

IDOT HIGHWAY STANDARDS

Table listing IDOT Highway Standards with columns for Item No., Description, and Date.

LCDOT HIGHWAY STANDARDS

Table listing LCDOT Highway Standards with columns for Item No., Description, and Date.

GENERAL

- 1. ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
2. 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...

GENERAL (CONTINUED)

- 5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, LAKE COUNTY DIVISION OF TRANSPORTATION (847) 377-7400, LAKE COUNTY PUBLIC WORKS (847) 878-3428, THE VILLAGE OF ROUND LAKE (847) 270-9531, THE VILLAGE OF ROUND LAKE PUBLIC WORKS (847) 546-0962, THE VILLAGE OF ROUND LAKE PARK PUBLIC WORKS (847) 812-9171, THE VILLAGE OF HAINESVILLE (847) 223-2032, 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.
6. THE CONTRACTOR SHALL LIMIT ANY DROP-OFF BETWEEN LANES TO 1-3/4" DURING ANY OVERNIGHT PERIOD.

GENERAL (CONTINUED)

- 22. THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO ARTICLE 201.01(g) OF THE STANDARD SPECIFICATIONS. REMOVAL OF ALL OBSTRUCTIONS IN THE RIGHT-OF-WAY, THAT ARE NOT INCLUDED IN A SPECIFIC REMOVAL ITEM, SHALL BE CONSIDERED CLEARING AND INCLUDED IN THE COST OF THE CONTRACT. THIS SHALL INCLUDE, BUT NOT LIMITED TO, FENCES, WALLS, FOUNDATIONS, BUILDINGS, ACCUMULATIONS OF RUBBISH OF WHATEVER NATURE, OLD TYPE III BARRICADES, OLD WATER HEATERS, OLD CMP PIPE, RUBBER TIRES, CONCRETE BLOCKS, UTILITY ANCHORS, METAL PARTS, ABANDONED WOODEN POWER POLES, GATES, AND ALL VEGETATION, TREES, SHRUBS, ETC., LESS THAN 6" IN DIAMETER.
23. 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.

STORM SEWERS, STRUCTURES, AND UTILITIES

- 34. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "G.U.I.E." AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
35. 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.

CIVILTECH logo and contact information: 450 E Devon Ave, Suite 300 Itasca, Illinois 60143

Table with columns for Design/Drawn/Checked/Date and PK/RR/RTM/177/2013.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

Table with columns for F.A.U. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., and CONTRACT NO. 63765.

**STORM SEWERS, STRUCTURES, AND UTILITIES (CONTINUED)**

39. ALL EXISTING FRAMES, GRATES, AND LIDS THAT ARE BEING REPLACED SHALL REMAIN THE PROPERTY OF THE LAKE COUNTY PUBLIC WORKS, OR THE VILLAGE OF ROUND LAKE, OR THE VILLAGE OF HAINESVILLE. 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.
40. 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.
41. ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES, UNLESS INDICATED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE ENGINEER. COMMON BRICK WILL NOT BE ALLOWED. ALL TYPE B GRATES ON RESTRICTED DEPTH DRAINAGE STRUCTURES SHALL BE ADJUSTED TO PLAN GRADE WITH 4" MINIMUM CONCRETE ADJUSTMENT RINGS.
42. "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.
43. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE. FLAT TOPS AND CONES ARE TO BE TURNED SO THAT THE FRAME IS CLOSEST TO THE CENTER LINE OF THE ROAD, UNLESS OTHERWISE NOTED ON THE STRUCTURE IN THE PLANS.
44. 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.
45. 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.
46. THE CONTRACTOR SHALL MAINTAIN FLOWS THROUGH 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.
47. 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.
48. 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.
49. REMOVAL OF FLARED END SECTIONS SHALL BE PAID FOR AS "STORM SEWER REMOVAL."
50. AT LOCATIONS WHERE THE PROPOSED STORM SEWER CROSSES OVER UTILITIES, A 4" STYROFOAM CUSHION SHALL BE PLACED UNDER THE STORM SEWER WHEN DIRECTED TO DO SO BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
51. EXISTING STORM SEWERS AND EXISTING STORM SEWER STRUCTURES SHALL BE CLEANED AS DIRECTED BY THE ENGINEER. A QUANTITY HAS BEEN INCLUDED IN THE CONTRACT.
52. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 WILL NOT BE ALLOWED.
53. THE CONTRACTOR SHALL DETERMINE WHEN FLAT SLAB TOPS ARE REQUIRED ON DRAINAGE STRUCTURES, NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE USE OF FLAT SLAB TOPS.

**STORM SEWERS, STRUCTURES, AND UTILITIES (CONTINUED)**

54. 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.
  55. HALF TRAPS SHALL BE PROVIDED THROUGHOUT THE PROJECT WHERE INDICATED TO PROVIDE A MEANS OF KEEPING STORM SEWER OUTFALLS CLEAN. THE DROP PORTION OF INLET SHALL RETAIN ALL SOLID MATERIAL AND THE TRAP SHALL PREVENT ALL FLOATING DEBRIS FROM ENTERING OUTLET PIPE. THE COST OF CONSTRUCTING HALF TRAPS SHALL BE INCLUDED IN THE COST OF THE CATCH BASIN BEING CONSTRUCTED.
  56. ALL STRUCTURES DESIGNATED TO BE ADJUSTED, SPECIAL ADJUSTED OR RECONSTRUCTED SHALL HAVE NEW FRAMES, LIDS AND GRATES PROVIDED AT THE DIRECTION OF THE ENGINEER.
- DRIVEWAYS AND ENTRANCES**
57. ALL HMA DRIVEWAYS SHALL BE REPLACED WITH HMA AND ALL PCC DRIVEWAYS SHALL BE REPLACED WITH PCC UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
  58. ALL EXCAVATION REQUIRED TO CONSTRUCT NEW DRIVEWAYS SHALL BE PAID FOR AS "DRIVEWAY PAVEMENT REMOVAL".
  59. 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.
  60. EXISTING HMA DRIVES SHALL BE SAW CUT AT THE LIMITS OF CONSTRUCTION LINE. THE SURFACE SHALL BE REMOVED TO THE SAW CUT. THE AGGREGATE BASE SHALL BE APPROPRIATELY PREPARED, AND THE DRIVEWAY SHALL BE RESURFACED WITH 2-1/2 INCHES OF HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50.
  61. EXISTING P.C. CONCRETE DRIVES SHALL BE SAW CUT AT THE LIMITS OF CONSTRUCTION LINE AND REMOVED. THE DRIVE SHALL BE RECONSTRUCTED TO THE SAME WIDTH WITH 6 INCHES OF AGGREGATE BASE AND 6 INCHES OF P.C. CONCRETE (RE) OR 8 INCHES OF P.C. CONCRETE (CE) UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
  62. THE STATIONS NOTED FOR DRIVEWAYS REFER TO THE POSITION OF THE CENTER OF THE DRIVEWAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYOUT OF EACH DRIVEWAY BASED UPON LDCOT PRIVATE, COMMERCIAL, AND FIELD ENTRANCE STANDARD DETAILS.
  63. WHEN THE PCC SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS (BUT NOT LESS THAN 5"). SIDEWALK WILL BE PAID FOR AS PCC SIDEWALK 5" REGARDLESS OF THE THICKNESS. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

**PAVEMENT MARKING**

64. 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 BINDER COURSE
  - D) AFTER PLACEMENT OF A PRIME COAT
  - E) AFTER PLACEMENT OF THE SURFACE COURSE
65. ITEMS CATEGORIZED AS "TEMPORARY PAVEMENT MARKING" PROVIDE FOR TWO APPLICATIONS.
66. ITEMS UNDER THE GENERAL HEADING OF "THERMOPLASTIC PAVEMENT MARKING" PROVIDE FOR ONE APPLICATION.

**SIGNING, STRIPING & LANDSCAPING**

67. 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.
68. ALL UNUSED SIGNS SHALL BE RETURNED TO THE VILLAGE OF ROUND LAKE, THE VILLAGE OF ROUND LAKE PARK, THE VILLAGE OF HAINESVILLE OR LAKE COUNTY DIVISION OF TRANSPORTATION AT THE DIRECTION OF THE ENGINEER.
69. 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.
70. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SEDED/SOURED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS.
71. 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.
72. TEMPORARY FENCE SHALL BE PLACED THROUGHOUT THE LIMITS OF THE PROJECT AND AT THE DIRECTION OF THE ENGINEER. IT SHALL ALSO BE PLACED AROUND ALL TREES THAT ARE TO BE PROTECTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SEE SPECIAL PROVISIONS FOR MORE DETAIL.

**SIGNING, STRIPING & LANDSCAPING (CONTINUED)**

73. TWO MOBILIZATIONS FOR LANDSCAPING WILL BE REQUIRED FOR THIS PROJECT TO PLACE PERMANENT LANDSCAPING ON NORTH SIDE OF WASHINGTON STREET IN STAGE OF CONSTRUCTION 1 AND SOUTH SIDE IN STAGE OF CONSTRUCTION 2. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE ADDITIONAL MOBILIZATIONS.
  74. PHOSPHORUS FERTILIZER NUTRIENT SHALL NOT BE USED ON LAKE COUNTY HIGHWAYS.
  75. MORE THAN ONE MOBILIZATION FOR TREE REMOVAL WILL BE REQUIRED FOR THIS PROJECT. THE FIRST MOBILIZATION WILL REMOVE ANY TREES AS IDENTIFIED ON THE PROPOSED PLANS AND SUBSEQUENT MOBILIZATIONS WILL REMOVE ANY TREES IMPACTED BY THE INSTALLATION OF THE UTILITIES AND WORK BEHIND THE BACK OF CURB. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE ADDITIONAL MOBILIZATIONS.
  76. 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 LDCOT.
- SURVEY**
77. VERTICAL CONTROL REFERENCED TO NGVD 1929.
- | BENCHMARK TABLE |                        |   |           |
|-----------------|------------------------|---|-----------|
| NUMBER          | STA & OFFSET           | DESCRIPTION   | ELEVATION |
| B.M. #1-42AR    | 62+79.11<br>34.15' RT  | FOUND CROSS CUT IN SOUTHEAST CORNER OF TRAFFIC SIGNAL HANDHOLE IN THE SOUTHWEST QUADRANT OF THE INTERSECTION OF WASHINGTON STREET AND HAINESVILLE ROAD. | 802.84    |
| REFERENCE B.M.  | 63+34.34<br>37.80' RT  | FOUND BENCHMARK SPIKE IN POWER POLE IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF WASHINGTON STREET AND HAINESVILLE ROAD.                            | 804.28    |
| T.B.M. #1       | 200+58.02<br>65.60' RT | FOUND CROSS CUT IN NORTHERLY FLANGE BOIT OF FIRE HYDRANT IN THE SOUTH QUADRANT OF THE INTERSECTION OF CEDAR LAKE ROAD AND WASHINGTON STREET.            | 764.96    |
| T.B.M. #2       | 20+32.93<br>27.67' LT  | RAILROAD SPIKE SET IN POWER POLE ON THE NORTH SIDE OF WASHINGTON STREET 4' WEST OF THE CENTERLINE OF BEECHWOOD DRIVE EXTENDED.                          | 785.20    |
| T.B.M. #3       | 34+10.10<br>28.57' LT  | RAILROAD SPIKE SET IN POWER POLE ON THE NORTH SIDE OF WASHINGTON STREET 153' EAST OF THE EAST R.O.W. LINE OF CLIFTON DRIVE.                             | 793.77    |
| T.B.M. #4       | 47+28.63<br>31.18' RT  | RAILROAD SPIKE SET IN POWER POLE ON THE SOUTH SIDE OF WASHINGTON STREET 120' EAST OF THE EAST R.O.W. LINE OF PROSPECT DRIVE.                            | 811.36    |
78. BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD 83(2007) EAST ZONE.
  79. SURFACE COORDINATES ARE SHOWN.
  80. THE CONTRACTOR SHALL INSTALL SURVEY MONUMENTS AT LOCATIONS INDICATED. THE LDCOT WILL SUPPLY THE MONUMENTS. A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MONUMENTS EXCEPT IN AREAS WHERE THE MONUMENT IS IN THE SIDEWALK. WORK SHALL BE PAID FOR AS "SURVEY MONUMENTS."
  81. 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 S.U.L.L.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**

<b>LAKE COUNTY DIV. OF TRANS.</b> (TO BE DETERMINED) RESIDENT ENGINEER 600 W. WINCHESTER ROAD LIBERTYVILLE, IL 60048-1381 PH: 847.377.7400 FX: 847.984.5601	<b>AT&amp;T CORP.</b> MR. HECTOR GARCIA LEGAL MANDATE ENGINEERING 1000 COMMERCE DRIVE, FLOOR 2 OAK BROOK, IL 60523 PH: 630.573.5703 FX: 847.474.7423 ng2929eat+.com	<b>VILLAGE OF ROUND LAKE</b> PUBLIC WORKS DEPARTMENT DORON KRKOOP DIRECTOR OF PUBLIC WORKS 751 W. TOWNLINE ROAD ROUND LAKE, IL 60073 PH: 847.546.0962 FX: 847.740.3576 rkrkoop@roundlake.com
<b>LAKE COUNTY PUBLIC WORKS</b> MR. GORDON WHITE, P.E. PRINCIPAL CIVIL ENGINEER 650 WINCHESTER RD. LIBERTYVILLE, IL 60048 PH: 847.377.7500 FX: 847.377.7173 gwhite2@lakecountyil.gov	<b>CENTRAL LAKE COUNTY JOINT</b> ACTION WATER AGENCY (JAWA) MR. BILL SOUCIE OPERATIONS DIRECTOR 200 ROCKLAND RD LAKE BLUFF, IL 60044 PH: 847.582.9215 FX: 847.295.8853 soucie@clcjwa.com	<b>VILLAGE OF HAINESVILLE</b> MR. JEFF CALEY SUPERINTENDENT 100 NORTH HAINESVILLE RD HAINESVILLE, IL 60030 PH: 847.223.2032 FX: 847.223.2274
<b>COMMONWEALTH EDISON COMPANY</b> MS. TERRI BLECK MANAGER, PUBLIC RELOCATION GROUP 1500 FRANKLIN BLVD. LIBERTYVILLE, IL 60048 PH: 847.816.5239 FX: 847.816.5348 terri.bleck@comed.com terri.bleck@xeloncorp.com	<b>COMCAST</b> MR. ROBERT SCHULTER MANAGER 688 INDUSTRIAL DR ELMHURST, IL 60126 PH: 630.600.6347 FX: 630.600.6390 bob.schulter@comcast.com	<b>ROUND LAKE AREA PARK DISTRICT</b> ROBERT W. ROLEK 214 HART ROAD ROUND LAKE, IL 60073 PH: 847.546.8558 FX: 847.740.8180
<b>NCOB GAS</b> MS. CONSTANCE LAKE UTILITY CONSULTANT P.O. BOX 190 AURORA, IL 60507-0190 PH: 630.388.3830 FX: 630.983.4028 clone@ncoor.com	<b>VILLAGE OF ROUND LAKE PARK</b> PUBLIC WORKS DEPARTMENT MR. GEORGE JOHNSON SUPERINTENDENT 37 PORTER DRIVE ROUND LAKE PARK, IL 60073 PH: 847.812.9171 rnelson@roundlakepark.us	<b>PAGE</b> MR. ALLAN LEE SECTION MANAGER PASSENGER AMENITIES PH: 708.649.3231 FX: 708.649.3251 allan.lee@pacebus.com

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**CIVILTECH**  
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DESIGNED - PK	REVISED - 4/10/2013
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	3
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0004	0021	0028	NON-PARTICIPATING	
				ROADWAY	SIGNALS	SIDEWALK/BIKEPATH		
				STP (70/30)	STP (70/30)	STE (30/20)		
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	524	262		262		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	262	131		131		
20101000	TEMPORARY FENCE	FOOT	12,132	6,066		6,066		
20101200	TREE ROOT PRUNING	EACH	25	12		13		
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	25	12		13		
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	25	12		13		
20200100	EARTH EXCAVATION	CU YD	19,462	4,866		14,597		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	5,559	1,390		4,169		
20400800	FURNISHED EXCAVATION	CU YD	4,763	1,191		3,572		
20800150	TRENCH BACKFILL	CU YD	5,092	3,132		1,970		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	37,470	37,470				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	16,080	8,040		8,040		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	22		23		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	22		23		
25100115	MULCH METHOD 2	ACRE	3.5	3.5				
25100630	EROSION CONTROL BLANKET	SQ YD	16,080	8,040		8,040		
25200100	SODDING	SQ YD	15,743	7,871		7,872		
25200200	SUPPLEMENTAL WATERING	UNIT	20	10		10		
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	50	25		25		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	336	168		168		
28000305	TEMPORARY DITCH CHECKS	FOOT	84			84		
28000400	PERIMETER EROSION BARRIER	FOOT	4,394	2,197		2,197		
28000500	INLET AND PIPE PROTECTION	EACH	3	3				
28000510	INLET FILTERS	EACH	131	131				
28100203	STONE RIPRAP, CLASS A2	TON	67	67				
28100207	STONE RIPRAP, CLASS A4	TON	54	54				
28200200	FILTER FABRIC	SQ YD	12	12				
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	944	944				
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	35,194	35,194				
35100110	AGGREGATE BASE COURSE, TYPE A	CU YD	1,825	624		1,201		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	284	284				
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	20,048	20,048				
40600300	AGGREGATE (PRIME COAT)	TON	36	36				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1	1				
40600895	CONSTRUCTING TEST STRIP	EACH	1	1				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	63	63				
40600990	TEMPORARY RAMP	SQ YD	462	462				

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CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0004	0021	0028	NON-PARTICIPATING	
				ROADWAY	SIGNALS	SIDEWALK/BIKEPATH		
				STP (70/30)	STP (70/30)	STE (30/20)		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	13,998	13,998				
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	431	431				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4,388	4,388				
42001300	PROTECTIVE COAT	SQ YD	9,131	3,140		5,991		
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	171	171				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	53,922			53,922		
42400800	DETECTABLE WARNINGS	SQ FT	1,170	1,170				
44000100	PAVEMENT REMOVAL	SQ YD	22,646	22,646				
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	5,594	5,594				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	5,831	5,831				
44000600	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,892	2,892				
44000600	SIDEWALK REMOVAL	SQ FT	9,575			9,575		
44003100	MEDIAN REMOVAL	SQ FT	1,764	1,764				
44004250	PAVED SHOULDER REMOVAL	SQ YD	197	197				
44201726	CLASS D PATCHES, TYPE I, 7 INCH	SQ YD	6					6
44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	74	44				30
44201733	CLASS D PATCHES, TYPE III, 7 INCH	SQ YD	48	18				30
44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	119					119
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	6					6
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	50	25				25
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	2,568	2,568				
48100500	AGGREGATE SHOULDERS, TYPE A 6'	SQ YD	136	136				
60300225	CONCRETE STRUCTURES	CU YD	164	164				
50800105	REINFORCEMENT BARS	POUND	1,380	1,380				
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	560	560				
54213450	END SECTIONS 15'	EACH	1	1				
54213459	END SECTIONS 24'	EACH	1	1				
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2				
550A0050	STORM SEWERS, CLASS A, TYPE I 12"	FOOT	2,965	2,965				
550A0070	STORM SEWERS, CLASS A, TYPE I 15"	FOOT	613	613				
550A0090	STORM SEWERS, CLASS A, TYPE I 18"	FOOT	125	125				
550A0120	STORM SEWERS, CLASS A, TYPE I 24"	FOOT	180	180				
550A0140	STORM SEWERS, CLASS A, TYPE I 30"	FOOT	65	65				
550A0160	STORM SEWERS, CLASS A, TYPE I 36"	FOOT	345	345				
550B0070	STORM SEWERS, CLASS B, TYPE I 15"	FOOT	266	266				

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 DRAWN - JRR  
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 DATE - 12/17/2012  
 REVISED - 4/16/2013  
 REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS, NO.
2187	05-00121-07-WR	LAKE	223 4
CONTRACT NO. 63765			

DATE	
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CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0004	0021	0028	NON-PARTICIPATING
				ROADWAY	SIGNALS	SIDEWALK/BIKEPATH	
				STP (70/30)	STP (70/30)	STE (80/20)	
55100100	STORM SEWER REMOVAL 4"	FOOT	30	30			
55100200	STORM SEWER REMOVAL 6"	FOOT	182	182			
55100300	STORM SEWER REMOVAL 8"	FOOT	77	77			
55100400	STORM SEWER REMOVAL 10"	FOOT	242	242			
55100500	STORM SEWER REMOVAL 12"	FOOT	2,143	2,143			
55100700	STORM SEWER REMOVAL 15"	FOOT	109	109			
55100900	STORM SEWER REMOVAL 18"	FOOT	36	36			
55101200	STORM SEWER REMOVAL 24"	FOOT	67	67			
55101400	STORM SEWER REMOVAL 30"	FOOT	341	341			
*A 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	295	45			250
*A 56103100	DUCTILE IRON WATER MAIN 8"	FOOT	3,729	108			3,621
*A 56103300	DUCTILE IRON WATER MAIN 12"	FOOT	826	826			
*A 56105000	WATER VALVES 8"	EACH	22	5			17
*A 56105200	WATER VALVES 12"	EACH	2	2			
*A 56106400	ADJUSTING WATER MAIN 8"	FOOT	50	50			
*A 56106600	ADJUSTING WATER MAIN 12"	FOOT	50	50			
*A 56400100	FIRE HYDRANTS TO BE MOVED	EACH	3	3			
*A 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1	1			
*A 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	11	3			8
*A 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	13	3			10
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	9	9			
60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	63	63			
60201305	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 15 FRAME AND LID	EACH	1	1			
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1			
60204505	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	3	3			
60204825	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	4	4			
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1			
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	3	3			
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	19	19			
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4			
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1	1			
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	5	5			
60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	34	34			
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	2	2			
60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	22	5			17

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CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0004	0021	0028	NON-PARTICIPATING
				ROADWAY	SIGNALS	SIDEWALK/BIKEPATH	
				STP (70/30)	STP (70/30)	STE (80/20)	
60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2			
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2			
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	5	5			
60255800	MANHOLES TO BE ADJUSTED	EACH	36	36			
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	8	8			
60260100	INLETS TO BE ADJUSTED	EACH	3	3			
60262700	INLETS TO BE RECONSTRUCTED	EACH	5	5			
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	9	9			
60266600	VALVE BOXES TO BE ADJUSTED	EACH	3	3			
60402210	GRATES, TYPE 8	EACH	2	2			
60404950	FRAMES AND GRATES, TYPE 24	EACH	2	2			
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	3	3			
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	47	47			
60500040	REMOVING MANHOLES	EACH	2	2			
60500050	REMOVING CATCH BASINS	EACH	16	16			
60500060	REMOVING INLETS	EACH	15	15			
* 60500405	FILLING VALVE VAULTS	EACH	9	4			5
60600605	CONCRETE CURB, TYPE B	FOOT	827	827			
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	10,974	10,974			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	816	816			
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	270	270			
*A 66400705	CHAIN LINK GATES, 4' X 4' SINGLE	EACH	1	1			
*A 66900205	SPECIAL WASTE DISPOSAL	CU YD	2,331	2,331			
*A 66405700	CHAIN LINK GATES, 4' X 10' DOUBLE	EACH	1	1			
*A 66900480	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1			
*A 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2			
67100100	MOBILIZATION	L SUM	1	1			
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	16	16			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,704	1,704			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	1,574	1,574			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	12,309	12,309			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,159	1,159			
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	200	200			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	8,368	8,368			
70301090	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	200	200			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1,330	1,330			
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	130	130			
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,574	1,574			
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12,309	12,309			
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,159	1,159			

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET NO. 2 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	



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CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0004	0021	0028	NON-PARTICIPATING
				ROADWAY	SIGNALS	SIDEWALK/BIKEPATH	
				STP (70/30)	STP (70/30)	STE (80/20)	
78000800	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	8,368	8,368			
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,330		1,330		
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	130	130			
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	67	67			
78300100	PAVEMENT MARKING REMOVAL	SQ FT	280	200			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	67	67			
80500020	SERVICE INSTALLATION POLE MOUNTED	EACH	1		1		
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	5,906		5,906		
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	48		48		
81028230	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	36		36		
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	531		531		
81400100	HANDHOLE	EACH	12		12		
81400300	DOUBLE HANDHOLE	EACH	3		3		
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2		
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2,496		2,496		
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,694		2,694		
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,563		2,563		
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,675		1,675		
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,835		2,835		
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	69		69		
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	861		861		
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12		12		
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4		
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60		60		
87900200	DRILL EXISTING HANDHOLE	EACH	2		2		
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5		5		
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1		
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2		2		
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2		2		
88030100	SIGNAL HEAD, LED, 1-FACE, 5 SECTION, BRACKET MOUNTED	EACH	2		2		
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4		4		
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1		1		
88030250	SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1		1		
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	3			3	
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2			2	

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				ROADWAY	SIGNALS	SIDEWALK/BIKEPATH	
				STP (70/30)	STP (70/30)	STE (80/20)	
88102757	PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1			1	
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	11		11		
88700200	LIGHT DETECTOR	EACH	3		3		
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1		
88800100	PEDESTRIAN PUSH-BUTTON	EACH	10		10		
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1		
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1,303		1,303		
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1		
89502380	REMOVE EXISTING HANDHOLE	EACH	11		11		
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1		
89502385	REMOVE EXISTING CONCRPTE FOUNDATION	EACH	9		9		
A2000616	TREE, ACER PLATANOIDES (NORWAY MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1			
A2005016	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3			
A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5			
A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5			
X0325318	LIGHTWEIGHT CELLULAR CONCRETE FILL	CU YD	57	27			30
X0325462	MEDIA CONVERTER	EACH	1		1		
X0324878	ADJUSTING SANITARY SEWER SERVICE LINE	EACH	5	5			
X0326885	VIDEO DETECTION SYSTEM	EACH	1		1		
X0327211	RELOCATE SWITCH	EACH	1		1		
X0426200	DEWATERING	LSUM	1	1			
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	200	200			
X2500910	SEEDING, CLASS 1 (MODIFIED)	ACRE	0.25	0.25			
X2510635	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL	SQ YD	100	100			
X2800302	TEMPORARY DITCH CHECKS (SPECIAL)	FOOT	84			84	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	53	53			
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	26	26			
X4023000	TEMPORARY ACCESS (ROAD)	EACH	25	25			
X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	24,327	11,891			12,436
X5610651	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	4,518	932			3,586
X5620116	WATER SERVICE CONNECTION (SHORT)	EACH	16	9			7
X5620118	WATER SERVICE CONNECTION (LONG)	EACH	23	7			16
X5630006	CUT AND CAP EXISTING 6" WATER MAIN	EACH	7				7
X5630008	CUT AND CAP EXISTING 8" WATER MAIN	EACH	7	5			2
X5630012	CUT AND CAP EXISTING 12" WATER MAIN	EACH	2	2			

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET NO. 3 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	6
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0004	0021	0028	NON-PARTICIPATING
				ROADWAY	SIGNALS	SIDEWALK/BIKEPATH	
				STP (70/30)	STP (70/30)	STE (80/20)	
* X6013600	PIPE UNDERDRAINS 4" (MODIFIED)	FOOT	11,251	11,251			
* X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	4	4			
* X6640550	CHAIN LINK FENCE, 4" (SPECIAL)	FOOT	923	461		462	
* X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	15	15			
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
* X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	81	81			
* X8570215	<del>FULL-ACTUATED CONTROLLER IN EXISTING CABINET</del>	<del>EACH</del>	<del>1</del>	<del>1</del>			
* X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1		
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1		
* X8730280	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	533		533		
* X8730571	ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	165		165		
* X8730800	ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C	FOOT	165		165		
* X8770125	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT. (SPECIAL)	EACH	1		1		
* X8770137	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)	EACH	1		1		
* X8770141	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT. (SPECIAL)	EACH	1		1		
* XX001249	ORNAMENTAL FENCE	FOOT	512	32		480	
* XX001877	SUMP PUMP LINE CONNECTION	EACH	5	5			
* XX003536	CONNECTION TO EXISTING WATER MAINS (NON PRESSURE)	EACH	22	10			12
* XX003668	PRECONSTRUCTION VIDEO TAPING	L SUM	1	1			
* XX004913	REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	1,412		1,412		
* XX005855	WATER MAIN CASING PIPE	FOOT	659	23			636
* XX005931	TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	3		3		
* XX005937	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4		4		
* XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	1		1		
* XX006655	LAYER II (DATALINK) SWITCH	EACH	2		2		
* XX006658	FLOCCULATION LOGS	EACH	200	200			
* XX006659	FLOCCULATION POWDER	POUND	25	25			
* XX006660	WETLAND PLANTS	EACH	40	40			
* XX006698	TREE PROTECTION AND PRESERVATION	EACH	90	45		45	
* XX007776	REMOVE AND ABANDON VALVE BOX	EACH	48	16			32
* XX008131	<del>ELECTRIC CABLE IN CONDUIT, VIDEO NO. 18 3C</del>	<del>FOOT</del>	<del>1,047</del>		<del>1,047</del>		
* XX008132	<del>RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM</del>	<del>EACH</del>	<del>1</del>		<del>1</del>		
* XX008253	VIDEO ENCODER	EACH	1		1		
* XX008288	SEDIMENT COLLECTION CHAMBER SYSTEM, TEMPORARY	EACH	1	1			
* XX008678	<del>RELOCATE EXISTING ENCODER</del>	<del>EACH</del>	<del>1</del>		<del>1</del>		
* Z0010600	CLEANING DRAINAGE SYSTEM	FOOT	300				300
* Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	3,420			3,420	
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			

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

CODED PAY ITEM NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0004	0021	0028	NON-PARTICIPATING
				ROADWAY	SIGNALS	SIDEWALK/BIKEPATH	
				STP (70/30)	STP (70/30)	STE (80/20)	
* Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	6				5
* Z0019400	DRY RUBBLE STONE OR BROKEN CONCRETE TREE WELLS	CU YD	1	1			
* Z0019600	DUST CONTROL WATERING	UNIT	10	10			
* Z0022800	FENCE REMOVAL	FOOT	1,139	569		570	
* Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	210	210			
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	3		3		
* Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	62.5			62.5	
* Z0056604	STORM SEWER (WATER MAIN REQUIREMENTS) 8 INCH	FOOT	6	6			
* Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	1,552	1,552			
* Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	857	857			
* Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	147	147			
* Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	71	71			
* Z0056620	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	FOOT	80	80			
* Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	84	84			
* Z0070200	SURVEY MONUMENTS	EACH	21	21			
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	5		5		
* Z0076600	TRAINEES	HOUR	1,000	1,000			
* Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000			
* X8772980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT. (SPECIAL)	EACH	1		1		
* XX008246	FIBER OPTIC CABLE IN CONDUIT, 24 SINGLEMODE	FOOT	2,542		2,542		
* XX0087566	ROADSIDE DETECTOR	EACH	1		1		
* XX0089192	OUTDOOR RATED NETWORK CABLE	FOOT	110		110		

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

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3 SCHEDULE OF EROSION CONTROL ITEMS								
STREET	STATION		(28000400) PERIMETER EROSION BARRIER	(28000305) TEMPORARY DITCH CHECKS	(28000500) INLET AND PIPE PROTECTION	(28000510) INLET FILTERS	(28000250) TEMPORARY EROSION CONTROL SEEDING	(25100630) EROSION CONTROL BLANKET
	FROM	TO	(FOOT)	(FOOT)	(EACH)	(EACH)	(POUND)	(SQ YD)
Washington Street	200+00	5+00	563			20	21	990
	5+00	15+00	1,402	42	1	24	52	2,486
	15+00	24+00	827			16	41	1,949
	24+00	33+00	497			19	46	2,209
	33+00	43+50	266			28	74	3,557
	43+50	53+00	839		1	21	40	1,928
	53+00	63+00		42	1	3	62	2,961
<b>PROJECT TOTAL</b>			<b>4,394</b>	<b>84</b>	<b>3</b>	<b>131</b>	<b>336</b>	<b>16,080</b>

4 SCHEDULE OF STONE RIPRAP AND FILTER FABRIC					
STREET	STATION		(28100203) STONE RIPRAP, CLASS A2	(28100207) STONE RIPRAP, CLASS A4	(28200200) FILTER FABRIC
	FROM	TO	(TON)	(TON)	(SQ YD)
Washington Street	200+00	4+50			
	4+50	9+50			
	9+50	15+00	67	54	12
	15+00	20+00			
	20+00	25+00			
	25+00	29+50			
	29+50	34+50			
	34+50	39+50			
	39+50	45+00			
	45+00	50+50			
	50+50	55+00			
	55+00	60+00			
Cedar Lake Road	60+00	63+34			
	16+70	18+50			
	18+50	22+40			
<b>PROJECT TOTAL</b>			<b>67</b>	<b>54</b>	<b>12</b>

1 SCHEDULE OF TREE REMOVAL				
STREET	STATION		(20100110) 6 TO 15 UNITS DIAMETER	(20100210) OVER 15 UNITS DIAMETER
	FROM	TO	(UNITS)	(UNITS)
Washington Street	200+00	4+50		
	4+50	9+50		
	9+50	15+00	6	
	15+00	20+00	93	35
	20+00	25+00	26	17
	25+00	29+50	199	91
	29+50	34+50	47	
	34+50	39+50		41
	39+50	45+00	44	18
	45+00	50+50		36
	50+50	55+00		
	55+00	60+00	61	
Cedar Lake Road	60+00	63+34		
	16+70	18+50		
	18+50	22+40		
<b>TOTAL</b>			<b>476</b>	<b>238</b>
<b>10% CONTINGENCY</b>			<b>48</b>	<b>24</b>
<b>PROJECT TOTAL</b>			<b>524</b>	<b>262</b>

2 SCHEDULE OF SODDING AND SEEDING						
STREET	STATION		(25200100) SODDING	(X2500910) SEEDING, CLASS 1 (MODIFIED)	(21101615) TOPSOIL FURNISH AND PLACE, 4"	
	FROM	TO	(SQ YD)	(ACRE)	(SQ YD)	
Washington Street	200+00	5+00	990		990	
	5+00	15+00	2,149	0.25	2,486	
	15+00	24+00	1,949		1,949	
	24+00	33+00	2,209		2,209	
	33+00	43+50	3,557		3,557	
	43+50	53+00	1,928		1,928	
	53+00	63+00	2,961		2,961	
	<b>PROJECT TOTAL</b>			<b>15,743</b>	<b>0.25</b>	<b>16,080</b>

5 SCHEDULE OF AGGREGATE BASE COURSE, TYPE A (35100110)							
STREET	STATION		SIDEWALK LENGTH (3.61 SF AREA')	PRIVATE ENTRANCE AREA (6" THICK)	COMMERCIAL ENTRANCE AREA (8" THICK)	MEDIAN AREA (12-1/2" THICK)	VOLUME
	FROM	TO	(FOOT)	(SQ YD)	(SQ YD)	(SQ YD)	(CU YD)
Washington Street	200+00	4+50	945		665	30	285
	4+50	9+50	931	48	20		137
	9+50	15+00	906	19	20		129
	15+00	20+00	941	131			148
	20+00	25+00	811	35	105		138
	25+00	29+50	716	143			120
	29+50	34+50	847	151	101		161
	34+50	39+50	868	517			203
	39+50	45+00	916	311			175
	45+00	50+50	565	268			121
	50+50	55+00		52	109		33
	55+00	60+00					
Cedar Lake Road	60+00	63+34					
	16+70	18+50	177		29		31
	18+50	22+40	366		428		144
<b>PROJECT TOTAL</b>							<b>1,825</b>

\* AREA IS BASED UPON CROSS SECTION MEASUREMENT.

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	





STRUCTURE #	STATION	OFFSET	SCHEDULE OF DRAINAGE STRUCTURES													
			60200805	60201110	60201305	60201340	60204505	60204825	60205040	60207605	60218400	60221100	60221700	60236200	60236825	60237470
			CB TA 4 DIA	CB TA 4 DIA	CB TA 4 DIA	CB TA 4 DIA	CB TA 5 DIA	CB TA 5 DIA	CB TA 5 DIA	CB TC	MAN TA 4 DIA	MAN TA 5 DIA	MAN TA 5 DIA	INLETS TA	INLETS TA	INLETS TA
T8G	T11VF&G	T15F&L	T24F&G	T8G	T11VF&G	T24F&G	T8G	T1FCL	T1FCL	T8G	T8G	T11VF&G	T24F&G			
1	25+07.9	281.9' LT														
2	23+77.9	125.9' LT														
3	24+06.4	115.7' LT														
8	22+84.9	65.7' RT														
9	22+92.2	62.0' RT														
10	24+45.0	26.6' RT														
11	24+38.3	33.6' RT														
12	24+08.4	42.1' RT														
13	200+59.2	40.6' LT														
14	200+70.4	35.4' LT														
15	200+93.7	33.8' RT														
16	201+26.6	29.2' LT														
17	2+32.0	26.0' LT														
18	2+36.0	23.3' RT														
20	4+14.0	23.1' LT														
21	4+14.0	21.5' RT														
22	4+14.0	30.6' RT														
23	5+00.0	21.4' LT														
24	5+80.0	31.0' RT														
25	6+16.9	20.5' LT														
27	8+20.0	20.5' RT														
28	8+20.0	20.5' LT														
29	8+50.0	30.5' LT														
30	9+00.0	33.0' LT														
31	9+00.0	20.5' LT														
32	9+10.0	20.5' RT														
33	9+89.6	30.0' LT														
34	9+89.6	20.5' LT														
35	9+85.2	20.5' RT														
36	10+50.0	20.5' RT														
39	11+40.0	20.5' RT														
40	11+51.3	20.5' RT														
41	11+65.2	26.6' LT														
42	11+84.5	20.5' RT														
43	11+84.5	20.5' LT														
44	11+84.5	30.0' LT														
45	12+00.0	20.5' LT														
46	12+50.0	20.5' RT														
47	12+70.0	34.0' LT														
48	12+70.0	20.5' LT														
49	12+73.6	39.4' LT														
50	13+80.0	20.5' LT														
51	13+79.6	39.4' LT														
53	14+64.2	20.5' RT														
54	14+64.2	20.5' LT														
55	14+64.2	30.0' LT														
56	16+00.0	20.5' RT														
57	16+00.0	20.5' LT														
58	16+00.0	30.0' LT														
59	17+73.0	26.0' LT														
60	17+79.7	20.5' LT														
61	17+79.7	20.5' RT														
62	17+86.1	26.1' RT														
63	19+14.0	26.0' RT														
64	19+20.0	20.5' RT														
65	19+20.0	20.5' LT														
66	20+76.0	26.0' RT														
67	20+81.8	20.5' RT														
68	20+81.8	20.5' LT														
69	21+10.0	20.5' RT														
70	22+94.0	26.0' RT														
71	23+00.0	20.6' RT														
72	23+13.4	28.0' LT														
73	23+00.0	21.5' LT														
74	23+47.9	63.2' LT														
75	23+75.0	30.0' RT														
76	23+75.0	40.0' RT														
77	23+92.4	20.5' RT														
78	23+92.4	20.5' LT														
79	24+10.0	20.5' RT														
80	24+94.0	26.0' RT														
81	25+00.0	20.5' RT														
82	26+34.0	30.0' RT														
83	28+57.6	29.1' RT														
84	28+50.0	24.2' RT														
85	28+50.0	20.5' LT														
86	29+50.0	26.0' LT														
87	30+50.0	39.0' RT														

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 SURVEY: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 SURVEY: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

23		SCHEDULE OF DRAINAGE STRUCTURES														
STRUCTURE #	STATION	OFFSET	60200805	60201110	60201305	60201340	60204505	60204825	60205040	60207605	60218400	60221100	60221700	60236200	60236825	60237470
			CB TA 4 DIA	CB TA 4 DIA	CB TA 4 DIA	CB TA 4 DIA	CB TA 5 DIA	CB TA 5 DIA	CB TA 5 DIA	CB TA 5 DIA	CB TC	MAN TA 4 DIA	MAN TA 5 DIA	MAN TA 5 DIA	INLETS TA	INLETS TA
			T8G	T11VF&G	T15F&L	T24F&G	T8G	T11VF&G	T24F&G	T8G	T1FCL	T1FCL	T8G	T8G	T11VF&G	T24F&G
88	30+50.0	20.5' RT		1												
89	30+50.0	20.5' LT		1												
90	30+56.0	26.0' LT									1					
92	31+04.6	35.9' RT												1		
93	31+10.0	20.5' RT													1	
94	31+51.7	20.5' RT		1												
95	31+63.4	20.5' RT		1												
96	31+20.0	20.5' LT													1	
97	31+51.7	20.5' LT		1												
98	31+66.8	20.5' LT		1												
99	31+70.0	29.4' LT									1					
100	32+43.9	41.2' LT									1					
101	32+21.9	41.2' RT		1												
102	32+65.0	34.3' LT		1												
103	32+48.9	20.5' RT		1												
104	33+00.0	20.5' RT													1	
105	35+20.0	20.5' RT													1	
106	36+27.6	20.5' RT		1												
107	36+34.7	20.5' RT		1												
108	36+59.7	31.0' RT													1	
109	36+10.0	20.5' LT													1	
110	36+73.6	22.5' LT						1								
111	37+45.0	20.5' LT													1	
112	37+60.0	20.5' RT													1	
113	37+70.7	20.5' RT		1												
114	37+70.7	20.5' LT		1												
115	37+85.9	20.5' LT						1								
116	37+77.8	30.2' LT										1				
117	38+50.0	20.5' LT													1	
118	38+19.4	20.5' RT						1								
119	38+26.2	29.1' RT										1				
120	38+53.9	58.5' RT					1									
121	38+77.5	99.5' RT					1									
122	37+77.7	143.5' RT												1		
123	38+06.6	129.1' RT	1													
124	38+46.7	112.2' RT	1													
125	39+39.5	75.4' RT												1		
126	39+70.0	35.0' LT									1					
127	39+70.0	20.5' LT		1												
128	39+80.0	20.5' LT													1	
129	40+55.0	30.0' LT									1					
130	40+55.0	20.5' RT													1	
131	40+55.0	20.5' LT		1												
132	42+00.0	16.5' LT									1					
133	43+18.4	33.1' LT		1												
134	43+45.3	20.5' LT		1												
135	43+10.4	57.3' RT								1						
136	43+10.5	27.4' RT		1												
137	43+29.6	20.5' RT		1												
138	43+60.0	20.5' RT													1	
139	43+90.0	20.5' LT		1												
140	45+67.9	52.7' RT												1		
141	45+68.7	39.6' RT		1												
142	45+73.1	36.3' LT		1												
144	46+50.0	20.5' RT													1	
145	46+80.0	20.5' RT		1												
146	47+40.0	20.5' RT		1												
147	47+50.0	20.5' LT													1	
148	48+00.0	20.5' LT		1												
149	48+00.0	20.5' RT		1												
150	48+27.2	20.5' RT		1												
151	48+51.0	29.9' RT		1												
152	48+59.7	33.4' LT													1	
153	48+92.2	28.8' RT		1												
154	49+85.0	18.5' RT		1												
155	49+85.0	18.5' LT													1	
156	50+50.0	18.5' LT		1												
157	50+50.0	18.5' RT		1												
158	50+72.7	31.0' LT												1		
159	51+35.8	23.2' RT	1													
160	53+75.9	25.9' RT	1													
164	22+09.2	39.7' RT				1										
<b>PROJECT TOTAL</b>			<b>9</b>	<b>63</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>19</b>	<b>4</b>	<b>1</b>	<b>5</b>	<b>34</b>	<b>2</b>

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 SURVEY: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
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 NO. 9: \_\_\_\_\_  
 NO. 10: \_\_\_\_\_

STREET	24 SCHEDULE OF STRUCTURES TO BE ADJUSTED							
	STATION		60250200	60255500	60260100	60265700	60266600	X6030310
	FROM	TO	CATCH BASINS	MANHOLES	INLETS	VALVE VAULTS	VALVE BOXES	F&L (SPECIAL)
Washington Street	200+00	4+50		8	3			1
	4+50	9+50	1	2				
	9+50	15+00		5				
	15+00	20+00		2				
	20+00	25+00		3		2		
	25+00	29+50		2		1		
	29+50	34+50	1	3		1		
	34+50	39+50		2		1	2	
	39+50	45+00		3		1		
	45+00	50+50		3		2		
	50+50	55+00				1	1	2
	55+00	60+00						
Cedar Lake Road	16+70	18+50						
	18+50	22+40		3				1
	<b>PROJECT TOTAL</b>		<b>2</b>	<b>36</b>	<b>3</b>	<b>9</b>	<b>3</b>	<b>4</b>

STREET	27 SCHEDULE OF CONCRETE CURB, TYPE B (60600605)		
	STATION		LENGTH
	FROM	TO	(FOOT)
Washington Street	200+00	4+50	319
	4+50	9+50	
	9+50	15+00	
	15+00	20+00	
	20+00	25+00	
	25+00	29+50	
	29+50	34+50	
	34+50	39+50	
	39+50	45+00	
	45+00	50+50	
	50+50	55+00	95
	55+00	60+00	
	60+00	63+34	
	Cedar Lake Road	16+70	18+50
18+50		22+40	393
<b>PROJECT TOTAL</b>			<b>827</b>

STREET	30 SCHEDULE OF TEMPORARY PAVEMENT MARKING								
	STATION		LETTERS AND SYMBOLS (70300210)	4" (70300220)	6" (70300240)	8" (70300250)	12" (70300260)	24" (70300280)	
	FROM	TO	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	
Washington Street	200+00	5+00	316	2,399	891	1,321	1,008	130	
	5+00	15+00	234	2,098	72	1,749			
	15+00	24+00	234	1,857	70	1,509	134		
	24+00	33+00	278	1,552	39	1,376			
	33+00	43+50	283	2,581	87	1,685	57		
	43+50	53+00	229	1,822		728	131		
	53+00	63+00							
	<b>PROJECT TOTAL</b>			<b>1,574</b>	<b>12,309</b>	<b>1,159</b>	<b>8,368</b>	<b>1,330</b>	<b>130</b>

STREET	25 SCHEDULE OF DRAINAGE STRUCTURES TO BE REMOVED				
	STATION		60500040	60500050	60500060
	FROM	TO	MANHOLES	CATCH BASINS	INLETS
Washington Street	200+00	4+50	1	1	6
	4+50	9+50		1	2
	9+50	15+00		4	
	15+00	20+00			
	20+00	25+00			
	25+00	29+50			
	29+50	34+50	1	2	1
	34+50	39+50		2	4
	39+50	45+00			
	45+00	50+50		5	
	50+50	55+00			
	55+00	60+00			
Cedar Lake Road	16+70	18+50			
	18+50	22+40		1	2
	<b>PROJECT TOTAL</b>		<b>2</b>	<b>16</b>	<b>15</b>

STREET	28 SCHEDULE OF COMBINATION CONCRETE CURB AND GUTTER				
	STATION		(60603800) TYPE B-6.12	(60605000) TYPE B-6.24	
	FROM	TO	(FOOT)	(FOOT)	
Washington Street	200+00	4+50	753	240	
	4+50	9+50	1,041		
	9+50	15+00	1,165		
	15+00	20+00	1,026		
	20+00	25+00	1,084		
	25+00	29+50	1,027		
	29+50	34+50	1,088		
	34+50	39+50	1,249		
	39+50	45+00	1,184		
	45+00	50+50	1,207		
	50+50	55+00	150		
	55+00	60+00			
	60+00	63+34			
	Cedar Lake Road	16+70	18+50		178
		18+50	22+40		398
	<b>PROJECT TOTAL</b>			<b>10,974</b>	<b>816</b>

STREET	31 SCHEDULE OF FIRE HYDRANTS TO BE MOVED (56400100)		
	STATION		TOTAL
	FROM	TO	(EACH)
Washington Street	200+00	4+50	
	4+50	9+50	
	9+50	15+00	
	15+00	20+00	
	20+00	25+00	1
	25+00	29+50	1
	29+50	34+50	1
	34+50	39+50	
	39+50	45+00	
	45+00	50+50	
	50+50	55+00	
	55+00	60+00	
	60+00	63+34	
	63+34	63+34	
Cedar Lake Road	16+70	18+50	
	18+50	22+40	
<b>PROJECT TOTAL</b>			<b>3</b>

STREET	26 SCHEDULE OF CHAIN LINK FENCE, 4' (SPECIAL) (X6640550)		
	STATION		LENGTH
	FROM	TO	(FOOT)
Washington Street	200+00	4+50	
	4+50	9+50	
	9+50	15+00	80
	15+00	20+00	222
	20+00	25+00	149
	25+00	29+50	66
	29+50	34+50	184
	34+50	39+50	34
	39+50	45+00	71
	45+00	50+50	117
	50+50	55+00	
	55+00	60+00	
	60+00	63+34	
	Cedar Lake Road	16+70	18+50
18+50		22+40	
<b>PROJECT TOTAL</b>		<b>923</b>	

STREET	29 SCHEDULE OF PERMANENT PAVEMENT MARKINGS									
	STATION		THERMOPLASTIC					PAINT		
	FROM	TO	(78000100) LETTERS AND SYMBOLS	(78000200) LINE 4"	(78000400) LINE 6"	(78000500) LINE 8"	(78000600) LINE 12"	(78000650) LINE 24"	(X7800100) RAISED MEDIAN	
	FROM	TO	(SQ FT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)	
Washington Street	200+00	5+00	316	2,399	891	1,321	1,008	130	81	
	5+00	15+00	234	2,098	72	1,749				
	15+00	24+00	234	1,857	70	1,509	134			
	24+00	33+00	278	1,552	39	1,376				
	33+00	43+50	283	2,581	87	1,685	57			
	43+50	53+00	229	1,822		728	131			
	53+00	63+00								
	<b>PROJECT TOTAL</b>			<b>1,574</b>	<b>12,309</b>	<b>1,159</b>	<b>8,368</b>	<b>1,330</b>	<b>130</b>	<b>81</b>

STREET	32 SCHEDULE OF PAVEMENT MARKING REMOVAL (78300100)		
	STATION		AREA
	FROM	TO	(SQ FT)
Washington Street	200+00	5+00	226
	5+00	15+00	
	15+00	24+00	
	24+00	33+00	
	33+00	43+50	
	43+50	53+00	
<b>PROJECT TOTAL</b>			<b>226</b>

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
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DATE
BY
APPROVED SURVEY
NOTED BOOK
AREAS CHECKED

DATE
BY
APPROVED SURVEY
NOTED BOOK
AREAS CHECKED

41 SCHEDULE OF FENCE REMOVAL (Z0022800)			
STREET	STATION		LENGTH (FOOT)
	FROM	TO	
Washington Street	200+00	4+50	
	4+50	9+50	
	9+50	15+00	146
	15+00	20+00	193
	20+00	25+00	156
	25+00	29+50	186
	29+50	34+50	184
	34+50	39+50	34
	39+50	45+00	77
	45+00	50+50	163
	50+50	55+00	
55+00	60+00		
60+00	63+34		
Cedar Lake Road	16+70	18+50	
	18+50	22+40	
PROJECT TOTAL			1,139

42 SCHEDULE OF SURVEY MONUMENTS (Z0070200)				
STREET	STATION		TOTAL (EACH)	
	FROM	TO		
Washington Street	200+00	4+50	7	
	4+50	9+50	1	
	9+50	15+00	1	
	15+00	20+00	1	
	20+00	25+00	3	
	25+00	29+50	2	
	29+50	34+50	1	
	34+50	39+50	1	
	39+50	45+00	2	
	45+00	50+50	1	
	50+50	55+00		
	55+00	60+00		
	60+00	63+34		
	Cedar Lake Road	16+70	18+50	
		18+50	22+40	1
PROJECT TOTAL			21	

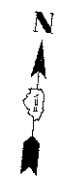
45 SCHEDULE OF WATER MAIN ITEMS													
STREET	STATION		(XX007776)	(56400500)	(60500405)	(X5610651)	(X5620116)	(X5620118)	(X5630006)	(X5630008)	(X5630012)	(X5610004)	(XX005855)
			REMOVE AND ABANDON VALVE BOX (EACH)	FIRE HYDRANTS TO BE REMOVED (EACH)	FILLING VALVE VAULTS (EACH)	ABANDON EXISTING WATER MAIN, FILL WITH CLSM (FOOT)	WATER SERVICE CONNECTION (SHORT) (EACH)	WATER SERVICE CONNECTION (LONG) (EACH)	CUT AND CAP EXISTING 6" WATER MAIN (EACH)	CUT AND CAP EXISTING 8" WATER MAIN (EACH)	CUT AND CAP EXISTING 12" WATER MAIN (EACH)	DUCTILE IRON WATER MAIN FITTINGS (POUND)	
Washington Street	200+00	4+50	8	1	1	618	2	4		1		1,590	66
	4+50	9+50	6	2		544	2	2	1			1,365	
	9+50	15+00	2	2	2	827			2	1		3,375	44
	15+00	20+00	4	1	1	575		4	1			1,140	22
	20+00	25+00	7	1	1	437	1	3	2			2,415	
	25+00	29+50											
	29+50	34+50											
	34+50	39+50											
	39+50	45+00	8	1	1	233	4	4		1		2,815	
	45+00	50+50	8	2	3	654	5	3		4		6,590	21
	50+50	55+00				45					1	1,405	
55+00	60+00												
60+00	63+34												
Cedar Lake Road	16+70	22+40	5	1		585	2	3	1			1,420	446
	PROJECT TOTAL		48	11	9	4,518	16	23	7	7	2	22,115	599

10% CONTINGENCY 2,212 60  
TOTAL 24,327 659

43 SCHEDULE OF WATER MAIN STRUCTURES							
STRUCTURE #	STATION	OFFSET	56105000	56105200	56400820	60248700	60248900
			WATER VALVES 8"	WATER VALVES 12"	FIRE HYD W/AUX V & VB	VV TA 4 DIA TIF CL	VV TA 5 DIA TIF CL
			1	23+92.6	59.7 LT	1	
2	200+65.0	23.7 RT	1			1	
3	2+75.0	34.5 LT			1		
4	3+60.0	9.1 LT	1			1	
5	4+64.8	31.2 LT			1		
6	5+87.3	31.4 RT	1			1	
7	7+43.5	31.9 LT	1			1	
8	7+56.9	31.0 LT			1		
9	8+55.0	5.5 LT	1			1	
10	10+22.9	57.0 LT	1			1	
11	10+51.5	52.3 LT			1		
12	11+30.4	50.5 LT	1			1	
13	13+56.4	32.1 LT			1		
14	13+70.0	5.5 LT	1			1	
15	13+97.7	52.3 RT	1			1	
16	16+56.9	31.1 LT			1		
17	17+59.8	59.2 RT	1			1	
18	18+50.0	5.5 LT	1			1	
19	20+15.3	31.0 LT			1		
20	20+56.5	69.8 RT	1			1	
21	22+89.9	30.8 LT			1		
22	23+34.3	54.9 RT	1			1	
23	23+52.4	51.1 RT	1			1	
24	43+05.0	40.8 RT	1			1	
25	43+13.6	36.6 RT			1		
26	43+25.0	29.0 RT		1			1
27	45+59.5	36.9 RT			1		
28	45+75.2	38.8 RT	1			1	
29	45+89.2	16.5 RT	1			1	
30	48+48.5	39.9 RT			1		
31	48+60.2	32.0 RT	1			1	
32	48+66.9	19.6 RT	1			1	
33	50+75.0	24.0 RT		1			1
34	16+93.6	29.2 RT	1			1	
35	17+22.7	34.7 RT			1		
36	19+74.0	37.5 RT	1			1	
37	21+64.0	60.0 RT			1		
PROJECT TOTAL			22	2	13	22	2

44 SCHEDULE OF DUCTILE IRON WATER MAIN AND TRENCH BACKFILL								
STATION	FROM	TO	PIPE #	56103000	56103100	56103300	20800150	
				D I WATER MAIN 6" (FOOT)	D I WATER MAIN 8" (FOOT)	D I WATER MAIN 12" (FOOT)	TRENCH BK FILL (CU YD)	
200+00		4+50	1		11		5	
			2		136		56	
			3		7		3	
			4				76	
			5	24	172		12	
			6		85		36	
			7		105		43	
4+50		9+50	8	24			11	
			9		127		52	
			10		37		16	
			11		31		6	
			12		155		66	
			13		28		12	
			14		6		6	
			15	26			12	
			16		99		48	
			17		169		117	
9+50		15+00	18		52		33	
			19		6		3	
			20		30		19	
			21	47			21	
			22		78		32	
			23		25		19	
			24		6		3	
			25		230		94	
			26	27			12	
			27		14		6	
			28		25		11	
			29		58		16	
			30		16		2	
			31		265		109	
15+00		20+00	32	26			12	
			33		98		41	
			34		25		18	
			35		12			
			36		96		40	
			37		166		68	
20+00		25+00	38	26			12	
			39		41		17	
			40		66		27	
			41		11			
			42		233		137	
			43	26			18	
			44		100		58	
			45		3		2	
			46		10		5	
			47		19		8	
			48		9		4	
39+50		45+00	49			9	5	
			50		18		10	
			51		6		3	
			52			9	6	
			53	14			9	
			54			14	10	
			55			238	159	
45+00		50+50	56	15			8	
			57			16	10	
			58			17	9	
			59			25	11	
			60			14	9	
			61			6	4	
			62			7	3	
			63				265	150
			64	16			9	
			65			12	7	
			66			8	4	
			67			8	4	
			68			7	4	
			69			5	3	
			70			8	4	
			71				209	109
50+50		55+00	72			10	5	
			73			7	4	
			74			16	8	
16+70		22+40	75			20	9	
			76			29	13	
			77	6			3	
			78			253	145	
			79			196	112	
			80			18	3	
			81			192	82	
PROJECT TOTAL				295	3,729	826	2,358	
							10% CONTINGENCY 236	
							TOTAL 2,594	

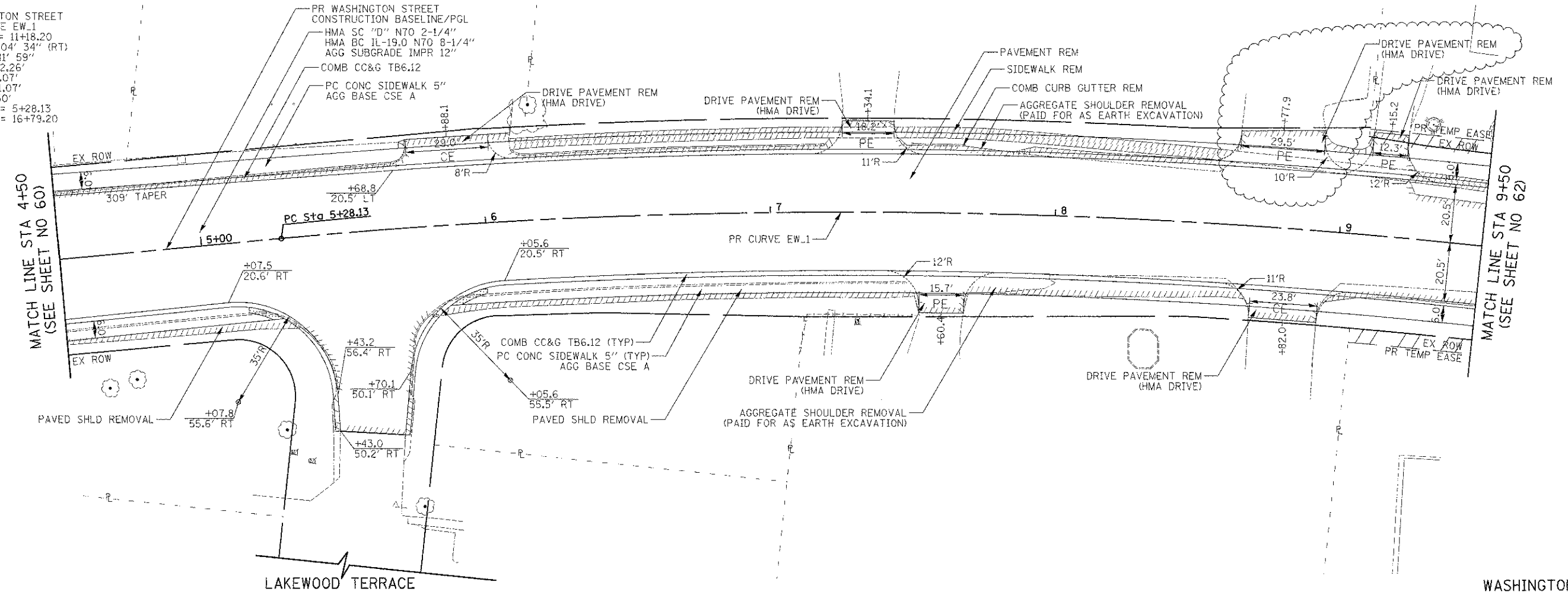




WASHINGTON STREET  
 PR CURVE EW\_1  
 PI STA = 11+18.20  
 Δ = 31° 04' 34" (RT)  
 D = 2° 41' 59"  
 R = 2,122.26'  
 T = 590.07'  
 L = 1,151.07'  
 E = 80.50'  
 PC STA = 5+28.13  
 PT STA = 16+79.20

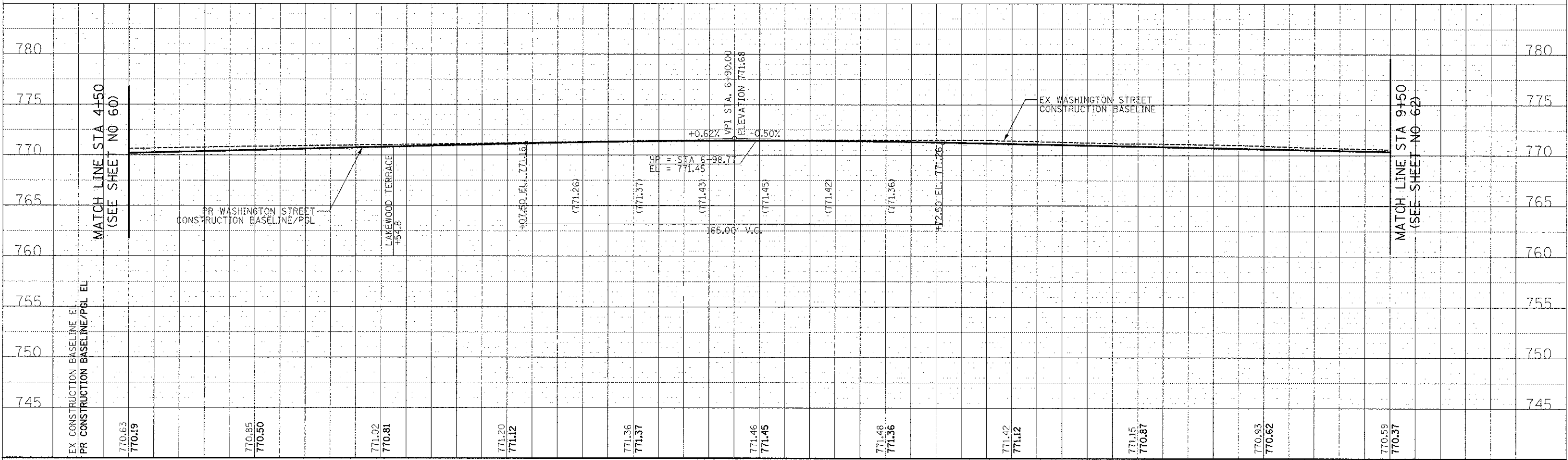
MATCH LINE STA 4+50  
 (SEE SHEET NO 60)

MATCH LINE STA 9+50  
 (SEE SHEET NO 62)



DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

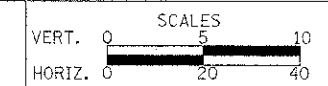


4+50	5+00	5+50	6+00	6+50	7+00	7+50	8+00	8+50	9+00	9+50
EX CONSTRUCTION BASELINE/PSL EL 770.63 770.19	770.85 770.50	771.02 770.81	771.20 771.12	771.36 771.37	771.46 771.45	771.48 771.36	771.42 771.12	771.15 770.87	770.93 770.62	770.59 770.37
PR WASHINGTON STREET CONSTRUCTION BASELINE/PBL										

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

DESIGNED - PK	REVISED - 4/10/2013
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION



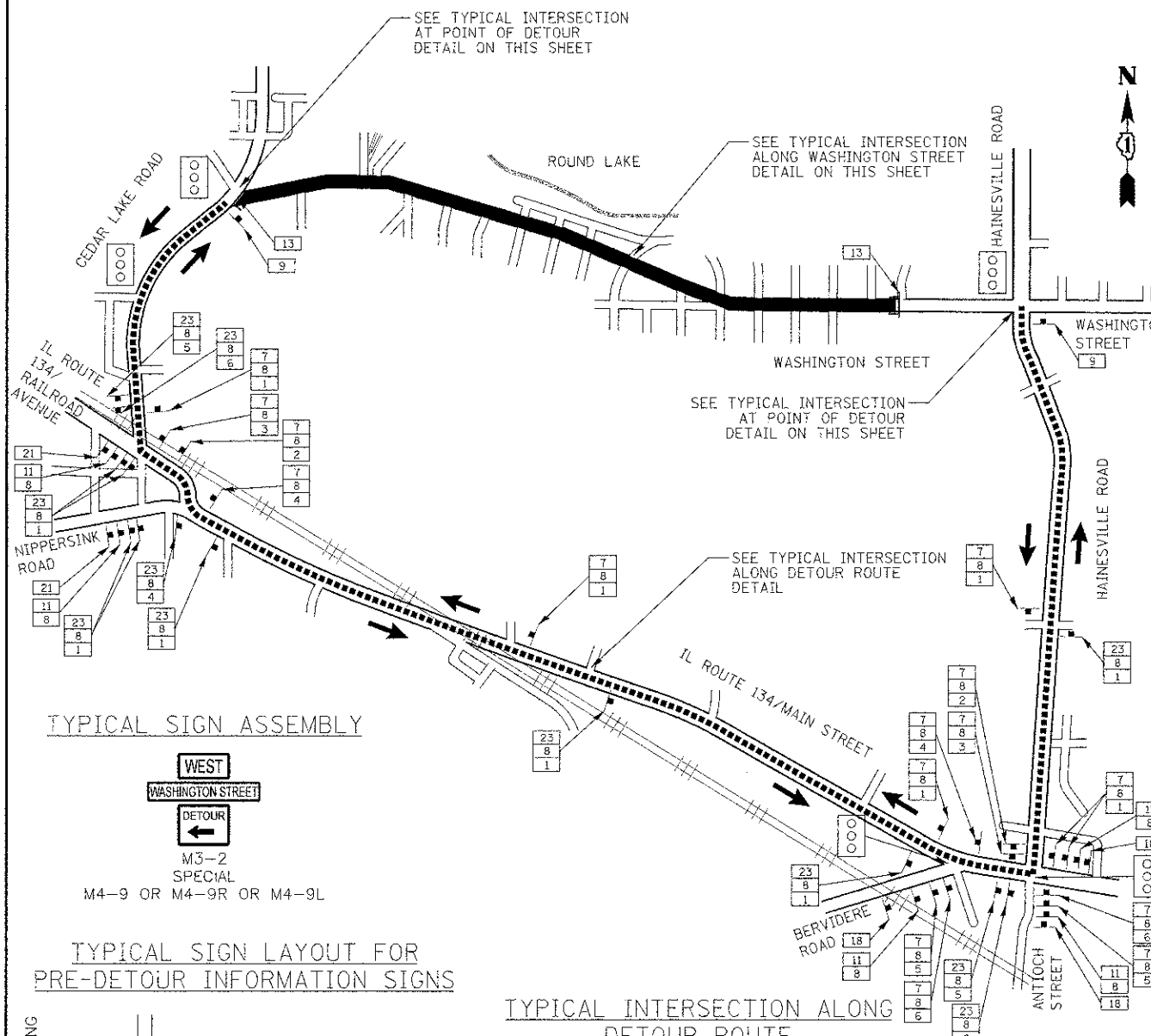
PLAN AND PROFILE

SHEET NO. 2 OF 15 SHEETS STA. 4+50 TO STA. 9+50

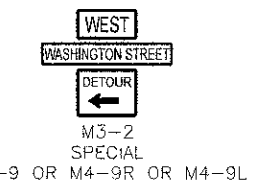
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	61
FED. ROAD DIST. NO. : ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	

DETOUR GENERAL NOTES

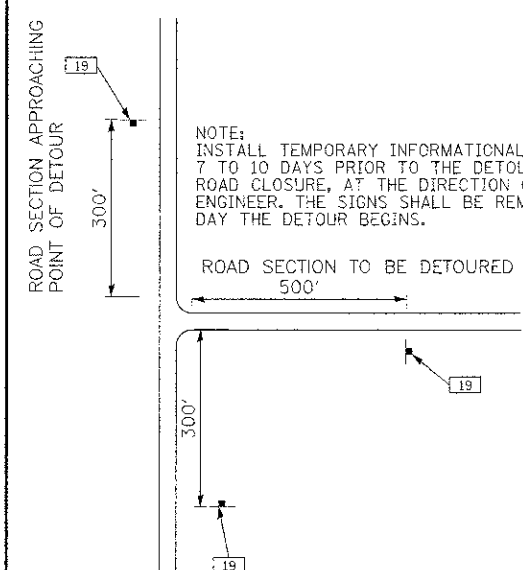
- ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012, "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES" ADOPTED IN 2010, THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION AND THE LCDOT "DETOUR PROCEDURES AND GUIDELINES".
- THE DURATION OF THIS DETOUR SHALL NOT EXCEED THE COMPLETION DATE AS SPECIFIED IN THE CONTRACT. THE CONTRACTOR SHALL PROCEED WITH THE WORK IN AN EXPEDITIOUS MANNER TO REDUCE THE LENGTH OF TIME THAT THE DETOUR NEEDS TO BE IN EFFECT.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST TWO (2) WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- IF DEEMED NECESSARY BY THE ENGINEER, A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR SHALL BE HELD AT LEAST TWO (2) WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT.
- THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF THE WORK. THE LAKE COUNTY DIVISION OF TRANSPORTATION REPRESENTATIVE FOR THIS DETOUR IS:  
 JOHN P. SAUTER  
 LAKE COUNTY DIVISION OF TRANSPORTATION  
 TRAFFIC ENGINEERING SECTION  
 600 W. WINCHESTER ROAD  
 LIBERTYVILLE, IL 60048  
 (847) 377-7400
- IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST TWO (2) WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS.
- LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS, WITH THE APPROVAL OF THE ENGINEER.
- THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM, ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
- THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY TO ENSURE THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT IS DEEMED NECESSARY BY THE ENGINEER. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM TRAFFIC CONTROL AND PROTECTION.
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
- ALL DETOUR SIGNING SHALL BE POST MOUNTED IF THE ROAD CLOSURE IS TO EXCEED FOUR (4) CALENDAR DAYS.
- ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF SECTION 1091 OF THE "STANDARD SPECIFICATIONS". ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
- THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE "THE ILLINOIS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
- AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1106.02 OF THE "STANDARD SPECIFICATIONS". ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- WHEN REQUIRED THE MINIMUM DIMENSIONS OF THE ORANGE WARNING FLAGS SHOWN IN THESE PLANS ARE 18" X 18".
- ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.
- THE "ROAD CLOSED" (R11-2), THE "ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY" (R11-3) AND THE "ROAD CLOSED TO THRU TRAFFIC" (R11-4) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (2) AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.
- THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE A VARIABLE X 9" OR A VARIABLE X 12" WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 5" LOWER CASE.
- DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC, THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
- CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT ARTICLE 701.04 OF THE "STANDARD SPECIFICATIONS" SHALL APPLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
- THE FOLLOWING ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD IS APPLICABLE FOR THIS WORK:  
 STANDARD 701901
- THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- THE PENALTY FOR EXCEEDING THE TIME LIMIT, AS STATED IN DETOUR GENERAL NOTE TWO OF THESE PLANS, SHALL EQUAL THE CHARGE FOR TRAFFIC CONTROL DEFICIENCY OF \$2500.00 PER DAY, FOR EVERY CALENDAR DAY THE DETOUR AND ROAD CLOSURE EXCEEDS THE TIME LIMIT SET IN GENERAL NOTE TWO. THIS PENALTY CAN BE ASSESSED IN ADDITION TO THE PENALTY SPECIFIED IN THE SPECIAL PROVISION FOR TRAFFIC CONTROL AND PROTECTION AND PENALTIES CAN BE CHARGED CONCURRENTLY.



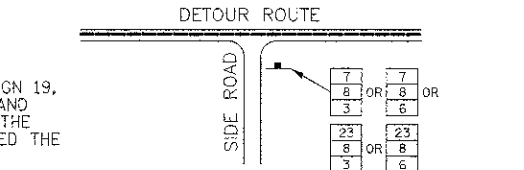
TYPICAL SIGN ASSEMBLY



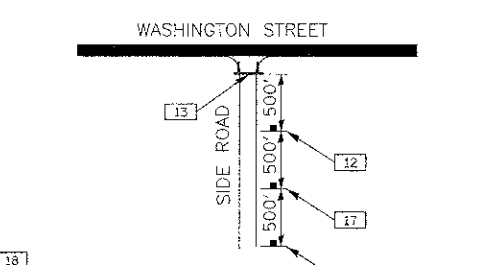
TYPICAL SIGN LAYOUT FOR PRE-DETOUR INFORMATION SIGNS



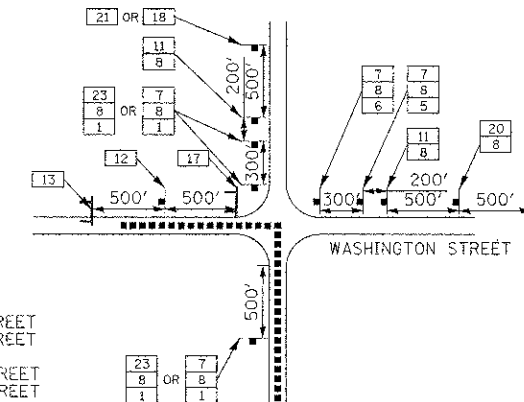
TYPICAL INTERSECTION ALONG DETOUR ROUTE



TYPICAL INTERSECTION ALONG WASHINGTON STREET



TYPICAL INTERSECTION AT POINT OF DETOUR



- LAKWOOD TERRACE
- PARK ROAD
- LAKEVIEW ROAD
- LINDEN ROAD
- CATALPA DRIVE
- BEECHWOOD DRIVE
- BRIERHILL DRIVE
- KENWOOD DRIVE
- CLIFTON DRIVE
- BELLEVUE DRIVE
- FAIRLAWN DRIVE
- FOREST GLEN DRIVE
- PROSPECT DRIVE
- GRANDVIEW DRIVE
- ARBOR DRIVE
- RAVINE DRIVE

LEGEND

- 48" X 48" CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT 18"X18" FLAG (NUMBER DENOTES TYPE)
- M4-9 SERIES DETOUR SIGN WITH ROAD NAME & DIRECTION PLATES (NUMBER DENOTES TYPE)
- OTHER DETOUR SIGN (NUMBER DENOTES TYPE)
- CONSTRUCTION WORK ZONE
- DETOUR ROUTE DIRECTION
- SIGN POST
- SIGNALIZED INTERSECTION
- TYPE III BARRICADE
- DETOUR ROUTE

SCHEDULE OF SIGNS

SIGN NO.	SIGN TYPE	SIGN NO.	SIGN TYPE
1	DETOUR	13	ROAD CLOSED
2	DETOUR	14	SPECIAL-2115
3	DETOUR	15	R3-1-2424
4	DETOUR	16	R3-2-2424
5	DETOUR	17	W20-3-4848
6	DETOUR	18	SPECIAL-6030
7	WEST	19	SPECIAL-4836
8	WASHINGTON STREET	20	W20-3-4848
9	END DETOUR	21	SPECIAL-6030
10	ROAD CONSTRUCTION AHEAD	22	W20-3-4848
11	DETOUR 500 FT	23	M3-4-2412
12	BARRICADE 800 FT		

- LOCATIONS OF PRE-DETOUR INFORMATION SIGNS
- 19 N.B. CEDAR LAKE ROAD APPROACHING WASHINGTON STREET
  - 19 S.B. CEDAR LAKE ROAD APPROACHING WASHINGTON STREET
  - 19 E.B. WASHINGTON STREET EAST OF CEDAR LAKE ROAD
  - 19 S.B. HAINESVILLE ROAD APPROACHING WASHINGTON STREET
  - 19 N.B. HAINESVILLE ROAD APPROACHING WASHINGTON STREET
  - 19 W.B. WASHINGTON STREET WEST OF HAINESVILLE ROAD

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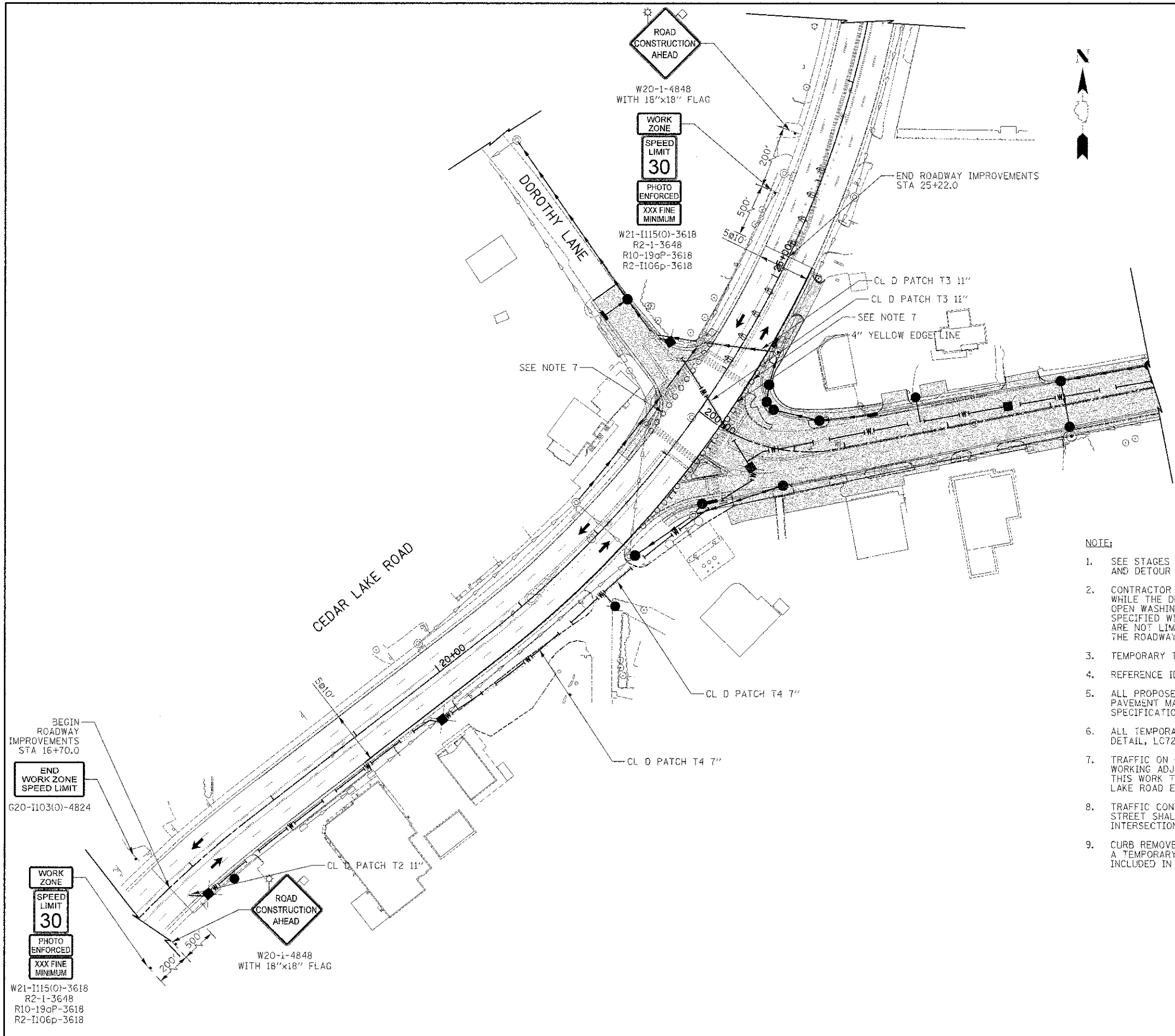
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 DEPARTMENT OF TRANSPORTATION

DETOUR PLAN  
 SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	75
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	BY	APPROVED	SUPERVISOR
		PRINTED	
		PLotted	
		TEMPLATE	
		NOTE BOOK	
		AREAS CHECKED	

DATE	BY	APPROVED	SUPERVISOR
		PRINTED	
		PLotted	
		TEMPLATE	
		NOTE BOOK	
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**LEGEND**

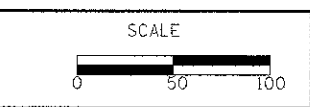
	PERMANENT PAVING (UNDER DETOUR)
	PROPOSED STORM SEWER
	EXISTING STORM SEWER
	TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' SPACING IN TAPERS, 10' SPACING IN CORNER RADII)
	DRUMS OR TYPE II BARRICADES WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS & DIRECTION INDICATOR PANELS @ 25' CTRS
	TYPE III BARRICADE WITH FLASHING LIGHTS
	TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
	AMBER FLASHING LIGHT
	18" x 18" FLAG
	TA (PE) TEMPORARY ACCESS (PRIVATE ENTRANCE)
	TA (CE) TEMPORARY ACCESS (COMMERCIAL ENTRANCE)

- NOTE:**
- SEE STAGES OF CONSTRUCTION TYPICAL SECTIONS FOR CONSTRUCTION PROCEDURES AND DETOUR DETAILS.
  - CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS IN A TIMELY MANNER WHILE THE DETOUR IS IN PLACE TO COMPLETE ITEMS OF WORK SUFFICIENT TO OPEN WASHINGTON STREET TO THE MOTORING PUBLIC BY THE COMPLETION DATE SPECIFIED WITHIN THE CONTRACT DOCUMENTS. ITEMS OF WORK SHALL INCLUDE, BUT ARE NOT LIMITED TO DRAINAGE & UTILITIES, CURB & GUTTER, SIDEWALKS, AND THE ROADWAY THROUGH BINDER COURSE WITH PAVED ENTRANCES AND SIDE ROADS.
  - TEMPORARY TRAFFIC SIGNS SHALL BE PLACED PER IDOT STANDARD 701901.
  - REFERENCE IDOT STANDARDS FOR TAPERS.
  - 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.
  - ALL TEMPORARY ACCESS LOCATIONS SHALL BE SIGNED ACCORDING TO LAKE COUNTY DETAIL, LC7201.
  - TRAFFIC ON CEDAR LAKE ROAD SHALL BE MAINTAINED PER STANDARD 701306 WHEN WORKING ADJACENT TO THE EXISTING THROUGH LANES. AFTER THE COMPLETION OF THIS WORK TYPE II BARRICADES SHALL BE PROVIDED JUST OUTSIDE OF CEDAR LAKE ROAD EDGE OF PAVEMENT.
  - TRAFFIC CONTROL FOR ALL INTERSECTIONS (SIDE ROADS) ALONG WASHINGTON STREET SHALL FOLLOW LCDOT DETAIL LC7004. SEE SHEET 75 FOR 'TYPICAL INTERSECTION ALONG WASHINGTON STREET' DETAIL.
  - CURB REMOVED TO ACCOMMODATE WATER MAIN AND UTILITY WORK SHALL INCLUDE A TEMPORARY HMA CURB REPLACEMENT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF CLASS D PATCHING.

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**STAGES OF CONSTRUCTION**

SHEET NO. 1 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	76
<b>CONTRACT NO. 63765</b>				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	DATE
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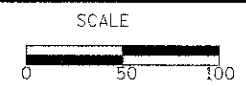
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**STATE OF ILLINOIS  
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**STAGES OF CONSTRUCTION**

SHEET NO. 2 OF 8 SHEETS STA. 5+00 TO STA. 24+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	77
<b>CONTRACT NO. 63765</b>				
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				



FINAL	DATE
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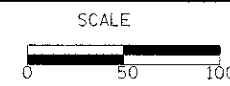
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DATE - 1/7/2013	REVISED -

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STAGES OF CONSTRUCTION

SHEET NO. 3 OF 8 SHEETS STA. 24+00 TO STA. 43+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	78
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 63765

FINISH SURVEY	DATE
SHARED SURVEY	BY
NOTE BOOK	PLOTTED
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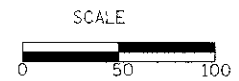
ORIGINAL SURVEY	DATE
SHARED SURVEY	BY
NOTE BOOK	PLOTTED
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**STAGES OF CONSTRUCTION**

SHEET NO. 4 OF 8 SHEETS STA. 43+50 TO STA. 63+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	79
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				<b>CONTRACT NO. 63765</b>

FINAL	DATE
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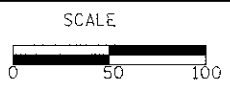
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 DEPARTMENT OF TRANSPORTATION



STAGES OF CONSTRUCTION

SHEET NO. 5 OF 8 SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	80
FED. ROAD DIST. NO. : ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	

DATE	
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DESIGNED	
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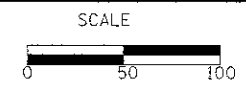
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**STATE OF ILLINOIS  
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**STAGES OF CONSTRUCTION**

SHEET NO. 6 OF 8 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	81
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	

PROGRAM SURVEY	DATE
NOTE BOOK	
AREAS CHECKED	

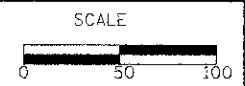
PROGRAM SURVEY	DATE
NOTE BOOK	
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DATE - 12/17/2012	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**STAGES OF CONSTRUCTION**

SHEET NO. 7 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	82
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	



FINAL SURVEY	DATE
SURVISED	BY
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ORIGINAL SURVEY	DATE
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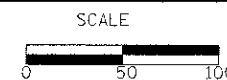
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DEPARTMENT OF TRANSPORTATION



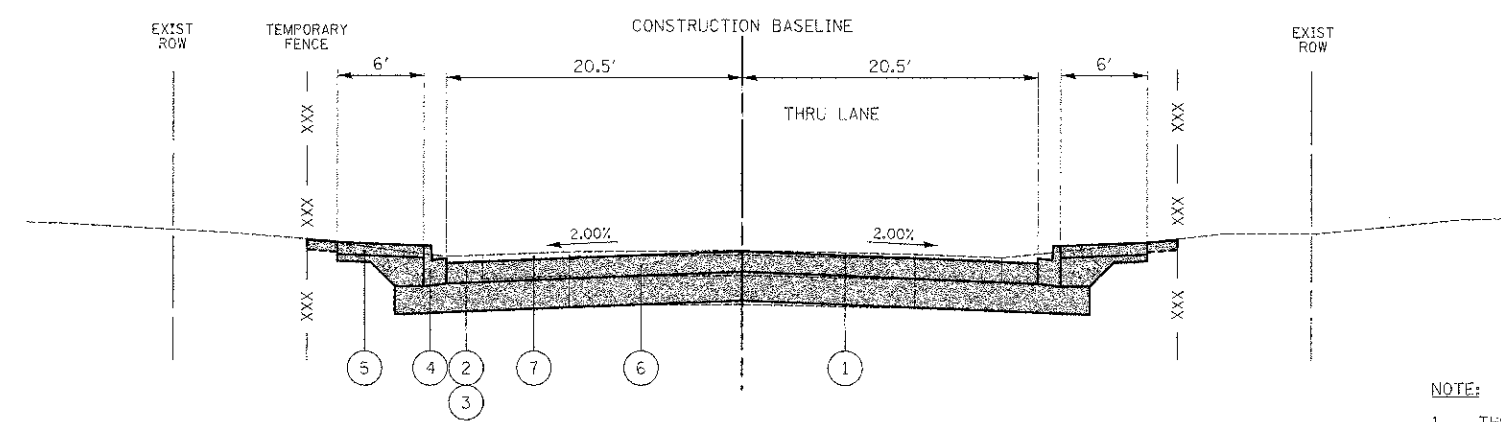
STAGES OF CONSTRUCTION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	83
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 63765

**PROPOSED LEGEND**

- ① EXISTING BITUMINOUS PAVEMENT
- ② PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
- ③ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ④ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑤ PROPOSED SIDEWALK
- ⑥ PAVEMENT REMOVAL
- ⑦ GRAVEL SHOULDER REMOVAL - PAID FOR AS "EARTH EXCAVATION"



**TYPICAL SECTION WASHINGTON STREET  
STA 200+00.00 TO STA 52+90.00**

**NOTE:**

1. THE CONTRACTOR IS REQUIRED TO KEEP A TRAVELED WAY (CAPABLE OF SUPPORTING VEHICLE LOADING) OPEN FOR EMERGENCY VEHICLE ACCESS AT ALL TIMES.  
  
IT IS THE INTENT OF THE CONTRACT THAT ACCESS TO ALL PROPERTIES BE MAINTAINED AT ALL TIMES TO THE EXTENT POSSIBLE. IT IS UNDERSTOOD THAT DURING THE CONSTRUCTION HOURS THERE MAY BE TIMES WHEN RESIDENTS MAY NOT BE ABLE TO ACCESS THEIR DRIVEWAYS AND ARE ENCOURAGED TO PARK ALONG NEARBY SIDE STREETS. HOWEVER, DURING THE PROJECT, THE CONTRACTOR SHALL WORK COOPERATIVELY WITH THE RESIDENTS AND ENGINEER TO ACCOMMODATE ACCESS AND TO COORDINATE TRASH PICK-UP ON THE REGULARLY SCHEDULED DAY.  
  
INTERMITTENT SIDEWALK EXISTS ALONG THE NORTH SIDE OF PROJECT (CEDAR LAKE RD TO GREENWOOD DR) AND SERVES AS A WALKING ROUTE TO SCHOOL. AN ACCESSIBLE SAFE ROUTE SHALL BE MAINTAINED THROUGHOUT THE PROJECT TO ACCOMMODATE STUDENTS THAT WALK TO SCHOOL. A QUANTITY OF AGGREGATE FOR TEMPORARY ACCESS MEASURED IN TONS HAS BEEN PROVIDED FOR CONSTRUCTION OF THE TEMPORARY ACCESSIBLE ROUTE AS DIRECTED BY THE ENGINEER.  
  
AT THE END OF EACH WORK DAY, THE CONTRACTOR, PER STANDARD SPECIFICATIONS SECTION 107.09 PUBLIC CONVENIENCE AND SAFETY AND AS DIRECTED BY THE ENGINEER, SHALL PROVIDE AND MAINTAIN AN ACCEPTABLE SURFACE OR TEMPORARY ROUTE FOR ROADS, SIDEWALKS, AND APPROACHES FOR ACCESS TO DRIVEWAYS, HOUSES, OR OTHER PROPERTY ABUTTING THE STREET BEING IMPROVED. THE COST INCURRED BY THE CONTRACTOR FOR PROVIDING TEMPORARY ACCESS WILL BE PAID FOR AS AN AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS AT THE CONTRACT UNIT PRICE PER EACH FOR TEMPORARY ACCESS (PRIVATE ENTRANCE), TEMPORARY ACCESS (COMMERCIAL ENTRANCE), TEMPORARY ACCESS (ROAD), OR SQUARE YARD FOR AGGREGATE SUBGRADE IMPROVEMENT 12".
2. 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.
3. ITEMS DESCRIBED WITHIN THE POST-DETOUR CAN BE CONSTRUCTED CONCURRENTLY WITH THE DETOUR STAGE AT THE DIRECTION OF THE ENGINEER.

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

PRE-DETOUR (NOT ILLUSTRATED)	DETOUR STAGE	POST-DETOUR (NOT ILLUSTRATED)
<ol style="list-style-type: none"> <li>1. ERECT ALL ADVANCED CONSTRUCTION SIGNING.</li> <li>2. IMPLEMENT SOIL &amp; SEDIMENT EROSION CONTROL PLAN AND PROVIDE TEMPORARY FENCE WHERE PERIMETER EROSION CONTROL BARRIER IS NOT SHOWN.</li> <li>3. REMOVE TREES AND RELOCATE TRAFFIC SIGNS WHERE NECESSARY.</li> <li>4. TURN OFF AND COVER TRAFFIC SIGNALS AT THE CEDAR LAKE ROAD AND WASHINGTON STREET, AND INSTALL TEMPORARY TRAFFIC SIGNALS.</li> <li>5. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS, ERECT BARRICADES AND TEMPORARY TRAFFIC SIGNS FOR A COMPLETE ROAD CLOSURE ALONG WASHINGTON STREET AND SHIFT TRAFFIC FOR DETOUR STAGING.</li> </ol>	<ol style="list-style-type: none"> <li>1. REMOVE EXISTING PAVEMENT, SIDEWALK, ENTRANCES, AND CURB AND GUTTER ON WASHINGTON STREET AND DOROTHY LANE.</li> <li>2. INSTALL DRAINAGE STRUCTURES, STORM SEWERS, AND CULVERTS ALONG WASHINGTON STREET AND ACROSS CEDAR LAKE ROAD.</li> <li>3. INSTALL WATER MAIN AND PATCH CEDAR LAKE ROAD AS NECESSARY.</li> <li>4. CONSTRUCT AGGREGATE SUBGRADE, PAVEMENT, CURB AND GUTTER, DRIVEWAYS, SIDEWALKS, AND STRUCTURES.</li> <li>5. IF NECESSARY, IMPLEMENT ADDITIONAL SEDIMENT EROSION CONTROL PLAN MEASURES WITHIN CONSTRUCTION LIMITS.</li> <li>6. REMOVE CONFLICTING PAVEMENT MARKINGS AND PLACE TEMPORARY MARKINGS, RELOCATE BARRICADES, ADJUST TEMPORARY SIGNING, TEMPORARY TRAFFIC SIGNALS, AND OPEN TRAFFIC ON WASHINGTON STREET.</li> </ol>	<ol style="list-style-type: none"> <li>1. WIDEN CEDAR LAKE ROAD TO CONSTRUCT A RIGHT TURN BAY, MAINTAINING TRAFFIC PER STANDARD 701306.</li> <li>2. MILL PAVEMENT ON CEDAR LAKE ROAD, MAINTAINING TRAFFIC PER STANDARD 701306, AND PROVIDE TEMPORARY RAMPS.</li> <li>3. PLACE SURFACE COURSE TO FINISHED GRADE, MAINTAINING TRAFFIC PER STANDARD 701501, AND PLACE SHORT-TERM PAVEMENT MARKINGS AS REQUIRED.</li> <li>4. REMOVE ALL CONFLICTING PAVEMENT MARKINGS, PLACE PERMANENT PAVEMENT MARKINGS AND PERMANENT SIGNING, AND REMOVE ALL TEMPORARY TRAFFIC SIGNS.</li> <li>5. COMPLETE ALL PERMANENT TRAFFIC SIGNAL INSTALLATIONS AND REMOVE TEMPORARY SIGNALS AT THE DIRECTION OF THE ENGINEER.</li> <li>6. COMPLETE ALL REMAINING LANDSCAPING AND CLEAN-UP WORK.</li> </ol>

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**SEDIMENTATION AND EROSION CONTROL NOTES**

1. 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.
2. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
3. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE.
4. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE STABILIZED WITH SOD, MAT, OR BLANKET IN COMBINATION WITH SEEDING.
5. EROSION CONTROL BLANKET SHALL BE REQUIRED ON ALL INTERIOR DETENTION BASIN/CHANNEL SIDE SLOPES BETWEEN NORMAL WATER LEVEL AND HIGH WATER LEVEL.
6. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
7. 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.
8. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
9. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE.)
10. 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.
11. QUANTITIES HAVE BEEN PROVIDED FOR TEMPORARY FENCE, EROSION CONTROL BLANKET, MULCH METHOD 2, HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL FLOCCULATION LOGS, FLOCCULATION POWDER, TEMPORARY SEEDING, TEMPORARY DITCH CHECKS, PERMEABLE PLASTIC BERMS AND EARTH EXCAVATION FOR EROSION CONTROL TO BE USED AT THE DIRECTION OF THE RESIDENT ENGINEER.

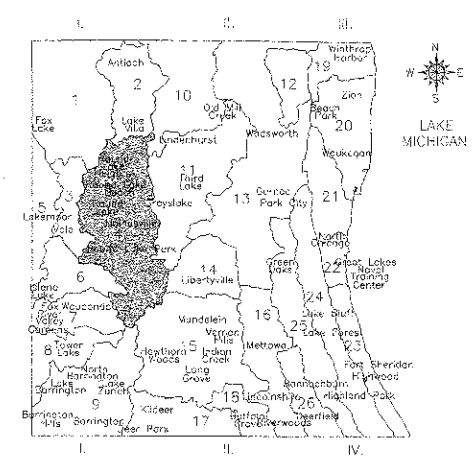
**NPDES STATEMENT:**

THIS PROJECT DISTURBS 15.3 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS ONLY NECESSARY IF A PROJECT DISTURBS 1.0 OR MORE ACRES OF TOTAL LAND AREA; AN NPDES STORMWATER PERMIT IS REQUIRED FOR THIS PROJECT.

**ESTIMATED QUANTITIES:**

- 4,394 FEET - PERIMETER EROSION BARRIER
- 3 EACH - INLET AND PIPE PROTECTION
- 131 EACH - INLET FILTERS
- 15,743 SQ YD - SODDING
- 0.25 ACRE - SEEDING, CLASS 1 (MODIFIED)
- 336 POUND - TEMPORARY EROSION CONTROL SEEDING
- 16,080 SQ YD - TOPSOIL FURNISH AND PLACE, 4"
- 12,132 FEET - TEMPORARY FENCE
- 16,080 SQ YD - EROSION CONTROL BLANKET
- 100 SQ YD - HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL (AKA - EROSION CONTROL MAT)
- 200 EACH - FLOCCULATION LOGS
- 25 POUND - FLOCCULATION POWDER
- 90 EACH - TREE PROTECTION & PRESERVATION
- 84 FEET - TEMPORARY DITCH CHECKS
- 84 FEET - TEMPORARY DITCH CHECKS (SPECIAL) (AKA - PERMEABLE PLASTIC BERMS)
- 3.5 ACRE - MULCH, METHOD 2

**DRAINAGE BASINS OF LAKE COUNTY**

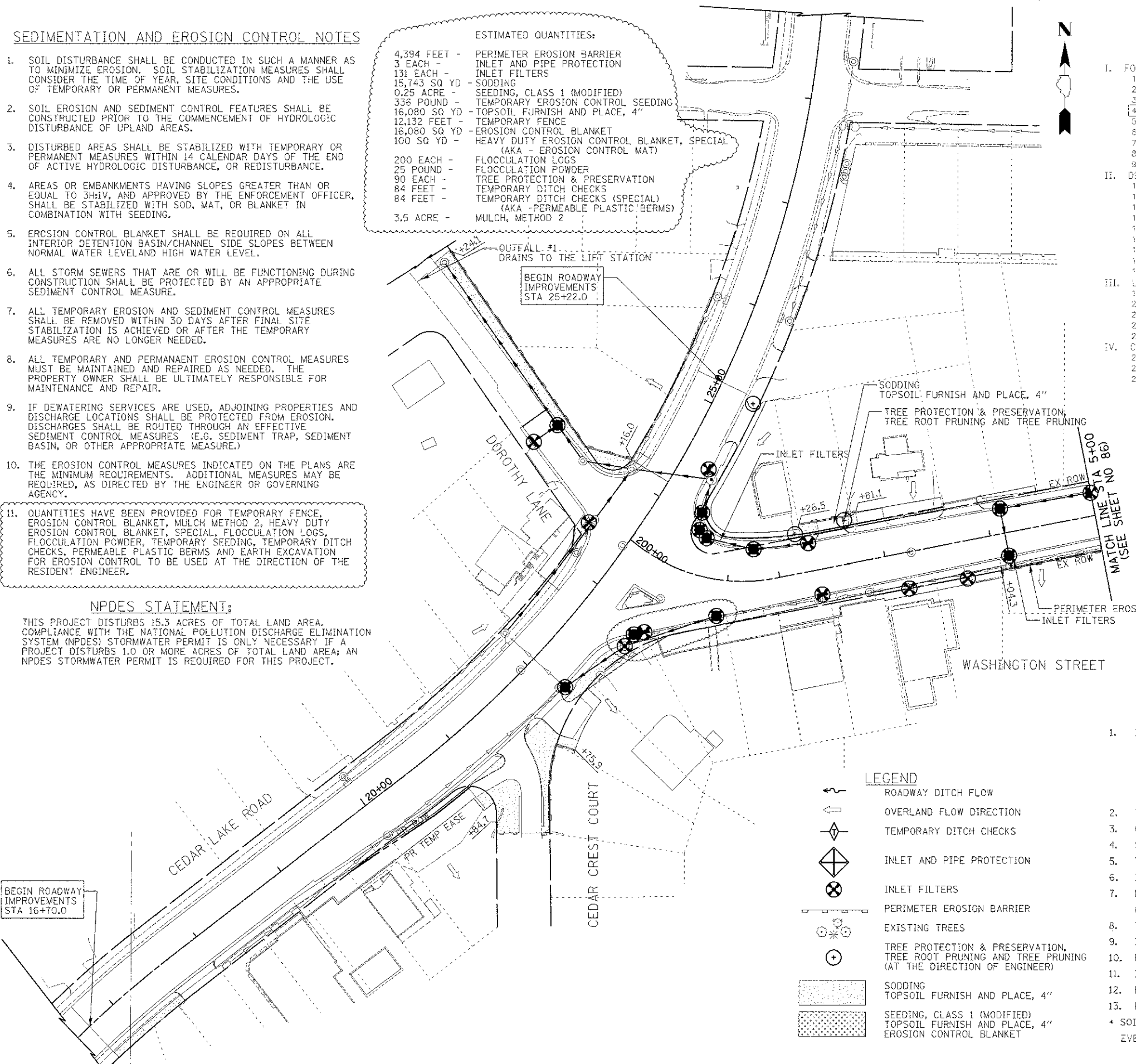


- I. FOX RIVER WATERSHED
  1. Upper Fox River
  2. Sequoit Creek
  3. Fish Lake Drain
  4. Squaw Creek
  5. Lower Fox River
  6. Mutton Creek
  7. Siacum Lake Drain
  8. Tower Lake Drain
  9. Flint Creek
- II. DES PLAINES RIVER WATERSHED
  10. North Mill Creek
  11. Mill Creek
  12. Newport Drainage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

- NOTE:**
1. EROSION CONTROL SHEETS REFLECT FINAL LANDSCAPING.
  2. PERIMETER EROSION BARRIER SHALL BE INSTALLED 1 FOOT FROM RIGHT-OF-WAY OR EASEMENT. REFERENCE THE PLAT OF HIGHWAY SHEETS FOR STATIONS AND OFFSETS.
  3. QUANTITY OF DEWATERING PROVIDED TO COVER THE COST OF KEEPING THE CONSTRUCTION SITE DRY THROUGHOUT THE PROJECT. QUANTITY OF SEDIMENT COLLECTION CHAMBER SYSTEM, TEMPORARY PROVIDED AS MEANS OF CLEANING THE STORM RUNOFF OR WATER PRODUCED BY DEWATERING WHEN DOING CONSTRUCTION ON THE PROXIMITY OF ROUND LAKE, PARTICULARLY AT DAVE'S CHANNEL.
  4. HALF TRAPS SHALL BE PROVIDED THROUGHOUT THE PROJECT WHERE INDICATED TO PROVIDE A MEANS OF KEEPING STORM SEWER OUTFALLS CLEAN. THE DROP PORTION OF INLET SHALL RETAIN ALL SOLID MATERIAL AND THE TRAP SHALL PREVENT ALL FLOATING DEBRIS FROM ENTERING OUTLET PIPE. THE COST OF CONSTRUCTING HALF TRAPS SHALL BE INCLUDED IN THE COST OF THE CATCH BASIN BEING CONSTRUCTED.

**SMC TYPICAL CONSTRUCTION SEQUENCE**

1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
    - A. SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
    - B. SILT FENCE INSTALLATION
    - C. CONSTRUCTION FENCING AROUND AREAS NOT TO BE DISTURBED
  2. TREE REMOVAL WHERE NECESSARY (CLEAR & GRUB)
  3. CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS, ETC.)
  4. STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE
  5. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE)
  6. INSTALL STORM SEWER, SANITARY SEWER, WATER AND ASSOCIATED INLET & OUTLET PROTECTION
  7. PERMANENTLY STABILIZE DETENTION BASINS/CHANNELS/SENSITIVE WITH SEED AND EROSION CONTROL BLANKET
  8. TEMPORARILY STABILIZE ALL AREAS LOTS THAT HAVE REACHED TEMPORARY GRADE
  9. INSTALL ROADWAYS
  10. PERMANENTLY STABILIZE ALL OUTLET AREAS
  11. INSTALL STRUCTURES AND GRADE THE SITE
  12. PERMANENTLY STABILIZE THE SITE
  13. REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION
- \* SOIL EROSION AND SEDIMENT CONTROL MAINTENANCE MUST OCCUR EVERY TWO WEEKS AND AFTER EVERY 1/2" OR GREATER RAINFALL EVENT



**LEGEND**

- [Symbol] ROADWAY DITCH FLOW
- [Symbol] OVERLAND FLOW DIRECTION
- [Symbol] TEMPORARY DITCH CHECKS
- [Symbol] INLET AND PIPE PROTECTION
- [Symbol] INLET FILTERS
- [Symbol] PERIMETER EROSION BARRIER
- [Symbol] EXISTING TREES
- [Symbol] TREE PROTECTION & PRESERVATION, TREE ROOT PRUNING AND TREE PRUNING (AT THE DIRECTION OF ENGINEER)
- [Symbol] SODDING
- [Symbol] TOPSOIL FURNISH AND PLACE, 4"
- [Symbol] SEEDING, CLASS 1 (MODIFIED)
- [Symbol] TOPSOIL FURNISH AND PLACE, 4"
- [Symbol] EROSION CONTROL BLANKET

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

DESIGNED - PK	REVISED - 4/10/2013
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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

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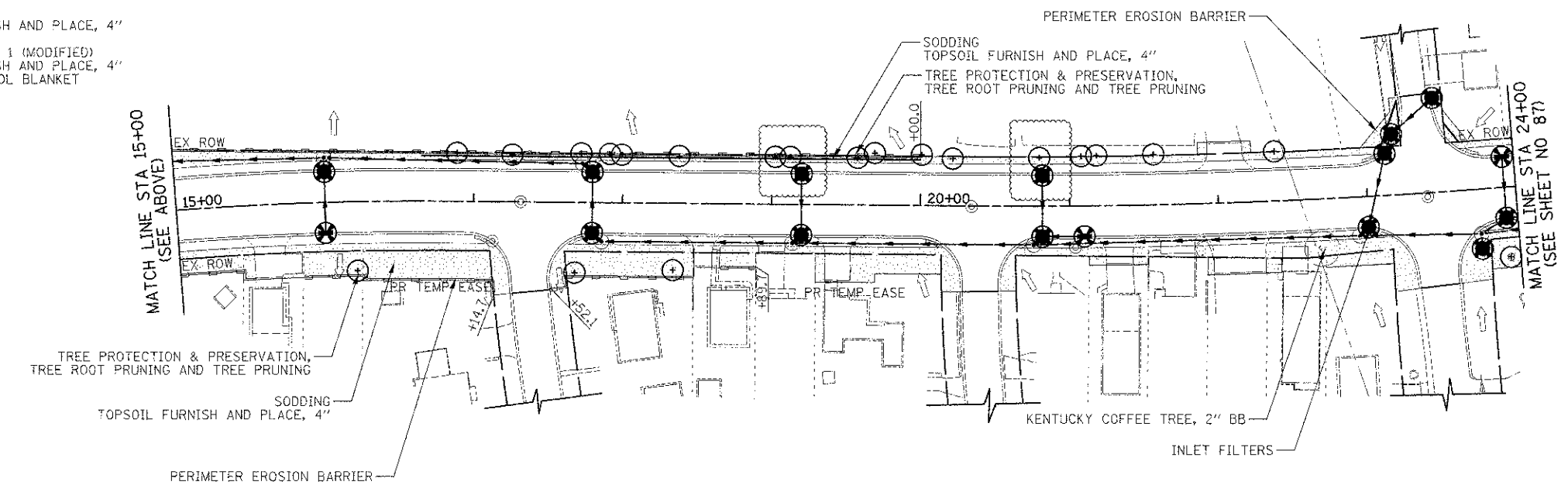
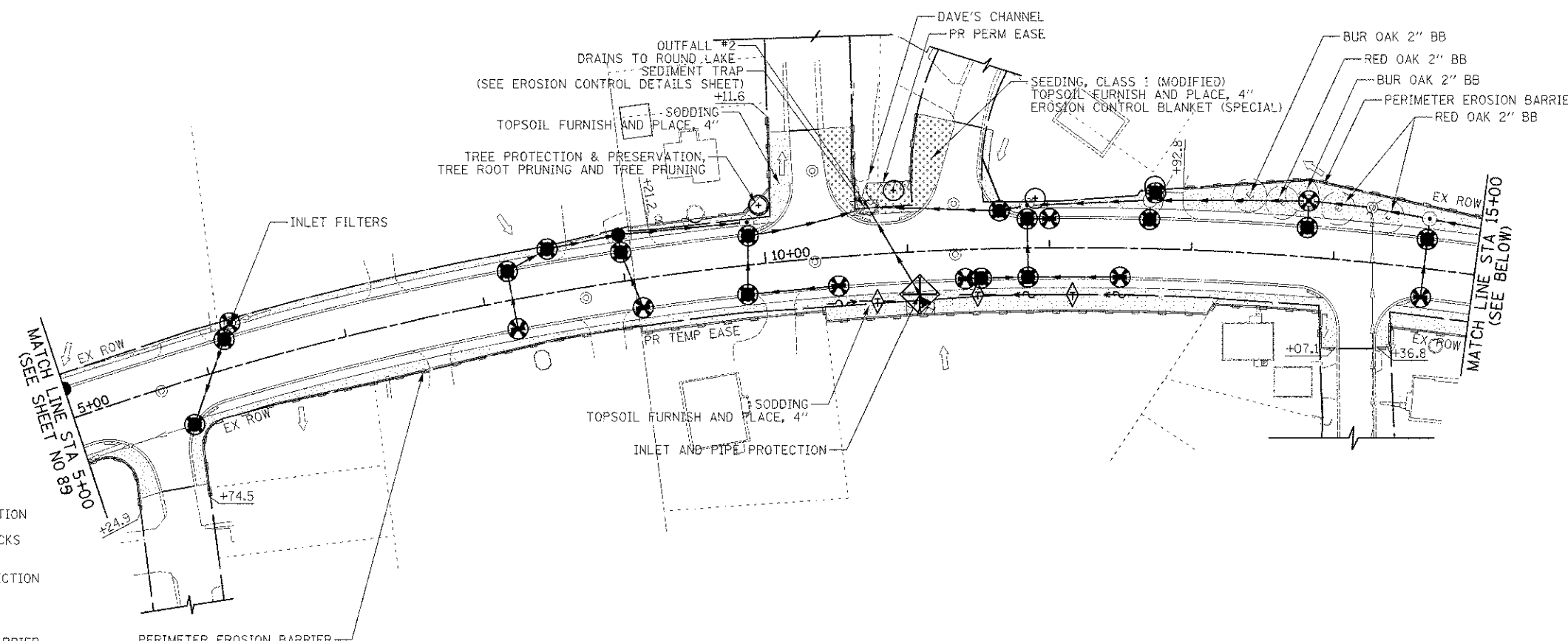
**EROSION CONTROL PLAN**  
 SHEET NO. 1 OF 6 SHEETS STA. 200+00 TO STA. 5+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
0187	05-C0121-07-WR	LAKE	223 85
			CONTRACT NO. 63765
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

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- LEGEND**
- ROADWAY DITCH FLOW
  - OVERLAND FLOW DIRECTION
  - TEMPORARY DITCH CHECKS
  - INLET AND PIPE PROTECTION
  - INLET FILTERS
  - PERIMETER EROSION BARRIER
  - EXISTING TREES
  - TREE PROTECTION & PRESERVATION, TREE ROOT PRUNING AND TREE PRUNING (AT THE DIRECTION OF ENGINEER)
  - SODDING
  - TOPSOIL FURNISH AND PLACE, 4"
  - SEEDING, CLASS 1 (MODIFIED) TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET



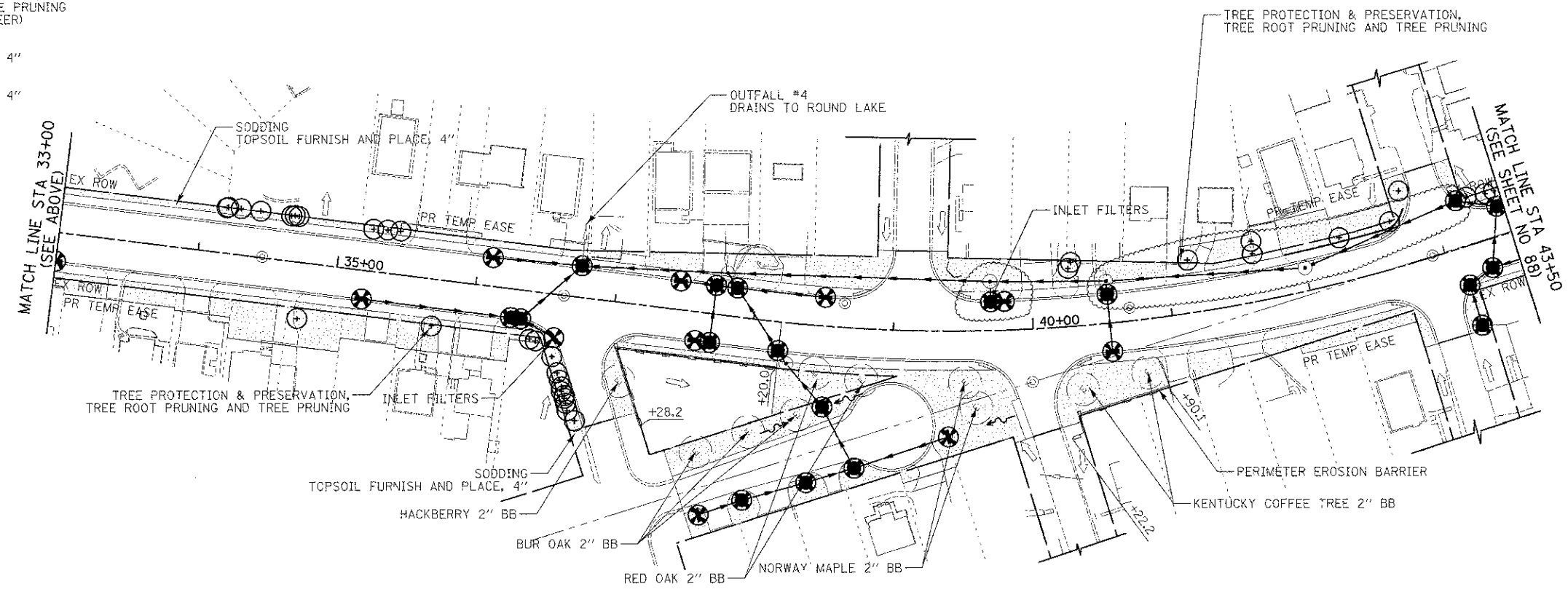
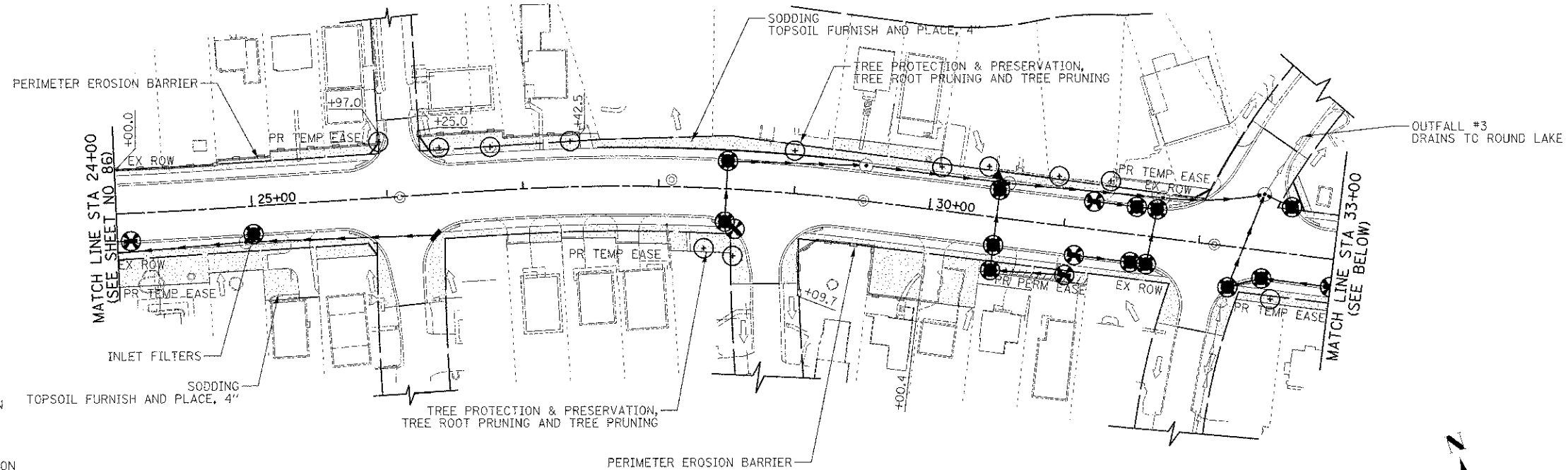
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**LEGEND**

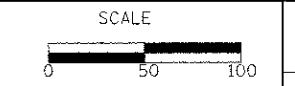
- ROADWAY DITCH FLOW
- OVERLAND FLOW DIRECTION
- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION
- INLET FILTERS
- PERIMETER EROSION BARRIER
- EXISTING TREES
- TREE PROTECTION & PRESERVATION, TREE ROOT PRUNING AND TREE PRUNING (AT THE DIRECTION OF ENGINEER)
- SODDING TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 1 (MODIFIED) TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET



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DESIGNED - PK	REVISED - 4/10/2013
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CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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

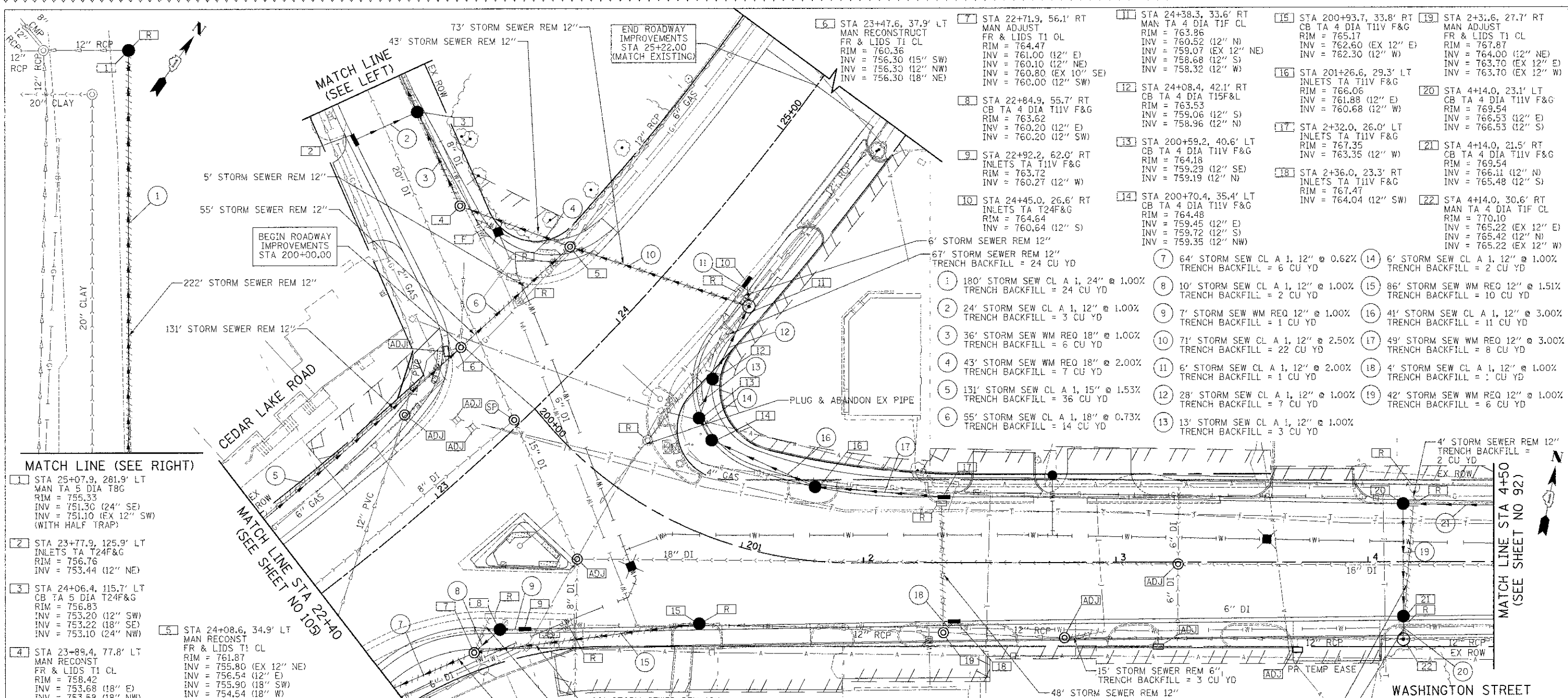


**EROSION CONTROL PLAN**  
 SHEET NO. 3 OF 6 SHEETS STA. 24+00 TO STA. 43+50

F.A.I. RTE. 0187	SECTION 05-00121-07-WR	COUNTY LAKE	TOTAL SHEETS 223	SHEET NO. 87
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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AREAS CHECKED	

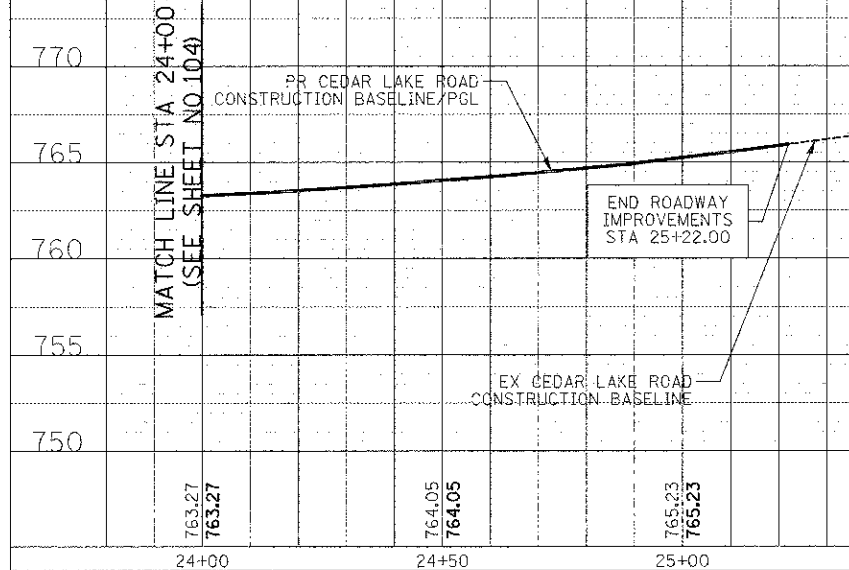
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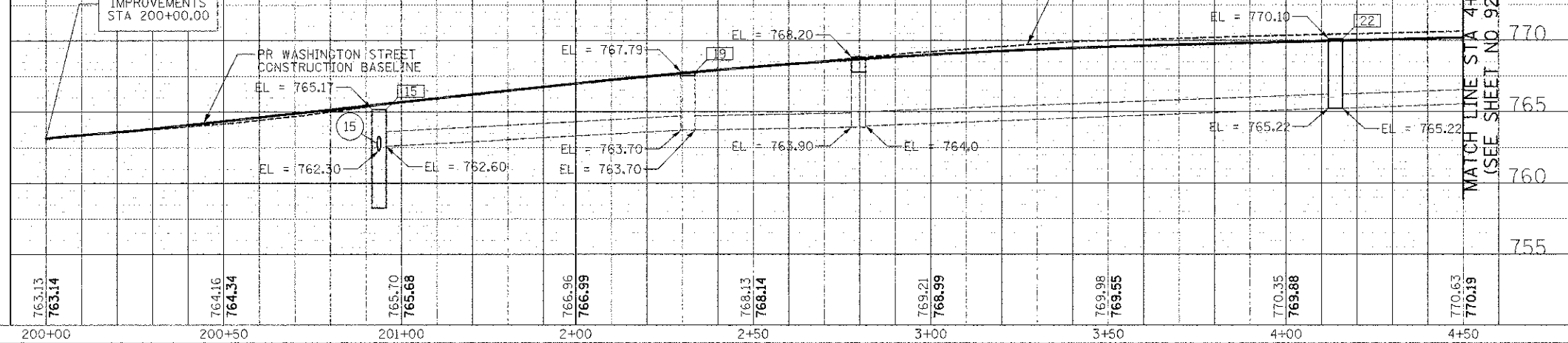
MATCH LINE (SEE RIGHT)

- 1 STA 25+07.9, 281.9' LT  
MAN TA 5 DIA T8C  
RIM = 755.33  
INV = 751.30 (24" SE)  
INV = 751.10 (EX 12" SW)  
(WITH HALF TRAP)
- 2 STA 23+77.9, 125.9' LT  
INLETS TA T24F&G  
RIM = 756.76  
INV = 753.44 (12" NE)
- 3 STA 24+06.4, 115.7' LT  
CB TA 5 DIA T24F&G  
RIM = 756.83  
INV = 753.20 (12" SW)  
INV = 753.22 (18" SE)  
INV = 753.10 (24" NW)
- 4 STA 23+89.4, 77.8' LT  
MAN RECONSTRUCT  
FR & LIDS T1 CL  
RIM = 761.87  
INV = 755.80 (EX 12" NE)  
INV = 756.54 (12" E)  
INV = 755.90 (18" SW)  
INV = 754.54 (18" W)
- 5 STA 24+08.6, 34.9' LT  
MAN RECONSTRUCT  
FR & LIDS T1 CL  
RIM = 761.87  
INV = 755.80 (EX 12" NE)  
INV = 756.54 (12" E)  
INV = 755.90 (18" SW)  
INV = 754.54 (18" W)

CEDAR LAKE ROAD PROFILE



WASHINGTON STREET PROFILE



- 6 STA 23+47.6, 37.9' LT  
MAN RECONSTRUCT  
FR & LIDS T1 CL  
RIM = 760.36  
INV = 756.30 (15" SW)  
INV = 756.30 (12" NW)  
INV = 756.30 (18" NE)
- 7 STA 22+71.9, 56.1' RT  
MAN ADJUST  
FR & LIDS T1 OL  
RIM = 764.47  
INV = 761.00 (12" E)  
INV = 760.10 (12" NE)  
INV = 760.80 (EX 10" SE)  
INV = 760.00 (12" SW)
- 8 STA 22+84.9, 55.7' RT  
CB TA 4 DIA T11V F&G  
RIM = 763.62  
INV = 760.20 (12" E)  
INV = 760.20 (12" W)
- 9 STA 22+92.2, 62.0' RT  
INLETS TA T11V F&G  
RIM = 763.72  
INV = 760.27 (12" W)
- 10 STA 24+45.0, 26.6' RT  
INLETS TA T24F&G  
RIM = 764.64  
INV = 760.64 (12" S)
- 11 STA 24+38.3, 33.6' RT  
MAN TA 4 DIA T1F CL  
RIM = 763.86  
INV = 760.52 (12" N)  
INV = 759.07 (EX 12" NE)  
INV = 768.68 (12" S)  
INV = 758.32 (12" W)
- 12 STA 24+08.4, 42.1' RT  
CB TA 4 DIA T11V F&G  
RIM = 763.53  
INV = 759.06 (12" S)  
INV = 758.96 (12" N)
- 13 STA 200+59.2, 40.6' LT  
CB TA 4 DIA T11V F&G  
RIM = 764.18  
INV = 759.29 (12" SE)  
INV = 759.19 (12" N)
- 14 STA 200+70.4, 35.4' LT  
CB TA 4 DIA T11V F&G  
RIM = 764.48  
INV = 759.45 (12" E)  
INV = 759.72 (12" S)  
INV = 759.35 (12" NW)
- 15 STA 200+93.7, 33.8' RT  
CB TA 4 DIA T11V F&G  
RIM = 765.17  
INV = 762.60 (EX 12" E)  
INV = 762.30 (12" W)
- 16 STA 201+26.6, 29.3' LT  
INLETS TA T11V F&G  
RIM = 766.06  
INV = 761.88 (12" E)  
INV = 760.68 (12" W)
- 17 STA 2+32.0, 26.0' LT  
INLETS TA T11V F&G  
RIM = 767.35  
INV = 763.35 (12" W)
- 18 STA 2+36.0, 23.3' RT  
INLETS TA T11V F&G  
RIM = 767.47  
INV = 764.04 (12" SW)
- 19 STA 2+31.6, 27.7' RT  
MAN ADJUST  
FR & LIDS T1 CL  
RIM = 767.87  
INV = 764.00 (12" NE)  
INV = 763.70 (EX 12" E)  
INV = 763.70 (EX 12" W)
- 20 STA 4+14.0, 23.1' LT  
CB TA 4 DIA T11V F&G  
RIM = 769.54  
INV = 766.53 (12" E)  
INV = 766.53 (12" S)
- 21 STA 4+14.0, 21.5' RT  
MAN TA 4 DIA T11V F&G  
RIM = 769.54  
INV = 766.11 (12" N)  
INV = 765.48 (12" S)
- 22 STA 4+14.0, 30.6' RT  
MAN TA 4 DIA T1F CL  
RIM = 770.10  
INV = 765.22 (EX 12" E)  
INV = 765.42 (12" N)  
INV = 765.22 (EX 12" W)



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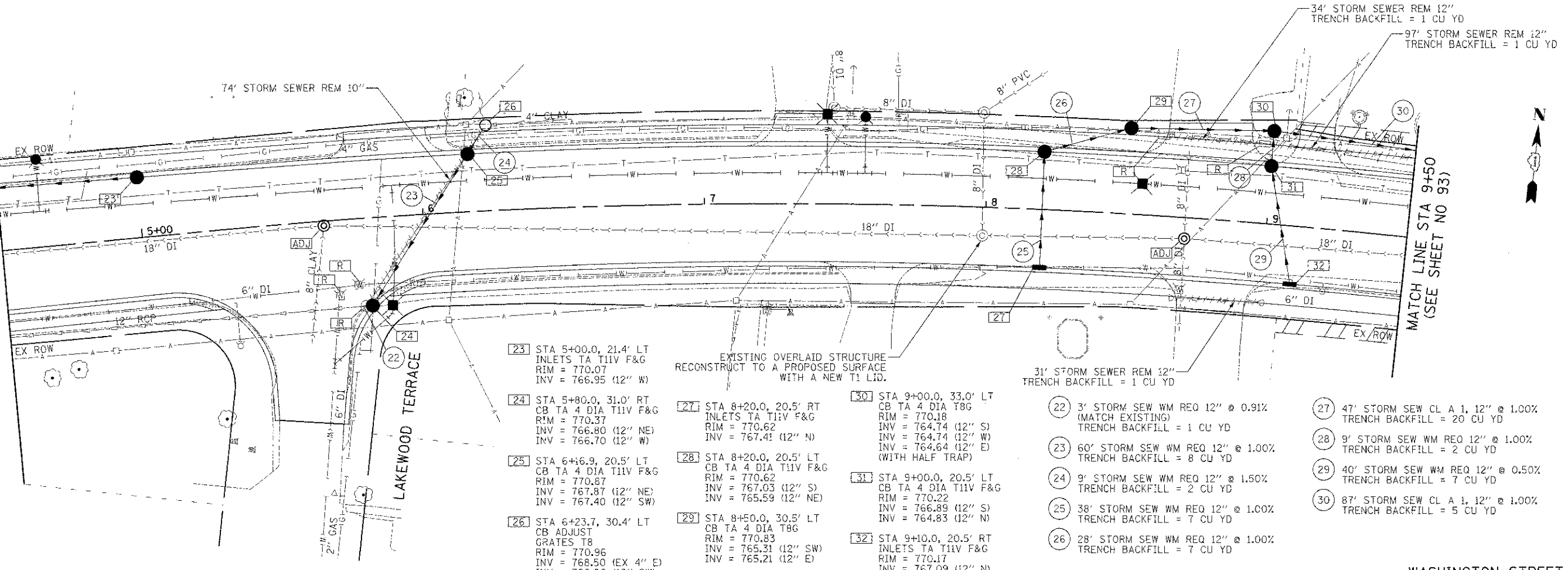
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MATCH LINE STA 4+50  
(SEE SHEET NO 91)

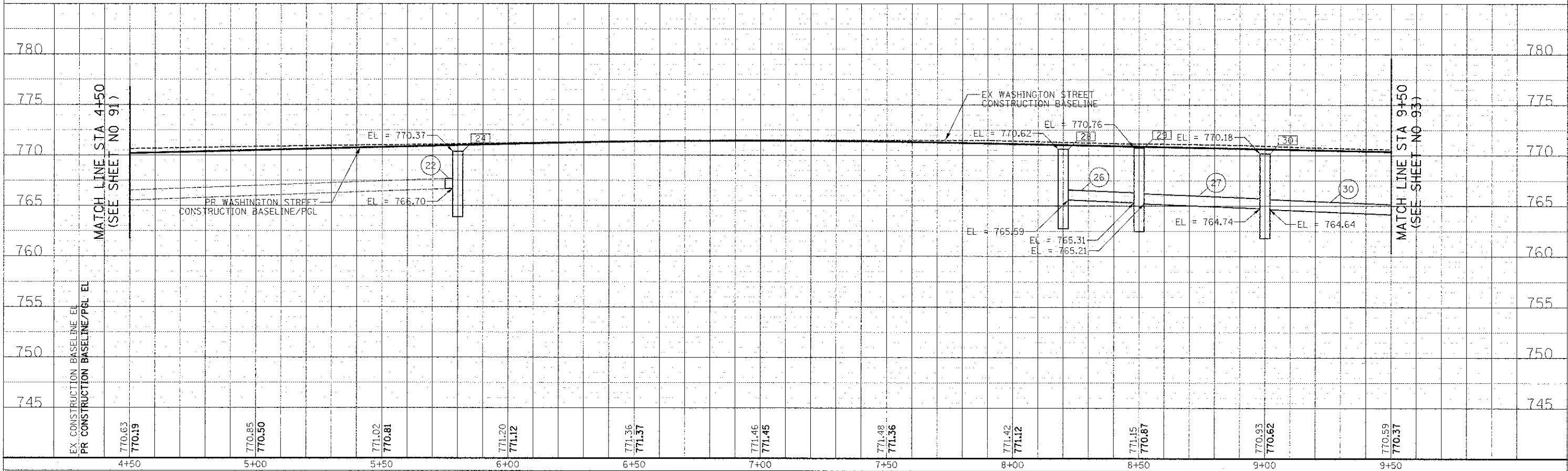
MATCH LINE STA 4+50  
(SEE SHEET NO 91)

MATCH LINE STA 9+50  
(SEE SHEET NO 93)

WASHINGTON STREET



- 23 STA 5+00.0, 21.4' LT INLETS TA T11V F&G RIM = 770.07 INV = 766.95 (12" W)
- 24 STA 5+80.0, 31.0' RT CB TA 4 DIA T11V F&G RIM = 770.37 INV = 766.80 (12" NE) INV = 766.70 (12" W)
- 25 STA 6+16.9, 20.5' LT CB TA 4 DIA T11V F&G RIM = 770.87 INV = 767.87 (12" NE) INV = 767.40 (12" SW)
- 26 STA 6+23.7, 30.4' LT CB ADJUST GRATES T8 RIM = 770.96 INV = 768.50 (EX 4" E) INV = 768.00 (12" SW)
- 27 STA 8+20.0, 20.5' RT INLETS TA T11V F&G RIM = 770.62 INV = 767.41 (12" N)
- 28 STA 8+20.0, 20.5' LT CB TA 4 DIA T11V F&G RIM = 770.62 INV = 767.03 (12" S) INV = 765.59 (12" NE)
- 29 STA 8+50.0, 30.5' LT CB TA 4 DIA T8G RIM = 770.83 INV = 765.31 (12" SW) INV = 765.21 (12" E)
- 30 STA 9+00.0, 33.0' LT CB TA 4 DIA T8G RIM = 770.18 INV = 764.74 (12" S) INV = 764.64 (12" E) (WITH HALF TRAP)
- 31 STA 9+00.0, 20.5' LT CB TA 4 DIA T11V F&G RIM = 770.22 INV = 766.89 (12" S) INV = 764.83 (12" N)
- 32 STA 9+10.0, 20.5' RT INLETS TA T11V F&G RIM = 770.17 INV = 767.09 (12" N)
- 22 3' STORM SEW WM REQ 12" @ 0.91% (MATCH EXISTING) TRENCH BACKFILL = 1 CU YD
- 23 60' STORM SEW WM REQ 12" @ 1.00% TRENCH BACKFILL = 8 CU YD
- 24 9' STORM SEW WM REQ 12" @ 1.50% TRENCH BACKFILL = 2 CU YD
- 25 38' STORM SEW WM REQ 12" @ 1.00% TRENCH BACKFILL = 7 CU YD
- 26 28' STORM SEW WM REQ 12" @ 1.00% TRENCH BACKFILL = 7 CU YD
- 27 47' STORM SEW CL A 1, 12" @ 1.00% TRENCH BACKFILL = 20 CU YD
- 28 9' STORM SEW WM REQ 12" @ 1.00% TRENCH BACKFILL = 2 CU YD
- 29 40' STORM SEW WM REQ 12" @ 0.50% TRENCH BACKFILL = 7 CU YD
- 30 87' STORM SEW CL A 1, 12" @ 1.00% TRENCH BACKFILL = 5 CU YD



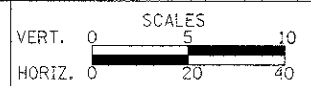
4+50	5+00	5+50	6+00	6+50	7+00	7+50	8+00	8+50	9+00	9+50											
770.63	770.19	770.85	770.50	771.02	770.81	771.20	771.12	771.36	771.37	771.46	771.45	771.48	771.36	771.42	771.12	771.15	770.87	770.93	770.62	770.59	770.37



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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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DEPARTMENT OF TRANSPORTATION



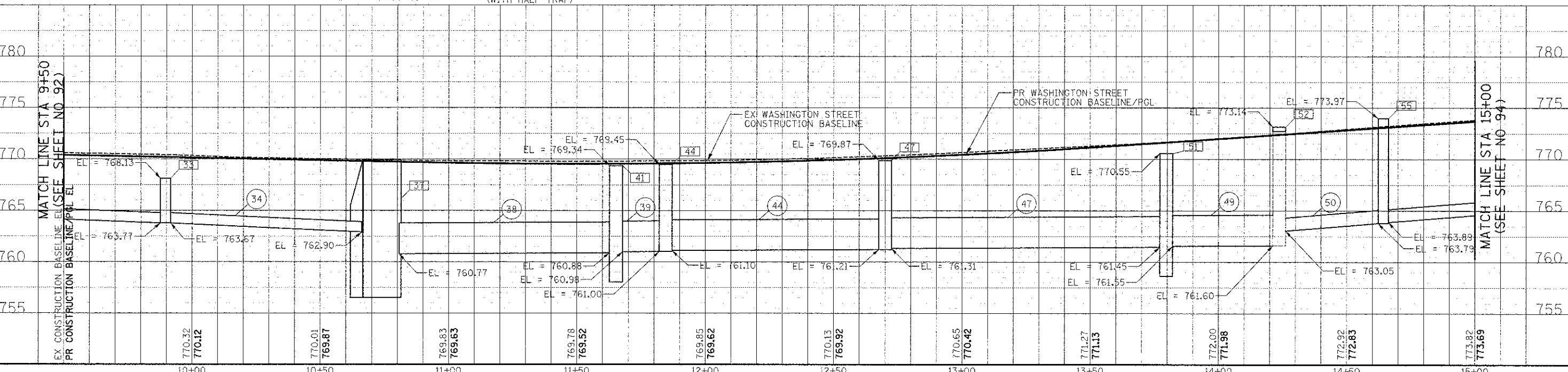
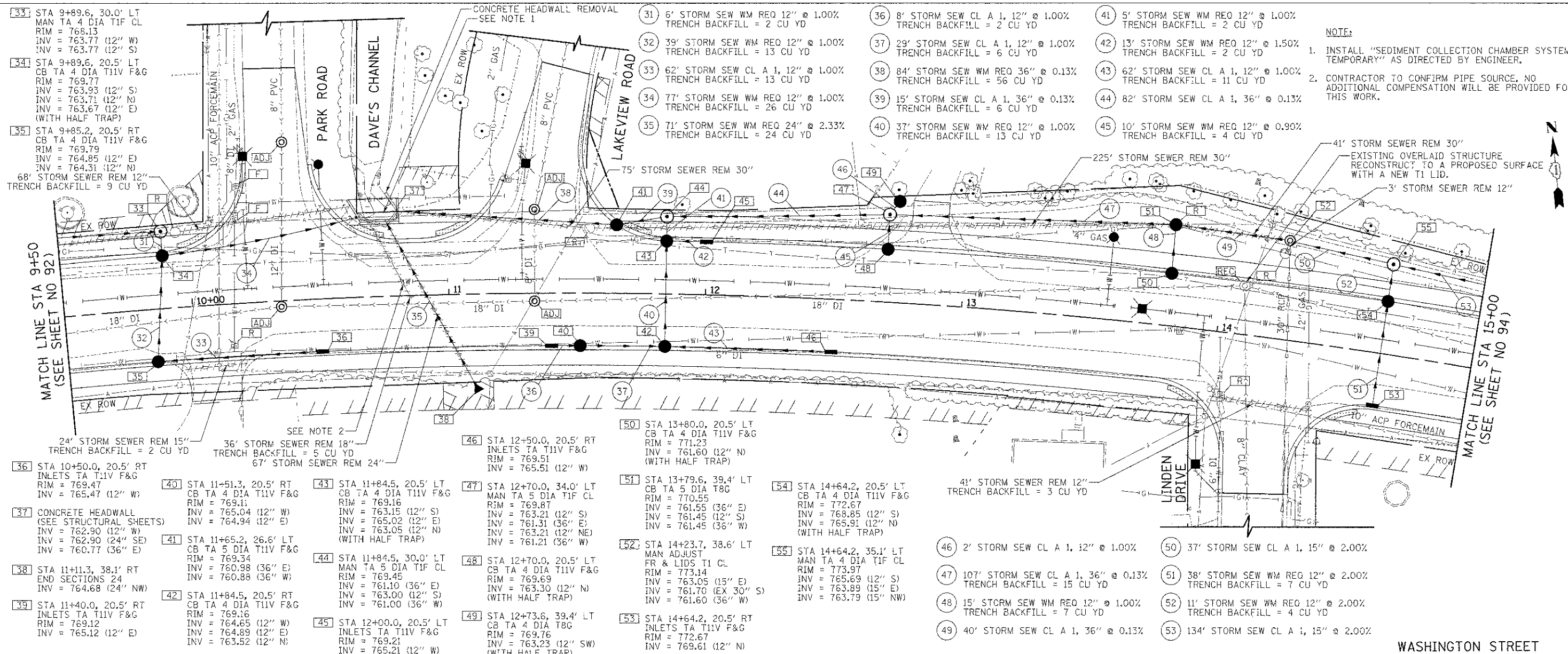
DRAINAGE AND UTILITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
0187	05-00121-07-WR	LAKE	223 92
SHEET NO. 2 OF 15 SHEETS STA. 4+50 TO STA. 9+50			CONTRACT NO. 63765
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



BY	DATE
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CHECKED - RTM	
DATE - 12/17/2012	

BY	DATE
DESIGNED - PK	
DRAWN - JRR	
CHECKED - RTM	
DATE - 12/17/2012	



**NOTE:**

- INSTALL "SEDIMENT COLLECTION CHAMBER SYSTEM, TEMPORARY" AS DIRECTED BY ENGINEER.
- CONTRACTOR TO CONFIRM PIPE SOURCE, NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THIS WORK.



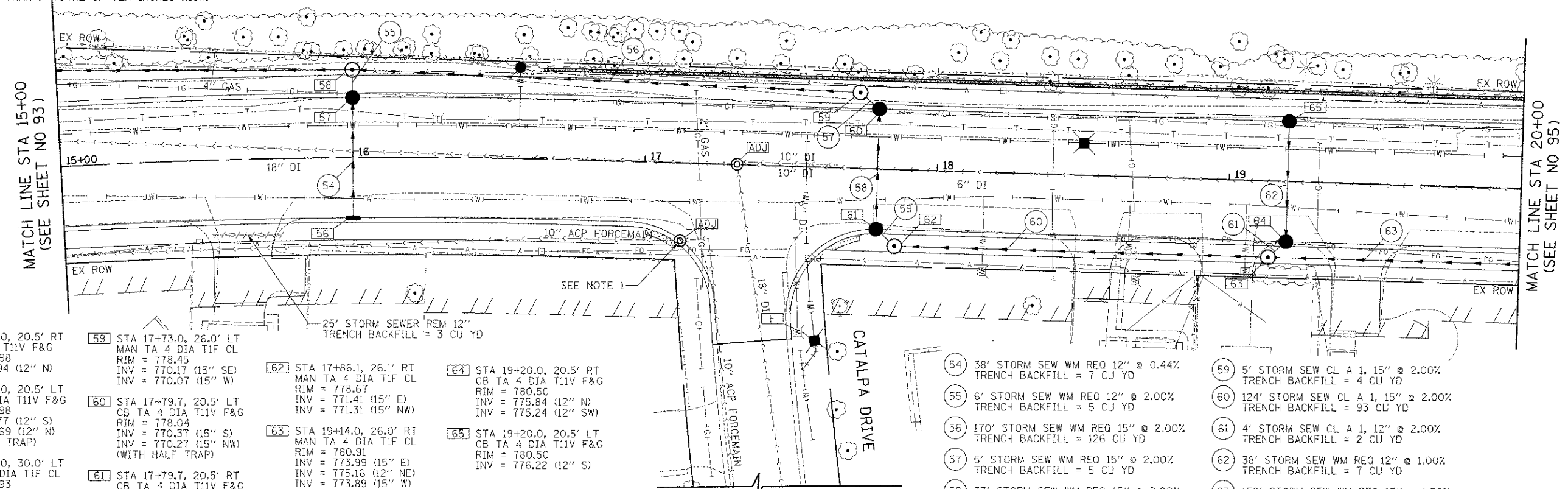
NOTE:

1. VERIFY WHETHER THE AIR RELIEF VALVE VAULT HAS AN ECCENTRIC OR CONCENTRIC CONE TO DETERMINE IF THE CONE CAN BE ROTATED TO AVOID THE CURB. THE CONE SECTION MAY BE REPLACED TO AN ECCENTRIC TYPE IF IT'S CURRENTLY A CONCENTRIC TYPE AS LONG AS THE ADJUSTMENTS DO NOT CONFLICT WITH THE ABILITY TO ACCESS THE AIR RELIEF VALVE FROM THE TOP OF THE STRUCTURE AS IT NEEDS TO BE ACCESSIBLE FOR MAINTENANCE. VALVE VAULT SHALL BE PROVIDED WITH ADJUSTING RINGS NO LESS THAN TWO INCH HIGH AND NO MORE THAN A TOTAL OF TEN INCHES HIGH.

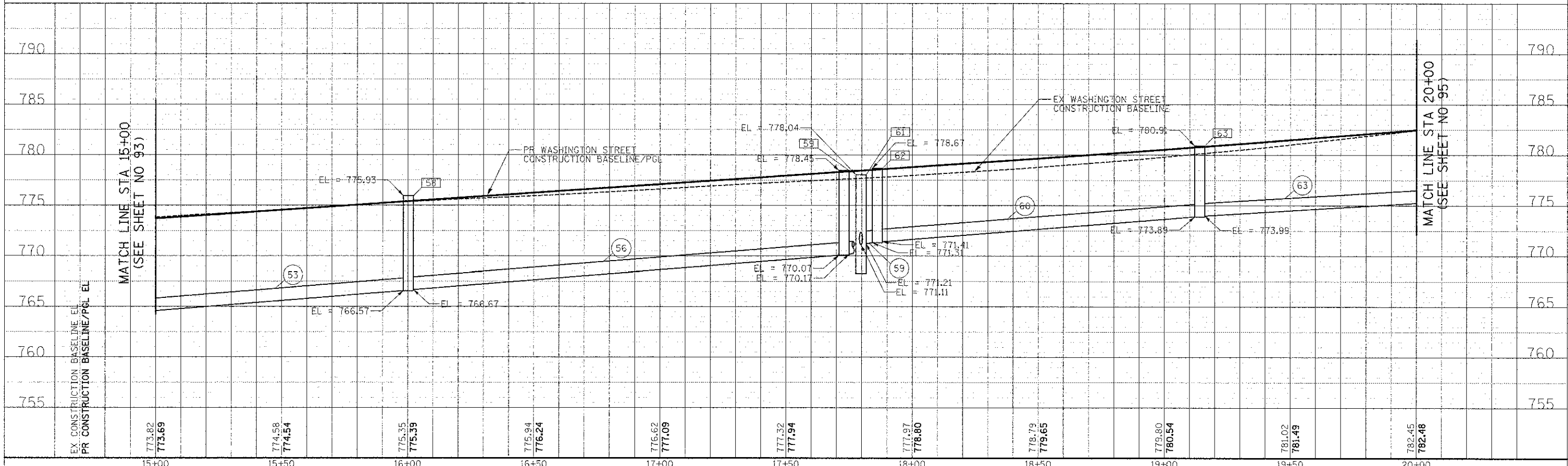


DATE	
BY	
FINAL SURVEY	
PILOTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PILOTED	
NOTE BOOK	
AREAS CHECKED	



- |   |  |  |   |
|---|--|--|---|
| <p>56 STA 16+00.0, 20.5' RT INLETS TA T11V F&amp;G RIM = 774.98 INV = 771.94 (12" N)</p> <p>57 STA 16+00.0, 20.5' LT CB TA 4 DIA T11V F&amp;G RIM = 774.98 INV = 771.77 (12" S) INV = 768.69 (12" N) (WITH HALF TRAP)</p> <p>58 STA 16+00.0, 30.0' LT MAN TA 4 DIA T1F CL RIM = 775.93 INV = 768.57 (12" S) INV = 766.87 (15" E) INV = 766.57 (15" W)</p> | <p>59 STA 17+73.0, 26.0' LT MAN TA 4 DIA T1F CL RIM = 778.45 INV = 770.17 (15" SE) INV = 770.07 (15" W)</p> <p>60 STA 17+79.7, 20.5' LT CB TA 4 DIA T11V F&amp;G RIM = 778.04 INV = 770.37 (15" S) INV = 770.27 (15" NW) (WITH HALF TRAP)</p> <p>61 STA 17+79.7, 20.5' RT CB TA 4 DIA T11V F&amp;G RIM = 778.04 INV = 771.21 (15" SE) INV = 771.11 (15" N)</p> | <p>62 STA 17+86.1, 26.1' RT MAN TA 4 DIA T1F CL RIM = 778.67 INV = 771.41 (15" E) INV = 771.31 (15" NW)</p> <p>63 STA 19+14.0, 26.0' RT MAN TA 4 DIA T1F CL RIM = 780.91 INV = 773.99 (15" E) INV = 775.16 (12" NE) INV = 773.89 (15" W)</p> | <p>64 STA 19+20.0, 20.5' RT CB TA 4 DIA T11V F&amp;G RIM = 780.50 INV = 775.84 (12" N) INV = 775.24 (12" SW)</p> <p>65 STA 19+20.0, 20.5' LT CB TA 4 DIA T11V F&amp;G RIM = 780.50 INV = 776.22 (12" S)</p> |
|---|--|--|---|



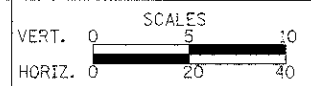
15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00	19+50	20+00
773.82 773.69	774.58 774.54	775.35 775.39	775.94 776.24	776.62 777.09	777.32 777.94	777.97 778.80	778.79 779.65	779.80 780.54	781.02 781.49	782.45 782.48



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DATE - 12/17/2012	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



DRAINAGE AND UTILITIES

SHEET NO. 4 OF 15 SHEETS STA. 15+00 TO STA. 20+00

F.A.L. RTE. 0187	SECTION 05-00121-07-WR	COUNTY LAKE	TOTAL SHEETS 223	SHEET NO. 94
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

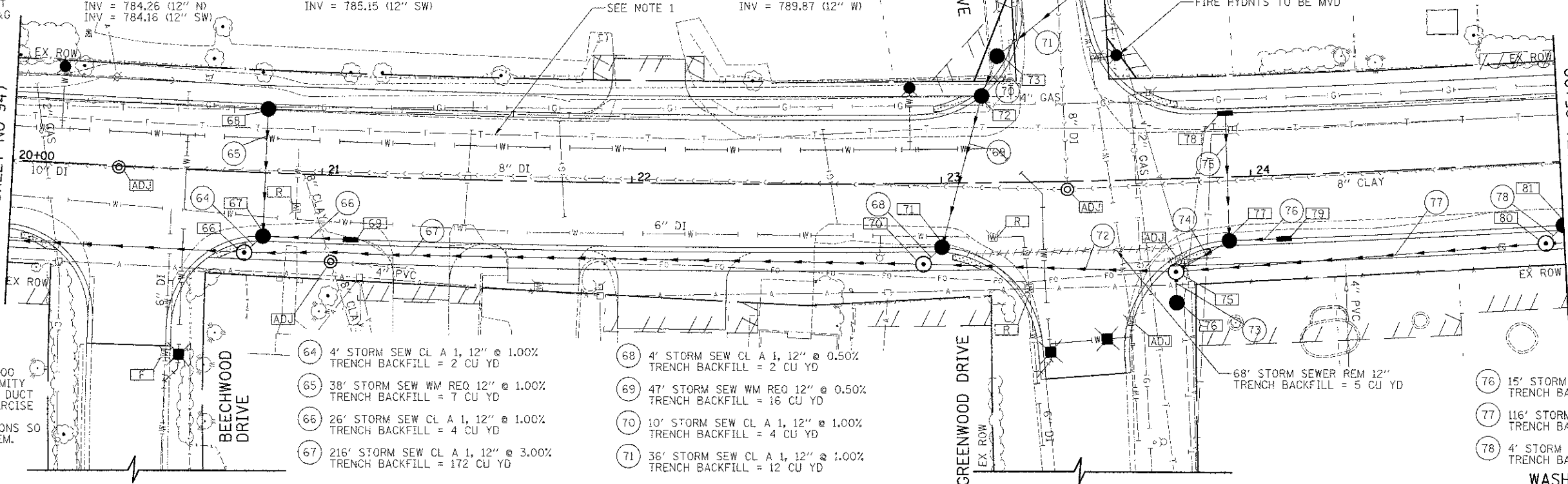
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BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

- 66 STA 20+76.0, 26.0' RT  
MAN TA 4 DIA TIF CL  
RIM = 784.10  
INV = 776.48 (12" E)  
INV = 778.38 (12" NE)  
INV = 776.38 (15" W)
- 67 STA 20+81.8, 20.5' RT  
CB TA 4 DIA T11V F&G  
RIM = 783.70  
INV = 780.04 (12" E)  
INV = 778.78 (12" N)  
INV = 778.42 (12" SW)
- 68 STA 20+81.8, 20.5' LT  
CB TA 4 DIA T11V F&G  
RIM = 783.70  
INV = 779.16 (12" S)
- 69 STA 21+10.0, 20.5' RT  
INLETS TA T11V F&G  
RIM = 784.30  
INV = 780.30 (12" W)
- 70 STA 22+94.0, 26.0' RT  
MAN TA 4 DIA TIF CL  
RIM = 790.28  
INV = 783.06 (12" E)  
INV = 784.14 (12" NE)  
INV = 782.96 (12" W)
- 71 STA 23+00.0, 20.6' RT  
CB TA 4 DIA T11V F&G  
RIM = 789.97  
INV = 784.26 (12" N)  
INV = 784.16 (12" SW)
- 72 STA 23+13.4, 28.0' LT  
CB TA 4 DIA T11V F&G  
RIM = 790.25  
INV = 784.59 (12" N)  
INV = 784.49 (12" S)
- 73 STA 23+18.59, 40.7' LT  
CB TA 4 DIA T8G  
RIM = 790.30  
INV = 784.79 (12" NE)  
INV = 784.69 (12" S)
- 74 STA 23+47.9, 63.2' LT  
CB TC T8G  
RIM = 791.26  
INV = 785.15 (12" SW)
- 75 STA 23+75.0, 30.0' RT  
MAN TA 4 DIA TIF CL  
RIM = 793.98  
INV = 785.50 (12" E)  
INV = 787.40 (12" NE)  
INV = 787.40 (12" S)  
INV = 785.40 (12" W)
- 76 STA 23+75.0, 40.0' RT  
CB TC T8G  
RIM = 796.09  
INV = 787.46 (12" N)
- 77 STA 23+92.4, 20.5' RT  
CB TA 4 DIA T11V F&G  
RIM = 793.24  
INV = 789.57 (12" E)  
INV = 788.86 (12" N)  
INV = 787.72 (12" SE)
- 78 STA 23+92.4, 20.5' LT  
INLETS TA T11V F&G  
RIM = 793.24  
INV = 789.24 (12" S)
- 79 STA 24+10.0, 20.5' RT  
INLETS TA T11V F&G  
RIM = 793.87  
INV = 789.87 (12" W)
- 80 STA 24+94.0, 26.0' RT  
MAN TA 4 DIA TIF CL  
RIM = 797.36  
INV = 790.98 (12" NE)  
INV = 790.98 (12" E)  
INV = 788.98 (12" W)
- 81 STA 25+00.0, 20.5' RT  
CB TA 4 DIA T11V F&G  
RIM = 797.05  
INV = 791.02 (12" SW)
- 72 78' STORM SEW WM REQ 12" @ 3.00%  
TRENCH BACKFILL = 67 CU YD
- 73 6' STORM SEW CL A 1, 12" @ 1.00%
- 74 16' STORM SEW CL A 1, 12" @ 2.00%  
TRENCH BACKFILL = 6 CU YD
- 75 38' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 7 CU YD

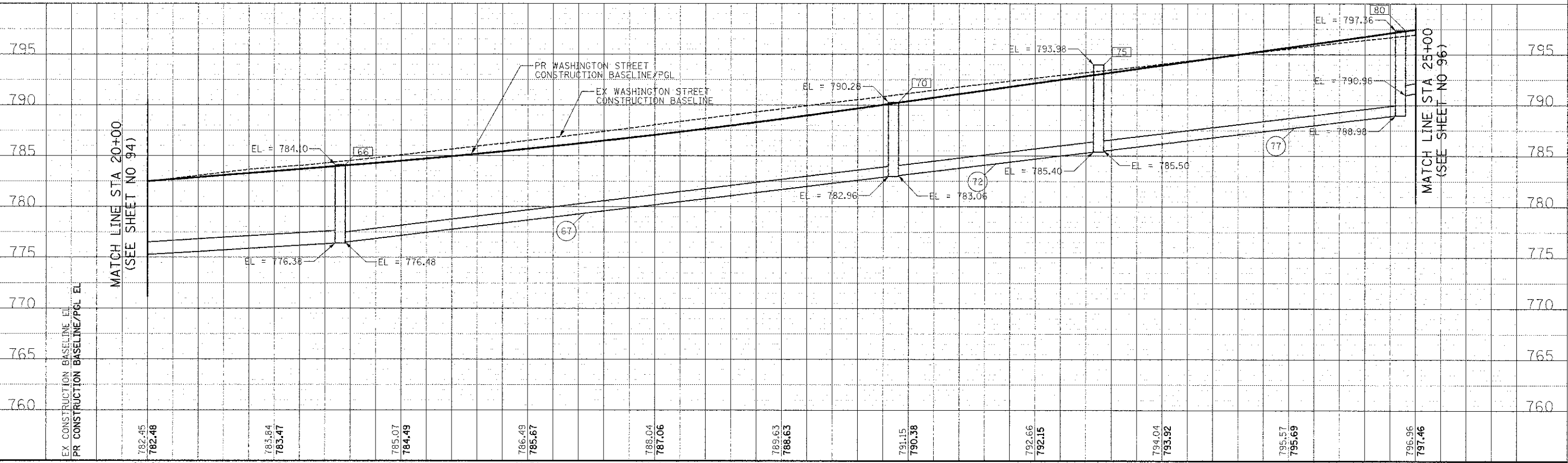
MATCH LINE STA 20+00  
(SEE SHEET NO 94)

MATCH LINE STA 25+00  
(SEE SHEET NO 96)



NOTE:  
1. STA 21+00 TO STA 23+00  
BECAUSE OF THE PROXIMITY  
OF THE EXISTING AT&T DUCT  
CONTRACTOR SHALL EXERCISE  
CARE DURING HIS  
CONSTRUCTION OPERATIONS SO  
AS NOT TO DAMAGE THEM.

- 64 4' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 2 CU YD
- 65 38' STORM SEW WM REQ 12" @ 1.00%  
TRENCH BACKFILL = 7 CU YD
- 66 26' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 4 CU YD
- 67 216' STORM SEW CL A 1, 12" @ 3.00%  
TRENCH BACKFILL = 172 CU YD
- 68 4' STORM SEW CL A 1, 12" @ 0.50%  
TRENCH BACKFILL = 2 CU YD
- 69 47' STORM SEW WM REQ 12" @ 0.50%  
TRENCH BACKFILL = 16 CU YD
- 70 10' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 4 CU YD
- 71 36' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 12 CU YD
- 72 15' STORM SEW CL A 1, 12" @ 2.00%  
TRENCH BACKFILL = 2 CU YD
- 73 116' STORM SEW CL A 1, 12" @ 3.00%  
TRENCH BACKFILL = 111 CU YD
- 74 4' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 2 CU YD
- 75 68' STORM SEWER REM 12" @ 1.00%  
TRENCH BACKFILL = 5 CU YD



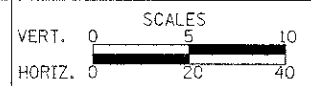
EX CONSTRUCTION BASELINE EL	782.45	783.84	785.07	786.49	788.04	789.63	791.15	792.66	794.04	796.57	797.96	
PR CONSTRUCTION BASELINE/PGL EL	782.48	783.47	784.49	785.67	787.06	788.63	790.38	792.15	793.92	795.69	797.46	
	20+00	20+50	21+00	21+50	22+00	22+50	23+00	23+50	24+00	24+50	25+00	



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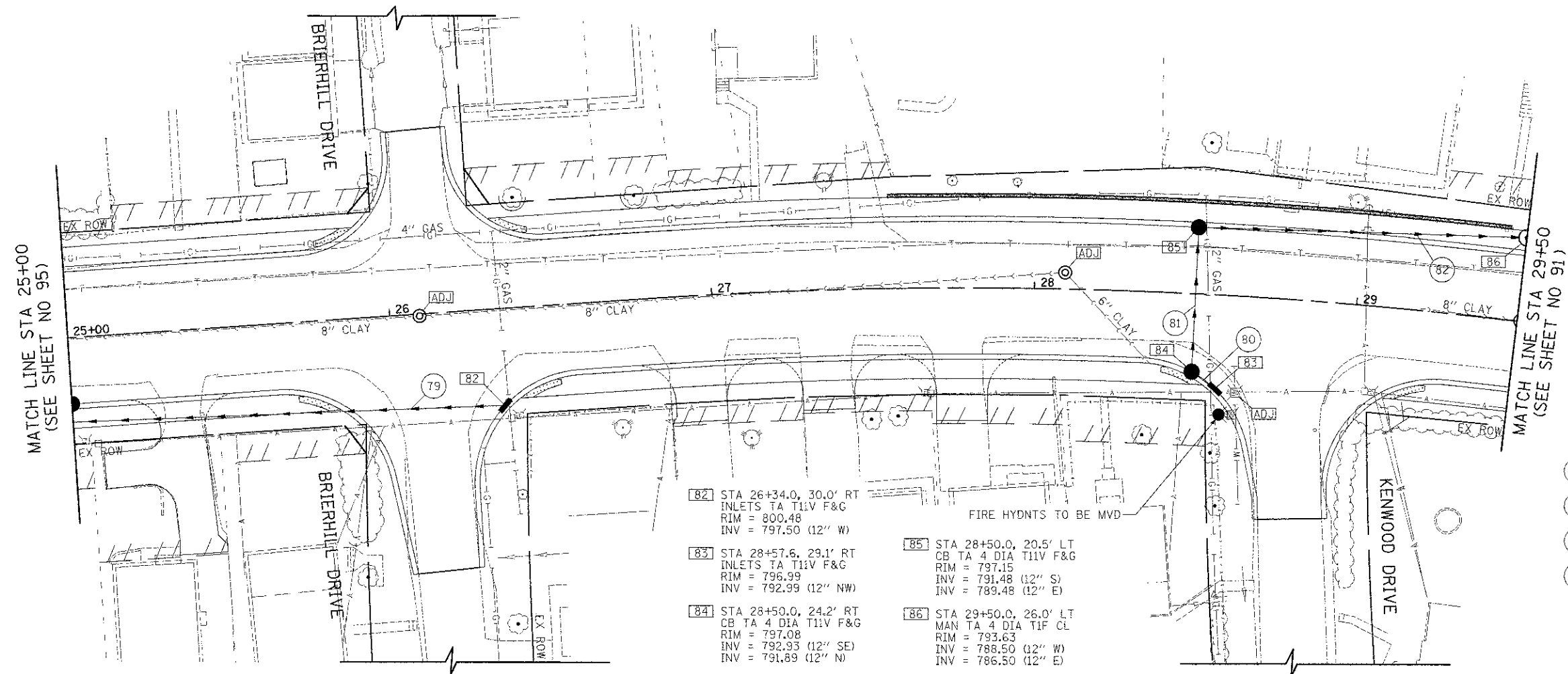
DRAINAGE AND UTILITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	95
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	

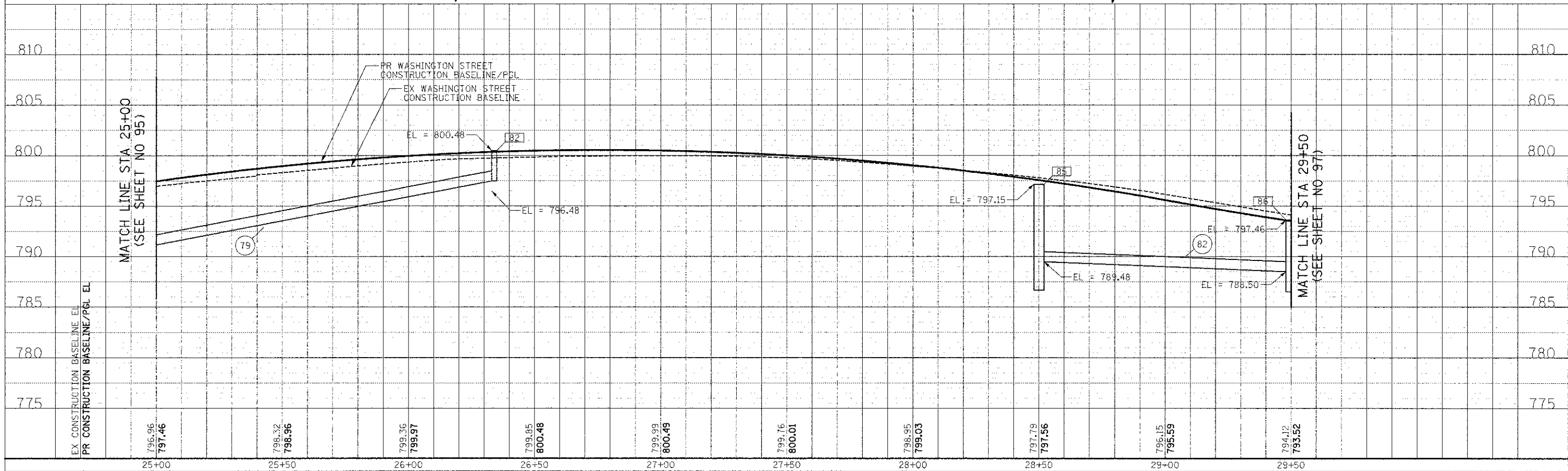
SHEET NO. 5 OF 15 SHEETS STA. 20+00 TO STA. 25+00

BY	DATE
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AREAS CHECKED	

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NOTE BOOK	
AREAS CHECKED	



- 79 137' STORM SEW CL A 1, 12" @ 4.76%  
TRENCH BACKFILL = 30 CU YD
- 80 6' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 1 CU YD
- 81 41' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 13 CU YD
- 82 98' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 50 CU YD





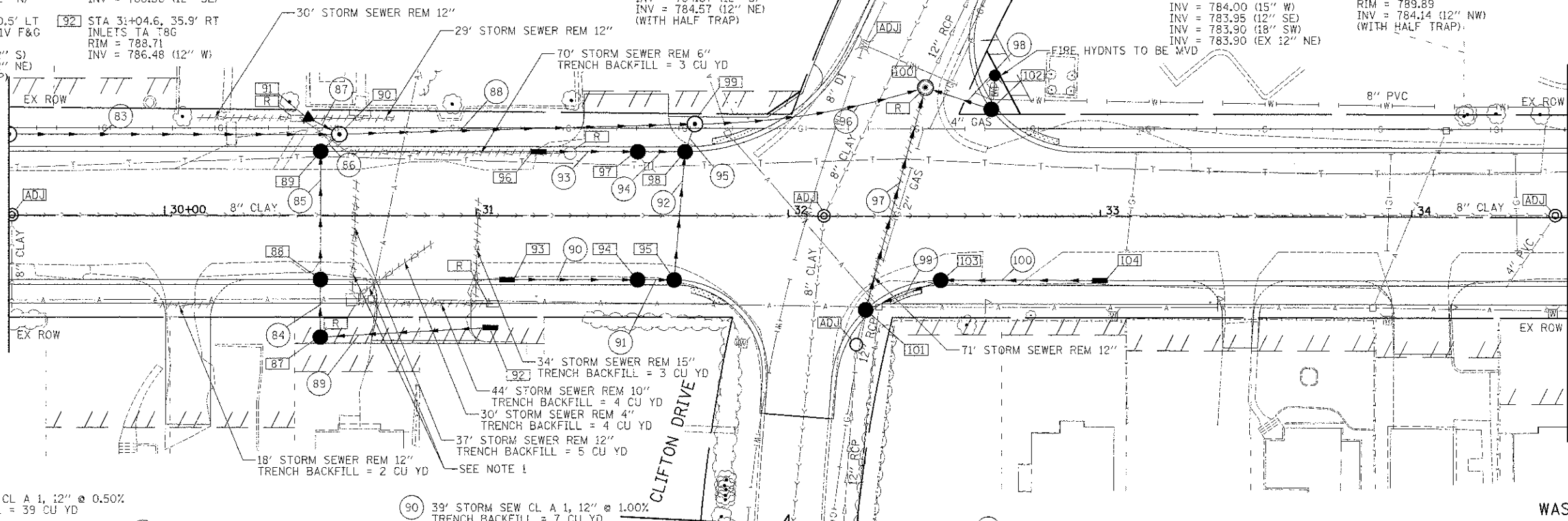
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FLYING SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
FLYING SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

- [87] STA 30+50.0, 39.0' RT  
CB TA 4 DIA T8G  
RIM = 788.33  
INV = 786.22 (12" E)  
INV = 786.12 (12" N)
- [88] STA 30+50.0, 20.5' RT  
CB TA 4 DIA T11V F&G  
RIM = 790.33  
INV = 785.97 (12" S)  
INV = 785.87 (12" N)
- [89] STA 30+50.0, 20.5' LT  
CB TA 4 DIA T11V F&G  
RIM = 790.33  
INV = 785.61 (12" S)  
INV = 785.15 (12" NE)  
(WITH HALF TRAP)
- [90] STA 30+56.0, 26.0' LT  
MAN TA 4 DIA T1F CL  
RIM = 790.74  
INV = 788.03 (12" NW)  
INV = 785.11 (12" SW)  
INV = 785.01 (15" E)
- [91] STA 30+45.0, 31.9' LT  
PRC FLAR END SEC 12  
RIM = 788.71  
INV = 788.36 (12" SE)
- [92] STA 31+04.6, 35.9' RT  
INLETS TA T8G  
RIM = 788.71  
INV = 786.48 (12" W)
- [93] STA 31+10.0, 20.5' RT  
INLETS TA T11V F&G  
RIM = 789.54  
INV = 785.54 (12" E)
- [94] STA 31+51.7, 20.5' RT  
CB TA 4 DIA T11V F&G  
RIM = 789.38  
INV = 784.96 (12" W)  
INV = 784.86 (12" N)
- [95] STA 31+63.4, 20.5' RT  
CB TA 4 DIA T11V F&G  
RIM = 789.39  
INV = 784.96 (12" W)  
INV = 784.86 (12" N)
- [96] STA 31+20.0, 20.5' LT  
INLETS TA T11V F&G  
RIM = 789.47  
INV = 785.05 (12" E)
- [97] STA 31+51.7, 20.5' LT  
CB TA 4 DIA T11V F&G  
RIM = 789.38  
INV = 785.18 (12" W)  
INV = 785.08 (12" E)
- [98] STA 31+66.8, 20.5' LT  
CB TA 4 DIA T11V F&G  
RIM = 789.40  
INV = 784.95 (12" W)  
INV = 784.67 (12" S)  
INV = 784.57 (12" NE)  
(WITH HALF TRAP)
- [99] STA 31+70.0, 29.4' LT  
MAN TA 4 DIA T1F CL  
RIM = 790.62  
INV = 784.45 (12" S)  
INV = 784.45 (15" W)  
INV = 784.35 (15" E)
- [100] STA 32+43.9, 41.2' LT  
MAN TA 4 DIA T1F CL  
RIM = 789.67  
INV = 784.00 (15" W)  
INV = 783.95 (12" SE)  
INV = 783.90 (18" SW)  
INV = 783.90 (EX 12" NE)
- [101] STA 32+21.9, 41.2' RT  
CB TA 4 DIA T11V F&G  
RIM = 789.54  
INV = 784.62 (EX 12" SW)  
INV = 784.62 (12" E)  
INV = 784.60 (18" NE)  
(WITH HALF TRAP)
- [102] STA 32+65.0, 34.3' LT  
CB TA 4 DIA T11V F&G  
RIM = 789.89  
INV = 784.14 (12" NW)  
(WITH HALF TRAP)
- [103] STA 32+48.9, 20.5' RT  
CB TA 4 DIA T11V F&G  
RIM = 790.12  
INV = 786.10 (12" E)  
INV = 784.84 (12" W)
- [104] STA 33+00.0, 20.5' RT  
INLETS TA T11V F&G  
RIM = 790.58  
INV = 786.58 (12" W)

MATCH LINE STA 29+50  
(SEE SHEET NO 96)

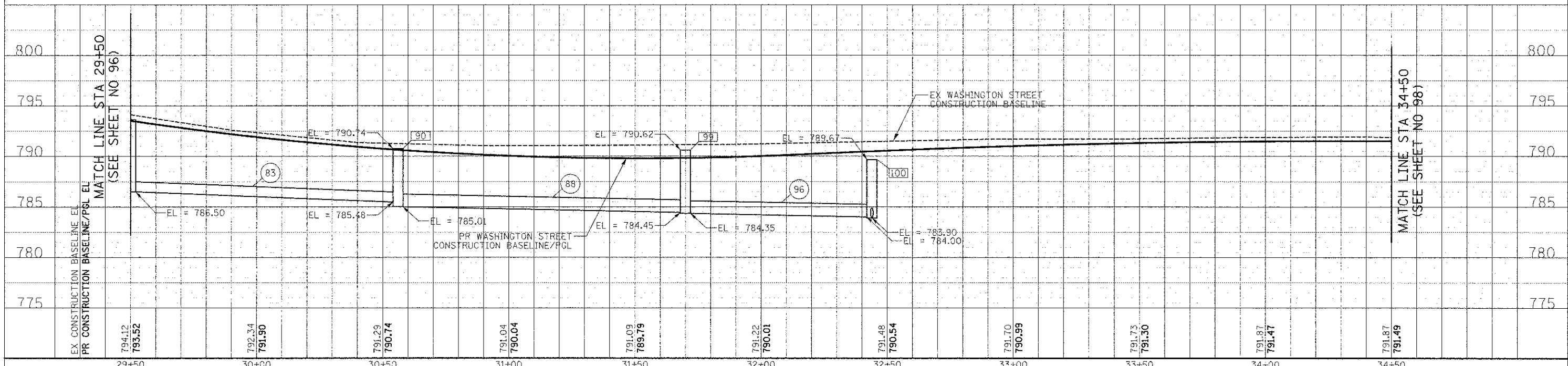
MATCH LINE STA 34+50  
(SEE SHEET NO 98)



- [83] 102' STORM SEW CL A 1, 12" @ 0.50%  
TRENCH BACKFILL = 39 CU YD
- [84] 15' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 1 CU YD
- [85] 37' STORM SEW CL A 1, 12" @ 0.70%  
TRENCH BACKFILL = 8 CU YD
- [86] 4' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 2 CU YD
- [87] 5' STORM SEW CL A 1, 12" @ 3.00%  
TRENCH BACKFILL = 1 CU YD
- [88] 111' STORM SEW CL A 1, 15" @ 0.50%  
TRENCH BACKFILL = 40 CU YD
- [89] 52' STORM SEW CL A 1, 12" @ 0.50%  
TRENCH BACKFILL = 1 CU YD
- [90] 39' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 7 CU YD
- [91] 9' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 2 CU YD
- [92] 38' STORM SEW CL A 1, 12" @ 0.50%  
TRENCH BACKFILL = 9 CU YD
- [93] 29' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 5 CU YD
- [94] 13' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 3 CU YD
- [95] 6' STORM SEW CL A 1, 12" @ 2.00%  
TRENCH BACKFILL = 2 CU YD
- [96] 71' STORM SEW CL A 1, 15" @ 0.50%  
TRENCH BACKFILL = 25 CU YD
- [97] 70' STORM SEW CL A 1, 18" @ 1.00%  
TRENCH BACKFILL = 21 CU YD
- [98] 19' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 7 CU YD
- [99] 22' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 6 CU YD
- [100] 48' STORM SEW CL A 1, 12" @ 1.00%  
TRENCH BACKFILL = 7 CU YD

**NOTE:**

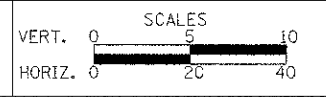
- CONTRACTOR TO CONFIRM PIPE SOURCE AND DESTINATION. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR THIS WORK.
- BETWEEN STATION 31+50 AND 39+50 CONTRACTOR SHALL COORDINATE WITH AT&T THE LOCATION OF THEIR PROPOSED FIBER OPTICS DUCT AND ABANDON IN PLACE OR REMOVAL OF THE EXISTING DUCT. IF THE DUCT IS TO BE REMOVED THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.



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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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

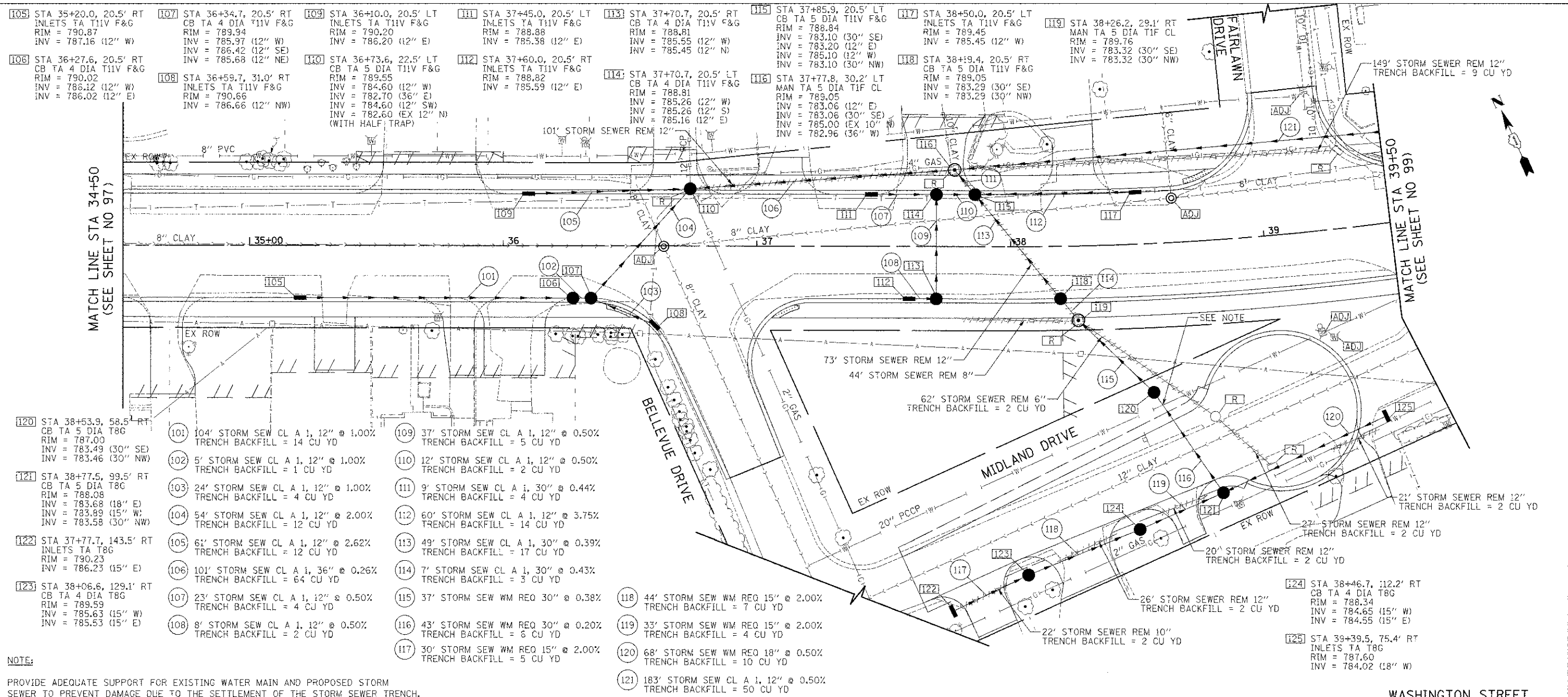


**DRAINAGE AND UTILITIES**

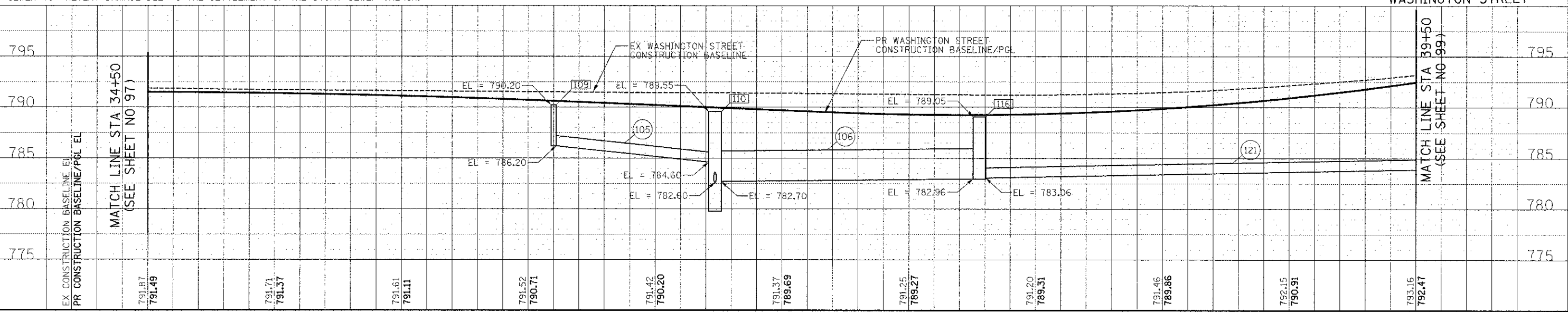
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	97
SHEET NO. 7 OF 15 SHEETS			CONTRACT NO. 63765	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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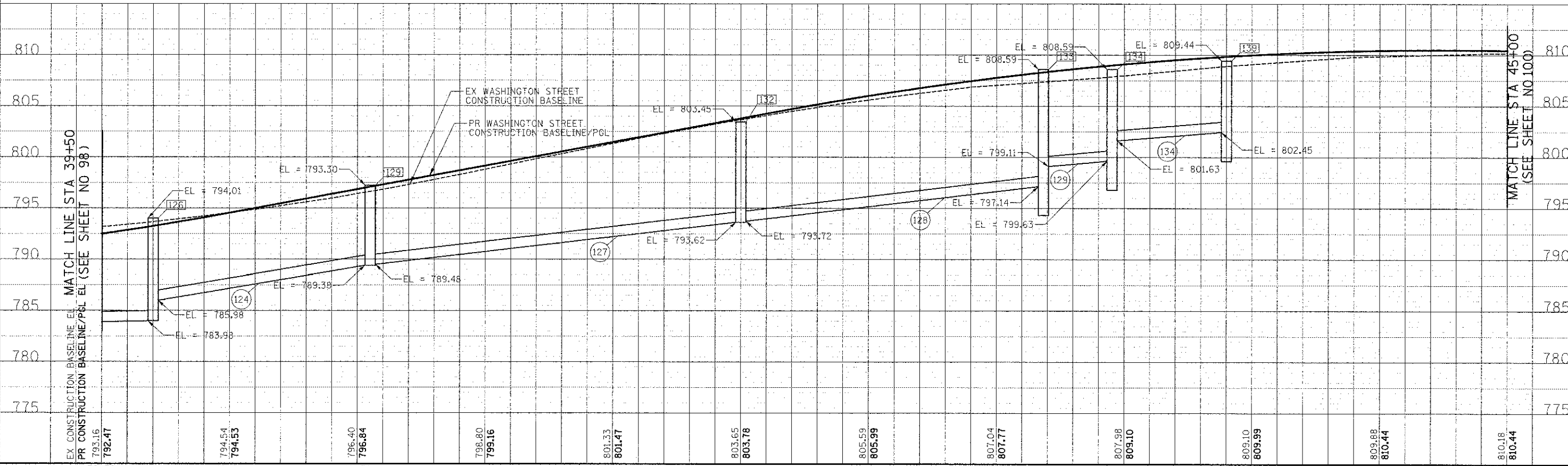
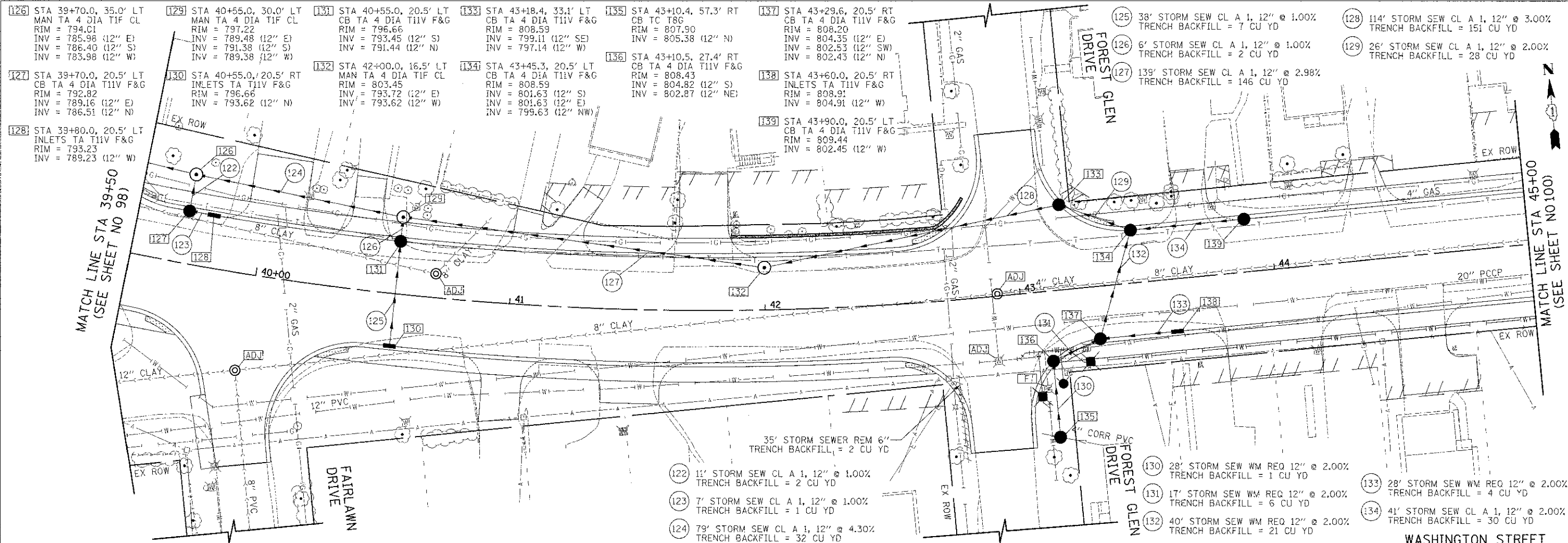
**NOTE:**  
 PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN AND PROPOSED STORM SEWER TO PREVENT DAMAGE DUE TO THE SETTLEMENT OF THE STORM SEWER TRENCH.



450 E Devon Ave, Suite 300 Itasca, Illinois 60143 Tel: 630.773.3900 Fax: 630.773.3975 www.civiltechinc.com	DESIGNED - PK DRAWN - JRR CHECKED - RTM DATE - 12/17/2012	REVISED - 4/10/2013 REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	VERT. 0 5 10 HORIZ. 0 20 40	<b>DRAINAGE AND UTILITIES</b>	F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO. 0187 05-00121-07-WR LAKE 223 98	CONTRACT NO. 63765 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
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39+50	40+00	40+50	41+00	41+50	42+00	42+50	43+00	43+50	44+00	44+50	45+00												
793.16	792.47	794.54	794.53	796.40	796.84	798.80	799.16	801.33	801.47	803.65	803.78	805.59	805.99	807.04	807.77	807.98	809.10	809.10	809.99	809.88	810.44	810.18	810.44

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

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**DRAINAGE AND UTILITIES**

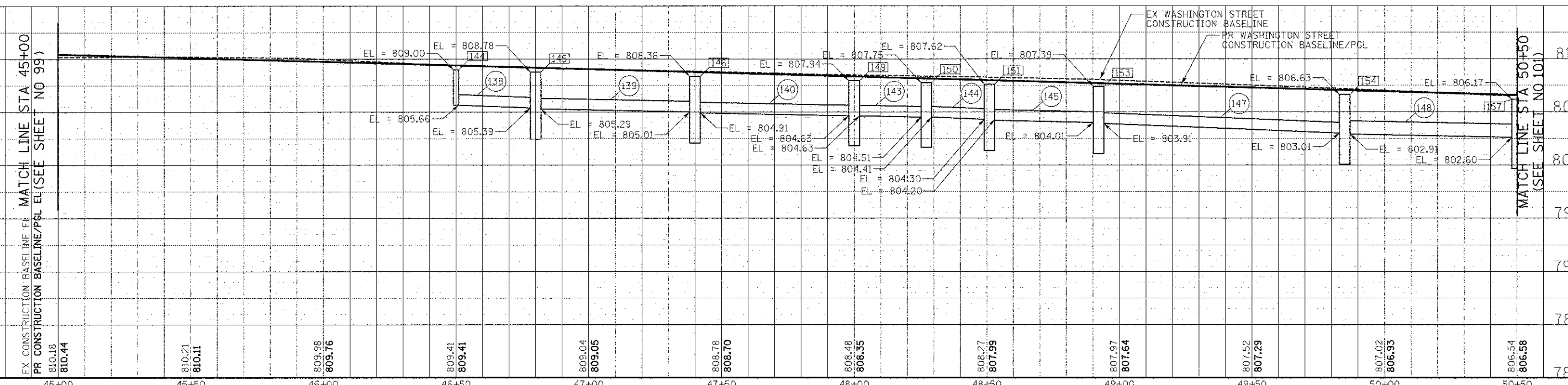
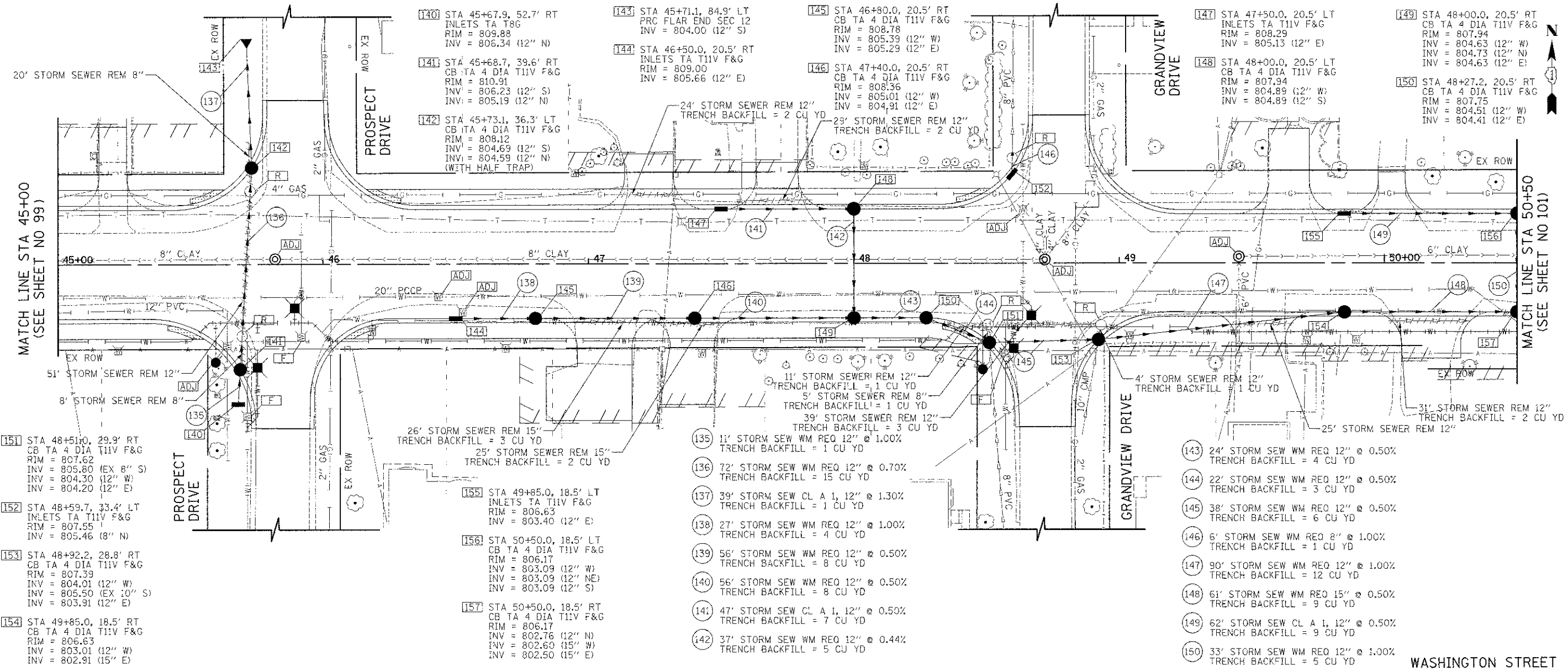
SHEET NO. 9 OF 15 SHEETS STA. 39+50 TO STA. 45+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	99
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	



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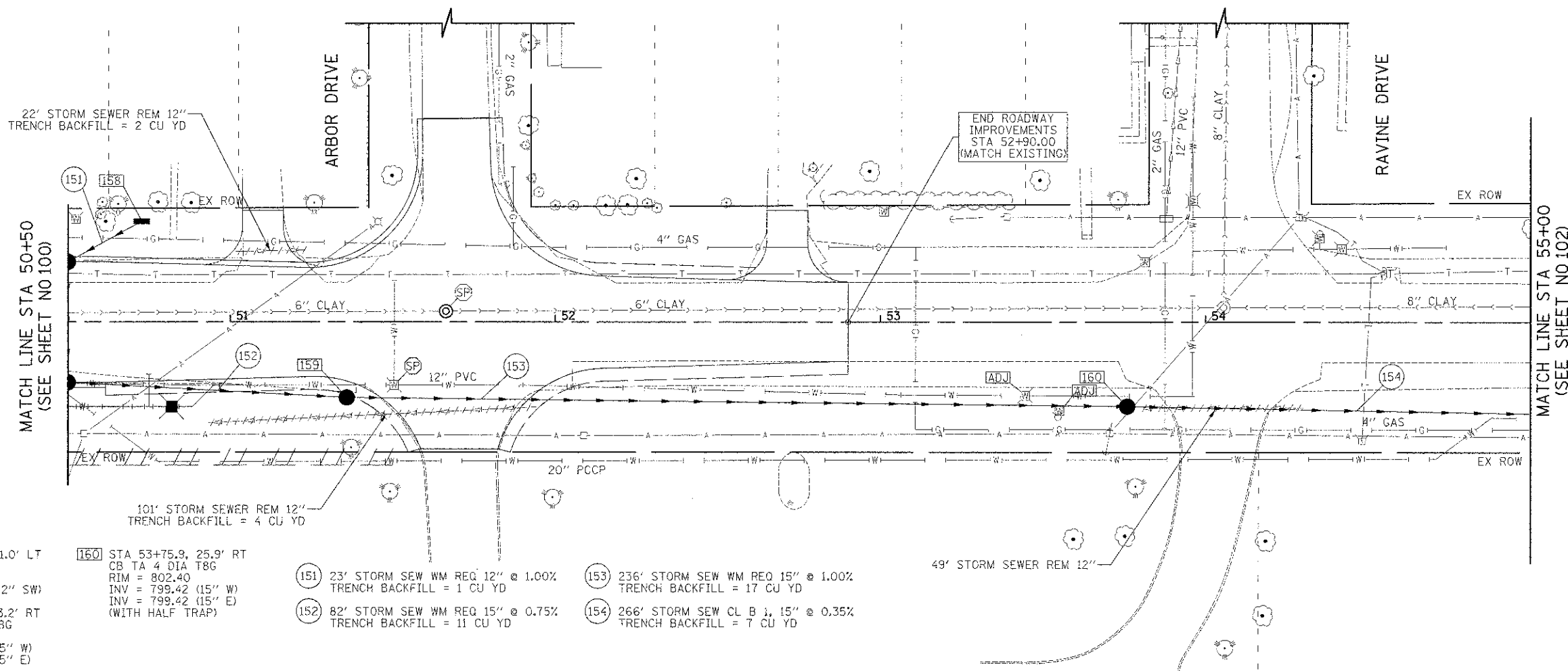


DESIGNED - PK	REVISED - 4/10/2013	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	VERT. 0 5 10 HORIZ. 0 20 40	<b>DRAINAGE AND UTILITIES</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - JRR	REVISED -				0187	05-00121-07-WR	LAKE	223	100
CHECKED - RTM	REVISED -				CONTRACT NO. 63765				
DATE - 12/17/2012	REVISED -				FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

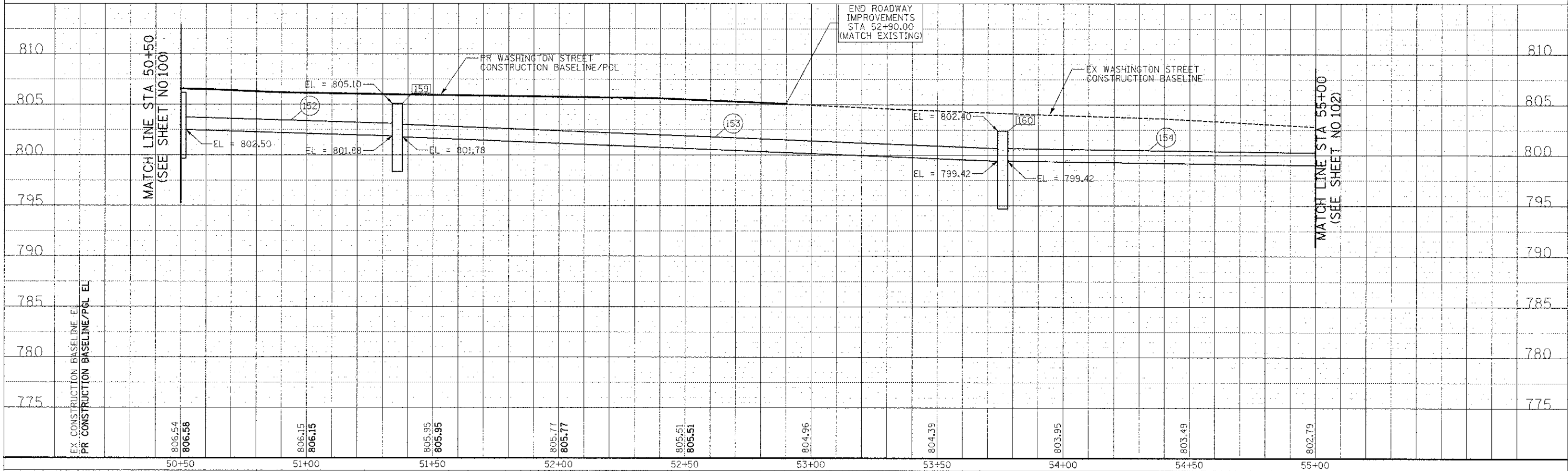


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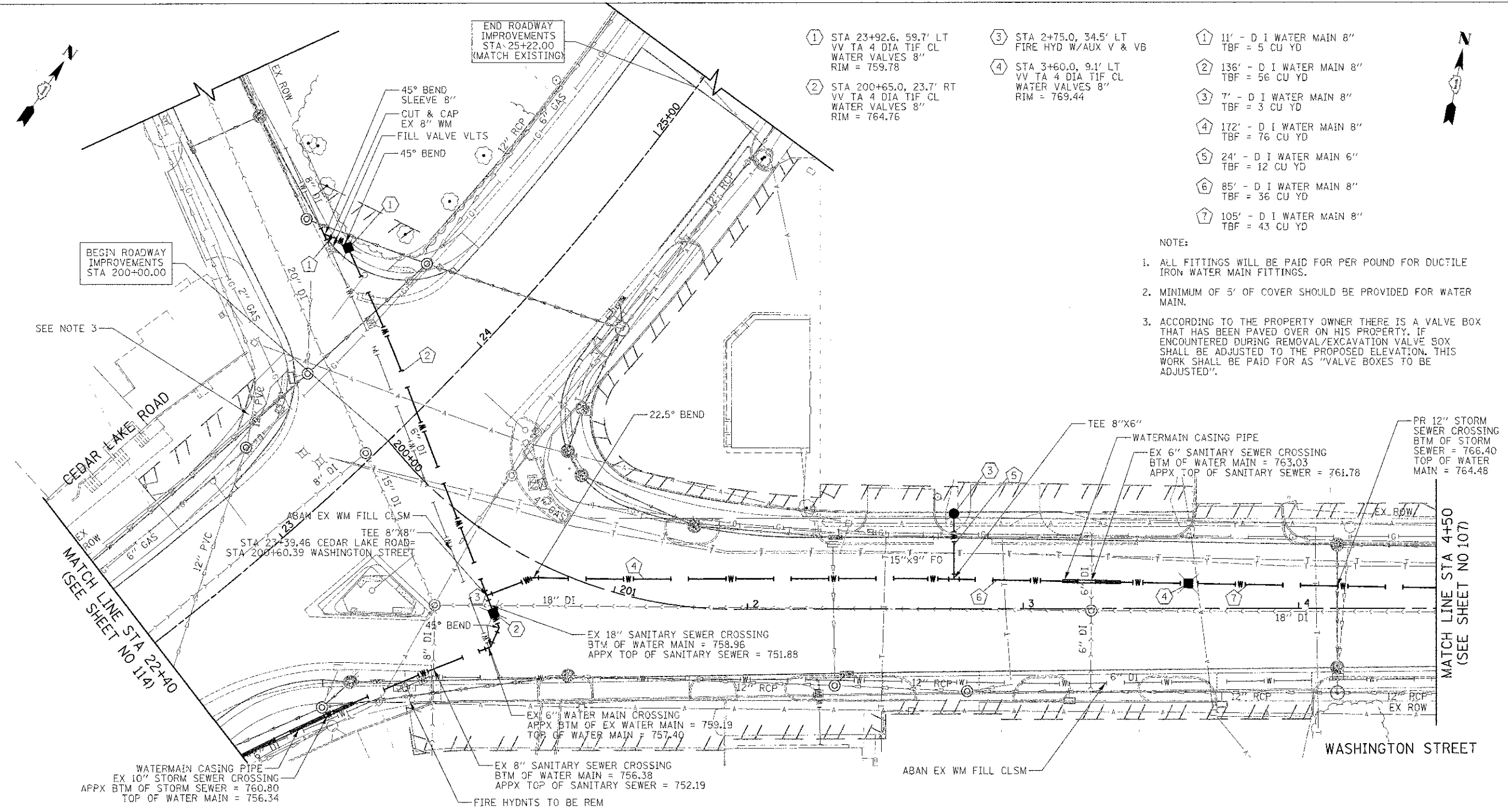


- 158 STA 50+72.7, 31.0' LT  
INLETS TA T8G  
RIM = 805.52  
INV = 803.32 (12" SW)
- 159 STA 51+35.8, 23.2' RT  
CB TA 4 DIA T8G  
RIM = 805.10  
INV = 801.88 (15" W)  
INV = 801.78 (15" E)
- 160 STA 53+75.9, 25.9' RT  
CB TA 4 DIA T8G  
RIM = 802.40  
INV = 799.42 (15" W)  
INV = 799.42 (15" E)  
(WITH HALF TRAP)
- 151 23' STORM SEW WM REQ 12" @ 1.00%  
TRENCH BACKFILL = 1 CU YD
- 152 82' STORM SEW WM REQ 15" @ 0.75%  
TRENCH BACKFILL = 11 CU YD
- 153 236' STORM SEW WM REQ 15" @ 1.00%  
TRENCH BACKFILL = 17 CU YD
- 154 266' STORM SEW CL B 1, 15" @ 0.35%  
TRENCH BACKFILL = 7 CU YD



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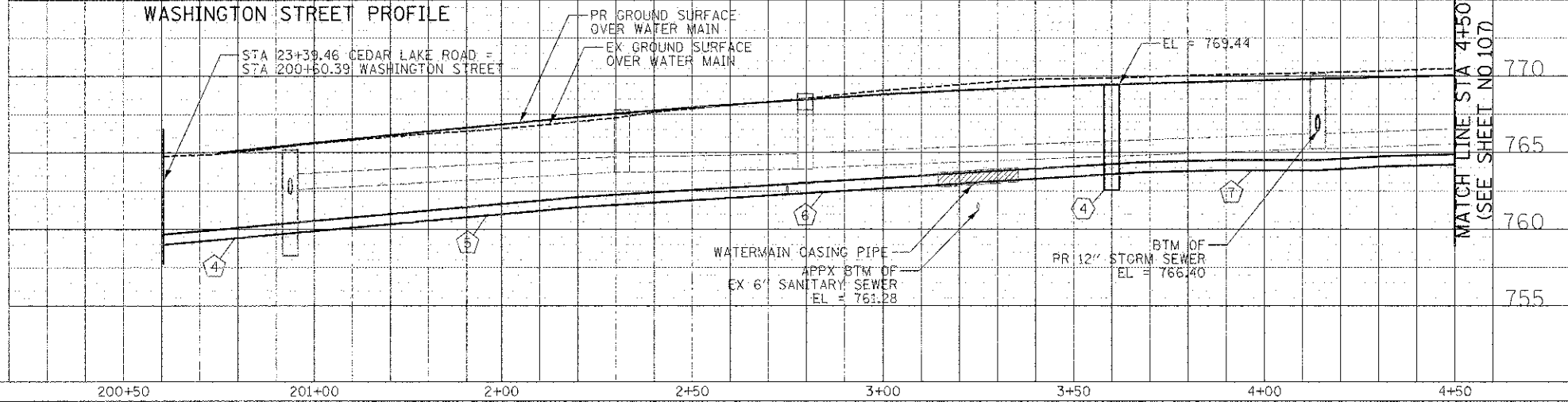
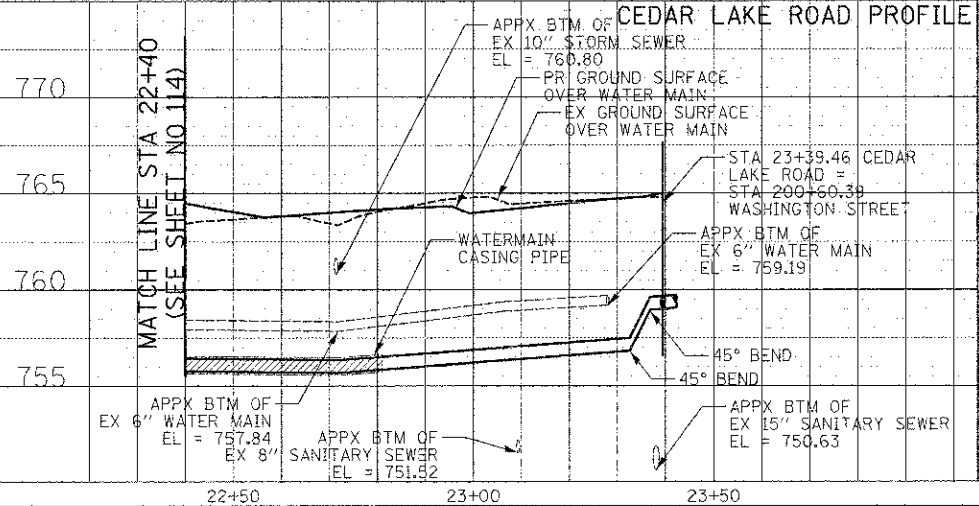
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- ① STA 23+92.6, 59.7' LT VV TA 4 DIA TIF CL WATER VALVES 8" RIM = 759.78
- ② STA 200+65.0, 23.7' RT VV TA 4 DIA TIF CL WATER VALVES 8" RIM = 764.76
- ③ STA 2+75.0, 34.5' LT FIRE HYD W/AUX V & VB
- ④ STA 3+60.0, 9.1' LT VV TA 4 DIA TIF CL WATER VALVES 8" RIM = 769.44
- ① 11' - D I WATER MAIN 8" TBF = 5 CU YD
- ② 136' - D I WATER MAIN 8" TBF = 56 CU YD
- ③ 7' - D I WATER MAIN 8" TBF = 3 CU YD
- ④ 172' - D I WATER MAIN 8" TBF = 76 CU YD
- ⑤ 24' - D I WATER MAIN 6" TBF = 12 CU YD
- ⑥ 85' - D I WATER MAIN 8" TBF = 36 CU YD
- ⑦ 105' - D I WATER MAIN 8" TBF = 43 CU YD

**NOTE:**

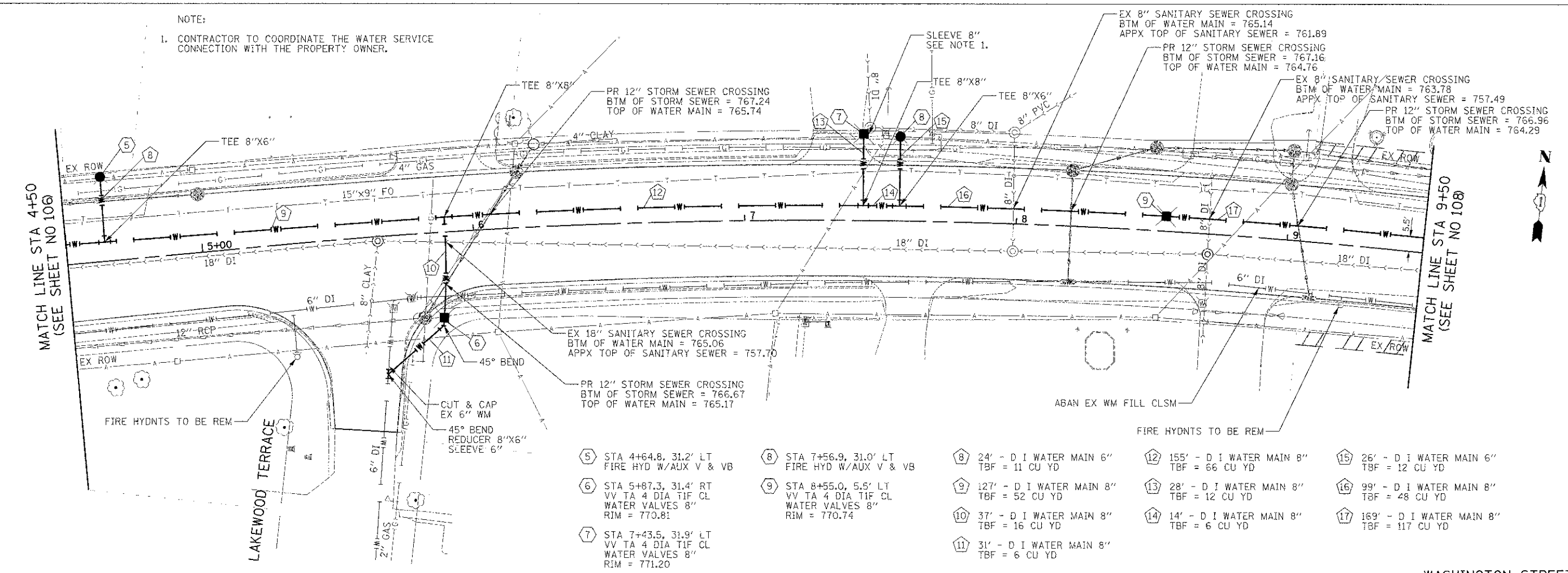
- ALL FITTINGS WILL BE PAID FOR PER POUND FOR DUCTILE IRON WATER MAIN FITTINGS.
- MINIMUM OF 5' OF COVER SHOULD BE PROVIDED FOR WATER MAIN.
- ACCORDING TO THE PROPERTY OWNER THERE IS A VALVE BOX THAT HAS BEEN PAVED OVER ON HIS PROPERTY. IF ENCOUNTERED DURING REMOVAL/EXCAVATION VALVE SOX SHALL BE ADJUSTED TO THE PROPOSED ELEVATION. THIS WORK SHALL BE PAID FOR AS "VALVE BOXES TO BE ADJUSTED".



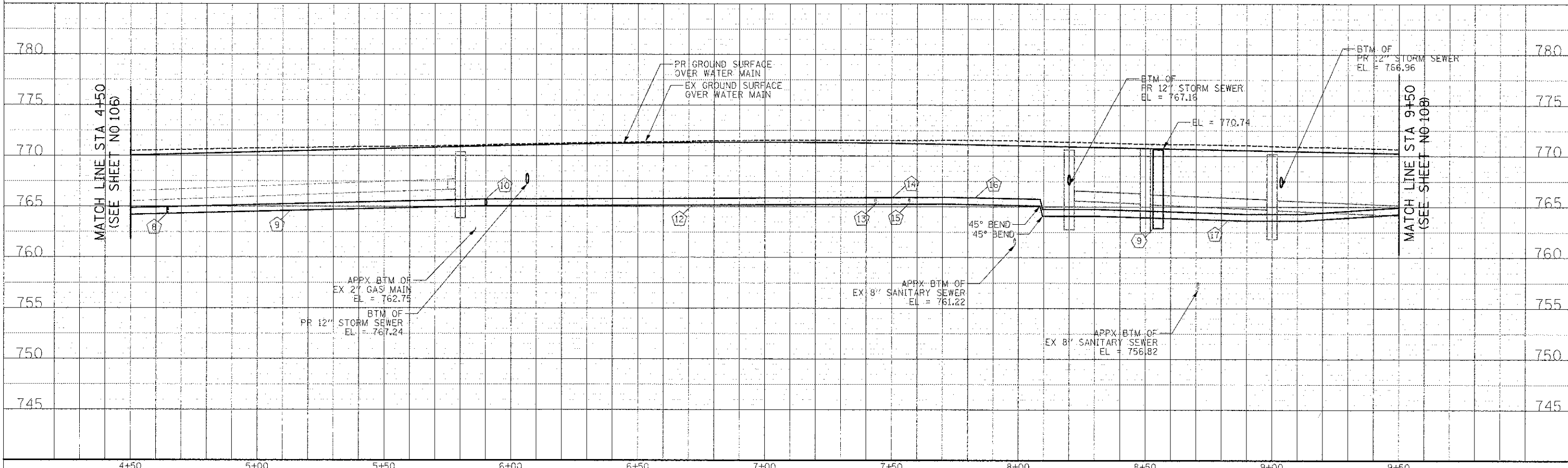
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NOTE:  
1. CONTRACTOR TO COORDINATE THE WATER SERVICE CONNECTION WITH THE PROPERTY OWNER.



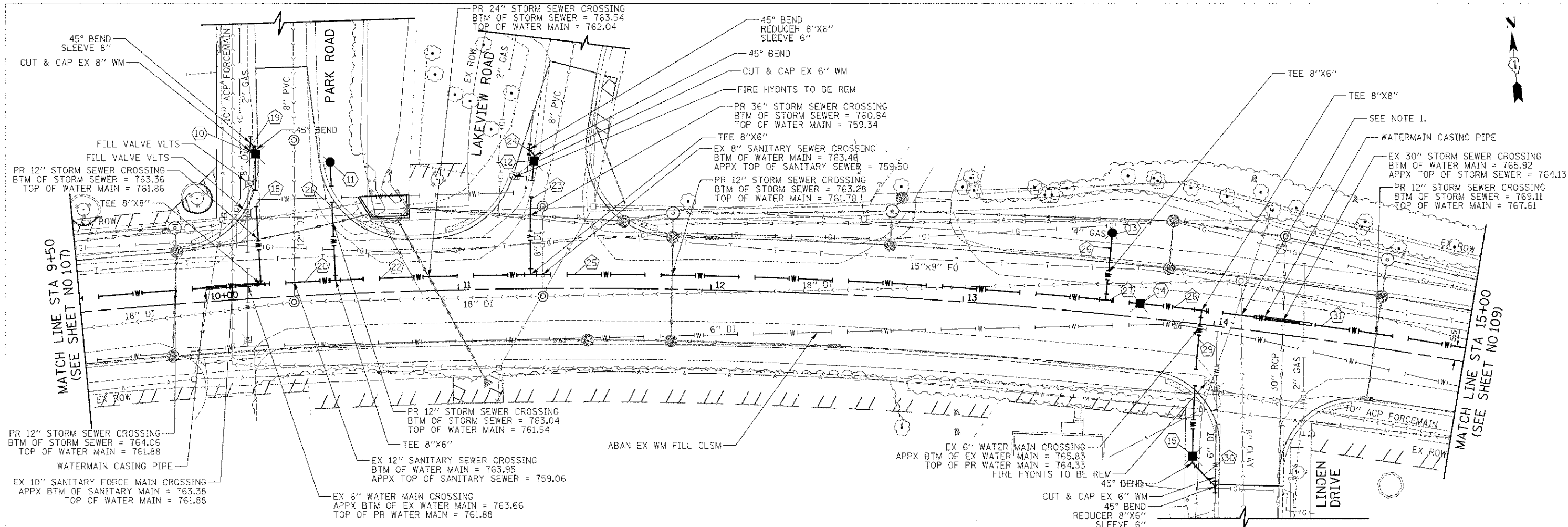
- 5 STA 4+64.8, 31.2' LT FIRE HYD W/AUX V & VB
- 6 STA 5+87.3, 31.4' RT VV TA 4 DIA TIF CL WATER VALVES 8" RIM = 770.81
- 7 STA 7+43.5, 31.9' LT VV TA 4 DIA TIF CL WATER VALVES 8" RIM = 771.20
- 8 STA 7+56.9, 31.0' LT FIRE HYD W/AUX V & VB
- 9 STA 8+55.0, 5.5' LT VV TA 4 DIA TIF CL WATER VALVES 8" RIM = 770.74
- 10 24' - D I WATER MAIN 6" TBF = 11 CU YD
- 11 127' - D I WATER MAIN 8" TBF = 52 CU YD
- 12 37' - D I WATER MAIN 8" TBF = 16 CU YD
- 13 31' - D I WATER MAIN 8" TBF = 6 CU YD
- 14 155' - D I WATER MAIN 8" TBF = 66 CU YD
- 15 28' - D I WATER MAIN 8" TBF = 12 CU YD
- 16 14' - D I WATER MAIN 8" TBF = 6 CU YD
- 17 26' - D I WATER MAIN 6" TBF = 12 CU YD
- 18 99' - D I WATER MAIN 8" TBF = 48 CU YD
- 19 169' - D I WATER MAIN 8" TBF = 117 CU YD





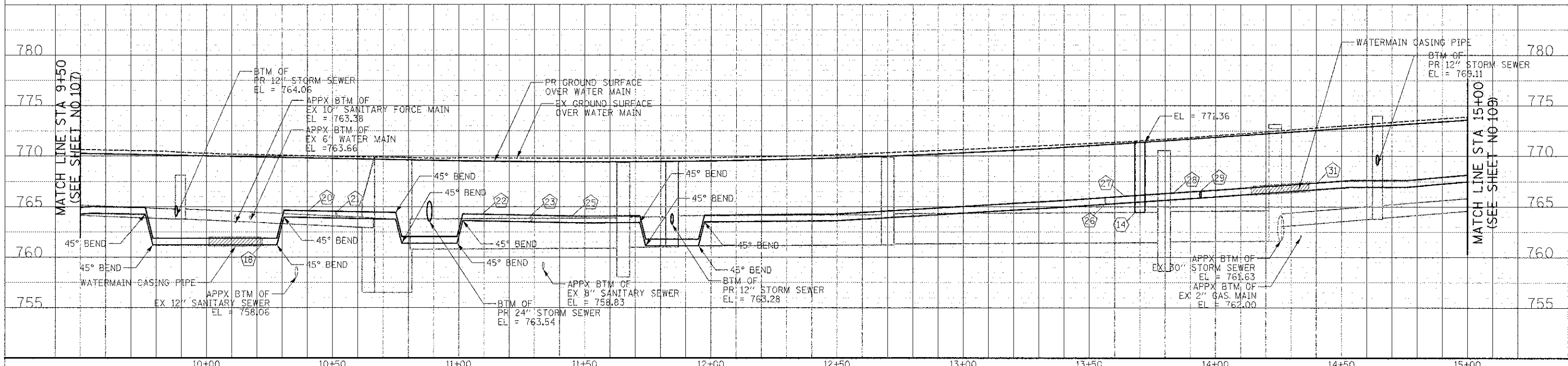
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- ⑩ STA 10+22.9, 57.0' LT VV TA 4 DIA TIF CL WATER VALVES 8" RIM = 768.10
- ⑪ STA 10+51.5, 52.3' LT FIRE HYD W/AUX V & VB
- ⑫ STA 11+30.4, 50.5' LT VV TA 4 DIA TIF CL WATER VALVES 8" RIM = 769.30
- ⑬ STA 13+56.4, 32.1' LT FIRE HYD W/AUX V & VB
- ⑭ STA 13+70.0, 5.5' LT VV TA 4 DIA TIF CL WATER VALVES 8" RIM = 771.36
- ⑮ STA 13+97.7, 52.3' RT VV TA 4 DIA TIF CL WATER VALVES 8" RIM = 769.61
- ⑯ 52' - D I WATER MAIN 8" TBF = 33 CU YD
- ⑰ 6' - D I WATER MAIN 8" TBF = 3 CU YD
- ⑱ 30' - D I WATER MAIN 8" TBF = 19 CU YD
- ⑲ 47' - D I WATER MAIN 6" TBF = 21 CU YD
- ⑳ 78' - D I WATER MAIN 8" TBF = 32 CU YD
- ㉑ 46' - D I WATER MAIN 8" TBF = 19 CU YD
- ㉒ 6' - D I WATER MAIN 8" TBF = 3 CU YD
- ㉓ 230' - D I WATER MAIN 8" TBF = 94 CU YD
- ㉔ 27' - D I WATER MAIN 6" TBF = 12 CU YD
- ㉕ 14' - D I WATER MAIN 8" TBF = 6 CU YD
- ㉖ 25' - D I WATER MAIN 8" TBF = 11 CU YD
- ㉗ 58' - D I WATER MAIN 8" TBF = 16 CU YD
- ㉘ 16' - D I WATER MAIN 8" TBF = 2 CU YD
- ㉙ 265' - D I WATER MAIN 8" TBF = 109 CU YD

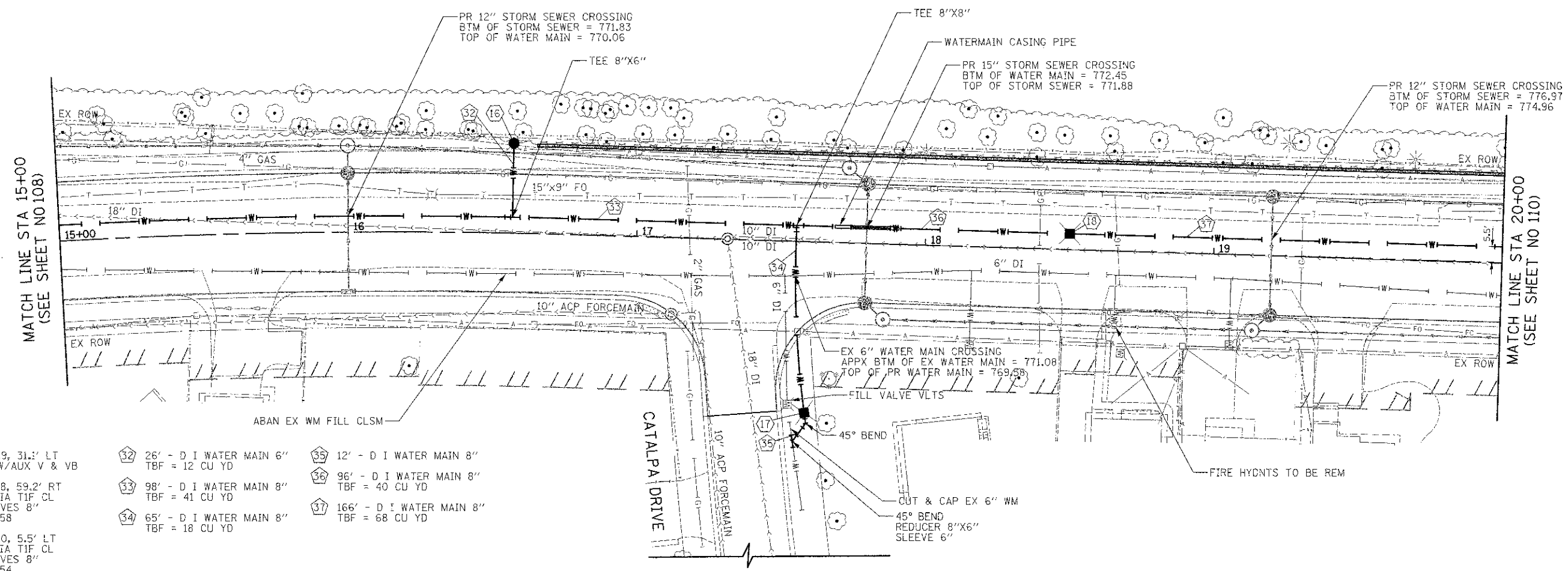
NOTE:  
 1. EXISTING BURIED SANITARY STRUCTURE SHOWN PER VILLAGE OF ROUND LAKE FIELD LOCATE. EXACT LOCATION, ELEVATIONS OR CONFLICTS ARE UNKNOWN. IF LOCATED DURING CONSTRUCTION, RIM ELEVATION SHOULD BE ADJUSTED TO THE PROPOSED PAVEMENT ELEVATION, WHICH SHALL BE PAID FOR AS MANHOLE TO BE RECONSTRUCTION.



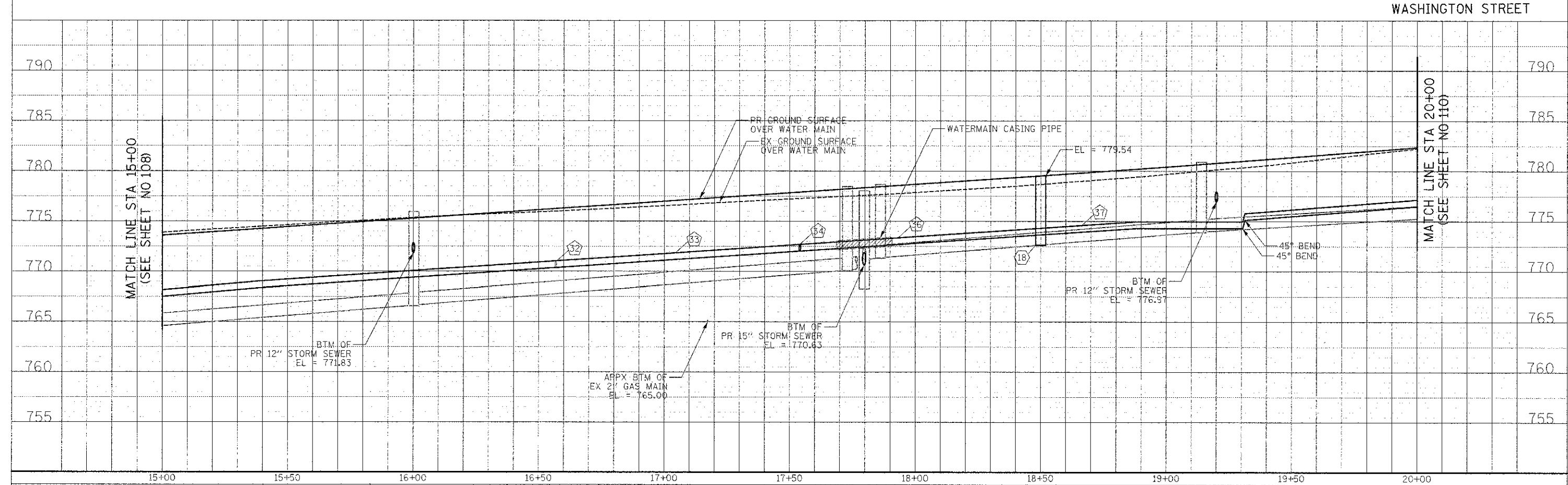


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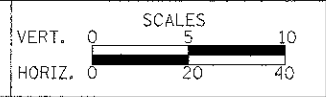
- 16 STA 16+56.9, 31.1' LT  
FIRE HYD W/AUX V & VB
- 17 STA 17+59.8, 59.2' RT  
VV TA 4 DIA TIF CL  
WATER VALVES 8"  
RIM = 773.58
- 18 STA 18+50.0, 5.5' LT  
VV TA 4 DIA TIF CL  
WATER VALVES 8"  
RIM = 779.54
- 32 26' - D I WATER MAIN 6"  
TBF = 12 CU YD
- 33 98' - D I WATER MAIN 8"  
TBF = 41 CU YD
- 34 65' - D I WATER MAIN 8"  
TBF = 18 CU YD
- 35 12' - D I WATER MAIN 8"  
TBF = 12 CU YD
- 36 96' - D I WATER MAIN 8"  
TBF = 40 CU YD
- 37 166' - D I WATER MAIN 8"  
TBF = 68 CU YD



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

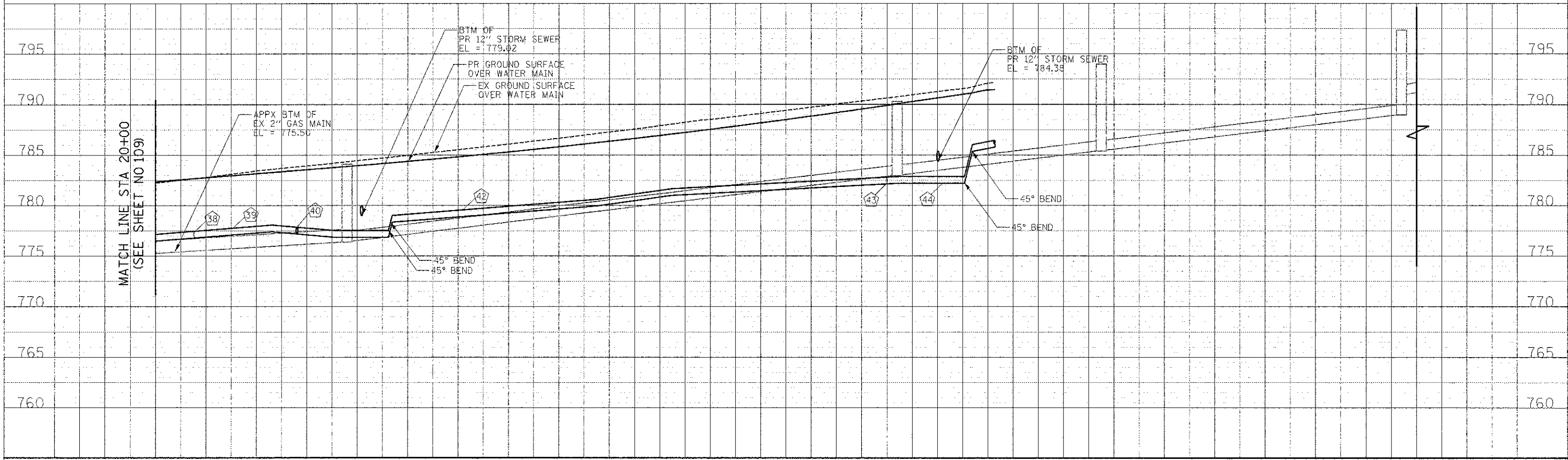
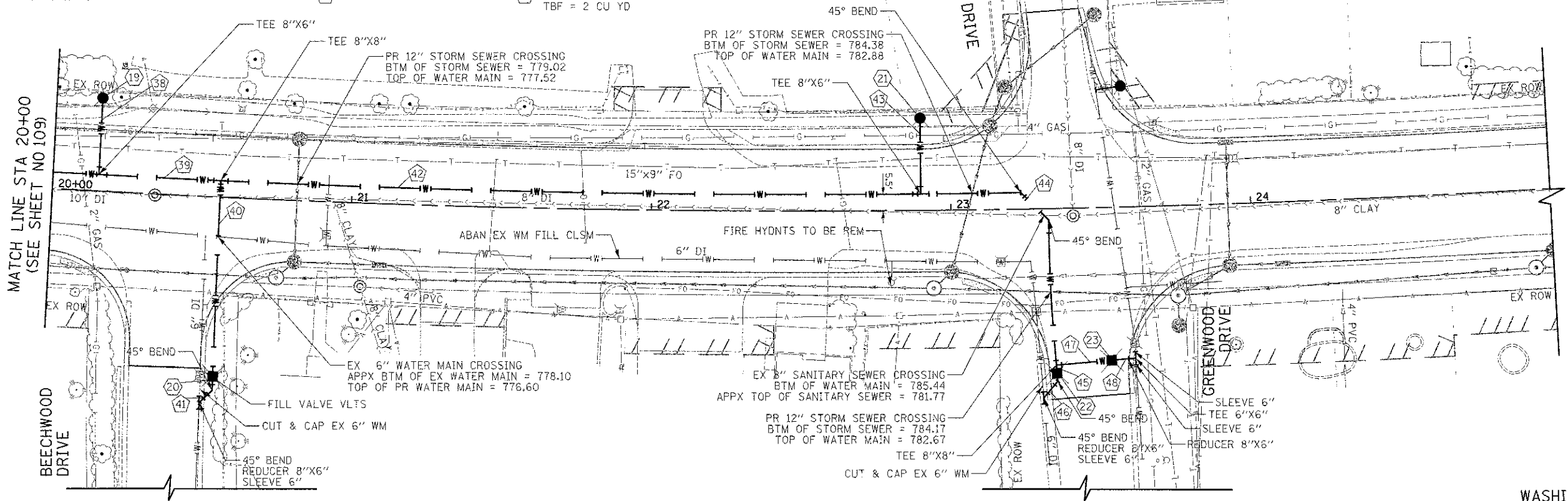


**WATER MAIN PLAN AND PROFILE**

SHEET NO. 4 OF 9 SHEETS STA. 15+00 TO STA. 20+00

F.A.U. RTE. 0187	SECTION 05-00121-07-WR	COUNTY LAKE	TOTAL SHEETS 223	SHEET NO. 109
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	

- 19 STA 20+15.3, 31.0' LT  
FIRE HYD W/AUX V & VB
- 20 STA 20+56.5, 59.8' RT  
VV TA 4 DIA TIF CL  
WATER VALVES 8"  
RIM = 784.70
- 21 STA 22+89.9, 30.8' LT  
FIRE HYD W/AUX V & VB
- 22 STA 23+34.3, 54.9' RT  
VV TA 4 DIA TIF CL  
WATER VALVES 8"  
RIM = 793.65
- 23 STA 23+52.4, 51.1' RT  
VV TA 4 DIA TIF CL  
WATER VALVES 8"  
RIM = 793.93
- 38 26' - D I WATER MAIN 6"  
TBF = 12 CU YD
- 39 41' - D I WATER MAIN 8"  
TBF = 17 CU YD
- 40 66' - D I WATER MAIN 8"  
TBF = 27 CU YD
- 41 11' - D I WATER MAIN 8"
- 42 233' - D I WATER MAIN 8"  
TBF = 137 CU YD
- 43 26' - D I WATER MAIN 6"  
TBF = 18 CU YD
- 44 100' - D I WATER MAIN 8"  
TBF = 58 CU YD
- 45 3' - D I WATER MAIN 8"  
TBF = 2 CU YD
- 46 10' - D I WATER MAIN 8"  
TBF = 5 CU YD
- 47 19' - D I WATER MAIN 8"  
TBF = 8 CU YD
- 48 9' - D I WATER MAIN 8"  
TBF = 4 CU YD



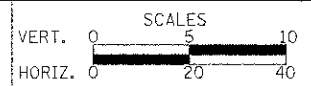
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DATE - 12/17/2012	REVISED -

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



**WATER MAIN PLAN AND PROFILE**

SHEET NO. 5 OF 9 SHEETS STA. 20+00 TO STA. 25+00

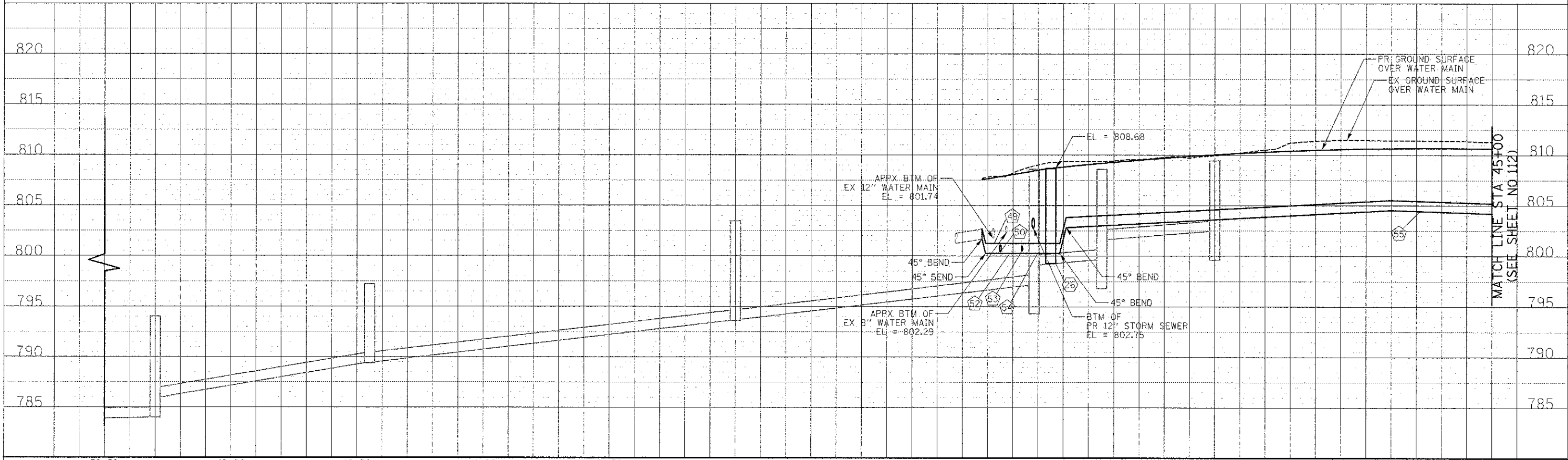
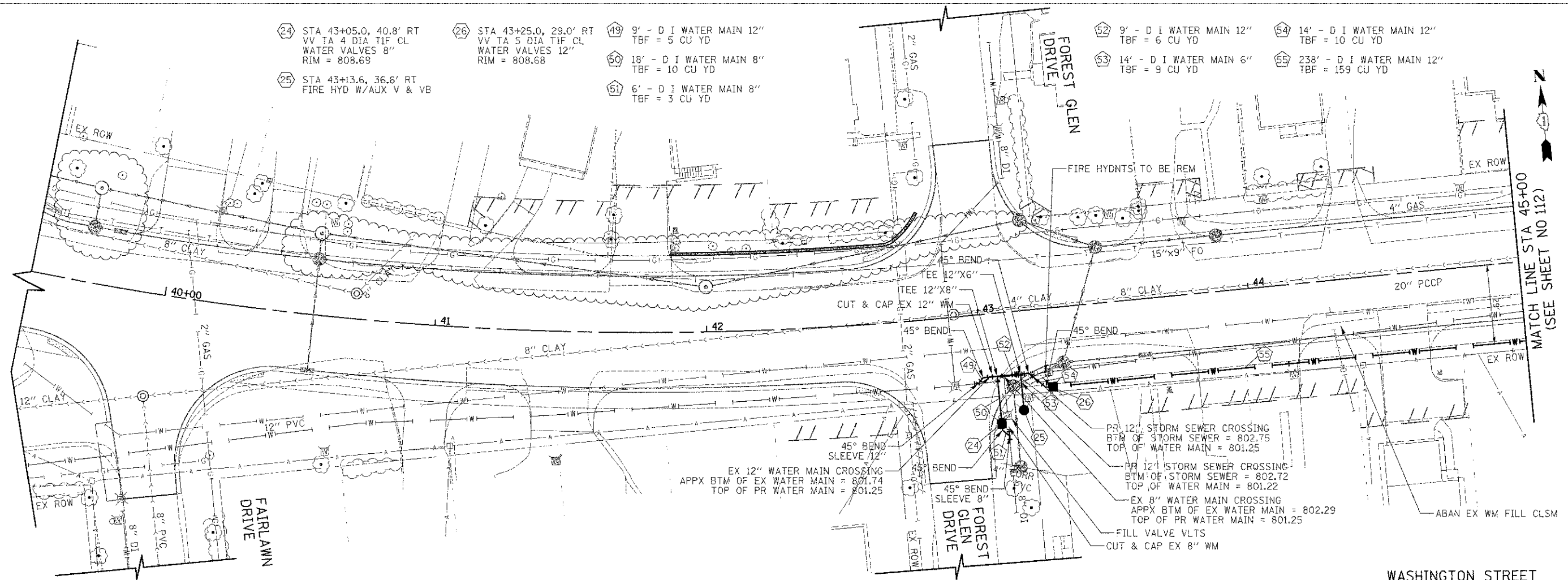
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
0187	05-00121-07-WR	LAKE	223 / 110
CONTRACT NO. 63765			
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			



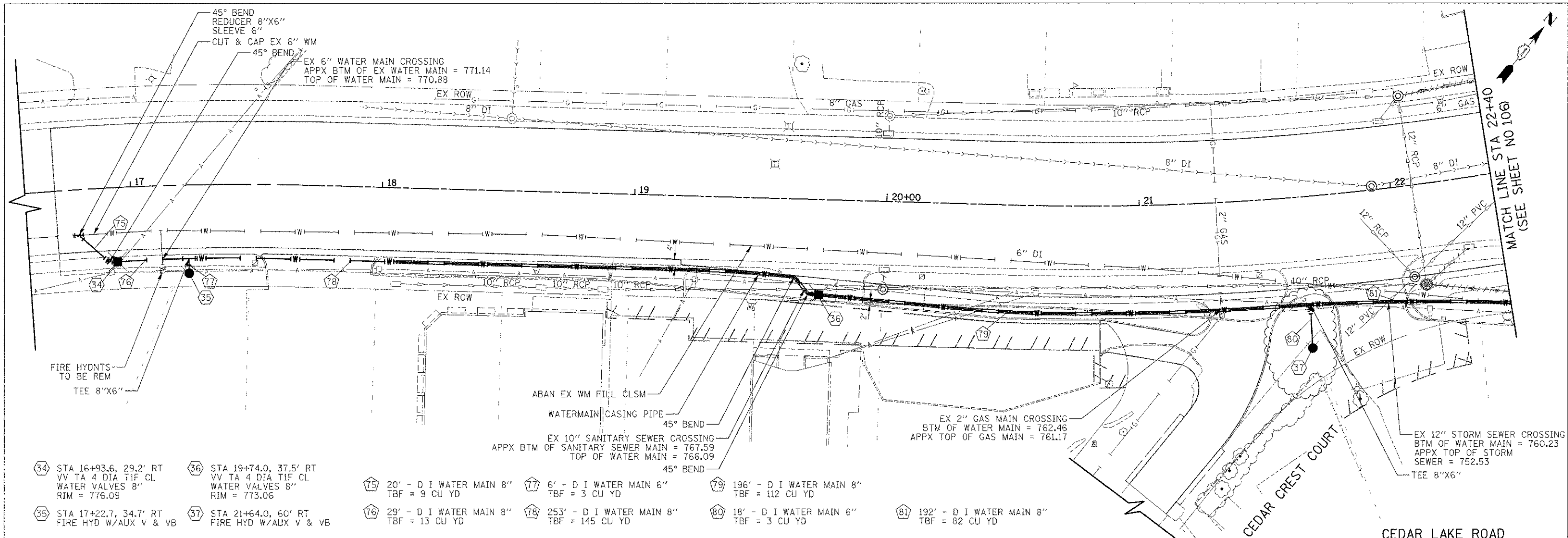
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- 24 STA 43+05.0, 40.8' RT  
VV TA 4 DIA TIF CL  
WATER VALVES 8"  
RIM = 808.69
- 25 STA 43+13.6, 36.6' RT  
FIRE HYD W/AUX V & VB
- 26 STA 43+25.0, 29.0' RT  
VV TA 5 DIA TIF CL  
WATER VALVES 12"  
RIM = 808.68
- 49 9' - D I WATER MAIN 12"  
TBF = 5 CU YD
- 50 18' - D I WATER MAIN 8"  
TBF = 10 CU YD
- 51 6' - D I WATER MAIN 8"  
TBF = 3 CU YD
- 52 9' - D I WATER MAIN 12"  
TBF = 6 CU YD
- 53 14' - D I WATER MAIN 6"  
TBF = 9 CU YD
- 54 14' - D I WATER MAIN 12"  
TBF = 10 CU YD
- 55 238' - D I WATER MAIN 12"  
TBF = 159 CU YD

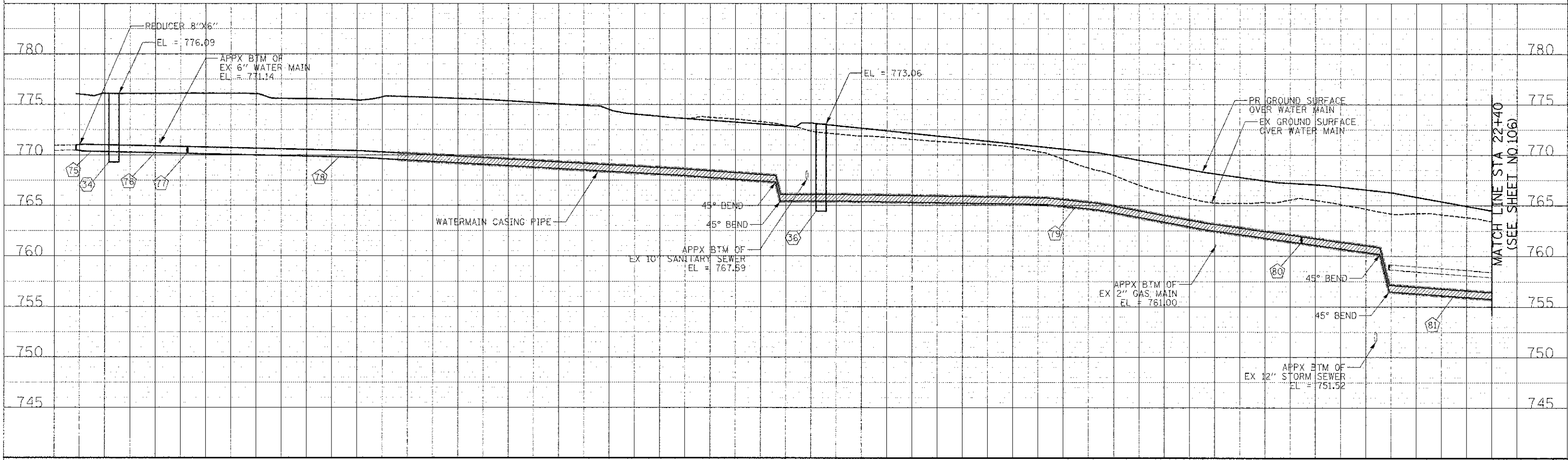


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- 34 STA 16+93.6, 29.2' RT VV TA 4 DIA TIF CL WATER VALVES 8" RIM = 776.09
- 35 STA 17+22.7, 34.7' RT FIRE HYD W/AUX V & VB
- 36 STA 19+74.0, 37.5' RT VV TA 4 DIA TIF CL WATER VALVES 8" RIM = 773.06
- 37 STA 21+64.0, 60' RT FIRE HYD W/AUX V & VB
- 75 20' - D I WATER MAIN 8" TBF = 9 CU YD
- 76 29' - D I WATER MAIN 8" TBF = 13 CU YD
- 77 6' - D I WATER MAIN 6" TBF = 3 CU YD
- 78 253' - D I WATER MAIN 8" TBF = 145 CU YD
- 79 196' - D I WATER MAIN 8" TBF = 112 CU YD
- 80 18' - D I WATER MAIN 6" TBF = 3 CU YD
- 81 192' - D I WATER MAIN 8" TBF = 82 CU YD

BY	DATE
DESIGNED - PK	
DRAWN - JRR	
CHECKED - RTM	
DATE - 12/17/2012	
REVISIONS	
NO.	



	450 E Devon Ave, Suite 300 Itasca, Illinois 60143 Tel: 630.773.3900 Fax: 630.773.3975 www.civiltechinc.com	DESIGNED - PK	REVISED - 4/10/2013	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	VERT. 0 5 10 HORIZ. 0 20 40	<b>WATER MAIN PLAN AND PROFILE</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - RTM	DATE - 12/17/2012				0187	05-00121-07-WR	LAKE	223	114
SHEET NO. 9 OF 9 SHEETS STA. 18+80 TO STA. 24+00							CONTRACT NO. 63765 ILLINOIS FED. AID PROJECT				

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 SALT TOLERANT SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 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 TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE L.E.D. AND 12" (300 mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. 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.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT. WIRELESS INTERCONNECT IS ACCEPTABLE FOR TEMPORARY INTERCONNECT INSTALLATION WITH APPROVAL OF THE ENGINEER. IF WIRELESS INTERCONNECT IS USED, IT MUST HAVE THE CAPABILITY TO TRANSMIT VIDEO IMAGERY IN ADDITION TO PROVIDING WIRELESS COMMUNICATION WITH THE TRAFFIC SIGNAL SYSTEM. THE FURNISHING, INSTALLATION, AND MAINTENANCE OF ANY TEMPORARY TRAFFIC SIGNAL INTERCONNECT SYSTEM, INCLUDING WIRELESS INTERCONNECT, SHALL BE INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
- 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 PHASING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.
- ALL STATIONS AND OFFSETS SHALL BE DIMENSIONED FROM THE CENTERLINE OF CEDAR LAKE ROAD.
- THESE TEMPORARY SIGNAL HEADS, VIDEO AND OPTICAL DETECTORS, AND CONFIRMATION BEACONS SHALL BE BAGGED AND DISCONNECTED UPON CLOSURE OF WASHINGTON STREET. THEY SHALL BE REACTIVATED UPON REOPENING OF WASHINGTON STREET.
- A REMOTE CONTROLLED VIDEO SYSTEM, VIDEO ENCODER, AND LAYER II SWITCH SHALL BE INSTALLED AS PART OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE PTZ CAMERA SHALL BE INSTALLED ON A LUMINAIRE ARM ON THE TEMPORARY WOOD POLE. THE REMOTE CONTROLLED VIDEO SYSTEM, VIDEO ENCODER, AND LAYER II SWITCH SHALL BE RELOCATED TO THE PERMANENT TRAFFIC SIGNAL INSTALLATION UPON REMOVAL OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF LCDOT, AND SHALL BE DELIVERED TO LCDOT PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1 EACH CONTROLLER AND CABINET, COMPLETE
- 1 EACH UNINTERRUPTIBLE POWER SUPPLY

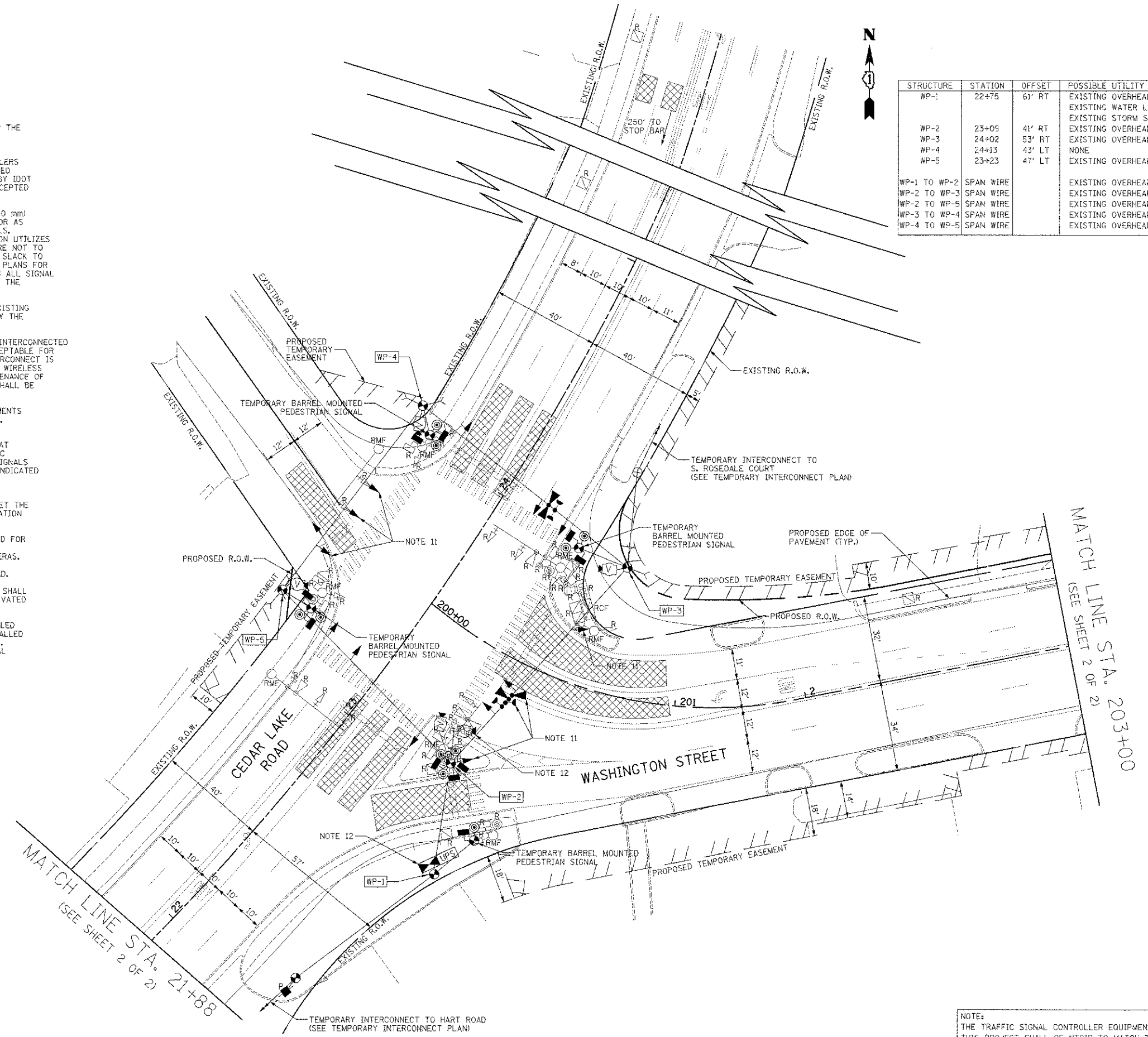
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CURRENT BID PRICE.

- 6 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
- 4 EACH SIGNAL HEAD, 1-FACE, 4-SECTION
- 4 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
- 1 EACH PEDESTRIAN SIGNAL HEAD, 1-FACE
- 3 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 1 EACH PEDESTRIAN SIGNAL HEAD, 3-FACE
- 9 EACH PEDESTRIAN PUSH-BUTTON
- 7 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH STEEL MAST ARM ASSEMBLY AND POLE
- 4 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION

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

- 3 EACH LIGHT DETECTOR

STRUCTURE	STATION	OFFSET	POSSIBLE UTILITY CONFLICTS
WP-1	22+75	61' RT	EXISTING OVERHEAD LINE EXISTING WATER LINE EXISTING STORM SEWER
WP-2	23+05	41' RT	EXISTING OVERHEAD LINE
WP-3	24+02	53' RT	EXISTING OVERHEAD LINE
WP-4	24+13	43' LT	NONE
WP-5	23+23	47' LT	EXISTING OVERHEAD LINE
WP-1 TO WP-2	SPAN WIRE		EXISTING OVERHEAD LINES
WP-2 TO WP-3	SPAN WIRE		EXISTING OVERHEAD LINES
WP-2 TO WP-5	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



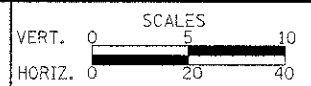
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CHECKED - JJE	REVISED -
DATE - 12/17/2012	REVISED -

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



**WASHINGTON STREET AT CEDAR LAKE ROAD**  
**TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVAL PLAN**  
 SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS

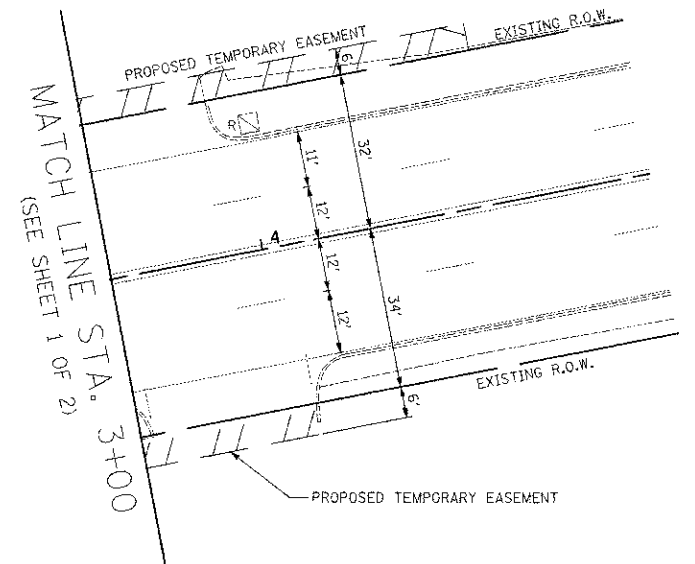
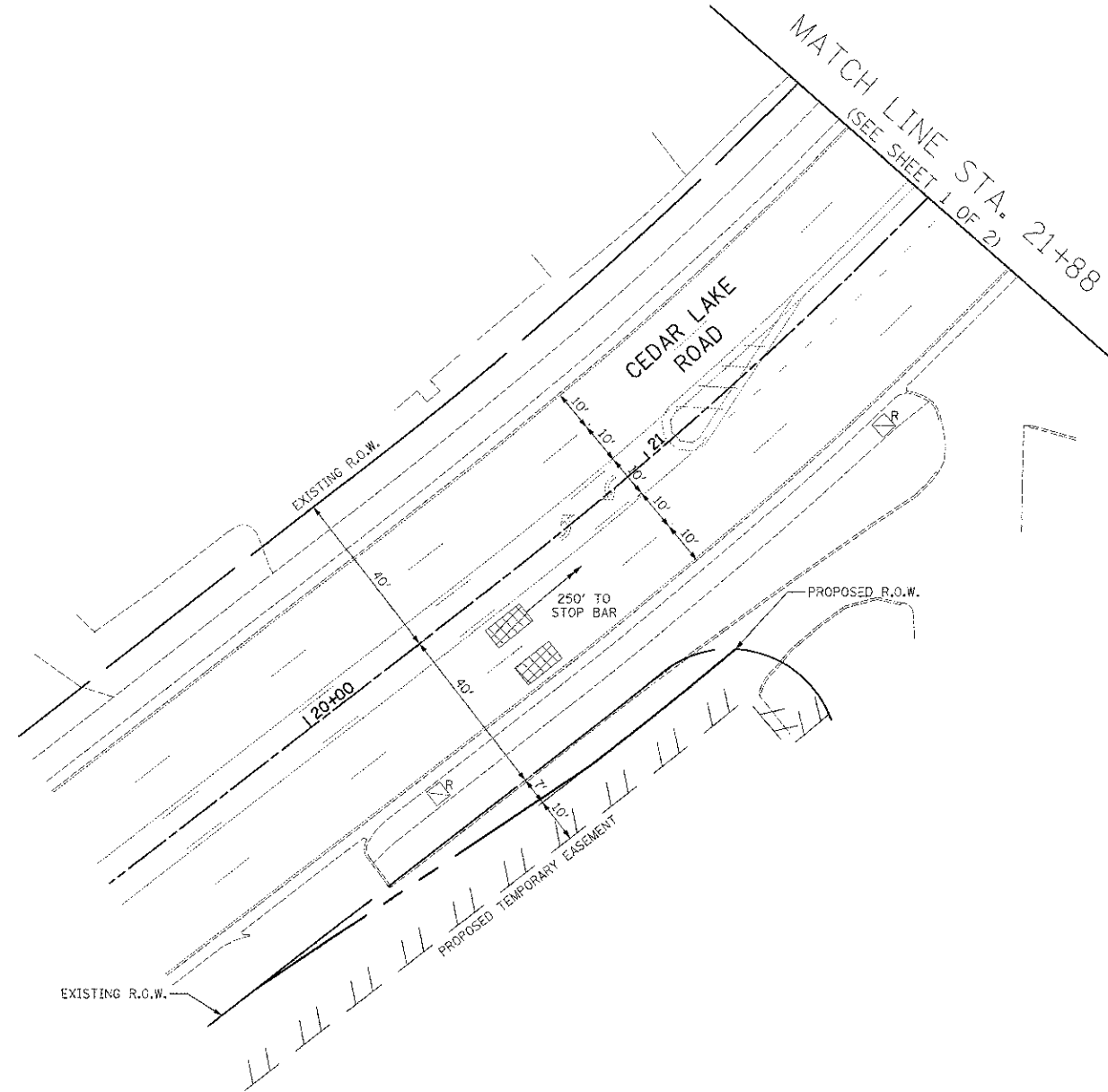
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	121
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	

NOTE:  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP 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 SALT TOLERANT SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**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 TSI 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 CEDAR LAKE ROAD.



**NOTE:**  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP TO MATCH THE EXISTING ADJACENT SYSTEM.

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NOTED	
AREAS CHECKED	

DATE	
BY	
SANITIZED	
PLOTTED	
NOTED	
AREAS CHECKED	



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DRAWN - MFB	REVISED -
CHECKED - JJE	REVISED -
DATE - 12/17/2012	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**WASHINGTON STREET AT CEDAR LAKE ROAD  
 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVAL PLAN**

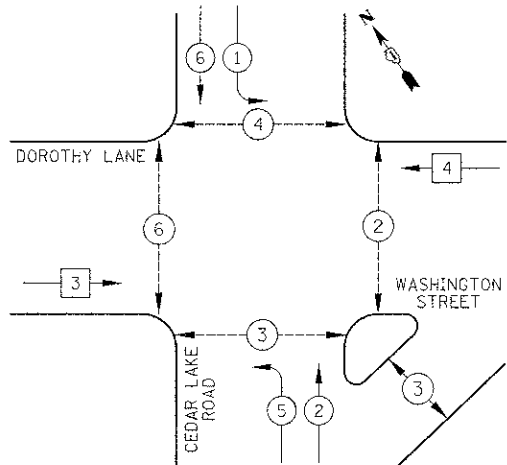
SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	122
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 63765

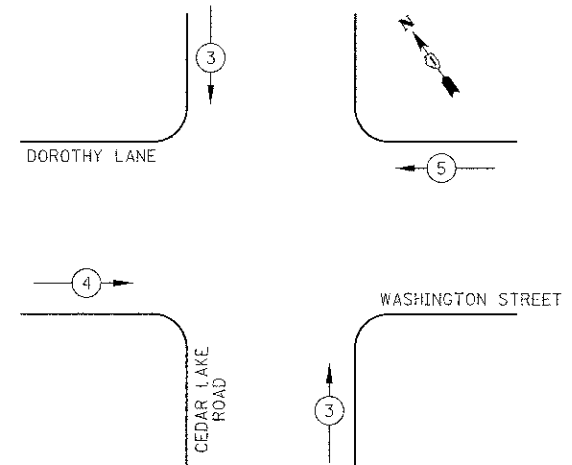
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TEMPORARY CONTROLLER SEQUENCE



TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE



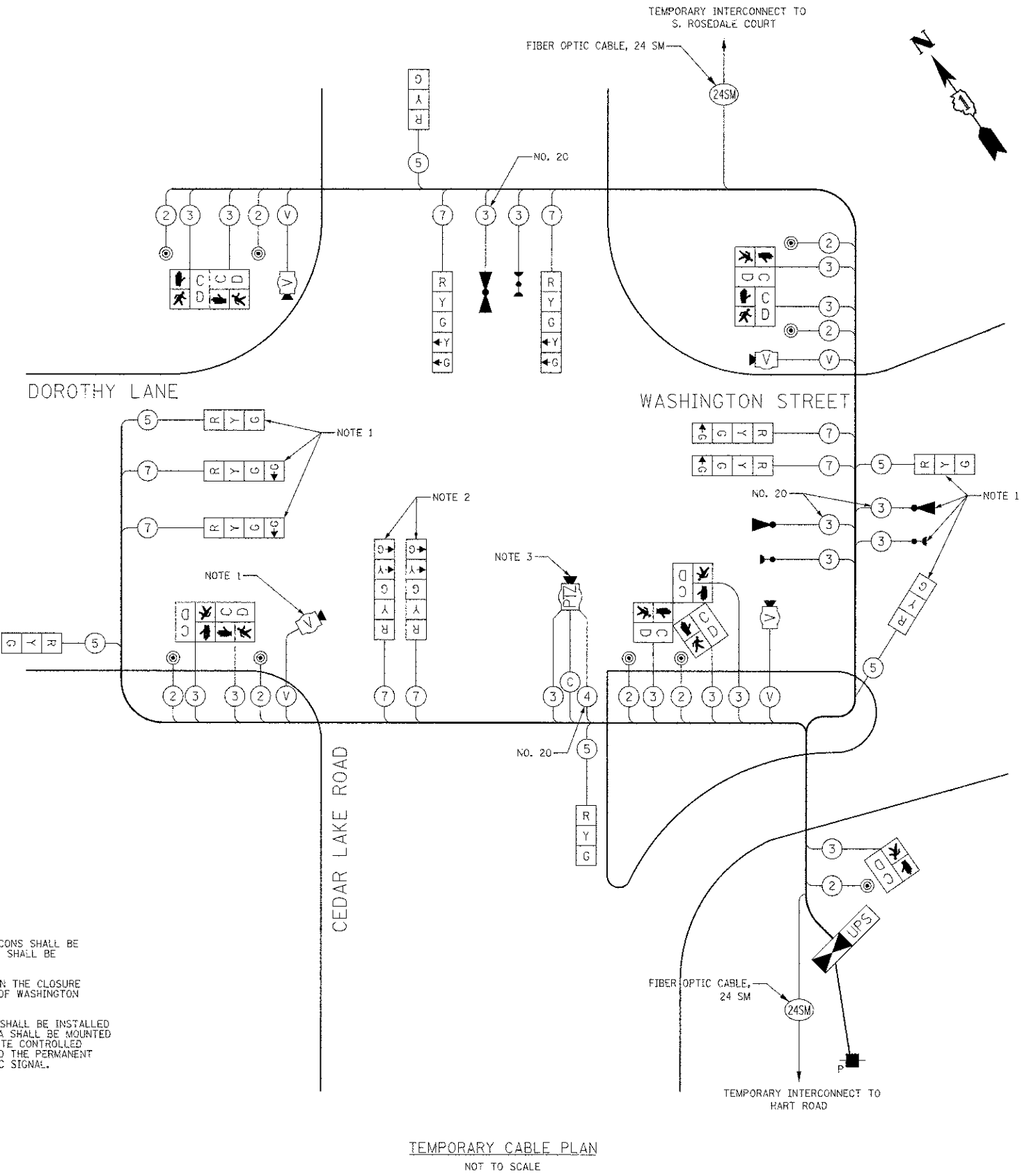
- LEGEND
- DUAL ENTRY PHASE
  - SINGLE ENTRY PHASE
  - OVERLAP
  - PEDESTRIAN PHASE
  - NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			

PHASE DESIGNATION DIAGRAM

TEMPORARY CABLE PLAN NOTES

- THESE SIGNAL HEADS, VIDEO AND OPTICAL DETECTORS, AND CONFIRMATION BEACONS SHALL BE BAGGED AND DISCONNECTED UPON THE CLOSURE OF WASHINGTON STREET. THEY SHALL BE REACTIVATED UPON THE REOPENING OF WASHINGTON STREET TO TRAFFIC.
- THE LEFT TURN ARROW INDICATIONS SHALL BE BAGGED AND DISCONNECTED UPON THE CLOSURE OF WASHINGTON STREET. THEY SHALL BE REACTIVATED UPON THE REOPENING OF WASHINGTON STREET TO TRAFFIC.
- A REMOTE CONTROLLED VIDEO SYSTEM, VIDEO ENCODER, AND LAYER II SWITCH SHALL BE INSTALLED AS PART OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE PTZ CAMERA SHALL BE MOUNTED TO A 15' LUMINAIRE ARM MOUNTED ON THE TEMPORARY WOOD POLE. THE REMOTE CONTROLLED VIDEO SYSTEM, VIDEO ENCODER, AND LAYER II SWITCH SHALL BE RELOCATED TO THE PERMANENT TRAFFIC SIGNAL INSTALLATION UPON THE REMOVAL OF THE TEMPORARY TRAFFIC SIGNAL.



L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	14	INCAND.	10	0.50	70.0
(YELLOW)	14		19	0.25	66.5
(GREEN)	18		11	0.25	49.5
ARROW	8		9	0.10	7.2
PED. SIGNAL	10		9	1.00	90.0
CONTROLLER	1		100	1.00	100.0
VIDEO SYSTEM	1		150	1.00	150.0
LUMINAIRE		250		0.50	
LED STREET NAME SIGNS			64	0.50	
BATTERY BACKUP	1		25	1.00	25.0
FLASHER				0.50	
TOTAL =					558.2

ENERGY COSTS TO: LAKE COUNTY DIVISION OF TRANSPORTATION  
600 W. WINCHESTER ROAD  
LIBERTYVILLE, IL 60048

ENERGY SUPPLY: CONTACT: KIM KANGAS  
PHONE: (647) 816-5497  
COMPANY: COM ED

TEMPORARY CABLE PLAN  
NOT TO SCALE

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

**CIVILTECH**  
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CHECKED - JJE	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WASHINGTON STREET AT CEDAR LAKE ROAD  
TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	123
CONTRACT NO. 63765				

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



**TRAFFIC SIGNAL NOTES**

- ALL STATIONS AND OFFSETS ARE DIMENSIONED FROM THE CENTERLINE OF CEDAR LAKE ROAD.
- ALL DETECTION ZONES ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED AND LAID OUT BY LAKE COUNTY DIVISION OF TRANSPORTATION PERSONNEL.
- THE R10-3 PEDESTRIAN PUSH BUTTON SIGNS ARE TO BE INCLUDED IN THE PAY ITEM "PEDESTRIAN PUSH-BUTTON".
- A BLUETOOTH DETECTOR SHALL BE MOUNTED TO THIS MAST ARM POLE. THE BLUETOOTH DETECTOR SHALL BE MOUNTED AT A MINIMUM OF 10 FEET ABOVE THE FINISHED GRADE. SEE THE SPECIAL PROVISIONS FOR MORE INFORMATION.
- THE REMOTE CONTROLLED VIDEO SYSTEM, VIDEO ENCODER, AND LAYER II SWITCH SHALL BE RELOCATED FROM THE TEMPORARY TRAFFIC SIGNAL INSTALLATION TO THE PERMANENT TRAFFIC SIGNAL INSTALLATION.

**SCHEDULE OF COMBINATION MAST ARM ASSEMBLY AND POLES**

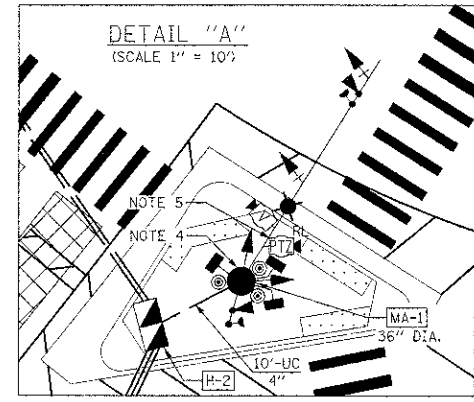
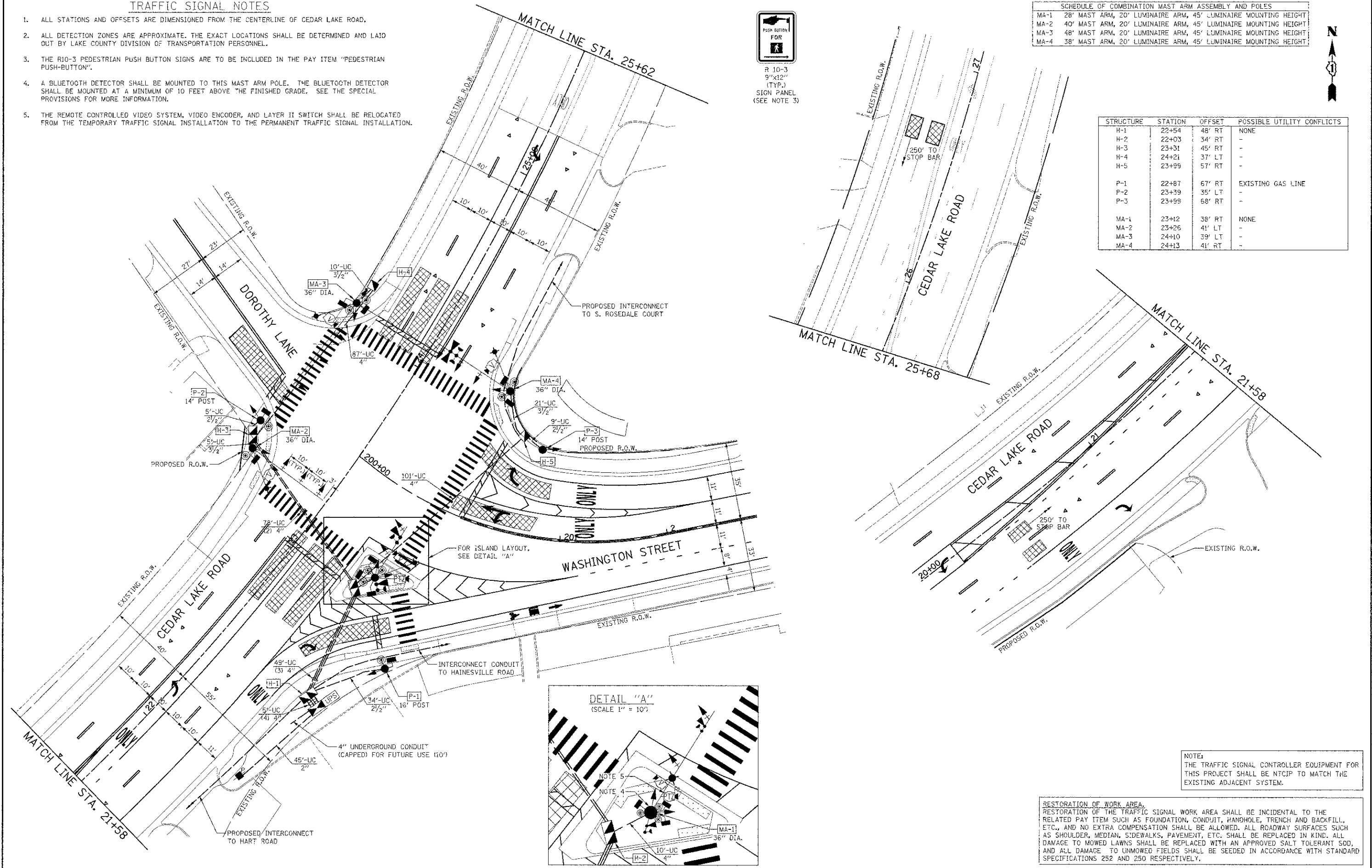
MA-1	28' MAST ARM, 20' LUMINAIRE ARM, 45' LUMINAIRE MOUNTING HEIGHT
MA-2	40' MAST ARM, 20' LUMINAIRE ARM, 45' LUMINAIRE MOUNTING HEIGHT
MA-3	48' MAST ARM, 20' LUMINAIRE ARM, 45' LUMINAIRE MOUNTING HEIGHT
MA-4	38' MAST ARM, 20' LUMINAIRE ARM, 45' LUMINAIRE MOUNTING HEIGHT



STRUCTURE	STATION	OFFSET	POSSIBLE UTILITY CONFLICTS
H-1	22+54	48' RT	NONE
H-2	22+03	34' RT	-
H-3	23+31	45' RT	-
H-4	24+21	37' LT	-
H-5	23+99	57' RT	-
P-1	22+87	67' RT	EXISTING GAS LINE
P-2	23+39	35' LT	-
P-3	23+99	68' RT	-
MA-1	23+12	38' RT	NONE
MA-2	23+26	41' LT	-
MA-3	24+10	39' LT	-
MA-4	24+13	41' RT	-

DATE	BY
DESIGNED	PK
DRAWN	JRR
CHECKED	RTM
DATE	12/17/2012

DATE	BY
DESIGNED	PK
DRAWN	JRR
CHECKED	RTM
DATE	12/17/2012



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTICIP 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 SALT TOLERANT SOO, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WASHINGTON STREET AT CEDAR LAKE ROAD  
TRAFFIC SIGNAL MODERNIZATION PLAN**

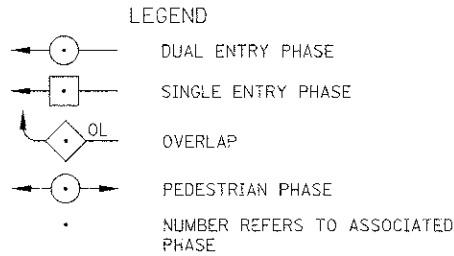
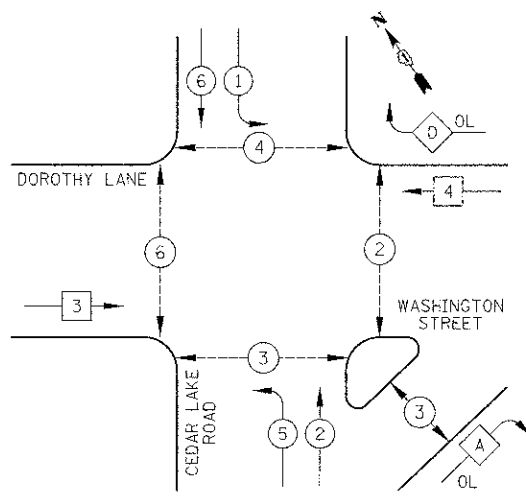
SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
0187	05-00121-07-WR	LAKE	223 / 124
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
SERVICE INSTALLATION, POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	45
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	48
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	36
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	531
HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	3
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2694
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2563
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1675
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2835
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	69
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	861
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	3
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	11
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	10
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	11
REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
VIDEO DETECTION SYSTEM (COMPLETE INTERSECTION)	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	533
ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	165
ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C	FOOT	165
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. (SPECIAL)	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT. (SPECIAL)	EACH	1
TRAFFIC SIGNAL POST, 36 FOOT, (SPECIAL)	EACH	3
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
REMOTE CONTROLLED VIDEO SYSTEM	EACH	1
LAYER II (DATA LINK) SWITCH	EACH	1
VIDEO ENCODER	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT. (SPECIAL)	EACH	1
ROADSIDE DETECTOR	EACH	1
OUTDOOR RATED NETWORK CABLE	FOOT	110
RELOCATE SWITCH	EACH	1
RELOCATE EXISTING ENCODER	EACH	1
RELOCATE EXISTING REMOTE-CONTROLLED VIDEO SYSTEM	EACH	1

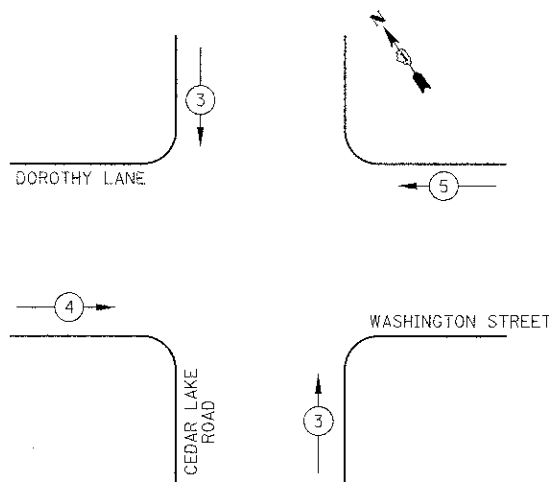
PROPOSED CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	"	2 + 4
D	"	4 + 1

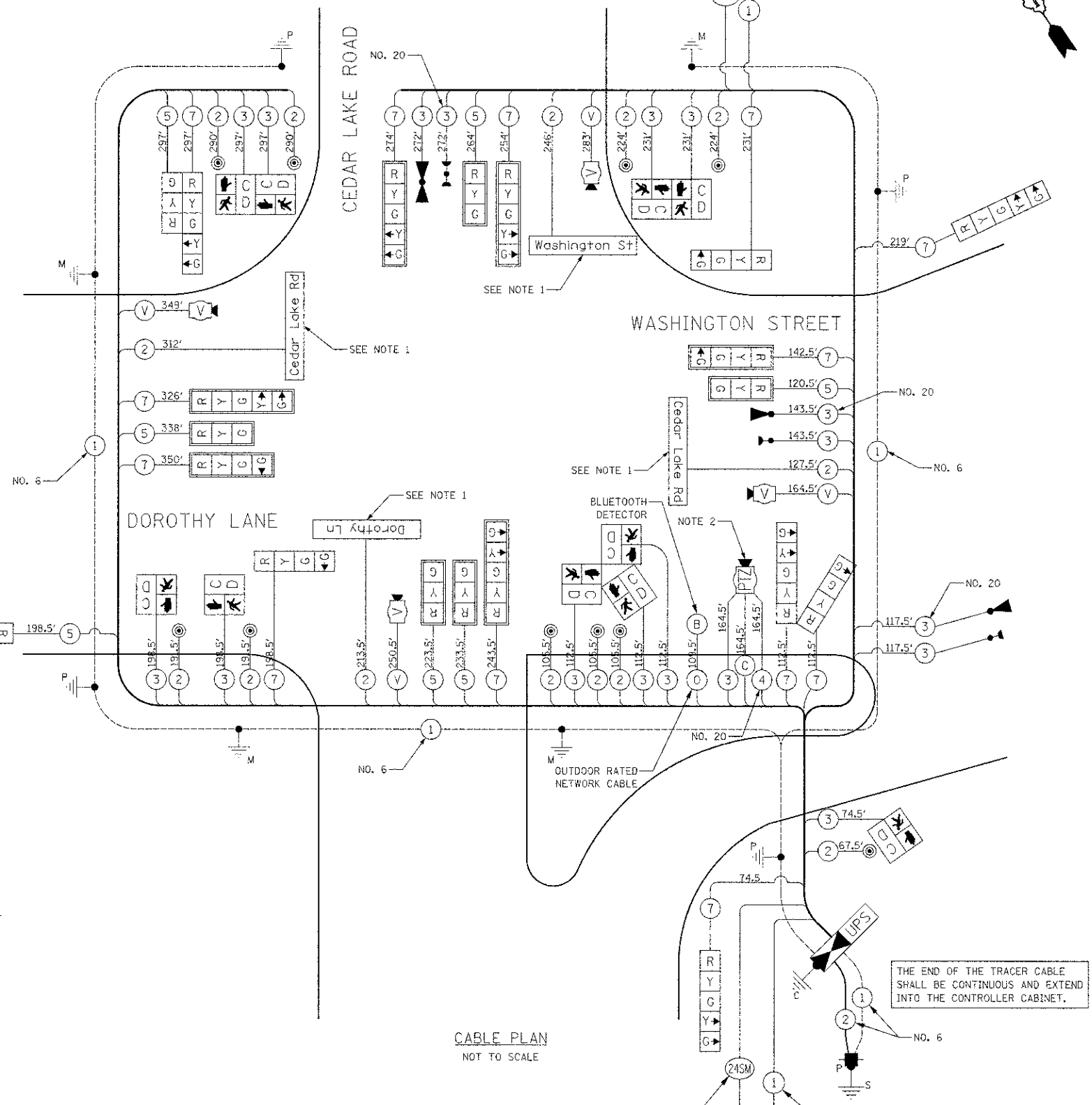
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	↑	→	←

FIBER OPTIC CABLE, 24 SM  
INTERCONNECT TO S. ROSEDALE COURT  
TRACER CABLE



CABLE PLAN  
NOT TO SCALE

NOTES FOR TRAFFIC SIGNALS

1. L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTICIP TO MATCH THE EXISTING ADJACENT SYSTEM.

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
CHECKED: \_\_\_\_\_  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
CHECKED: \_\_\_\_\_

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
CHECKED: \_\_\_\_\_  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_  
CHECKED: \_\_\_\_\_

L.C.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	21	10	0.50	105.0
(YELLOW)	21	19	0.25	99.8
(GREEN)	26	11	0.25	71.5
ARROW	14	9	0.10	12.6
PED. SIGNAL	10	9	1.00	90.0
CONTROLLER	1	100	1.00	100.0
VIDEO SYSTEM	1	150	1.00	150.0
LUMINAIRE		250	0.50	
LED STREET NAME SIGNS	4	64	0.50	128.0
BATTERY BACKUP	1	25	1.00	25.0
FLASHER			0.60	
TOTAL =				781.9

ENERGY COSTS TO: LAKE COUNTY DIVISION OF TRANSPORTATION  
600 W. WINCHESTER ROAD  
LIBERTYVILLE, IL 60048

ENERGY SUPPLY: CONTACT: KIM KANGAS  
PHONE: (847) 816-5497  
COMPANY: COM ED

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DATE - 12/17/2012

REVISED - 4/10/2013  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WASHINGTON STREET AT CEDAR LAKE ROAD  
CABLE PLAN, PHASE DIAGRAM, EMERGENCY VEHICLE  
PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES**

NO SCALE SHEET NO. 1 OF 1 SHEETS

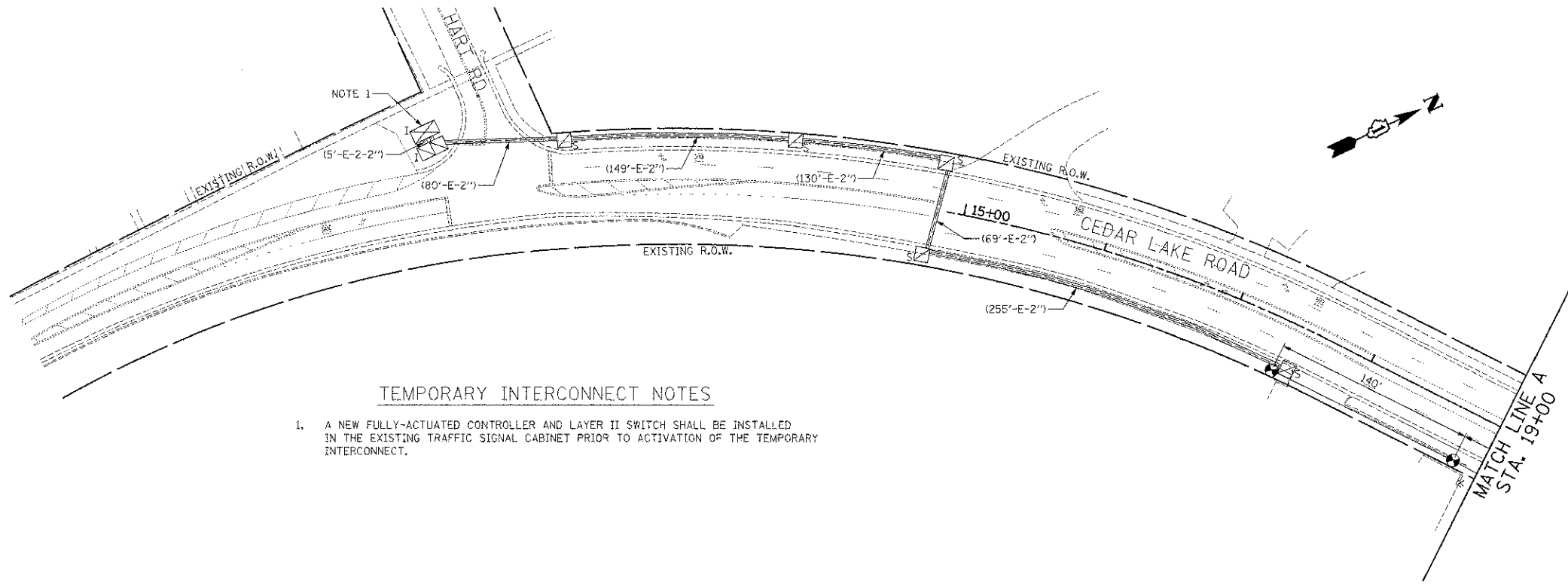
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	125

CONTRACT NO. 63765  
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

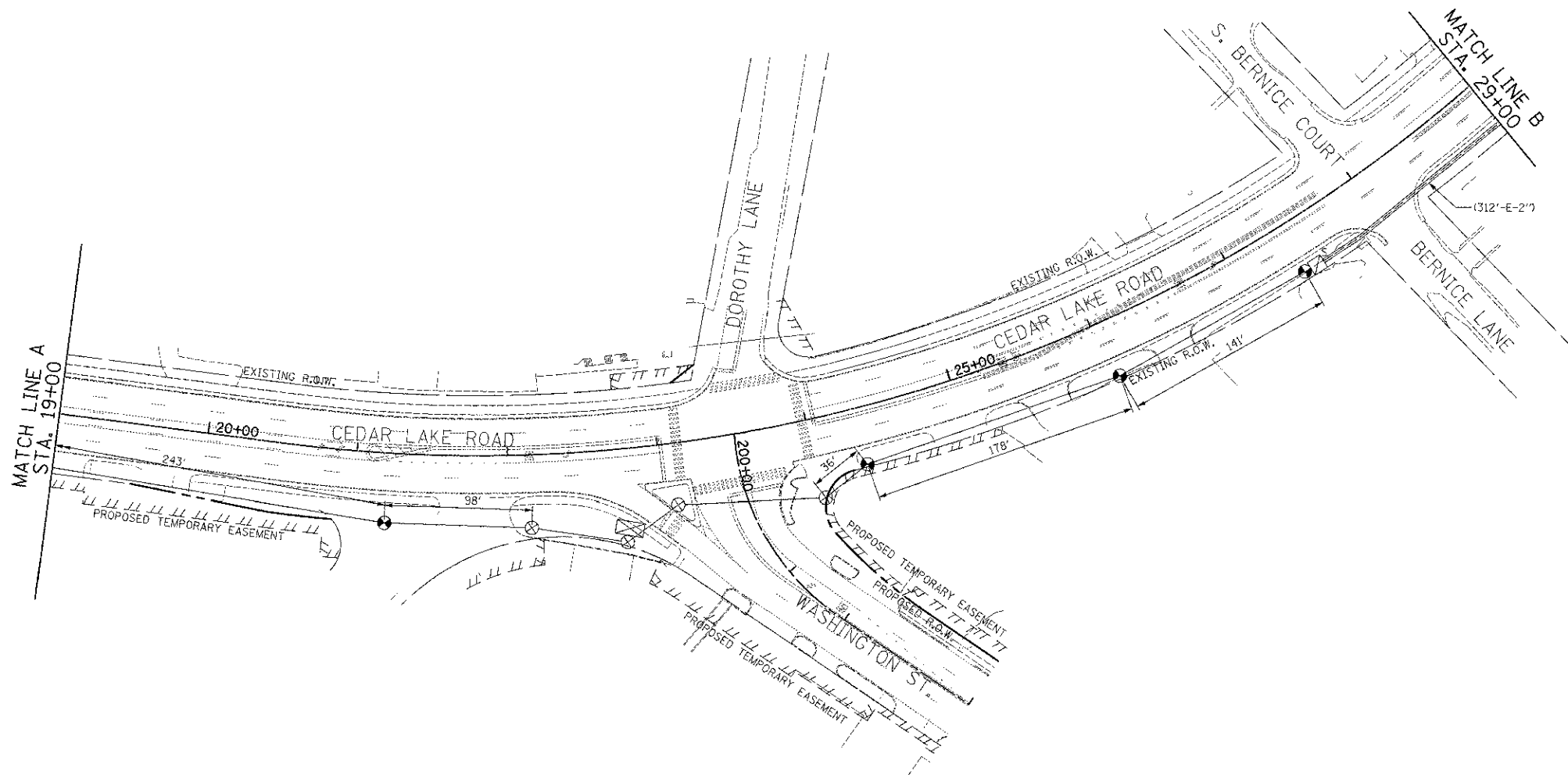


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REVISION	
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REVISION	
NO.	



- TEMPORARY INTERCONNECT NOTES**
1. A NEW FULLY-ACTUATED CONTROLLER AND LAYER II SWITCH SHALL BE INSTALLED IN THE EXISTING TRAFFIC SIGNAL CABINET PRIOR TO ACTIVATION OF THE TEMPORARY INTERCONNECT.



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCP 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 SALT TOLERANT SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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DATE - 12/17/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN  
CEDAR LAKE ROAD  
HART ROAD TO S. ROSEDALE ROAD**

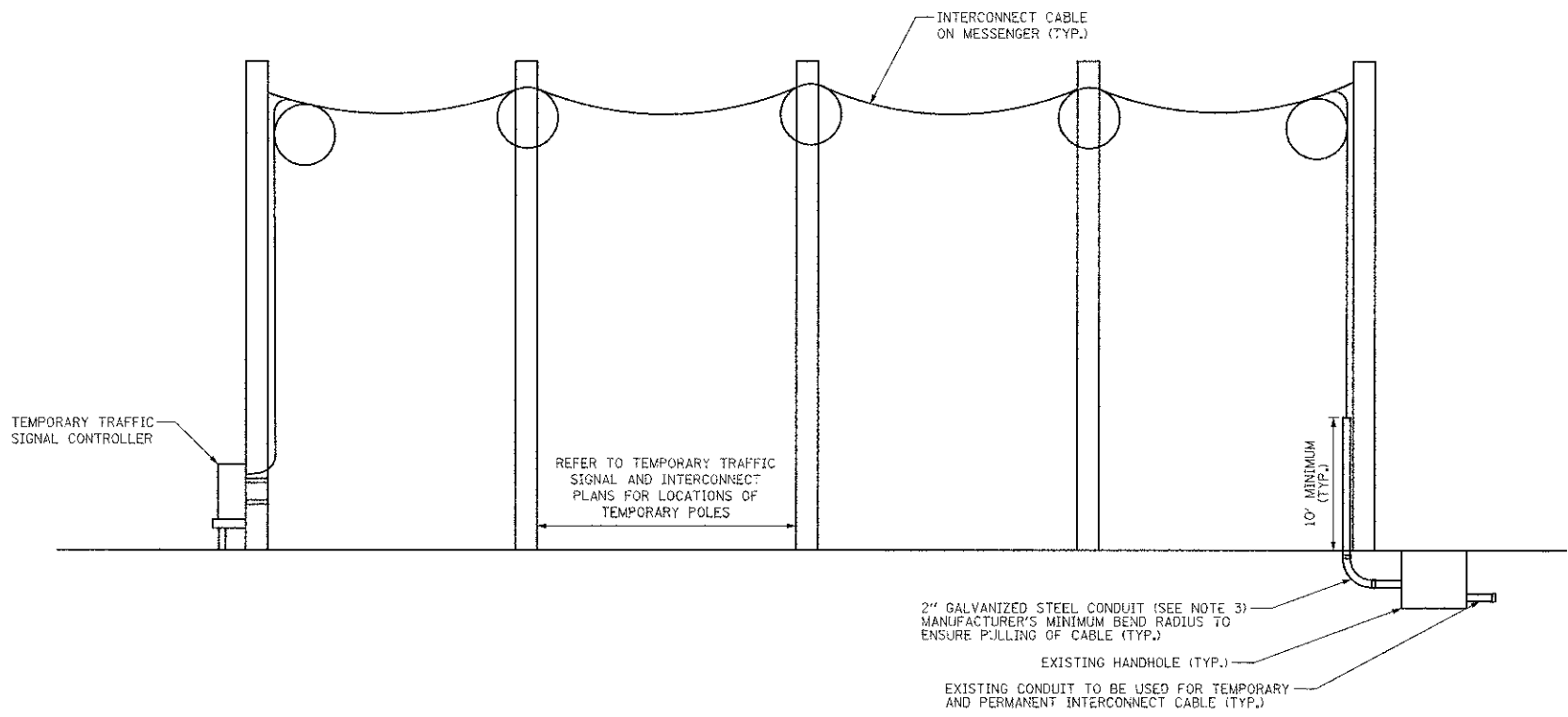
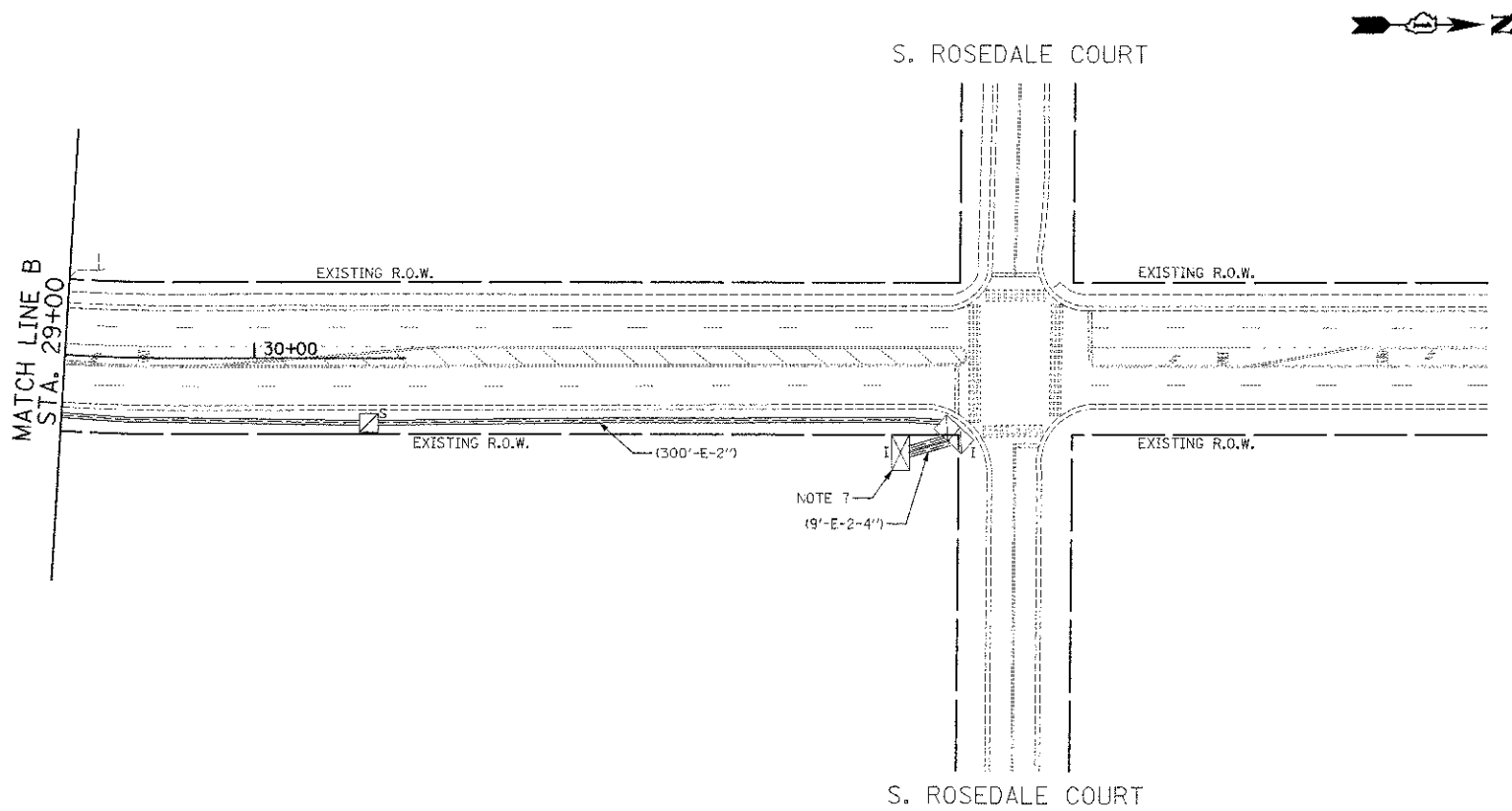
SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
0187	05-06121-07-WR	LAKE	223 126
CONTRACT NO. 63765			

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

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NOTE BOOK	
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DATE	
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PLOTTED	
NOTE BOOK	
AREAS CHECKED	



**TEMPORARY INTERCONNECT NOTES**

1. TRANSFER OF EXISTING TO TEMPORARY INTERCONNECT (FIBER OPTIC OR WIRELESS) AND TEMPORARY INTERCONNECT TO PROPOSED MUST BE COMPLETED IN ONE WORKING DAY DURING NON-PEAK HOURS OR AS DIRECTED BY THE ENGINEER.
2. AFTER THE PROPOSED INTERCONNECT IS TURNED ON AND OPERATING TO THE SATISFACTION OF THE ENGINEER, THE TEMPORARY INTERCONNECT SHALL BE REMOVED.
3. THE 2" CONDUIT USED FOR THE TEMPORARY INTERCONNECT CABLE (IF INSTALLED) SHALL BE REMOVED TO BELOW GRADE AND CAPPED AT THE TIME THE TEMPORARY INTERCONNECT IS REMOVED.
4. THE CONTRACTOR MUST NOTIFY THE LCDOT SIGNAL SYSTEM ENGINEER A MINIMUM OF SEVEN WORKING DAYS PRIOR TO THE START OF ANY WORK ON THE TRAFFIC SIGNAL INTERCONNECT.
5. TEMPORARY WIRELESS INTERCONNECT MAY BE USED ON THIS PROJECT PROVIDED THAT SUFFICIENT LINE-OF-SIGHT EXISTS BETWEEN THE INTERSECTIONS TO ESTABLISH WIRELESS COMMUNICATION. THE WIRELESS INTERCONNECT SHALL HAVE THE CAPABILITY OF TRANSMITTING VIDEO IMAGERY IN ADDITION TO MAINTAINING CONTROLLER COMMUNICATIONS FOR THE TRAFFIC SIGNAL SYSTEM. IF THE WIRELESS INTERCONNECT DOES NOT FUNCTION TO THE SATISFACTION OF THE ENGINEER AT INSTALLATION OR FAILS DURING CONSTRUCTION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH AND INSTALL TEMPORARY FIBER OPTIC INTERCONNECT AT NO ADDITIONAL COST TO THE CONTRACT.
6. ALL WORK AND MATERIALS INVOLVED IN THE INSTALLATION OF THE TEMPORARY INTERCONNECT AND ESTABLISHING SYSTEM OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE LCDOT SIGNAL SYSTEM ENGINEER SHALL BE INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION." THIS APPLIES TO BOTH TEMPORARY FIBER OPTIC AND WIRELESS INTERCONNECT INSTALLATIONS.
7. A MEDIA CONVERTER SHALL BE INSTALLED IN THE EXISTING TRAFFIC SIGNAL CABINET PRIOR TO ACTIVATION OF THE TEMPORARY INTERCONNECT.

**CEDAR LAKE ROAD  
AERIALLY SUPPORTED INTERCONNECT CABLE**  
(NOT TO SCALE)

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

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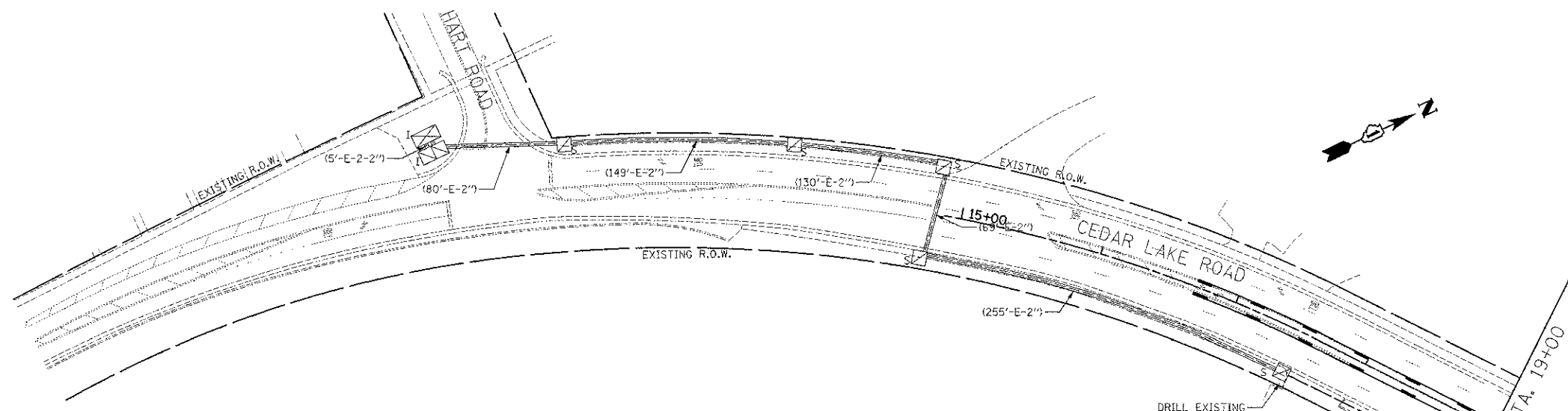
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN  
CEDAR LAKE ROAD  
HART ROAD TO S. ROSEDALE ROAD**  
SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	127
				CONTRACT NO. 63765
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

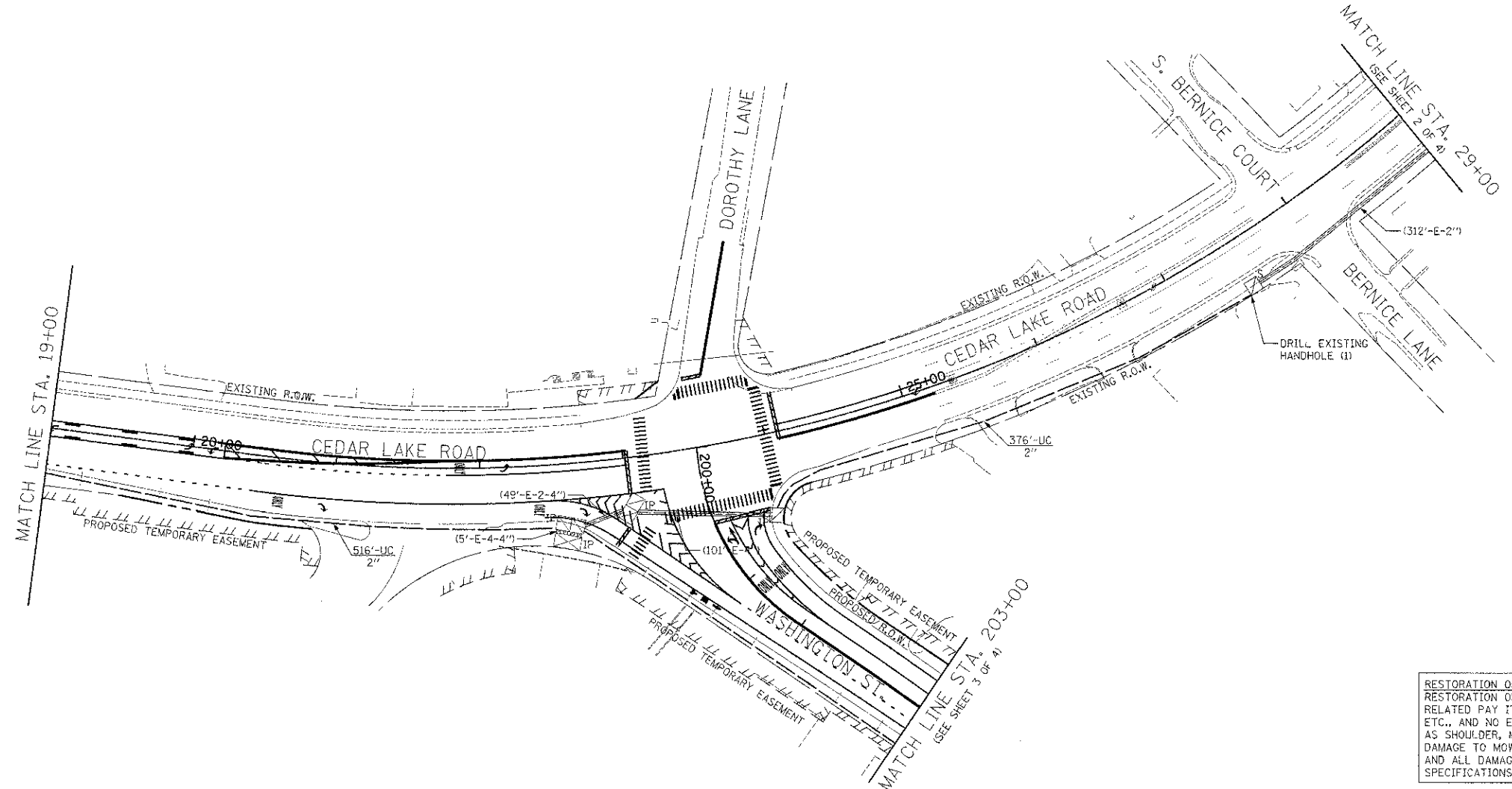
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ORIGINAL SURVEY	
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**INTERCONNECT NOTES**

1. THE EMPTY CONDUIT ALONG WASHINGTON STREET FROM CEDAR LAKE ROAD TO WEST OF HAINESVILLE ROAD SHALL INCLUDE A PULL STRING FOR FUTURE FIBER OPTIC CABLE INSTALLATION.



NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTICP 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 SALT TOLERANT SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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DATE - 12/17/2012	REVISED -

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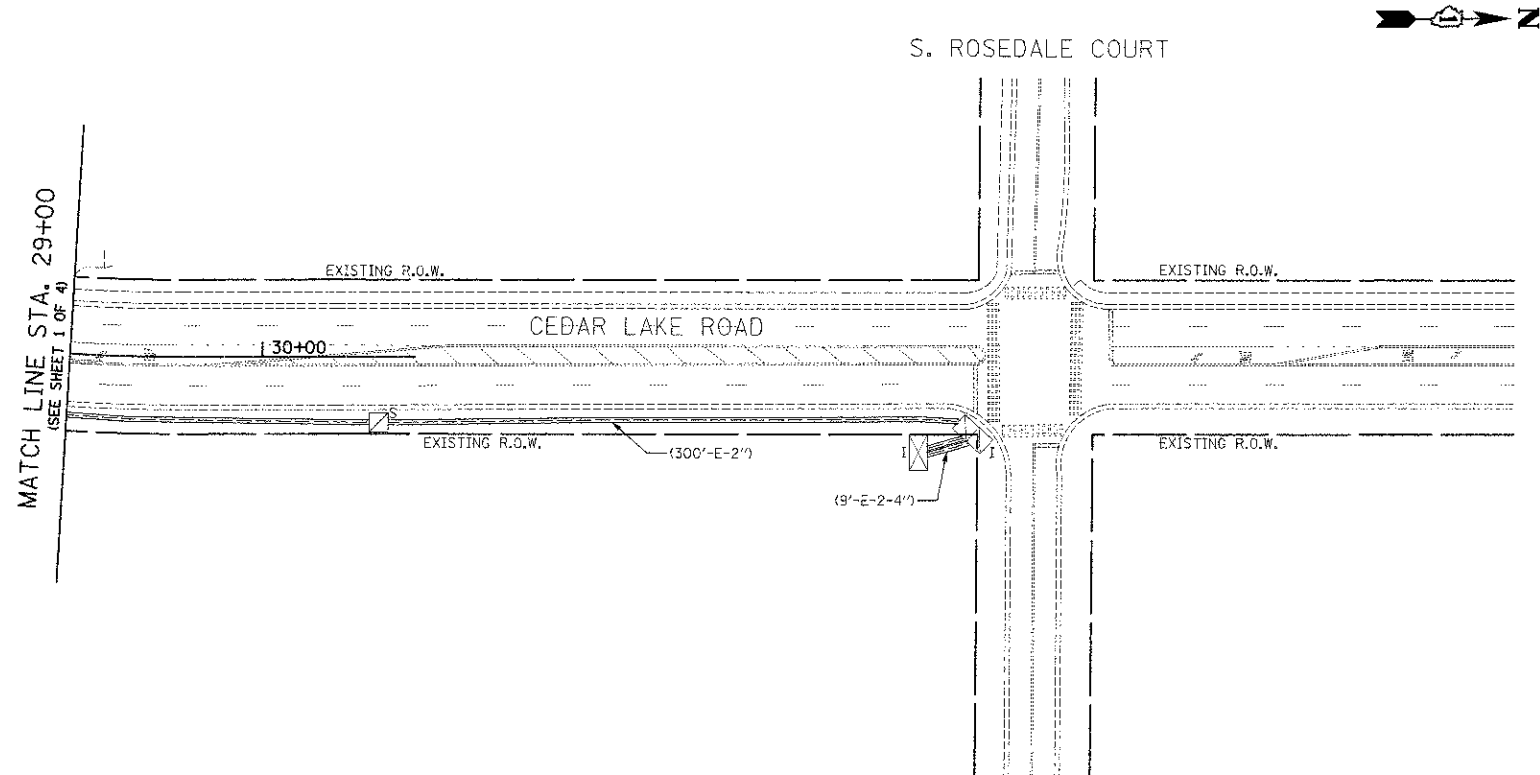
SCALE: 1" = 50'  
SHEET NO. 1 OF 4 SHEETS

**INTERCONNECT PLAN  
CEDAR LAKE ROAD  
HART ROAD TO S. ROSEDALE ROAD**

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	128
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 63765

DATE	
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NOTE BOOK	
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DATE	
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REVIEWED	
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NOTE BOOK	
AREAS CHECKED	



**INTERCONNECT NOTES**

1. THE EMPTY CONDUIT ALONG WASHINGTON STREET FROM CEDAR LAKE ROAD TO WEST OF HAINESVILLE ROAD SHALL INCLUDE A PULL STRING FOR FUTURE FIBER OPTIC CABLE INSTALLATION.

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

RESTORATION OF WORK AREA.  
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DATE - 12/17/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN  
CEDAR LAKE ROAD  
HART ROAD TO S. ROSEDALE ROAD**

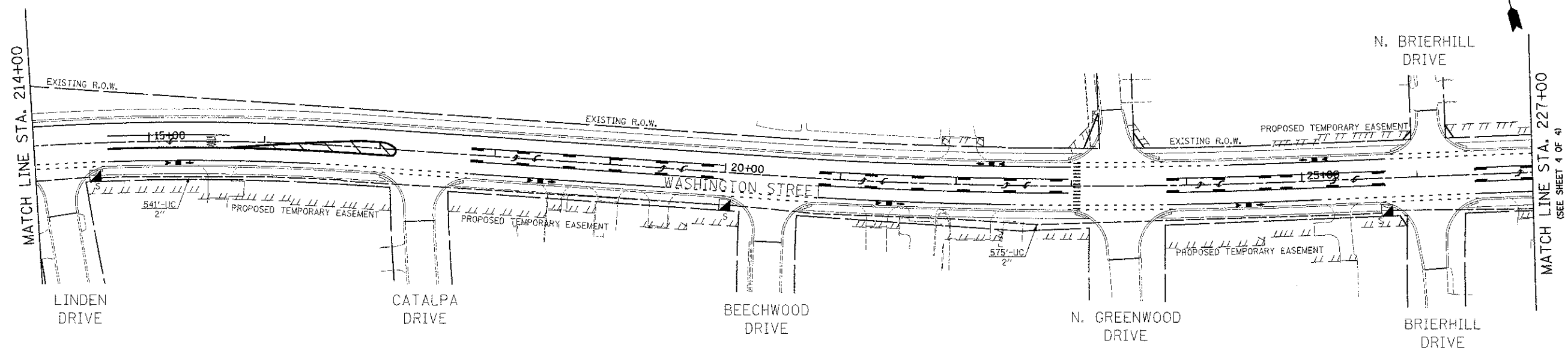
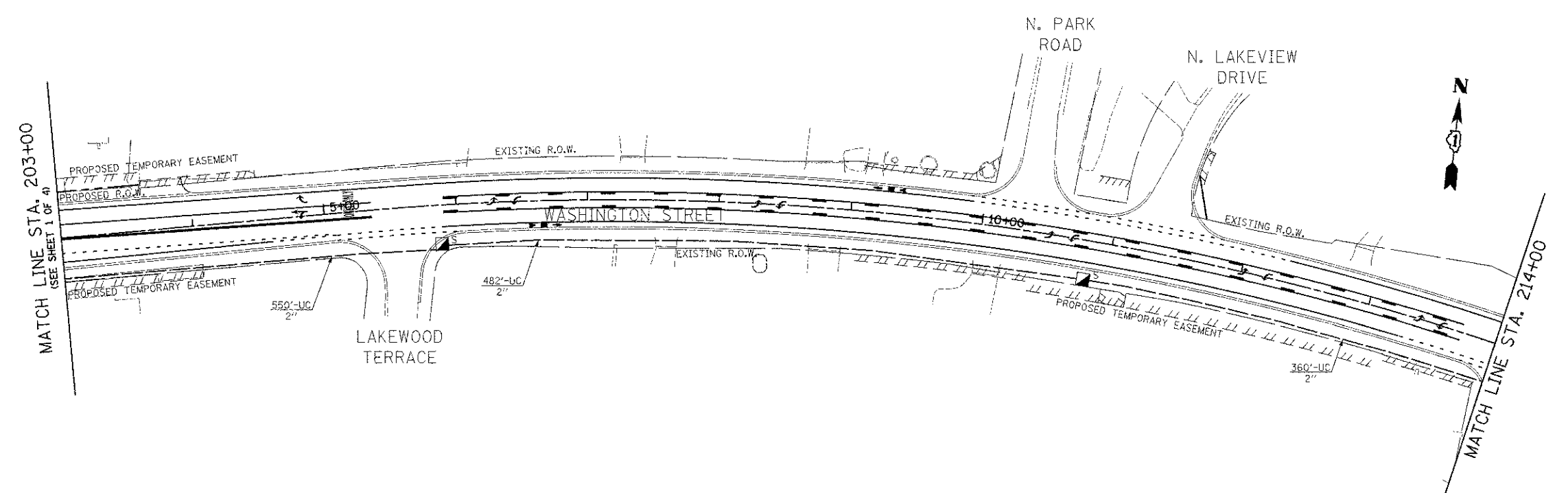
SCALE: 1" = 50'

SHEET NO. 2 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	129
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY	DATE
NOTED	BY
AREAS CHECKED	



**INTERCONNECT NOTES**

- THE EMPTY CONDUIT ALONG WASHINGTON STREET FROM CEDAR LAKE ROAD TO WEST OF HAINESVILLE ROAD SHALL INCLUDE A PULL STRING FOR FUTURE FIBER OPTIC CABLE INSTALLATION.

**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 SALT TOLERANT SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**NOTE:**  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP TO MATCH THE EXISTING ADJACENT SYSTEM.

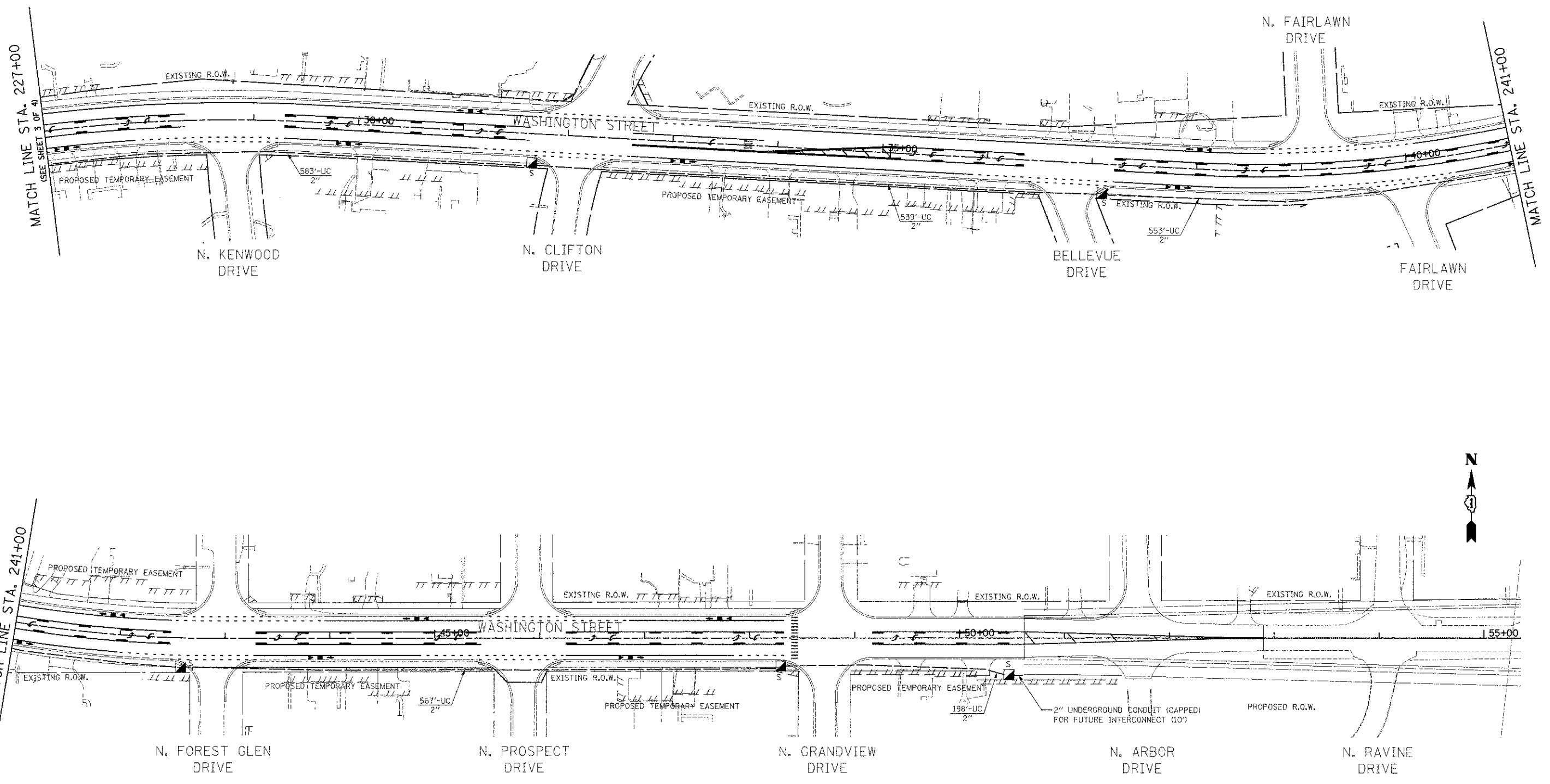
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**DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN**  
**WASHINGTON STREET**  
**CEDAR LAKE ROAD TO HAINESVILLE ROAD**  
 SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	130
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**INTERCONNECT NOTES**

1. THE EMPTY CONDUIT ALONG WASHINGTON STREET FROM CEDAR LAKE ROAD TO WEST OF HAINESVILLE ROAD SHALL INCLUDE A PULL STRING FOR FUTURE FIBER OPTIC CABLE INSTALLATION.

**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 SALT TOLERANT SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**NOTE:**  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTCIP TO MATCH THE EXISTING ADJACENT SYSTEM.

DATE	
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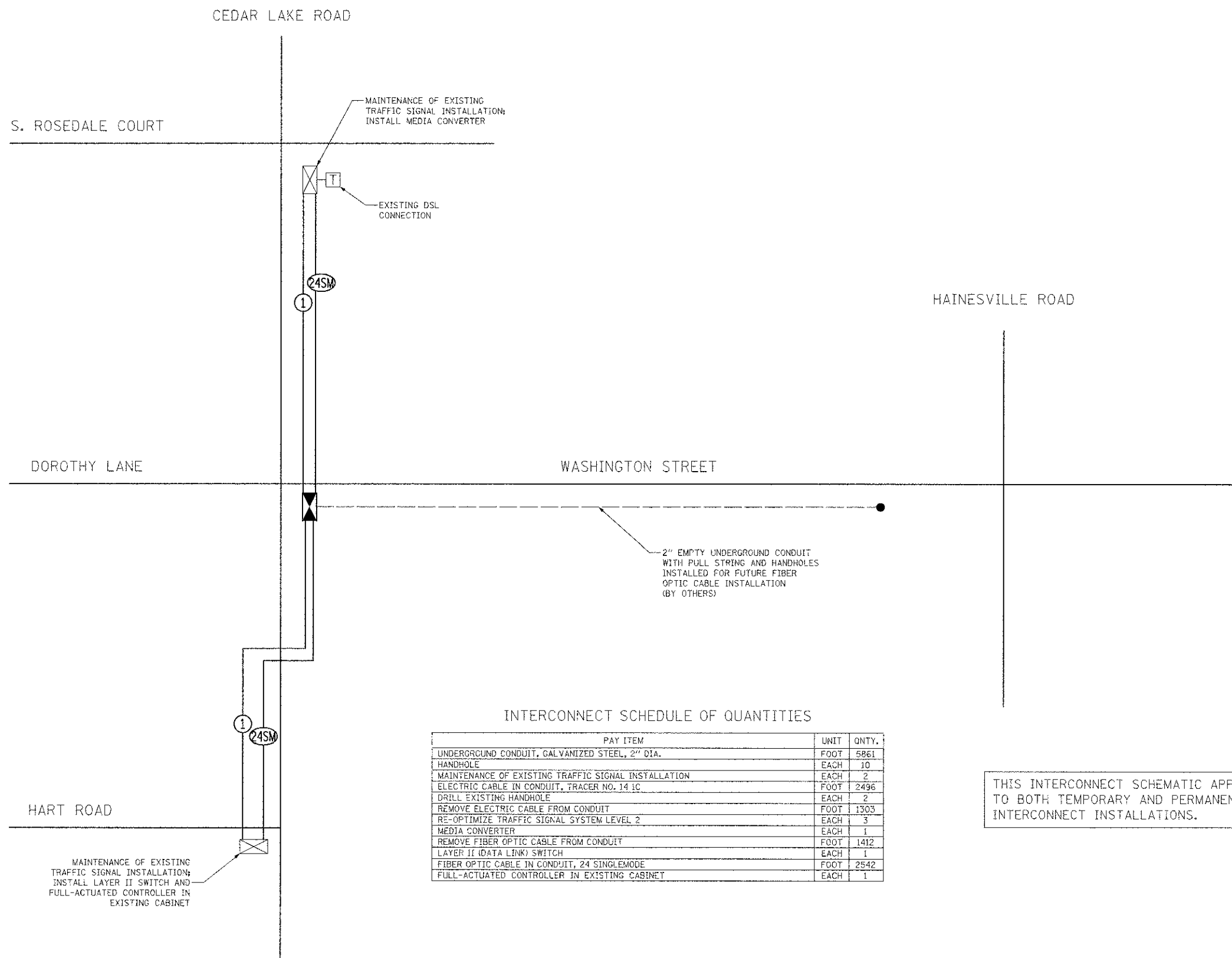
**STATE OF ILLINOIS  
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**INTERCONNECT PLAN  
 WASHINGTON STREET  
 CEDAR LAKE ROAD TO HAINESVILLE ROAD**

SCALE: 1" = 50' SHEET NO. 4 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	131
				CONTRACT NO. 63765
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





INTERCONNECT SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	5861
HANDHOLE	EACH	10
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	2496
DRILL EXISTING HANDHOLE	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1303
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	3
MEDIA CONVERTER	EACH	1
REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	1412
LAYER II (DATA LINK) SWITCH	EACH	1
FIBER OPTIC CABLE IN CONDUIT, 24 SINGLEMODE	FOOT	2542
FULL-ACTUATED CONTROLLER IN EXISTING CABINET	EACH	1

THIS INTERCONNECT SCHEMATIC APPLIES TO BOTH TEMPORARY AND PERMANENT INTERCONNECT INSTALLATIONS.

NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE NTICIP TO MATCH THE EXISTING ADJACENT SYSTEM.

DATE	
BY	
FINAL SURVEY	
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NOTE BOOK	
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DATE	
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DESIGNED	
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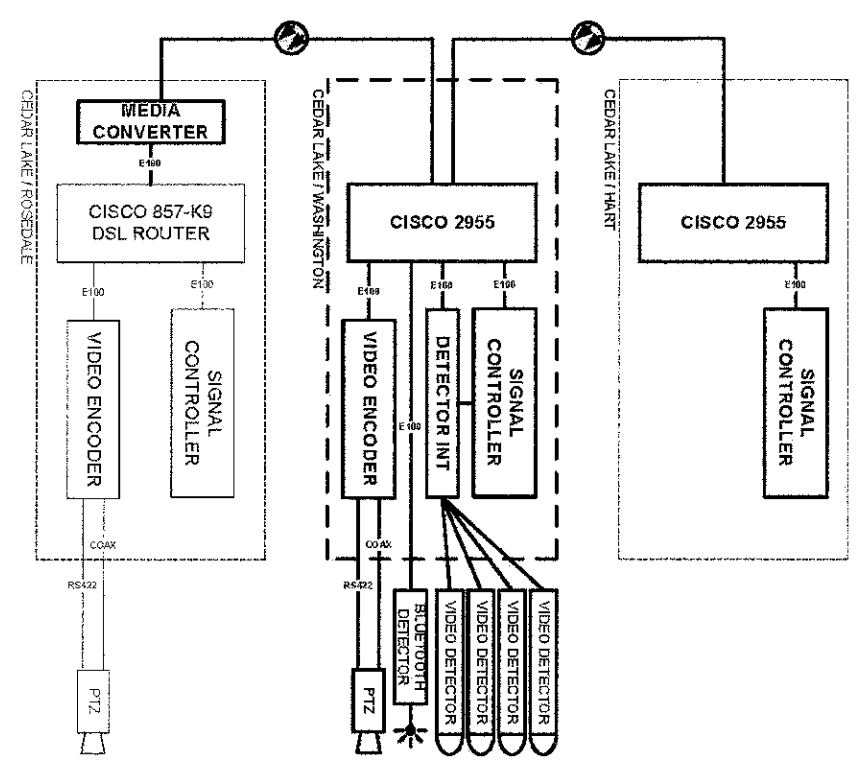
INTERCONNECT SCHEMATIC  
CEDAR LAKE ROAD & WASHINGTON STREET

NO SCALE SHEET NO. 1 OF 1 SHEETS

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	132
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	

DATE		
BY		
REVISIONS		
NO.	DESCRIPTION	DATE
1	DESIGNED	8/12
2	DRAWN	8/12
3	CHECKED	8/12
4	DATE	4/3/13

DATE		
BY		
REVISIONS		
NO.	DESCRIPTION	DATE
1	DESIGNED	8/12
2	DRAWN	8/12
3	CHECKED	8/12
4	DATE	4/3/13



NOTE: THIS CABINET DETAIL APPLIES TO BOTH THE TEMPORARY AND PERMANENT INTERCONNECT INSTALLATIONS



DESIGN	DJG	8/12
DRAWN	DJG	8/12
CHECKED	DJG	8/12
SCALE	NOT TO SCALE	
DATE	4/3/13	

PROJECT NO.	
SHEET OF	
DRAWING NO.	

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DESIGNED	- BRD	REVISED	- 4/10/2013
DRAWN	- MFB	REVISED	-
CHECKED	- JJE	REVISED	-
DATE	- 12/17/2012	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LAKE COUNTY ATMS  
 TRAFFIC SIGNAL CABINET DETAIL  
 WASHINGTON STREET & CEDAR LAKE ROAD**

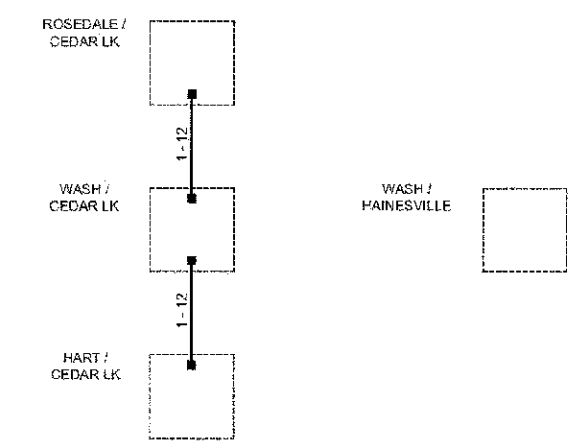
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	133
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

SHEET NO. 1 OF 1 SHEETS

DATE	
BY	
FINAL SURVEY	
REVISIONS	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
REVISIONS	
NO.	

- EXISTING CONNECTOR / EXISTING FIBER
- NEW CONNECTOR / EXISTING FIBER
- EXISTING FUSION SPLICE / EXISTING FIBER
- NEW FUSION SPLICE / EXISTING FIBER
- NEW CONNECTOR / NEW FIBER
- NEW FUSION SPLICE / NEW FIBER

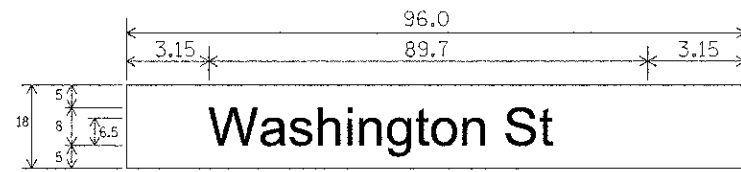


NOTE: THIS SPLICING DIAGRAM APPLIES TO BOTH THE TEMPORARY AND PERMANENT INTERCONNECT INSTALLATIONS

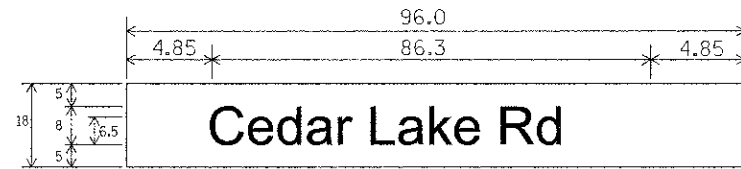
	CLIENT:	DESIGN: DJG 3/12	TITLE: LAKE COUNTY ATMS FINAL DESIGN AND INTEGRATION	PROJECT NO.
		DRAWN: DJG 3/12	FIBER SPLICING DIAGRAM	SHEET NO.
		CHECKED: DJG 3/12	WASHINGTON / CEDAR LAKE	DRAWING NO.
		SCALE: NOT TO SCALE		
		DATE: 3/28/2012		

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS.

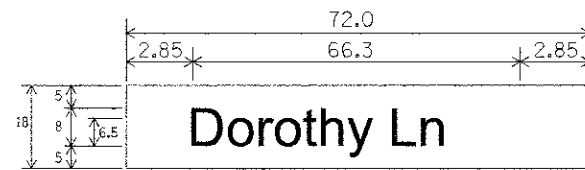
L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGNS



12.0 SQ. FT. EACH  
 1 REQUIRED (DOUBLE SIDED)  
 1 REQUIRED (SINGLE SIDED)  
 CLEARVIEW HWY 5-W-R FONT



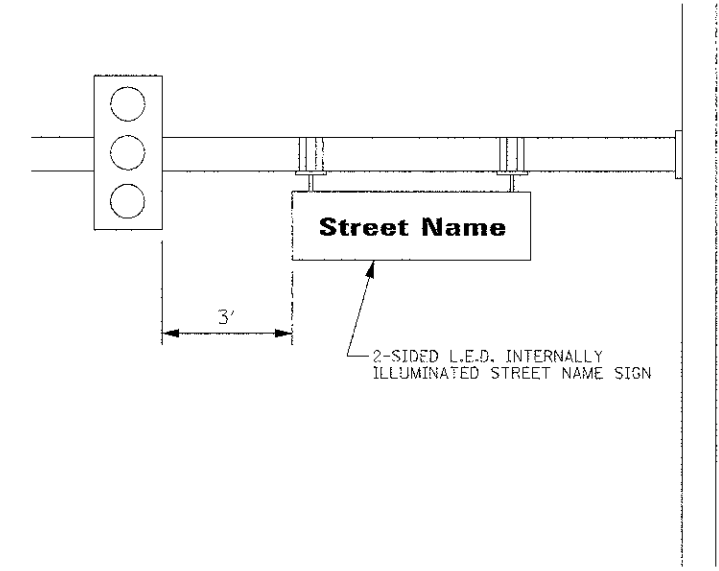
12.0 SQ. FT. EACH  
 2 REQUIRED (DOUBLE SIDED)  
 1 REQUIRED (SINGLE SIDED)  
 CLEARVIEW HWY 5-W-R FONT



9.0 SQ. FT. EACH  
 1 REQUIRED (DOUBLE SIDED)  
 1 REQUIRED (SINGLE SIDED)  
 CLEARVIEW HWY 5-W-R FONT

ALL DIMENSIONS SHOWN IN INCHES

NOTE: L.E.D. ILLUMINATED STREET NAME SIGNS AVAILABLE ONLY IN 2 FOOT INCREMENTS



DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
NO.	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
NO.	

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DESIGNED	- BRD	REVISED	- 4/10/2013
DRAWN	- MFB	REVISED	-
CHECKED	- JJE	REVISED	-
DATE	- 12/17/2012	REVISED	-

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

**MAST ARM MOUNTED**  
**L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN DETAIL**

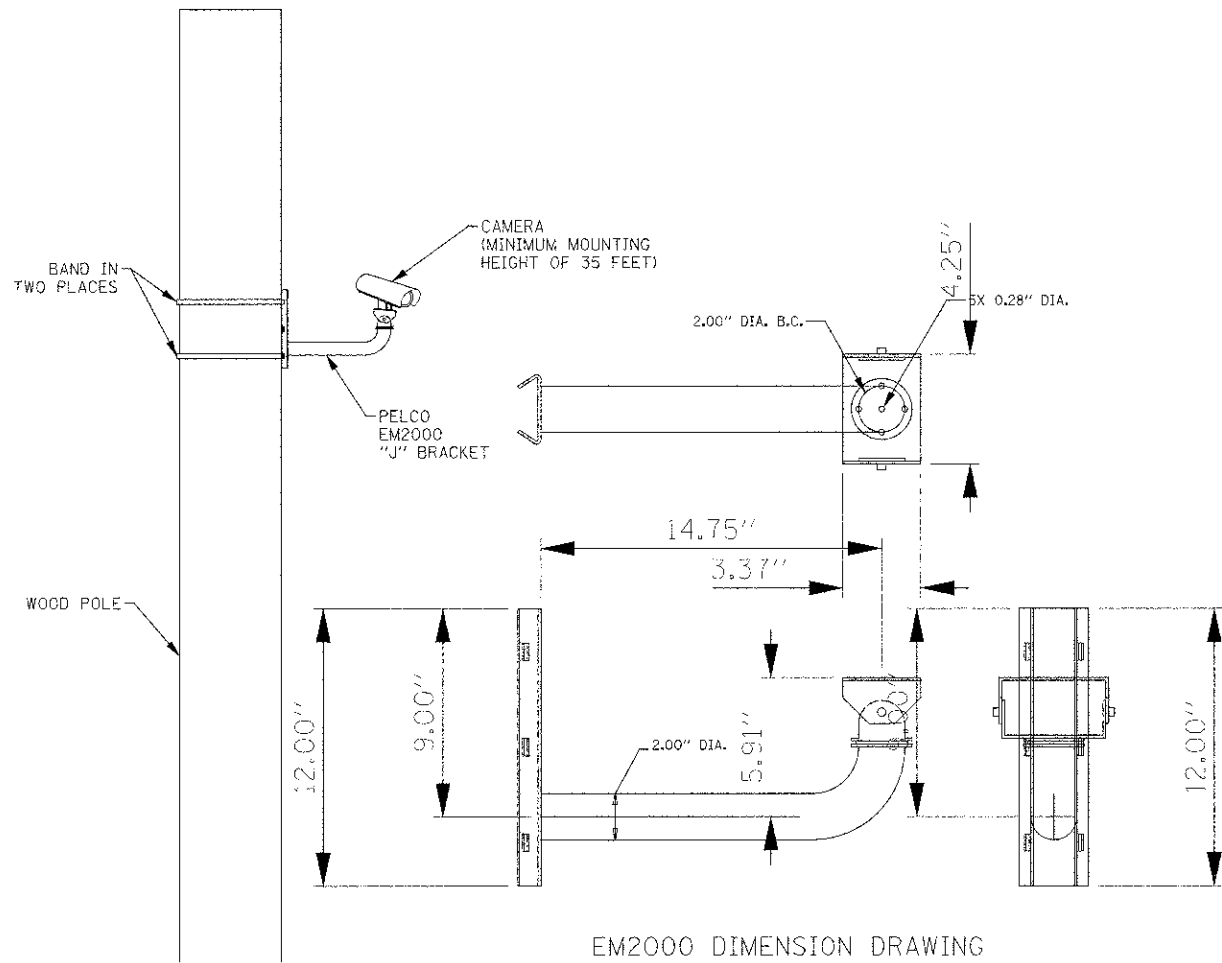
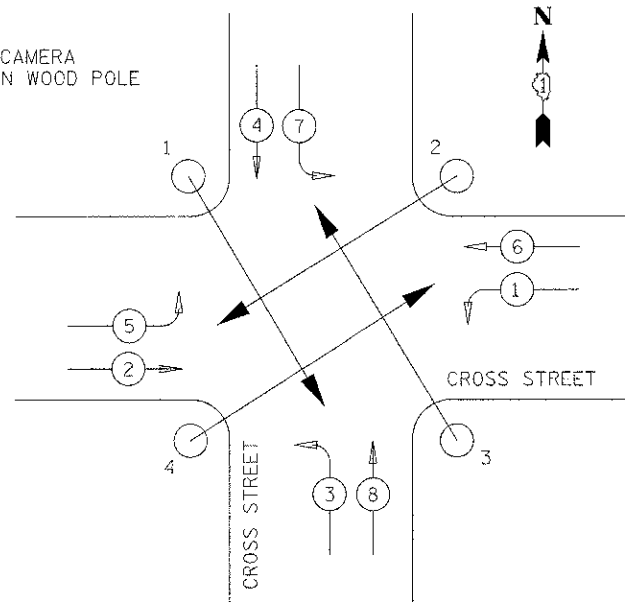
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET
0187	05-00121-07-WR	LAKE	223
			135
CONTRACT NO. 63765			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

NO SCALE SHEET NO. 1 OF 1 SHEETS

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
NO.	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
NO.	

1, 2, 3, 4 CAMERA MOUNTED ON WOOD POLE



EM2000 DIMENSION DRAWING

TEMPORARY CAMERA MOUNTING DETAILS  
(NOT TO SCALE)

REVISIONS	DATE		APPROVED BY: A. KHAWAJA	LC8901
			DATE: APRIL 1, 2007	
		<b>TEMPORARY AUTOSCOPE INSTALLATION</b>		

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DRAWN - MFB	REVISED -
CHECKED - JJE	REVISED -
DATE - 12/17/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

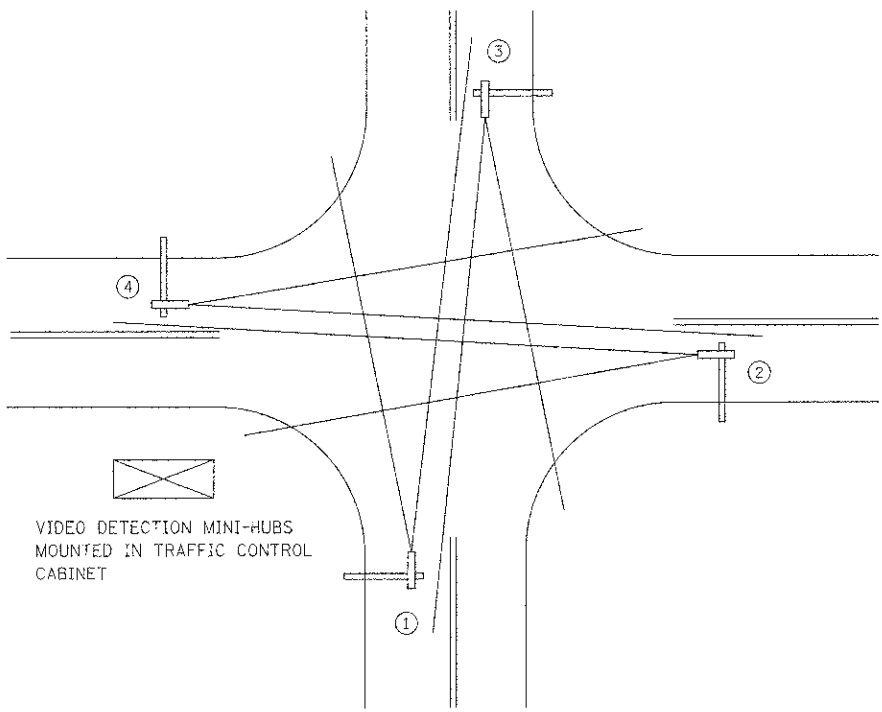
**LCDOT STANDARD 8901  
TEMPORARY AUTOSCOPE INSTALLATION DETAILS**

NO SCALE SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0167	05-00121-07-WR	LAKE	225	136
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

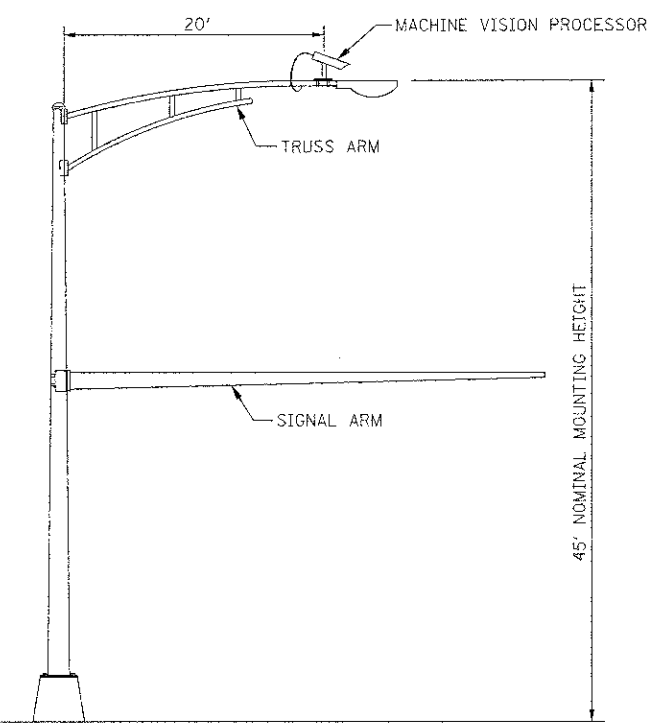
CONTRACT NO. 63765

DATE	
BY	
1. MOUNTED SURVEY PLOTTED TEMPLATE	
NO. 2. SURVEY PLOTTED TEMPLATE	
NO. 3. SURVEY PLOTTED TEMPLATE	
NO. 4. SURVEY PLOTTED TEMPLATE	
NO. 5. SURVEY PLOTTED TEMPLATE	
NO. 6. SURVEY PLOTTED TEMPLATE	
NO. 7. SURVEY PLOTTED TEMPLATE	
NO. 8. SURVEY PLOTTED TEMPLATE	
NO. 9. SURVEY PLOTTED TEMPLATE	
NO. 10. SURVEY PLOTTED TEMPLATE	

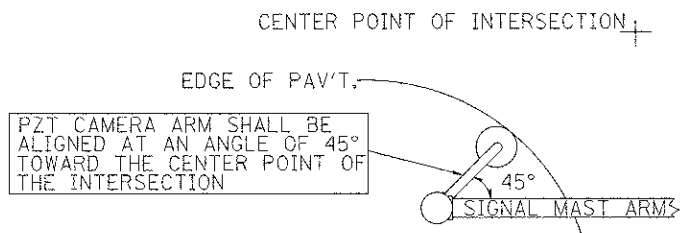


**TYPICAL VIDEO VEHICLE DETECTION SYSTEM**  
(NOT TO SCALE)

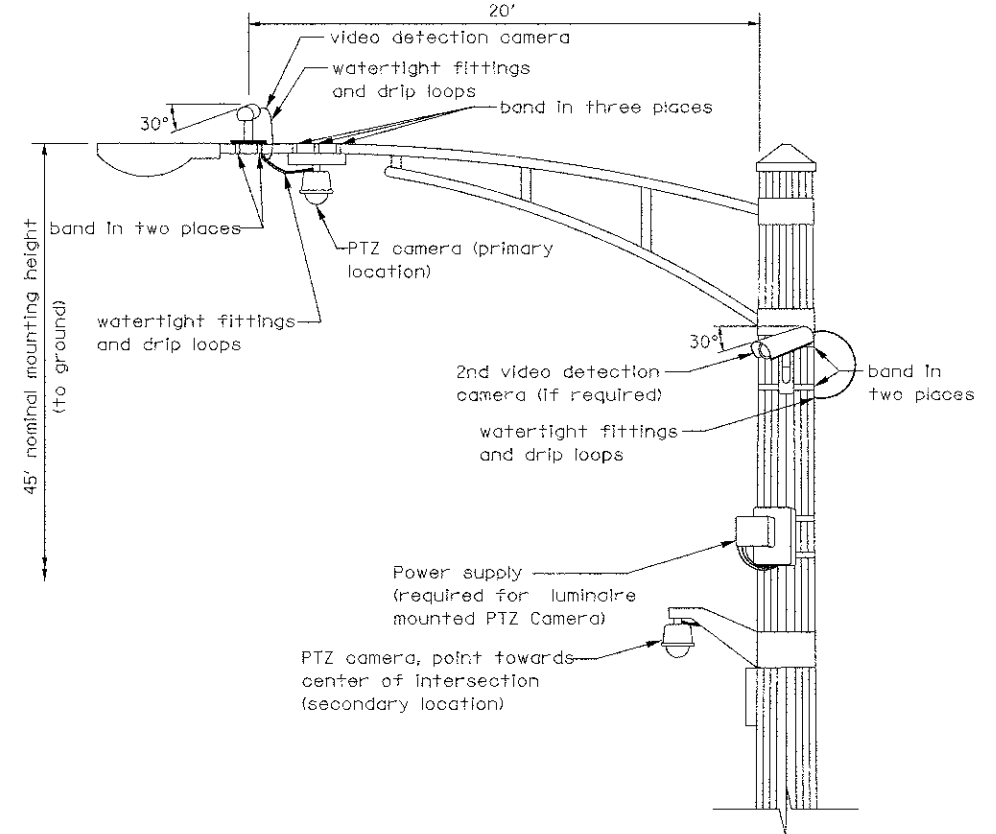
(4) MACHINE VISION PROCESSOR ASSEMBLIES AND BRACKETS ① ② ③ ④  
POWER CABLE TO EACH MACHINE VISION PROCESSOR (24 VAC)



**COMBINATION MAST ARM ASSEMBLY AND POLE DIMENSIONS**  
(NOT TO SCALE)

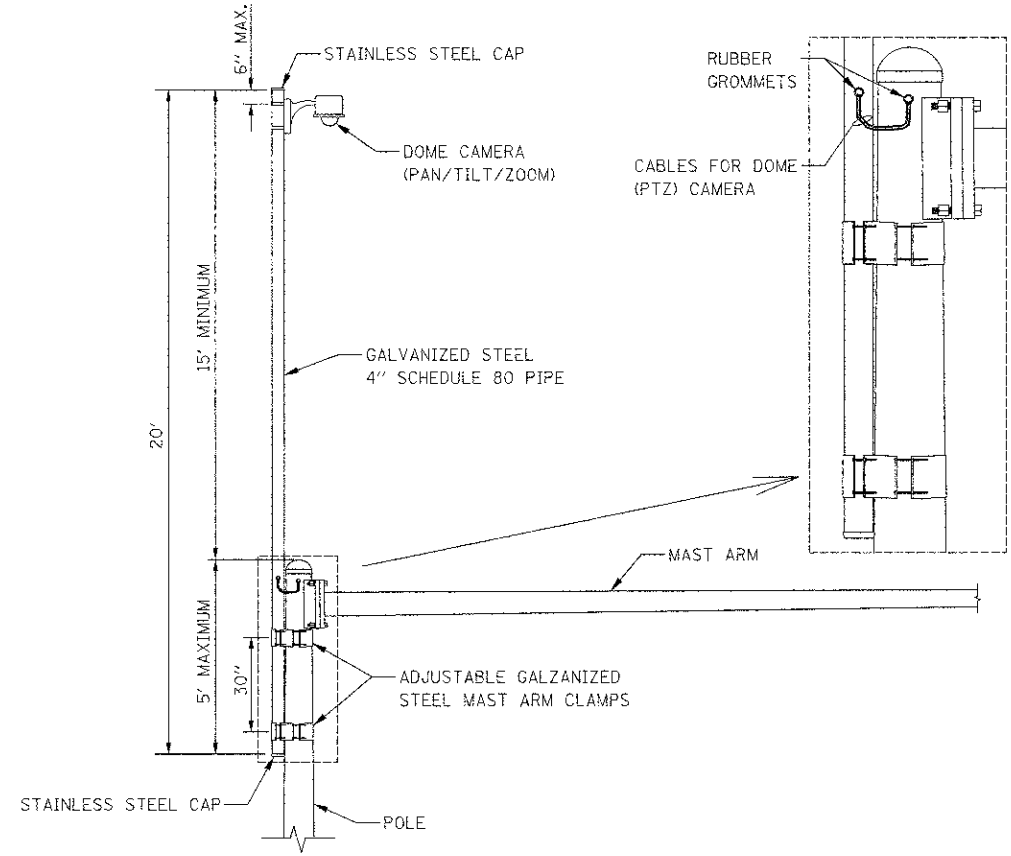


**IMAGE SENSOR MOUNTING DETAILS**  
(NO SCALE)



**VIDEO DETECTION CAMERA(S) AND DOME (PTZ) CAMERA MOUNTING DETAIL**  
(NOT TO SCALE)

NOTES FOR SINGLE, DUAL AND MULTIPLE MVP MOUNTING:  
- MOUNT LUMINAIRE MOUNTING BRACKET AS HIGH AS POSSIBLE.  
- AIM BRACKET TOWARD DIRECTION OF TRAFFIC TO BE DETECTED.  
- MOUNT MACHINE VISION PROCESSOR AIMING DOWN AT 30 DEGREE ANGLE.

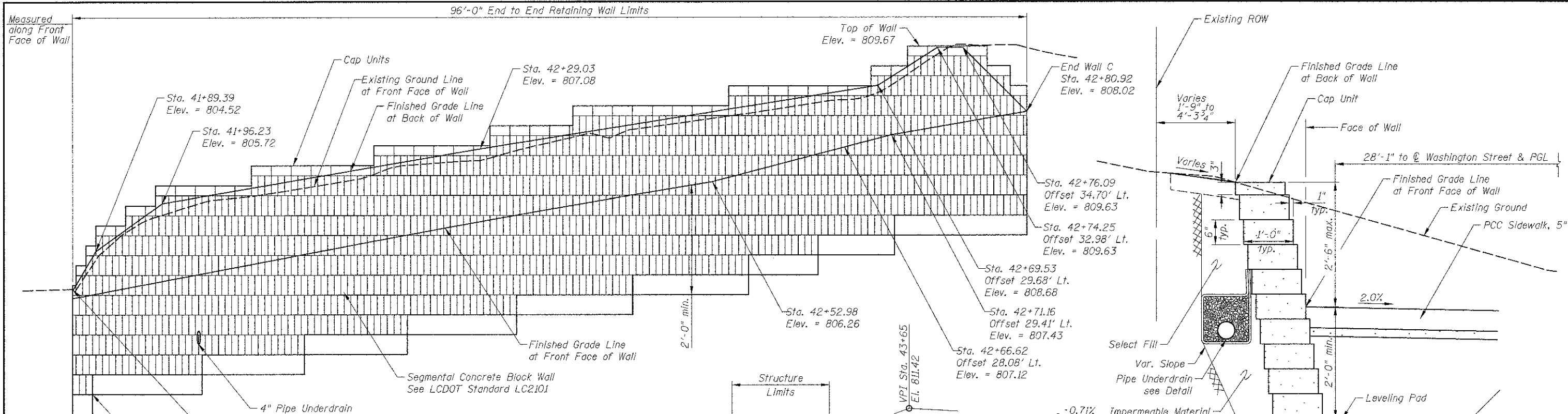


**CAMERA MOUNTING ASSEMBLY DETAIL**  
(NOT TO SCALE)

DATE	
BY	
ORIGINAL SURVEY PLOTTED TEMPLATE	
NO. 1. SURVEY PLOTTED TEMPLATE	
NO. 2. SURVEY PLOTTED TEMPLATE	
NO. 3. SURVEY PLOTTED TEMPLATE	
NO. 4. SURVEY PLOTTED TEMPLATE	
NO. 5. SURVEY PLOTTED TEMPLATE	
NO. 6. SURVEY PLOTTED TEMPLATE	
NO. 7. SURVEY PLOTTED TEMPLATE	
NO. 8. SURVEY PLOTTED TEMPLATE	
NO. 9. SURVEY PLOTTED TEMPLATE	
NO. 10. SURVEY PLOTTED TEMPLATE	

REVISIONS	DATE		APPROVED BY: A. KHAWAJA
Mounting Details Revised	5/1/08		DATE: APRIL 1, 2007
2nd Camera Locat. added	4/14/09		
<b>VIDEO DETECTION DETAILS</b>			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
0187	05-00121-07-WR	LAKE	223 137
			CONTRACT NO. 63765
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			

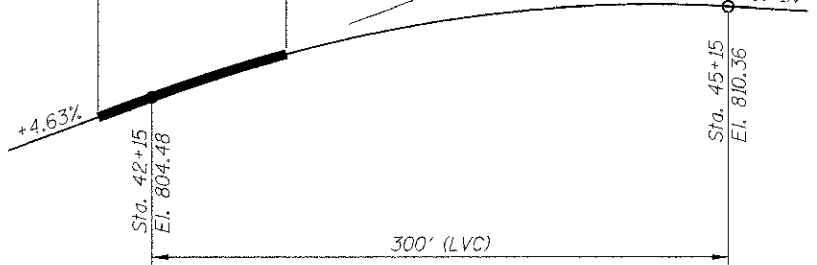




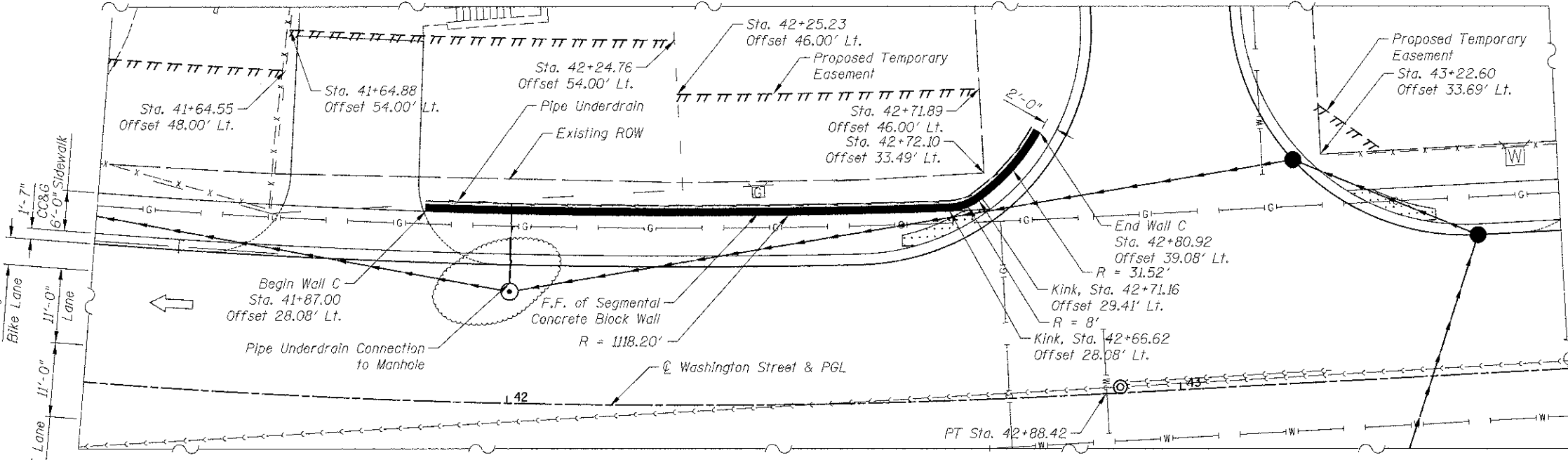
**ELEVATION**  
(Unfolder Elevation  
Looking at Front Face of Wall)

**TOTAL BILL OF MATERIALS**

ITEM	UNIT	TOTAL QUANTITY
Pipe Underdrains for Structures 4"	Foot	106
Segmental Concrete Block Wall	Sq. Ft.	411



**PROPOSED PROFILE  
WASHINGTON STREET**



**PLAN**

Offsets are measured from the  $\phi$  of Washington Street to the Front Face of Segmental Concrete Block Wall



**PIPE UNDERDRAIN DETAIL**

\* Included in the cost of Pipe Underdrains for Structures, 4"

**GENERAL NOTES:**

- Design and installation of segmented concrete block walls (including need for soil reinforcement) to be accordance with wall system Manufacturer Design Requirements and Specifications
- See cross section sheets for additional information

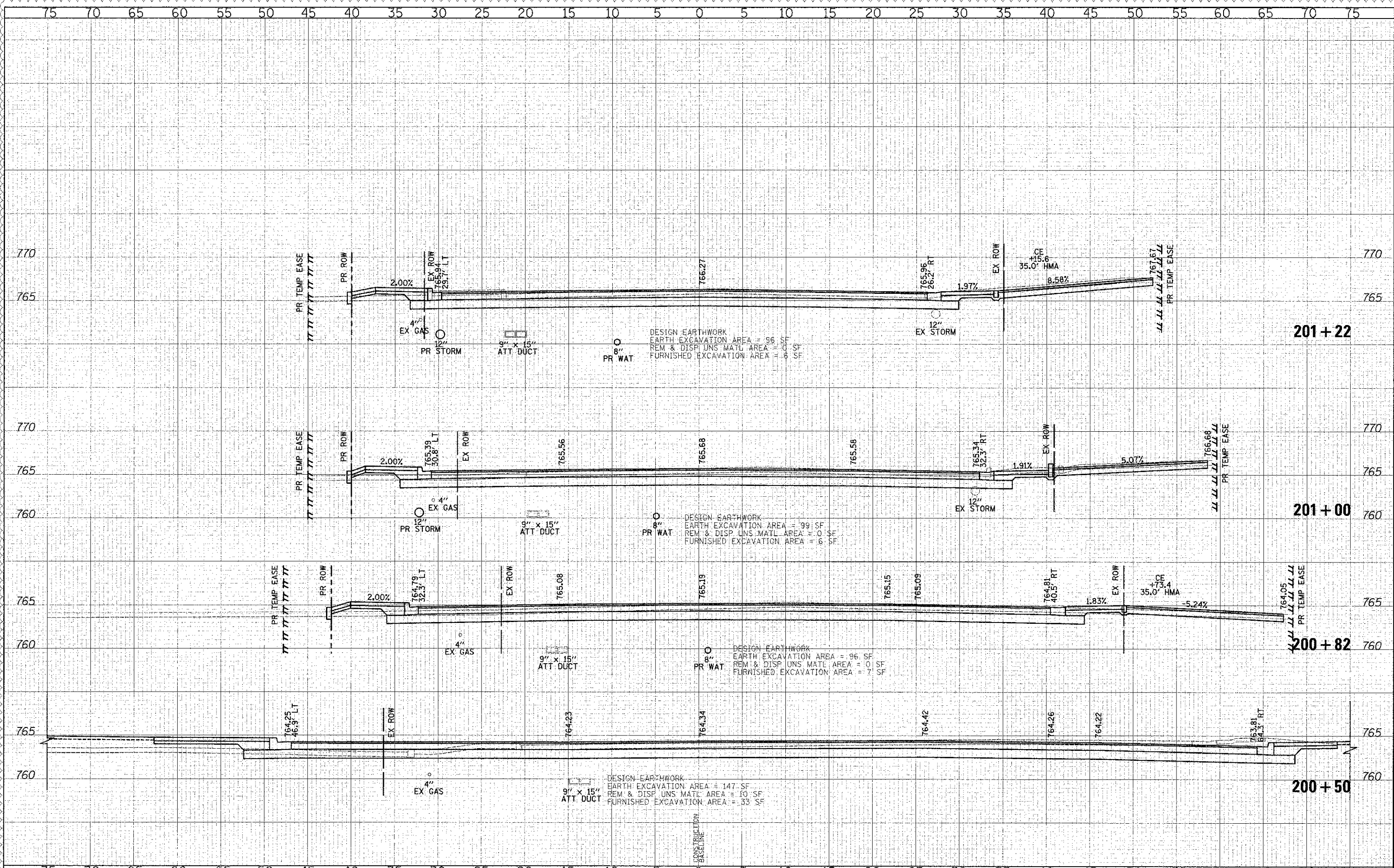
**LEGEND**

- ◆ Soil Borings
- Existing Aerial Lines
- Existing Telephone
- Existing Gasline
- Existing Electrical
- Existing Fiber Optics
- Existing Water Main

PK 4/6/2013  
 6:13:29 PM  
 J:\2449\acad\sheet\14-STR-Wall C\2449\_Wall\_C.dgn

DATE		
BY		
REVISIONS		
NO. 1	DATE	DESCRIPTION
1		DESIGNED - PK
2		DRAWN - JRR
3		CHECKED - RTM
4		DATE - 12/17/2012

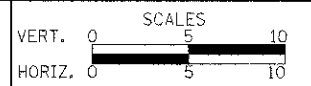
DATE		
BY		
REVISIONS		
NO. 1	DATE	DESCRIPTION
1		DESIGNED - PK
2		DRAWN - JRR
3		CHECKED - RTM
4		DATE - 12/17/2012



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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION



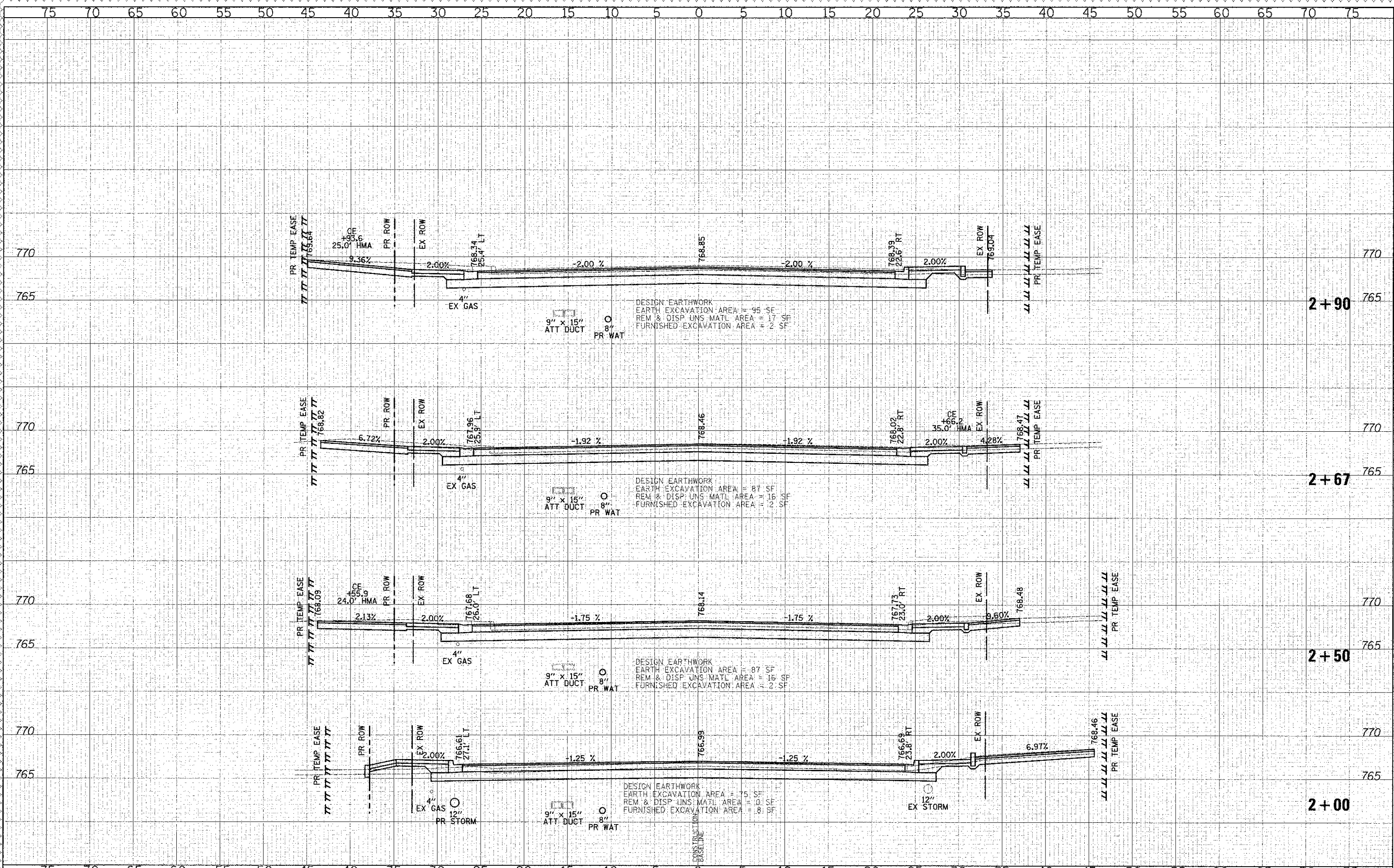
CROSS SECTIONS - WASHINGTON STREET

SHEET NO. 1 OF 49 SHEETS STA. 200+50.00 TO STA. 201+22.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS: NO.
0187	05-00121-07-WR	LAKE	223 168
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765

DATE	
BY	
FILED	
SUBFIELD	
SHOWN	
PLOTTED	
NOTE BOOK	
AREA	
AREA	
AREA	
AREA	
AREA	

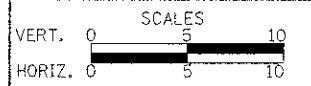
DATE	
BY	
FILED	
SUBFIELD	
SHOWN	
PLOTTED	
NOTE BOOK	
AREA	
AREA	
AREA	
AREA	
AREA	



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DESIGNED - PK	REVISED - 4/10/2013
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**CROSS SECTIONS - WASHINGTON STREET**

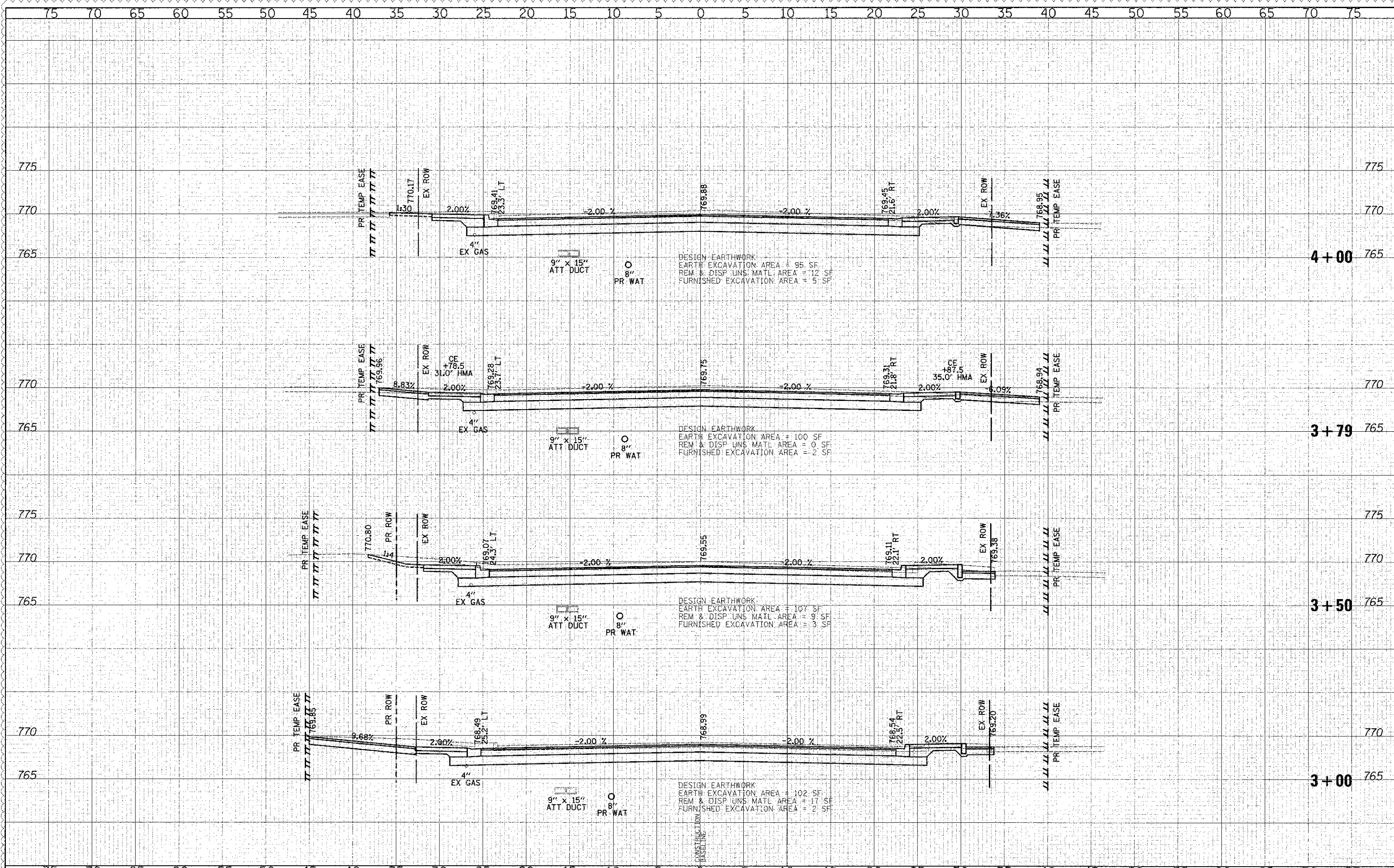
SHEET NO. 2 OF 49 SHEETS STA. 2+00.00 TO STA. 2+90.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	169
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DATE	
BY	
REVISIONS	
1. AM	SURVEYED
2. PM	PLOTTED
3. NM	TEMPLATE
4. OM	ASSETS
5. PM	CHECKED
6. OM	

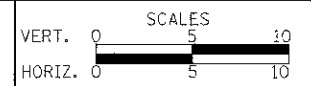
DATE	
BY	
REVISIONS	
1. AM	SURVEYED
2. PM	PLOTTED
3. NM	TEMPLATE
4. OM	ASSETS
5. PM	CHECKED
6. OM	



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DESIGNED	- PK	REVISED	- 4/10/2013
DRAWN	- JRR	REVISED	-
CHECKED	- RTM	REVISED	-
DATE	- 12/17/2012	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



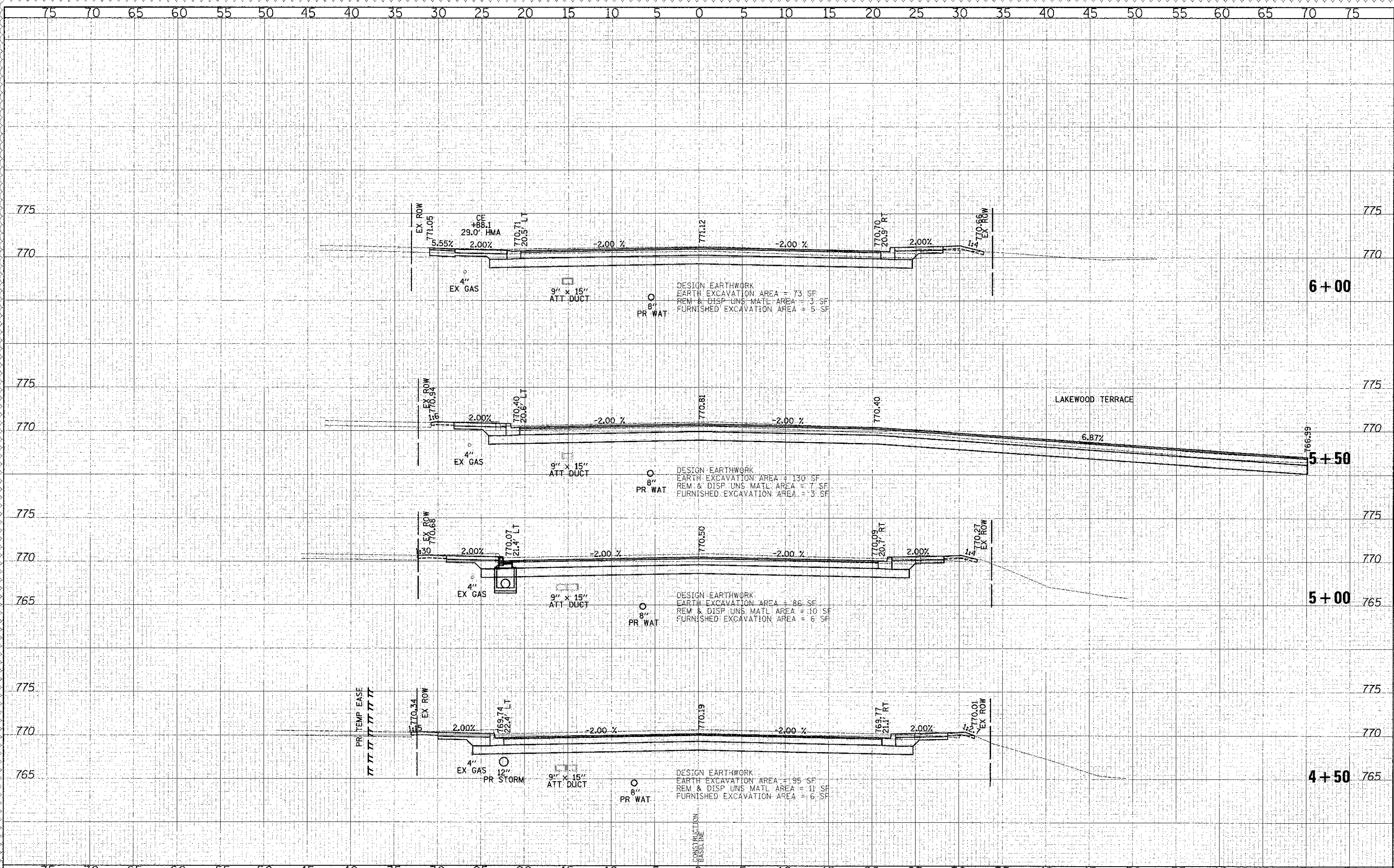
CROSS SECTIONS - WASHINGTON STREET

SHEET NO. 3 OF 49 SHEETS STA. 3+00.00 TO STA. 4+00.00

F.A.U. RFE.	SECTION	COUNTY	TOTAL SHEET NO.
0187	05-00121-07-WR	LAKE	223 170
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

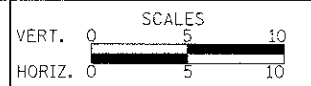
DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_



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DESIGNED - PK	REVISED - 4/10/2013
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**CROSS SECTIONS - WASHINGTON STREET**

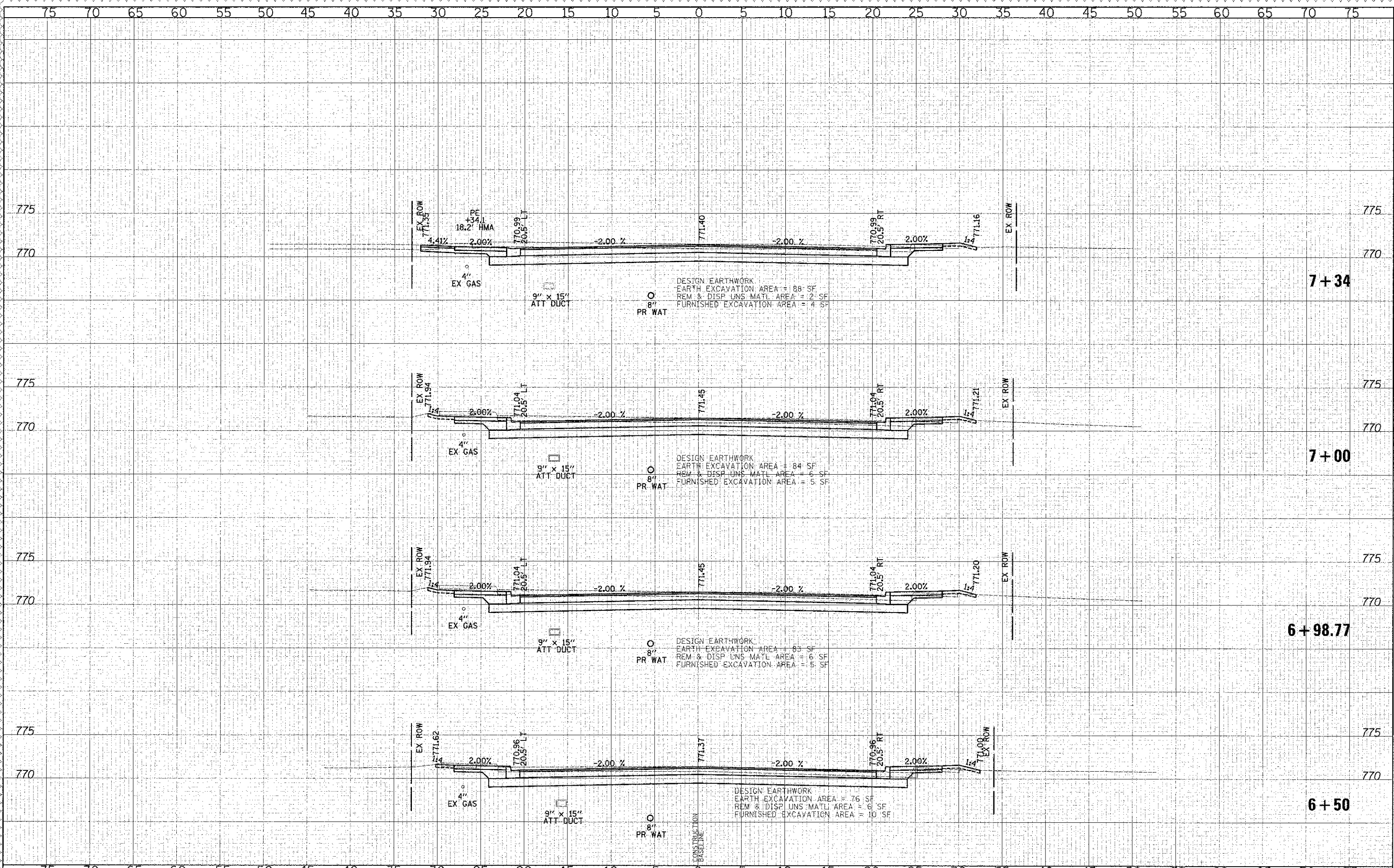
SHEET NO. 4 OF 49 SHEETS STA. 4+50.00 TO STA. 6+00.00

F.A.U. R.T.E. 0187	SECTION 05-00121-07-WR	COUNTY LAKE	TOTAL SHEETS 223	SHEET NO. 171
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	



DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	

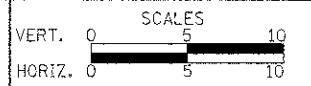
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	



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DESIGNED - PK	REVISED - 4/10/2013
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**CROSS SECTIONS - WASHINGTON STREET**

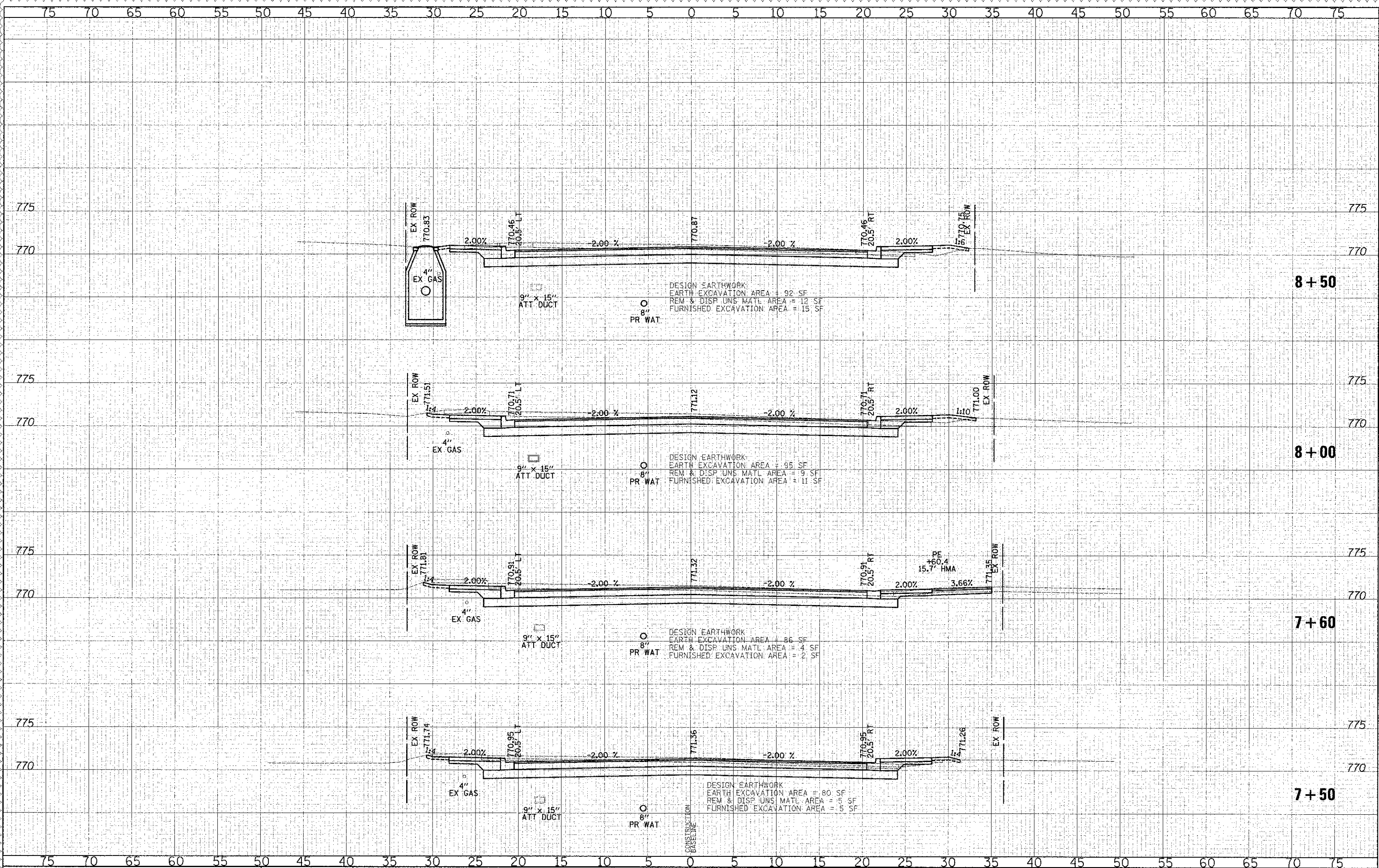
SHEET NO. 5 OF 49 SHEETS STA. 6+50.00 TO STA. 7+34.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	172
CONTRACT NO. 63765			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



DATE	
BY	
REVISIONS	
1	DESIGNED - PK
2	DRAWN - JRR
3	CHECKED - RTM
4	DATE - 12/17/2012

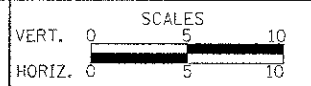
DATE	
BY	
REVISIONS	
1	DESIGNED - PK
2	DRAWN - JRR
3	CHECKED - RTM
4	DATE - 12/17/2012



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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



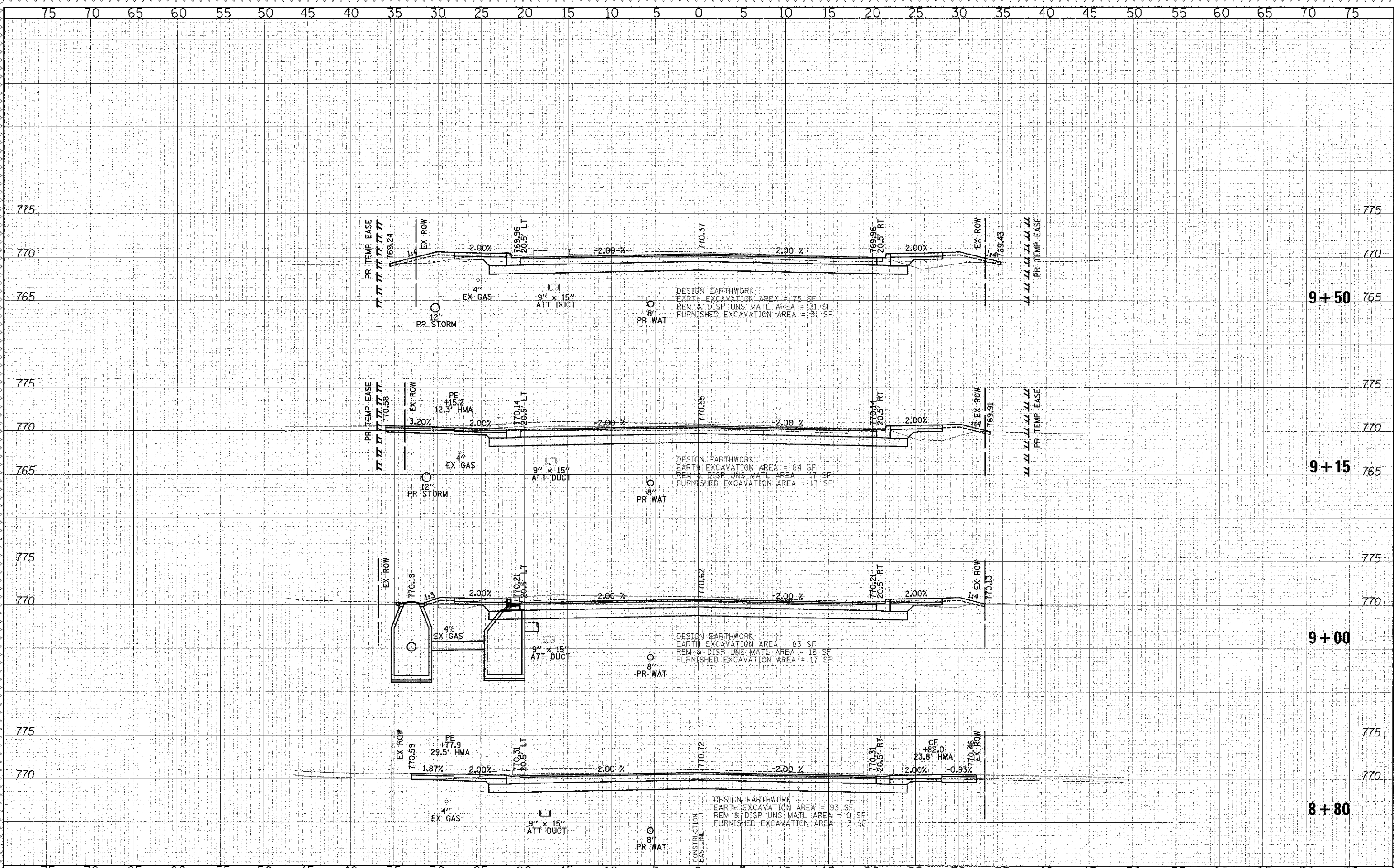
**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 6 OF 49 SHEETS STA. 7+50.00 TO STA. 8+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	173
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_



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DESIGNED - PK  
 DRAWN - JRR  
 CHECKED - RTM  
 DATE - 12/17/2012

REVISED - 4/10/2013  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

VERT. 0 5 10  
 HORIZ. 0 5 10

SCALES  
 1" = 5' (VERT)  
 1" = 10' (HORIZ)

**CROSS SECTIONS - WASHINGTON STREET**

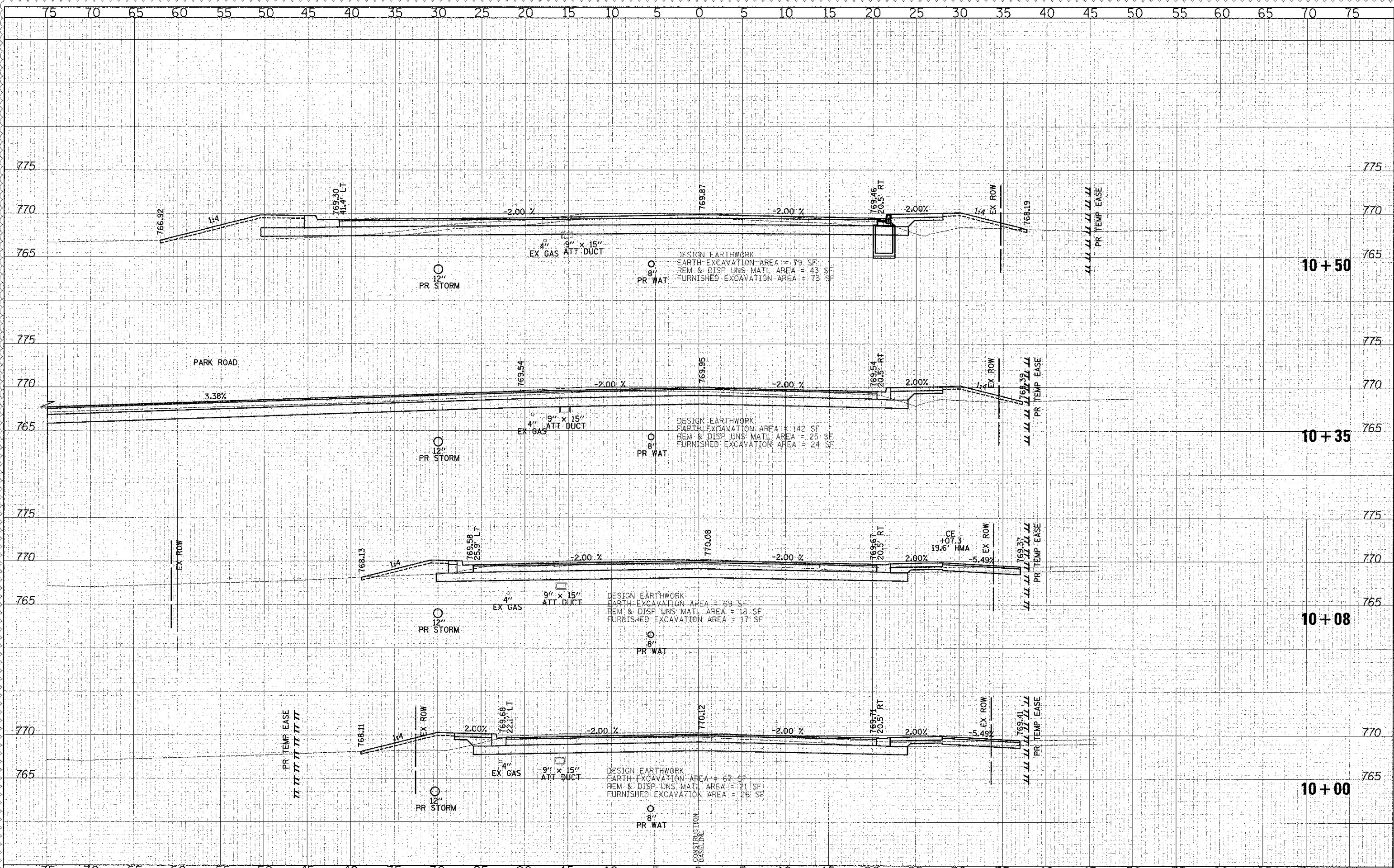
SHEET NO. 7 OF 49 SHEETS | STA. 8+80.00 TO STA. 9+50.00

F.A.U. RTE. 0187	SECTION 05-00121-07-WR	COUNTY LAKE	TOTAL SHEETS 223	SHEET NO. 174
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	



FINAL SURVEY PLOTTED  
 DATE: 12/17/2012  
 SURVEY NO. 100  
 AREA CHECKED

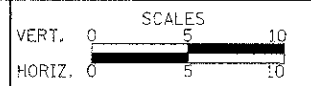
ORIGINAL SURVEY PLOTTED  
 DATE: 12/17/2012  
 SURVEY NO. 100  
 AREA CHECKED



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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



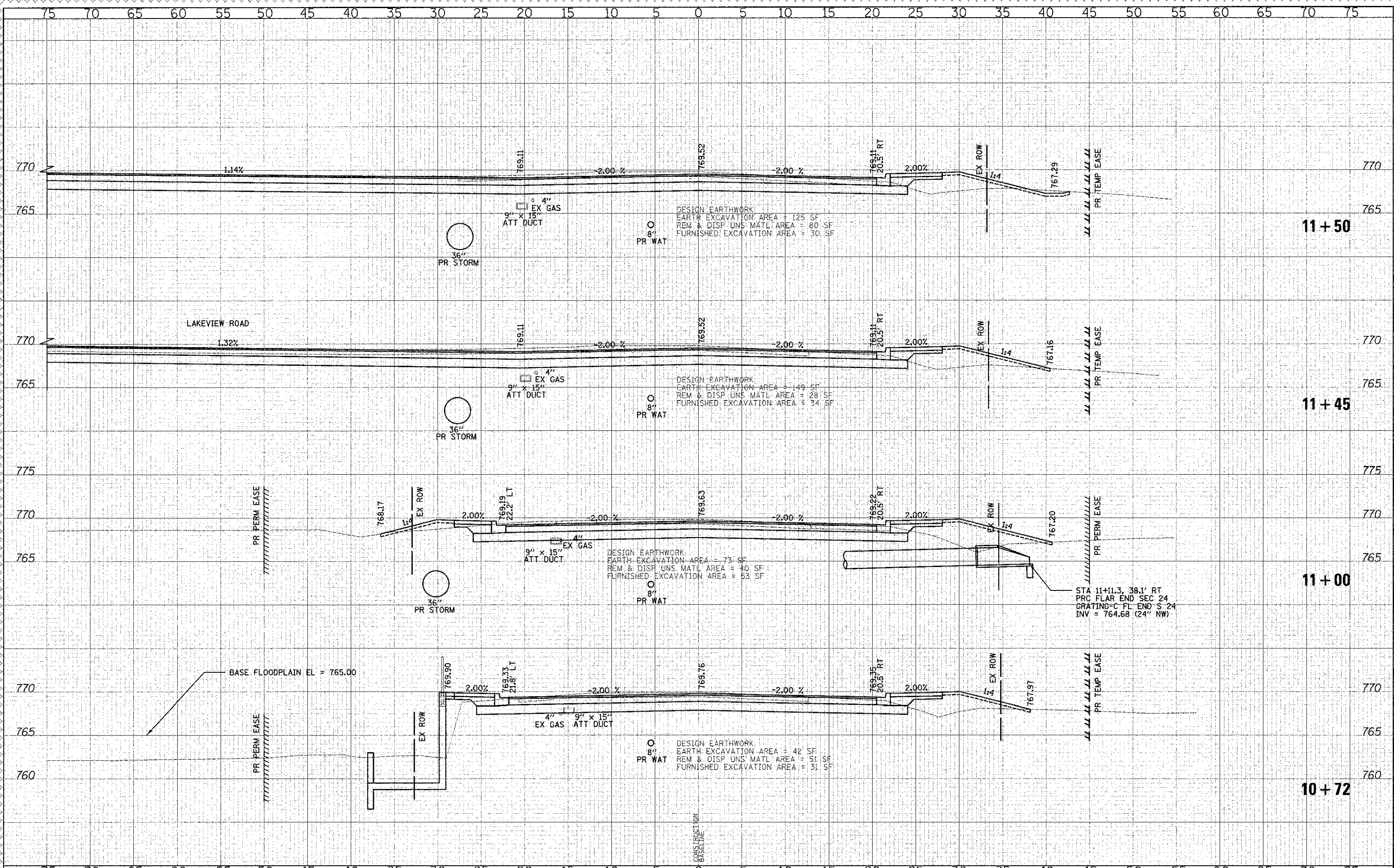
**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 8 OF 49 SHEETS | STA. 10+00.00 TO STA. 10+50.00

F.A.U. RTE. 0187	SECTION 05-00121-07-WR	COUNTY LAKE	TOTAL SHEETS 223	SHEET NO. 175
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1   ILLINOIS, FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
PLANNED SURVEY	
NOTED BOOK	
AREAS CHECKED	

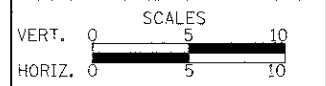
DATE	
BY	
PREPARED SURVEY	
PLANNED SURVEY	
NOTED BOOK	
AREAS CHECKED	



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CHECKED -	RTM	REVISED -	
DATE -	12/17/2012	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 9 OF 49 SHEETS | STA. 10+72.00 TO STA. 11+50.00

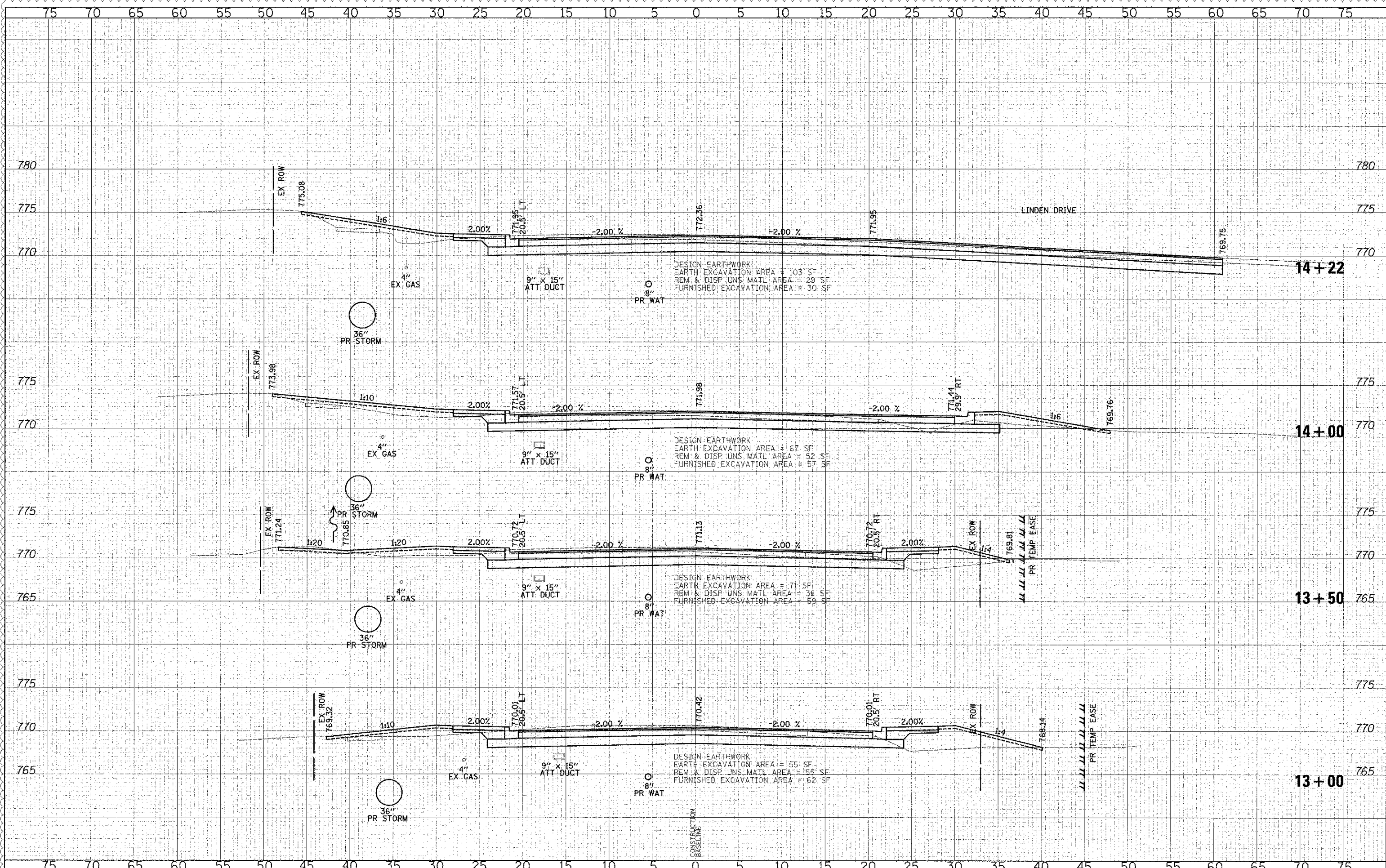
P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	176
FED. ROAD DIST. NO. 1				ILLINOIS FED. AID PROJECT
CONTRACT NO. 63765				





DATE	
BY	
FINAL SURVEY	
NOTED SURVEY	
PLOTTED	
TEMPLATE	
NOTED BOOK	
AREAS CHECKED	

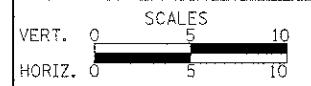
DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
PLOTTED	
TEMPLATE	
NOTED BOOK	
AREAS CHECKED	



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**STATE OF ILLINOIS  
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**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 11 OF 49 SHEETS STA. 13+00.00 TO STA. 14+22.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	118
CONTRACT NO. 63765				

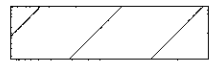
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT



DATE	
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DESIGNED	
DRAWN	
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DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

**LEGEND**



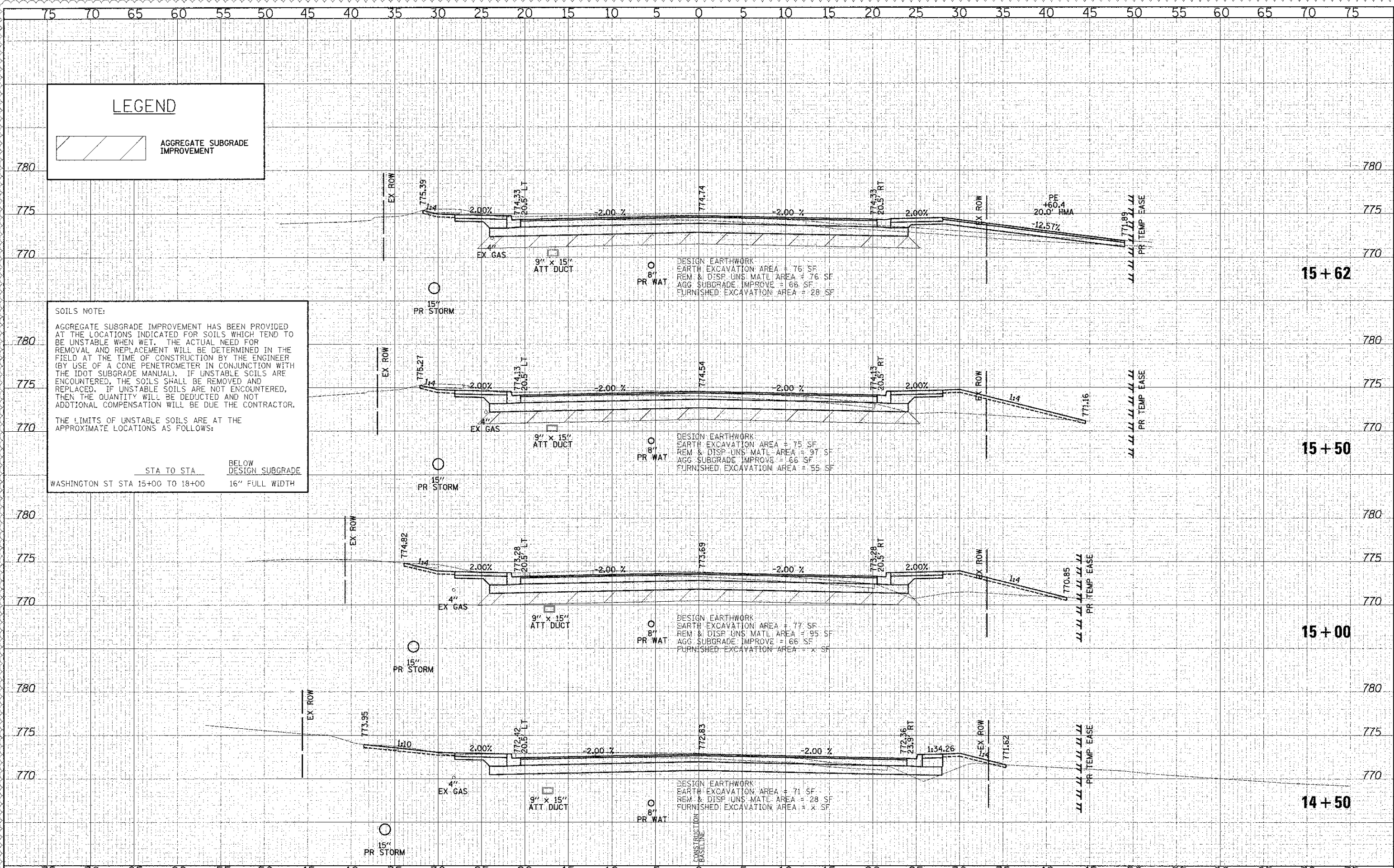
AGGREGATE SUBGRADE IMPROVEMENT

**SOILS NOTE:**

AGGREGATE SUBGRADE IMPROVEMENT HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT 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. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NOT ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

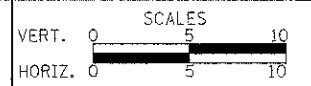
THE LIMITS OF UNSTABLE SOILS ARE AT THE APPROXIMATE LOCATIONS AS FOLLOWS:

STA TO STA	BELOW DESIGN SUBGRADE
WASHINGTON ST STA 15+00 TO 18+00	16" FULL WIDTH



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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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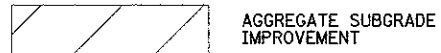


**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 12 OF 49 SHEETS | STA. 14+50.00 TO STA. 15+62.00

P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
0187	05-00121-07-WR	LAKE	223
			SHEET NO. 179
CONTRACT NO. 63765			
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			

**LEGEND**



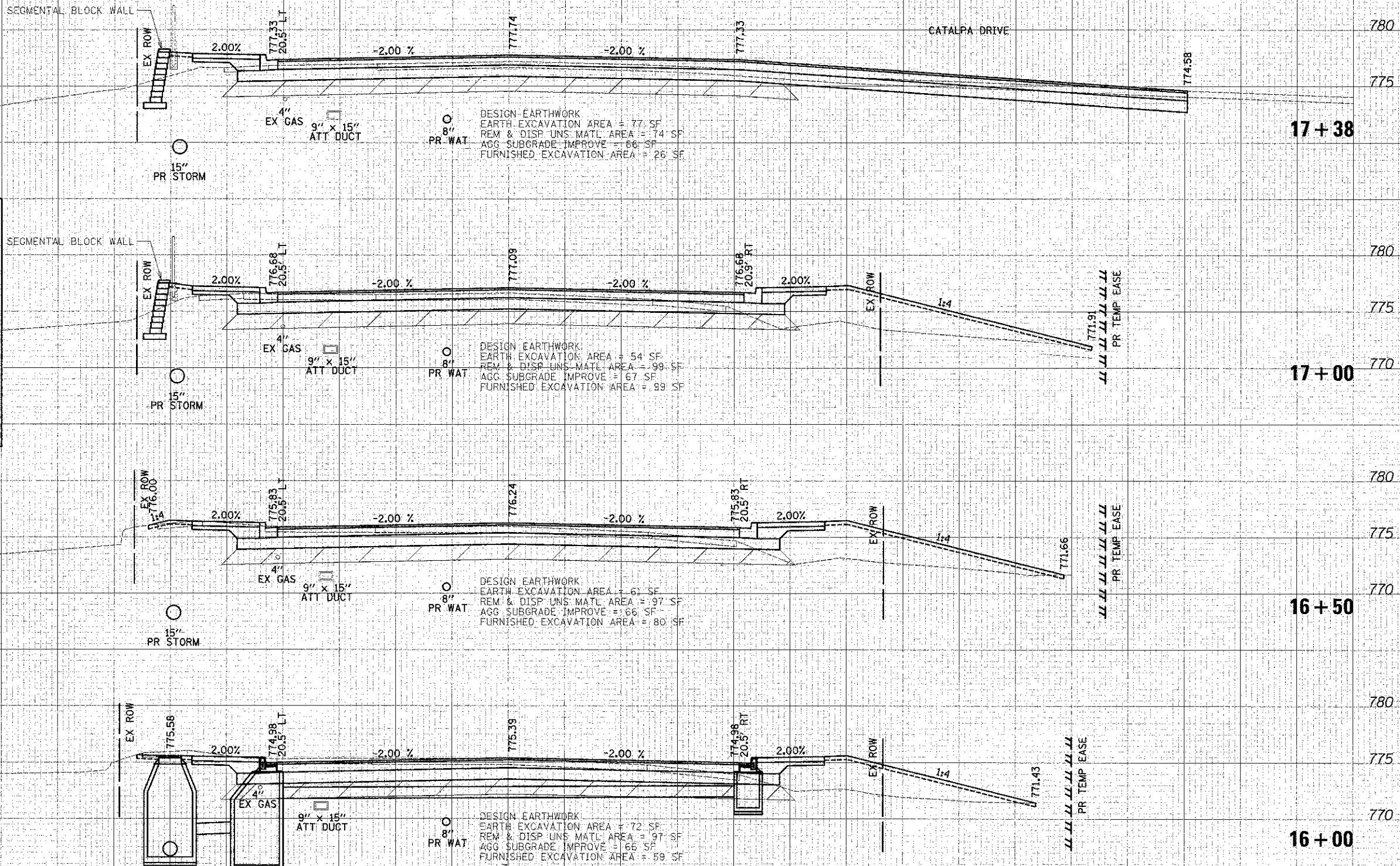
AGGREGATE SUBGRADE IMPROVEMENT

**SOILS NOTE:**

AGGREGATE SUBGRADE IMPROVEMENT HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT 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. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NOT ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

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

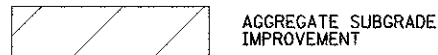
STA TO STA      BELOW DESIGN SUBGRADE  
WASHINGTON ST STA 15+00 TO 18+00      16" FULL WIDTH



DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DESIGNED: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 NO. \_\_\_\_\_



**LEGEND**



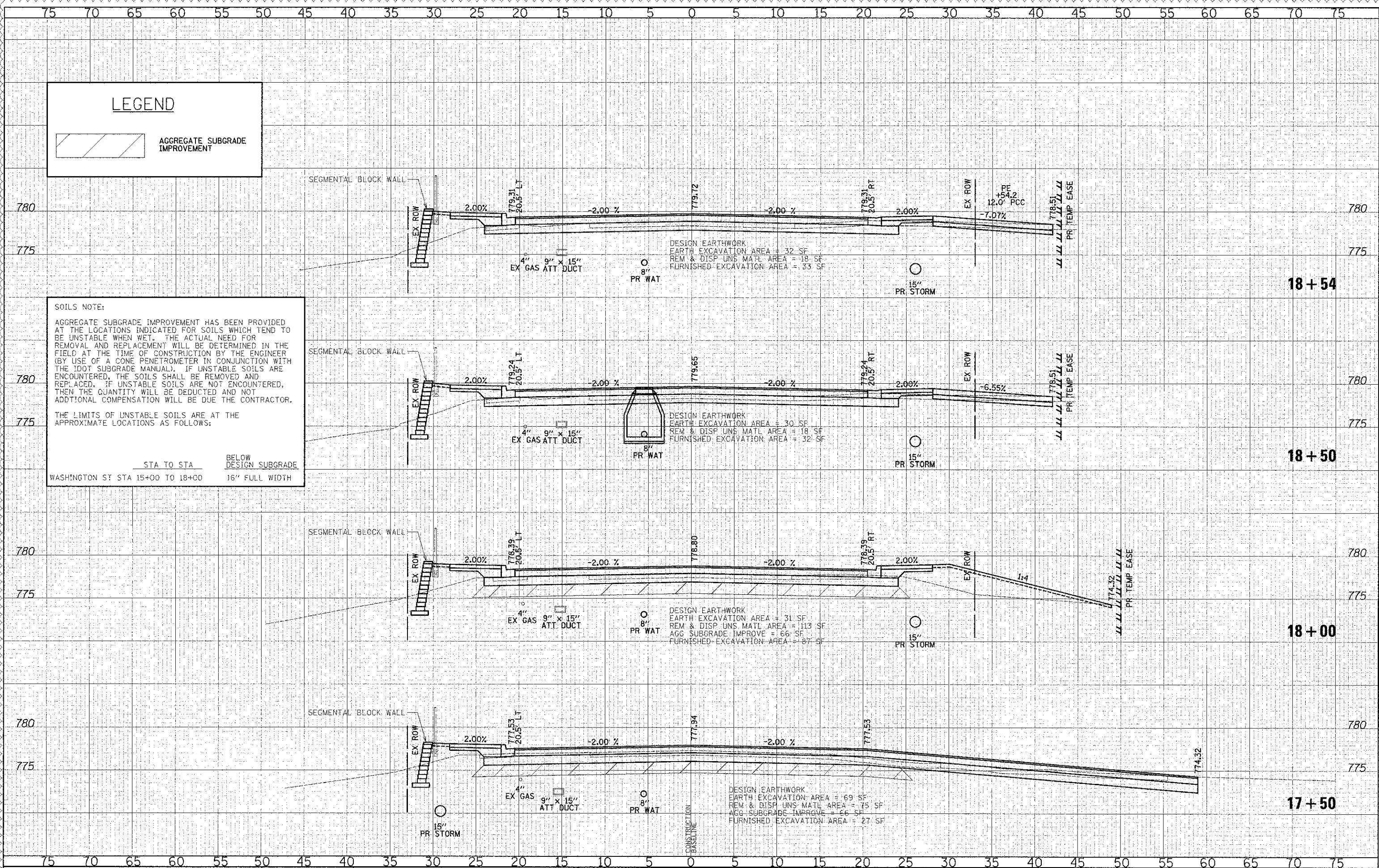
AGGREGATE SUBGRADE IMPROVEMENT

**SOILS NOTE:**

AGGREGATE SUBGRADE IMPROVEMENT HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT 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. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NOT ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

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

STA TO STA BELOW DESIGN SUBGRADE  
WASHINGTON ST STA 15+00 TO 18+00 16" FULL WIDTH



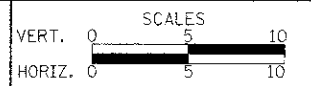
DATE	
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SURVEYED	
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PLOTTED	
SUBMITTED	
SURVEYED	
FINAL	

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CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**



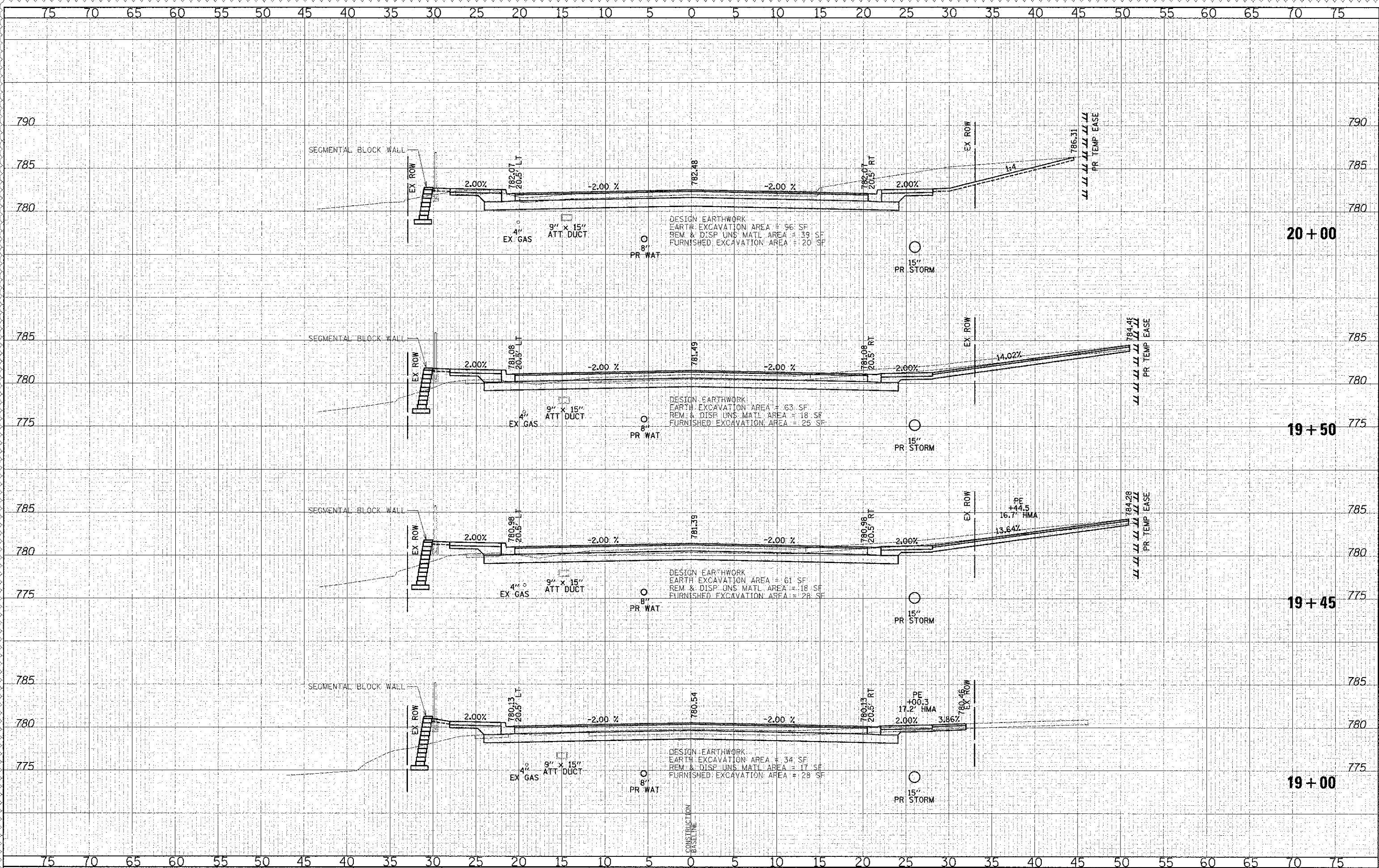
**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 14 OF 49 SHEETS STA. 17+50.00 TO STA. 18+54.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	181
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	BY
DESIGNED	PK
DRAWN	JRR
CHECKED	RTM
DATE	12/17/2012

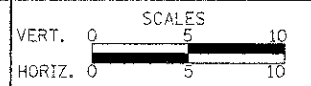
DATE	BY
DESIGNED	PK
DRAWN	JRR
CHECKED	RTM
DATE	12/17/2012



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CHECKED	- RTM	REVISED	-
DATE	- 12/17/2012	REVISED	-

**STATE OF ILLINOIS  
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**CROSS SECTIONS - WASHINGTON STREET**

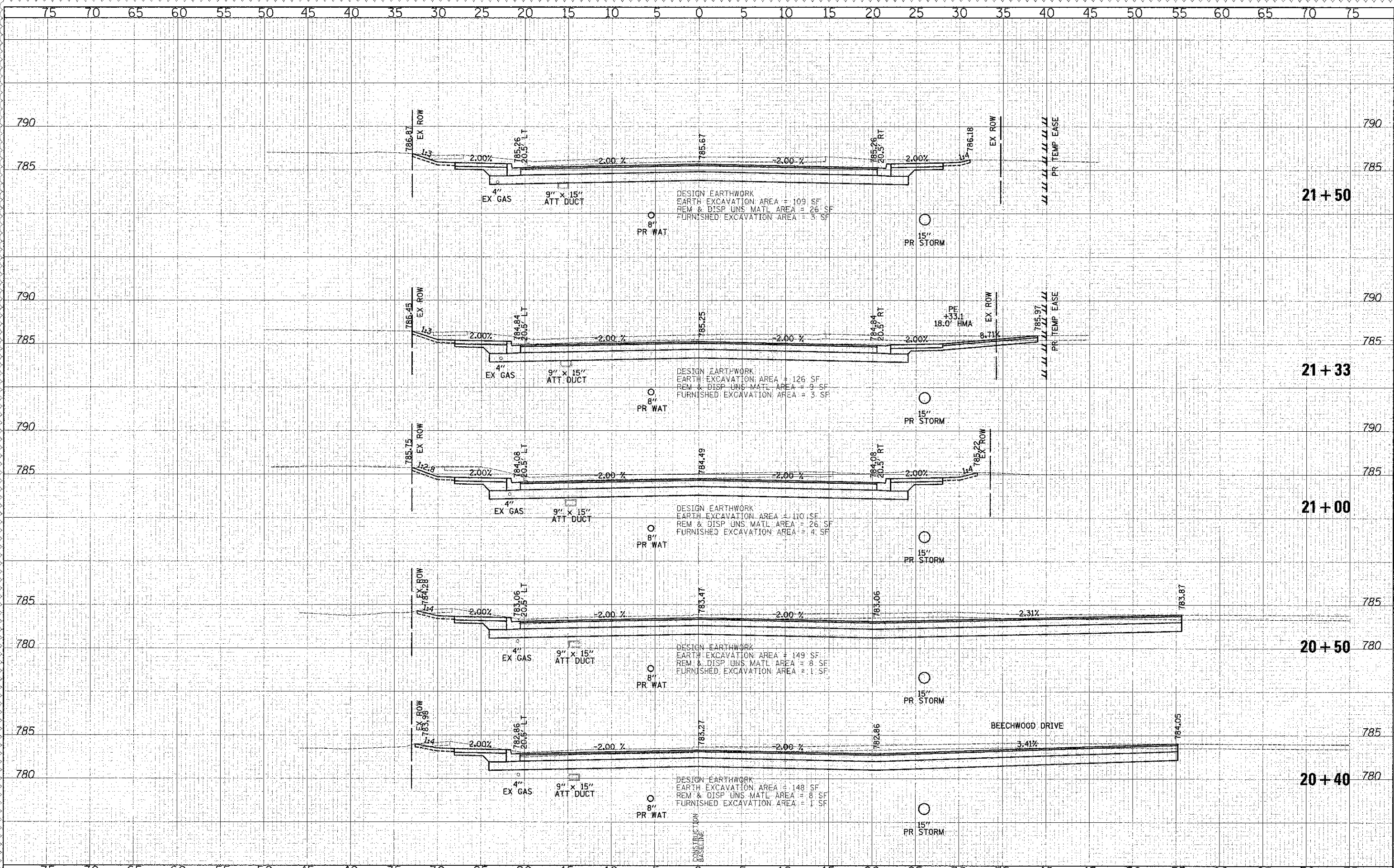
SHEET NO. 15 OF 49 SHEETS STA. 19+00.00 TO STA. 20+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	182
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_  
 AREA: \_\_\_\_\_  
 DATE: \_\_\_\_\_

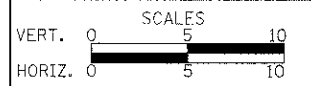
DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_  
 AREA: \_\_\_\_\_  
 DATE: \_\_\_\_\_



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DRAWN	JRR	REVISED	-
CHECKED	RTM	REVISED	-
DATE	12/17/2012	REVISED	-

**STATE OF ILLINOIS  
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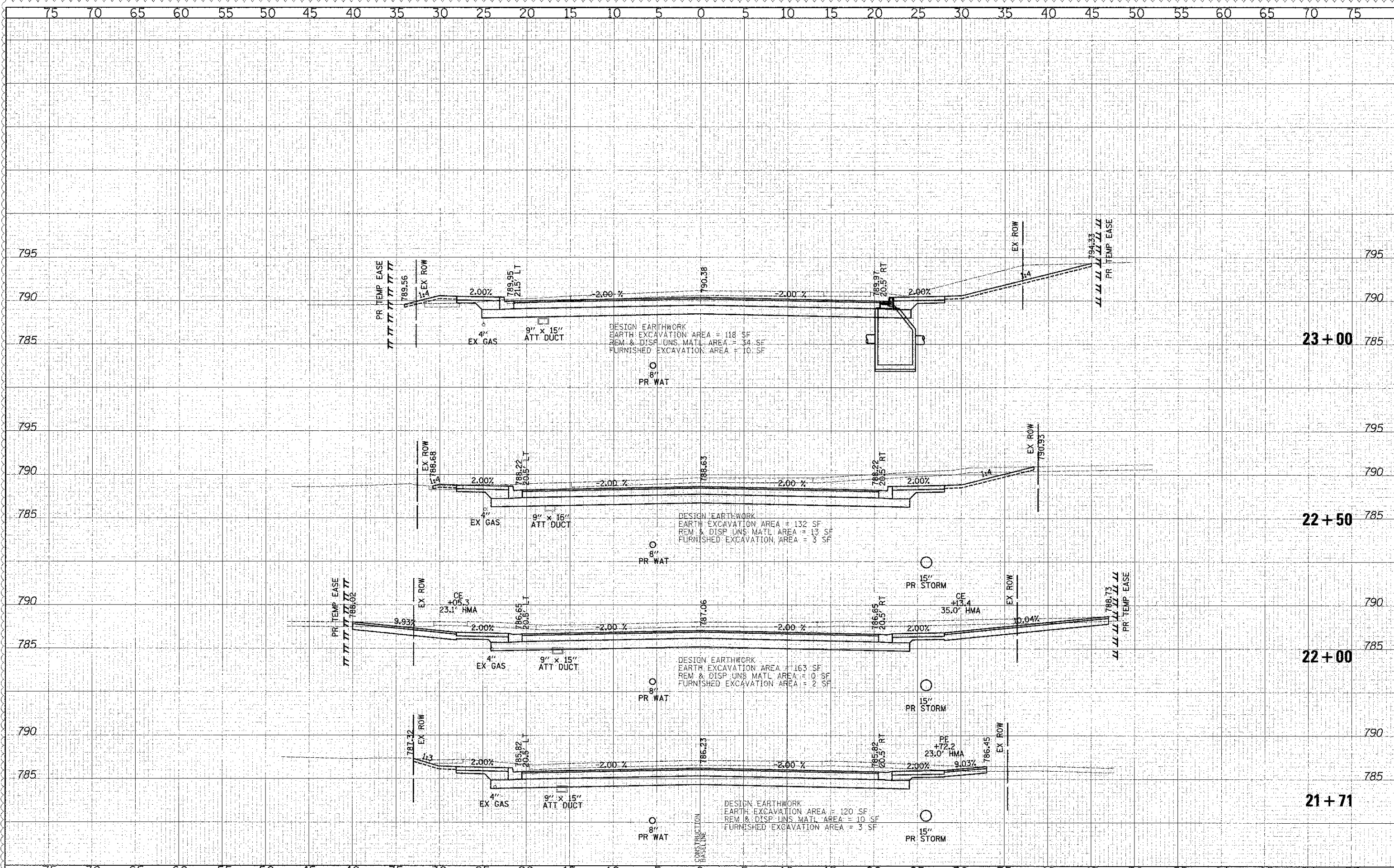
**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 16 OF 49 SHEETS STA. 20+40.00 TO STA. 21+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
0187	05-00121-07-WR	LAKE	223 183
CONTRACT NO. 63765			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

DATE	BY
DESIGNED	PK
DRAWN	JRR
CHECKED	RTM
DATE	12/17/2012

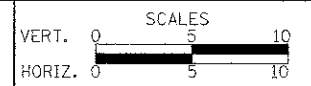
DATE	BY
DESIGNED	PK
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CHECKED	RTM
DATE	12/17/2012



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DRAWN	- JRR	REVISED	-
CHECKED	- RTM	REVISED	-
DATE	- 12/17/2012	REVISED	-

**STATE OF ILLINOIS  
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**CROSS SECTIONS - WASHINGTON STREET**

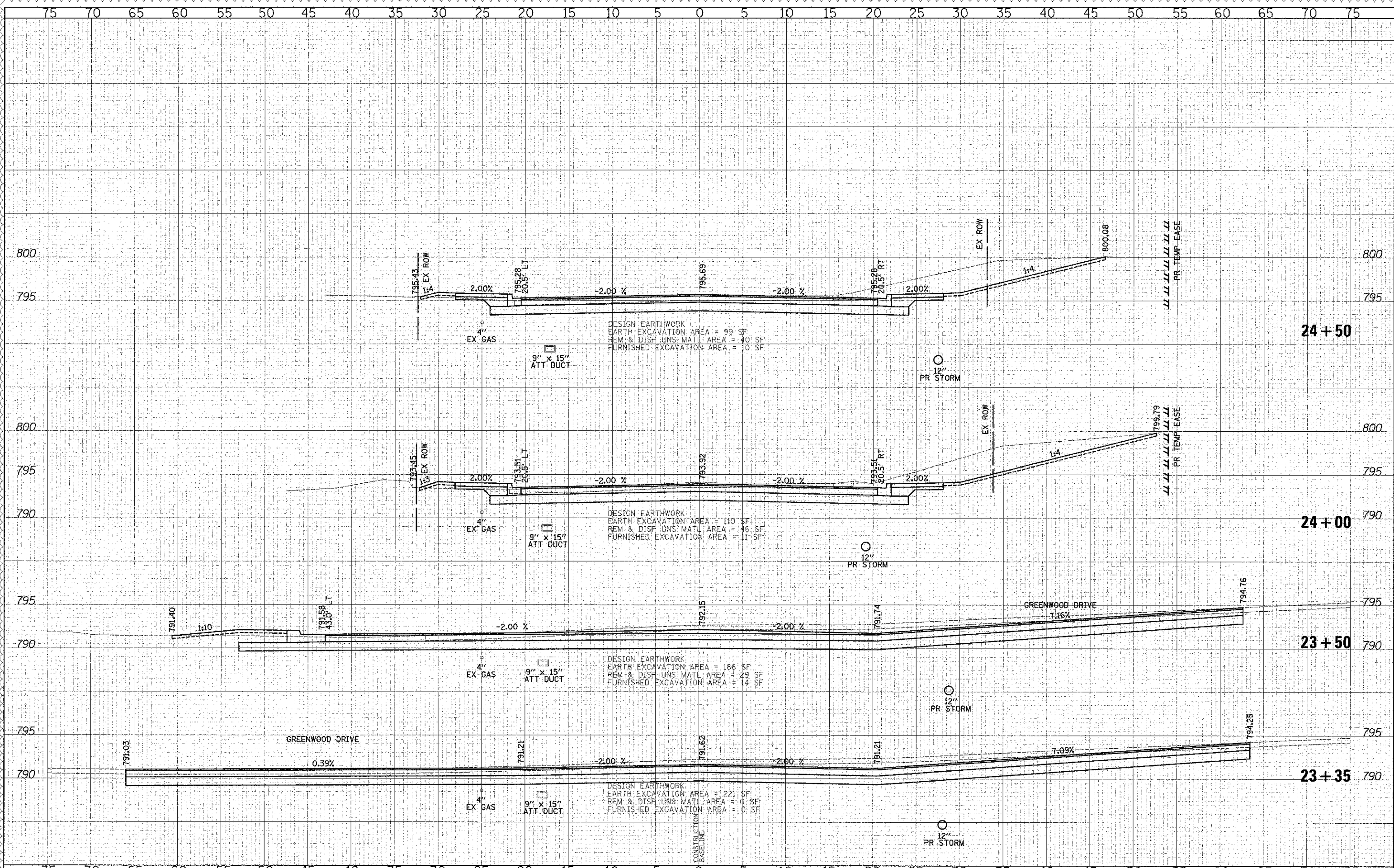
SHEET NO. 17 OF 49 SHEETS STA. 21+71.00 TO STA. 23+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	184
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



DATE	
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DESIGNED	
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DATE	

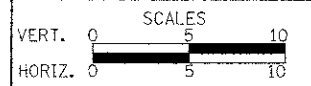
DATE	
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DESIGNED	
DRAWN	
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DRAWN	JRR	REVISED	
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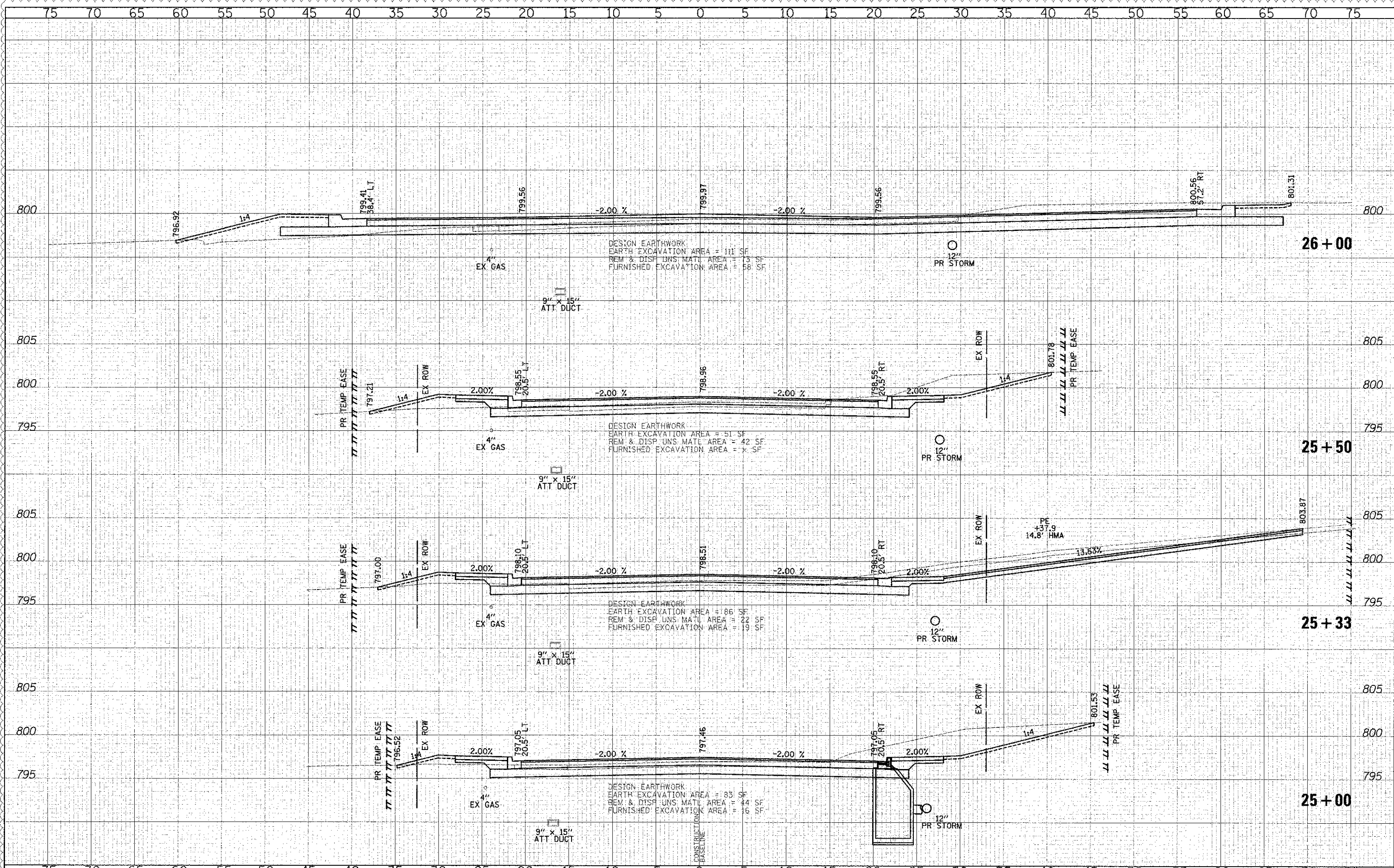
**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 18 OF 49 SHEETS STA. 23+35.00 TO STA. 24+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	185
				CONTRACT NO. 63765
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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REVISIONS	
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DESCRIPTION	
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REVISIONS	
NO.	
DESCRIPTION	



DESIGN EARTHWORK  
EARTH EXCAVATION AREA = 111 SF  
REM & DISP UNS MATL AREA = 73 SF  
FURNISHED EXCAVATION AREA = 58 SF

DESIGN EARTHWORK  
EARTH EXCAVATION AREA = 51 SF  
REM & DISP UNS MATL AREA = 42 SF  
FURNISHED EXCAVATION AREA = X SF

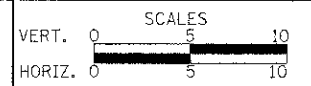
DESIGN EARTHWORK  
EARTH EXCAVATION AREA = 186 SF  
REM & DISP UNS MATL AREA = 22 SF  
FURNISHED EXCAVATION AREA = 19 SF

DESIGN EARTHWORK  
EARTH EXCAVATION AREA = 83 SF  
REM & DISP UNS MATL AREA = 44 SF  
FURNISHED EXCAVATION AREA = 16 SF

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DATE	- 12/17/2012	REVISED	-

**STATE OF ILLINOIS  
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**CROSS SECTIONS - WASHINGTON STREET**

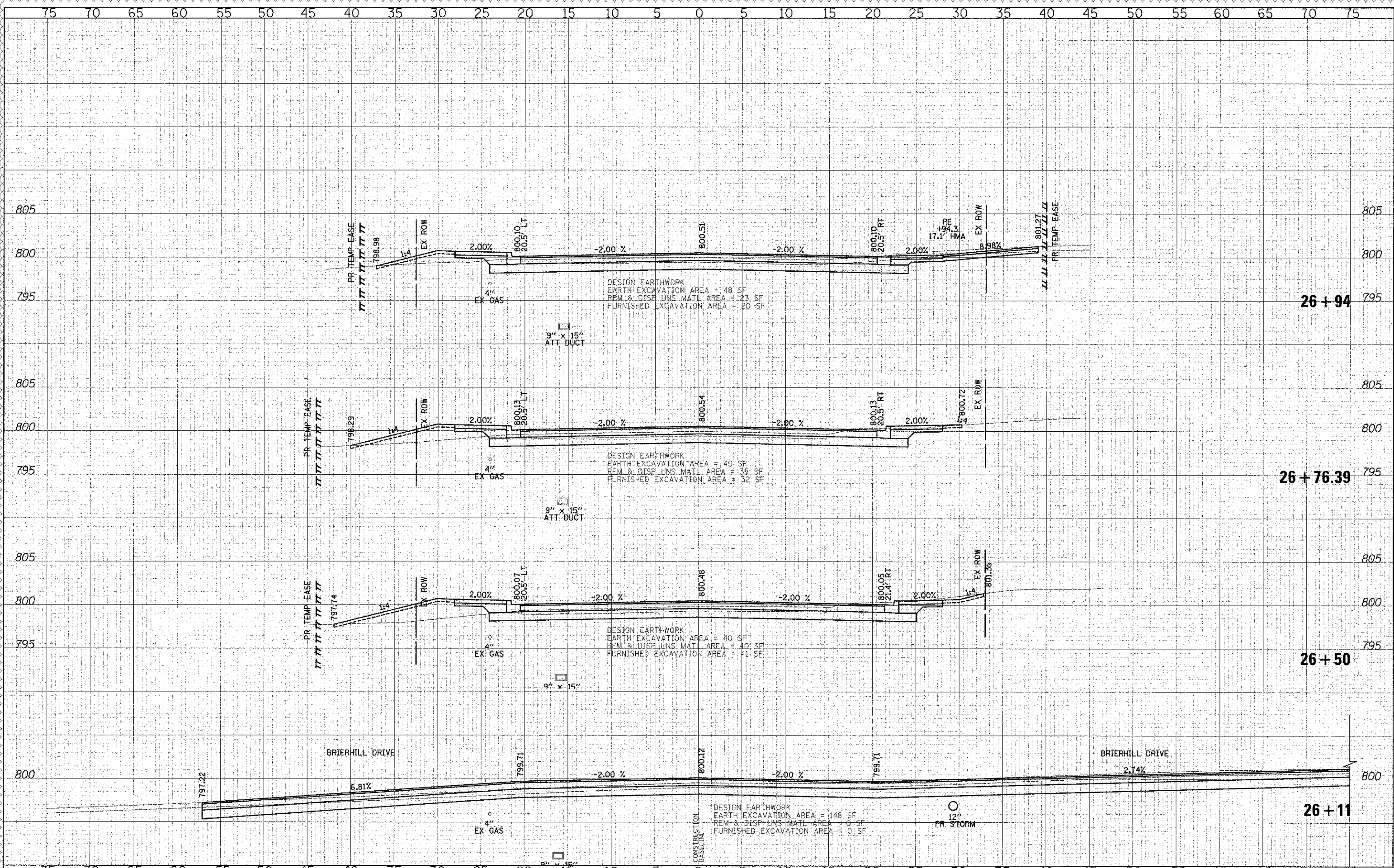
SHEET NO. 19 OF 49 SHEETS STA. 25+00.00 TO STA. 26+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET
0187	05-00121-07-WR	LAKE	223
			186
			CONTRACT NO. 63765
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DESIGNED: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
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**CROSS SECTIONS - WASHINGTON STREET**

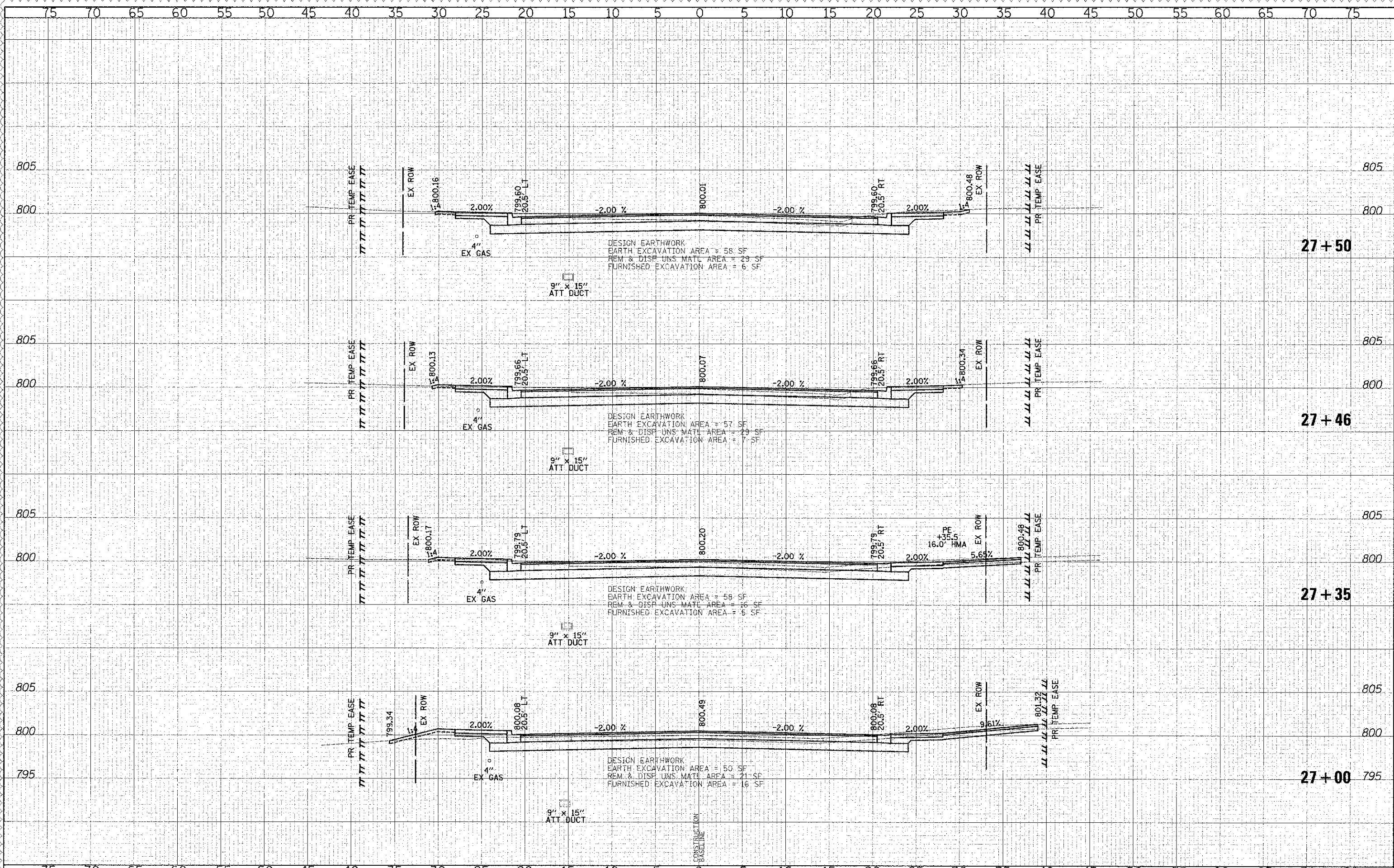
SHEET NO. 20 OF 49 SHEETS STA. 26+11.00 TO STA. 26+94.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	187

CONTRACT NO. 63765  
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

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

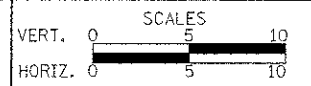
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CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 21 OF 49 SHEETS STA. 27+00.00 TO STA. 27+50.00

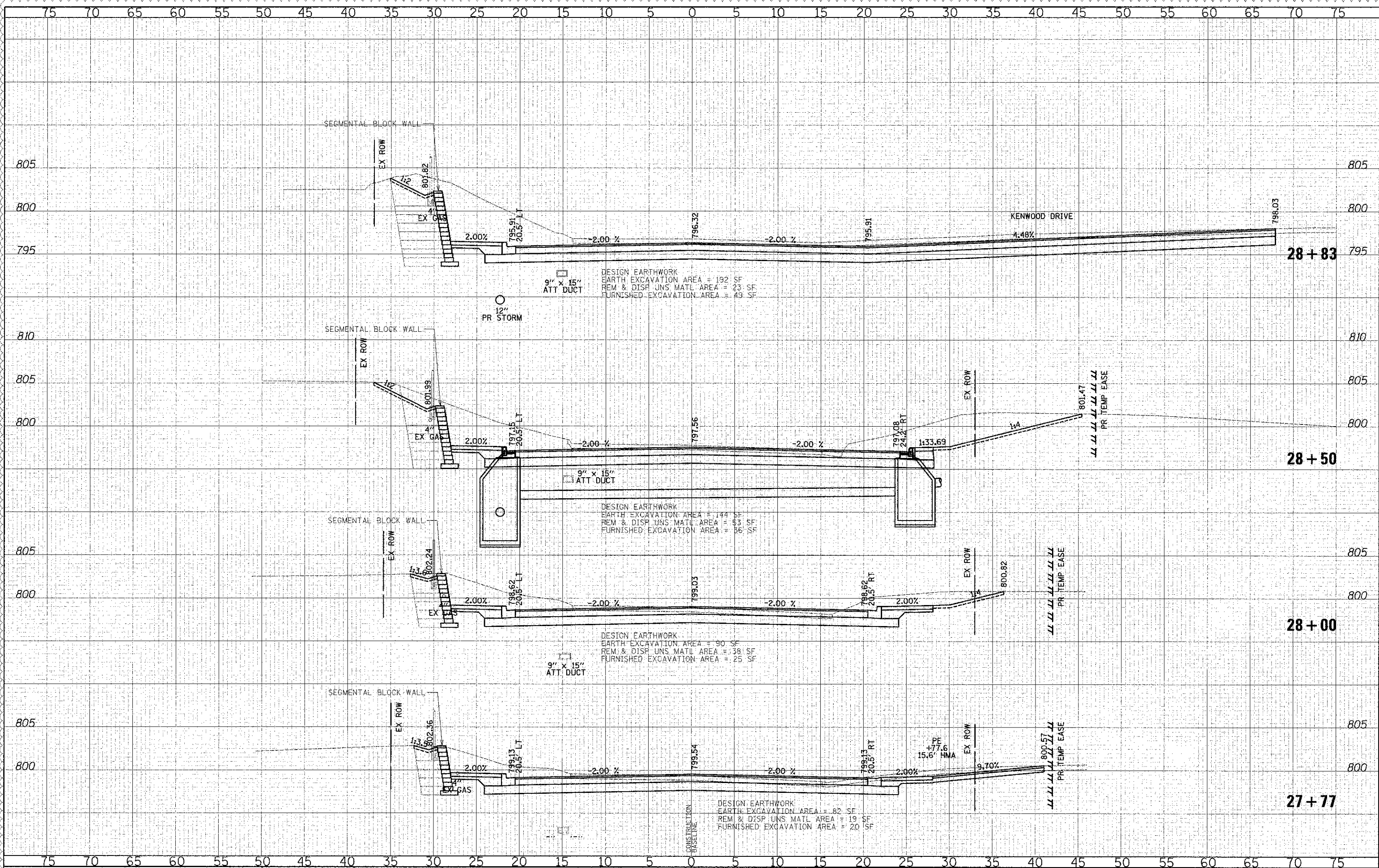
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	188
CONTRACT NO. 63765				

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



DATE	
BY	
REVISIONS	
1. CHECKED	RTM
2. DRAWN	JRR
3. DESIGNED	PK

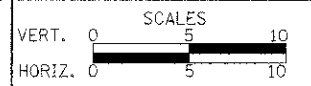
DATE	
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REVISIONS	
1. CHECKED	RTM
2. DRAWN	JRR
3. DESIGNED	PK



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DRAWN	JRR	REVISED	-
CHECKED	RTM	REVISED	-
DATE	12/17/2012	REVISED	-

STATE OF ILLINOIS  
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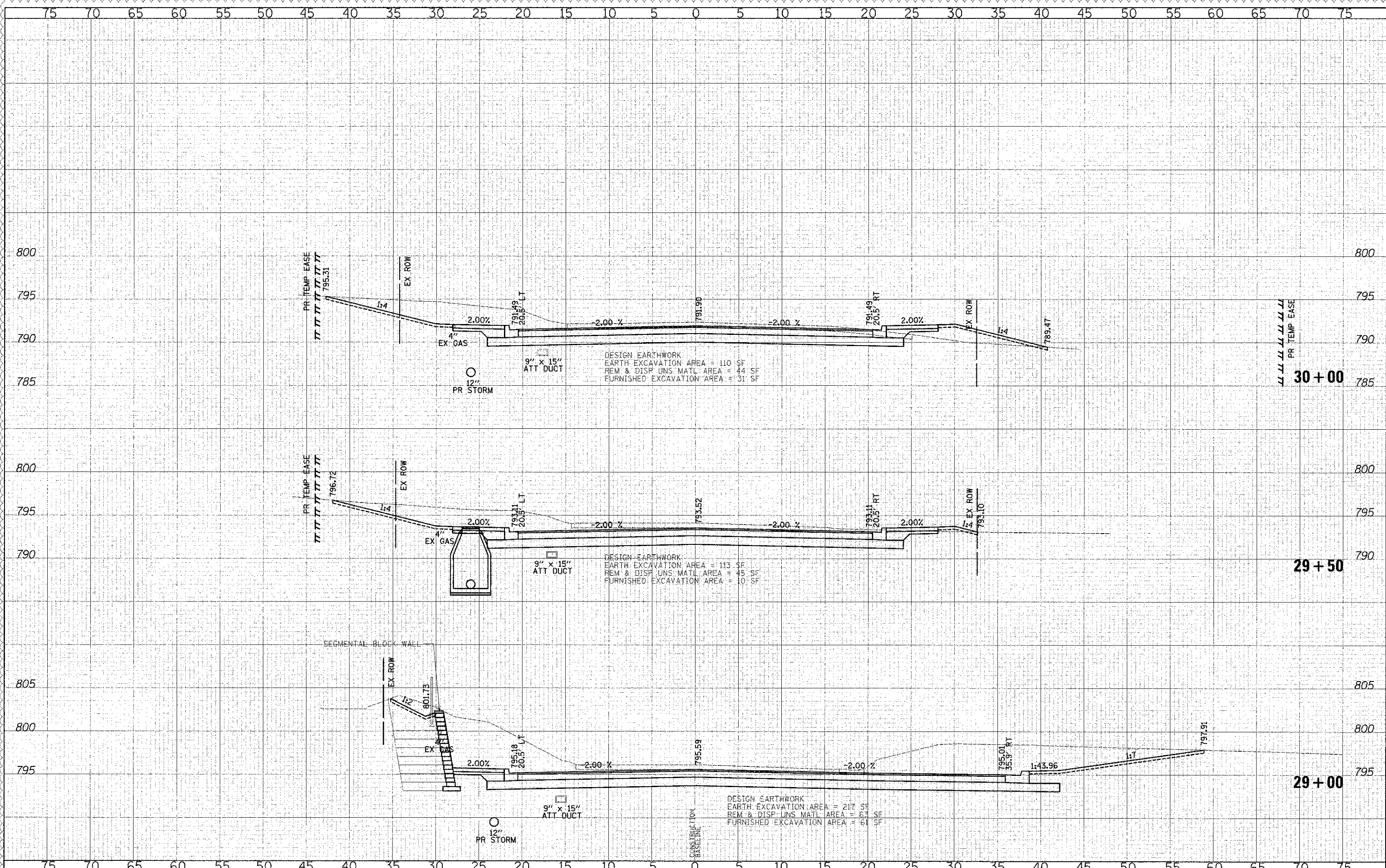
CROSS SECTIONS - WASHINGTON STREET

SHEET NO. 22 OF 49 SHEETS STA. 27+77.00 TO STA. 28+83.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	189
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

BY	DATE
DESIGNED	
DRAWN	
CHECKED	
DATE	

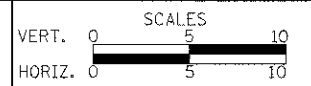
BY	DATE
DESIGNED	
DRAWN	
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DATE	



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DRAWN	- JRR	REVISED	-
CHECKED	- RTM	REVISED	-
DATE	- 12/17/2012	REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**



**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 23 OF 49 SHEETS STA. 29+00.00 TO STA. 30+00.00

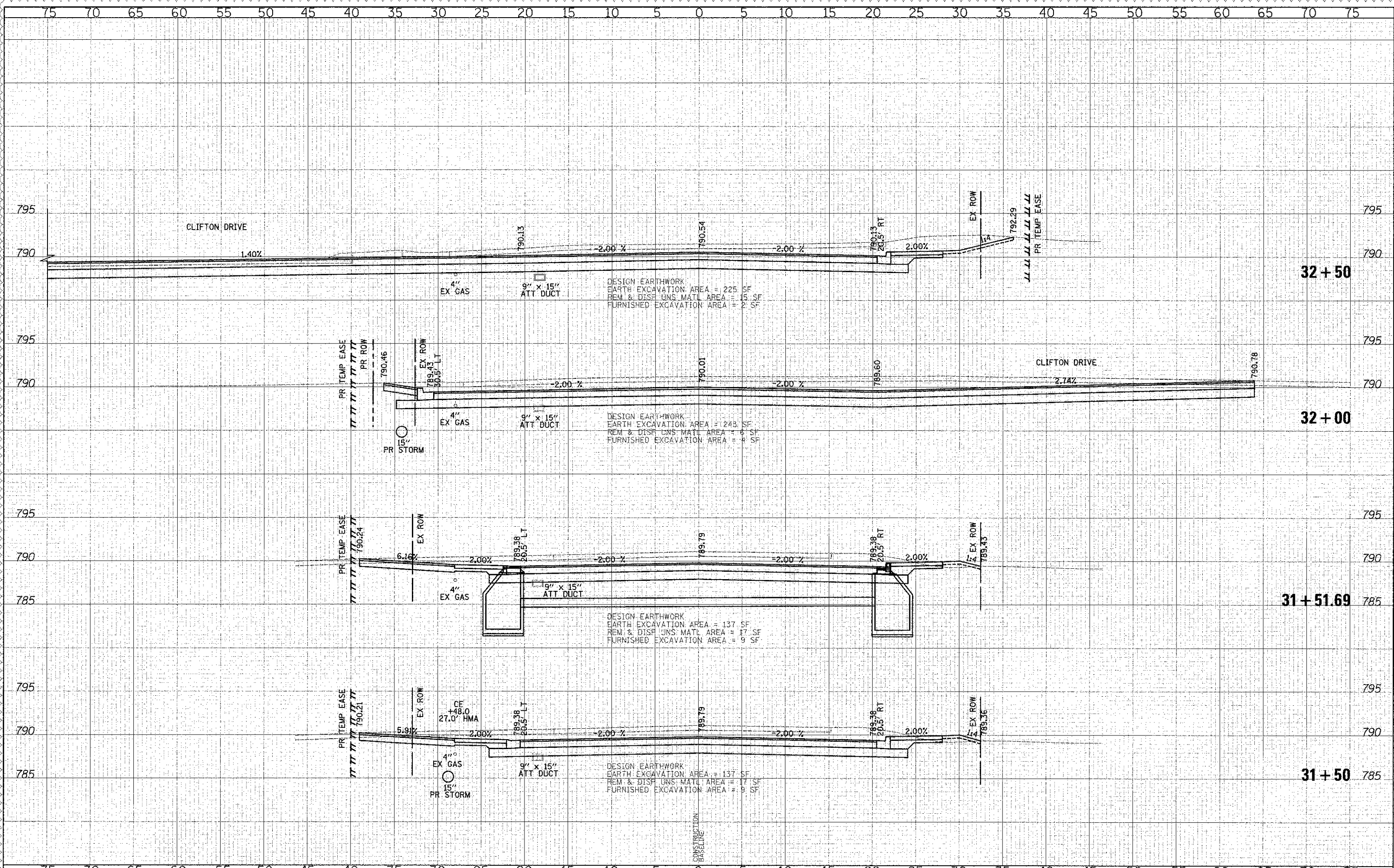
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	190
CONTRACT NO. 63765				
FED. ROAD DIST. RD. 1 ILLINOIS FED. AID PROJECT				





BY	DATE
FILED	
SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

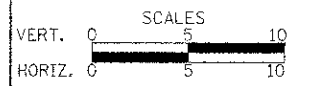
BY	DATE
ORIGINAL	
SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



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CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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 DEPARTMENT OF TRANSPORTATION**



**CROSS SECTIONS - WASHINGTON STREET**

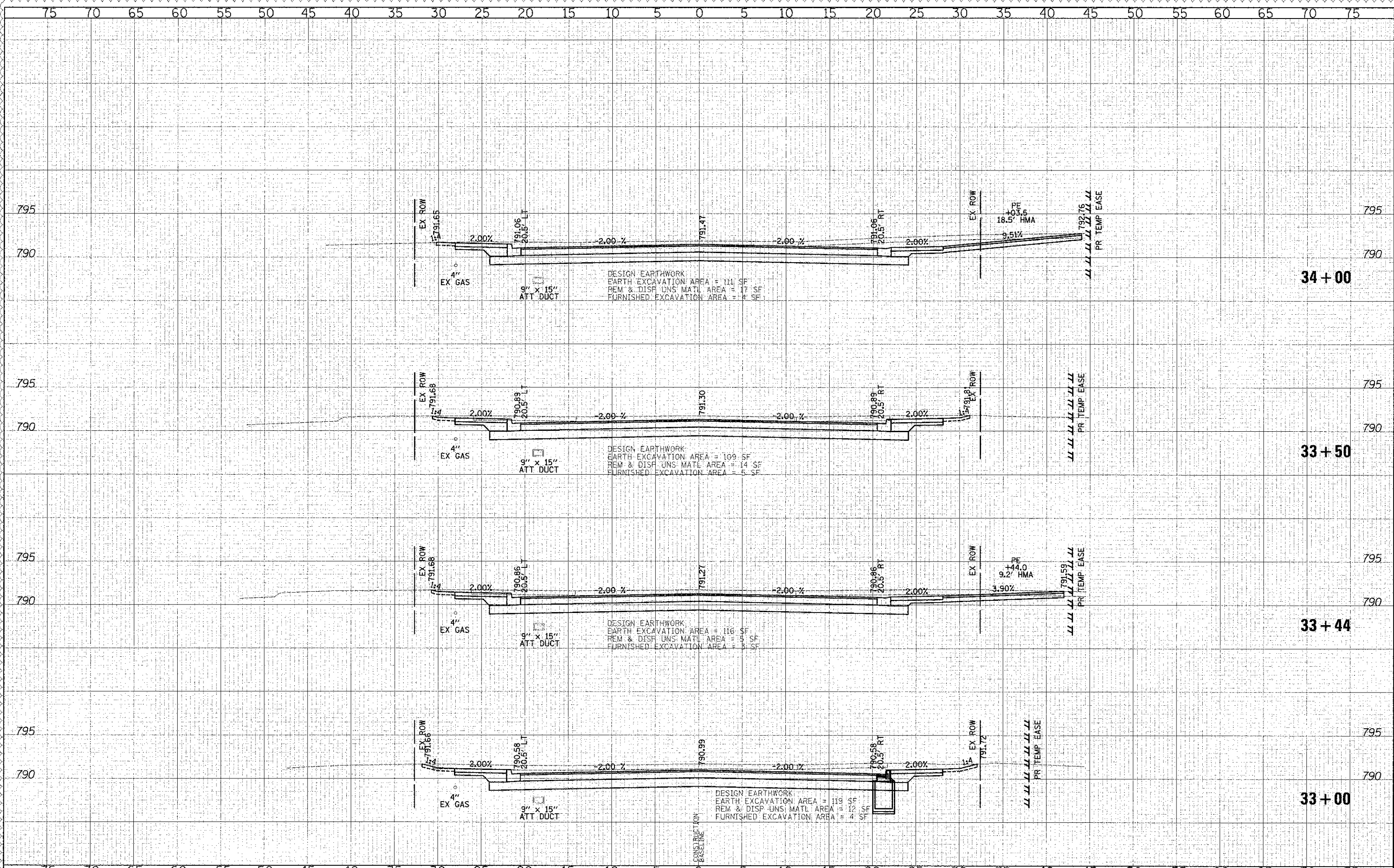
SHEET NO. 25 OF 49 SHEETS STA. 31+50.00 TO STA. 32+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	192
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765	



DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
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AREAS CHECKED	

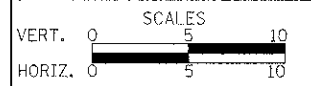
DATE	
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DESIGNED	
DRAWN	
CHECKED	
DATE	
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AREAS CHECKED	



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DRAWN	JRR	REVISED	-
CHECKED	RTM	REVISED	-
DATE	12/17/2012	REVISED	-

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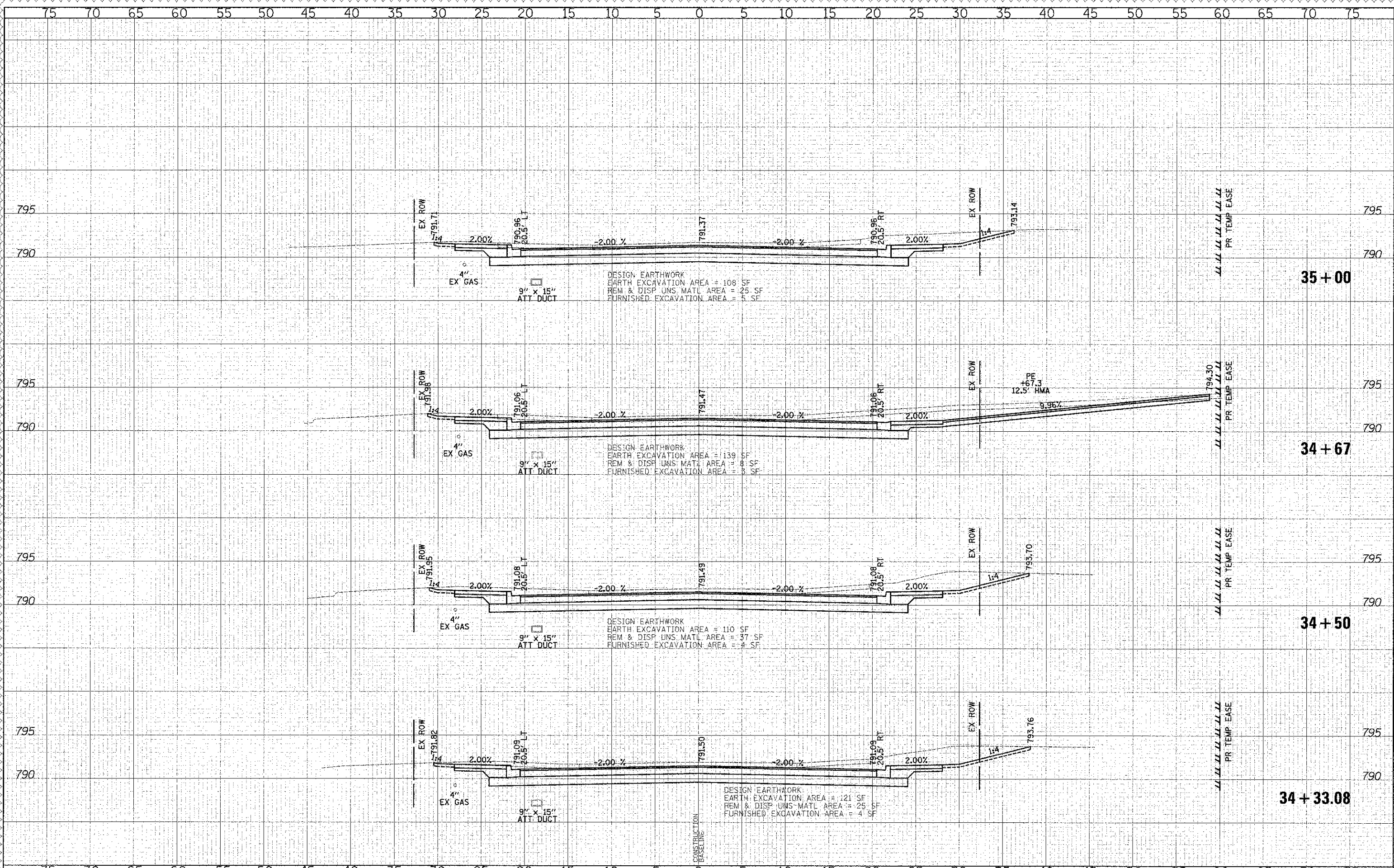
CROSS SECTIONS - WASHINGTON STREET

SHEET NO. 26 OF 49 SHEETS STA. 33+00.00 TO STA. 34+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
0187	05-00121-07-WR	LAKE	223
			193
			CONTRACT NO. 63765
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

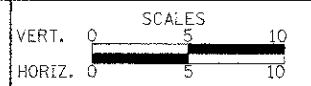
DATE	
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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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CROSS SECTIONS - WASHINGTON STREET

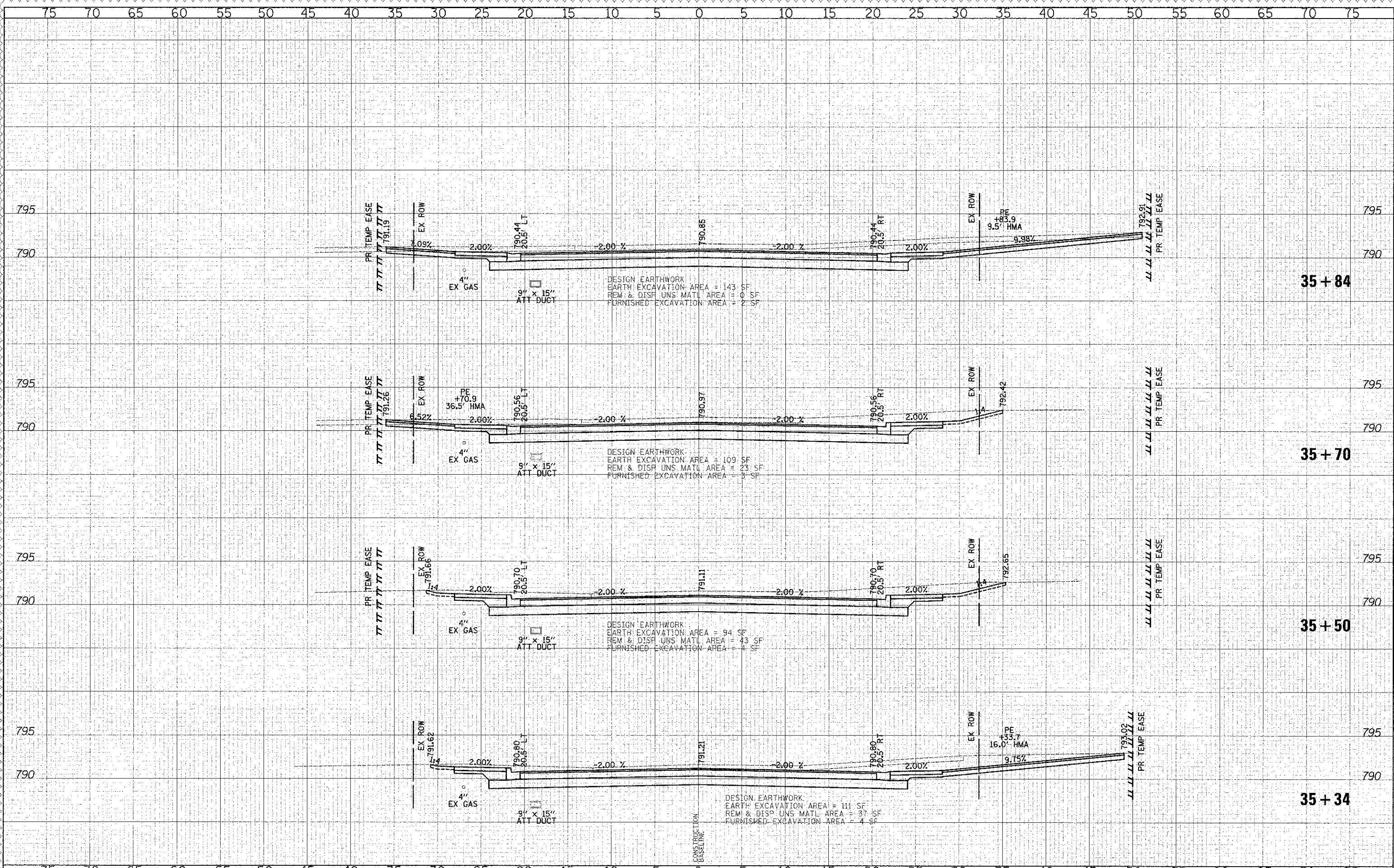
SHEET NO. 27 OF 49 SHEETS STA. 34+33.08 TO STA. 35+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	194
				CONTRACT NO. 63765
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
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 SURVEY: \_\_\_\_\_  
 NO. \_\_\_\_\_

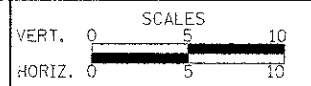
DATE: \_\_\_\_\_  
 BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DESIGNED: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 SURVEY: \_\_\_\_\_  
 NO. \_\_\_\_\_



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CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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CROSS SECTIONS - WASHINGTON STREET

SHEET NO. 28 OF 49 SHEETS | STA. 35+34.00 TO STA. 35+84.00

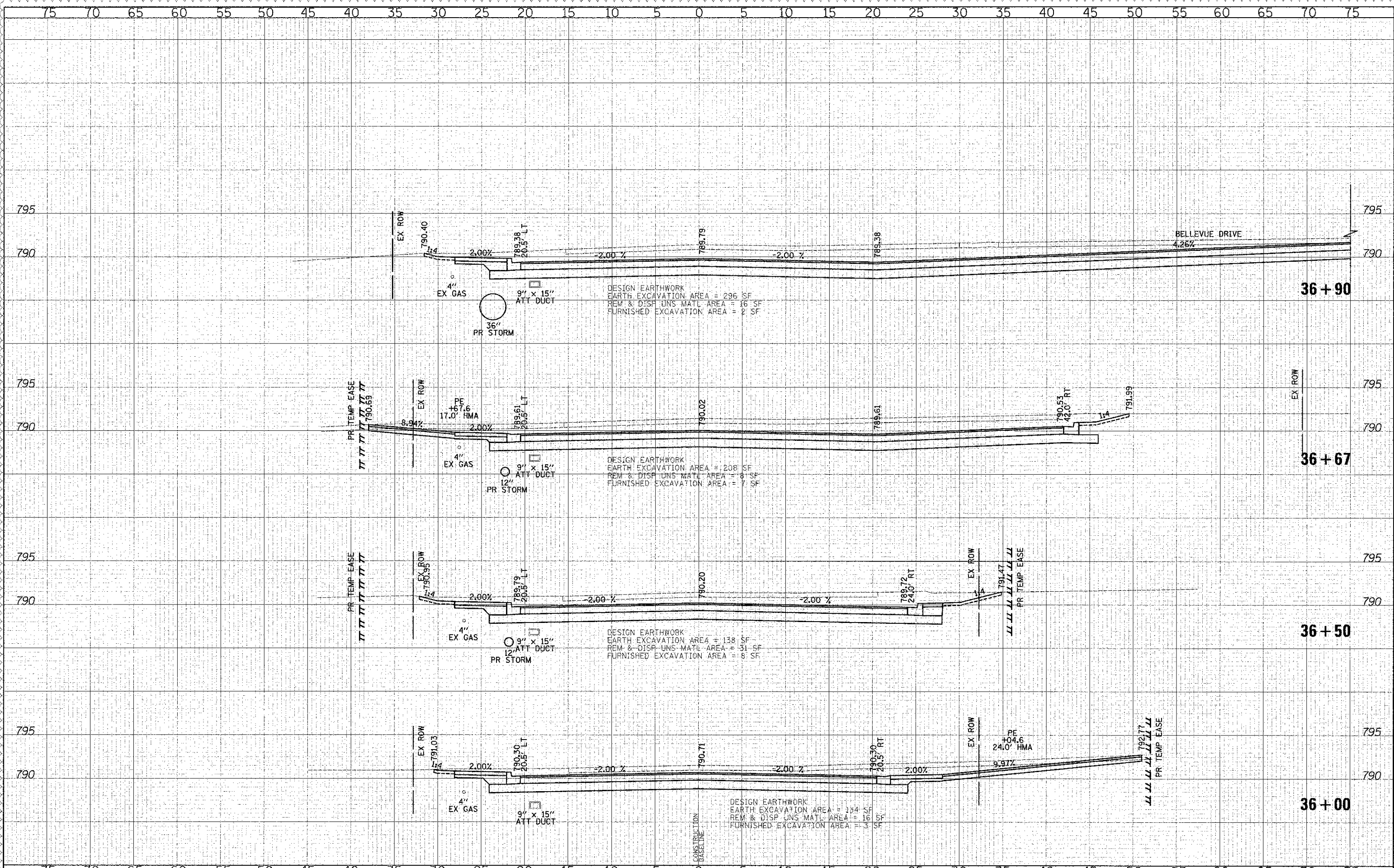
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	195
CONTRACT NO. 63765				

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



DATE	
BY	
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DRAWN	
CHECKED	
DATE	

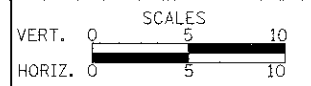
DATE	
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DESIGNED	
DRAWN	
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DATE	



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DRAWN	JRR	REVISED	
CHECKED	RTM	REVISED	
DATE	12/17/2012	REVISED	

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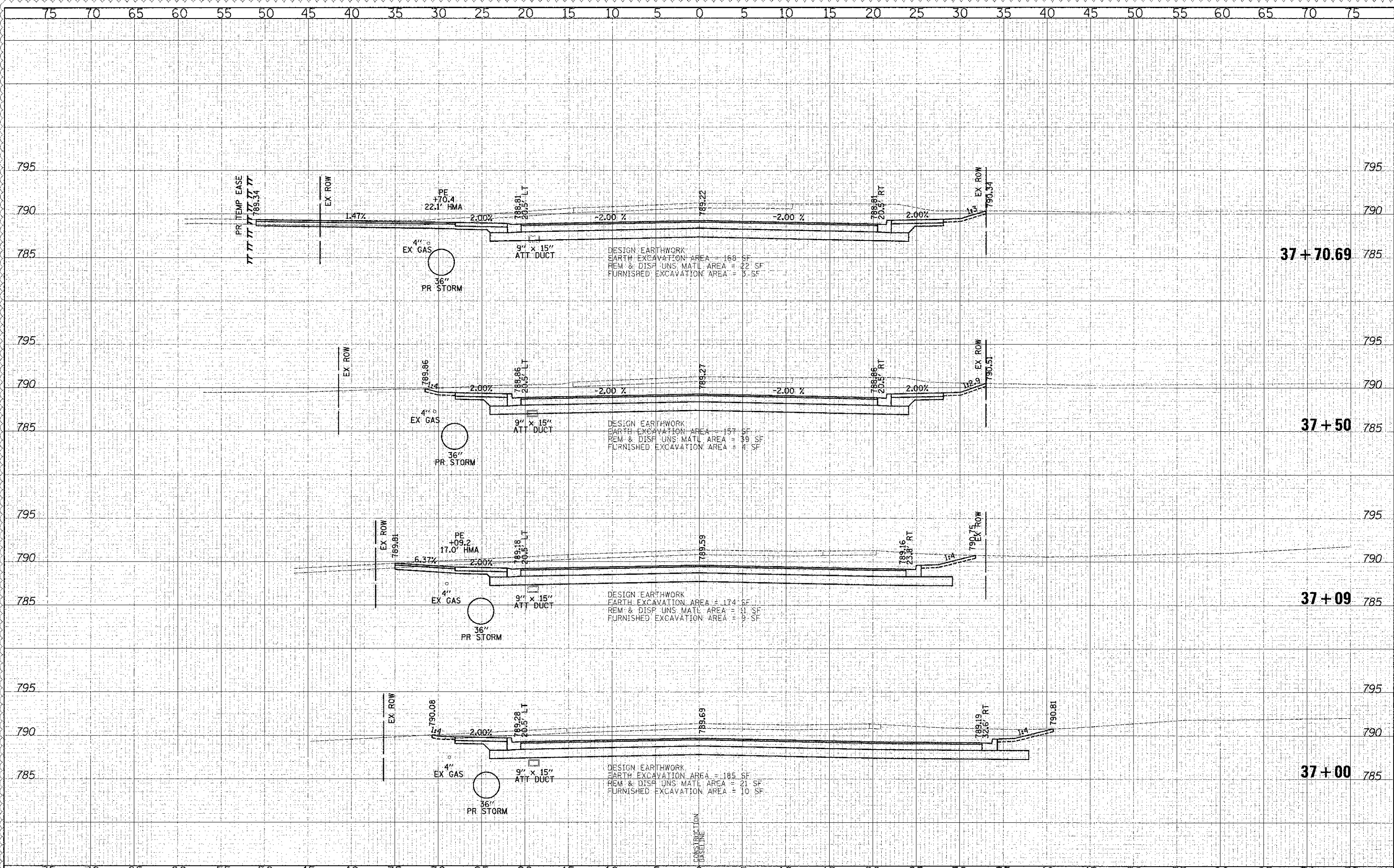
**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 29 OF 49 SHEETS STA. 36+00.00 TO STA. 36+90.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
0187	05-00121-07-WR	LAKE	223 196
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63765

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

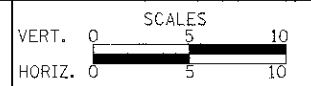
DATE	
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DATE	



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DRAWN	- JRR	REVISED	-
CHECKED	- RTM	REVISED	-
DATE	- 12/17/2012	REVISED	-

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**CROSS SECTIONS - WASHINGTON STREET**

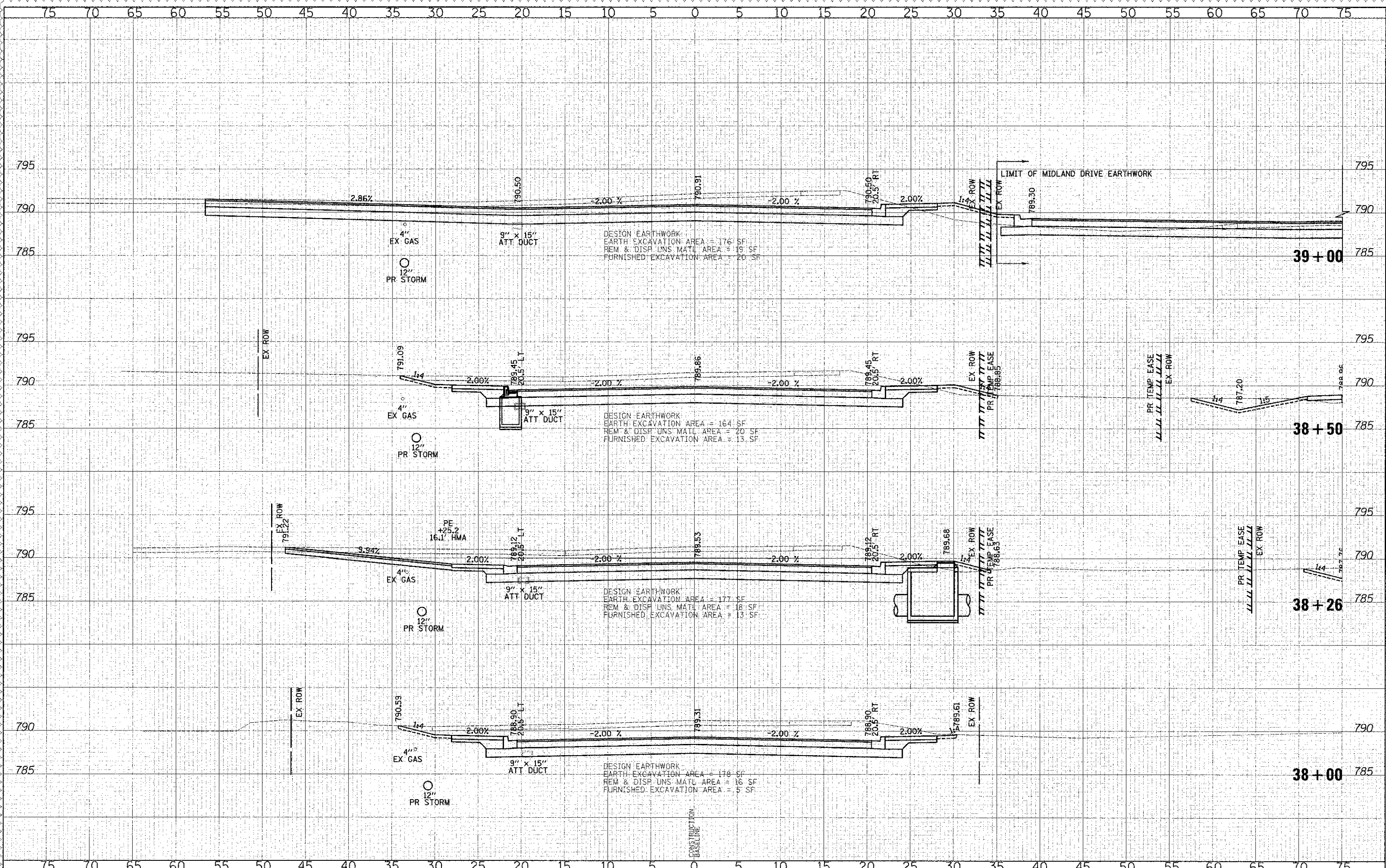
SHEET NO. 30 OF 49 SHEETS STA. 37+00.00 TO STA. 37+70.69

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
0187	05-00121-07-WR	LAKE	223
			197
CONTRACT NO. 63765			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	DESIGNED - PK
2	DRAWN - JRR
3	CHECKED - RTM
4	DATE - 12/17/2012

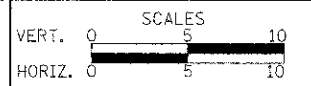
DATE	
BY	
REVISIONS	
NO.	DESCRIPTION
1	DESIGNED - PK
2	DRAWN - JRR
3	CHECKED - RTM
4	DATE - 12/17/2012



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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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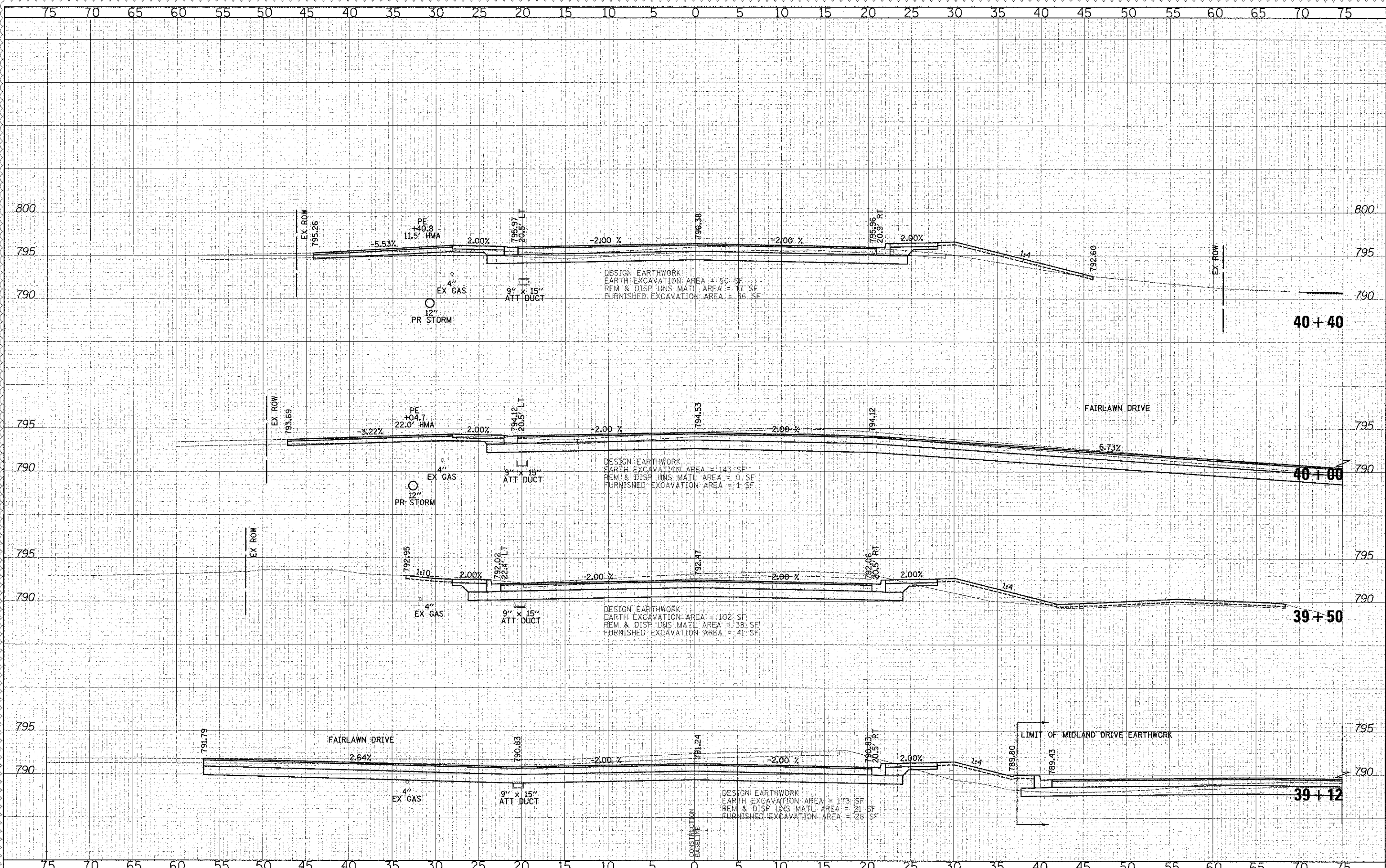
**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 31 OF 49 SHEETS | STA. 38+00.00 TO STA. 39+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	198
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

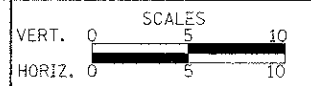
DATE	
BY	
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DRAWN	
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DATE	



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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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**CROSS SECTIONS - WASHINGTON STREET**

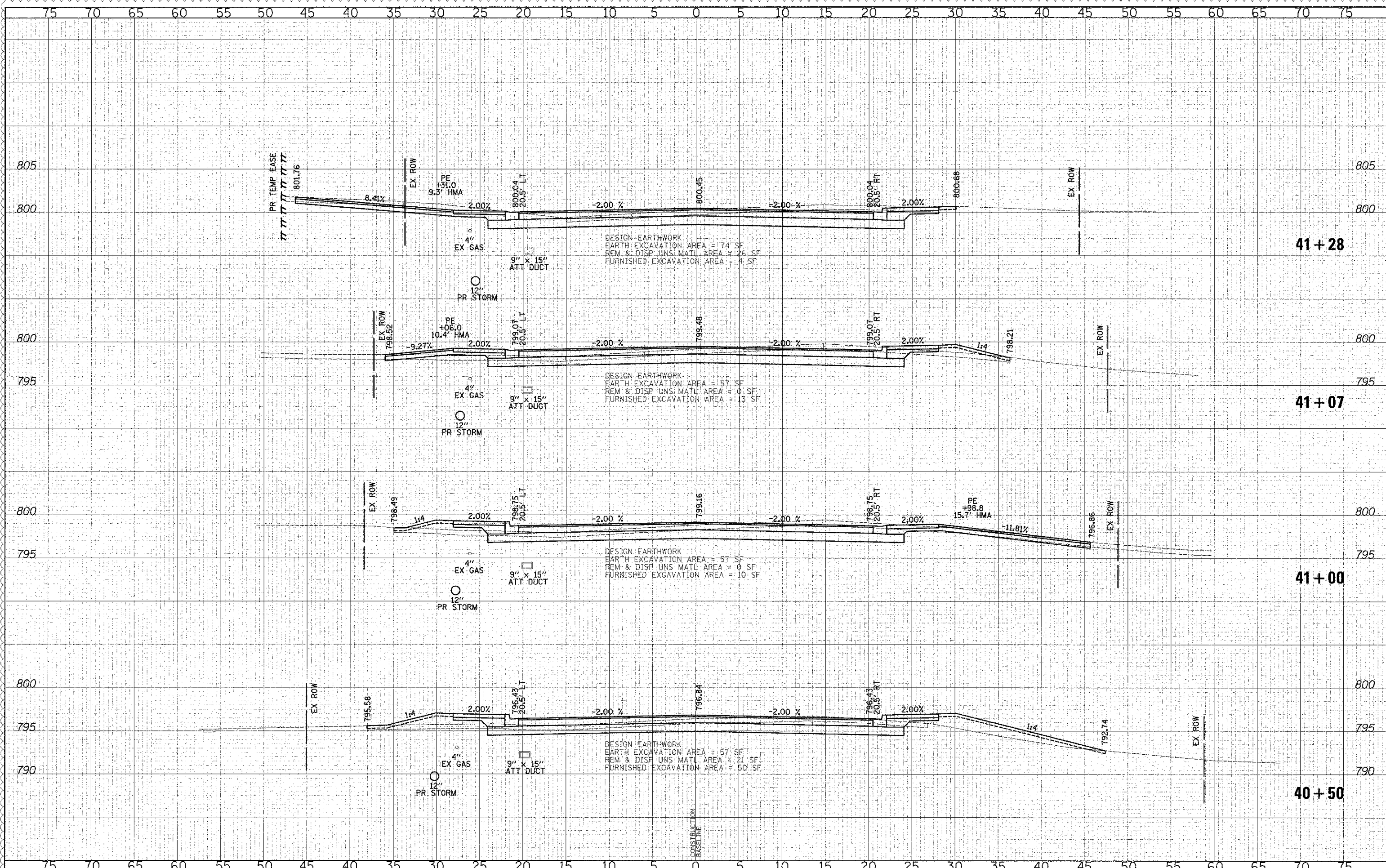
SHEET NO. 32 OF 49 SHEETS STA. 39+12.00 TO STA. 40+40.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
0187	05-00121-07-WR	LAKE	223
CONTRACT NO. 63765			199
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



BY	DATE

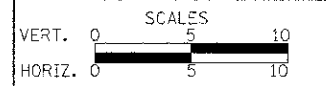
BY	DATE



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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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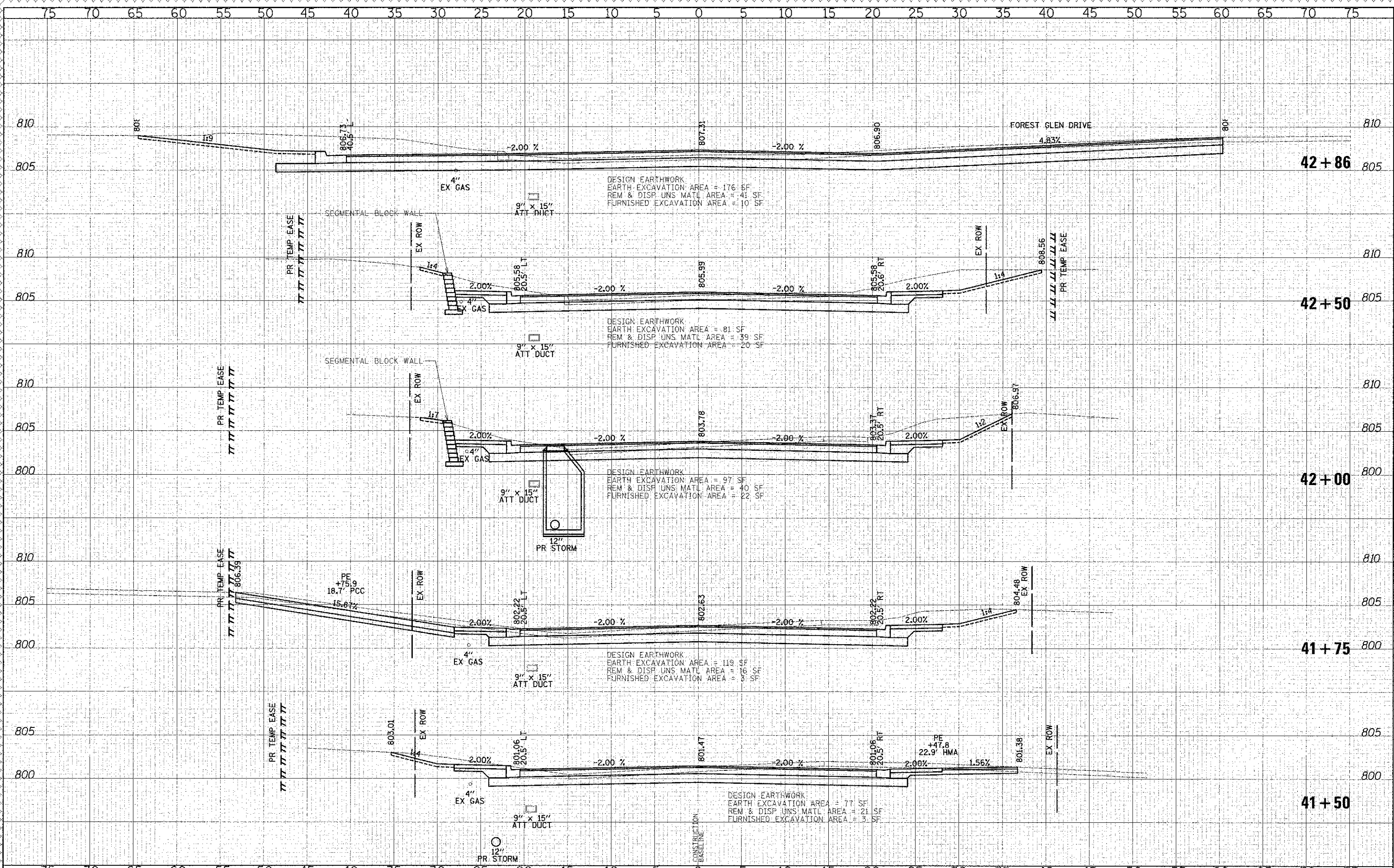
**CROSS SECTIONS - WASHINGTON STREET**

F.A.U. RTE. 0187	SECTION 05-00121-07-WR	COUNTY LAKE	TOTAL SHEETS 223	SHEET NO. 200
CONTRACT NO. 63765				
FED. ROAD DIST. No. 1 [ILLINOIS] FED. AID PROJECT				

SHEET NO. 33 OF 49 SHEETS STA. 40+50.00 TO STA. 41+28.00

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

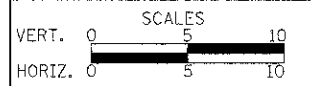
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



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DATE - 12/17/2012	REVISED -

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**CROSS SECTIONS - WASHINGTON STREET**

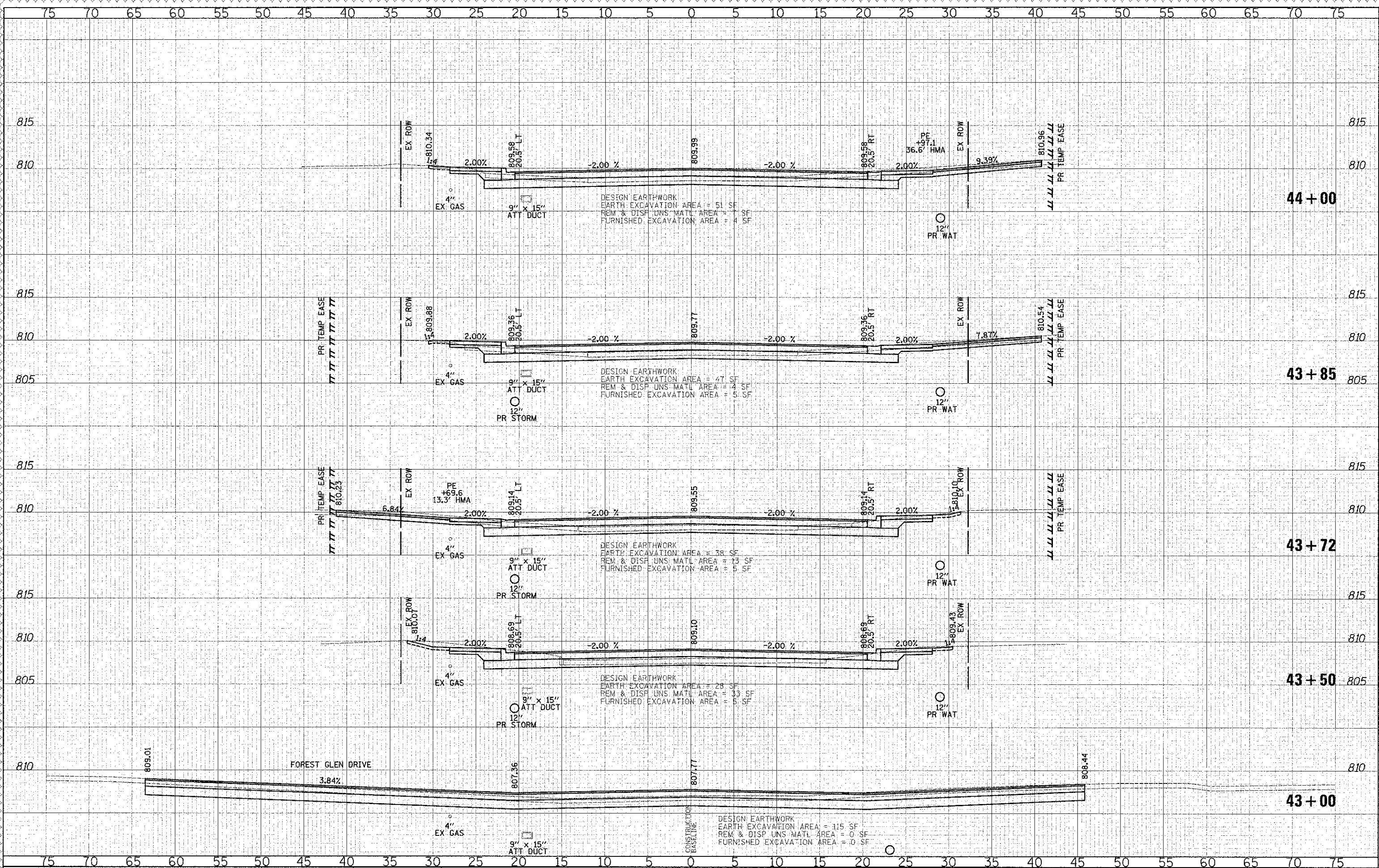
SHEET NO. 34 OF 49 SHEETS | STA. 41+50.00 TO STA. 42+86.00

F.A.U. RTE. 0187	SECTION 05-00121-07-WR	COUNTY LAKE	TOTAL SHEETS 223	SHEET NO. 201
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				



DATE	
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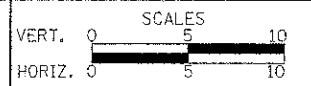
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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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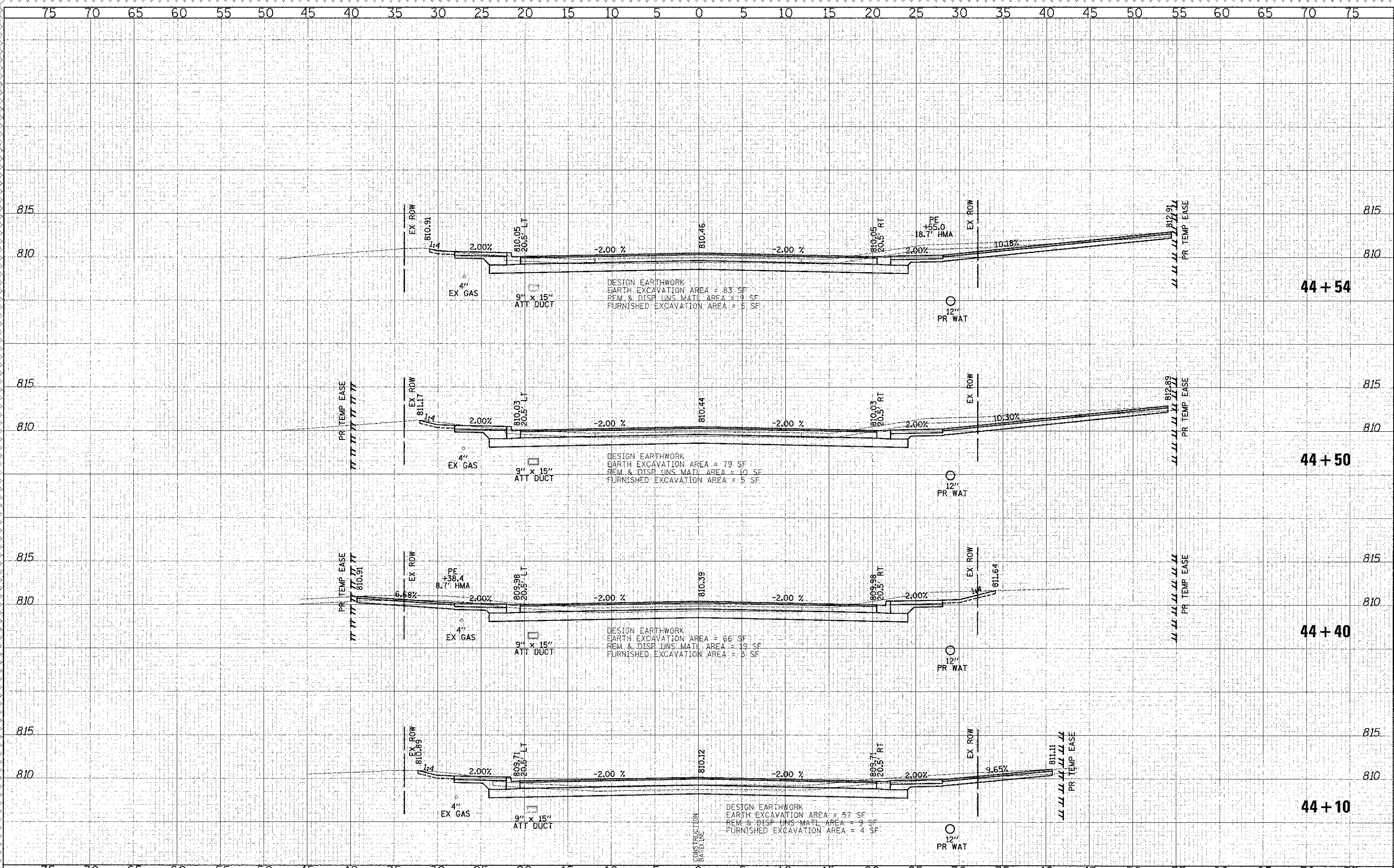
**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 35 OF 49 SHEETS STA. 43+00.00 TO STA. 44+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	202
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISIONS	
1	DESIGNED - PK
2	DRAWN - JRR
3	CHECKED - RTM
4	DATE - 12/17/2012

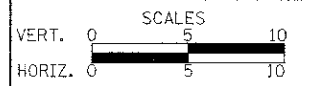
DATE	
BY	
REVISIONS	
1	DESIGNED - PK
2	DRAWN - JRR
3	CHECKED - RTM
4	DATE - 12/17/2012



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DESIGNED - PK	REVISED - 4/10/2013
DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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**CROSS SECTIONS - WASHINGTON STREET**

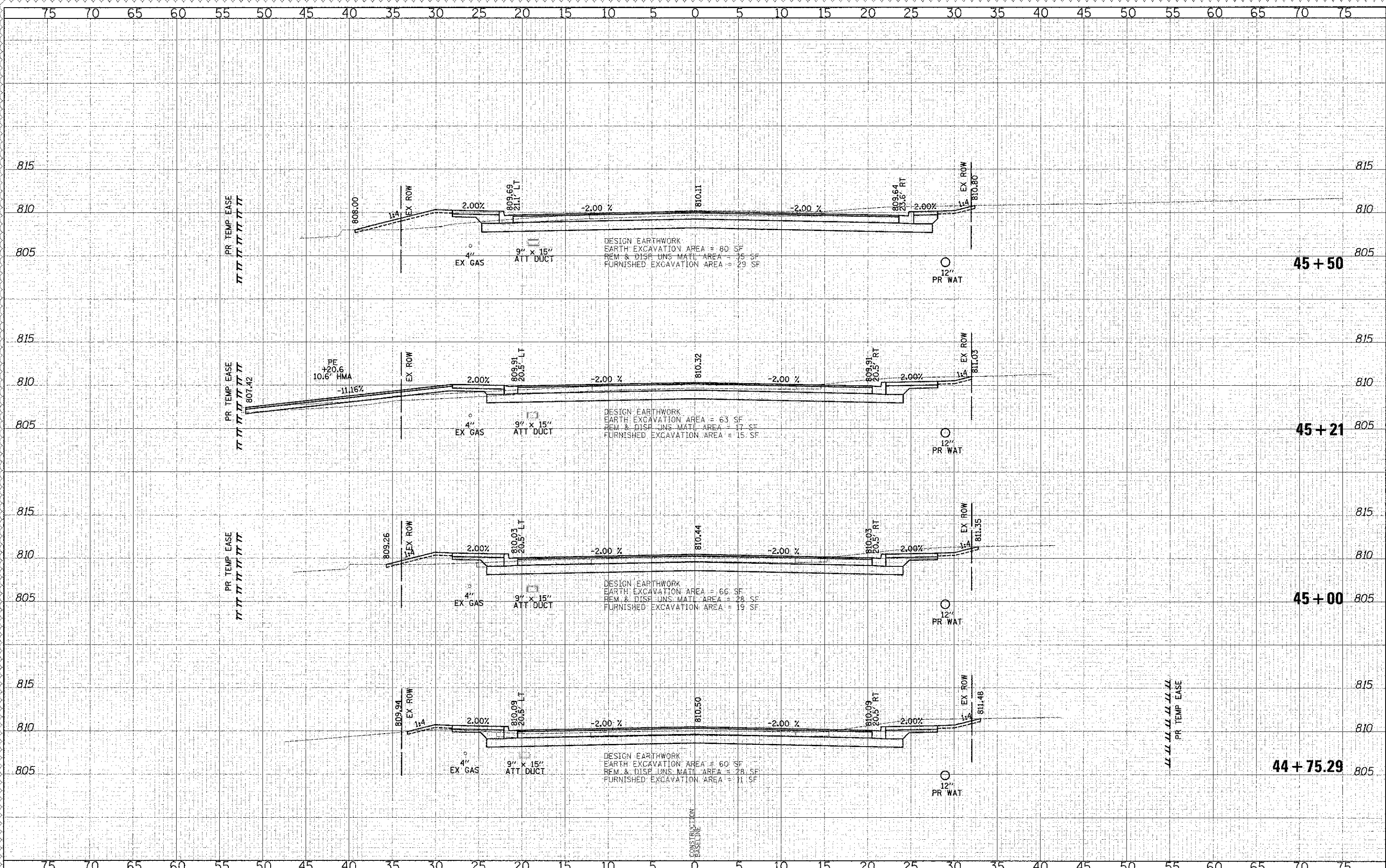
SHEET NO. 36 OF 49 SHEETS STA. 44+10.00 TO STA. 44+54.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	203
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DATE	
BY	
DESIGNED	
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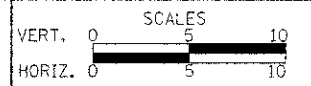
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DRAWN - JRR	REVISED -
CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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CROSS SECTIONS - WASHINGTON STREET

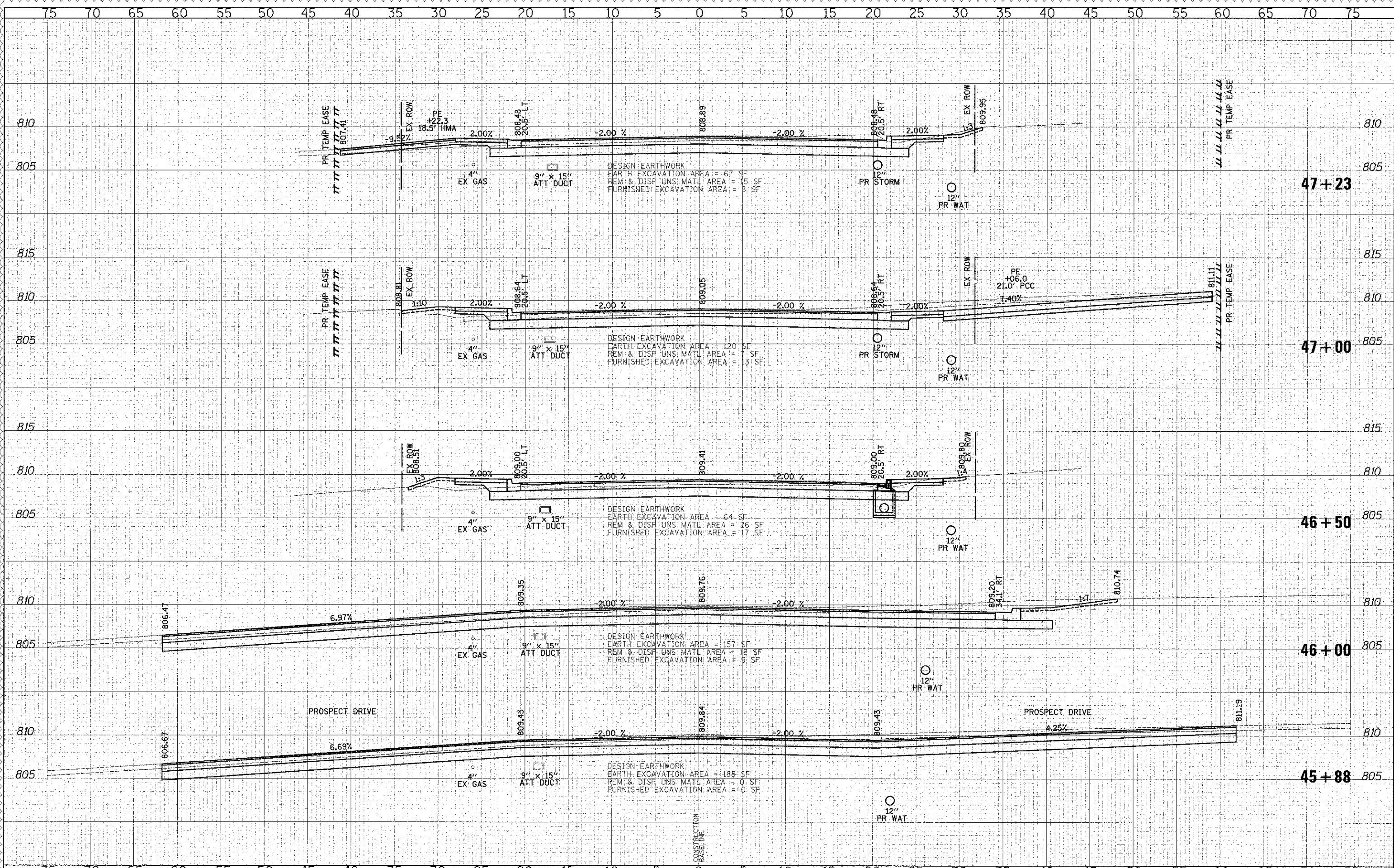
SHEET NO. 37 OF 49 SHEETS STA. 44+75.29 TO STA. 45+50.00

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
0187	05-00121-07-WR	LAKE	223 / 204
			CONTRACT NO. 63765

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

DATE	
BY	
REVISIONS	
1. ORIGINAL SURVEY	
2. SURVEY PLOTTED	
3. NOTE BOOK	
4. AREAS CHECKED	

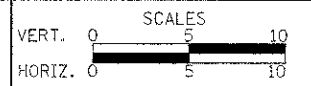
DATE	
BY	
REVISIONS	
1. ORIGINAL SURVEY	
2. SURVEY PLOTTED	
3. NOTE BOOK	
4. AREAS CHECKED	



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DATE - 12/17/2012	REVISED -

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CROSS SECTIONS - WASHINGTON STREET

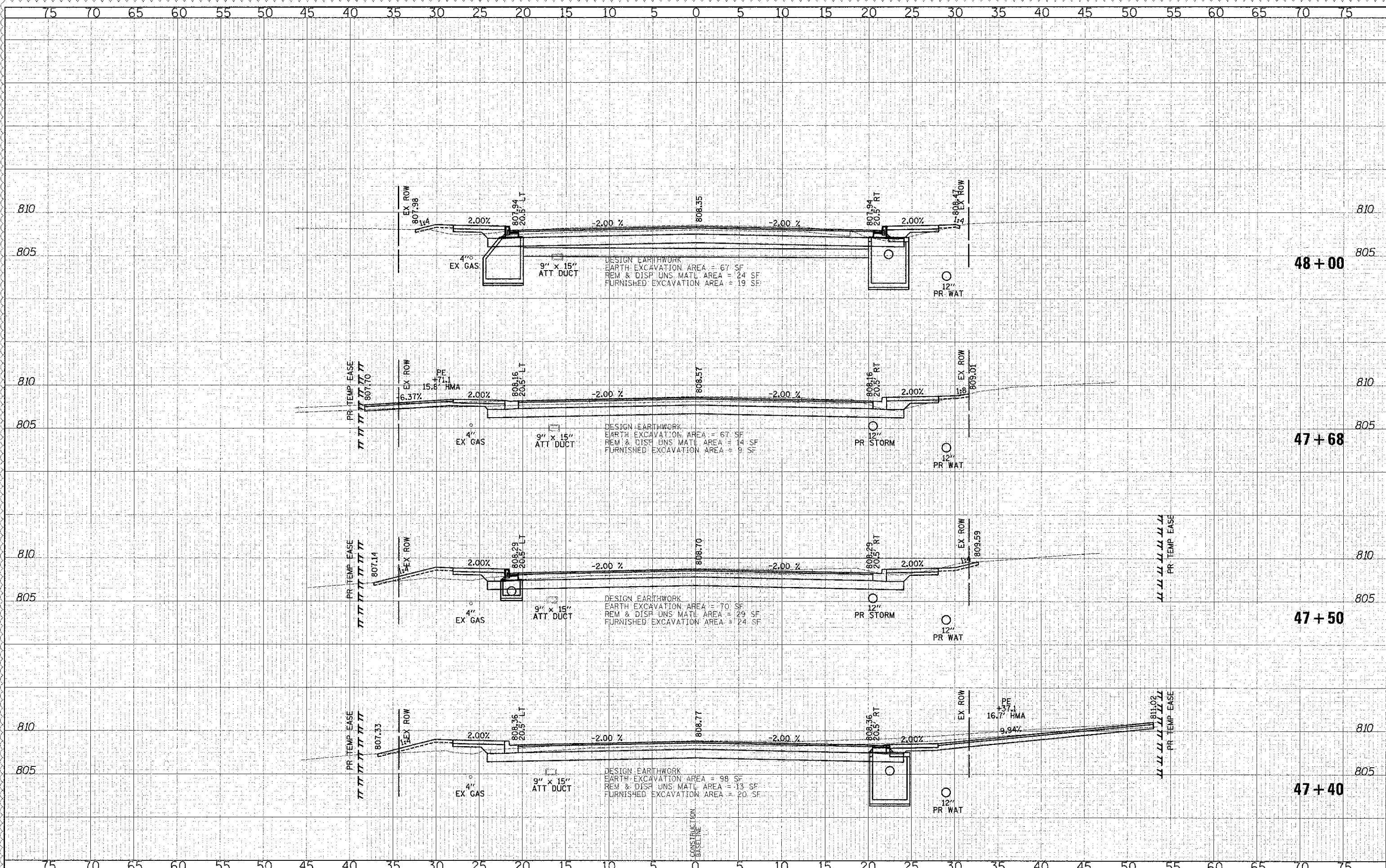
SHEET NO. 38 OF 49 SHEETS STA. 45+88.00 TO STA. 47+23.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	205
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DATE	BY
DESIGNED	PK
DRAWN	JRR
CHECKED	RTM
DATE	12/17/2012

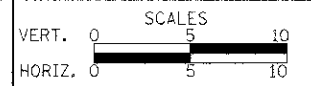
DATE	BY
DESIGNED	PK
DRAWN	JRR
CHECKED	RTM
DATE	12/17/2012



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DESIGNED	PK	REVISED	4/10/2013
DRAWN	JRR	REVISED	-
CHECKED	RTM	REVISED	-
DATE	12/17/2012	REVISED	-

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**CROSS SECTIONS - WASHINGTON STREET**

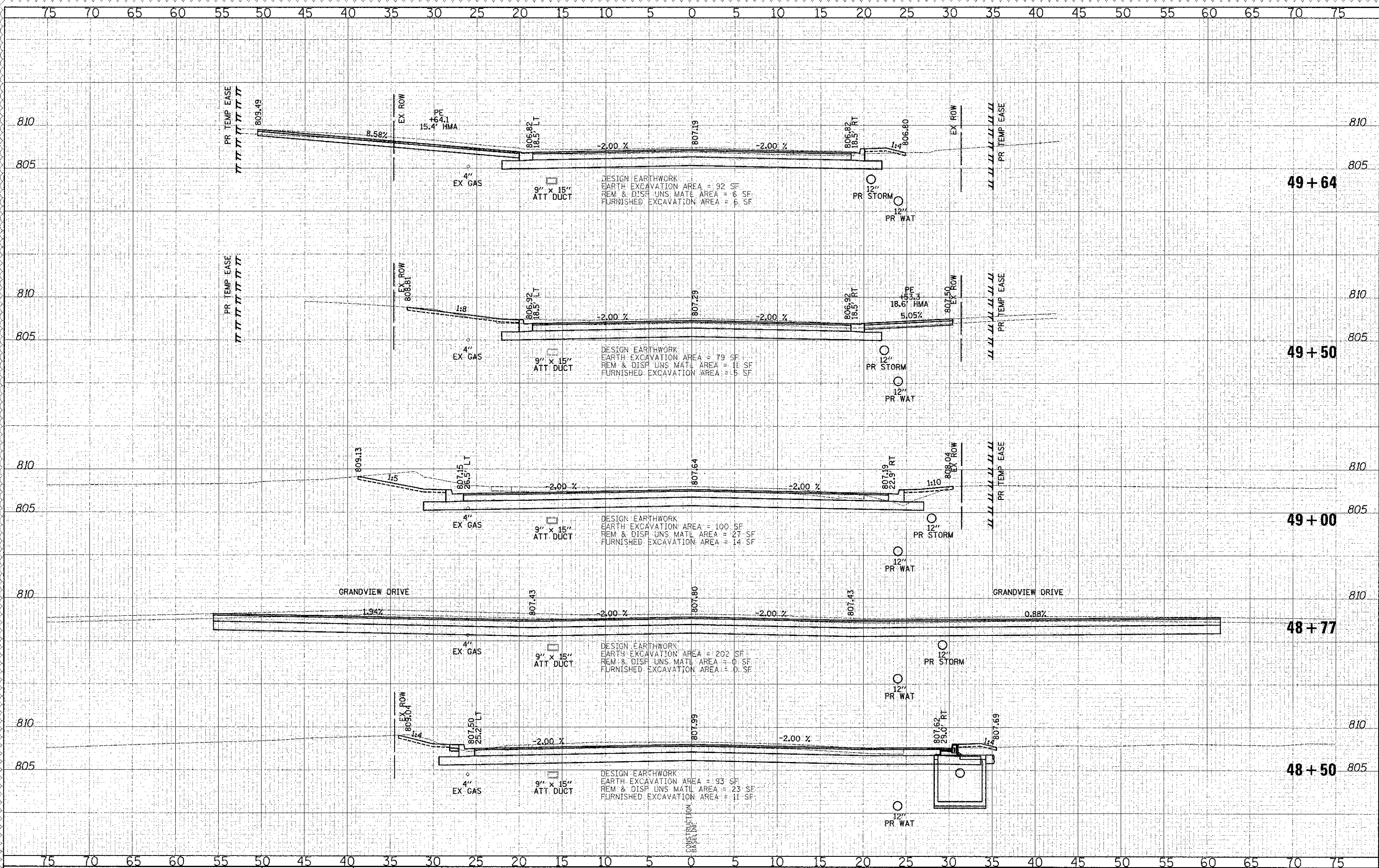
SHEET NO. 39 OF 49 SHEETS | STA. 47+40.00 TO STA. 48+00.00

F.A.I. RATE	SECTION	COUNTY	TOTAL SHEETS
0187	05-00121-07-WR	LAKE	223
			206
CONTRACT NO. 63765			

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

BY	DATE
TRIAL SURVEY	
SURVEY	
NOTE BOOK	
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AREAS CHECKED	

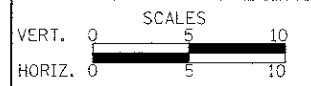
BY	DATE
ORIGINAL SURVEY	
PILOTED	
NOTE BOOK	
NO.	
AREAS CHECKED	



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CHECKED - RTM	REVISED -
DATE - 12/17/2012	REVISED -

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



**CROSS SECTIONS - WASHINGTON STREET**

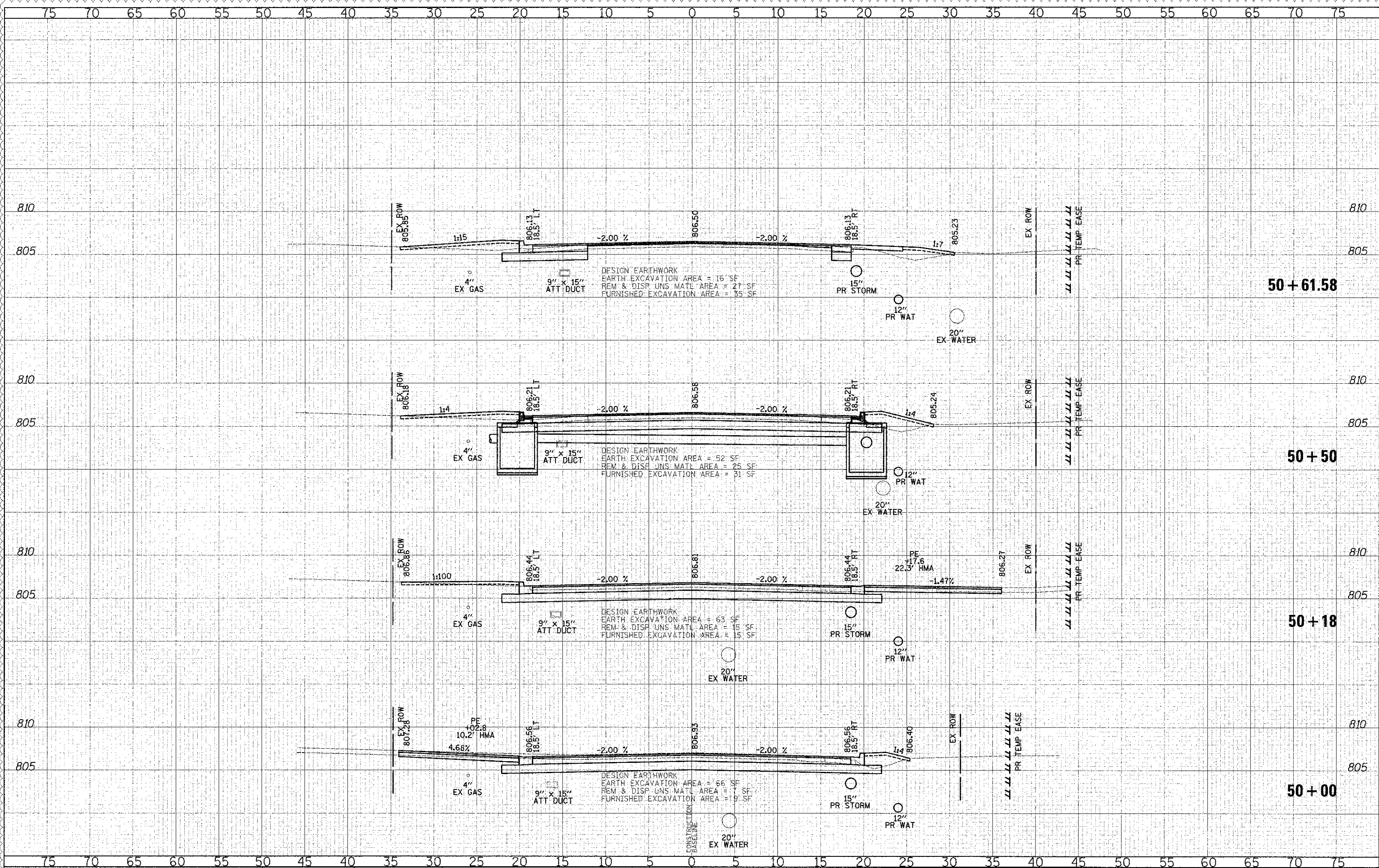
SHEET NO. 4C OF 49 SHEETS STA. 48+50.00 TO STA. 49+64.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	207
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



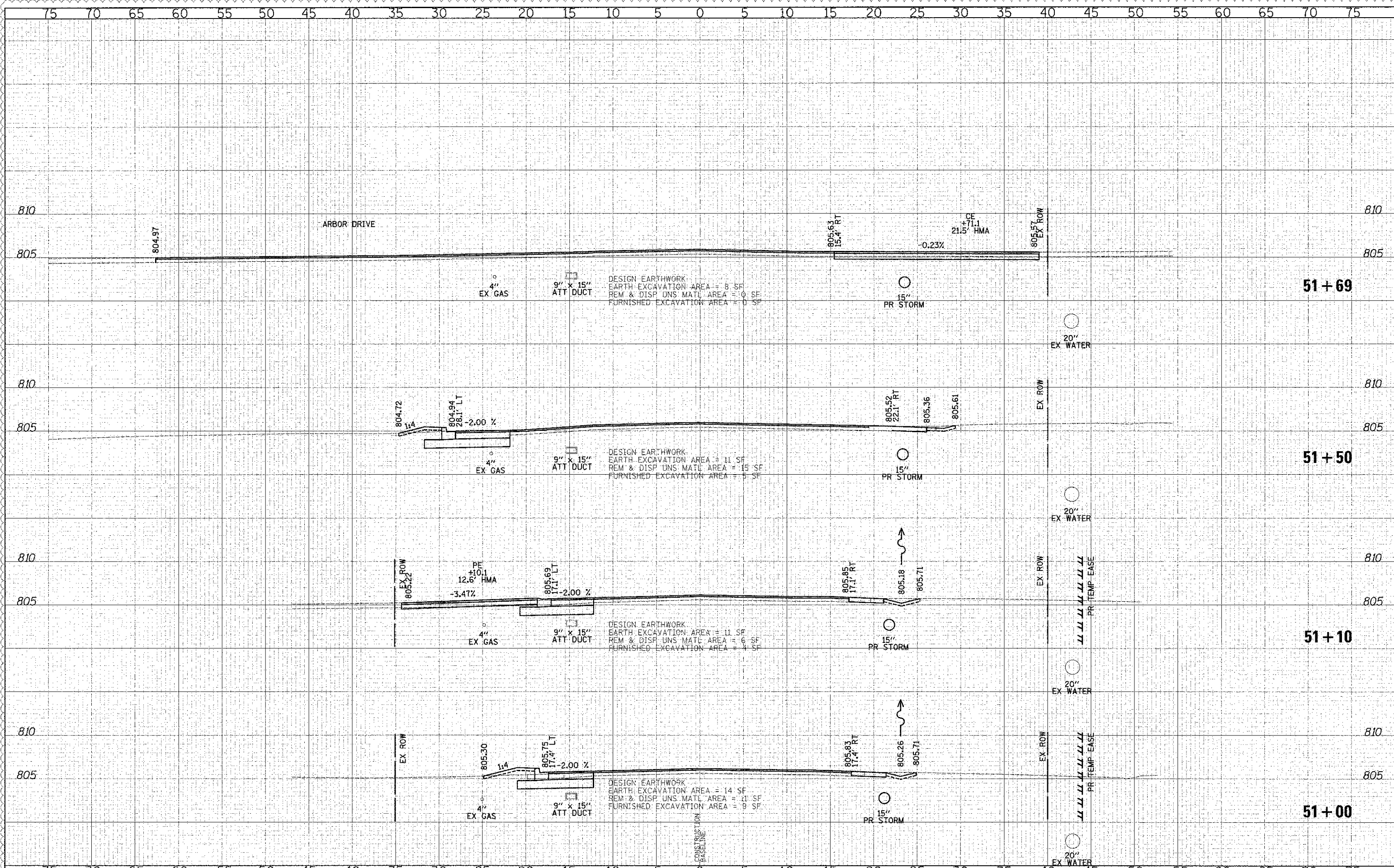
DATE	
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TRAC	SUBMITTED
SYNOPSIS	PLOTTED
NOTE BOOK	TEMPLATE
NO.	AREAS CHECKED

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TRAC	SUBMITTED
SYNOPSIS	PLOTTED
NOTE BOOK	TEMPLATE
NO.	AREAS CHECKED



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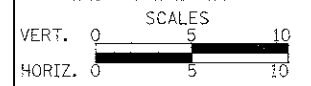
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**CROSS SECTIONS - WASHINGTON STREET**

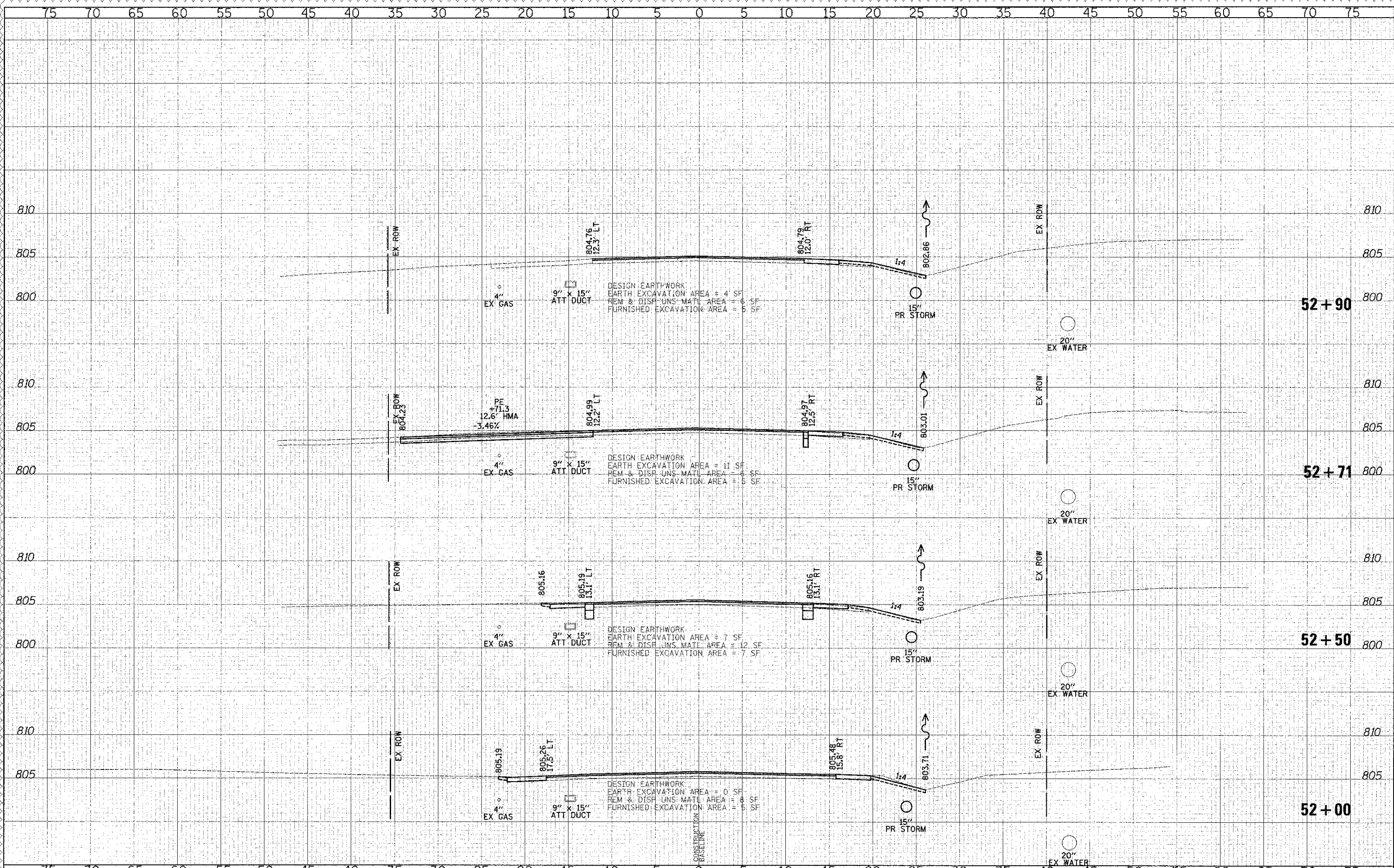
SHEET NO. 42 OF 49 SHEETS STA. 51+00.00 TO STA. 51+69.00

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	209
CONTRACT NO. 63765				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



BY	DATE
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DATE	

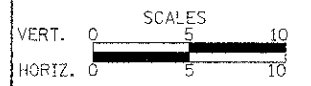
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DATE	- 12/17/2012	REVISED	-

**STATE OF ILLINOIS  
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**CROSS SECTIONS - WASHINGTON STREET**

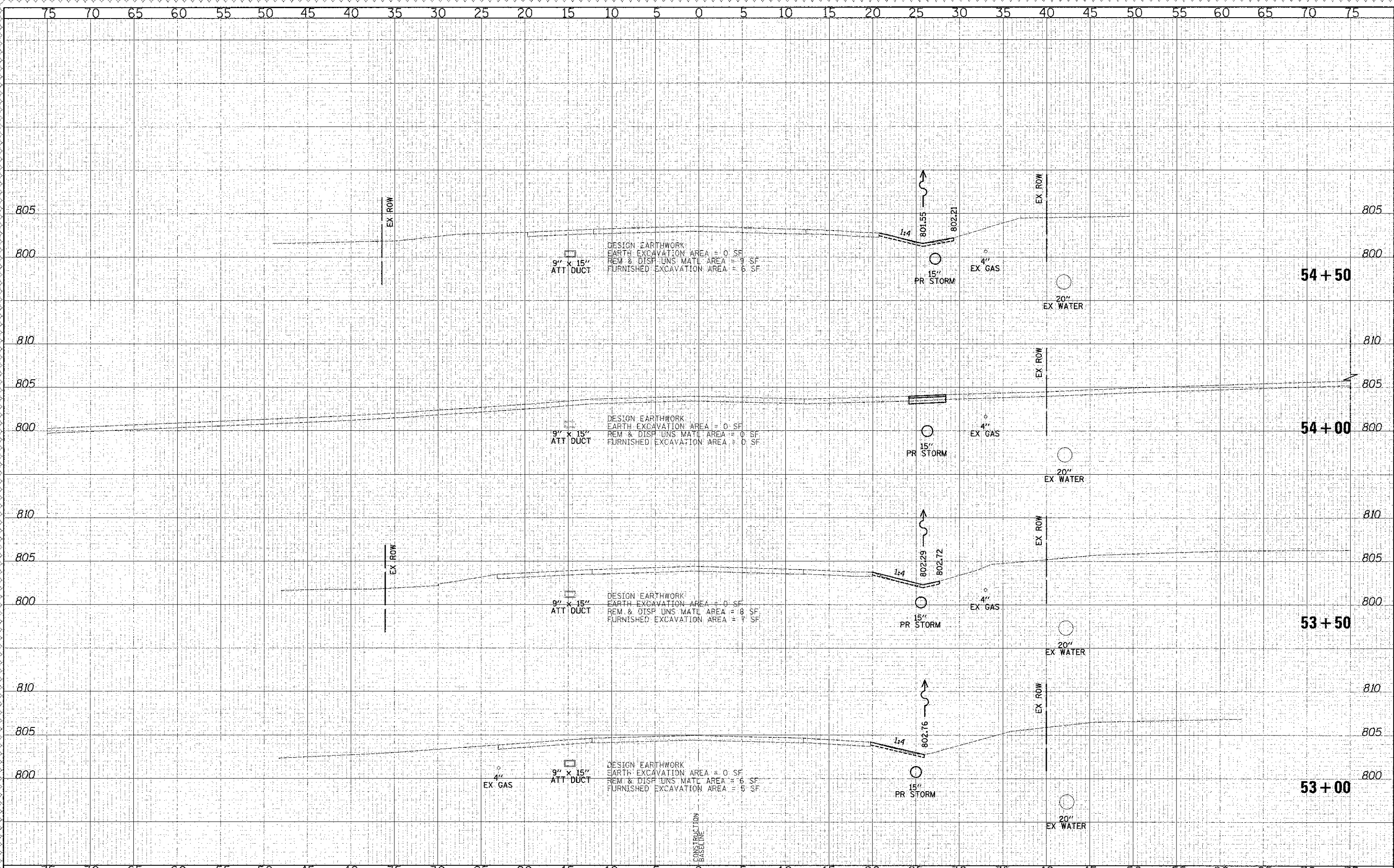
SHEET NO. 43 OF 49 SHEETS STA. 52+00.00 TO STA. 52+90.00

P.A.U. R.F.E.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
0187	05-00121-07-WR	LAKE	223 210
			CONTRACT NO. 63765

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

DATE	
BY	
REVISIONS	
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REVISIONS	
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REVISIONS	
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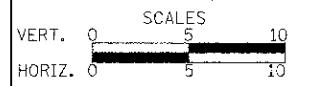
DATE	
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DATE -	12/17/2012	REVISED -	

**STATE OF ILLINOIS  
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**CROSS SECTIONS - WASHINGTON STREET**

SHEET NO. 44 OF 49 SHEETS STA. 53+00.00 TO STA. 54+50.00

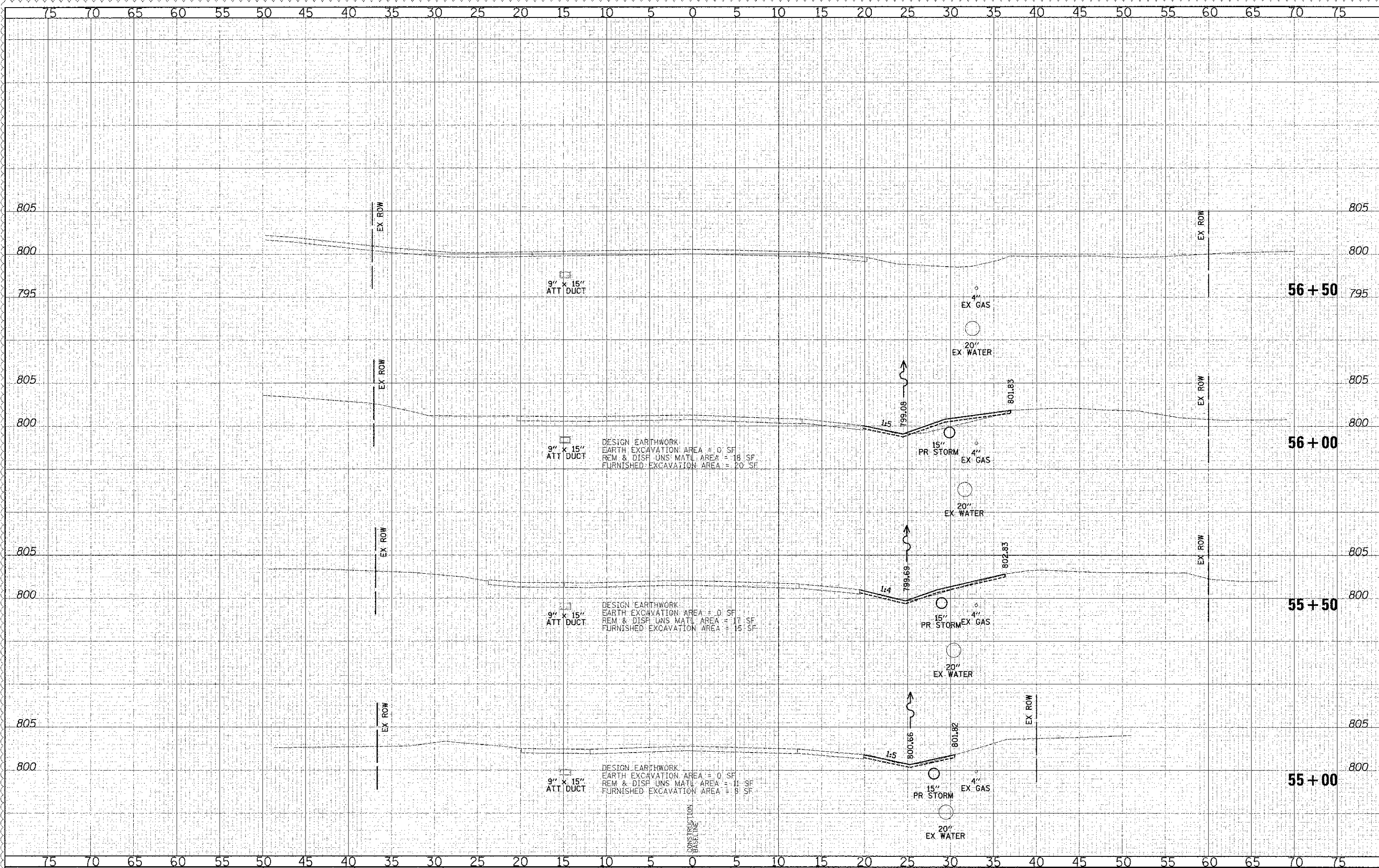
P.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	211
				CONTRACT NO. 63765

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



BY	DATE
DESIGNED	
DRAWN	
CHECKED	
DATE	

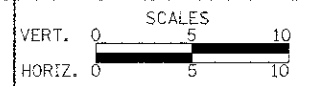
BY	DATE
DESIGNED	
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DATE - 12/17/2012	REVISED -

**STATE OF ILLINOIS  
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**CROSS SECTIONS - WASHINGTON STREET**

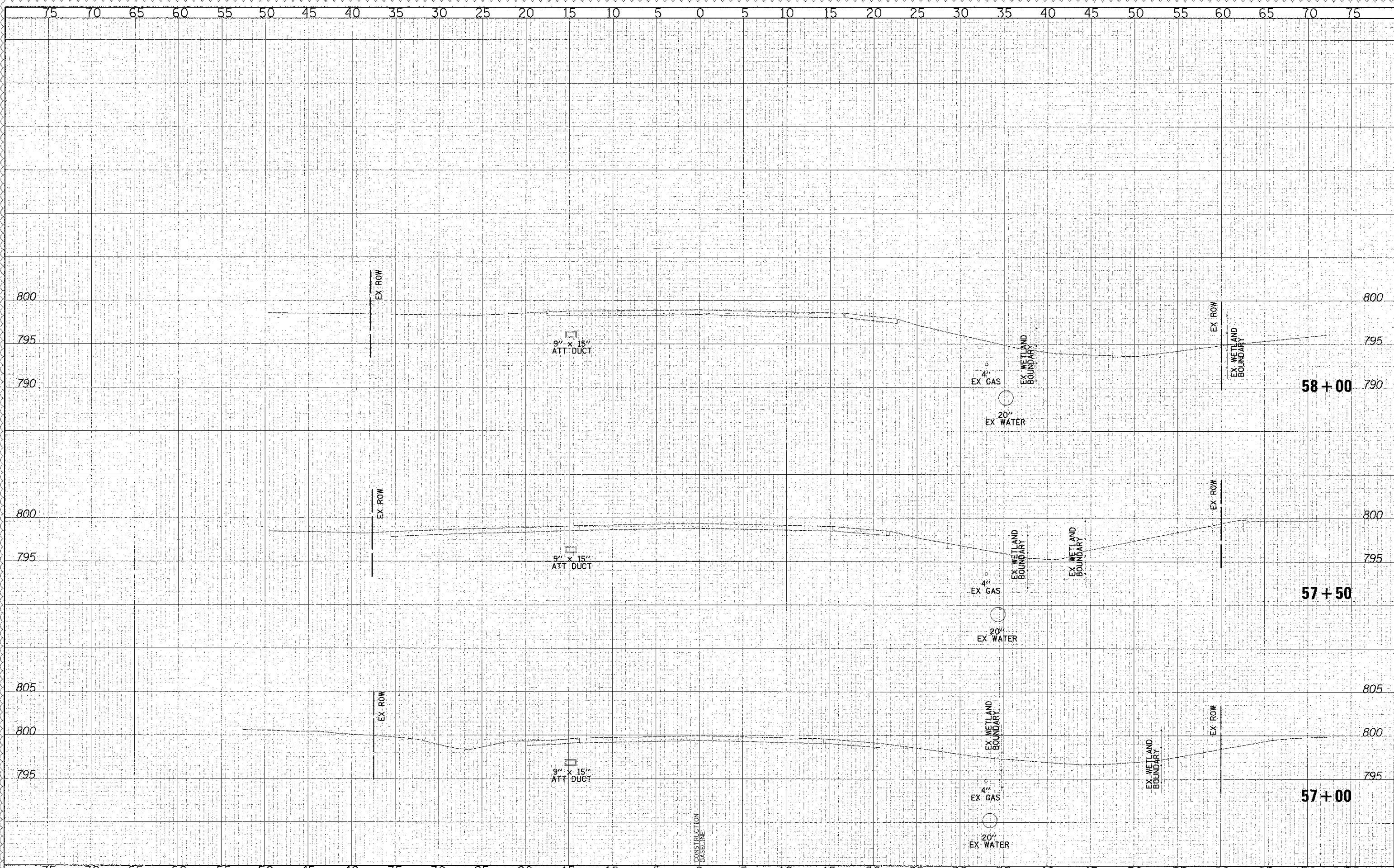
SHEET NO. 45 OF 49 SHEETS STA. 55+00.00 TO STA. 56+50.00

F.A.I.L. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
0187	05-00121-07-WR	LAKE	223 212
CONTRACT NO. 63765			

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

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
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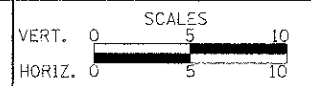
BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
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CROSS SECTIONS - WASHINGTON STREET

SHEET NO. 46 OF 49 SHEETS STA. 57+00.00 TO STA. 58+00.00

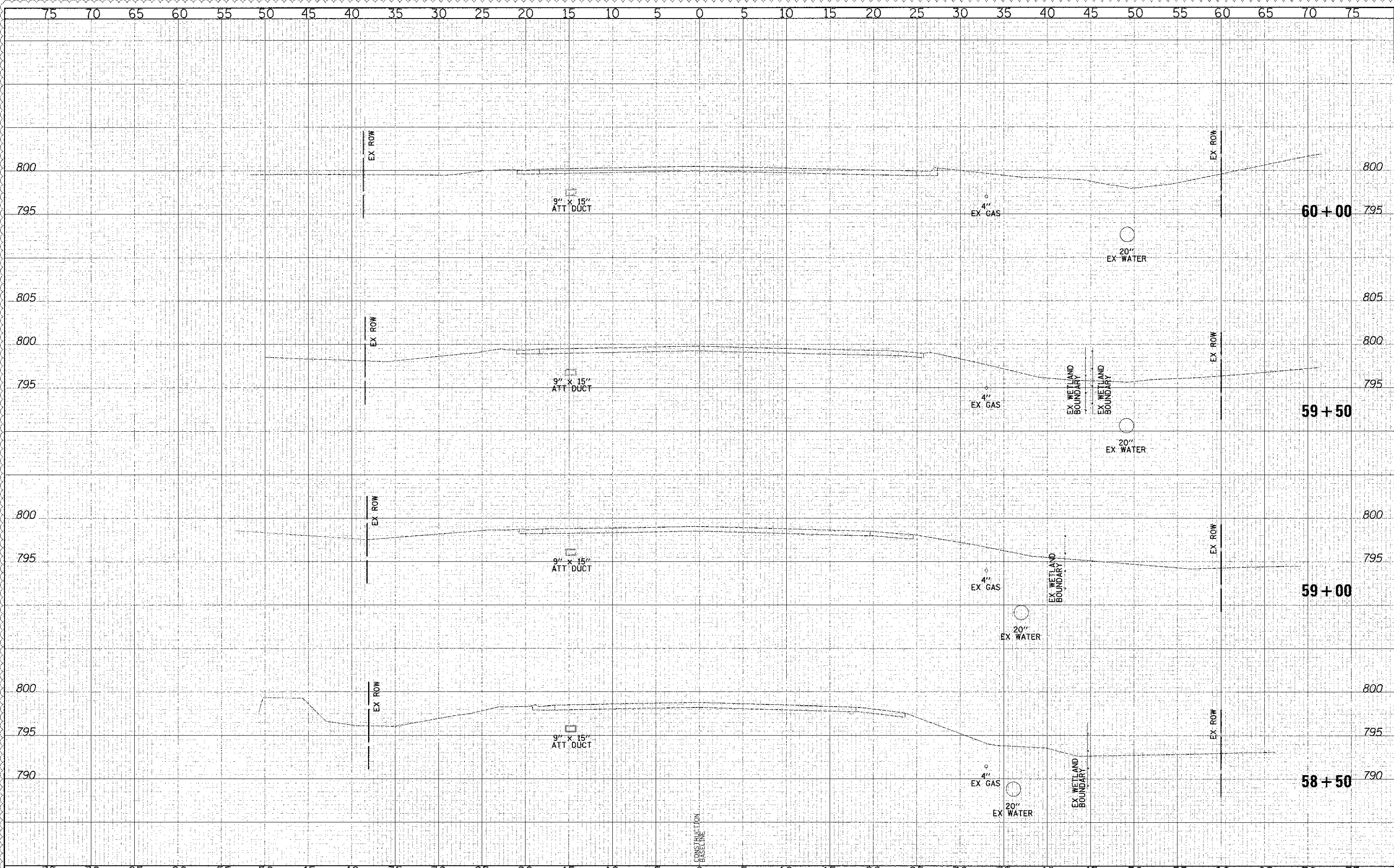
F.A.U. RTE. 0187	SECTION 05-0G121-07-WR	COUNTY LAKE	TOTAL SHEETS 223	SHEET NO. 213
CONTRACT NO. 63765				

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



DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREA CHECKED: \_\_\_\_\_

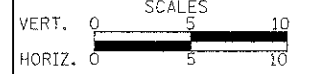
DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREA CHECKED: \_\_\_\_\_



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CROSS SECTIONS - WASHINGTON STREET

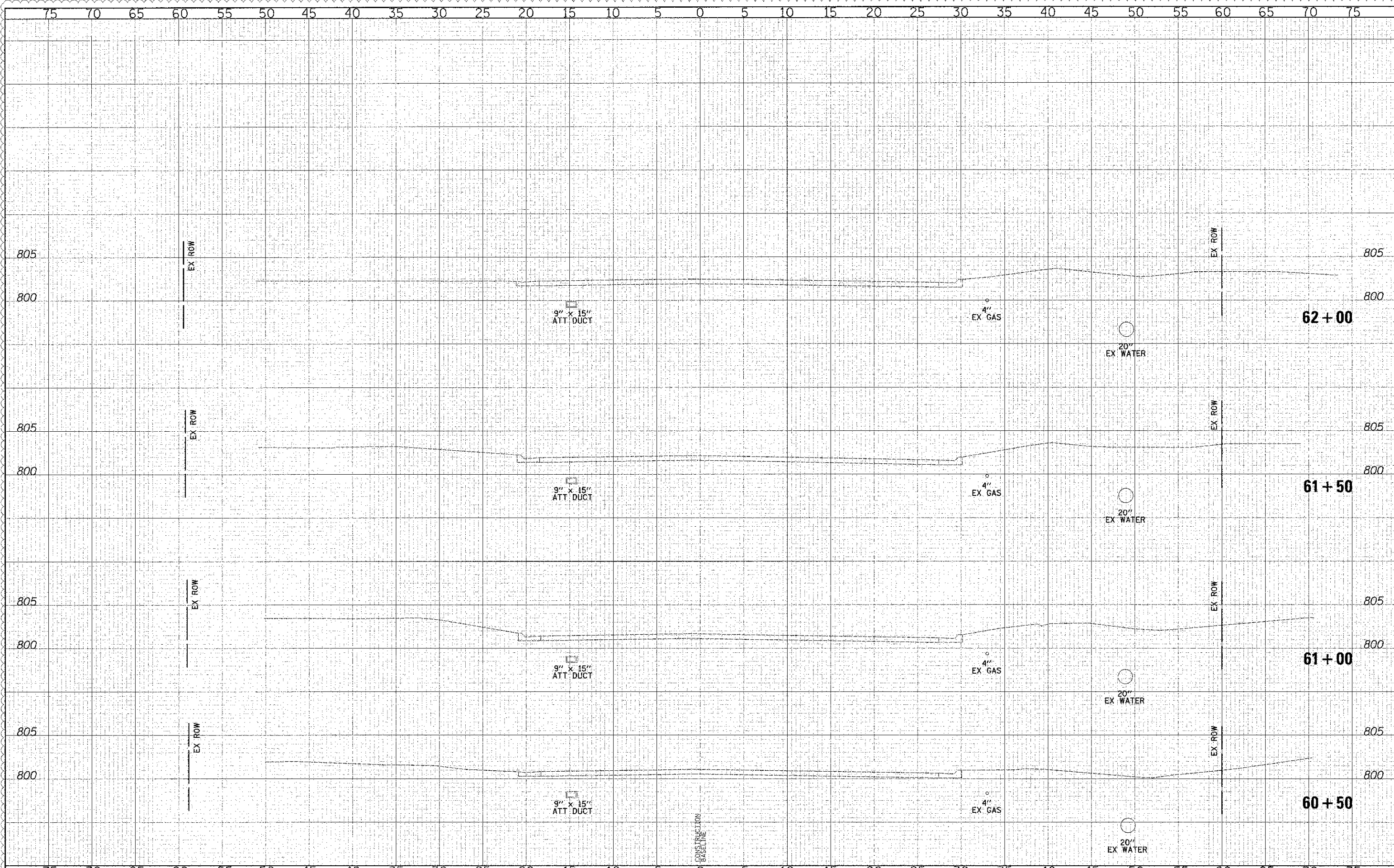
SHEET NO. 47 OF 49 SHEETS STA. 58+50.00 TO STA. 60+00.00

F.A.U. RTE. 0187	SECTION 05-00121-07-WR	COUNTY LAKE	TOTAL SHEETS 225	SHEET NO. 214
CONTRACT NO. 63765				

FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT

DATE	
BY	
DESIGNED	PK
DRAWN	JRR
CHECKED	RTM
DATE	12/17/2012

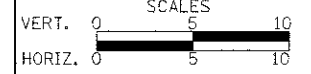
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DESIGNED	PK
DRAWN	JRR
CHECKED	RTM
DATE	12/17/2012



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DATE	12/17/2012	REVISED	-

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CROSS SECTIONS - WASHINGTON STREET

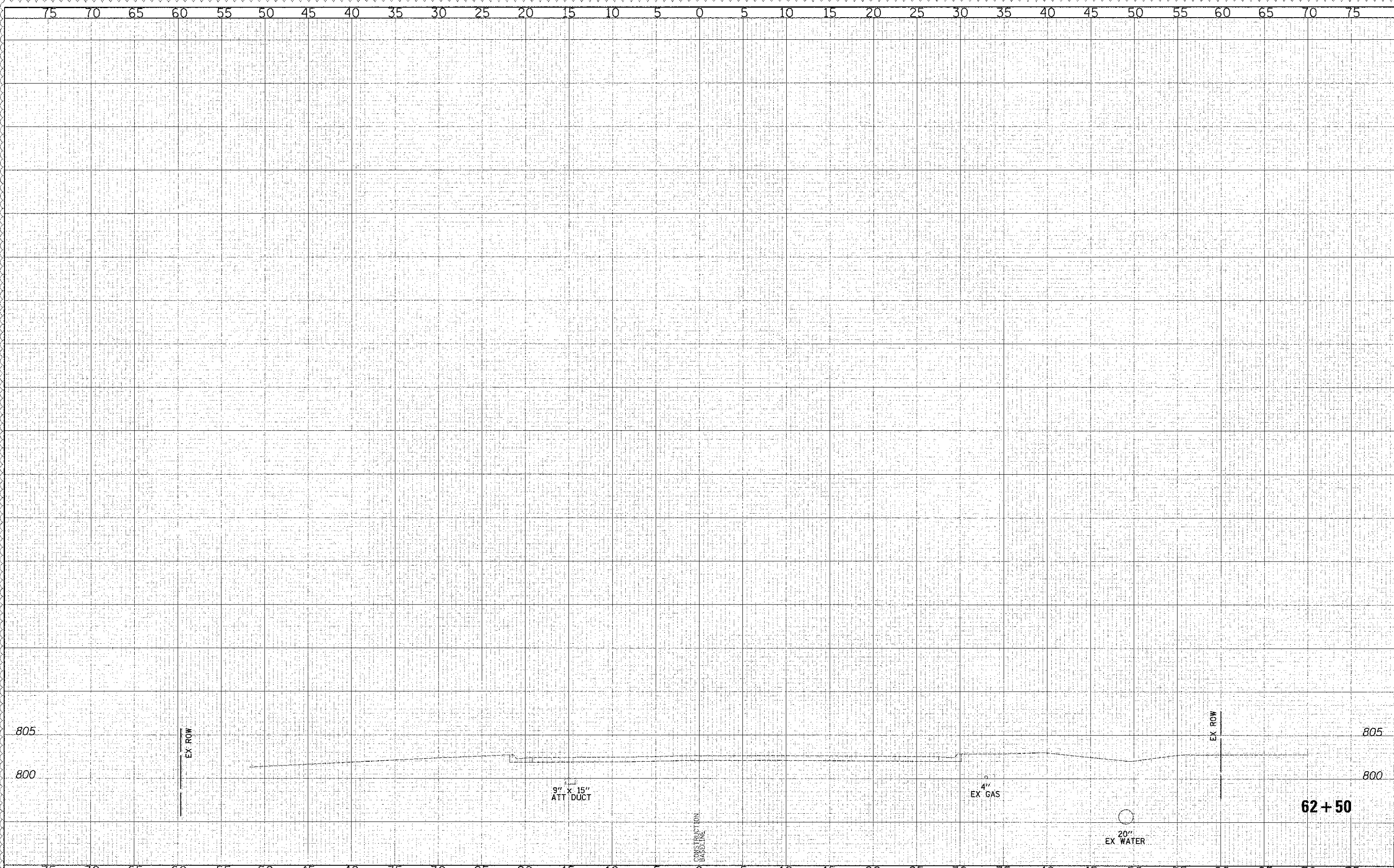
SHEET NO. 48 OF 49 SHEETS STA. 60+50.00 TO STA. 62+00.00

F.A.I.L. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
0187	05-00121-07-WR	LAKE	223 215
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 63765



DATE	
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SUBJECT	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

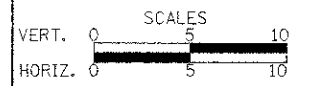
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BY	
PROJECT	
SUBJECT	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



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CROSS SECTIONS - WASHINGTON STREET

SHEET NO. 49 OF 49 SHEETS STA. 62+50.00 TO STA. 62+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0187	05-00121-07-WR	LAKE	223	216
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 63765