

|                     |                |                  |              |           |
|---------------------|----------------|------------------|--------------|-----------|
| F.A.U. RTE.         | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN           | 56           | 1         |
| STA.                | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS       | FED. AID PROJECT |              |           |

# CITY OF BLOOMINGTON, ILLINOIS

## CONSTITUTION TRAIL

### EXTENSION

#### FROM CROXTON AVENUE

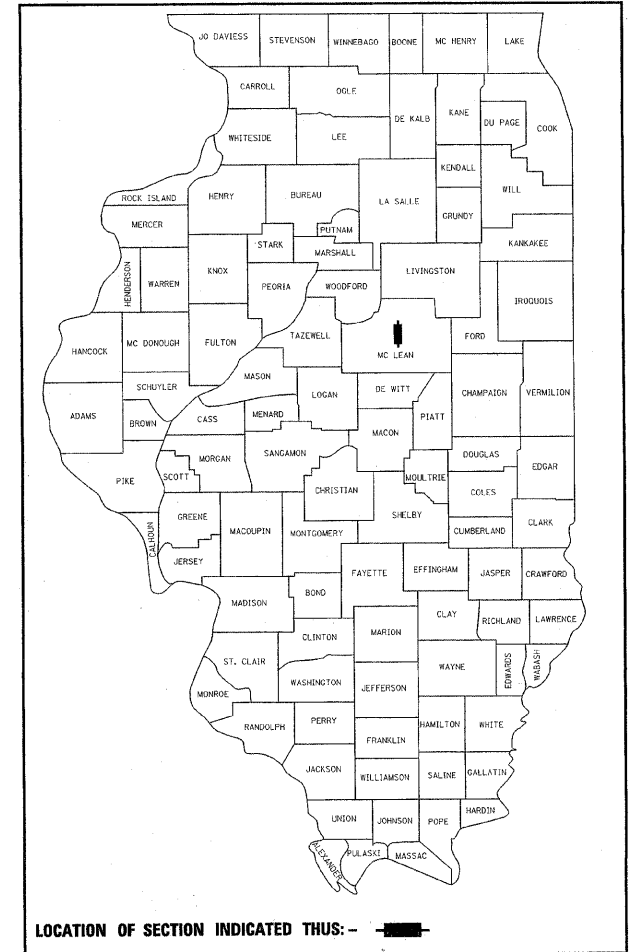
#### TO GROVE STREET

## McLEAN COUNTY

### PROJECT NO. HPP-4070(001)

### JOB NO. C-95-325-07

### M.F.T. SECTION 05-00333-00-BT



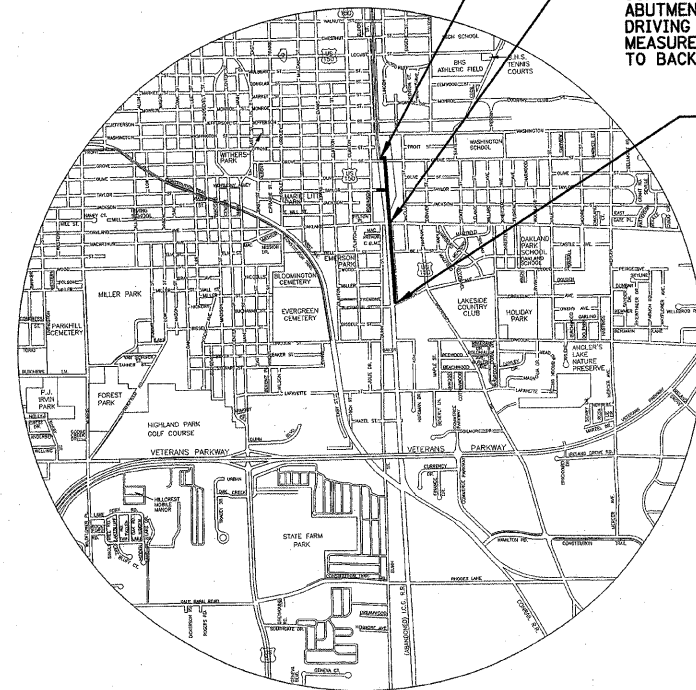
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| 664001-02   | CHAIN LINK FENCE  |
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NOTE:  
FOR BENCH MARKS  
SEE SHEET NO. 3



IMPROVEMENT ENDS  
STA 124+89.43

PROPOSED STRUCTURE NO. 057-6340  
THE PROPOSED BRIDGE SUPERSTRUCTURE IS A  
THREE-SPAN PREFABRICATED STEEL BRIDGE  
WITH A CAST-IN-PLACE CONCRETE DECK. THE  
SUBSTRUCTURE CONSISTS OF SPILL-THRU  
ABUTMENTS ON PILES AND PIERS BUILT FROM  
DRIVING PILES. THE BRIDGE IS NOT SKEWED,  
MEASURES 12'-0" RAIL TO RAIL AND 22'-8" BACK  
TO BACK OF ABUTMENTS.

IMPROVEMENT BEGINS  
STA 91+74.67  
CROXTON AVENUE

Approved MARCH 6 2009  
*Doug Grovesteen*  
Doug Grovesteen, Director of Engineering,  
City of Bloomington

Passed 3/26 2009  
*David A. Se...*  
District #5 Engineer of Local Roads & Streets

Releasing for Bid  
Based on Limited  
Review 3/26/09  
*Joseph E. ...*  
Deputy Director of Highways, Region #3 Engineer

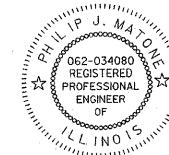
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CITY OF BLOOMINGTON, ILLINOIS  
MFT SECTION 05-00333-00-BT

COVER SHEET

|                   |  |                      |
|-------------------|--|----------------------|
| DRAWN BY<br>DRR   | <p><b>Farnsworth GROUP</b><br/>2700 McGraw Drive<br/>Bloomington, Illinois 61704<br/>309/593-8436 309/593-5711 fax</p> | FILE NO.<br>24-8173  |
| DATE<br>01/30/09  |  | BOOK NO.<br>2752     |
| CHECKED BY<br>PJM |  | SHEET NO.<br>1 OF 56 |

GROSS LENGTH OF PROJECT = 3,314.76 FEET (0.628 MILES)  
NET LENGTH OF PROJECT = 3,314.76 FEET (0.628 MILES)  
FUNCTIONAL CLASSIFICATION: BICYCLE/PEDESTRIAN PATH



*Philip J. Matone* 3/6/09  
PHILIP J. MATONE  
REGISTERED PROFESSIONAL ENGINEER  
NO. 062-034080  
EXPIRATION 11/30/09

SUMMARY OF APPROXIMATE QUANTITIES

SUMMARY OF APPROXIMATE QUANTITIES

| F.A.U. RTE.         | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|---------------------------|--------------|-----------|
| 05-00333-00-BT      | McLEAN  | 56                        | 2            |           |
| STA.                |         | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |              |           |

| CODE      | ITEM   | UNIT  | QUANTITY | 100% CITY | CODE      | ITEM  | UNIT   | QUANTITY | 100% CITY |
|-----------|--|-------|----------|-----------|-----------|---|--------|----------|-----------|
|           |  |       | MFT      |           |           |   |        | MFT      |           |
| 20200100  | EARTH EXCAVATION   | CU YD | 1,206    |           | 66400105  | CHAIN LINK FENCE, 4'                              | FOOT   | 20       |           |
| 20201200  | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL                | CU YD | 380      |           | 66400505  | CHAIN LINK FENCE, 8'                              | FOOT   | 285      |           |
| 20400800  | FURNISHED EXCAVATION                                       | CU YD | 1,342    |           | 66400555  | CHAIN LINK FENCE, 5' (SPECIAL)                    | FOOT   | 485      |           |
| 20700400  | POROUS GRANULAR EMBANKMENT, SPECIAL                        | CU YD | 385      |           | 66400560  | CHAIN LINK FENCE, 6' (SPECIAL)                    | FOOT   | 2,830    |           |
| 20800150  | TRENCH BACKFILL  | CU YD | 305      |           | 67100100  | MOBILIZATION                                      | L. SUM | 1        |           |
| 20800250  | TRENCH BACKFILL, SPECIAL                                   | CU YD |          | 132       | 70103700  | TRAFFIC CONTROL COMPLETE                          | L. SUM | 1        |           |
| 21001000  | GEOTECHNICAL FABRIC FOR GROUND STABILIZATION               | SQ YD | 1,000    |           | *78001110 | PAINT PAVEMENT MARKING-LINE 4"                    | FOOT   | 2,830    |           |
| 21101505  | TOPSOIL EXCAVATION AND PLACEMENT                           | CU YD | 382      |           | *78001130 | PAINT PAVEMENT MARKING-LINE 6"                    | FOOT   | 60       |           |
| 25000110  | SEEDING, CLASS 1   | ACRE  | 0.7      |           | *78001150 | PAINT PAVEMENT MARKING-LINE 12"                   | FOOT   | 90       |           |
| 25000400  | NITROGEN FERTILIZER NUTRIENT                               | POUND | 63       |           | Z0010615  | CLEANING EXISTING INLETS                          | EACH   | 1        |           |
| 25000500  | PHOPOROUS FERTILIZER NUTRIENT                              | POUND | 63       |           | Z0013798  | CONSTRUCTION LAYOUT                               | L. SUM | 1        |           |
| 25000600  | POTASSIUM FERTILIZER NUTRIENT                              | POUND | 63       |           | Z0077740  | WOOD GUARD RAIL                                   | FOOT   | 340      |           |
| 25100115  | MULCH, METHOD 2  | ACRE  | 0.7      |           | XX002118  | STORM SEWER, DUCTILE IRON, 12"                    | FOOT   | 860      |           |
| 28000255  | TEMPORARY EROSION CONTROL SEEDING                          | ACRE  | 0.7      |           | *XX003526 | DUCTILE IRON WATER MAIN FITTINGS 8"x 6" REDUCER   | EACH   |          | 3         |
| 28000300  | TEMPORARY DITCH CHECKS                                     | EACH  | 1        |           | *XX003538 | DUCTILE IRON WATER MAIN FITTINGS 8" TEE           | EACH   |          | 3         |
| 28000400  | PERIMETER EROSION BARRIER                                  | FOOT  | 2,000    |           | *XX003539 | DUCTILE IRON WATER MAIN FITTINGS 8"x 6" TEE       | EACH   |          | 1         |
| 28000500  | INLET AND PIPE PROTECTION                                  | EACH  | 25       |           | *XX003544 | DUCTILE IRON WATER MAIN FITTINGS, 6" 90 DEGREE    | EACH   |          | 1         |
| 28100225  | STONE RIPRAP, CLASS B3                                     | TON   | 10       |           | Z0034210  | MECHANICALLY STABILIZED EARTH RETAINING WALL      | SQ FT  | 2,452    |           |
| 28200200  | FILTER FABRIC  | SQ YD | 20       |           | *XX004377 | STEAMER FIRE HYDRANTS                             | EACH   |          | 5         |
| 31101000  | SUB-BASE GRANULAR MATERIAL, TYPE B                         | TON   | 500      |           | *XX004731 | CONNECTION TO EXISTING WATER MAIN                 | EACH   |          | 2         |
| 35101400  | AGGREGATE BASE COURSE, TYPE B                              | TON   | 2,000    |           | XX004895  | PIPE UNDERDRAIN CLEANOUT, COMPLETE                | EACH   |          | 8         |
| 40201000  | AGGREGATE FOR TEMPORARY ACCESS                             | TON   | 65       |           | *XX005478 | DUCTILE IRON WATER MAIN, 6" RESTRAINED JOINT      | FOOT   |          | 105       |
| 40600100  | BITUMINOUS MATERIALS (PRIME COAT)                          | GAL   | 2,235    |           | *XX005479 | DUCTILE IRON WATER MAIN, 8" RESTRAINED JOINT      | FOOT   |          | 380       |
| 40600615  | LEVELING BINDER (MACHINE METHOD), N30                      | TON   | 245      |           | *XX005790 | RECONNECT SANITARY SERVICE LATERALS, 6"           | EACH   |          | 6         |
| 40603100  | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N30                | TON   | 55       |           | *XX006168 | SAMPLING AND CHLORINATION TAP                     | EACH   |          | 2         |
| 40603305  | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30               | TON   | 950      |           | *XX007027 | TRENCH BACKFILL, WATER MAIN                       | CU YD  |          | 464       |
| 42001400  | BRIDGE APPROACH PAVEMENT, SPECIAL                          | SQ YD | 27       |           | XX104100  | CONNECTION TO EXISTING MANHOLE                    | EACH   |          | 3         |
| 42001420  | BRIDGE APPROACH PAVEMENT CONNECTOR (ASPHALT)               | SQ YD | 16       |           | *X0300020 | WATER SERVICE CONNECTION                          | EACH   |          | 11        |
| 42400100  | PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH                   | SQ FT | 3,185    |           | X0322508  | PEDESTRIAN TRUSS SUPERSTRUCTURE                   | SQ FT  | 2,714    |           |
| 42400300  | PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH                   | SQ FT | 505      |           | X0322923  | SEGMENTAL CONCRETE BLOCK WALL                     | SQ FT  | 2,375    |           |
| 42400800  | DETECTABLE WARNINGS  | SQ FT | 22       |           | *X0323175 | DUCTILE IRON WATER MAIN BEND, 90 DEGREE, 8 INCHES | EACH   |          | 1         |
| 44000100  | PAVEMENT REMOVAL   | SQ YD | 900      |           | X0632001  | CLEAR PROTECTIVE COATING FOR CONCRETE             | SQ FT  | 4,286    |           |
| 44000200  | DRIVEWAY PAVEMENT REMOVAL                                  | SQ YD | 40       |           | XX007996  | GATE VALVES W/ RESTRAINED JOINT AND BOX, 6"       | EACH   |          | 7         |
| 44000300  | CURB REMOVAL   | FOOT  | 85       |           | XX007997  | GATE VALVES W/ RESTRAINED JOINT AND BOX, 8"       | EACH   |          | 3         |
| 44000500  | COMBINATION CURB AND GUTTER REMOVAL                        | FOOT  | 330      |           | XX007998  | INLETS, TYPE H, TYPE 50 FRAME AND GRATE           | EACH   |          | 7         |
| 44000600  | SIDEWALK REMOVAL   | SQ FT | 3,770    |           | *XX007999 | SANITARY MANHOLES WITH TYPE 1 FRAME AND GRATE     | EACH   |          | 3         |
| 44200276  | PAVEMENT PATCHING, TYPE II                                 | SQ YD | 65       |           | *XX008000 | DUCTILE IRON SANITARY SEWER 12"                   | FOOT   | 400      |           |
| 44201974  | CLASS D PATCHES, TYPE I                                    | SQ YD | 5        |           |           |   |        |          |           |
| 48101200  | AGGREGATE SHOULDERS, TYPE B                                | TON   | 25       |           |           |   |        |          |           |
| 50102400  | CONCRETE REMOVAL   | CU YD | 40       |           |           |   |        |          |           |
| 50105220  | PIPE CULVERT REMOVAL                                       | FOOT  | 40       |           |           |   |        |          |           |
| 50300225  | CONCRETE STRUCTURES  | CU YD | 17.7     |           |           |   |        |          |           |
| 50300280  | CONCRETE ENCASMENT   | CU YD | 16.6     |           |           |   |        |          |           |
| 50800205  | REINFORCEMENT BARS, EPOXY COATED                           | POUND | 2,760    |           |           |   |        |          |           |
| 51201400  | FURNISHING STEEL PILES HP10X42                             | FOOT  | 620      |           |           |   |        |          |           |
| 51202305  | DRIVING PILES  | FOOT  | 620      |           |           |   |        |          |           |
| 51203400  | TEST PILE SHEET HP10X42                                    | EACH  | 2        |           |           |   |        |          |           |
| 51500100  | NAME PLATES  | EACH  | 1        |           |           |   |        |          |           |
| 52100520  | ANCHOR BOLTS, 1"   | EACH  | 24       |           |           |   |        |          |           |
| 550A0050  | STORM SEWER, CLASS A, TYPE 1 12"                           | FOOT  | 210      |           |           |   |        |          |           |
| 550A0340  | STORM SEWER, CLASS A, TYPE 2 12"                           | FOOT  | 140      |           |           |   |        |          |           |
| 55100100  | STORM SEWER REMOVAL 4"                                     | FOOT  | 15       |           |           |   |        |          |           |
| 55100500  | STORM SEWER REMOVAL 12"                                    | FOOT  | 20       |           |           |   |        |          |           |
| *56103100 | DUCTILE IRON WATER MAIN, 8"                                | FOOT  |          | 725       |           |   |        |          |           |
| *56400100 | FIRE HYDRANTS TO BE MOVED                                  | EACH  |          | 1         |           |   |        |          |           |
| *56400400 | FIRE HYDRANTS TO BE RELOCATED                              | EACH  |          | 1         |           |   |        |          |           |
| *56400500 | FIRE HYDRANTS TO BE REMOVED                                | EACH  |          | 3         |           |   |        |          |           |
| *56500600 | DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED                | EACH  |          | 11        |           |   |        |          |           |
| 58700300  | CONCRETE SEALER  | SQ FT | 144      |           |           |   |        |          |           |
| 59100100  | GEOCOMPOSITE WALL DRAIN                                    | SQ YD | 10       |           |           |   |        |          |           |
| 60109580  | PIPE UNDERDRAINS FOR STRUCTURES 4"                         | FOOT  | 870      |           |           |   |        |          |           |
| 60218300  | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME AND OPEN LID   | EACH  | 3        |           |           |   |        |          |           |
| 60218400  | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME AND CLOSED LID | EACH  | 1        |           |           |   |        |          |           |
| 60236200  | INLETS, TYPE A, TYPE 8 GRATE                               | EACH  | 3        |           |           |   |        |          |           |
| 60238710  | INLETS, TYPE A WITH SPECIAL GRATE                          | EACH  | 1        |           |           |   |        |          |           |
| 60240210  | INLETS, TYPE B, TYPE 1 FRAME, OPEN LID                     | EACH  | 1        |           |           |   |        |          |           |
| 60240301  | INLETS, TYPE B, TYPE 8 GRATE                               | EACH  | 1        |           |           |   |        |          |           |
| 60255500  | MANHOLES TO BE ADJUSTED                                    | EACH  | 6        |           |           |   |        |          |           |
| 60257600  | MANHOLES TO BE ADJUSTED WITH FRAME AND GRATE (SPECIAL)     | EACH  | 1        |           |           |   |        |          |           |
| 60260100  | INLETS TO BE ADJUSTED                                      | EACH  | 1        |           |           |   |        |          |           |
| 60266600  | VALVE BOXES TO BE ADJUSTED                                 | EACH  | 3        |           |           |   |        |          |           |
| 60500060  | REMOVING INLETS  | EACH  | 1        |           |           |   |        |          |           |
| 60500070  | REMOVING MANHOLES TO MAINTAIN FLOW                         | EACH  | 1        |           |           |   |        |          |           |
| 60500090  | REMOVING INLETS TO MAINTAIN FLOW                           | EACH  | 1        |           |           |   |        |          |           |
| 60602400  | CONCRETE GUTTER (SPECIAL)                                  | FOOT  | 250      |           |           |   |        |          |           |
| 60602800  | CONCRETE GUTTER, TYPE B                                    | FOOT  | 585      |           |           |   |        |          |           |
| 60603300  | GUTTER OUTLET  | EACH  | 4        |           |           |   |        |          |           |
| 60604400  | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18          | FOOT  | 65       |           |           |   |        |          |           |
| 60606800  | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.18          | FOOT  | 1,455    |           |           |   |        |          |           |

GENERAL NOTES

- SEEDING, SODDING AND THE APPLICATION OF FERTILIZER(S) ARE INCLUDED AS PART OF THIS PROJECT.
- ALL SAW CUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE MINIMUM SAW CUT DEPTH SHALL BE 1-1/2" UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- ALL SIDEWALKS SHALL BE CONSTRUCTED WITH HANDICAP ACCESSIBLE RAMPS AT ALL INTERSECTIONS AS PER STANDARD 4240001. PAYMENT FOR THESE RAMPS SHALL BE MADE AT THE COST PER SQUARE FOOT FOR P.C. CONCRETE SIDEWALK OF THE THICKNESS NOTED. DETECTABLE WARNINGS SHALL BE MEASURED AND PAID FOR SEPARATELY.
- ALL ABANDONED SEWER AND INLET LEADS SHALL BE PLUGGED WITH PORTLAND CEMENT CONCRETE AS INCIDENTAL TO THIS CONTRACT.
- THE EXISTING ROAD SIGNS THAT INTERFERE WITH THE CONSTRUCTION SHALL BE REMOVED BY THE CITY OF BLOOMINGTON. THE CONTRACTOR SHALL GIVE THE CITY 48 HOURS NOTICE (EXCLUSIVE OF WEEKENDS OR HOLIDAYS) BEFORE COMMENCING ACTIVITIES REQUIRING SIGN REMOVAL AND/OR RELOCATION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR REMOVE CITY SIGNS.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:
 

|   |                                |
|---|--------------------------------|
| HOT-MIX ASPHALT PRIME COAT (MC-30)      | 0.4 GALS/ SQ YD (ON AGGREGATE) |
| HOT-MIX ASPHALT PRIME COAT (RC-70)      | 0.10 GALS/ SQ YD               |
| HOT-MIX ASPHALT CONCRETE BINDER COURSE  | 112 LB/ SQ YD/ IN              |
| HOT-MIX ASPHALT CONCRETE SURFACE COURSE | 112 LB/ SQ YD/ IN              |
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. TELEPHONE NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED. MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE PROJECT AREA ARE:
  - CITY OF BLOOMINGTON
  - AMEREN I.P.
  - COMCAST COMMUNICATIONS
  - NICOR GAS
  - VERIZON NORTH
- ALL FENCE REMOVAL SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID PER CUBIC YARD FOR EARTH EXCAVATION. NO SEPARATE PAYMENT SHALL BE MADE.

| SEEDING                  |                  |                              |                                |                               |                 |                                   |
|--------------------------|------------------|------------------------------|--------------------------------|-------------------------------|-----------------|-----------------------------------|
| LOCATION                 | SEEDING, CLASS I | NITROGEN FERTILIZER NUTRIENT | PHOSPHORUS FERTILIZER NUTRIENT | POTASSIUM FERTILIZER NUTRIENT | MULCH, METHOD 1 | TEMPORARY EROSION CONTROL SEEDING |
|                          | ACRE             | POUND                        | POUND                          | POUND                         | ACRE            | ACRE                              |
| CONSTITUTION TRAIL       | 0.65             | 59                           | 59                             | 59                            | 0.65            | 0.65                              |
| OAKLAND AVENUE CONNECTOR | 0.01             | 1                            | 1                              | 1                             | 0.01            | 0.01                              |
| TAYLOR STREET CONNECTOR  | 0.04             | 3                            | 3                              | 3                             | 0.04            | 0.04                              |
| TOTALS                   | 0.7              | 63                           | 63                             | 63                            | 0.7             | 0.7                               |

| EARTHWORK SCHEDULE SUMMARY - FOR INFORMATION ONLY |                              |  |      |                                     |   |                                      |   |  |
|---|------------------------------|--|------|-------------------------------------|---|--------------------------------------|---|--|
| EARTHWORK LOCATION                                | RAW EARTH EXCAVATION (CU YD) | TOPSOIL EXCAVATION & PLACEMENT (CU YD) |      | EARTH EXC. ADJUSTED TOPSOIL (CU YD) | EARTH EXC. ADJUSTED FOR SHRINKAGE (2% S.F.) (CU YD) | EMBANKMENT INCLUDING TOPSOIL (CU YD) | EMBANKMENT ADJUSTMENT FOR TOPSOIL (CU YD) | EARTH EXCAVATION WASTE (+) OR SHORTAGE (-) (CU YD) |
|   |                              | CUT                                    | FILL |                                     |   |                                      |   |  |
| CONSTITUTION TRAIL                                | 909                          | 149                                    | 206  | 1,058                               | 794   | 2,443                                | 2,237                                     | -1,443   |
| OAKLAND AVENUE CONNECTOR                          | 22                           | 2                                      | 4    | 24                                  | 18  | 14                                   | 10  | +8   |
| TAYLOR STREET CONNECTOR                           | 104                          | 20                                     | 1    | 124                                 | 93  | 0                                    | 0   | +93  |
| TOTALS  | 1,035                        | 171                                    | 211  | 1,206                               | 905   | 2,457                                | 2,247                                     | -1,342   |

| MIXTURE TABLE        |                          |                                |
|----------------------|--------------------------|--------------------------------|
| LOCATION             | CONSTITUTION TRAIL       | CONSTITUTION TRAIL             |
| MIXTURE USE          | SURFACE AND LEVEL BINDER | BINDER AND BR APPRO PVMT CONN. |
| AC/PG                | PG 64-22                 | PG 64-22                       |
| RAP % (MAX)          | 15                       | 30                             |
| DESIGN AIR VOIDS     | 4.0% @ NDES=30           | 4.0% @ NDES=30                 |
| MIX COMP (GRADATION) | IL-9.5L                  | IL-19.0L                       |
| FRICTION AGGREGATE   | MIX C                    | N.A.                           |

| UTILITY AGENCIES THAT RECEIVED PLANS |                      |                  |
|--------------------------------------|----------------------|------------------|
| UTILITY AGENCY                       | PRE-FINAL PLANS SENT | FINAL PLANS SENT |
| AMEREN I.P.                          | NOVEMBER 3, 2008     | MARCH 6, 2009    |
| NICOR GAS                            | NOVEMBER 3, 2008     | MARCH 6, 2009    |
| VERIZON NORTH                        | NOVEMBER 3, 2008     | MARCH 6, 2009    |
| COMCAST COMMUNICATIONS               | NOVEMBER 3, 2008     | MARCH 6, 2009    |
| CITY OF BLOOMINGTON                  | NOVEMBER 3, 2008     | MARCH 6, 2009    |

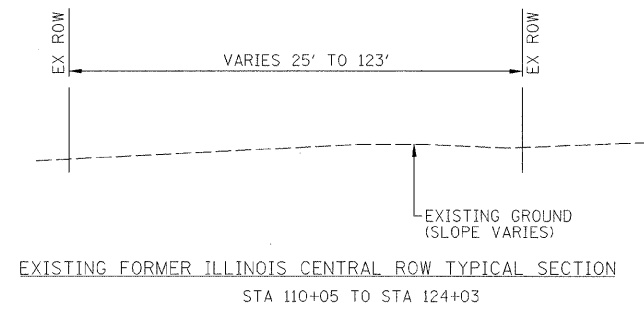
CITY OF BLOOMINGTON, ILLINOIS  
MFT SECTION 05-00333-00-BT

SUMMARY OF QUANTITIES

|                   |   |                      |
|-------------------|---|----------------------|
| DRAWN BY<br>DRR   |  <p>2700 McGraw Drive<br/>Bloomington, Illinois 61704<br/>309/555-6455, 309/555-5711 fax</p> | FILE NO.<br>24-8173  |
| DATE<br>01/30/09  |   | BOOK NO.<br>2752     |
| CHECKED BY<br>PJM |   | SHEET NO.<br>2 OF 56 |
|                   |   |                      |

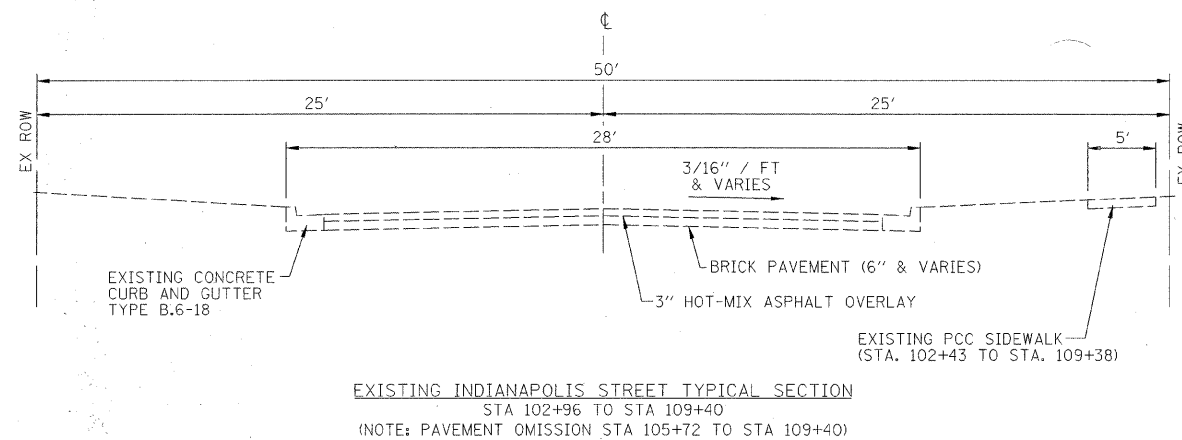
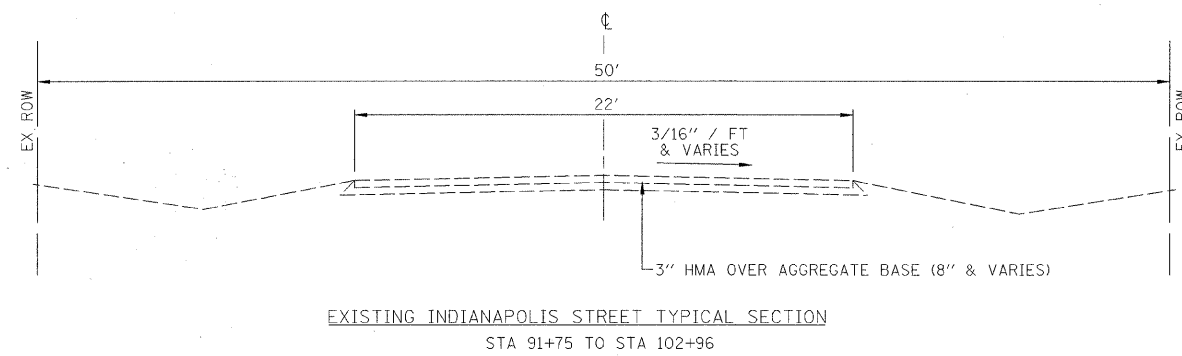
PLY CITY OF BLOOMINGTON, ILLINOIS 61704-1000-00333-00-BT Construction Table 06/09

| F.A.U. RTE.         | SECTION        | COUNTY   | TOTAL SHEETS     | SHEET NO. |
|---------------------|----------------|----------|------------------|-----------|
|                     | 05-00333-00-BT | McLEAN   | 56               | 3         |
| STA.                |                | TO STA.  |                  |           |
| FED. ROAD DIST. NO. |                | ILLINOIS | FED. AID PROJECT |           |



**BENCHMARKS:**

- TFH @ NE CORNER LINCOLN STREET & BUNN STREET  
ELEV=816.53 (BK 2752/12)
- CPS IN 5TH PP S OF CROXTON AVE W SIDE OLD RR  
ELEV=833.13 (BK 2752/14)
- CPS IN 1ST PP S OF CROXTON AVE SW CORNER CROXTON AVE & INDIANAPOLIS STREET  
ELEV=832.12 (BK 2752/14)
- TFH 1ST FH N OF CROXTON AVE ON W SIDE INDIANAPOLIS STREET  
ELEV=830.71 (BK 2752/14)
- TFH 3RD FH N OF CROXTON AVE ON W SIDE INDIANAPOLIS STREET  
ELEV=836.68 (BK 2752/14)
- EX RR SPIKE IN PP @ INTERSECTION OF BELL STREET & INDIANAPOLIS STREET  
ELEV=836.28 (BK 2752/14)
- TFH 1ST FH E OF BUNN STREET S SIDE OAKLAND AVE  
ELEV=828.97 (BK 2752/15)
- CPS IN PP SE OF ELEC SUB-STATION BETWEEN GROVE STREET & OAKLAND AVE  
PP # 3398  
ELEV=828.04 (BK 2752/15)
- TFH 2ND FH E OF ROBINSON STREET ON N SIDE GROVE STREET ± 30' E OF EX BIKE TRAIL  
ELEV=828.42 (BK 2752/16)
- TFH INTERSECTION OF OLIVE STREET & ROBINSON STREET E SIDE OF ROBINSON STREET  
ELEV=815.16 (BK 2752/16)
- TFH NE CORNER OF ROBINSON STREET & OAKLAND AVE  
ELEV=820.93 (BK 2752/16)
- TFH E SIDE OF BUNN STREET ±100' S OF McARTHUR STREET  
ELEV=832.91 (BK 2752/16)
- TFH E SIDE BUNN STREET @ INTERSECTION OF BUNN STREET & WOOD STREET  
ELEV=837.52 (BK 2752/16)
- TFH E SIDE BUNN STREET @ INTERSECTION BUNN STREET & MILLER STREET  
ELEV=832.49 (BK 2752/17)
- TFH E SIDE BUNN STREET @ INTERSECTION OF BUNN STREET & FREMONT STREET  
ELEV=818.96 (BK 2752/17)
- TFH E SIDE BUNN STREET @ INTERSECTION OF BUNN STREET & BISSELL STREET  
ELEV=823.94 (BK 2752/17)
- TFH NE CORNER OF GROVE STREET & ROBINSON STREET  
ELEV=825.54 (BK 2752/16)



|                                      |   |                      |
|--------------------------------------|---|----------------------|
| <b>CITY OF BLOOMINGTON, ILLINOIS</b> |   |                      |
| <b>MFT SECTION 05-00333-00-BT</b>    |   |                      |
| <b>EXISTING TYPICAL SECTIONS</b>     |   |                      |
| DRAWN BY<br>DRR                      | <br><b>Farnsworth</b><br>GROUP<br>2708 McGraw Drive<br>Bloomington, Illinois 61704<br>800/863-6486 309/833-1671 fax | FILE NO.<br>24-8173  |
| DATE<br>01/30/09                     |   | BOOK NO.<br>2752     |
| CHECKED BY<br>PJM                    |   | SHEET NO.<br>3 OF 56 |

|                     |                |                  |              |           |
|---------------------|----------------|------------------|--------------|-----------|
| F.A.U. RTE.         | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN           | 56           | 4         |
| STA.                | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS       | FED. AID PROJECT |              |           |

**LEGEND**  
EXISTING

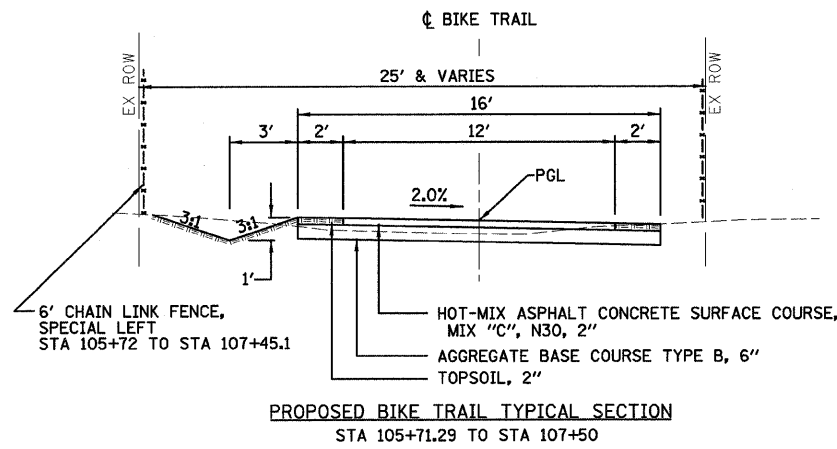
- 36" SAN — SANITARY SEWER
- W — WATER MAIN
- SS — STORM SEWER
- T — UNDERGROUND TELEPHONE
- G — GAS MAIN
- FO — FIBER OPTIC
- G — PIPE CULVERT
- G — GAS VALVE
- W — WATER SERVICE SHUTOFF
- P — POLE DOWN GUY
- T — TELEPHONE POLE
- P — POWER POLE
- X — FENCE
- IR — IRON ROD
- IP — IRON PIPE
- B — BUSH
- ET — EVERGREEN TREE
- 15" — TREE W/DIA.
- SAP — SAPLING
- × R.R. — RAILROAD SPIKE
- — WATER VALVE
- — WATER METER
- — FIBER OPTIC MARKER POST
- — FIRE HYDRANT
- — MANHOLE
- — RIGHT OF WAY
- — OVERHEAD ELECTRICAL OR TELEPHONE
- — EXISTING GROUND ELEVATION CONTOUR
- — PROPERTY LINE

**PROPOSED**

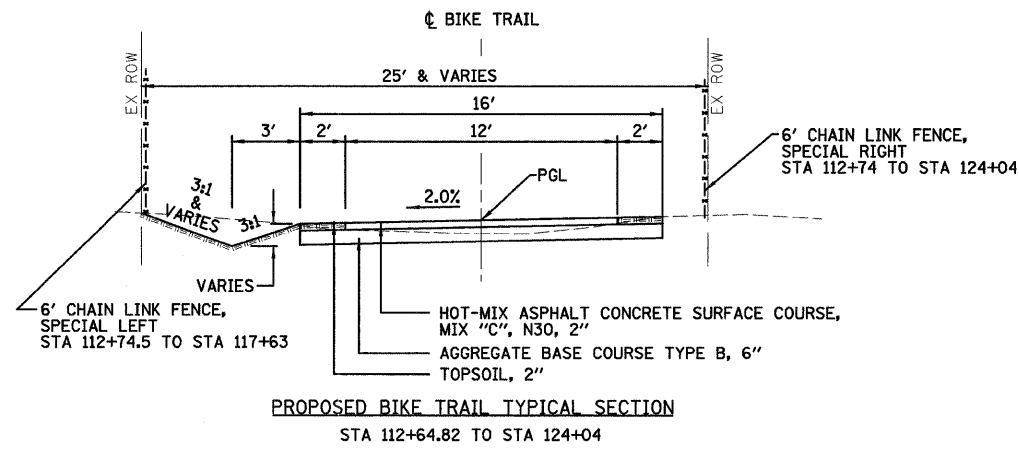
- ✕ 15" — TREE TO BE REMOVED
- — SIDEWALK TO BE REMOVED
- — COMB. CURB & GUTTER TO BE REMOVED
- — DRIVEWAY PAVEMENT REMOVAL
- — AGGREGATE SURFACE COURSE TYPE B 8"
- — P.C.C. DRIVEWAY PAVEMENT - 8"
- — P.C. CONCRETE SIDEWALK - 4"
- — COMB. CONCRETE CURB & GUTTER TYPE B9.18
- — CURB INLET OR MANHOLE
- & ● — MANHOLE TYPE A
- — STORM SEWER
- — WATER MAIN
- — WATER GATE VALVE
- — WATER MAIN REDUCER
- — VALVE BOX TO BE ADJUSTED
- — MANHOLE TO BE ADJUSTED
- — ITEM TO BE MOVED
- — PROPOSED RIGHT OF WAY
- — FRONT FACE OF BLOCK WALL
- — RETAINING WALL
- — CHAIN LINK FENCE, SPECIAL
- — PAVEMENT PATCH

**ABBREVIATIONS**

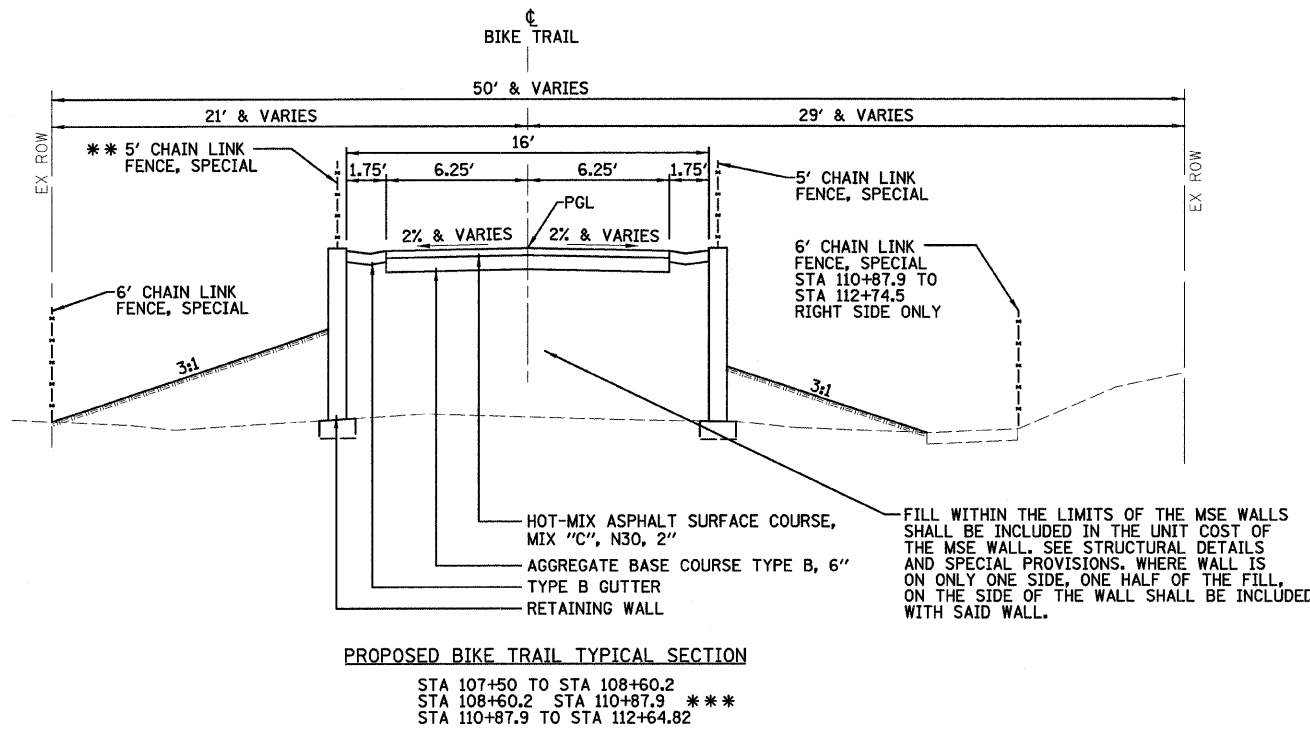
- TC — TOP OF CURB
- TL — TOP OF LID
- FL — FLOW LINE
- TG. — TOP OF GRATE
- T.RIM — TOP RIM
- P.G.L. — PROFILE GRADE LINE
- SS — STORM SEWER
- TY — TYPE
- MH — MANHOLE
- FR — FRAME
- OL — OPEN LID
- CLID — CLOSED LID
- INL — INLET
- GR — GRATE
- CL — CLASS
- (TBR) — TO BE REMOVED
- TBF — TRENCH BACKFILL
- ADJ — TO BE ADJUSTED
- TFH — TOP OF FIRE HYDRANT
- PRC — PRECAST REINFORCED CONCRETE
- P. CULV — PIPE CULVERT
- CY — CUBIC YARD



**PROPOSED BIKE TRAIL TYPICAL SECTION**  
STA 105+71.29 TO STA 107+50

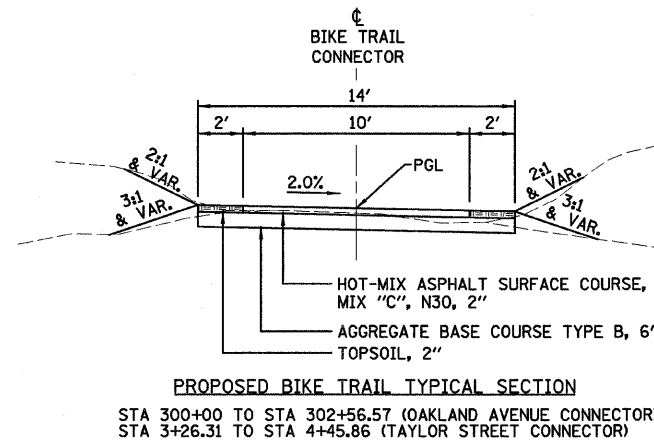


**PROPOSED BIKE TRAIL TYPICAL SECTION**  
STA 112+64.82 TO STA 124+04

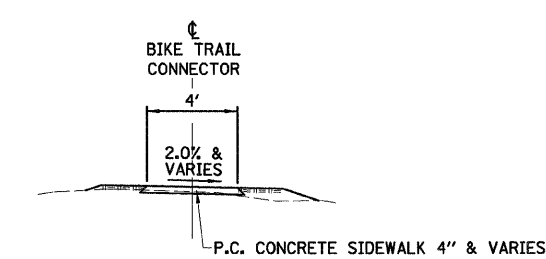


**PROPOSED BIKE TRAIL TYPICAL SECTION**  
STA 107+50 TO STA 108+60.2  
STA 108+60.2 STA 110+87.9 \*\*\*  
STA 110+87.9 TO STA 112+64.82

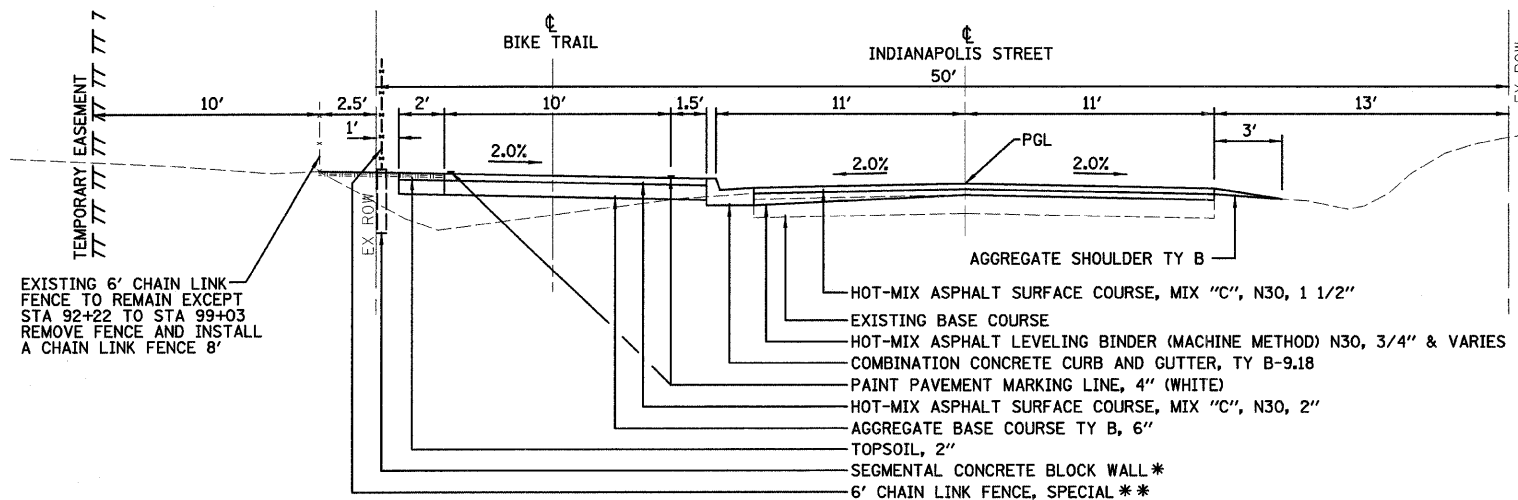
\*\*\* WHERE FORE SLOPE IS STEEPER THAN 3:1 AND FILL HEIGHT GREATER THAN 5' AND/OR RETAINING WALL PRESENT  
\*\*\* OMISSION. SEE TS&L'S FOR PROPOSED STRUCTURE SECTIONS



**PROPOSED BIKE TRAIL TYPICAL SECTION**  
STA 300+00 TO STA 302+56.57 (OAKLAND AVENUE CONNECTOR)  
STA 3+26.31 TO STA 4+45.86 (TAYLOR STREET CONNECTOR)



**PROPOSED BIKE TRAIL TYPICAL SECTION**  
STA 1+00 TO STA 3+26.31 (TAYLOR STREET CONNECTOR)



**PROPOSED BIKE TRAIL TYPICAL SECTION**  
STA 91+78 TO STA 105+71.29

\* STA 97+25 TO STA 99+25  
\*\* STA 101+50 TO STA 102+60  
\*\*\* STA 102+95 TO STA 105+72

CITY OF BLOOMINGTON, ILLINOIS  
MFT SECTION 05-00333-00-BT

**PROPOSED TYPICAL SECTIONS & LEGEND**

|                 |                  |                   |  |                   |
|-----------------|------------------|-------------------|--|-------------------|
| DRAWN BY<br>DRR | DATE<br>01/30/09 | CHECKED BY<br>PJM | FILE NO.<br>24-8173  | SHEET NO.<br>2752 |
|                 |                  |                   | 2709 McGraw Drive<br>Bloomington, Illinois 61704<br>309/863-6695, 309/863-1871 fax | 4 OF 56           |



| F.A.U. RTE.         | SECTION        | COUNTY   | TOTAL SHEETS     | SHEET NO. |
|---------------------|----------------|----------|------------------|-----------|
|                     | 05-00333-00-BT | McLEAN   | 56               | 5         |
| STA.                |                | TO STA.  |                  |           |
| FED. ROAD DIST. NO. |                | ILLINOIS | FED. AID PROJECT |           |

**TRENCH BACKFILL**

| STATION TO STATION  | CY         |
|---------------------|------------|
| <b>STORM SEWER</b>  |            |
| 93+30 RT 93+19 RT   | 3          |
| 93+30 RT 96+00 RT   | 80         |
| 96+00 RT 96+50 RT   | 15         |
| 96+50 RT 96+50 LT   | 3          |
| 96+50 RT 97+70 RT   | 34         |
| 97+70 RT 97+70 LT   | 4          |
| 97+70 RT 98+88 RT   | 80         |
| 98+88 RT 98+88 LT   | 5          |
| 105+70 RT 105+70 RT | 6          |
| 105+70 RT 106+57 LT | 24         |
| 108+98 LT 109+41 LT | 46         |
| 109+43 LT 109+44 LT | 1          |
| CONTINGENCY         | 4          |
| <b>TOTAL</b>        | <b>305</b> |

**TRENCH BACKFILL, SPECIAL**

| STATION TO STATION    | CY         |
|-----------------------|------------|
| <b>SANITARY SEWER</b> |            |
| 105+61 RT 105+74 RT   | 15         |
| 107+08 RT 107+23 RT   | 31         |
| 108+67 RT 108+89 RT   | 56         |
| 109+41 RT 109+44 RT   | 30         |
| <b>TOTAL</b>          | <b>132</b> |

**TRENCH BACKFILL**

| STATION TO STATION    | CY         |
|-----------------------|------------|
| <b>WATER MAIN</b>     |            |
| 94+01.5 LT 94+01.5 RT | 15         |
| 97+00 LT 97+00 RT     | 15         |
| 99+01 LT 99+01 RT     | 21         |
| 102+43 RT 108+74 RT   | 394        |
| 109+35 RT 109+39 RT   | 11         |
| 124+55 RT 124+55 RT   | 3          |
| <b>BELL STREET</b>    |            |
| 103+05 RT             | 5          |
| <b>TOTAL</b>          | <b>464</b> |

**PERIMETER EROSION BARRIER**

| STATION TO STATION            | FOOT        |
|-------------------------------|-------------|
| <b>(CONSTITUTION TRAIL)</b>   |             |
| 106+32 LT-RT 109+69 LT-RT     | 621         |
| 110+05 LT 112+55 LT           | 301         |
| 110+05 RT 112+45 RT           | 260         |
| 117+80 LT 124+03 LT           | 635         |
| <b>(TAYLOR ST. CONNECTOR)</b> |             |
| 1+00 LT-RT 2+50 LT-RT         | 183         |
| <b>TOTAL</b>                  | <b>2000</b> |

**TEMPORARY DITCH CHECKS**

| STATION TO STATION | EACH     |
|--------------------|----------|
| 99+81 RT           | 1        |
| <b>TOTAL</b>       | <b>1</b> |

**INLET AND PIPE PROTECTION**

| STATION TO STATION                          | EACH      |
|---|-----------|
| 92+06.5 RT (EX. MH, EX. INLET, PROP. INLET) | 3         |
| 93+12 RT (EX. MH)                           | 1         |
| 93+20 LT (EX. MH)                           | 1         |
| 93+30 RT (PROP. INLET)                      | 1         |
| 96+50 RT (PROP. INLET)                      | 1         |
| 96+50 LT (PROP. INLET)                      | 1         |
| 97+70 RT (PROP. INLET)                      | 1         |
| 97+70 LT (PROP. INLET)                      | 1         |
| 98+88 RT (PROP. INLET)                      | 1         |
| 98+88 LT (PROP. INLET)                      | 1         |
| 105+61 RT (EX. MH)                          | 1         |
| 105+70 RT (PROP. INLET)                     | 2         |
| 106+81.5 RT (EX. MH)                        | 1         |
| 107+00 LT (STM. MH)                         | 1         |
| 107+48 LT (PROP. INLET)                     | 1         |
| 109+00 LT (STM. MH)                         | 1         |
| 109+41.96 RT (SAN. MH)                      | 1         |
| 109+42.68 LT (STM. MH)                      | 1         |
| 109+43.56 LT (STM. MH)                      | 1         |
| 109+43.56 RT (SAN. MH)                      | 1         |
| 122+50 LT (PROP. INLET)                     | 1         |
| 123+95 LT (PROP. INLET)                     | 1         |
| <b>TOTAL</b>                                | <b>25</b> |

**STONE RIPRAP, CLASS B3**

| STATION TO STATION | TON       |
|--------------------|-----------|
| 107+29.5 RT        | 2.5       |
| 107+39.5 LT        | 2.5       |
| 112+70 LT          | 2.5       |
| 112+90 RT          | 2.5       |
| <b>TOTAL</b>       | <b>10</b> |

**FILTER FABRIC**

| STATION TO STATION | SQ YD     |
|--------------------|-----------|
| 107+29.5 RT        | 5         |
| 107+39.5 LT        | 5         |
| 112+70 LT          | 5         |
| 112+90 RT          | 5         |
| <b>TOTAL</b>       | <b>20</b> |

**SUB-BASE GRANULAR MATERIAL, TYPE B**

| STATION TO STATION | TON        |
|--------------------|------------|
| CONSTITUTION TRAIL | 457        |
| OAKLAND CONNECTOR  | 29         |
| TAYLOR CONNECTOR   | 14         |
| <b>TOTAL</b>       | <b>500</b> |

**AGGREGATE BASE COURSE, TYPE B**

| STATION TO STATION | TON         |
|--------------------|-------------|
| CONSTITUTION TRAIL | 1787        |
| OAKLAND CONNECTOR  | 144         |
| TAYLOR CONNECTOR   | 69          |
| <b>TOTAL</b>       | <b>2000</b> |

**AGGREGATE FOR TEMPORARY ACCESS**

| STATION TO STATION | TON       |
|--------------------|-----------|
| DRIVEWAY 96+06 LT  | 35        |
| DRIVEWAY 102+76 LT | 30        |
| <b>TOTAL</b>       | <b>65</b> |

**BITUMINOUS MATERIALS (PRIME COAT)**

| STATION TO STATION                | GAL         |
|-----------------------------------|-------------|
| <b>(CONSTITUTION TRAIL) MC-30</b> |             |
| 91+78 102+58                      | 661         |
| 102+58 102+94                     | 24          |
| 102+94 105+71.3                   | 170         |
| 105+71.3 107+45.1                 | 95          |
| 107+45.1 108+60.2 (BK ABUT)       | 65          |
| 110+87.4 (BK ABUT) 112+74.5       | 105         |
| 112+74.5 124+04                   | 615         |
| 124+04                            | 1           |
| <b>(OAKLAND AVE) MC-30</b>        |             |
| 300+06 302+58.5                   | 115         |
| <b>(TAYLOR ST.) MC-30</b>         |             |
| 3+26.31 4+43.86                   | 54          |
| <b>(INDIANAPOLIS ST.) RC-70</b>   |             |
| 91+82.5 NW QUAD                   | 1           |
| 91+82.5 NE QUAD                   | 3           |
| 91+82.5 105+72                    | 319         |
| <b>(BELL ST.) RC-70</b>           |             |
| SW QUAD                           | 1           |
| SE QUAD                           | 1           |
| 103+30 RT                         | 6           |
| <b>TOTAL</b>                      | <b>2235</b> |

**LEVELING BINDER (MACHINE METHOD), N30**

| STATION TO STATION | TON        |
|--------------------|------------|
| 91+78 96+00        | 73         |
| 96+00 102+00       | 103        |
| 102+00 105+72      | 64         |
| CONTINGENCY        | 5          |
| <b>TOTAL</b>       | <b>245</b> |

**HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N30**

| STATION TO STATION | TON       |
|--------------------|-----------|
| 96+09 LT           | 21        |
| 102+76 LT          | 29        |
| CONTINGENCY        | 5         |
| <b>TOTAL</b>       | <b>55</b> |

**HOT-MIX ASPHALT SURFACE COURSE, "MIX C", N30**

| STATION TO STATION          | TON        |
|-----------------------------|------------|
| <b>(CONSTITUTION TRAIL)</b> |            |
| 91+78 102+58                | 190        |
| 102+58 102+94 (ENT.)        | 13         |
| 102+94 105+71.3             | 49         |
| 105+71.3 107+45.1           | 27         |
| 107+45.1 108+60.2 (BK ABUT) | 19         |
| 110+87.4 (BK ABUT) 112+74.5 | 31         |
| 112+74.5 124+04             | 177        |
| 124+04                      | 1          |
| <b>(OAKLAND AVE)</b>        |            |
| 300+06 302+58.5             | 33         |
| <b>(TAYLOR ST.)</b>         |            |
| 3+26.31 4+43.86             | 16         |
| <b>(INDIANAPOLIS ST.)</b>   |            |
| NW QUAD                     | 1          |
| NE QUAD                     | 3          |
| 92+82.5 105+72              | 371        |
| <b>(BELL ST.)</b>           |            |
| SW QUAD                     | 1          |
| SE QUAD                     | 1          |
| 103+30 RT                   | 7          |
| CONTINGENCY                 | 10         |
| <b>TOTAL</b>                | <b>950</b> |

**PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH**

| STATION TO STATION            | SQ FT       |
|-------------------------------|-------------|
| <b>(CONSTITUTION TRAIL)</b>   |             |
| 102+43.46 RT 103+11.68 RT     | 312         |
| 123+95.58 RT 109+02.64 RT     | 299         |
| 1104+16.64 RT 104+42.00 RT    | 130         |
| 104+72.00 RT 105+22.00 RT     | 255         |
| 105+38.00 RT 107+10.00 RT     | 877         |
| 124+03.00 LR-RT 124+19 RT     | 275         |
| 124+50 LT-RT 124+89.43 LT-RT  | 306         |
| <b>(TAYLOR ST. CONNECTOR)</b> |             |
| 1+00 1+89                     | 363         |
| 2+01 2+56                     | 224         |
| 2+94 3+21.31                  | 111         |
| <b>(BELL ST.)</b>             |             |
| 103+05 RT                     | 33          |
| <b>TOTAL</b>                  | <b>3185</b> |

**PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH**

| STATION TO STATION            | SQ FT      |
|-------------------------------|------------|
| <b>(CONSTITUTION TRAIL)</b>   |            |
| DRIVEWAY 104+09.64 RT         | 71         |
| DRIVEWAY 104+41 RT 104+72 RT  | 159        |
| DRIVEWAY 105+29.0 RT          | 71         |
| <b>(TAYLOR ST. CONNECTOR)</b> |            |
| DRIVEWAY 1+95 RT              | 49         |
| ALLEY LT-RT                   | 155        |
| <b>TOTAL</b>                  | <b>505</b> |

**DETECTABLE WARNINGS**

| STATION TO STATION | SQ FT     |
|--------------------|-----------|
| 103+10.68 RT       | 10        |
| 103+46.58 RT       | 12        |
| <b>TOTAL</b>       | <b>22</b> |

**CURB REMOVAL**

| STATION TO STATION  | FOOT      |
|---------------------|-----------|
| 104+90 LT 105+72 LT | 85        |
| <b>TOTAL</b>        | <b>85</b> |

**PAVEMENT REMOVAL**

| STATION TO STATION  | SQ YD      |
|---------------------|------------|
| 91+66 LT 92+18 LT   | 34         |
| 92+18 LT 96+00 LT   | 269        |
| 96+00 LT 102+00 LT  | 404        |
| 102+00 LT 105+72 LT | 193        |
| <b>TOTAL</b>        | <b>900</b> |

**DRIVEWAY PAVEMENT REMOVAL**

| STATION TO STATION | SQ YD     |
|--------------------|-----------|
| 96+09 LT           | 40        |
| <b>TOTAL</b>       | <b>40</b> |

**SIDEWALK REMOVAL**

| STATION TO STATION          | SQ FT       |
|-----------------------------|-------------|
| 102+44 RT 103+13 RT         | 282         |
| 103+45 RT 104+90 RT         | 593         |
| 104+90 RT 105+00 RT         | 46          |
| 105+00 RT 109+22 RT         | 2154        |
| 109+22 RT 109+29 RT (STEPS) | 39          |
| 109+29 RT 109+42 RT         | 126         |
| 109+46 LT-RT                | 255         |
| 124+03 LT-RT 124+19 RT      | 275         |
| <b>TOTAL</b>                | <b>3770</b> |

**COMBINATION CONCRETE CURB AND GUTTER REMOVAL**

| STATION TO STATION               | FOOT       |
|----------------------------------|------------|
| <b>(CONSTITUTION TRAIL)</b>      |            |
| 91+64 LT 92+18 LT                | 73         |
| 102+95 LT 104+90 LT              | 199        |
| 103+13 RT                        | 6          |
| 103+45 RT                        | 9          |
| 124+20 LT-RT                     | 23         |
| 124+50 LT-RT                     | 15         |
| <b>(TAYLOR STREET CONNECTOR)</b> |            |
| 1+00 LT-RT                       | 5          |
| <b>TOTAL</b>                     | <b>330</b> |

**CONCRETE REMOVAL**

| STATION TO STATION            | CY        |
|-------------------------------|-----------|
| 106+98.5 RT 108+54.8 RT       | 15        |
| 106+99.2 LT 108+79.4 LT       | 22        |
| 109+25 RT (CONC STEPS)        | 2         |
| <b>(TAYLOR ST. CONNECTOR)</b> |           |
| 2+00 RT (GARAGE FOUNDATION)   | 1         |
| <b>TOTAL</b>                  | <b>40</b> |

**CONCRETE GUTTER TYPE B**

| STATION TO STATION        | FOOT       |
|---------------------------|------------|
| 107+55 LT 108+60.23 LT    | 105        |
| 107+45 RT 108+60.23 RT    | 115        |
| 110+87.89 LT 112+54.82 LT | 167        |
| 110+87.89 RT 112+74.82 RT | 187        |
| CONTINGENCY               | 10         |
| <b>TOTAL</b>              | <b>585</b> |

**PAVEMENT PATCHING, TYPE II**

| STATION TO STATION | SQ YD     |
|--------------------|-----------|
| 94+01.5 RT         | 12        |
| 96+99.7 RT         | 12        |
| 99+00.69 RT        | 12        |
| 103+29.0 RT        | 13        |
| 105+70.0 RT        | 12        |
| <b>TOTAL</b>       | <b>65</b> |

**CLASS D PATCHES, TYPE I**

| STATION TO STATION | SQ YD    |
|--------------------|----------|
| 124+34 RT          | 5        |
| <b>TOTAL</b>       | <b>5</b> |

**COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18**

| STATION TO STATION          | FOOT      |
|-----------------------------|-----------|
| <b>(CONSTITUTION TRAIL)</b> |           |
| 103+13 RT                   | 7         |
| 103+45 RT                   | 10        |
| 124+20 LT-RT                | 25        |
| 124+50 LT-RT                | 17        |
| <b>(TAYLOR ST.)</b>         |           |
| 1+00 LT-RT                  | 6         |
| <b>TOTAL</b>                | <b>65</b> |

**COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9.18**

| STATION TO STATION  | FOOT        |
|---------------------|-------------|
| 91+65 LT 92+06 LT   | 62          |
| 92+06 RT 96+00 RT   | 402         |
| 96+00 RT 102+00 RT  | 612         |
| 102+00 RT 105+72 RT | 379         |
| <b>TOTAL</b>        | <b>1455</b> |

**CONCRETE GUTTER, SPECIAL**

| STATION TO STATION | FOOT       |
|--------------------|------------|
| 96+50 LT 99+00 LT  | 250        |
| <b>TOTAL</b>       | <b>250</b> |

**GUTTER OUTLET**

| STATION TO STATION | EACH     |
|--------------------|----------|
| 107+45 LT          | 1        |
| 107+55 RT          | 1        |
| 112+55 LT          | 1        |
| 112+75 RT          | 1        |
| <b>TOTAL</b>       | <b>4</b> |

**PIPE CULVERT REMOVAL**

| STATION TO STATION | FOOT      |
|--------------------|-----------|
| DRIVEWAY 96+09     | 40        |
| <b>TOTAL</b>       | <b>40</b> |

**STORM SEWERS, CLASS A, TYPE 1, 12"**

| STATION TO STATION  | FOOT       |
|---------------------|------------|
| 105+70 RT           | 25         |
| 122+50 LT 123+95 LT | 142        |
| 123+95 LT EX MH RT  | 38         |
| CONTINGENCY         | 5          |
| <b>TOTAL</b>        | <b>210</b> |

**STORM SEWERS, CLASS A, TYPE 2, 12"**

| STATION TO STATION  | FOOT       |
|---------------------|------------|
| 105+70 RT 107+00 LT | 129        |
| 109+00 LT 109+00 LT | 10         |
| CONTINGENCY         | 1          |
| <b>TOTAL</b>        | <b>140</b> |

**STORM SEWER, DUCTILE IRON 12"**

| STATION TO STATION     | FOOT       |
|------------------------|------------|
| 93+20 RT 93+30 RT      | 8          |
| 93+30 RT 96+50 RT      | 318        |
| 96+50 RT 96+50 LT      | 14         |
| 96+50 RT 97+70 RT      | 118        |
| 97+70 RT 97+70 LT      | 16         |
| 97+70 RT 98+88 RT      | 118        |
| 98+88 RT 98+88 LT      | 16         |
| 107+00 LT 109+43.56 LT | 234        |
| 109+42.68 LT           | 2          |
| CONTINGENCY            | 16         |
| <b>TOTAL</b>           | <b>860</b> |

**DUCTILE IRON, SANITARY SEWER 12"**

| STATION TO STATION        | FOOT       |
|---------------------------|------------|
| 105+60.79 RT 106+81.15 RT | 122        |
| 106+81.15 RT 109+41.96 RT | 265        |
| 109+41.96 RT 109+43.56 RT | 13         |
| <b>TOTAL</b>              | <b>400</b> |

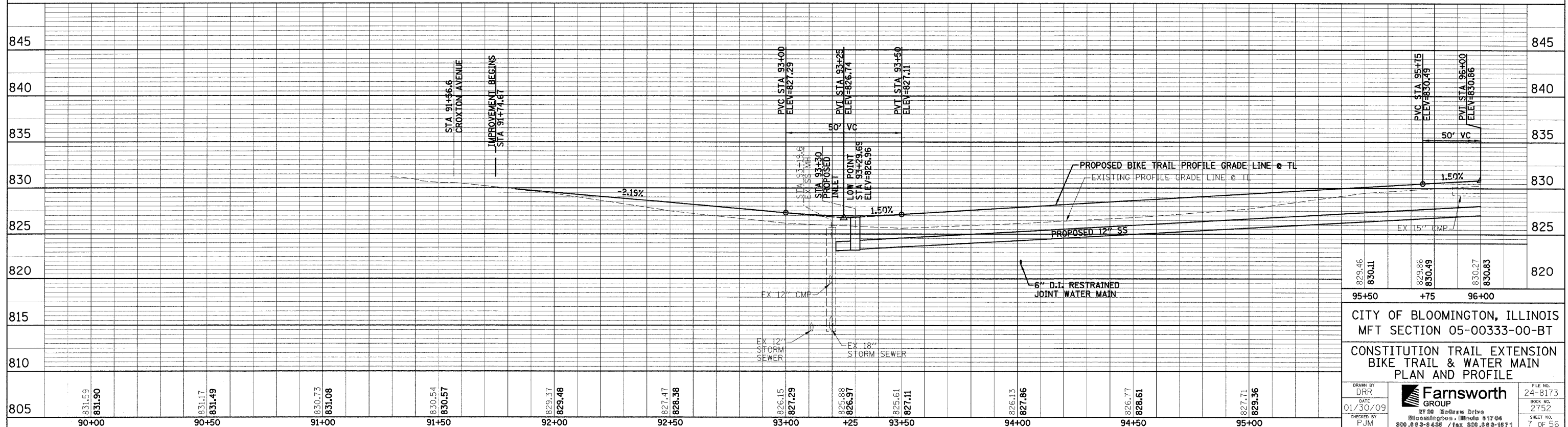
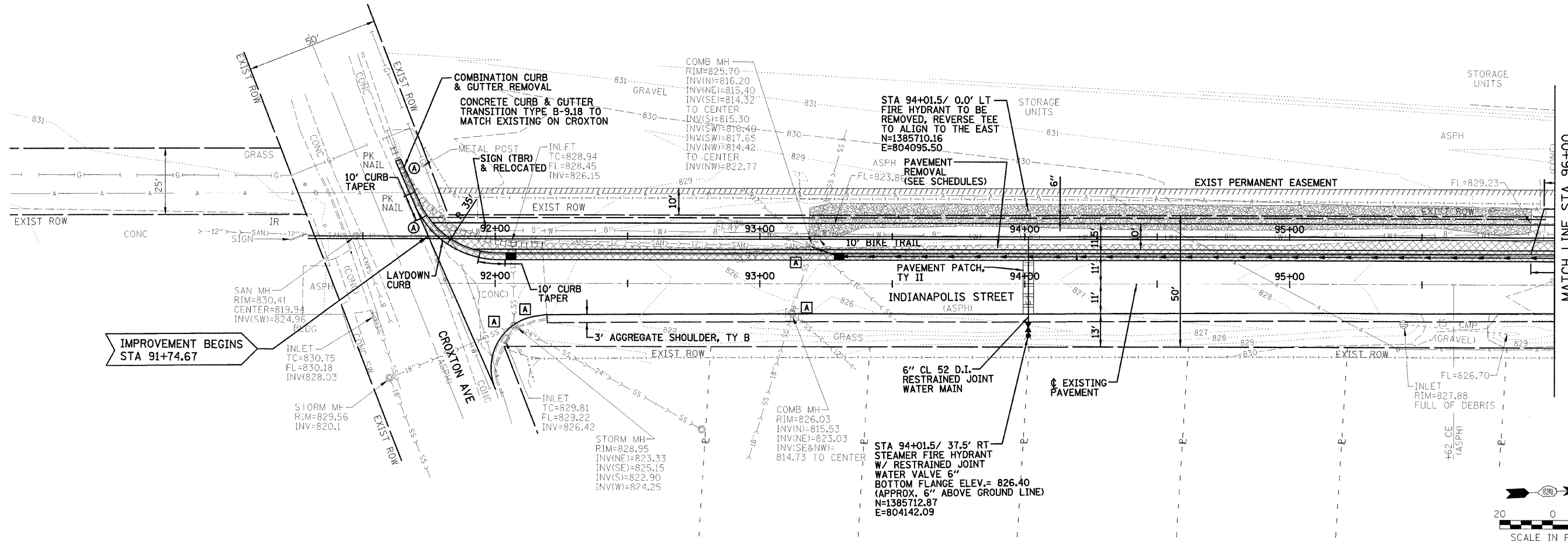
**RECONNECT SANITARY SERVICE LATERALS 6"**

| STATION TO STATION | EACH |
|--------------------|------|
| 106+10±            | 1    |
| 106+73±            | 1    |
| 107+27±            | 1    |
| 107+8              |      |



| F.A. RTE.           | SECTION  | COUNTY           | TOTAL SHEETS | SHEET NO. |
|---------------------|----------|------------------|--------------|-----------|
| 05-00333-00-BT      | McLEAN   | 56               | 7            |           |
| STA. 91+74.67       |          | TO STA. 96+00    |              |           |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT |              |           |

NOTES:  
 1. ALL STATIONING AND OFFSETS ARE BASED UPON THE BIKE TRAIL TRANSIT LINE.  
 2. FOR STORM AND SANITARY SEWER INFORMATION, SEE THE STORM & SANITARY SEWER & PROFILE SHEETS.



|   |   |   |
|---|---|---|
| 829.46<br>830.11  | 829.86<br>830.49  | 830.27<br>830.83  |
| 95+50   | +75   | 96+00   |
| CITY OF BLOOMINGTON, ILLINOIS<br>MFT SECTION 05-00333-00-BT                 |   |   |
| CONSTITUTION TRAIL EXTENSION<br>BIKE TRAIL & WATER MAIN<br>PLAN AND PROFILE |   |   |
| DRAWN BY<br>DRR<br>DATE<br>01/30/09<br>CHECKED BY<br>PJM                    | <b>Farnsworth</b><br>GROUP<br>3700 McGraw Drive<br>Bloomington, Illinois 61704<br>309.883-8438 / fax 309.888-1671 | FILE NO.<br>24-8173<br>BOOK NO.<br>2752<br>SHEET NO.<br>7 OF 56 |

FILE: DATE:

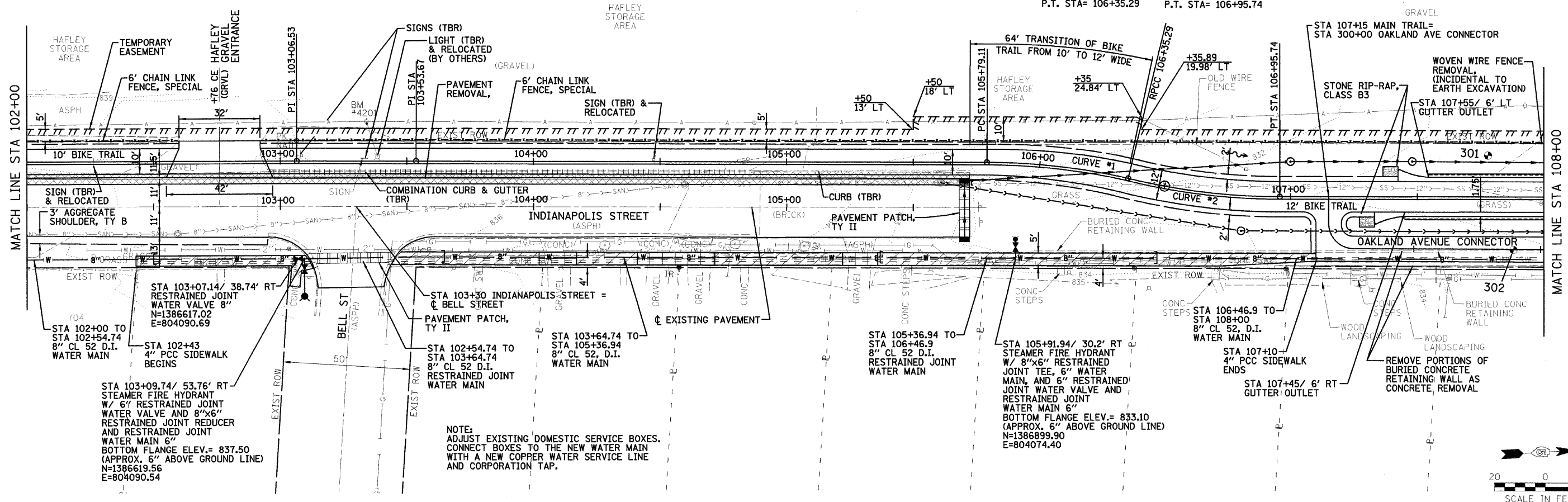


| F.A. RTE.                    | SECTION | COUNTY           | TOTAL SHEETS | SHEET NO. |
|------------------------------|---------|------------------|--------------|-----------|
| 05-00333-00-BT               | McLEAN  | 56               | 9            |           |
| STA. 102+00 TO STA. 108+00   |         |                  |              |           |
| FED. ROAD DIST. NO. ILLINOIS |         | FED. AID PROJECT |              |           |

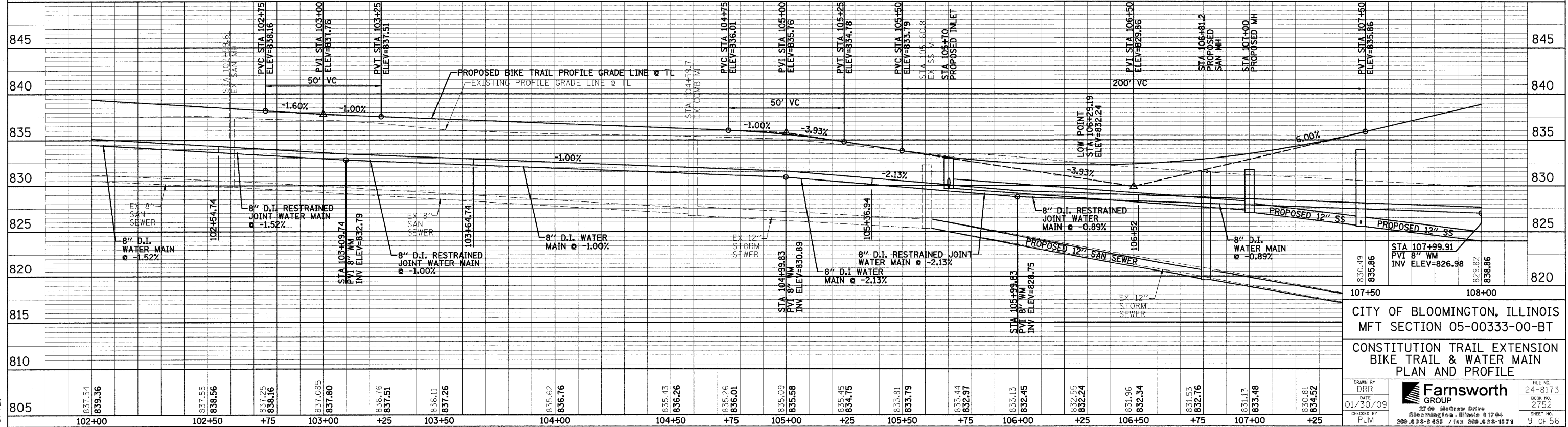
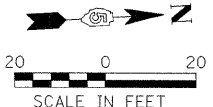
**NOTES:**  
 1. ALL STATIONING AND OFFSETS ARE BASED UPON THE BIKE TRAIL TRANSIT LINE.  
 2. FOR STORM AND SANITARY SEWER INFORMATION, SEE THE STORM & SANITARY SEWER & PROFILE SHEETS.

**CURVE #1**  
 P.I. STA= 106+07.32  
 Δ= 12°52'31"  
 D= 22°55'06"  
 R= 250'  
 T= 28.21'  
 L= 56.18'  
 E= 1.59'  
 S.E.=  
 P.C. STA= 105+79.11  
 P.T. STA= 106+35.29

**CURVE #2**  
 P.I. STA= 106+65.66  
 Δ= 13°51'14"  
 D= 22°55'06"  
 R= 250'  
 T= 30.37'  
 L= 60.45'  
 E= 1.84'  
 S.E.=  
 P.C. STA= 106+35.29  
 P.T. STA= 106+95.74



**NOTE:**  
 ADJUST EXISTING DOMESTIC SERVICE BOXES. CONNECT BOXES TO THE NEW WATER MAIN WITH A NEW COPPER WATER SERVICE LINE AND CORPORATION TAP.



CITY OF BLOOMINGTON, ILLINOIS  
 MFT SECTION 05-00333-00-BT  
 CONSTITUTION TRAIL EXTENSION  
 BIKE TRAIL & WATER MAIN  
 PLAN AND PROFILE

|                  |                  |                  |                  |                  |                  |
|------------------|------------------|------------------|------------------|------------------|------------------|
| 830.49<br>835.86 | 830.82<br>838.86 | 830.81<br>834.52 | 830.49<br>835.86 | 830.82<br>838.86 | 830.81<br>834.52 |
| 107+50           | 108+00           |                  | 107+50           | 108+00           |                  |

DRAWN BY: DRP  
 DATE: 01/30/09  
 CHECKED BY: PJM

**Farnsworth GROUP**  
 2700 Medway Drive  
 Bloomington, Illinois 61704  
 309.883-4455 / fax 309.883-1871

FILE NO. 24-8173  
 BOOK NO. 2752  
 SHEET NO. 9 OF 56

REVISED 03/08/09 DRP



| F.A. RTE.                  | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|----------------------------|---------|---------------------------|--------------|-----------|
| 05-00333-00-BT             | McLEAN  | 56                        | 10           |           |
| STA. 108+00 TO STA. 114+00 |         |                           |              |           |
| FED. ROAD DIST. NO.        |         | ILLINOIS FED. AID PROJECT |              |           |

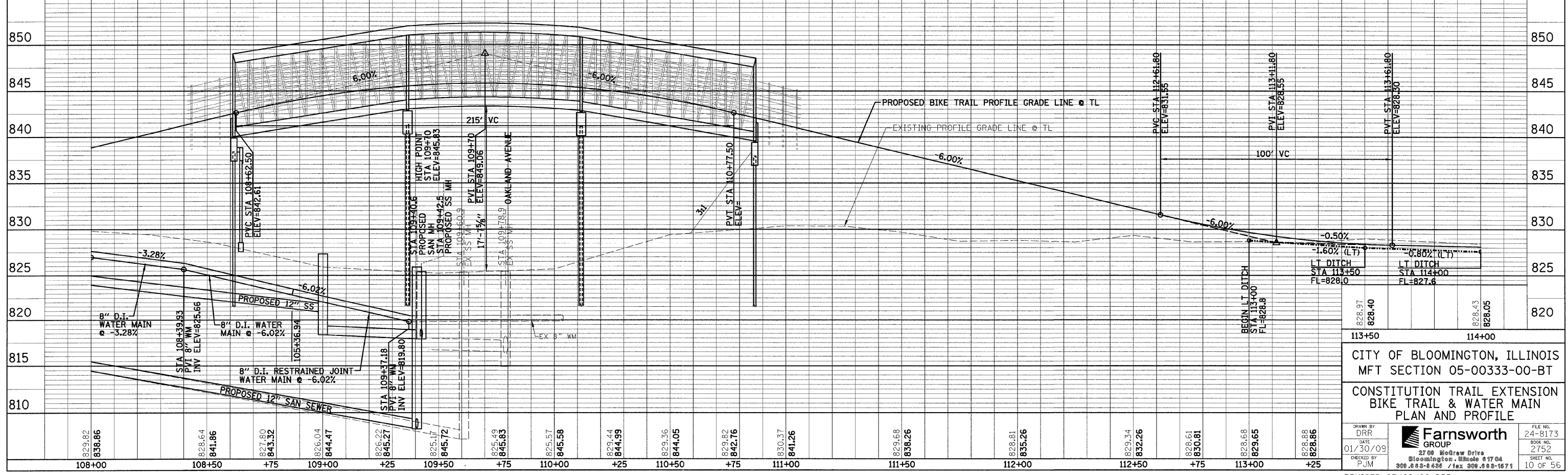
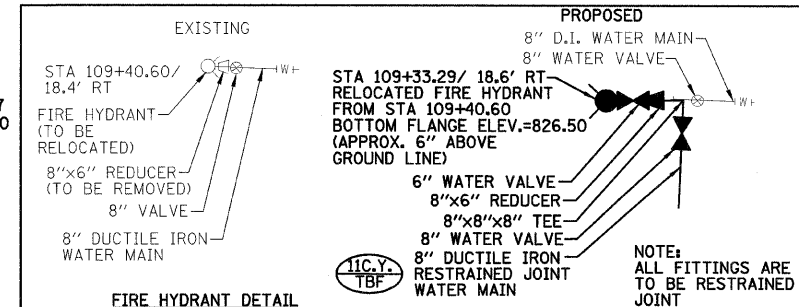
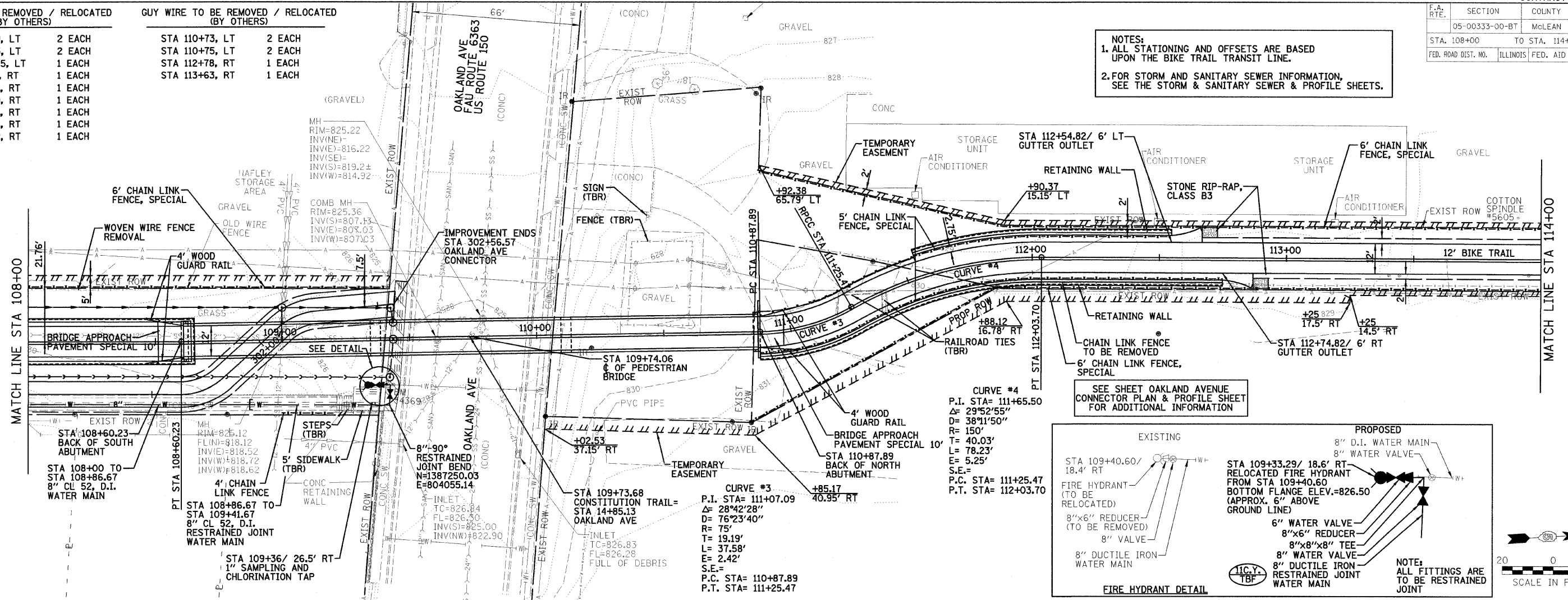
POLES TO BE REMOVED / RELOCATED (BY OTHERS)

|                  |        |
|------------------|--------|
| STA 110+39, LT   | 2 EACH |
| STA 110+65, LT   | 2 EACH |
| STA 111+10.5, LT | 1 EACH |
| STA 111+84, RT   | 1 EACH |
| STA 112+88, RT   | 1 EACH |
| STA 113+40, RT   | 1 EACH |
| STA 113+44, RT   | 1 EACH |
| STA 113+96, RT   | 1 EACH |
| STA 114+02, RT   | 1 EACH |

GUY WIRE TO BE REMOVED / RELOCATED (BY OTHERS)

|                |        |
|----------------|--------|
| STA 110+73, LT | 2 EACH |
| STA 110+75, LT | 2 EACH |
| STA 112+78, RT | 1 EACH |
| STA 113+63, RT | 1 EACH |

NOTES:  
 1. ALL STATIONING AND OFFSETS ARE BASED UPON THE BIKE TRAIL TRANSIT LINE.  
 2. FOR STORM AND SANITARY SEWER INFORMATION, SEE THE STORM & SANITARY SEWER & PROFILE SHEETS.



CITY OF BLOOMINGTON, ILLINOIS  
 MFT SECTION 05-00333-00-BT

CONSTITUTION TRAIL EXTENSION  
 BIKE TRAIL & WATER MAIN  
 PLAN AND PROFILE

FILE NO. 24-8173  
 BOOK NO. 2752  
 SHEET NO. 10 OF 56

REVISIONS:  
 01/30/09  
 CHECKED BY PJM

Farnsworth GROUP  
 2700 McGraw Drive  
 Bloomington, Illinois 61704  
 309.833-8438 / fax 309.833-3871

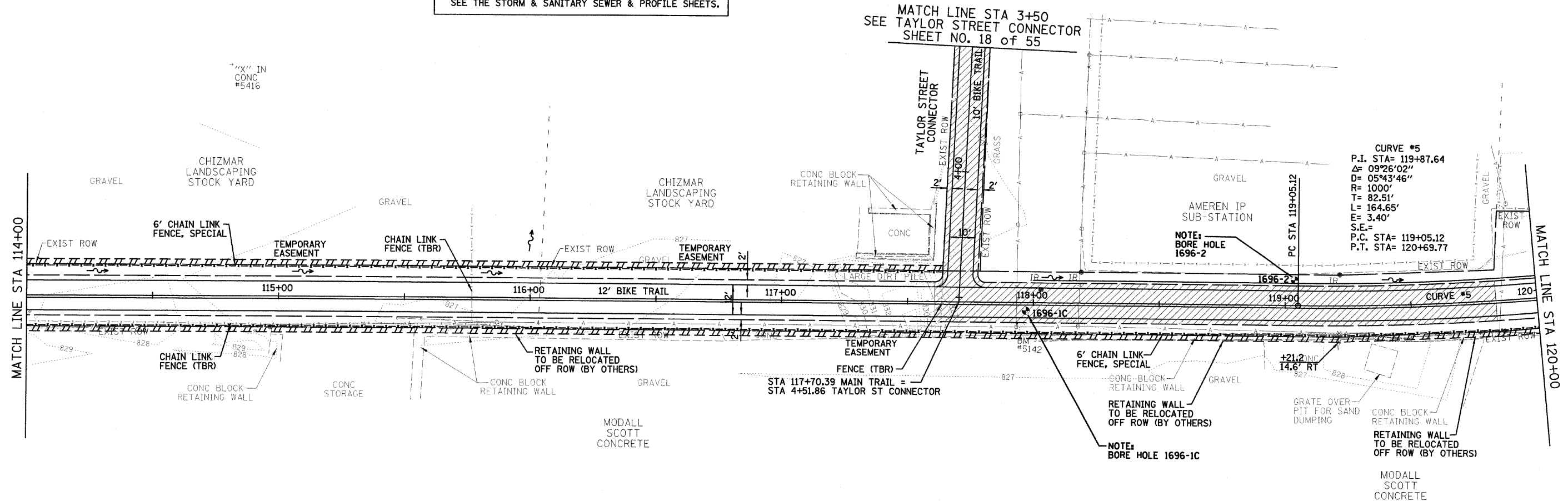
REVISED 03/08/09 DRP

FILE:  
 DATE:

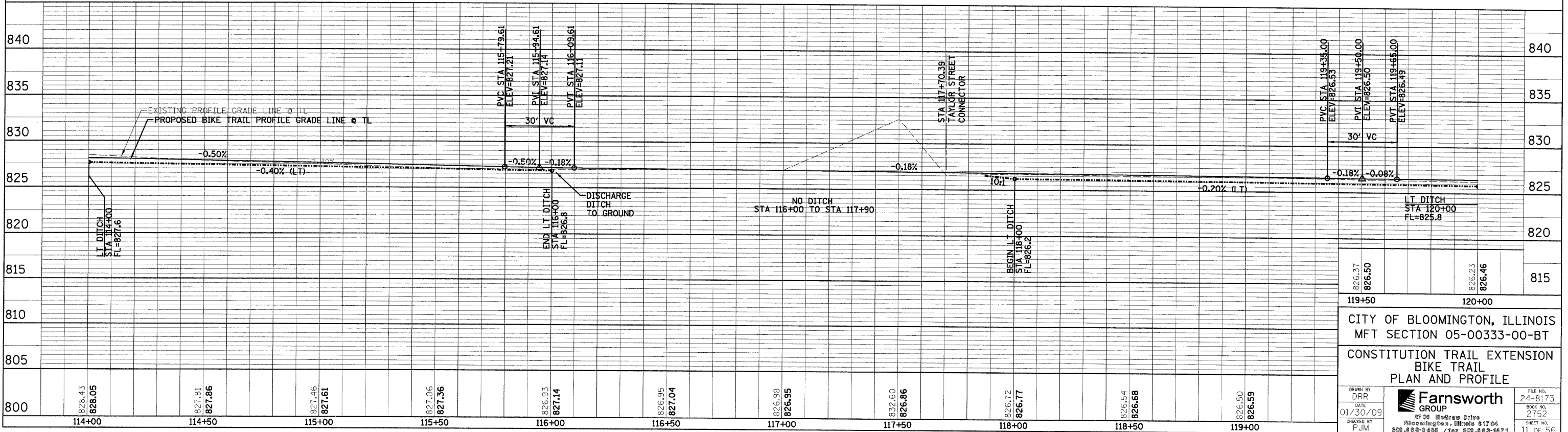


| F.A. RTE.           | SECTION        | COUNTY                    | TOTAL SHEET NO. |
|---------------------|----------------|---------------------------|-----------------|
|                     | 05-00333-00-BT | McLEAN                    | 56              |
| STA. 114+00         |                | TO STA. 120+00            |                 |
| FED. ROAD DIST. NO. |                | ILLINOIS FED. AID PROJECT |                 |

NOTES:  
 1. ALL STATIONING AND OFFSETS ARE BASED UPON THE BIKE TRAIL TRANSIT LINE.  
 2. FOR STORM AND SANITARY SEWER INFORMATION, SEE THE STORM & SANITARY SEWER & PROFILE SHEETS.



AREA OF RESTRICTED EXCAVATION, SEE SPECIAL PROVISIONS



119+50 120+00

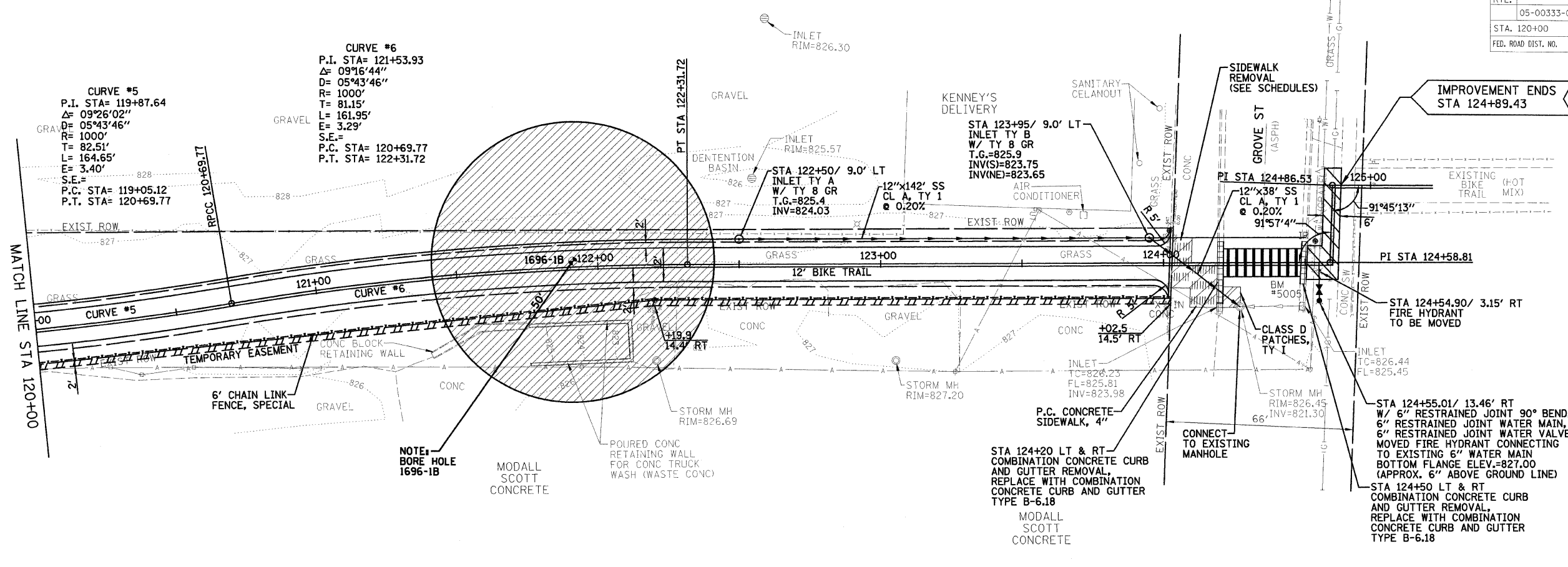
CITY OF BLOOMINGTON, ILLINOIS  
 MFT SECTION 05-00333-00-BT  
 CONSTITUTION TRAIL EXTENSION  
 BIKE TRAIL  
 PLAN AND PROFILE

|   |                  |                   |                     |
|---|------------------|-------------------|---------------------|
| DRAWN BY<br>DRR   | DATE<br>01/30/09 | CHECKED BY<br>PJM | FILE NO.<br>24-8173 |
| Farnsworth GROUP  |                  | SHEET NO.<br>2752 |                     |
| 2700 McGraw Drive<br>Bloomington, Illinois 61704<br>309.833-4455 / fax 309.833-1671 |                  | 11 OF 56          |                     |

REVISED 03/03/09 DRR PP-5

FILE:  
DATE:

| F.A. RTE.           | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|---------------------------|--------------|-----------|
| 05-00333-00-BT      | McLEAN  | 56                        | 12           |           |
| STA. 120+00         |         | TO STA. 124+94.43         |              |           |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |              |           |

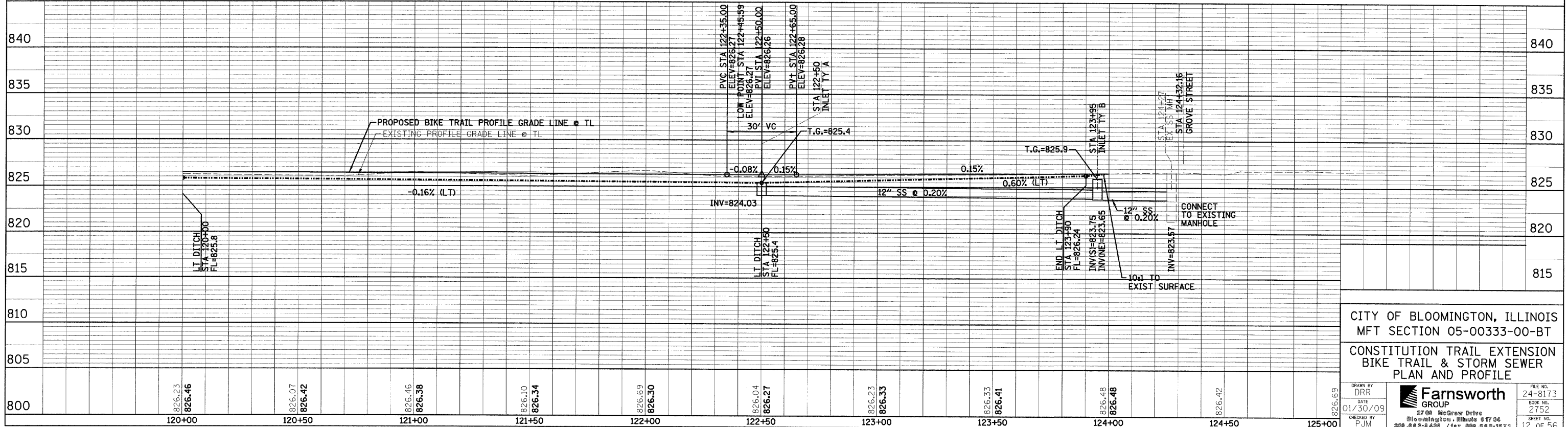
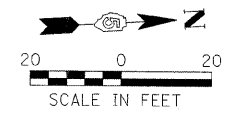


**CURVE #5**  
 P.I. STA= 119+87.64  
 $\Delta = 09^{\circ}26'02''$   
 $D = 05^{\circ}43'46''$   
 $R = 1000'$   
 $T = 82.51'$   
 $L = 164.65'$   
 $E = 3.40'$   
 $S.E. =$   
 P.C. STA= 119+05.12  
 P.T. STA= 120+69.77

**CURVE #6**  
 P.I. STA= 121+53.93  
 $\Delta = 09^{\circ}16'44''$   
 $D = 05^{\circ}43'46''$   
 $R = 1000'$   
 $T = 81.15'$   
 $L = 161.95'$   
 $E = 3.29'$   
 $S.E. =$   
 P.C. STA= 120+69.77  
 P.T. STA= 122+31.72

**AREA OF RESTRICTED EXCAVATION, SEE SPECIAL PROVISIONS**

**NOTES:**  
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 2. FOR STORM AND SANITARY SEWER INFORMATION, SEE THE STORM & SANITARY SEWER & PROFILE SHEETS.



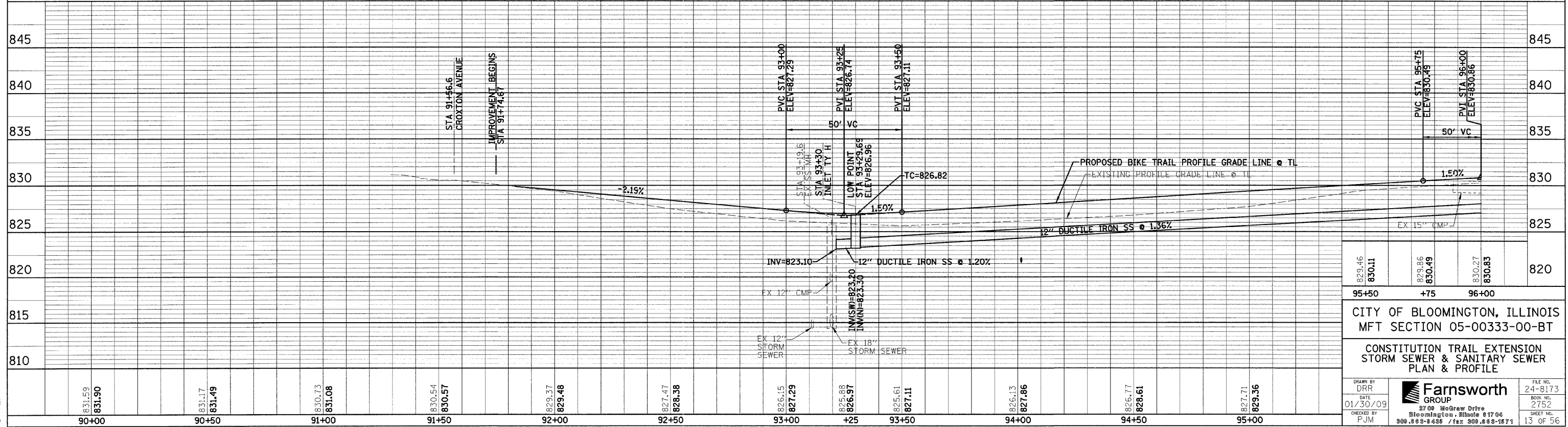
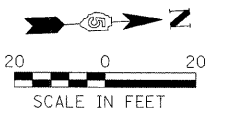
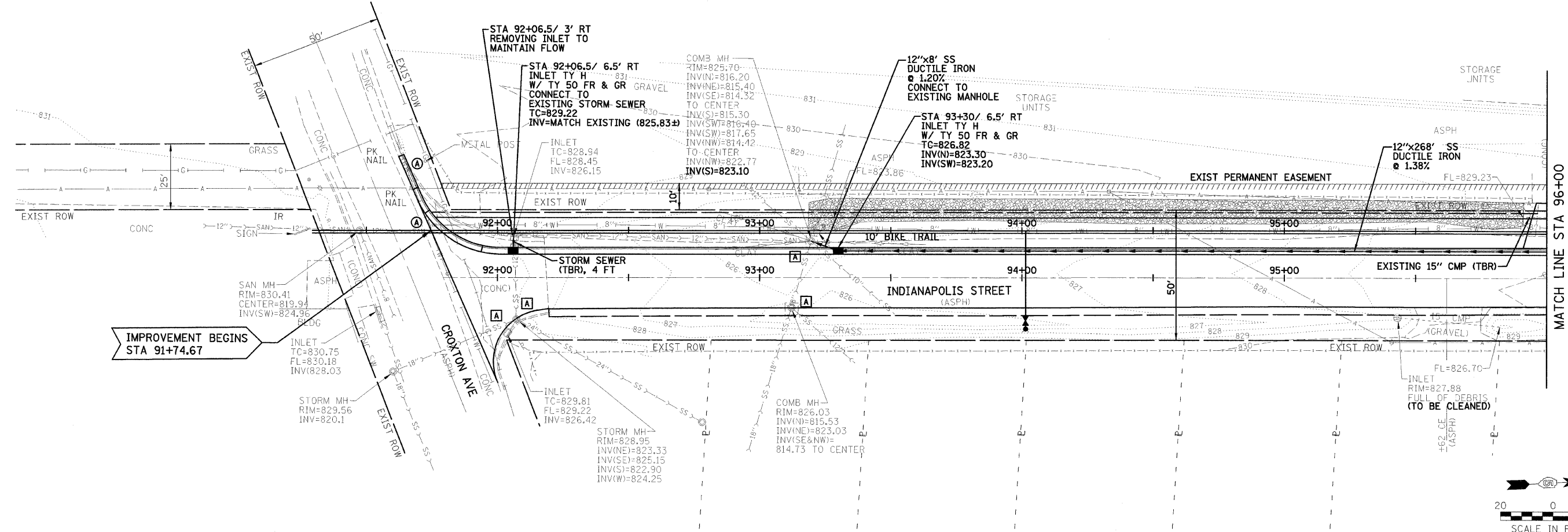
CITY OF BLOOMINGTON, ILLINOIS  
 MFT SECTION 05-00333-00-BT  
 CONSTITUTION TRAIL EXTENSION  
 BIKE TRAIL & STORM SEWER  
 PLAN AND PROFILE

|   |                  |                   |                       |
|---|------------------|-------------------|-----------------------|
| DRAWN BY<br>DRR   | DATE<br>01/30/09 | CHECKED BY<br>PJM | FILE NO.<br>24-8173   |
|   |                  |                   | BOOK NO.<br>2752      |
| 3760 McGraw Drive<br>Bloomington, Illinois 61704<br>309.833-8488 / fax 309.833-1871 |                  |                   | SHEET NO.<br>12 OF 56 |

REVISED 03/03/09 DRR

| F.A. RTE.           | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|---------------------------|--------------|-----------|
| 05-00333-00-BT      | MCLEAN  | 56                        | 13           |           |
| STA. 91+74.67       |         | TO STA. 96+00             |              |           |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |              |           |

**NOTES:**  
 1. ALL STATIONING AND OFFSETS ARE BASED UPON THE BIKE TRAIL TRANSIT LINE.  
 2. FOR WATER MAIN INFORMATION, SEE THE BIKE TRAIL PLAN & PROFILE SHEETS.

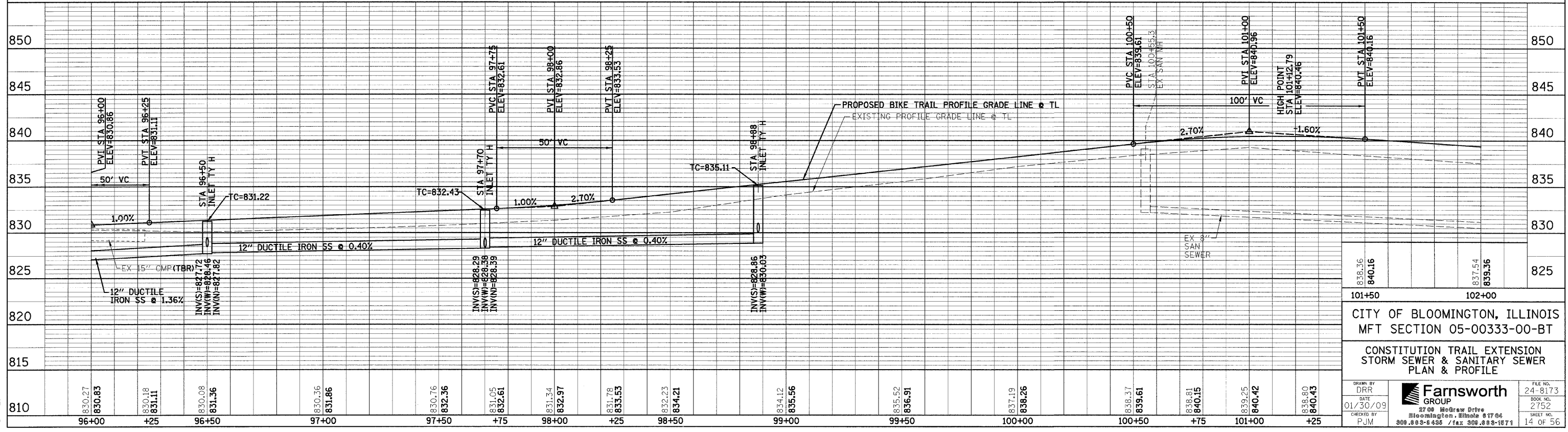
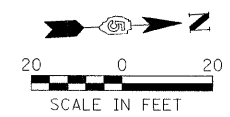
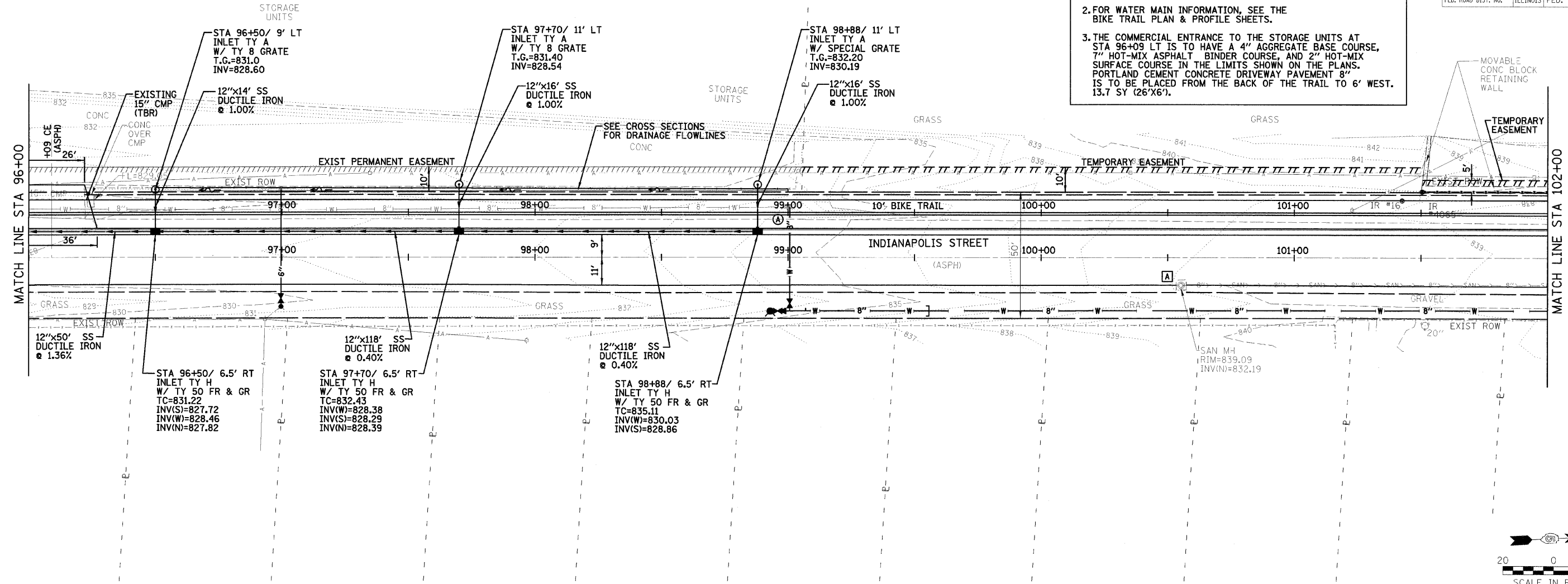


|  |   |   |
|--|---|---|
| 829.46<br>830.11   | 829.86<br>830.49  | 830.27<br>830.83  |
| 95+50  | +75   | 96+00   |
| CITY OF BLOOMINGTON, ILLINOIS<br>MFT SECTION 05-00333-00-BT                    |   |   |
| CONSTITUTION TRAIL EXTENSION<br>STORM SEWER & SANITARY SEWER<br>PLAN & PROFILE |   |   |
| DRAWN BY: DRP<br>DATE: 01/30/09<br>CHECKED BY: PJM                             | Farnsworth GROUP<br>2700 McGraw Drive<br>Bloomington, Illinois 61704<br>309.888-8433 / fax 309.888-1571 | FILE NO.: 24-8173<br>SHEET NO.: 2752<br>SHEET NO.: 13 OF 56 |

FILE:  
DATE:

| F.A. RTE.           | SECTION        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|----------------|---------------------------|--------------|-----------|
|                     | 05-00333-00-BT | McLEAN                    | 56           | 14        |
| STA. 96+00          |                | TO STA. 102+00            |              |           |
| FED. ROAD DIST. NO. |                | ILLINOIS FED. AID PROJECT |              |           |

**NOTES:**  
 1. ALL STATIONING AND OFFSETS ARE BASED UPON THE BIKE TRAIL TRANSIT LINE.  
 2. FOR WATER MAIN INFORMATION, SEE THE BIKE TRAIL PLAN & PROFILE SHEETS.  
 3. THE COMMERCIAL ENTRANCE TO THE STORAGE UNITS AT STA 96+09 LT IS TO HAVE A 4" AGGREGATE BASE COURSE, 7" HOT-MIX ASPHALT BINDER COURSE, AND 2" HOT-MIX SURFACE COURSE IN THE LIMITS SHOWN ON THE PLANS. PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8" IS TO BE PLACED FROM THE BACK OF THE TRAIL TO 6' WEST. 13.7 SY (26'X6').



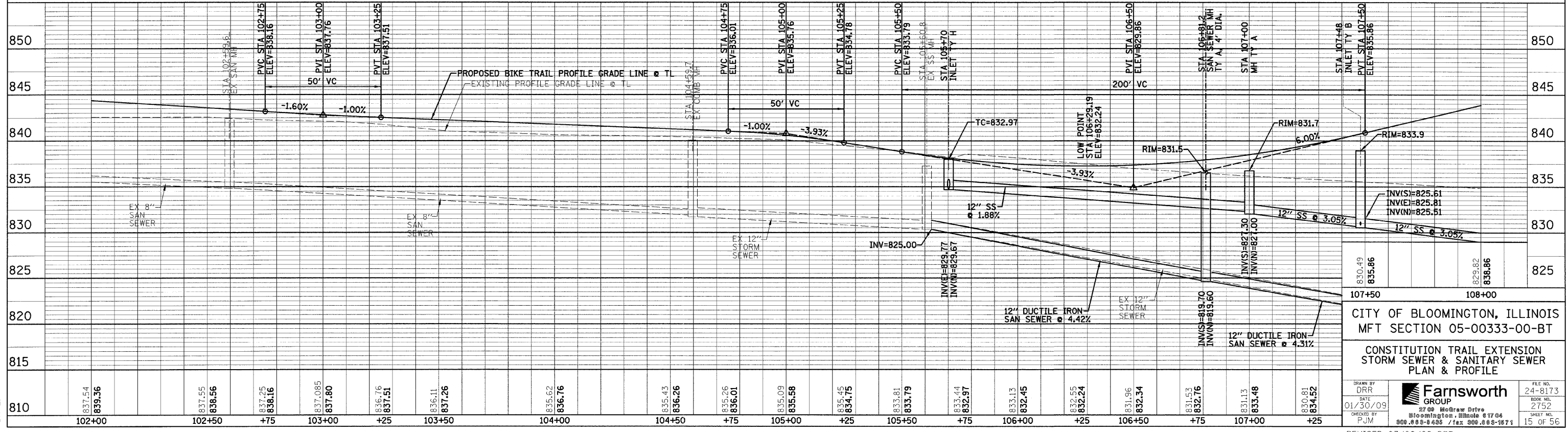
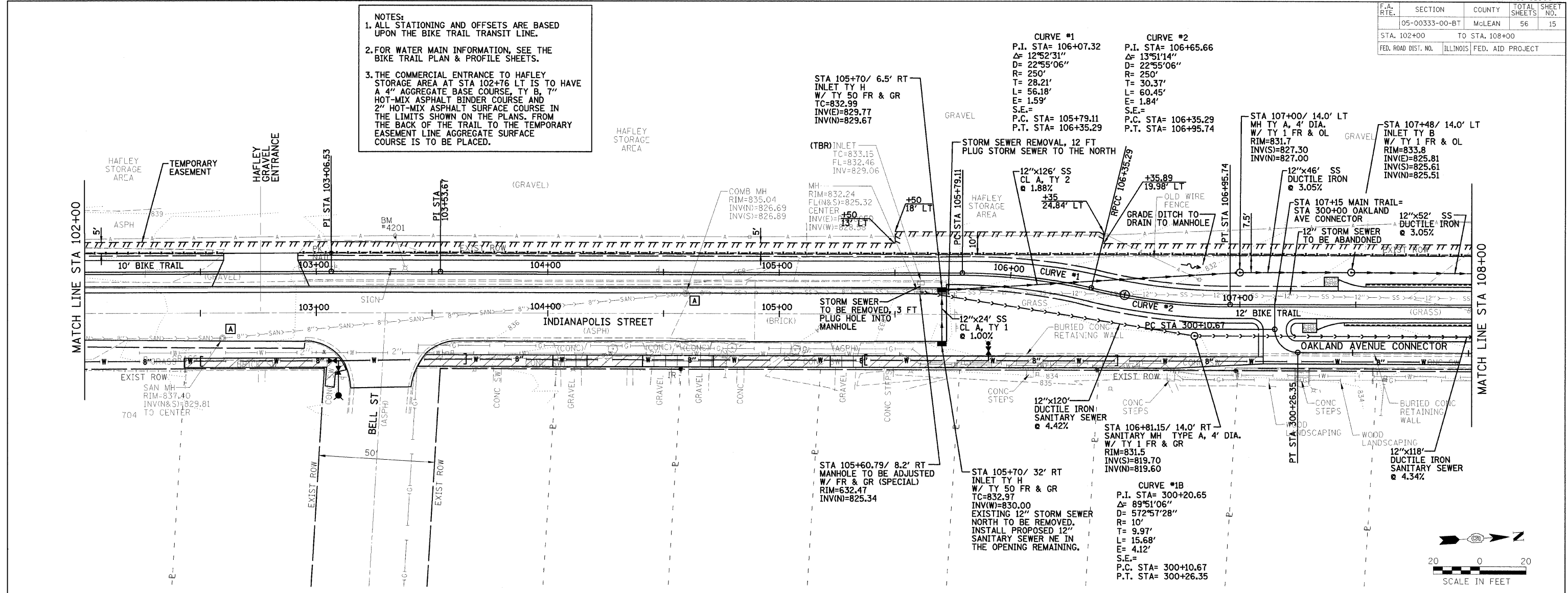
|   |                  |                   |                       |
|---|------------------|-------------------|-----------------------|
| 838.36  | 840.16           | 837.54            | 839.36                |
| 101+50  |                  | 102+00            |                       |
| CITY OF BLOOMINGTON, ILLINOIS<br>MFT SECTION 05-00333-00-BT                         |                  |                   |                       |
| CONSTITUTION TRAIL EXTENSION<br>STORM SEWER & SANITARY SEWER<br>PLAN & PROFILE      |                  |                   |                       |
| DRAWN BY<br>DRR   | DATE<br>01/30/09 | CHECKED BY<br>PJM | FILE NO.<br>24-8173   |
|   |                  | BOOK NO.<br>2752  | SHEET NO.<br>14 OF 56 |
| 2700 McGraw Drive<br>Bloomington, Illinois 61704<br>888.888.8495 / Fax 888.888.8871 |                  |                   |                       |

FILE: DATE:



| F.A. RTE.           | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|---------------------------|--------------|-----------|
| 05-00333-00-BT      | McLEAN  | 56                        | 15           |           |
| STA. 102+00         |         | TO STA. 108+00            |              |           |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |              |           |

**NOTES:**  
 1. ALL STATIONING AND OFFSETS ARE BASED UPON THE BIKE TRAIL TRANSIT LINE.  
 2. FOR WATER MAIN INFORMATION, SEE THE BIKE TRAIL PLAN & PROFILE SHEETS.  
 3. THE COMMERCIAL ENTRANCE TO HAFLEY STORAGE AREA AT STA 102+76 LT IS TO HAVE A 4" AGGREGATE BASE COURSE, TY B, 7" HOT-MIX ASPHALT BINDER COURSE AND 2" HOT-MIX ASPHALT SURFACE COURSE IN THE LIMITS SHOWN ON THE PLANS. FROM THE BACK OF THE TRAIL TO THE TEMPORARY EASEMENT LINE AGGREGATE SURFACE COURSE IS TO BE PLACED.



CITY OF BLOOMINGTON, ILLINOIS  
 MFT SECTION 05-00333-00-BT

CONSTITUTION TRAIL EXTENSION  
 STORM SEWER & SANITARY SEWER  
 PLAN & PROFILE

DRIVEN BY: DRR  
 DATE: 01/30/09  
 CHECKED BY: PJM

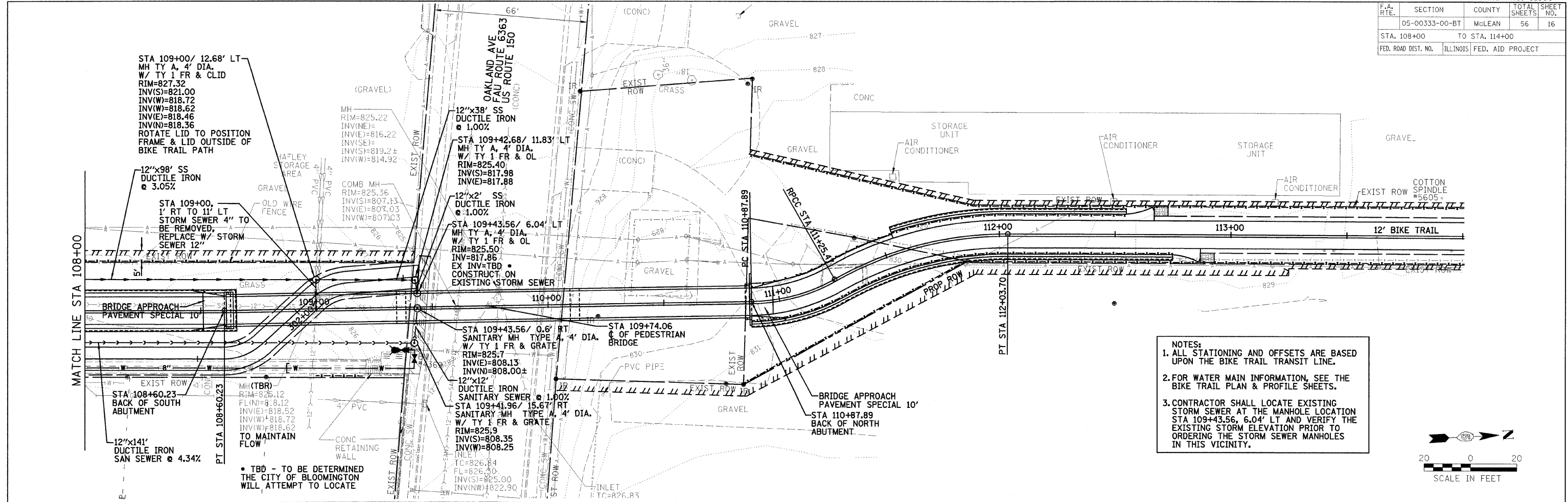
**Farnsworth GROUP**  
 2700 McGraw Drive  
 Bloomington, Illinois 61704  
 800.888.9485 / fax 309.888.3871

FILE NO. 24-8173  
 BOOK NO. 2752  
 SHEET NO. 15 OF 56

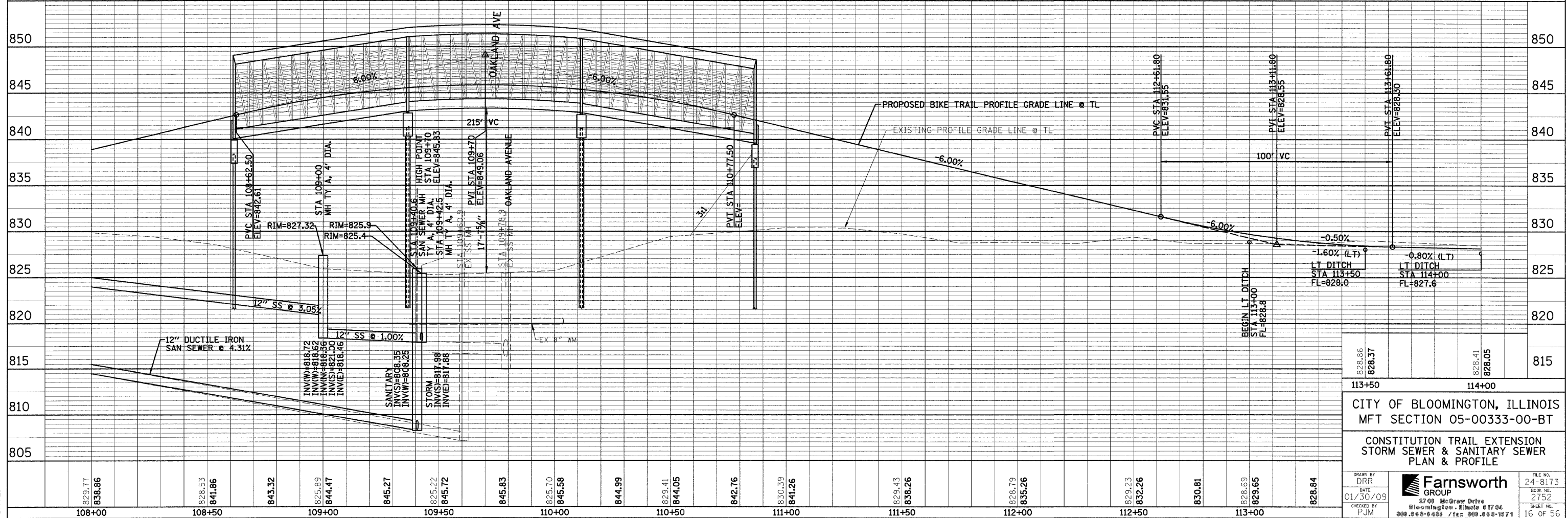
REVISED 03/08/09 DRR UTIL PP-3

FILE:  
 DATE:

| F.A. RTE.           | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|---------------------------|--------------|-----------|
| 05-00333-00-BT      | McLEAN  | 56                        | 16           |           |
| STA. 108+00         |         | TO STA. 114+00            |              |           |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |              |           |



**NOTES:**  
 1. ALL STATIONING AND OFFSETS ARE BASED UPON THE BIKE TRAIL TRANSIT LINE.  
 2. FOR WATER MAIN INFORMATION, SEE THE BIKE TRAIL PLAN & PROFILE SHEETS.  
 3. CONTRACTOR SHALL LOCATE EXISTING STORM SEWER AT THE MANHOLE LOCATION STA 109+43.56, 6.04' LT AND VERIFY THE EXISTING STORM SEWER ELEVATION PRIOR TO ORDERING THE STORM SEWER MANHOLES IN THIS VICINITY.

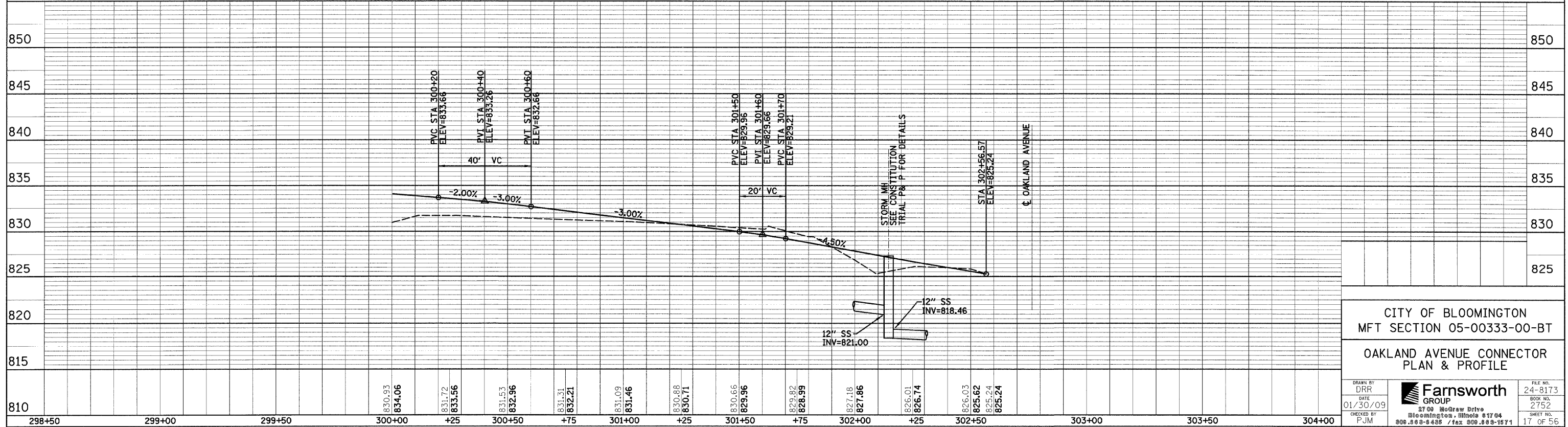
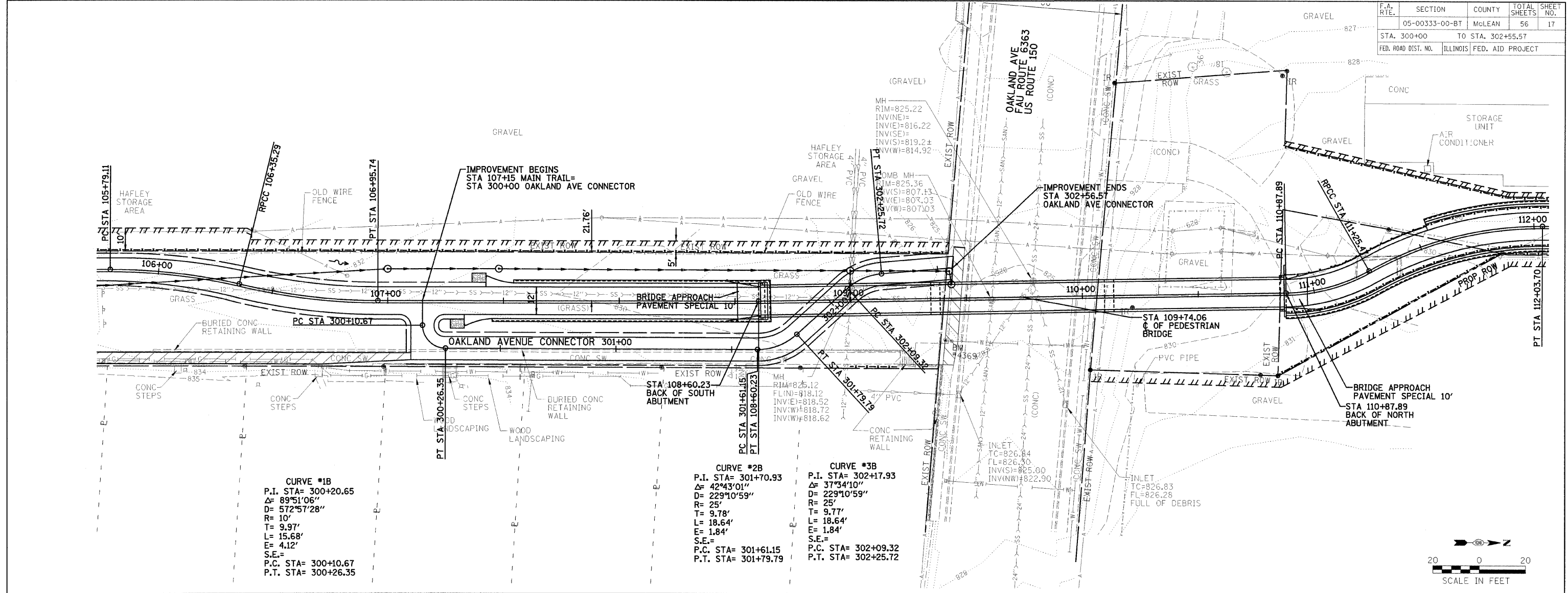


|   |                  |                       |                     |
|---|------------------|-----------------------|---------------------|
| 828.86  | 838.37           | 828.41                | 828.05              |
| 113+50  |                  | 114+00                |                     |
| CITY OF BLOOMINGTON, ILLINOIS<br>MFT SECTION 05-00333-00-BT                         |                  |                       |                     |
| CONSTITUTION TRAIL EXTENSION<br>STORM SEWER & SANITARY SEWER<br>PLAN & PROFILE      |                  |                       |                     |
| DRN BY<br>DRR   | DATE<br>01/30/09 | CHECKED BY<br>PJM     | FILE NO.<br>24-8173 |
| Farnsworth GROUP  |                  | BOOK NO.<br>2752      |                     |
| 2700 McGraw Drive<br>Bloomington, Illinois 61704<br>309.888-8438 / fax 309.888-1971 |                  | SHEET NO.<br>16 OF 56 |                     |

FILE:  
DATE:



| F.A. RTE.                     | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|-------------------------------|---------|---------------------------|--------------|-----------|
| 05-00333-00-BT                | McLEAN  | 56                        | 17           |           |
| STA. 300+00 TO STA. 302+55.57 |         |                           |              |           |
| FED. ROAD DIST. NO.           |         | ILLINOIS FED. AID PROJECT |              |           |

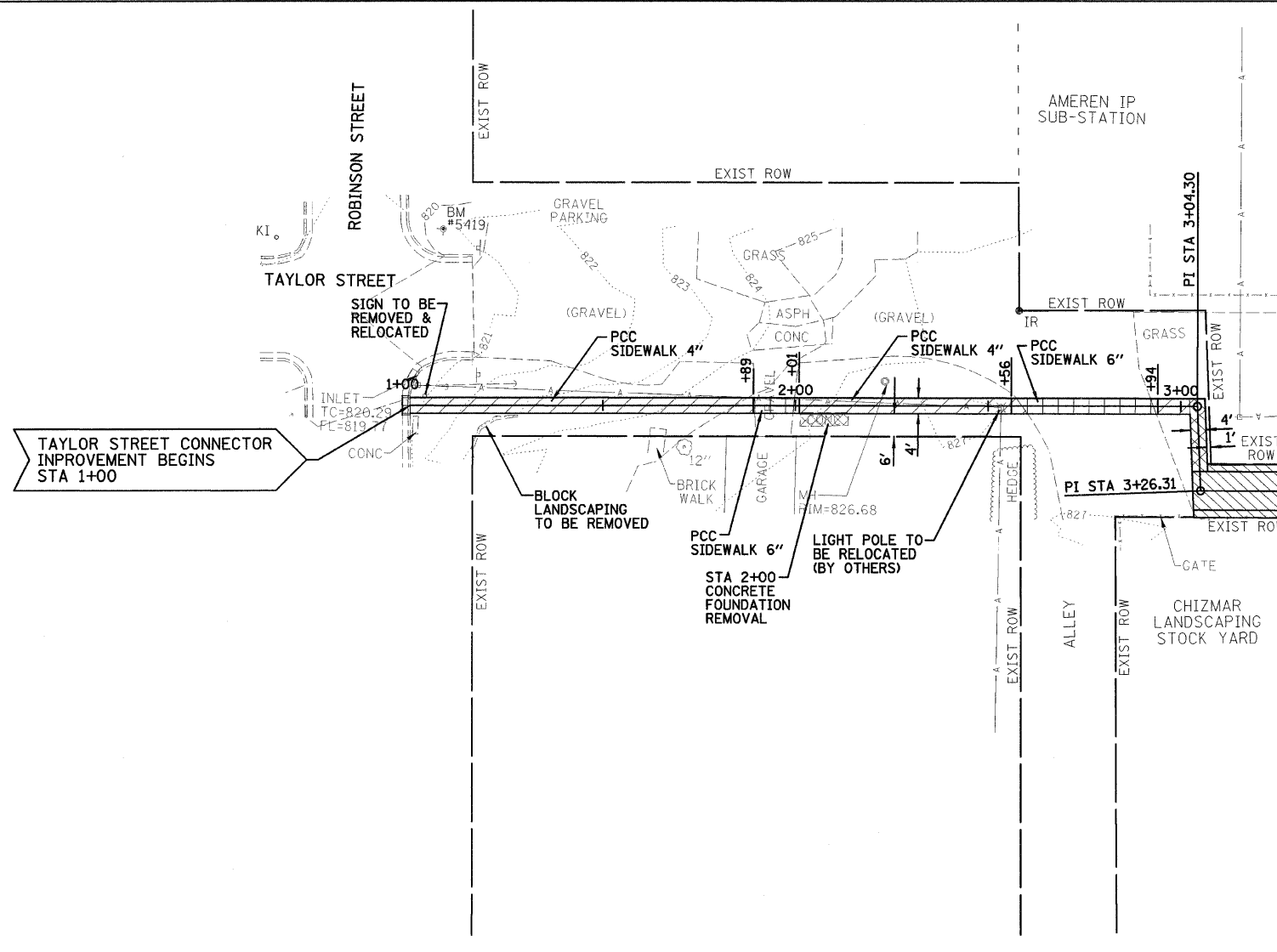


CITY OF BLOOMINGTON  
MFT SECTION 05-00333-00-BT  
OAKLAND AVENUE CONNECTOR  
PLAN & PROFILE

|                 |                  |                   |  |                     |                  |                       |
|-----------------|------------------|-------------------|--|---------------------|------------------|-----------------------|
| DRAWN BY<br>DRR | DATE<br>01/30/09 | CHECKED BY<br>PJM | <b>Farnsworth GROUP</b><br>2700 McGraw Drive<br>Bloomington, Illinois 61704<br>800.888.8888 / Fax 309.888.1871 | FILE NO.<br>24-8173 | BOOK NO.<br>2752 | SHEET NO.<br>17 OF 56 |
|-----------------|------------------|-------------------|--|---------------------|------------------|-----------------------|

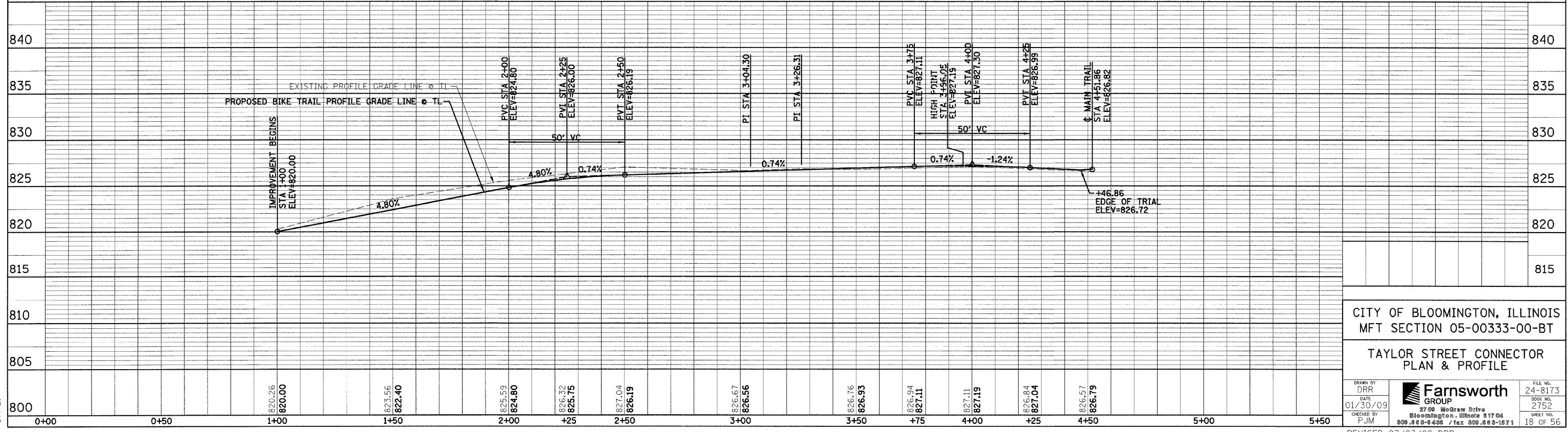
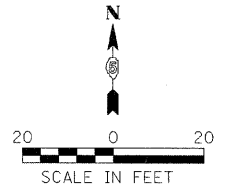
FILE:  
DATE:

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| F.A. RTE.           | SECTION        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN                    | 56           | 18        |
| STA. 1+00           |                | TO STA. 3+50              |              |           |
| FED. ROAD DIST. NO. |                | ILLINOIS FED. AID PROJECT |              |           |



MATCH LINE STA 3+50  
SEE BIKE PATH PLAN & PROFILE  
SHEET NO. 11 of 55  
(STA 1+4+00 - STA 120+00)

AREA OF RESTRICTED EXCAVATION, SEE SPECIAL PROVISIONS

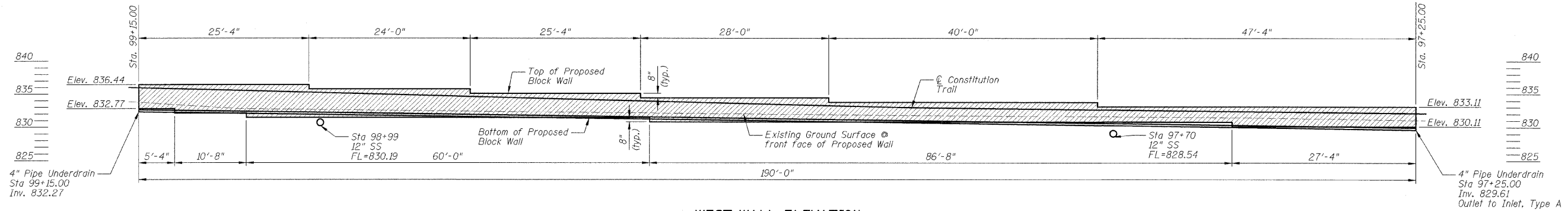


CITY OF BLOOMINGTON, ILLINOIS  
MFT SECTION 05-00333-00-BT  
TAYLOR STREET CONNECTOR  
PLAN & PROFILE

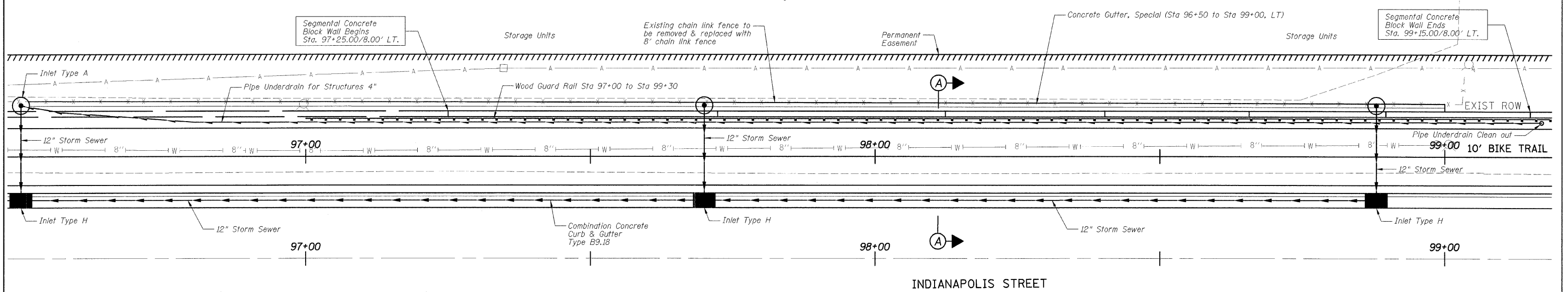
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| DRAWN BY<br>DRR   |   | FILE NO.<br>24-8173   |
| CHECKED BY<br>PJM |   | BOOK NO.<br>2752      |
| DATE<br>01/30/09  | 2700 McGraw Drive<br>Bloomington, Illinois 61704<br>800.888-6466 / fax 800.888-1671 | SHEET NO.<br>18 OF 56 |

FILE:  
DATE:

|                     |                |                  |              |           |
|---------------------|----------------|------------------|--------------|-----------|
| F.A. RTE.           | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN           | 56           | 19        |
| STA.                | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS       | FED. AID PROJECT |              |           |



**WEST WALL ELEVATION**  
(Looking East)

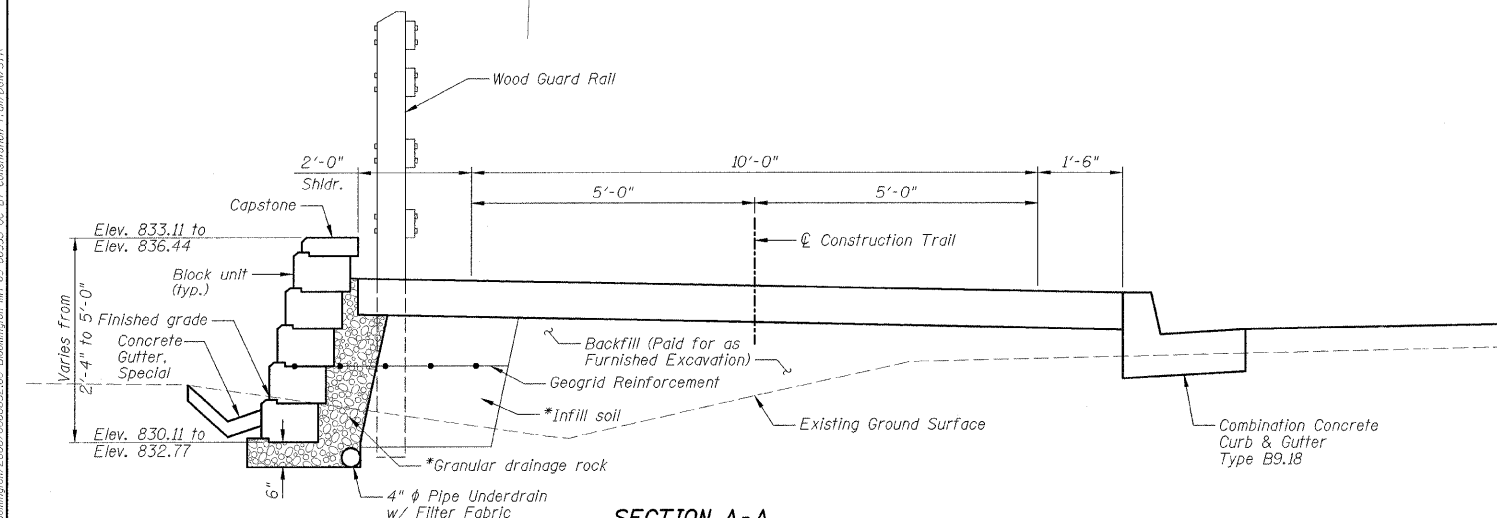


INDIANAPOLIS STREET

PLAN

**SEGMENTAL CONCRETE BLOCK WALL  
BILL OF MATERIAL**

| ITEMS                                 | UNITS   | TOTAL |
|---------------------------------------|---------|-------|
| Pipe Underdrains For Structures 4"    | Foot    | 268   |
| Segmental Concrete Block Wall         | Sq. Ft. | 660   |
| Clear Protective Coating For Concrete | Sq. Ft. | 660   |
| Pipe Underdrain Cleanout, Complete    | Each    | 2     |
| Concrete Gutter, Special              | Foot    | 250   |
|                                       |         |       |
|                                       |         |       |
|                                       |         |       |
|                                       |         |       |
|                                       |         |       |



**SECTION A-A**

\*Included in cost of Segmental Concrete Block Wall.

**NOTES:**

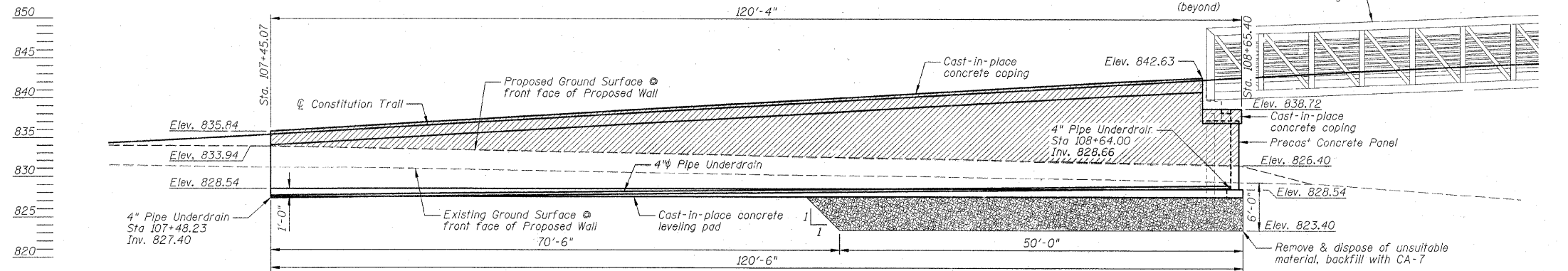
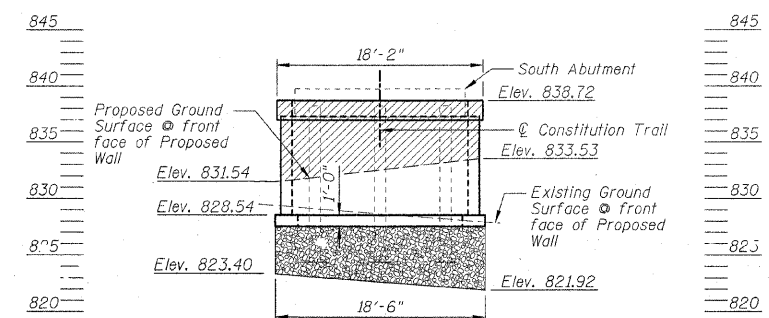
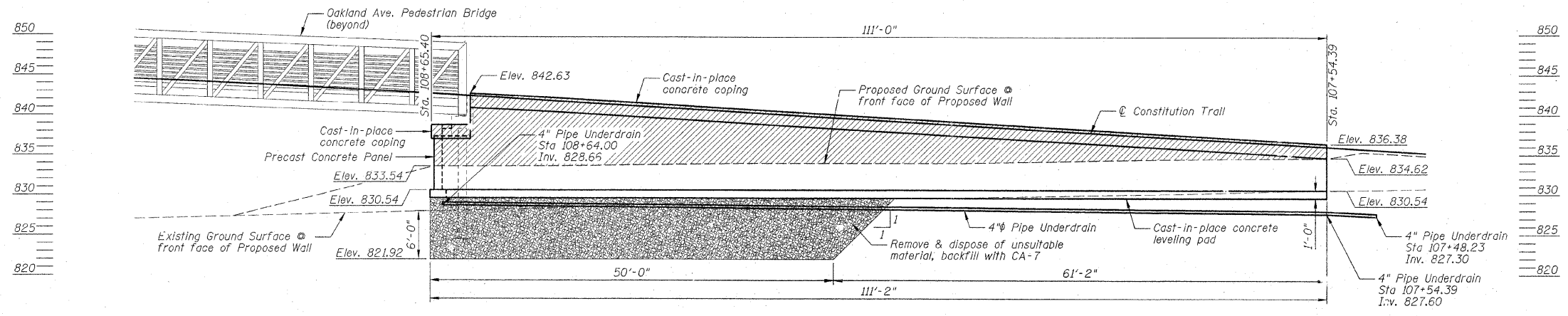
- 1.) See Sheet NW1 for notes, etc.
- 2.) See Sheets 8 & 14 for Constitution Trail Work.
- 3.) Entire Block Retaining Wall to have Clear Protective Coating for Concrete applied.

CITY OF BLOOMINGTON, ILLINOIS  
SECTION 05-00333-00-BT

SEGMENTAL CONCRETE BLOCK WALL  
STA 97+25 TO STA 99+15  
GENERAL PLAN AND ELEVATION

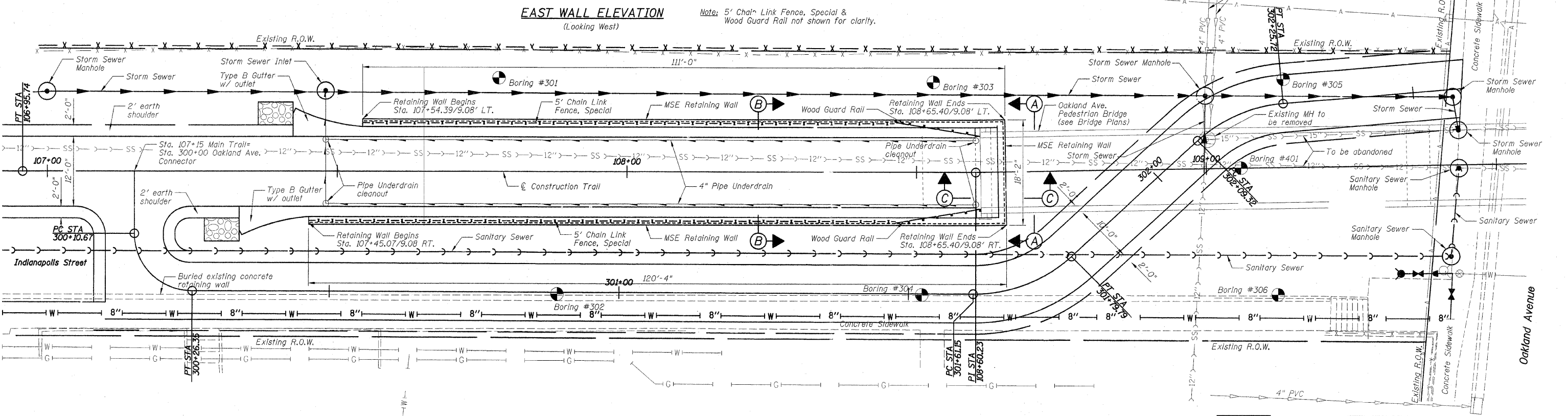
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| DRAWN BY<br>DJM/JTC | <p>2704 McGraw Drive<br/>Bloomington, Illinois 61704<br/>800/888-8488, 808/888-1871 fax</p> | FILE NO.<br>24-8173   |
| DATE<br>01/30/09    |   | BOOK NO.<br>2752      |
| CHECKED BY<br>MSW   |   | SHEET NO.<br>19 OF 56 |
|                     |   |                       |

| F.A. RTE.           | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|---------------------------|--------------|-----------|
| 05-00333-00-BT      | McLEAN  | 56                        | 20           |           |
| STA. TO STA.        |         | SW1 of SW4                |              |           |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |              |           |



**INDEX TO SHEETS**

| SHEET NO. | TITLE                      |
|-----------|----------------------------|
| SW1       | GENERAL PLAN AND ELEVATION |
| SW2       | SECTIONS AND DETAIL        |
| SW3-SW4   | RETAINING WALL BORING LOGS |



Mark S. Wylie Date 3/15/09  
 MARK S. WYLIE  
 ILLINOIS STRUCTURAL ENGINEER  
 No. 081-005002  
 Exp. Date 11/30/10

Limits of Clear Protective Coating for Concrete

- NOTES:**
- Retaining wall offsets are measured to outside of coping.
  - See Sheets B1-B7 for Bridge Plans.
  - Place 4" Pipe Underdrain to miss piles at abutment.

CITY OF BLOOMINGTON, ILLINOIS  
 SECTION 05-00333-00-BT

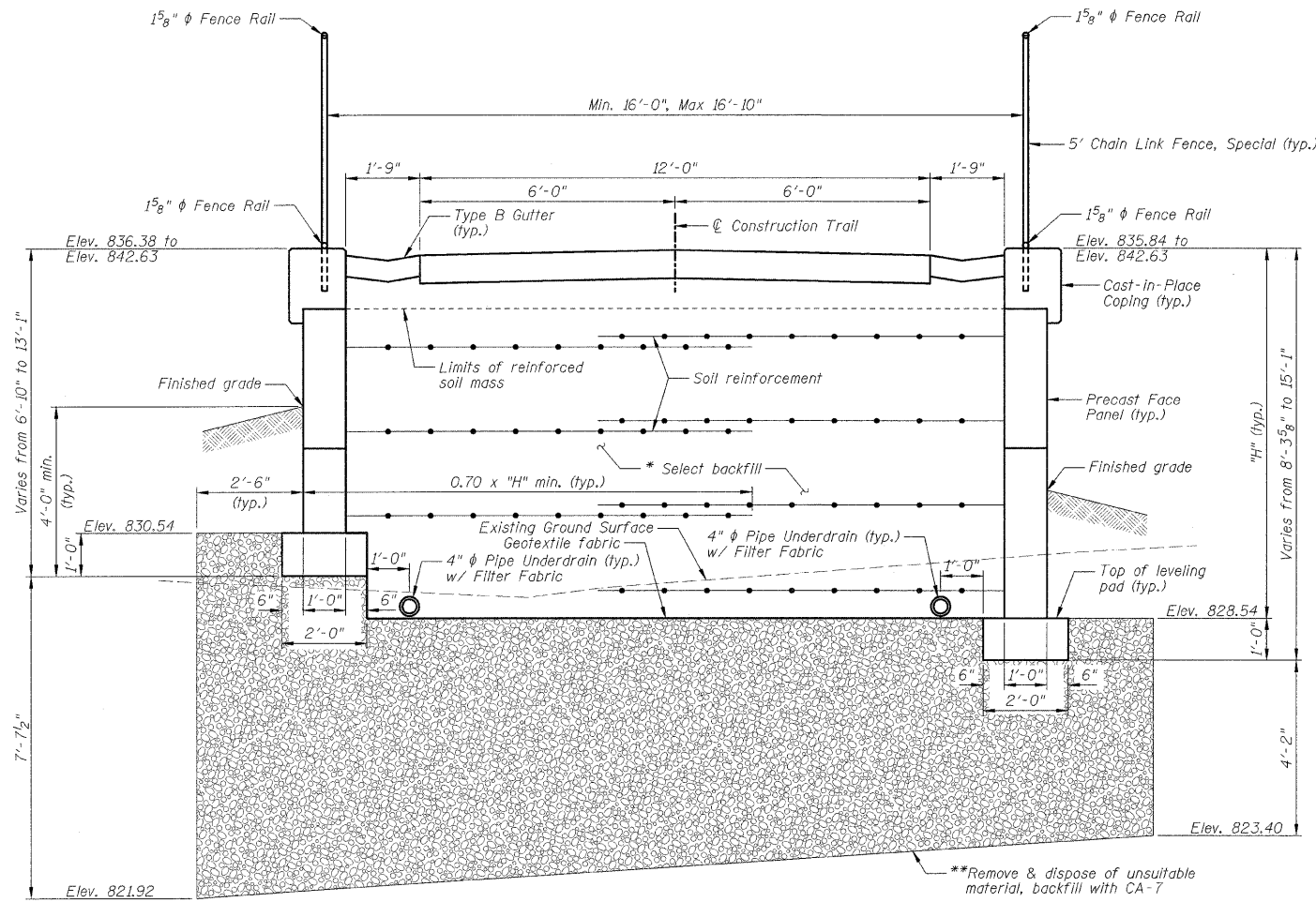
**SOUTH RETAINING WALLS  
 PHASE I  
 GENERAL PLAN AND ELEVATION**

|                     |                       |
|---------------------|-----------------------|
| DRAWN BY<br>DUM/JTC | FILE NO.<br>24-8173   |
| DATE<br>01/30/09    | BOOK NO.<br>2752      |
| CHECKED BY<br>MSW   | SHEET NO.<br>20 OF 56 |

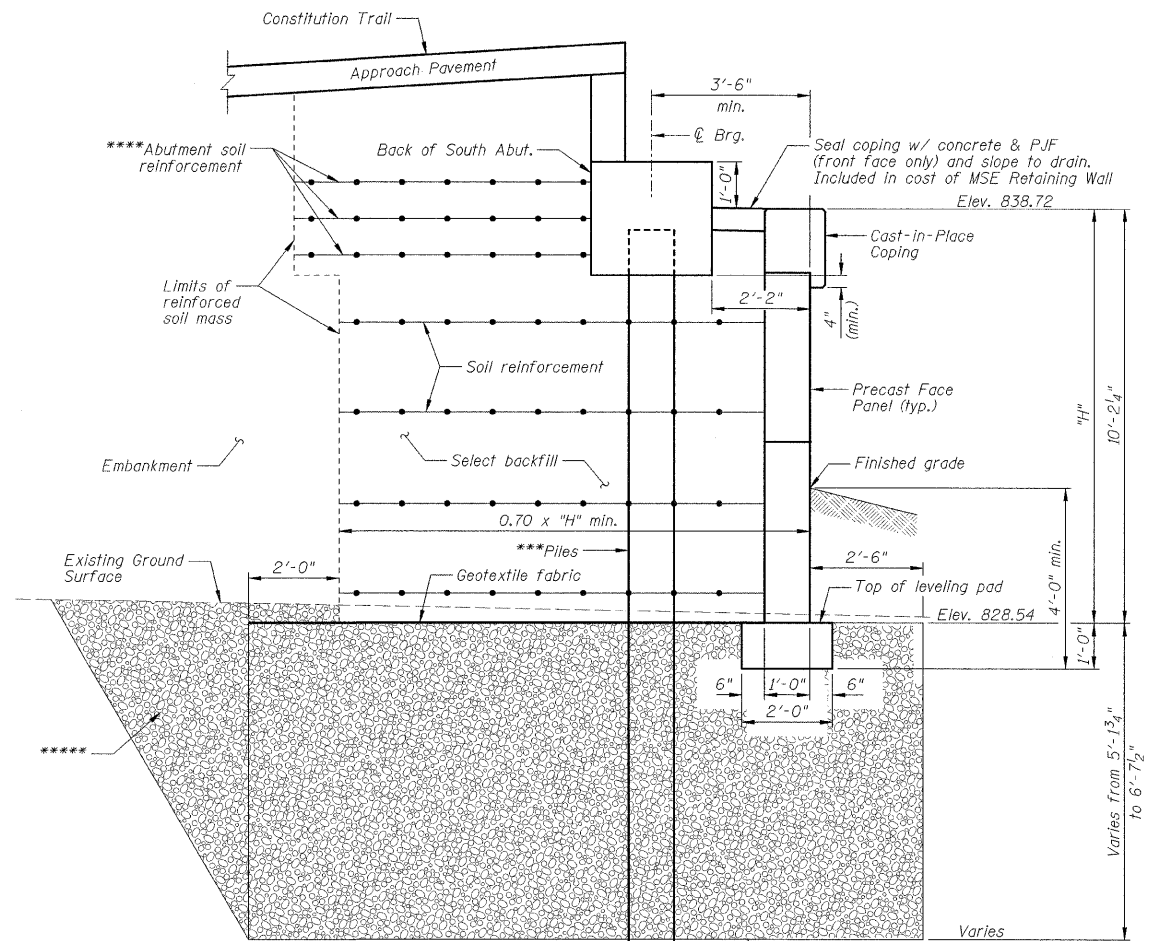
REVISED 03/03/09 DUM

P:\City of Bloomington\2009\0500333-00-BT Construction Trail\DWG\STR

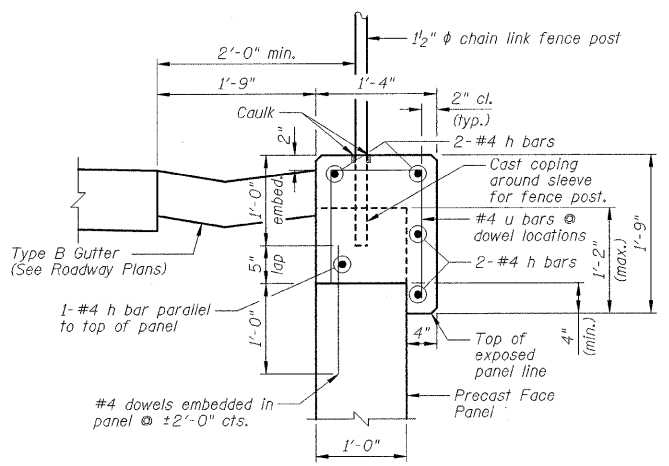
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| F.A. RTE.           | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN           | 56           | 21        |
| STA.                | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS       | FED. AID PROJECT |              |           |



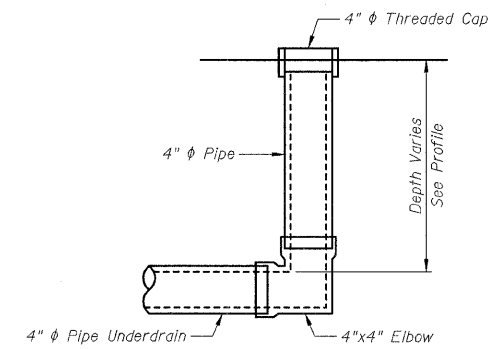
SECTION B-B



SECTION C-C



CAST-IN-PLACE COPING DETAIL



PIPE UNDERDRAIN CLEANOUT, COMPLETE

MSE RETAINING WALL BILL OF MATERIAL

| ITEMS  | UNITS   | TOTAL |
|--|---------|-------|
| Removal And Disposal Of Unsuitable Material  | Cu. Yd. | 380   |
| Porous Granular Embankment, Special          | Cu. Yd. | 380   |
| Pipe Underdrains For Structures 4"           | Foot    | 244   |
| Chain Link Fence, 5' (Special)               | Foot    | 193   |
| Mechanically Stabilized Earth Retaining Wall | Sq. Ft. | 2452  |
| Clear Protective Coating For Concrete        | Sq. Ft. | 1496  |
| Pipe Underdrain Cleanout, Complete           | Each    | 4     |

MSE RETAINING WALL NOTES

- 1.) Contractor to field verify existing elevations and dimensions before starting construction. Notify owner's representative of any discrepancies.
- 2.) Contractor to field locate all utilities before starting construction.
- 3.) After excavation is complete to bottom of gravel base and before installing the gravel base, the contractor shall contact the owner's representative to check the strength of the soil. The minimum unconfined compressive strength required is 1500 psi.
- 4.) Backfill material shall be as recommended by the manufacturer and placement of fill shall also be recommended by the manufacturer.
- 5.) The Filter Fabric required around the 4 inch perforated drain tile shall meet the requirements of section 1080.05 of the Standard Specifications for Road and Bridge Construction in Illinois Adopted January 1, 2007.
- 6.) All work shall be performed in accordance with the Standard Specifications for Road and Bridge Construction in Illinois adopted January 1, 2007.
- 7.) The contractor shall take all precautions necessary to protect the structures from any damage due to the construction operation. Any items damaged by the contractor shall be repaired by the contractor at the contractor's expense to the satisfaction of the owner.
- 8.) The contractor shall install a gravel base under the retaining wall as shown in the plans and in accordance with the manufacturer's instructions.
- 9.) See Standard 664001 for other chain link fence details.

- \*Included in cost of Mechanically Stabilized Earth Retaining Wall.
- \*\*Backfill material included in the cost of Porous Granular Embankment, Special.
- \*\*\*Piles shall be driven prior to placement of the reinforced select fill and coated with coal tar epoxy from the bottom of the select fill to 1" above the base of the abutment. The cost of the coal tar epoxy coating shall be included with the cost of the Furnishing Piles.
- \*\*\*\*The MSE wall supplier shall design the abutment soil reinforcement to resist a horizontal force of 1.7 kips/ft. of abutment.
- \*\*\*\*\*Overexcavation beyond removal of unsuitable material. This area not measured for payment. Backfill over excavation with same material used for Porous Granular Embankment, Special or select fill used in MSE wall.

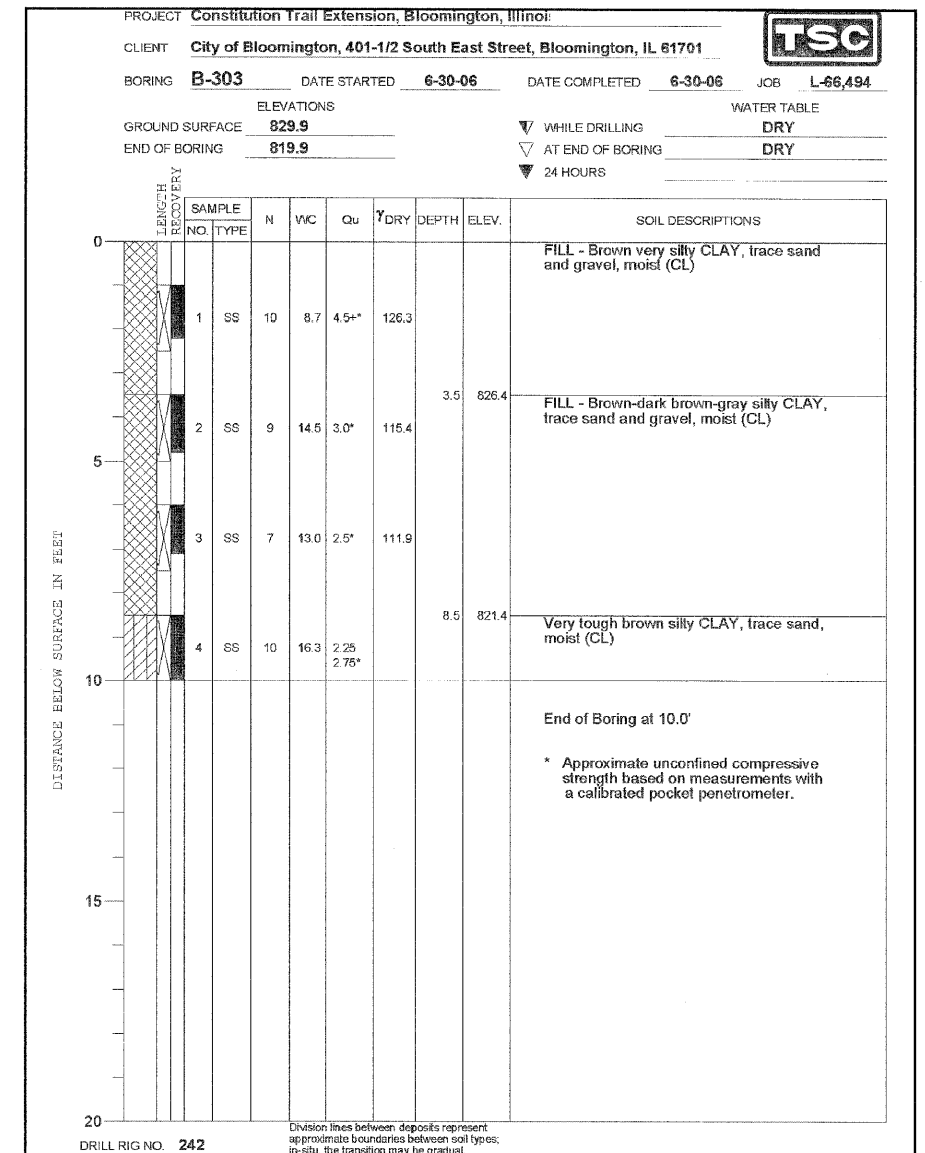
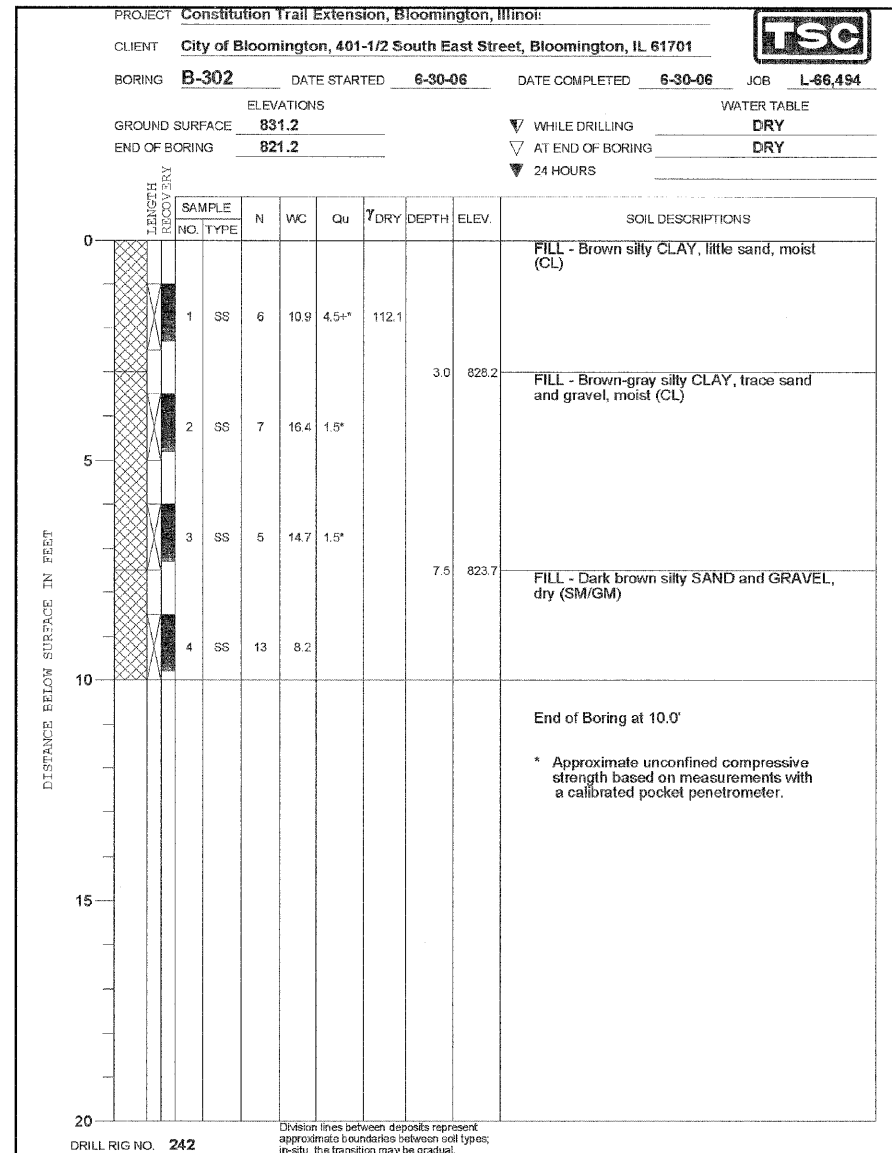
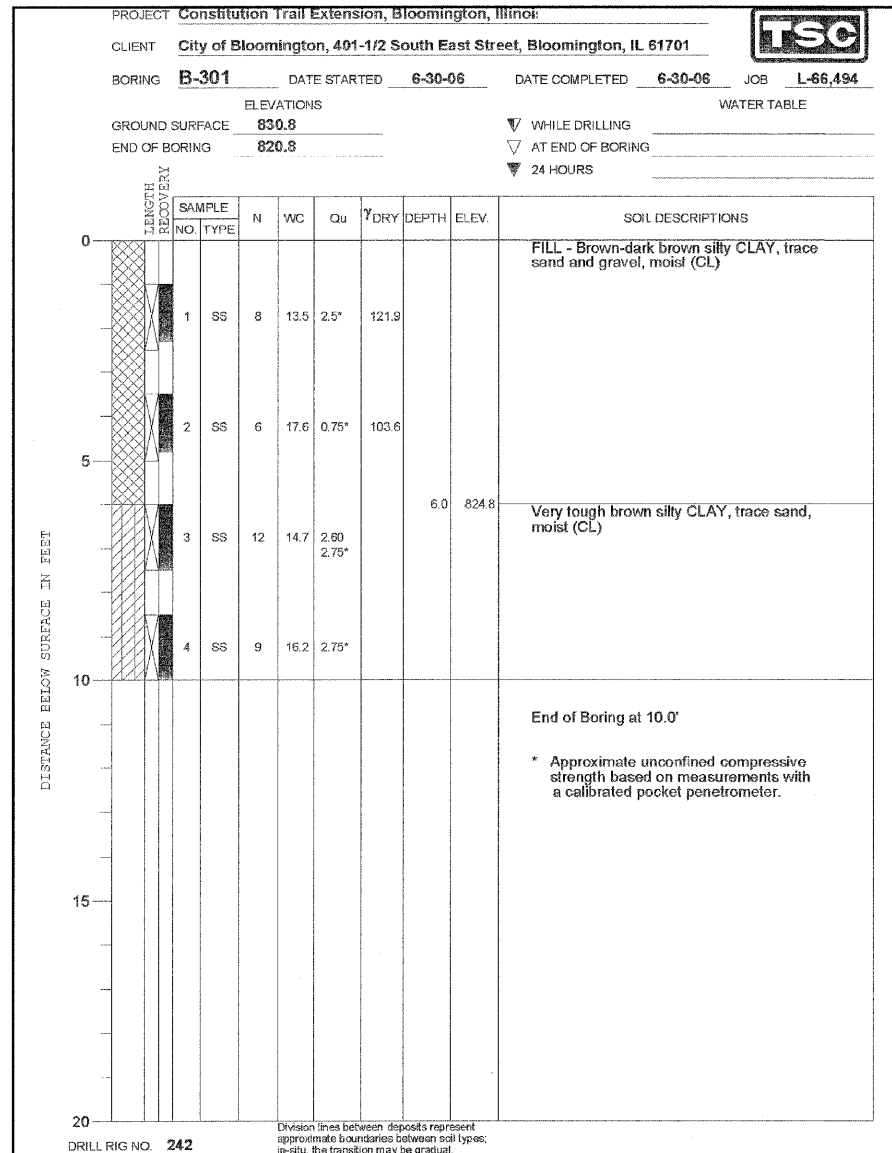
CITY OF BLOOMINGTON, ILLINOIS  
SECTION 05-00333-00-BT

SOUTH RETAINING WALLS  
PHASE II  
SECTIONS AND DETAIL

|                     |   |                       |
|---------------------|---|-----------------------|
| DRAWN BY<br>DJM/JTC | <p>2709 Midway Drive<br/>Bloomington, Illinois 61704<br/>309/868-0435, 309/868-1671 fax</p> | FILE NO.<br>24-8173   |
| DATE<br>01/30/09    |   | BOOK NO.<br>2752      |
| CHECKED BY<br>MSW   |   | SHEET NO.<br>21 of 56 |
|                     |   |                       |



|                     |                |                           |              |           |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE.           | SECTION        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN                    | 56           | 22        |
| STA.                |                | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |                | ILLINOIS FED. AID PROJECT |              |           |



CITY OF BLOOMINGTON, ILLINOIS  
SECTION 05-00333-00-BT

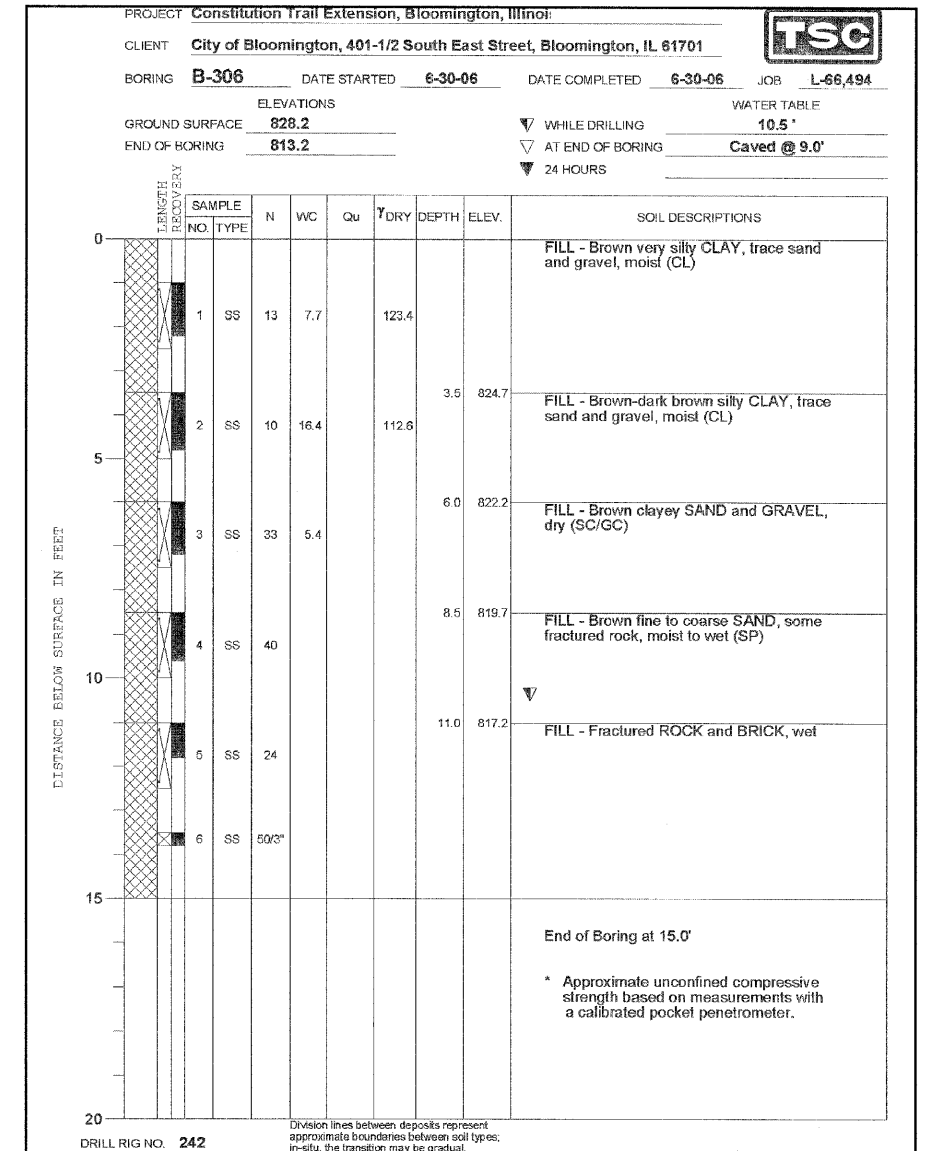
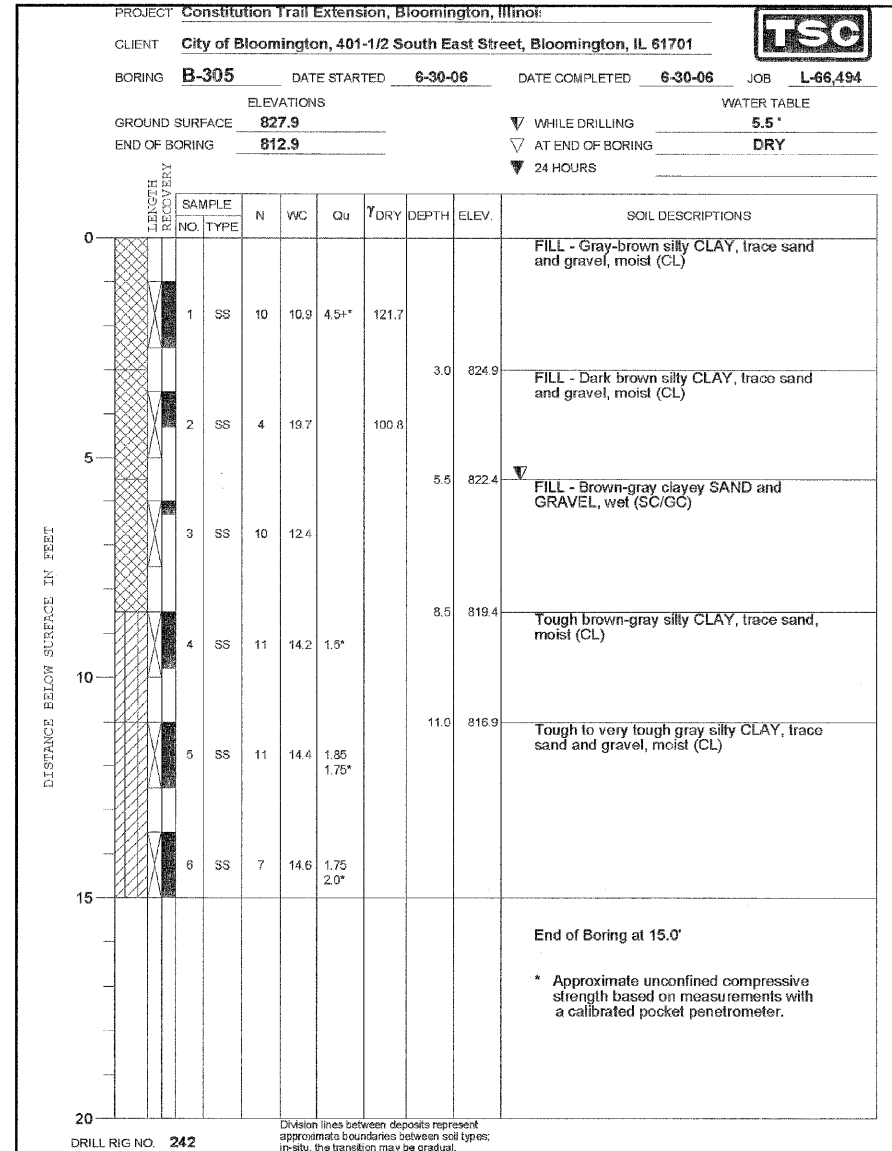
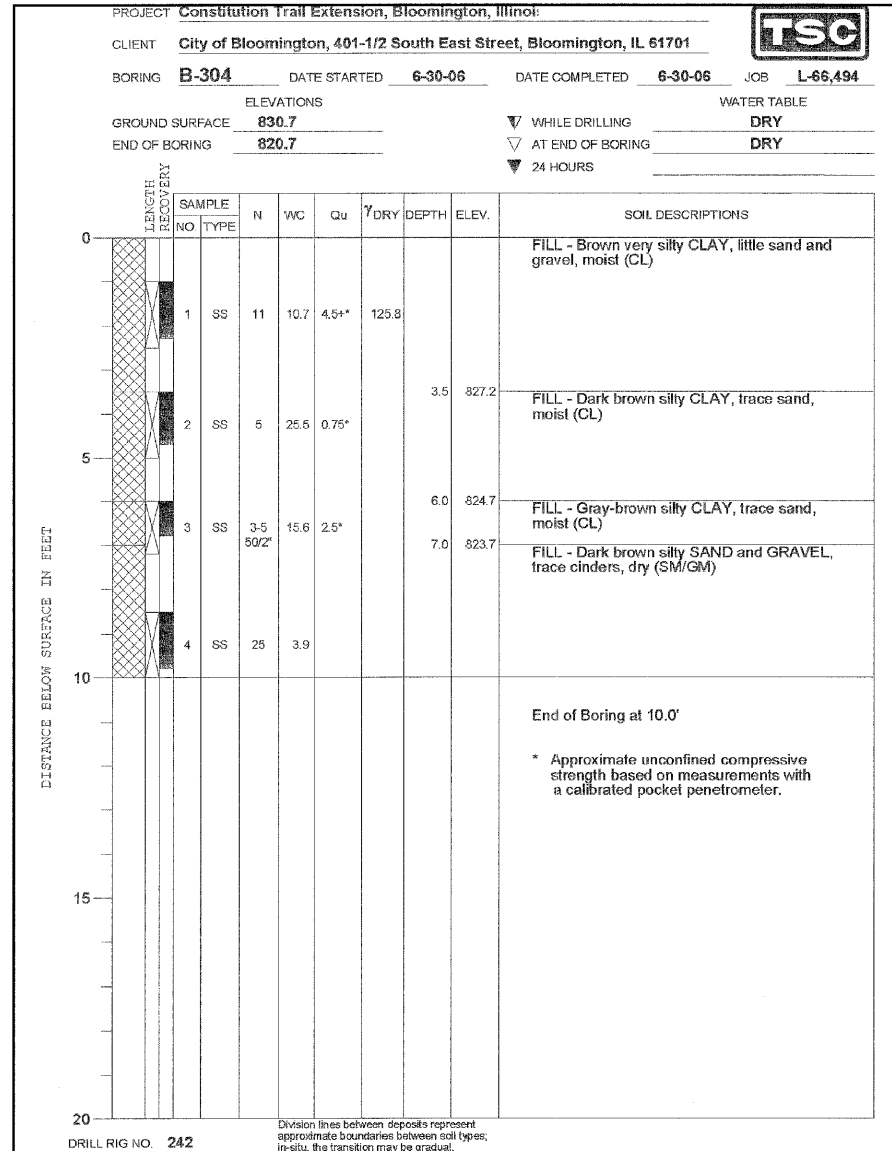
RETAINING WALL BORING LOGS

|                     |                  |                   |   |                     |                  |                       |
|---------------------|------------------|-------------------|---|---------------------|------------------|-----------------------|
| DRAWN BY<br>DJM/JTC | DATE<br>01/30/09 | CHECKED BY<br>MSW | <b>Farnsworth GROUP</b><br>2708 McGraw Drive<br>Bloomington, Illinois 61704<br>309/893-8436, 309/893-1871 fax | FILE NO.<br>24-8173 | BOOK NO.<br>2752 | SHEET NO.<br>22 OF 56 |
|---------------------|------------------|-------------------|---|---------------------|------------------|-----------------------|



|                     |                           |         |              |           |
|---------------------|---------------------------|---------|--------------|-----------|
| F.A. RTE.           | SECTION                   | COUNTY  | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT            | McLEAN  | 56           | 23        |
| STA.                |                           | TO STA. |              |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |         |              |           |

SW4 of SW4



CITY OF BLOOMINGTON, ILLINOIS  
SECTION 05-00333-00-BT

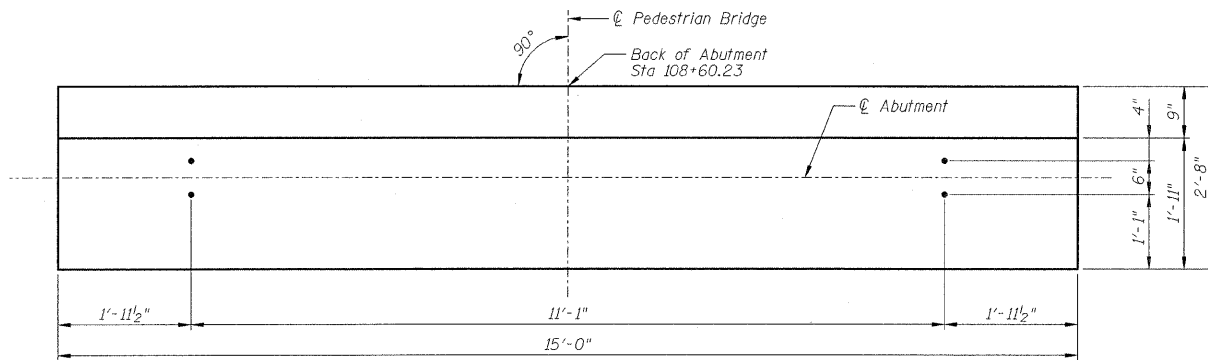
RETAINING WALL BORING LOGS

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| DATE<br>01/30/09    |   | BOOK NO.<br>2752      |
| CHECKED BY<br>MSW   | 8709 MacCraw Drive<br>Bloomington, Illinois 61704<br>309/893-8435, 309/893-1571 fax | SHEET NO.<br>23 of 56 |

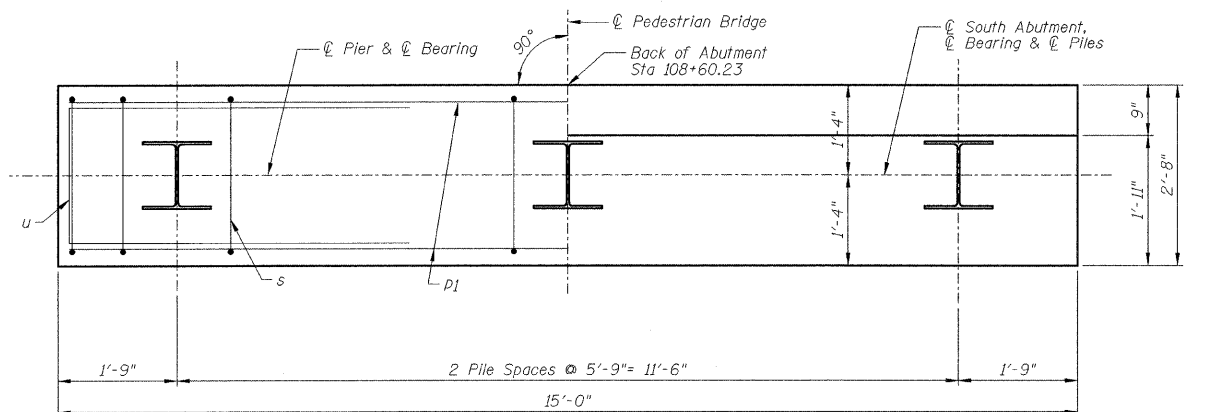
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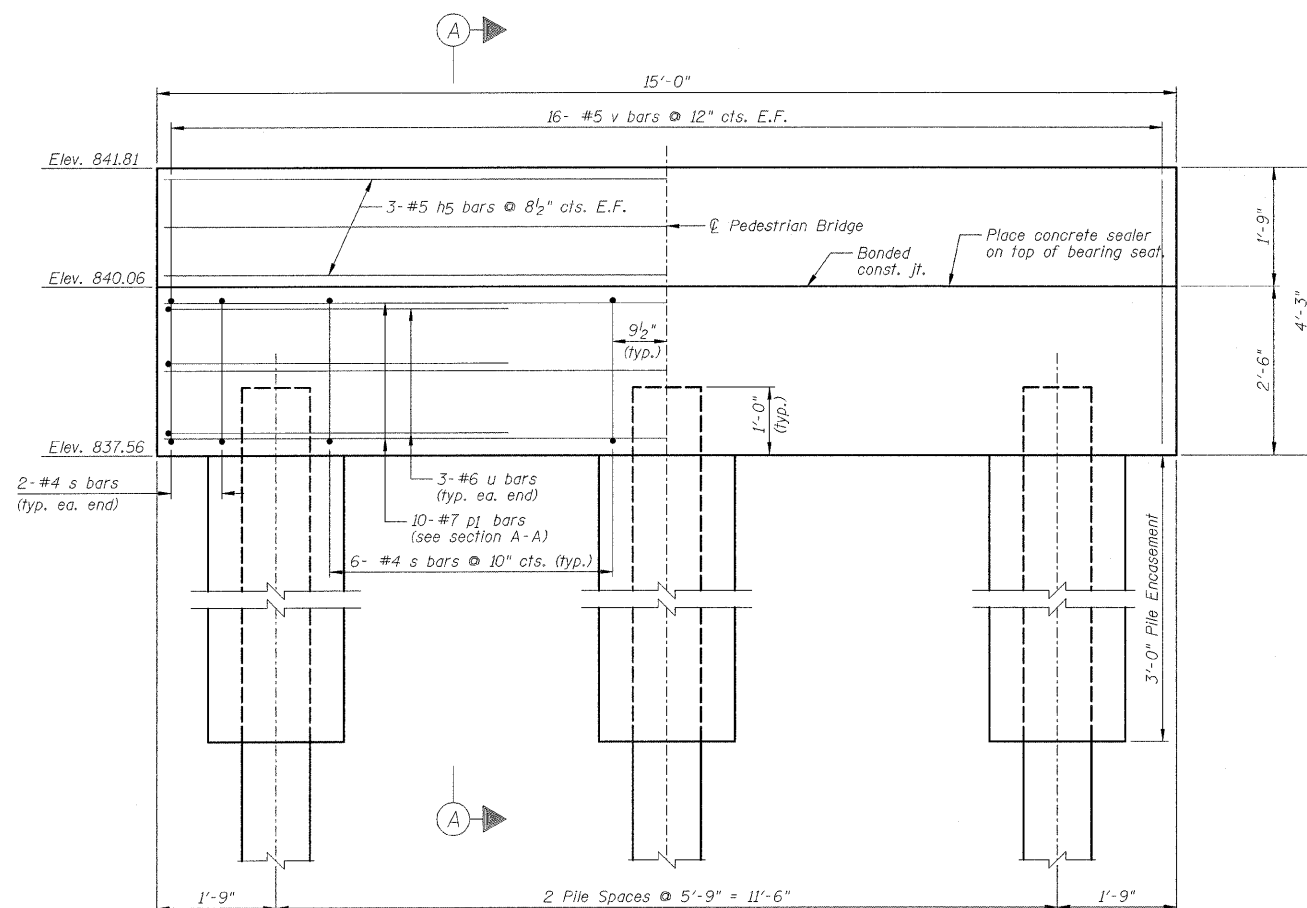
| F.A. RTE.           | SECTION        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|----------------|---------------------------|--------------|-----------|
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| FED. ROAD DIST. NO. |                | ILLINOIS FED. AID PROJECT |              |           |



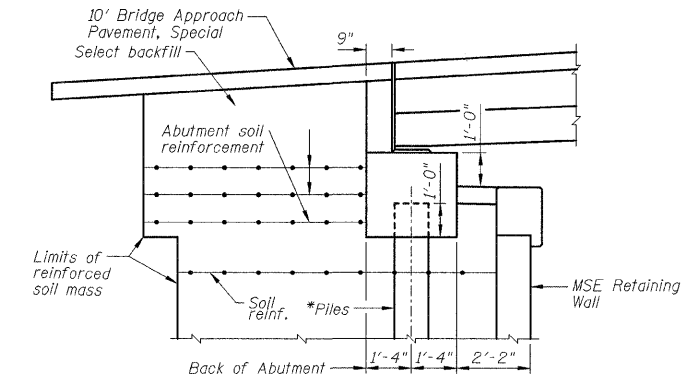
PLAN - ANCHOR BOLT LOCATION (SEE NOTE 4)



PLAN



ELEVATION



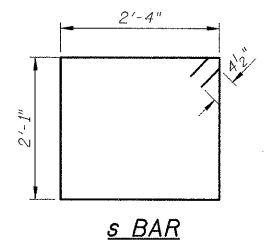
SECTION THRU SOUTH ABUTMENT

\*Piles shall be driven prior to placement of the reinforced select fill and coated with coal tar epoxy from the bottom of the select fill to 1" above the base of the abutment. The cost of the coal tar epoxy coating shall be included with the cost of the Furnishing Piles.

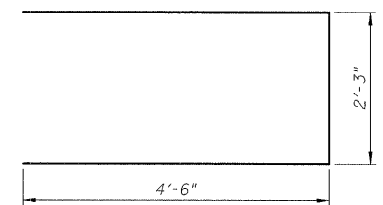
**BILL OF MATERIALS**  
(South Abutment only)

| Bar | No. | Size | Length | Shape |
|-----|-----|------|--------|-------|
| h5  | 6   | #5   | 14'-8" |       |
| p1  | 10  | #7   | 14'-8" |       |
| s   | 16  | #4   | 9'-7"  | □     |
| u   | 6   | #6   | 11'-3" | □     |
| v   | 32  | #5   | 3'-10" |       |

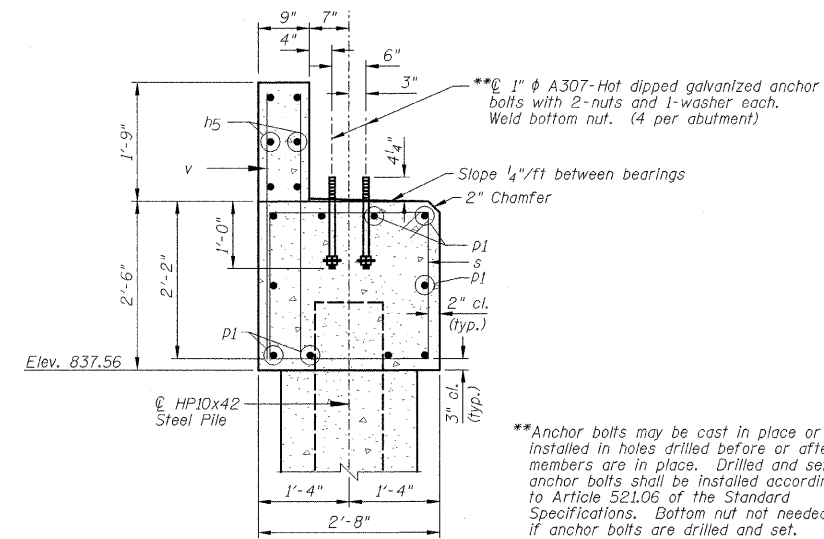
| Item                             | Unit    | Quantity |
|----------------------------------|---------|----------|
| Concrete Structures              | Cu. Yd. | 4.4      |
| Concrete Encasement              | Cu. Yd. | 1.0      |
| Reinforcement Bars, Epoxy Coated | Pound   | 730      |
| Furnishing Steel Piles HP 10x42  | Foot    | 106      |
| Driving Piles                    | Foot    | 106      |
| Test Pile Steel HP 10x42         | Each    | 1        |
| Anchor Bolts, 1"                 | Each    | 4        |
| Concrete Sealer                  | Sq. Ft. | 30       |



s BAR



u BAR



SECTION A-A

\*\* Anchor bolts may be cast in place or installed in holes drilled before or after members are in place. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Bottom nut not needed if anchor bolts are drilled and set.

**PILE DATA**

(South Abutments)

|                        |                  |
|------------------------|------------------|
| Type:                  | Steel HP 10 x 42 |
| No. Req'd.:            | 2-1 Test Pile    |
| Est. Length:           | 53 Feet          |
| Nom. Req. Brg.:        | 195 kips         |
| Allowable Res. Avail.: | 65 kips          |

**NOTES:**

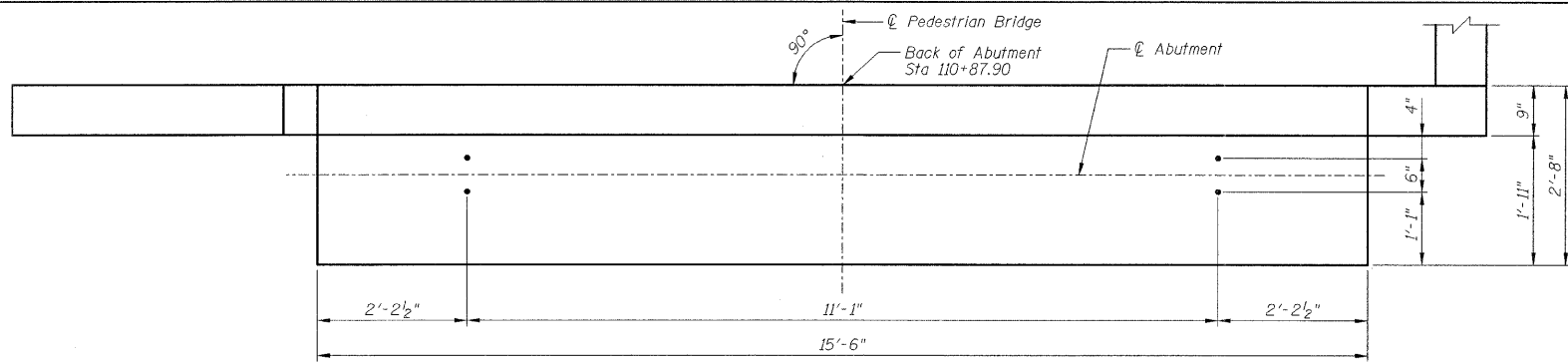
- 1.) Space reinforcement in cap to miss anchor bolts.
- 2.) For pile details, see Sheet B5.
- 3.) Drive Test Pile in South Abutment.
- 4.) Verify anchor bolt spacing, size and locations with bridge manufacturer before construction.
- 5.) Piles shall be driven through 18" diameter precored holes extending to elevation 807.00 according to Article 512.05(c) of the Standard Specifications. Cost included in driving piles.

CITY OF BLOOMINGTON, ILLINOIS  
SECTION 05-00333-00-BT

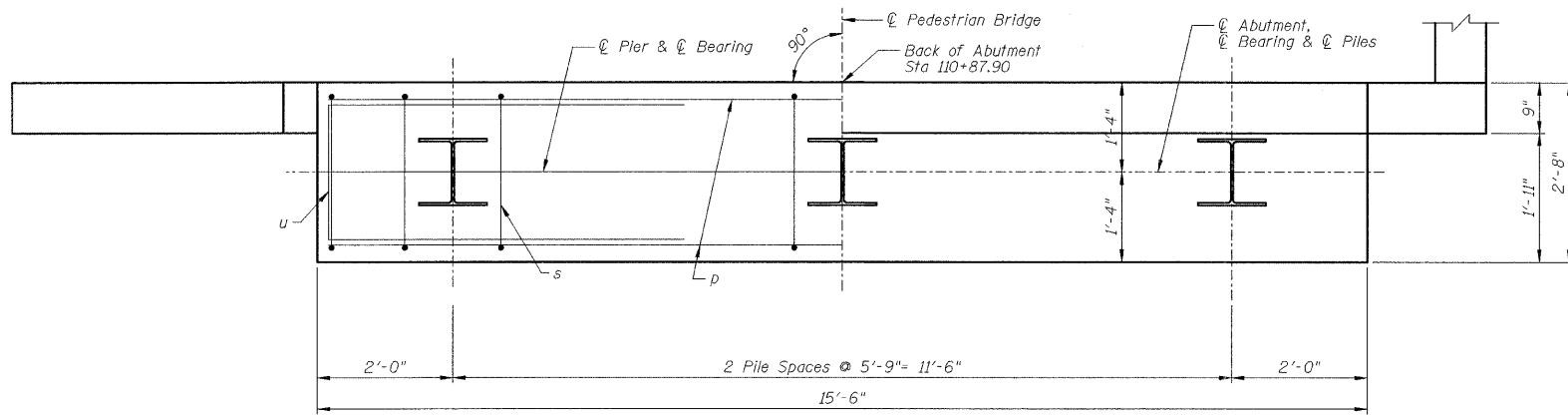
**SOUTH ABUTMENT**

|                     |   |                       |
|---------------------|---|-----------------------|
| DRAWN BY<br>DJM/JTC | <p>2700 McGraw Drive<br/>Bloomington, Illinois 61704<br/>309/888-8435, 309/888-1671 fax</p> | FILE NO.<br>24-8173   |
| DATE<br>01/30/09    |   | BOOK NO.<br>2752      |
| CHECKED BY<br>MSW   |   | SHEET NO.<br>25 of 56 |
|                     |   |                       |

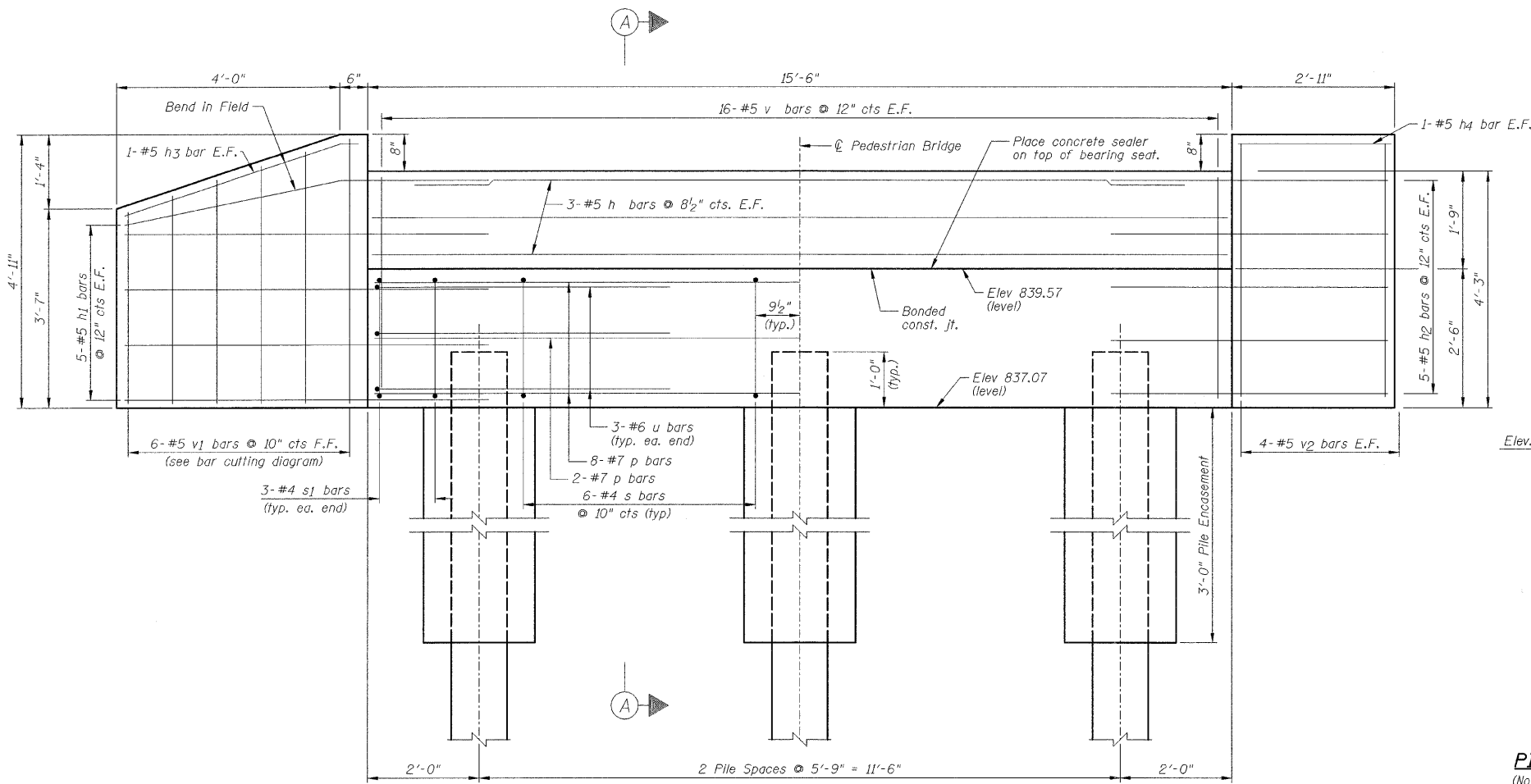
| F.A. RTE.           | SECTION        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|----------------|---------------------------|--------------|-----------|
|                     | 05-00333-00-BT | McLEAN                    | 56           | 26        |
| STA.                |                | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |                | ILLINOIS FED. AID PROJECT |              |           |



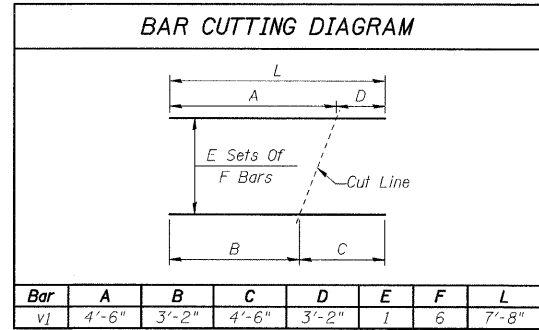
PLAN - ANCHOR BOLT LOCATION (SEE NOTE 5)



PLAN



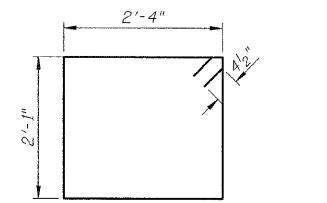
ELEVATION



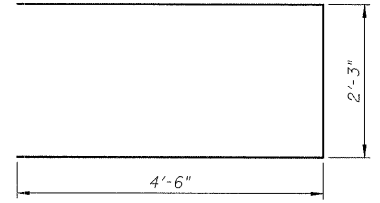
Order v bars full length, cut to fit and use remainder of bars in opposite face.

**BILL OF MATERIALS**  
(North Abutment only)

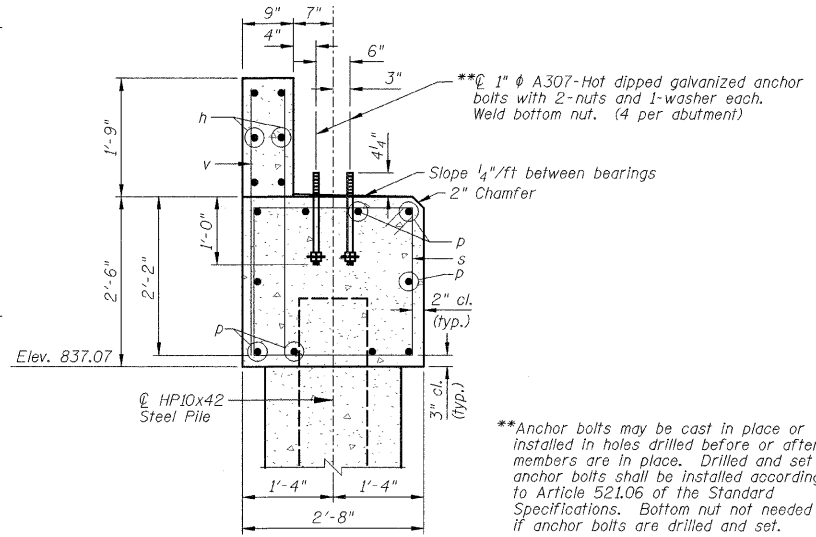
| Bar                              | No. | Size    | Length   | Shape |
|----------------------------------|-----|---------|----------|-------|
| h                                | 6   | #5      | 15'-2"   | —     |
| h1                               | 10  | #5      | 6'-8"    | —     |
| h2                               | 10  | #5      | 4'-11"   | —     |
| h3                               | 2   | #5      | 4'-7"    | —     |
| h4                               | 2   | #5      | 2'-7"    | —     |
| p                                | 10  | #7      | 15'-2"   | —     |
| s                                | 18  | #4      | 9'-7"    | □     |
| u                                | 6   | #6      | 11'-3"   | □     |
| v                                | 32  | #5      | 3'-10"   | —     |
| v1                               | 6   | #5      | 7'-8"    | —     |
| v2                               | 8   | #5      | 4'-7"    | —     |
| Item                             |     | Unit    | Quantity |       |
| Concrete Structures              |     | Cu. Yd. | 5.5      |       |
| Concrete Encasement              |     | Cu. Yd. | 1.0      |       |
| Reinforcement Bars, Epoxy Coated |     | Pound   | 970      |       |
| Furnishing Steel Piles HP 10x42  |     | Foot    | 100      |       |
| Driving Piles                    |     | Foot    | 100      |       |
| Test Pile Steel HP 10x42         |     | Each    | 1        |       |
| Anchor Bolts, 1"                 |     | Each    | 4        |       |
| Concrete Sealer                  |     | Sq. Ft. | 30       |       |



s BAR



u BAR



SECTION A-A

\*\*Anchor bolts may be cast in place or installed in holes drilled before or after members are in place. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Bottom nut not needed if anchor bolts are drilled and set.

**NOTES:**

- 1.) Space reinforcement in cap to miss anchor bolts.
- 2.) Order v1 bars full length. Cut according to Bar Cutting Diagram. Use remainder of v1 bars in opposite face.
- 3.) For pile details, see Sheet B5.
- 4.) Drive Test Pile in North Abutment.
- 5.) Verify anchor bolt spacing, size and locations with bridge manufacturer before construction.
- 6.) Piles shall be driven through 18" diameter precored holes extending to elevation 812.00 according to Article 512.09(c) of the Standard Specifications. Cost included in driving piles.

**PILE DATA**  
(North Abutments)

Type: Steel HP 10 x 42  
No. Req'd.: 2+1 Test Pile  
Est. Length: 50 Feet  
Nom. Req. Brg.: 195 kips  
Allowable Res. Avail.: 65 kips

CITY OF BLOOMINGTON, ILLINOIS  
SECTION 05-00333-00-BT

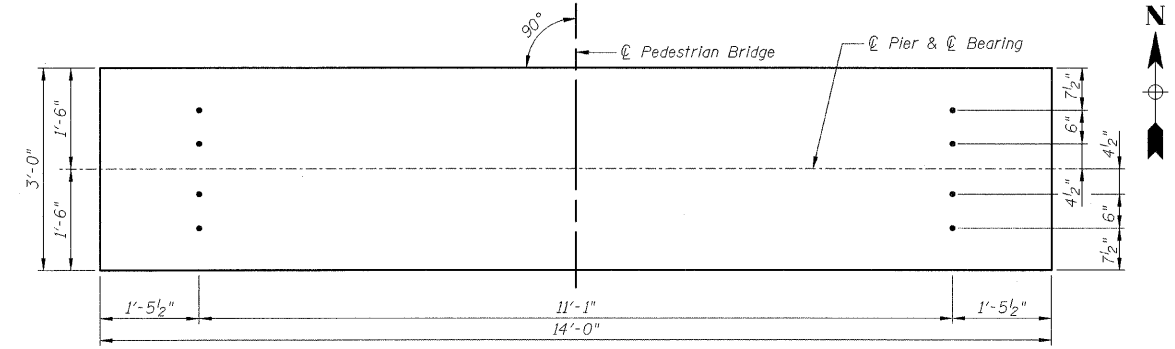
**NORTH ABUTMENT**

|                     |  |                       |
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| DRAWN BY<br>DJM/JTC |  | FILE NO.<br>24-8173   |
| DATE<br>01/30/09    |  | BOOK NO.<br>2752      |
| CHECKED BY<br>MSW   | 2708 McDraw Drive<br>Bloomington, Illinois 61704<br>309/898-8435, 309/898-1871 fax | SHEET NO.<br>26 of 56 |

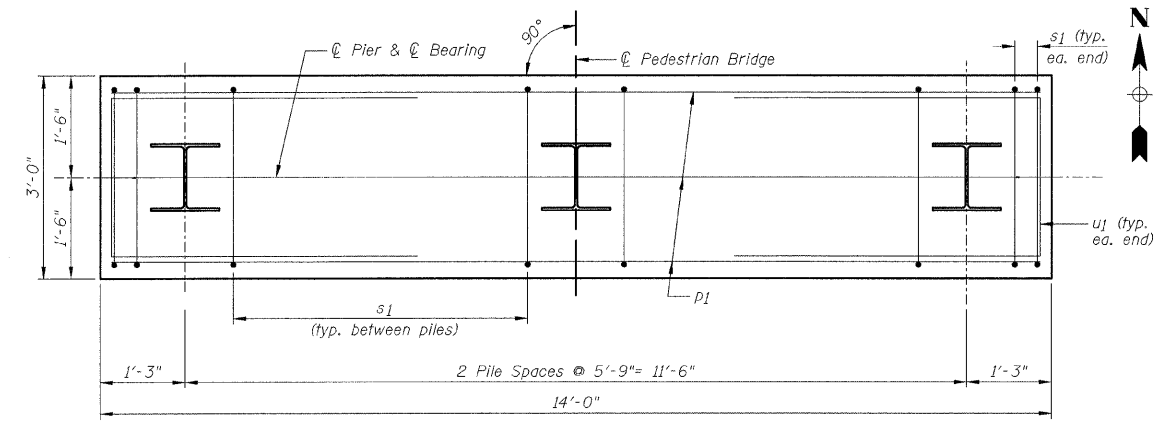
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| F.A. RTE.           | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN           | 56           | 27        |
| STA.                | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS       | FED. AID PROJECT |              |           |

**BILL OF MATERIALS - PIERS**  
(Quantities for 2 Piers)

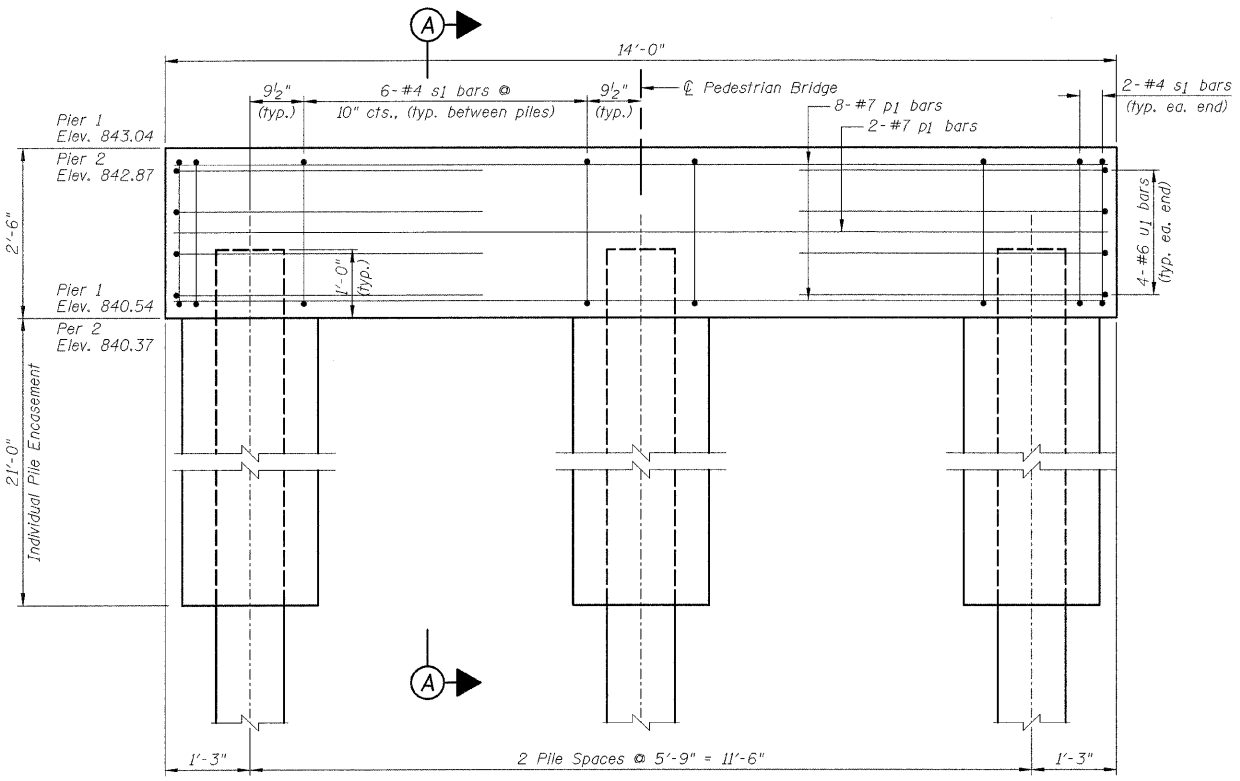
| Bar                                   | No.     | Size     | Length | Shape |
|---------------------------------------|---------|----------|--------|-------|
| p1                                    | 20      | #7       | 13'-8" | —     |
| s1                                    | 32      | #4       | 10'-5" | □     |
| u1                                    | 16      | #6       | 11'-7" | □     |
| Item                                  | Unit    | Quantity |        |       |
| Concrete Structures                   | Cu. Yd. | 7.8      |        |       |
| Concrete Encasement                   | Cu. Yd. | 14.6     |        |       |
| Reinforcement Bars, Epoxy Coated      | Pound   | 1060     |        |       |
| Furnishing Steel Piles HP 10x42       | Foot    | 414      |        |       |
| Driving Piles                         | Foot    | 414      |        |       |
| Anchor Bolts, 1"                      | Each    | 16       |        |       |
| Concrete Sealer                       | Sq. Ft. | 84       |        |       |
| Clear Protective Coating For Concrete | Sq. Ft. | 415      |        |       |



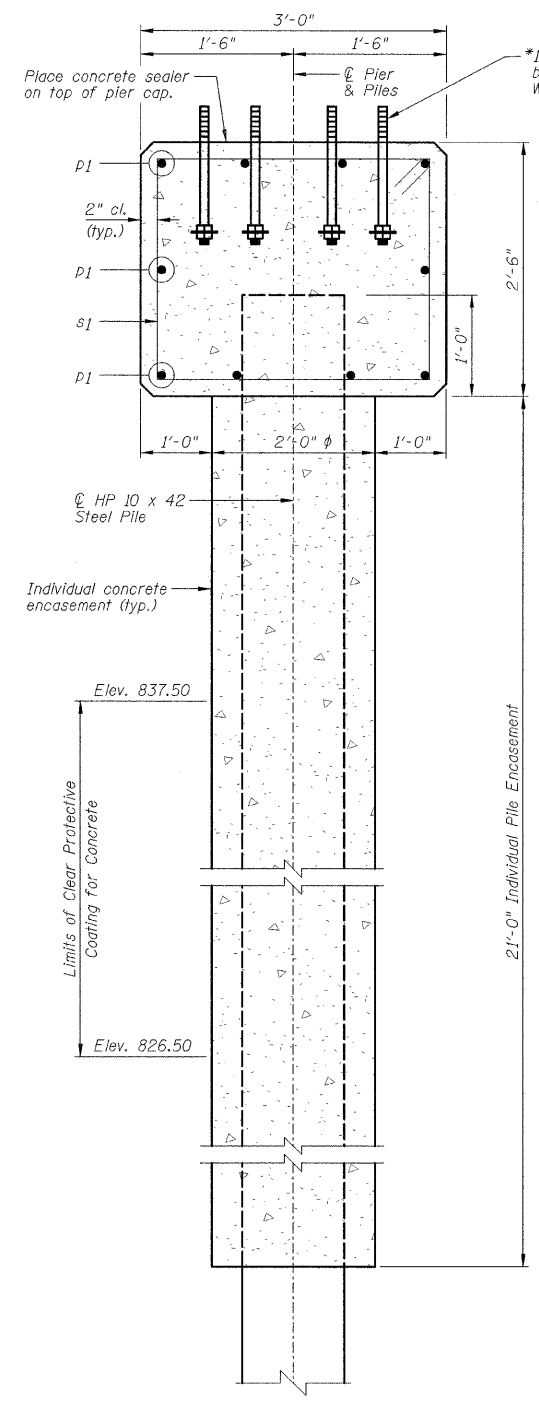
PLAN - ANCHOR BOLT LOCATION



PLAN - PILE CAP



ELEVATION

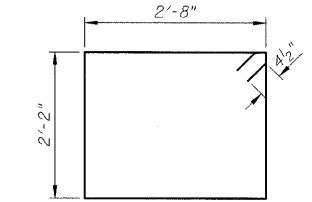


SECTION A-A

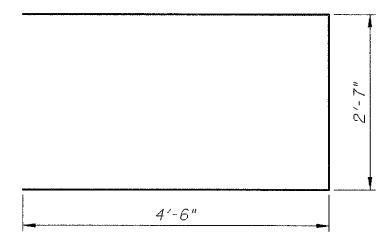
\*Anchor bolts may be cast in place or installed in holes drilled before or after members are in place. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Bottom nut not needed if anchor bolts are drilled and set.

21'-0" Individual Pile Encasement

Limits of Clear Protective Coating For Concrete



s1 BAR



u1 BAR

**PILE DATA**  
(2 Piers)

|                        |            |
|------------------------|------------|
| Type:                  | HP 10 x 42 |
| No. Req'd.:            | 6          |
| Est. Length:           | 69 Feet    |
| Nom. Req. Brg.:        | 303 kips   |
| Allowable Res. Avail.: | 101 kips   |

**NOTES:**

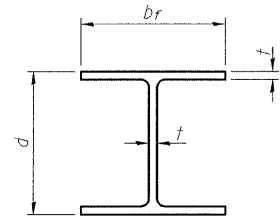
- 1.) Space reinforcement in cap to miss anchor bolts.
- 2.) For pile details, see Sheet B5.
- 3.) Verify anchor bolt spacing, size and locations with bridge manufacturer before construction.
- 4.) Piles shall be driven through 18" diameter precored holes extending to elevation 812.00 according to Article 512.09(c) of the Standard Specifications. Cost included in driving piles.

CITY OF BLOOMINGTON, ILLINOIS  
SECTION 05-00333-00-BT

**PIERS**

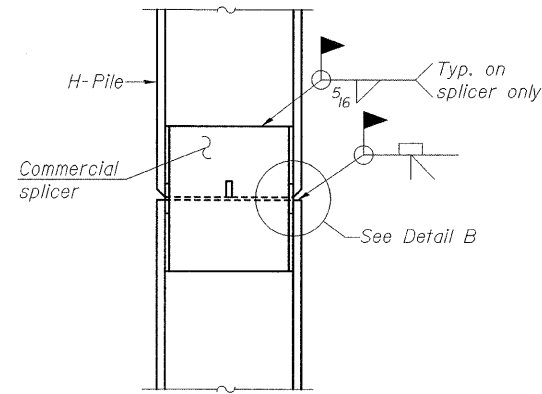
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| CHECKED BY<br>MSW   |  | BOOK NO.<br>2752      |
| DATE<br>01/30/09    |  | SHEET NO.<br>27 OF 56 |

|                     |                |                  |              |           |
|---------------------|----------------|------------------|--------------|-----------|
| F.A. RTE.           | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN           | 56           | 28        |
| STA.                | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS       | FED. AID PROJECT |              |           |

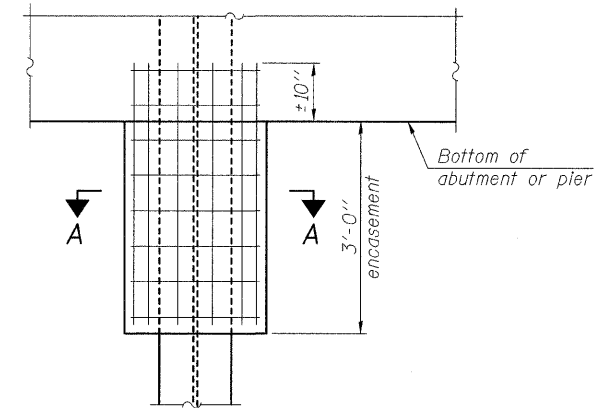


STEEL PILE TABLE

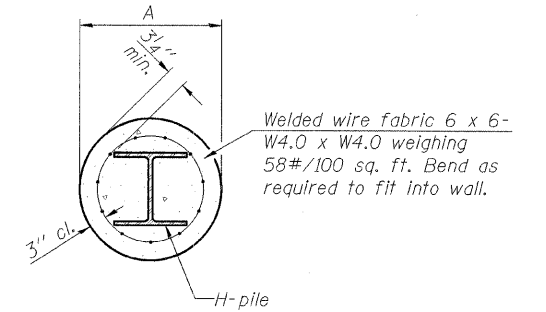
| Designation | Depth d | Flange width bf | Web and Flange thickness t | Encasement diameter A |
|-------------|---------|-----------------|----------------------------|-----------------------|
| HP 14x117   | 14 1/4" | 14 7/8"         | 13/16"                     | 30"                   |
| x102        | 14"     | 14 3/4"         | 1/16"                      | 30"                   |
| x89         | 13 7/8" | 14 3/4"         | 5/8"                       | 30"                   |
| x73         | 13 5/8" | 14 5/8"         | 1/2"                       | 30"                   |
| HP 12x84    | 12 1/4" | 12 1/4"         | 1/16"                      | 24"                   |
| x74         | 12 1/8" | 12 1/4"         | 5/8"                       | 24"                   |
| x63         | 12"     | 12 1/8"         | 1/2"                       | 24"                   |
| x53         | 11 3/4" | 12"             | 7/16"                      | 24"                   |
| HP 10x57    | 10"     | 10 1/4"         | 3/16"                      | 24"                   |
| x42         | 9 3/4"  | 10 1/8"         | 7/16"                      | 24"                   |
| HP 8x36     | 8"      | 8 1/8"          | 7/16"                      | 18"                   |



ELEVATION



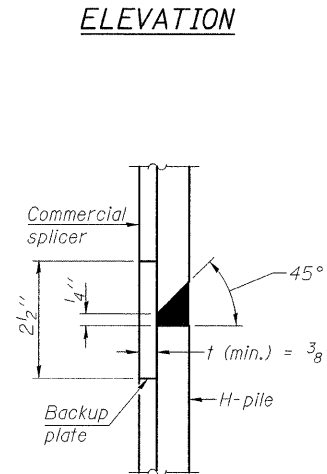
ELEVATION



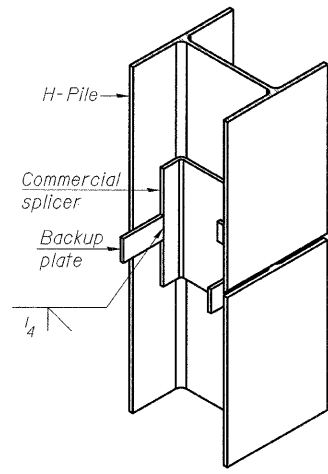
SECTION A-A

Note:  
Forms for encasement may be omitted when soil conditions permit.

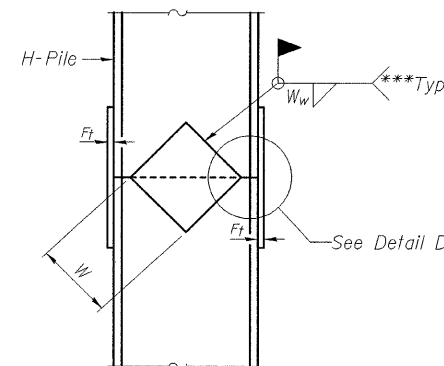
PILE ENCASEMENT



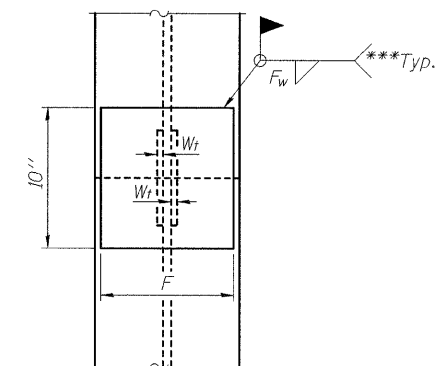
DETAIL "B"



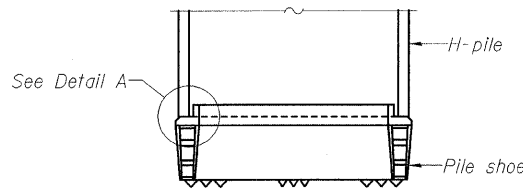
ISOMETRIC VIEW



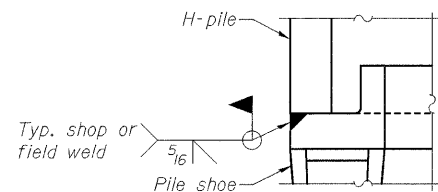
ELEVATION



END VIEW

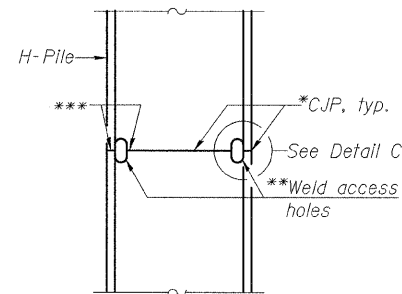


ELEVATION

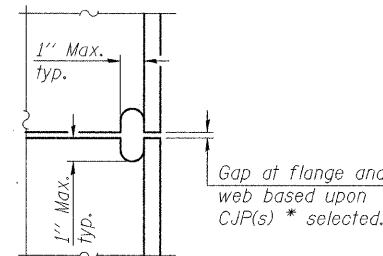


DETAIL A

H-PILE SHOE ATTACHMENT

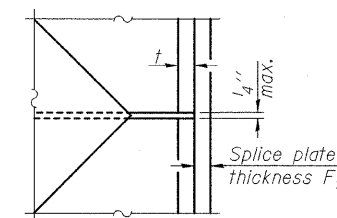


ELEVATION



DETAIL C

COMPLETE PENETRATION WELD SPLICE



DETAIL D

WELDED PLATE FIELD SPLICE

| Designation | F       | Ft   | Fw    | W      | Wt     | Ww   |
|-------------|---------|------|-------|--------|--------|------|
| HP 14x117   | 12 1/2" | 1"   | 7/8"  | 7 3/4" | 5 1/2" | 1/2" |
| x102        | 12 1/2" | 7/8" | 3/4"  | 7 3/4" | 5 1/2" | 1/2" |
| x89         | 12 1/2" | 3/4" | 1/16" | 7 3/4" | 5 1/2" | 1/2" |
| x73         | 12 1/2" | 5/8" | 9/16" | 7 3/4" | 5 1/2" | 1/2" |
| HP 12x84    | 10"     | 7/8" | 1/16" | 6 1/2" | 5 1/2" | 1/2" |
| x74         | 10"     | 7/8" | 1/16" | 6 1/2" | 5 1/2" | 1/2" |
| x63         | 10"     | 5/8" | 1/2"  | 6 1/2" | 1/2"   | 3/8" |
| x53         | 10"     | 5/8" | 1/2"  | 6 1/2" | 1/2"   | 3/8" |
| HP 10x57    | 8"      | 3/4" | 9/16" | 5 1/4" | 1/2"   | 3/8" |
| x42         | 8"      | 5/8" | 9/16" | 5 1/4" | 1/2"   | 3/8" |
| HP 8x36     | 7"      | 5/8" | 7/16" | 4 1/4" | 1/2"   | 3/8" |

\* Use joint conforming to Figure 3.4 in AWS D1.1, Structure Welding Code - Steel.

\*\* Preparation per Fig. 5.2 in AWS D1.1, Structure Welding Code - Steel.

\*\*\* Interrupt welds 1/4" from end of each pile.

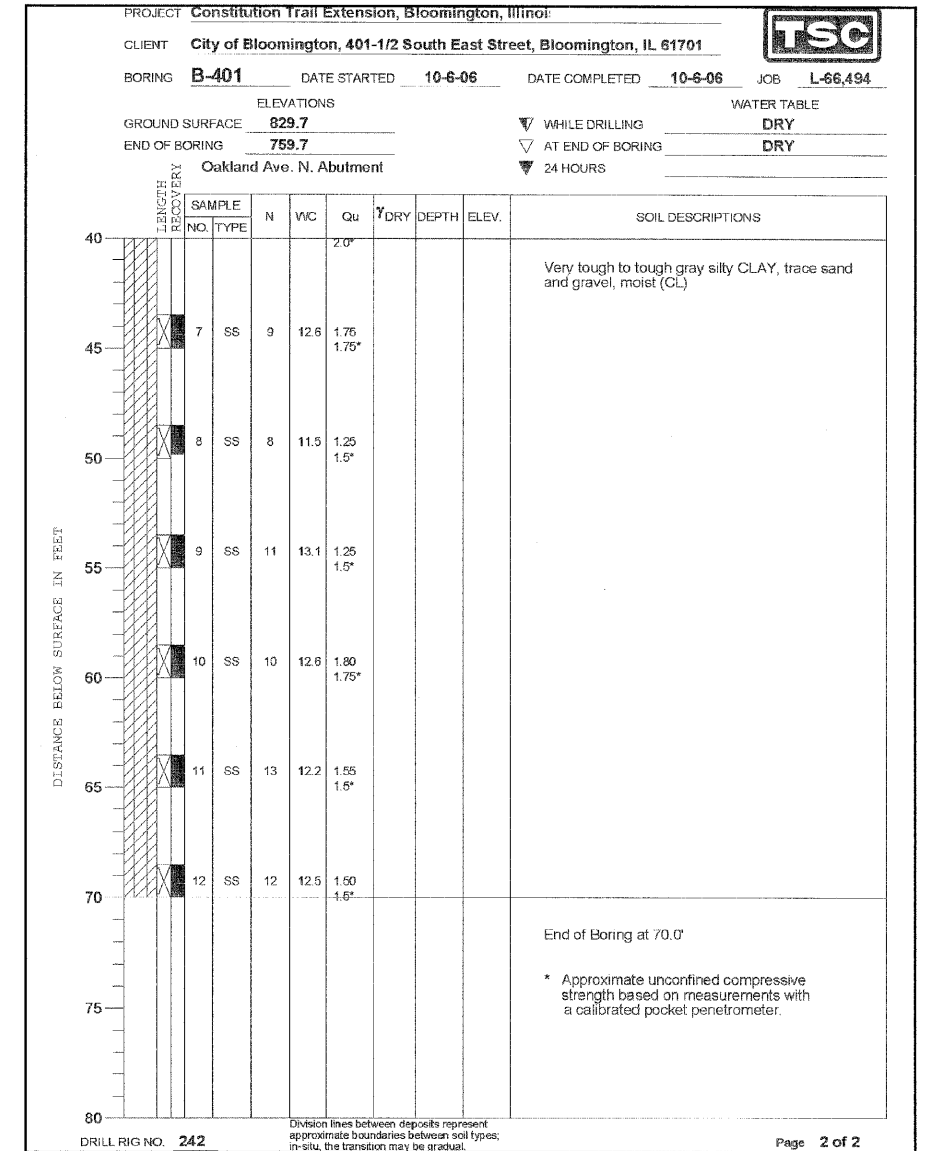
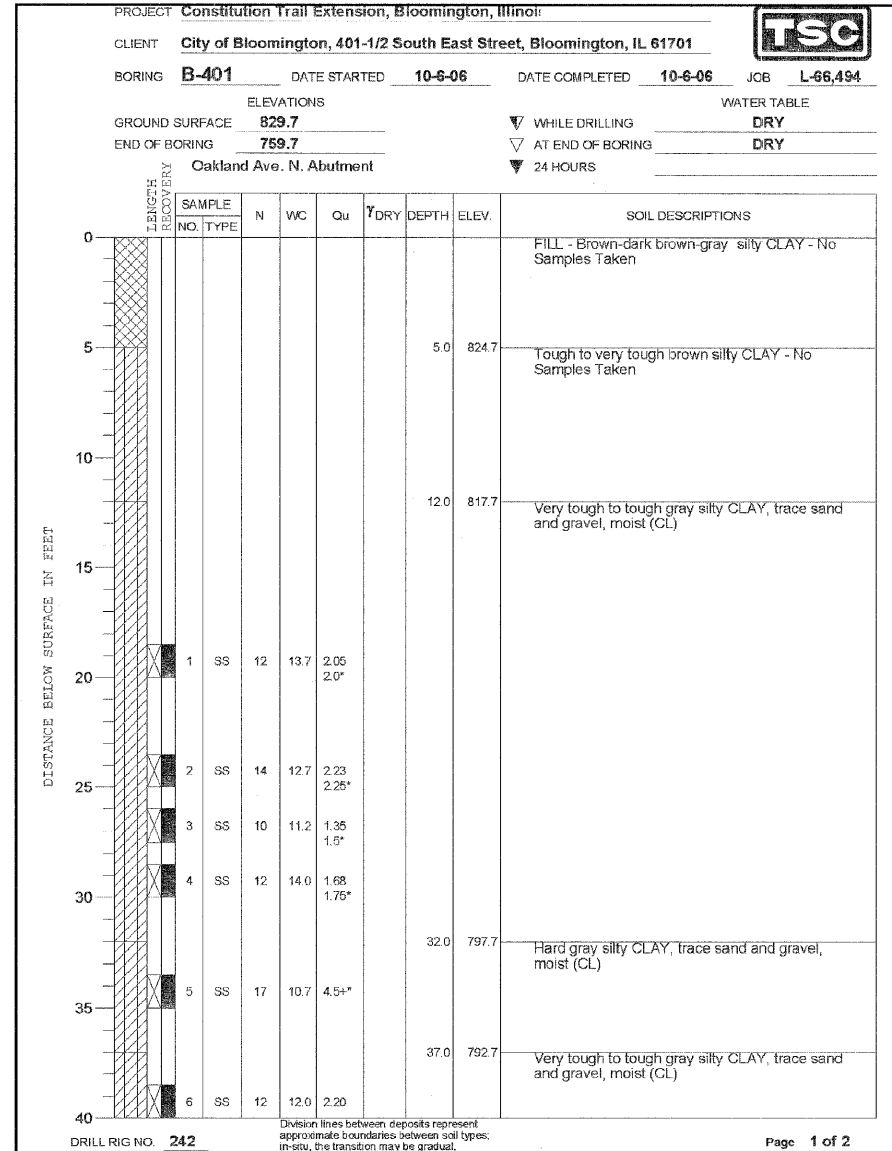
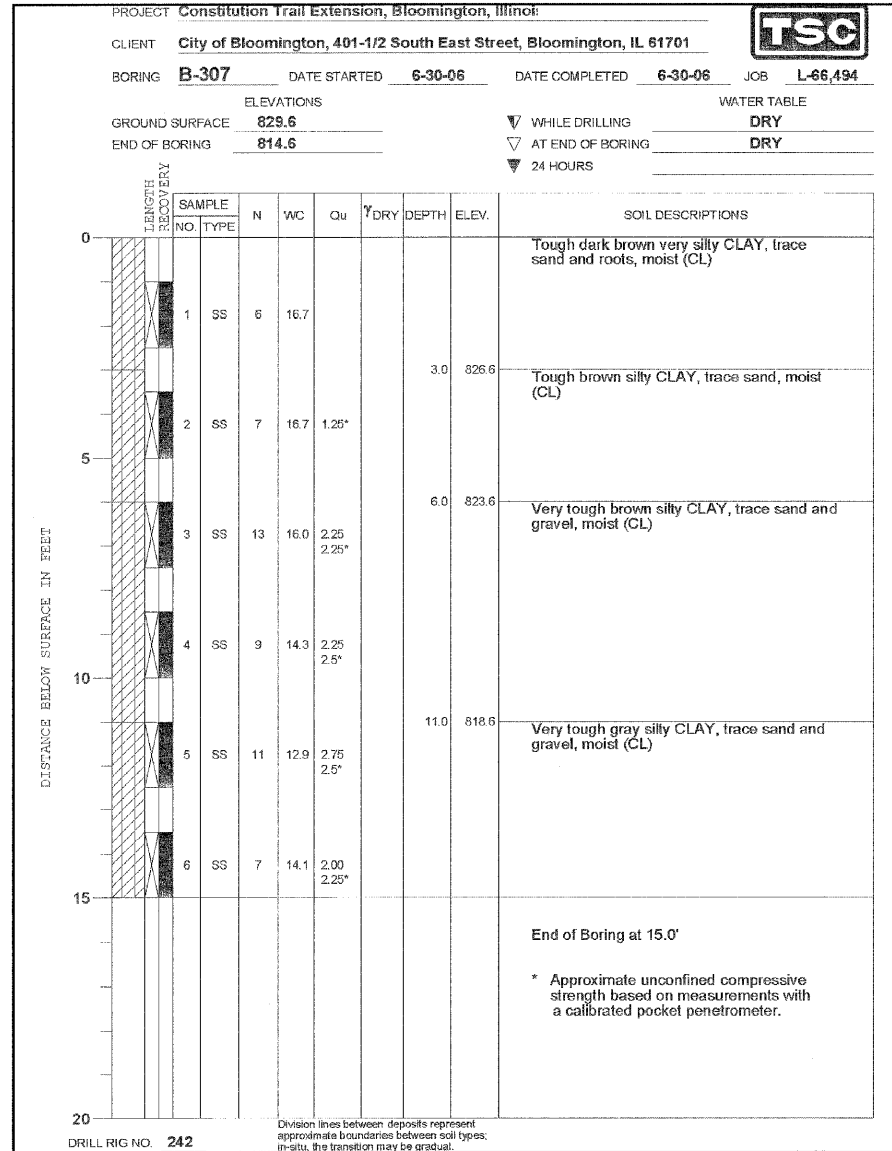
Note:

The steel H-piles shall be according to AASHTO M270 Grade 50.

City of Bloomington 2008-03-05 05:32:00 - Bloomington mfr 05-00333-00-BT, Consultant: Trillium, 03/09/09/STB



|                     |                |                  |              |           |
|---------------------|----------------|------------------|--------------|-----------|
| F.A. RTE.           | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN           | 56           | 29        |
| STA.                | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS       | FED. AID PROJECT |              |           |

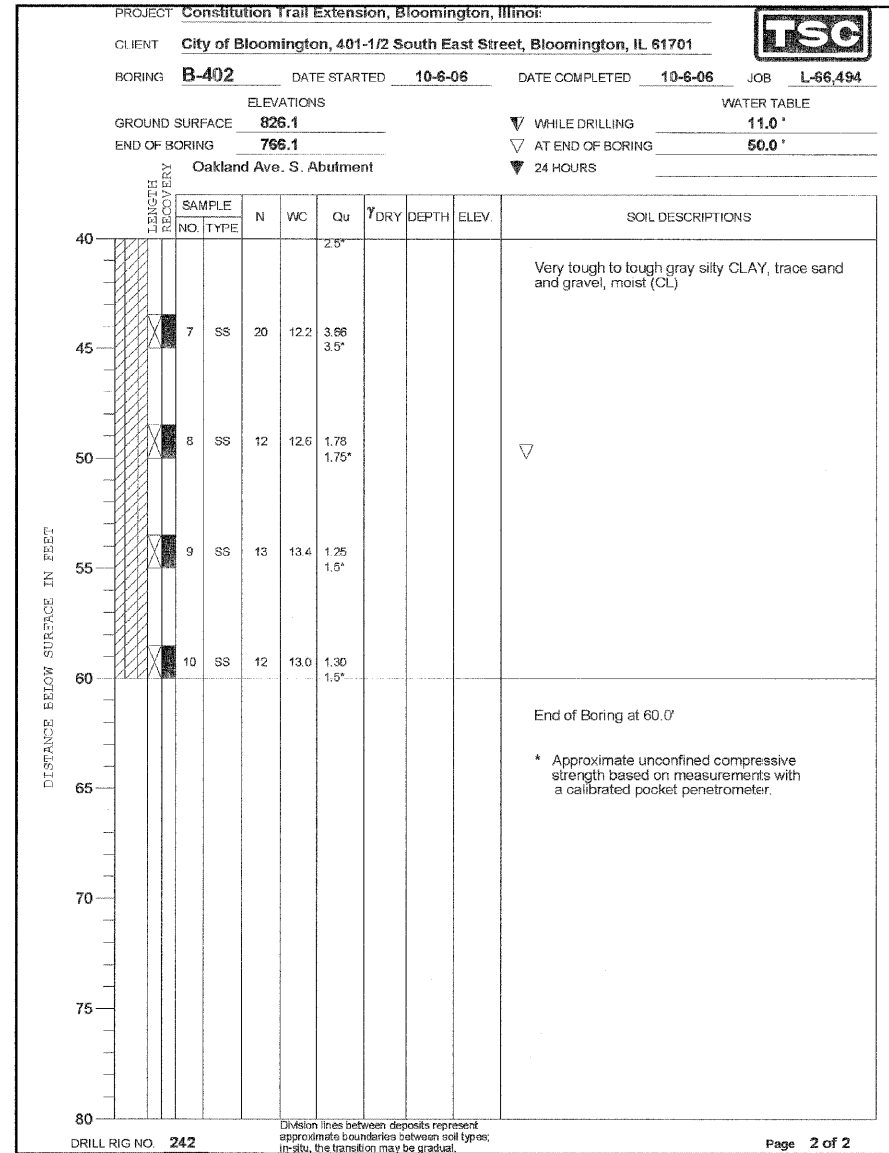
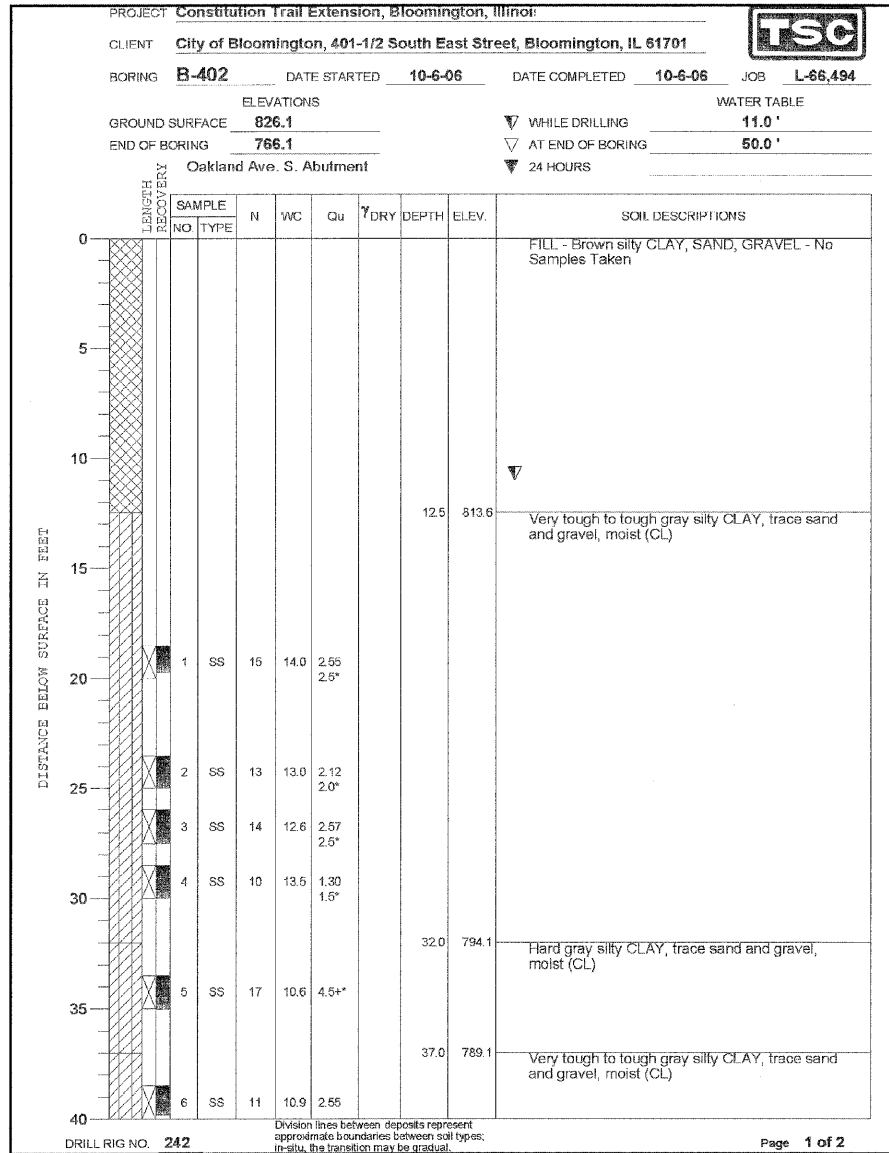


CITY OF BLOOMINGTON, ILLINOIS  
SECTION 05-00333-00-BT

BRIDGE BORING LOGS

|                     |  |                       |
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| DATE<br>01/30/09    |  | BOOK NO.<br>2752      |
| CHECKED BY<br>MSW   | 2709 McGraw Drive<br>Bloomington, Illinois 61704<br>309/868-6436, 309/868-1671 fax | SHEET NO.<br>29 of 56 |

|                     |                |                           |              |           |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE.           | SECTION        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN                    | 56           | 30        |
| STA.                |                | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |                | ILLINOIS FED. AID PROJECT |              |           |



City of Bloomington, 401-1/2 South East Street, Bloomington, IL 61701

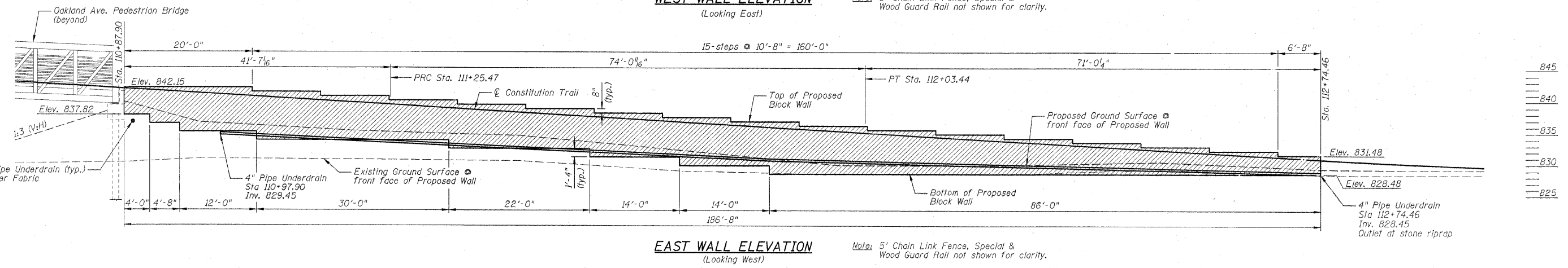
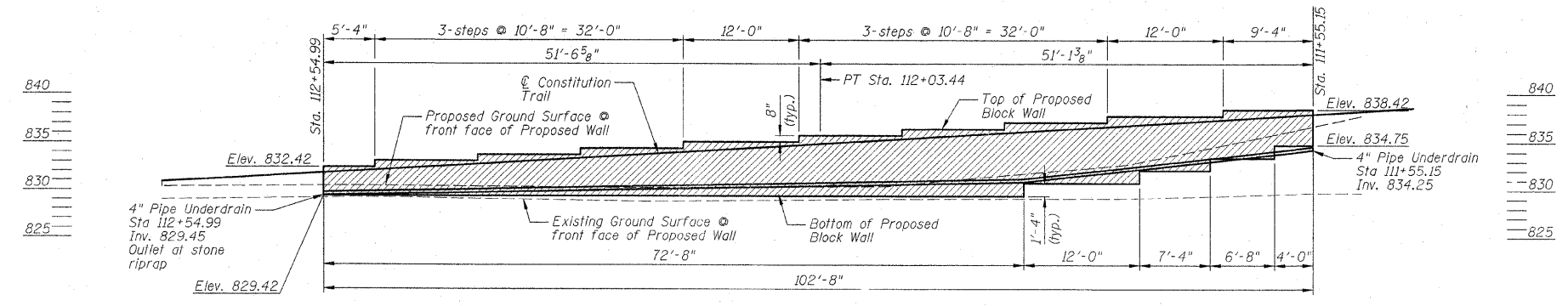
CITY OF BLOOMINGTON, ILLINOIS  
SECTION 05-00333-00-BT

BRIDGE BORING LOGS

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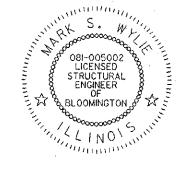
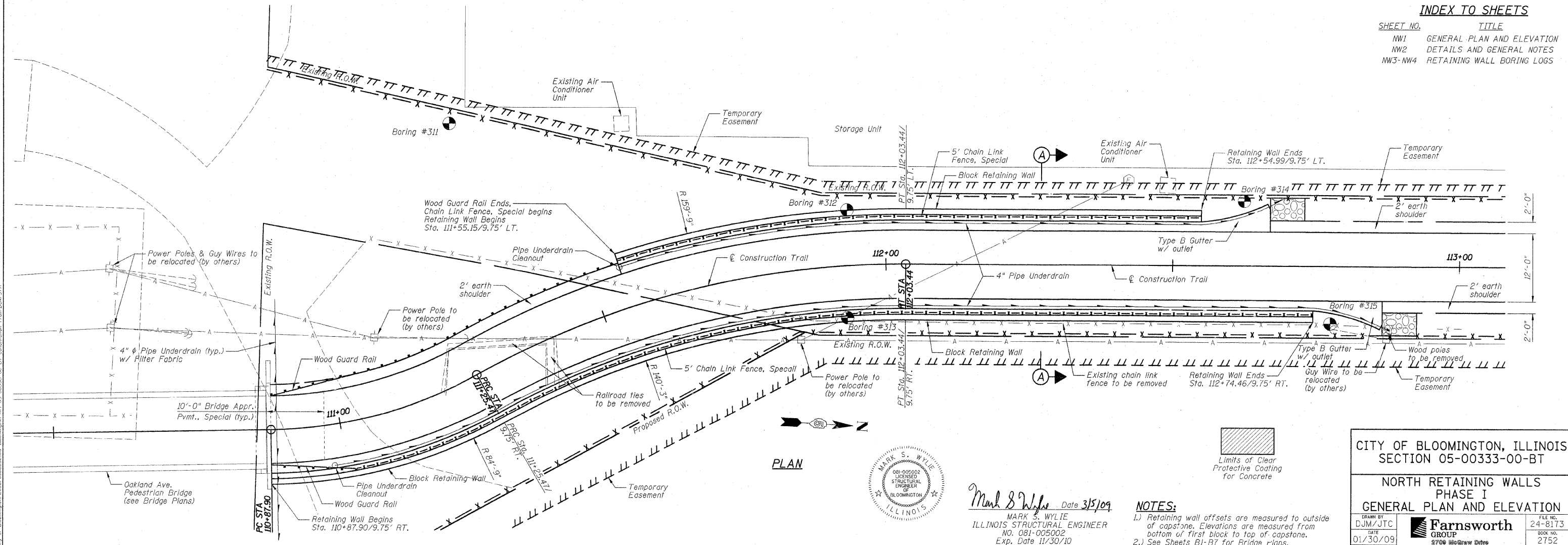
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| F.A. RTE.           | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN           | 56           | 31        |
| STA.                | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS       | FED. AID PROJECT |              |           |

NW1 of NW4



**INDEX TO SHEETS**

| SHEET NO. | TITLE                      |
|-----------|----------------------------|
| NW1       | GENERAL PLAN AND ELEVATION |
| NW2       | DETAILS AND GENERAL NOTES  |
| NW3-NW4   | RETAINING WALL BORING LOGS |



Mark S. Wylie Date 3/5/09  
 MARK S. WYLIE  
 ILLINOIS STRUCTURAL ENGINEER  
 NO. 081-005002  
 Exp. Date 11/30/10

**NOTES:**  
 1.) Retaining wall offsets are measured to outside of capstone. Elevations are measured from bottom of first block to top of capstone.  
 2.) See Sheets B1-B7 for Bridge Plans.

CITY OF BLOOMINGTON, ILLINOIS  
 SECTION 05-00333-00-BT

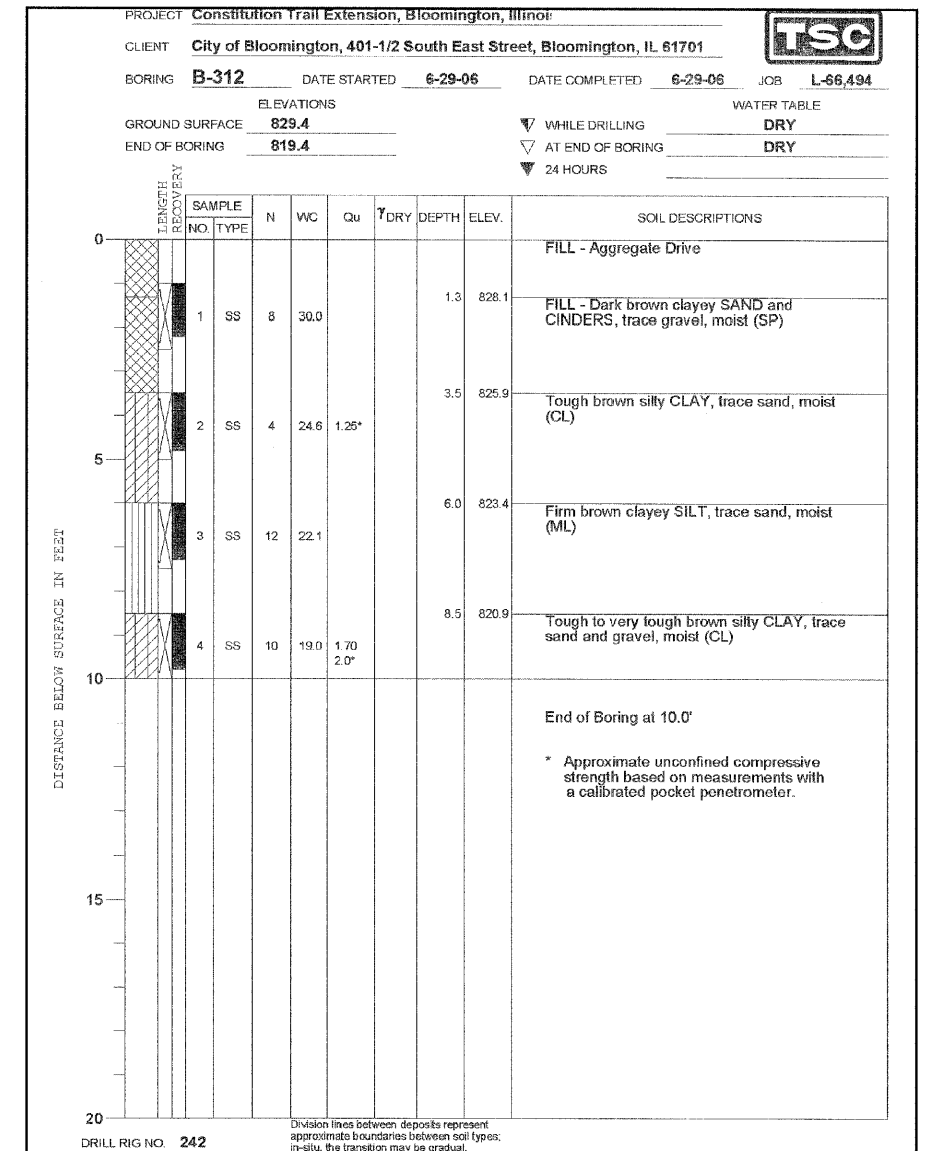
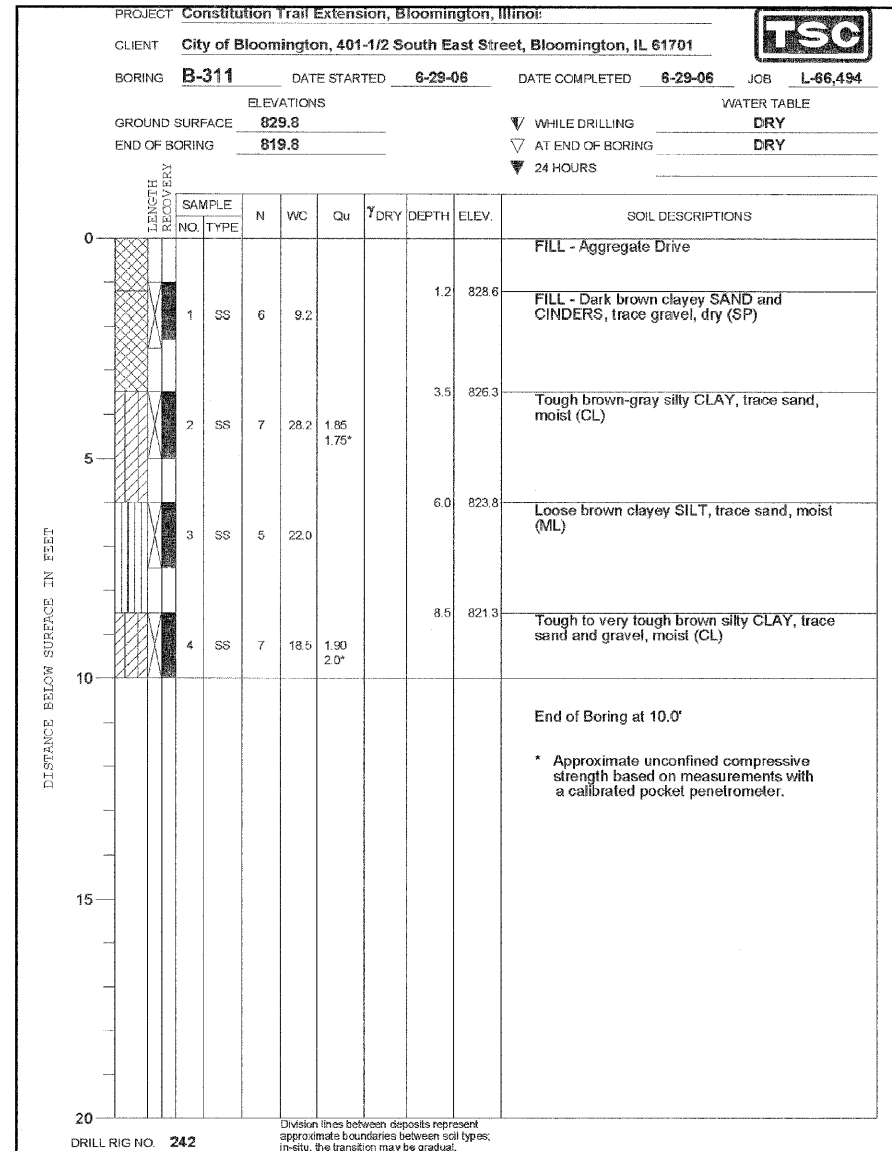
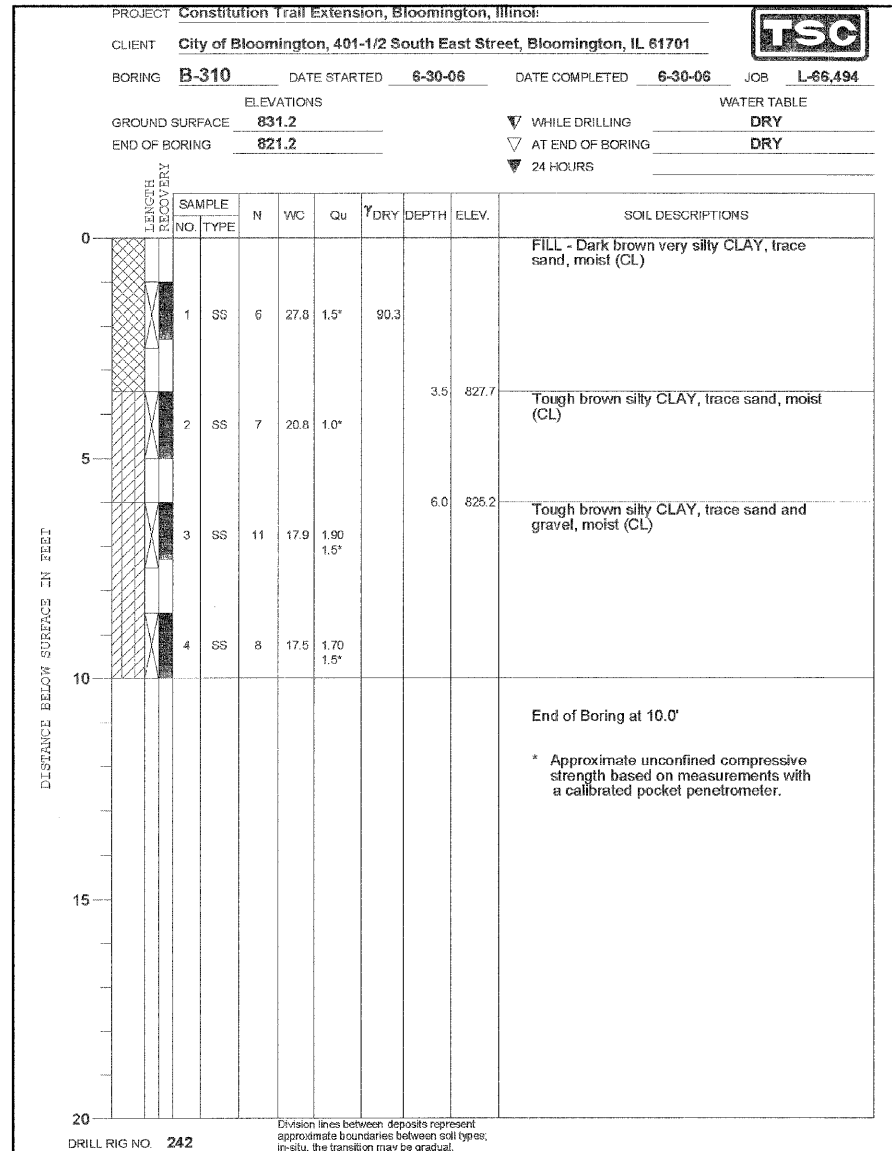
**NORTH RETAINING WALLS  
 PHASE I  
 GENERAL PLAN AND ELEVATION**

|                     |                  |                   |                     |                  |                       |
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| DRAWN BY<br>DJM/JTC | DATE<br>01/30/09 | CHECKED BY<br>MSW | FILE NO.<br>24-8173 | BOOK NO.<br>2752 | SHEET NO.<br>31 OF 56 |
|---------------------|------------------|-------------------|---------------------|------------------|-----------------------|

REVISED 03/03/09 DJM



|                     |                |                  |              |           |
|---------------------|----------------|------------------|--------------|-----------|
| F.A. RTE.           | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN           | 56           | 33        |
| STA.                | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS       | FED. AID PROJECT |              |           |



CITY OF BLOOMINGTON, ILLINOIS  
SECTION 05-00333-00-BT

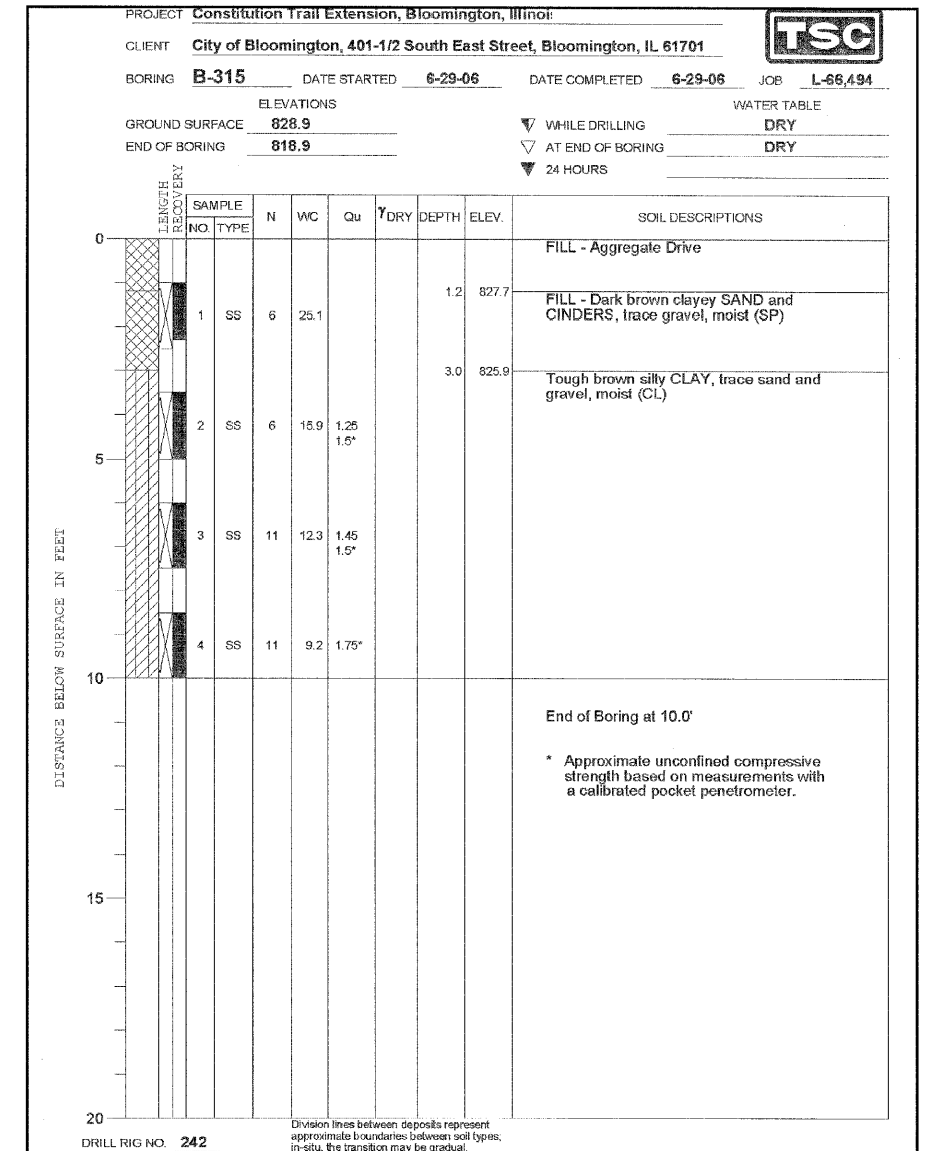
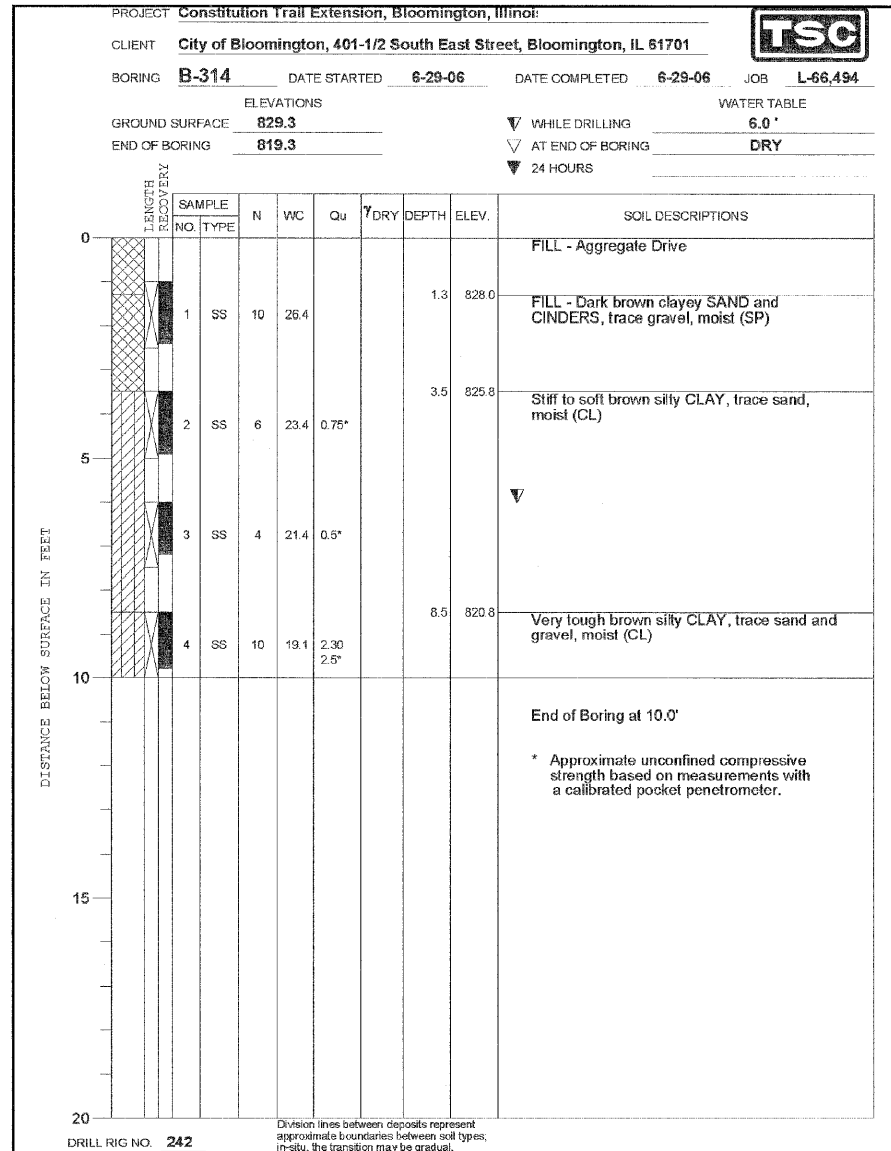
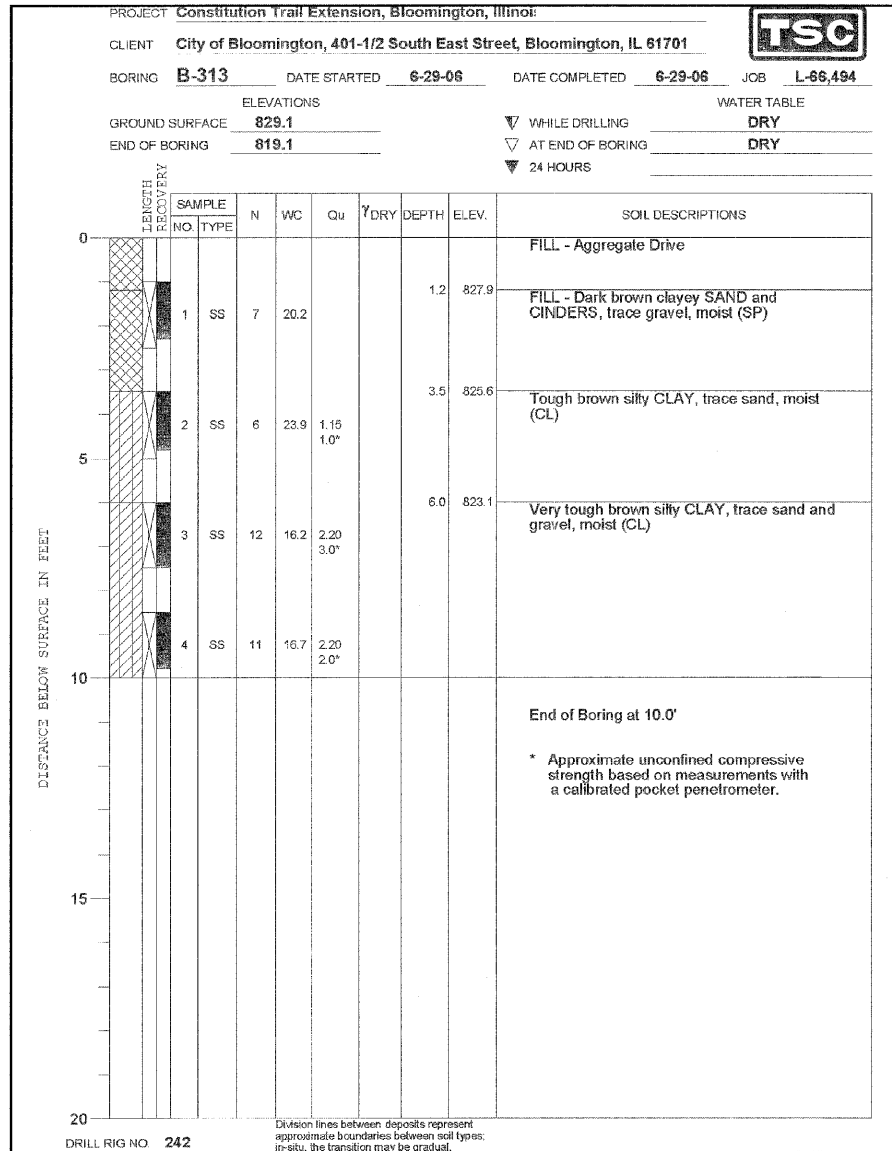
RETAINING WALL BORING LOGS

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| DATE<br>01/30/09    |   | BOOK NO.<br>2752      |
| CHECKED BY<br>MSW   |   | SHEET NO.<br>33 OF 56 |

City of Bloomington/2009/03/30/05-00333-00-BT Constitution Trail/2501 STR



|                     |                |                  |              |           |
|---------------------|----------------|------------------|--------------|-----------|
| F.A. RTE.           | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN           | 56           | 34        |
| STA.                | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS       | FED. AID PROJECT |              |           |



CITY OF BLOOMINGTON, ILLINOIS  
SECTION 05-00333-00-BT

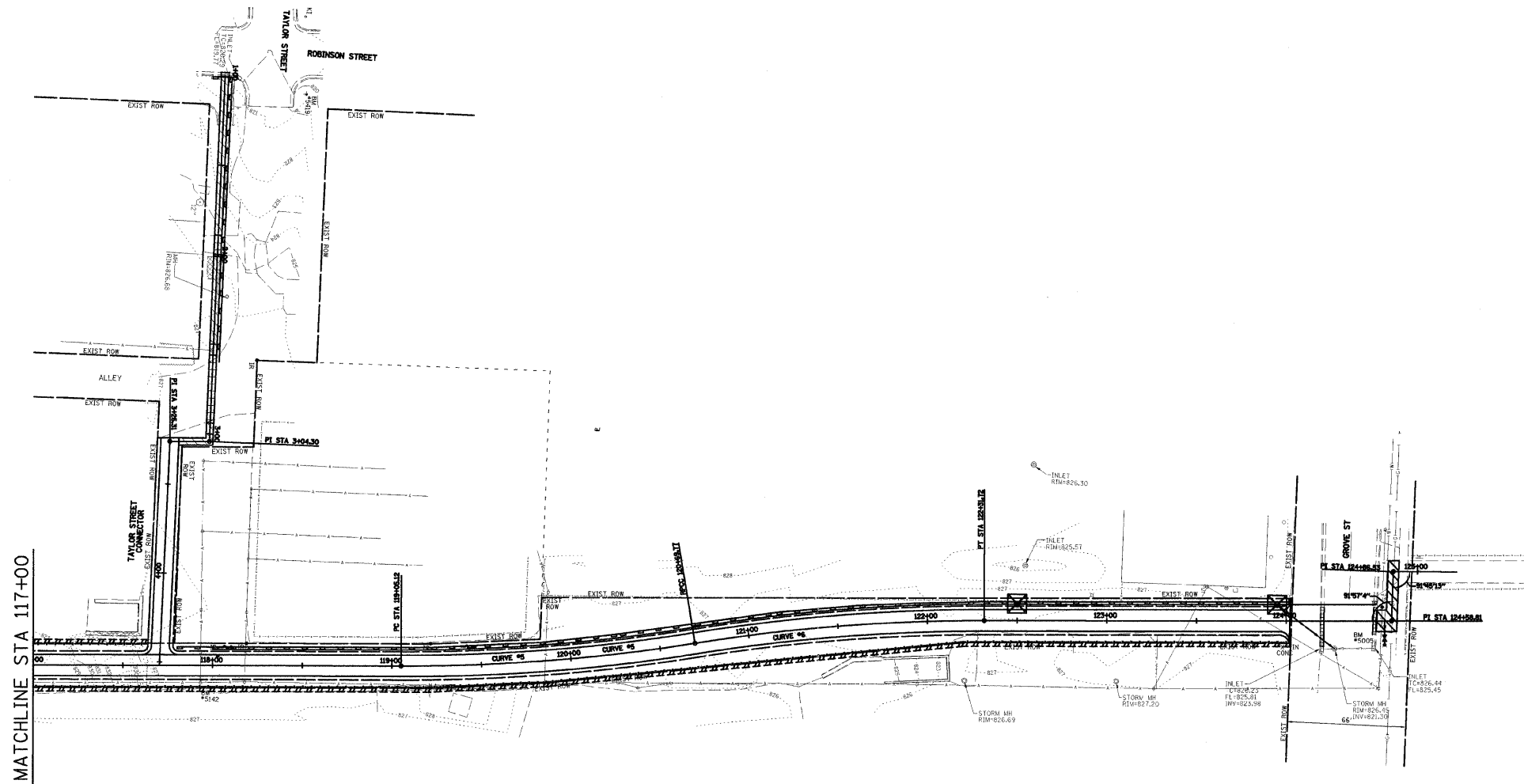
RETAINING WALL BORING LOGS

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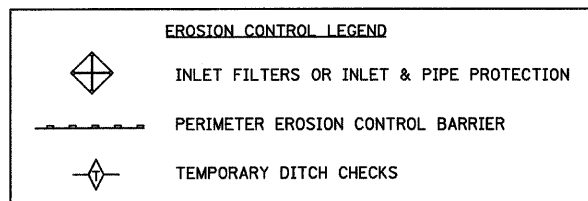
In City of Bloomington 2008 03/23/09 00-Bloomington 05-00333-00-BT Constitution Trail 08/04/09



|                     |                |                           |              |           |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A.U. RTE.         | SECTION        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN                    | 56           | 36        |
| STA.                |                | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |                | ILLINOIS FED. AID PROJECT |              |           |

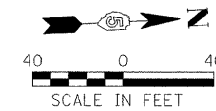


MATCHLINE STA 117+00



INTENDED SEQUENCE

1. PLACE PERIMETER EROSION CONTROL BARRIER PRIOR TO THE COMMENCEMENT OF ANY WORK. SEE STANDARD 280001.
2. PLACE INLET AND PIPE PROTECTION ON ALL INLETS OR PIPE CULVERTS REMAINING ON THE PROJECT.
3. INSTALL TEMPORARY DITCH CHECKS IN EXISTING DITCHES.
4. INSTALL WATERMAIN, SANITARY SEWER AND STORM SEWER.
5. PLACE INLET AND PIPE PROTECTION ON ALL NEW INLETS OR PIPE CULVERTS.
6. PERFORM EARTH EXCAVATION AND EMBANKMENT.
7. PLACE TEMPORARY EROSION CONTROL SEEDING ON ALL BARE EARTH AREAS.
8. PLACE PERMANENT EROSION CONTROL SEEDING AS SOON AS CONSTRUCTION PERMITS.

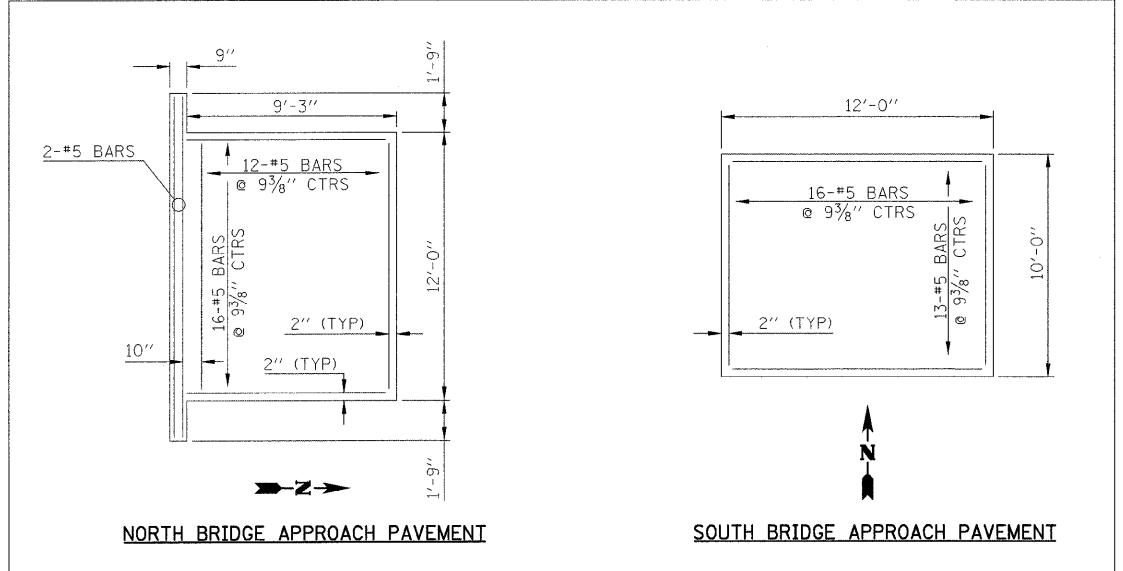
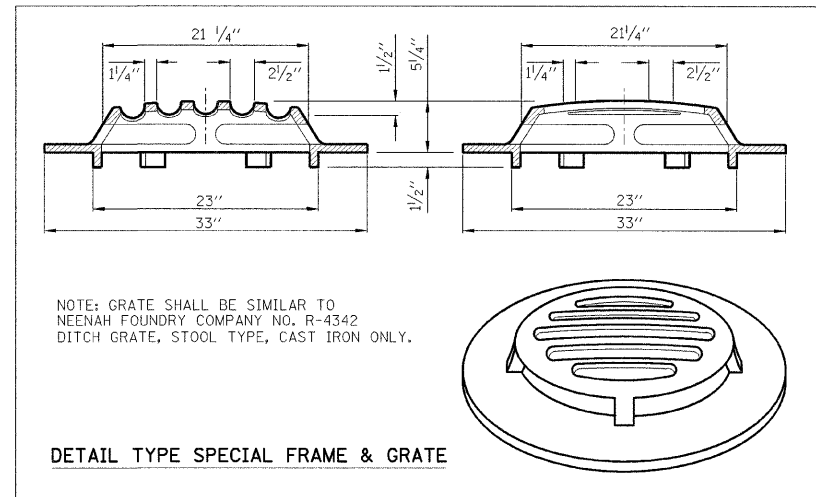
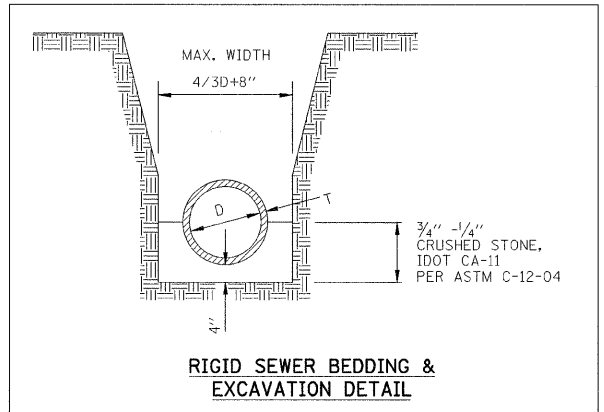
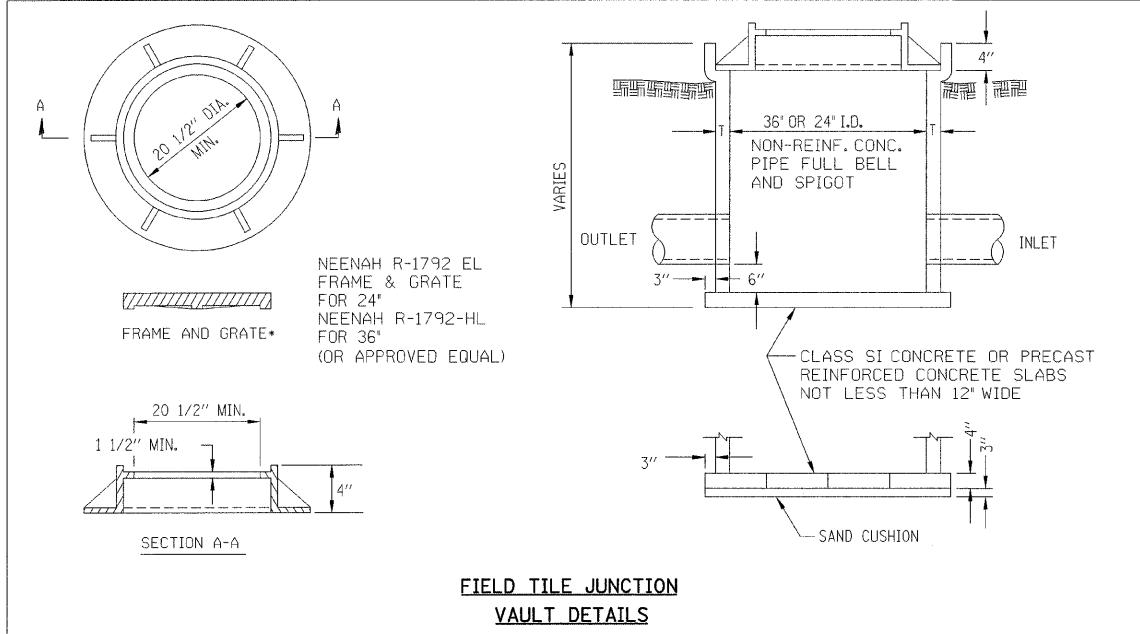
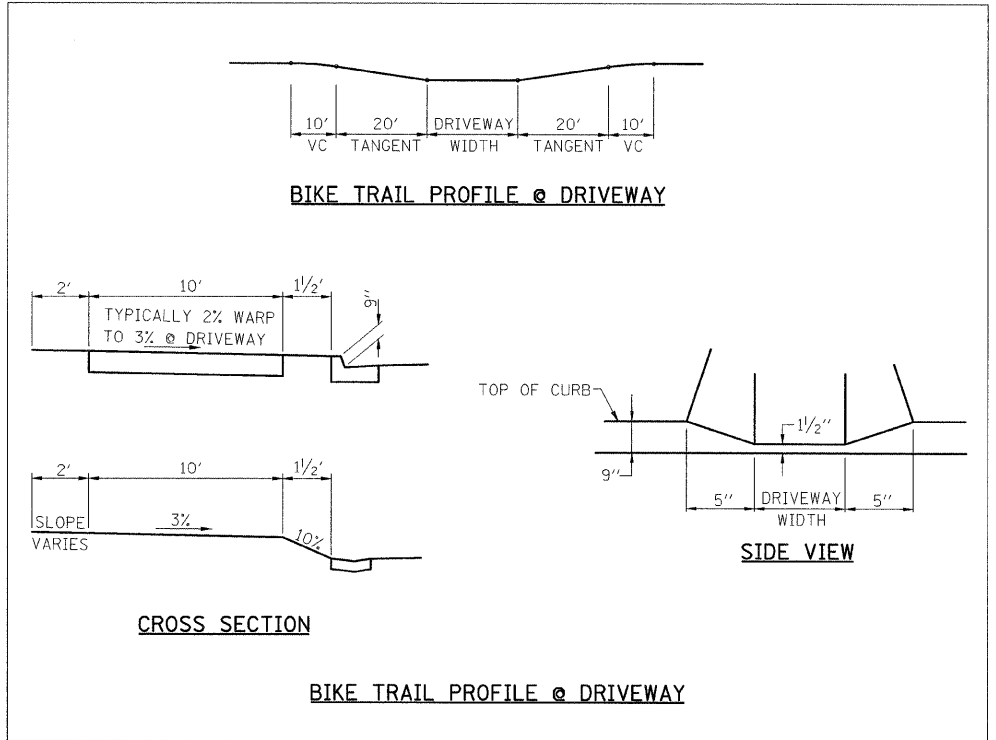
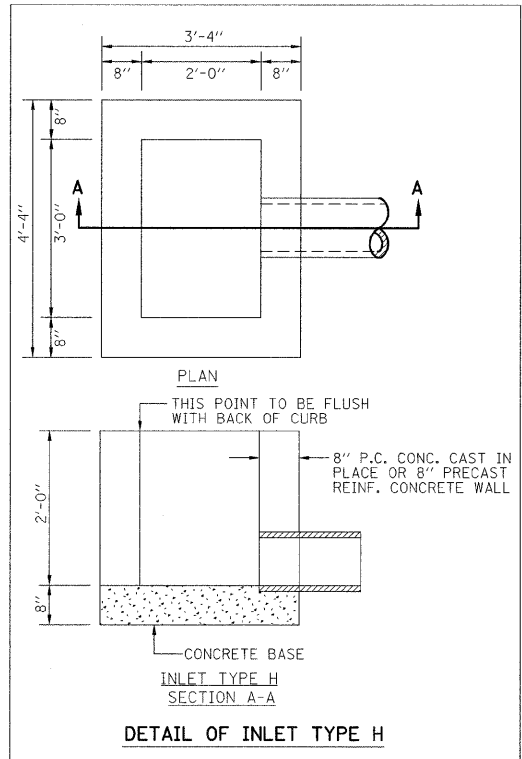
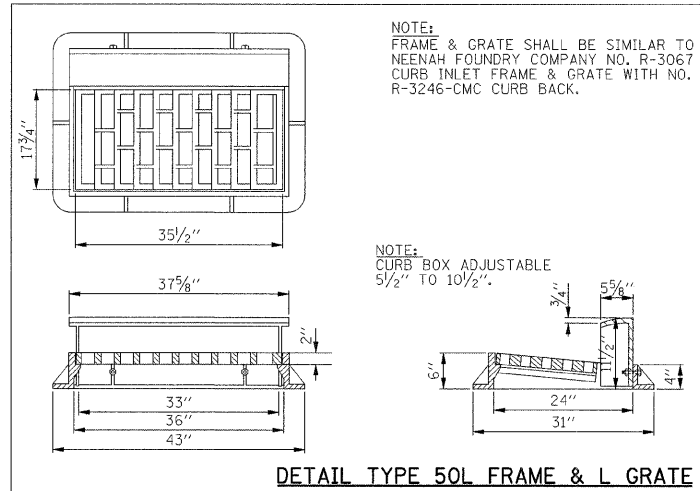
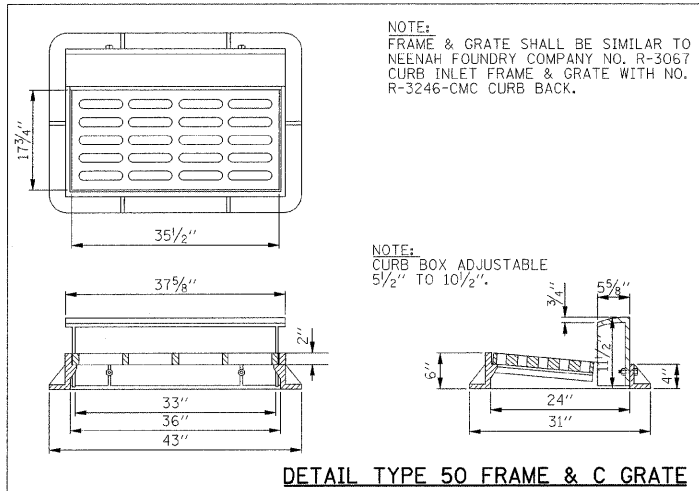


CITY OF BLOOMINGTON, ILLINOIS  
MFT SECTION 05-00333-00-BT

EROSION CONTROL PLAN  
"SWPPP"

|                   |  |                       |
|-------------------|--|-----------------------|
| DRAWN BY<br>DRR   | <br>2709 McGraw Drive<br>Bloomington, Illinois 61704<br>309/863-8488, 309/863-1971 fax | FILE NO.<br>24-8173   |
| DATE<br>01/30/09  |  | BOOK NO.<br>2752      |
| CHECKED BY<br>PJM |  | SHEET NO.<br>36 OF 56 |

|                     |                |                           |              |           |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A.U. RTE.         | SECTION        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN                    | 56           | 37        |
| STA.                |                | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |                | ILLINOIS FED. AID PROJECT |              |           |



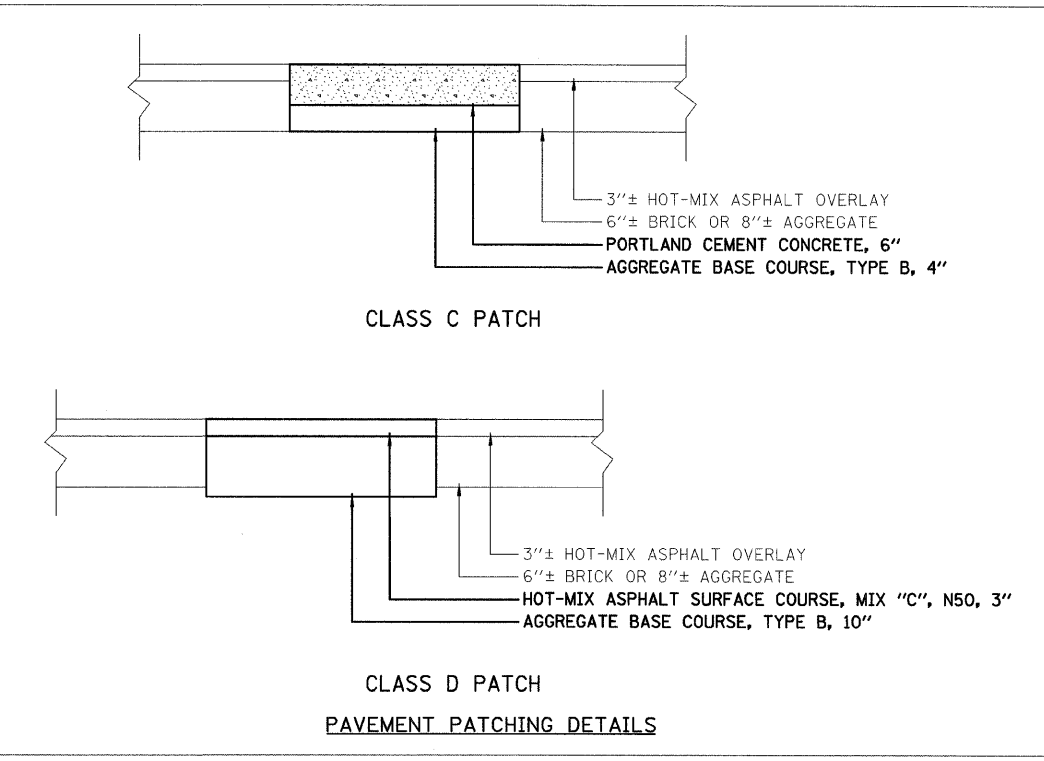
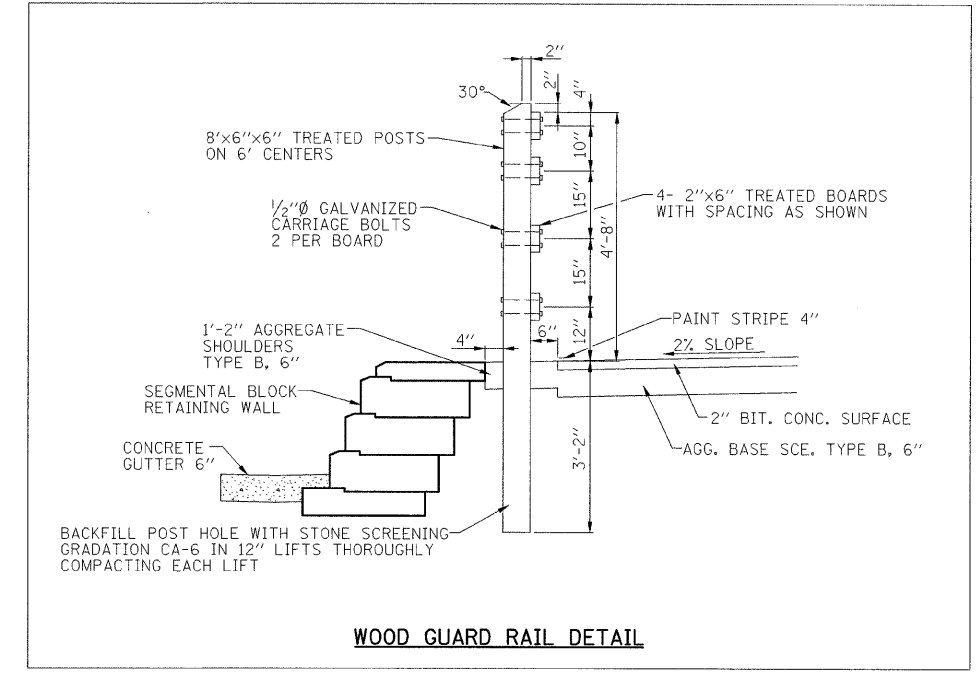
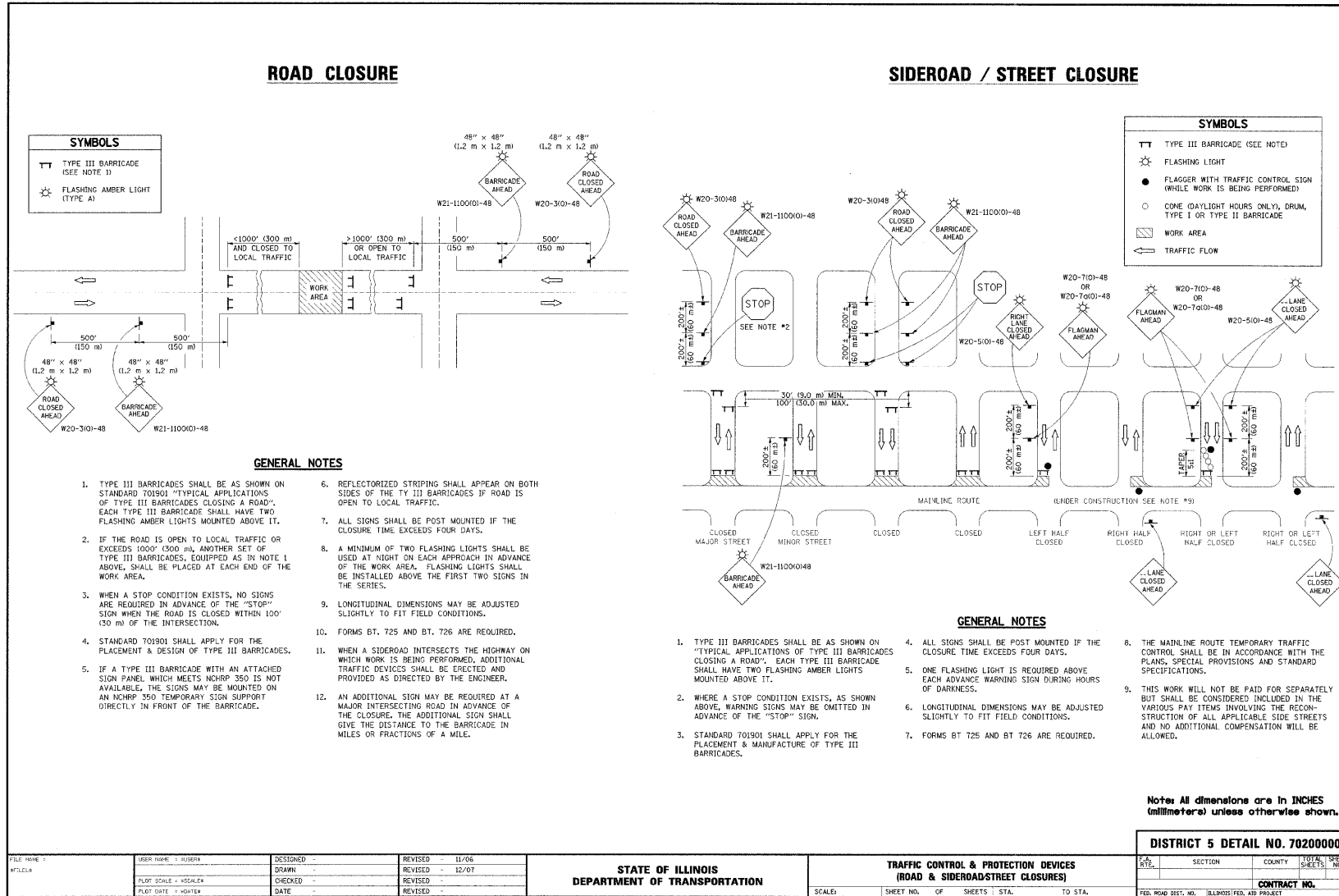
CITY OF BLOOMINGTON, ILLINOIS  
MFT SECTION 05-00333-00-BT

MISCELLANEOUS DETAILS

|                   |   |                       |
|-------------------|---|-----------------------|
| DRAWN BY<br>DRR   | <p>3708 McGraw Drive<br/>Bloomington, Illinois 61704<br/>309/552-5655, 309/552-1871 fax</p> | FILE NO.<br>24-8173   |
| DATE<br>01/30/09  |   | ROOM NO.<br>2752      |
| CHECKED BY<br>PJM |   | SHEET NO.<br>37 OF 56 |

City of Bloomington, Illinois, 2008/01/30/09, 05-00333-00-BT, Miscellaneous, 37 of 56

|                     |          |                  |              |           |
|---------------------|----------|------------------|--------------|-----------|
| F.A.U. RTE.         | SECTION  | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 05-00333-00-BT      | McLEAN   | 56               | 38           |           |
| STA.                |          | TO STA.          |              |           |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT |              |           |



|   |  |  |       |         |       |         |   |
|---|--|--|-------|---------|-------|---------|---|
| FILE NAME: W2111001-48<br>USER NAME: RUSSEN<br>PLOT SCALE: 1/8"=1'-0"<br>PLOT DATE: 10/14/09    | DESIGNED: -<br>DRAWN: -<br>CHECKED: -<br>DATE: - | REVISIONS: <table border="1"> <tr> <td>11/06</td> <td>REVISED</td> </tr> <tr> <td>12/01</td> <td>REVISED</td> </tr> </table> | 11/06 | REVISED | 12/01 | REVISED | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> |
| 11/06   | REVISED  |  |       |         |       |         |   |
| 12/01   | REVISED  |  |       |         |       |         |   |
| <b>TRAFFIC CONTROL &amp; PROTECTION DEVICES</b><br><b>(ROAD &amp; SIDEROAD/STREET CLOSURES)</b> |  | <b>DISTRICT 5 DETAIL NO. 70200000</b>  |       |         |       |         |   |
| SCALE: SHEET NO. OF SHEETS STA. TO STA.   |  | CONTRACT NO.   |       |         |       |         |   |

CITY OF BLOOMINGTON, ILLINOIS  
MFT SECTION 05-00333-00-BT

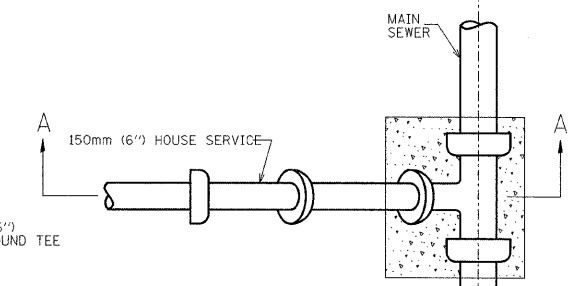
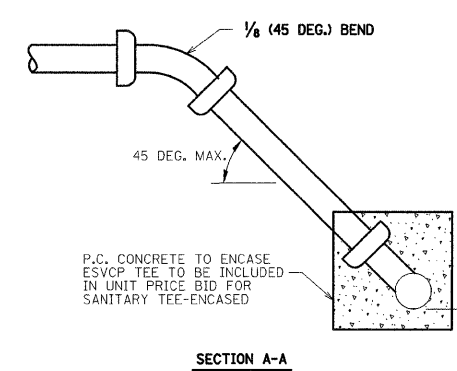
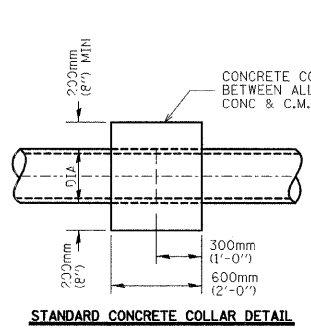
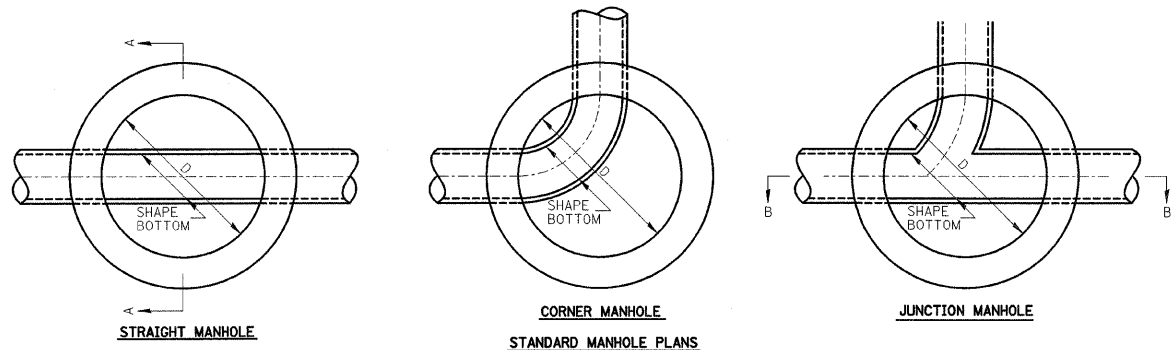
MISCELLANEOUS DETAILS

|  |  |  |
|--|--|--|
| DRAWN BY: DRR<br>DATE: 01/30/09<br>CHECKED BY: PJM |  | FILE NO.: 24-8173<br>BOOK NO.: 2752<br>SHEET NO.: 38 OF 56 |
|--|--|--|

REVISED 03/05/09 DRR



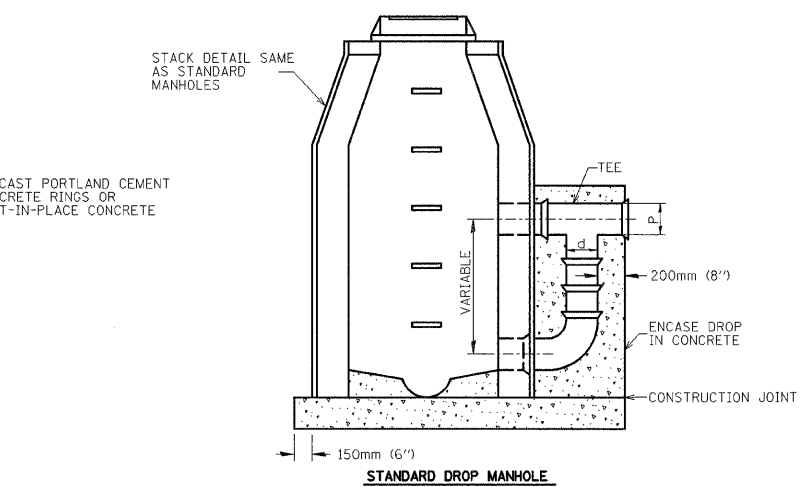
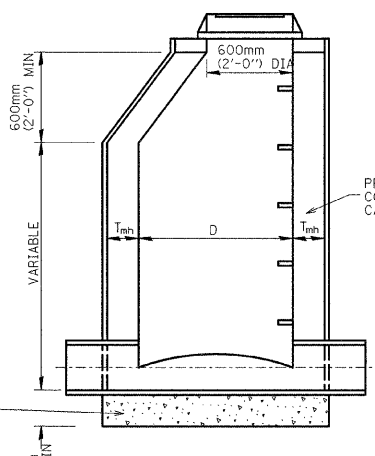
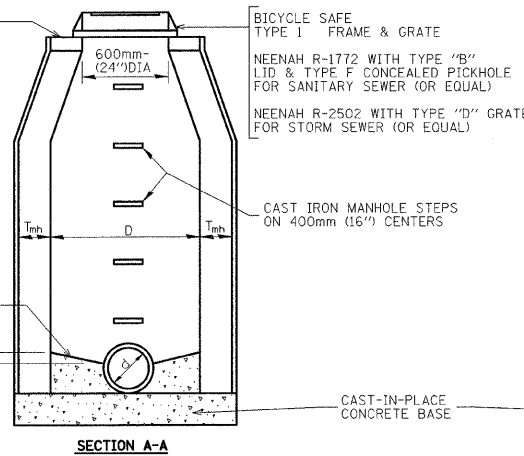
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|---------------------|---------------------------|--------|--------------|-----------|
| F.A.U. R.T.E.       | SECTION                   | COUNTY | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT            | McLEAN | 56           | 39        |
| STA.                | TO STA.                   |        |              |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |        |              |           |



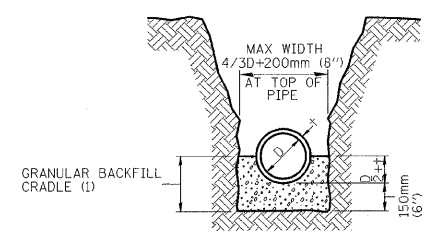
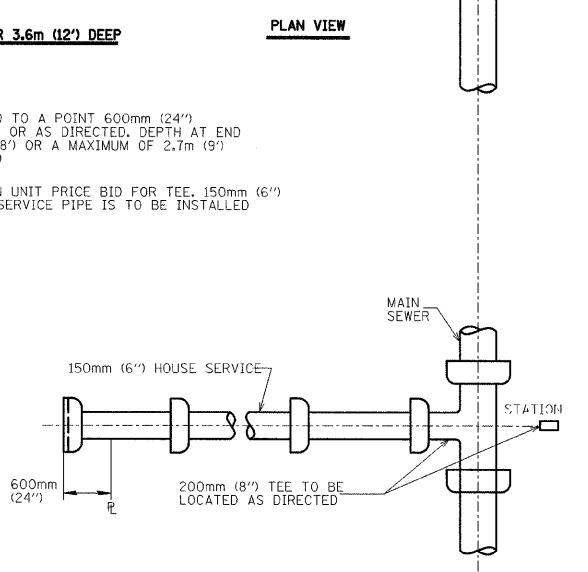
FINAL ADJUSTMENT TO BE MADE WITH PRECAST ADJUSTING RINGS OR WITH BRICKS LAID RADIALLY & MORTARED  
ADJUSTMENT RANGE: 100mm (4") MIN 400mm (16") MAX  
MASTIC IS NOT PERMITTED ON ADJUSTING RINGS

| DIA OF SEWER     | DIA OF MANHOLE | PRECAST T <sub>mh</sub> |
|------------------|----------------|-------------------------|
| THRU 760mm (30") | 1.2m (4')      | 100mm (4")              |
| THRU 1.2m (48")  | 1.5m (5')      | 125mm (5")              |
| 1.3m (54')       | 1.8m (6')      | 150mm (6")              |

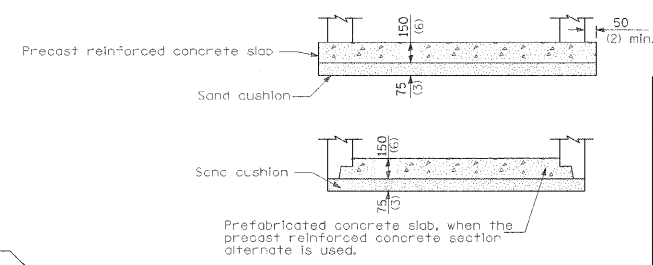
CAST-IN-PLACE MANHOLES SHALL BE A MINIMUM OF T<sub>mh</sub> = 150MM (6") THICK  
TROWELED SURFACE



NOTE: 150mm (6") PIPE TO BE LAID TO A POINT 600mm (24") BEYOND THE PROPERTY LINE, OR AS DIRECTED. DEPTH AT END TO BE A MINIMUM OF 2.4m (8') OR A MAXIMUM OF 2.7m (9') UNLESS OTHERWISE DIRECTED  
STOPPER TO BE INCLUDED IN UNIT PRICE BID FOR TEE. 150mm (6") STOPPER IN TEE WHERE NO SERVICE PIPE IS TO BE INSTALLED

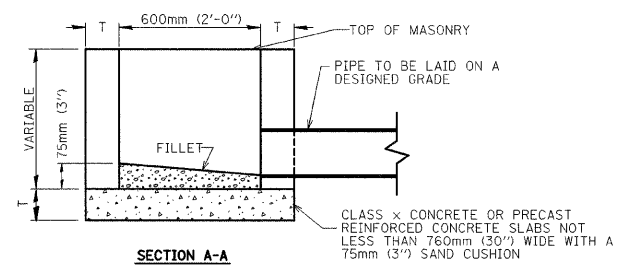
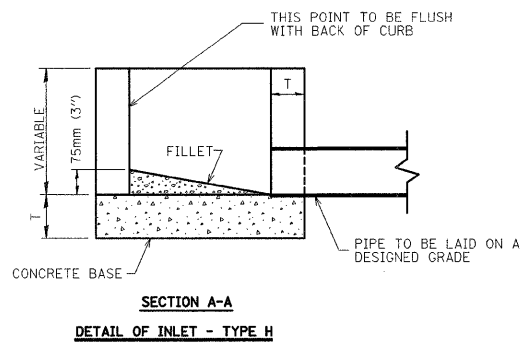
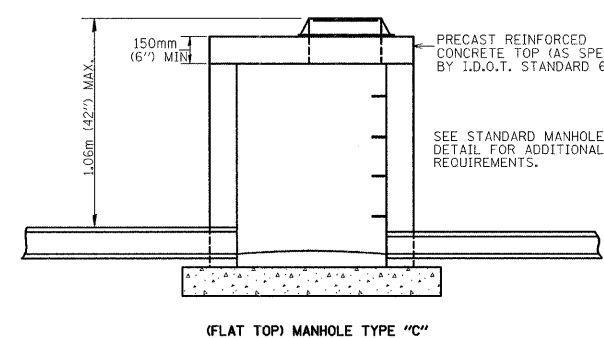
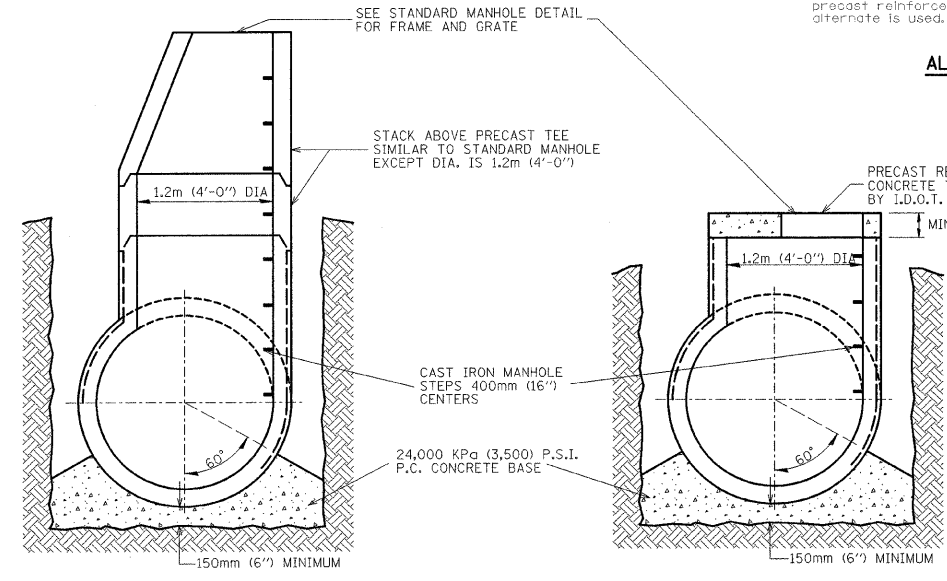
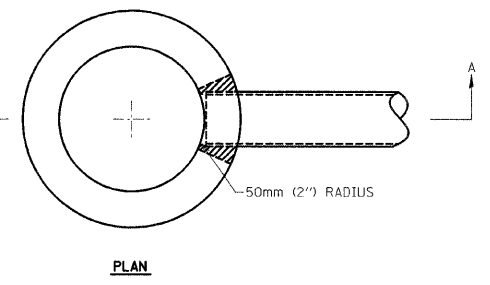
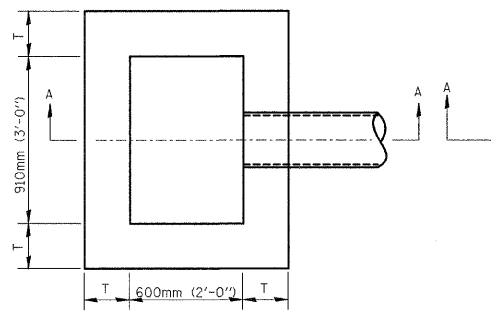


NOTE (D): Pipe Bedding (granular cradle) shall extend to virgin ground when sewer is constructed in fill areas.



BICYCLE SAFE FRAME AND GRATE

|             |   |
|-------------|---|
| TYPE 3      | NEENAH R-3010 WITHOUT BARS IN FRONT OF CURB BOX WITH TYPE A GRATE & 38mm (1-1/2") VERTICAL RADIUS |
| TYPE 3L     | NEENAH R-3010 WITHOUT BARS IN FRONT OF CURB BOX WITH TYPE L GRATE & 38mm (1-1/2") VERTICAL RADIUS |
| TYPE 50     | NEENAH R-3067 WITHOUT BARS IN FRONT OF CURB BOX WITH TYPE C GRATE & 50mm (2") VERTICAL RADIUS     |
| TYPE 50L    | NEENAH R-3067 WITHOUT BARS IN FRONT OF CURB BOX WITH TYPE L GRATE & 50mm (2") VERTICAL RADIUS     |
| DITCH GRATE | NEENAH R-4342   |



|                                      |            |
|--------------------------------------|------------|
| MATERIALS PERMITTED FOR INLETS       | T MINIMUM  |
| PRECAST REINFORCED CONCRETE SECTIONS | 75mm (3")  |
| CAST-IN-PLACE CONCRETE               | 150mm (6") |

BRICKS AND MORTAR SHALL BE USED ONLY FOR ADJUSTMENTS

CITY OF BLOOMINGTON, ILLINOIS  
MFT SECTION 05-00333-00-BT

STORM/ SANITARY SEWER  
DETAILS

|  |                  |                   |                       |
|--|------------------|-------------------|-----------------------|
| DRAWN BY<br>DRR  | DATE<br>01/30/09 | CHECKED BY<br>PJM | FILE NO.<br>24-8173   |
|  |                  |                   | BOOK NO.<br>2752      |
| 2700 McGraw Drive<br>Bloomington, Illinois 61704<br>309/888-8438, 309/888-1871 fax |                  |                   | SHEET NO.<br>39 OF 56 |

City of Bloomington, 2008/08/03/05-00333-00-BT Construction - Final/2008

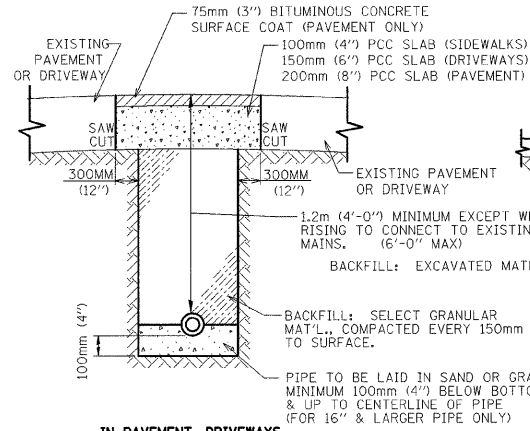
|                     |                |                  |              |           |
|---------------------|----------------|------------------|--------------|-----------|
| F.A.U. RTE.         | SECTION        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|                     | 05-00333-00-BT | McLEAN           | 56           | 40        |
| STA.                | TO STA.        |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS       | FED. AID PROJECT |              |           |

**PERMITTED TAP SIZES**

| TAP SIZE       | MINIMUM SIZE OF WATERMAIN TO BE TAPPED |
|----------------|--|
| 19mm (3/4")    | 100mm (4" DIA.) + (6" DIA)             |
| 38 mm (1 1/2") | 200mm (8" )                            |

• 50mm (2") AND OVER MUST BE MADE BY SIDE TAP SLEEVES AND VALVES OR BY A REGULAR TEE. ALL SIDE TAPS 50mm (2") DIA. AND OVER SHALL BE MADE BY CITY FORCES @ THE SCHEDULED PRICES ESTABLISHED BY THE WATER DEPARTMENT.

• TAPS ON WATER MAINS CONSTRUCTED BEFORE 1980 SUBJECT TO REVIEW AND APPROVAL OF THE CITY OF BLOOMINGTON WATER DEPARTMENT.



**IN PARKWAY**

**PIPE COVER DETAILS**

**PIPE MATERIALS**

WATER MAINS SHALL BE POLY WRAPPED DUCTILE IRON PIPE SPECIAL CLASS 52 WITH SINGLE GASKET JOINTS.

CEMENT LINING AND TAR (SEAL) COATING SHALL BE PROVIDED FOR ALL PIPE. ALL PIPE SHALL HAVE PUSH-ON TYPE JOINT UNLESS OTHERWISE CALLED FOR.

WHERE RESTRAINED JOINTS ARE SPECIFIED, THEY SHALL MEET ONE OF THE FOLLOWING:

- U.S. PIPE: TR FLEX JOINT
- AMERICAN DUCTILE IRON PIPE: LOK-RING JOINT
- McWANE INC. (CLOW): TITON OR FASTITE JOINT
- GRIFFIN PIPE: SNAP-LOK OR BOLT-LOK JOINT
- 350mm (14") OR LARGER PIPE: EBBA IRON SALES MEG-A-LUG RETAINER GLANDS
- 300mm (12") OR SMALLER PIPE STANDARD RETAINER GLANDS FROM APPROVED MANUFACTURERS.
- OR APPROVED EQUAL.

WATER MAIN FITTINGS INCORPORATED INTO THIS WORK SHALL CONFORM TO A.N.S.I./A.W.W.A. C110/A21.10 AND A.N.S.I./A.W.W.A. C111/A21.11, 1725 Kpa (250 psi) RATED PRESSURE. ALL FITTINGS SHALL HAVE THE SAME LININGS AND COATINGS AS THE PIPE SUPPLIED. ALL FITTINGS (INCLUDING BUT NOT LIMITED TO BENDS, TEES, REDUCERS, AND FLANGES) SHALL BE RESTRAINED WITH RETAINER GLANDS OR A MANUFACTURED JOINT RESTRAINING SYSTEM APPROVED BY THE DIRECTOR OF WATER.

TAPPING VALVES SHALL BE CLOW F6114 OR APPROVED EQUAL. RETAINER GLANDS SHALL BE McWANE (CLOW) F-1058 OR APPROVED EQUAL, AND SHALL BE INSTALLED AT THE JOINT BETWEEN THE VALVE AND THE PROPOSED WATER MAIN.

TAPPING SLEEVES SHALL BE STAINLESS STEEL WITH STAINLESS STEEL BOLTS AS FOLLOWS:

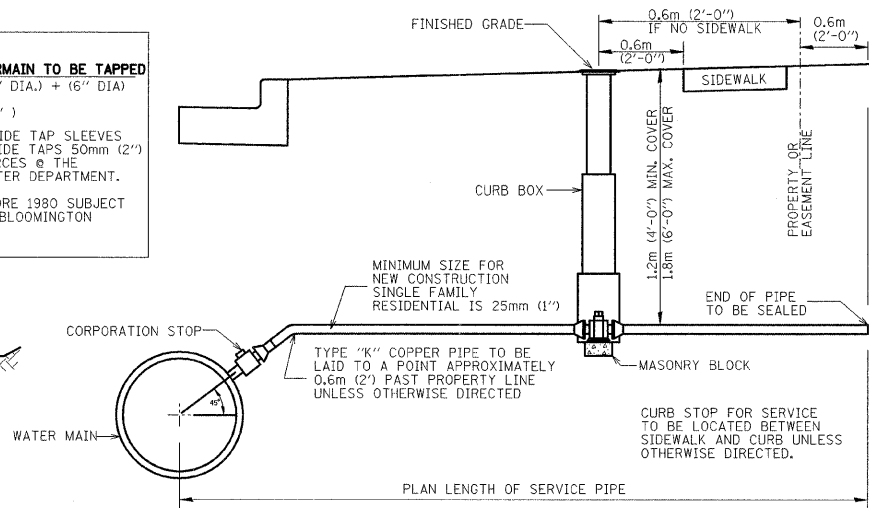
TAPS ONTO EXISTING 100mm (4"), 150mm (6"), AND 200mm (8") MAINS: CASCADE CST-SL, FORD FAST OR APPROVED EQUAL.

TAPS ONTO EXISTING 250mm (10") OR LARGER MAINS: CASCADE CST-EX OR APPROVED EQUAL.

VALVE BOXES SHALL BE PROVIDED AND INSTALLED. ALL VALVE BOXES SHALL HAVE NOT LESS THAN A 130mm (5 1/4") SHAFT. THE EXTENSIONS OF THE VALVE BOX AND SHAFT NECESSARY TO REACH THE GROUND ELEVATION SHALL BE INCLUDED. VALVE BOXES SHALL BE TYLER PIPE TWO PIECE, SCREW TYPE, #6850 SERIES WITH THE WORD "WATER" CAST ON LID OR AN APPROVED EQUAL.

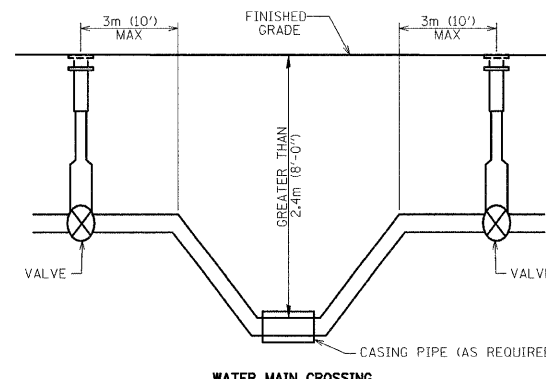
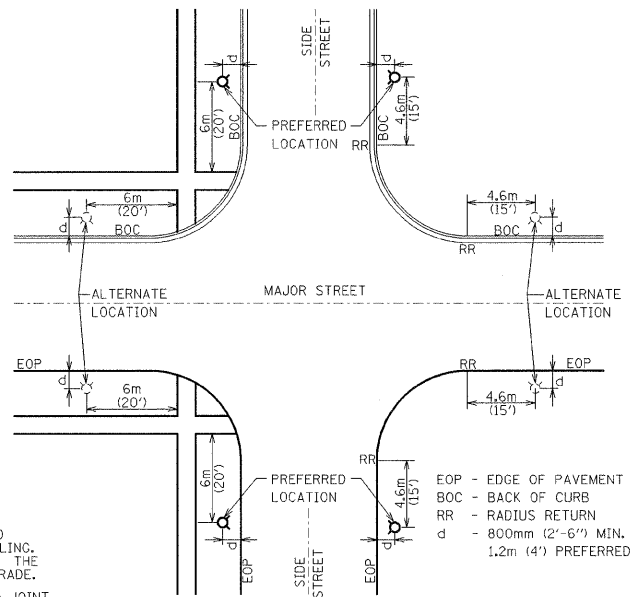
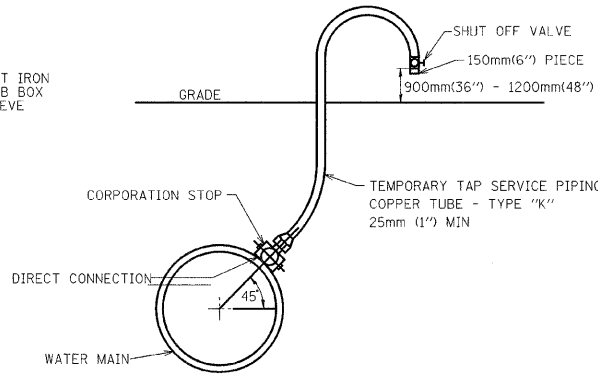
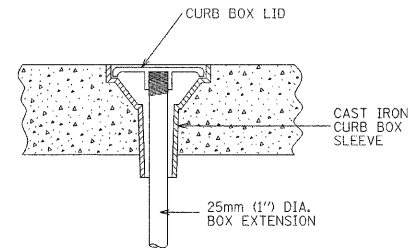
**NOTES**

- THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", FIFTH EDITION, DATED MAY 1996 SHALL APPLY TO THIS WORK.
- ALL WATERMAIN MATERIALS SHALL BE MANUFACTURED IN COUNTRIES SIGNATORY TO THE NORTH AMERICAN FREE TRADE AGREEMENT AND SHALL MEET OR EXCEED AWWA SPECIFICATIONS.
- FOR APPROVED MANUFACTURERS NOT LISTED ON THIS SHEET, INQUIRE OF THE CITY OF BLOOMINGTON WATER RESOURCES MANAGER AT (309) 434-2426.
- ALL FIRE HYDRANTS, VALVES, AND FITTINGS SHALL BE RESTRAINED.
- A #12 THINW SINGLE STRAND ELECTRIC CABLE SUITABLE FOR DIRECT BURIAL SHALL BE INSTALLED ON ALL WATERMAIN. THE CABLE SHALL BE TAPED OR ATTACHED TO THE PIPE IN AN APPROVED MANNER DURING INSTALLATION AND PRIOR TO BACKFILLING. TWO FEET OF SLACK SHALL BE PROVIDED AT ALL VALVE BOXES AND FIRE HYDRANTS. THE SLACK SHALL BE WRAPPED AROUND THE VALVE BOX OR FIRE HYDRANT AT FINISHED GRADE.
- ALL VERTICAL AND HORIZONTAL BENDS SHALL BE CONSTRUCTED WITH RESTRAINED JOINT PIPE. RESTRAINED JOINT LENGTHS SHALL BE DETERMINED IN ACCORDANCE WITH THE DUCTILE IRON PIPE RESEARCH ASSOCIATION (DIPRA) GUIDELINES & FURNISHED FOR REVIEW.



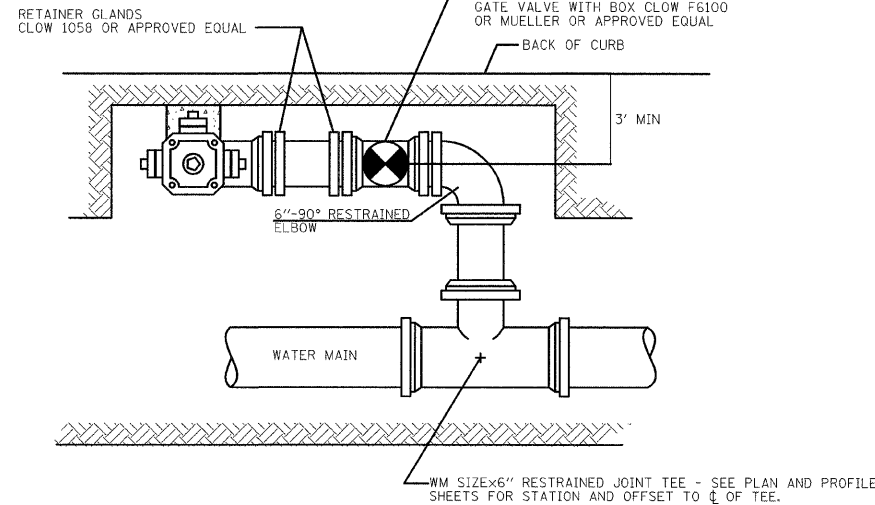
| SERVICE SIZE              | CORP. STOP                                 | CURB STOP                                  | CURB BOX                              |
|---------------------------|--|--|---------------------------------------|
| 19mm (3/4") & 25mm (1")   | MUELLER H-15000                            | MUELLER H-15200 or A.Y. MCDONALD 4T13      | MUELLER H-10314 or A.Y. MCDONALD 5601 |
| 30mm (1 1/4")             | MUELLER H-15000                            | MUELLER H-15204 or A.Y. MCDONALD 6100      | A.Y. MCDONALD 5603                    |
| 38mm (1-1/2") & 50mm (2") | BALL VALVE; FORD, MUELLER OR A.Y. MCDONALD | BALL VALVE; FORD, MUELLER OR A.Y. MCDONALD | A.Y. MCDONALD 5603                    |

• OR APPROVED EQUAL

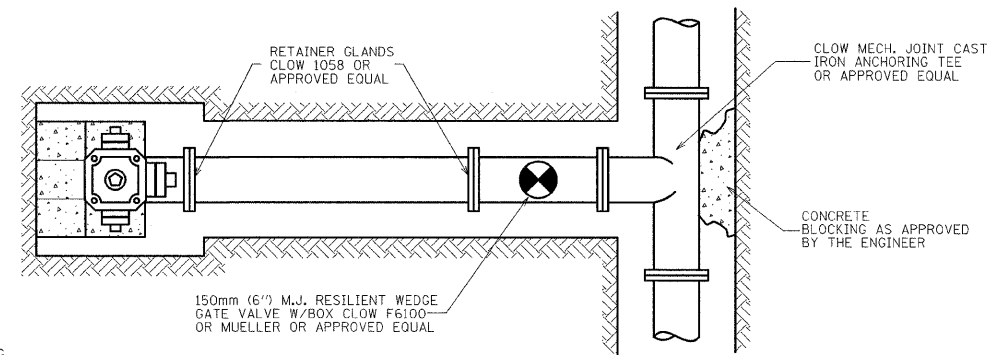


VALVE REQUIRED ON EACH SIDE OF SEWER, CREEK OR OTHER CROSSING WHERE WATER MAIN IS MORE THAN 2.4 m (8'-0") DEEP.

NO SERVICE TAPS OR HYDRANT CONNECTIONS BETWEEN VALVES.



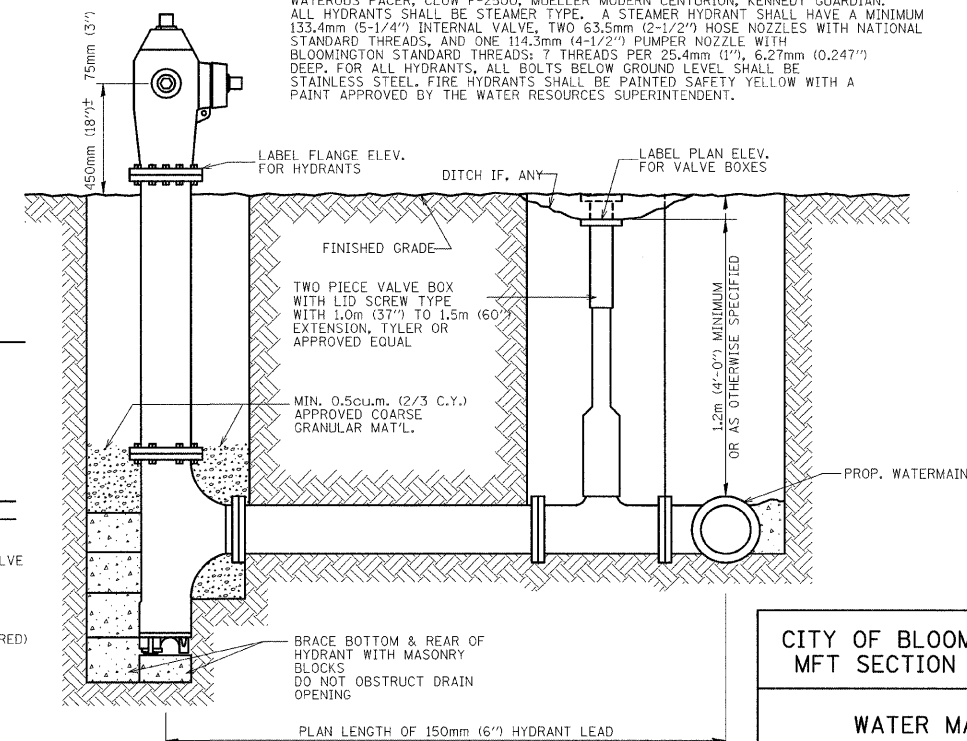
**PARALLEL MOUNT HYDRANT INSTALLATION**



**TYPICAL HYDRANT INSTALLATION PLAN**

**FIRE HYDRANTS SHALL BE:**

WATEROUS PACER, CLOW F-2500, MUELLER MODERN CENTURION, KENNEDY GUARDIAN. ALL HYDRANTS SHALL BE STEAMER TYPE. A STEAMER HYDRANT SHALL HAVE A MINIMUM 133.4mm (5-1/4") INTERNAL VALVE, TWO 63.5mm (2-1/2") HOSE NOZZLES WITH NATIONAL STANDARD THREADS, AND ONE 114.3mm (4-1/2") PLUMPER NOZZLE WITH BLOOMINGTON STANDARD THREADS: 7 THREADS PER 25.4mm (1"), 6.27mm (0.247") DEEP. FOR ALL HYDRANTS, ALL BOLTS BELOW GROUND LEVEL SHALL BE STAINLESS STEEL. FIRE HYDRANTS SHALL BE PAINTED SAFETY YELLOW WITH A PAINT APPROVED BY THE WATER RESOURCES SUPERINTENDENT.



CITY OF BLOOMINGTON, ILLINOIS  
MFT SECTION 05-00333-00-BT

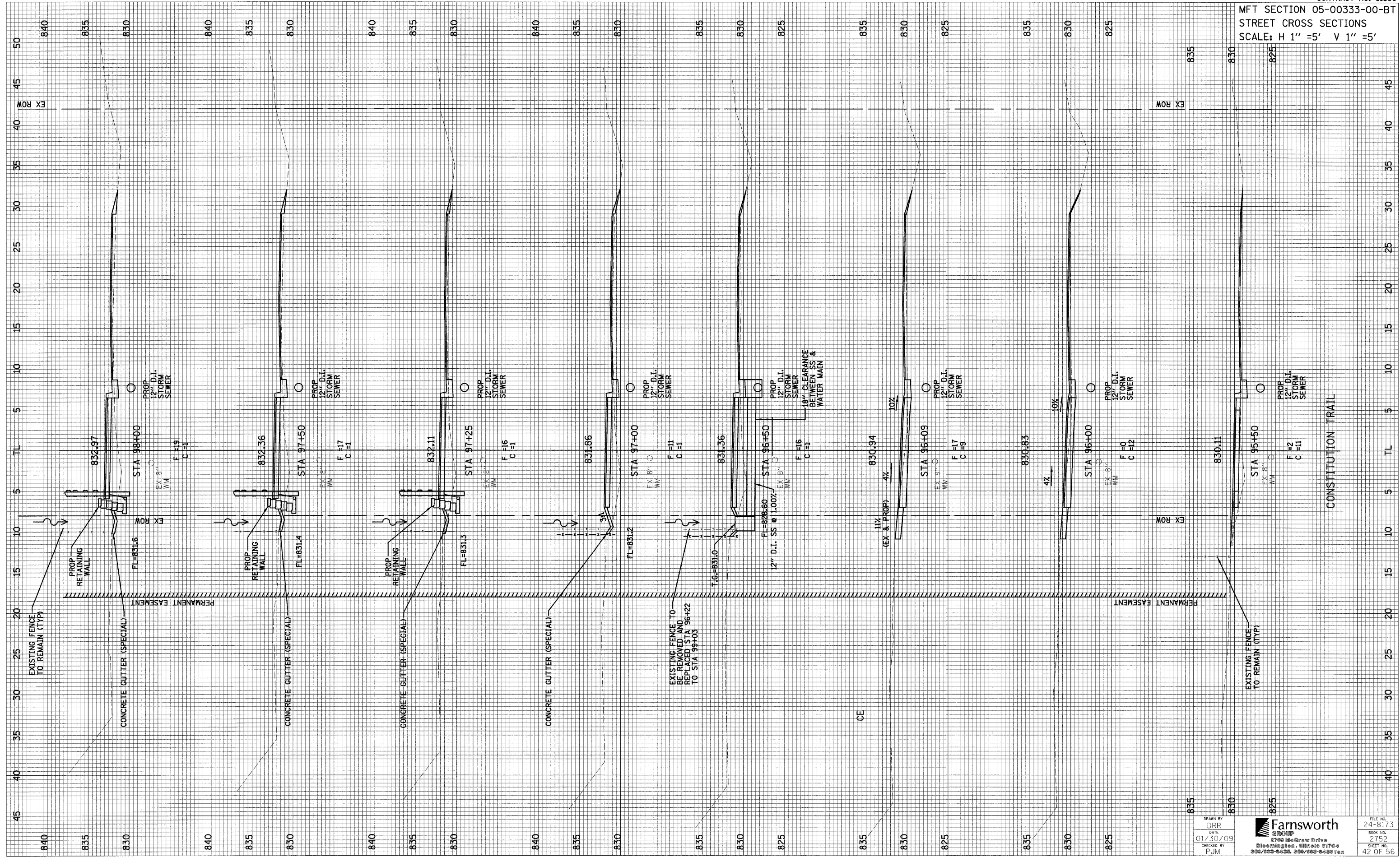
**WATER MAIN DETAILS**

|                   |  |                     |
|-------------------|--|---------------------|
| DRAWN BY<br>DRR   | <p><b>Farnsworth GROUP</b><br/>3708 McGraw Drive<br/>Bloomington, Illinois 61704<br/>309/882-6486 309/883-1871 fax</p> | FILE NO.<br>24-8173 |
| DATE<br>01/30/09  |  | SHEET NO.<br>2752   |
| CHECKED BY<br>PJM |  | 40 OF 56            |





MFT SECTION 05-00333-00-BT  
STREET CROSS SECTIONS  
SCALE: H 1" = 5' V 1" = 5'



|     |     |     |
|-----|-----|-----|
| 835 | 830 | 825 |
| 840 | 835 | 830 |
| 835 | 830 | 825 |

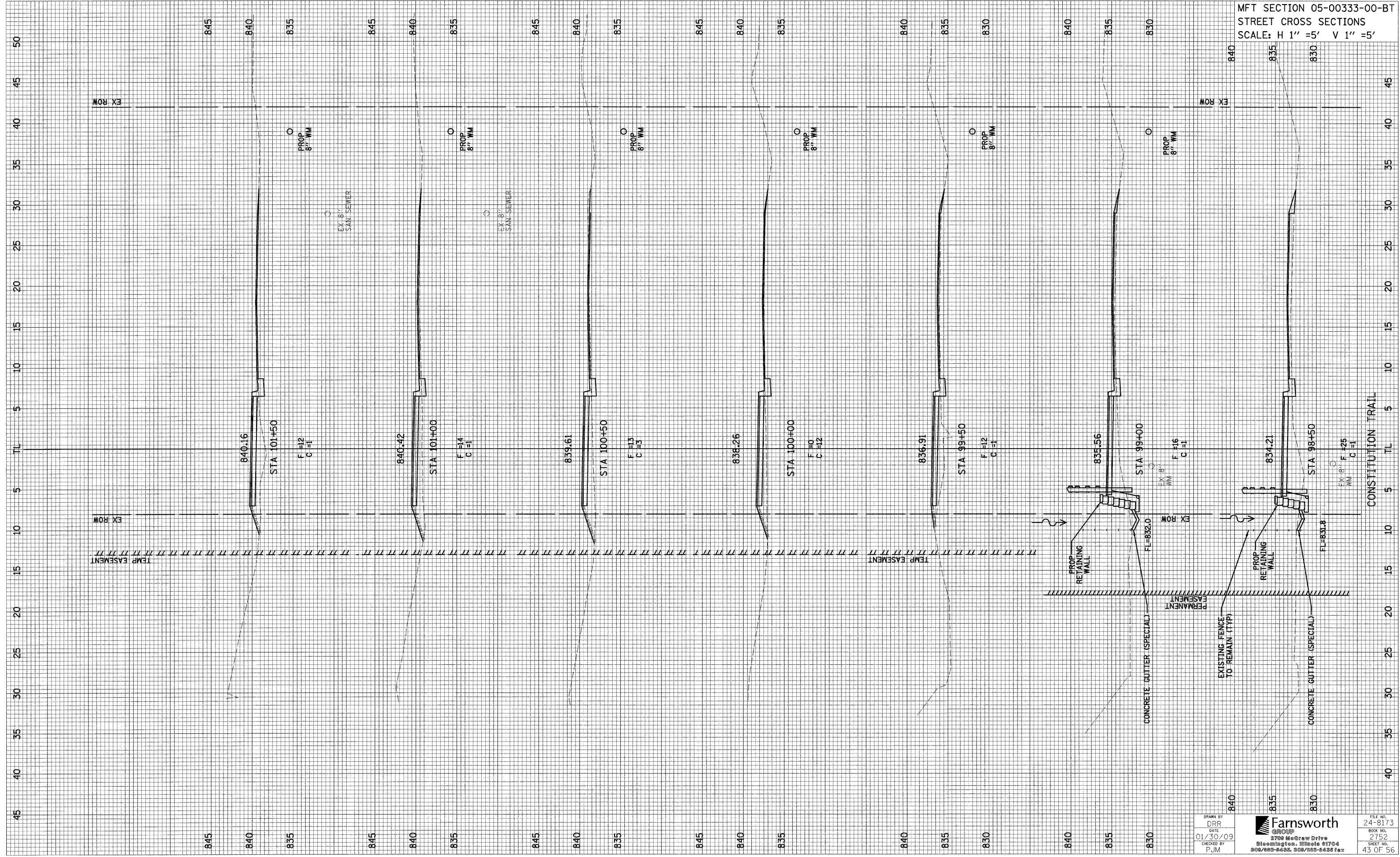
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 DATE: 01/30/09  
 CHECKED BY: PJM

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FILE NO. 24-8173  
 BOOK NO. 2752  
 SHEET NO. 42 OF 56

REVISED 03/08/09 DRR

MFT SECTION 05-00333-00-BT  
STREET CROSS SECTIONS  
SCALE: H 1" = 5' V 1" = 5'



|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 845 | 840 | 835 | 845 | 840 | 835 | 845 | 840 | 835 | 840 | 835 | 830 | 840 | 835 | 830 |
| 845 | 840 | 835 | 845 | 840 | 835 | 845 | 840 | 835 | 840 | 835 | 830 | 840 | 835 | 830 |
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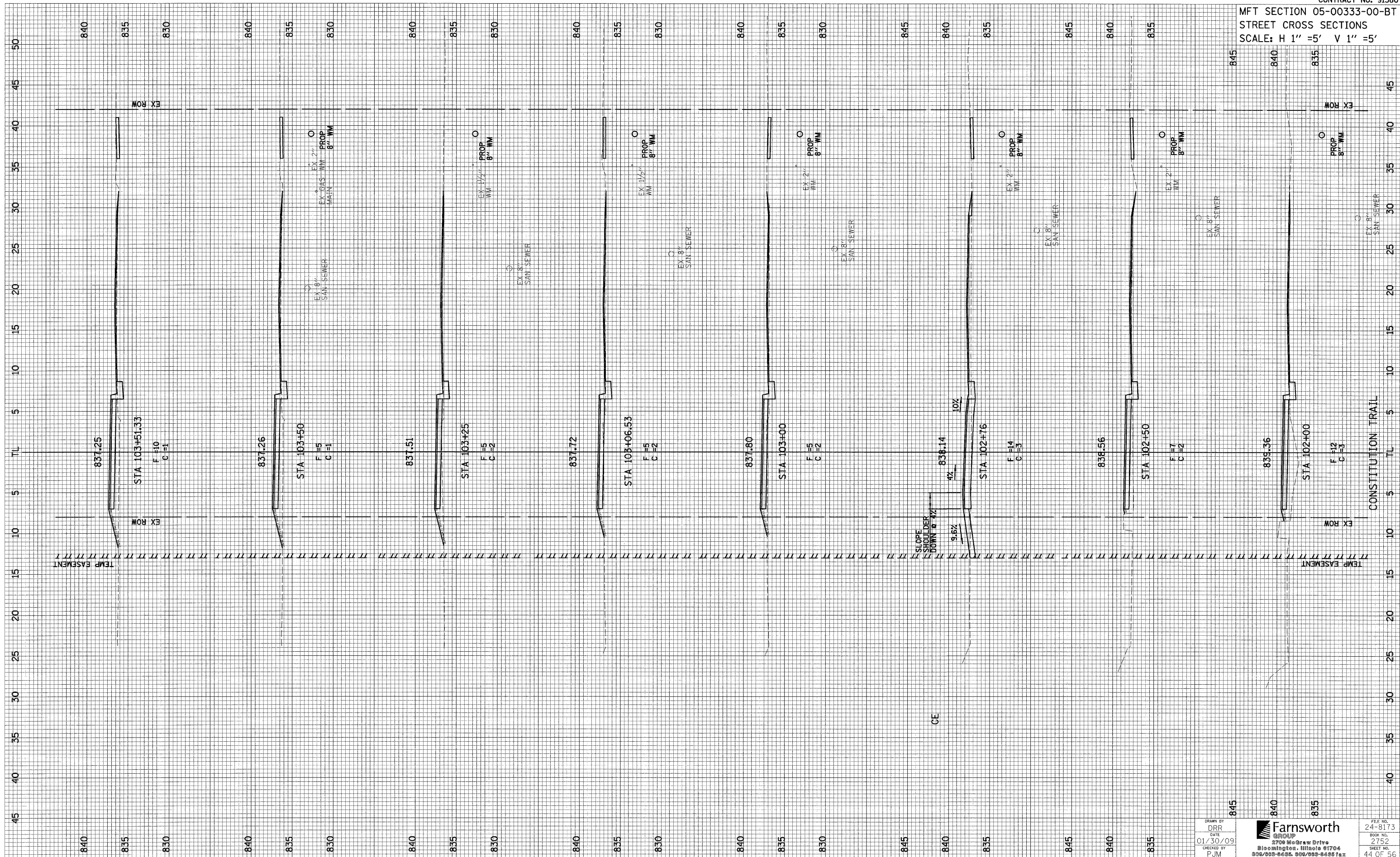
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| DATE       | 01/30/09 | BOOK NO.  | 2752     |
| CHECKED BY | PJM      | SHEET NO. | 43 OF 56 |

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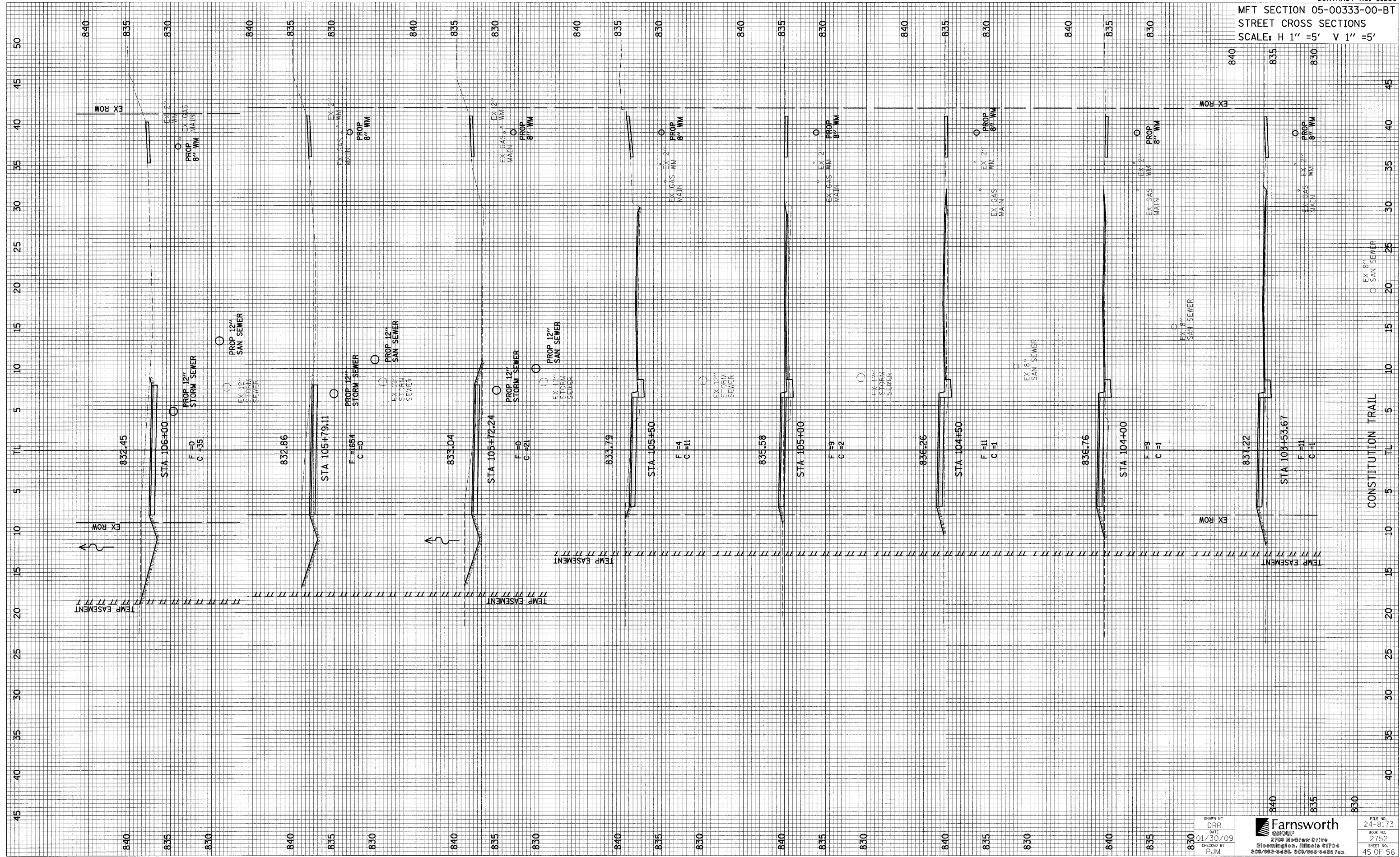
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 DATE  
 01/30/09  
 CHECKED BY  
 FJM

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FILE NO.  
 24-8173  
 BOOK NO.  
 2752  
 SHEET NO.  
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REVISED 03/08/09 DRR

MFT SECTION 05-00333-00-BT  
STREET CROSS SECTIONS  
SCALE: H 1" = 5' V 1" = 5'



DRAWN BY: DRR  
 DATE: 01/30/09  
 CHECKED BY: PJM

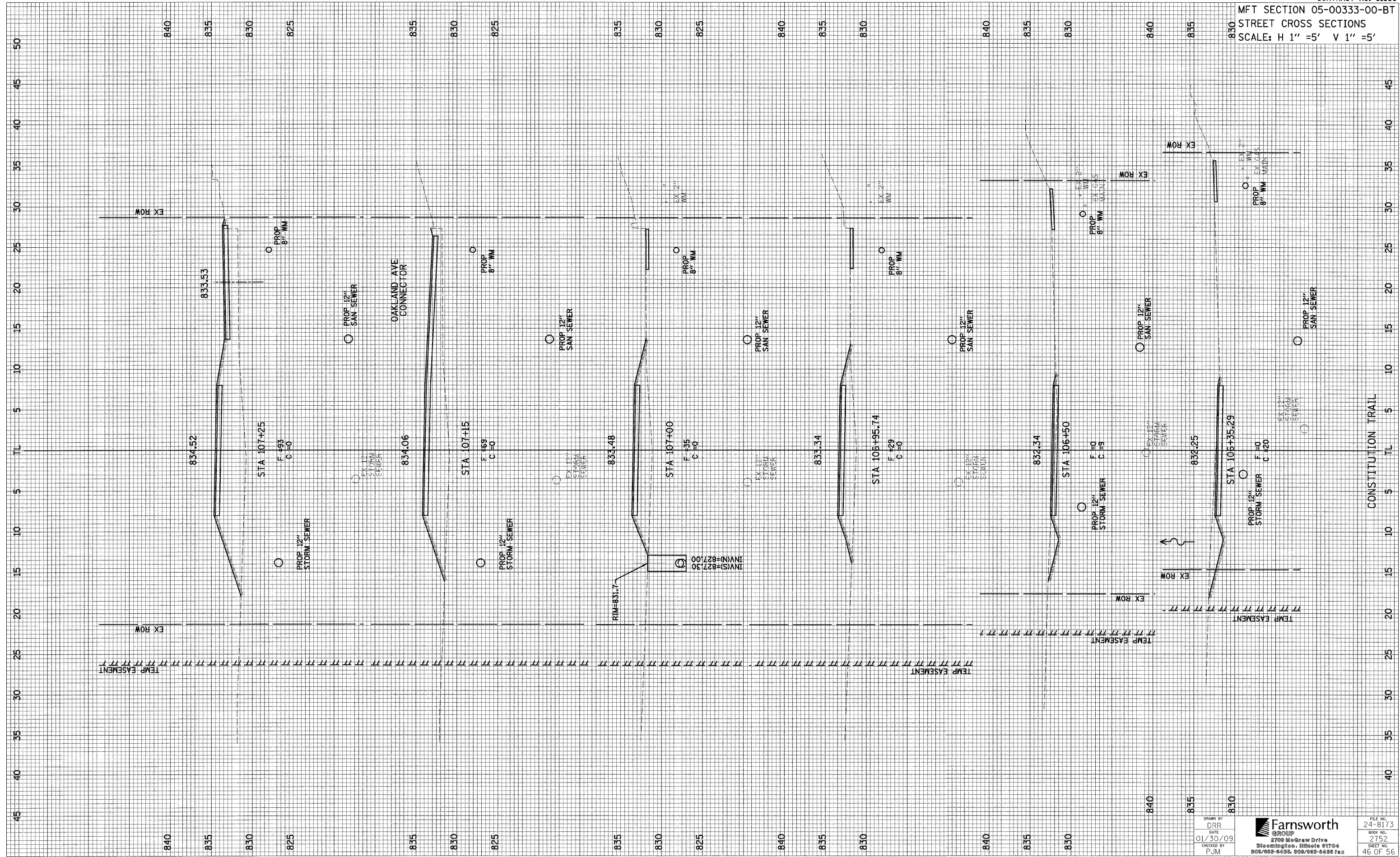
**Farnsworth GROUP**  
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 Bloomington, Illinois 61704  
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FILE NO. 24-8173  
 BOOK NO. 2752  
 SHEET NO. 45 OF 56

REVISED 03/08/09 DRR



MFT SECTION 05-00333-00-BT  
STREET CROSS SECTIONS  
SCALE: H 1" = 5' V 1" = 5'



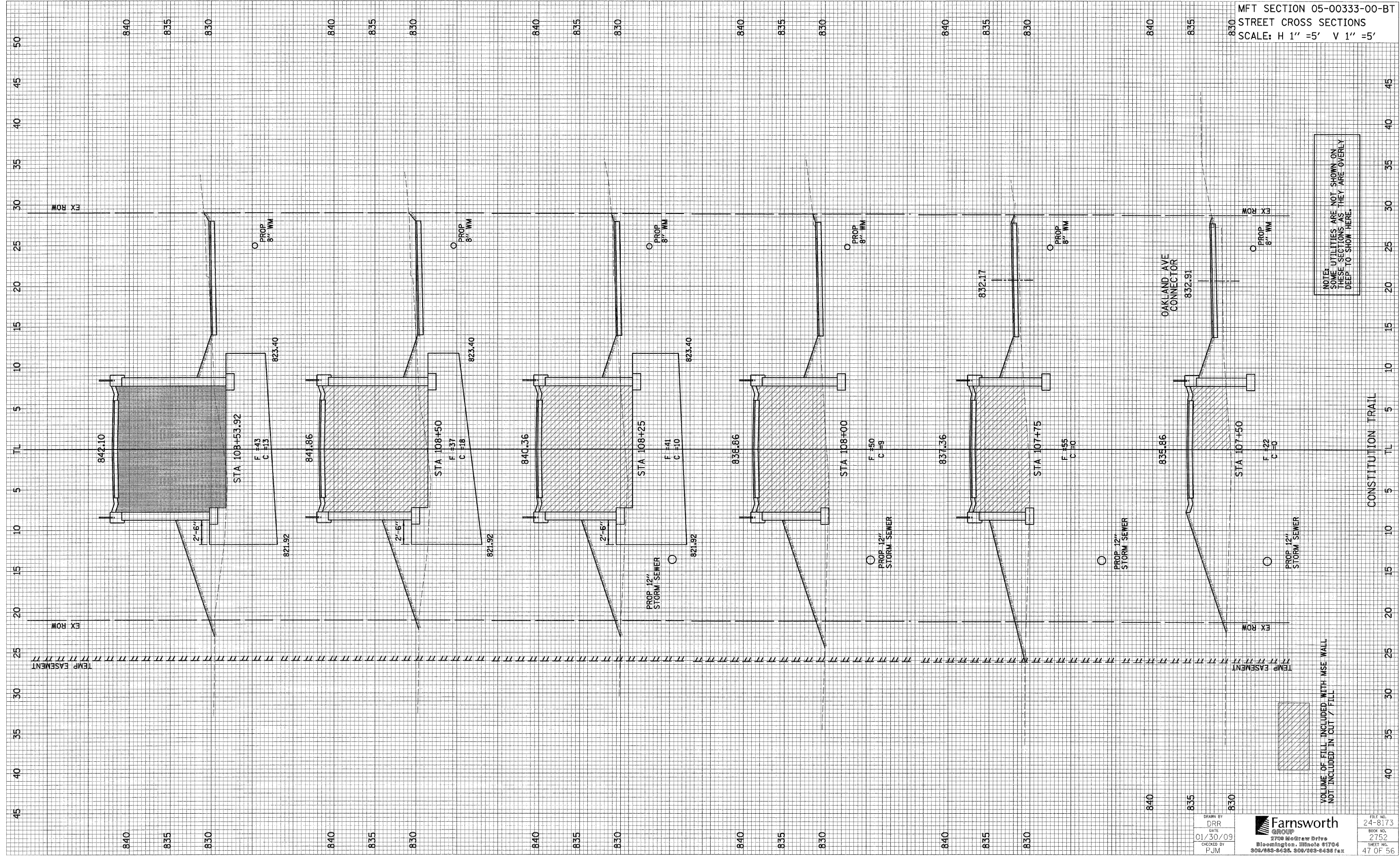
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 CHECKED BY: PJM



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MFT SECTION 05-00333-00-BT  
STREET CROSS SECTIONS  
SCALE: H 1" = 5' V 1" = 5'



NOTES:  
SOME UTILITIES ARE NOT SHOWN ON THESE SECTIONS AS THEY ARE OVERLY DEEP TO SHOW HERE.

VOLUME OF FILL INCLUDED WITH MSE WALL NOT INCLUDED IN CUT / FILL

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PJM

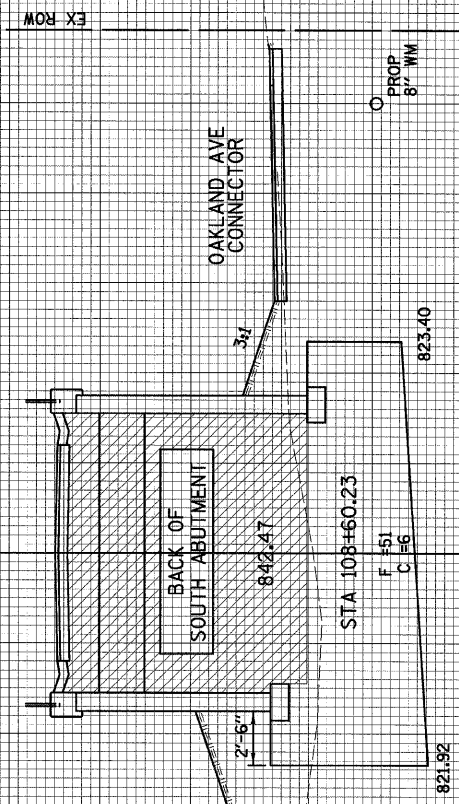
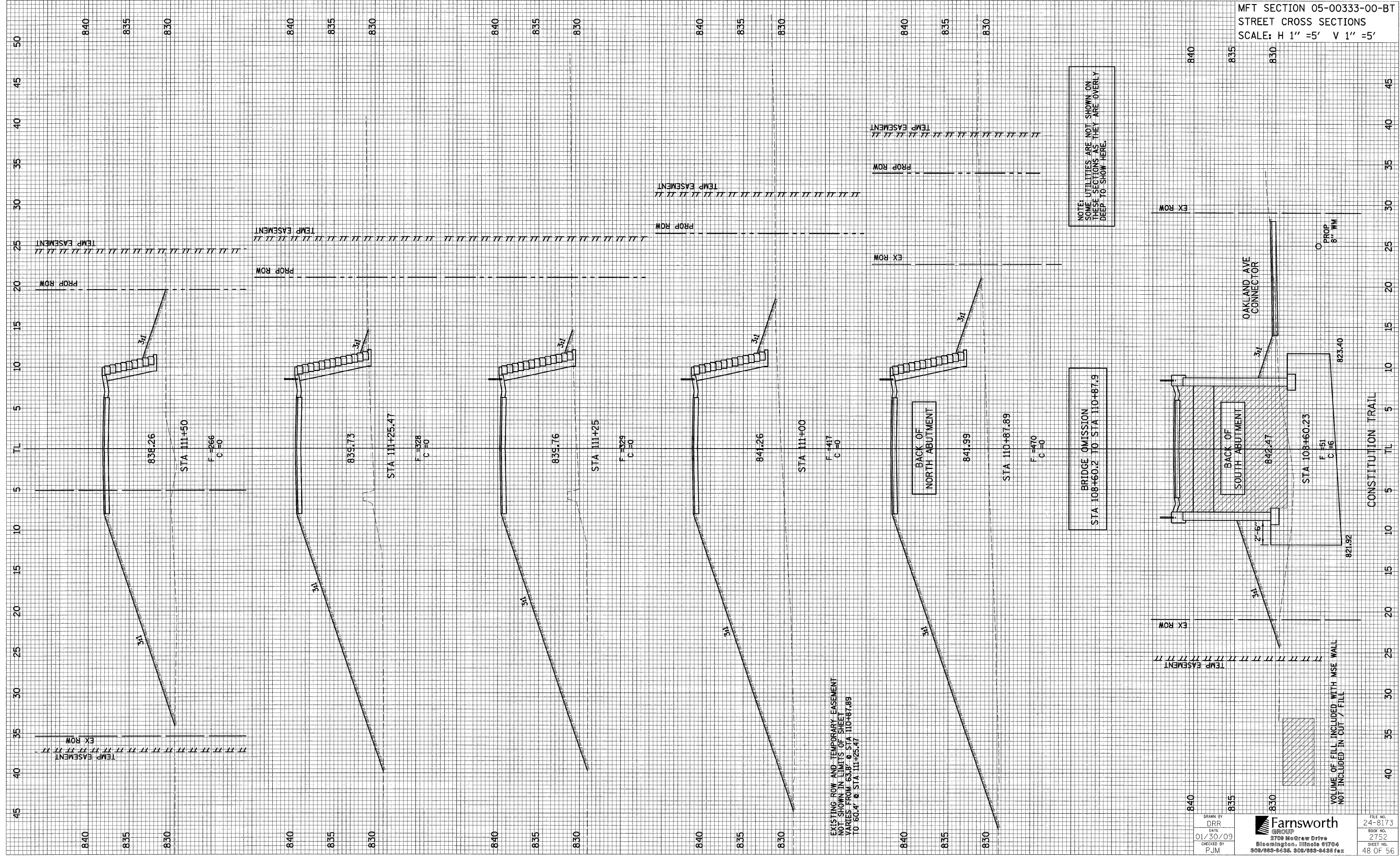
**Farnsworth GROUP**  
3709 McGraw Drive  
Bloomington, Illinois 61704  
309/885-9635 309/885-6436 fax

FILE NO.  
24-8173  
BOOK NO.  
2752  
SHEET NO.  
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REVISED 03/05/09 DRR



MFT SECTION 05-00333-00-BT  
STREET CROSS SECTIONS  
SCALE: H 1" = 5' V 1" = 5'



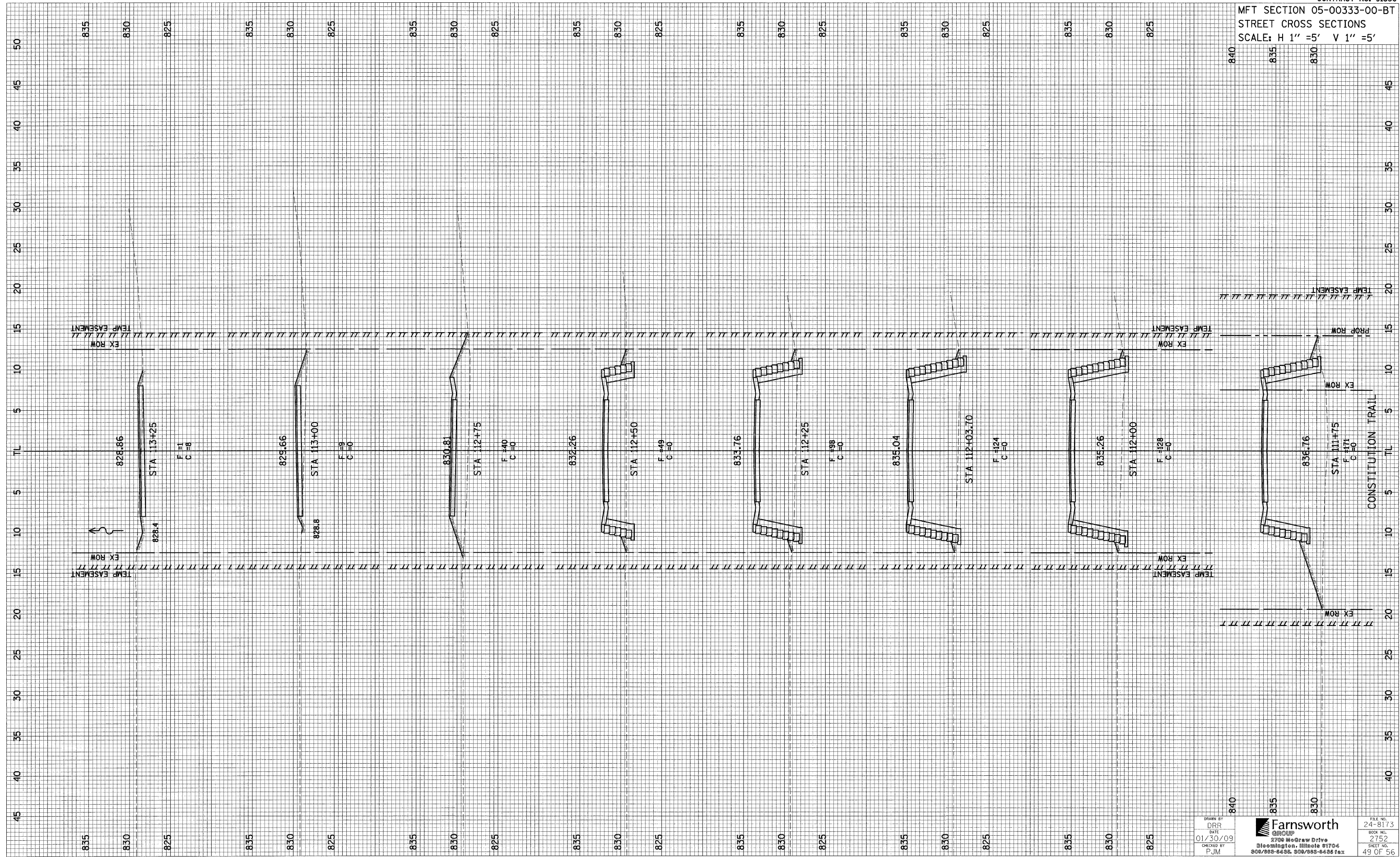
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|-----|-----|-----|
| 840 | 835 | 830 |
| 840 | 835 | 830 |
| 840 | 835 | 830 |

DRAWN BY: DRR  
 DATE: 01/30/09  
 CHECKED BY: PJM  
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 FILE NO.: 24-8173  
 BOOK NO.: 2752  
 SHEET NO.: 48 OF 56

REVISED 03/05/09 DRR



MFT SECTION 05-00333-00-BT  
STREET CROSS SECTIONS  
SCALE: H 1" = 5' V 1" = 5'

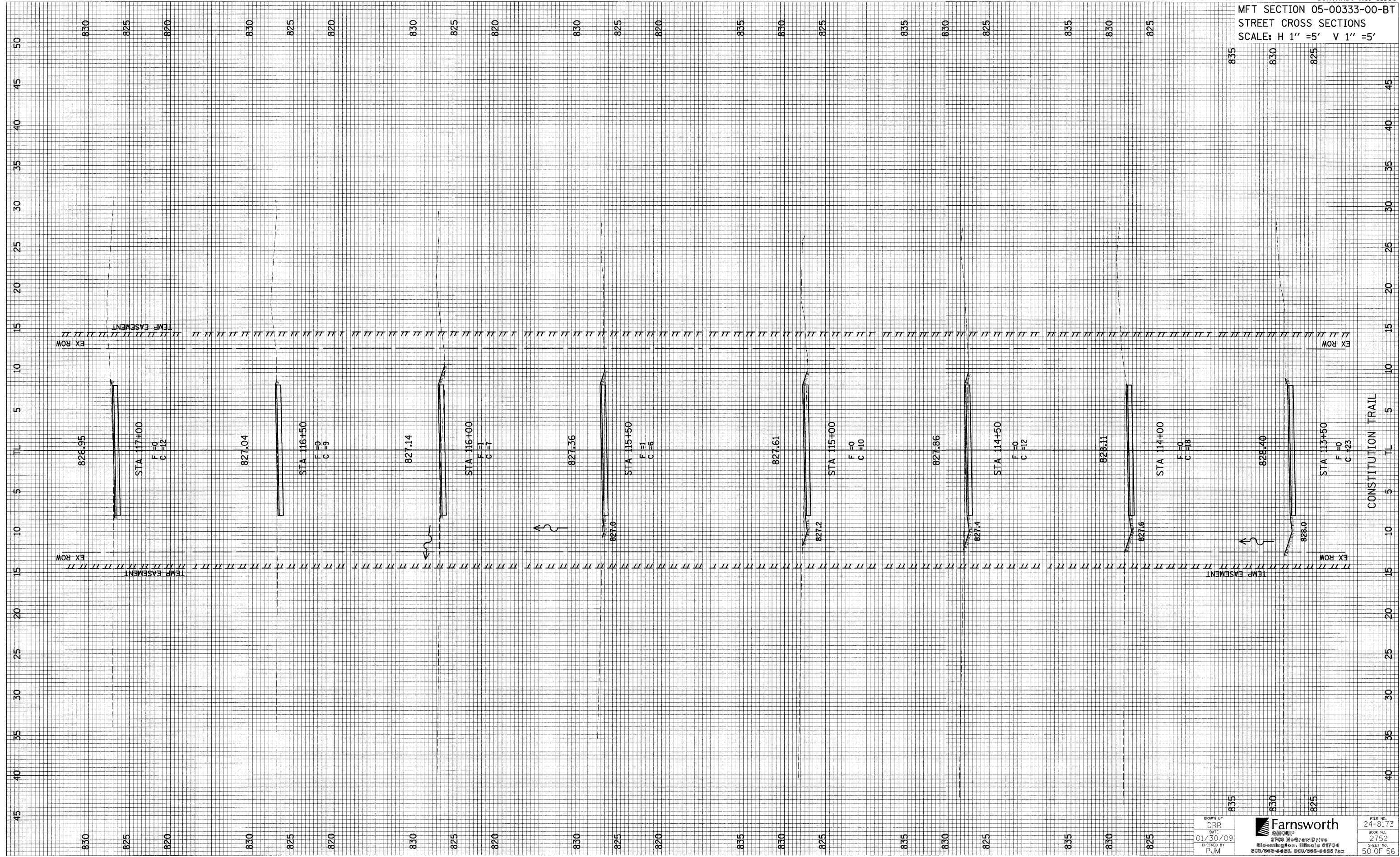


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FILE NO.  
24-8173  
BOOK NO.  
2752  
SHEET NO.  
49 OF 56

MFT SECTION 05-00333-00-BT  
STREET CROSS SECTIONS  
SCALE: H 1" = 5' V 1" = 5'



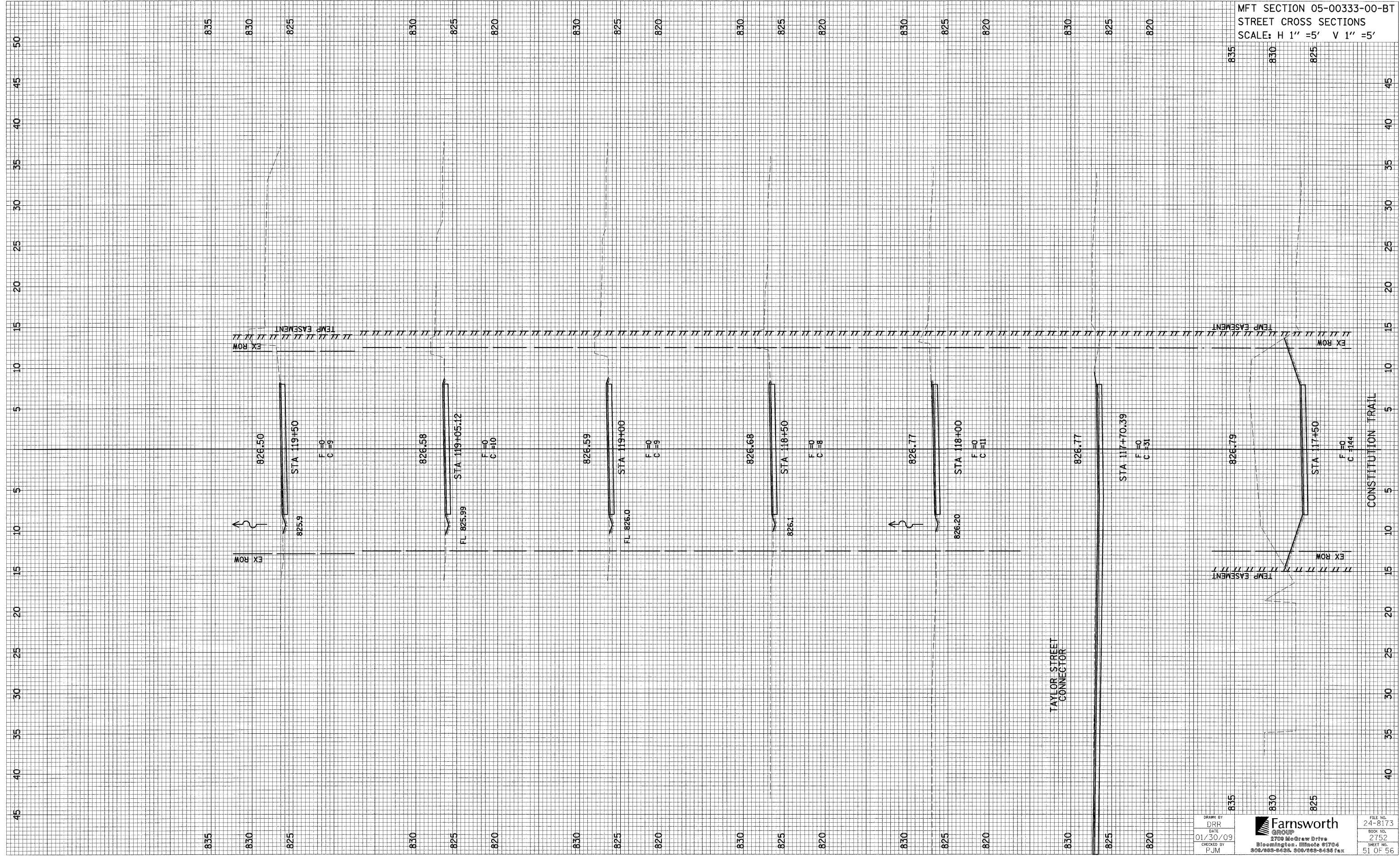
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DATE  
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FILE NO.  
24-8173  
BOOK NO.  
2752  
SHEET NO.  
50 OF 56



MFT SECTION 05-00333-00-BT  
STREET CROSS SECTIONS  
SCALE: H 1" = 5' V 1" = 5'



835  
830  
825

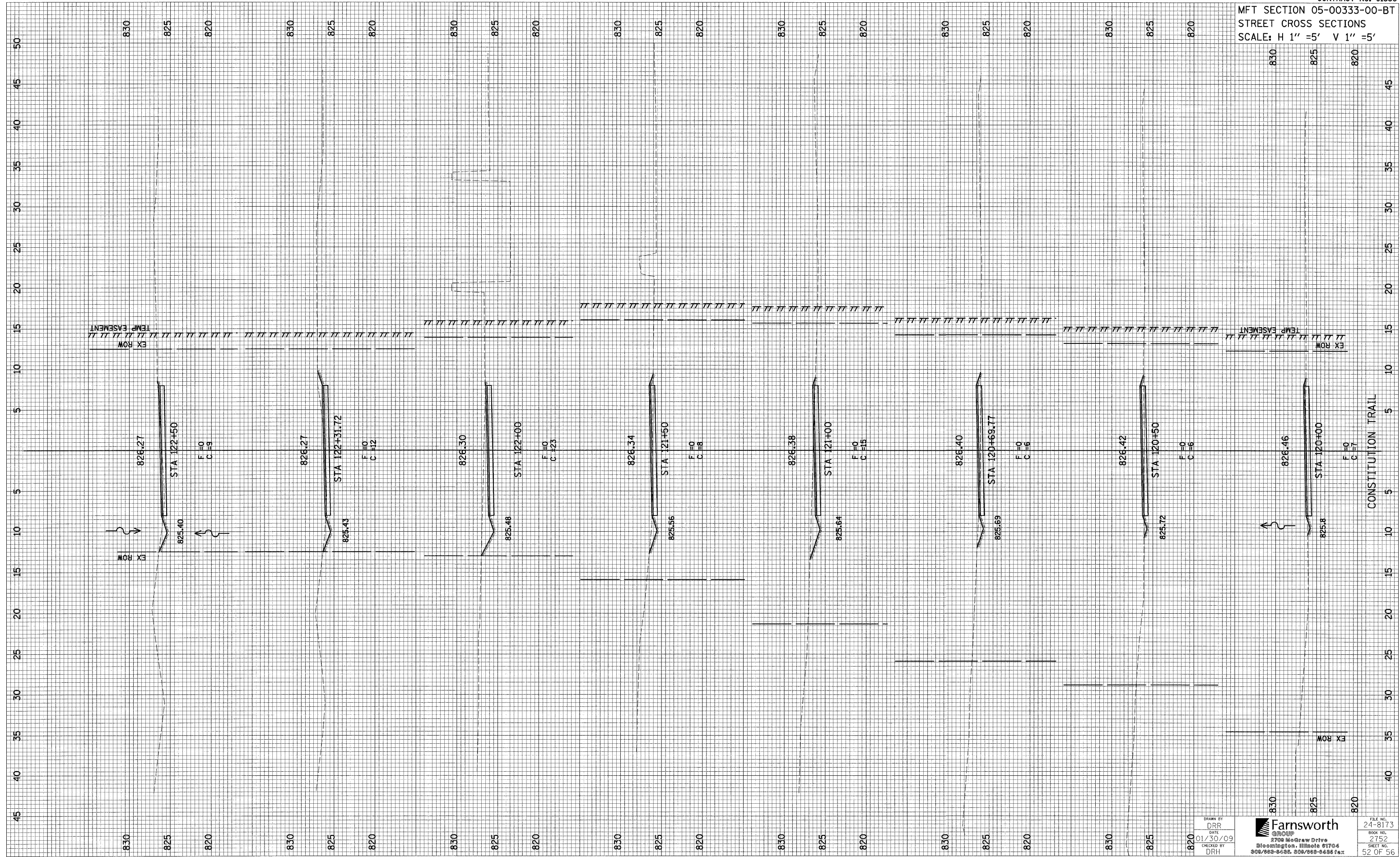
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DATE  
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PJM

835  
830  
825

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FILE NO.  
24-8173  
BOOK NO.  
2752  
SHEET NO.  
51 OF 56

MFT SECTION 05-00333-00-BT  
STREET CROSS SECTIONS  
SCALE: H 1" = 5' V 1" = 5'



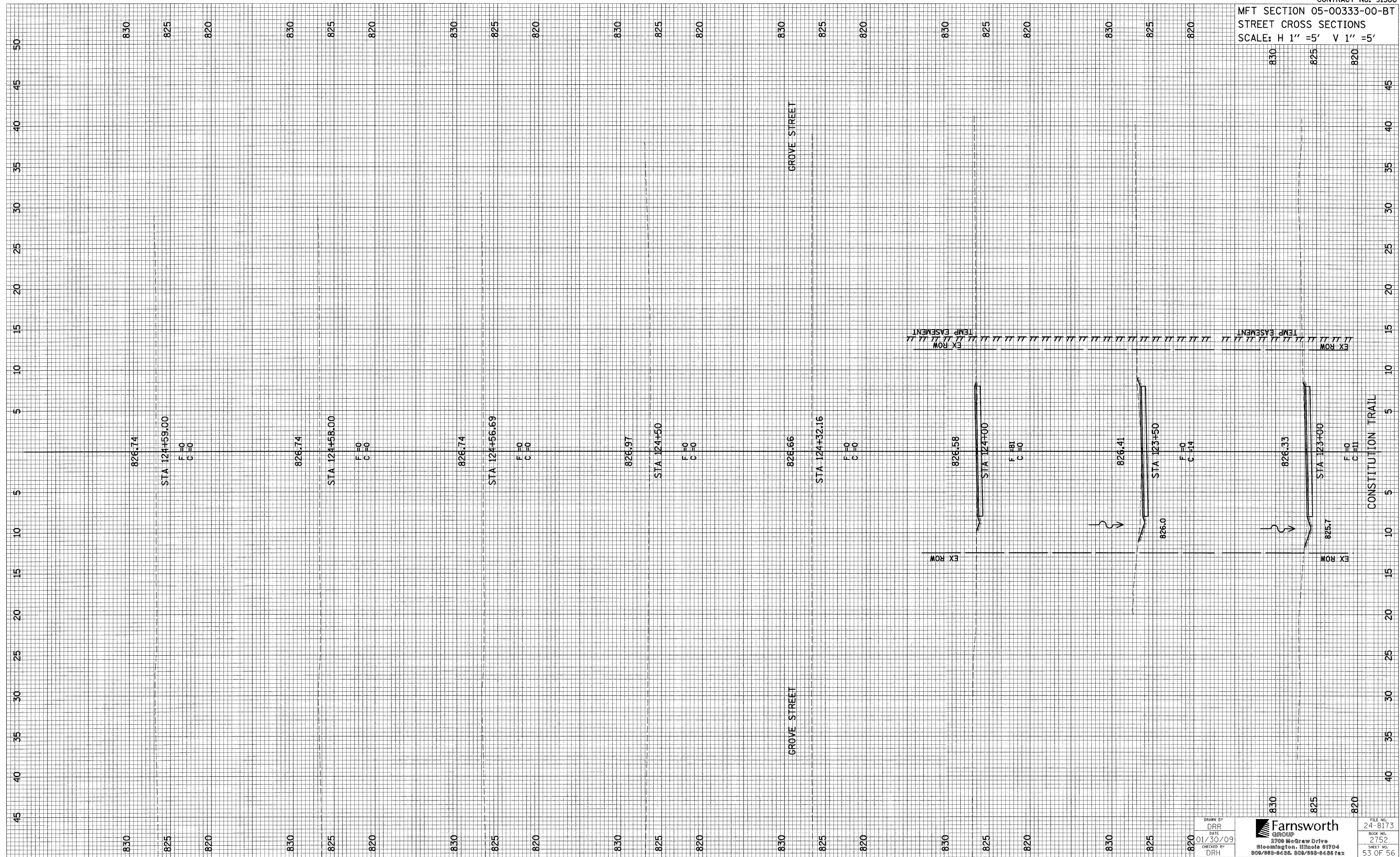
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 CHECKED BY: DRH

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FILE NO.: 24-8173  
 BOOK NO.: 2752  
 SHEET NO.: 52 OF 56



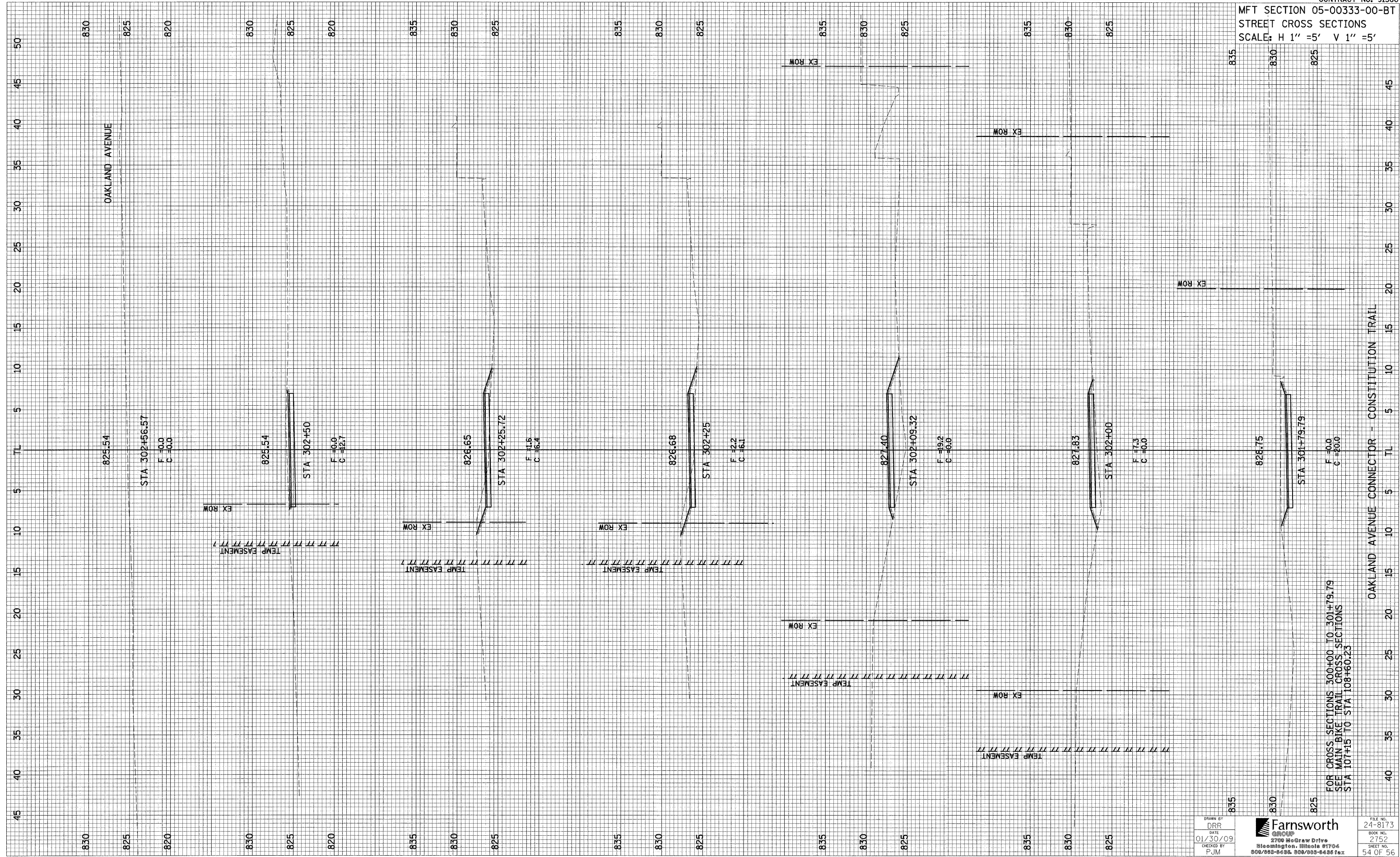
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STREET CROSS SECTIONS  
SCALE: H 1" = 5' V 1" = 5'



DRAWN BY: DRR  
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 CHECKED BY: DRH

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FILE NO.: 24-8173  
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 SHEET NO.: 53 OF 56



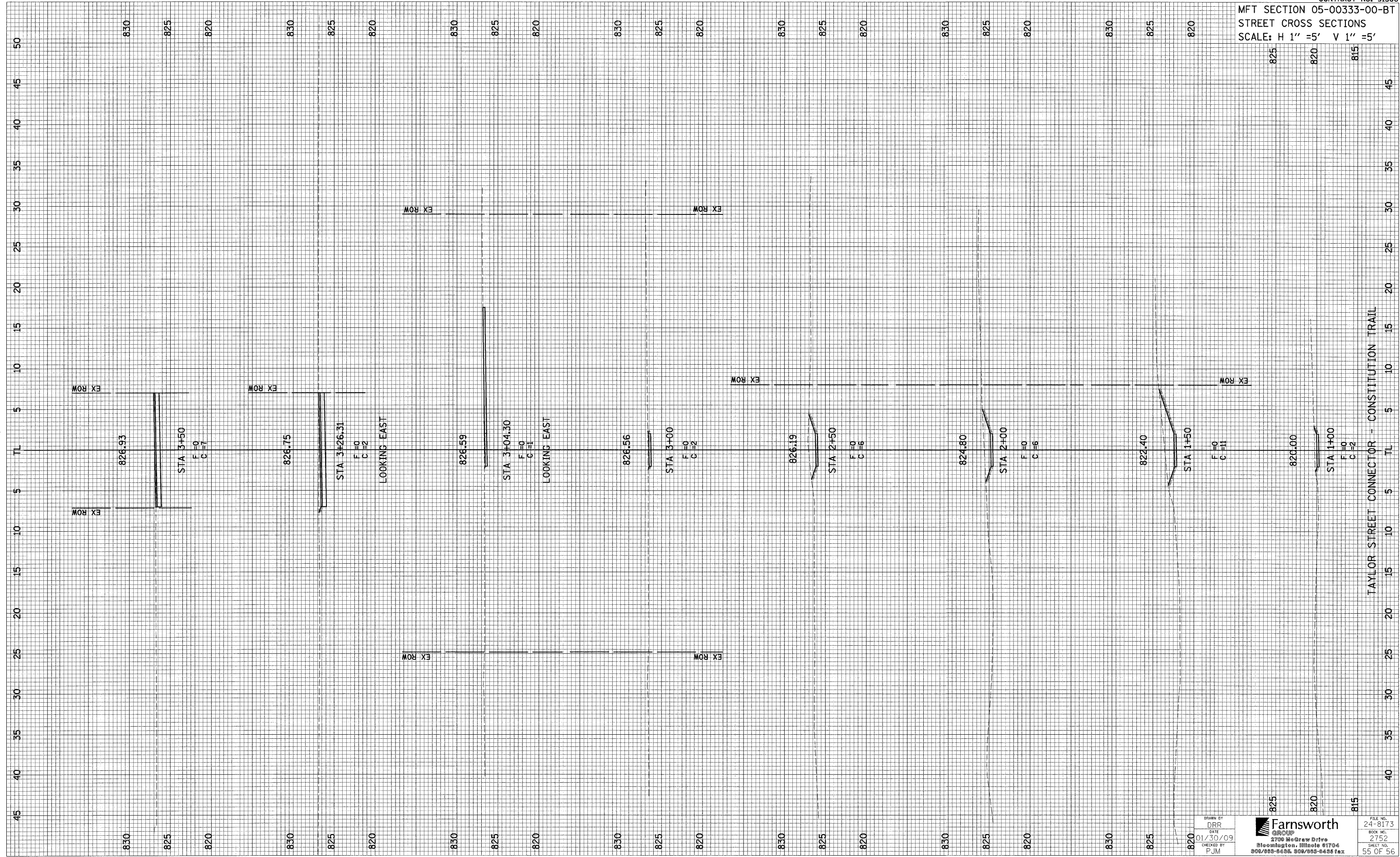
FOR CROSS SECTIONS 300+00 TO 301+79.79  
 SEE MAIN BIKE TRAIL CROSS SECTIONS  
 STA 107+15 TO STA 108+60.25

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FILE NO.  
 24-8173  
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 2752  
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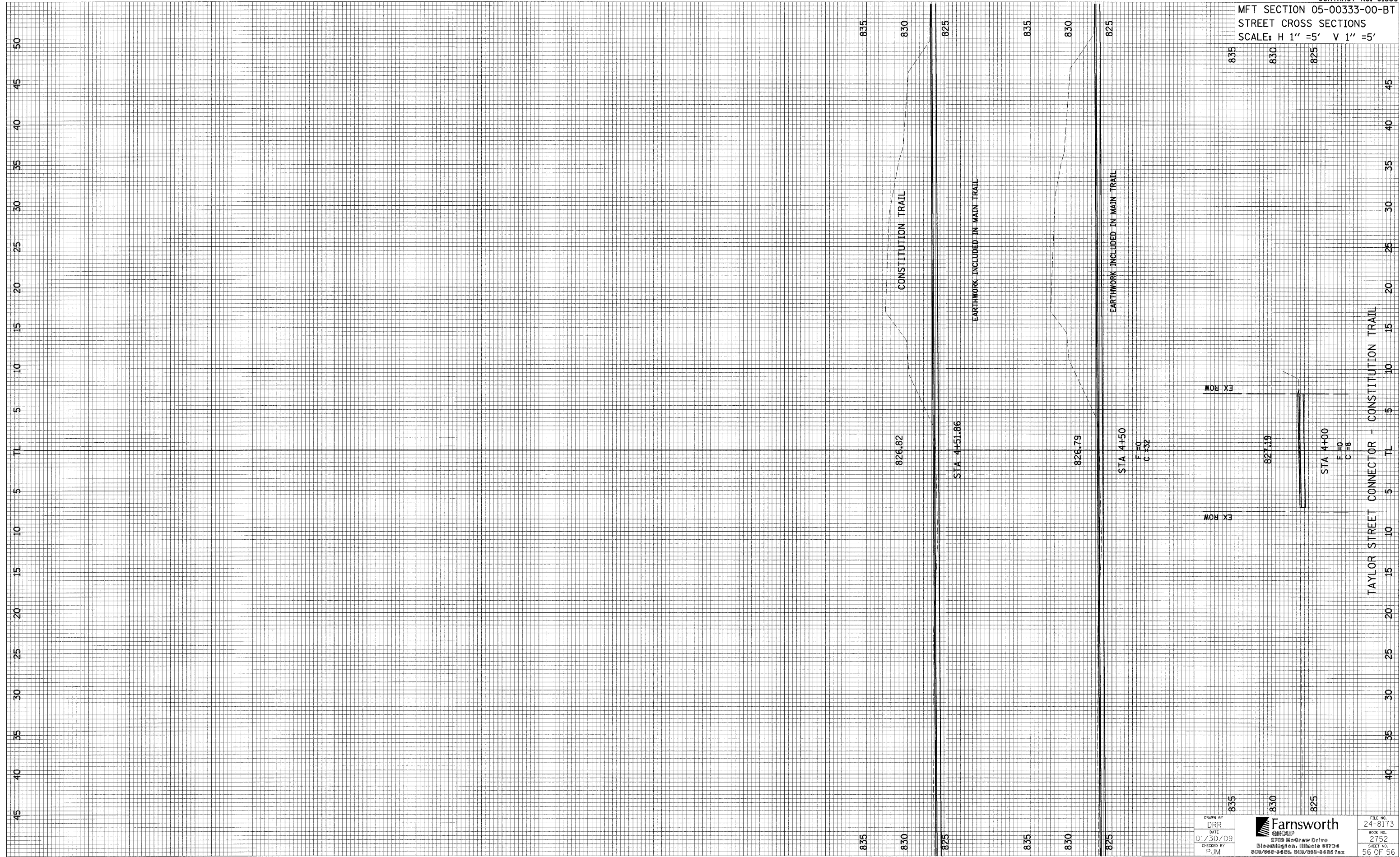


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FILE NO.  
24-8173  
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2752  
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MFT SECTION 05-00333-00-BT  
STREET CROSS SECTIONS  
SCALE: H 1" = 5' V 1" = 5'



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