	T2	53.46
	T3	72.45

T1, T2 & T3 to Point Nos. 1, 2 & 3 are "MAG" Nails (Set) in Bituminous Drive.

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
4	T1	69.71
	T2	63.73
	T3	72.71
5	T1	68.48
	T2	64.84
	T3	72.28
6	T1	64.17
	T2	58.86
	T3	67.63
7	T1	63.58
	T2	58.74
	T3	68.09

Existing & Proposed Pavement Quentin Road Curve #1

P.I. = Sta. 7+40.52
 Δ = 35°52'00"
R = 1432.70'
T = 463.67'
L = 896.86'
E = 73.16'
P.C. = Sta. 2+76.85
P.T. = Sta. 11+73.71

Record of Quentin Road Curve Data

Δ = 35°52'
R = 1432.7'
T = 463.6'
L = 896.7'
E = 73.15'

Found 1/2" Iron Pipe 0.09" North & 0.27" West
Found 1/2" Iron Rod 1.17" North & 2.69" West

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.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
0+34.94	82.00' Rt.	2,003,341.980	1,057,673.659
0+51.40	77.00' Rt.	2,003,358.452	1,057,668.695
0+65.81	40.00' Rt.	2,003,372.945	1,057,631.726
0+85.00	91.00' Rt.	2,003,392.022	1,057,682.768
2+49.39	115.29' Rt.	2,003,556.355	1,057,707.415
2+49.54	91.00' Rt.	2,003,556.560	1,057,683.129
2+76.85	40.00' Rt.	2,003,583.984	1,057,632.189
2+76.85	77.00' Rt.	2,003,583.903	1,057,669.189
2+76.85	82.00' Rt.	2,003,583.892	1,057,674.189
2+78.04	40.00' Rt.	2,003,585.141	1,057,632.192
2+78.07	60.00' Rt.	2,003,585.108	1,057,652.192
2+78.10	77.00' Rt.	2,003,585.080	1,057,669.192
2+78.10	82.00' Rt.	2,003,585.071	1,057,674.192
2+78.15	115.00' Rt.	2,003,585.017	1,057,707.192
221+34.92	⊙	2,003,305.919	1,057,594.174
221+83.40	55.00' Lt.	2,003,333.293	1,057,662.184
221+94.80	77.94' Lt.	2,003,348.668	1,057,682.673
222+26.89	55.00' Lt.	2,003,313.760	1,057,701.048
222+51.73	50.00' Rt.	2,003,208.787	1,057,676.091
222+52.17	55.00' Lt.	2,003,302.409	1,057,723.633
224+67.05	55.00' Lt.	2,003,205.913	1,057,915.626

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1GR0009	731661	July 3, 1951
1GR0009	2177252	September 16, 1982
----	459880	March 13, 1939
----	474520	March 4, 1940
----	474521	March 4, 1940
----	474547	March 5, 1940

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1GR0009DE 1GR0009PE 1GR0009TE	Angel Associates, LP	1.992	0.205*	N/A	1.992	P.E.=0.027 T.E.=0.099	Drainage Grading	14-34-100-054	

* Area of Proposed Dedication



JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 364 (QUENTIN ROAD)

SECTION 02-00051-08-WR LAKE COUNTY
PROJECT JOB NO. R-91-013-08
STATION 0+00.00 TO STATION 3+00
STATION 44+00 TO STATION 45+35.45
STATION 221+00 TO STATION 225+00
SCALE: 1"=20'
SHEET 7 OF 17

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE August 27, 2008

REVISION Added Parcel 1GR0009PE.

MADE BY

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE NW 1/4 SEC. 34, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

Existing & Proposed Pavement Quentin Road Curve #1

P.I.	=	Sta. 7+40.52
Δ	=	35°52'00"
R	=	1432.70'
T	=	463.67'
L	=	896.86'
E	=	73.16'
P.C.	=	Sta. 2+76.85
P.T.	=	Sta. 11+73.71

Record & Quentin Road Curve Data

Δ	=	35°52'
R	=	1432.7'
T	=	463.6'
L	=	896.7'
E	=	73.15'

LEGEND

SECTION CORNER 9 10 16 15
QUARTER SECTION CORNER 16 15

SECTION LINE
QUARTER SECTION LINE
QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

API
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA

120.32'
129.32'(Comp.)

EXISTING BUILDING

0 30' 60'
SCALE: 1"=30'

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.

○ 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 THE 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 THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● BT2
● BT3

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

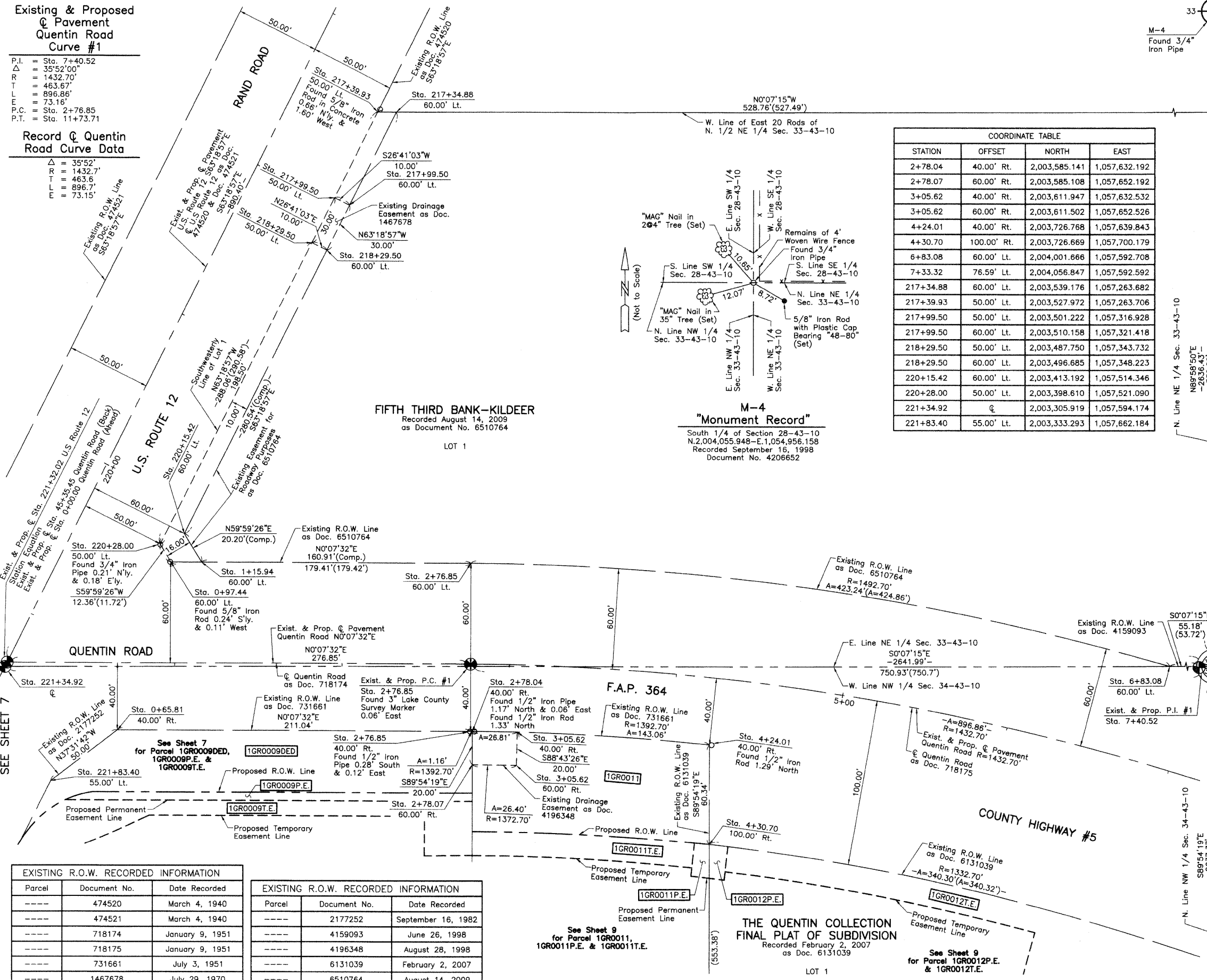
● PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
2+78.04	40.00' Rt.	2,003,585.141	1,057,632.192
2+78.07	60.00' Rt.	2,003,585.108	1,057,652.192
3+05.62	40.00' Rt.	2,003,611.947	1,057,632.532
3+05.62	40.00' Rt.	2,003,611.502	1,057,652.526
4+24.01	40.00' Rt.	2,003,726.768	1,057,639.843
4+30.70	100.00' Rt.	2,003,726.669	1,057,700.179
6+83.08	60.00' Lt.	2,004,001.666	1,057,592.708
7+33.32	76.59' Lt.	2,004,056.847	1,057,592.592
217+34.88	60.00' Lt.	2,003,539.176	1,057,263.682
217+39.93	50.00' Lt.	2,003,527.972	1,057,316.928
217+99.50	50.00' Lt.	2,003,510.222	1,057,321.418
218+29.50	50.00' Lt.	2,003,487.750	1,057,343.732
218+29.50	60.00' Lt.	2,003,496.685	1,057,348.223
220+15.42	60.00' Lt.	2,003,413.192	1,057,514.346
220+28.00	50.00' Lt.	2,003,398.610	1,057,521.090
221+34.92	0	2,003,305.919	1,057,594.174
221+83.40	55.00' Lt.	2,003,333.293	1,057,662.184

M-4
"Monument Record"
South 1/4 of Section 28-43-10
N.2,004,055.948-E.1,054,956.158
Recorded September 16, 1998
Document No. 4206652



COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
0+65.81	40.00' Rt.	2,003,372.945	1,057,631.726
0+97.44	60.00' Lt.	2,003,404.794	1,057,531.796
1+15.94	60.00' Lt.	2,003,423.294	1,057,531.837
2+76.85	60.00' Lt.	2,003,584.204	1,057,532.190
2+76.85	40.00' Rt.	2,003,583.984	1,057,632.189

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 364 (QUENTIN ROAD)
SECTION 02-00051-08-WR LAKE COUNTY
PROJECT JOB NO. R-91-013-08
STATION 0+00.00 TO STATION 8+00
STATION 217+00 TO STATION 222+00
SCALE: 1"=30' SHEET 8 OF 17

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
----	474520	March 4, 1940
----	474521	March 4, 1940
----	718174	January 9, 1951
----	718175	January 9, 1951
----	731661	July 3, 1951
----	1467678	July 29, 1970

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
----	2177252	September 16, 1982
----	4159093	June 26, 1998
----	4196348	August 28, 1998
----	6131039	February 2, 2007
----	6510764	August 14, 2009

REVISION DATE July 30, 2010

REVISION Eliminated Parcel 1GR0010DED

MADE BY

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE NW 1/4 SEC. 34, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

FIFTH THIRD BANK-KILDEER
Recorded August 14, 2009
as Document No. 6510764

Existing & Proposed
Pavement
Quentin Road
Curve #1

P.I. = Sta. 7+40.52
Δ = 35°52'00"
R = 1432.70'
T = 463.67'
L = 896.86'
E = 73.16'
P.C. = Sta. 2+76.85
P.T. = Sta. 11+73.71

Record & Quentin
Road Curve Data

Δ = 35°52'
R = 1432.7'
T = 463.6
L = 896.7'
E = 73.15'

M-3
See Sheet 5
P.O.C. 1GR0011
P.O.C. 1GR0011P.E.
P.O.C. 1GR0011T.E.
Sta. 7+33.32
76.59' Lt.
Found Cross Cut
in Limestone

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA

EXISTING BUILDING

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

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 10E. AND SECTION 34, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 2nd DAY OF August 2010 A.D.

CHRISTIAN H. JORGENSEN
2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS
LAKE VILLA, ILLINOIS

CHRISTIAN H. JORGENSEN PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
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.

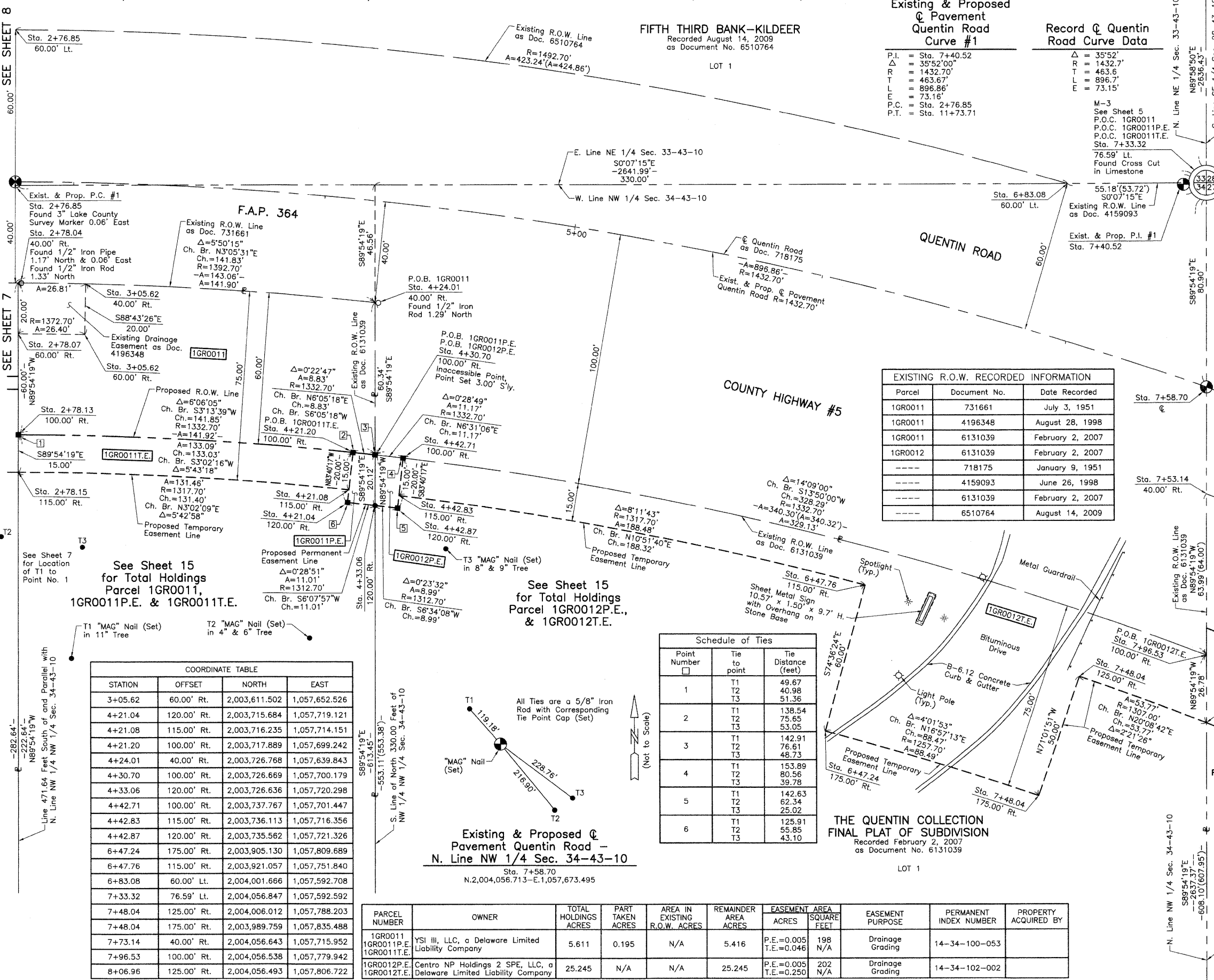
JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 364 (QUENTIN ROAD)

SECTION 02-00051-08-WR LAKE COUNTY
PROJECT JOB NO. R-91-013-08
STATION 2+76.85 TO STATION 8+00
SCALE: 1"=20' SHEET 9 OF 17

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1GR0011	731661	July 3, 1951
1GR0011	4196348	August 28, 1998
1GR0011	6131039	February 2, 2007
1GR0012	6131039	February 2, 2007
---	718175	January 9, 1951
---	4159093	June 26, 1998
---	6131039	February 2, 2007
---	6510764	August 14, 2009

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	49.67
	T2	40.98
	T3	51.36
2	T1	138.54
	T2	75.63
	T3	53.05
3	T1	142.91
	T2	76.61
	T3	48.73
4	T1	153.89
	T2	80.56
	T3	39.78
5	T1	142.63
	T2	62.34
	T3	25.02
6	T1	125.91
	T2	55.85
	T3	43.10

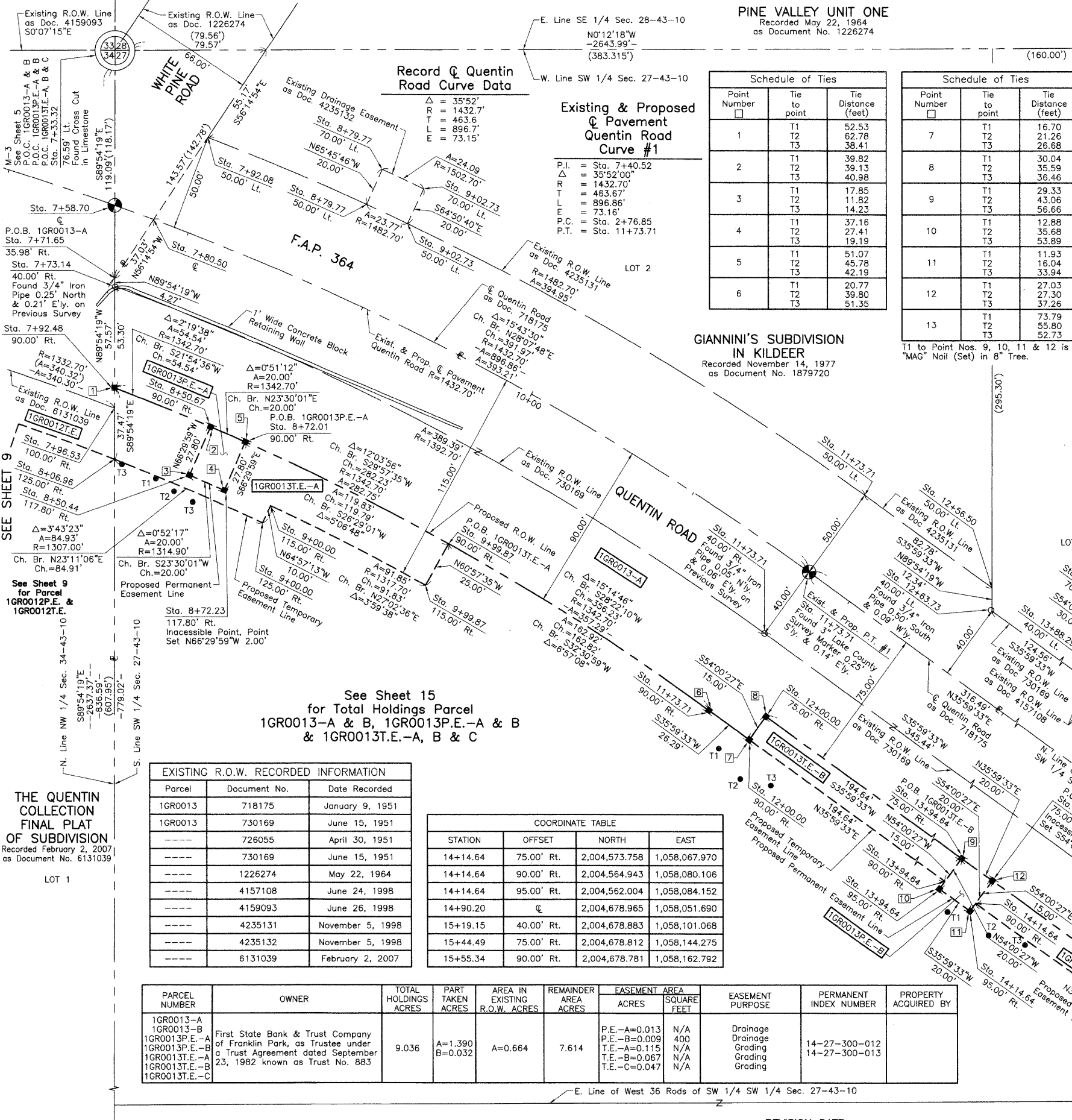
COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
3+05.62	60.00' Rt.	2,003,611.502	1,057,652.526
4+21.04	120.00' Rt.	2,003,715.684	1,057,719.121
4+21.08	115.00' Rt.	2,003,716.235	1,057,714.151
4+21.20	100.00' Rt.	2,003,717.889	1,057,699.242
4+24.01	40.00' Rt.	2,003,726.768	1,057,639.843
4+30.70	100.00' Rt.	2,003,726.669	1,057,700.179
4+33.06	120.00' Rt.	2,003,726.636	1,057,720.298
4+42.71	100.00' Rt.	2,003,737.767	1,057,701.447
4+42.83	115.00' Rt.	2,003,736.113	1,057,716.356
4+42.87	120.00' Rt.	2,003,735.562	1,057,721.326
6+47.24	175.00' Rt.	2,003,905.130	1,057,809.689
6+47.76	115.00' Rt.	2,003,921.057	1,057,751.840
6+83.08	60.00' Lt.	2,004,001.666	1,057,592.708
7+33.32	76.59' Rt.	2,004,056.847	1,057,592.592
7+48.04	125.00' Lt.	2,004,006.012	1,057,788.203
7+48.04	175.00' Rt.	2,003,989.759	1,057,835.488
7+73.14	40.00' Rt.	2,004,056.643	1,057,715.952
7+96.53	100.00' Rt.	2,004,056.538	1,057,779.942
8+06.96	125.00' Rt.	2,004,056.493	1,057,806.722

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1GR0011 1GR0011P.E. 1GR0011T.E.	YSI III, LLC, a Delaware Limited Liability Company	5.611	0.195	N/A	5.416	P.E.=0.005 T.E.=0.046	198 N/A	Drainage Grading	14-34-100-053	
1GR0012P.E. 1GR0012T.E.	Centro NP Holdings 2 SPE, LLC, a Delaware Limited Liability Company	25.245	N/A	N/A	25.245	P.E.=0.005 T.E.=0.250	202 N/A	Drainage Grading	14-34-102-002	

PART OF THE SW 1/4 OF SEC. 27 AND PART OF THE SE 1/4 SEC. 28, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PINE VALLEY UNIT ONE
Recorded May 22, 1964
as Document No. 1226274



Record & Quentin Road Curve Data

Existing & Proposed Quentin Road Curve #1

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	52.53
	T2	62.78
	T3	38.41
2	T1	39.82
	T2	39.13
	T3	40.98
3	T1	17.85
	T2	11.82
	T3	14.23
4	T1	37.16
	T2	27.41
	T3	19.19
5	T1	51.07
	T2	45.78
	T3	42.19
6	T1	20.77
	T2	39.80
	T3	51.35

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
7	T1	16.70
	T2	21.26
	T3	26.68
8	T1	30.04
	T2	35.59
	T3	36.46
9	T1	29.33
	T2	43.06
	T3	56.66
10	T1	12.88
	T2	35.68
	T3	53.89
11	T1	11.93
	T2	16.04
	T3	33.94
12	T1	27.03
	T2	27.30
	T3	37.26
13	T1	73.79
	T2	55.80
	T3	52.73

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
7+92.48	90.00' Rt.	2,004,056.555	1,057,769.250
7+96.53	100.00' Rt.	2,004,056.538	1,057,779.942
8+06.96	125.00' Rt.	2,004,056.493	1,057,806.672
8+50.44	117.80' Rt.	2,004,096.062	1,057,815.093
8+50.67	90.00' Rt.	2,004,107.148	1,057,789.598
8+72.01	90.00' Rt.	2,004,125.489	1,057,797.573
8+72.23	117.80' Rt.	2,004,114.403	1,057,823.068
8+79.77	50.00' Lt.	2,004,189.598	1,057,672.880
8+79.77	70.00' Lt.	2,004,197.808	1,057,654.643
9+00.00	115.00' Rt.	2,004,138.781	1,057,831.096
9+00.00	125.00' Rt.	2,004,134.549	1,057,840.153
9+02.73	50.00' Lt.	2,004,211.191	1,057,682.810
9+02.73	70.00' Lt.	2,004,219.693	1,057,664.707
9+99.87	90.00' Rt.	2,004,232.708	1,057,850.992
9+99.87	115.00' Rt.	2,004,220.573	1,057,872.849
11+73.71	50.00' Lt.	2,004,452.281	1,057,825.242
11+73.71	€	2,004,422.897	1,057,865.697
11+73.71	40.00' Rt.	2,004,399.390	1,057,898.061
11+73.71	90.00' Rt.	2,004,370.006	1,057,938.515
12+00.00	75.00' Rt.	2,004,400.088	1,057,941.826
12+00.00	90.00' Rt.	2,004,391.273	1,057,953.963
12+56.50	50.00' Lt.	2,004,519.260	1,057,873.892
12+63.73	40.00' Lt.	2,004,519.240	1,057,886.237
13+88.29	40.00' Lt.	2,004,620.022	1,057,959.439
13+88.29	70.00' Lt.	2,004,637.652	1,057,935.166
13+94.64	75.00' Rt.	2,004,557.576	1,058,056.216
13+94.64	90.00' Rt.	2,004,548.761	1,058,068.353
13+94.64	95.00' Rt.	2,004,545.822	1,058,072.398
14+14.54	40.00' Lt.	2,004,641.258	1,057,974.864
14+14.54	70.00' Lt.	2,004,658.888	1,057,950.591

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES IN CULTIVATED AREAS. REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 10E. AND SECTION 28, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
DATED AT LAKE VILLA, ILLINOIS THIS 30th DAY OF June 2008 A.D.



Christian H. Jorgensen, PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
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.

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
7+33.32	76.59' Lt.	2,004,056.847	1,057,592.592
7+58.70	€	2,004,056.713	1,057,673.495
7+71.65	35.98' Rt.	2,004,056.650	1,057,711.678
7+73.14	40.00' Rt.	2,004,056.643	1,057,715.952
7+80.50	€	2,004,077.222	1,057,680.891
7+92.08	50.00' Lt.	2,004,105.762	1,057,638.182

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1GR0013	718175	January 9, 1951
1GR0013	730169	June 15, 1951
----	726055	April 30, 1951
----	730169	June 15, 1951
----	1226274	May 22, 1964
----	4157108	June 24, 1998
----	4159093	June 26, 1998
----	4235131	November 5, 1998
----	4235132	November 5, 1998
----	6131039	February 2, 2007

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
14+14.64	75.00' Rt.	2,004,573.758	1,058,067.970
14+14.64	90.00' Rt.	2,004,564.943	1,058,080.106
14+14.64	95.00' Rt.	2,004,562.004	1,058,084.152
14+90.20	€	2,004,678.965	1,058,051.690
15+19.15	40.00' Rt.	2,004,678.883	1,058,101.068
15+44.49	75.00' Rt.	2,004,678.812	1,058,144.275
15+55.34	90.00' Rt.	2,004,678.781	1,058,162.792

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
						ACRES	SQUARE FEET			
1GR0013-A 1GR0013-B 1GR0013P.E.-A 1GR0013P.E.-B 1GR0013T.E.-A 1GR0013T.E.-B 1GR0013T.E.-C	First State Bank & Trust Company of Franklin Park, as Trustee under a Trust Agreement dated September 23, 1982 known as Trust No. 883	9.036	A=1.390 B=0.032	A=0.664	7.614	P.E.-A=0.013 P.E.-B=0.009 T.E.-A=0.115 T.E.-B=0.067 T.E.-C=0.047	N/A 400 N/A N/A N/A	Drainage Grading Grading Grading	14-27-300-012 14-27-300-013	

THE QUENTIN COLLECTION FINAL PLAT OF SUBDIVISION
Recorded February 2, 2007
as Document No. 6131039

PART OF THE SW 1/4 SEC. 27, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

SEE SHEET 12

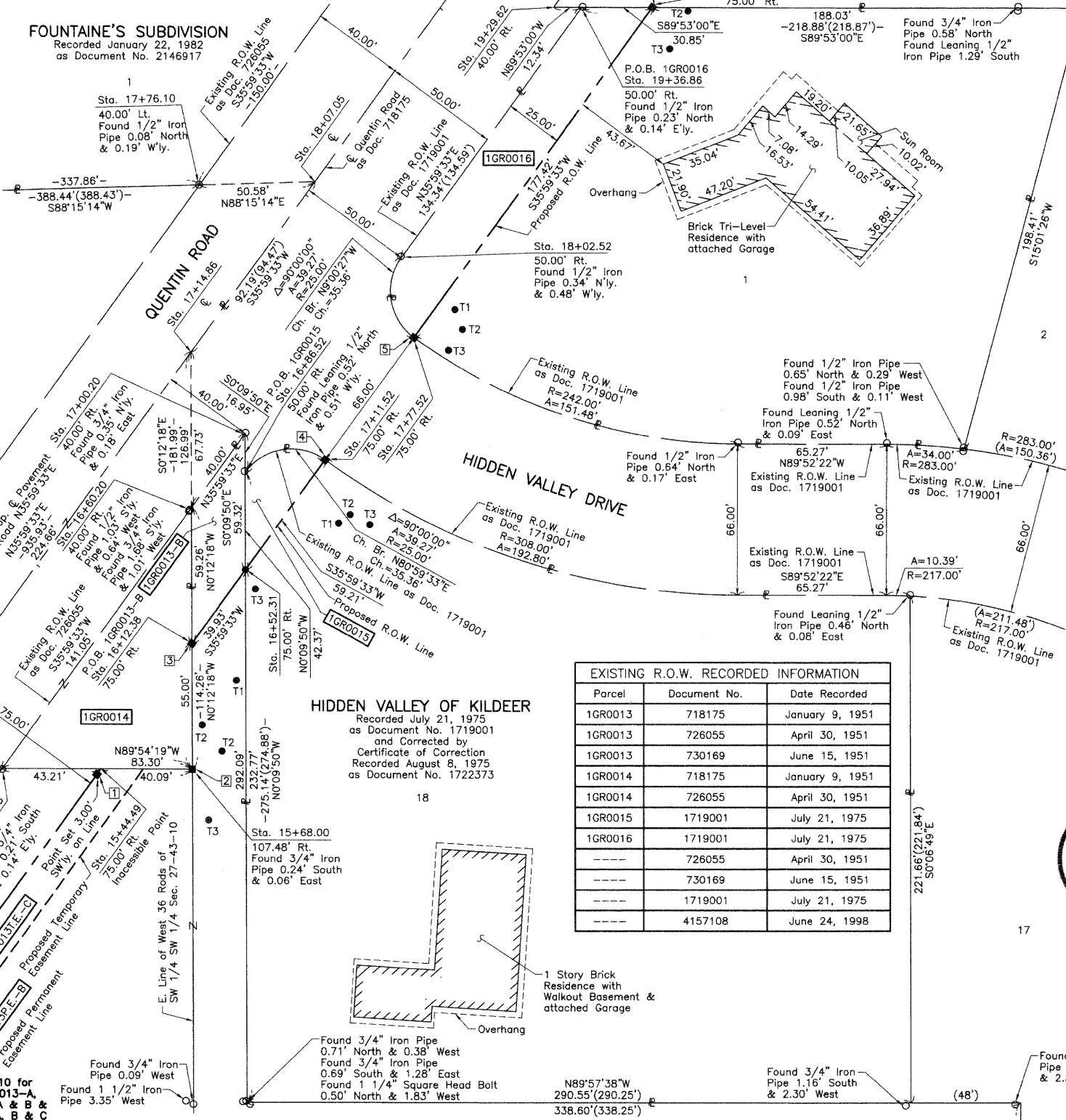
LEGEND

CONTRACT NO. 63649

STATION	OFFSET	NORTH	EAST
14+90.20	0	2,004,678.965	1,058,051.690
15+19.15	40.00' Rt.	2,004,678.883	1,058,101.068
15+44.49	75.00' Rt.	2,004,678.812	1,058,144.275
15+68.00	107.48' Rt.	2,004,678.746	1,058,184.371
16+12.38	75.00' Rt.	2,004,733.743	1,058,184.174
16+52.31	75.00' Rt.	2,004,766.049	1,058,207.639
16+60.20	40.00' Rt.	2,004,793.008	1,058,183.962
16+86.52	50.00' Rt.	2,004,808.423	1,058,207.518
17+00.20	40.00' Rt.	2,004,825.372	1,058,207.470
17+11.52	75.00' Rt.	2,004,813.958	1,058,242.437
17+14.86	0	2,004,860.739	1,058,183.720
17+76.10	40.00' Lt.	2,004,933.790	1,058,187.342
17+77.52	75.00' Rt.	2,004,867.358	1,058,281.224
18+02.52	50.00' Rt.	2,004,902.278	1,058,275.689
18+07.05	0	2,004,935.331	1,058,237.899
19+29.62	40.00' Rt.	2,005,010.994	1,058,342.295
19+36.86	50.00' Rt.	2,005,010.969	1,058,354.636
19+54.94	75.00' Rt.	2,005,010.906	1,058,385.489

Point Number	Tie to point	Tie Distance (feet)
1	T1	73.79
	T2	55.80
	T3	52.73
2	T1	43.41
	T2	15.23
	T3	23.03
3	T1	25.31
	T2	35.95
	T3	36.63
4	T1	28.20
	T2	26.22
	T3	34.27
5	T1	21.72
	T2	21.53
	T3	16.14
6	T1	26.88
	T2	15.69
	T3	19.61

T2 to Point No. 3 is a "MAG" Nail (Set) in 23" Tree.
 T1 & T2 to Point No. 4 is a "MAG" Nail (Set) in 9" Tree.
 T3 to Point No. 4 is a "MAG" Nail (Set) in 8" Tree.
 T2 to Point No. 6 is a "MAG" Nail (Set) in 8" Tree.



LEGEND

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

SECTION CORNER: 9/10, 16/15

QUARTER SECTION CORNER: 16, 15

SCALE: 1"=30'

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 "VGB 3A", P.I.D. AJ3080.

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

See Sheet 16 for Total Holdings Parcel 1GR0014

GIANNINI'S SUBDIVISION IN KILDEER

HIDDEN VALLEY OF KILDEER

Parcel	Document No.	Date Recorded
1GR0013	718175	January 9, 1951
1GR0013	726055	April 30, 1951
1GR0013	730169	June 15, 1951
1GR0014	718175	January 9, 1951
1GR0014	726055	April 30, 1951
1GR0015	1719001	July 21, 1975
1GR0016	1719001	July 21, 1975
---	726055	April 30, 1951
---	730169	June 15, 1951
---	1719001	July 21, 1975
---	4157108	June 24, 1998



THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25th DAY OF June 2008 A.D.

Christian H. Jorgensen, PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008

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

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.

STATION	OFFSET	NORTH	EAST
12+63.73	40.00' Lt.	2,004,519.240	1,057,886.237
13+88.29	40.00' Lt.	2,004,620.022	1,057,959.439
13+88.29	70.00' Lt.	2,004,637.652	1,057,935.166
14+14.54	40.00' Lt.	2,004,641.258	1,057,974.864
14+14.54	70.00' Lt.	2,004,658.888	1,057,950.591
14+61.25	40.00' Lt.	2,004,679.046	1,058,002.311

See Sheet 15 for Total Holdings Parcel 1GR0013-A & B, 1GR0013P.E.-A & B & 1GR0013T.E.-A, B & C

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
1GR0013-A 1GR0013-B 1GR0013P.E.-A 1GR0013P.E.-B 1GR0013T.E.-A 1GR0013T.E.-B 1GR0013T.E.-C	First State Bank & Trust Company of Franklin Park, as Trustee under a Trust Agreement dated September 23, 1982 known as Trust No. 883	9.036	A=1.390 B=0.032	A=0.664	7.614	P.E.-A=0.013 P.E.-B=0.009 T.E.-A=0.115 T.E.-B=0.067 T.E.-C=0.047	N/A 400 N/A N/A N/A	Drainage Grading Grading Grading	14-27-300-012 14-27-300-013	
1GR0014	Janice A. Rhein and Wayne T. Rhein, as Joint Tenants	5.075	0.567	0.458	4.508	N/A	N/A	N/A	14-27-300-007	
1GR0015	Geraldine M. Apple Declaration of Trust dated March 30, 1994	1.608	0.021	N/A	1.587	N/A	N/A	N/A	14-27-305-016	
1GR0016	Tohru Yamashita and Kazuyo Yamashita, in Joint Tenancy	1.036	0.094	N/A	0.942	N/A	N/A	N/A	14-27-305-006	

REVISION DATE July 29, 2010
 March 24, 2010

REVISION Configuration Parcel 1GR0016
 Configuration Parcel 1GR0014

MADE BY

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 F.A.P. 364 (QUENTIN ROAD)

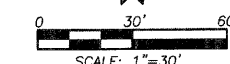
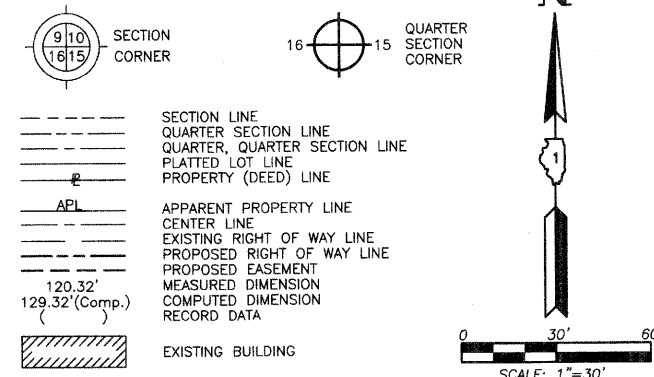
SECTION 02-00051-08-WR LAKE COUNTY
 PROJECT JOB NO. R-91-013-08
 STATION 12+00 TO STATION 19+50
 SCALE: 1"=30' SHEET 11 OF 17

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

PART OF THE SW 1/4 SEC. 27, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
----	718175	January 9, 1951
----	726055	April 30, 1951
----	726056	April 30, 1951
----	976534	December 27, 1957
----	1607260	April 4, 1973
----	1719001	July 21, 1975
----	4224458	October 20, 1998
----	4227759	October 20, 1998

LEGEND



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 "VGB 3A", P.I.D. AJ3080.

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

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 24th DAY OF June 2008 A.D.



Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008

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

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
19+29.62	40.00' Rt.	2,005,010.994	1,058,342.295
19+36.86	50.00' Rt.	2,005,010.969	1,058,354.636
21+09.64	40.00' Lt.	2,005,203.662	1,058,383.361
21+09.64	40.00' Rt.	2,005,156.647	1,058,448.088
23+07.74	61.63' Lt.	2,005,377.034	1,058,470.283
23+14.60	50.00' Lt.	2,005,377.007	1,058,483.687

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 364 (QUENTIN ROAD)
SECTION 02-00051-08-WR LAKE COUNTY
PROJECT JOB NO. R-91-013-08
STATION 19+00 TO STATION 25+00
SCALE: 1"=30' SHEET 12 OF 17

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
23+20.05	65.00' Lt.	2,005,389.039	1,058,473.288
23+20.43	40.00' Lt.	2,005,376.983	1,058,495.192
23+34.43	40.00' Rt.	2,005,349.827	1,058,571.733
23+43.04	℄	2,005,376.890	1,058,541.021
24+18.81	76.07' Rt.	2,005,409.679	1,058,644.369
24+40.43	40.00' Rt.	2,005,445.666	1,058,621.964

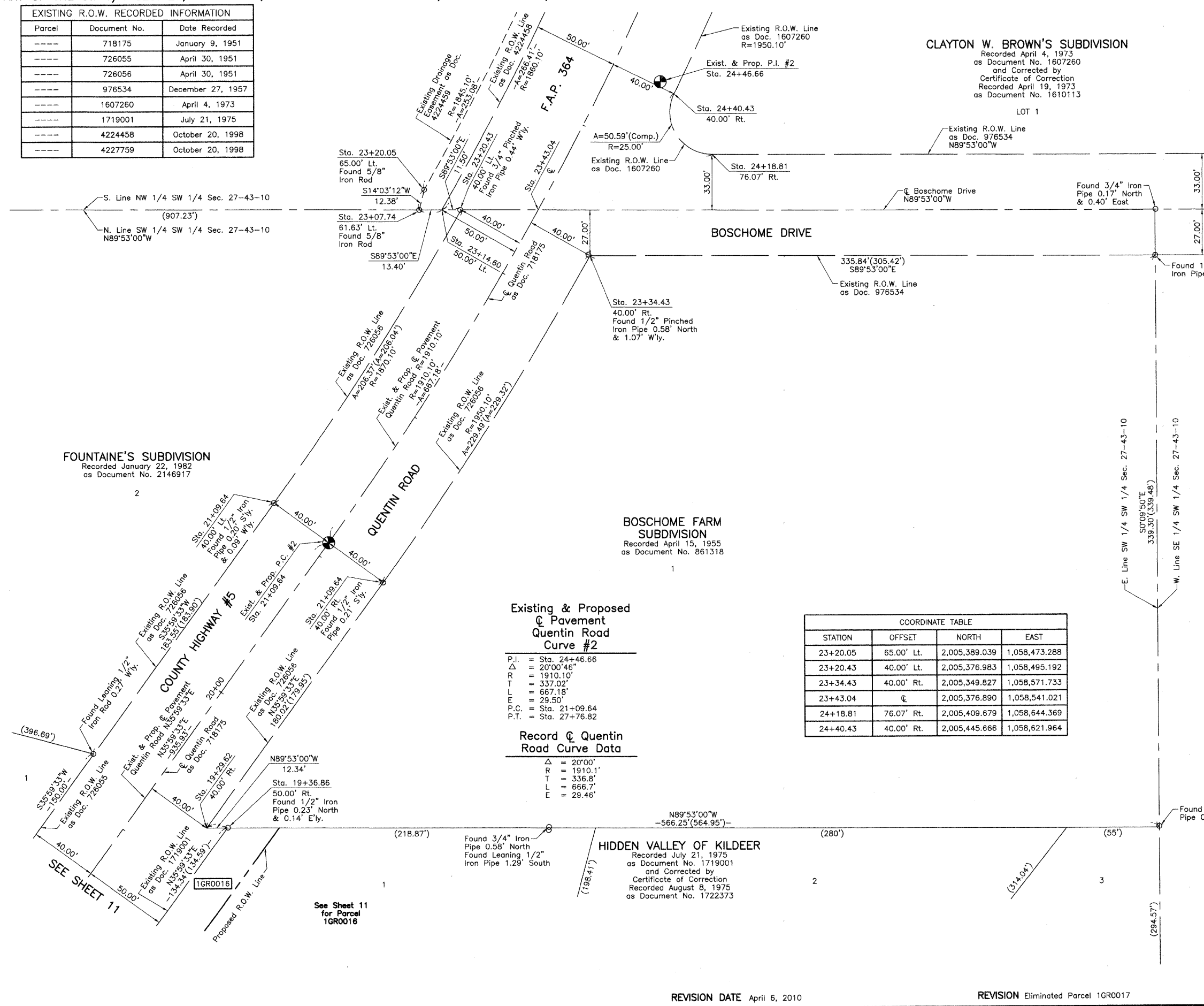
Existing & Proposed
Pavement
Quentin Road
Curve #2

P.I. = Sta. 24+46.66
Δ = 20°00'46"
R = 1910.10'
T = 337.02'
L = 667.18'
E = 29.50'
P.C. = Sta. 21+09.64
P.T. = Sta. 27+76.82

Record Curve Data

Δ = 20°00'
R = 1910.1'
T = 336.8'
L = 666.7'
E = 29.46'

HIDDEN VALLEY OF KILDEER
Recorded July 21, 1975
as Document No. 1719001
and Corrected by
Certificate of Correction
Recorded August 8, 1975
as Document No. 1722373



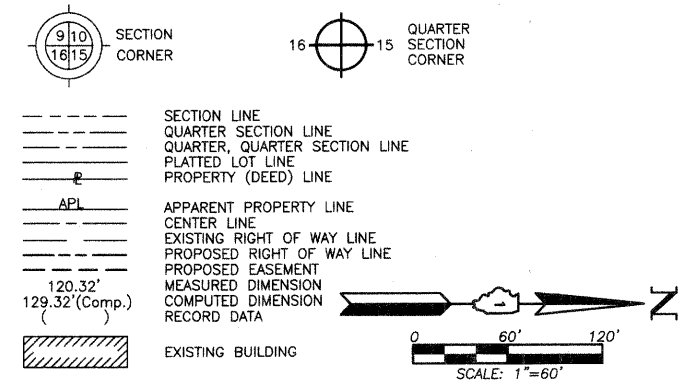
REVISION DATE April 6, 2010

REVISION Eliminated Parcel 1GR0016

MADE BY

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE NW 1/4 SEC. 34, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



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 "V86 3A", P.I.D. AJ3080.

O 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 THE 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 THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 BT2
 BT3

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 10E. AND SECTION 34, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 11th DAY OF June 2008 A.D.

Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

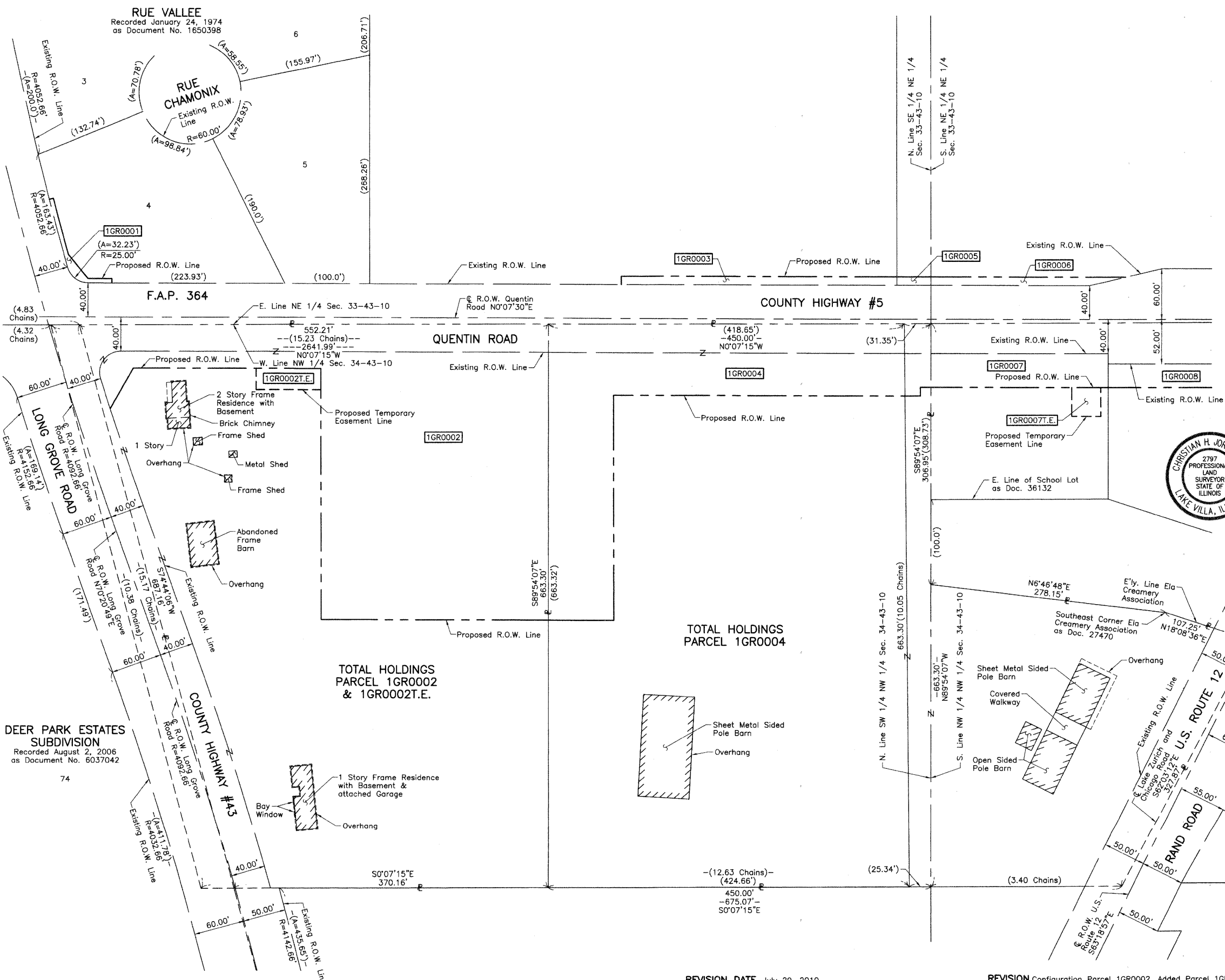
JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 F.A.P. 364 (QUENTIN ROAD)

SECTION 02-00051-08-WR LAKE COUNTY
 PROJECT JOB NO. R-91-013-08
 STATION NONE TO STATION
 SCALE: 1"=60' SHEET 13 OF 17

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

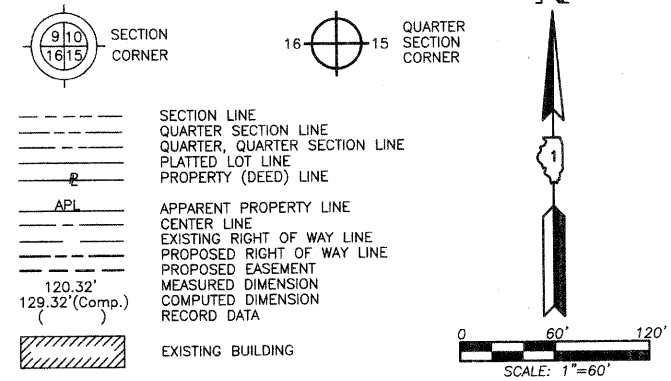


REVISION DATE July 29, 2010

REVISION Configuration Parcel 1GR0002, Added Parcel 1GR0002T.E. MADE BY

PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE NW 1/4 SEC. 34, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



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 "VGB 3A", P.I.D. AJ3080.

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

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 33, TOWNSHIP 43N., RANGE 10E. AND SECTION 34, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 11th DAY OF June 2008 A.D.



Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

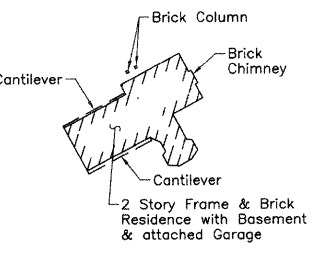
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 364 (QUENTIN ROAD)

SECTION 02-00051-08-WR LAKE COUNTY
PROJECT JOB NO. R-91-013-08
STATION NONE TO STATION
SCALE: 1"=60' SHEET 14 OF 17

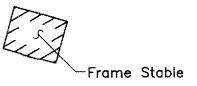
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

CONCORDE SUBDIVISION
Recorded June 28, 1988
as Document No. 2695269

TOTAL HOLDINGS
PARCEL 1GR0005



TOTAL HOLDINGS
PARCEL 1GR0003



RUE VALLEE
Recorded January 24, 1974
as Document No. 1650398

BRIARGATE
Recorded March 29, 1978
as Document No. 1906715
Corrected by Certificate of Correction
Recorded January 4, 1979
as Document No. 1970688

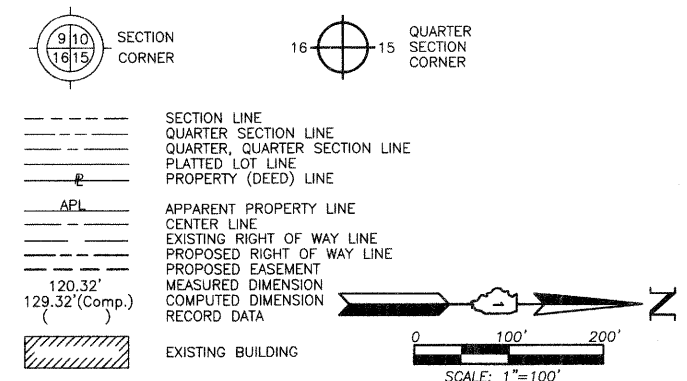
REVISION DATE

REVISION

MADE BY

PART OF THE SW 1/4 OF SEC. 27 AND PART OF THE NW 1/4 SEC. 34, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



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 "VGB 3A", P.I.D. AJ3080.

○ IRON PIPE OR ROD FOUND
+ CUT CROSS FOUND OR SET
● T1
● T2
● T3
● BT1
● BT2
● BT3
■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
● PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 10E. AND SECTION 34, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 31st DAY OF July 2010 A.D.

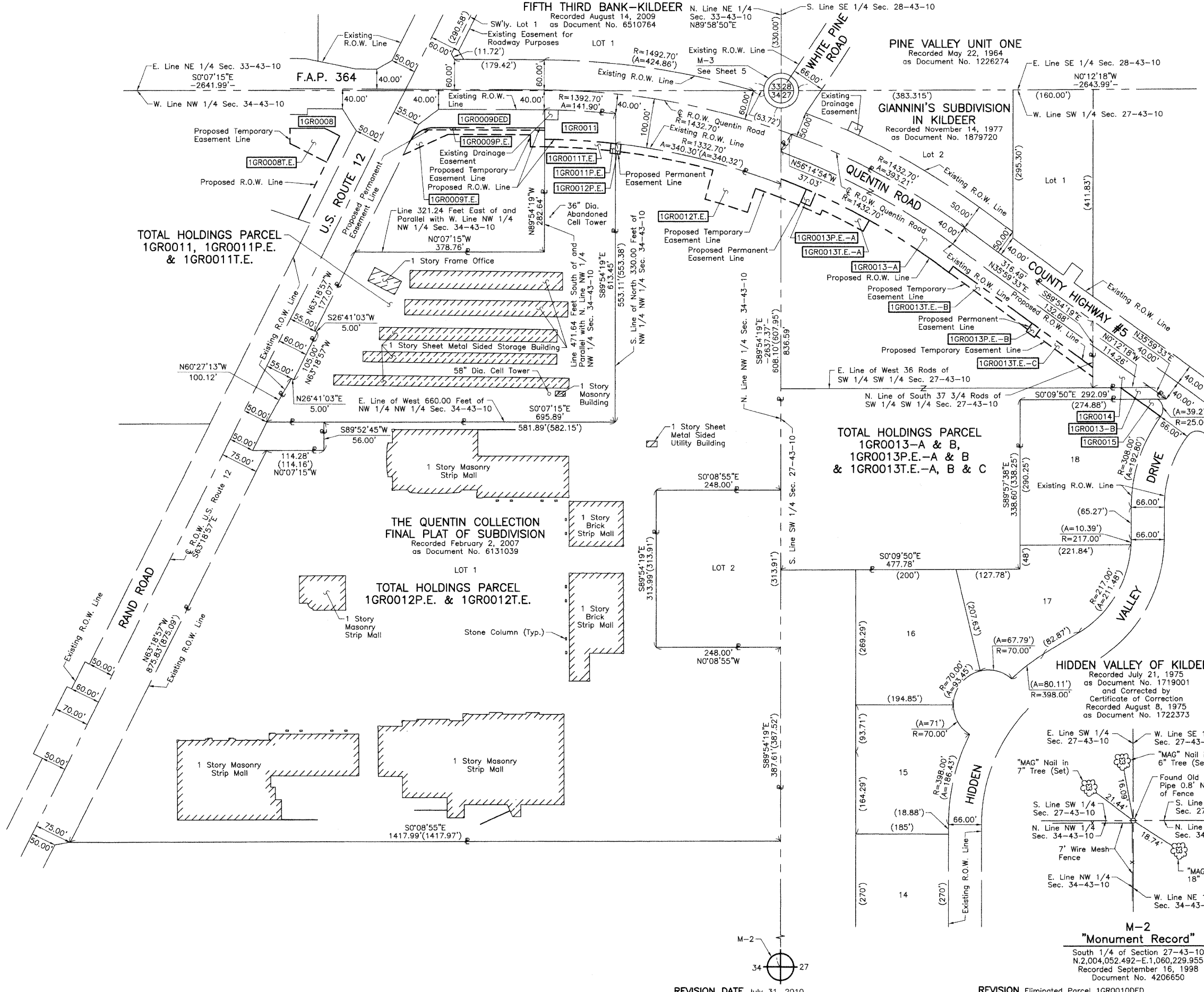


Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION/DATE NOVEMBER 30, 2010
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
Coordinates are based on the Published Metric Coordinate Values at Found Geodetic Survey Control Monument "Lake Zurich", P.I.D. AJ3081, of N.613,539.945-E.320,649.905.
NOTE: SURFACE COORDINATES ARE SHOWN.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371
SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 364 (QUENTIN ROAD)
SECTION 02-00051-08-WR LAKE COUNTY
PROJECT JOB NO. R-91-013-08
STATION NONE TO STATION
SCALE: 1"=100' SHEET 15 OF 17

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



REVISION DATE July 31, 2010

REVISION Eliminated Parcel 1GR0010DED
MADE BY

M-2
"Monument Record"
South 1/4 of Section 27-43-10
N.2,004,052.492-E.1,060,229.955
Recorded September 16, 1998
Document No. 4206650

PART OF THE SW 1/4 SEC. 27, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND

SECTION CORNER: 9 10 / 16 15

QUARTER SECTION CORNER: 16 15

SECTION LINE: ---

QUARTER SECTION LINE: - - -

QUARTER, QUARTER SECTION LINE: - · -

PLATTED LOT LINE: —+—

PROPERTY (DEED) LINE: —

APL: —|—

APPARENT PROPERTY LINE: —|—

CENTER LINE: —|—

EXISTING RIGHT OF WAY LINE: —|—

PROPOSED RIGHT OF WAY LINE: - - -

PROPOSED EASEMENT: - · -

MEASURED DIMENSION: 120.32'

COMPUTED DIMENSION: 129.32'(Comp.)

RECORD DATA: ---

EXISTING BUILDING: [Hatched Box]

SCALE: 1"=40'

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 "VGB 3A", P.I.D. AJ3080.

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

STATE OF ILLINOIS }
 COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 16th DAY OF June 2008 A.D.



Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

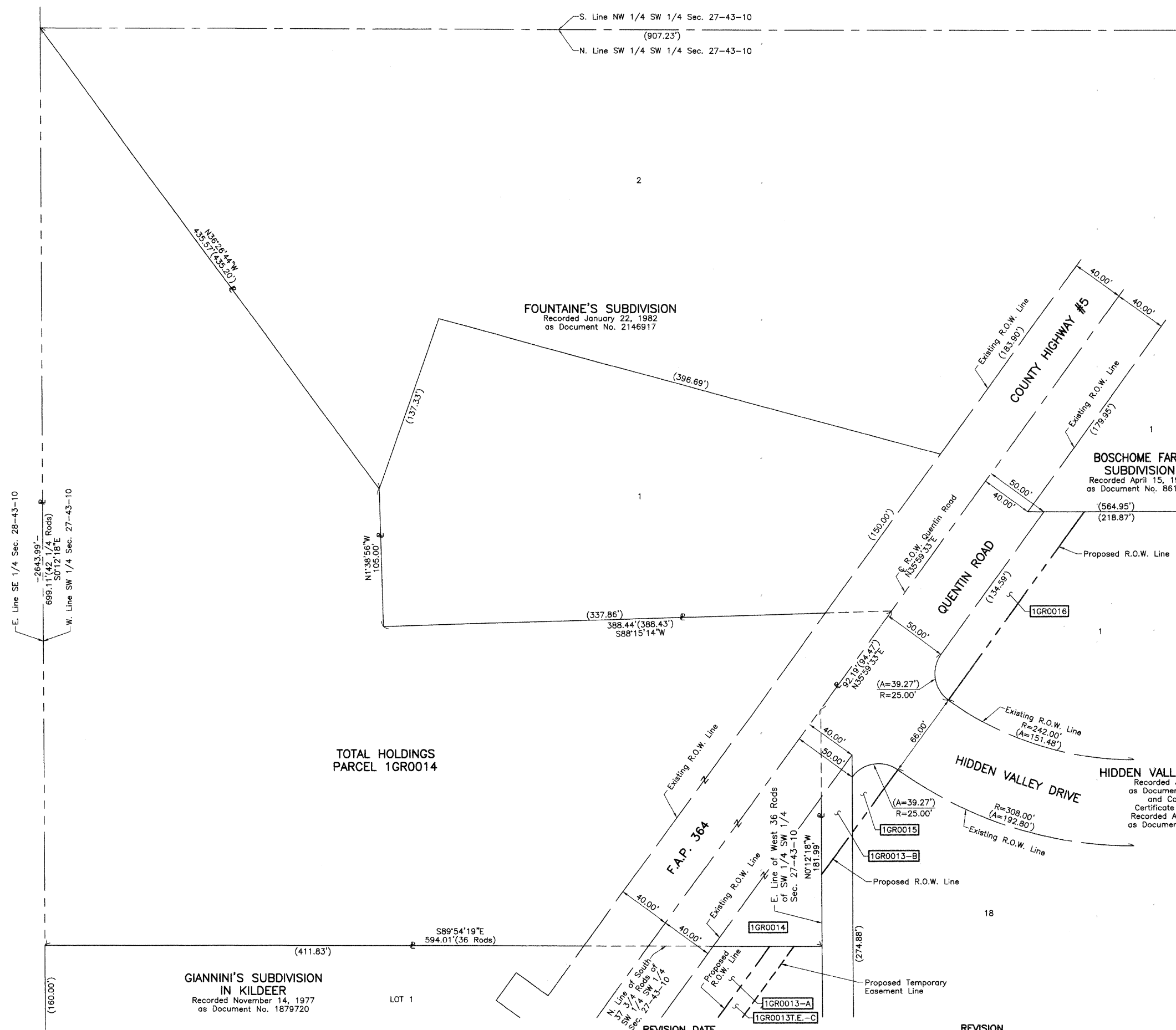
JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 358-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.P. 364 (QUENTIN ROAD)

SECTION 02-00051-08-WR LAKE COUNTY
 PROJECT JOB NO. R-91-013-08
 STATION NONE TO STATION
 SCALE: 1"=40' SHEET 16 OF 17

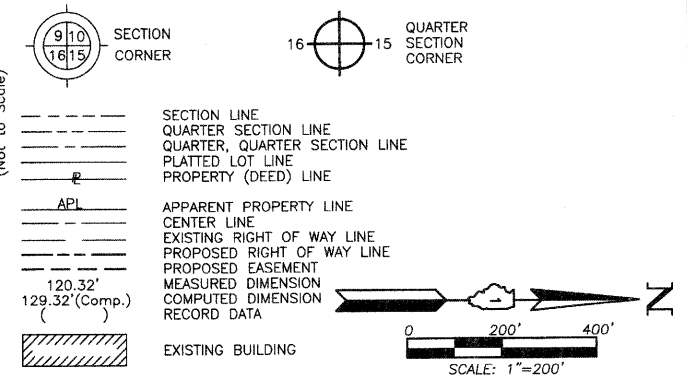
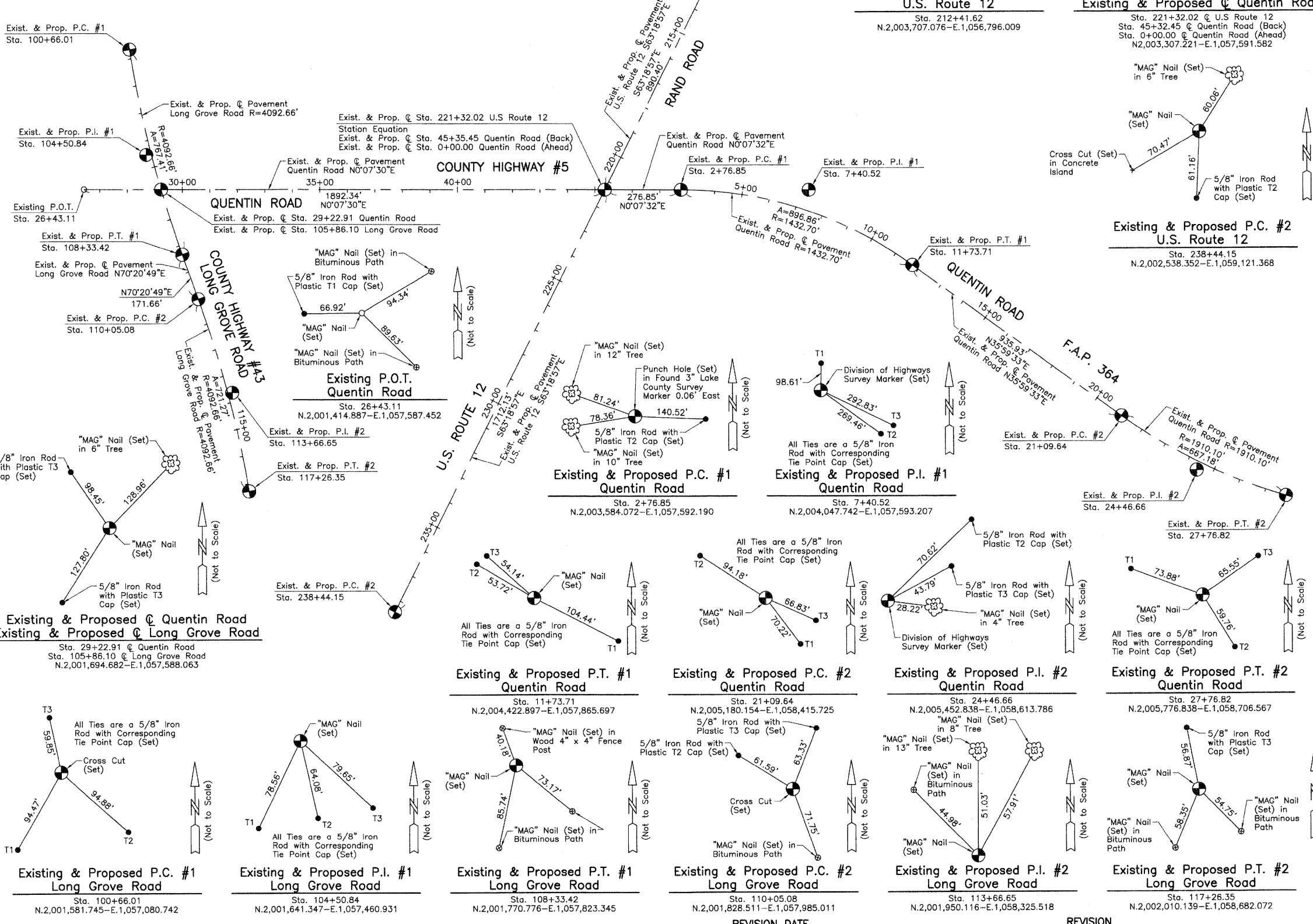
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196



PART OF THE SW 1/4 OF SEC. 27, PART OF THE NE 1/4 OF SEC. 33 AND PART OF THE NW 1/4 OF SEC. 34, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND

Existing & Proposed Pavement Quentin Road Curve #1	Existing & Proposed Pavement Quentin Road Curve #2	Existing & Proposed Pavement Long Grove Road Curve #1	Existing & Proposed Pavement Long Grove Road Curve #2
P.I. = Sta. 7+40.52	P.I. = Sta. 24+46.66	P.I. = Sta. 104+50.84	P.I. = Sta. 113+66.65
Δ = 35°52'00"	Δ = 20°00'46"	Δ = 10°44'36"	Δ = 10°05'51"
R = 1432.70'	R = 1910.10'	R = 4092.66'	R = 4092.66'
T = 463.67'	T = 337.02'	T = 384.83'	T = 361.57'
L = 896.86'	L = 667.18'	L = 767.41'	L = 721.27'
E = 73.16'	E = 29.50'	E = 18.05'	E = 15.94'
P.C. = Sta. 2+76.85	P.C. = Sta. 21+09.64	P.C. = Sta. 100+66.01	P.C. = Sta. 110+05.08
P.T. = Sta. 11+73.71	P.T. = Sta. 27+76.82	P.T. = Sta. 108+33.42	P.T. = Sta. 117+26.35



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 "VGB 3A", P.I.D. AJ3080.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 10E. AND SECTION 33, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 23rd DAY OF July 2008 A.D.



Christian H. Jorgensen PRESIDENT
2797 PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008

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

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.P. 364 (QUENTIN ROAD)

SECTION 02-00051-08-WR LAKE COUNTY
PROJECT JOB NO. R-91-013-08
STATION 0+00.00 TO STATION 27+76.82 (Quentin Rd.)
STATION 26+43.11 TO STATION 45+35.45 (Quentin Rd.)
STATION 100+66.01 TO STATION 117+26.35 (Long Grove Rd.)
STATION 212+41.62 TO STATION 238+44.15 (U.S. 12)
SCALE: 1"=200' SHEET 17 OF 17

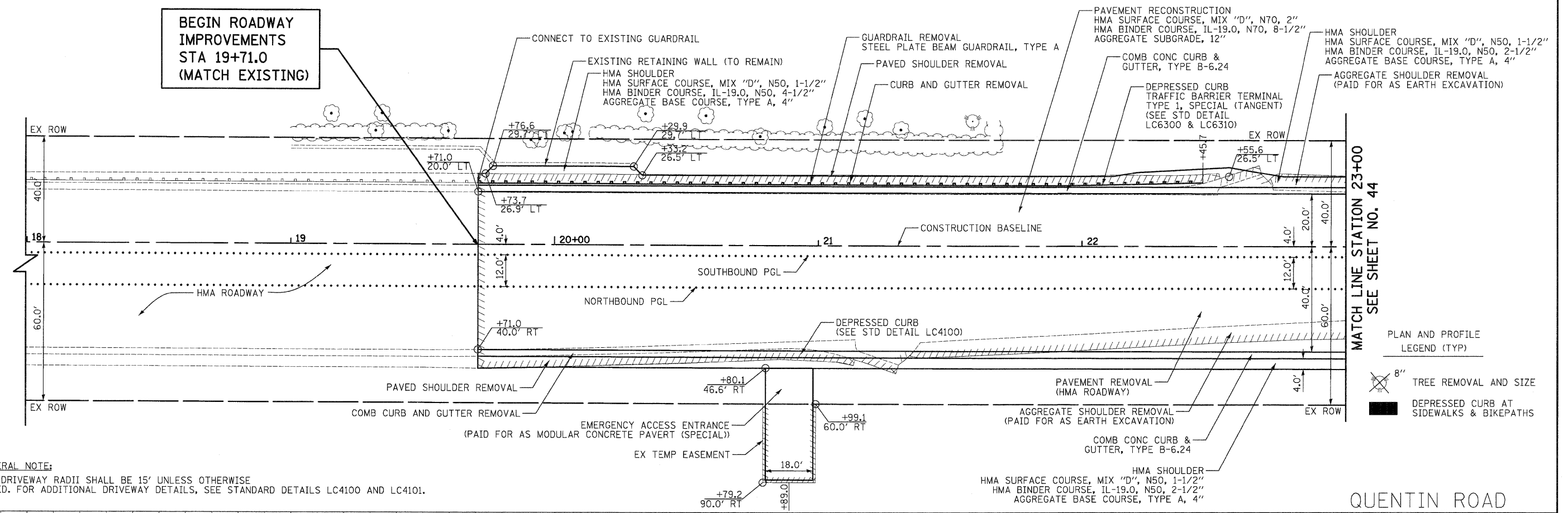
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



DATE	
BY	
FINISHED SURVEY	
NOTED SURVEY	
PLOTTED SURVEY	
TEMPLATE SURVEY	
NO. SURVEY	
AREAS CHECKED	

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

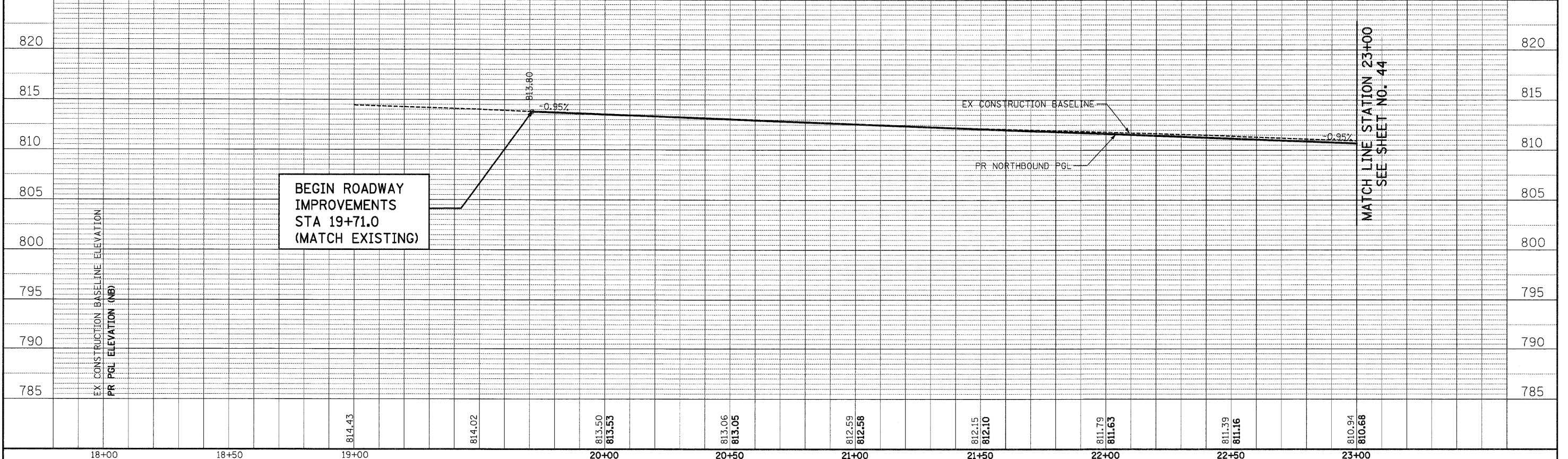
BEGIN ROADWAY IMPROVEMENTS STA 19+71.0 (MATCH EXISTING)



GENERAL NOTE:
 ALL DRIVEWAY RADII SHALL BE 15' UNLESS OTHERWISE NOTED. FOR ADDITIONAL DRIVEWAY DETAILS, SEE STANDARD DETAILS LC4100 AND LC4101.

PLAN AND PROFILE
 LEGEND (TYP)
 8" TREE REMOVAL AND SIZE
 DEPRESSED CURB AT SIDEWALKS & BIKEPATHS

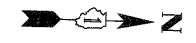
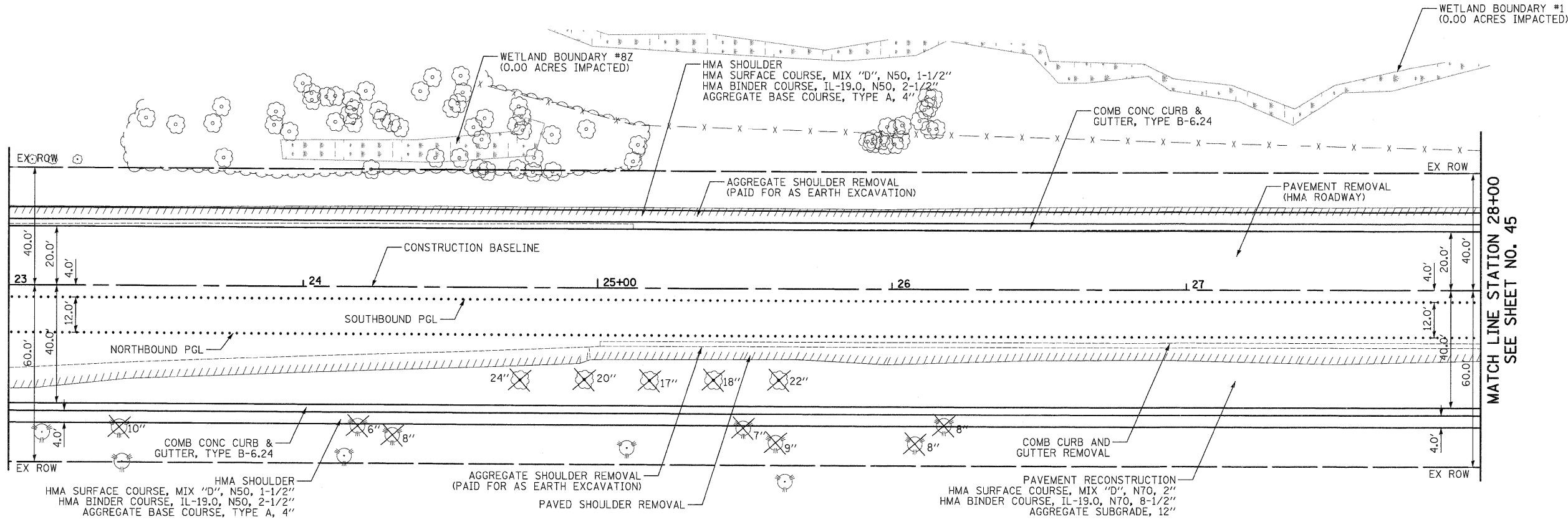
QUENTIN ROAD



DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

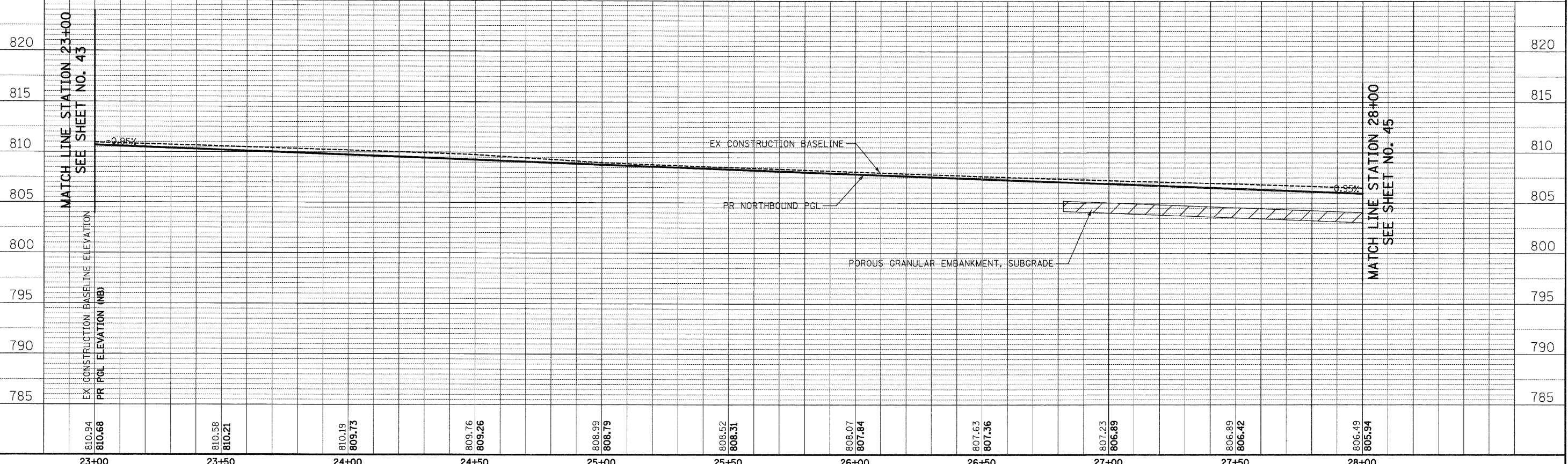
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

MATCH LINE STATION 23+00
SEE SHEET NO. 43



QUENTIN ROAD

GENERAL NOTE:
ALL DRIVEWAY RADII SHALL BE 15' UNLESS OTHERWISE NOTED. FOR ADDITIONAL DRIVEWAY DETAILS, SEE STANDARD DETAILS LC4100 AND LC4101.



810.94 810.68	810.58 810.21	810.19 809.73	809.76 809.26	808.99 808.79	808.52 808.31	808.07 807.84	807.63 807.36	807.23 806.89	806.89 806.42	806.49 805.94	820	815	810	805	800	795	790	785	
23+00	23+50	24+00	24+50	25+00	25+50	26+00	26+50	27+00	27+50	28+00									

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

DESIGNED - JRR
DRAWN - JRR
CHECKED - RTM
DATE - 10/24/2011

REVISÉ -
REVISÉ -
REVISÉ -
REVISÉ -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

VERT. 0
HORIZ. 0

SCALES
5 10
20 40

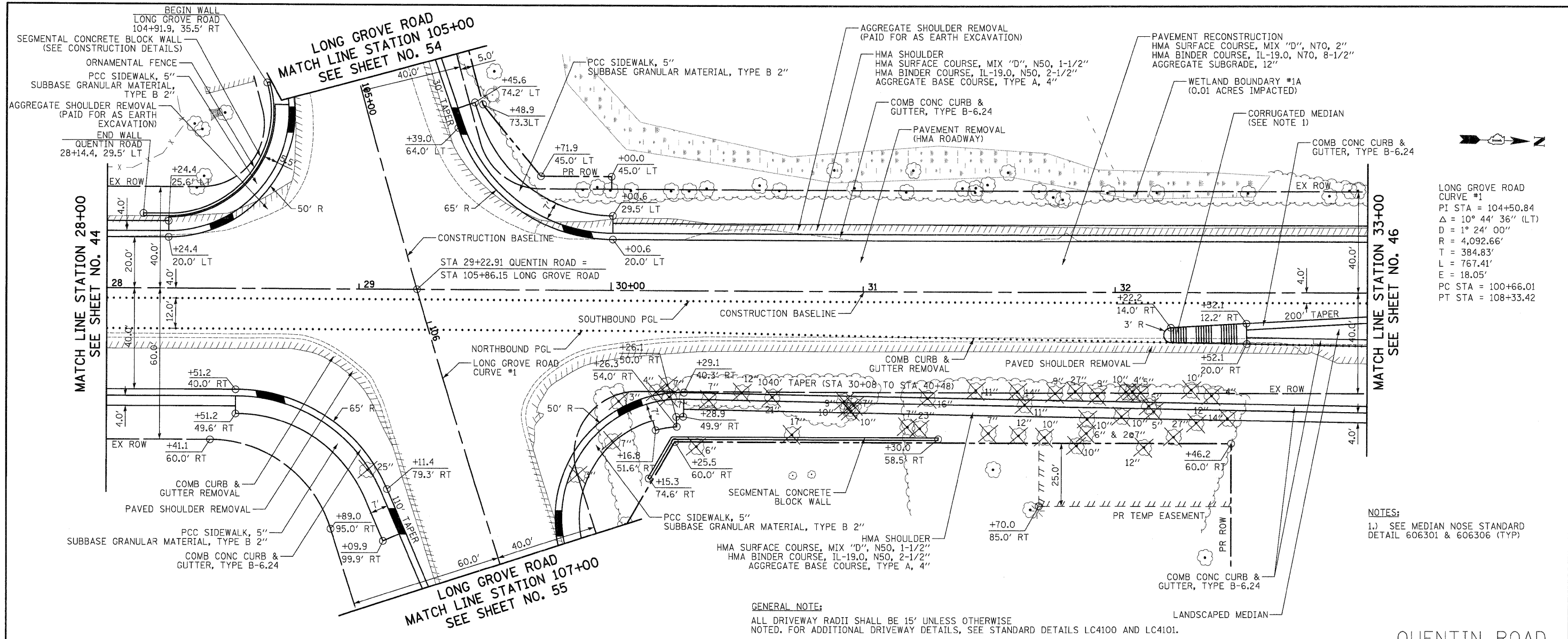
PLAN AND PROFILE

SHEET NO. 2 OF 13 SHEETS STA. 23+00 TO STA. 28+00

F.A.U. RTE. 364	SECTION 02-00051-08-WR	COUNTY LAKE	TOTAL SHEETS 188	SHEET NO. 44
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

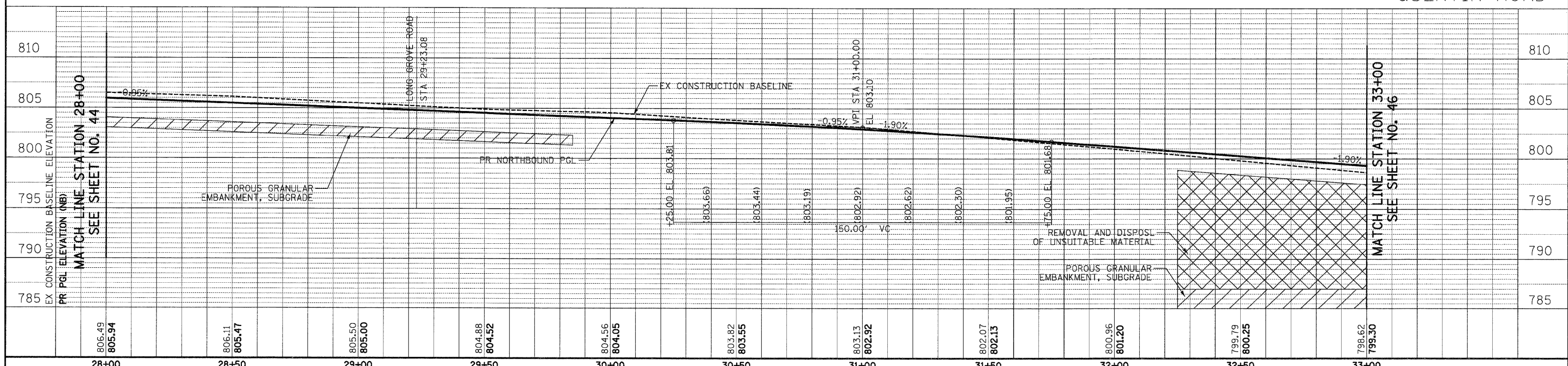
DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



LONG GROVE ROAD
 CURVE #1
 PI STA = 104+50.84
 $\Delta = 10^\circ 44' 36''$ (LT)
 $D = 1^\circ 24' 00''$
 $R = 4,092.66'$
 $T = 384.83'$
 $L = 767.41'$
 $E = 18.05'$
 PC STA = 100+66.01
 PT STA = 108+33.42

NOTES:
 1.) SEE MEDIAN NOSE STANDARD
 DETAIL 606301 & 606306 (TYP)



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

DESIGNED - JRR
 DRAWN - JRR
 CHECKED - RTM
 DATE - 10/24/2011

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VERT. 0
 HORIZ. 0

SCALES
 5
 10
 20
 40

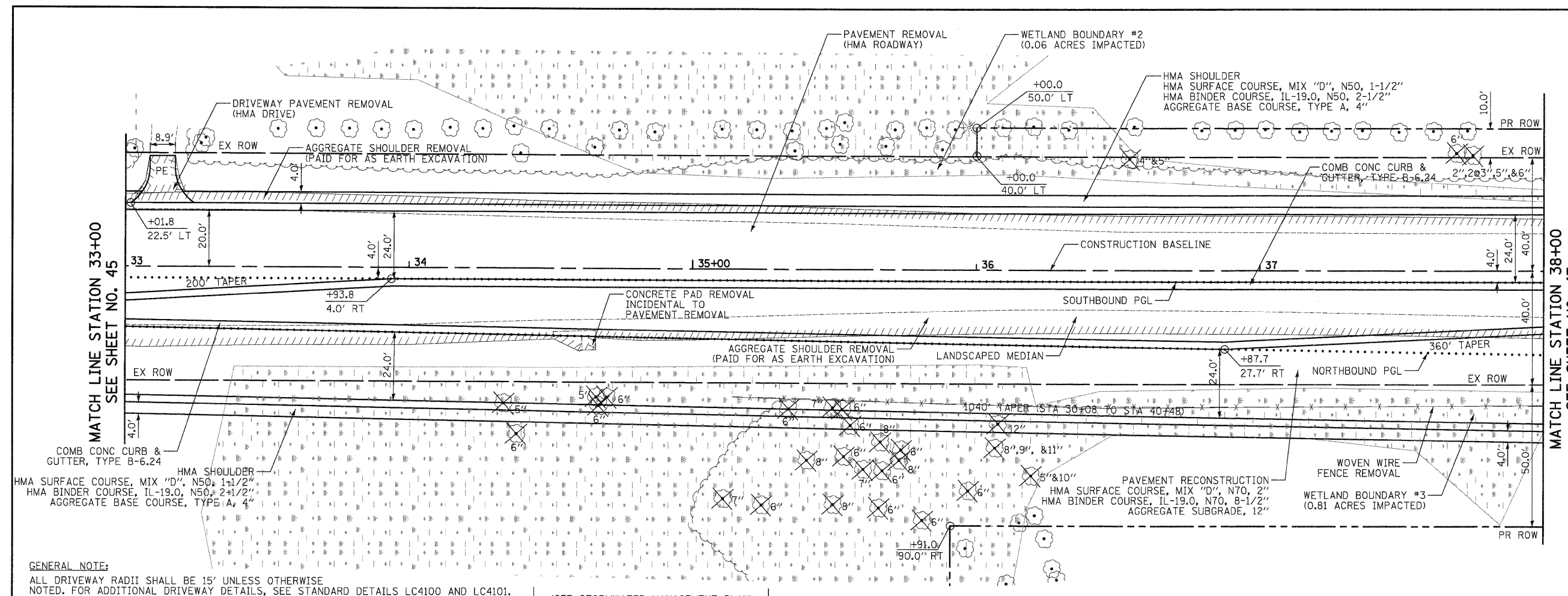
PLAN AND PROFILE

SHEET NO. 3 OF 13 SHEETS
 STA. 28+00 TO STA. 33+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	45
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
NO.	
AREAS CHECKED	
AREAS NOT CHECKED	
DATE	
BY	
NO.	
AREAS CHECKED	
AREAS NOT CHECKED	

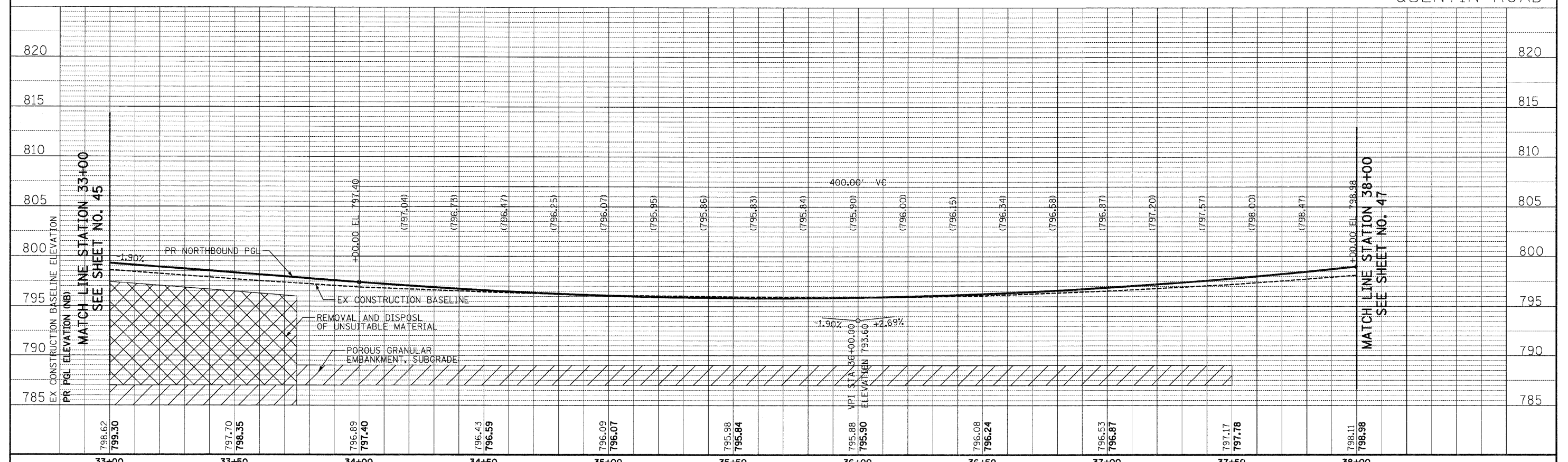
DATE	
BY	
NO.	
AREAS CHECKED	
AREAS NOT CHECKED	
DATE	
BY	
NO.	
AREAS CHECKED	
AREAS NOT CHECKED	



GENERAL NOTE:
 ALL DRIVEWAY RADII SHALL BE 15' UNLESS OTHERWISE NOTED. FOR ADDITIONAL DRIVEWAY DETAILS, SEE STANDARD DETAILS LC4100 AND LC4101.

(SEE STORMWATER MANAGEMENT PLAN)

QUENTIN ROAD



798.62 799.30	797.70 798.35	796.89 797.40	796.43 796.59	796.09 796.07	795.98 795.84	795.88 795.90	796.08 796.24	796.53 796.87	797.17 797.78	798.11 798.98
33+00	33+50	34+00	34+50	35+00	35+50	36+00	36+50	37+00	37+50	38+00

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



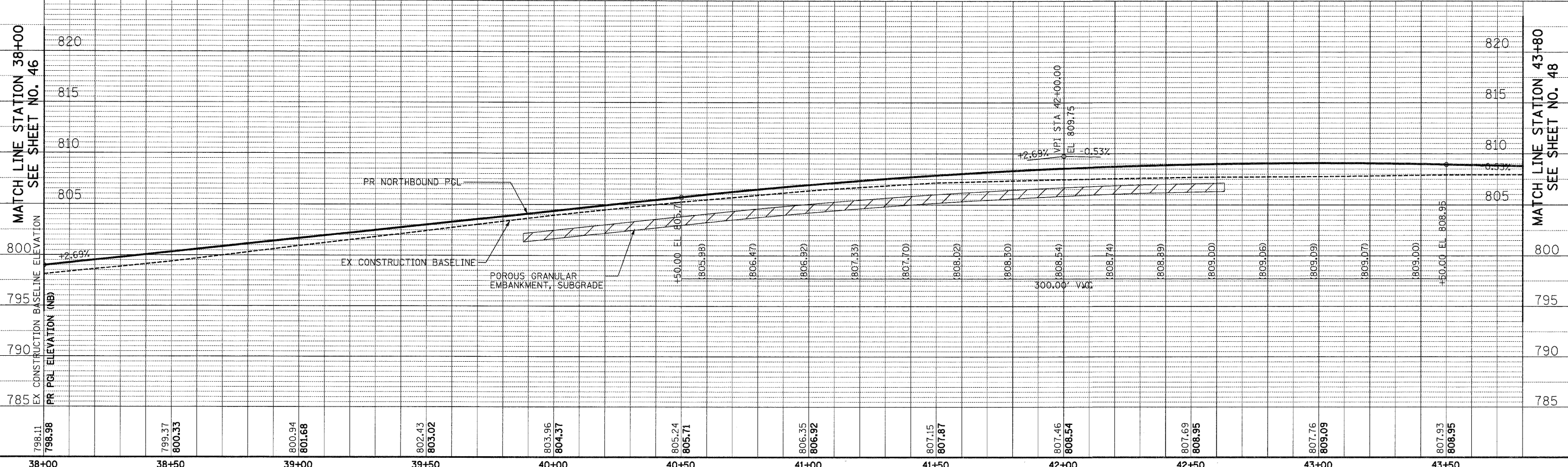
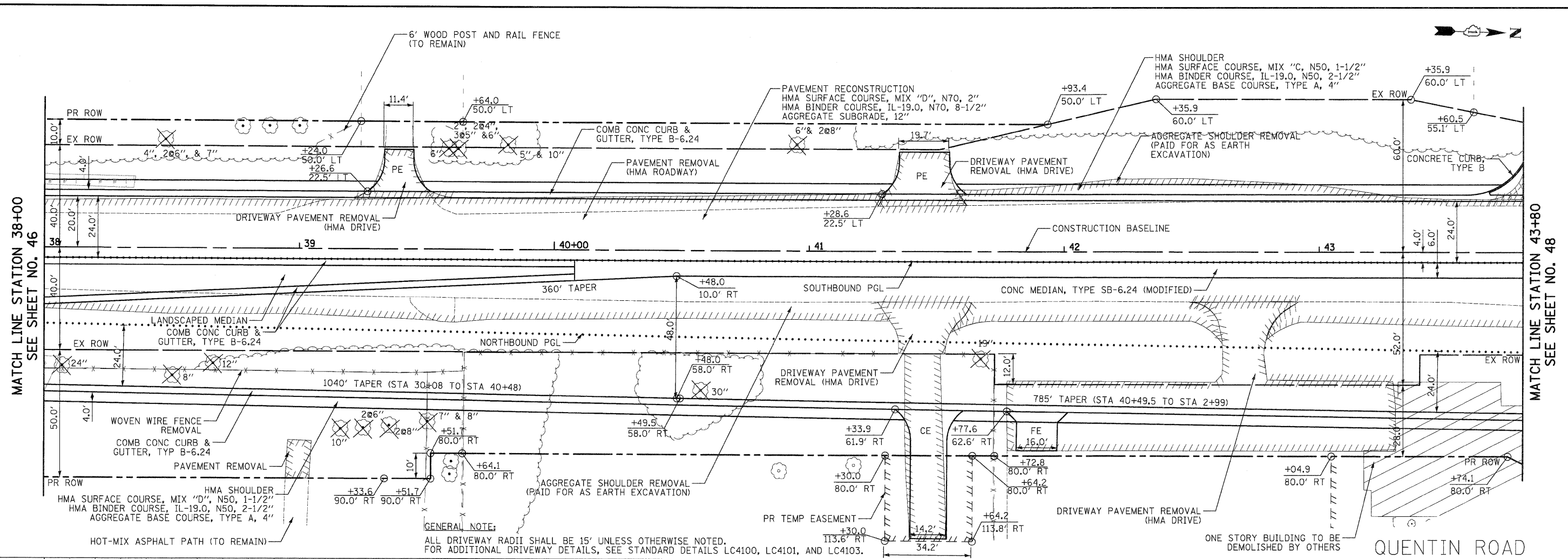
PLAN AND PROFILE

SHEET NO. 4 OF 13 SHEETS STA. 33+00 TO STA. 38+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	46
CONTRACT NO. 63649				
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.	



798.11 798.98	799.37 800.33	800.94 801.68	802.43 803.02	803.96 804.37	805.24 805.71	806.35 806.92	807.15 807.87	807.46 808.54	807.69 808.95	807.76 809.09	807.93 808.95
38+00	38+50	39+00	39+50	40+00	40+50	41+00	41+50	42+00	42+50	43+00	43+50

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

DESIGNED - JRR
 DRAWN - JRR
 CHECKED - RTM
 DATE - 10/24/2011

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

VERT. 0 5 10
 HORIZ. 20 40

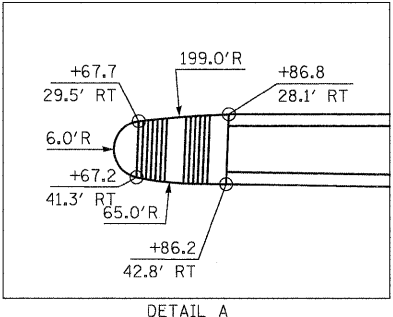
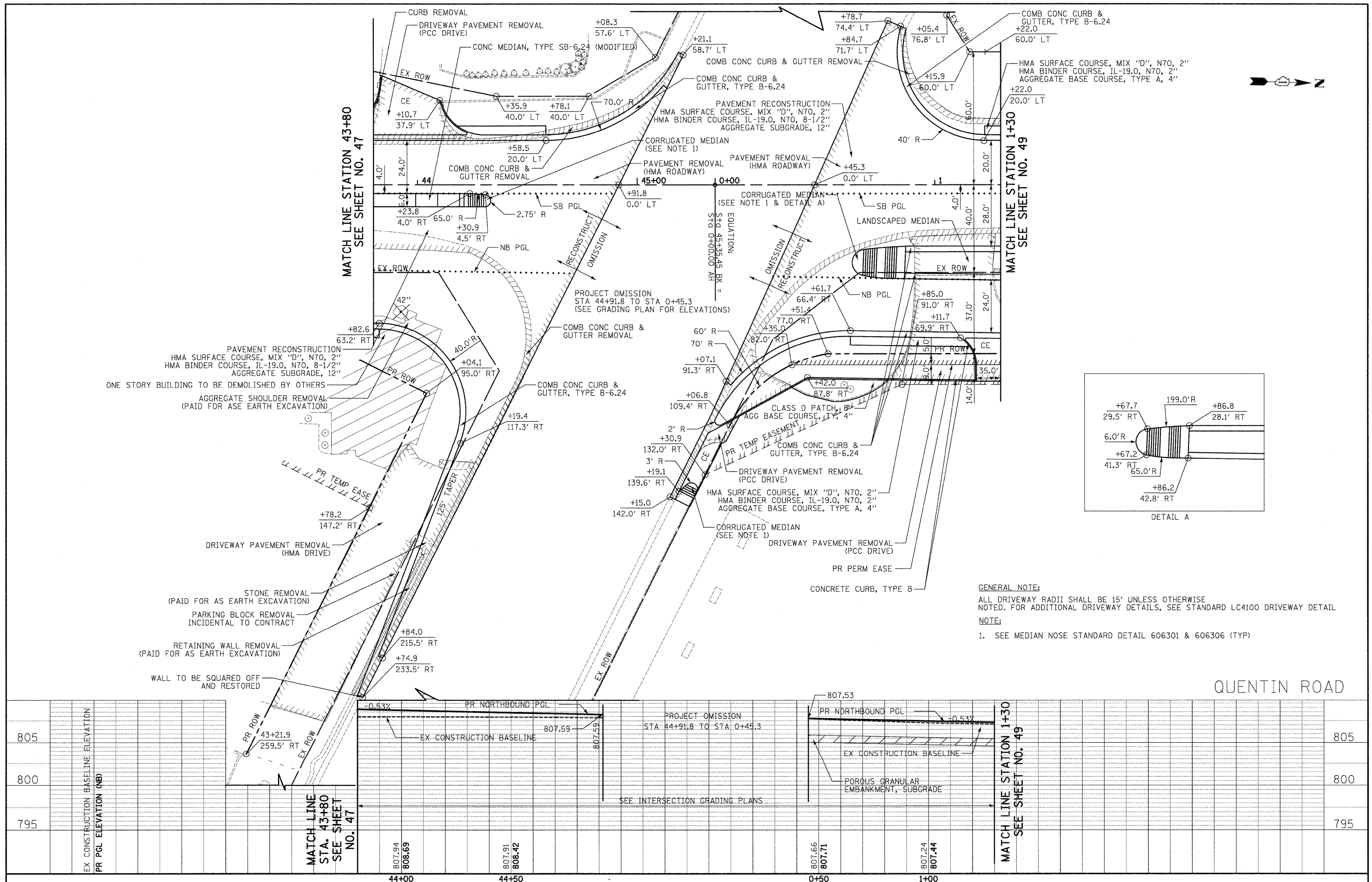
PLAN AND PROFILE

SHEET NO. 5 OF 13 SHEETS STA. 38+00 TO STA. 43+80

F.A.U. RTE. 364	SECTION 02-00051-08-WR	COUNTY LAKE	TOTAL SHEETS 188	SHEET NO. 47
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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

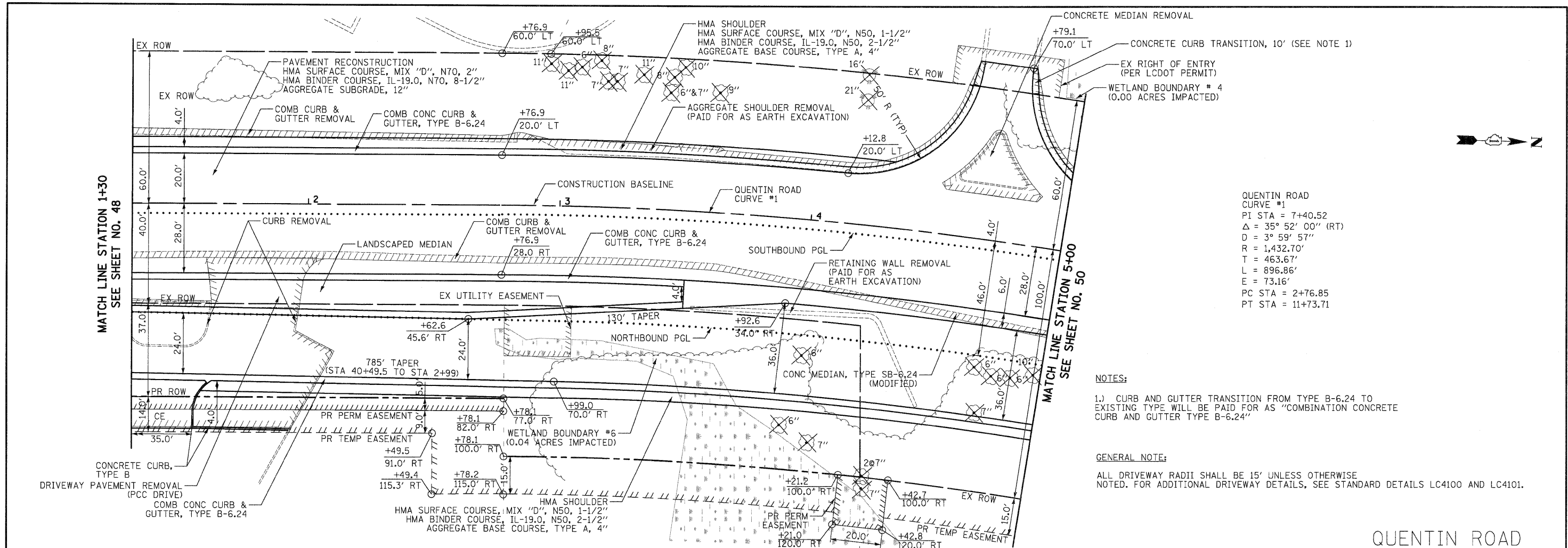


GENERAL NOTE:
 ALL DRIVEWAY RADII SHALL BE 15' UNLESS OTHERWISE NOTED. FOR ADDITIONAL DRIVEWAY DETAILS, SEE STANDARD LC4100 DRIVEWAY DETAIL
NOTE:
 1. SEE MEDIAN NOSE STANDARD DETAIL 606301 & 606306 (TYP)

805	PR NORTHBOUND PGL	807.53	PR NORTHBOUND PGL	805
800	EX CONSTRUCTION BASELINE	807.59	EX CONSTRUCTION BASELINE	800
795	PR PGL ELEVATION (NB)	807.59	POROUS GRANULAR EMBANKMENT, SUBGRADE	795
	PR NORTHBOUND PGL	807.53		

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



QUENTIN ROAD
CURVE #1
PI STA = 7+40.52
Δ = 35° 52' 00" (RT)
D = 3° 59' 57"
R = 1,432.70'
T = 463.67'
L = 896.86'
E = 73.16'
PC STA = 2+76.85
PT STA = 11+73.71

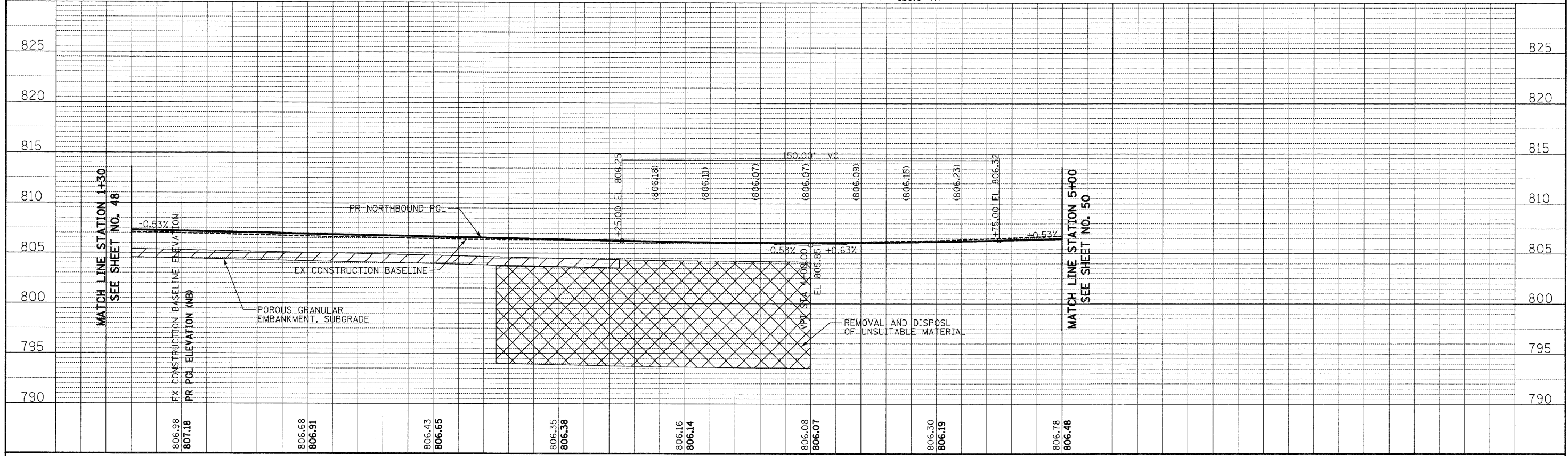
NOTES:

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"

GENERAL NOTE:

ALL DRIVEWAY RADII SHALL BE 15' UNLESS OTHERWISE NOTED. FOR ADDITIONAL DRIVEWAY DETAILS, SEE STANDARD DETAILS LC4100 AND LC4101.

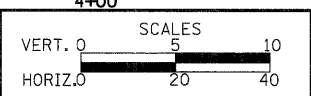
QUENTIN ROAD



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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



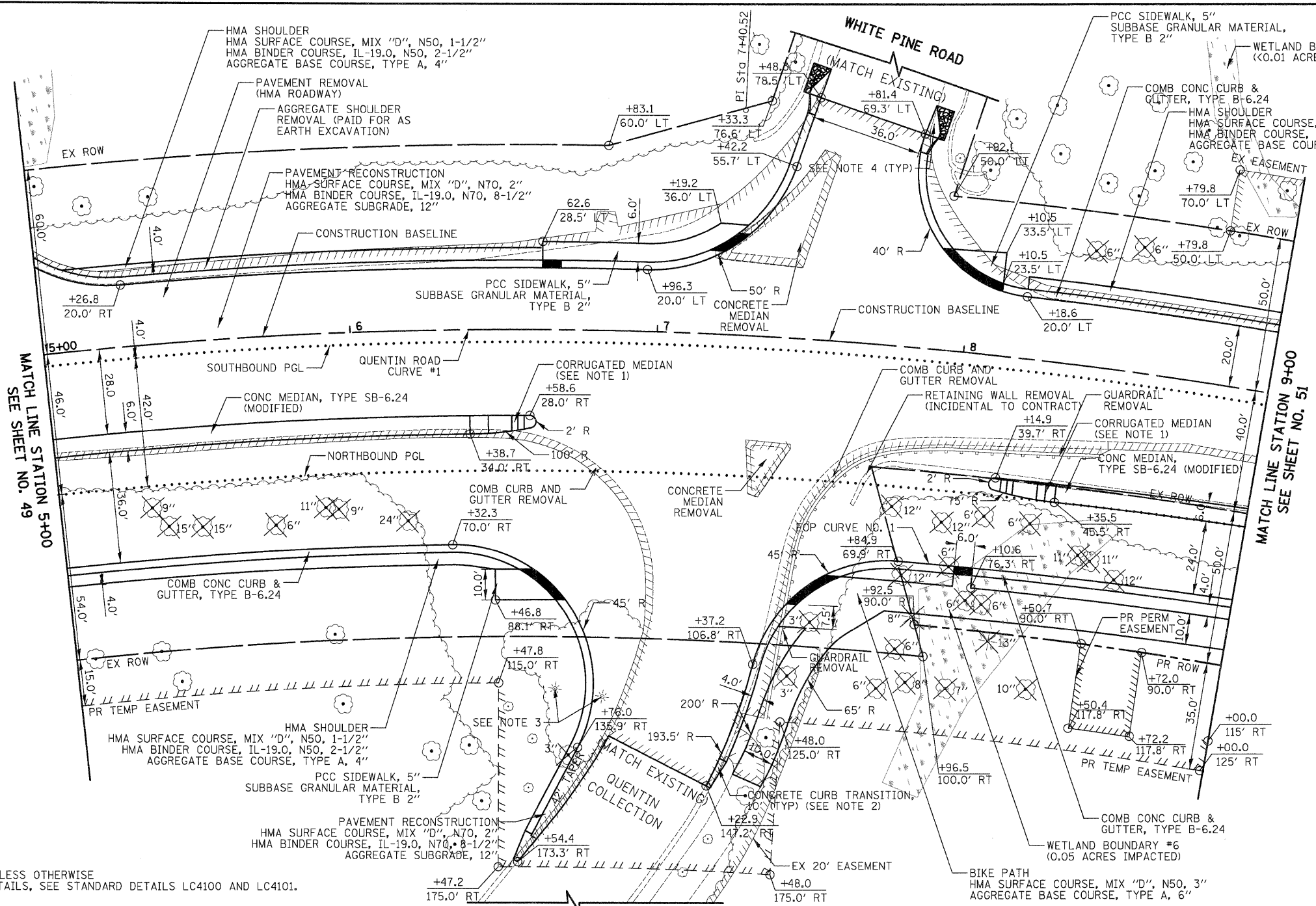
PLAN AND PROFILE

SHEET NO. 7 OF 13 SHEETS STA. 1+30 TO STA. 5+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	49
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
NO. AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
NO. AREAS CHECKED	



QUENTIN ROAD
 CURVE #1
 PI STA = 7+40.52
 $\Delta = 35^\circ 52' 00''$ (RT)
 D = 3' 59' 57"
 R = 1,432.70'
 T = 463.67'
 L = 896.86'
 E = 73.16'
 PC STA = 2+76.85
 PT STA = 11+73.71

EOP CURVE NO. 1
 $\Delta = 13^\circ 59' 53''$
 D = 3' 10' 53"
 R = 1,801.00'
 T = 221.10'
 L = 440.01'
 E = 13.52'

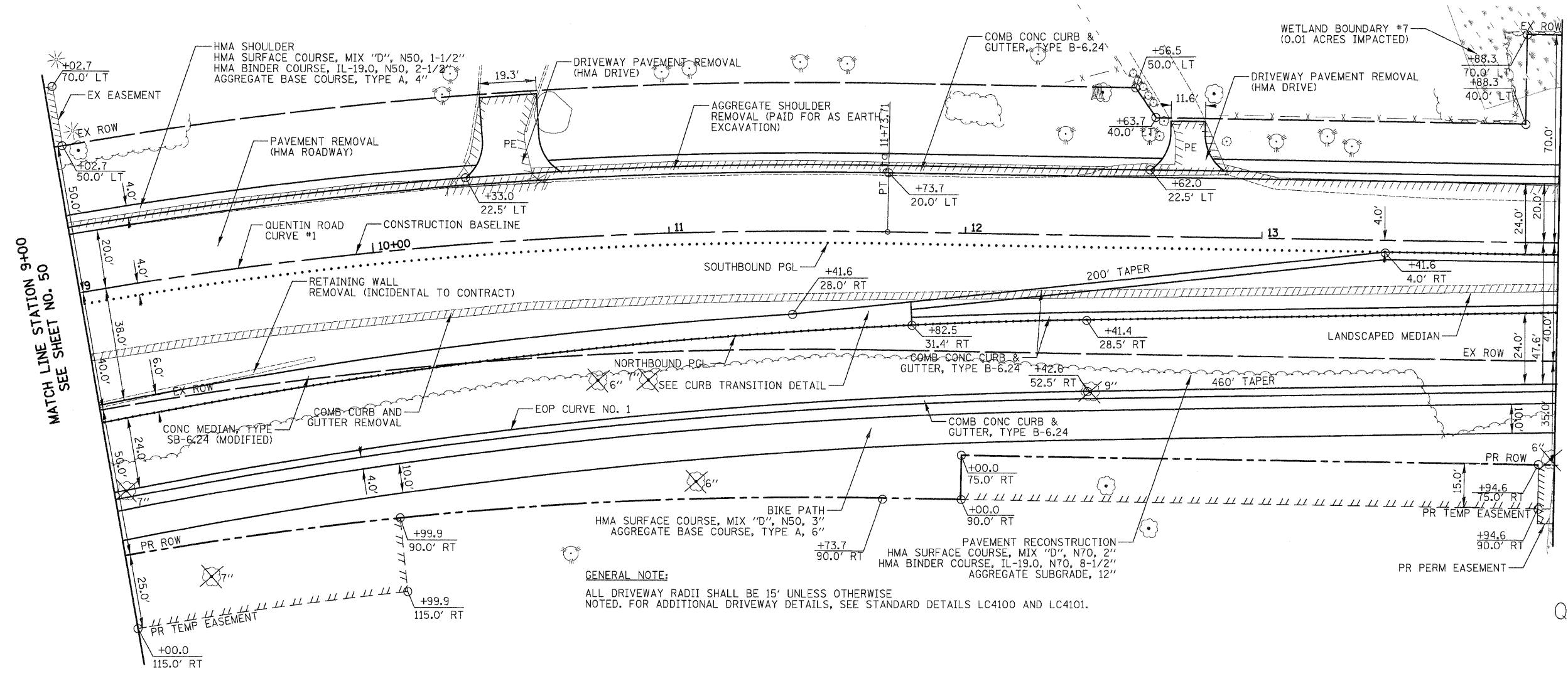
- NOTES:
- 1.) SEE MEDIAN NOSE STANDARD DETAIL 606301 & 606306 (TYP)
 - 2.) CURB AND GUTTER TRANSITION FROM TYPE B-6.24 TO EXISTING TYPE WILL BE PAID FOR AS "COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24."
 - 3.) EX WHITE PINES "QUENTIN COLLECTION" SIGN CONFLICTS WITH ROADWAY IMPROVEMENTS. SIGN & UTILITIES ARE TO BE RELOCATED BY OTHERS.
 - 4.) FOR CURB AND GUTTER TRANSITION SEE STANDARD DETAIL LC4801

GENERAL NOTE:
 ALL DRIVEWAY RADII SHALL BE 15' UNLESS OTHERWISE NOTED. FOR ADDITIONAL DRIVEWAY DETAILS, SEE STANDARD DETAILS LC4100 AND LC4101.

805	EX CONSTRUCTION BASELINE ELEVATION	805
800	PR PGL ELEVATION (NB)	800
795		795
790		790
806.78	806.48	806.79
807.18	807.18	807.18
807.54	807.10	807.42
807.93	807.42	807.73
808.27	807.73	808.04
808.63	808.04	808.36
809.00	808.36	808.67
809.25	808.67	809.98
809.66	809.98	

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



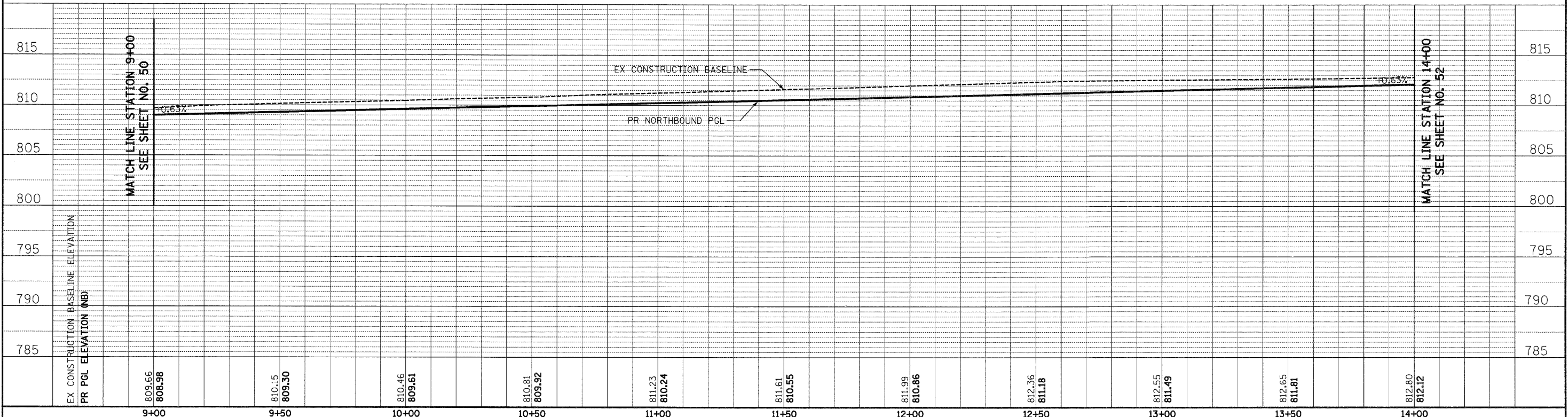
MATCH LINE STATION 14+00
SEE SHEET NO. 52

QUENTIN ROAD
CURVE #1
PI STA = 7+40.52
 $\Delta = 35^\circ 52' 00''$ (RT)
D = 3° 59' 57"
R = 1,432.70'
T = 463.67'
L = 896.86'
E = 73.16'
PC STA = 2+76.85
PT STA = 11+73.71

EOP CURVE NO. 1
 $\Delta = 13^\circ 59' 53''$
D = 3° 10' 53"
R = 1,801.00'
T = 221.10'
L = 440.01'
E = 13.52'

GENERAL NOTE:
ALL DRIVEWAY RADII SHALL BE 15' UNLESS OTHERWISE NOTED. FOR ADDITIONAL DRIVEWAY DETAILS, SEE STANDARD DETAILS LC4100 AND LC4101.

QUENTIN ROAD

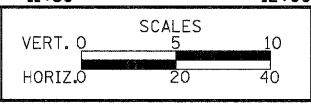


EX CONSTRUCTION BASELINE ELEVATION	PR PGL ELEVATION (NB)	809.66 809.98	810.15 809.30	810.46 809.61	810.81 809.92	811.23 810.24	811.61 810.55	811.99 810.86	812.36 811.18	812.55 811.49	812.65 811.81	812.80 812.12		
9+00	9+50	10+00	10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00				

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



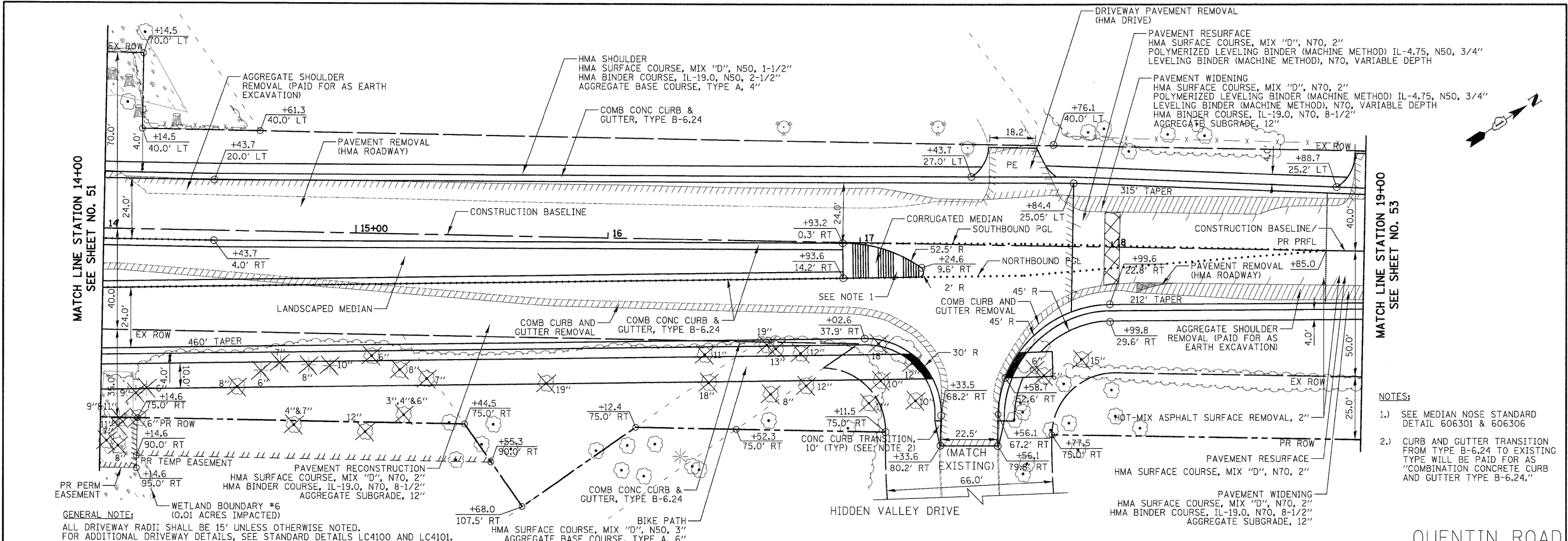
PLAN AND PROFILE

SHEET NO. 9 OF 13 SHEETS STA. 9+00 TO STA. 14+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	51
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

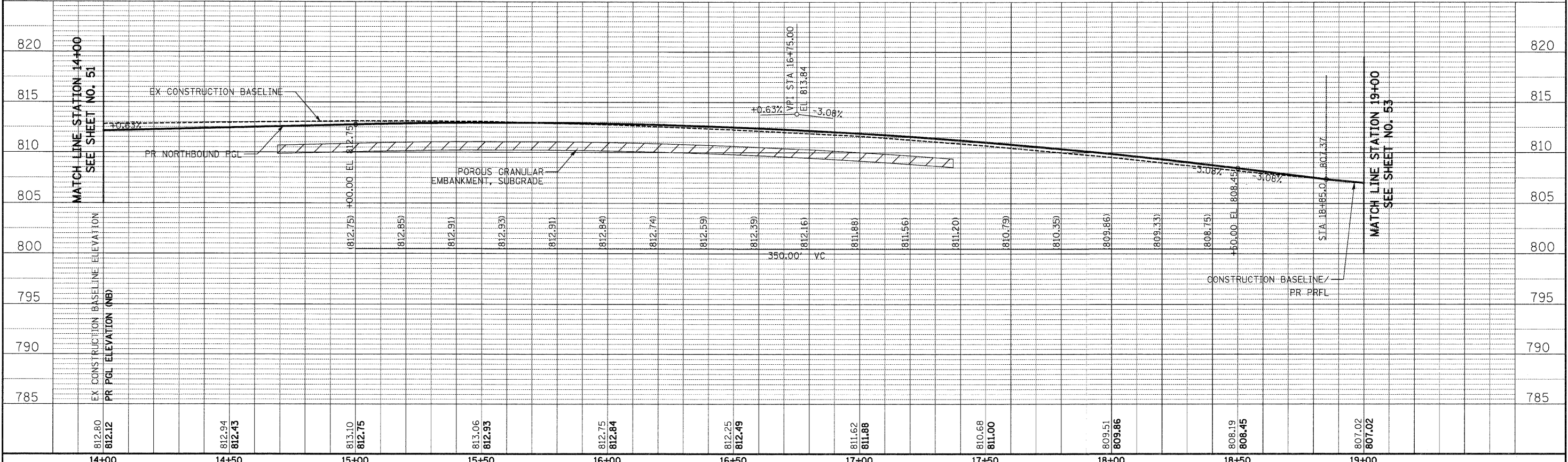
DATE	BY
NO.	NO.
NO.	NO.
NO.	NO.
NO.	NO.

DATE	BY
NO.	NO.
NO.	NO.
NO.	NO.
NO.	NO.



GENERAL NOTE:
 ALL DRIVEWAY RADII SHALL BE 15' UNLESS OTHERWISE NOTED.
 FOR ADDITIONAL DRIVEWAY DETAILS, SEE STANDARD DETAILS LC4100 AND LC4101.

- NOTES:
- SEE MEDIAN NOSE STANDARD DETAIL 606301 & 606306
 - 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."

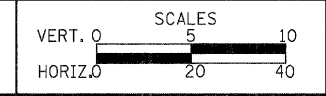


812.80	812.12	812.94	812.43	813.10	812.75	813.06	812.93	812.75	812.84	812.25	812.49	811.62	811.88	810.68	811.00	809.51	809.86	808.19	808.45	807.02	807.02
14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00											

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

DESIGNED - JRR
 DRAWN - JRR
 CHECKED - RTM
 DATE - 10/24/2011

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

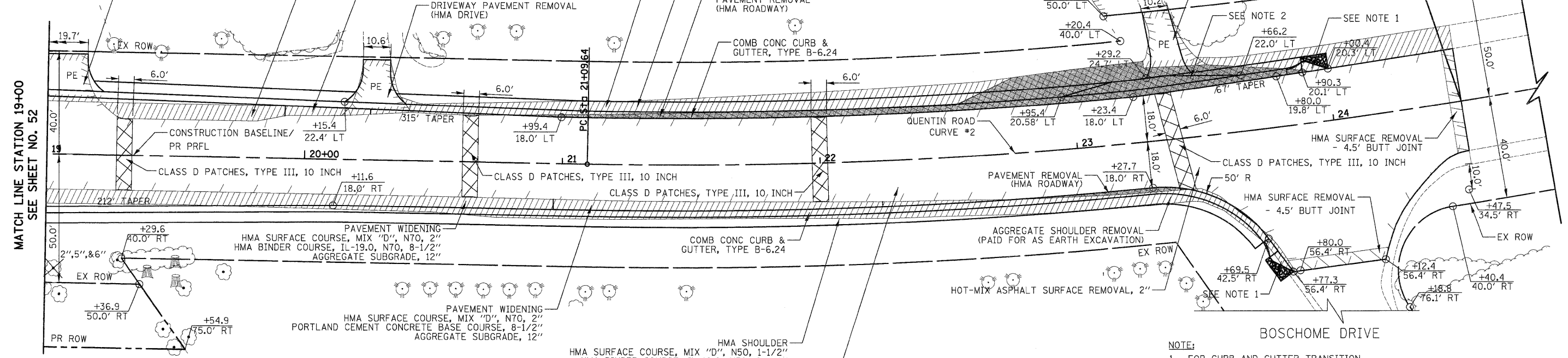
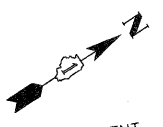


PLAN AND PROFILE
 SHEET NO. 10 OF 13 SHEETS
 STA. 14+00 TO STA. 19+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	52
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

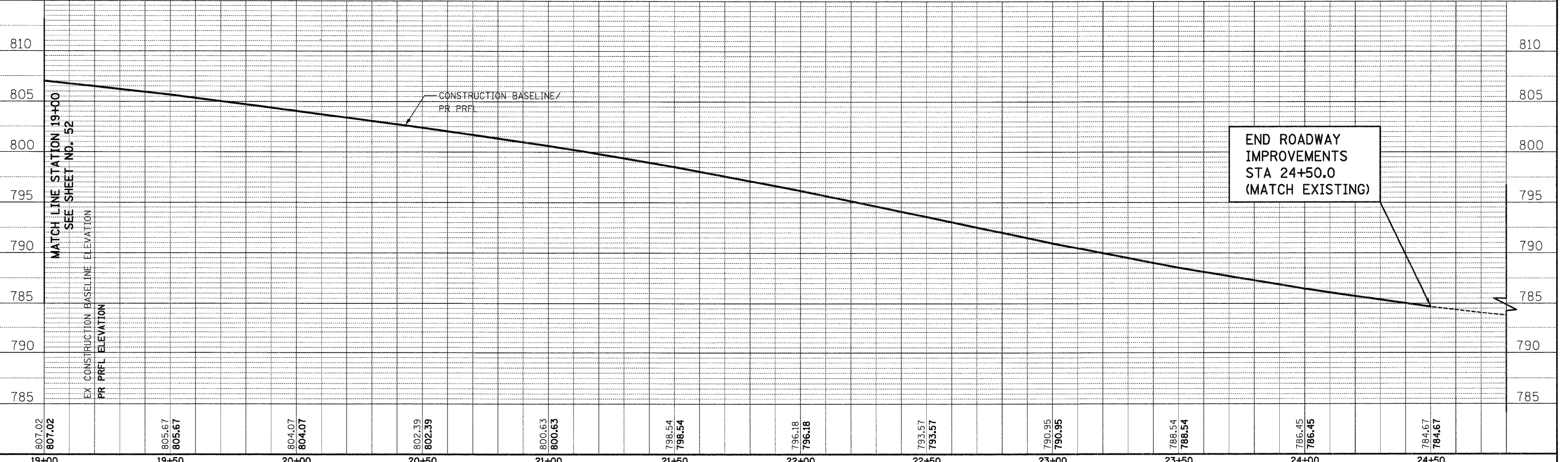
QUENTIN ROAD
 CURVE #2
 PI STA = 24+46.66
 $\Delta = 20^\circ 00' 46''$ (LT)
 $D = 2^\circ 59' 59''$
 $R = 1,910.10'$
 $T = 337.02'$
 $L = 667.18'$
 $E = 29.50'$
 PC STA = 21+09.64
 PT STA = 27+76.82

END ROADWAY
 IMPROVEMENTS
 STA 24+50.0
 (MATCH EXISTING)



GENERAL NOTE:
 ALL DRIVEWAY RADII SHALL BE 15' UNLESS OTHERWISE NOTED. FOR ADDITIONAL DRIVEWAY DETAILS, SEE STANDARD DETAILS LC4100 AND LC4101.

NOTE:
 1. FOR CURB AND GUTTER TRANSITION SEE STANDARD DETAIL LC4801
 2. FOR MAILBOX TURNOUT SEE STANDARD DETAIL LC4121

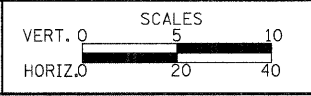


807.02 807.02	805.67 805.67	804.07 804.07	802.39 802.39	800.63 800.63	798.54 798.54	796.18 796.18	793.57 793.57	790.95 790.95	788.54 788.54	786.45 786.45	784.67 784.67	810	810
19+00	19+50	20+00	20+50	21+00	21+50	22+00	22+50	23+00	23+50	24+00	24+50		

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

DESIGNED - JRR
 DRAWN - JRR
 CHECKED - RTM
 DATE - 10/24/2011

REVISED -
 REVISED -
 REVISED -
 REVISED -



PLAN AND PROFILE
 SHEET NO. 11 OF 13 SHEETS
 STA. 19+00 TO STA. 23+45

F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO.
 364 02-00051-08-WR LAKE 188 53
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
CONTRACT NO. 63649

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

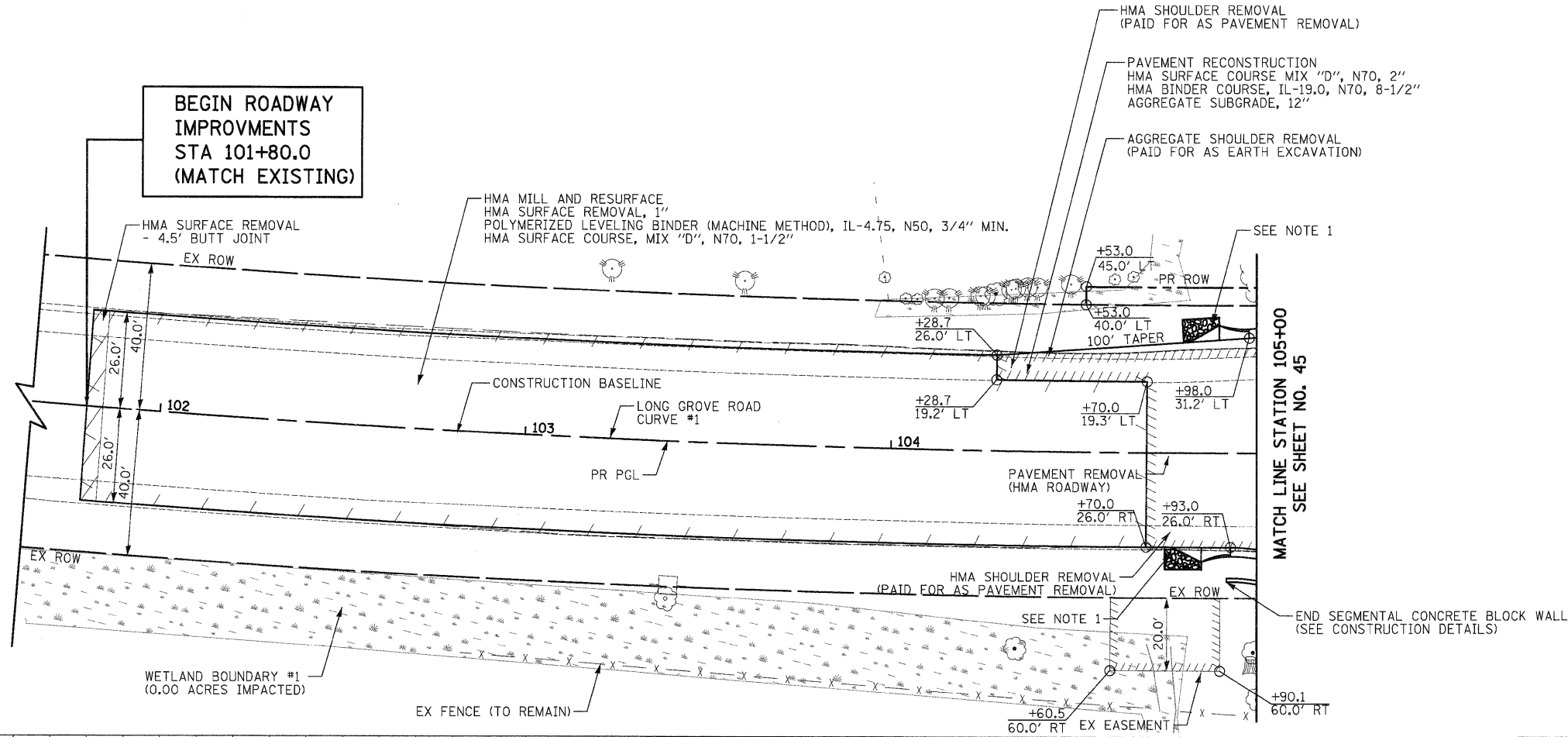
DATE _____
 BY _____
 ORIGINAL SURVEY _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____



DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

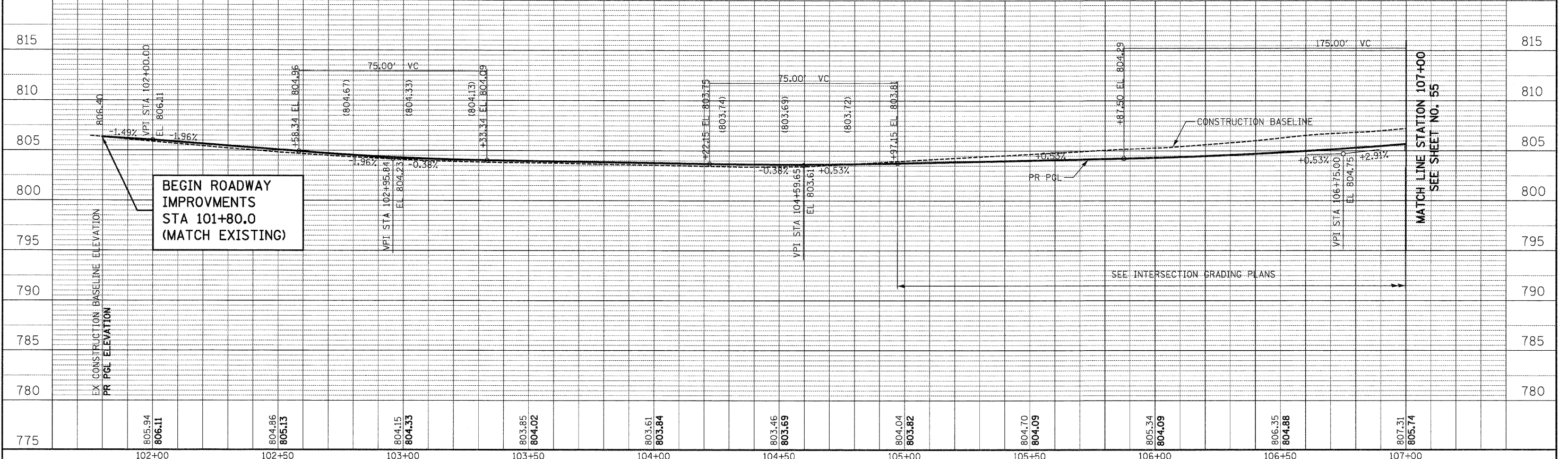
**BEGIN ROADWAY IMPROVEMENTS
STA 101+80.0
(MATCH EXISTING)**



LONG GROVE ROAD
CURVE #1
PI STA = 104+50.84
 $\Delta = 10^{\circ} 44' 36''$ (LT)
D = 1^{\circ} 24' 00''
R = 4,092.66'
T = 384.83'
L = 767.41'
E = 18.05'
PC STA = 100+66.01
PT STA = 108+33.42

NOTE:
1. FOR CURB AND GUTTER TRANSITION
SEE STANDARD DETAIL LC4801

LONG GROVE ROAD

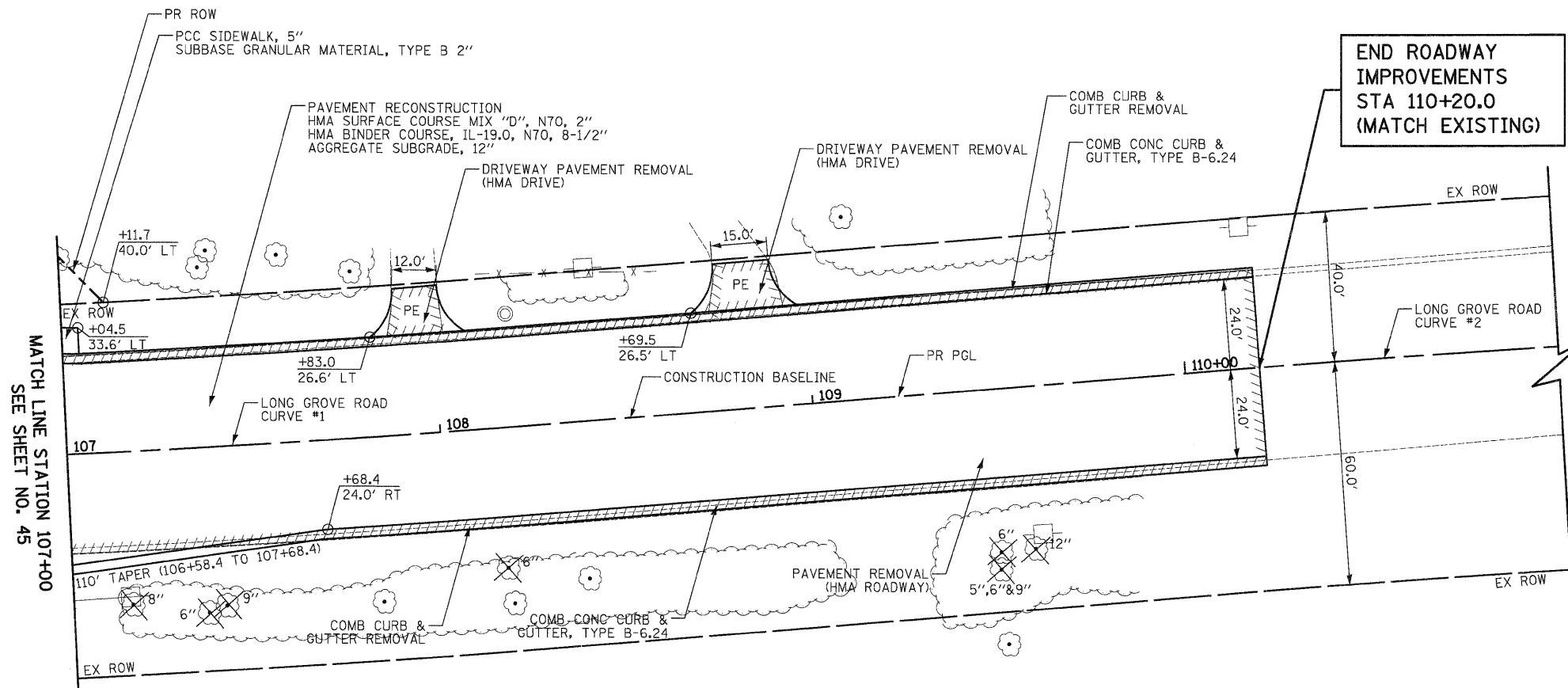


**BEGIN ROADWAY IMPROVEMENTS
STA 101+80.0
(MATCH EXISTING)**

	450 E Devon Ave, Suite 300 Itasca, Illinois 60143 Tel: 630.773.3900 Fax: 630.773.3975 www.civiltechinc.com	DESIGNED - JRR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VERT. 0 5 10 HORIZ. 0 20 40	PLAN AND PROFILE	F.A.U. RTE. 364	SECTION 02-00051-08-WR	COUNTY LAKE	TOTAL SHEETS 188	SHEET NO. 54
		DRAWN - JRR	REVISED -				CONTRACT NO. 63649	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT		
		CHECKED - RTM	REVISED -			SHEET NO. 12 OF 13 SHEETS		STA. 101+80 TO STA. 107+00			
		DATE - 10/24/2011	REVISED -								

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



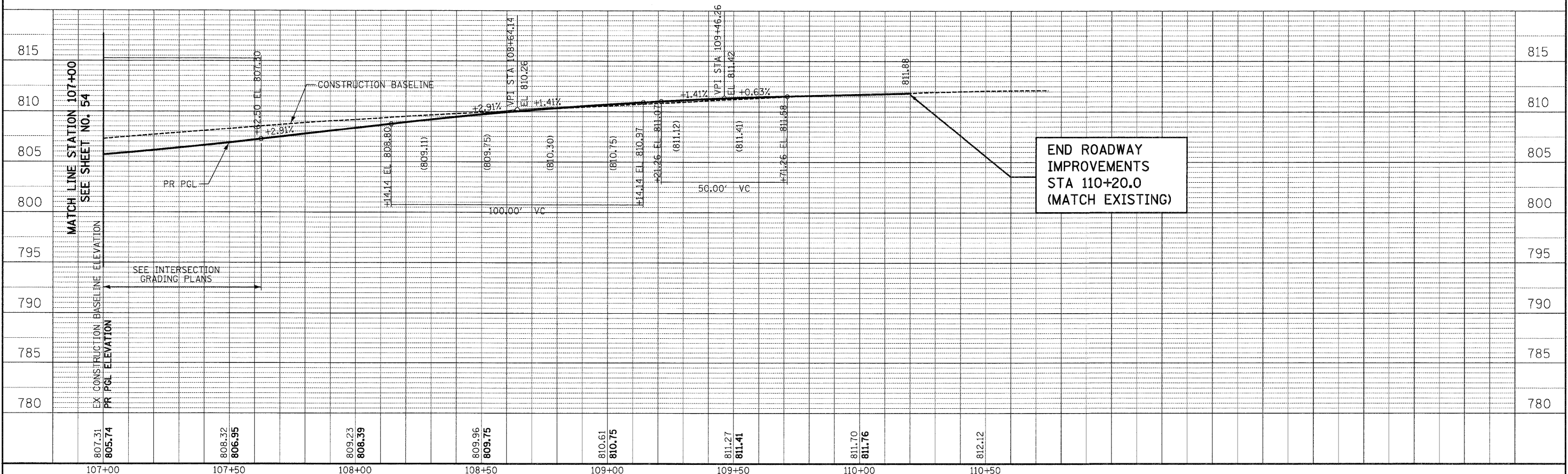
LONG GROVE ROAD
 CURVE #1
 PI STA = 104+50.84
 $\Delta = 10^\circ 44' 36''$ (LT)
 $D = 1^\circ 24' 00''$
 $R = 4,092.66'$
 $T = 384.83'$
 $L = 767.41'$
 $E = 18.05'$
 PC STA = 104+50.84
 PT STA = 108+33.42

LONG GROVE ROAD
 CURVE #2
 PI STA = 113+66.65
 $\Delta = 10^\circ 5' 51''$ (RT)
 $D = 1^\circ 24' 00''$
 $R = 4,092.66'$
 $T = 361.57'$
 $L = 721.27'$
 $E = 15.94'$
 PC STA = 110+05.08
 PT STA = 117+26.35



GENERAL NOTE:
 ALL DRIVEWAY RADII SHALL BE 15' UNLESS OTHERWISE NOTED.
 FOR ADDITIONAL DRIVEWAY DETAILS, SEE STANDARD DETAILS LC4100 AND LC4101.

LONG GROVE ROAD



450 E Devon Ave, Suite 300
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED - JRR
 DRAWN - JRR
 CHECKED - RTM
 DATE - 10/24/2011

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

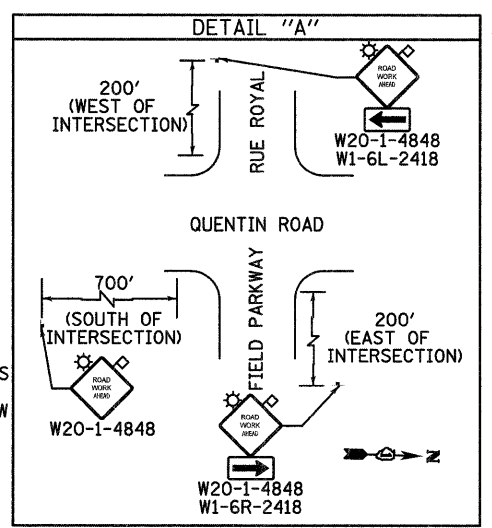
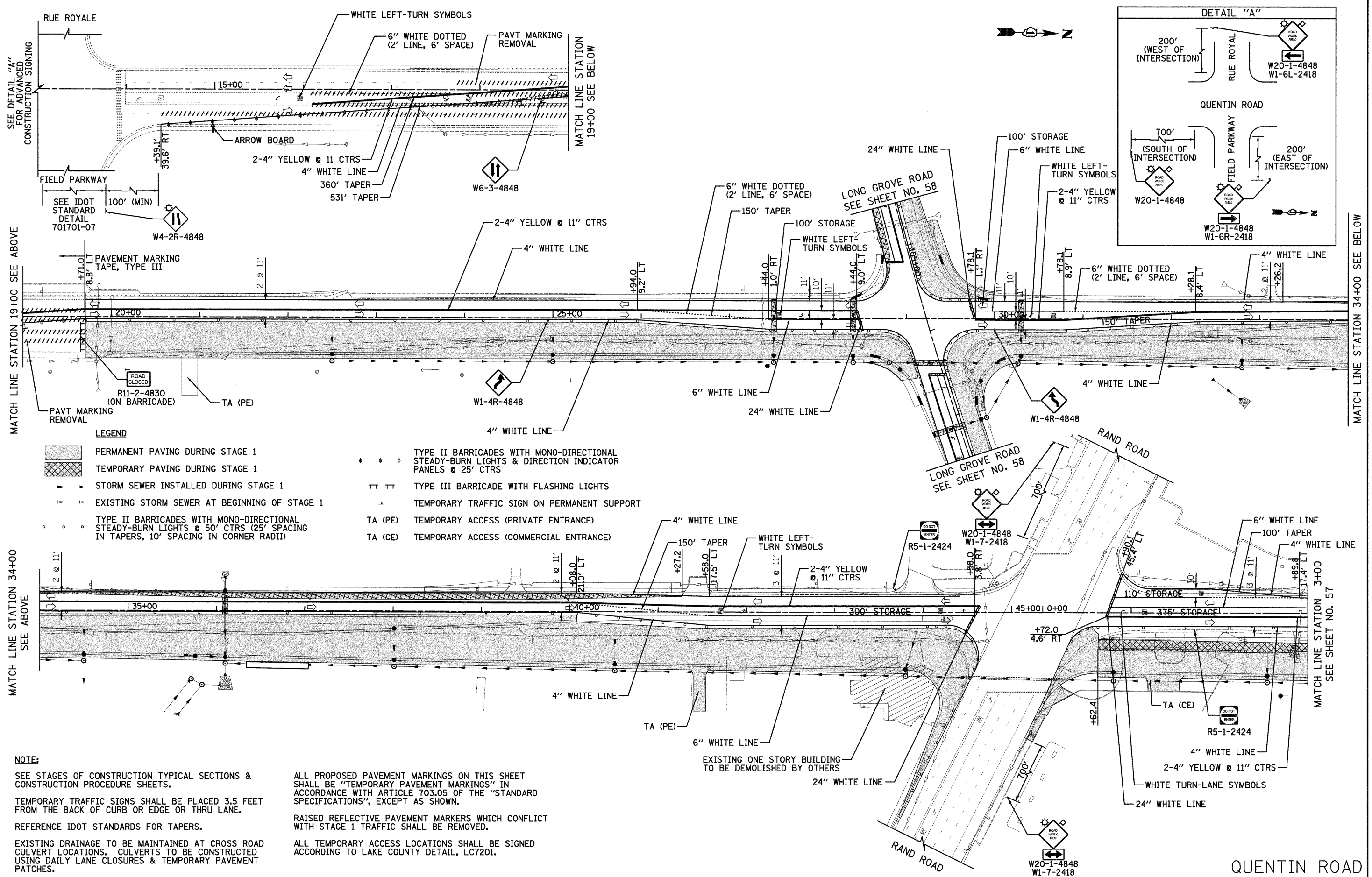
VERT. 0 5 10
 HORIZ. 0 20 40

PLAN AND PROFILE
 SHEET NO. 13 OF 13 SHEETS STA. 107+00 TO STA. 110+20

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	55
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
NO.	
ORIGINAL SURVEY	
PIOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
PIOTTED	
NOTE BOOK	
AREAS CHECKED	



- LEGEND**
- PERMANENT PAVING DURING STAGE 1
 - TEMPORARY PAVING DURING STAGE 1
 - STORM SEWER INSTALLED DURING STAGE 1
 - EXISTING STORM SEWER AT BEGINNING OF STAGE 1
 - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
 - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 25' CTRS
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
 - TA (PE) TEMPORARY ACCESS (PRIVATE ENTRANCE)
 - TA (CE) TEMPORARY ACCESS (COMMERCIAL ENTRANCE)

NOTE:

SEE STAGES OF CONSTRUCTION TYPICAL SECTIONS & CONSTRUCTION PROCEDURE SHEETS.

TEMPORARY TRAFFIC SIGNS SHALL BE PLACED 3.5 FEET FROM THE BACK OF CURB OR EDGE OR THRU LANE.

REFERENCE IDOT STANDARDS FOR TAPERS.

EXISTING DRAINAGE TO BE MAINTAINED AT CROSS ROAD CULVERT LOCATIONS. CULVERTS TO BE CONSTRUCTED USING DAILY LANE CLOSURES & TEMPORARY PAVEMENT PATCHES.

ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.05 OF THE "STANDARD SPECIFICATIONS", EXCEPT AS SHOWN.

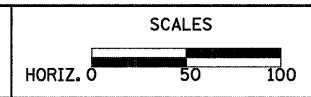
RAISED REFLECTIVE PAVEMENT MARKERS WHICH CONFLICT WITH STAGE 1 TRAFFIC SHALL BE REMOVED.

ALL TEMPORARY ACCESS LOCATIONS SHALL BE SIGNED ACCORDING TO LAKE COUNTY DETAIL, LC7201.

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STAGES OF CONSTRUCTION STAGE I

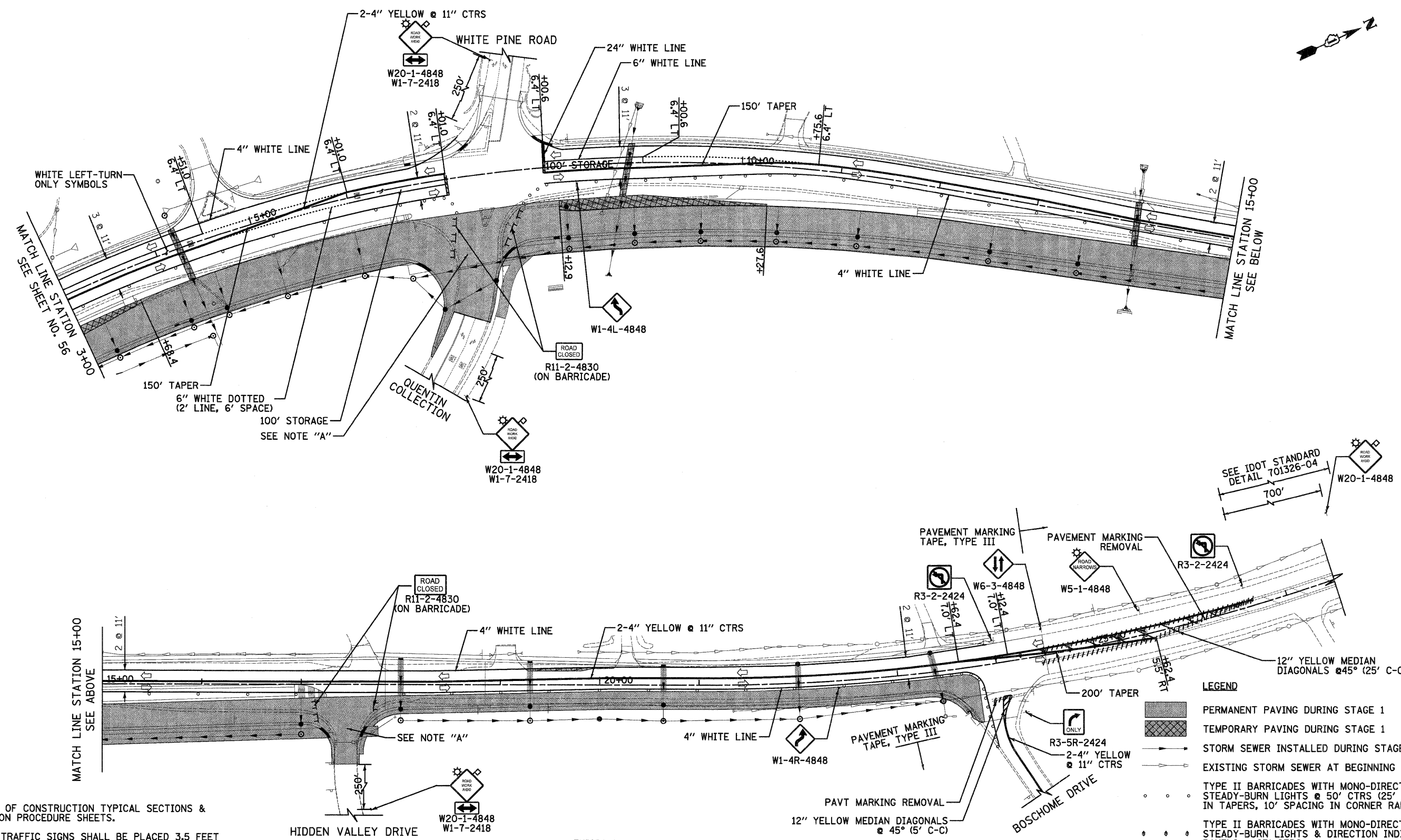
SHEET NO. 1 OF 3 SHEETS

F.A.U. R.T.E. 364	SECTION 02-00051-08-WR	COUNTY LAKE	TOTAL SHEETS 188	SHEET NO. 56
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

QUENTIN ROAD

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



NOTE:
 SEE STAGES OF CONSTRUCTION TYPICAL SECTIONS & CONSTRUCTION PROCEDURE SHEETS.
 TEMPORARY TRAFFIC SIGNS SHALL BE PLACED 3.5 FEET FROM THE BACK OF CURB OR EDGE OR THRU LANE.
 ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.05 OF THE "STANDARD SPECIFICATIONS", EXCEPT AS SHOWN.
 REFERENCE IDOT STANDARDS FOR TAPERS.
 RAISED REFLECTIVE PAVEMENT MARKERS WHICH CONFLICT WITH STAGE 1 TRAFFIC SHALL BE REMOVED.

ALL TEMPORARY ACCESS LOCATIONS SHALL BE SIGNED ACCORDING TO LAKE COUNTY DETAIL, LC7201.
 LEFT TURNS AT BOSCHOME DRIVE SHALL BE RESTRICTED. AT LEAST ONE WEEK PRIOR TO CLOSING, TEMPORARY INFORMATION SIGNS SHALL BE ERECTED AT LOCATIONS DESIGNATED BY THE ENGINEER.

EXISTING DRAINAGE TO BE MAINTAINED AT CROSS ROAD CULVERT LOCATIONS. CULVERTS TO BE CONSTRUCTED USING DAILY LANE CLOSURES & TEMPORARY PAVEMENT PATCHES.
NOTE "A":
 CONSTRUCT INTERSECTION IN TWO STAGES UNDER TRAFFIC, USING FLAGGERS. CONSTRUCT EAST HALF UP TO SUB-BASE AND PLACE TRAFFIC ON SUB-BASE IN ORDER TO COMPLETE WEST HALF, MAINTAIN TWO-WAY TRAFFIC DURING NON-WORKING HOURS.

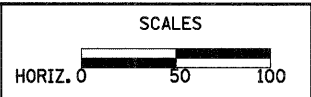
LEGEND

	PERMANENT PAVING DURING STAGE 1
	TEMPORARY PAVING DURING STAGE 1
	STORM SEWER INSTALLED DURING STAGE 1
	EXISTING STORM SEWER AT BEGINNING OF STAGE 1
	TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
	TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 25' CTRS
	TYPE III BARRICADE WITH FLASHING LIGHTS
	TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
TA (PE)	TEMPORARY ACCESS (PRIVATE ENTRANCE)
TA (CE)	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION











STAGES OF CONSTRUCTION STAGE I

SHEET NO. 2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	57
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

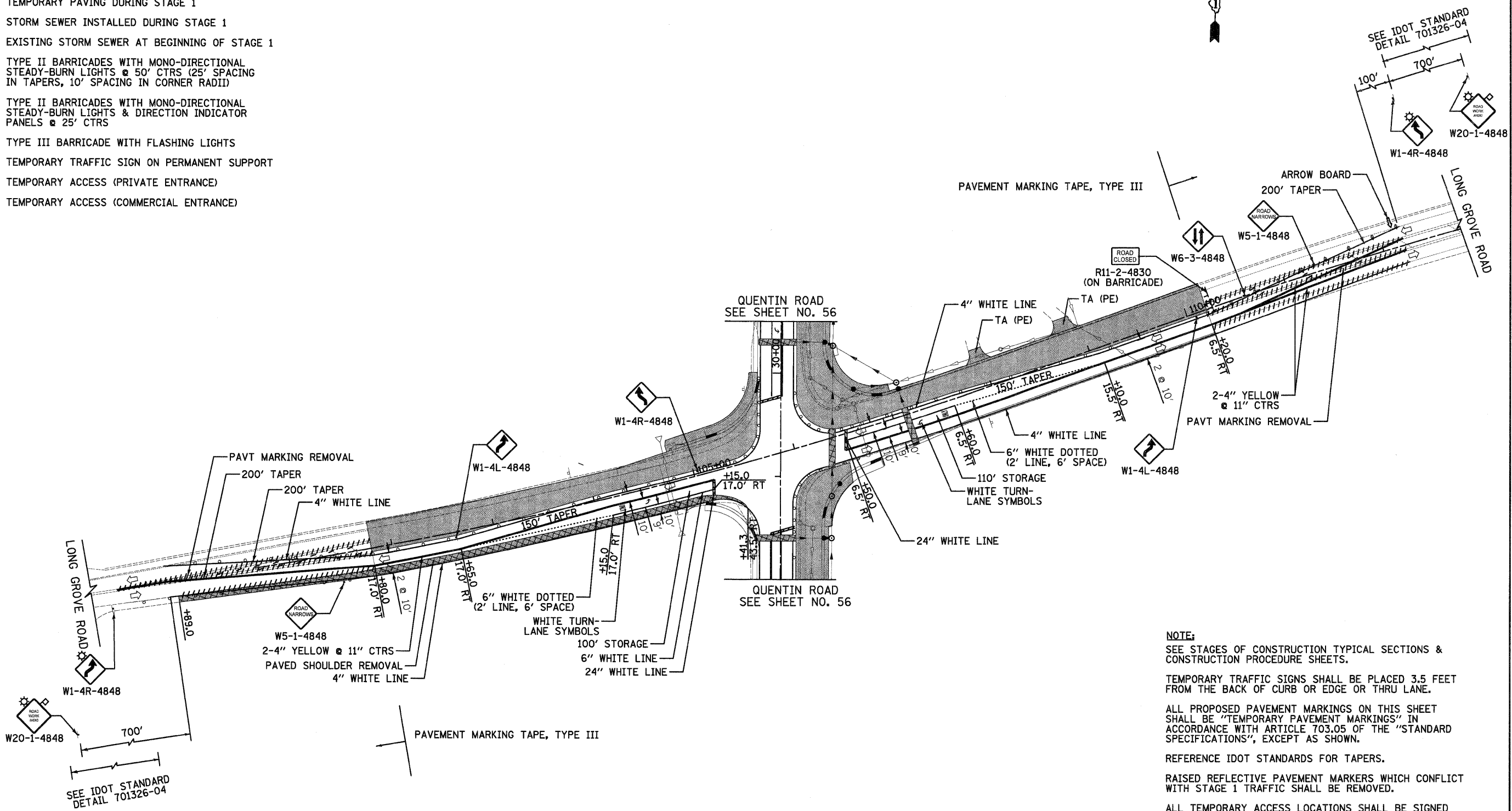
QUENTIN ROAD

LEGEND

-  PERMANENT PAVING DURING STAGE 1
-  TEMPORARY PAVING DURING STAGE 1
-  STORM SEWER INSTALLED DURING STAGE 1
-  EXISTING STORM SEWER AT BEGINNING OF STAGE 1
-  TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
-  TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 25' CTRS
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- TA (PE) TEMPORARY ACCESS (PRIVATE ENTRANCE)
- TA (CE) TEMPORARY ACCESS (COMMERCIAL ENTRANCE)

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



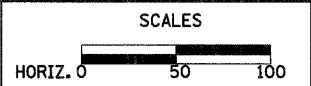
NOTE:
 SEE STAGES OF CONSTRUCTION TYPICAL SECTIONS & CONSTRUCTION PROCEDURE SHEETS.
 TEMPORARY TRAFFIC SIGNS SHALL BE PLACED 3.5 FEET FROM THE BACK OF CURB OR EDGE OR THRU LANE.
 ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.05 OF THE "STANDARD SPECIFICATIONS", EXCEPT AS SHOWN.
 REFERENCE IDOT STANDARDS FOR TAPERS.
 RAISED REFLECTIVE PAVEMENT MARKERS WHICH CONFLICT WITH STAGE 1 TRAFFIC SHALL BE REMOVED.
 ALL TEMPORARY ACCESS LOCATIONS SHALL BE SIGNED ACCORDING TO LAKE COUNTY DETAIL, LC7201.

LONG GROVE ROAD

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



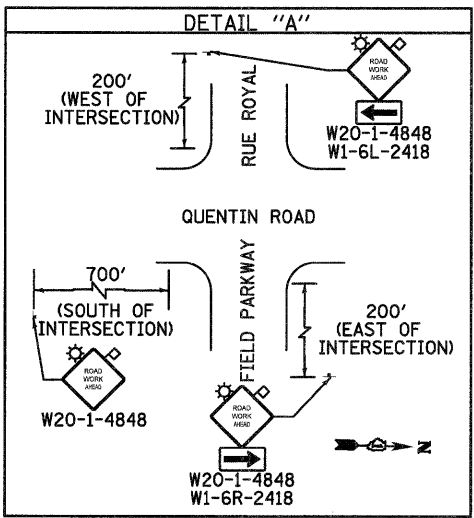
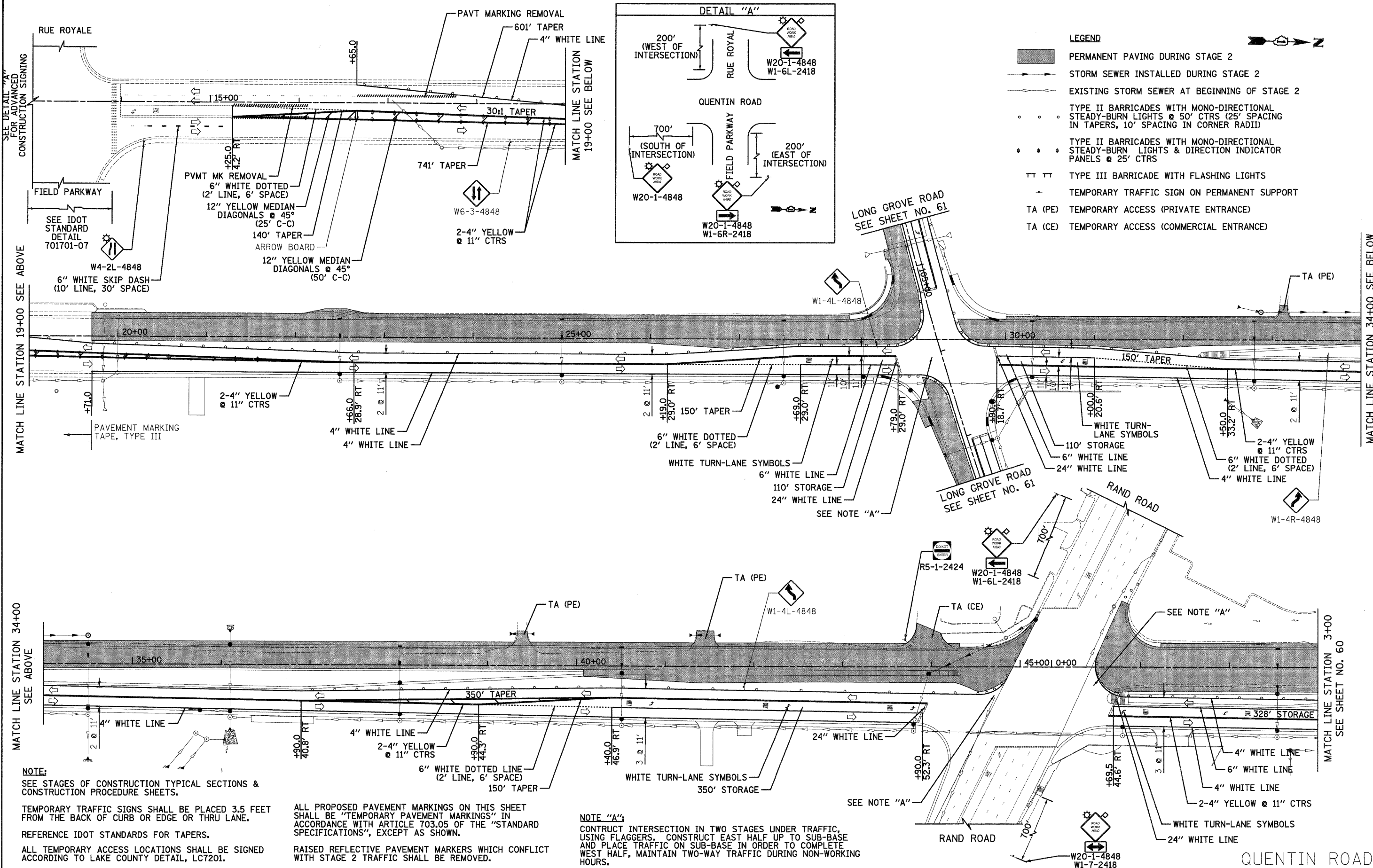
STAGES OF CONSTRUCTION STAGE I

SHEET NO. 3 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	58
				CONTRACT NO. 63649
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



- LEGEND**
- PERMANENT PAVING DURING STAGE 2
 - STORM SEWER INSTALLED DURING STAGE 2
 - EXISTING STORM SEWER AT BEGINNING OF STAGE 2
 - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
 - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 25' CTRS
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
 - TA (PE) TEMPORARY ACCESS (PRIVATE ENTRANCE)
 - TA (CE) TEMPORARY ACCESS (COMMERCIAL ENTRANCE)

NOTE:
SEE STAGES OF CONSTRUCTION TYPICAL SECTIONS & CONSTRUCTION PROCEDURE SHEETS.

TEMPORARY TRAFFIC SIGNS SHALL BE PLACED 3.5 FEET FROM THE BACK OF CURB OR EDGE OR THRU LANE.

REFERENCE IDOT STANDARDS FOR TAPERS.

ALL TEMPORARY ACCESS LOCATIONS SHALL BE SIGNED ACCORDING TO LAKE COUNTY DETAIL, LC7201.

ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.05 OF THE "STANDARD SPECIFICATIONS", EXCEPT AS SHOWN.

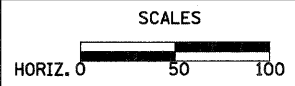
RAISED REFLECTIVE PAVEMENT MARKERS WHICH CONFLICT WITH STAGE 2 TRAFFIC SHALL BE REMOVED.

NOTE "A":
CONSTRUCT INTERSECTION IN TWO STAGES UNDER TRAFFIC, USING FLAGGERS. CONSTRUCT EAST HALF UP TO SUB-BASE AND PLACE TRAFFIC ON SUB-BASE IN ORDER TO COMPLETE WEST HALF, MAINTAIN TWO-WAY TRAFFIC DURING NON-WORKING HOURS.

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**










STAGES OF CONSTRUCTION STAGE II

SHEET NO. 1 OF 3 SHEETS

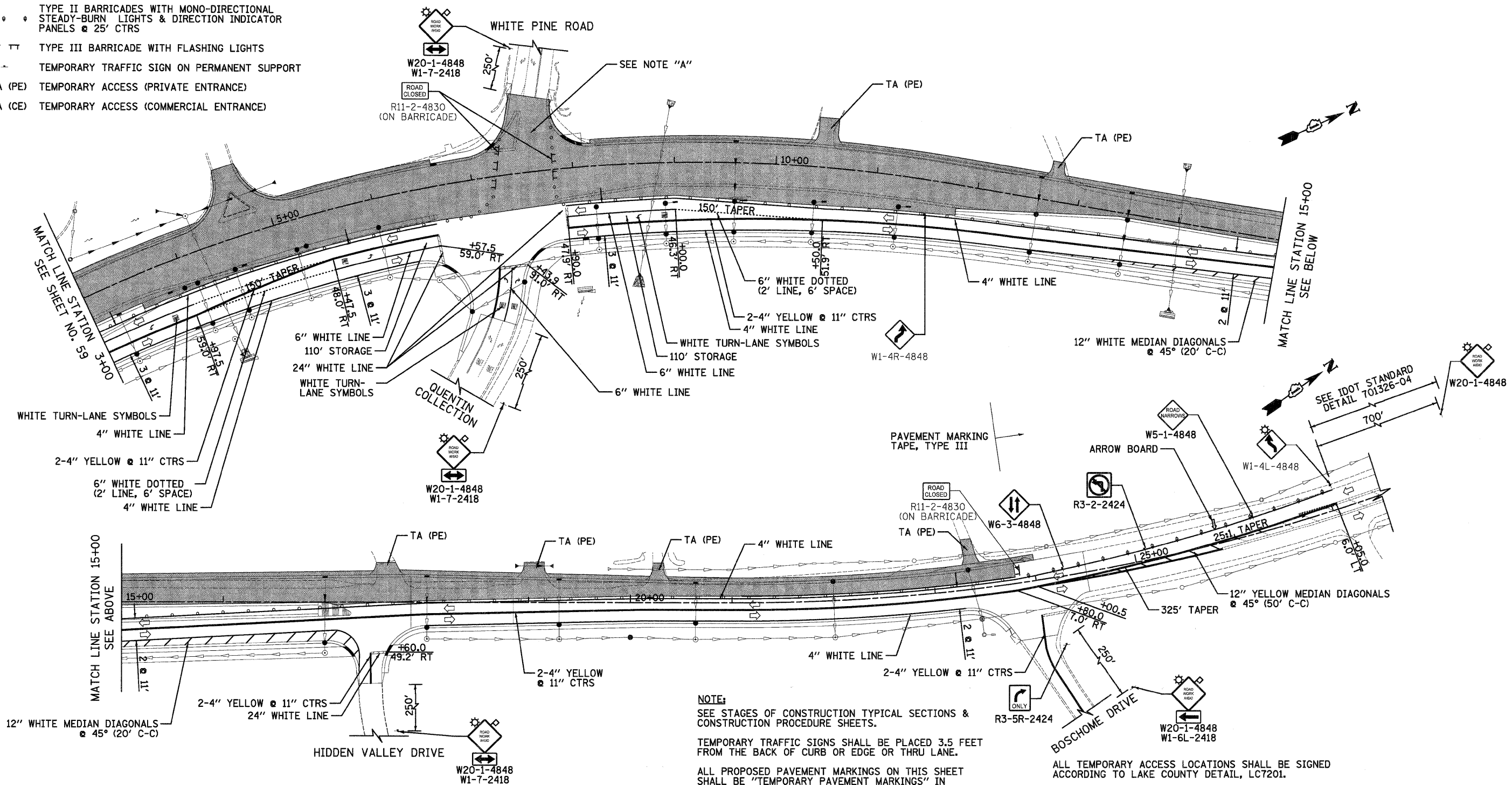
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	59
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

-  PERMANENT PAVING DURING STAGE 2
-  STORM SEWER INSTALLED DURING STAGE 2
-  EXISTING STORM SEWER AT BEGINNING OF STAGE 2
-  TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
-  TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 25' CTRS
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- TA (PE) TEMPORARY ACCESS (PRIVATE ENTRANCE)
- TA (CE) TEMPORARY ACCESS (COMMERCIAL ENTRANCE)

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

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



NOTE:

SEE STAGES OF CONSTRUCTION TYPICAL SECTIONS & CONSTRUCTION PROCEDURE SHEETS.

TEMPORARY TRAFFIC SIGNS SHALL BE PLACED 3.5 FEET FROM THE BACK OF CURB OR EDGE OR THRU LANE.

ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.05 OF THE "STANDARD SPECIFICATIONS", EXCEPT AS SHOWN.

REFERENCE IDOT STANDARDS FOR TAPERS.

RAISED REFLECTIVE PAVEMENT MARKERS WHICH CONFLICT WITH STAGE 2 TRAFFIC SHALL BE REMOVED.

NOTE "A":

CONSTRUCT INTERSECTION IN TWO STAGES UNDER TRAFFIC. USING FLAGGERS. CONSTRUCT EAST HALF UP TO SUB-BASE AND PLACE TRAFFIC ON SUB-BASE IN ORDER TO COMPLETE WEST HALF, MAINTAIN TWO-WAY TRAFFIC DURING NON-WORKING HOURS.

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALES

HORIZ. 0 50 100

STAGES OF CONSTRUCTION STAGE II

SHEET NO. 2 OF 3 SHEETS

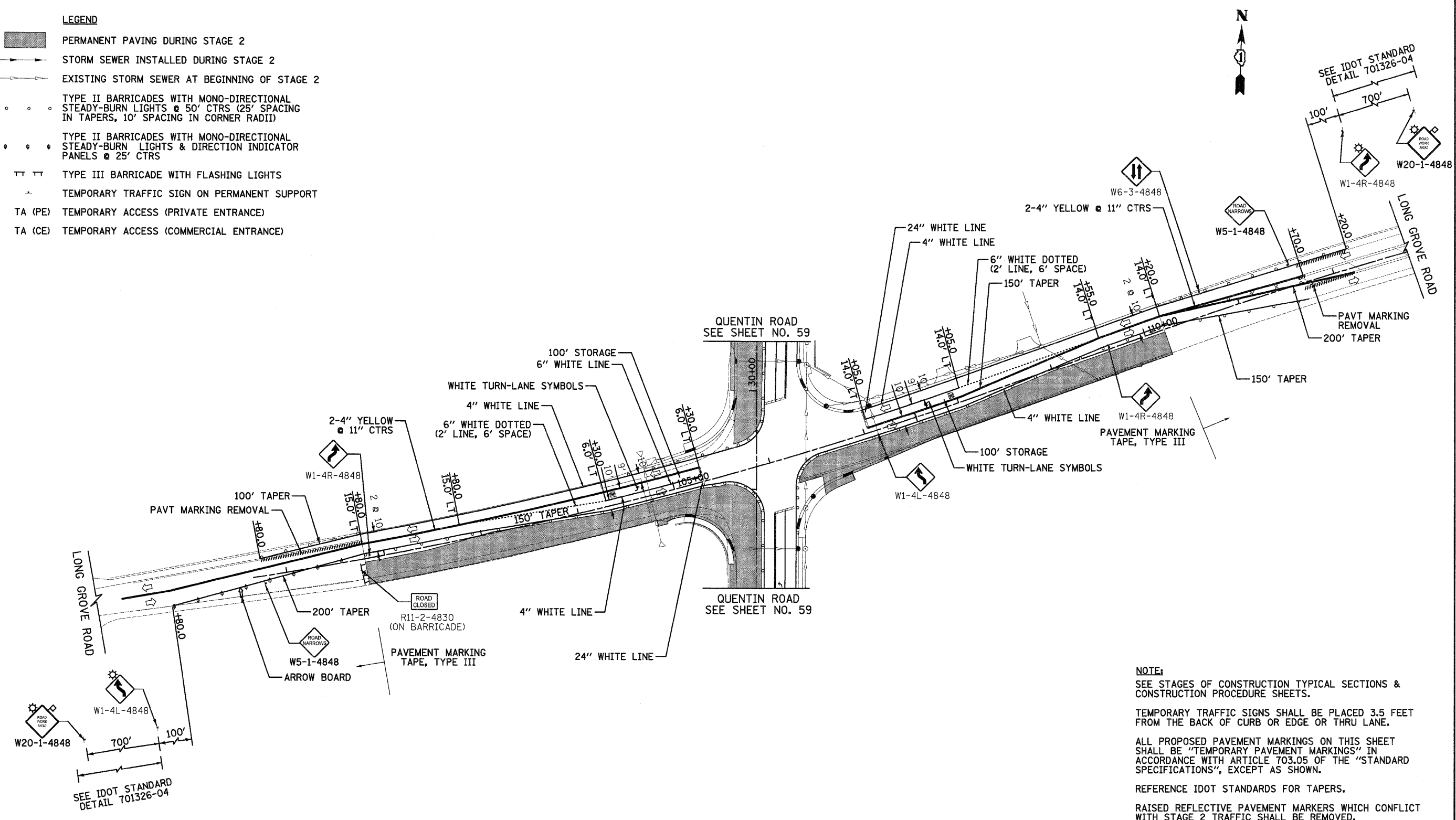
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	60
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

QUENTIN ROAD

- LEGEND**
- PERMANENT PAVING DURING STAGE 2
 - STORM SEWER INSTALLED DURING STAGE 2
 - EXISTING STORM SEWER AT BEGINNING OF STAGE 2
 - ○ ○ TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
 - ● ● TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 25' CTRS
 - ⏏ TYPE III BARRICADE WITH FLASHING LIGHTS
 - ⊕ TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
 - TA (PE) TEMPORARY ACCESS (PRIVATE ENTRANCE)
 - TA (CE) TEMPORARY ACCESS (COMMERCIAL ENTRANCE)

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



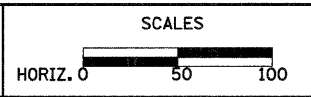
NOTE:
 SEE STAGES OF CONSTRUCTION TYPICAL SECTIONS & CONSTRUCTION PROCEDURE SHEETS.
 TEMPORARY TRAFFIC SIGNS SHALL BE PLACED 3.5 FEET FROM THE BACK OF CURB OR EDGE OR THRU LANE.
 ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.05 OF THE "STANDARD SPECIFICATIONS", EXCEPT AS SHOWN.
 REFERENCE IDOT STANDARDS FOR TAPERS.
 RAISED REFLECTIVE PAVEMENT MARKERS WHICH CONFLICT WITH STAGE 2 TRAFFIC SHALL BE REMOVED.
 ALL TEMPORARY ACCESS LOCATIONS SHALL BE SIGNED ACCORDING TO LAKE COUNTY DETAIL, LC7201.

LONG GROVE ROAD

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



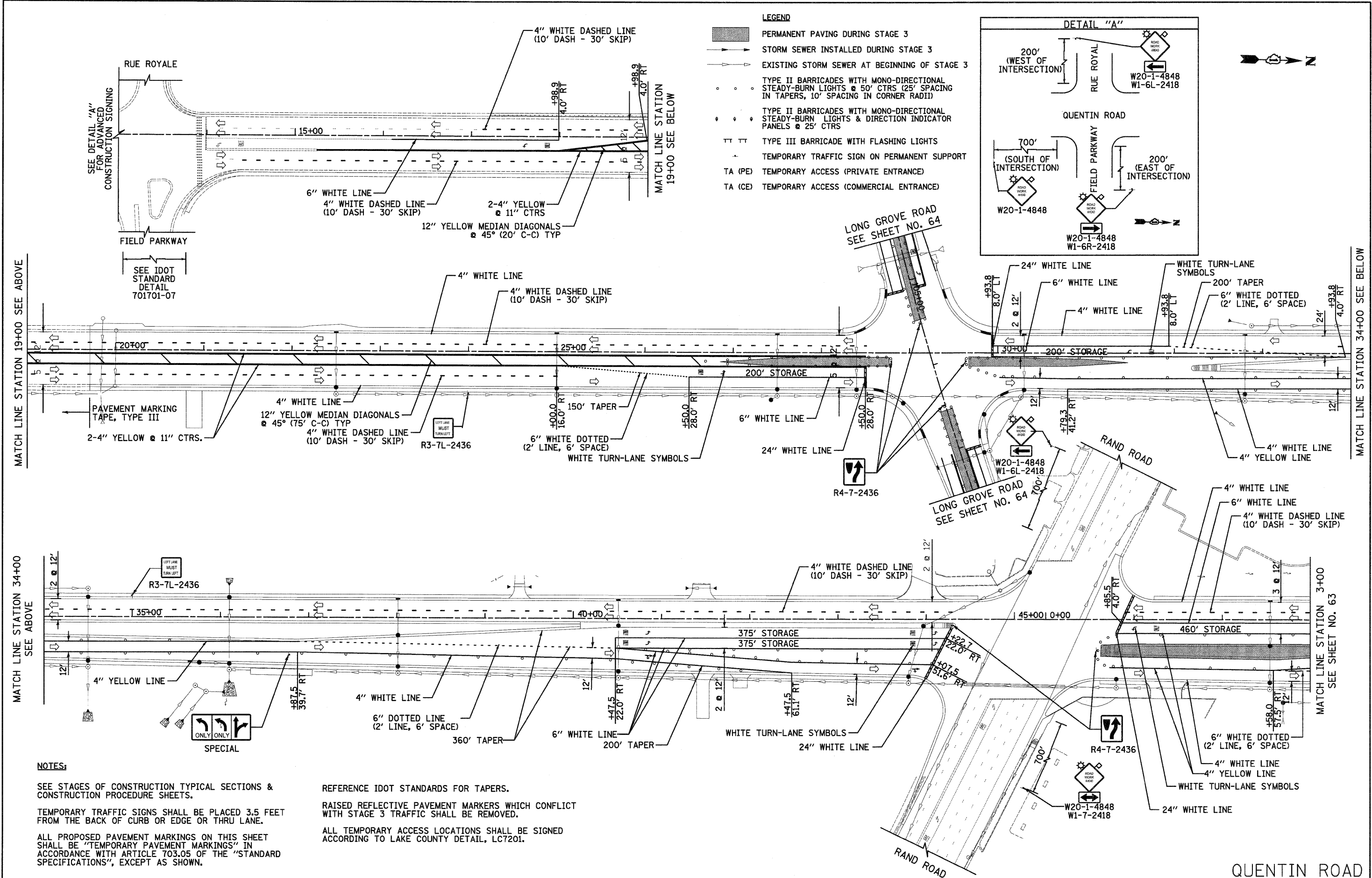
STAGES OF CONSTRUCTION STAGE II

SHEET NO. 3 OF 3 SHEETS

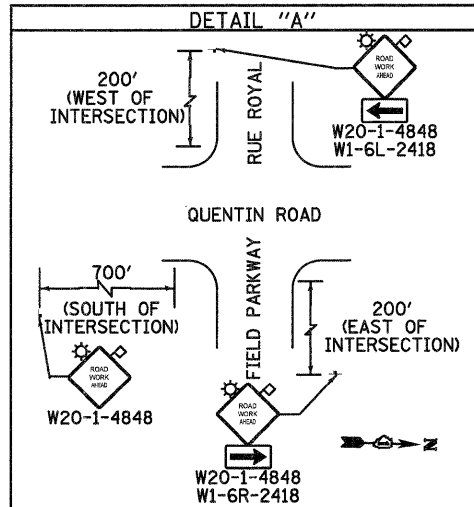
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	61
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
ORIGINAL SURVEY	
DATE	
NO.	

DATE	
BY	
FINAL SURVEY	
ORIGINAL SURVEY	
DATE	
NO.	



- LEGEND**
- PERMANENT PAVING DURING STAGE 3
 - STORM SEWER INSTALLED DURING STAGE 3
 - EXISTING STORM SEWER AT BEGINNING OF STAGE 3
 - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
 - TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 25' CTRS
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
 - TA (PE) TEMPORARY ACCESS (PRIVATE ENTRANCE)
 - TA (CE) TEMPORARY ACCESS (COMMERCIAL ENTRANCE)



NOTES:

SEE STAGES OF CONSTRUCTION TYPICAL SECTIONS & CONSTRUCTION PROCEDURE SHEETS.

TEMPORARY TRAFFIC SIGNS SHALL BE PLACED 3.5 FEET FROM THE BACK OF CURB OR EDGE OR THRU LANE.

ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.05 OF THE "STANDARD SPECIFICATIONS", EXCEPT AS SHOWN.

REFERENCE IDOT STANDARDS FOR TAPERS.

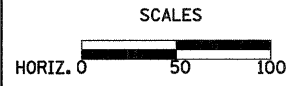
RAISED REFLECTIVE PAVEMENT MARKERS WHICH CONFLICT WITH STAGE 3 TRAFFIC SHALL BE REMOVED.

ALL TEMPORARY ACCESS LOCATIONS SHALL BE SIGNED ACCORDING TO LAKE COUNTY DETAIL, LC7201.

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



STAGES OF CONSTRUCTION STAGE III

SHEET NO. 1 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	62
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 63649

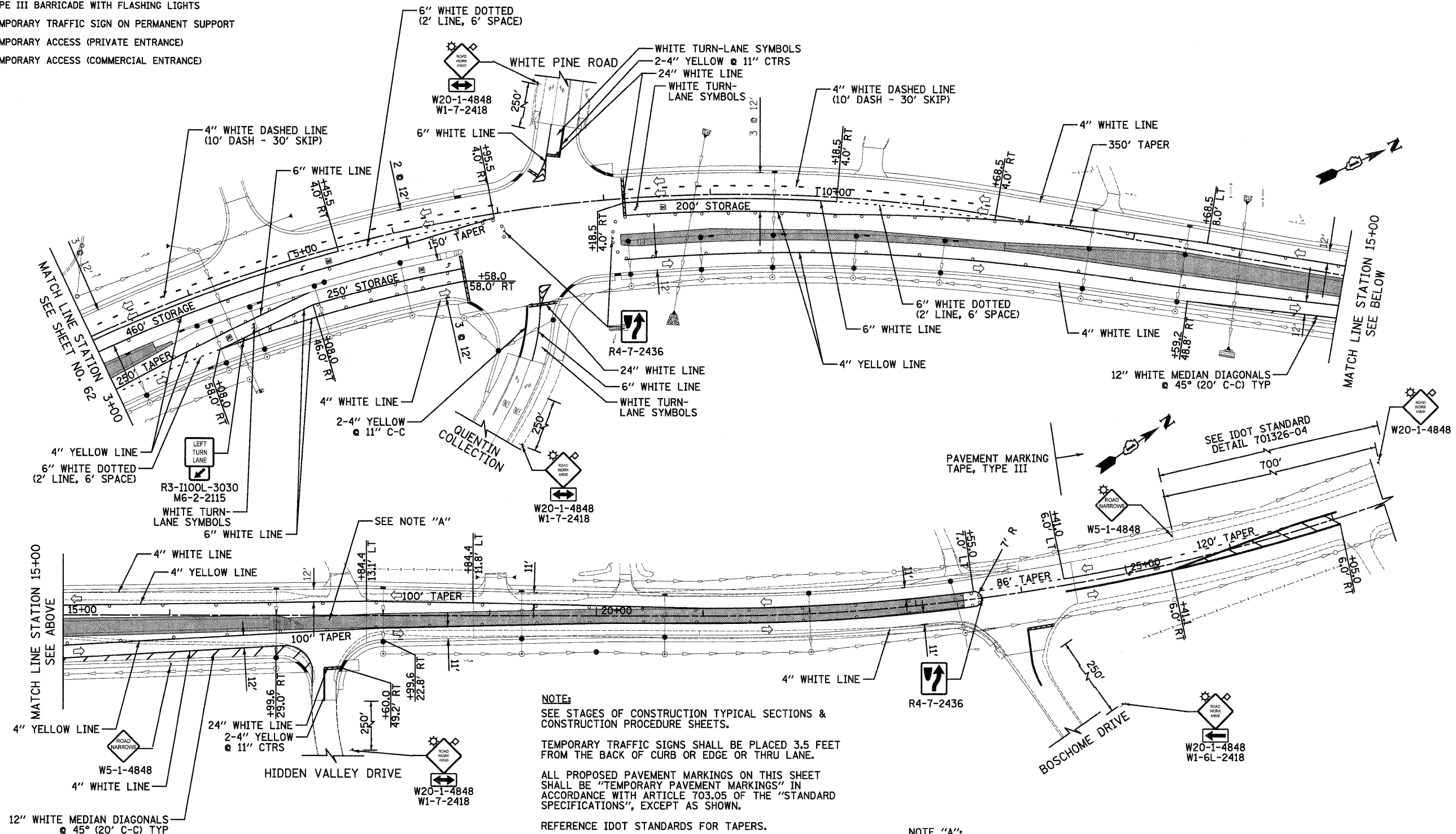
QUENTIN ROAD

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

LEGEND

- PERMANENT PAVING DURING STAGE 3
- STORM SEWER INSTALLED DURING STAGE 3
- EXISTING STORM SEWER AT BEGINNING OF STAGE 3
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
- TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 25' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- TA (PE) TEMPORARY ACCESS (PRIVATE ENTRANCE)
- TA (CE) TEMPORARY ACCESS (COMMERCIAL ENTRANCE)



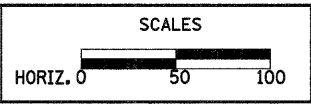
NOTE:
 SEE STAGES OF CONSTRUCTION TYPICAL SECTIONS & CONSTRUCTION PROCEDURE SHEETS.
 TEMPORARY TRAFFIC SIGNS SHALL BE PLACED 3.5 FEET FROM THE BACK OF CURB OR EDGE OR THRU LANE.
 ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.05 OF THE "STANDARD SPECIFICATIONS", EXCEPT AS SHOWN.
 REFERENCE IDOT STANDARDS FOR TAPERS.
 RAISED REFLECTIVE PAVEMENT MARKERS WHICH CONFLICT WITH STAGE 3 TRAFFIC SHALL BE REMOVED.
 ALL TEMPORARY ACCESS LOCATIONS SHALL BE SIGNED ACCORDING TO LAKE COUNTY DETAIL, LC7201.

NOTE "A":
 CONSTRUCT INTERSECTION IN TWO STAGES UNDER TRAFFIC, USING FLAGGERS. CONSTRUCT EAST HALF UP TO SUB-BASE AND PLACE TRAFFIC ON SUB-BASE IN ORDER TO COMPLETE WEST HALF, MAINTAIN TWO-WAY TRAFFIC DURING NON-WORKING HOURS.

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STAGES OF CONSTRUCTION STAGE III








SHEET NO. 2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	63
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

QUENTIN ROAD

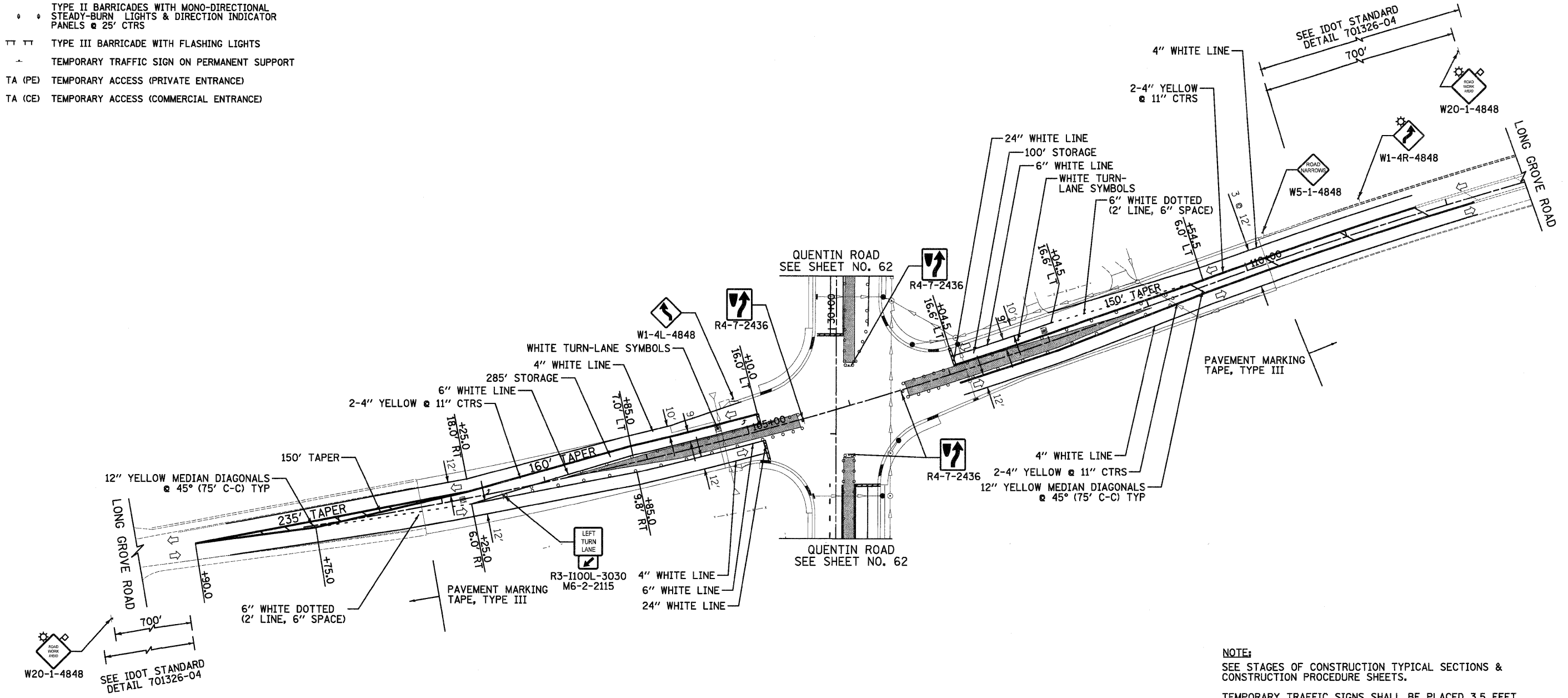


LEGEND

-  PERMANENT PAVING DURING STAGE 3
-  STORM SEWER INSTALLED DURING STAGE 3
-  EXISTING STORM SEWER AT BEGINNING OF STAGE 3
-  TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (25' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
-  TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 25' CTRS
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- TA (PE) TEMPORARY ACCESS (PRIVATE ENTRANCE)
- TA (CE) TEMPORARY ACCESS (COMMERCIAL ENTRANCE)

DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
AREAS CHECKED	
NO.	



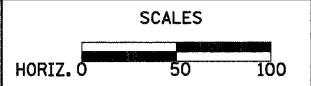
NOTE:
 SEE STAGES OF CONSTRUCTION TYPICAL SECTIONS & CONSTRUCTION PROCEDURE SHEETS.
 TEMPORARY TRAFFIC SIGNS SHALL BE PLACED 3.5 FEET FROM THE BACK OF CURB OR EDGE OR THRU LANE.
 ALL PROPOSED PAVEMENT MARKINGS ON THIS SHEET SHALL BE "TEMPORARY PAVEMENT MARKINGS" IN ACCORDANCE WITH ARTICLE 703.05 OF THE "STANDARD SPECIFICATIONS", EXCEPT AS SHOWN.
 REFERENCE IDOT STANDARDS FOR TAPERS.
 RAISED REFLECTIVE PAVEMENT MARKERS WHICH CONFLICT WITH STAGE 3 TRAFFIC SHALL BE REMOVED.
 ALL TEMPORARY ACCESS LOCATIONS SHALL BE SIGNED ACCORDING TO LAKE COUNTY DETAIL, LC7201.

LONG GROVE ROAD

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



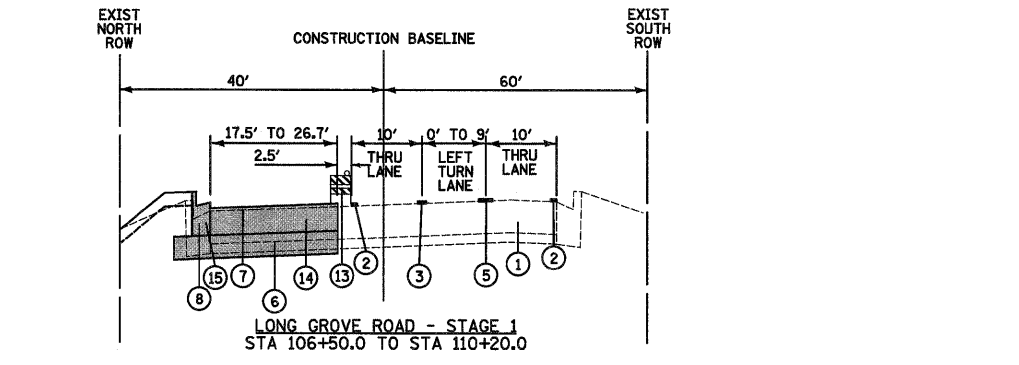
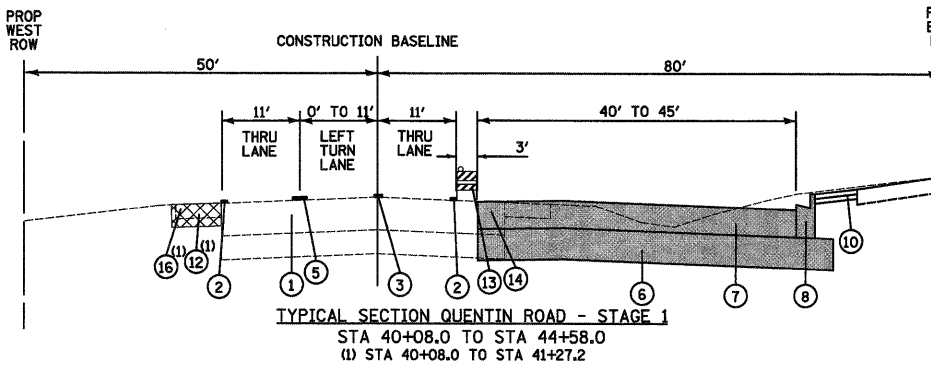
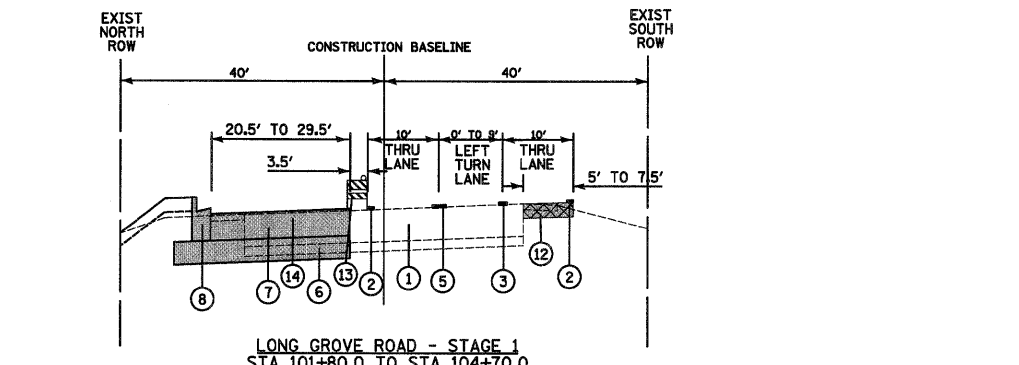
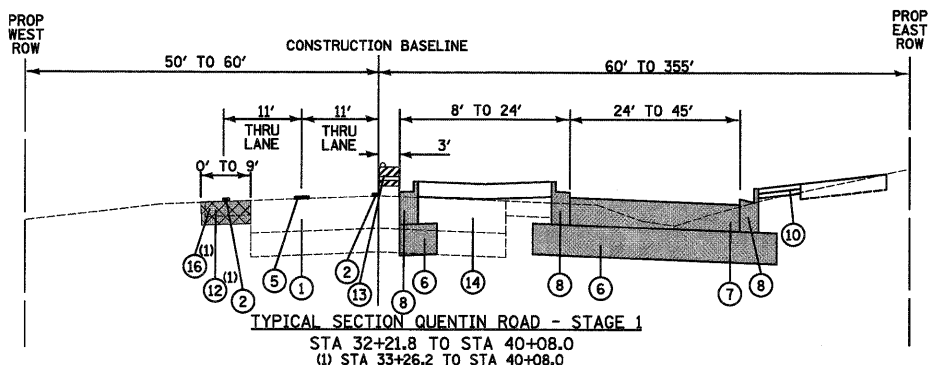
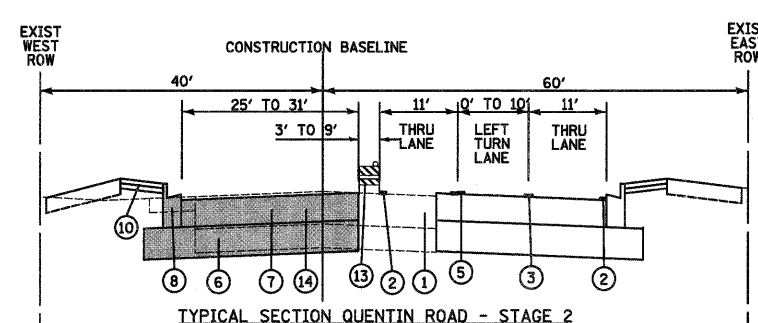
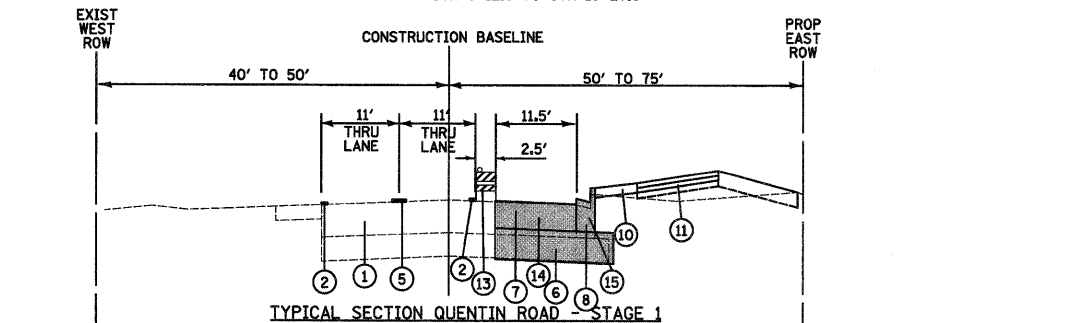
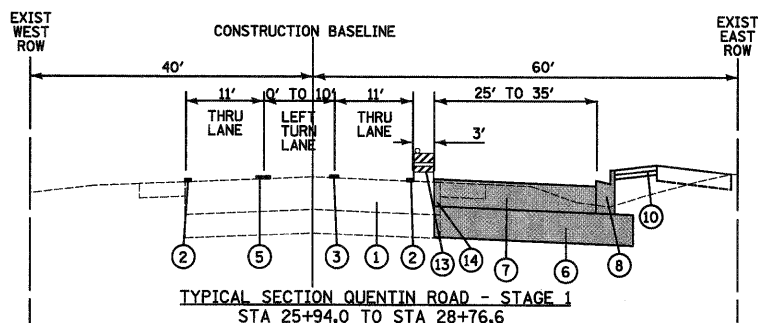
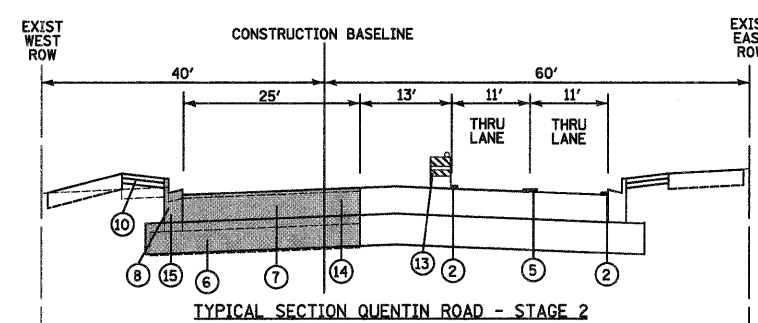
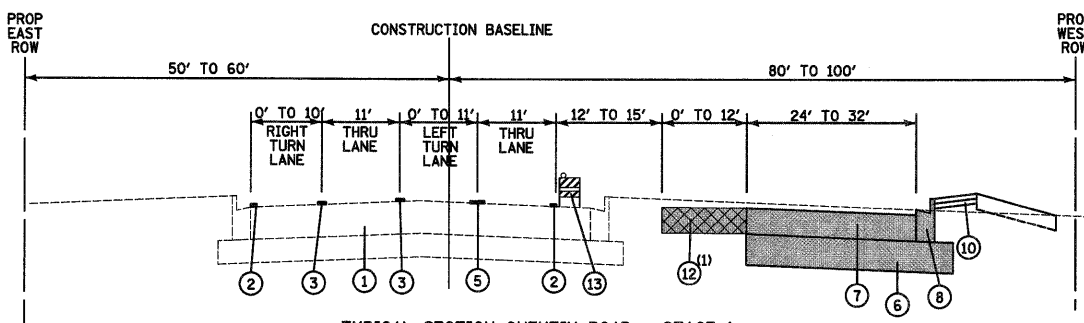
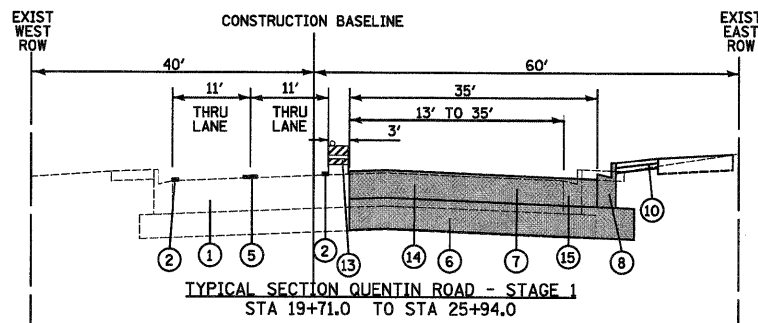
STAGES OF CONSTRUCTION STAGE III

SHEET NO. 3 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	64
				CONTRACT NO. 63649
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

- ① EXISTING BITUMINOUS PAVEMENT
 - ② PROP TEMPORARY PAVEMENT MARKING (4" WHITE LINE)
 - ③ PROP TEMPORARY PAVEMENT MARKING (6" WHITE LINE)
 - ④ PROP TEMPORARY PAVEMENT MARKING (4" YELLOW LINE)
 - ⑤ PROP TEMPORARY PAVEMENT MARKING (2-4" YELLOW LINES @ 11" CTRS)
 - ⑥ PROP AGGREGATE SUBGRADE, 12"
 - ⑦ PROP HOT-MIX ASPHALT BINDER COURSE, IL-19, N70
 - ⑧ PROP COMB CONCRETE CURB & GUTTER, TYPE B-6.24
 - ⑨ PROP CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)
 - ⑩ PROP PAVED SHOULDER
 - ⑪ PROP BIKEPATH
 - ⑫ PROP HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"
 - ⑬ TYPE II BARRICADE (NON-METALLIC) W/ STEADY-BURN LIGHT
 - ⑭ PAVEMENT REMOVAL
 - ⑮ COMBINATION CURB & GUTTER REMOVAL
 - ⑯ GRAVEL SHOULDER REMOVAL-PAID FOR AS "EARTH EXCAVATION"
- PERMANENT CONSTRUCTION DURING STAGE
 (SEE TYPICAL SECTIONS AND PLAN AND PROFILE SHEETS)
- ▨ TEMPORARY PAVEMENT WIDENING (8 - INCH)
 (HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 WITH NO SURFACE COURSE OR P.C. CONCRETE PAVEMENT WITH NO PAVEMENT FABRIC. PAID FOR AS TEMPORARY PAVEMENT.)

PRE-STAGE 1 (NOT ILLUSTRATED)	STAGE 1 (SHEETS 51-53)	STAGE 2 (SHEETS 54-56)	STAGE 3 (SHEETS 57-59)	STAGE 4 (NOT ILLUSTRATED)
<ol style="list-style-type: none"> ERECT ALL ADVANCED CONSTRUCTION SIGNING. IMPLEMENT SOIL & SEDIMENT EROSION CONTROL PLAN. TURN OFF AND COVER TRAFFIC SIGNALS AT THE LONG GROVE ROAD, RAND ROAD, AND WHITE PINE ROAD ALONG QUENTIN ROAD, AND INSTALL TEMPORARY TRAFFIC SIGNALS AND LIGHTING. REMOVE TREES, RELOCATE FIRE HYDRANTS AND TRAFFIC SIGNS WHERE NECESSARY, REMOVE BITUMINOUS AND GRAVEL SHOULDERS AND CONSTRUCT TEMPORARY PAVEMENT WIDENING ON WEST SIDE OF QUENTIN ROAD AND SOUTH SIDE OF LONG GROVE ROAD. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS, ERECT BARRICADES AND TEMPORARY TRAFFIC SIGNS AND SHIFT TRAFFIC. 	<ol style="list-style-type: none"> REMOVE EXISTING PAVEMENT AND CURB AND GUTTER ON THE EAST SIDE OF QUENTIN ROAD AND NORTH SIDE OF LONG GROVE ROAD. INSTALL DRAINAGE STRUCTURES, MAIN STORM SEWER, & STORM SEWER LATERALS ON EAST SIDE OF QUENTIN ROAD. CONSTRUCT BASE COURSE, BINDER COURSE, CURB AND GUTTER, DRIVEWAYS, BIKE PATHS, AND SIDEWALKS ON EAST SIDE OF QUENTIN ROAD AND THE NORTH SIDE OF LONG GROVE ROAD. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS, RELOCATE BARRICADES, ADJUST TEMPORARY SIGNING, TEMPORARY TRAFFIC SIGNALS, AND SHIFT TRAFFIC ON QUENTIN AVENUE AND LONG GROVE ROAD FOR STAGE II CONSTRUCTION. BEGIN INSTALLATION OF PERMANENT TRAFFIC SIGNALS. 	<ol style="list-style-type: none"> REMOVE EXISTING PAVEMENT AND CURB AND GUTTER ON WEST SIDE OF QUENTIN ROAD AND SOUTH SIDE OF LONG GROVE ROAD. CONSTRUCT ALL REMAINING STORM SEWERS ON THE WEST SIDE OF QUENTIN ROAD. CONSTRUCT BASE COURSE, BINDER COURSE, CURB AND GUTTER, DRIVEWAYS AND SIDEWALKS ON WEST SIDE OF QUENTIN ROAD AND SOUTH SIDE OF LONG GROVE ROAD. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS, RELOCATE BARRICADES, ADJUST TEMPORARY TRAFFIC SIGNALS, AND SHIFT TRAFFIC ON QUENTIN ROAD AND LONG GROVE ROAD FOR STAGE III CONSTRUCTION. 	<ol style="list-style-type: none"> CONSTRUCT BASE COURSE AND BINDER COURSE IN THE LEFT TURN LANES ON QUENTIN ROAD AND LONG GROVE ROAD AND CONSTRUCT MEDIANS ALONG QUENTIN ROAD. REMOVE CONFLICTING PAVEMENT MARKINGS ON QUENTIN ROAD AND LONG GROVE ROAD. PLACE TEMPORARY MARKINGS, PLACE PERMANENT SIGNING, REMOVE ALL BARRICADES AND TEMPORARY TRAFFIC SIGNS AND OPEN LANES TO TRAFFIC ON QUENTIN ROAD AND LONG GROVE ROAD. REMOVE EXISTING SURFACE COURSE WHERE APPLICABLE ON QUENTIN ROAD AND LONG GROVE ROAD, AND PLACE LEVELING BINDER. 	<ol style="list-style-type: none"> SQUARE OFF END OF PROJECT WITH 2" MILLED BUTT JOINTS WHERE APPLICABLE, AND AT THE DIRECTION OF THE RESIDENT ENGINEER. PLACE SURFACE COURSE TO FINISHED GRADE ON QUENTIN ROAD AND LONG GROVE ROAD, MAINTAINING TRAFFIC PER STANDARD 701501, AND PLACE SHORT TERM PAVEMENT MARKING TAPE AS REQUIRED. COMPLETE AND ACTIVATE ALL PERMANENT TRAFFIC SIGNAL INSTALLATIONS AND REMOVE TEMPORARY SIGNALS AT LONG GROVE ROAD, RAND ROAD, AND WHITE PINE DRIVE. REMOVE ALL CONFLICTING PAVEMENT MARKINGS, PLACE SHORT-TERM MARKINGS AND PERMANENT SIGNING, REMOVE ALL BARRICADES AND TEMPORARY TRAFFIC SIGNS. COMPLETE ALL REMAINING LANDSCAPING AND CLEAN-UP WORK.

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

DESIGNED - JRR
 DRAWN - JRR
 CHECKED - RTM
 DATE - 10/24/2011

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

NO SCALE

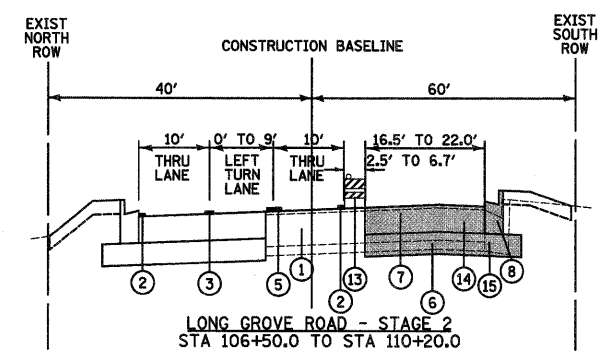
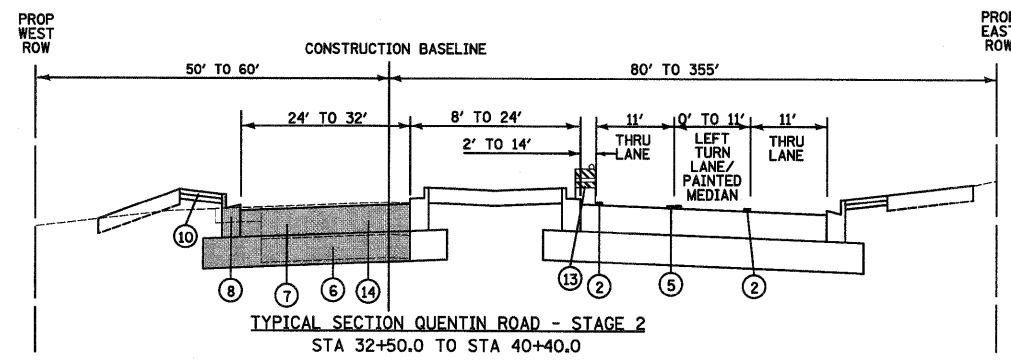
TYPICAL SECTIONS & CONSTRUCTION PROCEDURE

SHEET NO. 1 OF 2 SHEETS

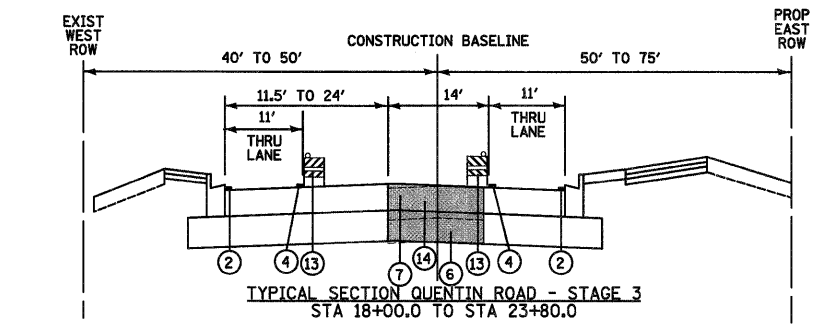
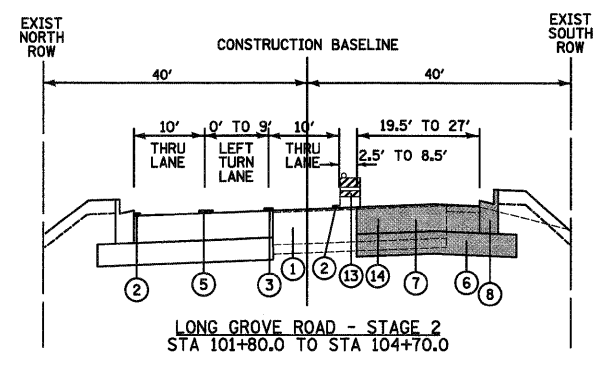
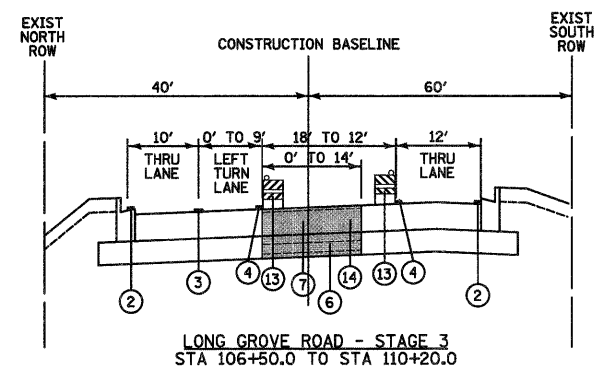
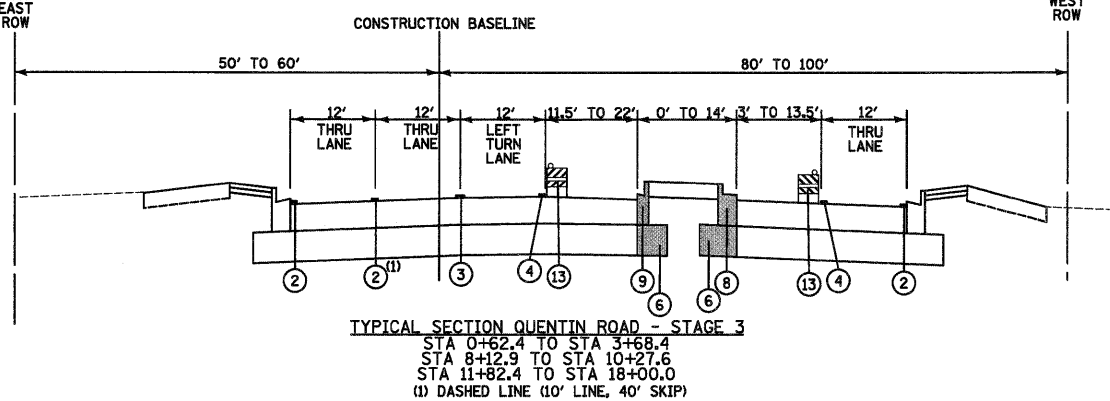
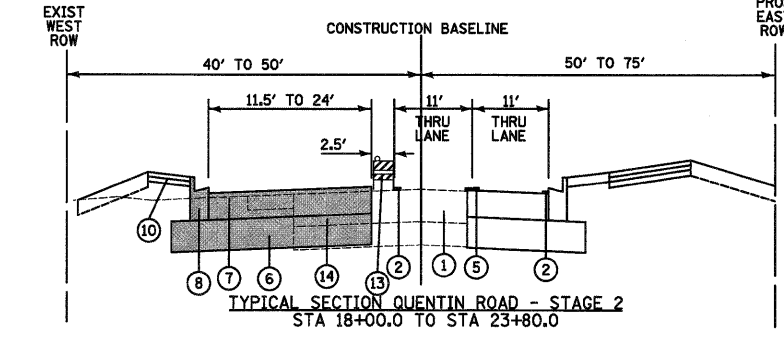
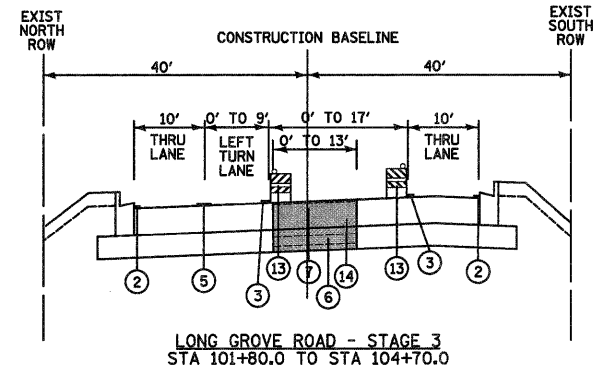
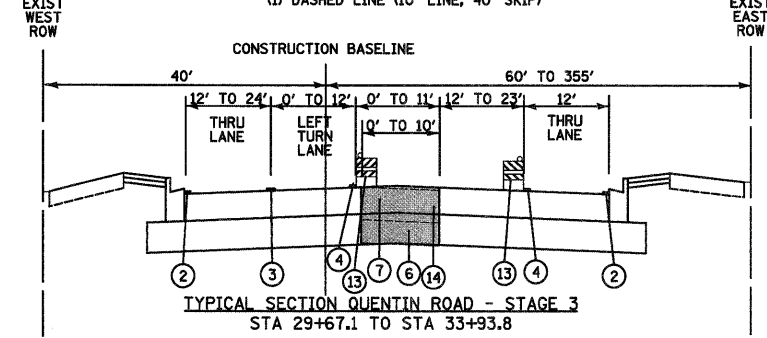
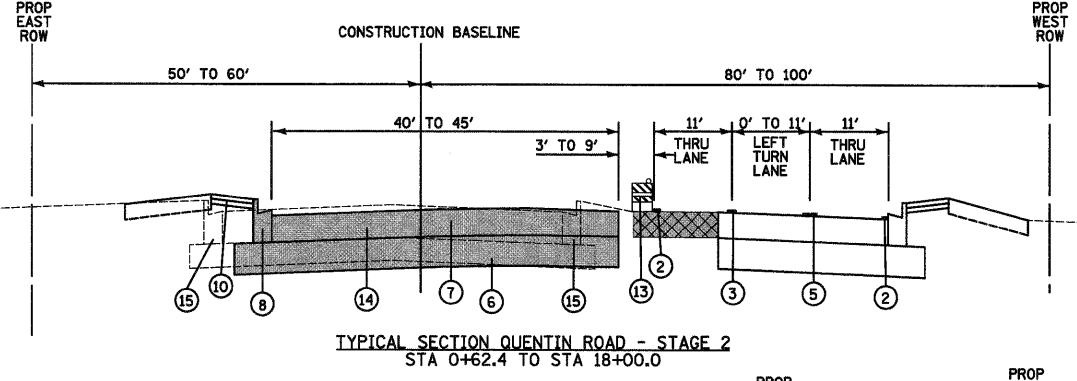
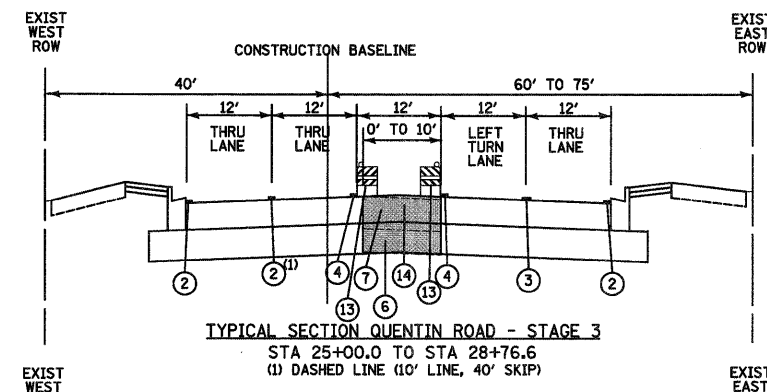
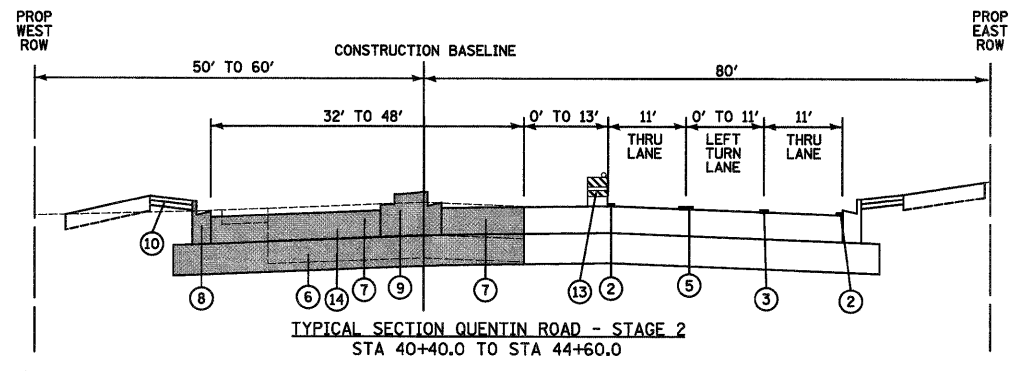
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	65
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 63649	

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

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



- LEGEND**
- ① EXISTING BITUMINOUS PAVEMENT
 - ② PROP TEMPORARY PAVEMENT MARKING (4" WHITE LINE)
 - ③ PROP TEMPORARY PAVEMENT MARKING (6" WHITE LINE)
 - ④ PROP TEMPORARY PAVEMENT MARKING (4" YELLOW LINE)
 - ⑤ PROP TEMPORARY PAVEMENT MARKING (2-4" YELLOW LINES @ 11" CTRS)
 - ⑥ PROP AGGREGATE SUBGRADE, 12"
 - ⑦ PROP HOT-MIX ASPHALT BINDER COURSE, IL-19, N70
 - ⑧ PROP COMB CONCRETE CURB & GUTTER, TYPE B-6.24
 - ⑨ PROP CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)
 - ⑩ PROP PAVED SHOULDER
 - ⑪ PROP BIKEPATH
 - ⑫ PROP HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"
 - ⑬ TYPE II BARRICADE (NON-METALLIC) W/ STEADY-BURN LIGHT
 - ⑭ PAVEMENT REMOVAL
 - ⑮ COMBINATION CURB & GUTTER REMOVAL
 - ⑯ GRAVEL SHOULDER REMOVAL-PAID FOR AS "EARTH EXCAVATION"
- PERMANENT CONSTRUCTION DURING STAGE
 (SEE TYPICAL SECTIONS AND PLAN AND PROFILE SHEETS)
- TEMPORARY PAVEMENT WIDENING (8 - INCH)
 (HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 WITH NO SURFACE COURSE OR P.C. CONCRETE PAVEMENT WITH NO PAVEMENT FABRIC. PAID FOR AS TEMPORARY PAVEMENT.)



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

DESIGNED - JRR
 DRAWN - JRR
 CHECKED - RTM
 DATE - 10/24/2011

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

NO SCALE

TYPICAL SECTIONS & CONSTRUCTION PROCEDURE















SHEET NO. 2 OF 2 SHEETS

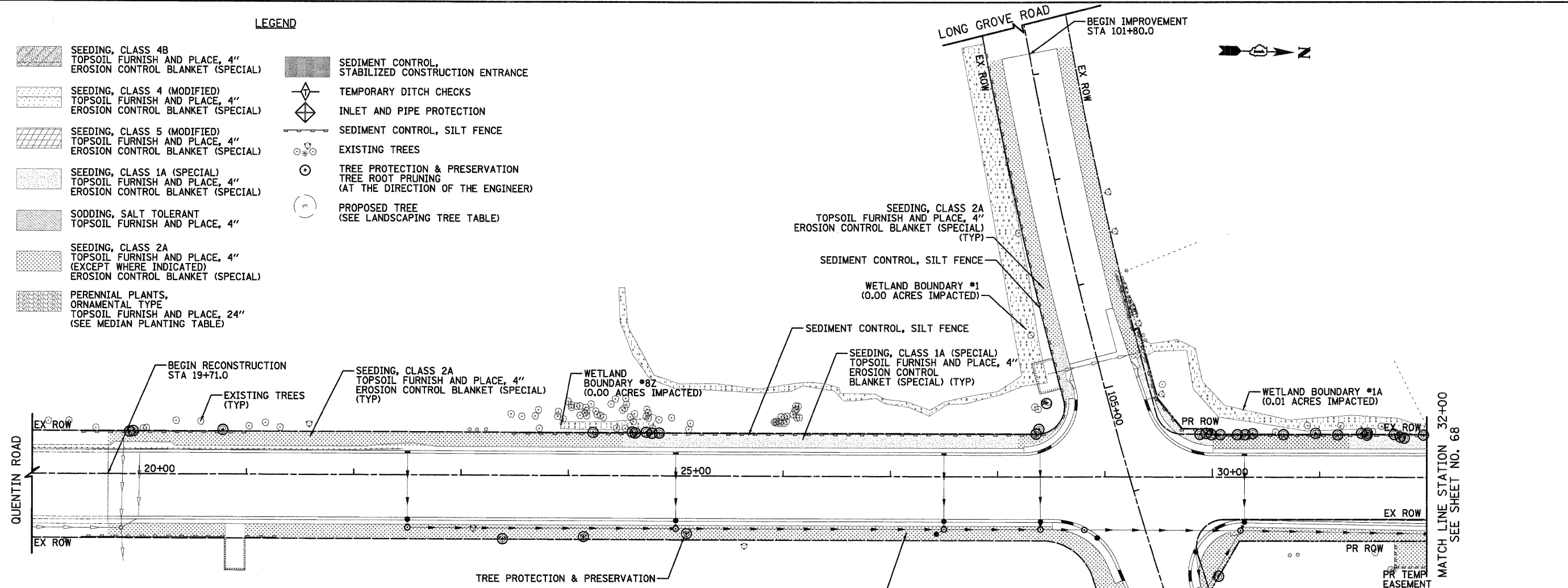
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	66
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
NOTED	
NO. OF SHEETS	
NO. OF AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
NO. OF SHEETS	
NO. OF AREAS CHECKED	

LEGEND

- | | |
|---|---|
|  SEEDING, CLASS 4B
TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET (SPECIAL) |  SEDIMENT CONTROL,
STABILIZED CONSTRUCTION ENTRANCE |
|  SEEDING, CLASS 4 (MODIFIED)
TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET (SPECIAL) |  TEMPORARY DITCH CHECKS |
|  SEEDING, CLASS 5 (MODIFIED)
TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET (SPECIAL) |  INLET AND PIPE PROTECTION |
|  SEEDING, CLASS 1A (SPECIAL)
TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET (SPECIAL) |  SEDIMENT CONTROL, SILT FENCE |
|  SODDING, SALT TOLERANT
TOPSOIL FURNISH AND PLACE, 4" |  EXISTING TREES |
|  SEEDING, CLASS 2A
TOPSOIL FURNISH AND PLACE, 4"
(EXCEPT WHERE INDICATED)
EROSION CONTROL BLANKET (SPECIAL) |  TREE PROTECTION & PRESERVATION
TREE ROOT PRUNING
(AT THE DIRECTION OF THE ENGINEER) |
|  PERENNIAL PLANTS,
ORNAMENTAL TYPE
TOPSOIL FURNISH AND PLACE, 24"
(SEE MEDIAN PLANTING TABLE) |  PROPOSED TREE
(SEE LANDSCAPING TREE TABLE) |

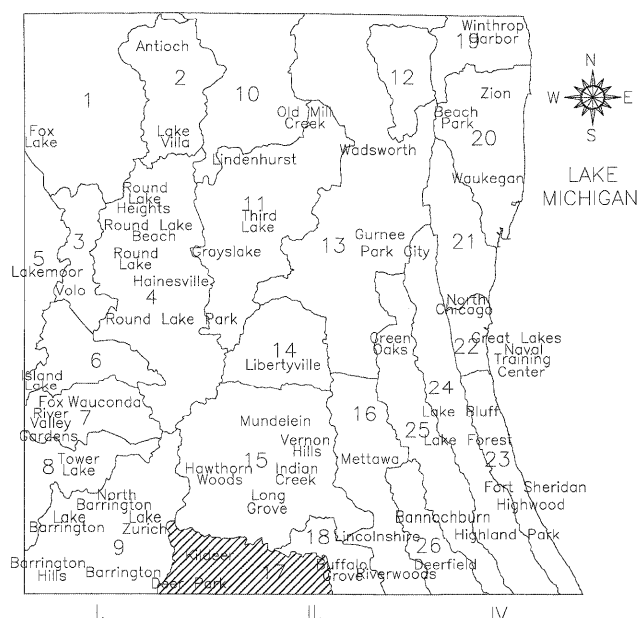


SEDIMENTATION AND EROSION CONTROL NOTES

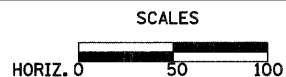
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
- AREAS OR ENBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE STABILIZED WITH "SODDING, SALT TOLERANT" OR "EROSION CONTROL BLANKET (SPECIAL)" IN COMBINATION WITH SEEDING AS SPECIFIED ON THE PLAN.
- EROSION CONTROL BLANKET SHALL BE REQUIRED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL DURING.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED.
- A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA. ANY 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.
- SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF LAKE COUNTY.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURES (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE.)
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

DRAINAGE BASINS OF LAKE COUNTY

- FOX RIVER WATERSHED**
 - Upper Fox River
 - Sequoit Creek
 - Fish Lake Drain
 - Squaw Creek
 - Lower Fox River
 - Mutton Creek
 - Slocum Lake Drain
 - Tower Lake Drain
 - Flint Creek
- DES PLAINES RIVER WATERSHED**
 - North Mill Creek
 - Mill Creek
 - Newport Drainage Ditch
 - Upper Des Plaines River
 - Bull Creek
 - Indian Creek
 - Lower Des Plaines River
 - Buffalo Creek
- LAKE MICHIGAN WATERSHED**
 - Aptakisic Creek
 - Dead River
 - Waukegan River
 - Pettibone Creek
 - Bluff/Ravine
- CHICAGO RIVER WATERSHED**
 - Skokie River
 - Middle Fork
 - West Fork



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



EROSION CONTROL & LANDSCAPING

SHEET NO. 1 OF 5 SHEETS

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

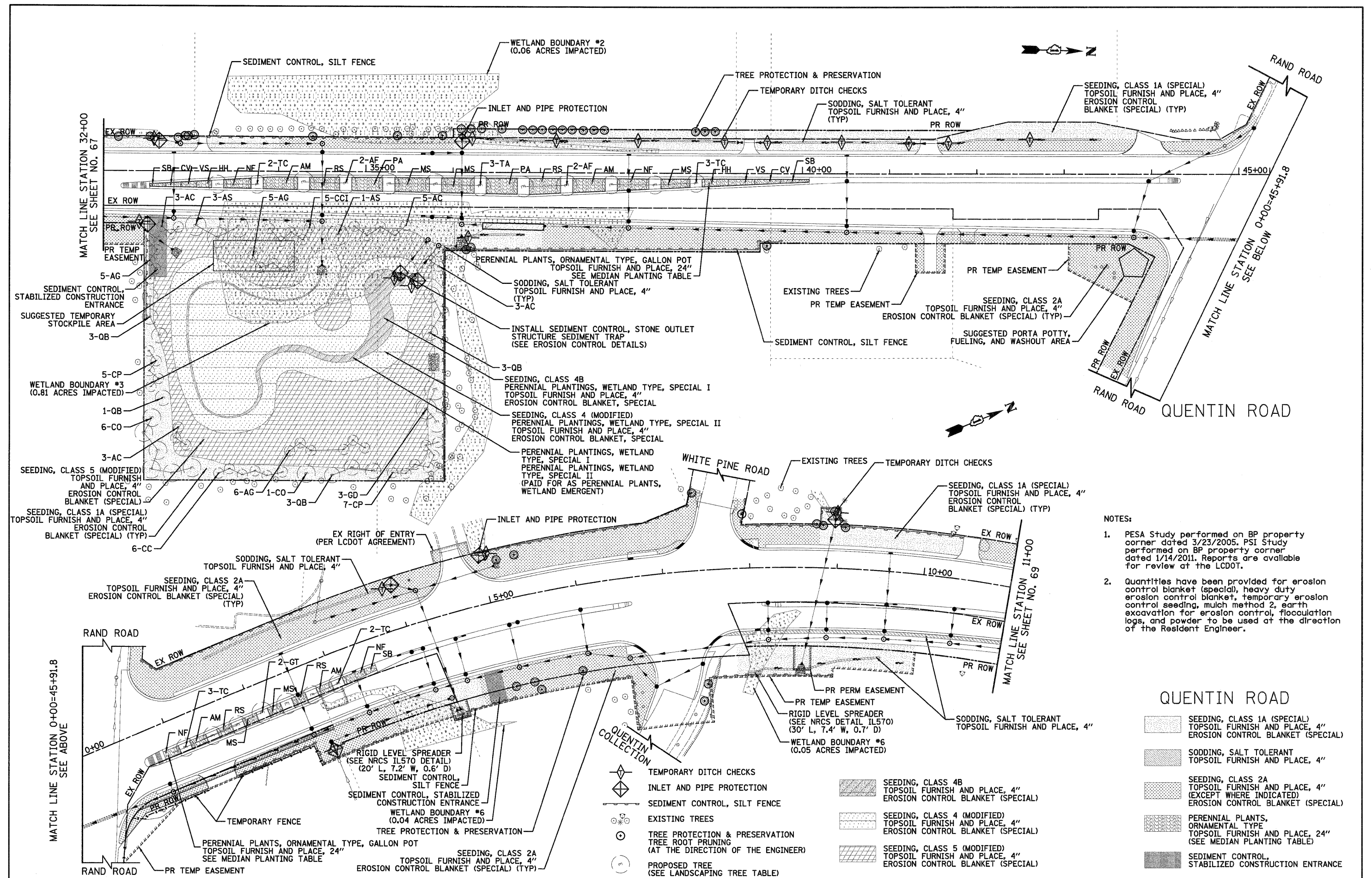
DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	67
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

QUENTIN ROAD

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

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



- NOTES:
1. PESA Study performed on BP property corner dated 3/23/2005. PSI Study performed on BP property corner dated 1/14/2011. Reports are available for review at the LCDOT.
 2. Quantities have been provided for erosion control blanket (special), heavy duty erosion control blanket, temporary erosion control seeding, mulch method 2, earth excavation for erosion control, flocculation logs, and powder to be used at the direction of the Resident Engineer.

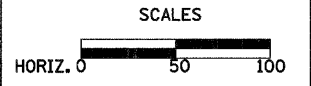
QUENTIN ROAD

[Hatched Pattern]	SEEDING, CLASS 1A (SPECIAL) TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET (SPECIAL)
[Hatched Pattern]	SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"
[Hatched Pattern]	SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4" (EXCEPT WHERE INDICATED) EROSION CONTROL BLANKET (SPECIAL)
[Hatched Pattern]	PERENNIAL PLANTS, ORNAMENTAL TYPE TOPSOIL FURNISH AND PLACE, 24" (SEE MEDIAN PLANTING TABLE)
[Hatched Pattern]	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

















EROSION CONTROL & LANDSCAPING

SHEET NO. 2 OF 5 SHEETS

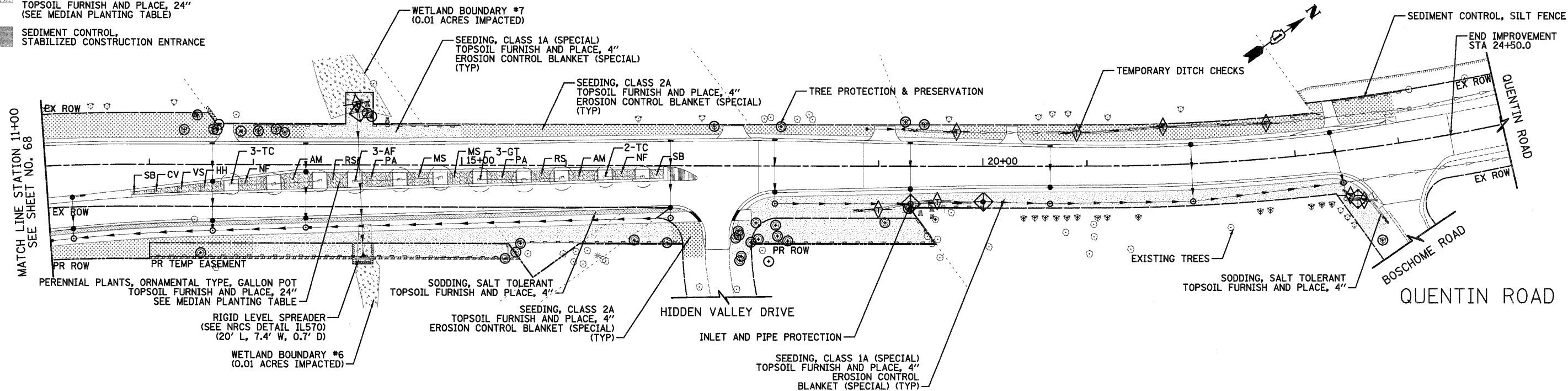
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	68
				CONTRACT NO. 63649
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

-  SEEDING, CLASS 4B
TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET (SPECIAL)
 -  SEEDING, CLASS 4 (MODIFIED)
TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET (SPECIAL)
 -  SEEDING, CLASS 5 (MODIFIED)
TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET (SPECIAL)
 -  SEEDING, CLASS 1A (SPECIAL)
TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET (SPECIAL)
 -  SODDING, SALT TOLERANT
TOPSOIL FURNISH AND PLACE, 4"
 -  SEEDING, CLASS 2A
TOPSOIL FURNISH AND PLACE, 4"
(EXCEPT WHERE INDICATED)
EROSION CONTROL BLANKET (SPECIAL)
 -  PERENNIAL PLANTS,
ORNAMENTAL TYPE
TOPSOIL FURNISH AND PLACE, 24"
(SEE MEDIAN PLANTING TABLE)
 -  SEDIMENT CONTROL,
STABILIZED CONSTRUCTION ENTRANCE
-  TEMPORARY DITCH CHECKS
 -  INLET AND PIPE PROTECTION
 -  SEDIMENT CONTROL, SILT FENCE
 -  EXISTING TREES
 -  TREE PROTECTION & PRESERVATION
TREE ROOT PRUNING
(AT THE DIRECTION OF THE ENGINEER)
 -  PROPOSED TREE
(SEE LANDSCAPING TREE TABLE)

Landscaping Trees
(Paid for as Trees (Special))

Symbol	Botanic Name	Common Name	Size	Qty.	Pay Item Description
AF	ACER X 'FREEMAN'	FREEMAN MAPLE	4" DIA	7	TREE, ACER X FREEMANII MARMO (MARMO FREEMAN MAPLE), 4" CALIPER, BALLED AND BURLAPPED
AS	ACER SACCHARUM "GREEN MOUNTAIN"	GREEN MOUNTAIN SUGAR MAPLE	4" DIA	4	TREE, ACER SACCHARUM GREEN MOUNTAIN (GREEN MOUNTAIN SUGAR MAPLE), 4" CALIPER, BALLED AND BURLAPPED
AC	AMELANCHIER CANADENSIS "PRINCE WILLIAM"	PRINCE WILLIAM SERVICEBERRY	8" CLUMP FORM	14	TREE, AMELANCHIER CANADENSIS PRINCE WILLIAM (PRINCE WILLIAM SERVICEBERRY), 8" HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
AG	ALNUS GLUTINOSA	EUROPEAN BLACK ALDER	8" CLUMP FORM	16	TREE, ALNUS GLUTINOSA (BLACK ALDER), 8" HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
CC	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	8" CLUMP FORM	6	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 8" HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
CCT	CRATAEGUS CRUSGALLI "INERMIS"	THORNLESS COCKSPUR HAW THORN	8" CLUMP FORM	5	TREE, CRATAEGUS CRUSGALLI INERMIS (THORNLESS COCKSPUR HAW THORN), 8" HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
CO	CELTIS OCCIDENTALIS	COMMON HACKBERRY	3 1/2" DIA	7	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 3-1/2" CALIPER, BALLED AND BURLAPPED
CP	CRATAEGUS PHAENOPYRUM	WASHINGTON HAW THORN	7" CLUMP FORM	12	TREE, CRATAEGUS PHAENOPYRUM (WASHINGTON HAW THORN), 7" HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
GT	GLEDITSIA TRIACANTHOS X INERMIS 'SKYLINE'	SKYLINE HONEYLOCUST	4" DIA	5	TREE, SKYLINE HONEYLOCUST, 4" CAL
GD	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	4" DIA	3	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 4" CALIPER, BALLED AND BURLAPPED
QB	QUERCUS BICOLOR	SWAMP WHITE OAK	3" DIA	10	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 3" CALIPER, BALLED & BURLAPPED
TA	TILIA AMERICANA 'REDMOND'	REDMOND LINDEN	4" DIA	3	TREE, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 4" CALIPER, BALLED AND BURLAPPED
TC	TILIA CORDATA "GREENSPIRE"	GREENSPIRE LINDEN	3 1/2" DIA	15	TREE, TILIA CORDATA GREENSPIRE (GREENSPIRE LINDEN), 3-1/2" CALIPER, BALLED AND BURLAPPED



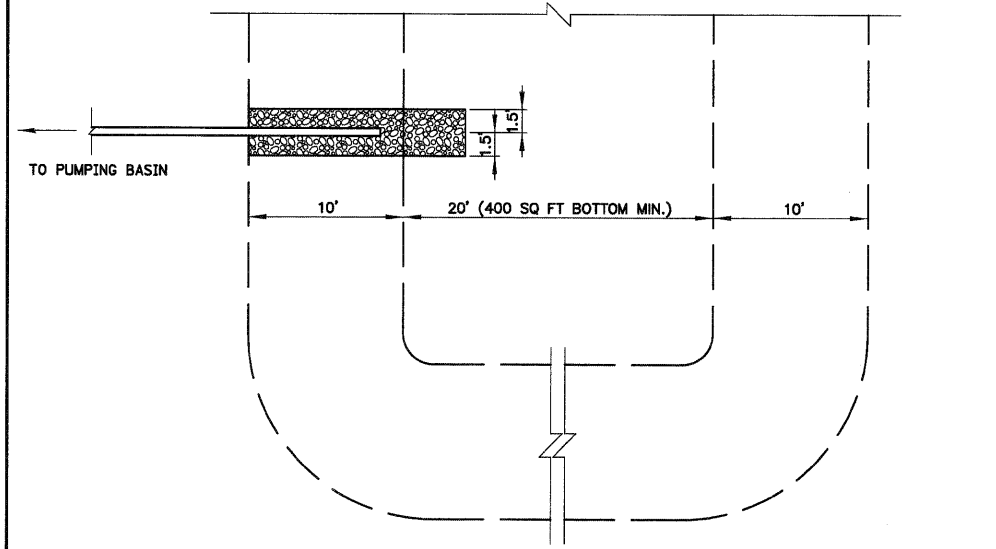
Median Plantings Table
(Paid for as Perennial Plants, Ornamental Type, Gallon Pot and Perennial Plants, Ornamental Type, 3-Gallon Pot)

Symbol	Botanic Name	Common Name	Size	Spacing	Quantity
MS	Miscanthus sinensis 'Purpurascens'	Flame Grass	3 GAL	5 FT	105
PA	Pennisetum alopecuroides	Fountain Grass	3 GAL	3 FT	208
RS	Perovskia atriplicifolia	Russian Sage	1 GAL	3 FT	269
AM	Achillea x 'Moonshine'	Moonshine Yarrow	1 GAL	1.5 FT	1013
NF	Nepeta faassenii 'Walker's Low'	Walker's Low Catmint	1 GAL	1.5 FT	732
SB	Stachys byantina 'Big Ears'	Big Ears Lambs Ears	1 GAL	1.5 FT	306
CV	Coreopsis verticillata 'Moonbeam'	Moonbeam Coreopsis	1 GAL	1.5 FT	171
VS	Veronica 'Sunny Border Blue'	Sunny Border Blue Speedwell	1 GAL	1.5 FT	213
HH	Hemerocallis 'Happy Returns'	Happy Returns Daylily	1 GAL	1.5 FT	269

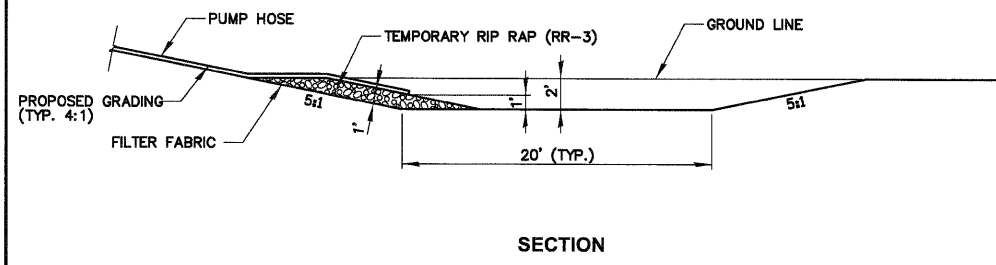
DATE: _____
BY: _____
SURVEYED: _____
PLOTTED: _____
NOTE BOOK: _____
NO. _____

DATE: _____
BY: _____
ORIGINAL SURVEY: _____
PLOTTED: _____
NOTE BOOK: _____
NO. _____

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



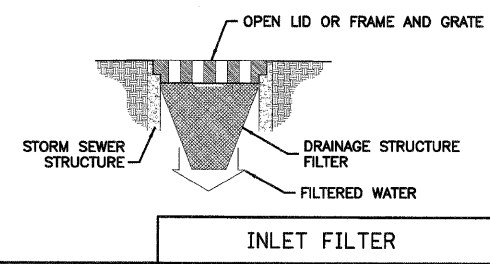
PLAN VIEW



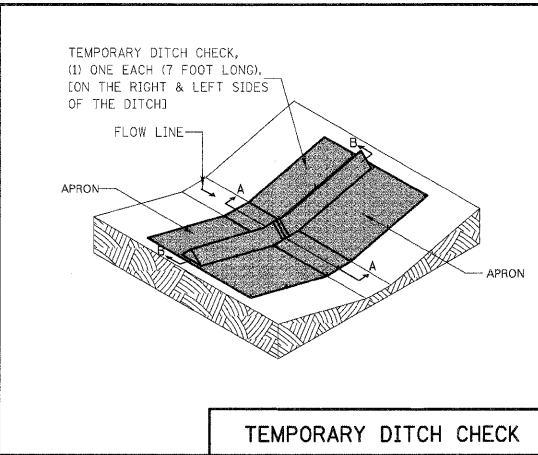
SECTION

TEMPORARY SUMP PIT DETAIL
 N.T.S.

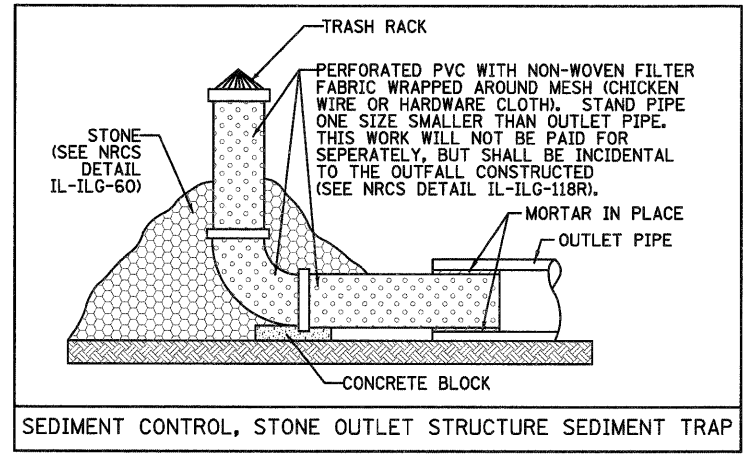
NOTE:
 ALL OPEN LID MANHOLES, INLETS AND CATCH BASINS REGARDLESS OF WHETHER THEY ARE DESIGNATED TO BE PROTECTED WITH INLET AND PIPE PROTECTION, ARE TO USE A DRAINAGE STRUCTURE INLET FILTER ASSEMBLY, CONSISTING OF A FRAME AND FILTER BAG, TO COLLECT SEDIMENT IN THE SURFACE STORMWATER RUNOFF AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR SEPARATELY.



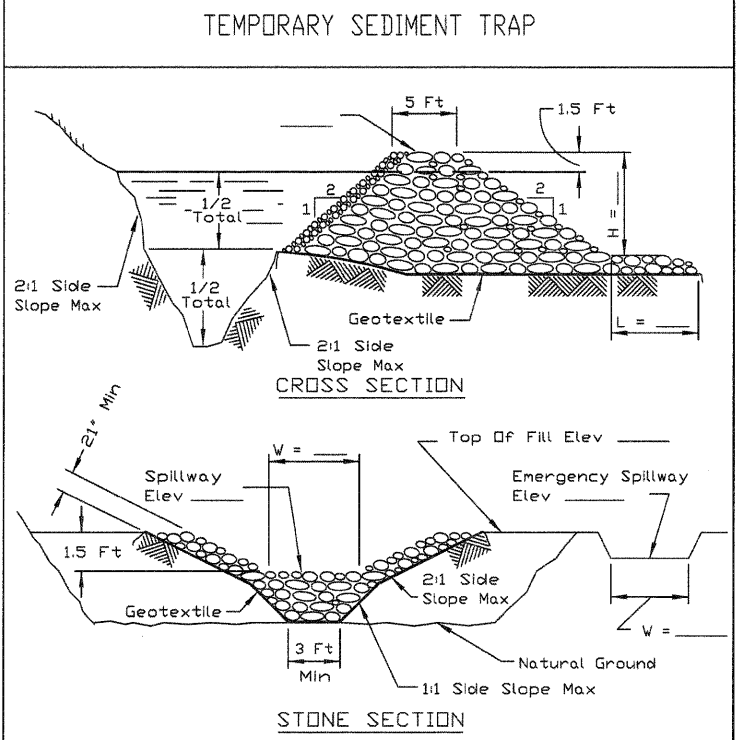
INLET FILTER



TEMPORARY DITCH CHECK



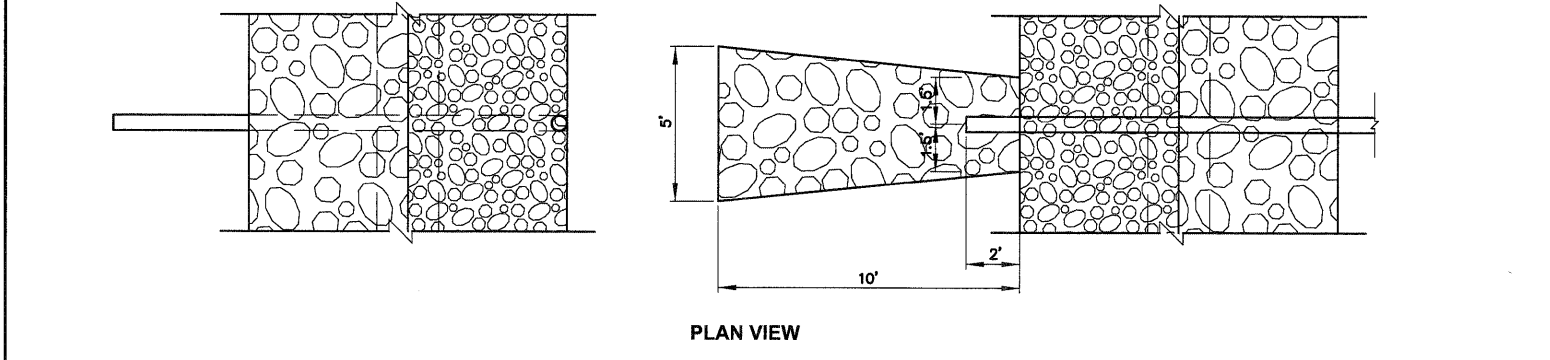
SEDIMENT CONTROL, STONE OUTLET STRUCTURE SEDIMENT TRAP



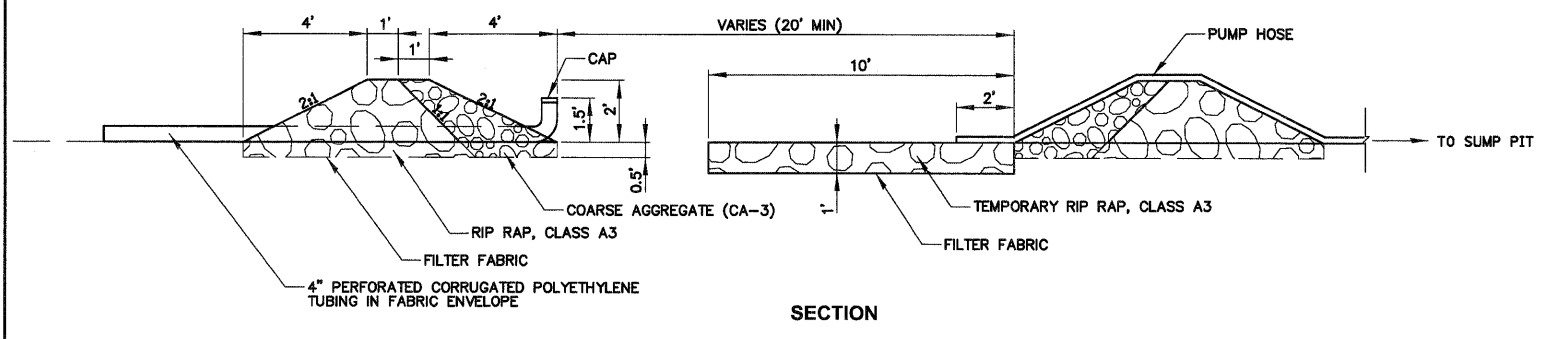
NOTES:
 1. If the sediment pool is formed or enlarged the side slope will be 2:1 or flatter.
 2. The fill shall be constructed using IDOT RR-4 stone size. A 1' layer of IDOT CA-2 should be placed on the inside face to reduce the flow rate.
 3. The rock will be placed according to construction specification 25 ROCKFILL. Placement will be by Method 1 and compaction will be class III.
 4. The geotextile shall meet the requirements in material specification 592 GEOTEXTILE table 1 or 2, class I, II or IV.

REFERENCE Project	Date	 Natural Resources Conservation Service	STANDARD DWG. NO.
Designed	Date		IL-660
Checked	Date		SHEET 1 OF 1
Approved	Date		DATE 11-20-01

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

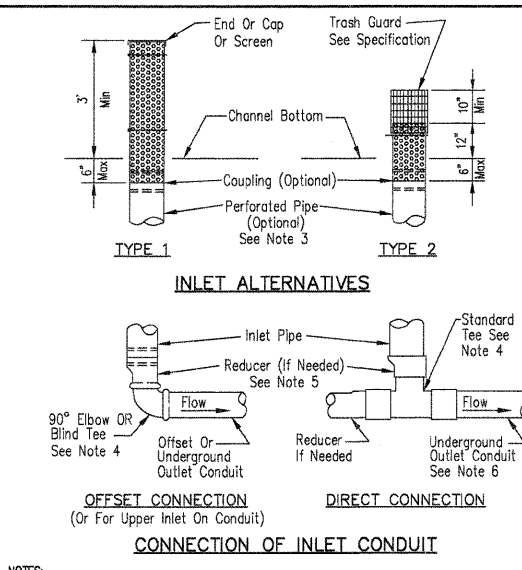


PLAN VIEW



SECTION

TEMPORARY PUMPING BASIN DETAIL
 N.T.S.



INLET ALTERNATIVES

CONNECTION OF INLET CONDUIT

NOTES:
 1. Specification for material and fabrication are as shown.
 2. The above ground portion of the inlet must have holes evenly spaced around the circumference of the pipe as shown in chart.
 3. The below ground portion of the inlet may be perforated with holes 5/16 inch diameter or less to provide drainage around the inlet.
 4. The tee or elbow diameter must be equal to or larger than the diameter of the conduit downstream from the inlet.
 5. Install a reducer immediately above the tee or elbow if the inlet diameter is not equal to the diameter of the tee or elbow.
 6. The underground outlet conduit must be installed deep enough to provide a minimum 24" of cover (after terrace construction) to prevent crushing.

Material Specification
 Inlets may be fabricated from plastic or metal according to the following requirements.
 (a) Plastic pipe Polyvinyl Chloride (PVC) or High Density Polyethylene (PE) pipe with SDR equal to 43 or less.
 (b) Metal pipe: Smooth steel pipe with 3/16" minimum wall thickness or 16 gage corrugated metal pipe (galvanized or aluminum).
FABRICATION:
 Inlet holes shall be smooth and burr free. Holes shall not remove more than 50 percent of material in any horizontal or vertical row or vertical row of holes. For inlets fabricated from metal or smooth plastic, 1" x 4" slots may be used in lieu of 1" diameter holes as long as the openings provide an equal cross-sectional area. Holes larger than 5/16" diameter that are more than 6" below the channel bottom shall be covered with plastic, fiberglass, nylon, gravel or other filter material to prevent soil from entering the inlet. Other combinations of the number and size of holes may be acceptable if approved prior to fabrication. Other materials and method of fabrication may be used for the inlet, tee and other appurtenances as long as the functional intent of the inlet is satisfied and it is approved prior to installation.
ORIFICES:
 Flow may be restricted by use of an orifice plate installed above the tee. It should be firmly supported and able to be removed for maintenance. Orifice plates shall be made from durable plastic or metal. The opening shall be burr free.
TRASH GUARD:
 The trash guard for Type II inlets shall be securely fastened to the inlet. Trash guards may be fabricated from metal rods (1/8" diameter or larger) or galvanized welded wire fabric (16 gage or larger). The spacing between vertical members should be 1" if welded wire fabric is used the spacing between the horizontal members should be 2" (1" if orifice plates are used).

Inlet Diameter Inches	Min No Of 1" Dia. Holes Per Ft. Of Inlet
5	25
6	30
8	40
10	50
12	60

INLET DETAIL FOR UNDERGROUND OUTLETS
 NRCS
 IL-ENG-118R
 SHEET 1 OF 1

450 E Devon Ave, Suite 300
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

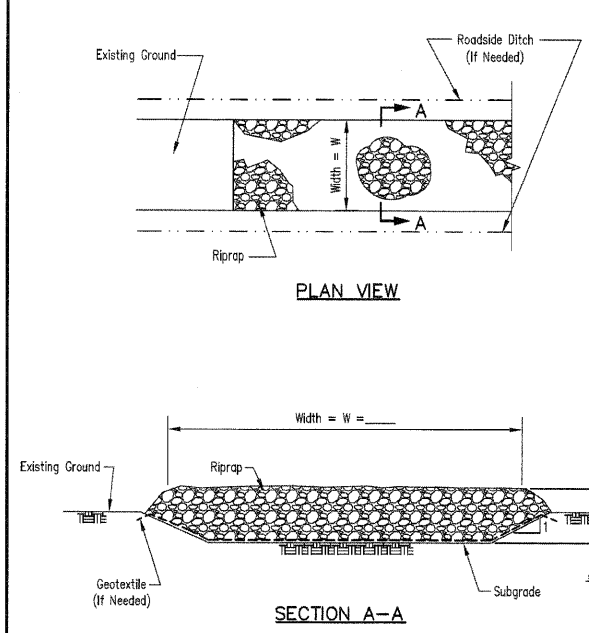
NO SCALE

EROSION CONTROL & LANDSCAPING
 SHEET NO. 4 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	70
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

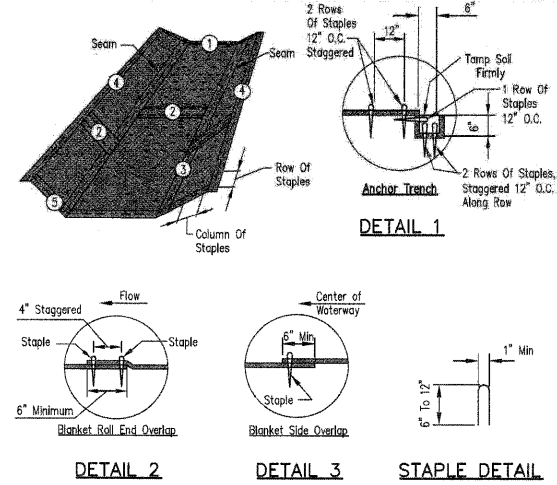
DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

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



NOTES:
 1. Rock shall meet one of the following IDOT coarse aggregate gradations, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 2. See plans for construction road location, D and W dimensions.
 3. Minimum width is 14 feet for one-way traffic and 20 feet for two-way traffic. Two-way traffic widths shall be increased a minimum of 4 feet for trailer traffic. Depending on the type of vehicle or equipment, speed, loads, climatic and other conditions under which vehicles and equipment operate an increase in the minimum widths may be required.
 4. Roadway shall follow the contour of the natural terrain to the extent possible.
 5. Geotextile (non-woven) minimum criteria:
 Weight of Geotextile (oz/sq.yd.) _____ 6
 Tensile strength (lb) ASTM D 4632 _____ 180
 Elongation at failure (%) ASTM D 4632 _____ >50
 Puncture (lb) ASTM D 4833 _____ 80
 Ultraviolet light (% residual tensile strength) ASTM D 4355 _____ min 70
 Apparent opening size (AOS) ASTM D 4751 _____ max 40 sieve
 Permittivity sec⁻¹ ASTM D 4491 _____ min 0.70
 6. Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the abutting downslope geotextile.

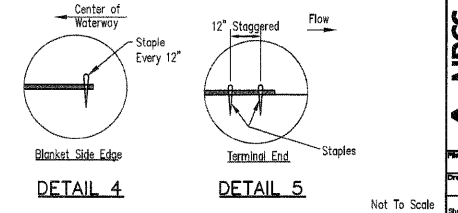
CONSTRUCTION ROAD STABILIZATION
 NCRS
 IL-ENG-58



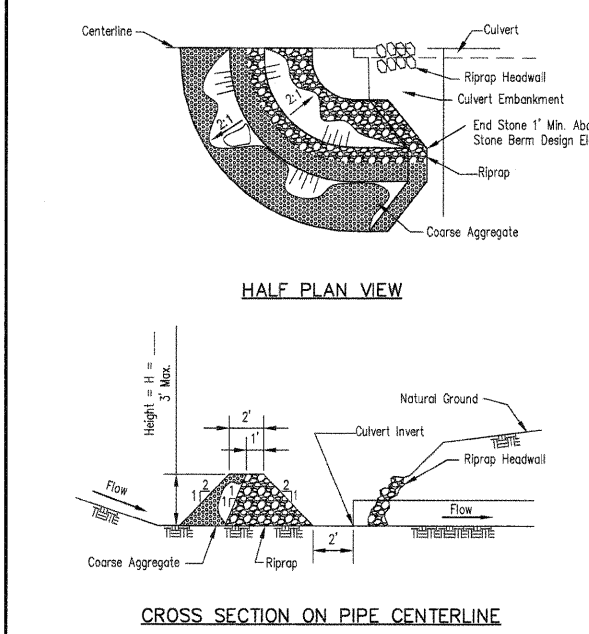
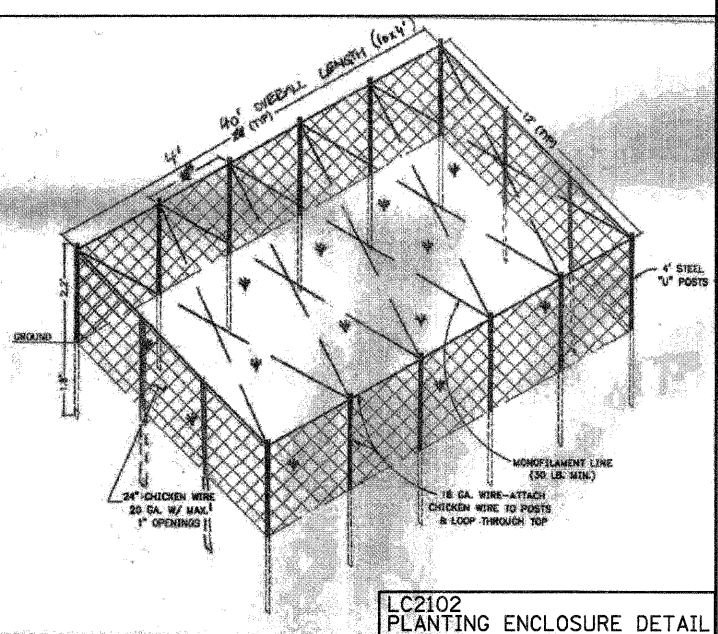
NOTES:
 1. Install erosion control blanket (ECB) over waterway:
 Waterway Width _____ ft
 ECB width _____ ft
 length _____ ft
 Sta. to _____
 2. The erosion control blanket shall consist of a machine produced mat of curled wood or coconut fibers, shall have an expected material life of a least 12 months, shall be new and unused, shall be furnished in rolls, and shall meet the minimum requirements stated in Table 1 below.
 3. Prepare soil prior to installing erosion control blanket, including seeding, fertilizing, and lime application.
 4. The erosion control blanket shall be placed in firm contact with the soil and not be allowed to bridge over surface irregularities. The blanket shall not be stretched.
 5. Start laying the blankets by rolling center blanket in the direction of flow, centered on the centerline of waterway. There shall not be an overlap of blankets at the center of the waterway.
 6. The erosion control blanket shall be anchored, overlapped, and stapled according to manufacturer's instructions. If no manufacturer's instructions are available, install the blanket as follows:
 a. Staples shall be "U" shaped, 0.12 in diameter wire or greater (#11 gauge). See Staple Detail for dimensions.
 b. Bury upstream end of blanket in a trench 6 inch wide by 6 inch deep and stapled in staggered rows across the width as shown in Detail 1.
 c. For joining ends of rolls, overlap end of upslope blanket a minimum of 6 inches over downslope blanket (shingle style). Use a double row of staggered staples 4 inches apart, as shown in Detail 2.
 d. Blankets on side slopes shall overlap a minimum 6 inches over the blanket below (shingle style). Staple overlap at 12 inch intervals. See Detail 3.
 e. The outer edge along sides of the blanket shall be stapled every 12 inches. See Detail 4.
 f. Staples are to be placed alternately in columns (in the direction of the waterway) 2 feet apart and in rows (across the waterway) 3 feet apart, throughout the area covered by erosion blanket.
 g. Downstream (terminal) end of blanket shall be stapled with a double row of staggered staples 12 inches apart. See Detail 5.

TABLE 1. MINIMUM REQUIREMENTS FOR EROSION CONTROL BLANKET

	Coconut Blanket	Wood Fiber Blanket
Type of Fiber	100% coconut fibers	100% curled wood fibers
Weight, lbs/sq. yd.	0.50	0.63
Fiber Length	N/A	80% of fibers > 6 in.
Fiber Dimensions	N/A	0.021 in. x 0.042 in.
	Optional - Top and bottom of blanket may be covered with a max. 5/8" x 5/8" opening size netting, bound to the mat on max. 1.5" centers.	Optional - Top and bottom of blanket may be covered with a max. 5/8" x 5/8" opening size netting

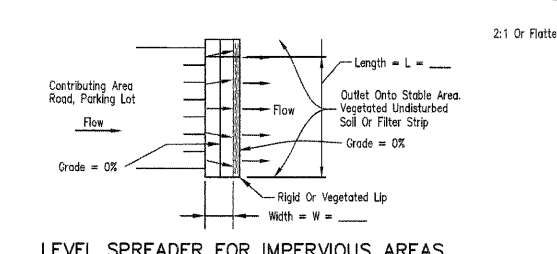
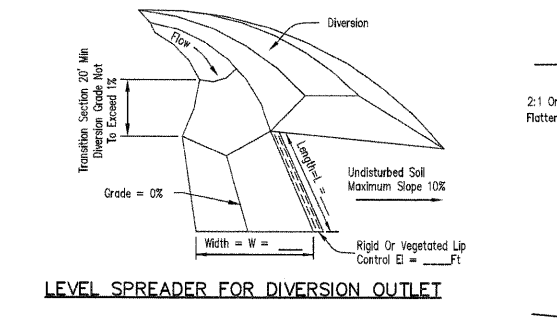


EROSION BLANKET INSTALLATION DETAILS
 NCRS
 IL-ENG-61

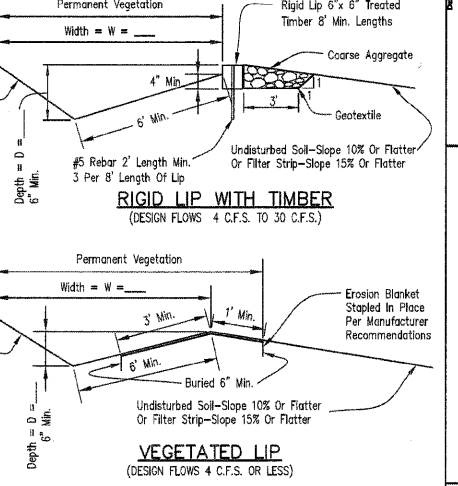


NOTES:
 1. Sediment shall be removed when the sediment has accumulated to one-half the height of the stone berm.
 2. Coarse aggregate shall meet one of the following IDOT coarse aggregate gradations, CA-1, CA-2, CA-3 or CA-4.
 3. Riprap shall meet IDOT gradation RR-3 or RR-4. Any permanent riprap such as for the culvert headwall, shall meet IDOT Quality Designation A.
 4. Coarse aggregate and riprap shall be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 5. The maximum drainage area to the culvert being protected is 3 acres.
 6. See plans for H dimension.
 7. Tie the stone berm into the culvert embankment a minimum of 1 foot above the design elevation of the stone berm.

CULVERT INLET PROTECTION
 NCRS
 IL-ENG-60

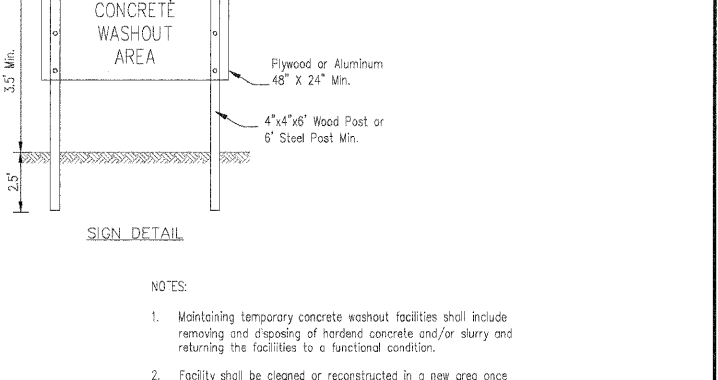
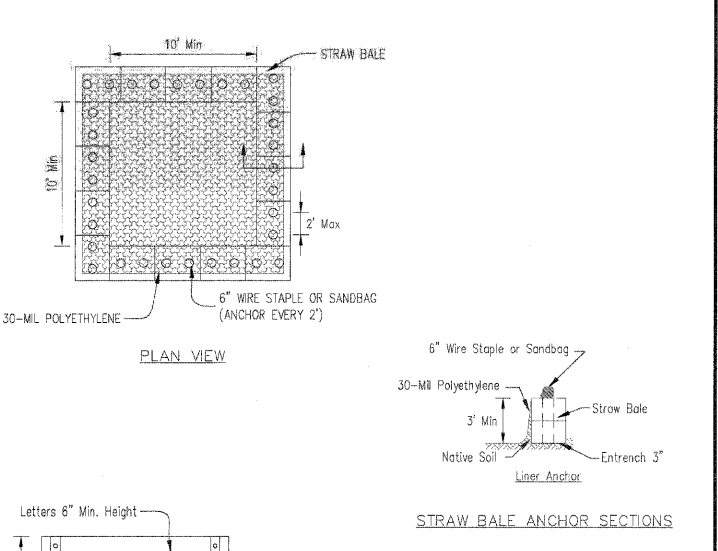


NOTES:
 1. Ends of spreader shall be tied into higher ground to prevent flow around level spreader.
 2. See plans for L and W dimensions.



NOTES:
 1. Coarse aggregate shall meet one of the following IDOT gradations: CA-1 or CA-3.
 2. See plans for permanent seeding requirements.
 3. See plans for D and W dimensions.
 4. Geotextile (non-woven) minimum criteria:
 Weight of Geotextile (oz/sq.yd.) _____ 6
 Tensile strength (lb) ASTM D 4632 _____ 180
 Elongation at failure (%) ASTM D 4632 _____ >50
 Puncture (lb) ASTM D 4833 _____ 80
 Ultraviolet light ASTM D 4355 _____ min 70
 Apparent opening size (AOS) ASTM D 4751 _____ max 40 sieve
 Permittivity sec⁻¹ ASTM D 4491 _____ 0.70

LEVEL SPREADER
 NCRS
 IL-ENG-62



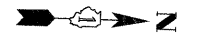
NOTES:
 1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
 2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
 3. Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE
 NCRS
 IL-ENG-63

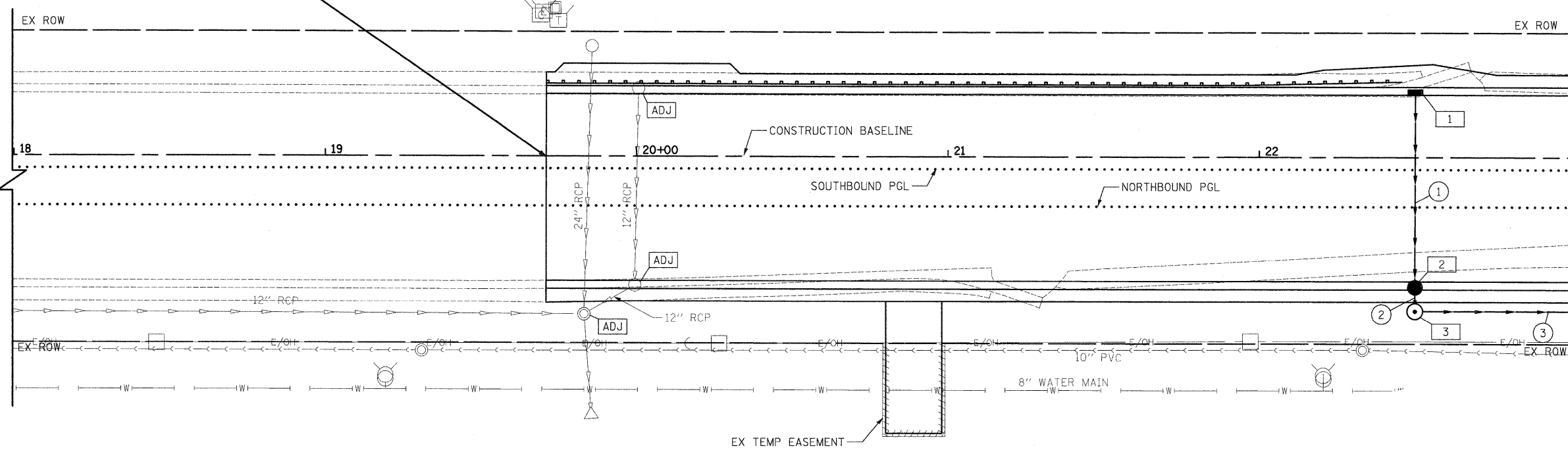
DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

- 1 STA 22+50, 21.1' LT
INLETS TA T24F&G
RIM = 810.68
INV = 806.68 (E)
- 2 STA 22+50, 41.9' RT
CB TA 4 DIA T24F&G
RIM = 810.68
INV = 806.38 (W)
INV = 806.28 (E)
- 3 STA 22+50, 49.5' RT
MAN TA 4 DIA T1F CL
RIM = 812.01
INV = 806.26 (W)
INV = 806.16 (N)
- 1 60' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 10 CU YD
- 2 4' - STORM SEW CL A 1, 15" @ 0.50%
TBF = 1 CU YD
- 3 246' - STORM SEW CL A 1, 15" @ 0.44%



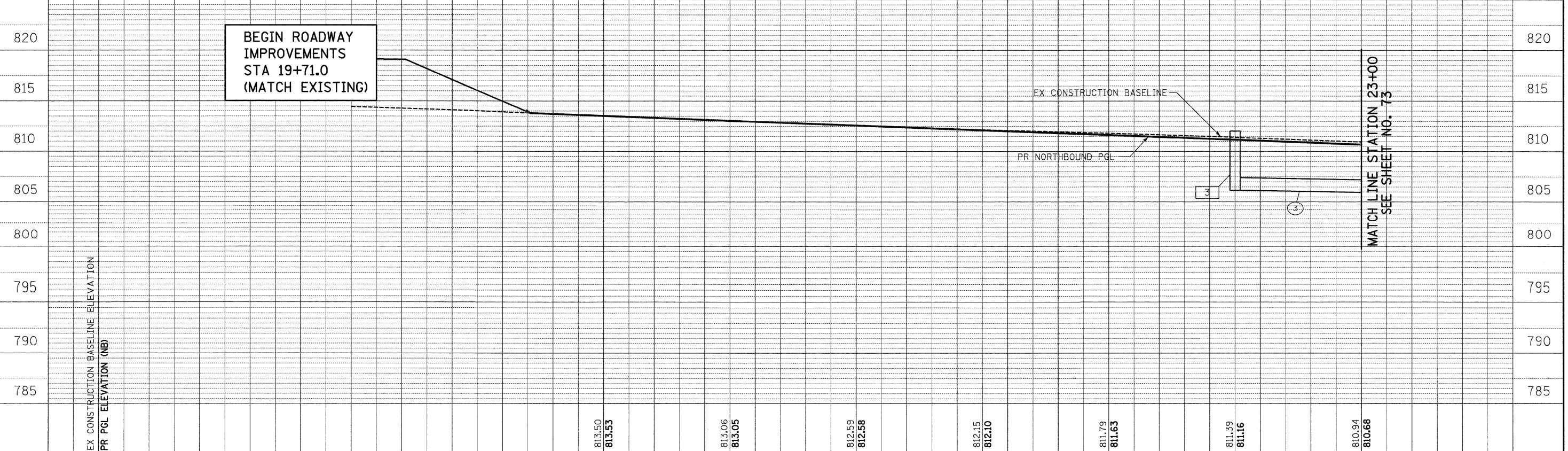
BEGIN ROADWAY IMPROVEMENTS STA 19+71.0 (MATCH EXISTING)



MATCH LINE STATION 23+00
SEE SHEET NO. 73

QUENTIN ROAD

BEGIN ROADWAY IMPROVEMENTS STA 19+71.0 (MATCH EXISTING)

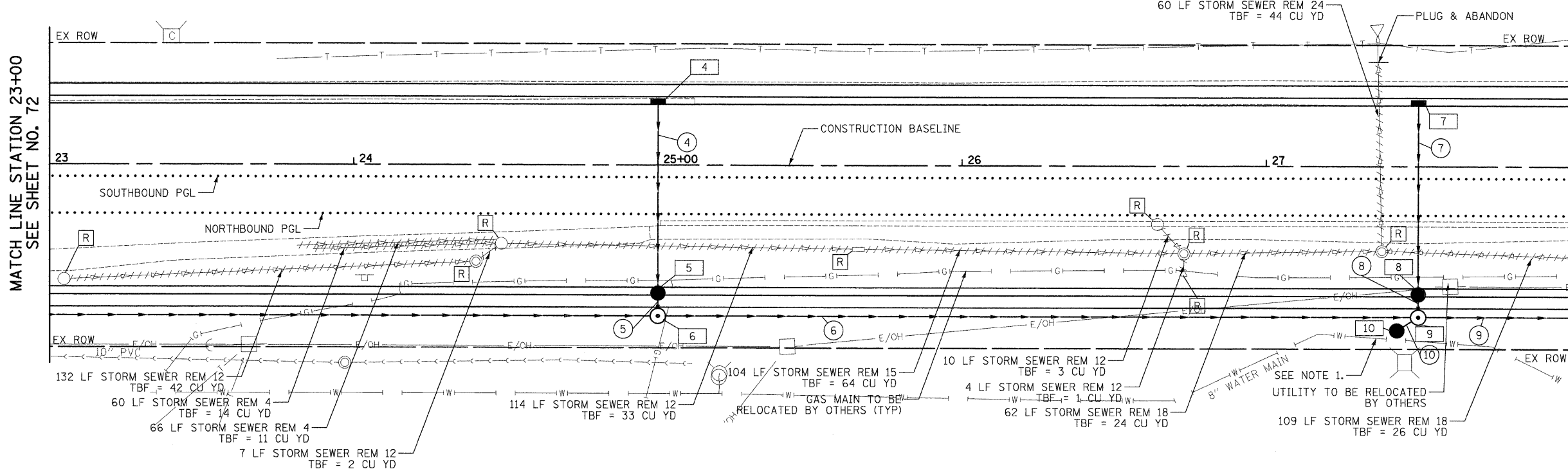


MATCH LINE STATION 23+00
SEE SHEET NO. 73

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

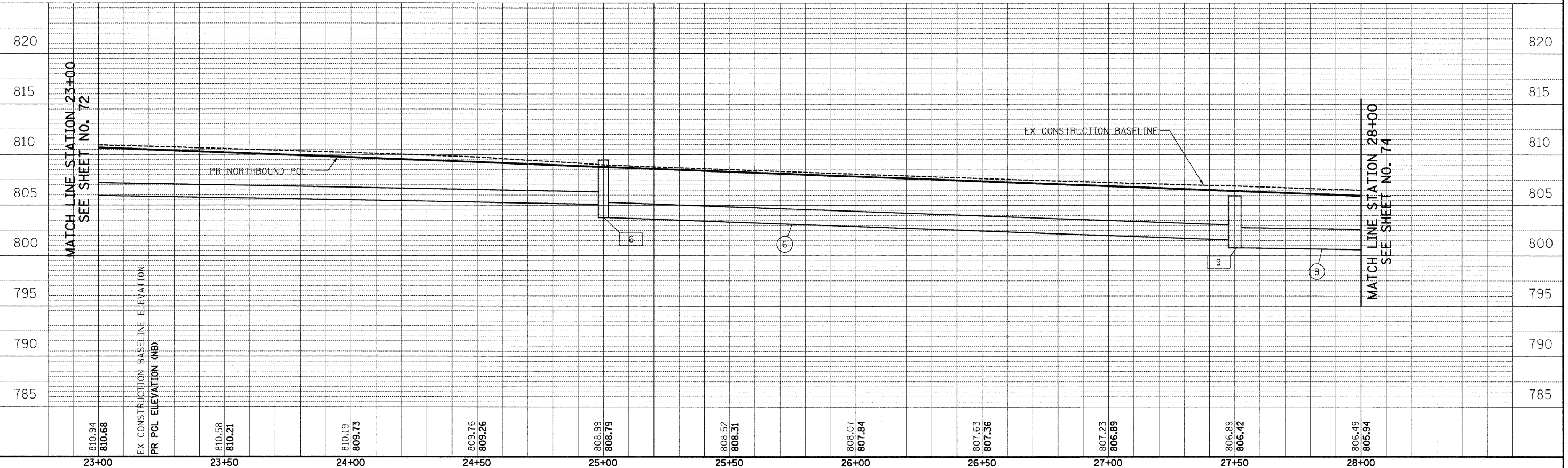
DATE	
BY	
NO.	
ORIGINAL SURVEY	
SURVEY	
PIOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

- 4 STA 25+00, 21.1' LT INLETS TA T24F&G RIM = 808.31 INV = 804.80 (E)
- 5 STA 25+00, 41.9' RT CB TA 4 DIA T24F&G RIM = 808.32 INV = 804.50 (W) INV = 804.34 (E)
- 6 STA 25+00, 49.5' RT MAN TA 4 DIA T1F CL RIM = 809.47 INV = 804.32 (W) INV = 805.08 (S) INV = 803.77 (N)
- 7 STA 27+50, 21.1' LT INLETS TA T24F&G RIM = 805.94 INV = 802.18 (E)
- 8 STA 27+50, 41.9' RT CB TA 4 DIA T24F&G RIM = 806.00 INV = 801.88 (W) INV = 801.78 (E)
- 9 STA 27+50, 49.5' RT MAN TA 6 DIA T1F CL RIM = 805.92 INV = 801.76 (W) INV = 801.56 (S) INV = 800.77 (N) INV = 802.52 (SE)
- 10 STA 27+43, 53.9' RT CB TC T8G RIM = 805.60 INV = 802.54 (NW)
- 4 60' - STORM SEW CL A 1, 12" @ 0.50% TBF = 8 CU YD
- 5 4' - STORM SEW CL A 1, 15" @ 0.50% TBF = 1 CU YD
- 6 246' - STORM SEW CL A 1, 18" @ 0.90%
- 7 60' - STORM SEW CL A 1, 12" @ 0.50% TBF = 9 CU YD
- 8 4' - STORM SEW CL A 1, 15" @ 0.50% TBF = 1 CU YD
- 9 86' - STORM SEW CL A 1, 24" @ 0.35%
- 10 4' - STORM SEW CL A 1, 12" @ 0.50%



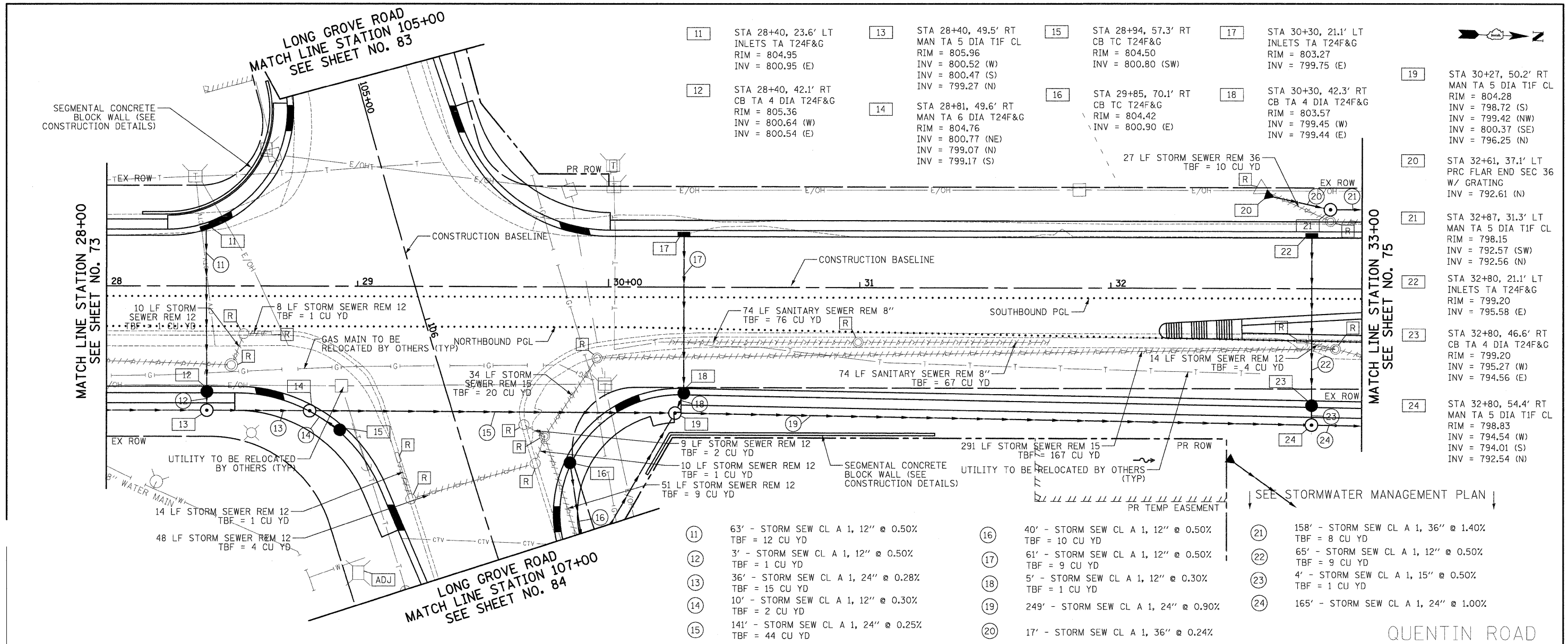
NOTE:
 1. THE 8" WATER MAIN SHALL BE RELOCATED IF THE CONFLICT EXISTS WITH THE PROPOSED STORM SEWER. THIS WORK SHALL BE PAID FOR AS REMOVE AND RELOCATE WATER MAIN, 8".

QUENTIN ROAD



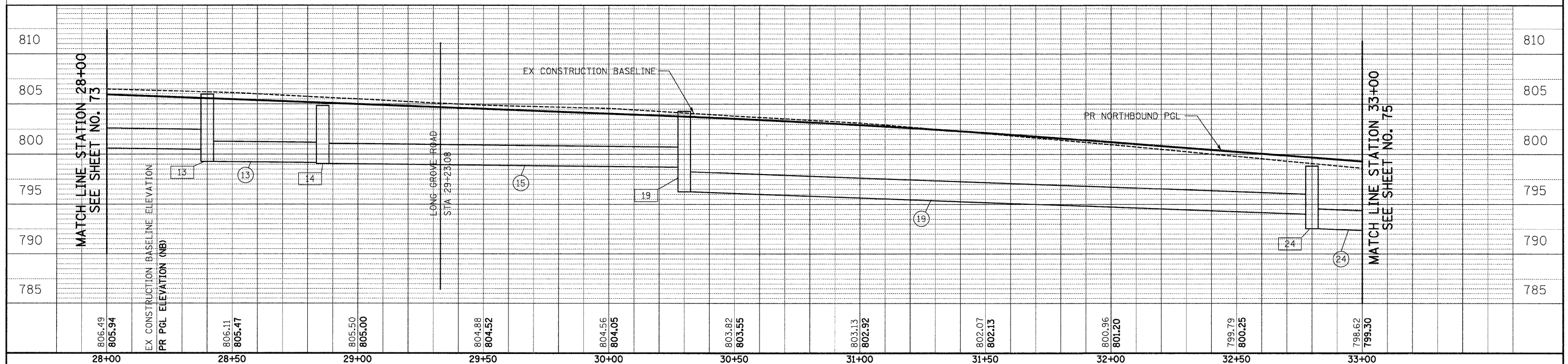
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



- 11 STA 28+40, 23.6' LT INLETS TA T24F&G RIM = 804.95 INV = 800.95 (E)
- 12 STA 28+40, 42.1' RT CB TA 4 DIA T24F&G RIM = 805.36 INV = 800.64 (W) INV = 800.54 (E)
- 13 STA 28+40, 49.5' RT MAN TA 5 DIA T1F CL RIM = 805.96 INV = 800.52 (W) INV = 800.47 (S) INV = 799.27 (N)
- 14 STA 28+81, 49.6' RT MAN TA 6 DIA T24F&G RIM = 804.76 INV = 800.77 (NE) INV = 799.07 (N) INV = 799.17 (S)
- 15 STA 28+94, 57.3' RT CB TC T24F&G RIM = 804.50 INV = 800.80 (SW)
- 16 STA 29+85, 70.1' RT CB TC T24F&G RIM = 804.42 INV = 800.90 (E)
- 17 STA 30+30, 21.1' LT INLETS TA T24F&G RIM = 803.27 INV = 799.75 (E)
- 18 STA 30+30, 42.3' RT CB TA 4 DIA T24F&G RIM = 803.57 INV = 799.45 (W) INV = 799.44 (E)
- 19 STA 30+27, 50.2' RT MAN TA 5 DIA T1F CL RIM = 804.28 INV = 798.72 (S) INV = 799.42 (NW) INV = 800.37 (SE) INV = 796.25 (N)
- 20 STA 32+61, 37.1' LT PRC FLAR END SEC 36 W/ GRATING INV = 792.61 (N)
- 21 STA 32+87, 31.3' LT MAN TA 5 DIA T1F CL RIM = 798.15 INV = 792.57 (SW) INV = 792.56 (N)
- 22 STA 32+80, 21.1' LT INLETS TA T24F&G RIM = 799.20 INV = 795.58 (E)
- 23 STA 32+80, 46.6' RT CB TA 4 DIA T24F&G RIM = 799.20 INV = 795.27 (W) INV = 794.56 (E)
- 24 STA 32+80, 54.4' RT MAN TA 5 DIA T1F CL RIM = 798.83 INV = 794.54 (W) INV = 794.01 (S) INV = 792.54 (N)

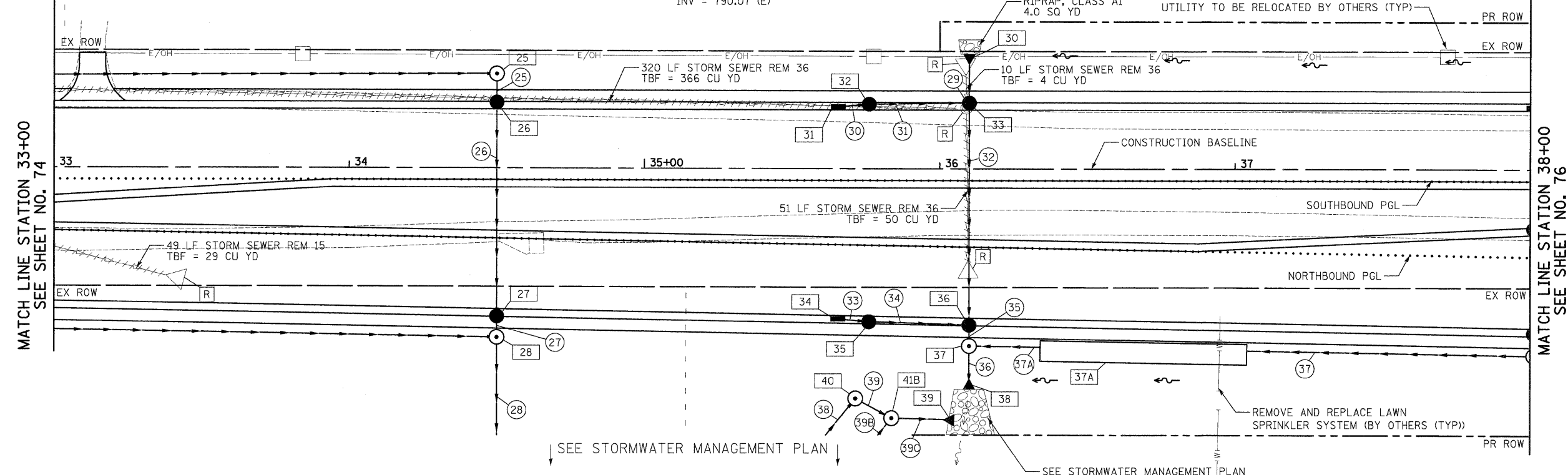
- 11 63' - STORM SEW CL A 1, 12" @ 0.50% TBF = 12 CU YD
- 12 3' - STORM SEW CL A 1, 12" @ 0.50% TBF = 1 CU YD
- 13 36' - STORM SEW CL A 1, 24" @ 0.28% TBF = 15 CU YD
- 14 10' - STORM SEW CL A 1, 12" @ 0.30% TBF = 2 CU YD
- 15 141' - STORM SEW CL A 1, 24" @ 0.25% TBF = 44 CU YD
- 16 40' - STORM SEW CL A 1, 12" @ 0.50% TBF = 10 CU YD
- 17 61' - STORM SEW CL A 1, 12" @ 0.50% TBF = 9 CU YD
- 18 5' - STORM SEW CL A 1, 12" @ 0.30% TBF = 1 CU YD
- 19 249' - STORM SEW CL A 1, 24" @ 0.90% TBF = 167 CU YD
- 20 17' - STORM SEW CL A 1, 36" @ 0.24% TBF = 1 CU YD
- 21 158' - STORM SEW CL A 1, 36" @ 1.40% TBF = 8 CU YD
- 22 65' - STORM SEW CL A 1, 12" @ 0.50% TBF = 9 CU YD
- 23 4' - STORM SEW CL A 1, 15" @ 0.50% TBF = 1 CU YD
- 24 165' - STORM SEW CL A 1, 24" @ 1.00% TBF = 1 CU YD



DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

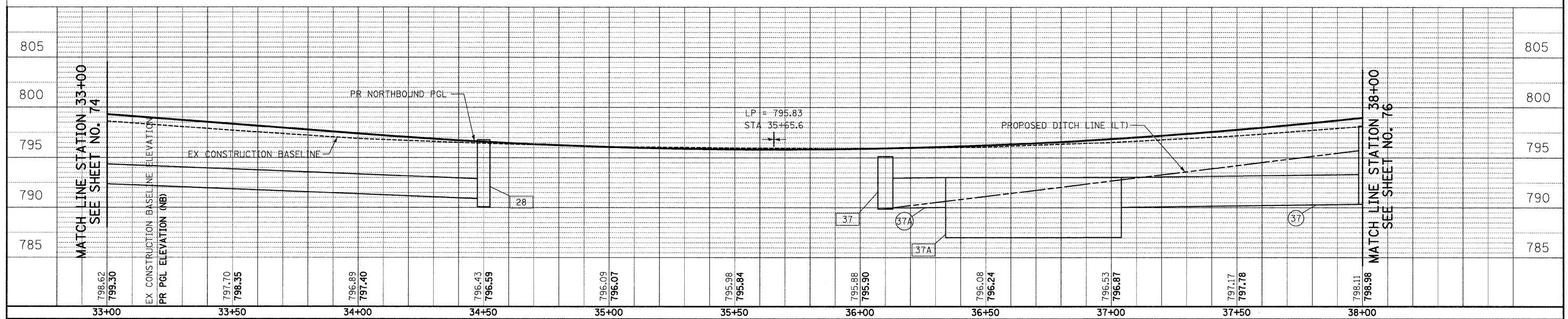
- 25 STA 34+50, 32.0' LT MAN TA 5 DIA TIF CL RIM = 795.34 INV = 790.35 (S) INV = 790.24 (E)
- 26 STA 34+50, 22.4' LT CB TA 5 DIA T24F&G RIM = 796.11 INV = 790.23 (W) INV = 790.22 (E)
- 27 STA 34+50, 50.1' RT CB TA 5 DIA T24F&G RIM = 796.11 INV = 790.09 (W) INV = 790.08 (E)
- 28 STA 34+50, 57.2' RT MAN TA 5 DIA TIF CL RIM = 796.95 INV = 790.07 (W) INV = 790.07 (E) INV = 790.89 (S)
- 29 SEE STORMWATER MANAGEMENT PLAN
- 30 STA 36+10, 39.0' LT PRC FLAR END SEC 36 W/ GRATING INV = 790.07 (E)
- 31 STA 35+65.6, 21.1' LT INLETS TA T24F&G RIM = 795.38 INV = 791.38 (N)
- 32 STA 35+76, 21.9' LT CB TA 4 DIA T24F&G RIM = 795.39 INV = 791.34 (S) INV = 790.30 (N)
- 33 STA 36+10, 22.4' LT CB TA 5 DIA T24F&G RIM = 795.49 INV = 790.04 (E) INV = 790.04 (W) INV = 790.14 (S)
- 34 STA 35+65.6, 50.8' RT INLETS TA T24F&G RIM = 795.38 INV = 791.38 (N)
- 35 STA 35+76, 51.7' RT CB TA 4 DIA T24F&G RIM = 795.39 INV = 791.34 (S) INV = 790.23 (N)



- 25 5' - STORM SEW CL A 1, 36" @ 0.20% TBF = 1 CU YD
- 26 68' - STORM SEW CL A 1, 36" @ 0.20% TBF = 20 CU YD
- 27 3' - STORM SEW CL A 1, 36" @ 0.20% TBF = 1 CU YD
- 28 41' - STORM SEW CL A 1, 36" @ 0.17%
- 29 7' - STORM SEW CL A 1, 36" @ 0.20% TBF = 1 CU YD
- 30 8' - STORM SEW CL A 1, 12" @ 0.50% TBF = 2 CU YD
- 31 30' - STORM SEW CL A 1, 12" @ 0.50% TBF = 9 CU YD
- 32 71' - STORM SEW CL A 1, 36" @ 0.20% TBF = 15 CU YD
- 33 8' - STORM SEW CL A 1, 12" @ 0.50% TBF = 2 CU YD
- 34 30' - STORM SEW CL A 1, 12" @ 0.50% TBF = 9 CU YD
- 35 2' - STORM SEW CL A 1, 36" @ 0.50% TBF = 1 CU YD
- 36 4' - STORM SEW CL A 1, 42" @ 0.20%
- 37 95' - STORM SEW CL A 1, 36" @ 0.30%
- 37A 22' - STORM SEW CL A 1, 36" @ 0.30%
- 38 SEE STORMWATER MANAGEMENT PLAN
- 39 SEE STORMWATER MANAGEMENT PLAN
- 39B SEE STORMWATER MANAGEMENT PLAN
- 39C SEE STORMWATER MANAGEMENT PLAN

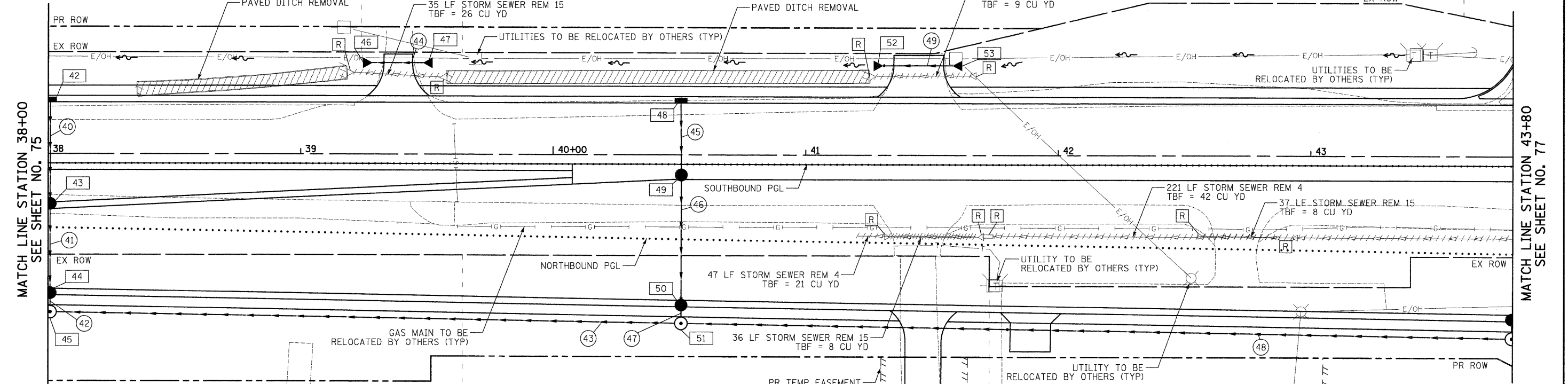
- 36 STA 36+10, 52.8' RT CB TA 5 DIA T24F&G RIM = 795.49 INV = 789.89 (W) INV = 789.88 (E) INV = 790.08 (S)
- 37 STA 36+10, 59.9' RT MAN TA 6 DIA TIF CL RIM = 795.13 INV = 789.97 (N) INV = 789.87 (W) INV = 789.86 (E)
- 37A STA 36+69, 62.1' RT STORM WATER TRTMT SYS INV = 790.03 (S) INV = 790.03 (N)
- 38 STA 36+10, 74.6' RT PRC FLAR END SEC 42 W/ GRATING INV = 789.85 (W)
- 39 SEE STORMWATER MANAGEMENT PLAN
- 40 SEE STORMWATER MANAGEMENT PLAN
- 41B SEE STORMWATER MANAGEMENT PLAN

QUENTIN ROAD

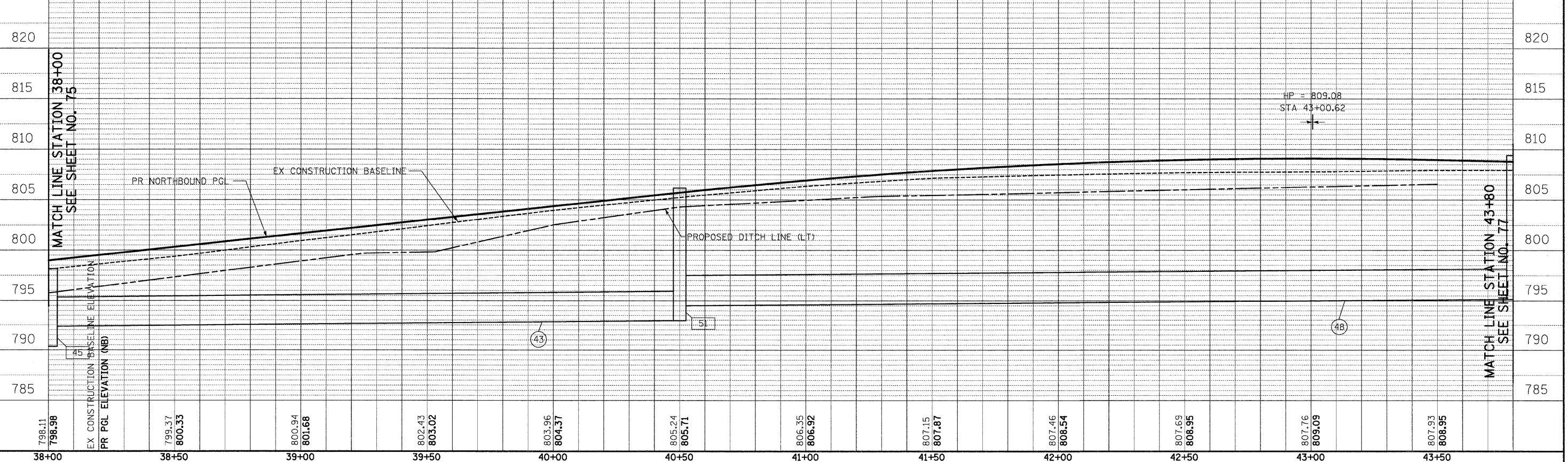


	450 E Devon Ave, Suite 300 Itasca, Illinois 60143 Tel: 630.773.3900 Fax: 630.773.3975 www.civiltechinc.com	DESIGNED - JRR DRAWN - JRR CHECKED - RTM DATE - 10/24/2011	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VERT. 0 HORIZ. 0	SCALES 5 10 20 40	DRAINAGE AND UTILITY SHEET NO. 4 OF 14 SHEETS STA. 33+00 TO STA. 38+00	F.A.U. R.T.E. 364 SECTION 02-00051-08-WR COUNTY LAKE TOTAL SHEETS 188 SHEET NO. 75 CONTRACT NO. 63649 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
--	---	---	--	---	---------------------	-------------------------	--	---

- 42 STA 38+01, 21.1' LT INLETS TA T24F&G RIM = 798.53 INV = 794.53 (E)
- 43 STA 38+01, 20.1' RT CB TA 4 DIA T24F&G RIM = 799.12 INV = 794.34 (W) INV = 794.24 (E)
- 44 STA 38+01, 55.6' RT CB TA 4 DIA T24F&G RIM = 798.53 INV = 794.08 (W) INV = 792.36 (E)
- 45 STA 38+01, 63.1' RT MAN TA 5 DIA T1F CL RIM = 798.16 INV = 792.34 (W) INV = 790.34 (S) INV = 792.34 (N)
- 46 STA 39+25, 35.6' LT PRC FLAR END SEC 15 RIM = 799.70 (S)
- 47 STA 39+52.5, 35.6' LT PRC FLAR END SEC 15 RIM = 799.70 (S) INV = 799.84 (N)
- 48 STA 40+50, 21.1' LT INLET TA T24F&G RIM = 805.23 INV = 801.25 (E)
- 49 STA 40+50, 8.2' RT CB TA 4 DIA T11VF&G RIM = 805.71 INV = 800.47 (W) INV = 798.47 (E)
- 50 STA 40+50, 59.9' RT CB TA 4 DIA T24F&G RIM = 805.23 INV = 797.00 (W) INV = 795.00 (E)
- 51 STA 40+50, 67.2' RT MAN TA 5 DIA T1F CL RIM = 806.29 INV = 794.94 (W) INV = 792.95 (S) INV = 794.50 (N)
- 52 STA 41+27, 34.9' LT PRC FLAR END SEC 15 RIM = 805.33 (S)
- 53 STA 41+62, 34.9' LT PRC FLAR END SEC 15 RIM = 805.50 (N)



- 40 39' - STORM SEW CL A 1, 12" @ 0.50% TBF = 8 CU YD
- 41 32' - STORM SEW CL A 1, 12" @ 0.50% TBF = 7 CU YD
- 42 4' - STORM SEW CL A 1, 15" @ 0.50% TBF = 1 CU YD
- 43 245' - STORM SEW CL A 1, 36" @ 0.25%
- 44 16' - STORM SEW CL A 1, 15" @ 0.90% TBF = 2 CU YD
- 45 26' - STORM SEW CL A 1, 12" @ 3.00% TBF = 6 CU YD
- 46 49' - STORM SEW CL A 1, 12" @ 3.00% TBF = 42 CU YD
- 47 3' - STORM SEW CL A 1, 12" @ 2.00% TBF = 2 CU YD
- 48 324' - STORM SEW CL A 1, 36" @ 0.20% TBF = 52 CU YD
- 49 24' - STORM SEW CL A 1, 15" @ 0.60% TBF = 3 CU YD



798.11 798.98	799.37 800.33	800.94 801.68	802.43 803.02	803.96 804.37	805.24 805.71	806.35 806.92	807.15 807.87	807.46 808.54	807.69 808.95	807.76 808.09	807.93 808.95
38+00	38+50	39+00	39+50	40+00	40+50	41+00	41+50	42+00	42+50	43+00	43+50

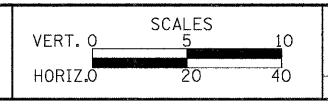
DATE	
BY	
FINAL SURVEY	
SUBMITTED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

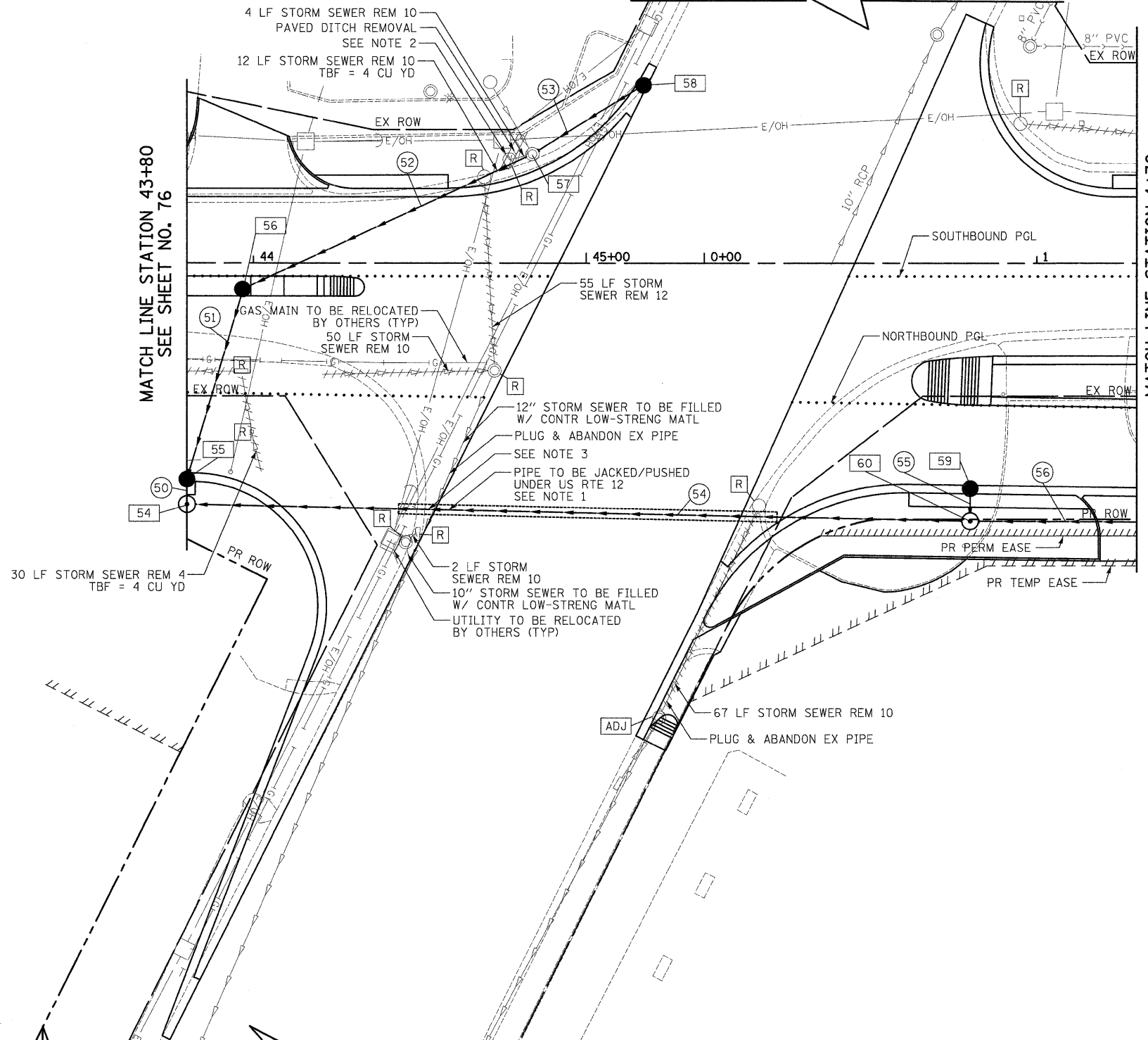


DRAINAGE AND UTILITY
SHEET NO. 5 OF 14 SHEETS STA. 38+00 TO STA. 43+80

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	76
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

- 54 STA 43+80, 72.6' RT
MAN TA 5 DIA T1F CL
RIM = 809.40
INV = 797.15 (W)
INV = 795.15 (S)
INV = 796.15 (N)
- 55 STA 43+80, 65.1' RT
CB TA 4 DIA T24F&G
RIM = 808.26
INV = 798.83 (NW)
INV = 797.21 (E)
- 56 STA 43+96.7, 7.9' RT
CB TA 4 DIA T11VF&G
RIM = 808.30
INV = 801.67 (NW)
INV = 799.67 (SE)
- 57 STA 44+84, 32.8' LT
MAN RECON NEW TIF OL
RIM = 808.15
INV = 803.40 (NW)
INV = 803.3 (SE)
INV = 803.9 (SW)
- 58 STA 45+18, 53.2' LT
CB TC T24F&G
RIM = 807.43
INV = 803.59 (SE)

- 59 STA 0+81, 67.8' RT
CB TC T24F&G
RIM = 807.25
INV = 798.65 (E)
- 60 STA 0+81, 77.6' RT
MAN TA 5 DIA T1F CL
RIM = 807.52
INV = 798.61 (W)
INV = 796.61 (S)
INV = 796.71 (N)
- 61 NUMBER NOT USED



- 50 4' - STORM SEW CL A 1, 12" @ 1.50%
TBF = 2 CU YD
- 51 56' - STORM SEW CL A 1, 12" @ 1.50%
TBF = 59 CU YD
- 52 93' - STORM SEW CL A 1, 12" @ 1.75%
TBF = 26 CU YD
- 53 37' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 2 CU YD
- 54 112' - STORM SEWERS JKD 36 @ 0.20"
119' - STORM SEW CL A 1, 36" @ 0.20%
TBF = 124 CU YD
- 55 7' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 4 CU YD
- 56 170' - STORM SEW CL A 1, 36" @ 0.20%
TBF = 59 CU YD

- NOTE:
- PESA STUDY PERFORMED ON CITGO PROPERTY CORNER DATED 3/23/2005. PRELIMINARY INVESTIGATION/REPORT AVAILABLE FOR REVIEW AT THE LCDOT.
 - EXISTING PIPE/TILE DRAIN TO BE MAINTAINED. CONNECTION TO PROPOSED SEWER INCIDENTAL TO CONTRACT.
 - AT THE DIRECTION OF THE RESIDENT ENGINEER, A TEST HOLE SHALL BE EXCAVATED PRIOR TO PIPE JACKING.

QUENTIN ROAD

EX CONSTRUCTION BASELINE ELEVATION	PR PGL ELEVATION (NB)	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION
805		44+00	807.94	44+50	808.42	45+00	808.16	0+00	807.97	0+50	807.71	1+00	807.44	805	
800														800	
795														795	

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

DESIGNED - JRR
DRAWN - JRR
CHECKED - RTM
DATE - 10/24/2011

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

VERT. 0
HORIZ. 0

SCALES
5 10
20 40

DRAINAGE AND UTILITY

SHEET NO. 6 OF 14 SHEETS STA. 43+80 TO STA. 1+30

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	77
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63649

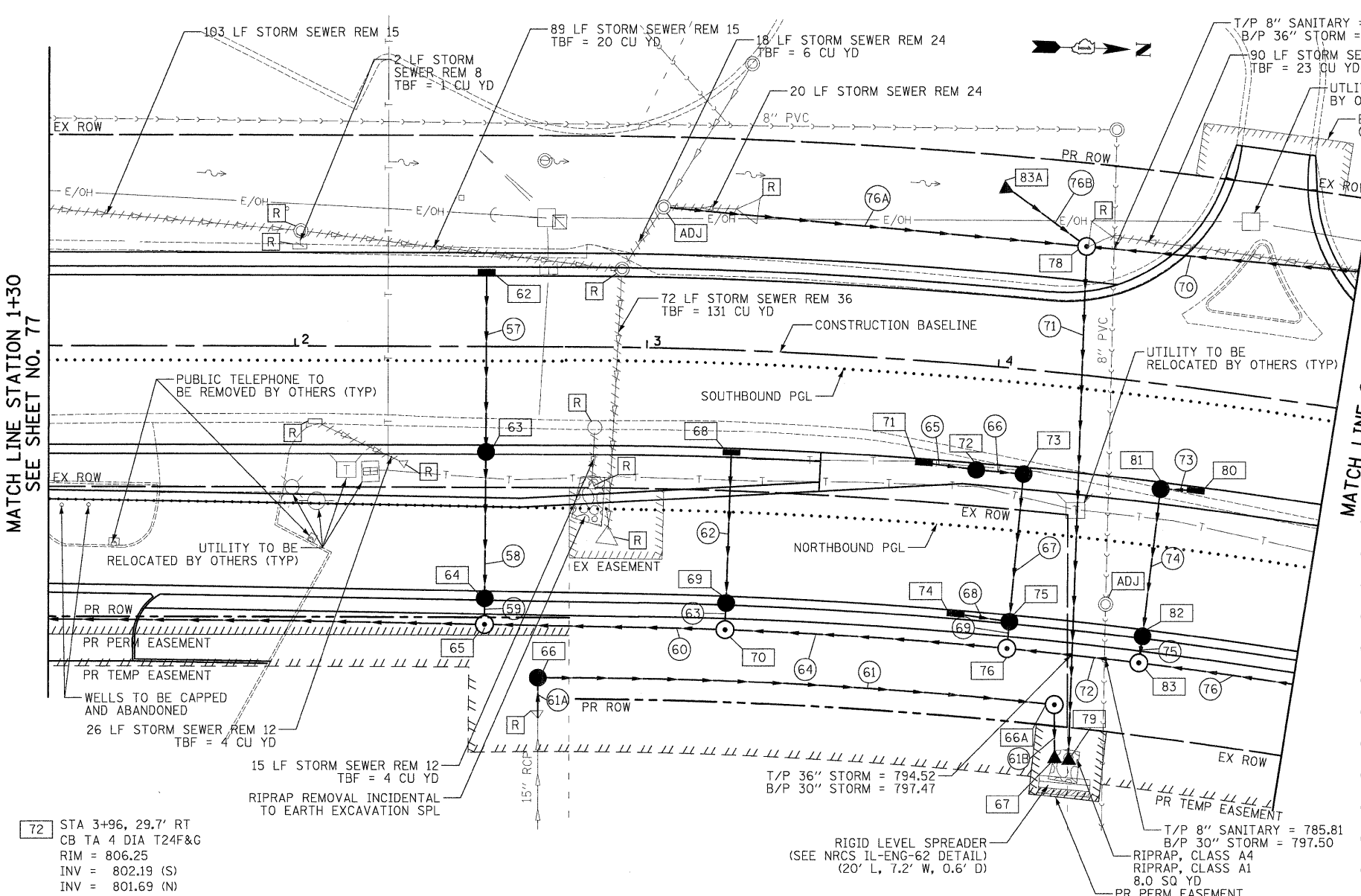
DATE	
BY	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS	
CHECKED	
NO.	

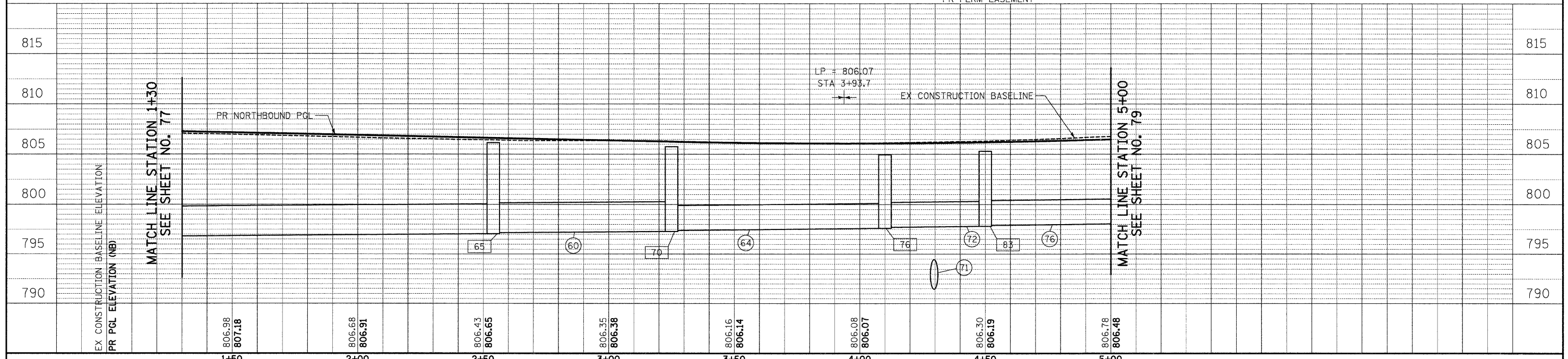
DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
NO.	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
NO.	

- 62 STA 2+54, 21.1' LT
INLETS TA T24F&G
RIM = 806.75
INV = 802.75 (E)
- 63 STA 2+54, 29.8' RT
CB TA 4 DIA T24F&G
RIM = 806.63
INV = 802.51 (W)
INV = 800.51 (E)
- 64 STA 2+54, 71.6' RT
CB TA 4 DIA T24F&G
RIM = 806.15
INV = 800.32 (W)
INV = 798.32 (E)
- 65 STA 2+54, 79.0' RT
MAN TA 5 DIA T1F CL
RIM = 806.14
INV = 798.30 (W)
INV = 797.05 (S)
INV = 797.16 (N)
- 66 STA 2+69, 94.0' RT
CB TA 4 DIA T8C
RIM = 804.38
INV = 799.71 (E)
INV = 797.71 (N)
- 66A STA 4+26, 94.0' RT
MAN TA 4 DIA T1F CL
RIM = 799.97
INV = 791.99 (S)
INV = 791.52 (E)
- 67 STA 4+28.0, 110.5' RT
PRC FLAR END SEC 18
INV = 791.16
- 68 STA 3+25, 29.1' RT
INLETS TA T24F&G
RIM = 806.33
INV = 802.33 (E)
- 69 STA 3+25, 71.9' RT
CB TA 4 DIA T24F&G
RIM = 805.60
INV = 801.33 (W)
INV = 799.33 (E)
- 70 STA 3+25, 79.5' RT
MAN TA 5 DIA T1F CL
RIM = 805.74
INV = 799.23 (W)
INV = 797.28 (S)
INV = 797.38 (N)
- 71 STA 3+81.5, 29.0' RT
INLETS TA T24F&G
RIM = 806.25
INV = 802.25 (S)
INV = 802.25 (N)
- 72 STA 3+96, 29.7' RT
CB TA 4 DIA T24F&G
RIM = 806.25
INV = 802.19 (S)
INV = 801.69 (N)
- 73 STA 4+10, 29.7' RT
CB TA 4 DIA T24F&G
RIM = 806.26
INV = 801.64 (S)
INV = 801.14 (E)
- 74 STA 3+93.7, 71.1' RT
INLETS TA T24F&G
RIM = 805.24
INV = 801.24 (N)
- 75 STA 4+10, 71.9' RT
CB TA 4 DIA T24F&G
RIM = 805.24
INV = 800.95 (W)
INV = 799.18 (E)
INV = 801.18 (S)
- 76 STA 4+10, 79.5' RT
MAN TA 5 DIA T1F CL
RIM = 804.95
INV = 799.16 (W)
INV = 797.61 (S)
INV = 797.71 (N)
- 77 NUMBER NOT USED
- 78 STA 4+21.4, 36.3' LT
MAN TA 5 DIA T1F CL
RIM = 806.85
INV = 801.03 (N)
INV = 792.53 (E)
INV = 800.05 (S)
INV = 803.19 (SW)
- 79 STA 4+32.4, 110.5' RT
PRC FLAR END SEC 36
W/ GRATING
INV = 791.16
- 80 STA 4+60, 29.0' RT
INLETS TA T24F&G
RIM = 806.42
INV = 802.42 (S)
- 81 STA 4+50, 29.6' RT
CB TA 4 DIA T24F&G
RIM = 806.37
INV = 802.39 (N)
INV = 800.89 (E)
- 82 STA 4+50, 71.9' RT
CB TA 4 DIA T24F&G
RIM = 805.35
INV = 800.69 (W)
INV = 799.19 (E)
- 83 STA 4+50, 79.5' RT
MAN TA 5 DIA T1F CL
RIM = 805.29
INV = 799.17 (W)
INV = 797.81 (S)
INV = 797.90 (N)
- 83A STA 3+97, 51.6' LT
PRC FLAR END SEC 12
INV = 803.88 (N)

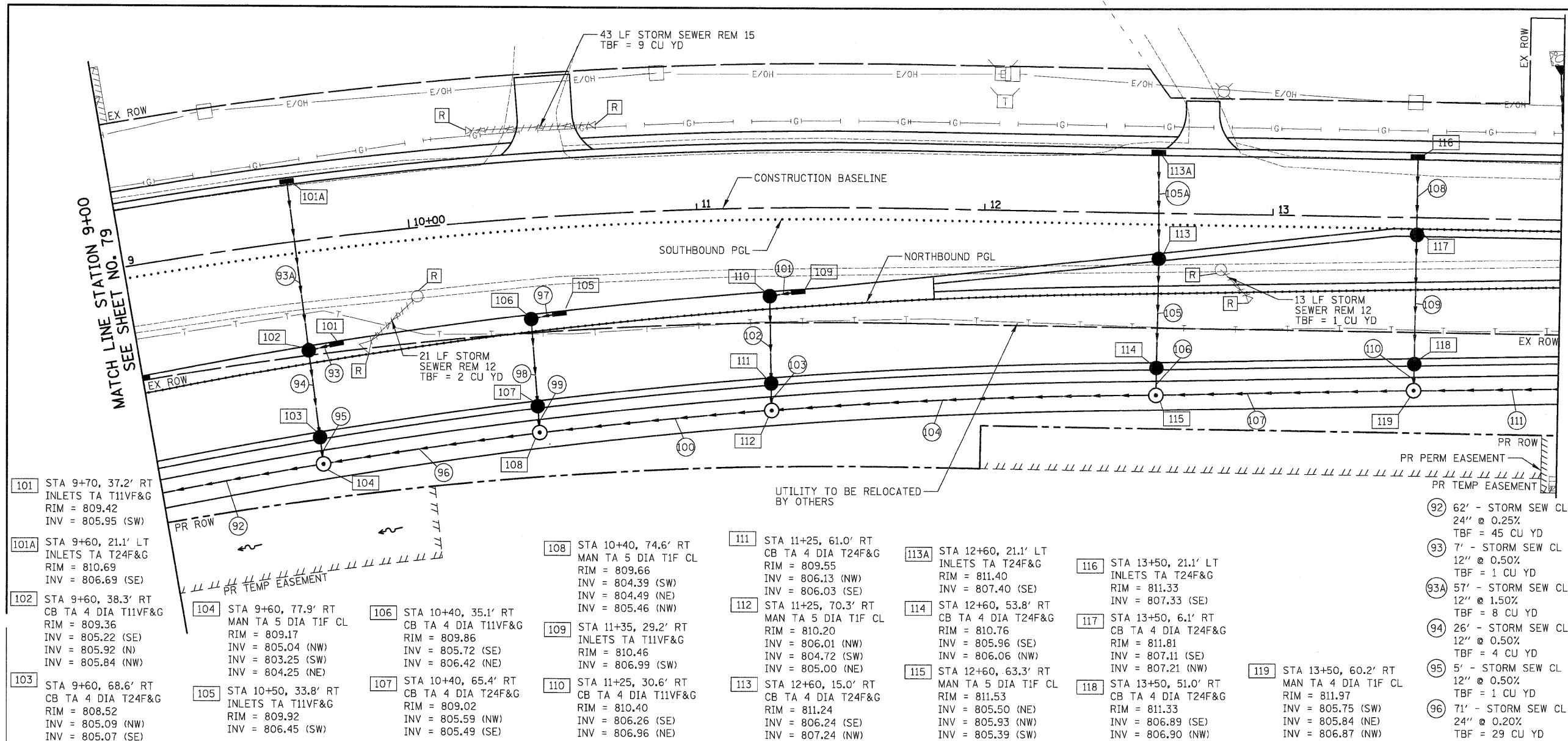


- 57 48' - STORM SEW CL A 1, 12" @ 0.60%
TBF = 8 CU YD
- 58 38' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 14 CU YD
- 59 3' - STORM SEW CL A 1, 15" @ 0.50%
TBF = 1 CU YD
- 60 64' - STORM SEW CL A 1, 36" @ 0.20%
- 61 143' - STORM SEW CL A 1, 18" @ 4.00%
- 61A 10' - STORM SEW CL A 1, 15" @ 1.10%
- 61B 15' - STORM SEW CL A 1, 18" @ 2.50%
- 62 40' - STORM SEW CL A 1, 12" @ 2.50%
TBF = 7 CU YD
- 63 4' - STORM SEW CL A 1, 12" @ 2.50%
TBF = 1 CU YD
- 64 76' - STORM SEW CL A 1, 30" @ 0.30%
- 65 12' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 2 CU YD
- 66 10' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 3 CU YD
- 67 39' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 9 CU YD
- 68 13' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 2 CU YD
- 69 4' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 1 CU YD
- 70 87' - STORM SEW CL A 1, 36" @ 1.00%
TBF = 7 CU YD
- 71 137' - STORM SEW CL A 1, 36" @ 1.00%
TBF = 245 CU YD
- 72 33' - STORM SEW CL A 1, 30" @ 0.30%
- 73 7' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 1 CU YD
- 74 39' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 11 CU YD
- 75 4' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 1 CU YD
- 76 57' - STORM SEW CL A 1, 30" @ 0.30%
- 76A 117' - STORM SEW CL A 1, 12" @ 1.00%
- 76B 24' - STORM SEW CL A 1, 12" @ 2.90%



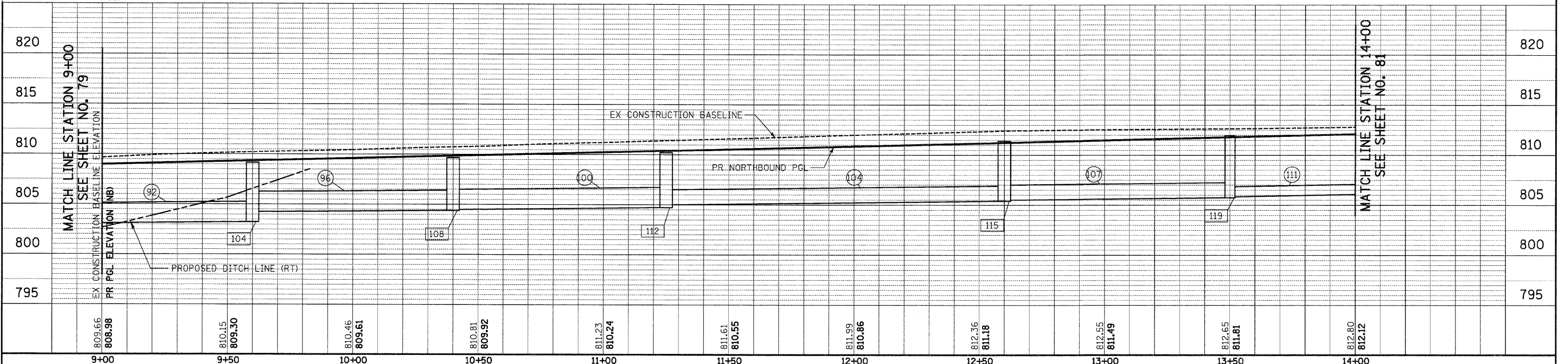
DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



- 97 7' - STORM SEW CL A 1, 12" @ 0.50% TBF = 1 CU YD
- 98 26' - STORM SEW CL A 1, 12" @ 0.50% TBF = 4 CU YD
- 99 5' - STORM SEW CL A 1, 12" @ 0.50% TBF = 1 CU YD
- 100 76' - STORM SEW CL A 1, 24" @ 0.30% TBF = 49 CU YD
- 101 7' - STORM SEW CL A 1, 12" @ 0.50% TBF = 1 CU YD
- 102 26' - STORM SEW CL A 1, 12" @ 0.50% TBF = 4 CU YD
- 103 5' - STORM SEW CL A 1, 12" @ 0.50% TBF = 1 CU YD
- 104 129' - STORM SEW CL A 1, 18" @ 0.30% TBF = 91 CU YD
- 105 36' - STORM SEW CL A 1, 12" @ 0.50% TBF = 9 CU YD
- 105A 33' - STORM SEW CL A 1, 12" @ 0.50% TBF = 5 CU YD
- 106 5' - STORM SEW CL A 1, 12" @ 0.40% TBF = 1 CU YD
- 107 85' - STORM SEW CL A 1, 18" @ 0.30% TBF = 66 CU YD
- 108 25' - STORM SEW CL A 1, 12" @ 0.50% TBF = 5 CU YD
- 109 41' - STORM SEW CL A 1, 12" @ 0.50% TBF = 9 CU YD
- 110 6' - STORM SEW CL A 1, 15" @ 0.40% TBF = 1 CU YD
- 111 347' - STORM SEW CL A 1, 12" @ 0.50% TBF = 220 CU YD
- 92 62' - STORM SEW CL A 1, 24" @ 0.25% TBF = 45 CU YD
- 93 7' - STORM SEW CL A 1, 12" @ 0.50% TBF = 1 CU YD
- 93A 57' - STORM SEW CL A 1, 12" @ 1.50% TBF = 8 CU YD
- 94 26' - STORM SEW CL A 1, 12" @ 0.50% TBF = 4 CU YD
- 95 5' - STORM SEW CL A 1, 12" @ 0.50% TBF = 1 CU YD
- 96 71' - STORM SEW CL A 1, 24" @ 0.20% TBF = 29 CU YD
- 111A STA 12+60, 21.1' LT INLETS TA T24F&G RIM = 811.40 INV = 807.40 (SE)
- 113A STA 12+60, 53.8' RT CB TA 4 DIA T24F&G RIM = 810.76 INV = 805.96 (SE) INV = 806.06 (NW)
- 113 STA 12+60, 63.3' RT MAN TA 5 DIA T1F CL RIM = 811.53 INV = 805.50 (NE) INV = 805.93 (NW) INV = 805.39 (SW)
- 116 STA 13+50, 21.1' LT INLETS TA T24F&G RIM = 811.33 INV = 807.33 (SE)
- 117 STA 13+50, 6.1' RT CB TA 4 DIA T24F&G RIM = 811.81 INV = 807.11 (SE) INV = 807.21 (NW)
- 118 STA 13+50, 51.0' RT CB TA 4 DIA T24F&G RIM = 811.33 INV = 806.89 (SE) INV = 806.90 (NW)
- 119 STA 13+50, 60.2' RT MAN TA 4 DIA T1F CL RIM = 811.97 INV = 805.75 (SW) INV = 805.84 (NE) INV = 806.87 (NW)

- 101 STA 9+70, 37.2' RT INLETS TA T11VF&G RIM = 809.42 INV = 805.95 (SW)
- 101A STA 9+60, 21.1' LT INLETS TA T24F&G RIM = 810.69 INV = 806.69 (SE)
- 102 STA 9+60, 38.3' RT CB TA 4 DIA T11VF&G RIM = 809.36 INV = 805.22 (SE) INV = 805.92 (N) INV = 805.84 (NW)
- 103 STA 9+60, 68.6' RT CB TA 4 DIA T24F&G RIM = 808.52 INV = 805.09 (NW) INV = 805.07 (SE)
- 104 STA 9+60, 77.9' RT MAN TA 5 DIA T1F CL RIM = 809.17 INV = 805.04 (NW) INV = 803.25 (SW) INV = 804.25 (NE)
- 105 STA 10+50, 33.8' RT INLETS TA T11VF&G RIM = 809.92 INV = 805.59 (NW) INV = 806.45 (SW)
- 106 STA 10+40, 35.1' RT CB TA 4 DIA T11VF&G RIM = 809.86 INV = 805.72 (SE) INV = 806.42 (NE)
- 107 STA 10+40, 65.4' RT CB TA 4 DIA T24F&G RIM = 809.02 INV = 805.59 (NW) INV = 805.49 (SE)
- 108 STA 10+40, 74.6' RT MAN TA 5 DIA T1F CL RIM = 809.66 INV = 804.39 (SW) INV = 804.49 (NE) INV = 805.46 (NW)
- 109 STA 11+35, 29.2' RT INLETS TA T11VF&G RIM = 810.46 INV = 806.99 (SW)
- 110 STA 11+25, 30.6' RT CB TA 4 DIA T11VF&G RIM = 810.40 INV = 806.26 (SE) INV = 806.96 (NE)
- 111 STA 11+25, 61.0' RT CB TA 4 DIA T24F&G RIM = 809.55 INV = 806.13 (NW) INV = 806.03 (SE)
- 112 STA 11+25, 70.3' RT MAN TA 5 DIA T1F CL RIM = 810.20 INV = 806.01 (NW) INV = 804.72 (SW) INV = 805.00 (NE)
- 113 STA 12+60, 15.0' RT CB TA 4 DIA T24F&G RIM = 811.24 INV = 806.24 (SE) INV = 807.24 (NW)
- 113A STA 12+60, 21.1' LT INLETS TA T24F&G RIM = 811.40 INV = 807.40 (SE)
- 114 STA 12+60, 53.8' RT CB TA 4 DIA T24F&G RIM = 810.76 INV = 805.96 (SE) INV = 806.06 (NW)
- 115 STA 12+60, 63.3' RT MAN TA 5 DIA T1F CL RIM = 811.53 INV = 805.50 (NE) INV = 805.93 (NW) INV = 805.39 (SW)
- 116 STA 13+50, 21.1' LT INLETS TA T24F&G RIM = 811.33 INV = 807.33 (SE)
- 117 STA 13+50, 6.1' RT CB TA 4 DIA T24F&G RIM = 811.81 INV = 807.11 (SE) INV = 807.21 (NW)
- 118 STA 13+50, 51.0' RT CB TA 4 DIA T24F&G RIM = 811.33 INV = 806.89 (SE) INV = 806.90 (NW)
- 119 STA 13+50, 60.2' RT MAN TA 4 DIA T1F CL RIM = 811.97 INV = 805.75 (SW) INV = 805.84 (NE) INV = 806.87 (NW)



809.66	810.15	810.46	810.81	811.23	811.61	811.99	812.36	812.55	812.65	812.80	820
808.98	809.30	809.61	809.92	810.24	810.55	810.86	811.18	811.49	811.81	812.12	815
9+00	9+50	10+00	10+50	11+00	11+50	12+00	12+50	13+00	13+50	14+00	810
809.66	810.15	810.46	810.81	811.23	811.61	811.99	812.36	812.55	812.65	812.80	805
808.98	809.30	809.61	809.92	810.24	810.55	810.86	811.18	811.49	811.81	812.12	800
809.66	810.15	810.46	810.81	811.23	811.61	811.99	812.36	812.55	812.65	812.80	795

450 E Devon Ave, Suite 300
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - JRR
DRAWN - JRR
CHECKED - RTM
DATE - 10/24/2011

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VERT. 0
HORIZ. 0

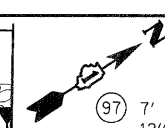
SCALES
5 10
20 40

DRAINAGE AND UTILITY

SHEET NO. 9 OF 14 SHEETS STA. 9+00 TO STA. 14+00

F.A.U. R.T.E. 364 SECTION 02-00051-08-WR COUNTY LAKE TOTAL SHEETS 188 SHEET NO. 80 CONTRACT NO. 63649

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



MATCH LINE STATION 14+00
SEE SHEET NO. 81

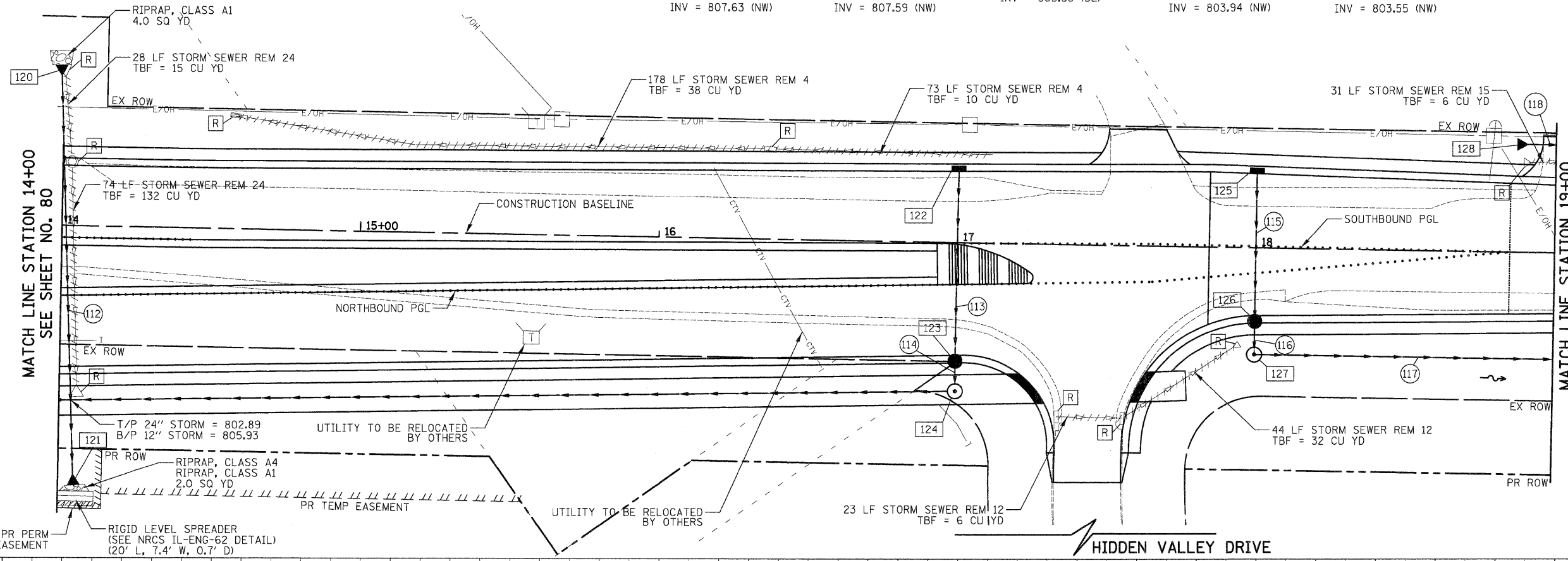
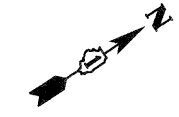
MATCH LINE STATION 9+00
SEE SHEET NO. 79

QUENTIN ROAD

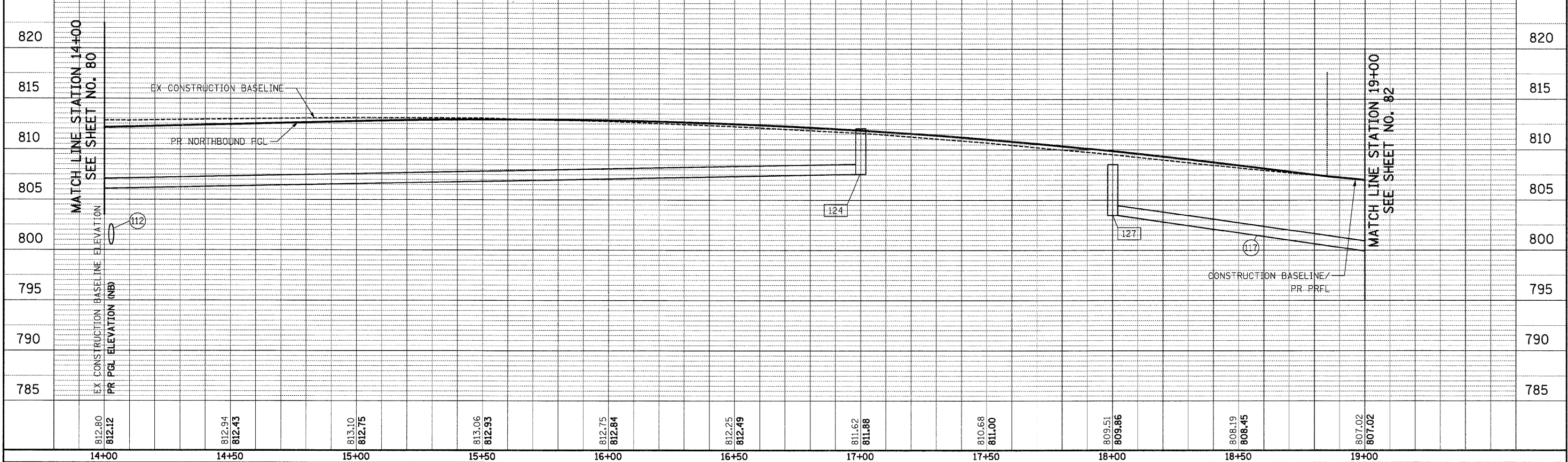
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	

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

120 STA 14+00, 53.6' LT PRC FLAR END SEC 24 W/ GRATING INV = 803.57	121 STA 14+04.4, 87.2' RT PRC FLAR END SEC 24 W/ GRATING INV = 799.84	122 STA 17+00, 24.9' LT INLETS TA T24F&G RIM = 811.39 INV = 807.94 (SE)	123 STA 17+00, 39.9' RT CB TA 4 DIA T24F&G RIM = 811.40 INV = 807.62 (SE) INV = 807.63 (NW)	124 STA 17+00, 50.0' RT MAN TA 4 DIA T1F CL RIM = 812.06 INV = 807.58 (SW) INV = 807.59 (NW)	125 STA 18+00, 25.9' LT INLETS TA T24F&G RIM = 809.38 INV = 805.38 (SE)	126 STA 18+00, 24.7' RT CB TA 4 DIA T24F&G RIM = 809.63 INV = 803.84 (SE) INV = 803.94 (NW)	127 STA 18+00, 36.0' RT MAN TA 4 DIA T1F CL RIM = 808.53 INV = 803.45 (NE) INV = 803.55 (NW)	128 STA 18+87, 36.0' LT PRC FLAR END SEC 15 INV = 803.16
--	--	--	---	--	--	---	--	--



- 112 129' - STORM SEW CL A 1, 24" @ 2.80%
TBF = 105 CU YD.
- 113 62' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 9 CU YD
- 114 7' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 1 CU YD
- 115 48' - STORM SEW CL A 1, 12" @ 3.00%
TBF = 12 CU YD
- 116 8' - STORM SEW CL A 1, 12" @ 3.60%
TBF = 2 CU YD
- 117 126' - STORM SEW CL A 1, 12" @ 3.60%
- 118 26' - STORM SEW CL A 1, 15" @ 0.50%
TBF = 3 CU YD



812.80	812.94	813.10	813.06	812.75	812.25	811.62	810.68	809.51	808.19	807.02	820
812.12	812.43	812.75	812.93	812.84	812.49	811.88	811.00	809.86	808.45	807.02	815
14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00	810
14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00	805
14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00	800
14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00	795
14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00	790
14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00	785

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

DESIGNED - JRR
DRAWN - JRR
CHECKED - RTM
DATE - 10/24/2011

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

VERT. 0 5 10
HORIZ. 0 20 40

SCALES

DRAINAGE AND UTILITY

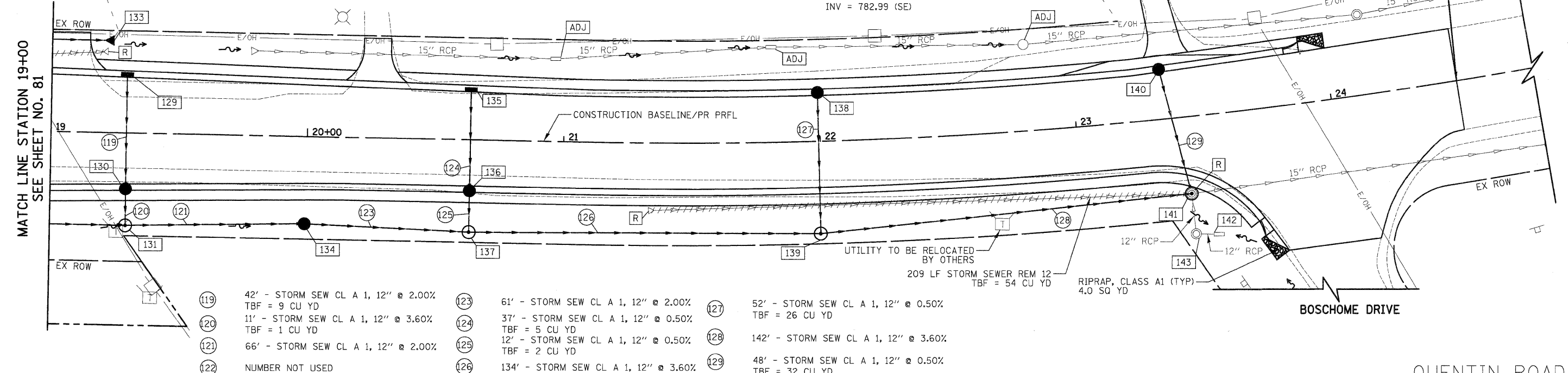
SHEET NO. 10 OF 14 SHEETS STA. 14+00 TO STA. 19+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	81
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

END ROADWAY IMPROVEMENTS
STA 24+50
(MATCH EXISTING)

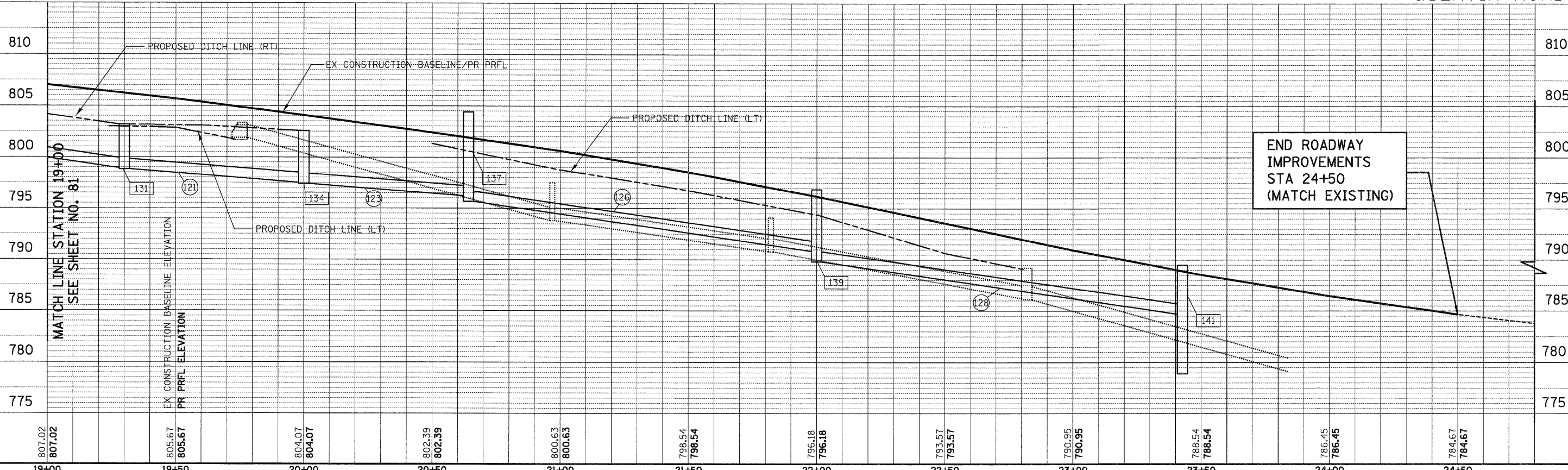
- 129 STA 19+30, 22.9' LT INLETS TA T24F&G RIM = 805.69 INV = 801.63 (SE)
- 130 STA 19+30, 21.7' RT CB TA 4 DIA T24F&G RIM = 806.00 INV = 800.79 (NW) INV = 800.69 (SE)
- 131 STA 19+30, 36.0' RT MAN TA 4 DIA T8G RIM = 803.16 INV = 800.29 (NW) INV = 798.82 (NE) INV = 798.92 (SW)
- 132 NUMBER NOT USED
- 133 STA 19+24.9, 36.0' LT PRC FLAR END SEC 15 INV = 802.97
- 134 STA 20+00, 34.0' RT CB TA 4 DIA T8G RIM = 802.57 INV = 797.50 (SW) INV = 797.40 (NE)
- 135 STA 20+64.15, 19.7' LT INLETS TA T24F&G RIM = 801.34 INV = 797.96 (SE)
- 136 STA 20+64.15, 19.9' RT CB TA 4 DIA T24F&G RIM = 802.02 INV = 797.78 (NW) INV = 797.68 (SE)
- 137 STA 20+64.15, 36.0' RT MAN TA 4 DIA T1F CL RIM = 804.39 INV = 795.67 (NE) INV = 796.18 (SW) INV = 797.62 (NW)
- 138 STA 22+00, 19.1' LT CB TC T24F&G RIM = 795.51 INV = 791.04 (SE)
- 139 STA 22+00, 36.0' RT MAN TA 4 DIA T1F CL RIM = 799.80 INV = 790.85 (SW) INV = 789.81 (NE) INV = 790.76 (NW)
- 140 STA 23+35, 20.6' LT CB TA 4 DIA T24F&G RIM = 788.63 INV = 782.42 (SE)
- 141 STA 23+42.6, 30.2' RT MAN TA 4 DIA T1F CL RIM = 789.48 INV = 784.70 (SW) INV = 778.90 (NE) INV = 782.18 (NW) INV = 782.99 (SE)
- 142 STA 23+51, 47.0' RT INLETS ADJUST RIM = 785.70 INV = 783.00 (SW)
- 143 STA 23+42.7, 46.0' RT MAN ADJUST RIM = 786.84 INV = 783.00 (NE) INV = 783.00 (NW)

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



- 119 42' - STORM SEW CL A 1, 12" @ 2.00% TBF = 9 CU YD
- 120 11' - STORM SEW CL A 1, 12" @ 3.60% TBF = 1 CU YD
- 121 66' - STORM SEW CL A 1, 12" @ 2.00%
- 122 NUMBER NOT USED
- 123 61' - STORM SEW CL A 1, 12" @ 2.00%
- 124 37' - STORM SEW CL A 1, 12" @ 0.50% TBF = 5 CU YD
- 125 12' - STORM SEW CL A 1, 12" @ 0.50% TBF = 2 CU YD
- 126 134' - STORM SEW CL A 1, 12" @ 3.60%
- 127 52' - STORM SEW CL A 1, 12" @ 0.50% TBF = 26 CU YD
- 128 142' - STORM SEW CL A 1, 12" @ 3.60%
- 129 48' - STORM SEW CL A 1, 12" @ 0.50% TBF = 32 CU YD

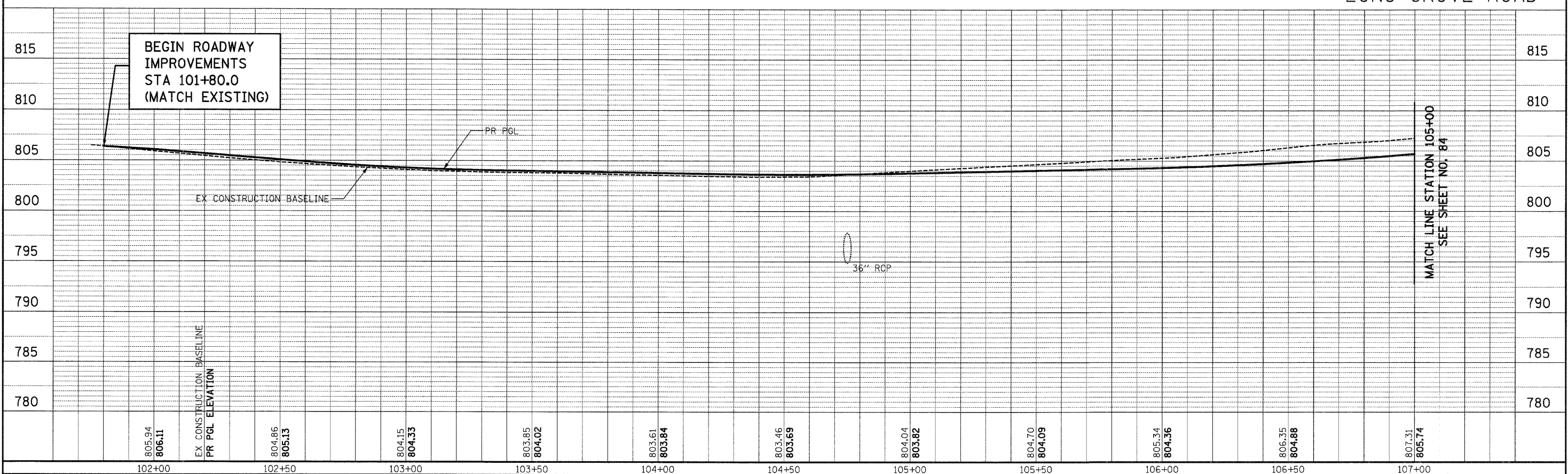
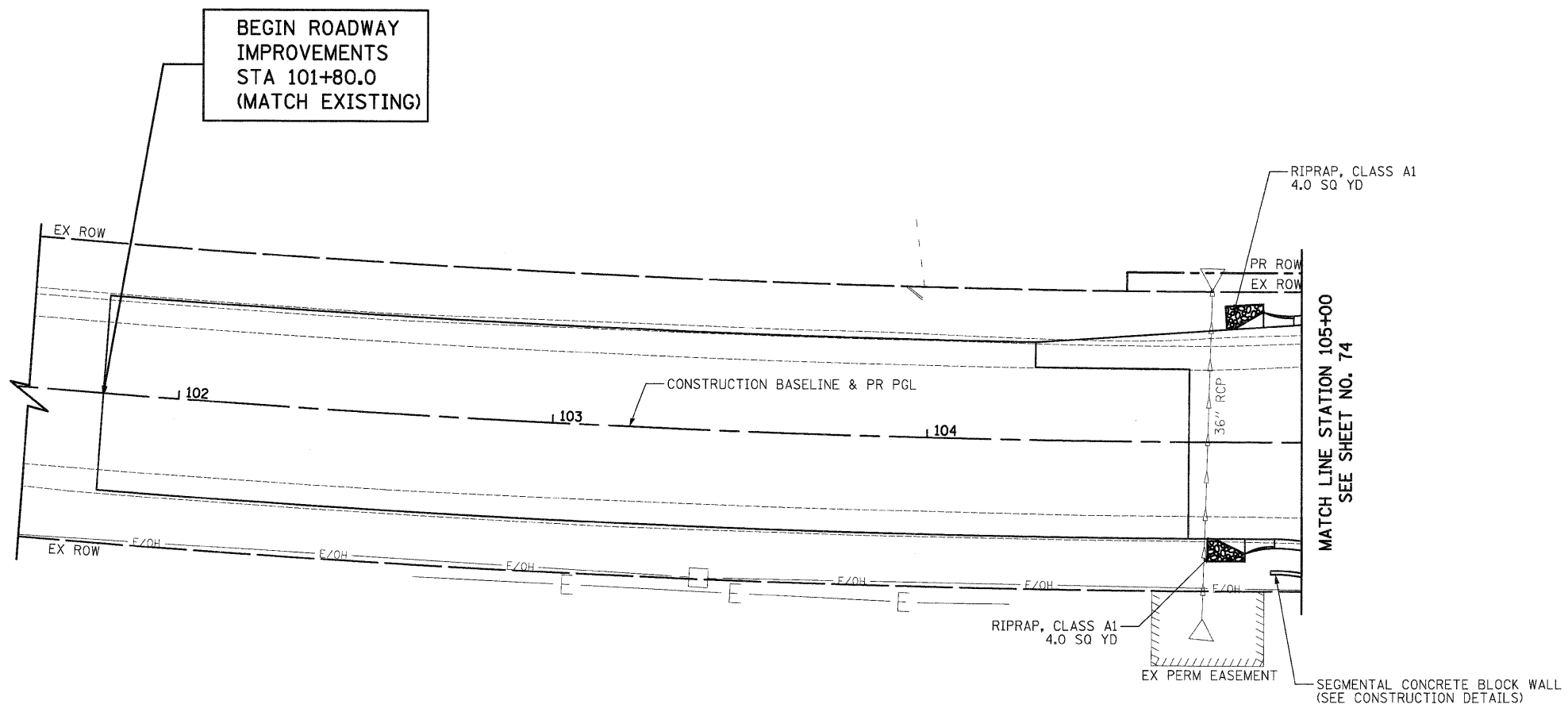
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED





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

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



805.94 806.11	804.86 805.13	804.15 804.33	803.85 804.02	803.61 803.84	803.46 803.69	804.04 803.82	804.70 804.09	805.34 804.36	806.35 804.88	807.31 805.74
102+00	102+50	103+00	103+50	104+00	104+50	105+00	105+50	106+00	106+50	107+00

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

DESIGNED - JRR
 DRAWN - JRR
 CHECKED - RTM
 DATE - 10/24/2011

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

VERT. 0 5 10
 HORIZ. 0 20 40

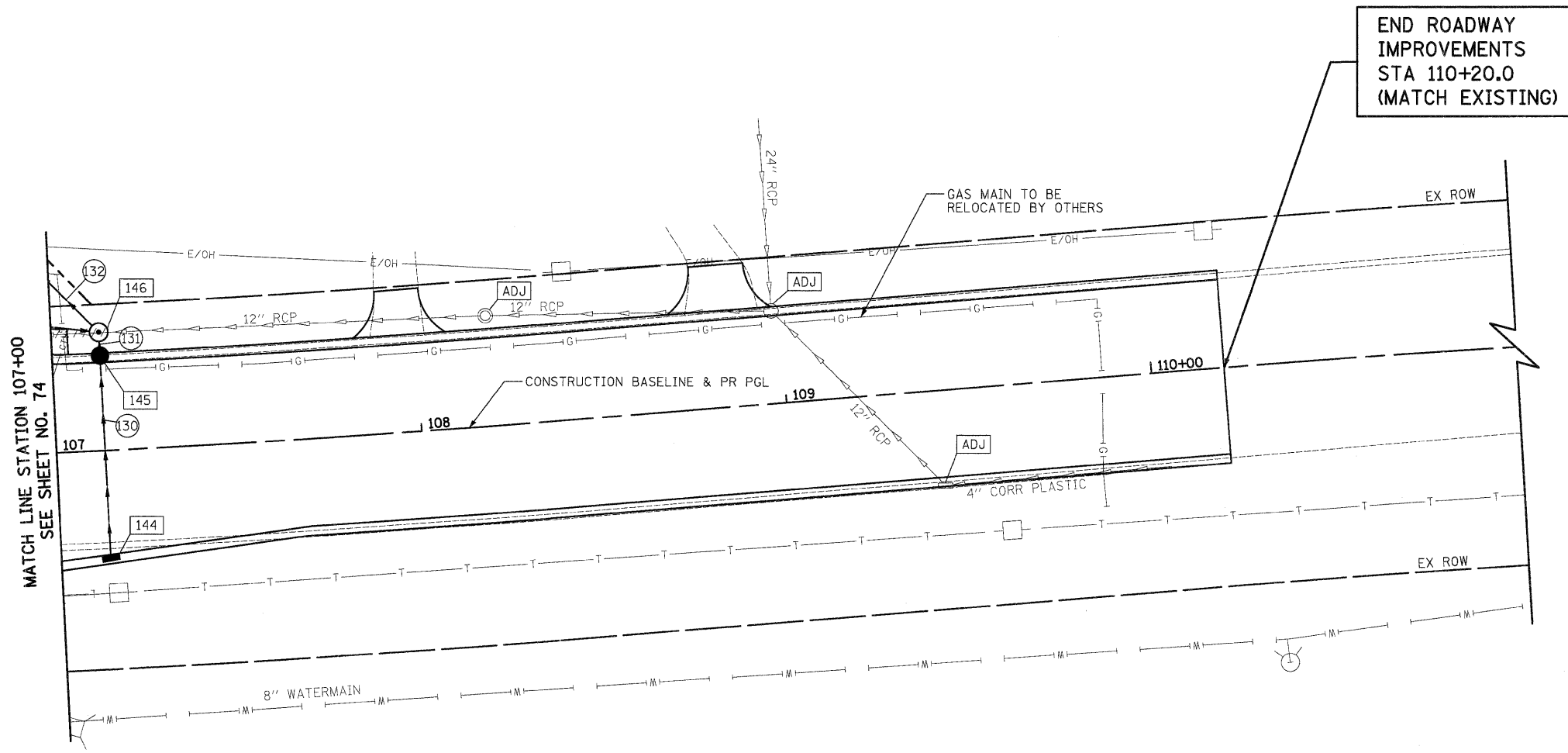
SCALES
DRAINAGE AND UTILITY
 SHEET NO. 12 OF 14 SHEETS STA. 101+80 TO STA. 105+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	83
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	



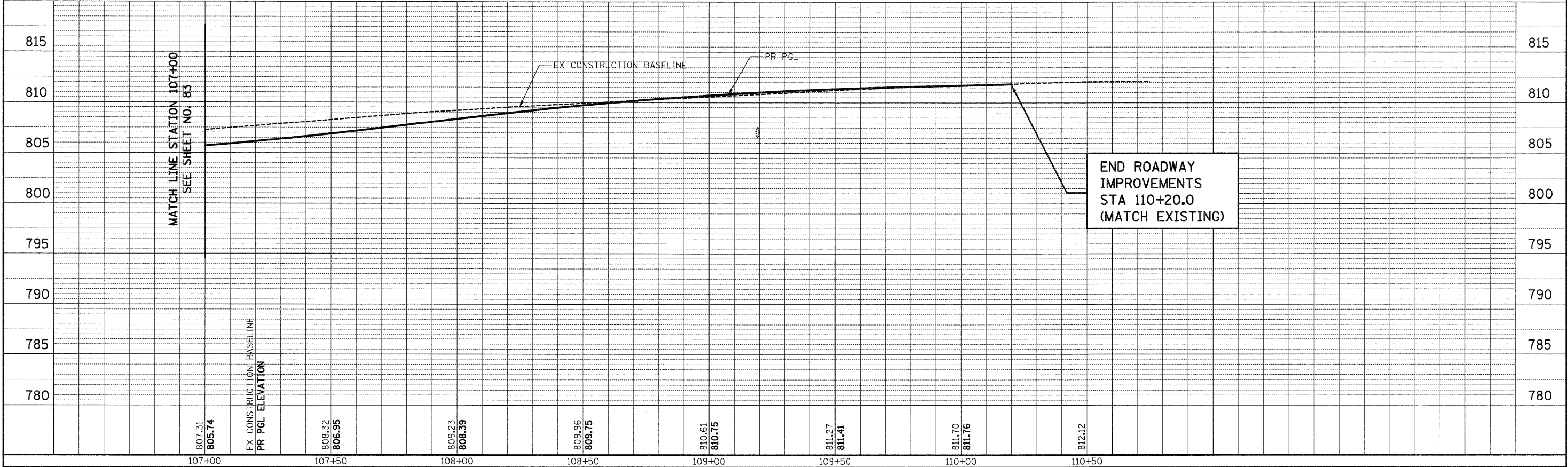
144 STA 107+13.3, 29.7' RT
INLETS TA T24F&G
RIM = 806.16
INV = 802.91 (N)

145 STA 107+13.3, 25.9' LT
CB TA 4 DIA T24F&G
RIM = 805.69
INV = 800.87 (N)
INV = 802.65 (S)

146 STA 107+13.3, 32.3' LT
MAN TA 5 DIA T1F CL
RIM = 807.20
INV = 800.70 (NW)
INV = 800.84 (S)
INV = 802.87 (E)
INV = 800.70 (W)

- 130 53' - STORM SEW SPECIAL, 12" @ 0.50%
TBF = 7 CU YD
- 131 3' - STORM SEW SPECIAL, 12" @ 1.00%
TBF = 1 CU YD
- 132 66' - STORM SEW CL A 1, 15" @ 0.50%

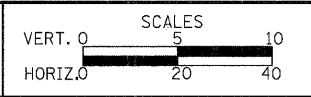
LONG GROVE ROAD



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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DRAINAGE AND UTILITY
SHEET NO. 13 OF 14 SHEETS STA. 107+00 TO STA. 110+20

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	84
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

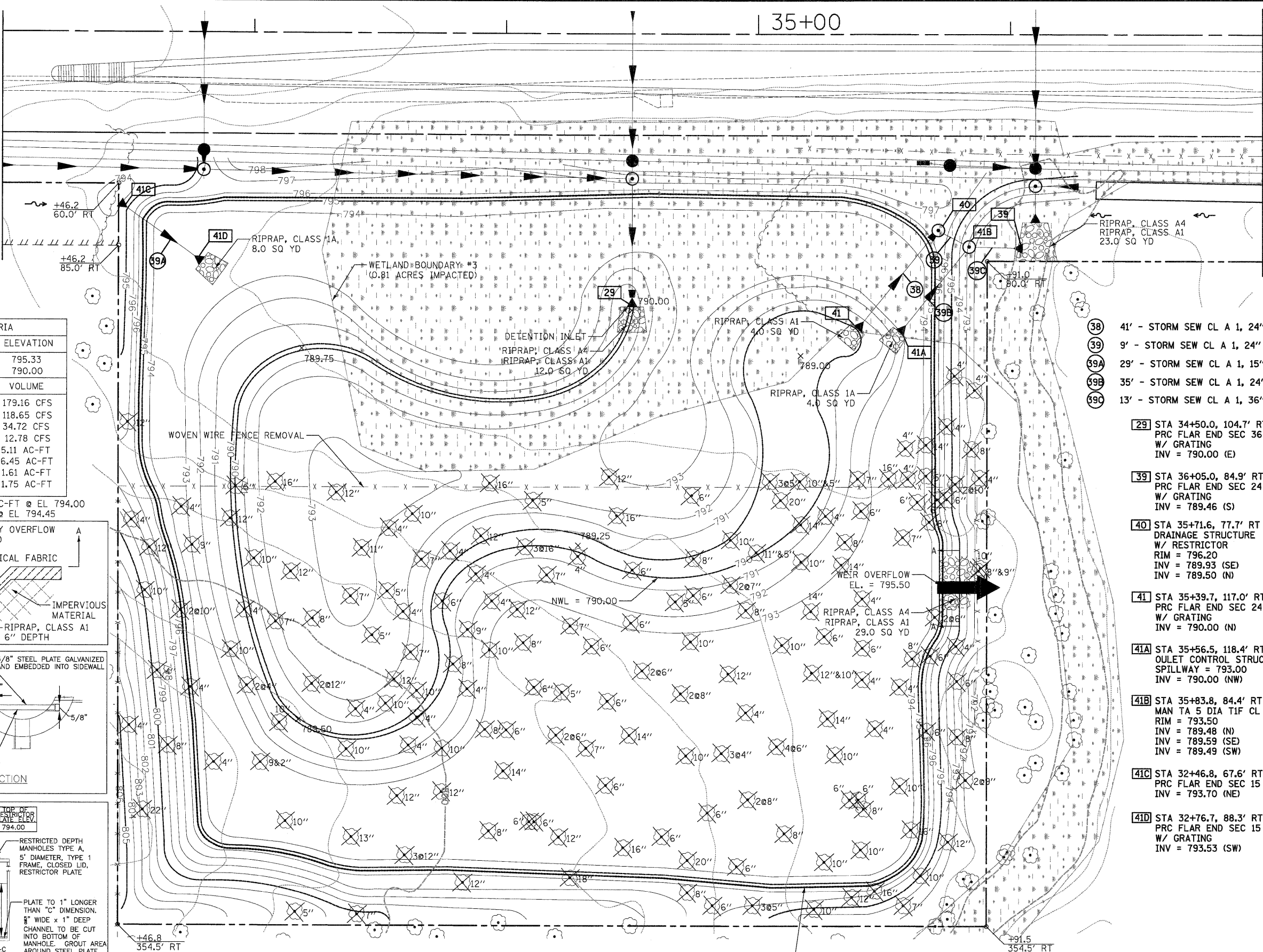
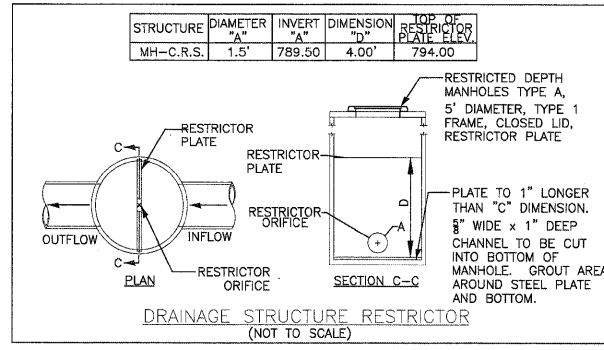
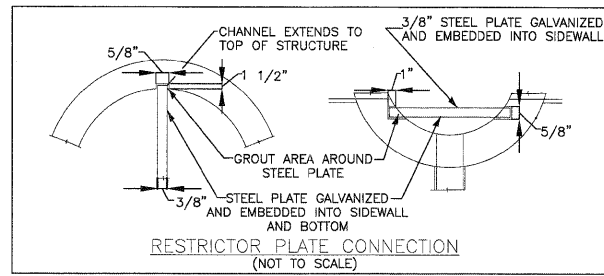
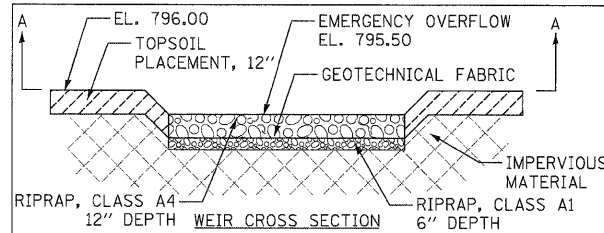
DATE	
BY	
FINAL SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

SEDIMENT FORBAY CRITERIA		
DESCRIPTION	ELEVATION	
OUTFALL ELEVATION	790.00	
BOTTOM ELEVATION	789.00	
DESCRIPTION		VOLUME
FOREBAY VOL REQUIRED	0.0458 AC-FT	
FOREBAY VOL PROVIDED	0.0460 AC-FT	

DETENTION POND CRITERIA		
DESCRIPTION	ELEVATION	
HIGH WATER LEVEL (HWL)	795.33	
NORMAL WATER LEVEL (NWL)	790.00	
DESCRIPTION		VOLUME
MAX 100 YR RELEASE RATE	179.16 CFS	
DESIGN 100 YR RELEASE RATE	118.65 CFS	
MAX 2 YR RELEASE RATE	34.72 CFS	
DESIGN 2 YR RELEASE RATE	12.78 CFS	
100 YR VOLUME REQUIRED	5.11 AC-FT	
100 YR VOLUME PROVIDED	6.45 AC-FT	
2 YR VOLUME REQUIRED	1.61 AC-FT	
2 YR VOLUME PROVIDED	1.75 AC-FT	

* DETENTION REQUIRED (100 YR) = 4.26 AC-FT @ EL 794.00
 4.26 X 1.2 (DVSF) = 5.11 AC-FT @ EL 794.45



- 38 41' - STORM SEW CL A 1, 24" @ 0.17%
- 39 9' - STORM SEW CL A 1, 24" @ 0.17%
- 39A 29' - STORM SEW CL A 1, 15" @ 0.60%
- 39B 35' - STORM SEW CL A 1, 24" @ 1.00%
- 39C 13' - STORM SEW CL A 1, 36" @ 0.10%

- 29 STA 34+50.0, 104.7' RT PRC FLAR END SEC 36 W/ GRATING INV = 790.00 (E)
- 39 STA 36+05.0, 84.9' RT PRC FLAR END SEC 24 W/ GRATING INV = 789.46 (S)
- 40 STA 35+71.6, 77.7' RT DRAINAGE STRUCTURE W/ RESTRICTOR RIM = 796.20 INV = 789.93 (SE) INV = 789.50 (N)
- 41 STA 35+39.7, 117.0' RT PRC FLAR END SEC 24 W/ GRATING INV = 790.00 (N)
- 41A STA 35+56.5, 118.4' RT OULET CONTROL STRUCTURE SPILLWAY = 793.00 INV = 790.00 (NW)
- 41B STA 35+83.8, 84.4' RT MAN TA 5 DIA TIF CL RIM = 793.50 INV = 789.48 (N) INV = 789.59 (SE) INV = 789.49 (SW)
- 41C STA 32+46.8, 67.6' RT PRC FLAR END SEC 15 INV = 793.70 (NE)
- 41D STA 32+76.7, 88.3' RT PRC FLAR END SEC 15 W/ GRATING INV = 793.53 (SW)

NOTE:
 ALL TREE REMOVAL SHOWN ON THIS SHEET TO BE PAID FOR AS TREE REMOVAL, ACRES (SPECIAL).

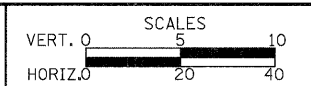
QUENTIN ROAD

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

DESIGNED - JRR
 DRAWN - JRR
 CHECKED - RTM
 DATE - 10/24/2011

REVISI -
 REVISI -
 REVISI -
 REVISI -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



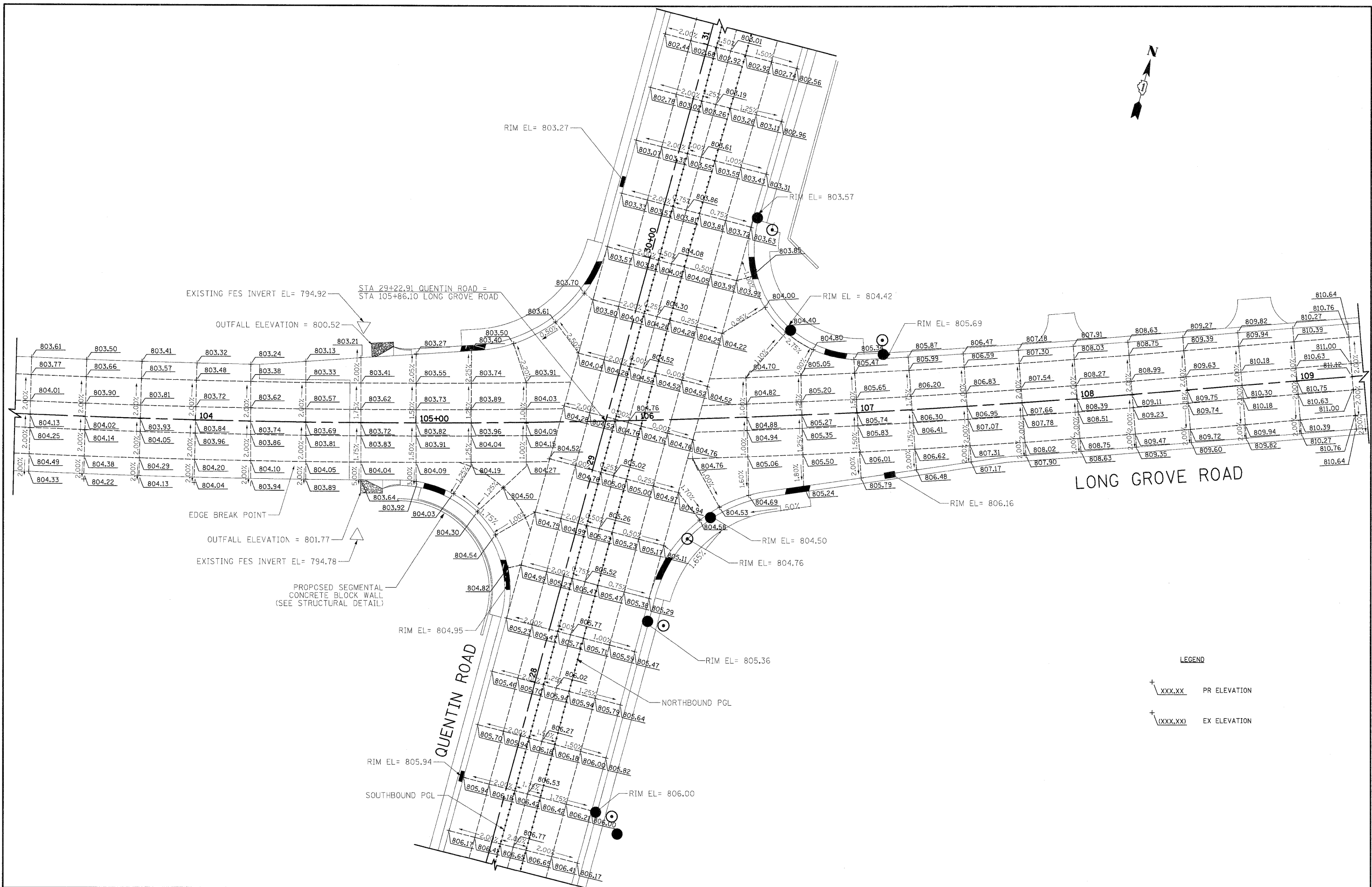
STORMWATER MANAGEMENT PLAN

SHEET NO. 14 OF 14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	85
				CONTRACT NO. 63649
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



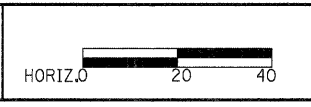
LEGEND

+ XXX.XX	PR ELEVATION
+ (XXX.XX)	EX ELEVATION

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



INTERSECTION GRADING PLAN

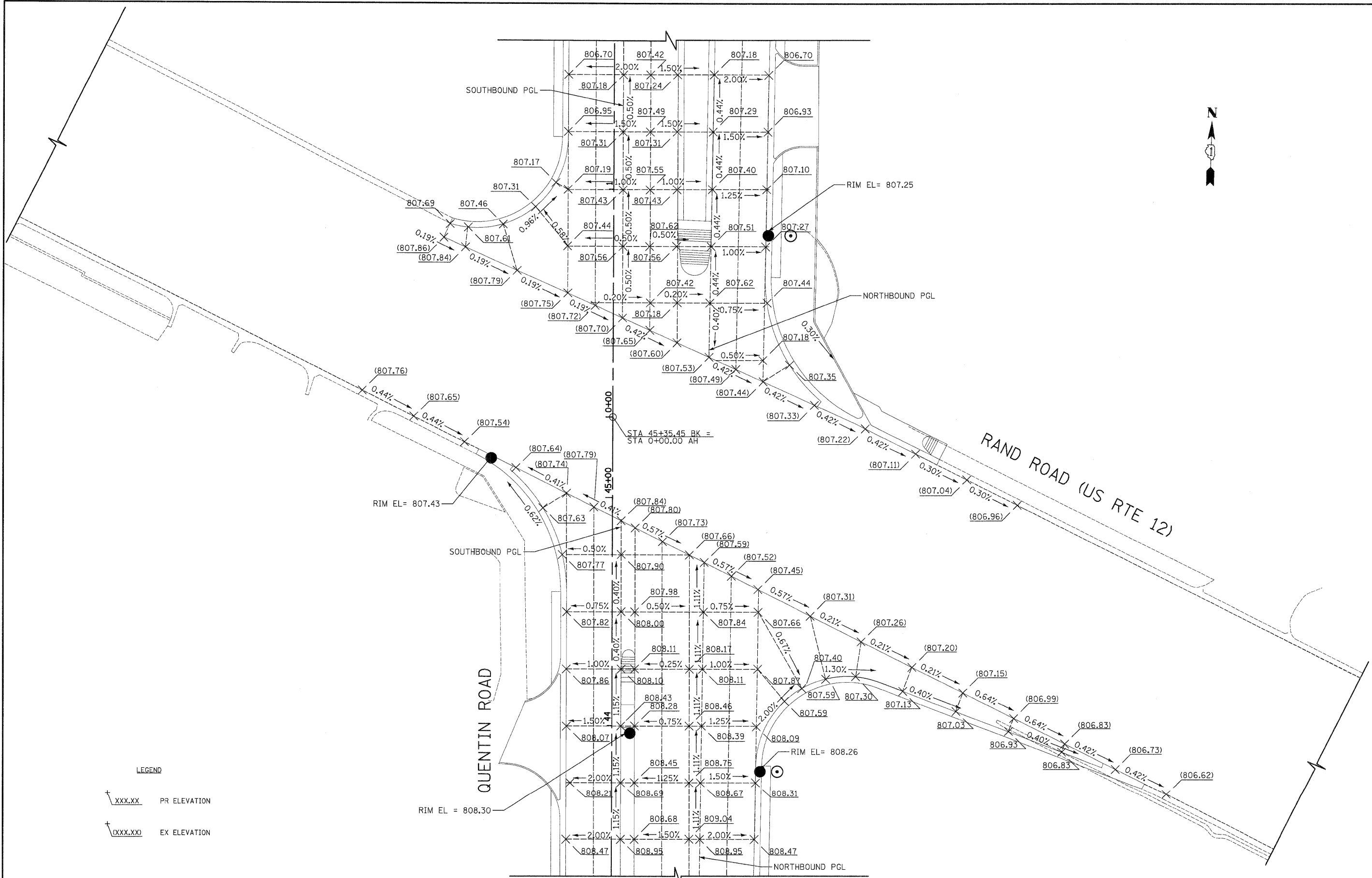
SHEET NO. 1 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	86
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

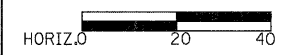
LEGEND
 † XXX.XX PR ELEVATION
 † (XXX.XX) EX ELEVATION



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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



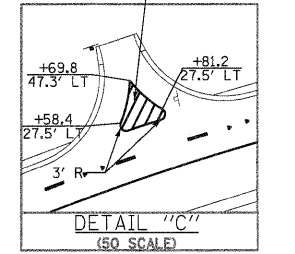
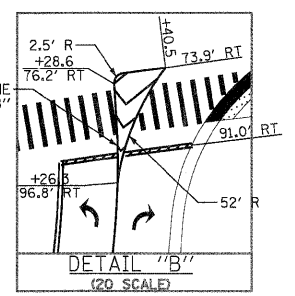
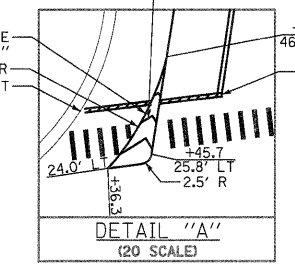
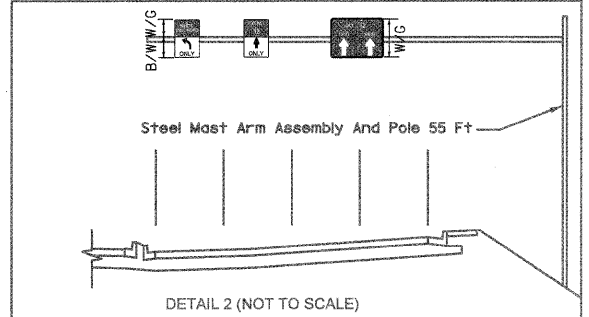
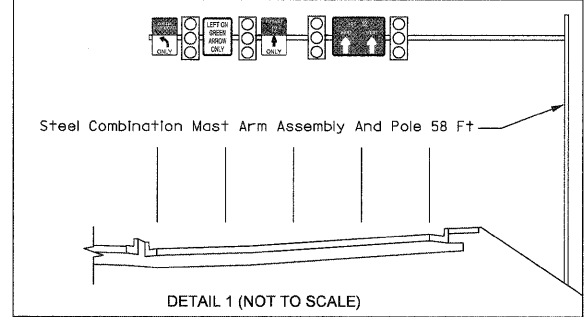
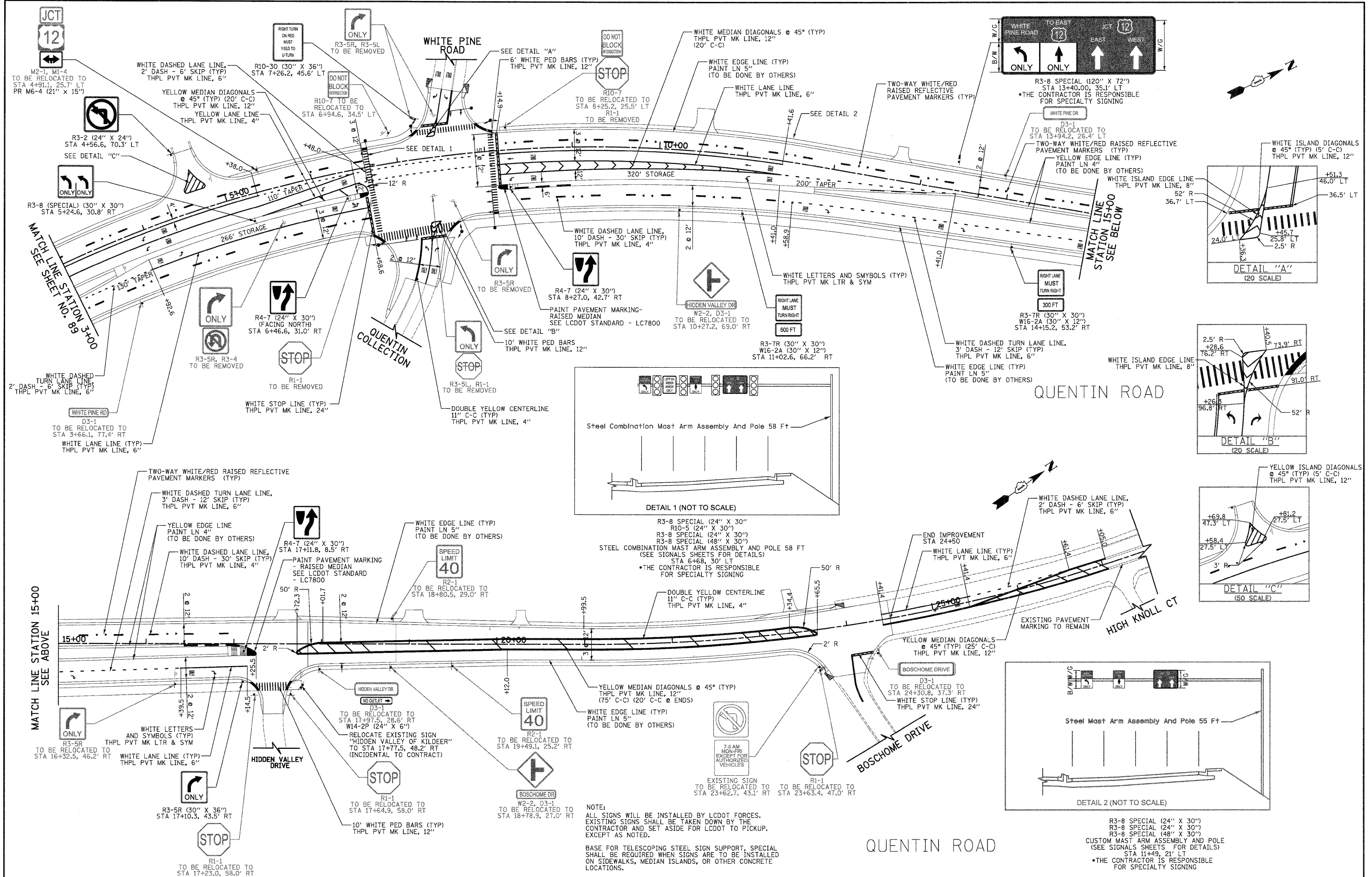
INTERSECTION GRADING PLAN

SHEET NO. 2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	87
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

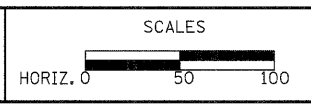
DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



450 E Devon Ave, Suite 300
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
 www.civiltechinc.com

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

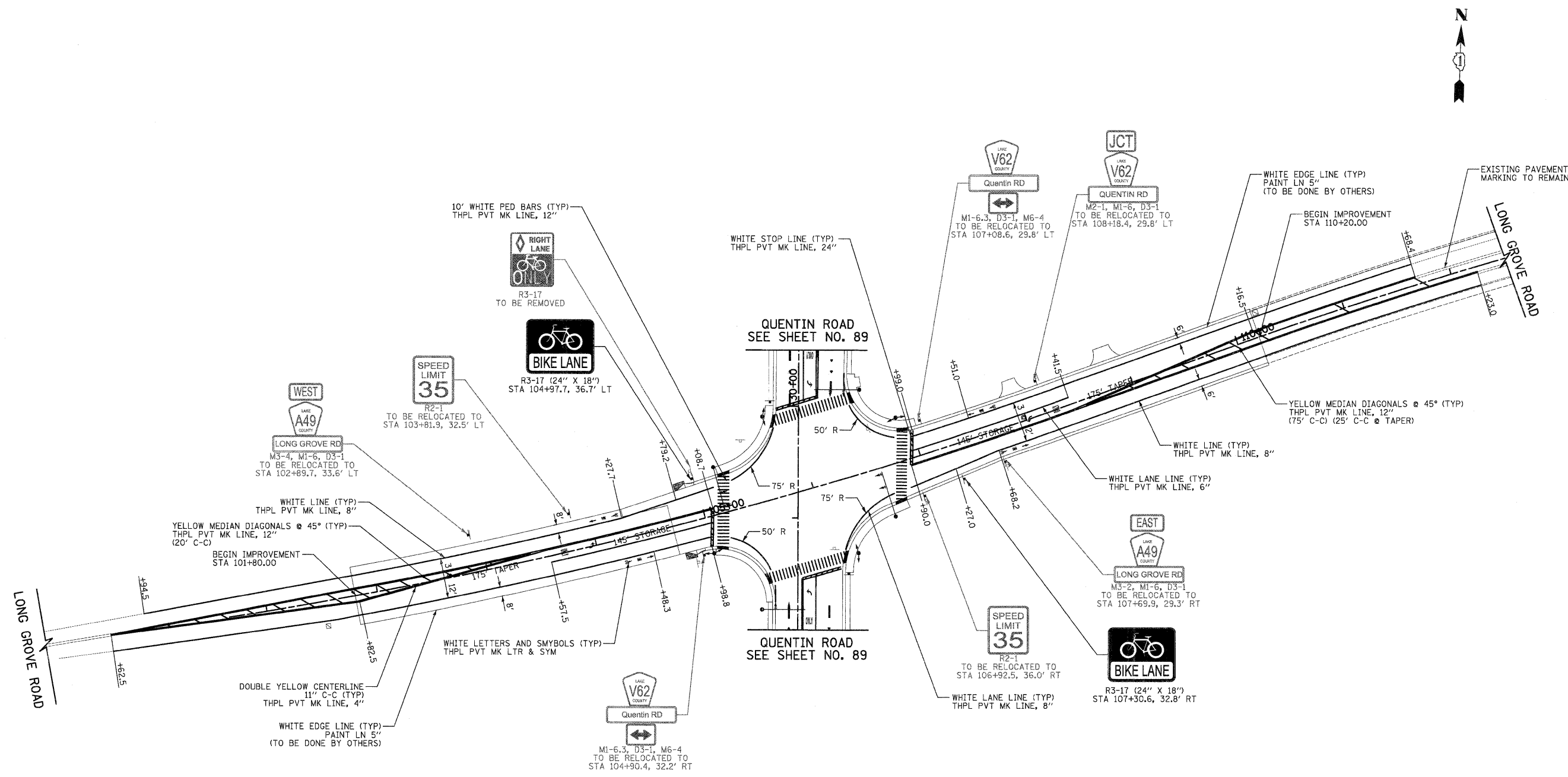


PAVEMENT MARKING AND SIGNING
 SHEET NO. 2 OF 3 SHEETS | STA. 3+00 TO STA. 23+45

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	90
CONTRACT NO. 63649				
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.	



NOTE:
 ALL SIGNS WILL BE INSTALLED BY LCDOT FORCES.
 EXISTING SIGNS SHALL BE TAKEN DOWN BY THE
 CONTRACTOR AND SET ASIDE FOR LCDOT TO PICKUP,
 EXCEPT AS NOTED.

BASE FOR TELESCOPING STEEL SIGN SUPPORT, SPECIAL
 SHALL BE REQUIRED WHEN SIGNS ARE TO BE INSTALLED
 ON SIDEWALKS, MEDIAN ISLANDS, OR OTHER CONCRETE
 LOCATIONS.

LONG GROVE ROAD

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

DESIGNED - JRR	REVISED -
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALES
 HORIZ. 0 50 100

PAVEMENT MARKING AND SIGNING

SHEET NO. 3 OF 3 SHEETS STA. 101+80 TO STA. 110+20

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	91
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING VIDEO DETECTION, EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. ALL STATIONS AND OFFSETS ARE DIMENSIONED FROM THE CENTERLINE OF QUENTIN ROAD.
8. THE EXACT LOCATION OF THE ELECTRIC SERVICE INSTALLATION SHALL BE DETERMINED AFTER RELOCATION OF THE EXISTING ELECTRICAL UTILITIES.
9. THE LEFT TURN SECTIONS OF THESE SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISABLED UNTIL THE BEGINNING OF S.O.C. STAGE I.

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF LCDOT AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE COUNTY'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1 EACH CONTROLLER AND CABINET, COMPLETE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE LAKE ZURICH RURAL FIRE PROTECTION DISTRICT. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE FIRE PROTECTION DISTRICT AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

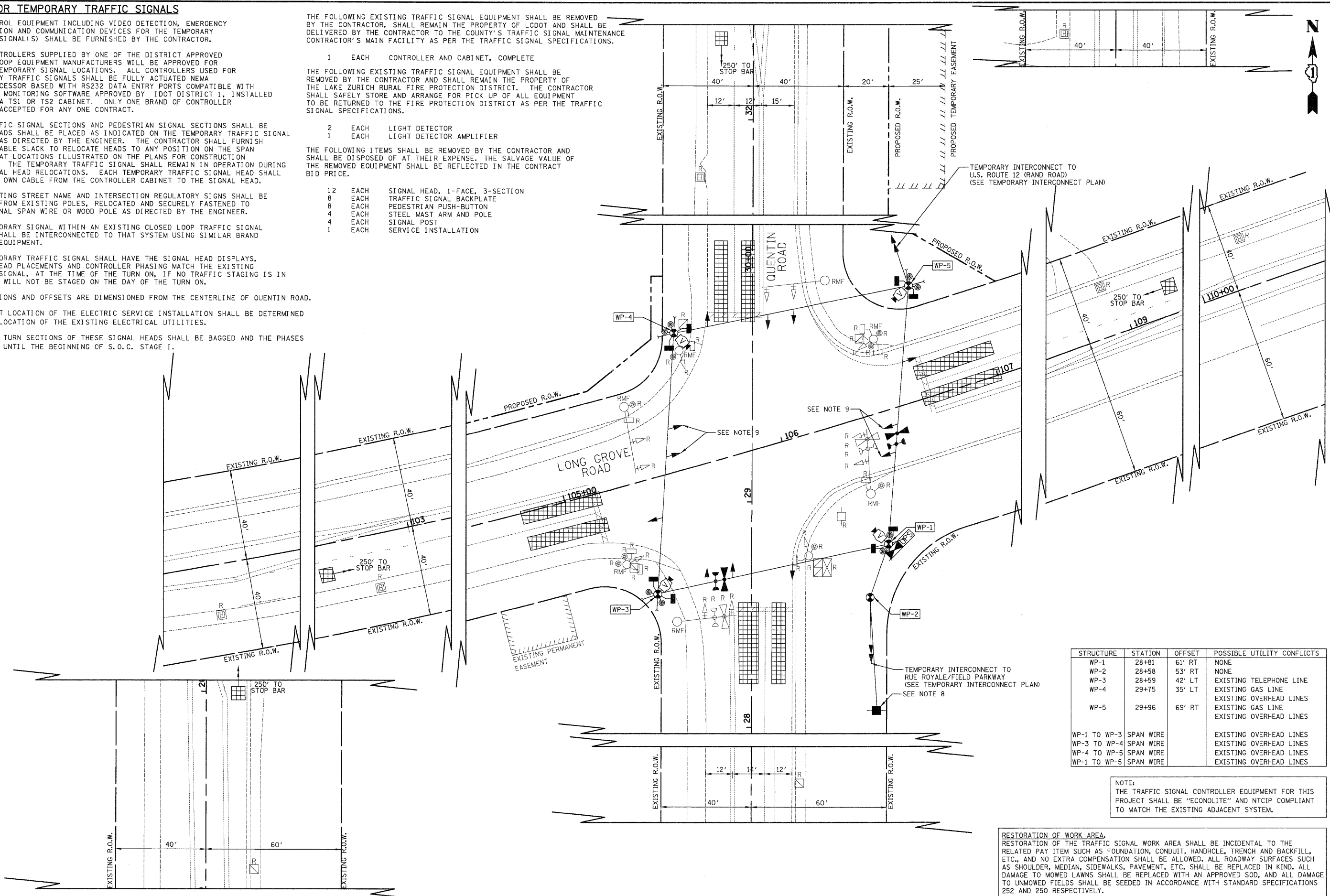
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 12 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 8 EACH PEDESTRIAN PUSH-BUTTON
- 4 EACH STEEL MAST ARM AND POLE
- 4 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION

DATE	
BY	
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	

DATE	
BY	
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	
DATE	
BY	
NO.	



STRUCTURE	STATION	OFFSET	POSSIBLE UTILITY CONFLICTS
WP-1	28+81	61' RT	NONE
WP-2	28+58	53' RT	NONE
WP-3	28+59	42' LT	EXISTING TELEPHONE LINE
WP-4	29+75	35' LT	EXISTING GAS LINE EXISTING OVERHEAD LINES
WP-5	29+96	69' RT	EXISTING GAS LINE EXISTING OVERHEAD LINES
WP-1 TO WP-3	SPAN WIRE		EXISTING OVERHEAD LINES
WP-3 TO WP-4	SPAN WIRE		EXISTING OVERHEAD LINES
WP-4 TO WP-5	SPAN WIRE		EXISTING OVERHEAD LINES
WP-1 TO WP-5	SPAN WIRE		EXISTING OVERHEAD LINES

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AND NTCP COMPLIANT TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

DESIGNED - BRD	REVISED -
DRAWN - BRD	REVISED -
CHECKED - JJE	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

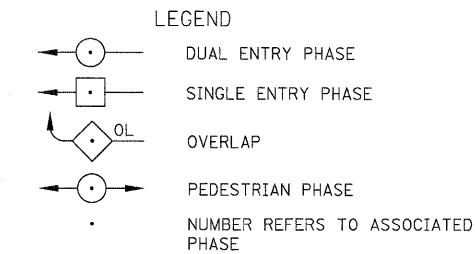
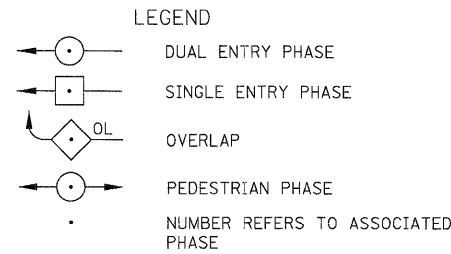
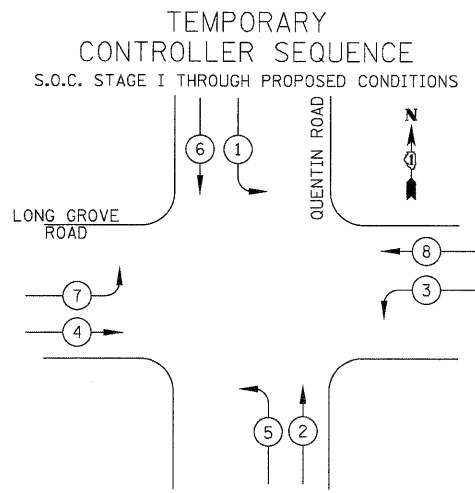
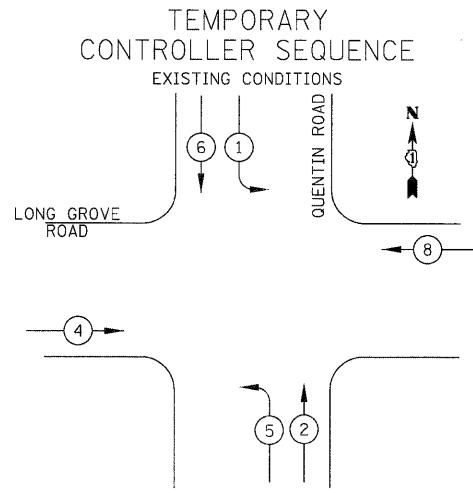


**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
AND REMOVAL PLAN
QUENTIN ROAD AT LONG GROVE ROAD**
 SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	92
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

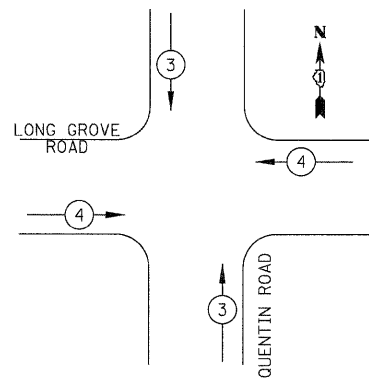
DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



PHASE DESIGNATION DIAGRAM

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

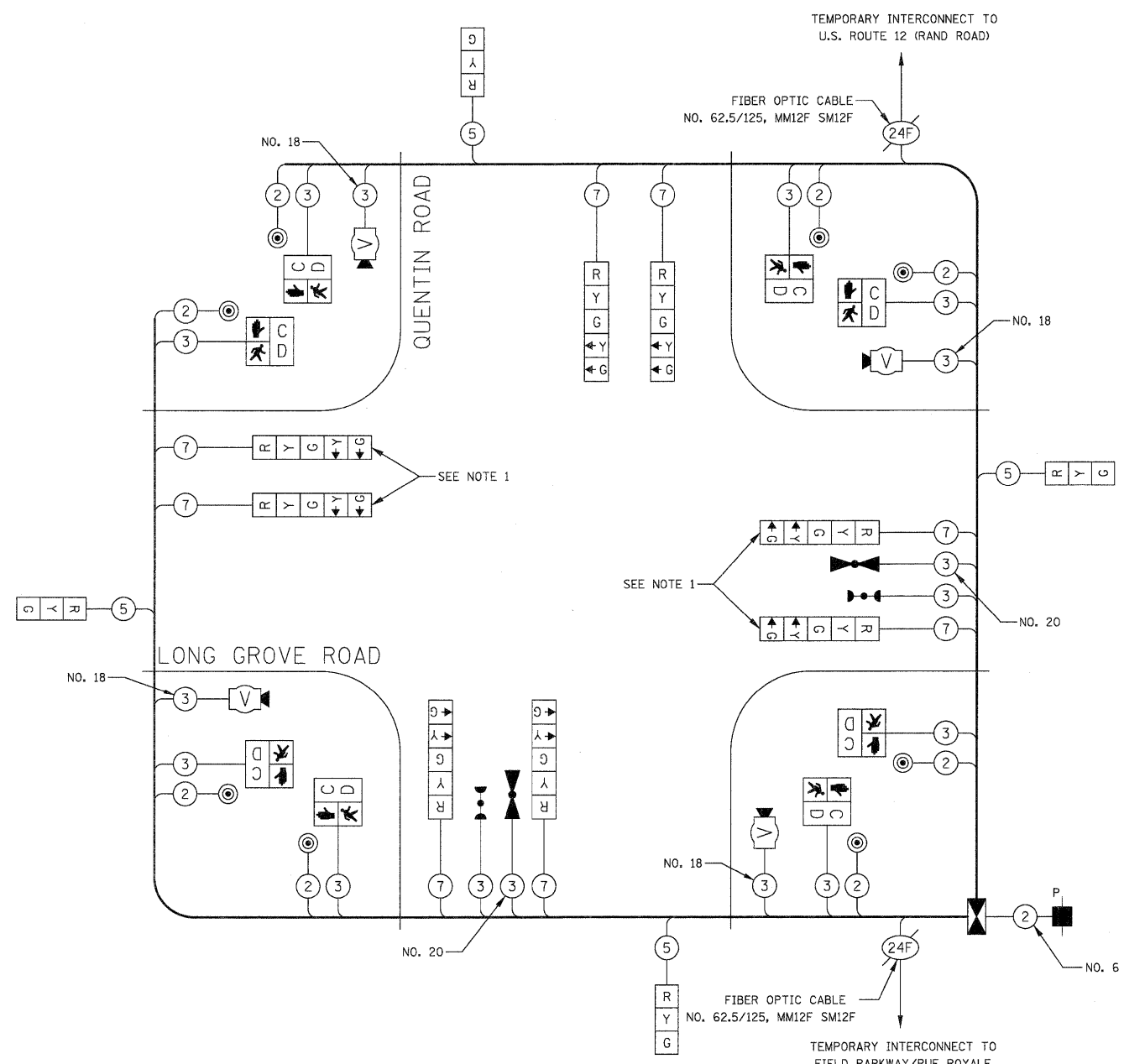


PROPOSED TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑	→

L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	OPERATION	
SIGNAL (RED)	12		10	0.50	60.0
(YELLOW)	12		19	0.25	57.0
(GREEN)	12		11	0.25	33.0
ARROW	16		9	0.10	14.4
CONTROLLER	1		100	1.00	100.0
VIDEO SYSTEM	1		150	1.00	150.0
FLASHER				0.50	
TOTAL =					414.4

ENERGY COSTS TO: LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, IL 60048
CONTACT: DONALD PESCE
PHONE: (847) 870-2057
COMPANY: COM ED

ENERGY SUPPLY:



TEMPORARY CABLE PLAN
NOT TO SCALE

TEMPORARY CABLE PLAN NOTES

- THE LEFT TURN SECTIONS OF THESE SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISABLED UNTIL THE BEGINNING OF S.O.C. STAGE I.

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AND NTCIP COMPLIANT TO MATCH THE EXISTING ADJACENT SYSTEM.

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

DESIGNED - BRD	REVISED -
DRAWN - BRD	REVISED -
CHECKED - JJE	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NO SCALE

**TEMPORARY CABLE PLAN, TEMPORARY SEQUENCE OF OPERATION
& TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
QUENTIN ROAD AT LONG GROVE ROAD**

SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	93
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

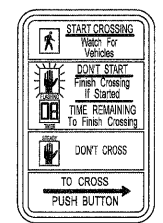
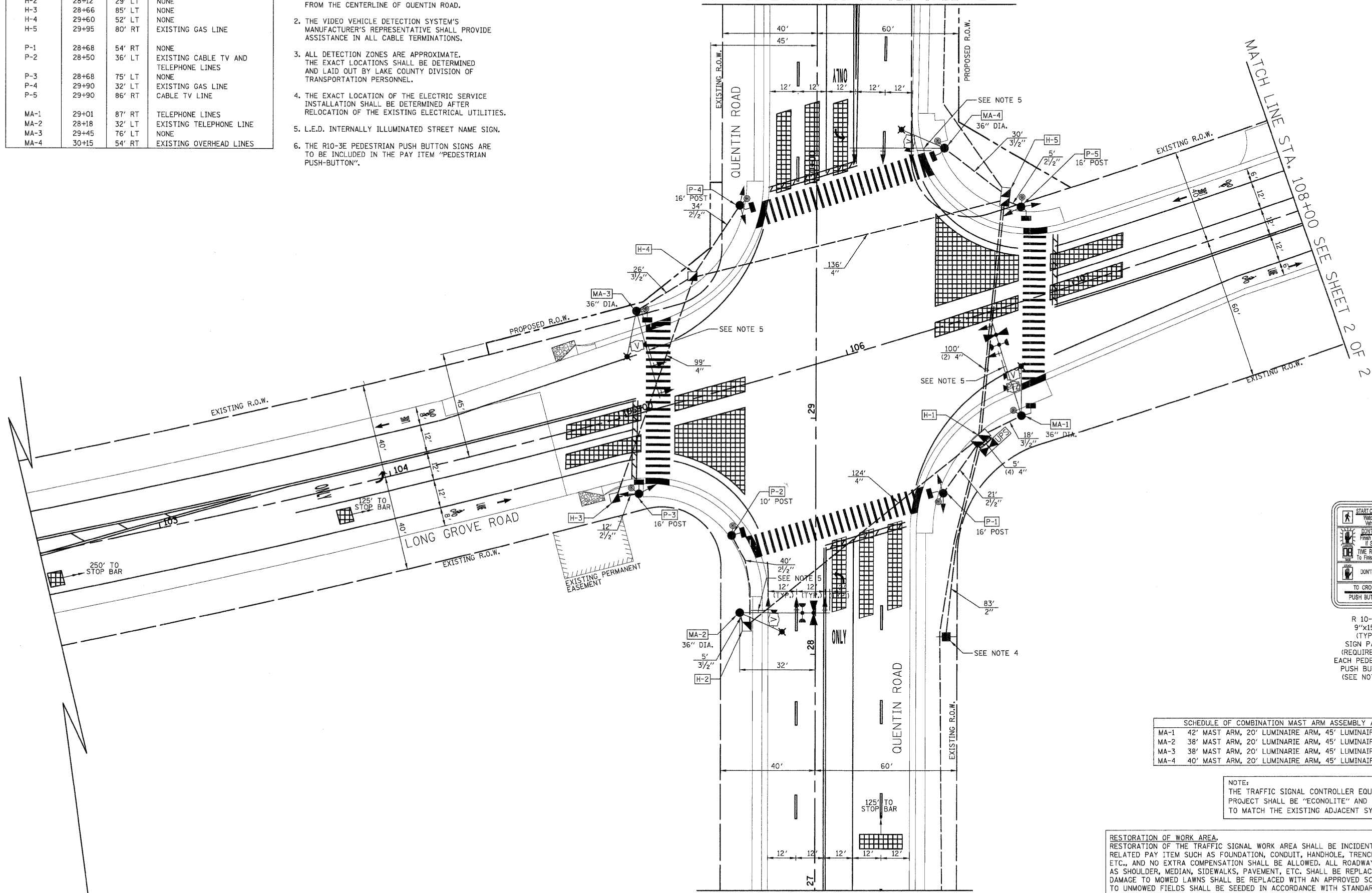


STRUCTURE	STATION	OFFSET	POSSIBLE UTILITY CONFLICTS
H-1	28+92	70' RT	NONE
H-2	28+12	29' LT	NONE
H-3	28+66	85' LT	NONE
H-4	29+60	52' LT	NONE
H-5	29+95	80' RT	EXISTING GAS LINE
P-1	28+68	54' RT	NONE
P-2	28+50	36' LT	EXISTING CABLE TV AND TELEPHONE LINES
P-3	28+68	75' LT	NONE
P-4	29+90	32' LT	EXISTING GAS LINE
P-5	29+90	86' RT	CABLE TV LINE
MA-1	29+01	87' RT	TELEPHONE LINES
MA-2	28+18	32' LT	EXISTING TELEPHONE LINE
MA-3	29+45	76' LT	NONE
MA-4	30+15	54' RT	EXISTING OVERHEAD LINES

TRAFFIC SIGNAL NOTES

1. ALL STATIONS AND OFFSETS ARE DIMENSIONED FROM THE CENTERLINE OF QUENTIN ROAD.
2. THE VIDEO VEHICLE DETECTION SYSTEM'S MANUFACTURER'S REPRESENTATIVE SHALL PROVIDE ASSISTANCE IN ALL CABLE TERMINATIONS.
3. ALL DETECTION ZONES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED AND LAID OUT BY LAKE COUNTY DIVISION OF TRANSPORTATION PERSONNEL.
4. THE EXACT LOCATION OF THE ELECTRIC SERVICE INSTALLATION SHALL BE DETERMINED AFTER RELOCATION OF THE EXISTING ELECTRICAL UTILITIES.
5. L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN.
6. THE R10-3E PEDESTRIAN PUSH BUTTON SIGNS ARE TO BE INCLUDED IN THE PAY ITEM "PEDESTRIAN PUSH-BUTTON".

MATCH LINE STA. 31+00 SEE SHEET 2 OF 2



R 10-3e
9"x15"
(TYP.)
SIGN PANEL
(REQUIRED AT
EACH PEDESTRIAN
PUSH BUTTON)
(SEE NOTE 6)

SCHEDULE OF COMBINATION MAST ARM ASSEMBLY AND POLES			
MA-1	42' MAST ARM, 20' LUMINAIRE ARM, 45' LUMINAIRE MOUNTING HEIGHT		
MA-2	38' MAST ARM, 20' LUMINAIRE ARM, 45' LUMINAIRE MOUNTING HEIGHT		
MA-3	38' MAST ARM, 20' LUMINAIRE ARM, 45' LUMINAIRE MOUNTING HEIGHT		
MA-4	40' MAST ARM, 20' LUMINAIRE ARM, 45' LUMINAIRE MOUNTING HEIGHT		

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AND NTCIP COMPLIANT TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

MATCH LINE STA. 27+00 SEE SHEET 2 OF 2

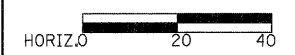
DATE	
BY	
FINAL SURVEY	
FLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

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

DESIGNED - BRD	REVISED -
DRAWN - BRD	REVISED -
CHECKED - JJE	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TRAFFIC SIGNAL MODERNIZATION PLAN
QUENTIN ROAD AT LONG GROVE ROAD

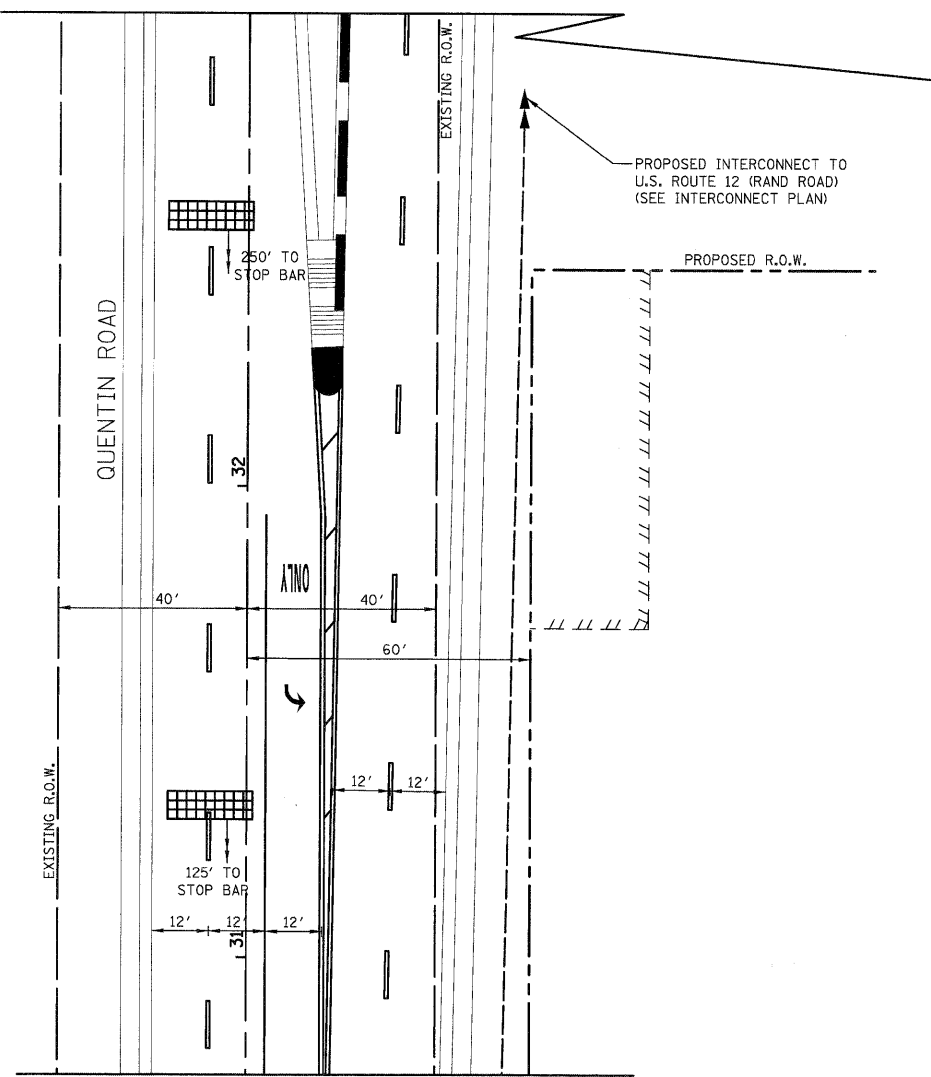
SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	94
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				CONTRACT NO. 63649

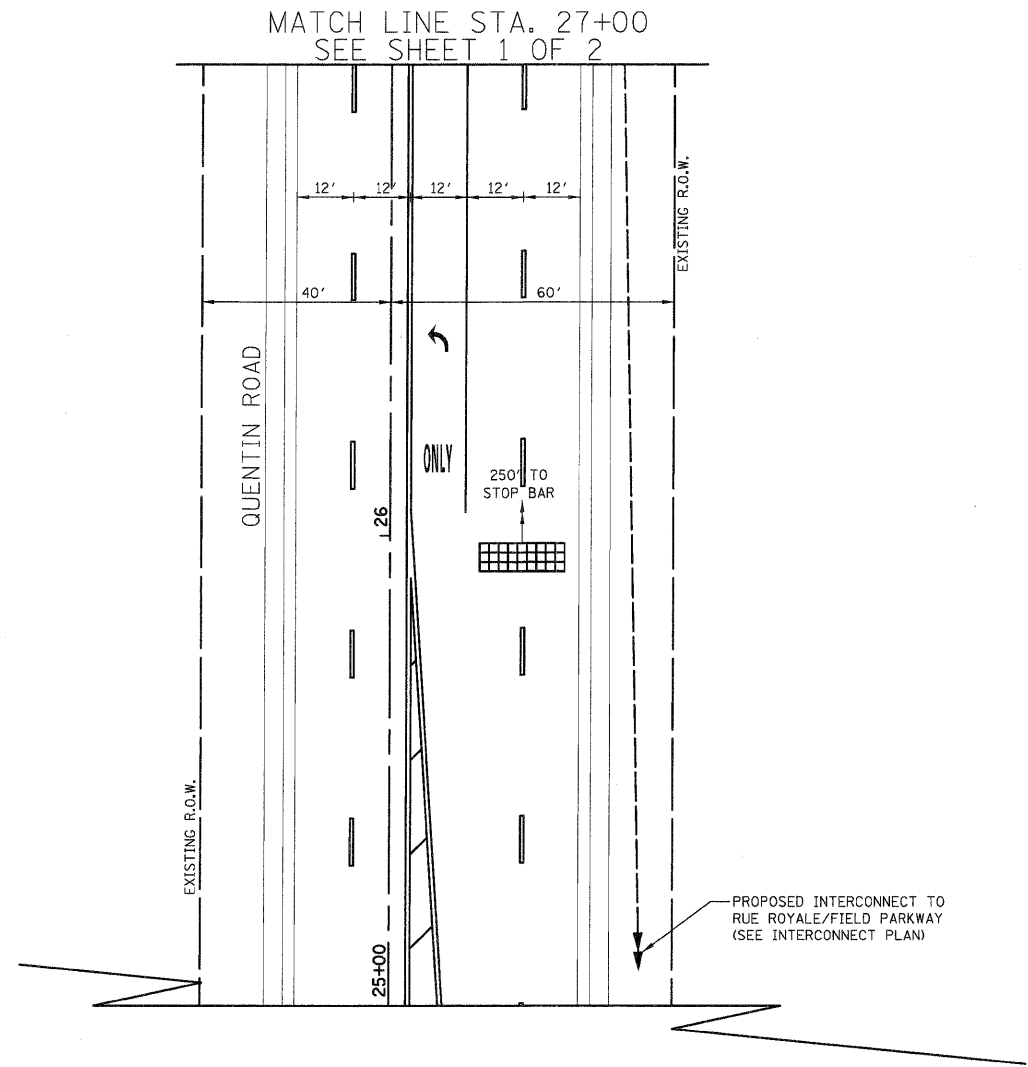


DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

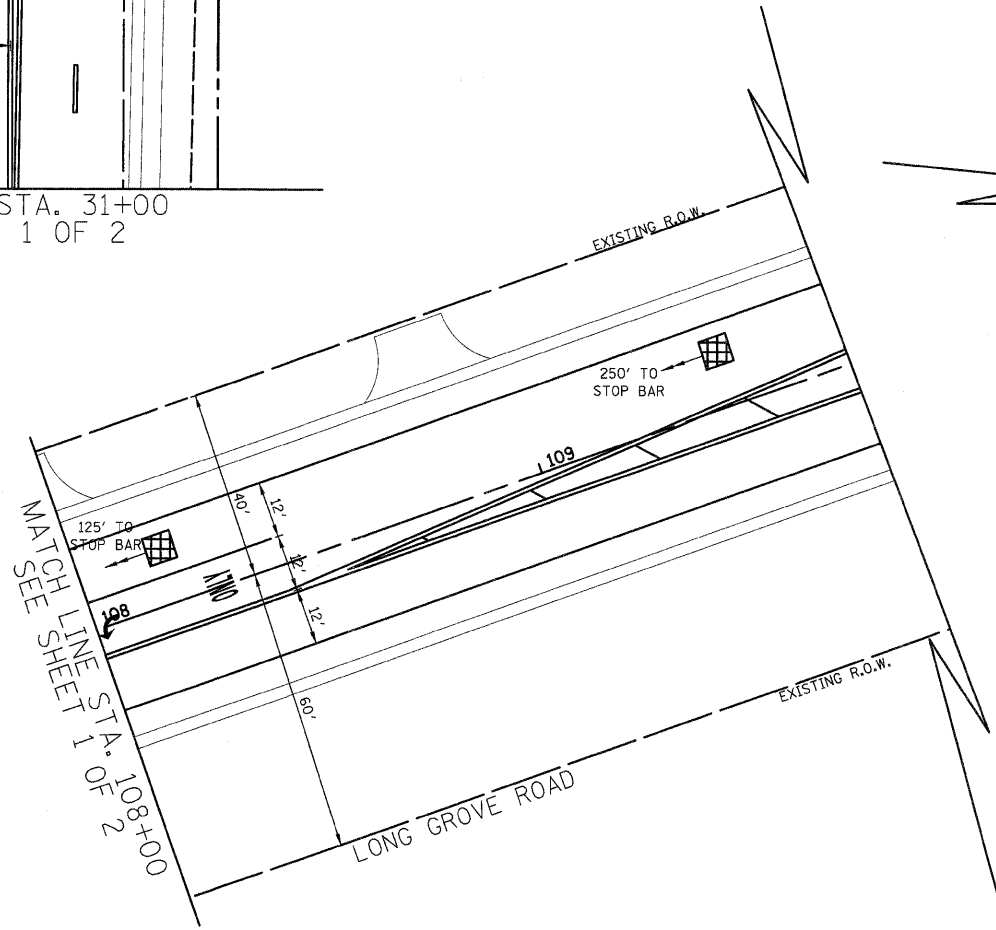
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



MATCH LINE STA. 31+00
SEE SHEET 1 OF 2



MATCH LINE STA. 27+00
SEE SHEET 1 OF 2



MATCH LINE STA. 108+00
SEE SHEET 1 OF 2

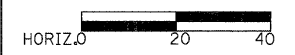
NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AND NTCIP COMPLIANT TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

DESIGNED - BRD	REVISED -
DRAWN - BRD	REVISED -
CHECKED - JJE	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

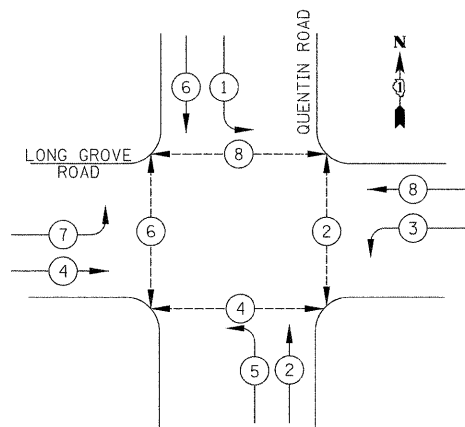


TRAFFIC SIGNAL MODERNIZATION PLAN
QUENTIN ROAD AT LONG GROVE ROAD

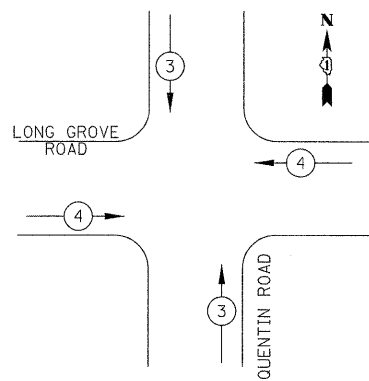
SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	95
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑	→

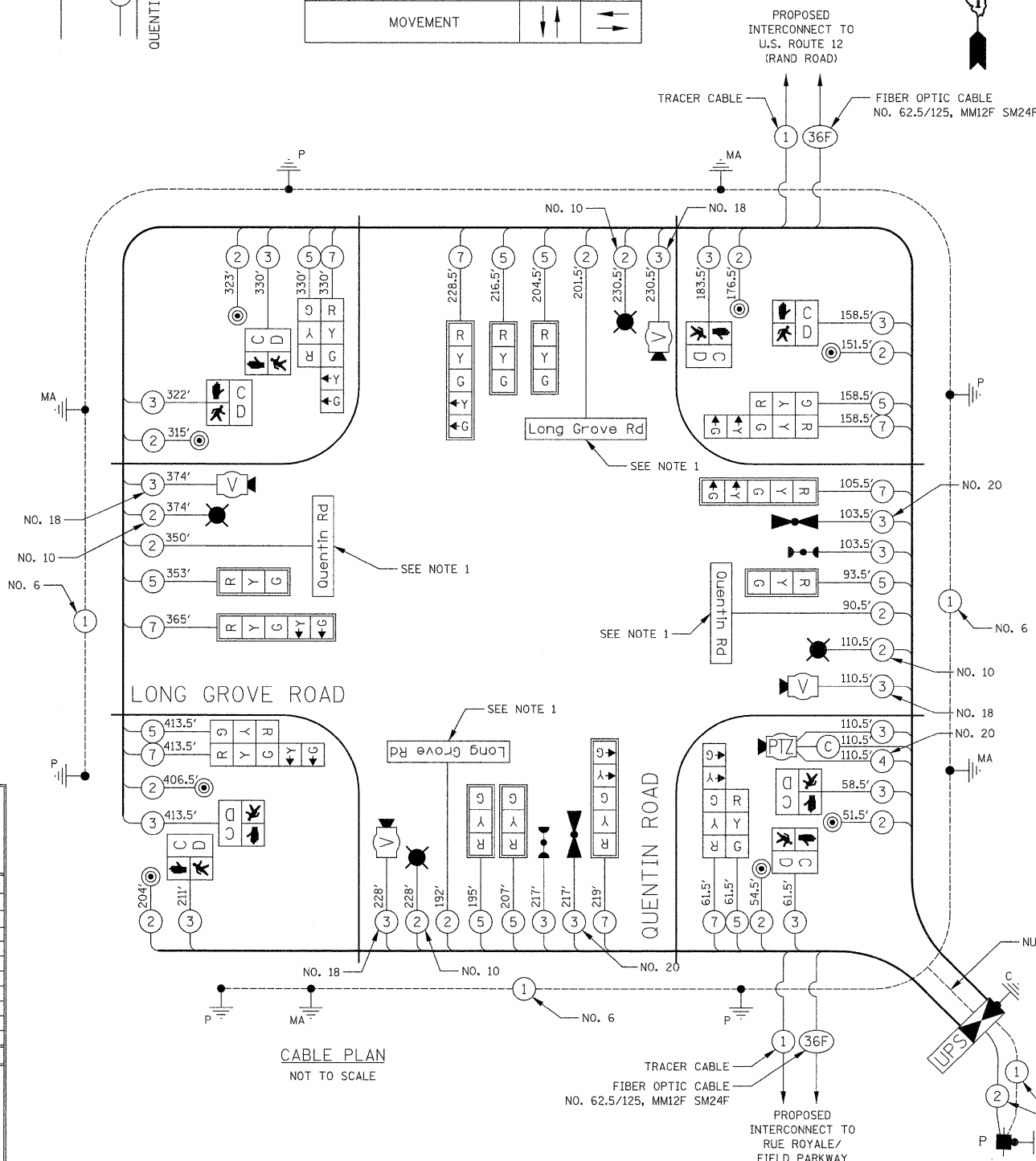
LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

CABLE PLAN NOTES

- L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN



CABLE PLAN
NOT TO SCALE

L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	18		10	0.50	90.0
(YELLOW)	18		19	0.25	85.5
(GREEN)	18		11	0.25	49.5
ARROW	16		9	0.10	14.4
PED. SIGNAL	8		9	1.00	72.0
CONTROLLER	1		100	1.00	100.0
VIDEO SYSTEM	1		150	1.00	150.0
LUMINAIRE	4	250		0.50	500.0
L.E.D. STREET NAME SIGNS	4		64	0.50	128.0
BATTERY BACKUP	1		25	1.00	25.0
FLASHER				0.50	
TOTAL =					1214.4

ENERGY COSTS TO: LAKE COUNTY DIVISION OF TRANSPORTATION
600 W. WINCHESTER ROAD
LIBERTYVILLE, IL 60048
CONTACT: DONALD PESCE
PHONE: (847) 870-2057
COMPANY: COM ED

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

DESIGNED - BRD	REVISED - 11/14/2011
DRAWN - BRD	REVISED - 5/16/2012
CHECKED - JJE	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NO SCALE

CABLE PLAN, SEQUENCE OF OPERATION,
EMERGENCY VEHICLE PREEMPTION SEQUENCE & SCHEDULE OF QUANTITIES
QUENTIN ROAD AT LONG GROVE ROAD

SHEET NO. 1 OF 1 SHEETS

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AND NTCIP COMPLIANT TO MATCH THE EXISTING ADJACENT SYSTEM.

SCHEDULE OF QUANTITIES

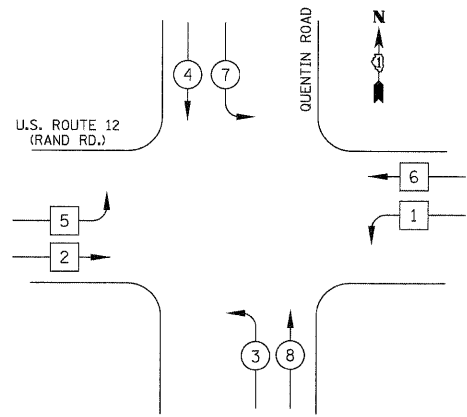
PAY ITEM	UNIT	QNTY.
SERVICE INSTALLATION, POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	83
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2.5" DIA.	FOOT	112
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3.5" DIA.	FOOT	79
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	579
HANDHOLE	EACH	3
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, 600 V (EPR-TYPE RHW) 2-1/C NO. 10	FOOT	948
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	4
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2517
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2170
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2233
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1882
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	107
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	944
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT. (SPECIAL)	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	20
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	12
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	321
VIDEO DETECTION SYSTEM	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C	FOOT	111
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT. (SPECIAL)	EACH	1
TRAFFIC SIGNAL POST, 10 FOOT, (SPECIAL)	EACH	1
TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	4
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATALINK) SWITCH	EACH	1
ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 18 3C	FOOT	948
VIDEO ENCODER	EACH	1
COAXIAL CABLE IN CONDUIT	FOOT	111
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	96
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

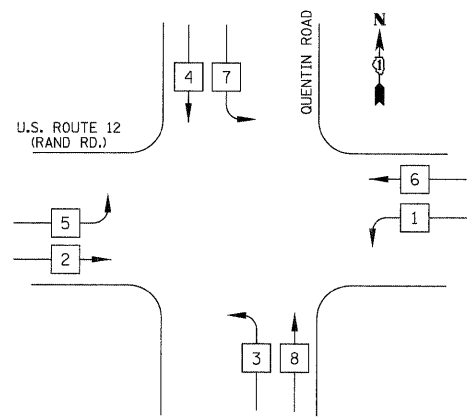
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

TEMPORARY CONTROLLER SEQUENCE
EXISTING CONDITIONS THROUGH S.O.C. STAGE II

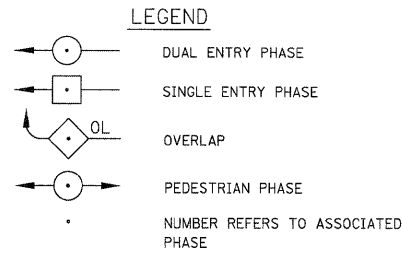


PHASE DESIGNATION DIAGRAM

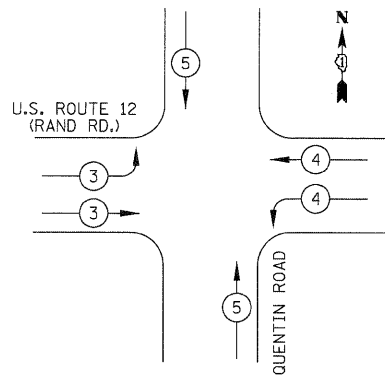
TEMPORARY CONTROLLER SEQUENCE
S.O.C. STAGE III THROUGH FINAL CONDITIONS



PHASE DESIGNATION DIAGRAM



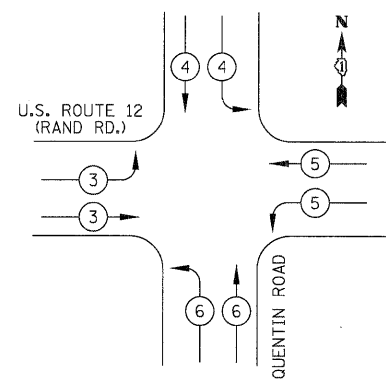
TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
EXISTING CONDITIONS THROUGH S.O.C. STAGE II



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
S.O.C. STAGE III THROUGH FINAL CONDITIONS



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	20		17	0.50	170
(YELLOW)	20		25	0.25	125
(GREEN)	20		15	0.25	75
ARROW	8		12	0.10	10
PED. SIGNAL			25	1.00	
CONTROLLER	1		100	1.00	100
VIDEO SYSTEM	1		150	1.00	150
FLASHER				0.50	
TOTAL =					630

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
ENERGY SUPPLY: CONTACT: DONALD PESCE
PHONE: (847) 870-2057
COMPANY: COM ED

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

DESIGNED - BRD
DRAWN - BRD
CHECKED - JJE
DATE - 10/24/2011

REVISED -
REVISED -
REVISED -
REVISED -

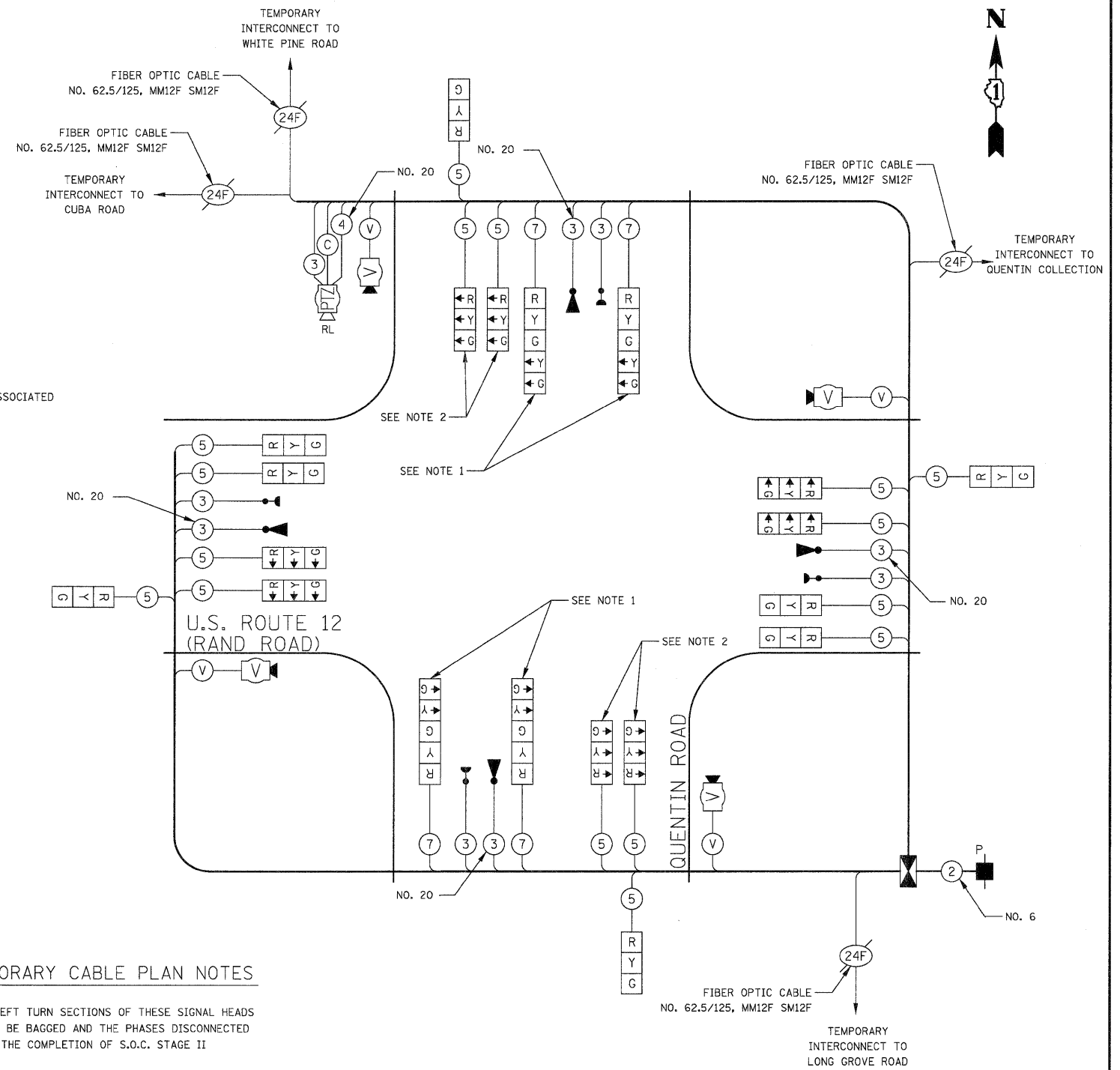
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

NO SCALE

**TEMPORARY CABLE PLAN, TEMPORARY SEQUENCE OF OPERATION,
& TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
U.S. ROUTE 12 (RAND RD.) AT QUENTIN ROAD**

SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	98
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63649	



TEMPORARY CABLE PLAN NOTES

1. THE LEFT TURN SECTIONS OF THESE SIGNAL HEADS SHALL BE BAGGED AND THE PHASES DISCONNECTED UPON THE COMPLETION OF S.O.C. STAGE II
2. THESE HEADS SHALL BE TURNED ON AND THE PHASES ACTIVE UPON THE START OF S.O.C. STAGE III

TEMPORARY CABLE PLAN
NOT TO SCALE

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AND NTCIP COMPLIANT TO MATCH THE EXISTING ADJACENT SYSTEM.

MATCH LINE STA 2+00
SEE SHEET 2 OF 2

TRAFFIC SIGNAL NOTES

1. THE EXACT LOCATION OF THE ELECTRIC SERVICE INSTALLATION SHALL BE DETERMINED AFTER RELOCATION OF THE EXISTING ELECTRICAL UTILITIES.
2. THE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM SHALL BE RELOCATED TO THE NEW STEEL COMBINATION MAST ARM ASSEMBLY ON THE SOUTHEAST CORNER.
3. THE EXISTING VIDEO SWITCH AND ENCODER SHALL BE RELOCATED FROM THE TEMPORARY SIGNAL TO THE PROPOSED CONTROLLER CABINET.
4. REPLACEMENT OF EXISTING CONFIRMATION BEACONS WITH NEW L.E.D. CONFIRMATION BEACONS SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM "UNINTERRUPTIBLE POWER SUPPLY."
5. A RED-LIGHT ENFORCEMENT CAMERA IS IN OPERATION AT THIS LOCATION. INQUIRIES REGARDING THE ENFORCEMENT CAMERA SHOULD BE DIRECTED TO THE FOLLOWING:
MUNICIPALITY: CMDR. ROBERT ZUJEWSKI
VILLAGE OF KILDEER POLICE DEPARTMENT
(847) 366-5837
CAMERA VENDOR: MELISSA BENDER
REDSPEED ILLINOIS
(630) 317-5700

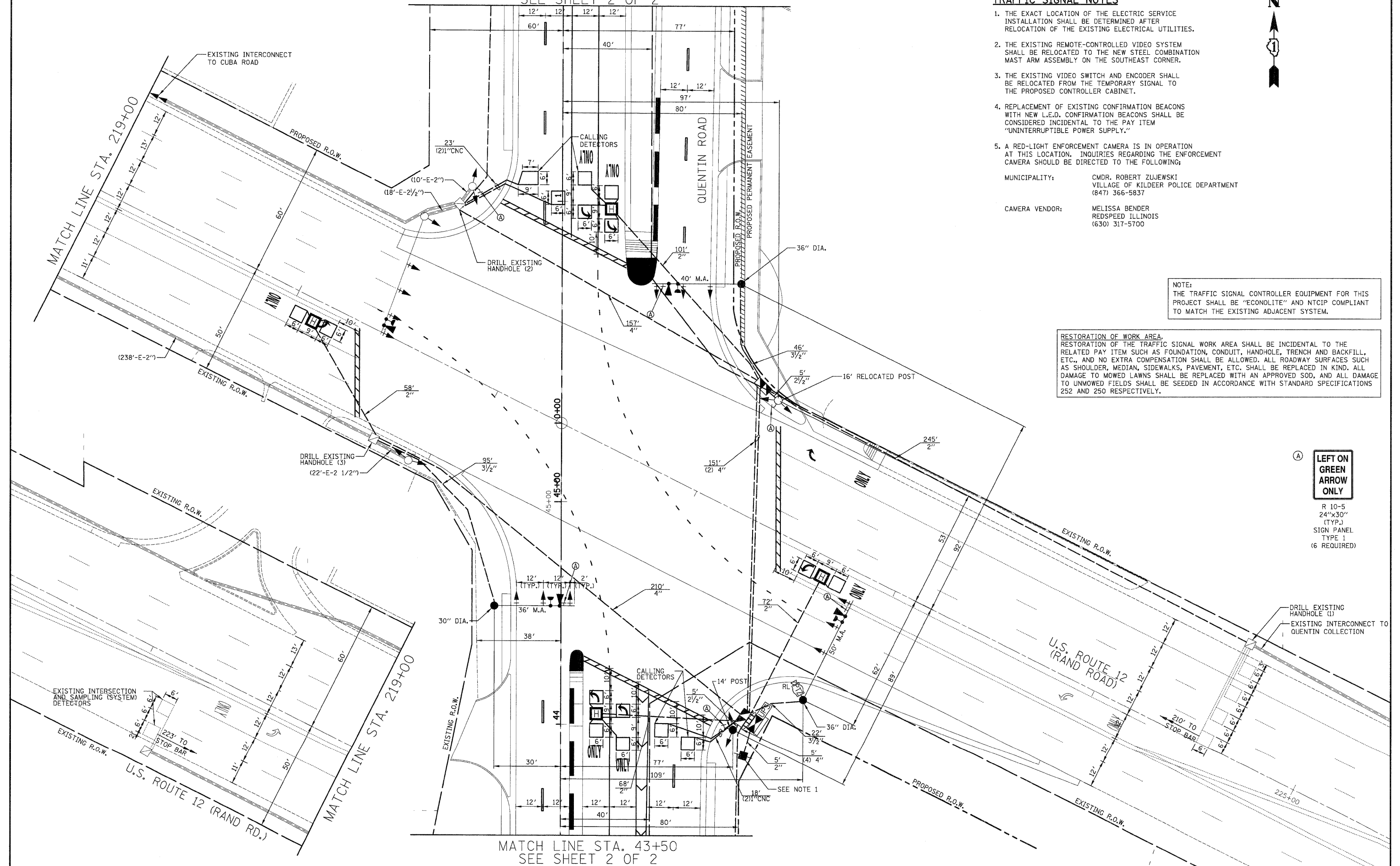


NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AND NTCIP COMPLIANT TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

(A) **LEFT ON GREEN ARROW ONLY**

R 10-5
24"x30"
(TYP.)
SIGN PANEL
TYPE 1
(6 REQUIRED)



MATCH LINE STA. 43+50
SEE SHEET 2 OF 2

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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

DESIGNED - BRD	REVISED -
DRAWN - BRD	REVISED -
CHECKED - JJE	REVISED -
DATE - 10/24/2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



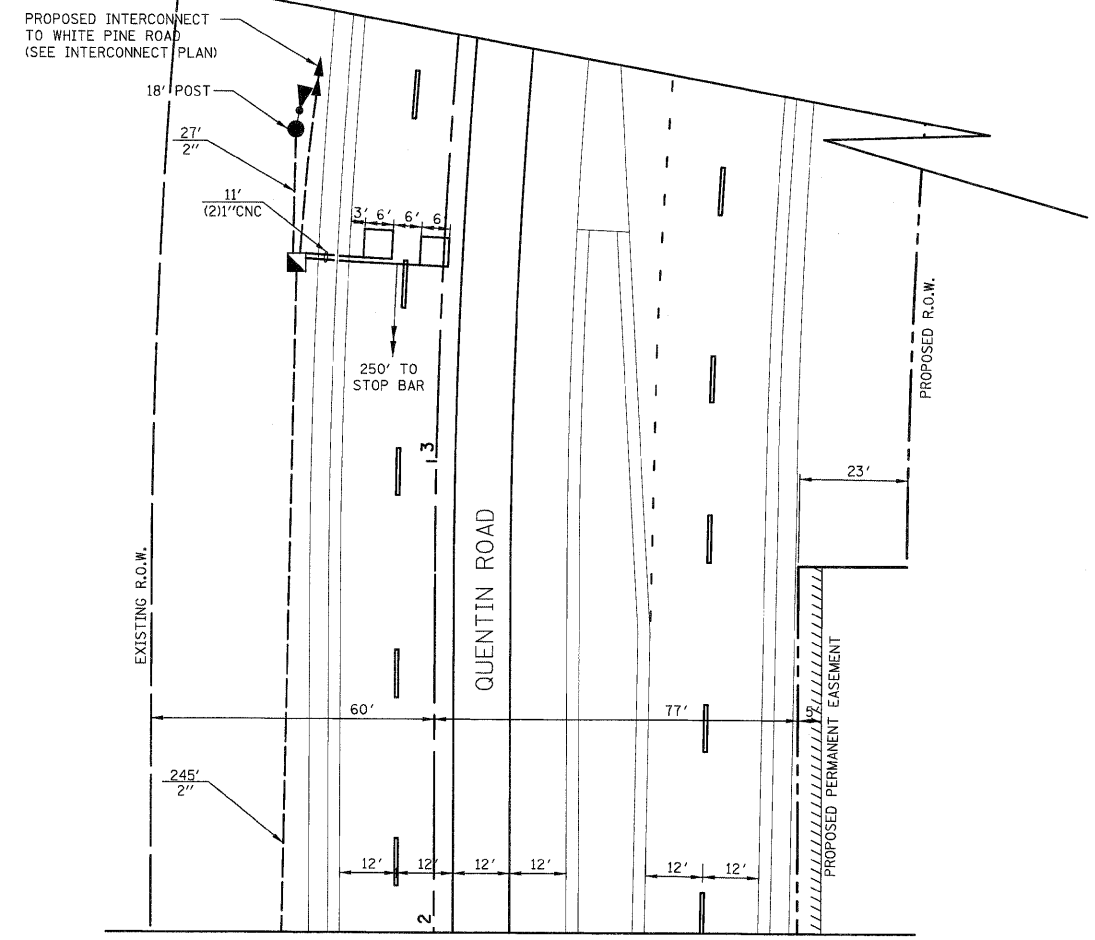
**TRAFFIC SIGNAL MODIFICATION PLAN
U.S. ROUTE 12 (RAND RD.) AT QUENTIN ROAD**

SHEET NO. 2 OF 2 SHEETS

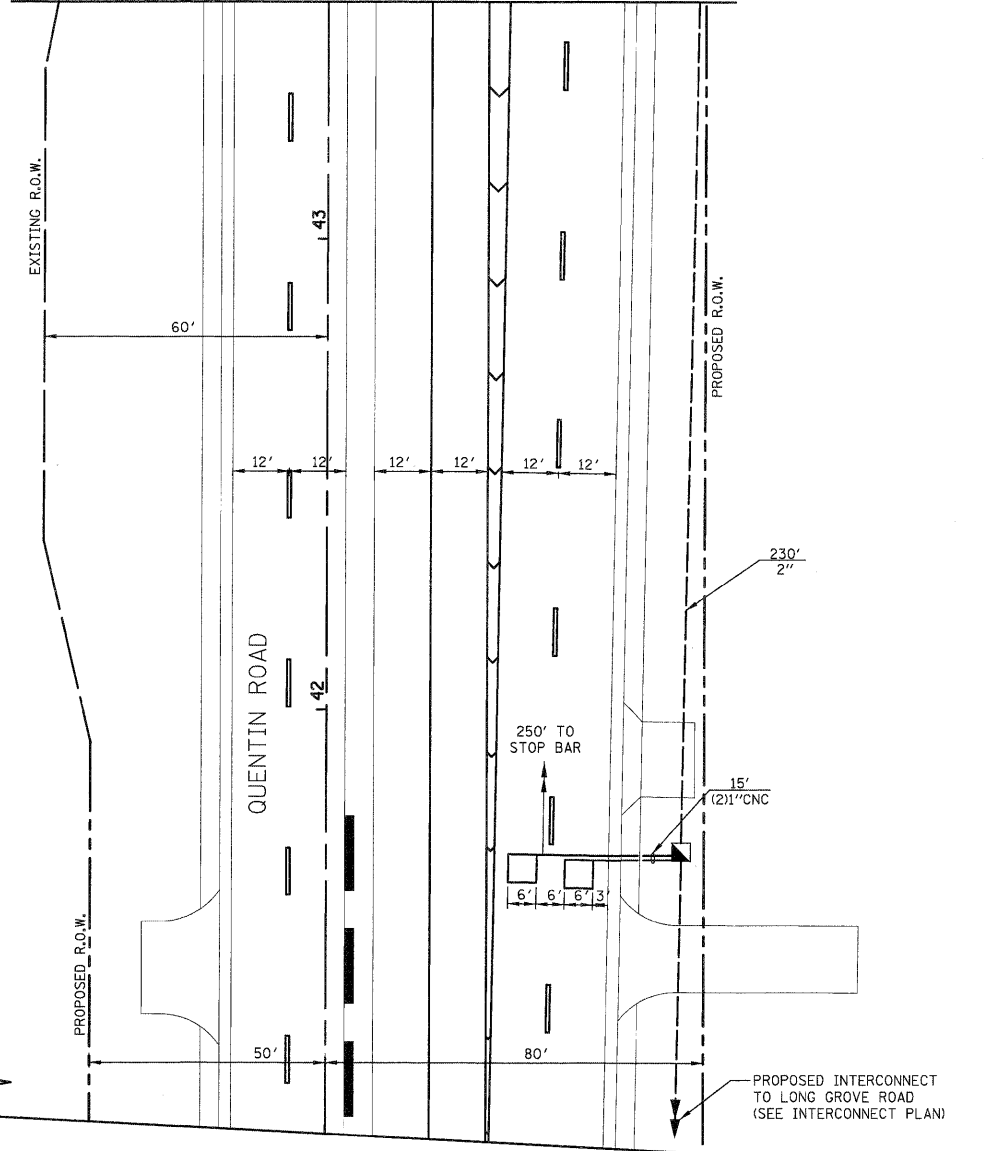
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	99
CONTRACT NO. 63649				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 43+50
SEE SHEET 1 OF 2



MATCH LINE STA. 2+00
SEE SHEET 1 OF 2



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" AND NTCIP COMPLIANT TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

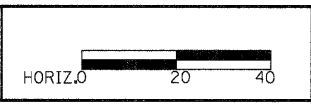
DATE	
BY	
FINAL SURVEY	
SURVEYED	
NOTE BOOK	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

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

450 E Devon Ave, Suite 300
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

DESIGNED - BRD	REVISED -
DRAWN - BRD	REVISED -
CHECKED - JJE	REVISED -
DATE - 10/24/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TRAFFIC SIGNAL MODIFICATION PLAN
U.S. ROUTE 12 (RAND RD.) AT QUENTIN ROAD

SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	02-00051-08-WR	LAKE	188	100
FED. ROAD DIST. NO. 1				ILLINOIS FED. AID PROJECT

CONTRACT NO. 63649