

04-24-2015 LETTING ITEM 113

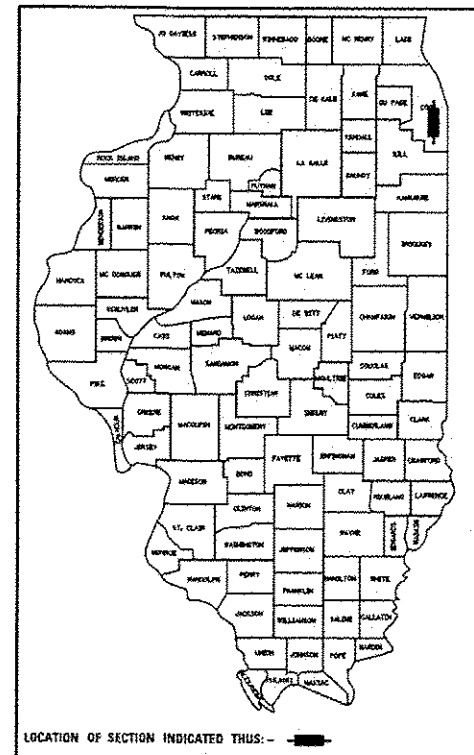
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**PLANS FOR PROPOSED**  
**GRAND ILLINOIS TRAIL -**  
**BURNHAM GREENWAY**  
**BRAINARD AVENUE TO WILLIAM W POWER CONSERVATION AREA**  
**MULTI-USE PATH**  
**SECTION: GIT - BURNHAM GREENWAY**  
**PROJECT NO. ACTE-000V(005)**  
**COOK COUNTY**  
**IDNR PROJECT NO. 2-15-013**  
**JOB NO. C-30-002-14**

|           |         |        |                    |           |
|-----------|---------|--------|--------------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS       | SHEET NO. |
|           |         | COOK   | 70                 | 1         |
| ILLINOIS  |         |        | CONTRACT NO. 46301 |           |

D-1

THIS PROJECT IS LOCATED IN THE CITY OF CHICAGO

| INDEX OF SHEETS |  |
|-----------------|--|
| SHT NO          | TITLE                                  |
| 1               | COVER SHEET                            |
| 2               | GENERAL NOTES                          |
| 3 - 5           | SUMMARY & SCHEDULE OF QUANTITIES       |
| 6               | TYPICAL SECTIONS                       |
| 7 - 9           | HORIZONTAL ALIGNMENT DATA & BENCHMARKS |
| 10 - 19         | PLAN AND PROFILES                      |
| 20 - 24         | EROSION CONTROL PLAN & SWPPP           |
| 25 - 28         | DETAILS                                |
| 29 - 33         | STRUCTURAL PLANS                       |
| 34 - 61         | CROSS SECTIONS                         |
| 62 - 70         | DISTRICT 1 STANDARDS                   |



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

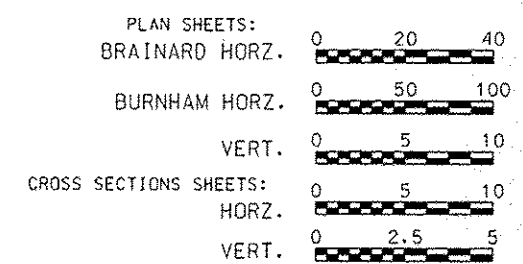
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED March 27, 2015  
*[Signature]*  
 DEPUTY DIRECTOR OF HIGHWAYS

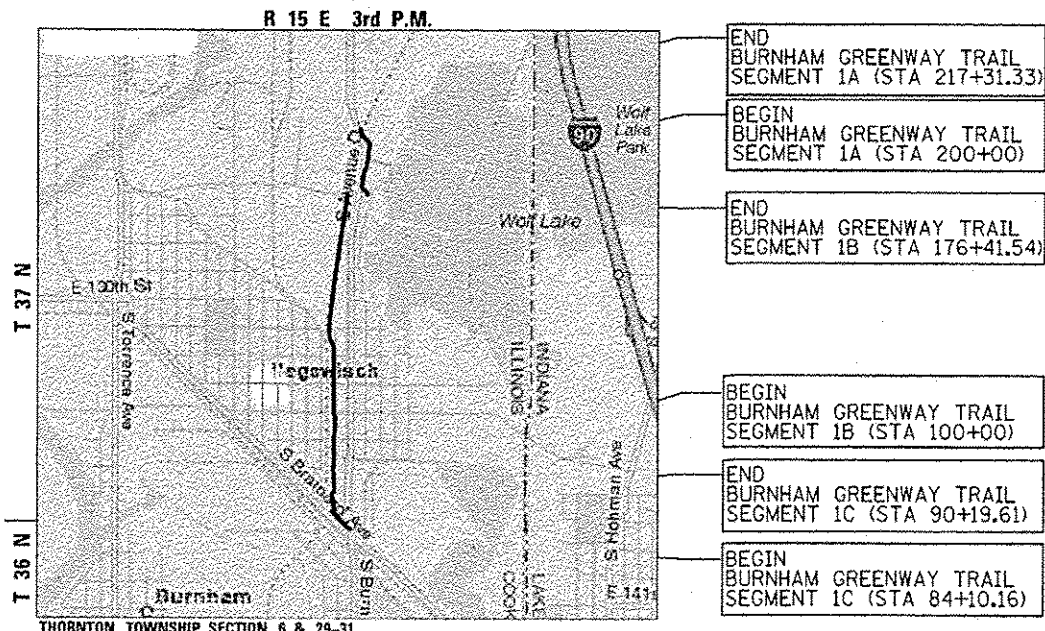
May 20, 2015  
*John D. Baranzolli P.E.*  
 ENGINEER OF DESIGN AND ENVIRONMENT

Mar 20, 2015  
*Emir Osman P.E.*  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**SCALES**



**LOCATION MAP**



**WARNING**  
 CALL 811 BEFORE YOU DIG

CALL 811 TOLL FREE  
 800-882-0123

**Missman, Inc.**  
 Professional Engineers & Land Surveyors

Civil Engineering • Environmental Services • GIS • Landscape Architecture • Surveying  
 333 East State Street Rockford, Illinois 61101-0827  
 Phone (815) 965-6400 Fax (815) 965-6416

I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF ILLINOIS.

*Michael J. Kuehn*  
 MICHAEL J. KUEHN DATE 3-17-2015  
 REG. NO. 062-057541 RENEWAL DATE 11/30/2015  
 SHEETS UNDER STAMP: 1-29, 33-70

**IDOT PROJECT MANAGER: MIKE BRAND (217)782-7651**  
**CONTRACT NO. 46301**

**GENERAL NOTES**

ALL DIMENSIONS AND RADII ARE TAKEN FROM THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL CONTROL PRIOR TO COMMENCING WORK. IF ANY DISCREPANCIES ARE ENCOUNTERED, NOTIFY THE ENGINEER. ADJUSTMENTS OR CORRECTIONS WILL BE MADE BY THE ENGINEER.

ALL ROADWAYS SHALL BE KEPT FREE AND CLEAR OF MUD AND CONSTRUCTION DEBRIS ON A DAILY BASIS.

EXCAVATION IN OLD GRAVEL OR MACADAM ROAD AND RAILROAD BEDS TO BE PAID FOR AS EARTH EXCAVATION.

EXISTING STRUCTURES (INCLUDING FOUNDATIONS, WALLS, CISTERNS, WELL, AND OTHER UNDERGROUND STRUCTURES) WITHIN THE PROJECT LIMITS SHALL BE REMOVED IN ACCORDANCE WITH ARTICLE 501.02 AND 501.03 OF THE STANDARD SPECIFICATIONS, WITHOUT ADDITIONAL COMPENSATION UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIAL PROVISIONS. THE CONCRETE FOUNDATION, TYPE A LOCATED IN THE NW CORNER OF SOUTH AVENUE "0" / SOUTH BRAINARD AVENUE SHALL BE PAID FOR AS REMOVE EXISTING CONCRETE FOUNDATION. ANY ADDITIONAL FOUNDATIONS REQUIRING REMOVAL DURING CONSTRUCTION ACTIVITIES SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION.

THE REMOVAL OF BITUMINOUS SURFACING NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION.

THE FINAL TOP SIX INCHES OF SOIL IN THE PROJECT LIMITS DISTURBED BY THE CONTRACTOR MUST BE A COHESIVE SOIL CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2' DEEP OF SOIL PROFILES OF LOCALS SOILS.

MULCH ON TEMPORARY SEEDING SHALL BE MULCH METHOD 1.

THE SECTION ALONG SOUTH BRAINARD AVENUE SHALL BE SODDED WITH SODDING, SALT TOLERANT. THE REMAINDER OF THE PROJECT SHALL BE SEEDDED WITH SEEDING, CLASS 1B.

ALL UTILITIES UNDER AND WITHIN TWO (2) FEET OF ANY EXISTING OR PROPOSED TRAIL PAVEMENT SHALL BE BACKFILLED WITH SELECT GRANULAR BACKFILL MATERIAL. TRENCH AND BACKFILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" (LOOSE MEASUREMENT), COMPACTED TO A MINIMUM 95% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM 1557-91, MODIFIED PROCTOR DENSITY.

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS INDICATED ON THE PLANS OR AUTHORIZED FOR REMOVAL BY THE ENGINEER

SILT FENCE SHALL BE PLACED IN LOCATIONS AS DIRECTED BY THE ENGINEER.

DITCHES SHOULD BE CLEARED OF SOFT SEDIMENT, SOD AND OTHER DEBRIS TO (12 INCHES) BEFORE PLACING EMBANKMENT.

EXISTING PAVEMENT, DRIVEWAY PAVEMENT, AND CURB AND CUTTER TO REMAIN IN PLACE SHALL BE SAW CUT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND EXISTING. THIS WORK SHALL BE INCLUDED IN THE COST OF THE APPROPRIATE PAY ITEM.

FOR SECTIONS WITH AGGREGATE SHOULDERS, THE PAY LIMITS OF THE SUB BASE GRANULAR MATERIAL, TYPE B SHALL BE CONSIDERED AT THE EDGE OF THE PAVEMENT (10' WIDTH), THE 1' WIDE PORTION OF THE SUB BASE GRANULAR MATERIAL, TYPE B BENEATH THE 2' WIDE 6" AGGREGATE SHOULDER SHALL BE INCLUDED IN THE COST OF THE 6" AGGREGATE SHOULDER.

THE 3" HMA SURFACE COURSE, MIX "C" N30 AND INCIDENTAL HMA SURFACING SHALL BE PLACED IN ONE LIFT. THE CONTRACTOR WILL BE RESPONSIBLE FOR MEETING ALL NECESSARY HMA DENSITY AND SMOOTHNESS REQUIREMENTS.

ALL TEMPORARY WORK PADS OR FILL SHALL BE REMOVED TO THE EXISTING OR PROPOSED GROUND CONTOUR AFTER COMPLETION OF THE PROJECT.

CENTERLINE STRIPING FOR THE SHARED USE PATH SHALL BE SKIP DASHED WITH A 3' STRIPE AND A 9' GAP PER MUTCD GUIDELINES.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE MUNICIPALITY TO DETERMINE APPROVED METHODS OF UTILITY STRUCTURE ADJUSTMENT. UTILITY STRUCTURES MAY INCLUDE, BUT NOT LIMITED TO, MANHOLES, WATER VALVES, HANDHOLES, ETC. ALL MATERIALS AND WORK NECESSARY TO COMPLETE ADJUSTMENTS PER MUNICIPALITY REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED ADJUSTMENT PAY ITEM.

TIE BARS SHALL BE INSTALLED TO TIE PCC APPURTENANCE TO ADJACENT CONCRETE PAVEMENT. CONCRETE CURB AND GUTTER SHALL UTILIZE STD. 606001 AND USE 24" LONG #6 TIE BARS AT 24" CENTERS. PCC PAVEMENT SHALL UTILIZE STD. 420101 AND USE 24" LONG #6 BARS AT 30" CENTERS. TIES BARS TO BE INSTALLED IN ACCORDANCE WITH APPLICABLE PORTION OF ARTICLE 420.05(b) OF THE STANDARD SPECIFICATIONS. SEE HIGHWAY STANDARD 420001 FOR DETAIL ON LONGITUDINAL CONSTRUCTION JOINT GROUT-IN-PLACE TIE BAR. THE COST OF THE TIE BARS TO BE INCLUDED IN THE COST IF THE PCC APPURTENANCE ADJACENT TO THE EXISTING PAVEMENT.

VALVE BOXES SHALL BE ADJUSTED TO THE FINAL GRADE SHOWN IN THE PLANS. THE COST OF ADJUSTING VALVE BOXES SHALL BE INCIDENTAL TO THE CONTRACT.

THE CONCRETE FOUNDATION, TYPE A LOCATED IN THE NW CORNER OF SOUTH AVENUE "0" / SOUTH BRAINARD AVENUE SHALL BE PAID FOR AS REMOVE EXISTING CONCRETE FOUNDATION. ANY ADDITIONAL FOUNDATIONS REQUIRING REMOVAL DURING CONSTRUCTION ACTIVITIES SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION.

**COMMITMENTS**

THE BURGER KING ENTRANCE AT STA 86+76 AND METRA ENTRANCE AT STA 88+85 SHALL BE CONSTRUCTED HALF AT A TIME TO ALLOW ACCESS TO THE ENTRANCES AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH METRA AND BURGER KING ON THE SCHEDULING OF THE ENTRANCE WORK.

WETLANDS IDENTIFIED BEYOND CONSTRUCTION LIMITS STA 141+00 - 145+00 LT, STA 140+00 - 176+ 41 RT, AND STA 215+00 - 217+31 RT. CONTRACTOR TO TAKE GREAT CARE TO REMAIN WITHIN CONSTRUCTION LIMITS TO AVERT WETLAND IMPACTS.

THE CONTRACTOR TO REMAIN WITHIN THE 25' COMED EASEMENT FROM STA. 100+00 TO 141+00.

**HIGHWAY STANDARDS**

|           |  |
|-----------|--|
| 280001-07 | Temporary Erosion Control Measures                                 |
| 424001-08 | Perpendicular Curb Ramps for Sidewalks                             |
| 424006-02 | Diagonal Curb Ramps for Sidewalks                                  |
| 424016-02 | Mid-Block Curb Ramps for Sidewalks                                 |
| 424026-01 | Entrance/Alley Pedestrian Crossings                                |
| 664001-02 | Chain Link Fence   |
| 606001-06 | Concrete Curb Type B and Comb Conc Curb & Cutter                   |
| 701101-04 | Off Road Operations, Multilane 15' to 24' from Pavement Edge       |
| 701601-09 | Urban Lane Closure, Multilane, 1W or 2W with Nontraversable Median |
| 701606-10 | Urban Lane Closure, Multilane, 2W with Mountable Median            |
| 701701-09 | Urban Lane Closure, Multilane Intersection                         |
| 701801-05 | Sidewalk, Corner, or Crosswalk Closure                             |
| 701901-04 | Traffic Control Devices  |
| 729001-01 | Applications of Types A & B Metal Posts (For Signs & Markers)      |
| 780001-05 | Typical Pavement Markings  |
| 878001-10 | Concrete Foundation Details  |

**DISTRICT 1 STANDARDS**

|       |   |
|-------|---|
| BD-01 | Driveway Details Distance Between R.O.W. and Face of Curb & Edge of Shoulder >= 15' |
| BD-24 | Curb or Curb & Gutter Replacement   |
| TC-13 | District One Typical Pavement Markings  |
| TS-05 | District One Standard Traffic Signal Design Details                                 |

FILE NAME = G:\2015\TRANS\BID\TOD2015\BURNHAM\_GENNOTES.dgn

|                            |              |           |
|----------------------------|--------------|-----------|
| USER NAME= mlkak           | DESIGNED MJK | REVISED - |
|                            | DRAWN MJK    | REVISED - |
| PLOT SCALE=100.0012' / In. | CHECKED FJH  | REVISED - |
| PLOT DATE= 3/12/2015       | DATE 3-15-11 | REVISED - |



333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - GENERAL NOTES**

SHEET NO. 1 OF 1 SHEETS

| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS       | SHEET NO. |
|---------------------------|---------|--------|--------------------|-----------|
|                           |         | COOK   | 70                 | 2         |
|                           |         |        | CONTRACT NO. 46301 |           |
| ILLINOIS FED. AID PROJECT |         |        |                    |           |

URBAN  
80% FED.  
20% STATE

URBAN  
80% FED.  
20% STATE

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE 0028

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE 0028

| Pay Item No. | Pay Item Description  | Unit  | Total Quantity |
|--------------|---|-------|----------------|
| 20100110     | TREE REMOVAL (6 TO 15 UNITS DIAMETER)   | UNIT  | 44             |
| 20100210     | TREE REMOVAL (OVER 15 UNITS DIAMETER)   | UNIT  | 16             |
| 20100500     | TREE REMOVAL, ACRES   | ACRE  | 0.12           |
| 20101100     | TREE TRUNK PROTECTION   | EACH  | 3              |
| 20200100     | EARTH EXCAVATION  | CU YD | 3705           |
| 21001000     | GEOTECHNICAL FABRIC FOR GROUND STABILIZATION                                      | SQ YD | 12,560         |
| 21101625     | TOPSOIL FURNISH AND PLACE, 6"   | SQ YD | 7,165          |
| 25000115     | SEEDING, CLASS 1B   | ACRE  | 3.3            |
| 25200110     | SODDING, SALT TOLERANT  | SQ YD | 339            |
| 25000400     | NITROGEN FERTILIZER NUTRIENT  | POUND | 310.9          |
| 25000500     | PHOSPHORUS FERTILIZER NUTRIENT  | POUND | 310.9          |
| 25000600     | POTASSIUM FERTILIZER NUTRIENT   | POUND | 310.9          |
| 25100105     | MULCH, METHOD 1   | ACRE  | 6.5            |
| 25100630     | EROSION CONTROL BLANKET   | SQ YD | 3,026          |
| 28000250     | TEMPORARY EROSION CONTROL SEEDING   | POUND | 760            |
| 28000305     | TEMPORARY DITCH CHECKS  | FOOT  | 84             |
| 28000400     | PERIMETER EROSION BARRIER   | FOOT  | 29,404         |
| 28000500     | INLET AND PIPE PROTECTION   | EACH  | 12             |
| 31101400     | SUBBASE GRANULAR MATERIAL, TYPE B 6"  | SQ YD | 6188           |
| 31101600     | SUBBASE GRANULAR MATERIAL, TYPE B 8"  | SQ YD | 5378           |
| 40600275     | BITUMINOUS MATERIALS (PRIME COAT)   | POUND | 30263          |
| 40603305     | HOT-MIX ASPHALT SURFACE COURSE MIX "C" N30  | TON   | 1748           |
| 40800050     | INCIDENTAL HOT-MIX ASPHALT SURFACING  | TON   | 21             |
| 42300400     | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH                                | SQ YD | 133            |
| 42400200     | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH  | SQ FT | 7065           |
| 42400800     | DETECTABLE WARNINGS   | SQ FT | 296            |
| 44000200     | DRIVEWAY PAVEMENT REMOVAL   | SQ YD | 135            |
| 44000500     | COMBINATION CURB AND GUTTER REMOVAL   | FOOT  | 96.5           |
| 44000600     | SIDEWALK REMOVAL  | SQ FT | 3522           |
| 48101500     | AGGREGATE SHOULDERS, TYPE B 6"  | SQ YD | 3342           |
| 60255500     | MANHOLES TO BE ADJUSTED   | EACH  | 5              |
| 60600605     | CONCRETE CURB, TYPE B   | FOOT  | 40             |
| 60603900     | COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (ABUTTING EXISTING PAVEMENT FOOT |       | 40             |

|            |   |       |        |
|------------|---|-------|--------|
| 60605100   | COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 (ABUTTING EXISTING PAVEMENT FOOT |       | 16.5   |
| 66400305   | CHAIN LINK FENCE, 6'  | FOOT  | 784    |
| 67100100   | MOBILIZATION  | L SUM | 1      |
| 70102625   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606                                   | L SUM | 1      |
| 70102630   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701601                                   | L SUM | 1      |
| 70102635   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701                                   | L SUM | 1      |
| 70102640   | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801                                   | L SUM | 1      |
| * 72000100 | SIGN PANEL -TYPE 1  | SQ FT | 258.99 |
| * 78000200 | THERMOPLASTIC PAVEMENT MARKING -LINE 4"   | FOOT  | 2353   |
| * 78000400 | THERMOPLASTIC PAVEMENT MARKING -LINE 6"   | FOOT  | 208    |
| * 78000600 | THERMOPLASTIC PAVEMENT MARKING -LINE 12"  | FOOT  | 533    |
| * 78000650 | THERMOPLASTIC PAVEMENT MARKING -LINE 24"  | FOOT  | 55     |
| * 81028360 | UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.   | FOOT  | 6      |
| * 87800100 | CONCRETE FOUNDATION, TYPE A   | FOOT  | 3      |
| * 89501150 | RELOCATE EXISTING TRAFFIC SIGNAL POST   | EACH  | 1      |
| 89502385   | REMOVE EXISTING CONCRETE FOUNDATION   | EACH  | 1      |
| X0325999   | TIMBER DECK REPLACEMENT   | L SUM | 1      |
| * X0327008 | REMOVE AND RELOCATE SIGN (SPECIAL)  | EACH  | 1      |
| X4201400   | BRIDGE APPROACH PAVEMENT (SPECIAL)  | SQ YD | 29     |
| X5091730   | BRIDGE FENCE RAILING (SPECIAL)  | FOOT  | 92     |
| * X7240300 | SIGN REMOVAL  | EACH  | 2      |
| Z0003850   | BENCHES   | EACH  | 1      |
| Z0003855   | BICYCLE RACKS   | EACH  | 1      |
| Z0013798   | CONSTRUCTION LAYOUT   | L SUM | 1      |
| Z0077900   | WOOD POST AND RAIL FENCE  | FOOT  | 56     |
| Z0048900   | RAILROAD TRACK REMOVAL  | FOOT  | 40     |

26

\* SPECIALTY ITEMS

FILE NAME = G:\2818\TRANS\SUB\282\DOAN\BURNHAM\_SUMMARY.dgn

|                        |                |           |
|------------------------|----------------|-----------|
| USER NAME = mjshak     | DESIGNED - MJK | REVISED - |
| DRAWN - MJK            | CHECKED - PJP  | REVISED - |
| PLOT SCALE = 1/8" = 1' | DATE - 3-15-11 | REVISED - |
| PLOT DATE = 3/12/2015  |                |           |



333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
BURNHAM GREENWAY TRAIL - SUMMARY OF QUANTITIES  
SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

|      |         |        |              |           |
|------|---------|--------|--------------|-----------|
| RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|      |         | COOK   | TO           | 3         |
|      |         |        | CONTRACT NO. | 46301     |



SCHEDULE OF QUANTITIES

|          |  |               |               |        |
|----------|--|---------------|---------------|--------|
| 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER)        |               |               |        |
| STATION  |  | LOCATION      |               | UNIT   |
| 170+87   |  | MULTI STEM RT |               | 26     |
| 213+20   |  | MULTI STEM RT |               | 18     |
| TOTAL    |  |               |               | 44     |
| 20100110 | TREE REMOVAL (OVER 15 UNITS DIAMETER)        |               |               |        |
| STATION  |  | LOCATION      |               | UNIT   |
| 170+73   |  | LT            |               | 16     |
| TOTAL    |  |               |               | 16     |
| 20100500 | TREE REMOVAL, ACRES                          |               |               |        |
| STATION  | TO STATION                                   | LOCATION      |               | ACRE   |
| 171+82   | 172+47                                       | Lt            |               | 0.03   |
| 213+50   | 216+48                                       | Lt            |               | 0.09   |
| TOTAL    |  |               |               | 0.12   |
| 20101100 | TREE TRUNK PROTECTION                        |               |               |        |
| STATION  |  | LOCATION      |               | EACH   |
| 208+41   |  | RT            |               | 1      |
| 208+53   |  | RT            |               | 1      |
| 208+69   |  | RT            |               | 1      |
| TOTAL    |  |               |               | 3      |
| 20200100 | EARTH EXCAVATION                             |               | (SEE SHEET 6) |        |
| 21001000 | GEOTECHNICAL FABRIC FOR GROUND STABILIZATION |               |               |        |
| STATION  | TO STATION                                   | LOCATION      |               | SQ YD  |
| 100+00   | 117+48.0                                     | SEGMENT 1B    |               | 2331   |
| 117+69.6 | 124+13.9                                     | SEGMENT 1B    |               | 873    |
| 124+41.9 | 130+80.9                                     | SEGMENT 1B    |               | 878    |
| 131+05.1 | 171+26.8                                     | SEGMENT 1B    |               | 5376   |
| 171+72.7 | 176+41.5                                     | SEGMENT 1B    |               | 625    |
| 200+00   | 208+92.6                                     | SEGMENT 1A    |               | 1191   |
| 209+08.7 | 209+30.7                                     | SEGMENT 1A    |               | 30     |
| 209+46.7 | 217+31.3                                     | SEGMENT 1A    |               | 1047   |
| 102+00   |  | Ent Lt        |               | 48     |
| 140+00   |  | Ent Rt        |               | 57     |
| 200+25   | 200+55                                       | Pad RT        |               | 68     |
| 213+14   |  | Pad LT        |               | 36     |
| TOTAL    |  |               |               | 12,560 |
| 21101625 | TOPSOIL FURNISH AND PLACE, 6"                |               |               |        |
| STATION  | TO STATION                                   | LOCATION      |               | SQ YD  |
| 84+10    | 90+20  | SEGMENT 1C    |               | 339    |
| 100+00   | 176+31                                       | SEGMENT 1B    |               | 5775   |
| 200+00   | 217+31                                       | SEGMENT 1A    |               | 1051   |
| TOTAL    |  |               |               | 7165   |
| 25000115 | SEEDING, CLASS 1B                            |               |               |        |
| STATION  | TO STATION                                   | LOCATION      |               | ACRE   |
| 100+00   | 176+31                                       | LT & RT       |               | 2.7    |
| 200+00   | 217+31                                       | LT & RT       |               | 0.6    |
| TOTAL    |  |               |               | 3.3    |
| 25200110 | SODDING, SALT TOLERANT                       |               |               |        |
| STATION  | TO STATION                                   | LOCATION      |               | SQ YD  |
| 84+10    | 90+20  | LT & RT       |               | 339    |
| TOTAL    |  |               |               | 339    |
| 25000400 | NITROGEN FERTILIZER NUTRIENT                 |               |               |        |
| STATION  | TO STATION                                   | LOCATION      |               | POUND  |
| 84+10    | 90+20  | LT & RT       |               | 13.9   |
| 100+00   | 176+31                                       | LT & RT       |               | 243.0  |
| 200+00   | 217+31                                       | LT & RT       |               | 54.0   |
| TOTAL    |  |               |               | 310.9  |
| 25000500 | PHOSPHORUS FERTILIZER NUTRIENT               |               |               |        |
| STATION  | TO STATION                                   | LOCATION      |               | POUND  |
| 84+10    | 90+20  | LT & RT       |               | 13.9   |
| 100+00   | 176+31                                       | LT & RT       |               | 243.0  |
| 200+00   | 217+31                                       | LT & RT       |               | 54.0   |
| TOTAL    |  |               |               | 310.9  |

|                     |  |           |  |        |
|---------------------|--|-----------|--|--------|
| 25000600            | POTASSIUM FERTILIZER NUTRIENT  |           |  |        |
| STATION             | TO STATION   | LOCATION  |  | POUND  |
| 84+10               | 90+20  | LT & RT   |  | 13.9   |
| 100+00              | 176+31   | LT & RT   |  | 243.0  |
| 200+00              | 217+31   | LT & RT   |  | 54.0   |
| TOTAL               |  |           |  | 310.9  |
| 25100105            | MULCH, METHOD 1<br>(Assumes 1 application for temp seed, 1 for final)                  |           |  |        |
| STATION             | TO STATION   | LOCATION  |  | ACRE   |
| 100+00              | 176+31   | LT & RT   |  | 5.3    |
| 200+00              | 217+31   | LT & RT   |  | 1.2    |
| TOTAL               |  |           |  | 6.5    |
| 25100630            | EROSION CONTROL BLANKET  |           |  |        |
| STATION             | TO STATION   | LOCATION  |  | SQ YD  |
| 168+00              | 175+00   | LT & RT   |  | 1576   |
| PATH REMOVAL 217+31 |  | LT        |  | 1450   |
| TOTAL               |  |           |  | 3026   |
| 28000250            | TEMPORARY EROSION CONTROL SEEDING  |           |  |        |
| STATION             | TO STATION   | LOCATION  |  | POUND  |
| ENTIRE PROJECT      |  | LT & RT   |  | 760    |
| TOTAL               |  |           |  | 760    |
| 28000305            | TEMPORARY DITCH CHECKS   |           |  |        |
| STATION             |  | LOCATION  |  | FOOT   |
| 168+00              |  | LT        |  | 12     |
| 168+50              |  | LT        |  | 12     |
| 169+00              |  | LT        |  | 12     |
| 169+50              |  | LT        |  | 12     |
| 170+00              |  | LT        |  | 12     |
| 170+50              |  | LT        |  | 12     |
| 171+00              |  | LT        |  | 12     |
| TOTAL               |  |           |  | 84     |
| 28000400            | PERIMETER EROSION BARRIER<br>(Calculations account for full replacement of silt fence) |           |  |        |
| STATION             | TO STATION   | LOCATION  |  | FOOT   |
| 100+00              | 146+00   | LT & RT   |  | 18400  |
| 146+00              | 168+00   | RT        |  | 4400   |
| 168+00              | 171+25.5   | LT & RT   |  | 1302   |
| 171+74              | 175+00   | LT & RT   |  | 1304   |
| 175+00              | 176+41   | RT        |  | 282    |
| 200+00              | 209+00   | LT        |  | 1800   |
| 209+50              | 217+31   | RT        |  | 1562   |
| PATH REMOVAL 217+31 |  | LT        |  | 130    |
| 132nd ST            |  | Connector |  | 224    |
| TOTAL               |  |           |  | 29,404 |
| 28000500            | INLET AND PIPE PROTECTION  |           |  |        |
| STATION             |  | LOCATION  |  | EACH   |
| 84+10               |  | Lt        |  | 2      |
| 85+18               |  | Lt        |  | 2      |
| 86+16               |  | Lt        |  | 2      |
| 87+17               |  | Lt        |  | 2      |
| 87+23               |  | Lt        |  | 2      |
| 176+41              |  | RT        |  | 2      |
| TOTAL               |  |           |  | 12     |
| 31101400            | SUBBASE GRANULAR MATERIAL, TYPE B 6"   |           |  |        |
| STATION             | TO STATION   | LOCATION  |  | SQ YD  |
| 84+10.1             | 86+46.7  | LT & RT   |  | 263    |
| 86+91.5             | 88+72.3  | LT & RT   |  | 201    |
| 88+99.0             | 90+19.6  | LT & RT   |  | 134    |
| 147+00              | 171+26.9   | LT & RT   |  | 2697   |
| 171+72.7            | 176+41.5   | LT & RT   |  | 521    |
| 200+00              | 208+92.6   | LT & RT   |  | 1191   |
| 209+08.7            | 209+30.7   | LT & RT   |  | 30     |
| 209+46.7            | 217+31.3   | LT & RT   |  | 1047   |
| 200+25              | 200+55   | RT        |  | 68     |
| 213+14              |  | LT        |  | 36     |
| TOTAL               |  |           |  | 6188   |
| 31101600            | SUBBASE GRANULAR MATERIAL, TYPE B 8"   |           |  |        |
| STATION             | TO STATION   | LOCATION  |  | SQ YD  |
| 100+00              | 117+48.0   | LT & RT   |  | 1943   |
| 117+69.6            | 124+13.9   | LT & RT   |  | 729    |
| 124+41.9            | 130+80.9   | LT & RT   |  | 736    |
| 131+05.1            | 147+00   | LT & RT   |  | 1786   |
| 102+00              |  | Ent Lt    |  | 48     |
| 140+00              |  | Ent Rt    |  | 57     |
| 132nd Street        |  | Connector |  | 79     |
| TOTAL               |  |           |  | 5378   |

|              |  |                       |  |       |
|--------------|--|-----------------------|--|-------|
| 40600275     | BITUMINOUS MATERIALS (PRIME COAT)                  |                       |  |       |
| STATION      | TO STATION   | LOCATION              |  | POUND |
| 100+00       | 117+43.0   | LT & RT               |  | 5752  |
| 117+74.4     | 123+96.5   | LT & RT               |  | 2053  |
| 124+60.4     | 130+61.3   | LT & RT               |  | 1983  |
| 131+24.6     | 147+00   | LT & RT               |  | 5199  |
| 147+00       | 171+16.9   | LT & RT               |  | 7976  |
| 171+82.7     | 176+41.5   | LT & RT               |  | 1514  |
| 200+00       | 208+87.6   | LT & RT               |  | 2913  |
| 209+13.7     | 209+25.7   | LT & RT               |  | 40    |
| 209+52.2     | 217+31.3   | LT & RT               |  | 2572  |
| 102+00       |  | Ent Lt                |  | 119   |
| 140+00       |  | Ent Rt                |  | 142   |
| TOTAL        |  |                       |  | 30263 |
| 40603305     | HOT-MIX ASPHALT SURFACE COURSE MIX "C" N30         |                       |  |       |
| STATION      | TO STATION   | LOCATION              |  | TON   |
| 100+00       | 117+43.0   | LT & RT               |  | 326   |
| 117+74.4     | 123+96.5   | LT & RT               |  | 120   |
| 124+60.4     | 130+61.3   | LT & RT               |  | 115   |
| 131+24.6     | 147+00   | LT & RT               |  | 302   |
| 147+00       | 171+16.9   | LT & RT               |  | 463   |
| 171+82.7     | 176+41.5   | LT & RT               |  | 88    |
| 200+05       | 208+87.6   | LT & RT               |  | 169   |
| 209+13.7     | 209+25.7   | LT & RT               |  | 3     |
| 209+52.2     | 217+31.3   | LT & RT               |  | 150   |
| 132nd Street |  | Connector             |  | 12    |
| TOTAL        |  |                       |  | 1748  |
| 40800050     | INCIDENTAL HOT-MIX ASPHALT SURFACING               |                       |  |       |
| STATION      | TO STATION   | LOCATION              |  | TON   |
| 100+00       |  | Flare Lt & Rt         |  | 1     |
| 102+00       |  | Ent Lt                |  | 7     |
| 137+56.8     |  | Flare N & S           |  | 1     |
| 140+00       |  | Ent Rt                |  | 9     |
| 171+16.9     |  | Flare Lt & Rt         |  | 1     |
| 171+82.7     |  | Flare Lt & Rt         |  | 1     |
| 176+41       |  | Flare Lt & Rt         |  | 1     |
| TOTAL        |  |                       |  | 21    |
| 42300400     | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH |                       |  |       |
| STATION      |  | LOCATION              |  | SQ YD |
| 86+77        |  | BK Entrance           |  | 63    |
| 88+84        |  | Metra Entrance        |  | 70    |
| TOTAL        |  |                       |  | 133   |
| 42400200     | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH           |                       |  |       |
| STATION      | TO STATION   | LOCATION              |  | SQ FT |
| 84+10        | 86+59  | SEGMENT 1C            |  | 2023  |
| 86+92        | 88+72  | SEGMENT 1C            |  | 1444  |
| 88+99        | 90+20  | SEGMENT 1C            |  | 1088  |
| 117+43       | 117+48   | 135th(S Flare)        |  | 60    |
| 117+69       | 117+74   | 135th(N Flare)        |  | 60    |
| 123+98       | 124+02   | 134th (S SW)          |  | 120   |
| 124+02       | 124+14   | 134nd (S Flare)       |  | 174   |
| 124+42       | 124+55   | 134rd(N Flare)        |  | 193   |
| 124+55       | 124+60   | 134th (N SW)          |  | 120   |
| 130+61       | 130+67   | 133rd (S SW)          |  | 120   |
| 130+67       | 130+81   | 133rd (S Flare)       |  | 208   |
| 131+05       | 131+19   | 133rd (N Flare)       |  | 205   |
| 137+50       | 137+60   | 132nd (RT)            |  | 72    |
| 200+00       | 200+05   | 126th (Flare)         |  | 73    |
| 200+25       | 200+55   | RT (Pad)              |  | 584   |
| 208+87       | 208+93   | EB Wolf Lake Blvd pad |  | 55    |
| 209+07       | 209+14   | EB Wolf Lake Blvd pad |  | 55    |
| 209+25       | 209+31   | WB Wolf Lake Blvd pad |  | 55    |
| 209+46       | 209+52   | WB Wolf Lake Blvd pad |  | 55    |
| 213+14       |  | LT (RR SW)            |  | 301   |
| TOTAL        |  |                       |  | 7065  |

|          |                                     |                       |  |       |
|----------|-------------------------------------|-----------------------|--|-------|
| 42400800 | DETECTABLE WARNINGS                 |                       |  |       |
| STATION  | TO STATION                          | LOCATION              |  | SQ FT |
| 84+10    |                                     | S Ave "O" / Brainard  |  | 14    |
| 86+58    |                                     | BK Ent                |  | 14    |
| 86+95    |                                     | BK Ent                |  | 14    |
| 88+70    |                                     | Metra Ent             |  | 14    |
| 89+03    |                                     | Metra Ent             |  | 14    |
| 117+46   |                                     | 135th(S Flare)        |  | 18    |
| 117+71   |                                     | 135th(N Flare)        |  | 18    |
| 124+13   |                                     | 134nd (S Flare)       |  | 20    |
| 124+43   |                                     | 134rd(N Flare)        |  | 20    |
| 130+79   |                                     | 133rd (S Flare)       |  | 20    |
| 137+55   |                                     | 132nd Rt              |  | 20    |
| 131+07   |                                     | 133rd (N Flare)       |  | 20    |
| 202+00   |                                     | 126th (Flare)         |  | 18    |
| 208+90   |                                     | EB Wolf Lake Blvd pad |  | 18    |
| 209+11   |                                     | EB Wolf Lake Blvd pad |  | 18    |
| 209+28   |                                     | WB Wolf Lake Blvd pad |  | 18    |
| 209+49   |                                     | WB Wolf Lake Blvd pad |  | 18    |
| TOTAL    |                                     |                       |  | 296   |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL           |                       |  |       |
| STATION  |                                     | LOCATION              |  | SQ YD |
| 86+77    |                                     | BK Entrance           |  | 64    |
| 88+84    |                                     | Metra Entrance        |  | 71    |
| TOTAL    |                                     |                       |  | 135   |
| 44000500 | COMBINATION CURB AND GUTTER REMOVAL |                       |  |       |
| STATION  |                                     | LOCATION              |  | FOOT  |
| 84+10.16 |                                     | S.Ave."O" / Brainard  |  | 16.5  |
| 86+60    |                                     | BK Entrance           |  | 20    |
| 86+91    |                                     | BK Entrance           |  | 20    |
| 124+15   |                                     | 134th St (South)      |  | 20    |
| 124+41   |                                     | 134th St (North)      |  | 20    |
| TOTAL    |                                     |                       |  | 96.5  |
| 44000600 | SIDEWALK REMOVAL                    |                       |  |       |
| STATION  | TO STATION                          | LOCATION              |  | SQ FT |
| 84+10    | 86+59                               | SEGMENT 1C            |  | 1271  |
| 86+92    | 88+72                               | SEGMENT 1C            |  | 1002  |
| 88+99    | 90+20                               | SEGMENT 1C            |  | 781   |
| 123+98   | 124+02                              | 134th (S SW)          |  | 117.0 |
| 124+55   | 124+60                              | 134th (N SW)          |  | 116.0 |
| 130+61   | 130+67                              | 133rd (S SW)          |  | 116.0 |
| 131+19   | 131+25</                            |                       |  |       |



SCHEDULE OF QUANTITIES

| 66400305 CHAIN LINK FENCE, 6' |          |      |  |
|-------------------------------|----------|------|--|
| STATION                       | LOCATION | FOOT |  |
| 100+90                        | LT       | 56   |  |
| 100+90                        | RT       | 56   |  |
| 105+50                        | LT       | 56   |  |
| 105+50                        | RT       | 56   |  |
| 112+10                        | LT       | 56   |  |
| 112+10                        | RT       | 56   |  |
| 118+65                        | LT       | 56   |  |
| 118+65                        | RT       | 56   |  |
| 125+30                        | LT       | 56   |  |
| 125+30                        | RT       | 56   |  |
| 131+95                        | LT       | 56   |  |
| 131+95                        | RT       | 56   |  |
| 138+90                        | LT       | 56   |  |
| 138+90                        | RT       | 56   |  |
| TOTAL                         |          | 784  |  |

| 72000100 SIGN PANEL -TYPE 1 |               |                     |        |
|-----------------------------|---------------|---------------------|--------|
| STATION                     | LOCATION      | SIGN TYPE           | SQ FT  |
| 89+65                       | RT            | M4-11, D11-1, M7-1  | 4.08   |
| 90+08                       | LT            | "Walk Bike"         | 3      |
| 100+12                      | LT            | R1-1                | 2.25   |
| 100+14                      | RT            | W1-5L, M4-11, D11-1 | 5.58   |
| 101+05                      | LT            | W3-1A, M4-12, D11-1 | 5.58   |
| 106+18                      | LT            | W1-5L               | 2.25   |
| 116+50                      | RT            | W3-1A               | 2.25   |
| 117+38                      | RT            | R1-1                | 2.25   |
| 117+40                      | LT            | R5-3                | 4      |
| 117+40                      | 135TH EB      | W11-1 & W16-7p      | 8.25   |
| 117+40                      | 250' LT       | W11-1               | 6.25   |
| 117+75                      | LT            | R1-1                | 2.25   |
| 117+75                      | 250' RT       | W11-1               | 6.25   |
| 117+76                      | RT            | R5-3                | 4      |
| 117+76                      | 135TH WB      | W11-1 & W16-7p      | 8.25   |
| 119+00                      | LT            | W3-1A               | 2.25   |
| 123+15                      | RT            | W3-1A               | 3.25   |
| 124+07                      | RT            | R1-1                | 2.25   |
| 124+08                      | LT            | R5-3                | 4      |
| 124+08                      | 134TH EB      | W11-1 & W16-7p      | 8.25   |
| 124+08                      | 250' LT       | W11-1               | 6.25   |
| 124+47                      | LT            | R1-1                | 2.25   |
| 124+47                      | 250' RT       | W11-1               | 6.25   |
| 124+47                      | RT            | R5-3                | 4      |
| 124+47                      | 134TH WB      | W11-1 & W16-7p      | 8.25   |
| 125+62                      | LT            | W3-1A               | 2.25   |
| 129+82                      | RT            | W3-1A               | 2.25   |
| 130+75                      | RT            | R1-1                | 2.25   |
| 130+75                      | LT            | R5-3                | 4      |
| 130+75                      | 133RD EB      | W11-1 & W16-7p      | 8.25   |
| 130+75                      | 250' LT       | W11-1               | 6.25   |
| 131+14                      | LT            | R1-1                | 2.25   |
| 131+14                      | RT            | R5-3                | 4      |
| 131+14                      | 250' RT       | W11-1               | 6.25   |
| 131+14                      | 133RD WB      | W11-1 & W16-7p      | 8.25   |
| 132+29                      | LT            | W3-1A               | 2.25   |
| 137+46                      | 60' RT        | R1-1                | 2.25   |
| 137+66                      | 15' RT        | R1-1                | 2.25   |
| 137+36                      | 132ND ENT     | R5-3                | 4      |
| 137+76                      | 132ND ENT     | W11-1               | 8.25   |
| 137+76                      | 132ND ENT     | M7-5                | 0.75   |
| 137+76                      | 132ND ENT     | R5-3                | 4      |
| 137+77                      | 230' RT       | W11-1               | 8.25   |
| 141+55                      | RT            | R5-3                | 4      |
| 175+41                      | RT            | W3-1A               | 3.25   |
| 176+35                      | RT            | R1-1, D11-1, M7-1   | 6      |
| 176+35                      | LT            | R5-3                | 4      |
| 126th St                    | W of S. Ave O | D11-1 & M7-2        | 3.75   |
| 126th St                    | E of S. Ave O | D11-1 & M7-2        | 3.75   |
| 200+05                      | RT            | R5-3, D11-1, M7-2   | 7.75   |
| 200+20                      | LT            | R1-1                | 2.25   |
| 208+87                      | RT, LT        | R1-1, R5-3          | 6.25   |
| 208+87                      | WOLF LAKE     | W11-1 & W16-7p      | 8.25   |
| 209+52                      | LT, RT        | R1-1, R5-3          | 6.25   |
| 209+52                      | WOLF LAKE     | W11-1 & W16-7p      | 8.25   |
| 216+84                      | LT            | D11-1 & M7-1        | 3.75   |
| TOTAL                       |               |                     | 258.99 |

| 78000200 THERMOPLASTIC PAVEMENT MARKING -LINE 4" |            |               |      |
|--|------------|---------------|------|
| STATION  | TO STATION | LOCATION      | FOOT |
| 100+00   | 101+35     | CTR SOLID (Y) | 135  |
| 101+35   | 116+13     | CTR DASH (Y)  | 165  |
| 116+13   | 117+48     | CTR SOLID (Y) | 135  |
| 117+70   | 119+05     | CENTER SOLID  | 135  |
| 119+05   | 122+61     | CTR DASH (Y)  | 40   |
| 122+61   | 123+96     | CENTER SOLID  | 135  |
| 124+55   | 125+90     | CENTER SOLID  | 135  |
| 125+90   | 129+26     | CTR DASH (Y)  | 38   |
| 129+26   | 130+61     | CENTER SOLID  | 135  |
| 132+25   | 133+60     | CENTER SOLID  | 135  |
| 133+60   | 175+06     | CTR DASH (Y)  | 461  |
| 175+06   | 176+41     | CENTER SOLID  | 135  |
| 200+00   | 201+35     | CENTER SOLID  | 135  |
| 201+35   | 207+58     | CTR DASH (Y)  | 70   |
| 207+58   | 208+93     | CENTER SOLID  | 135  |
| 209+09   | 209+30     | CENTER SOLID  | 21   |
| 209+47   | 210+82     | CENTER SOLID  | 135  |
| 210+82   | 217+31     | CENTER DASH   | 73   |
| TOTAL  |            |               | 2353 |

| 78000400 THERMOPLASTIC PAVEMENT MARKING -LINE 6" |            |                |      |
|--|------------|----------------|------|
| STATION  | TO STATION | LOCATION       | FOOT |
| 117+48   | 117+70     | CROSSWALK EDGE | 44   |
| 124+15   | 124+41     | CROSSWALK EDGE | 52   |
| 130+81   | 131+05     | CROSSWALK EDGE | 48   |
| 208+93   | 209+09     | CROSSWALK EDGE | 32   |
| 209+30   | 209+47     | CROSSWALK EDGE | 32   |
| TOTAL  |            |                | 208  |

| 78000600 THERMOPLASTIC PAVEMENT MARKING -LINE 12" |            |                |      |
|---|------------|----------------|------|
| STATION   | TO STATION | LOCATION       | FOOT |
| 117+48  | 117+70     | WHITE DIAGONAL | 101  |
| 124+15  | 124+41     | WHITE DIAGONAL | 135  |
| 130+81  | 131+05     | WHITE DIAGONAL | 127  |
| 208+93  | 209+09     | WHITE DIAGONAL | 85   |
| 209+30  | 209+47     | WHITE DIAGONAL | 85   |
| TOTAL   |            |                | 533  |

| 78000650 THERMOPLASTIC PAVEMENT MARKING -LINE 24" |            |          |      |
|---|------------|----------|------|
| STATION   | TO STATION | LOCATION | FOOT |
| 100+00  |            | LT       | 5    |
| 117+40  |            | RT       | 5    |
| 117+76  |            | LT       | 5    |
| 124+00  |            | RT       | 5    |
| 124+65  |            | LT       | 5    |
| 130+75  |            | RT       | 5    |
| 131+10  |            | LT       | 5    |
| 176+27  |            | RT       | 5    |
| 200+10  |            | LT       | 5    |
| 208+87  |            | RT       | 5    |
| 209+52  |            | LT       | 5    |
| TOTAL   |            |          | 55   |

| 81028360 UNDERGROUND CONDUIT, PVC, 2 1/2" DIA. |          |      |
|--|----------|------|
| STATION  | LOCATION | FOOT |
| 84+10  | RT       | 6    |
| TOTAL  |          | 6    |

| 87800100 CONCRETE FOUNDATION, TYPE A |          |      |
|--------------------------------------|----------|------|
| STATION                              | LOCATION | FOOT |
| 84+10                                | RT       | 3    |
| TOTAL                                |          | 3    |

| 89501150 RELOCATE EXISTING TRAFFIC SIGNAL POST |          |      |
|--|----------|------|
| STATION  | LOCATION | EACH |
| 84+10  | RT       | 1    |
| TOTAL  |          | 1    |

| 89502385 REMOVE EXISTING CONCRETE FOUNDATION |          |      |
|--|----------|------|
| STATION                                      | LOCATION | EACH |
| 84+10  | RT       | 1    |
| TOTAL  |          | 1    |

| X0327008 REMOVE AND RELOCATE SIGN (SPECIAL) |          |      |
|---|----------|------|
| STATION                                     | LOCATION | EACH |
| 216+50                                      | LT       | 1    |
| TOTAL                                       |          | 1    |

| X4201400 BRIDGE APPROACH PAVEMENT (SPECIAL) |            |            |       |
|---|------------|------------|-------|
| STATION                                     | TO STATION | LOCATION   | SQ YD |
| 171+16.8                                    | 171+26.6   | S Approach | 14.5  |
| 171+72.8                                    | 171+82.8   | N Approach | 14.5  |
| TOTAL                                       |            |            | 29    |

| X7240300 SIGN REMOVAL |                |      |  |
|-----------------------|----------------|------|--|
| STATION               | LOCATION       | EACH |  |
| 216+00                | S Side Ave "O" | 1    |  |
| 216+30                | 34' LT         | 1    |  |
| TOTAL                 |                | 2    |  |

| Z0003850 BENCHES |          |      |  |
|------------------|----------|------|--|
| STATION          | LOCATION | EACH |  |
| 200+54           | 14' RT   | 1    |  |
| TOTAL            |          | 1    |  |

| Z0003855 BICYCLE RACKS |          |      |  |
|------------------------|----------|------|--|
| STATION                | LOCATION | EACH |  |
| 213+12                 | 21' LT   | 1    |  |
| TOTAL                  |          | 1    |  |

| Z0048900 RAILROAD TRACK REMOVAL |          |      |  |
|---------------------------------|----------|------|--|
| STATION                         | LOCATION | FOOT |  |
| 115+60                          |          | 40   |  |
| TOTAL                           |          | 40   |  |

FILE NAME = G:\2010\TRANS\BURNHAM\BURNHAM\_SCHEDULE.E.dgn

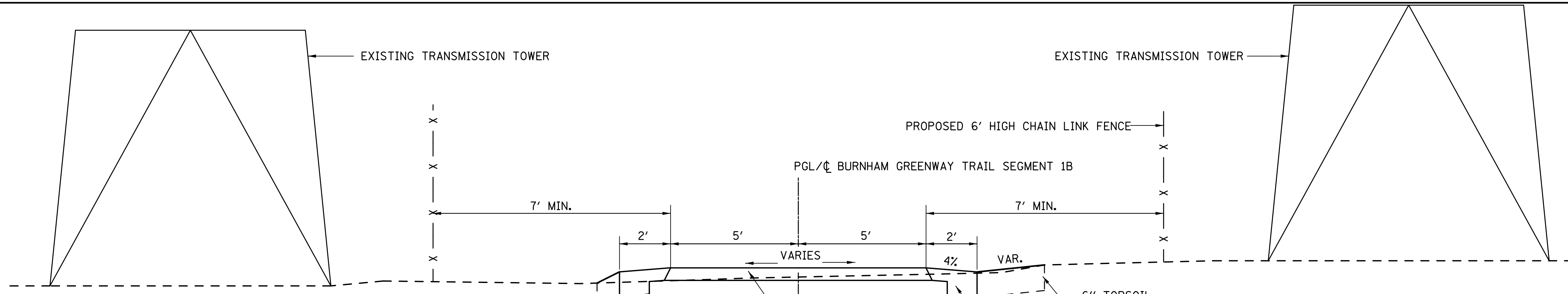
|                            |                |           |
|----------------------------|----------------|-----------|
| USER NAME = mikek          | DESIGNED - MJK | REVISED - |
| PLOT SCALE = 10.000' / in. | CHECKED - PJP  | REVISED - |
| PLOT DATE = 3/12/2015      | DATE - 3-15-11 | REVISED - |



333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

|  |                         |      |         |        |              |           |
|--|-------------------------|------|---------|--------|--------------|-----------|
| <b>ILLINOIS DEPARTMENT OF NATURAL RESOURCES</b>        |                         | RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| <b>BURNHAM GREENWAY TRAIL - SCHEDULE OF QUANTITIES</b> |                         |      |         | COOK   | 70           | 5         |
| SCALE:   | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA. |        |              |           |

|                    |         |        |              |           |
|--------------------|---------|--------|--------------|-----------|
| RTE.               | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                    |         | COOK   | 70           | 5         |
| CONTRACT NO. 46301 |         |        |              |           |



\*THE COST OF THIS ADDITIONAL 1' OF SUB BASE GRANULAR MATERIAL, TYPE B SHALL BE INCIDENTAL TO THE COST OF AGGREGATE SHOULDERS, TYPE B 6"

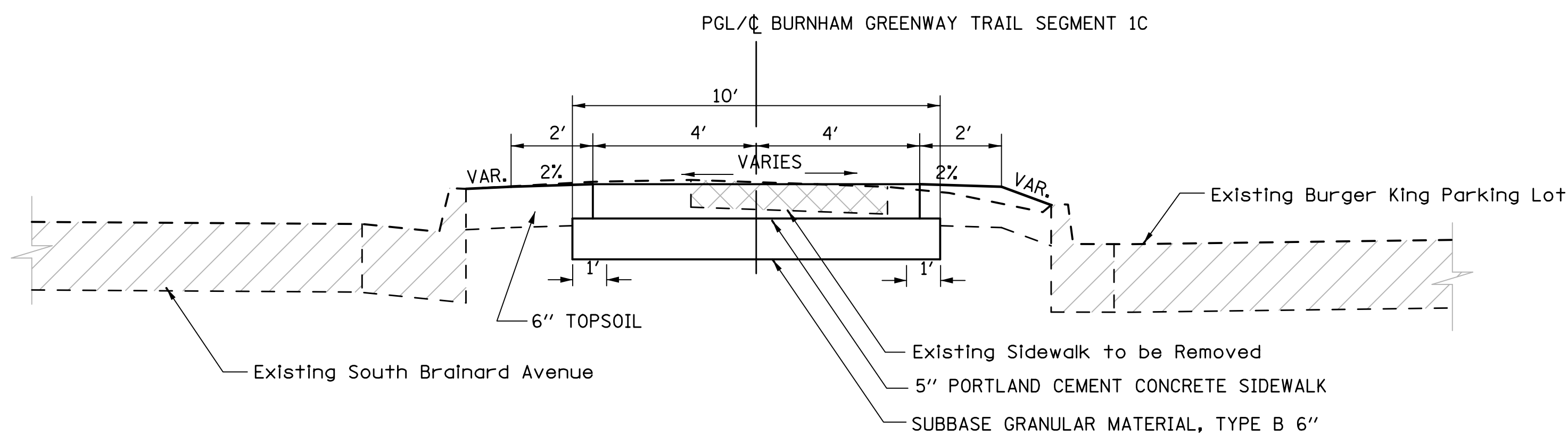
HMA Mixture Requirements

|  |                                       |
|--|---------------------------------------|
| Location(s):                             | Bike Path / various                   |
| Mixture Use(s):                          | Surface Course / Incidental Surfacing |
| PG:                                      | PG58-28                               |
| Design Air Voids:                        | 4.0% @ N30 (Note 1)                   |
| Mixture Composition: (Mixture Gradation) | IL-9.5                                |
| Friction Aggregate:                      | Mix C                                 |
| Mixture Weight:                          | 112 lbs. / sq. yd. / in.              |
| Quality Management Program:              | QC/QA                                 |

Note 1: See special provisions for information regarding HMA production.

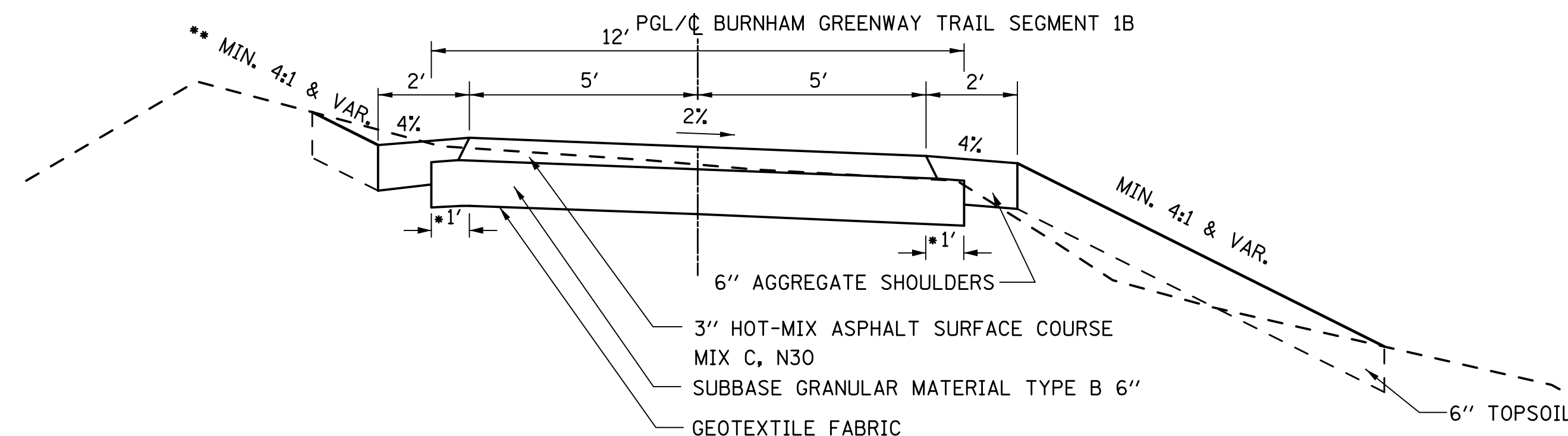
**PROPOSED TYPICAL TOWER SECTION**

BURNHAM GREENWAY TRAIL SEGMENT 1B  
 STA 100+90±, STA 105+50±, STA 112+10±, STA 118+65±,  
 STA 125+30±, STA 131+95±, STA 138+90±



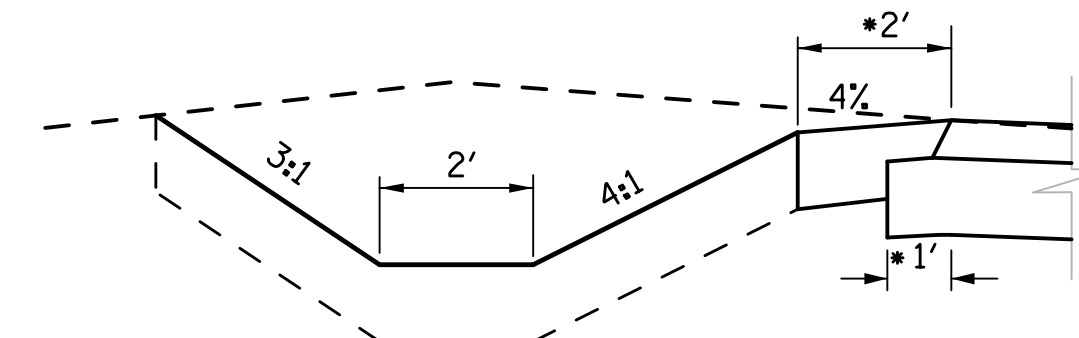
**8' CONCRETE SIDEWALK  
 PROPOSED TYPICAL SECTION**

BURNHAM GREENWAY TRAIL SEGMENT 1C  
 STA 84+10.16 - STA 90+19.61



\*THE COST OF THIS ADDITIONAL 1' OF SUB BASE GRANULAR MATERIAL, TYPE B SHALL BE INCIDENTAL TO THE COST OF AGGREGATE SHOULDERS, TYPE B 6"

\*\* SPECIAL DITCH  
 STA 168+00.00 - STA 170+50.00 LT.

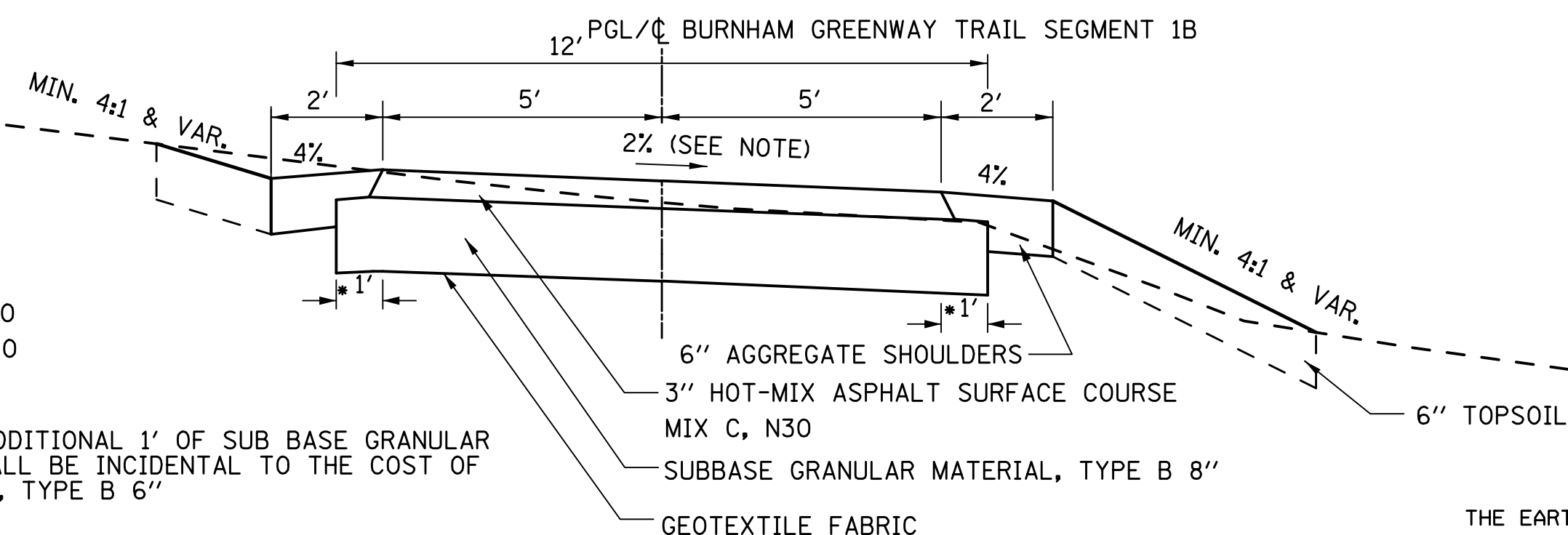


**PROPOSED TYPICAL SECTION**

BURNHAM GREENWAY TRAIL SEGMENT 1B  
 HMA REGULAR DUTY  
 STA 147+00.00 - STA 176+41.54

NOTE:  
 CROSS SLOPE REVERSED  
 STA. 112+00 - STA. 116+50  
 STA. 118+50 - STA. 123+50

\*THE COST OF THIS ADDITIONAL 1' OF SUB BASE GRANULAR MATERIAL, TYPE B SHALL BE INCIDENTAL TO THE COST OF AGGREGATE SHOULDERS, TYPE B 6"



**PROPOSED TYPICAL SECTION**

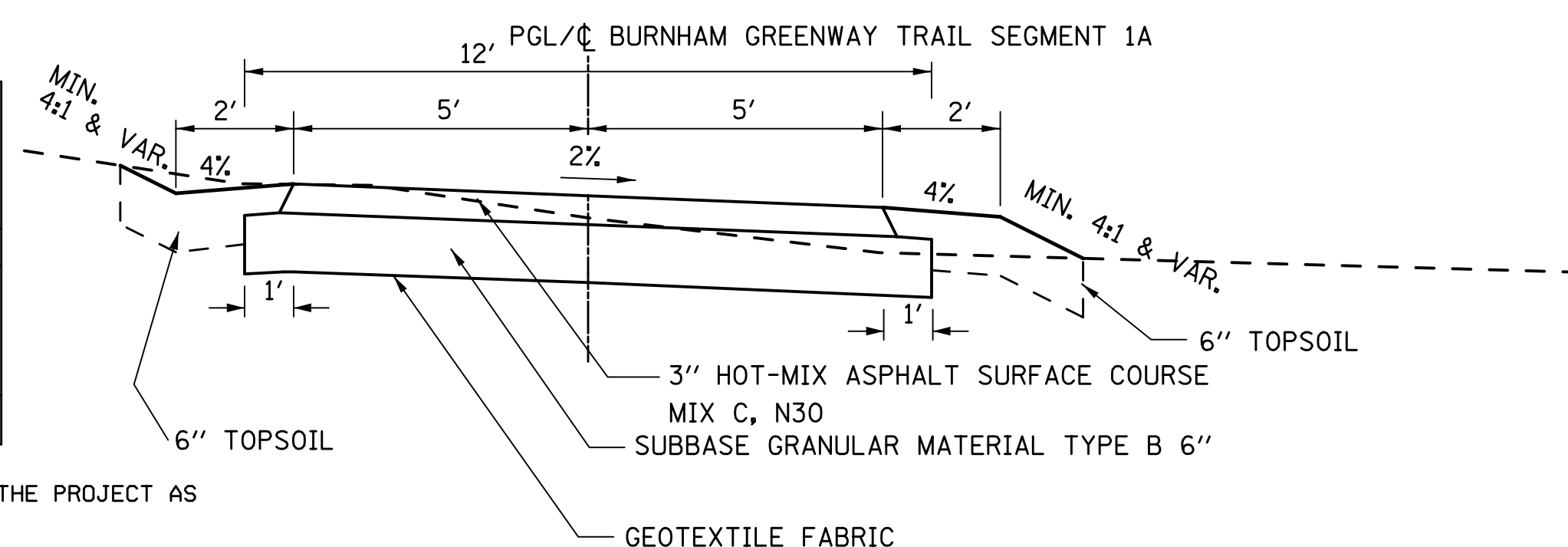
BURNHAM GREENWAY TRAIL SEGMENT 1B  
 HMA HEAVY DUTY PAVEMENT  
 STA 100+00.00 - STA 147+00.00

THE EARTH EXCAVATION QUANTITY ABOVE INCLUDES THE REMOVAL OF TOPSOIL THROUGHOUT THE PROJECT AS SHOWN IN THE CROSS SECTIONS AND DESCRIBED IN THE SPECIAL PROVISIONS.

TOPSOIL FURNISH AND PLACE FOR THIS PROJECT INCLUDES THE PLACEMENT OF SALVAGED TOPSOIL WITHIN THE CONSTRUCTION LIMITS ONSITE AS WELL AS TOPSOIL WHICH MUST BE IMPORTED FROM OFFSITE.

**EARTH WORK SCHEDULE**

| LOCATION                   | EARTH EXCAVATION | EARTH EXCAVATION ADJ. FOR SHRINKAGE | EMBANKMENT | EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) |
|----------------------------|------------------|-------------------------------------|------------|---|
|                            | CUBIC YARD       | CUBIC YARD                          | CUBIC YARD | CUBIC YARD                                  |
| SEGMENT 1C (84+10 - 90+20) | 181              | 136                                 | 1          | 135   |
| SEGMENT 1B (100+00-176+41) | 2983             | 2238                                | 741        | 1497  |
| SEGMENT 1A (200+00-217+31) | 541              | 406                                 | 2          | 404   |
| <b>TOTAL</b>               | <b>3705</b>      | <b>2780</b>                         | <b>744</b> | <b>2036</b>                                 |



**WILLIAM POWERS CONSERVATION AREA  
 PROPOSED TYPICAL SECTION**

BURNHAM GREENWAY TRAIL SEGMENT 1A  
 HMA REGULAR DUTY  
 STA 200+00.00 - STA 217+31.33

FILE NAME = G:\2010\TRANS\BURNHAM\BURNHAM\_TYPICAL\_sphases2.dgn

|                             |                |           |
|-----------------------------|----------------|-----------|
| USER NAME = mikek           | DESIGNED - MJK | REVISED - |
|                             | DRAWN - MJK    | REVISED - |
| PLOT SCALE = 50.0000' / in. | CHECKED - FJH  | REVISED - |
| PLOT DATE = 3/11/2015       | DATE - 1-14-11 | REVISED - |



333 East State Street, Box 4327  
 Rockford, Illinois 6110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

|      |         |        |                    |           |
|------|---------|--------|--------------------|-----------|
| RTE. | SECTION | COUNTY | TOTAL SHEETS       | SHEET NO. |
|      |         | COOK   | 70                 | 6         |
|      |         |        | CONTRACT NO. 46301 |           |



BRAINARD ALIGNMENT STA 84+10.16 - 90+11.61

P.I. Station 84+28.42 N 1,813,928.9603 E 1,201,035.1486  
 Delta = 55° 41' 20.93" (RT)  
 Degree = 165° 47' 11.04"  
 Tangent = 18.2558  
 Length = 33.5909  
 Radius = 34.5600  
 External = 4.5254  
 Long Chord = 32.2842  
 Mid. Ord. = 4.0014  
 P.C. Station 84+10.16 N 1,813,932.6547 E 1,201,053.0266  
 P.T. Station 84+43.75 N 1,813,941.6450 E 1,201,022.0195  
 C.C. N 1,813,966.4997 E 1,201,046.0328  
 Back = S 78° 19' 28.19" W  
 Ahead = N 45° 59' 10.88" W  
 Chord Bear = N 73° 49' 51.35" W  
 Point 71 N 1,813,941.6450 E 1,201,022.0195 Sta 84+43.75  
 Course from 71 to 72 N 50° 39' 31.93" W Dist 16.1482  
 Point 72 N 1,813,951.8819 E 1,201,009.5307 Sta 84+59.90  
 Course from 72 to 73 N 46° 05' 15.51" W Dist 193.8527  
 Point 73 N 1,814,086.3298 E 1,200,869.8789 Sta 86+53.75  
 Course from 73 to 74 N 44° 25' 23.18" W Dist 289.4871  
 Point 74 N 1,814,293.0788 E 1,200,667.2520 Sta 89+43.24  
 Course from 74 to 75 N 44° 16' 43.18" W Dist 76.3664  
 Point 75 N 1,814,347.7535 E 1,200,613.9369 Sta 90+19.61  
 =====  
 Ending chain BRAINARD ALIGNMENT STA 84+10.16 - 90+19.61

Curve BUR-2  
 P.I. Station 101+98.59 N 1,814,515.1895 E 1,200,635.4225  
 Delta = 39° 35' 06.15" (RT)  
 Degree = 63° 39' 43.12"  
 Tangent = 32.3887  
 Length = 62.1800  
 Radius = 90.0000  
 External = 5.6506  
 Long Chord = 60.9507  
 Mid. Ord. = 5.3168  
 P.C. Station 101+66.20 N 1,814,490.4158 E 1,200,656.2862  
 P.T. Station 102+28.38 N 1,814,547.5769 E 1,200,635.1296  
 C.C. N 1,814,548.3907 E 1,200,725.1259  
 Back = N 40° 06' 11.36" W  
 Ahead = N 0° 31' 05.21" W  
 Chord Bear = N 20° 18' 38.28" W

Course from PT BUR-2 to PC BUR-3 N 0° 31' 05.21" W Dist 55.7986

Curve Data  
 -----

Curve BUR-3  
 P.I. Station 103+21.09 N 1,814,640.2838 E 1,200,634.2913  
 Delta = 16° 47' 52.43" (LT)  
 Degree = 22° 55' 05.92"  
 Tangent = 36.9121  
 Length = 73.2947  
 Radius = 250.0000  
 External = 2.7103  
 Long Chord = 73.0324  
 Mid. Ord. = 2.6812  
 P.C. Station 102+84.18 N 1,814,603.3732 E 1,200,634.6250  
 P.T. Station 103+57.47 N 1,814,675.5230 E 1,200,623.3047  
 C.C. N 1,814,601.1126 E 1,200,384.6353  
 Back = N 0° 31' 05.21" W  
 Ahead = N 17° 18' 57.64" W  
 Chord Bear = N 8° 55' 01.42" W

Course from PT BUR-3 to PC BUR-4 N 17° 18' 57.64" W Dist 16.2002

Curve Data  
 -----

Curve BUR-4  
 P.I. Station 104+30.08 N 1,814,744.8390 E 1,200,601.6939  
 Delta = 58° 51' 06.14" (RT)  
 Degree = 57° 17' 44.81"  
 Tangent = 56.4066  
 Length = 102.7156  
 Radius = 100.0000  
 External = 14.8116  
 Long Chord = 98.2594  
 Mid. Ord. = 12.9008  
 P.C. Station 103+73.67 N 1,814,690.9889 E 1,200,618.4828  
 P.T. Station 104+76.39 N 1,814,787.0617 E 1,200,639.0963  
 C.C. N 1,814,720.7531 E 1,200,713.9506  
 Back = N 17° 18' 57.64" W  
 Ahead = N 41° 32' 08.50" E  
 Chord Bear = N 12° 06' 35.43" E

Course from PT BUR-4 to PC BUR-5 N 41° 32' 08.50" E Dist 18.1341

Curve Data  
 -----

Curve BUR-5  
 P.I. Station 105+33.12 N 1,814,829.5266 E 1,200,676.7133  
 Delta = 42° 12' 33.01" (LT)  
 Degree = 57° 17' 44.81"  
 Tangent = 38.5960  
 Length = 73.6689  
 Radius = 100.0000  
 External = 7.1898  
 Long Chord = 72.0143  
 Mid. Ord. = 6.7075  
 P.C. Station 104+94.52 N 1,814,800.6359 E 1,200,651.1208  
 P.T. Station 105+68.19 N 1,814,868.1199 E 1,200,676.2596  
 C.C. N 1,814,866.9445 E 1,200,576.2665  
 Back = N 41° 32' 08.50" E  
 Ahead = N 0° 40' 24.51" W  
 Chord Bear = N 20° 25' 52.00" E

Course from PT BUR-5 to PC BUR-5A N 0° 40' 25.45" W Dist 131.8079

Curve Data  
 -----

Curve BUR-5A  
 P.I. Station 107+75.52 N 1,815,075.4344 E 1,200,673.8217  
 Delta = 9° 31' 38.22" (LT)  
 Degree = 6° 19' 20.25"  
 Tangent = 75.5208  
 Length = 150.6935  
 Radius = 906.2500  
 External = 3.1413  
 Long Chord = 150.5199  
 Mid. Ord. = 3.1304  
 P.C. Station 107+00.00 N 1,814,999.9187 E 1,200,674.7097  
 P.T. Station 108+50.69 N 1,815,149.7614 E 1,200,660.4468  
 C.C. N 1,814,989.2625 E 1,199,768.5224  
 Back = N 0° 40' 25.45" W  
 Ahead = N 10° 12' 03.67" W  
 Chord Bear = N 5° 26' 14.56" W

Curve Data  
 -----

Curve BUR-5B  
 P.I. Station 109+26.21 N 1,815,224.0890 E 1,200,647.0718  
 Delta = 9° 31' 38.49" (RT)  
 Degree = 6° 19' 20.25"  
 Tangent = 75.5214  
 Length = 150.6947  
 Radius = 906.2500  
 External = 3.1413  
 Long Chord = 150.5211  
 Mid. Ord. = 3.1305  
 P.C. Station 108+50.69 N 1,815,149.7614 E 1,200,660.4468  
 P.T. Station 110+01.39 N 1,815,299.6052 E 1,200,646.1838  
 C.C. N 1,815,310.2603 E 1,201,552.3712  
 Back = N 10° 12' 03.67" W  
 Ahead = N 0° 40' 25.18" W  
 Chord Bear = N 5° 26' 14.43" W

Course from PT BUR-5B to PC BUR-5C N 0° 40' 25.45" W Dist 79.9648

Curve Data  
 -----

Curve BUR-5C  
 P.I. Station 111+21.53 N 1,815,419.7400 E 1,200,644.7711  
 Delta = 18° 15' 36.81" (RT)  
 Degree = 22° 55' 05.92"  
 Tangent = 40.1783  
 Length = 79.6753  
 Radius = 250.0000  
 External = 3.2080  
 Long Chord = 79.3385  
 Mid. Ord. = 3.1674  
 P.C. Station 110+81.35 N 1,815,379.5645 E 1,200,645.2436  
 P.T. Station 111+61.03 N 1,815,458.0405 E 1,200,656.9108  
 C.C. N 1,815,382.5042 E 1,200,895.2263  
 Back = N 0° 40' 25.45" W  
 Ahead = N 17° 35' 11.36" E  
 Chord Bear = N 8° 27' 22.96" E

Curve Data  
 -----

Curve BUR-5D  
 P.I. Station 112+00.40 N 1,815,495.5758 E 1,200,668.8080  
 Delta = 17° 54' 05.13" (LT)  
 Degree = 22° 55' 05.92"  
 Tangent = 39.3757  
 Length = 78.1097  
 Radius = 250.0000  
 External = 3.0819  
 Long Chord = 77.7924  
 Mid. Ord. = 3.0444  
 P.C. Station 111+61.03 N 1,815,458.0405 E 1,200,656.9108  
 P.T. Station 112+39.14 N 1,815,534.9509 E 1,200,668.5915  
 C.C. N 1,815,533.5767 E 1,200,418.5953  
 Back = N 17° 35' 11.36" E  
 Ahead = N 0° 18' 53.77" W  
 Chord Bear = N 8° 38' 08.80" E

Course from PT BUR-5D to PC BUR-5E N 0° 18' 53.77" W Dist 589.9324

Curve Data  
 -----

Curve BUR-5E  
 P.I. Station 118+81.05 N 1,816,176.8549 E 1,200,665.0632  
 Delta = 16° 53' 43.50" (RT)  
 Degree = 16° 22' 12.80"  
 Tangent = 51.9813  
 Length = 103.2082  
 Radius = 350.0000  
 External = 3.8390  
 Long Chord = 102.8347  
 Mid. Ord. = 3.7974  
 P.C. Station 118+29.07 N 1,816,124.8743 E 1,200,665.3489  
 P.T. Station 119+32.28 N 1,816,226.6748 E 1,200,679.8967  
 C.C. N 1,816,126.7982 E 1,201,015.3436  
 Back = N 0° 18' 53.77" W  
 Ahead = N 16° 34' 49.74" E  
 Chord Bear = N 8° 07' 57.98" E

BURNHAM GREENWAY ALIGNMENT STA 100+00 - 176+41.54

Point 3 N 1,814,346.8668 E 1,200,627.0788 Sta 100+00.00  
 Course from 3 to PC BUR-1 N 47° 46' 06.50" E Dist 28.1711  
 Curve Data  
 -----  
 Curve BUR-1  
 P.I. Station 101+14.89 N 1,814,424.0866 E 1,200,712.1468  
 Delta = 87° 52' 18.91" (LT)  
 Degree = 63° 39' 43.12"  
 Tangent = 86.7178  
 Length = 138.0289  
 Radius = 90.0000  
 External = 34.9799  
 Long Chord = 124.8937  
 Mid. Ord. = 25.1896  
 P.C. Station 100+28.17 N 1,814,365.8014 E 1,200,647.9376  
 P.T. Station 101+66.20 N 1,814,490.4158 E 1,200,656.2862  
 C.C. N 1,814,432.4409 E 1,200,587.4465  
 Back = N 47° 46' 07.55" E  
 Ahead = N 40° 06' 11.36" W  
 Chord Bear = N 3° 49' 58.10" E

Curve Data  
 -----

Curve BUR-2  
 P.I. Station 104+30.08 N 1,814,744.8390 E 1,200,601.6939  
 Delta = 58° 51' 06.14" (RT)  
 Degree = 57° 17' 44.81"  
 Tangent = 56.4066  
 Length = 102.7156  
 Radius = 100.0000  
 External = 14.8116  
 Long Chord = 98.2594  
 Mid. Ord. = 12.9008  
 P.C. Station 103+73.67 N 1,814,690.9889 E 1,200,618.4828  
 P.T. Station 104+76.39 N 1,814,787.0617 E 1,200,639.0963  
 C.C. N 1,814,720.7531 E 1,200,713.9506  
 Back = N 17° 18' 57.64" W  
 Ahead = N 41° 32' 08.50" E  
 Chord Bear = N 12° 06' 35.43" E

Curve Data  
 -----

Curve BUR-3  
 P.I. Station 107+75.52 N 1,815,075.4344 E 1,200,673.8217  
 Delta = 9° 31' 38.22" (LT)  
 Degree = 6° 19' 20.25"  
 Tangent = 75.5208  
 Length = 150.6935  
 Radius = 906.2500  
 External = 3.1413  
 Long Chord = 150.5199  
 Mid. Ord. = 3.1304  
 P.C. Station 107+00.00 N 1,814,999.9187 E 1,200,674.7097  
 P.T. Station 108+50.69 N 1,815,149.7614 E 1,200,660.4468  
 C.C. N 1,814,989.2625 E 1,199,768.5224  
 Back = N 0° 40' 25.45" W  
 Ahead = N 10° 12' 03.67" W  
 Chord Bear = N 5° 26' 14.56" W

Curve Data  
 -----

Curve BUR-4  
 P.I. Station 110+75.52 N 1,815,075.4344 E 1,200,673.8217  
 Delta = 9° 31' 38.22" (LT)  
 Degree = 6° 19' 20.25"  
 Tangent = 75.5208  
 Length = 150.6935  
 Radius = 906.2500  
 External = 3.1413  
 Long Chord = 150.5199  
 Mid. Ord. = 3.1304  
 P.C. Station 107+00.00 N 1,814,999.9187 E 1,200,674.7097  
 P.T. Station 108+50.69 N 1,815,149.7614 E 1,200,660.4468  
 C.C. N 1,814,989.2625 E 1,199,768.5224  
 Back = N 0° 40' 25.45" W  
 Ahead = N 10° 12' 03.67" W  
 Chord Bear = N 5° 26' 14.56" W

FILE NAME = G:\2010\TRANSPORT\BURNHAM\_GREENWAY\BURNHAM\_HORIZONTAL\_ALIGNMENT.dgn

|                              |              |           |
|------------------------------|--------------|-----------|
| USER NAME= andrewl           | DESIGNED MJK | REVISED - |
|                              | DRAWN MJK    | REVISED - |
| PLOT SCALE= 100.0000 ' / in. | CHECKED FJH  | REVISED - |
| PLOT DATE= 3/12/2015         | DATE 1-14-11 | REVISED - |



333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
 BURNHAM GREENWAY TRAIL - HORIZONTAL ALIGNMENT

SHEET NO. 1 OF 3 SHEETS

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 7         |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

BURNHAM GREENWAY ALIGNMENT STA 100+00 - 176+41.54 CONT...

Curve Data

Curve BUR-5F  
 P.I. Station 119+83.88 N 1,816,276.1636 E 1,200,694.5178  
 Delta = 16° 46' 27.60" (LT)  
 Degree = 16° 22' 12.80"  
 Tangent = 51.6034  
 Length = 102.4686  
 Radius = 350.0000  
 External = 3.7837  
 Long Chord = 102.1030  
 Mid. Ord. = 3.7432  
 P.C. Station 119+32.28 N 1,816,226.6748 E 1,200,679.8967  
 P.T. Station 120+34.75 N 1,816,327.7662 E 1,200,694.2341  
 C.C. N 1,816,325.8424 E 1,200,344.2394  
 Back = N 16° 27' 33.83" E  
 Ahead = N 0° 18' 53.77" W  
 Chord Bear = N 8° 04' 20.03" E

Course from PT BUR-5F to PC BUR-5G N 0° 18' 53.77" W Dist 168.2054

Curve Data

Curve BUR-5G  
 P.I. Station 122+54.93 N 1,816,547.9495 E 1,200,693.0238  
 Delta = 16° 53' 43.50" (LT)  
 Degree = 16° 22' 12.80"  
 Tangent = 51.9813  
 Length = 103.2082  
 Radius = 350.0000  
 External = 3.8390  
 Long Chord = 102.8347  
 Mid. Ord. = 3.7974  
 P.C. Station 122+02.95 N 1,816,495.9690 E 1,200,693.3096  
 P.T. Station 123+06.16 N 1,816,597.6034 E 1,200,677.6436  
 C.C. N 1,816,494.0452 E 1,200,343.3148  
 Back = N 0° 18' 53.77" W  
 Ahead = N 17° 12' 37.27" W  
 Chord Bear = N 8° 45' 45.52" W

Curve Data

Curve BUR-5H  
 P.I. Station 123+57.76 N 1,816,646.9284 E 1,200,662.4793  
 Delta = 16° 46' 27.60" (RT)  
 Degree = 16° 22' 12.80"  
 Tangent = 51.6034  
 Length = 102.4686  
 Radius = 350.0000  
 External = 3.7837  
 Long Chord = 102.1030  
 Mid. Ord. = 3.7432  
 P.C. Station 123+06.16 N 1,816,597.6034 E 1,200,677.6436  
 P.T. Station 124+08.63 N 1,816,698.5310 E 1,200,662.1957  
 C.C. N 1,816,700.4549 E 1,201,012.1904  
 Back = N 17° 05' 21.36" W  
 Ahead = N 0° 18' 53.77" W  
 Chord Bear = N 8° 42' 07.57" W

Course from PT BUR-5H to 14 N 0° 18' 53.77" W Dist 133.4904

Point 14 N 1,816,832.0194 E 1,200,661.4619 Sta 125+42.12

Course from 14 to PC BUR-6 N 0° 31' 22.57" W Dist 1,375.1670

Curve Data

Curve BUR-6  
 P.I. Station 139+72.58 N 1,818,262.4192 E 1,200,648.4064  
 Delta = 24° 56' 33.48" (LT)  
 Degree = 22° 55' 05.92"  
 Tangent = 55.2924  
 Length = 108.8328  
 Radius = 250.0000  
 External = 6.0415  
 Long Chord = 107.9754  
 Mid. Ord. = 5.8989  
 P.C. Station 139+17.29 N 1,818,207.1291 E 1,200,648.9110  
 P.T. Station 140+26.12 N 1,818,312.3396 E 1,200,624.6324  
 C.C. N 1,818,204.8474 E 1,200,398.9214  
 Back = N 0° 31' 22.57" W  
 Ahead = N 25° 27' 56.05" W  
 Chord Bear = N 12° 59' 39.31" W

Course from PT BUR-6 to PC BUR-C2 N 25° 27' 56.05" W Dist 94.4482

Curve Data

Curve BUR-C2  
 P.I. Station 142+02.03 N 1,818,471.1596 E 1,200,548.9962  
 Delta = 23° 01' 20.91" (RT)  
 Degree = 14° 19' 26.20"  
 Tangent = 81.4626  
 Length = 160.7272  
 Radius = 400.0000  
 External = 8.2109  
 Long Chord = 159.6481  
 Mid. Ord. = 8.0458  
 P.C. Station 141+20.57 N 1,818,397.6116 E 1,200,584.0226  
 P.T. Station 142+81.29 N 1,818,552.5482 E 1,200,545.5237  
 C.C. N 1,818,569.5990 E 1,200,945.1602  
 Back = N 25° 27' 56.05" W  
 Ahead = N 2° 26' 35.14" W  
 Chord Bear = N 13° 57' 15.59" W

Course from PT BUR-C2 to BURN87 N 2° 26' 35.14" W Dist 17.8752

Equation: Sta 142+99.17 (BK) = Sta 143+00.00 (AH) -----  
 End Region 1  
 Begin Region 2

Point BURN87 N 1,818,570.4071 E 1,200,544.7618 Sta 143+00.00

Course from BURN87 to PC BUR-8 N 2° 26' 35.14" W Dist 126.2088

Curve Data

Curve BUR-8  
 P.I. Station 144+67.49 N 1,818,737.7494 E 1,200,537.6220  
 Delta = 9° 26' 26.12" (RT)  
 Degree = 11° 27' 32.96"  
 Tangent = 41.2858  
 Length = 82.3847  
 Radius = 500.0000  
 External = 1.7016  
 Long Chord = 82.2915  
 Mid. Ord. = 1.6958  
 P.C. Station 144+26.21 N 1,818,696.5012 E 1,200,539.3818  
 P.T. Station 145+08.59 N 1,818,778.7277 E 1,200,542.6516  
 C.C. N 1,818,717.8147 E 1,201,038.9274  
 Back = N 2° 26' 35.14" W  
 Ahead = N 6° 59' 50.99" E  
 Chord Bear = N 2° 16' 37.93" E

Course from PT BUR-8 to PC BUR-9 N 6° 59' 50.99" E Dist 1,201.7122

Curve Data

Curve BUR-9  
 P.I. Station 157+21.76 N 1,819,982.8531 E 1,200,690.4462  
 Delta = 1° 18' 43.03" (RT)  
 Degree = 5° 43' 46.48"  
 Tangent = 11.4494  
 Length = 22.8979  
 Radius = 1,000.0000  
 External = 0.0655  
 Long Chord = 22.8974  
 Mid. Ord. = 0.0655  
 P.C. Station 157+10.31 N 1,819,971.4889 E 1,200,689.0514  
 P.T. Station 157+33.20 N 1,819,994.1823 E 1,200,692.1009  
 C.C. N 1,819,849.6630 E 1,201,681.6029  
 Back = N 6° 59' 50.99" E  
 Ahead = N 8° 18' 34.02" E  
 Chord Bear = N 7° 39' 12.50" E

Course from PT BUR-9 to 23 N 8° 18' 34.02" E Dist 1,393.6164

Point 23 N 1,821,373.1685 E 1,200,893.5055 Sta 171+26.82

Course from 23 to 24 N 8° 21' 07.30" E Dist 45.9885

Point 24 N 1,821,418.6693 E 1,200,900.1855 Sta 171+72.81

Course from 24 to PC BUR-10 N 9° 09' 12.52" E Dist 416.2360

Curve Data

Curve BUR-10  
 P.I. Station 176+08.47 N 1,821,848.7878 E 1,200,969.4912  
 Delta = 11° 05' 52.63" (LT)  
 Degree = 28° 38' 52.40"  
 Tangent = 19.4304  
 Length = 38.7392  
 Radius = 200.0000  
 External = 0.9416  
 Long Chord = 38.6786  
 Mid. Ord. = 0.9372  
 P.C. Station 175+89.04 N 1,821,829.6048 E 1,200,966.4002  
 P.T. Station 176+27.78 N 1,821,868.2070 E 1,200,968.8319  
 C.C. N 1,821,861.4208 E 1,200,768.9471  
 Back = N 9° 09' 12.52" E  
 Ahead = N 1° 56' 40.11" W  
 Chord Bear = N 3° 36' 16.20" E

Course from PT BUR-10 to 27 N 1° 56' 40.11" W Dist 13.7572

Point 27 N 1,821,881.9563 E 1,200,968.3651 Sta 176+41.54

=====  
 Ending chain BURNHAM-A1 description

FILE NAME = G:\2010\TRANSE\BURNHAM\BURNHAM\_HORIZONTAL\_ALIGNMENT.dgn

|                             |                |           |
|-----------------------------|----------------|-----------|
| USER NAME = andrew1         | DESIGNED - MJK | REVISED - |
| DRAWN - MJK                 | REVISIONS -    |           |
| PLOT SCALE = 100.0000' / 1" | CHECKED - FJH  | REVISED - |
| PLOT DATE = 3/12/2015       | DATE - 1-14-11 | REVISED - |



333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

|  |                           |
|--|---------------------------|
| <b>ILLINOIS DEPARTMENT OF NATURAL RESOURCES</b>      |                           |
| <b>BURNHAM GREENWAY TRAIL - HORIZONTAL ALIGNMENT</b> |                           |
| SHEET NO. 2 OF 3 SHEETS                              | ILLINOIS FED. AID PROJECT |

| F.A. RTE.          | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|---------|--------|--------------|-----------|
|                    |         | COOK   | 70           | 8         |
| CONTRACT NO. 46301 |         |        |              |           |



BURNHAM GREENWAY ALIGNMENT STA 200+00 - 217+31.33

Point 31 N 1,821,873.3467 E 1,201,448.2392 Sta 200+00.00

Course from 31 to 32 N 10 33/64 21' 02.88" W Dist 2.0281

Point 32 N 1,821,875.3418 E 1,201,447.8748 Sta 200+02.03

Curve BUR-20

P.I. Station 200+71.84 N 1,821,944.0143 E 1,201,435.3320

Delta = 49° 54' 49.07" (LT)

Degree = 38° 11' 49.87"

Tangent = 69.8086

Length = 130.6736

Radius = 150.0000

External = 15.4486

Long Chord = 126.5805

Mid. Ord. = 14.0061

P.C. Station 200+02.03 N 1,821,875.3418 E 1,201,447.8748

P.T. Station 201+32.70 N 1,821,978.6392 E 1,201,374.7155

C.C. N 1,821,848.3906 E 1,201,300.3159

Back = N 10° 21' 02.88" W

Ahead = N 60° 15' 51.95" W

Chord Bear = N 35° 18' 27.41" W

Curve BUR-21

P.I. Station 202+17.50 N 1,822,020.7011 E 1,201,301.0795

Delta = 68° 18' 26.99" (RT)

Degree = 45° 50' 11.84"

Tangent = 84.8025

Length = 149.0238

Radius = 125.0000

External = 26.0512

Long Chord = 140.3539

Mid. Ord. = 21.5582

P.C. Station 201+32.70 N 1,821,978.6392 E 1,201,374.7155

P.T. Station 202+81.73 N 1,822,104.6694 E 1,201,312.9449

C.C. N 1,822,087.1797 E 1,201,436.7153

Back = N 60° 15' 51.95" W

Ahead = N 8° 02' 35.04" E

Chord Bear = N 26° 06' 38.45" W

Point 34 N 1,822,104.6694 E 1,201,312.9449 Sta 202+81.73

Course from 34 to 35 N 8 33/64 02' 35.04" E Dist 236.2114

Point 35 N 1,822,338.5572 E 1,201,345.9950 Sta 205+17.94

Curve BUR-22

P.I. Station 205+82.94 N 1,822,402.9169 E 1,201,355.0898

Delta = 22° 37' 10.48" (RT)

Degree = 17° 37' 46.09"

Tangent = 64.9992

Length = 128.3055

Radius = 325.0000

External = 6.4361

Long Chord = 127.4739

Mid. Ord. = 6.3111

P.C. Station 205+17.94 N 1,822,338.5572 E 1,201,345.9950

P.T. Station 206+46.24 N 1,822,458.8280 E 1,201,388.2385

C.C. N 1,822,293.0824 E 1,201,667.7978

Back = N 8° 02' 36.07" E

Ahead = N 30° 39' 46.55" E

Chord Bear = N 19° 21' 11.31" E

Curve BUR-23

P.I. Station 207+11.24 N 1,822,514.7399 E 1,201,421.3876

Delta = 22° 37' 11.51" (LT)

Degree = 17° 37' 46.09"

Tangent = 65.0000

Length = 128.3071

Radius = 325.0000

External = 6.4363

Long Chord = 127.4755

Mid. Ord. = 6.3113

P.C. Station 206+46.24 N 1,822,458.8280 E 1,201,388.2385

P.T. Station 207+74.55 N 1,822,579.1005 E 1,201,430.4822

C.C. N 1,822,624.5736 E 1,201,108.6792

Back = N 30° 39' 46.55" E

Ahead = N 8° 02' 35.04" E

Chord Bear = N 19° 21' 10.79" E

Point 37 N 1,822,579.1005 E 1,201,430.4822 Sta 207+74.55

Course from 37 to 38 N 8° 02' 35.04" E Dist 456.5393

Point 38 N 1,823,031.1489 E 1,201,494.3600 Sta 212+31.09

Curve BUR-24

P.I. Station 213+15.63 N 1,823,114.8611 E 1,201,506.1882

Delta = 58° 48' 48.02" (LT)

Degree = 38° 11' 49.87"

Tangent = 84.5437

Length = 153.9730

Radius = 150.0000

External = 22.1849

Long Chord = 147.3015

Mid. Ord. = 19.3265

P.C. Station 212+31.09 N 1,823,031.1489 E 1,201,494.3600

P.T. Station 213+85.06 N 1,823,168.3283 E 1,201,440.6986

C.C. N 1,823,052.1347 E 1,201,345.8353

Back = N 8° 02' 32.60" E

Ahead = N 50° 46' 15.42" W

Chord Bear = N 21° 21' 51.41" W

Point 39 N 1,823,168.3283 E 1,201,440.6986 Sta 213+85.06

Course from 39 to 40 N 50° 46' 15.42" W Dist 49.3029

Point 40 N 1,823,199.5086 E 1,201,402.5074 Sta 214+34.36

Curve BUR-25

P.I. Station 214+82.58 N 1,823,230.0008 E 1,201,365.1590

Delta = 21 33/64 49' 55.39" (RT)

Degree = 22° 55' 05.92"

Tangent = 48.2149

Length = 95.2603

Radius = 250.0000

External = 4.6069

Long Chord = 94.6850

Mid. Ord. = 4.5236

P.C. Station 214+34.36 N 1,823,199.5086 E 1,201,402.5074

P.T. Station 215+29.62 N 1,823,272.1954 E 1,201,341.8289

C.C. N 1,823,393.1646 E 1,201,560.6129

Back = N 50° 46' 15.42" W

Ahead = N 28° 56' 20.03" W

Chord Bear = N 39° 51' 17.73" W

Point 41 N 1,823,272.1954 E 1,201,341.8289 Sta 215+29.62

Course from 41 to 42 N 28° 56' 20.03" W Dist 120.1750

Point 42 N 1,823,377.3649 E 1,201,283.6790 Sta 216+49.80

Curve BUR-26

P.I. Station 216+92.98 N 1,823,415.1548 E 1,201,262.7844

Delta = 46° 42' 39.78" (RT)

Degree = 57° 17' 44.81"

Tangent = 43.1817

Length = 81.5262

Radius = 100.0000

External = 8.9250

Long Chord = 79.2871

Mid. Ord. = 8.1937

P.C. Station 216+49.80 N 1,823,377.3649 E 1,201,283.6790

P.T. Station 217+31.33 N 1,823,456.2758 E 1,201,275.9649

C.C. N 1,823,425.7525 E 1,201,371.1927

Back = N 28° 56' 20.03" W

Ahead = N 17° 46' 19.74" E

Chord Bear = N 5 33/64 35' 00.14" W

Ending chain BURNHAM GREENWAY ALIGNMENT STA 200+00 - 217+31.33

| BENCHMARKS |  | ELEV |
|------------|--|------|
| TBM 8      | "D" ON FOUNDATION OF SIGNAL LIGHT (APPROX STA 101+66, 73' LT)  | 8.37 |
| TBM 7      | N BOLT FH EAST OF COMED TOWER IN REAR OF SENIOR CENTER (APPROX STA 111+60, 140' RT)  | 10.4 |
| TBM 5      | EYE BOLT ON WOOD GATE POST (APPROX STA 147+15, 63' RT)   | 5.89 |
| TBM 4      | FIRST HYDRANT NORTH OF 130TH AVE, EAST BOLT ON FIRE HYDRANT ON THE EAST SIDE OF SOUTH AVE "O" (APPROX STA 164+69, 306' RT) | 5.66 |
| BM 0-1     | MARK CUT IN CENTER OF HEADWALL OF CULVERT FOR CREEK UNDER AVE "O" (APPROX 171+87, 278' RT)                                 | 4.93 |

BM 0-1 from City of Chicago Department of Transportation Project No. B-9-368

FILE NAME = G:\2010\TRANSPORT\02\BURNHAM\_HORIZONTA\_ALIGNMNT.dgn

|                               |                |           |
|-------------------------------|----------------|-----------|
| USER NAME = andrew1           | DESIGNED - MJK | REVISED - |
|                               | DRAWN - MJK    | REVISED - |
| PLOT SCALE = 100.0000' / 1in. | CHECKED - FJH  | REVISED - |
| PLOT DATE = 3/12/2015         | DATE - 1-14-11 | REVISED - |



333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

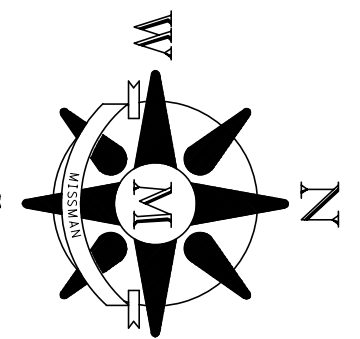
ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
BURNHAM GREENWAY TRAIL - HORIZONTAL ALIGNMENT

SHEET NO. 3 OF 3 SHEETS

|                           |         |        |                    |           |
|---------------------------|---------|--------|--------------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS       | SHEET NO. |
|                           |         | COOK   | 70                 | 9         |
|                           |         |        | CONTRACT NO. 46301 |           |
| ILLINOIS FED. AID PROJECT |         |        |                    |           |

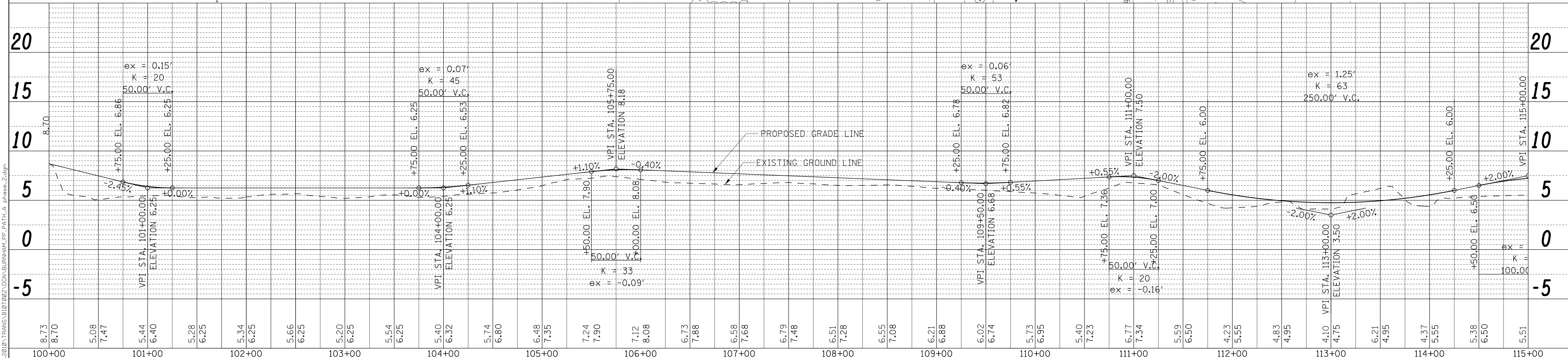
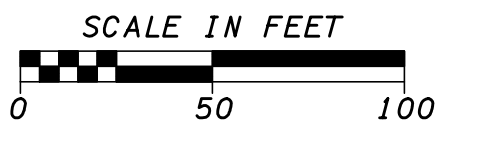
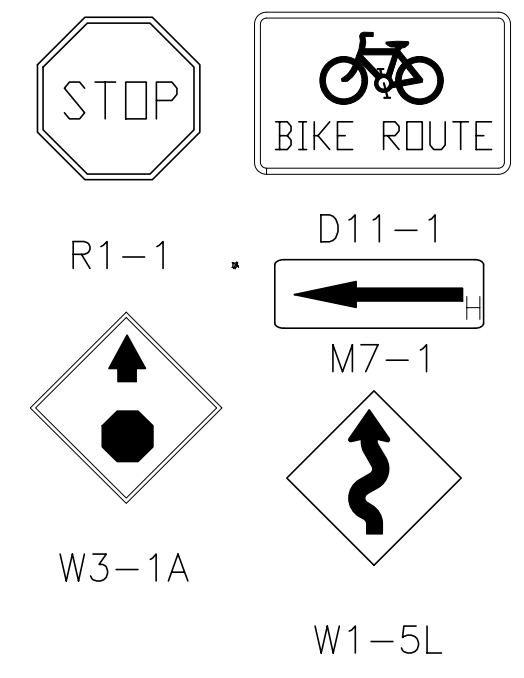
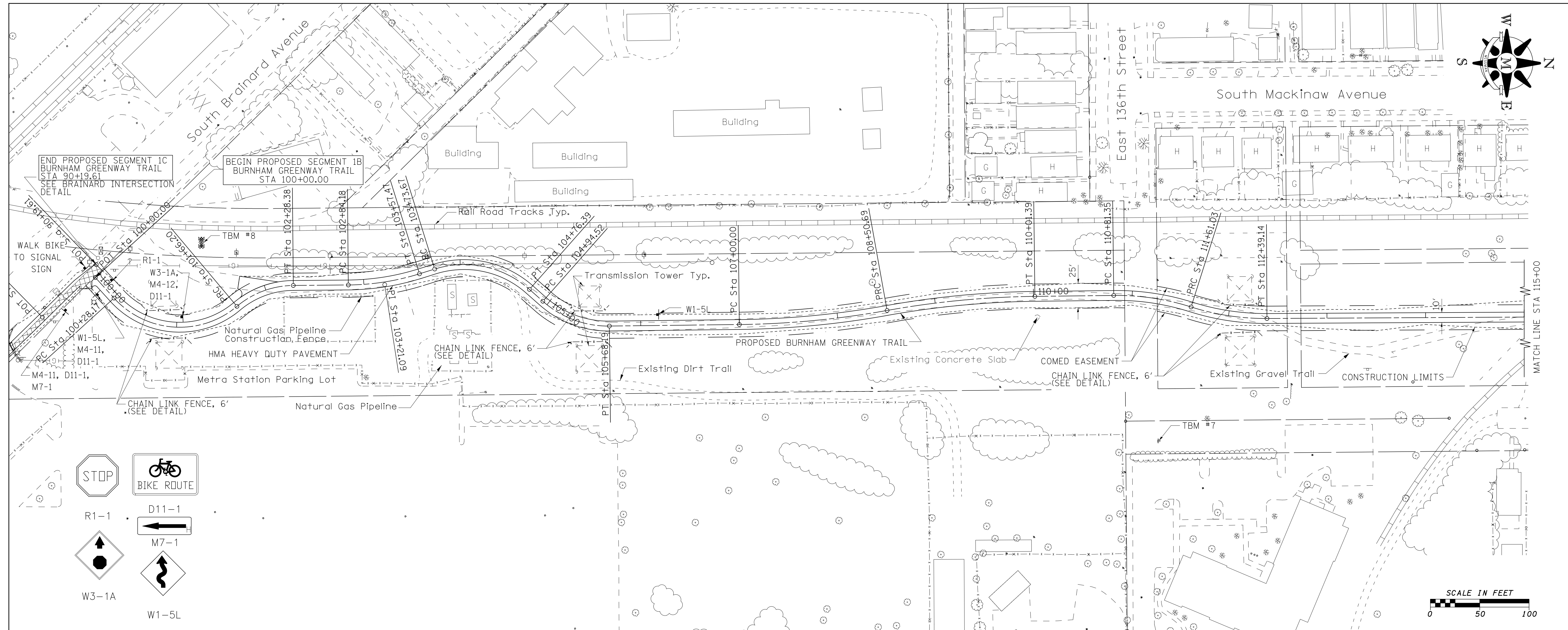






|      |          |    |      |
|------|----------|----|------|
| PLAN | SURVEYED | BY | DATE |
|      | PLOTTED  |    |      |
|      | CHECKED  |    |      |
|      | ALIGNED  |    |      |
|      | FILED    |    |      |
|      | NO.      |    |      |

|         |           |    |      |
|---------|-----------|----|------|
| PROFILE | SURVEYED  | BY | DATE |
|         | PLOTTED   |    |      |
|         | CHECKED   |    |      |
|         | GRADES    |    |      |
|         | STRUCTURE |    |      |
|         | NOTATIONS |    |      |
|         | CHKD      |    |      |
|         | NO.       |    |      |



FILE NAME = G:\2010\TRANS\010702\DDN\BURNHAM\_PP\_2A1H\_A\_phase2.dgn

|                            |                |           |
|----------------------------|----------------|-----------|
| USER NAME = andrew1        | DESIGNED - MJK | REVISED - |
|                            | DRAWN - PJP    | REVISED - |
| PLOT SCALE = 50.0000' / 1" | CHECKED - FJH  | REVISED - |
| PLOT DATE = 3/12/2015      | DATE - 2-4-11  | REVISED - |



333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

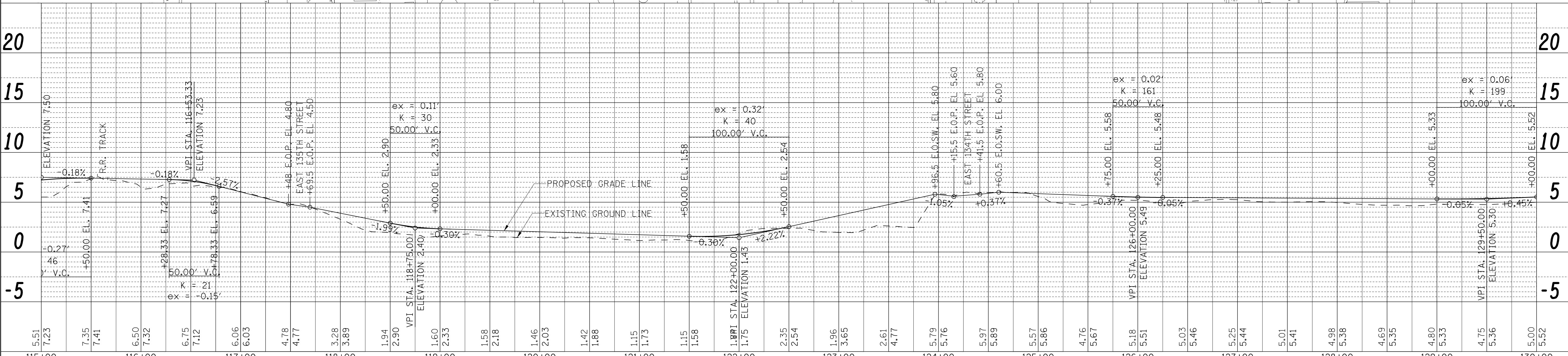
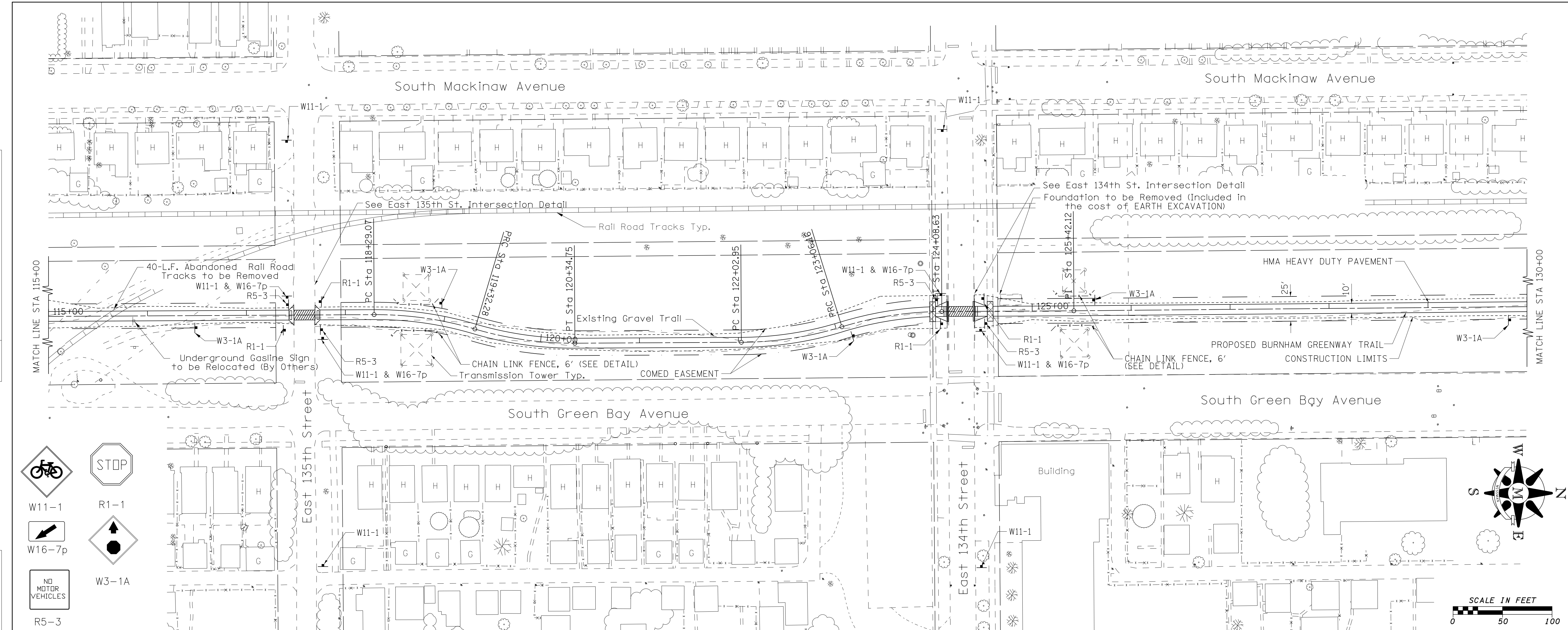
**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - PLAN & PROFILE SHEET**

SCALE: 1" = 50' SHEET NO. 2 OF 10 SHEETS STA. 100+00 TO STA. 115+00

|           |         |        |                           |
|-----------|---------|--------|---------------------------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS NO.          |
|           |         | COOK   | 70 11                     |
|           |         |        | CONTRACT NO. 46301        |
|           |         |        | ILLINOIS FED. AID PROJECT |

|      |           |    |      |
|------|-----------|----|------|
| PLAN | SURVEYED  | BY | DATE |
|      | PLOTTED   |    |      |
|      | CHECKED   |    |      |
|      | ALLOTTED  |    |      |
|      | FILE NAME |    |      |
|      | NO.       |    |      |

|         |           |    |      |
|---------|-----------|----|------|
| PROFILE | SURVEYED  | BY | DATE |
|         | PLOTTED   |    |      |
|         | CHECKED   |    |      |
|         | ALLOTTED  |    |      |
|         | FILE NAME |    |      |
|         | NO.       |    |      |



FILE NAME = G:\2010\TRANS\BURNHAM\BURNHAM\_PP\_2A114\_A\_phase2.dgn

|           |           |
|-----------|-----------|
| USER NAME | = andrew1 |
| DESIGNED  | - MJK     |
| DRAWN     | - PJP     |
| CHECKED   | - FJH     |
| DATE      | - 2-4-11  |

|         |   |
|---------|---|
| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |



333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

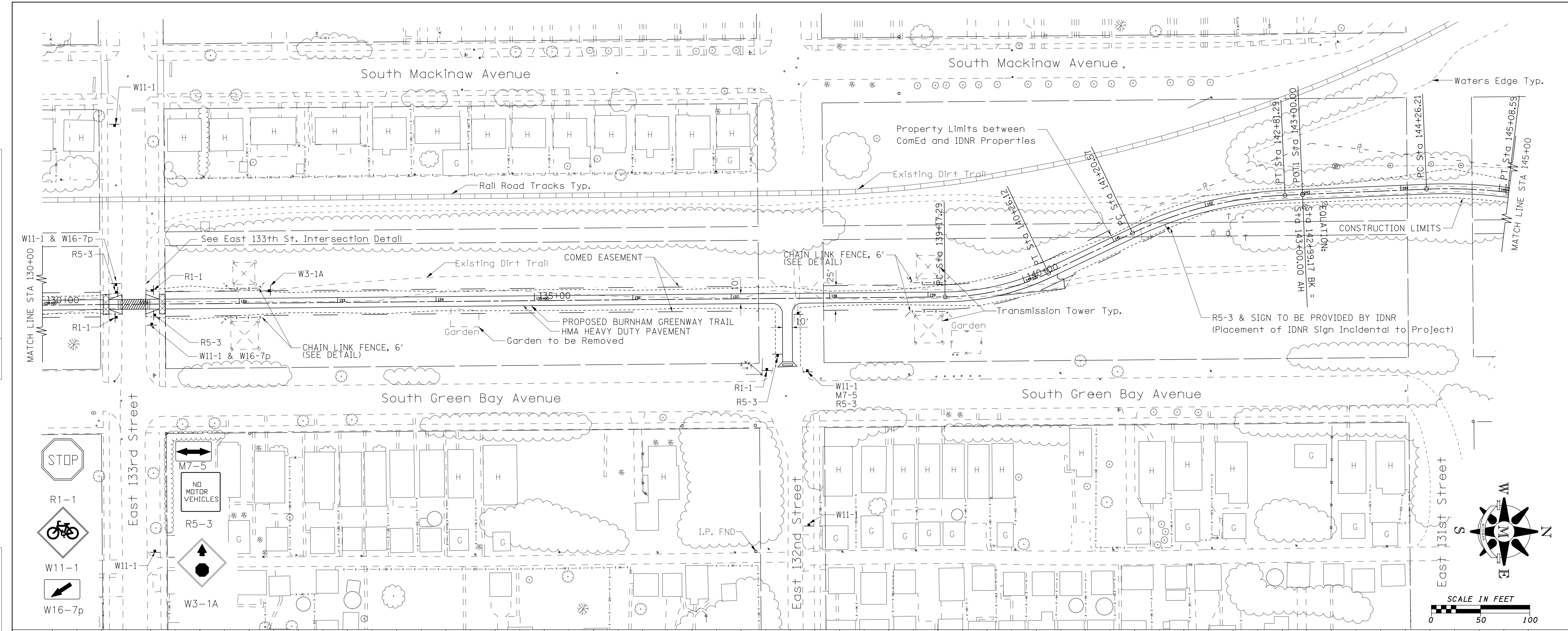
**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - PLAN & PROFILE SHEET**  
SCALE: 1" = 50' SHEET NO. 3 OF 10 SHEETS STA. 115+00 TO STA. 130+00

|                    |         |        |                           |           |
|--------------------|---------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
|                    |         | COOK   | 70                        | 12        |
| CONTRACT NO. 46301 |         |        | ILLINOIS FED. AID PROJECT |           |



|      |          |    |      |
|------|----------|----|------|
| PLAN | SURVEYED | BY | DATE |
|      | PLOTTED  |    |      |
|      | CHECKED  |    |      |
|      | ALLOTTED |    |      |
|      | FILED    |    |      |
|      | NO. /    |    |      |
|      | NO. /    |    |      |
|      | NO. /    |    |      |

|         |          |    |      |
|---------|----------|----|------|
| PROFILE | SURVEYED | BY | DATE |
|         | PLOTTED  |    |      |
|         | CHECKED  |    |      |
|         | ALLOTTED |    |      |
|         | FILED    |    |      |
|         | NO. /    |    |      |
|         | NO. /    |    |      |
|         | NO. /    |    |      |



FILE NAME = G:\2018\TRANS\01702\DDN\BURNHAM\_PP\_2A174\_A\_phase2.dgn

|           |           |
|-----------|-----------|
| USER NAME | = andrew1 |
| DESIGNED  | - MJK     |
| DRAWN     | - PJP     |
| CHECKED   | - FJH     |
| DATE      | - 2-4-11  |

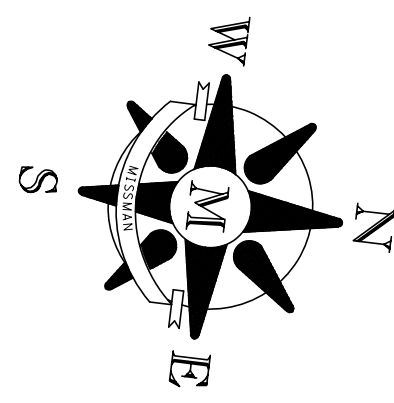
|         |   |
|---------|---|
| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |



333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

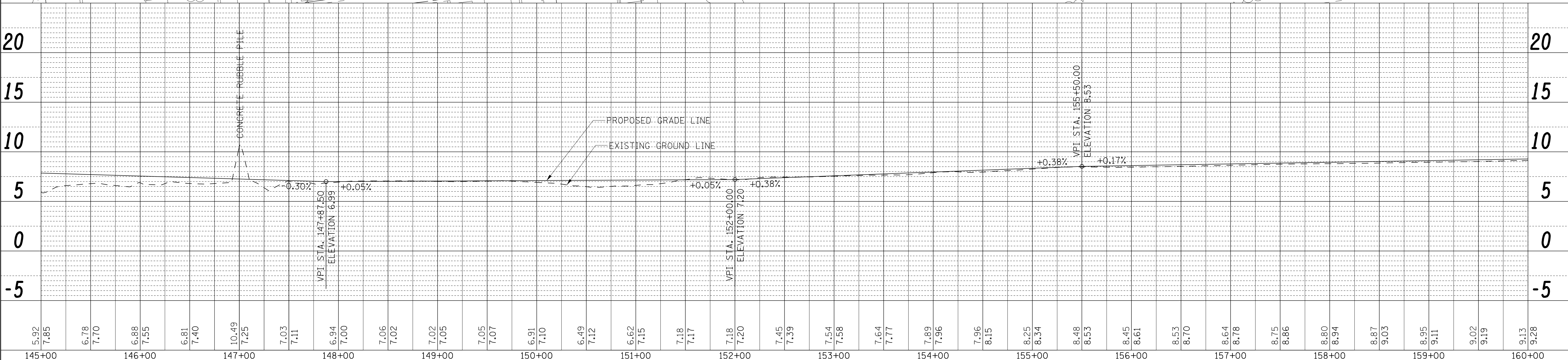
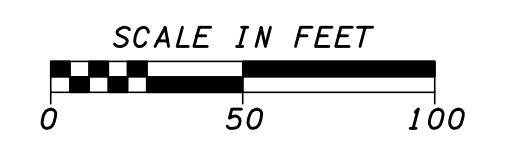
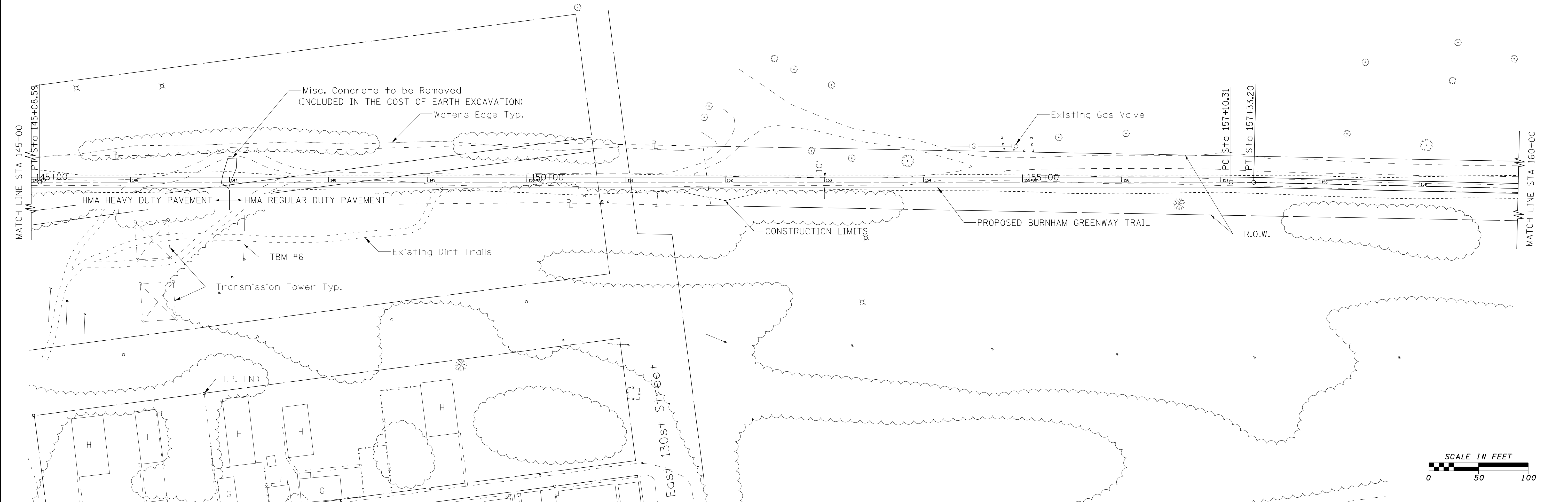
**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - PLAN & PROFILE SHEET**  
SCALE: 1" = 50' SHEET NO. 4 OF 10 SHEETS STA. 130+00 TO STA. 145+00

|           |         |        |                           |           |
|-----------|---------|--------|---------------------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
|           |         | COOK   | 70                        | 13        |
|           |         |        | CONTRACT NO. 46301        |           |
|           |         |        | ILLINOIS FED. AID PROJECT |           |



|      |          |    |      |
|------|----------|----|------|
| PLAN | SURVEYED | BY | DATE |
|      | PLOTTED  |    |      |
|      | CHECKED  |    |      |
|      | ALIGNED  |    |      |
|      | FILED    |    |      |
|      | NO.      |    |      |

|         |           |    |      |
|---------|-----------|----|------|
| PROFILE | SURVEYED  | BY | DATE |
|         | PLOTTED   |    |      |
|         | CHECKED   |    |      |
|         | GRADES    |    |      |
|         | STRUCTURE |    |      |
|         | NOTATIS   |    |      |
|         | CHKD      |    |      |



|        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 145+00 | 146+00 | 147+00 | 148+00 | 149+00 | 150+00 | 151+00 | 152+00 | 153+00 | 154+00 | 155+00 | 156+00 | 157+00 | 158+00 | 159+00 | 160+00 |
| 5.92   | 6.78   | 6.81   | 6.94   | 7.06   | 7.05   | 6.62   | 7.18   | 7.54   | 7.64   | 8.25   | 8.48   | 8.53   | 8.80   | 8.87   | 9.13   |
| 7.85   | 7.70   | 7.40   | 7.00   | 7.02   | 7.07   | 7.15   | 7.20   | 7.58   | 7.77   | 8.34   | 8.53   | 8.61   | 8.94   | 9.03   | 9.28   |

|                             |                |           |
|-----------------------------|----------------|-----------|
| USER NAME = andrew1         | DESIGNED - MJK | REVISED - |
|                             | DRAWN - PJP    | REVISED - |
| PLOT SCALE = 50.0000' / in. | CHECKED - FJH  | REVISED - |
| PLOT DATE = 3/12/2015       | DATE - 2-4-11  | REVISED - |

**Missman, Inc.**  
Professional Engineers & Land Surveyors

333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - PLAN & PROFILE SHEET**

SCALE: 1" = 50'    SHEET NO. 5 OF 10 SHEETS    STA. 145+00 TO STA. 160+00

|                    |         |        |                           |           |
|--------------------|---------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
|                    |         | COOK   | 70                        | 14        |
| CONTRACT NO. 46301 |         |        | ILLINOIS FED. AID PROJECT |           |

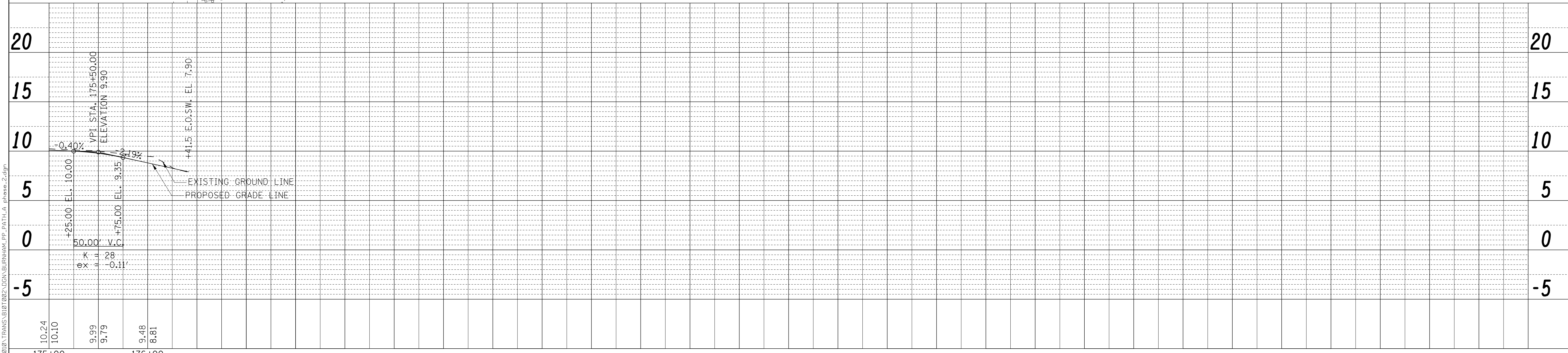
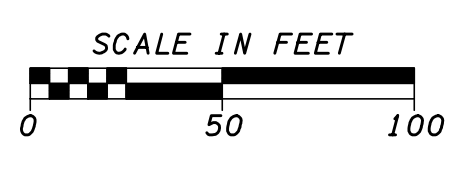
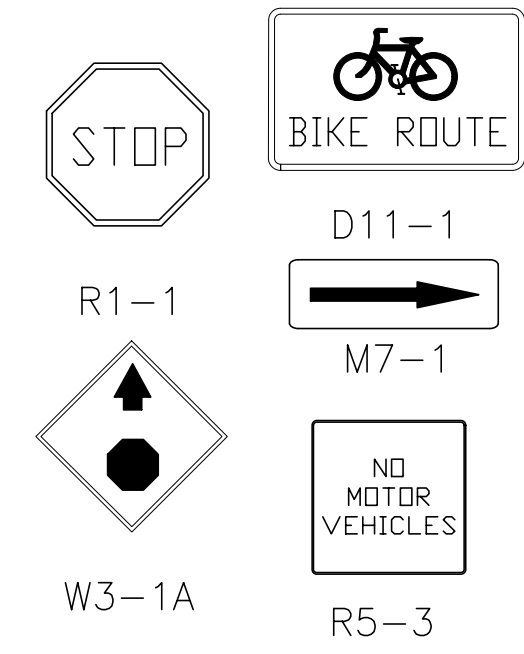
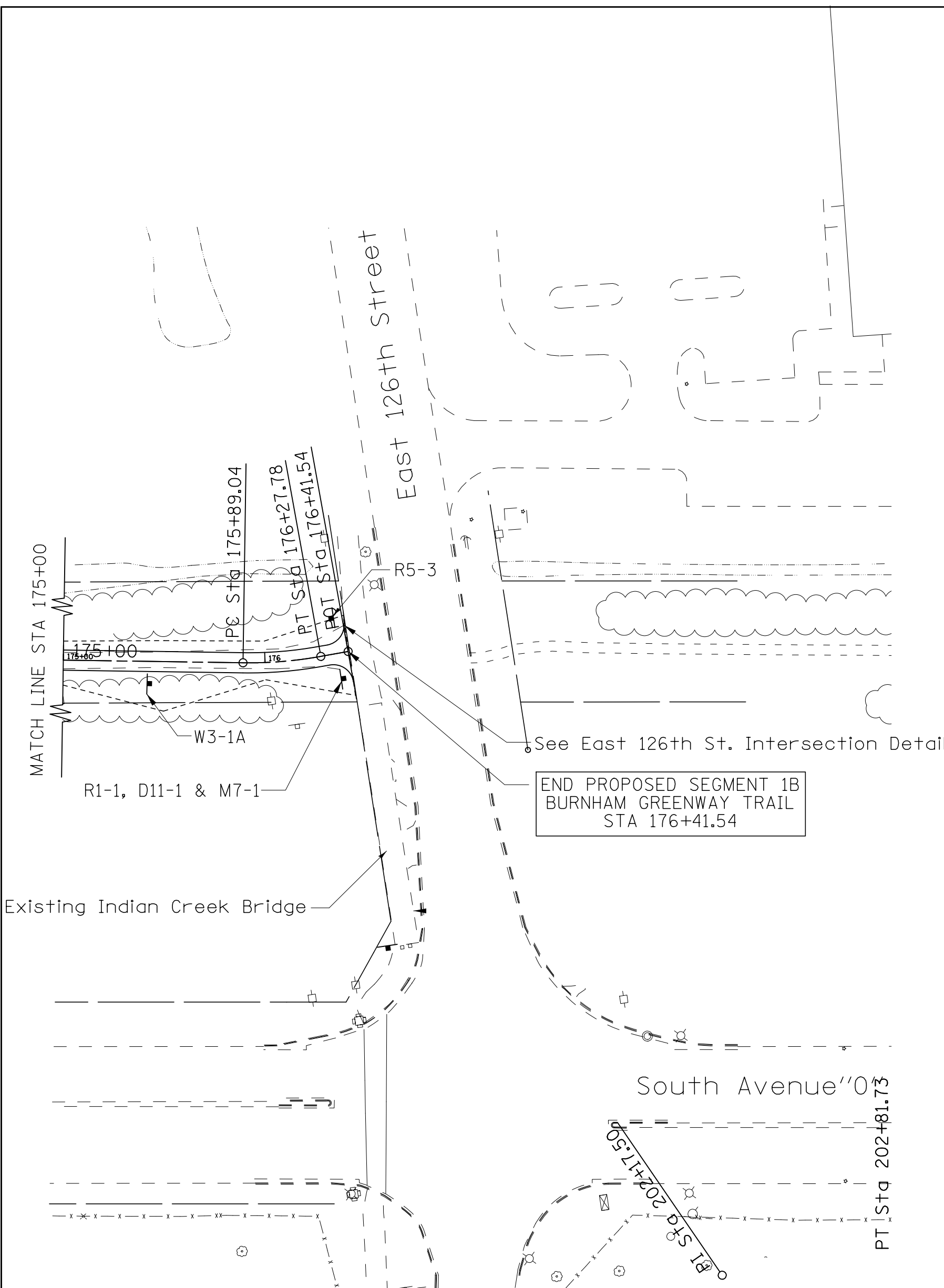
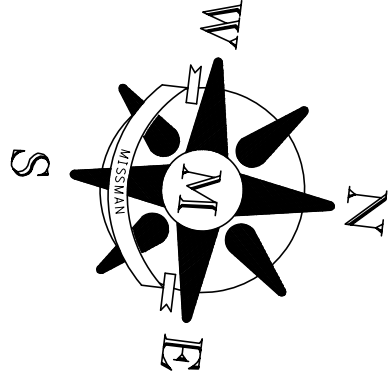
FILE NAME = G:\2010\TRANS\BURNHAM\BURNHAM\_PP\_2A1H.A phase 2.dgn





|      |          |    |      |
|------|----------|----|------|
| PLAN | SURVEYED | BY | DATE |
|      | PLOTTED  |    |      |
|      | CHECKED  |    |      |
|      | ALIGNED  |    |      |
|      | FILED    |    |      |
|      | NO.      |    |      |

|         |           |    |      |
|---------|-----------|----|------|
| PROFILE | SURVEYED  | BY | DATE |
|         | PLOTTED   |    |      |
|         | CHECKED   |    |      |
|         | STRUCTURE |    |      |
|         | NOTATION  |    |      |
|         | CHKD      |    |      |
|         | NO.       |    |      |



FILE NAME = G:\2010\TRANS\010702\DOWN\BURNHAM\_PP-PA1H-A\_phase-2.dgn

|                             |                |           |
|-----------------------------|----------------|-----------|
| USER NAME = andrew1         | DESIGNED - MJK | REVISED - |
| PLOT SCALE = 50.0000' / in. | DRAWN - PJP    | REVISED - |
| PLOT DATE = 3/12/2015       | CHECKED - FJH  | REVISED - |
|                             | DATE - 2-4-11  | REVISED - |

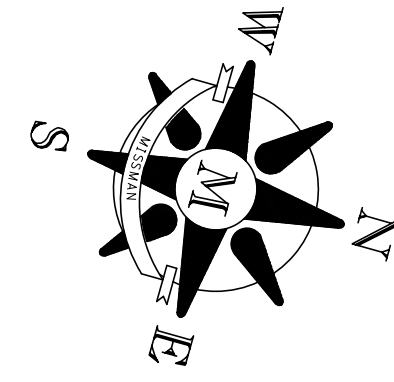


333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - PLAN & PROFILE SHEET**  
SCALE: 1" = 50' SHEET NO. 7 OF 10 SHEETS STA. 175+00 TO STA. 176+00

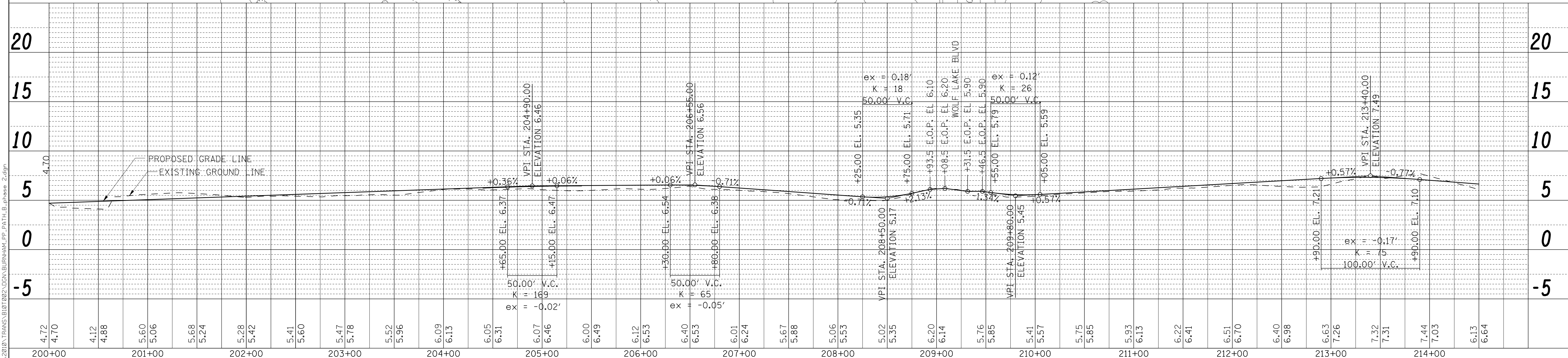
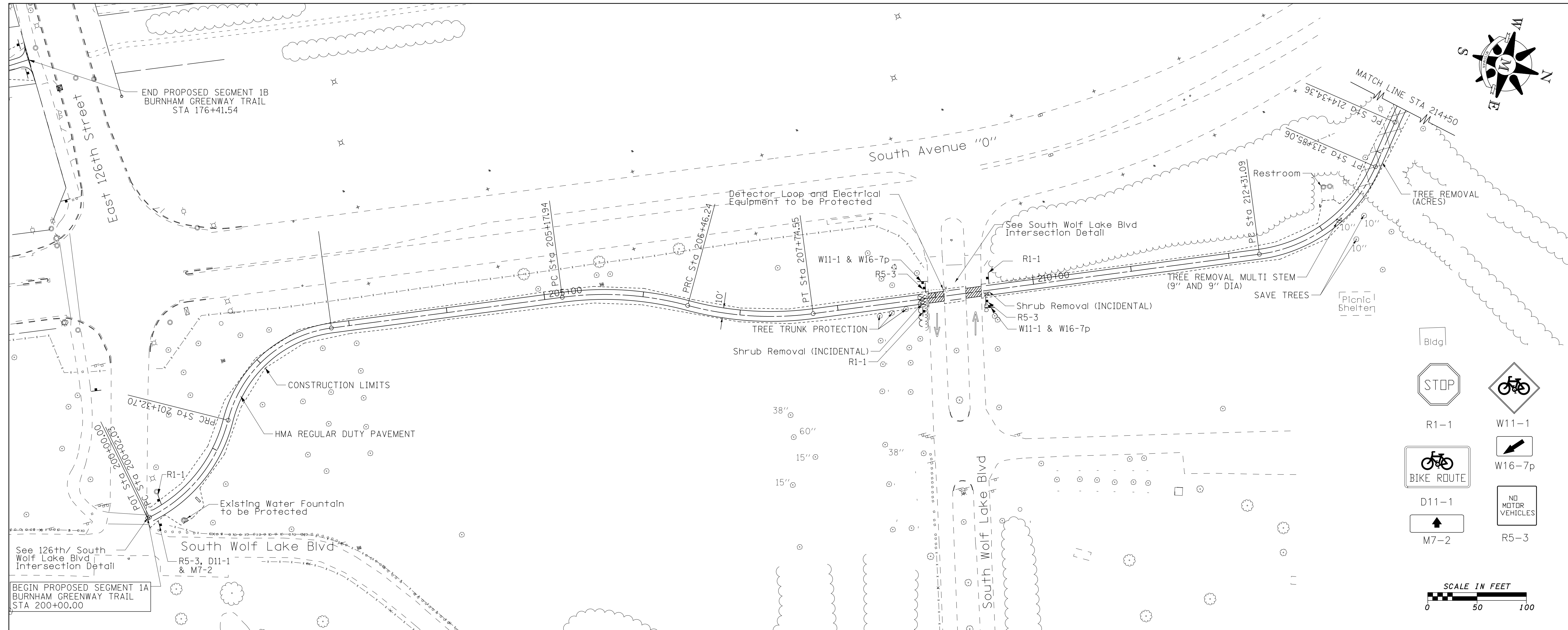
|                    |         |        |                           |           |
|--------------------|---------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
|                    |         | COOK   | 70                        | 16        |
| CONTRACT NO. 46301 |         |        | ILLINOIS FED. AID PROJECT |           |





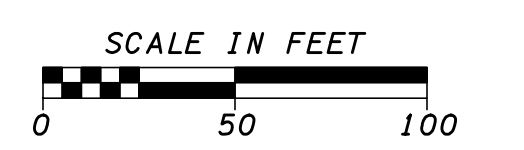
|      |          |    |      |
|------|----------|----|------|
| PLAN | SURVEYED | BY | DATE |
|      | PLOTTED  |    |      |
|      | CHECKED  |    |      |
|      | ALIGNED  |    |      |
|      | FILED    |    |      |
|      | NO.      |    |      |

|         |           |    |      |
|---------|-----------|----|------|
| PROFILE | SURVEYED  | BY | DATE |
|         | GRADES    |    |      |
|         | CHECKED   |    |      |
|         | STRUCTURE |    |      |
|         | NOTATIONS |    |      |
|         | CHKD      |    |      |
|         | NO.       |    |      |



Legend for symbols and signs:

- Bldg (Building)
- STOP sign
- R1-1 (Right-of-Way)
- BIKE ROUTE sign
- D11-1 (Ditch)
- M7-2 (Marker)
- W11-1 (Vegetation)
- W16-7p (Vegetation)
- NO MOTOR VEHICLES sign
- R5-3 (Vegetation)



FILE NAME = G:\2018\TRANS\BURNHAM\BURNHAM\_PP\_2A14\_B\_phase\_2.dgn

|           |           |
|-----------|-----------|
| USER NAME | = andrew1 |
| DESIGNED  | - MJK     |
| DRAWN     | - MJK     |
| CHECKED   | - FJH     |
| DATE      | - 3-14-11 |

|         |   |
|---------|---|
| REVISED | - |
| REVISED | - |
| REVISED | - |
| REVISED | - |

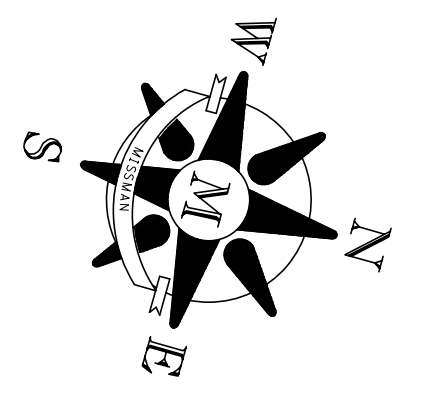


333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
**BURNHAM GREENWAY TRAIL - PLAN & PROFILE SHEET**  
 SCALE: 1" = 50' SHEET NO. 9 OF 10 SHEETS STA. 200+00 TO STA. 214+50

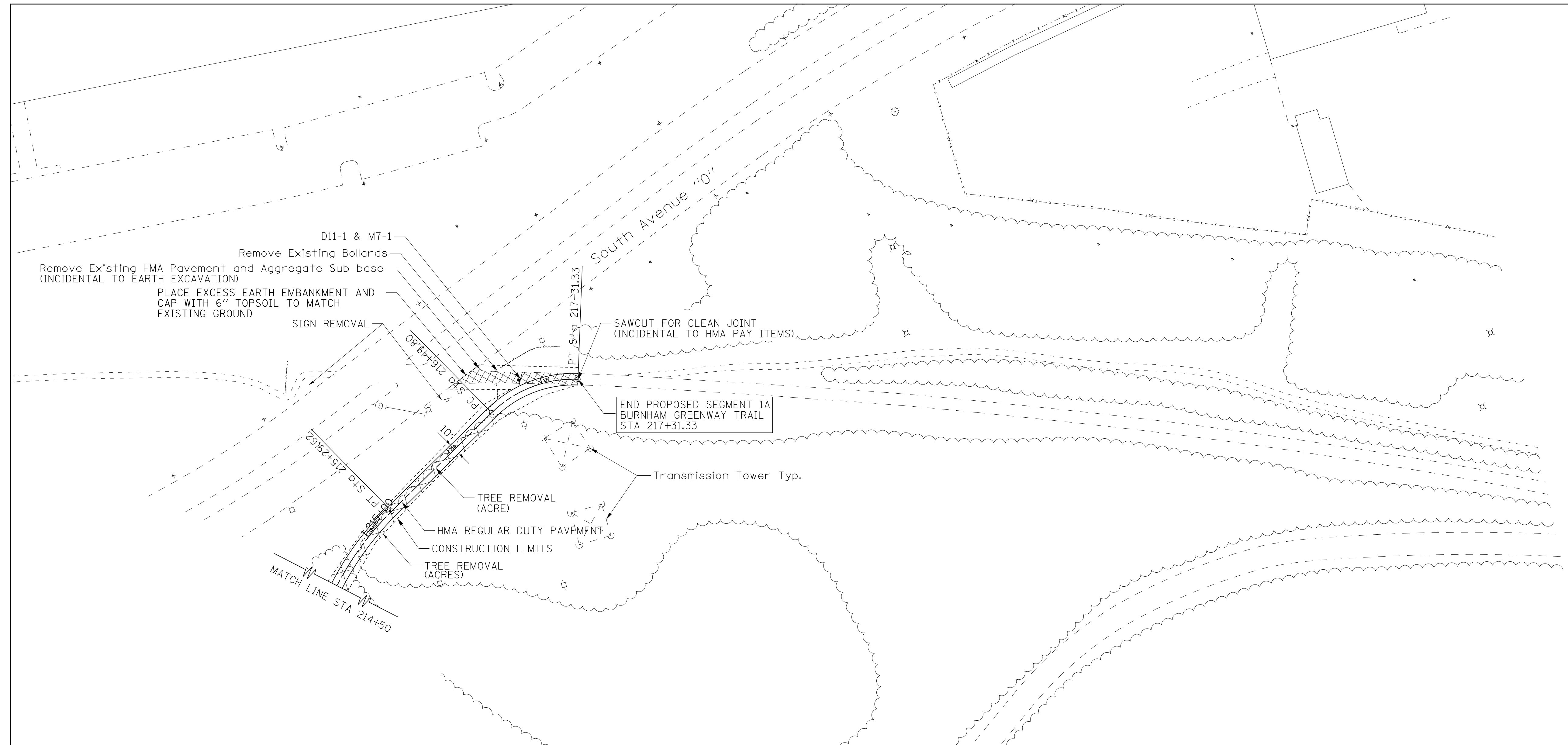
|                    |         |        |                           |           |
|--------------------|---------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
|                    |         | COOK   | 70                        | 18        |
| CONTRACT NO. 46301 |         |        | ILLINOIS FED. AID PROJECT |           |



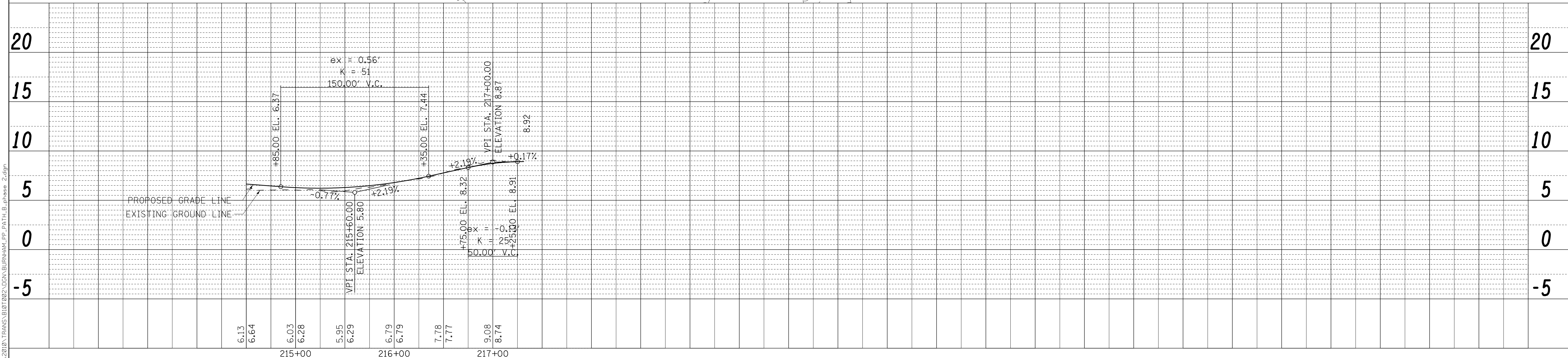
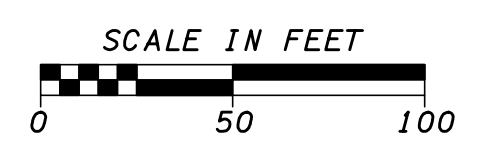


|               |                |    |      |
|---------------|----------------|----|------|
| PLAN          | SURVEYED       | BY | DATE |
|               | PLOTTED        |    |      |
|               | CHECKED        |    |      |
|               | ALIGNED        |    |      |
|               | FILED          |    |      |
|               | CADD FILE NAME |    |      |
| NOTE BOOK NO. |                |    |      |

|               |           |    |      |
|---------------|-----------|----|------|
| PROFILE       | SURVEYED  | BY | DATE |
|               | PLOTTED   |    |      |
|               | CHECKED   |    |      |
|               | GRADES    |    |      |
|               | STRUCTURE |    |      |
|               | NOTATIONS |    |      |
|               | CHKD      |    |      |
| NOTE BOOK NO. |           |    |      |



D11-1  
M7-1



FILE NAME = G:\2010\TRANS\010702\DOWN\BURNHAM\_PP\_2A14\_B\_phase\_2.dgn

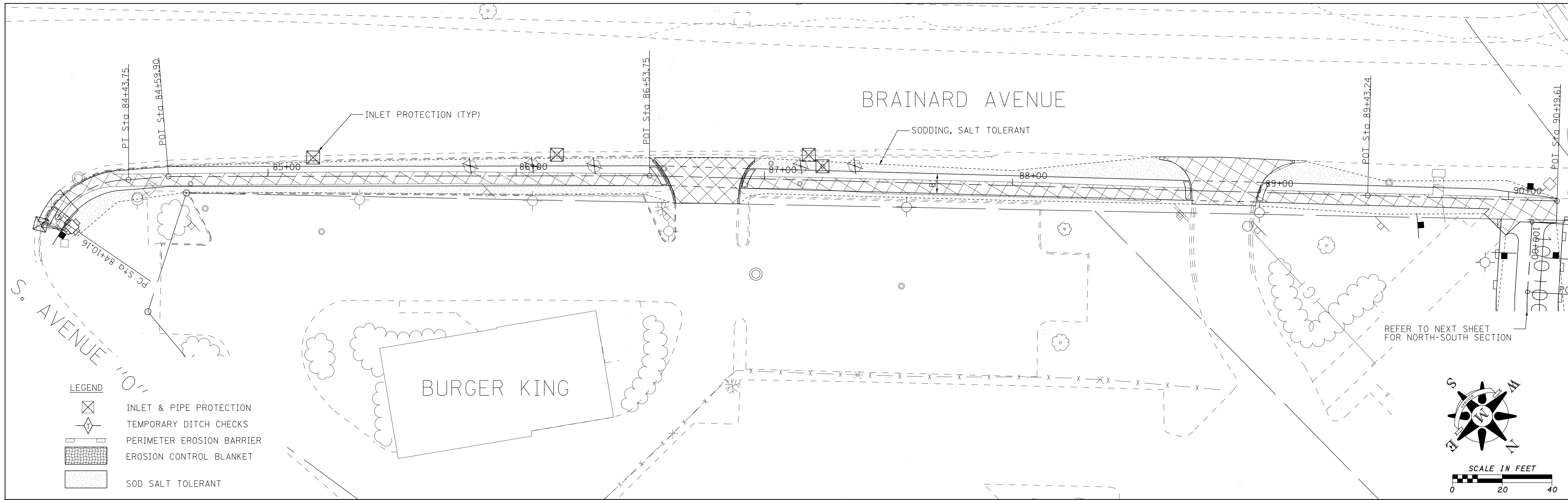
|                             |                |           |
|-----------------------------|----------------|-----------|
| USER NAME = andrew1         | DESIGNED - MJK | REVISED - |
|                             | DRAWN - MJK    | REVISED - |
| PLOT SCALE = 50.0000' / in. | CHECKED - FJH  | REVISED - |
| PLOT DATE = 3/12/2015       | DATE - 3-14-11 | REVISED - |



333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

|   |                           |                               |  |
|---|---------------------------|-------------------------------|--|
| ILLINOIS DEPARTMENT OF NATURAL RESOURCES      |                           |                               |  |
| BURNHAM GREENWAY TRAIL - PLAN & PROFILE SHEET |                           |                               |  |
| SCALE: 1" = 50'                               | SHEET NO. 10 OF 10 SHEETS | STA. 214+50 TO STA. 217+31.33 |  |

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 19        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



FILE NAME = G:\2010\TRANSPORT\02\BURNHAM.EROSION\_CONTROL.dgn

|                              |                |             |
|------------------------------|----------------|-------------|
| USER NAME = andrew1          | DESIGNED - MJK | REVISED -   |
| DRAWN - MJK                  | REVISIONS -    |             |
| PLOT SCALE = 20.0000' / 1" = | CHECKED - FJH  | REVISIONS - |
| PLOT DATE = 3/12/2015        | DATE - 3-2-11  | REVISIONS - |

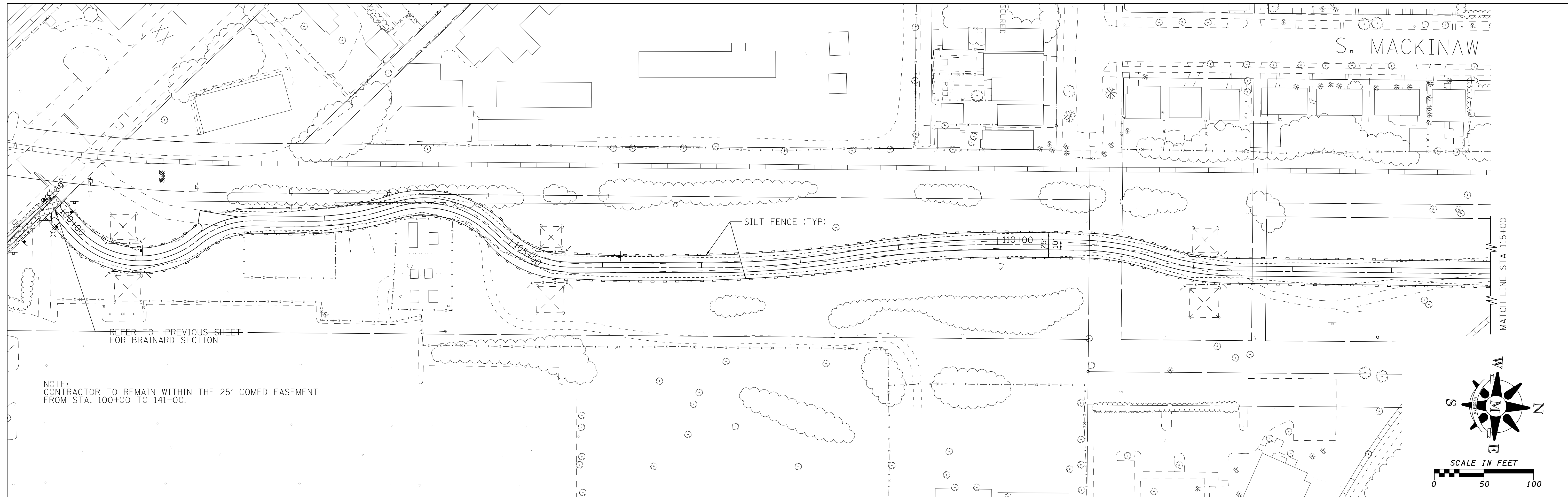
**Missman, Inc.**  
Professional Engineers & Land Surveyors

333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - EROSION CONTROL PLAN**

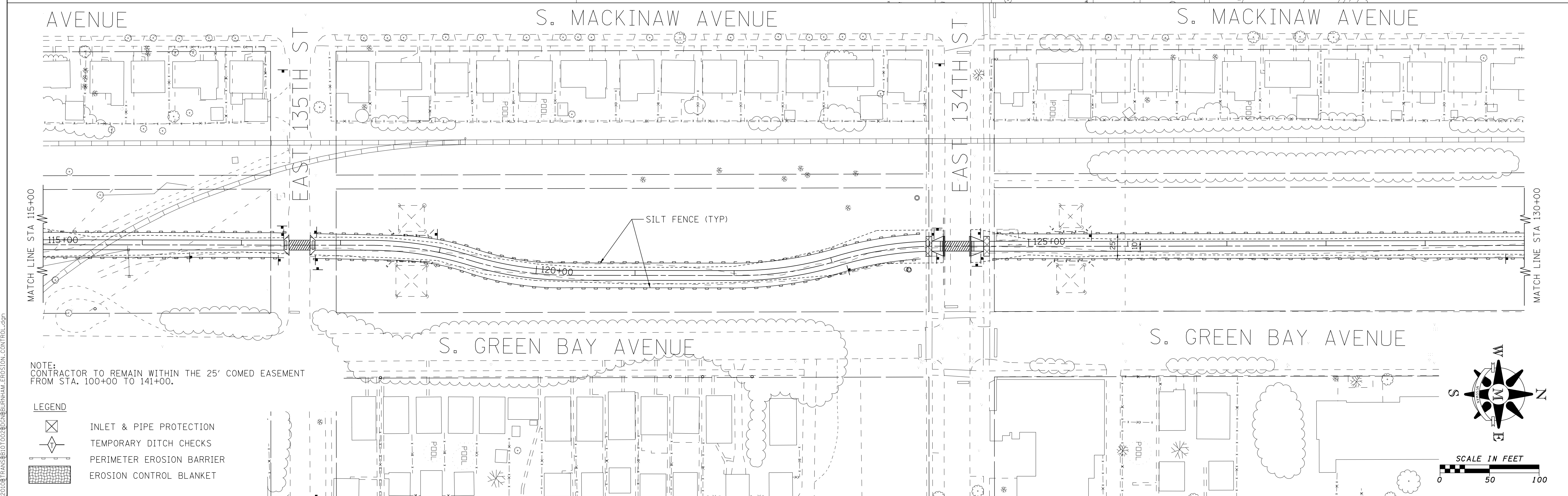
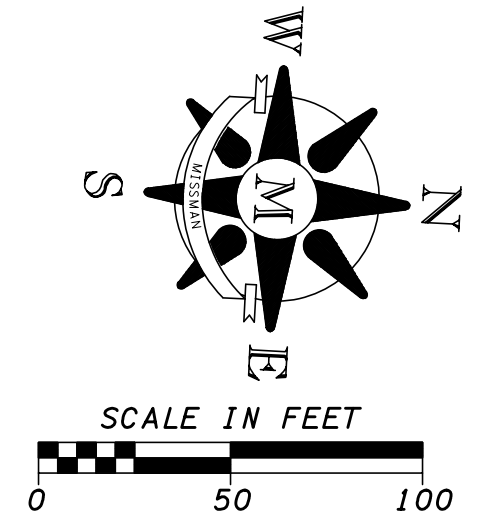
SCALE: 1" = 20' SHEET NO. 1 OF 5 SHEETS

| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
|                           |         | COOK   | 70           | 20        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



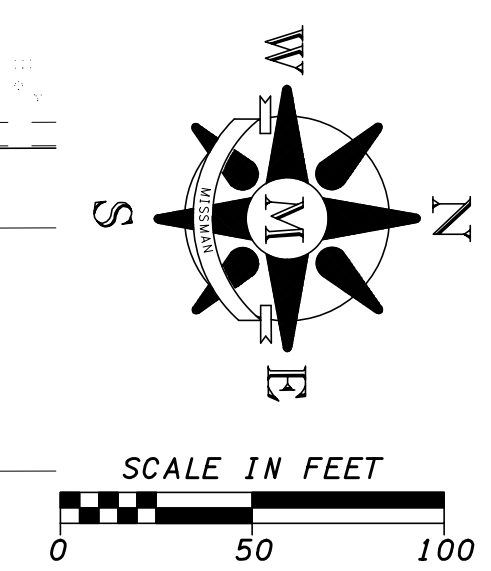
REFER TO PREVIOUS SHEET FOR BRAINARD SECTION

NOTE: CONTRACTOR TO REMAIN WITHIN THE 25' COMED EASEMENT FROM STA. 100+00 TO 141+00.



NOTE: CONTRACTOR TO REMAIN WITHIN THE 25' COMED EASEMENT FROM STA. 100+00 TO 141+00.

- LEGEND**
- INLET & PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - PERIMETER EROSION BARRIER
  - EROSION CONTROL BLANKET



FILE NAME = G:\2010\TRANSPORT\BURNHAM\EROSION\_CONTROL.dgn

|                              |                |           |
|------------------------------|----------------|-----------|
| USER NAME = andrew1          | DESIGNED - MJK | REVISED - |
|                              | DRAWN - MJK    | REVISED - |
| PLOT SCALE = 50.0000' / 1" = | CHECKED - FJH  | REVISED - |
| PLOT DATE = 3/12/2015        | DATE - 2-2-11  | REVISED - |

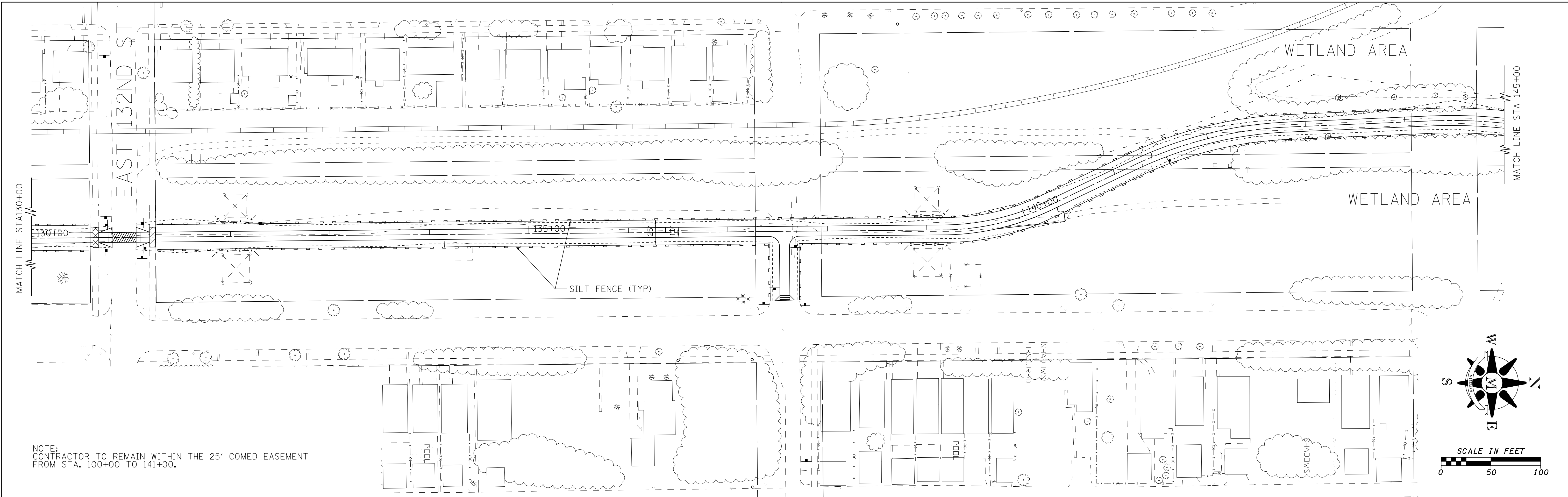


333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

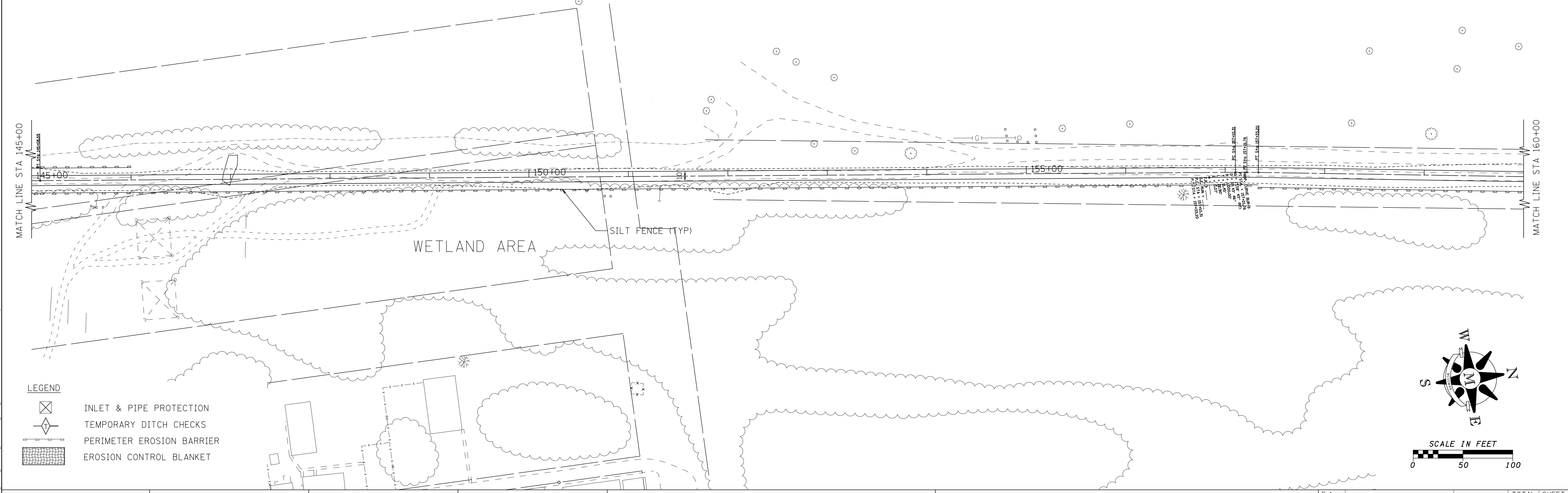
**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - EROSION CONTROL PLAN**  
 SCALE: 1" = 50' SHEET NO. 2 OF 5 SHEETS STA. 100+00 TO STA.130+00

|                           |         |        |                    |           |
|---------------------------|---------|--------|--------------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS       | SHEET NO. |
|                           |         | COOK   | 70                 | 21        |
|                           |         |        | CONTRACT NO. 46301 |           |
| ILLINOIS FED. AID PROJECT |         |        |                    |           |





NOTE:  
CONTRACTOR TO REMAIN WITHIN THE 25' COMED EASEMENT  
FROM STA. 100+00 TO 141+00.



- LEGEND**
- INLET & PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - PERIMETER EROSION BARRIER
  - EROSION CONTROL BLANKET

FILE NAME = G:\2010\TRANSPORT\2010\BURNHAM.EROSION\_CONTROL.dgn

|                             |                |           |
|-----------------------------|----------------|-----------|
| USER NAME = andrew1         | DESIGNED - MJK | REVISED - |
|                             | DRAWN - MJK    | REVISED - |
| PLOT SCALE = 50.0000' / in. | CHECKED - FJH  | REVISED - |
| PLOT DATE = 3/12/2015       | DATE - 2-2-11  | REVISED - |

**Missman, Inc.**  
Professional Engineers & Land Surveyors

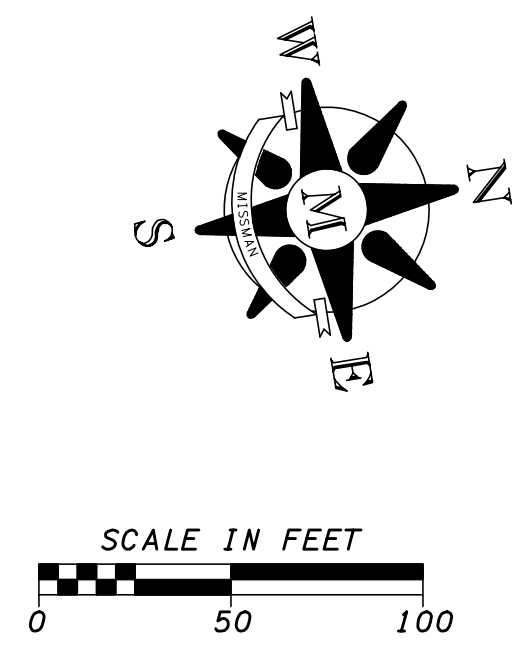
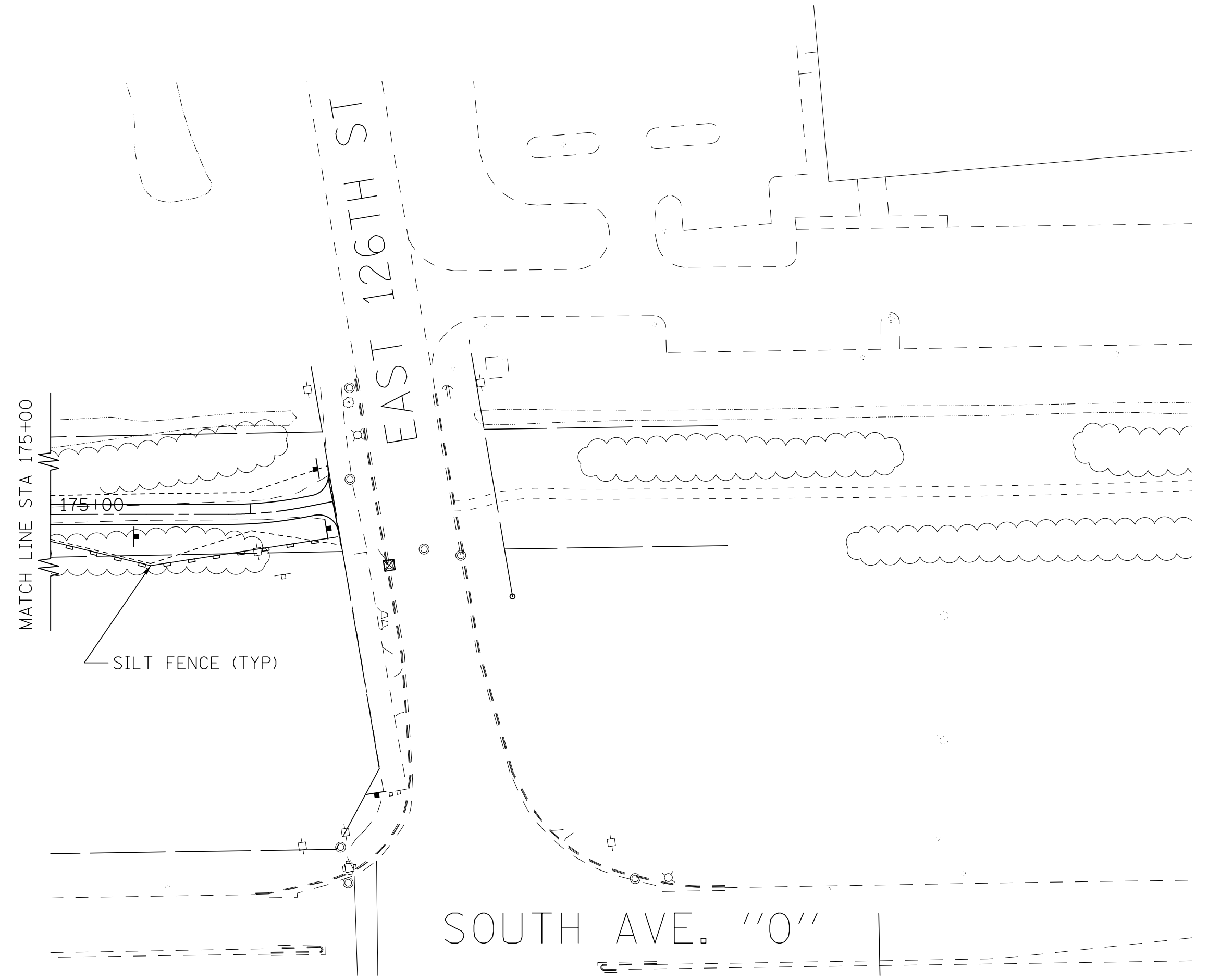
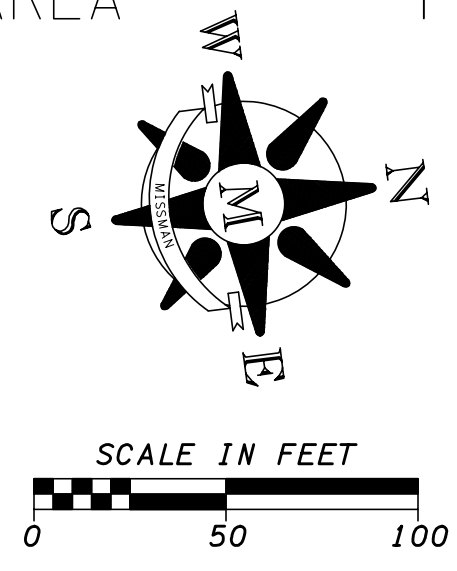
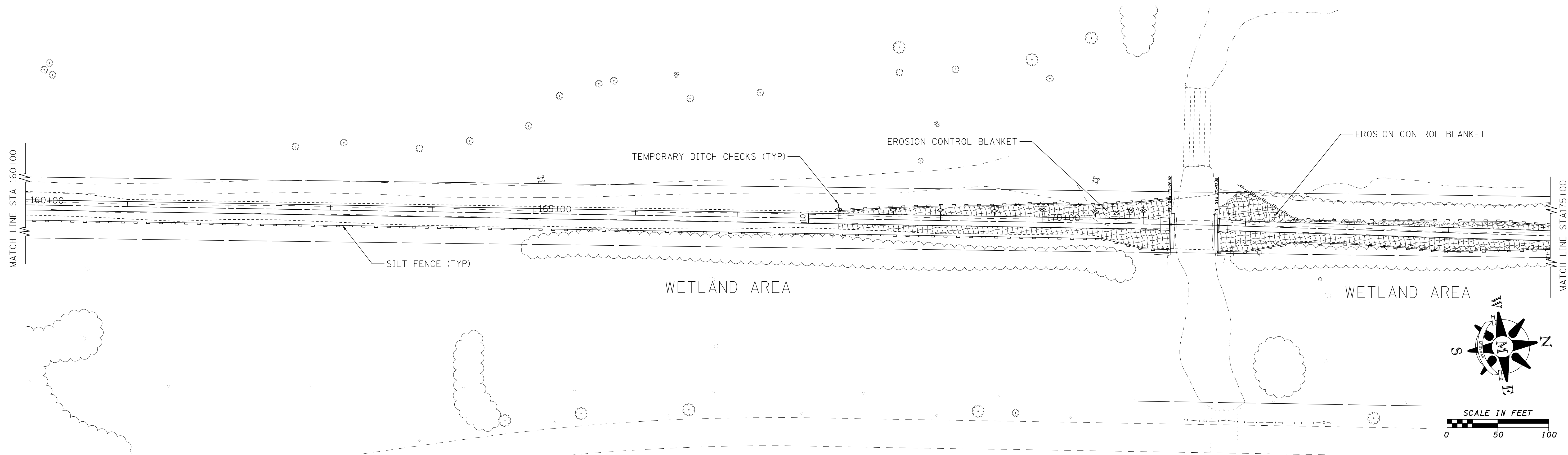
333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL – EROSION CONTROL PLAN**

SCALE: 1" = 50'    SHEET NO. 3 OF 5 SHEETS    STA. 130+00 TO STA. 160+00

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 22        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

FILE NAME = G:\2010\TRANSPORT\2010\BURNHAM\EROSION\_CONTROL.dgn



- LEGEND**
- INLET & PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - PERIMETER EROSION BARRIER
  - EROSION CONTROL BLANKET

|                             |                |           |
|-----------------------------|----------------|-----------|
| USER NAME = andrew1         | DESIGNED - MJK | REVISED - |
|                             | DRAWN - MJK    | REVISED - |
| PLOT SCALE = 50.0000' / in. | CHECKED - FJH  | REVISED - |
| PLOT DATE = 3/12/2015       | DATE - 2-2-11  | REVISED - |

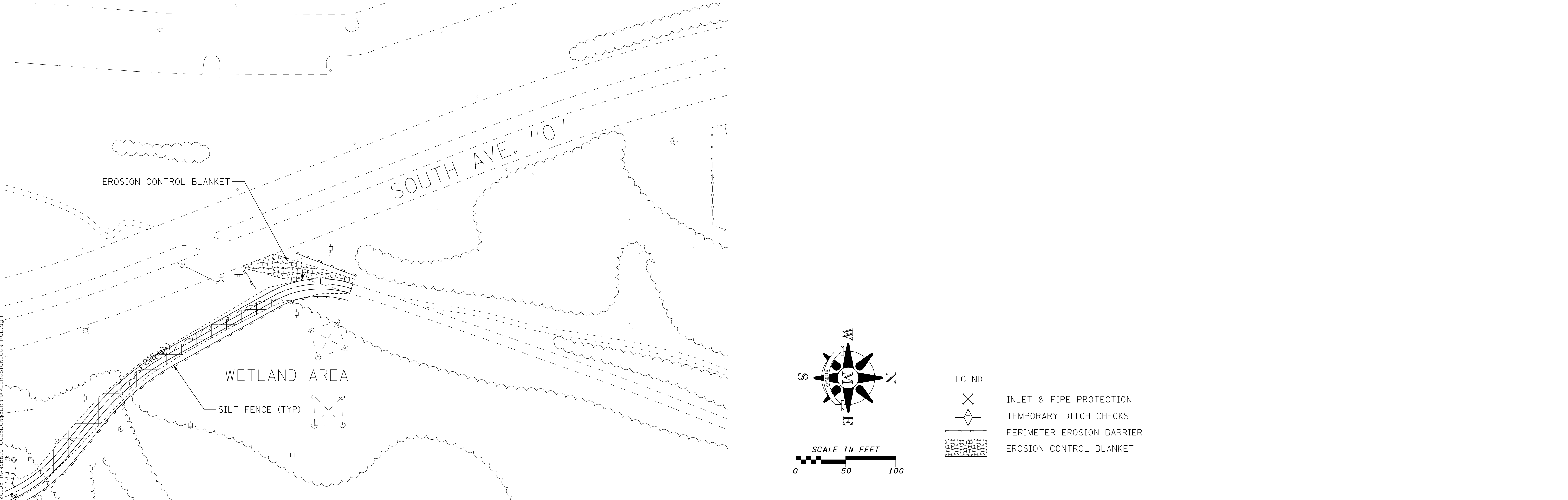
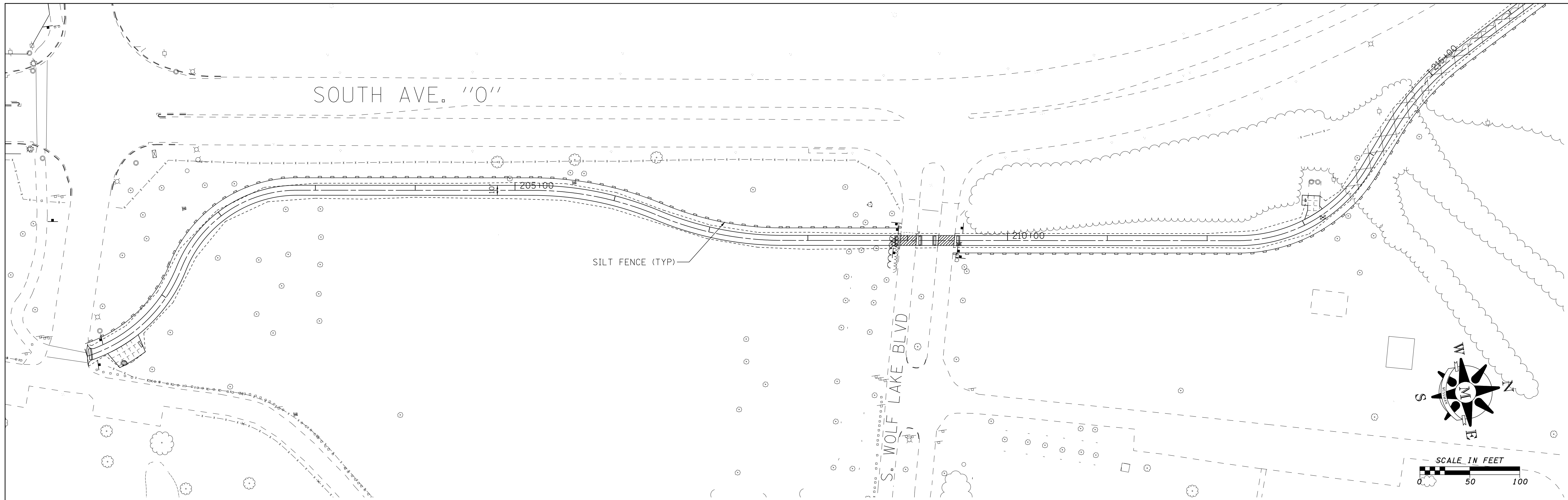


333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

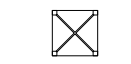
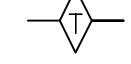


|  |                         |                            |
|--|-------------------------|----------------------------|
| <b>ILLINOIS DEPARTMENT OF NATURAL RESOURCES</b>      |                         |                            |
| <b>BURNHAM GREENWAY TRAIL - EROSION CONTROL PLAN</b> |                         |                            |
| SCALE: 1" = 50'                                      | SHEET NO. 4 OF 5 SHEETS | STA. 160+00 TO STA. 176+41 |

| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
|                           |         | COOK   | 70           | 23        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |





FILE NAME = C:\P2010\TRANS\BLOT\02\BURNHAM\EROSION\_CONTROL.dwg

- LEGEND**
-  INLET & PIPE PROTECTION
  -  TEMPORARY DITCH CHECKS
  -  PERIMETER EROSION BARRIER
  -  EROSION CONTROL BLANKET

|                                |                |           |
|--------------------------------|----------------|-----------|
| USER NAME = andrew1            | DESIGNED - MJK | REVISED - |
|                                | DRAWN - MJK    | REVISED - |
| PLOT SCALE = 50.0000' / 1" IN. | CHECKED - FJH  | REVISED - |
| PLOT DATE = 3/12/2015          | DATE - 2-2-11  | REVISED - |

**Missman, Inc.**  
Professional Engineers & Land Surveyors

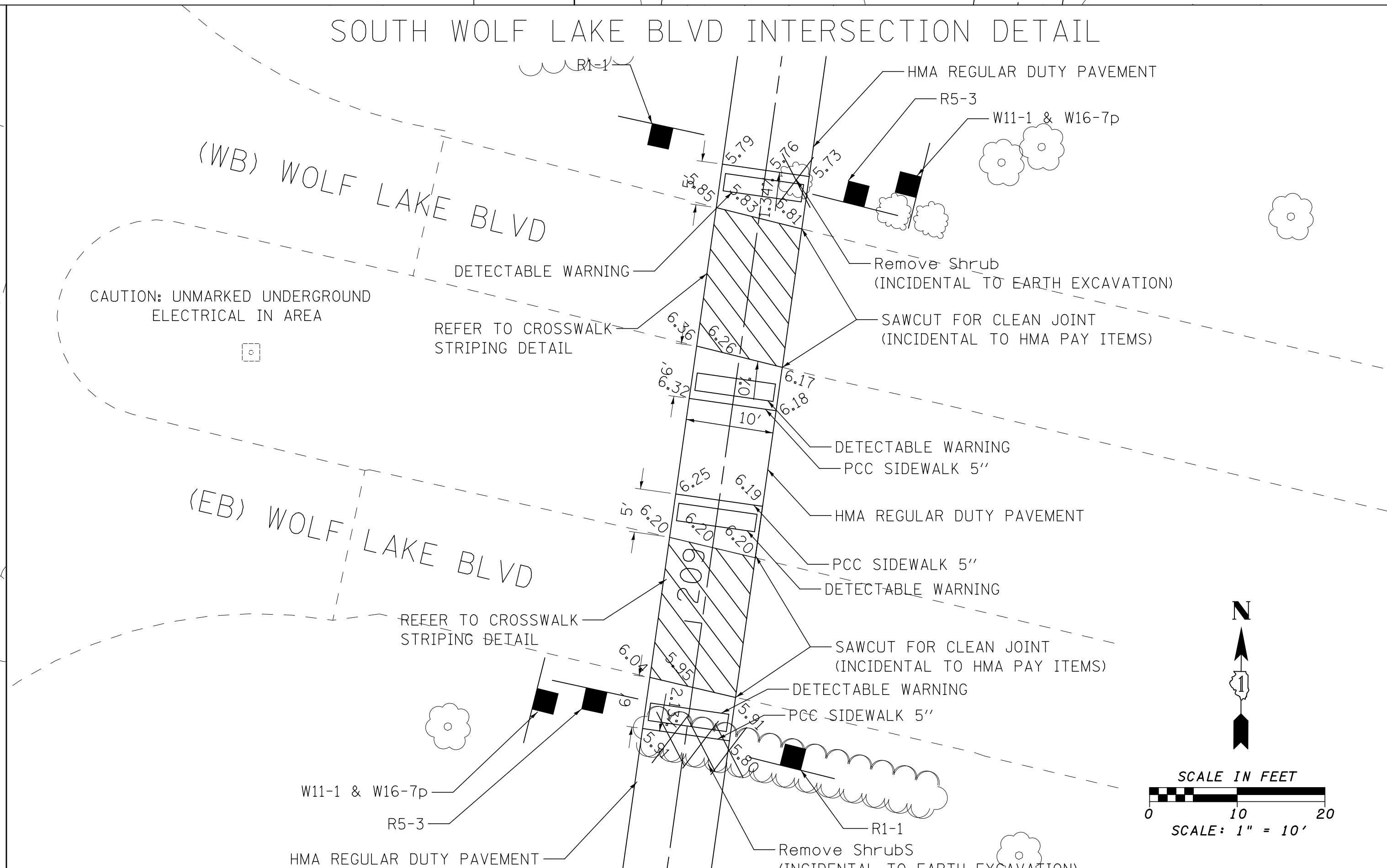
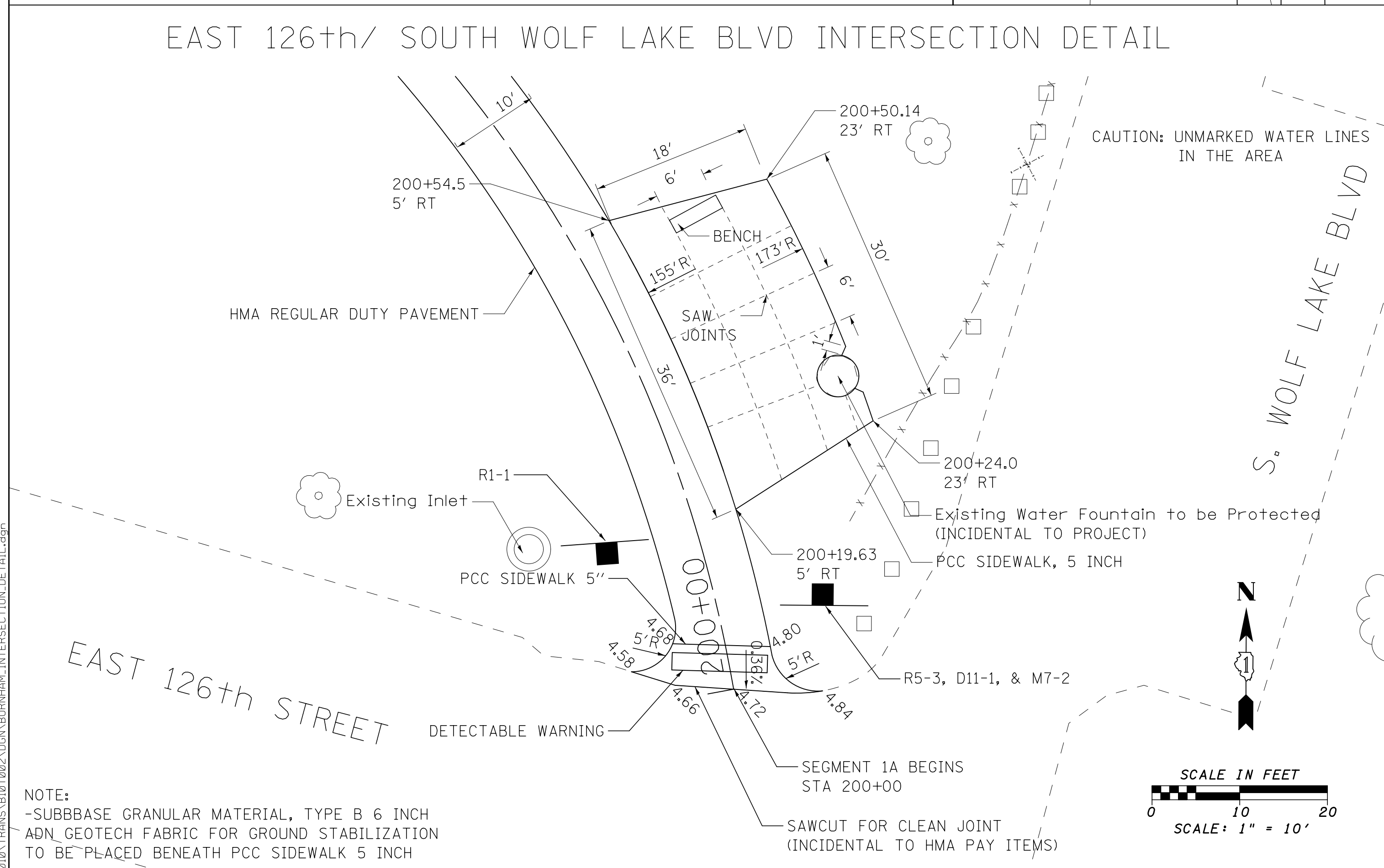
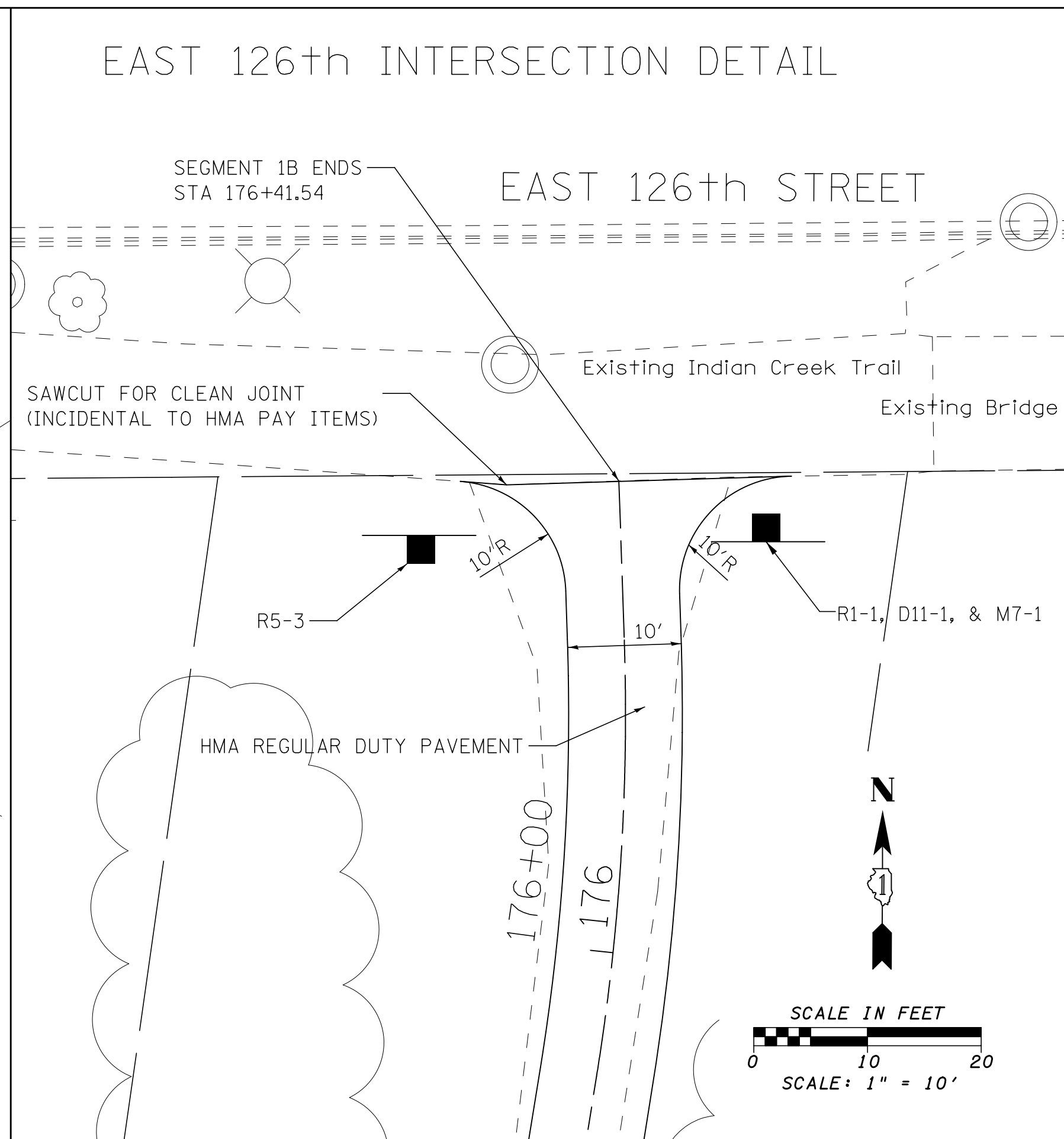
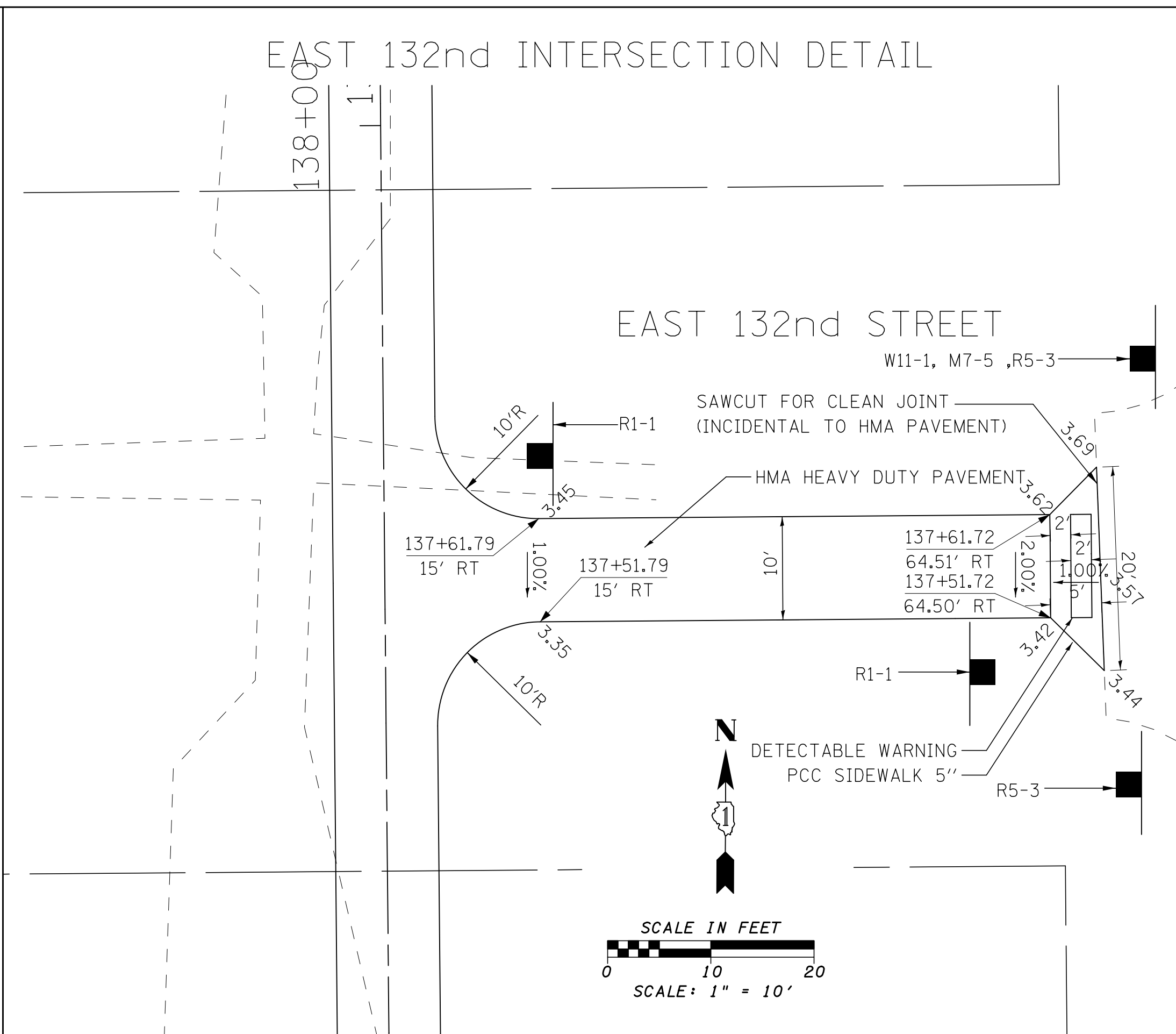
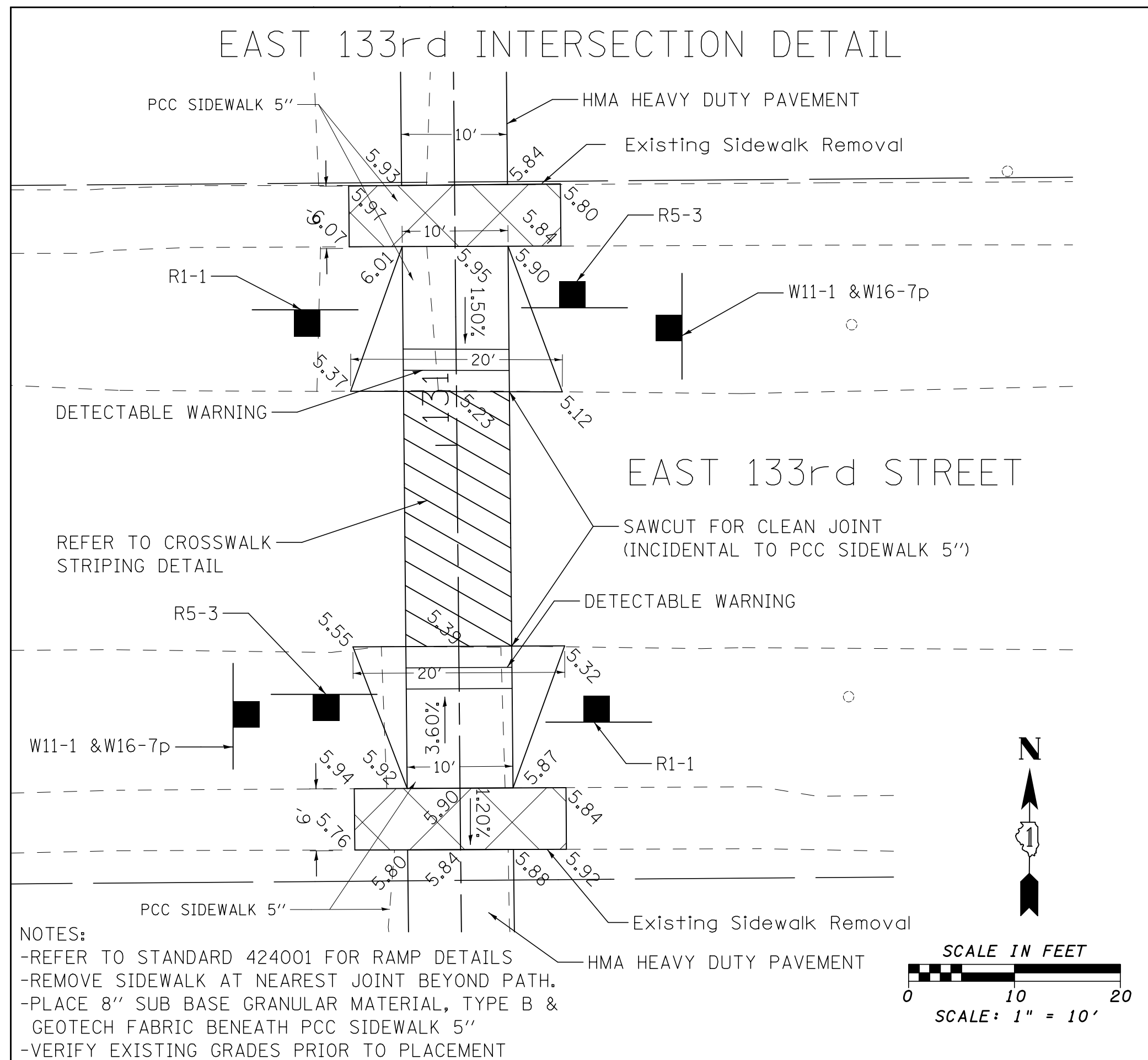
333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - EROSION CONTROL PLAN**

SCALE: 1" = 50'    SHEET NO. 5 OF 5 SHEETS    STA. 200+00 TO STA. 217+31

| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
|                           |         | COOK   | 70           | 24        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |





FILE NAME = G:\2010\TRANS\BL01022\ODAN\BURNHAM\_INTERSECTION\_DETAIL.dgn

|                          |                |           |
|--------------------------|----------------|-----------|
| USER NAME = andrew1      | DESIGNED - MJK | REVISED - |
| DRAWN - MJK              | REVISOR -      |           |
| PLOT SCALE = 10.0000 "/> |                |           |
| CHECKED - FJH            | REVISOR -      |           |
| DATE - 3/12/2015         | DATE - 3-11-11 | REVISED - |



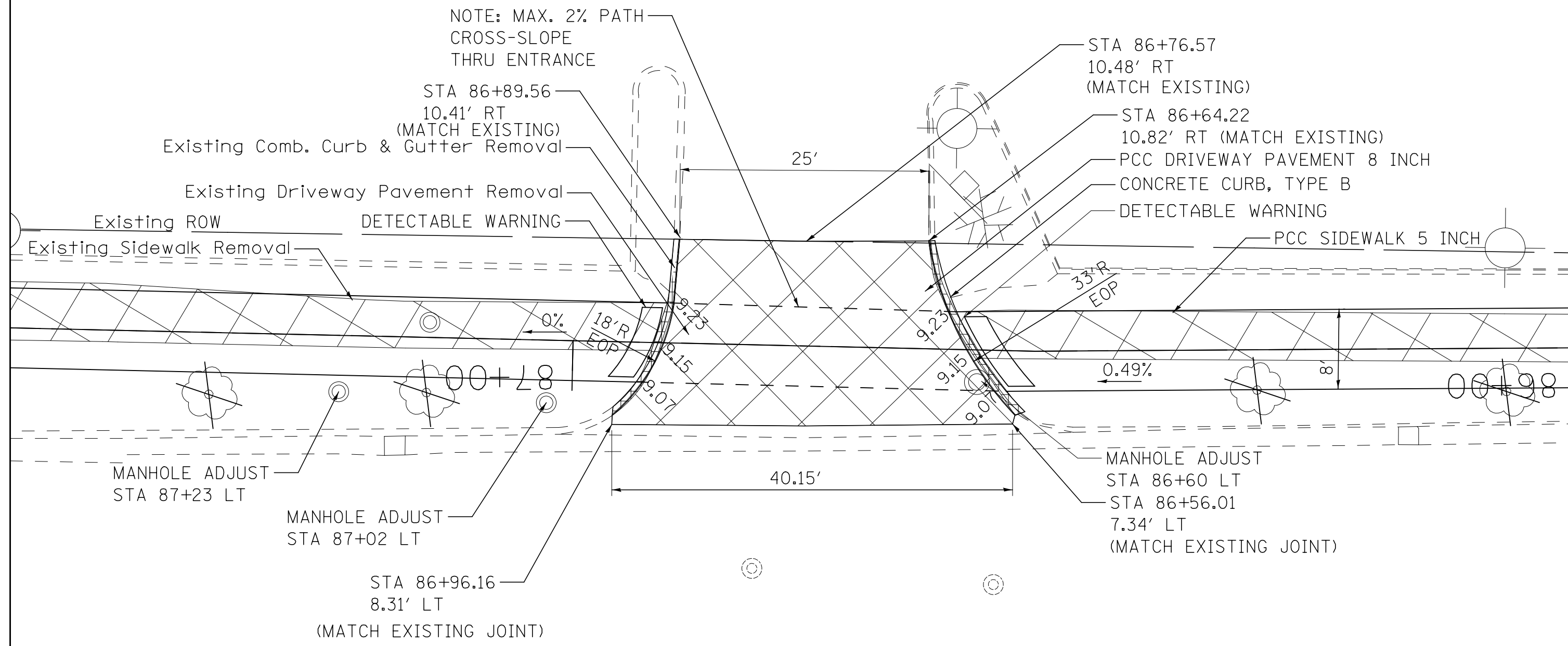
333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - INTERSECTION DETAILS**  
 SCALE: 1" = 10' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 26        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

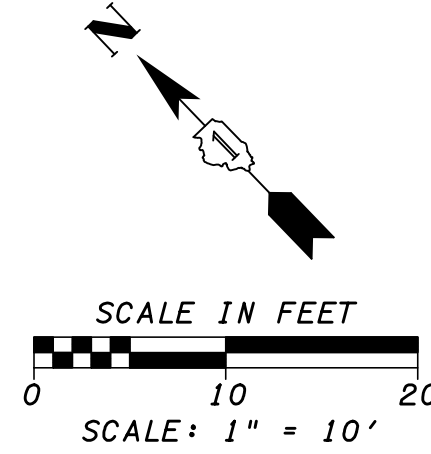


BURGER KING ENTRANCE DETAIL

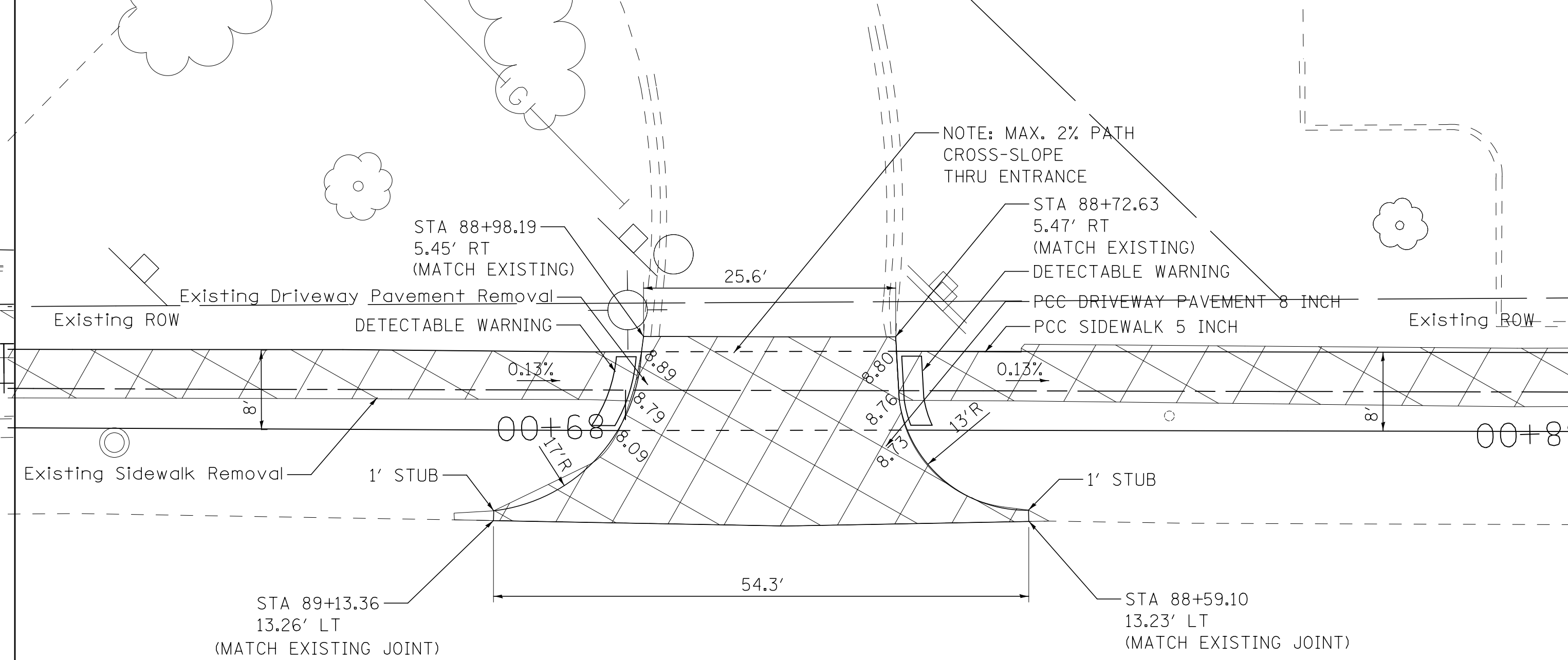


- NOTES:
- REFER TO STANDARD BD-01 FOR ENTRANCE DETAILS
  - CONTRACTOR TO CONSTRUCT ENTRANCE HALF AT A TIME.
  - CONTRACTOR TO COORDINATE WITH BURGER KING ON SCHEDULE OF ENTRANCE WORK.
  - CONTRACTOR TO PLACE MINIMUM OF 4" SUB BASE GRAN MATERIAL TYPE B BENEATH PCC DRIVEWAY PAVEMENT 8" (INCIDENTAL TO DRIVEWAY PAVEMENT)
  - 2'X7' DETECTABLE WARNINGS SHALL BE PLACED ON EITHER SIDE OF ENTRANCE, AND SHALL BE PLACED IN ACCORDANCE TO STD 424026.
  - VERIFY EXISTING GRADES PRIOR TO PLACEMENT

SOUTH BRAINARD AVENUE

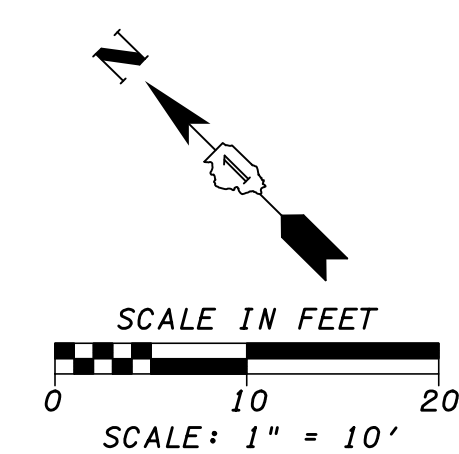


METRA PARKING ENTRANCE DETAIL

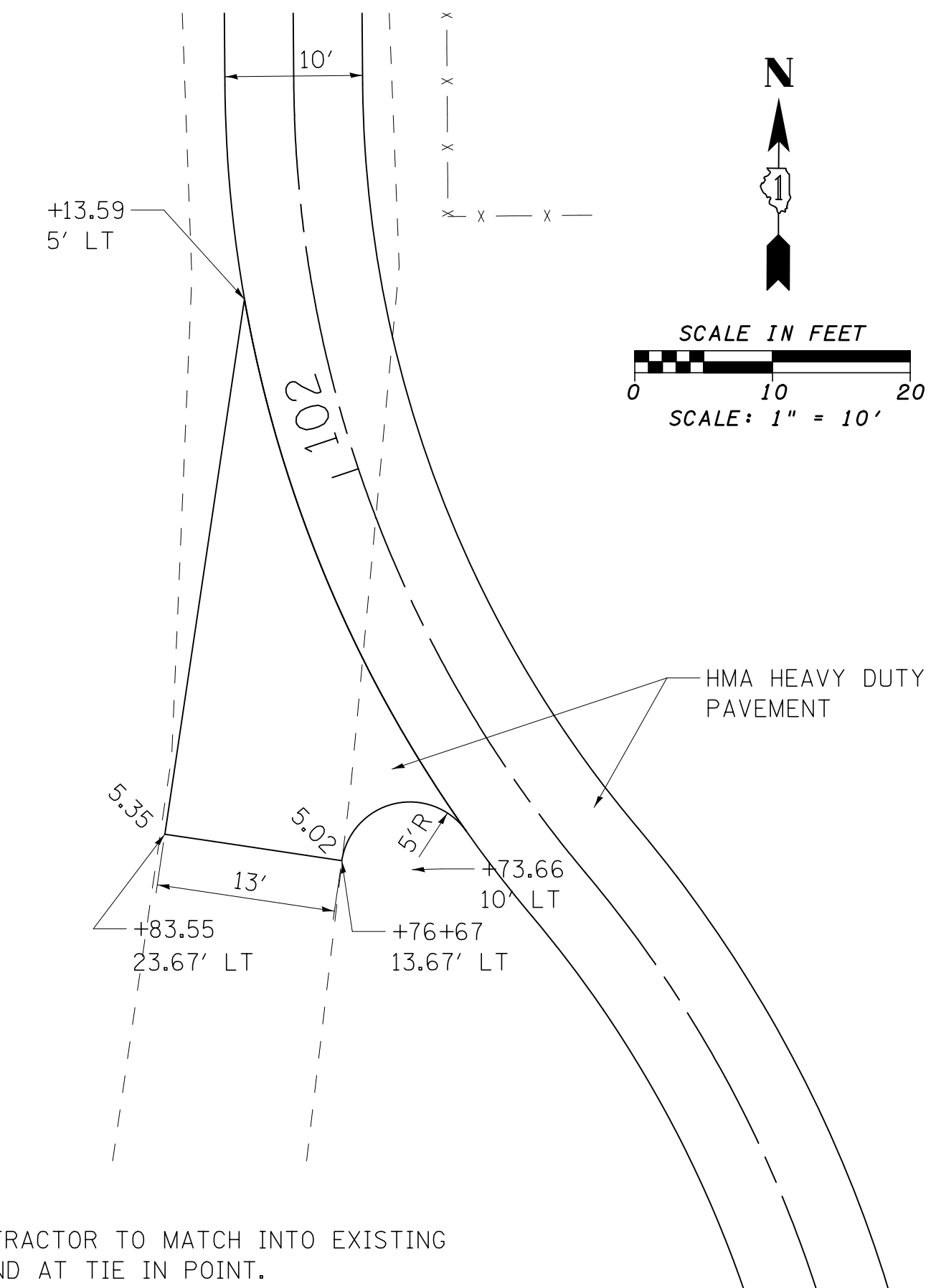


- NOTES:
- REFER TO STANDARD BD-01 FOR ENTRANCE DETAILS
  - CONTRACTOR TO CONSTRUCT ENTRANCE HALF AT A TIME.
  - CONTRACTOR TO COORDINATE WITH METRA ON SCHEDULE OF ENTRANCE WORK.
  - CONTRACTOR TO PLACE MINIMUM OF 4" SUB BASE GRAN MATERIAL TYPE B BENEATH PCC DRIVEWAY PAVEMENT 8" (INCIDENTAL TO DRIVEWAY PAVEMENT)
  - 2'X7' DETECTABLE WARNINGS SHALL BE PLACED ON EITHER SIDE OF ENTRANCE, AND SHALL BE PLACED IN ACCORDANCE TO STD 424026.
  - VERIFY EXISTING GRADES PRIOR TO PLACEMENT

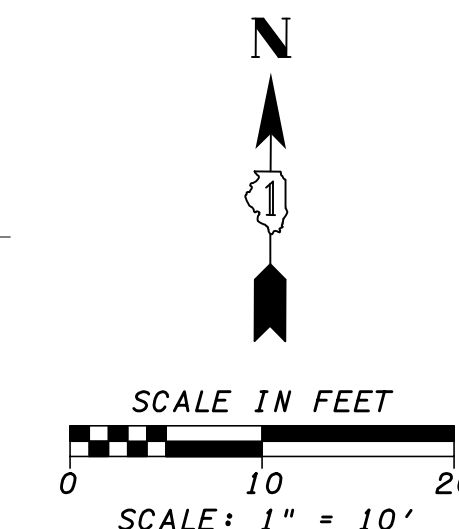
SOUTH BRAINARD AVENUE



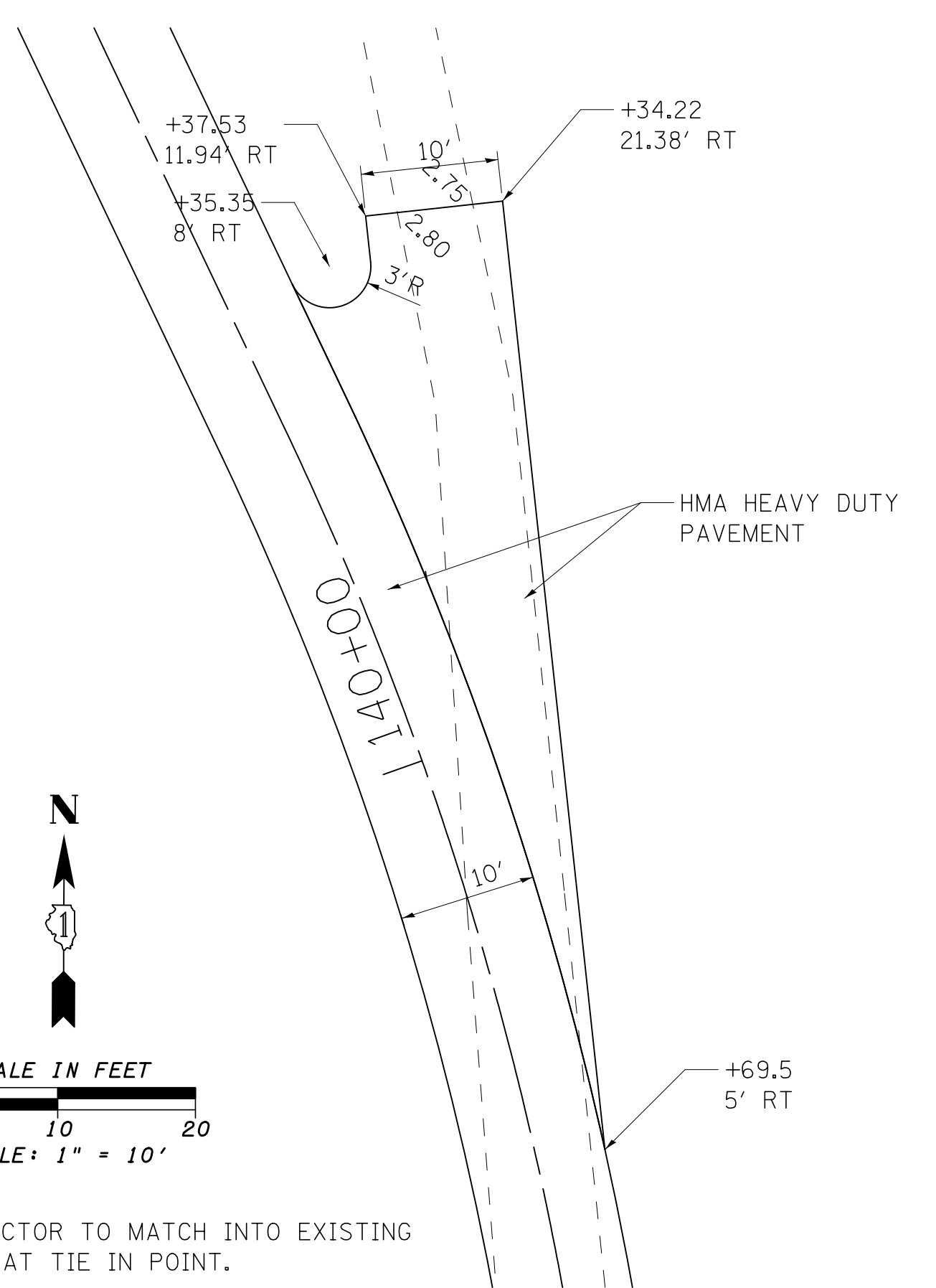
COMED ENTRANCE STA 101+00



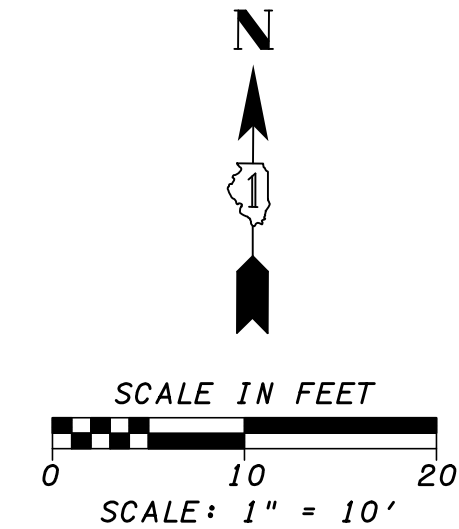
- NOTE:
- CONTRACTOR TO MATCH INTO EXISTING GROUND AT TIE IN POINT.



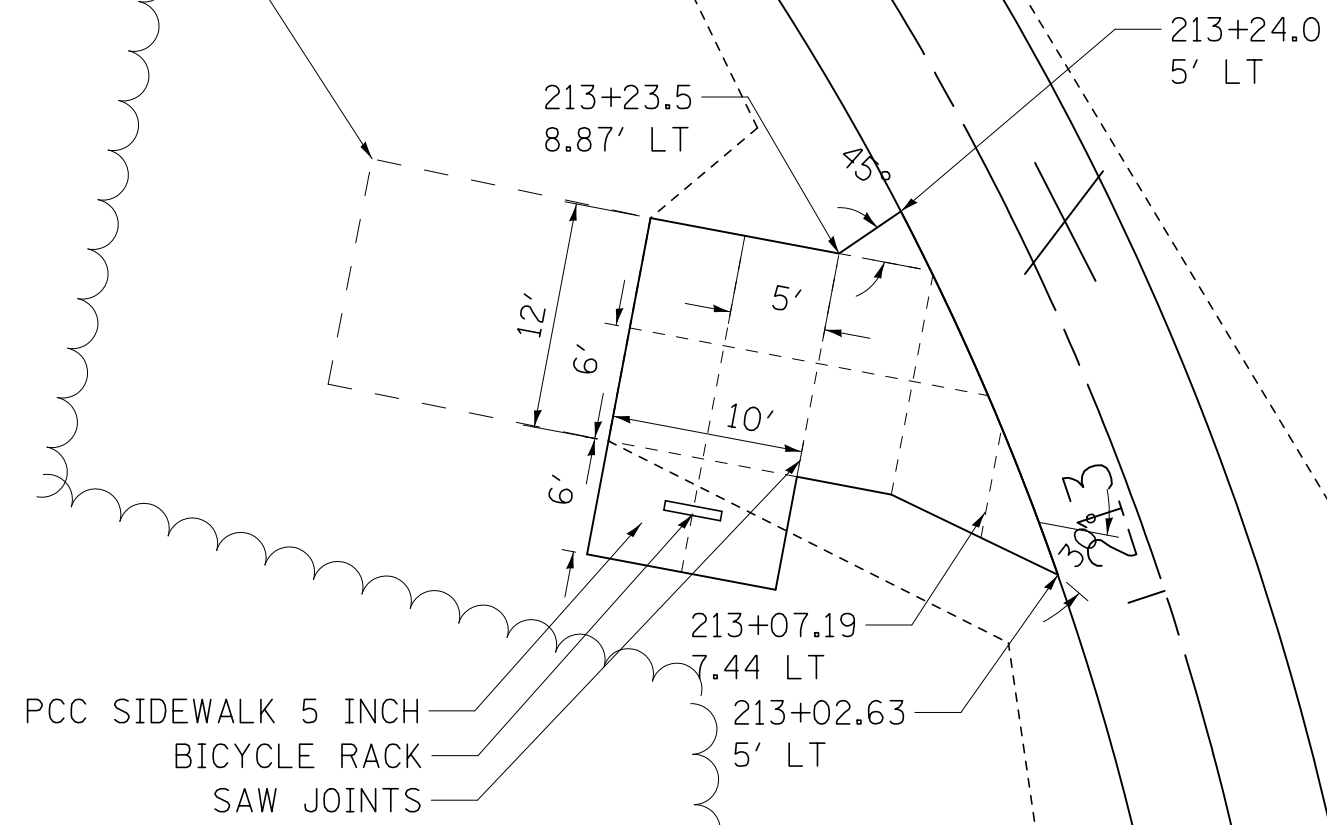
COMED ENTRANCE STA 140+00



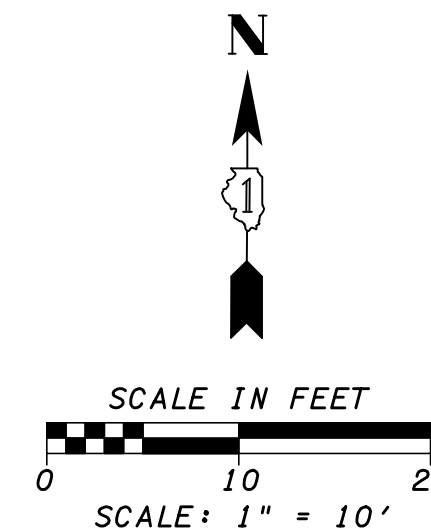
- NOTE:
- CONTRACTOR TO MATCH INTO EXISTING GROUND AT TIE IN POINT.



Existing Concrete Pad



- NOTE:
- SUBBASE GRANULAR MATERIAL, TYPE B 6 INCH AND GEOTECH FABRIC FOR GROUND STABILIZATION TO BE PLACED BENEATH PCC SIDEWALK 5 INCH



FILE NAME = G:\2010 TRANS\BURNHAM\BURNHAM\_INTERSECTION\_DETAIL.dgn

|                             |                |             |
|-----------------------------|----------------|-------------|
| USER NAME = andrew1         | DESIGNED - MJK | REVISED -   |
| DRAWN - MJK                 | REVISIONS -    |             |
| PLOT SCALE = 10.0000' / in. | CHECKED - FJH  | REVISIONS - |
| PLOT DATE = 3/12/2015       | DATE - 3-11-11 | REVISIONS - |



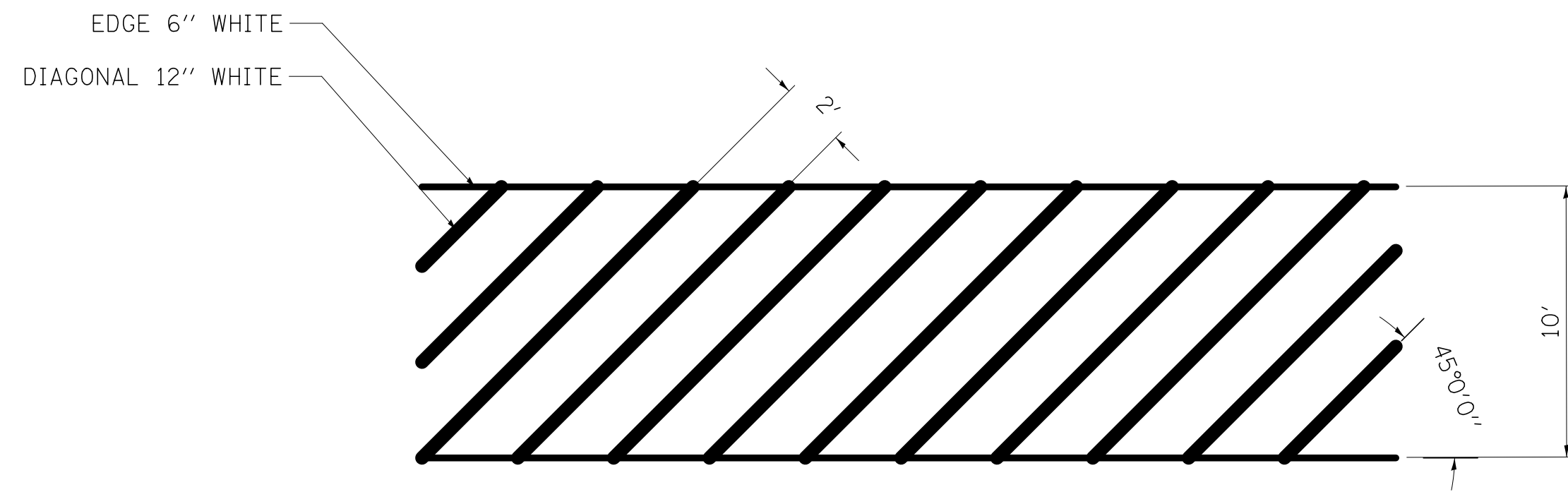
333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
BURNHAM GREENWAY TRAIL - INTERSECTION DETAILS

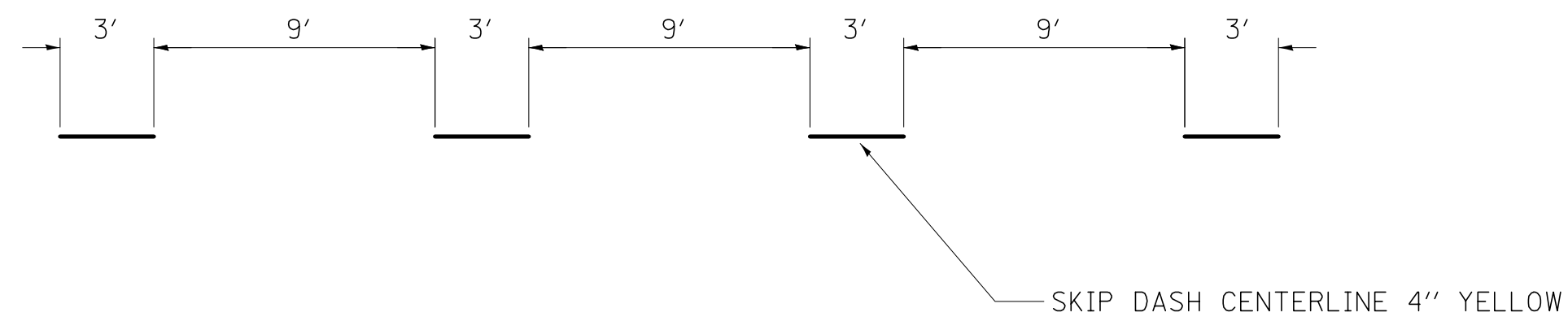
SCALE: 1" = 10' SHEET NO. 3 OF 4 SHEETS STA. TO STA.

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 27        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

CROSSWALK STRIPING DETAIL

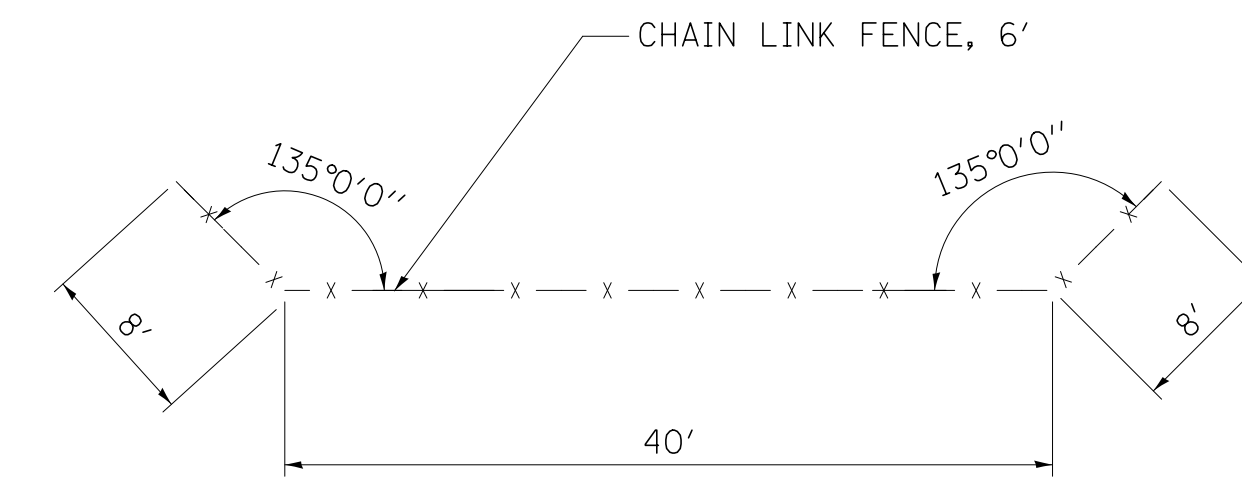


CENTERLINE STRIPING DETAIL



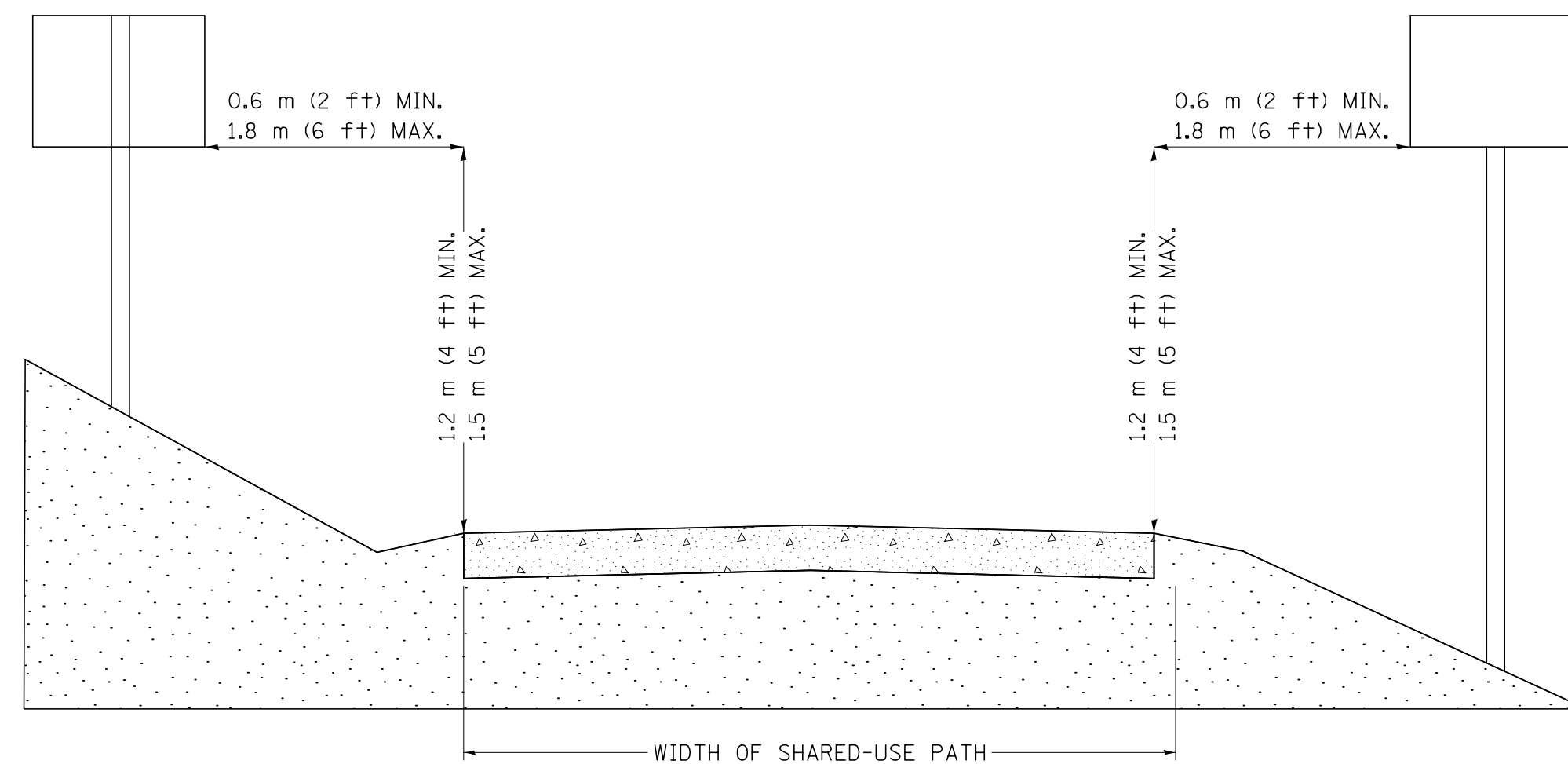
NOTE:  
 -STRIPING SHALL COMPLY WITH IDOT, D1 STANDARD TC-13 AND IDOT HIGHWAY STANDARD 780001.  
 -CENTERLINE STRIPING TO BE 3' DASH WITH 9' GAP PER SECTION 9 OF MUTCD.

6' FENCE HIGH CHAIN LINK FENCE DETAIL



NOTE:  
 -CHAIN LINK FENCE TO BE CONSTRUCTED TO HIGHWAY STANDARD 664001.  
 -CONTRACTOR TO COORDINATE WITH COMED PRIOR TO PLACEMENT.

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES  
 PART 9: BICYCLE FACILITIES



SECTION 9B.01 APPLICATION AND PLACEMENT OF SIGNS

-BICYCLE SIGNS SHALL BE STANDARD IN SHAPE, LEGEND, AND COLOR.  
 -ALL SIGNS SHALL BE RETROREFLECTORIZED FOR USE ON BIKEWAYS, INCLUDING SHARED-USE PATHS AND BICYCLE LANE FACILITIES.  
 -WHERE SIGNS SERVE BOTH BICYCLISTS AND OTHER ROAD USERS, VERTICAL MOUNTING HEIGHT AND LATERAL PLACEMENT SHALL BE AS SPECIFIED IN PART 2 OF THE MUTCD.  
 -SIGNS FOR THE EXCLUSIVE USE OF BICYCLISTS SHOULD BE LOCATED SO THAT DRIVERS ARE NOT CONFUSED BY THEM.

"WALK BIKE TO SIDEWALK" SIGN DETAIL



NOTE:  
 -SIGN SIZE AND LETTERING DIMENSIONS SHALL COMPLY WITH MUTCD GUIDELINES.  
 -SIGN MATERIAL AND PLACEMENT SHALL COMPLY "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

FILE NAME = G:\2010\TRANS\BURNHAM\BURNHAM\_INTERSECTION\_DETAIL.dgn

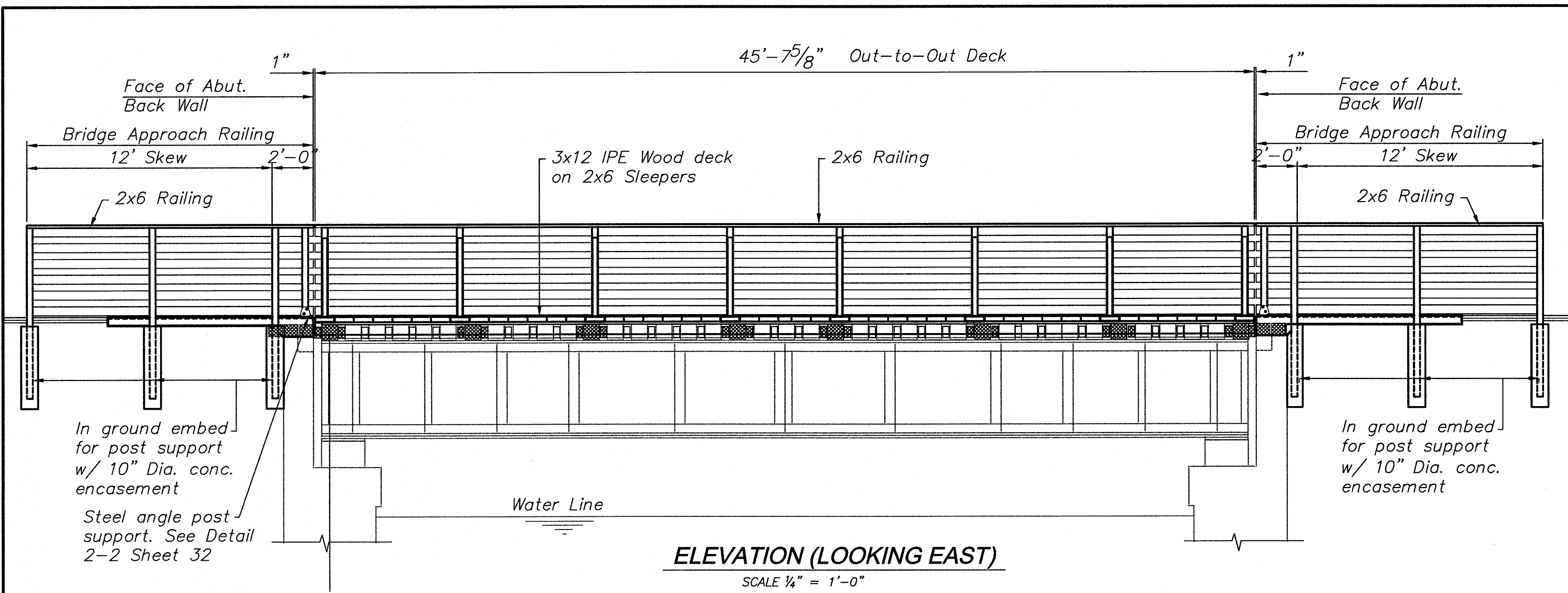
|                              |                |           |
|------------------------------|----------------|-----------|
| USER NAME = andrew1          | DESIGNED - MJK | REVISED - |
| PLOT SCALE = 10.0000 1/1 in. | DRAWN - MJK    | REVISED - |
| PLOT DATE = 3/12/2015        | CHECKED - FJH  | REVISED - |
|                              | DATE - 3-11-11 | REVISED - |



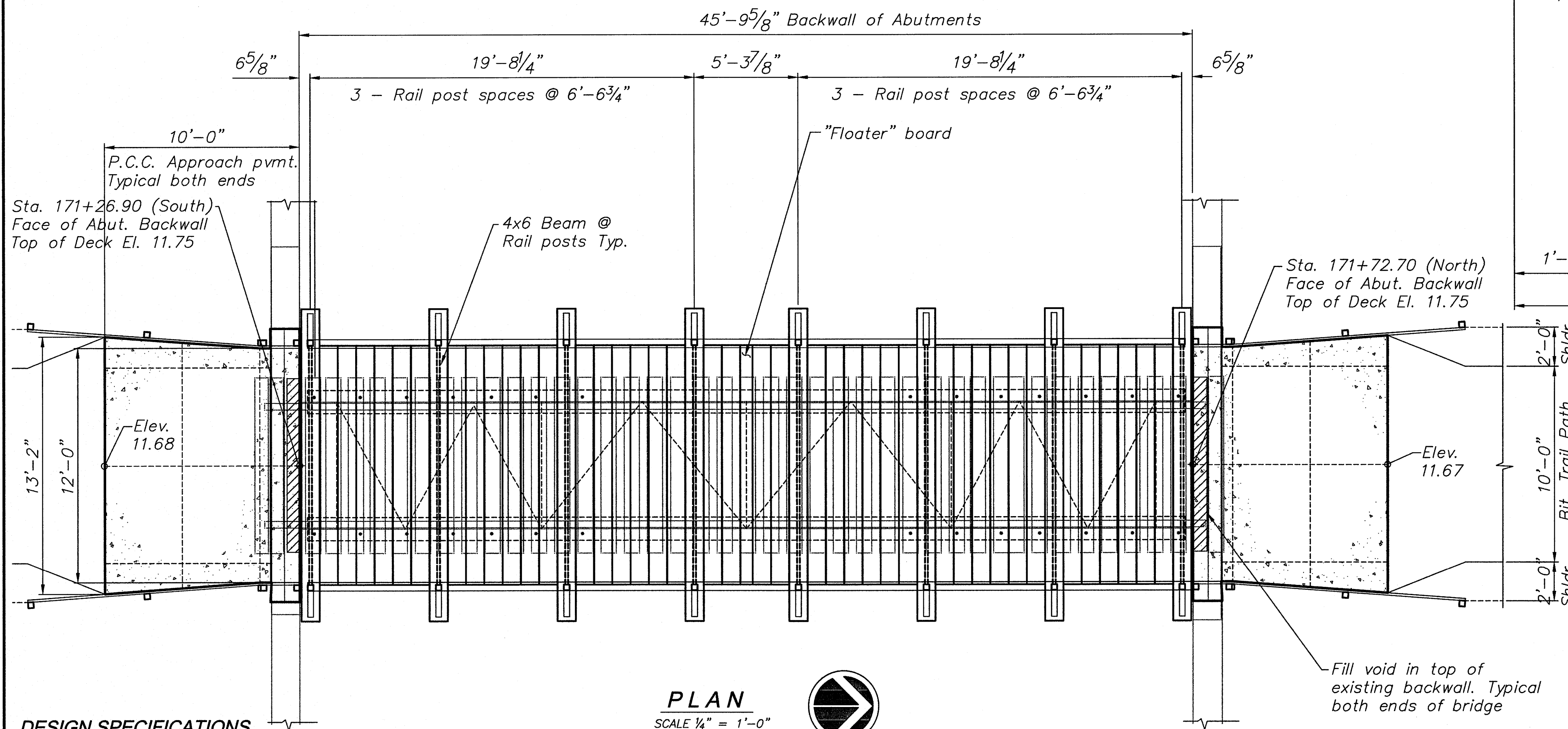
333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
 BURNHAM GREENWAY TRAIL - DETAILS  
 SCALE: 1" = 10' SHEET NO. 4 OF 4 SHEETS STA. TO STA.

| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
|                           |         | COOK   | 70           | 28        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



**ELEVATION (LOOKING EAST)**  
SCALE 1/4" = 1'-0"



**PLAN**  
SCALE 1/4" = 1'-0"

**DESIGN SPECIFICATIONS**  
2002 AASHTO Standard Specifications and 1997 AASHTO Guide Specifications for Design of Pedestrian Bridges.

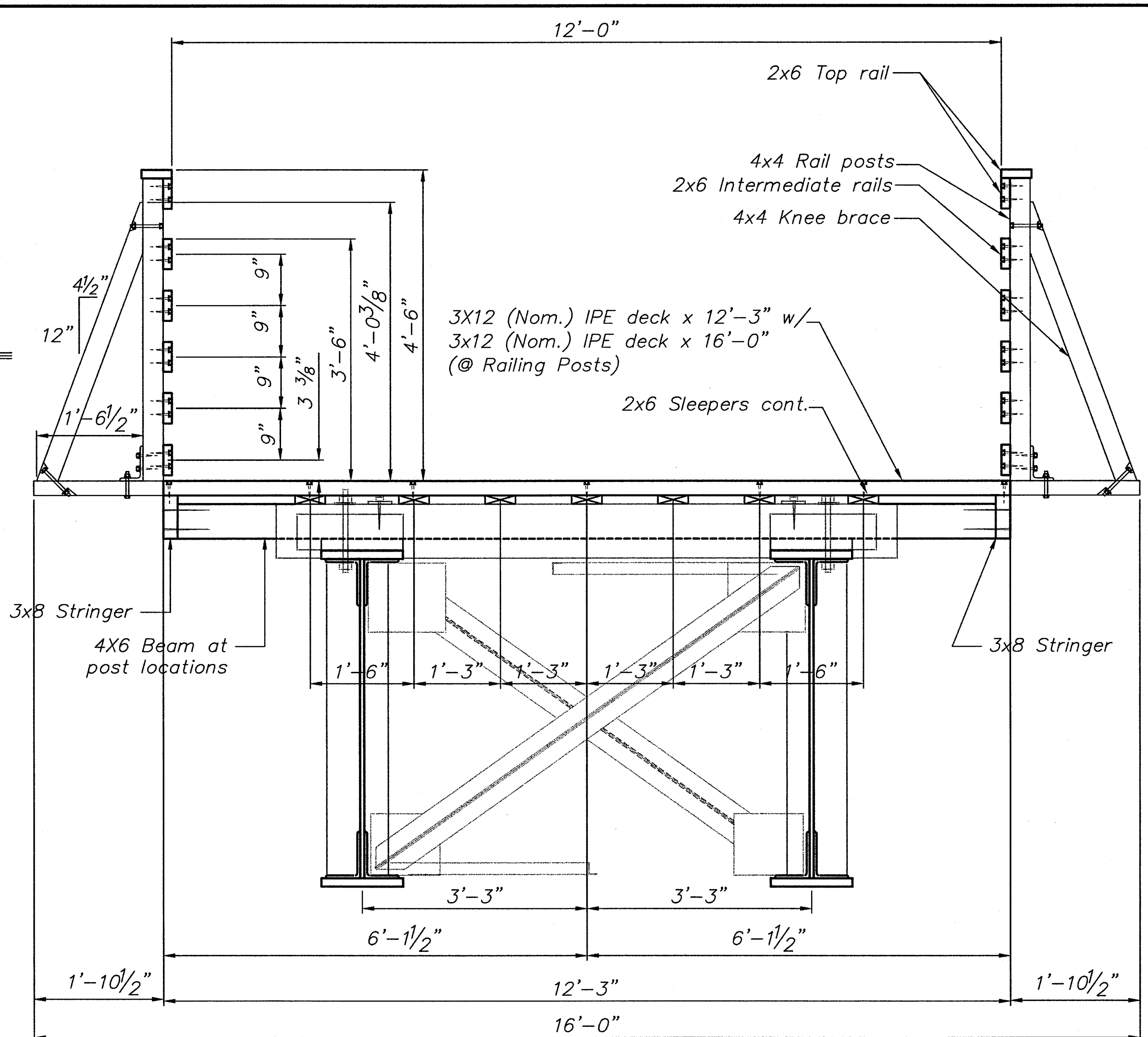
**LOADING**  
85 psf Uniform Live Load  
35 psf Wind Loading  
H-Truck Loading (12,500 lbs)

**DESIGN STRESSES**  
f'c = 3,500 psi (Concrete)  
fy = 60,000 psi (Reinforcement)  
fy = 36,000 psi (Other Structural Steel Shapes, Plate and Bars).  
AASHTO M270, Grade 36

**WOOD DESIGN STRESSES**  
f'b = 22,560 psi (IPE)  
f'b = Range 1250 - 1500 psi (S. Pine)

I certify that to the best of my knowledge, information and belief this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO "Standard Specifications for Highway Bridges" and also the "Guide Specifications for Design of Pedestrian Bridges."

*John B. Fellman*  
John B. Fellman, SE  
License expires 11-30-2016  
3-12-2015  
Date



**TYPICAL PROPOSED BRIDGE SECTION**  
SCALE 3/4" = 1'-0"

**BILL OF MATERIAL-BRIDGE**

| ITEM                               | UNIT    | TOTAL |
|------------------------------------|---------|-------|
| WOOD POST AND RAIL FENCE           | FOOT    | 56    |
| BRIDGE APPROACH PAVEMENT (SPECIAL) | SQ. YD. | 29.0  |
| BRIDGE FENCE RAILING (SPECIAL)     | FOOT    | 92    |
| TIMBER DECK REPLACEMENT            | L.SUM   | 1.0   |

**GENERAL NOTES**

- All wood is to be treated, except for the IPE deck boards.
- All hardware is to be hot-dipped galvanized, except for the fasteners used to attach the IPE deck boards which shall be stainless steel.
- All wood sizes are annotated with nominal dimensions.
- All existing bolts shall be cutoff flush with nut head used to attach existing RR ties and metal tie strap.
- IPE deck boards to be installed with tight joints. Full width boards to be set across entire span with a ripped "floater" board to be placed in the center of the span to account for leftover width.
- Deck boards shall be installed with cup down.
- All fabricated steel shall be hot-dipped galvanized per AASHTO M232.
- For excavation and embankment quantities, see roadway plans.

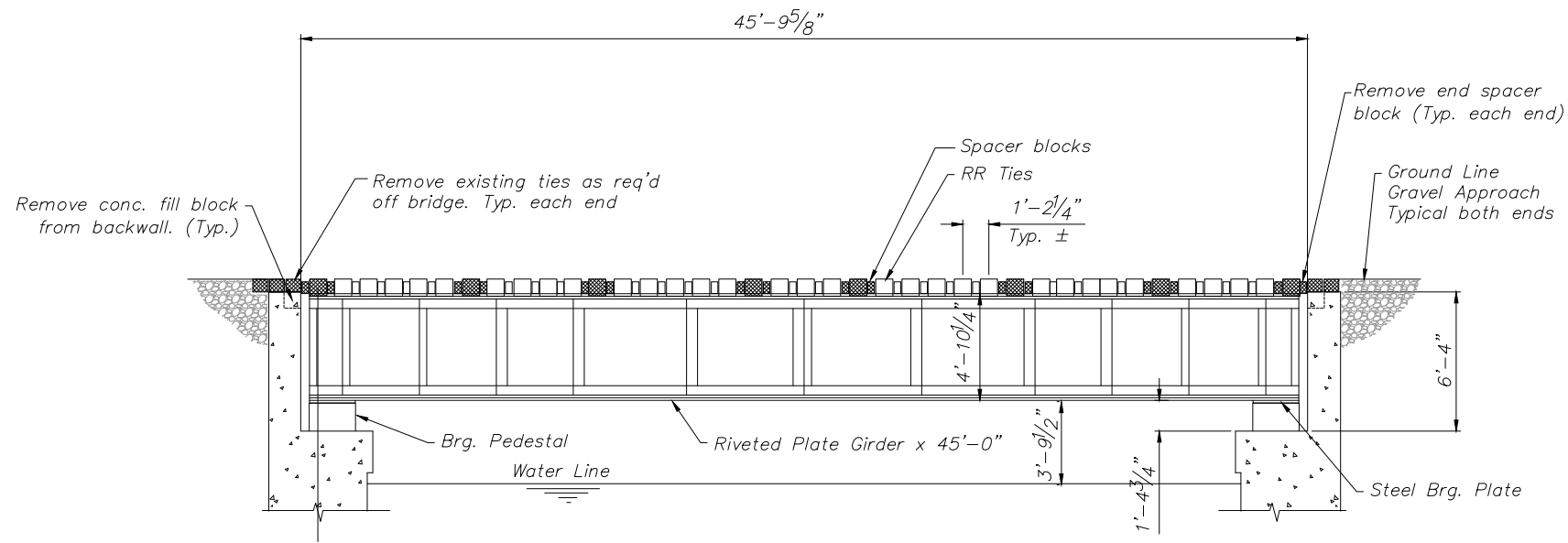
|             |             |                 |            |
|-------------|-------------|-----------------|------------|
| FILE NAME = | USER NAME = | DESIGNED -- MAM | REVISED -- |
|             |             | DRAWN -- RAP    | REVISED -- |
|             |             | CHECKED -- JBF  | REVISED -- |
|             |             | DATE --         | REVISED -- |

**Missman, Inc.**  
Professional Engineers & Land Surveyors  
PH(309)788-7644 ROCK ISLAND, ILLINOIS FAX(309)788-7691

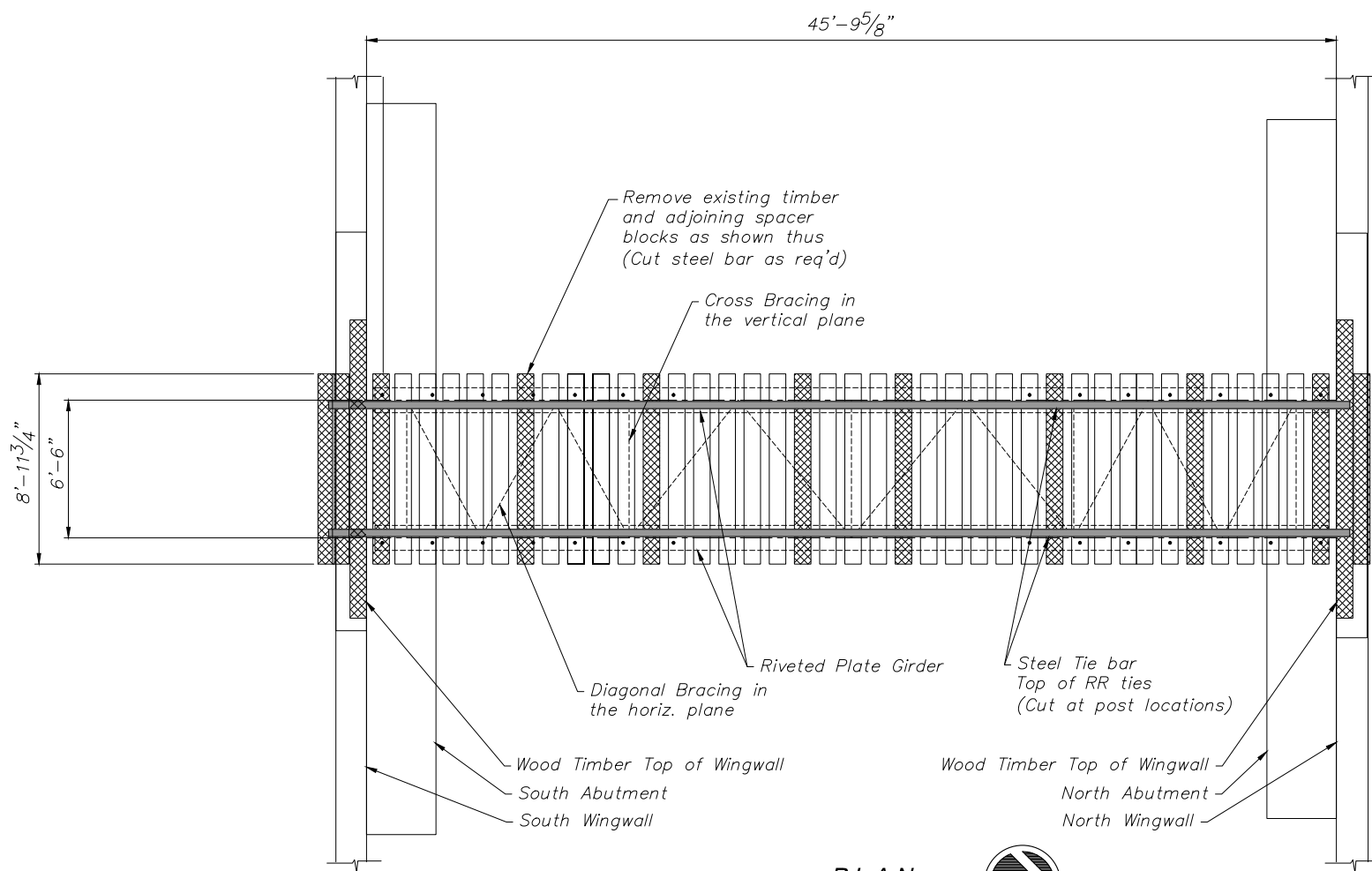
ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
BURNHAM GREENWAY TRAIL-GENERAL PLAN & ELEVATION  
SHEET NO. 1 OF 3 SHEETS

|                    |                      |        |   |           |
|--------------------|----------------------|--------|---|-----------|
| F.A. RTE.          | SECTION              | COUNTY | TOTAL SHEETS                                    | SHEET NO. |
|                    | GIT-Burnham Greenway | COOK   | 62  | 29        |
| CONTRACT NO. 46301 |                      |        | FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT |           |

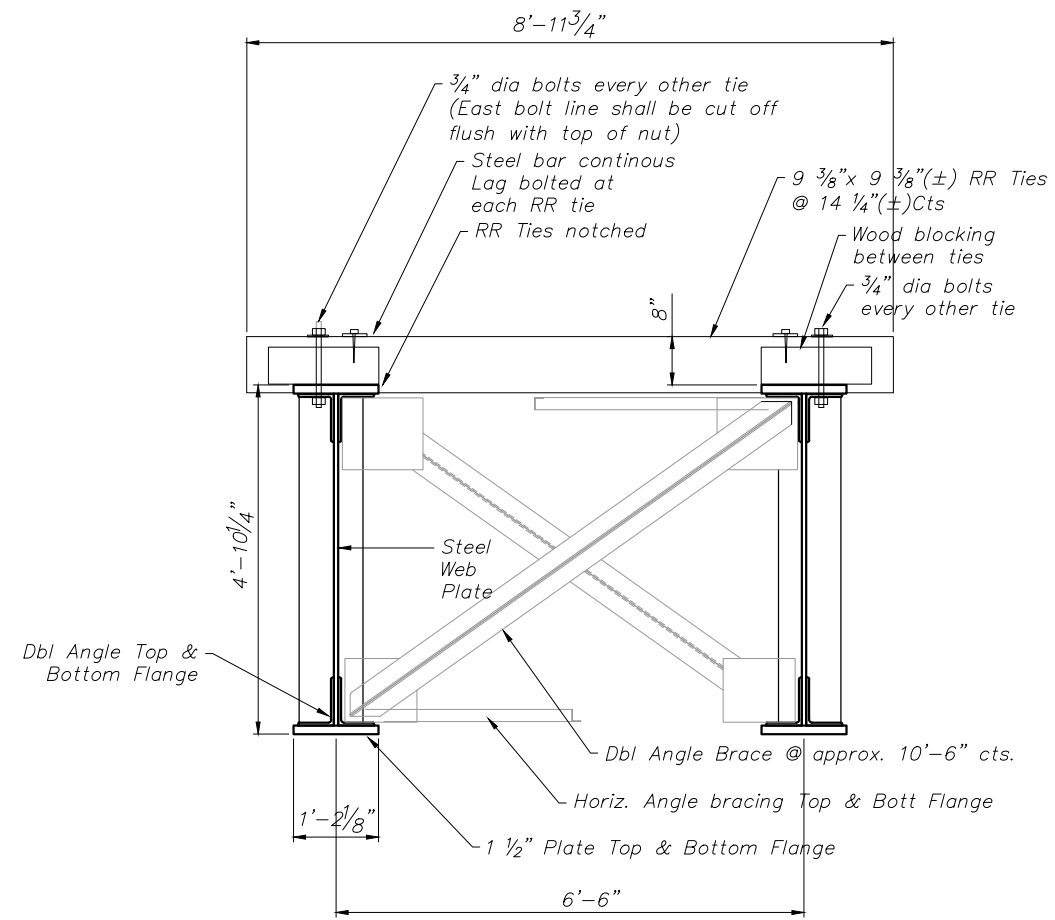




**ELEVATION (LOOKING EAST)**  
SCALE 1/4" = 1'-0"



**PLAN**  
SCALE 1/4" = 1'-0"



**TYPICAL EXISTING BRIDGE SECTION**  
SCALE 3/4" = 1'-0"

|             |             |               |           |
|-------------|-------------|---------------|-----------|
| FILE NAME = | USER NAME = | DESIGNED -    | REVISED - |
|             |             | DRAWN - RAP   | REVISED - |
|             |             | CHECKED - JBF | REVISED - |



ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
BURNHAM GREENWAY TRAIL-EXISTING BRIDGE & REMOVAL

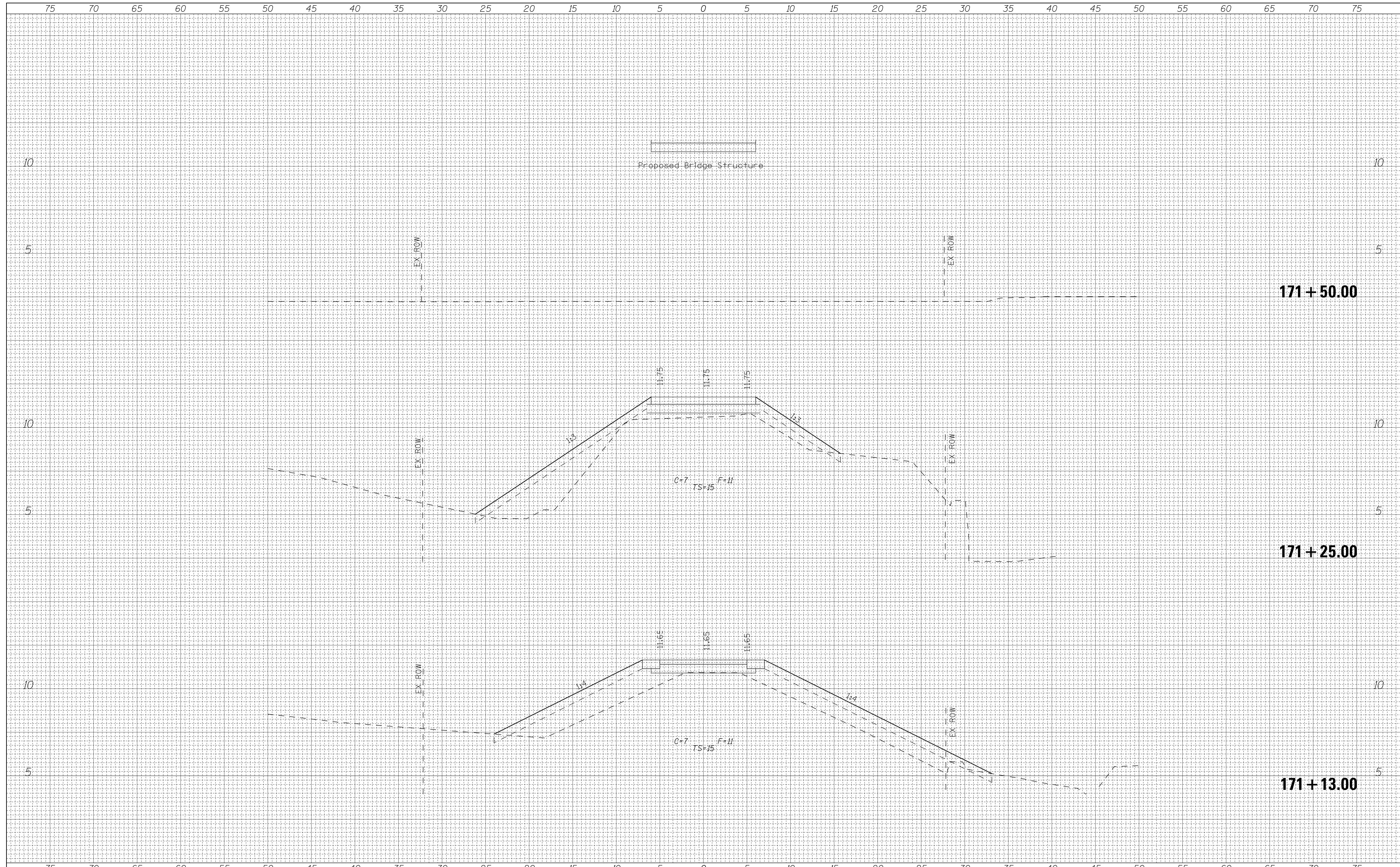
|             |                      |        |              |           |
|-------------|----------------------|--------|--------------|-----------|
| F.A. - RTE. | SECTION              | COUNTY | TOTAL SHEETS | SHEET NO. |
|             | GIT-Burnham Greenway | COOK   | 170          | 30        |

CONTRACT NO. 46301



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

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



FILE NAME =  
\$FILEA\$

USER NAME = andrew1  
PLOT SCALE = 5.0000' / 1"  
PLOT DATE = 3/12/2015

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -



333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
BURNHAM GREENWAY TRAIL - CROSS SECTIONS  
SCALE: 1"=5' HORZ SHEET NO. 1 OF 2 SHEETS STA. 171+13.00 TO STA. 171+50.00

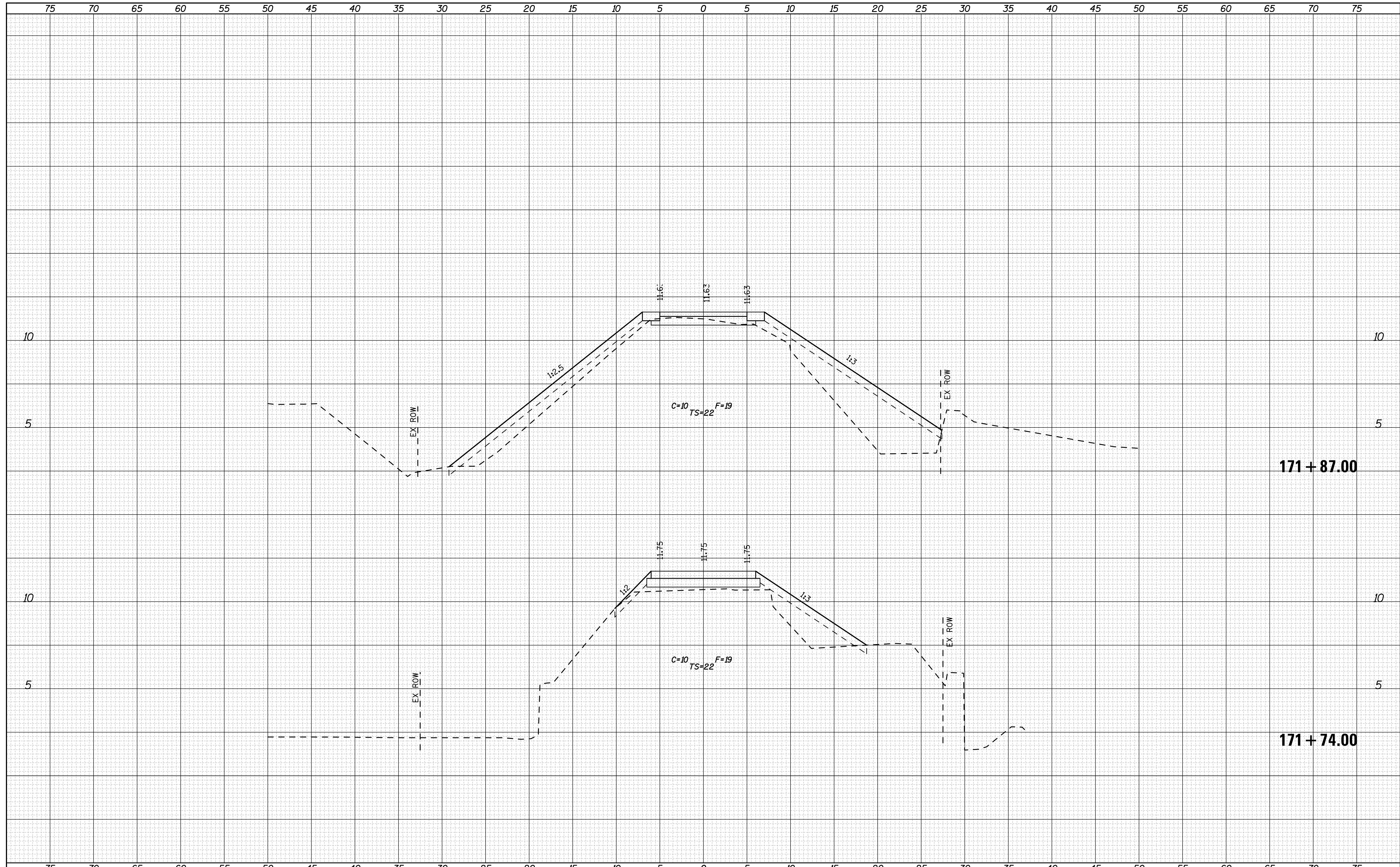
|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 32        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

SEGMENT 1B (BRIDGE)



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

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



FILE NAME = ...\\BURNHAM\_XSC\_SHEET\_BRIDGE.dgn

USER NAME = mikek  
 PLOT SCALE = 5.0000' / in.  
 PLOT DATE = 3/12/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -



333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.mlsman.com

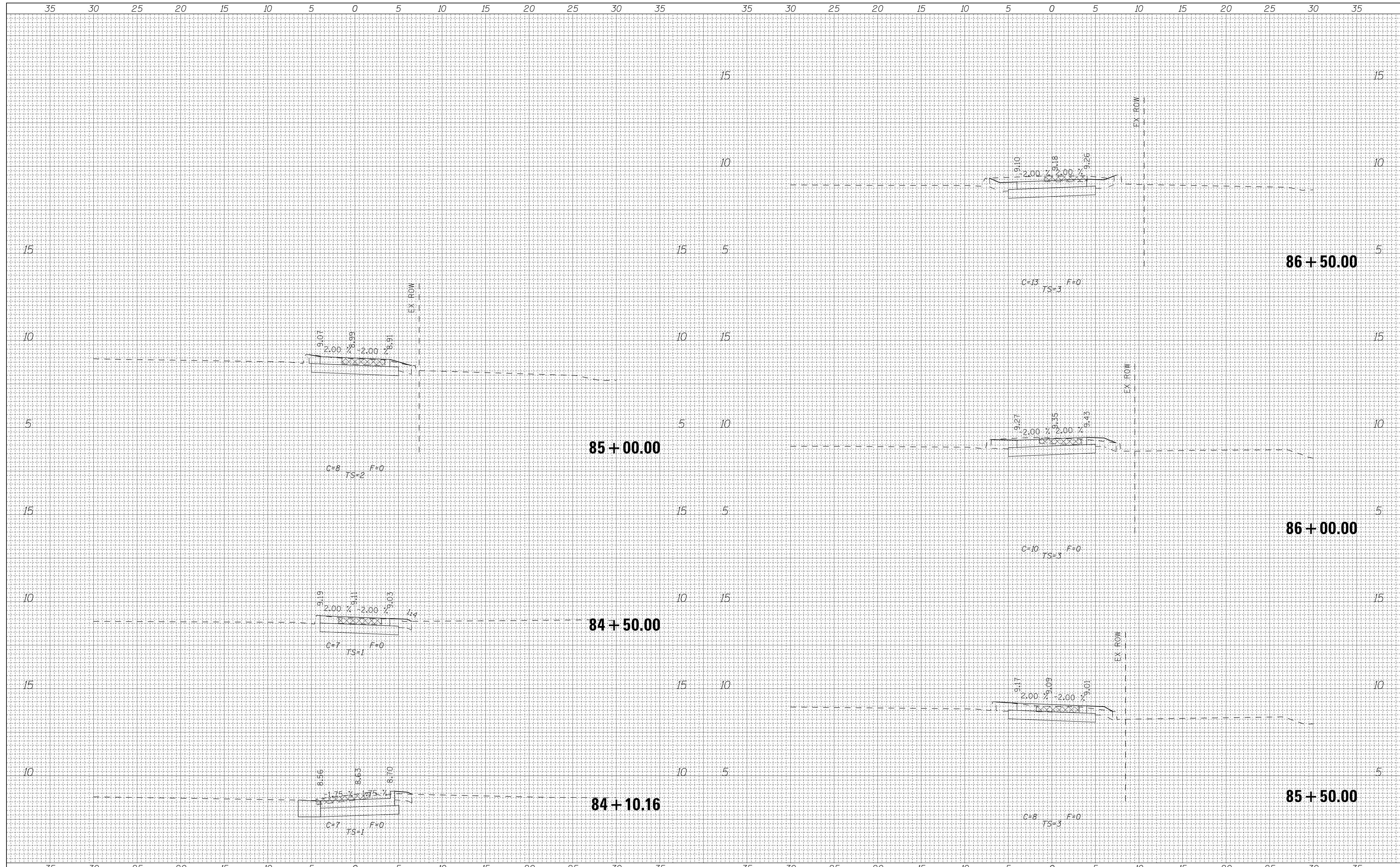
ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
 BURNHAM GREENWAY TRAIL - CROSS SECTIONS  
 SCALE: 1"=5' HORZ SHEET NO. 2 OF 2 SHEETS STA. 171+74.00 TO STA. 171+87.00

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 33        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

SEGMENT 1B (BRIDGE)

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

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

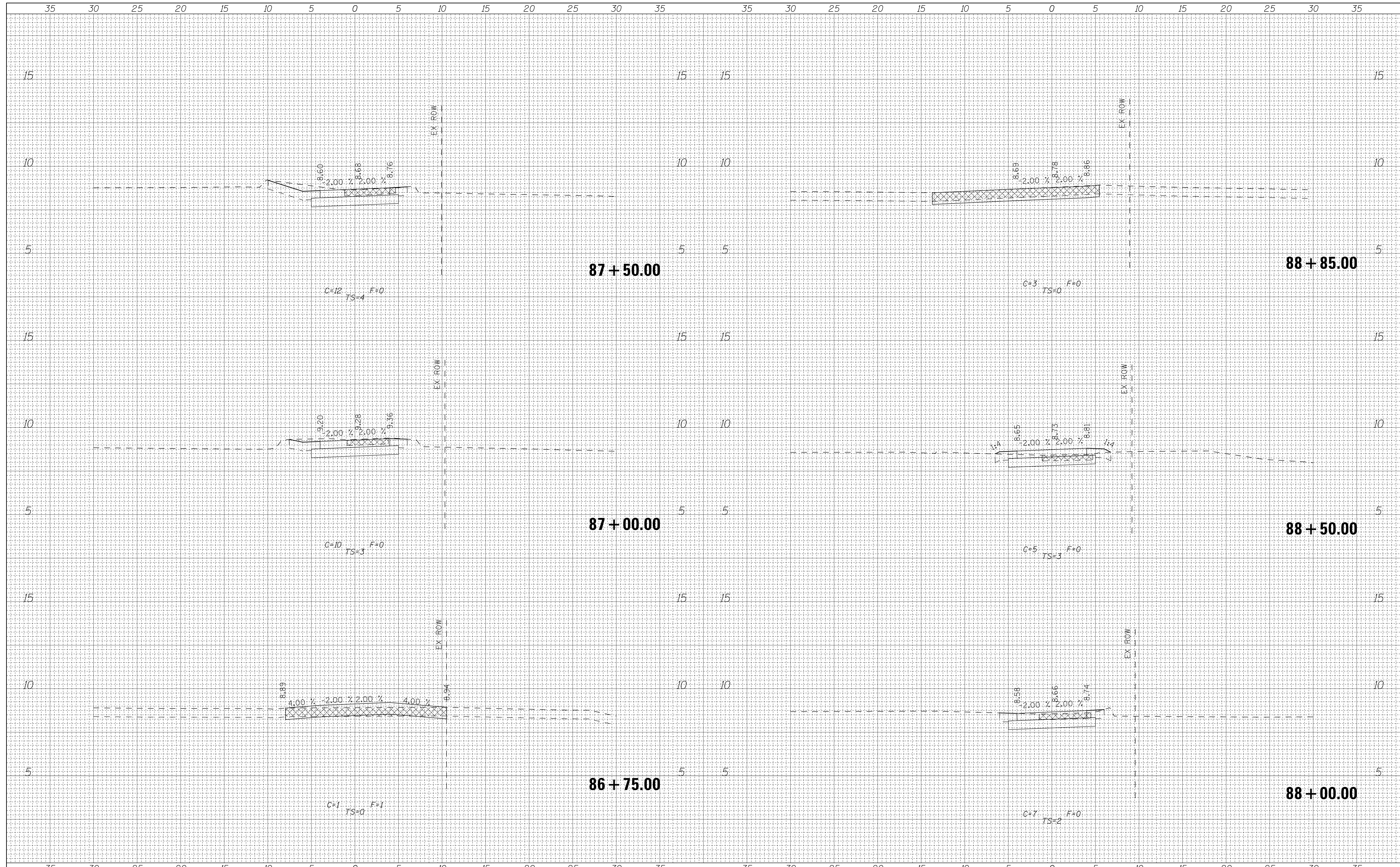


|                            |                     |            |            |                   |   |   |               |                  |                           |         |        |              |           |
|----------------------------|---------------------|------------|------------|-------------------|---|---|---------------|------------------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =                | USER NAME = andrew1 | DESIGNED - | REVISIED - |                   | 333 East State Street, Box 4327<br>Rockford, Illinois 61110-0827<br>Ph 815-965-6400 Fax 815-965-6416<br>www.missman.com | <b>ILLINOIS DEPARTMENT OF NATURAL RESOURCES</b><br><b>BURNHAM GREENWAY TRAIL - CROSS SECTIONS</b> |               |                  | F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| \$FILEA\$                  |                     | DRAWN -    | REVISIED - |                   |   |   |               |                  |                           |         | COOK   | 70           | 34        |
|                            |                     | CHECKED -  | REVISIED - |                   |   |   |               |                  | CONTRACT NO. 46301        |         |        |              |           |
|                            |                     | DATE -     | REVISIED - |                   |   |   |               |                  | ILLINOIS FED. AID PROJECT |         |        |              |           |
| PLOT SCALE = 5.0000' / in. |                     |            |            | SCALE: 1"=5' HORZ |   | SHEET NO. 1 OF 3 SHEETS   | STA. 84+10.16 | TO STA. 86+50.00 | <b>SEGMENT 1C</b>         |         |        |              |           |



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

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



FILE NAME =  
 \$FILEA\$

USER NAME = andrew1  
 PLOT SCALE = 5.0000' / in.  
 PLOT DATE = 3/12/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -



333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
**BURNHAM GREENWAY TRAIL - CROSS SECTIONS**  
 SCALE: 1"=5' HORZ SHEET NO. 2 OF 3 SHEETS STA. 86+75.00 TO STA. 88+85.00

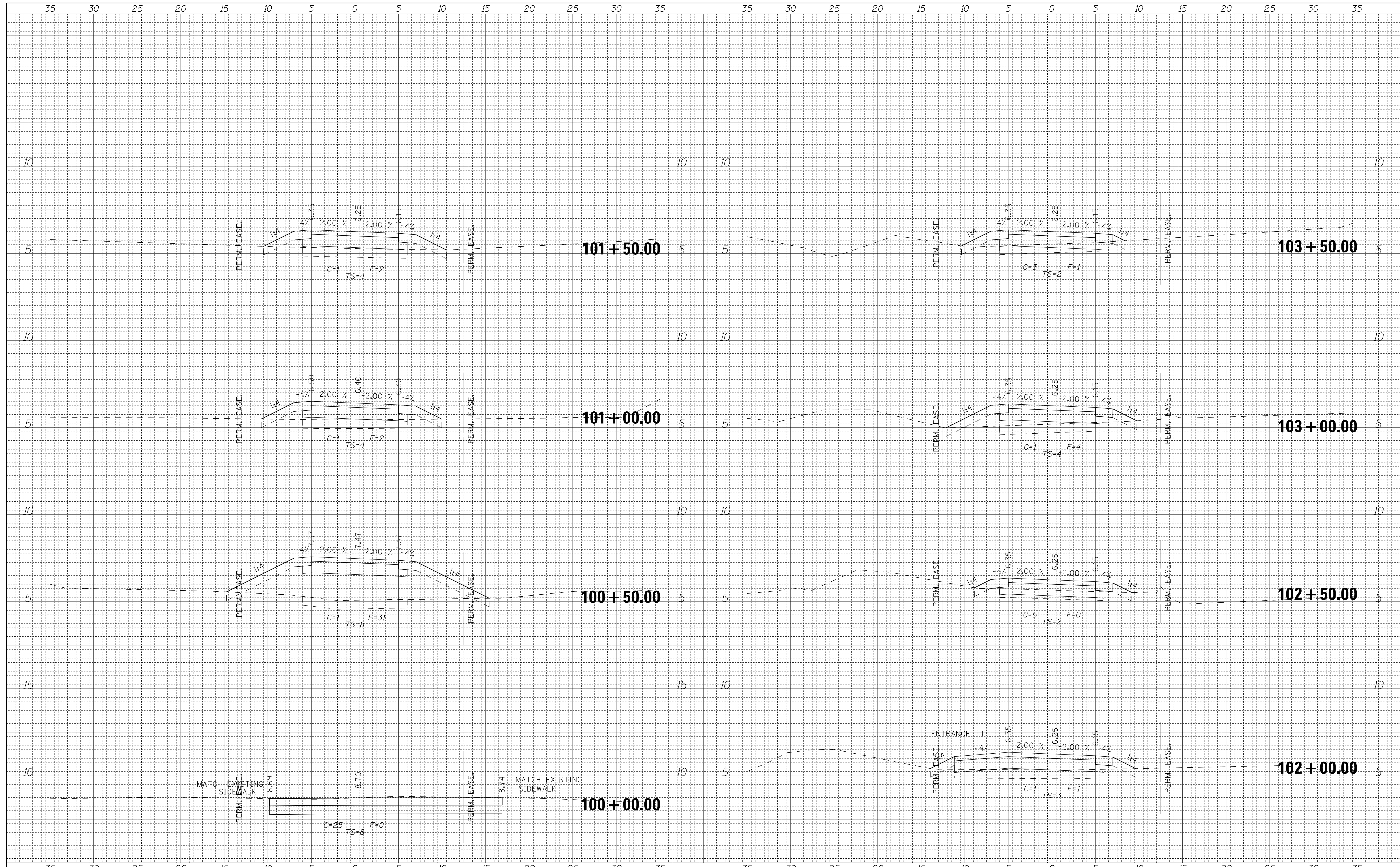
|                    |         |        |                           |           |
|--------------------|---------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
|                    |         | COOK   | 70                        | 35        |
| CONTRACT NO. 46301 |         |        | ILLINOIS FED. AID PROJECT |           |





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

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



|             |                     |
|-------------|---------------------|
| FILE NAME = | USER NAME = andrew1 |
| \$FILEA\$   | DESIGNED -          |
|             | DRAWN -             |
|             | CHECKED -           |
|             | DATE -              |

|       |       |
|-------|-------|
| REVIS | REVIS |
| REVIS | REVIS |
| REVIS | REVIS |
| REVIS | REVIS |

|            |         |
|------------|---------|
| DESIGNED - | REVIS - |
| DRAWN -    | REVIS - |
| CHECKED -  | REVIS - |
| DATE -     | REVIS - |



333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

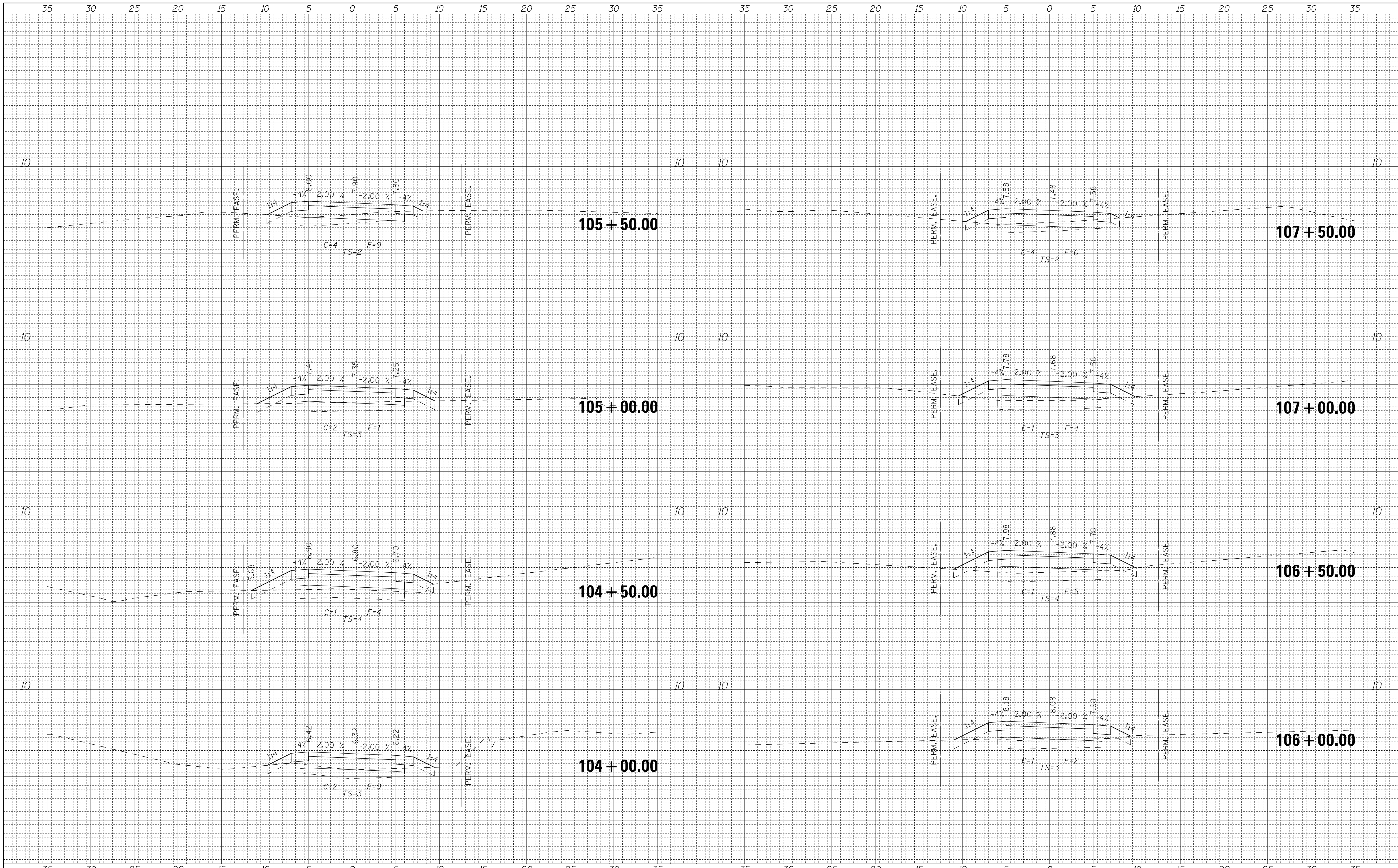
ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
**BURNHAM GREENWAY TRAIL - CROSS SECTIONS**  
 SCALE: 1"=5' HORZ SHEET NO. 1 OF 21 SHEETS STA. 100+00.00 TO STA. 103+50.00

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 37        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



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

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



|             |                     |
|-------------|---------------------|
| FILE NAME = | USER NAME = andrew1 |
| \$FILEA\$   | DESIGNED -          |
|             | DRAWN -             |
|             | CHECKED -           |
|             | DATE -              |

|            |           |
|------------|-----------|
| DESIGNED - | REVISED - |
| DRAWN -    | REVISED - |
| CHECKED -  | REVISED - |
| DATE -     | REVISED - |

|                                  |
|----------------------------------|
| 333 East State Street, Box 4327  |
| Rockford, Illinois 61110-0827    |
| Ph 815-965-6400 Fax 815-965-6416 |
| www.mlsman.com                   |



ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
 BURNHAM GREENWAY TRAIL - CROSS SECTIONS

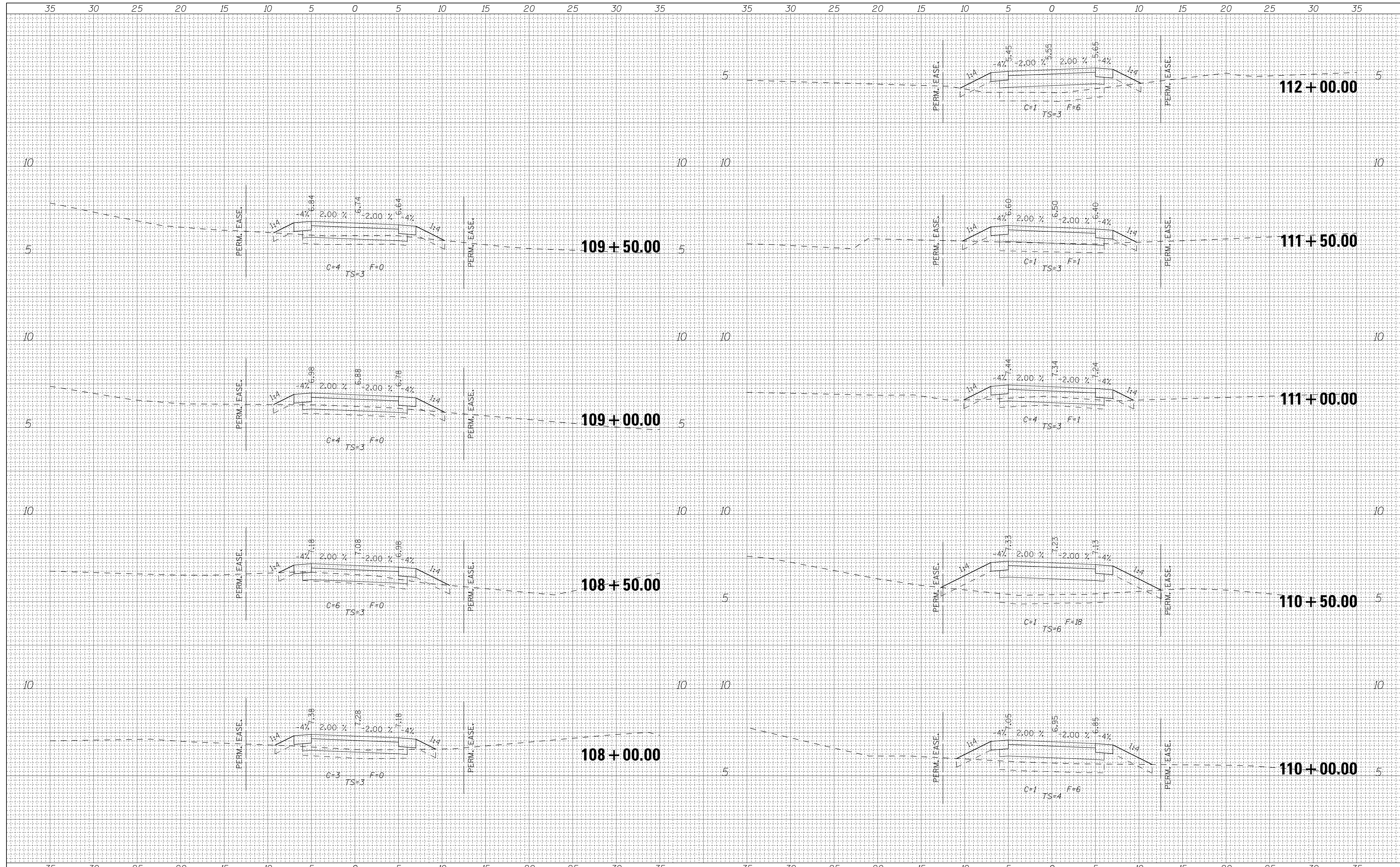
|                   |                          |                                  |
|-------------------|--------------------------|----------------------------------|
| SCALE: 1"=5' HORZ | SHEET NO. 2 OF 21 SHEETS | STA. 104+00.00 TO STA. 107+50.00 |
|-------------------|--------------------------|----------------------------------|

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 38        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



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

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



|             |  |
|-------------|--|
| FILE NAME = |  |
| #FILEA#     |  |

|                            |            |           |
|----------------------------|------------|-----------|
| USER NAME = andrew         | DESIGNED - | REVISED - |
|                            | DRAWN -    | REVISED - |
| PLOT SCALE = 5.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/12/2015      | DATE -     | REVISED - |

|            |           |
|------------|-----------|
| DESIGNED - | REVISED - |
| DRAWN -    | REVISED - |
| CHECKED -  | REVISED - |
| DATE -     | REVISED - |



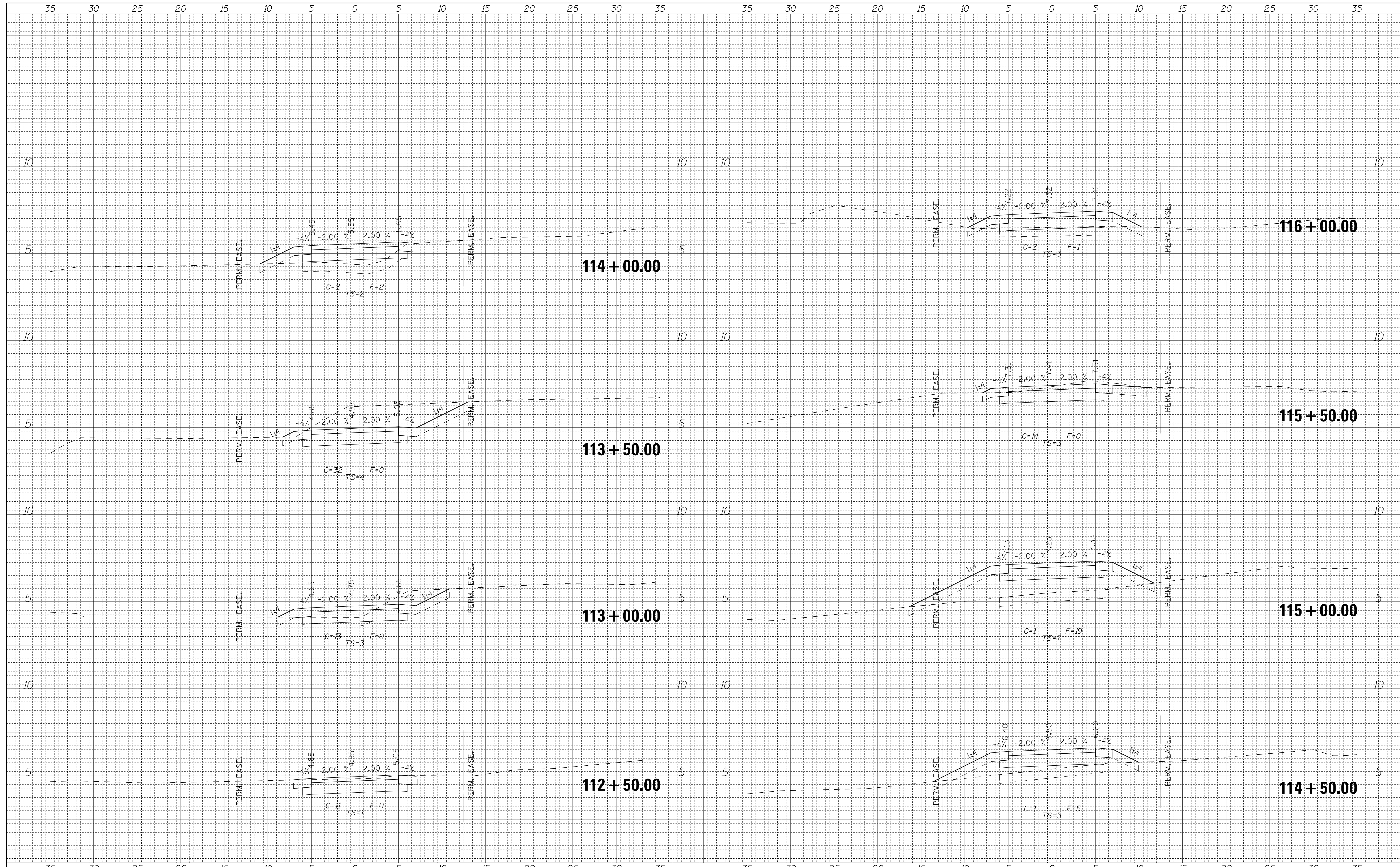
333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.mlsman.com

ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
**BURNHAM GREENWAY TRAIL - CROSS SECTIONS**  
 SCALE: 1"=5' HORZ SHEET NO. 3 OF 21 SHEETS STA. 108+00.00 TO STA. 112+00.00

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 39        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

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

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



|             |                     |
|-------------|---------------------|
| FILE NAME = | USER NAME = andrew1 |
| \$FILEA\$   | DESIGNED -          |
|             | DRAWN -             |
|             | CHECKED -           |
|             | DATE -              |

|            |          |
|------------|----------|
| DESIGNED - | REVISD - |
| DRAWN -    | REVISD - |
| CHECKED -  | REVISD - |
| DATE -     | REVISD - |

|                                  |
|----------------------------------|
| 333 East State Street, Box 4327  |
| Rockford, Illinois 61110-0827    |
| Ph 815-965-6400 Fax 815-965-6416 |
| www.mlsman.com                   |



|  |
|--|
| ILLINOIS DEPARTMENT OF NATURAL RESOURCES |
| BURNHAM GREENWAY TRAIL - CROSS SECTIONS  |
| SCALE: 1"=5' HORZ                        |
| SHEET NO. 4 OF 21 SHEETS                 |
| STA. 112+50.00 TO STA. 116+00.00         |

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 40        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

|                   |                          |                                  |
|-------------------|--------------------------|----------------------------------|
| SCALE: 1"=5' HORZ | SHEET NO. 4 OF 21 SHEETS | STA. 112+50.00 TO STA. 116+00.00 |
|-------------------|--------------------------|----------------------------------|







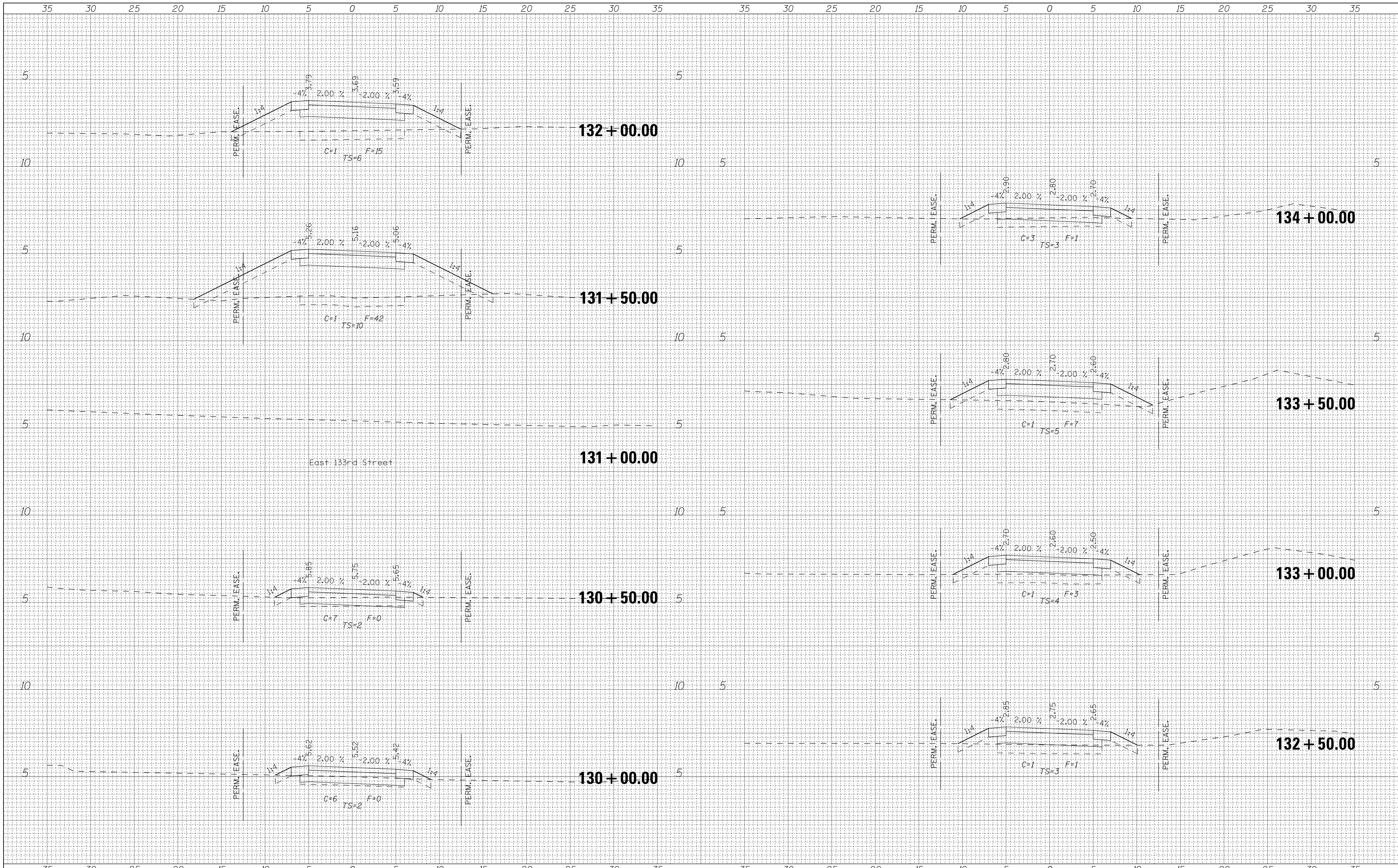






|              |               |      |
|--------------|---------------|------|
| FINAL SURVEY | SURVEYED      | DATE |
| NOTE BOOK    | PLOTTED       | BY   |
| NO.          | TEMPLATE      |      |
|              | AREAS CHECKED |      |

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



FILE NAME =  
#FILEA#

USER NAME = andrew1  
DESIGNED -  
DRAWN -  
PLOT SCALE = 5.0000' / in.  
CHECKED -  
PLOT DATE = 3/12/2015  
DATE -

REVISIED -  
REVISIED -  
REVISIED -  
REVISIED -



333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
BURNHAM GREENWAY TRAIL - CROSS SECTIONS  
SCALE: 1"=5' HORZ SHEET NO. 8 OF 21 SHEETS STA. 130+00.00 TO STA. 134+00.00

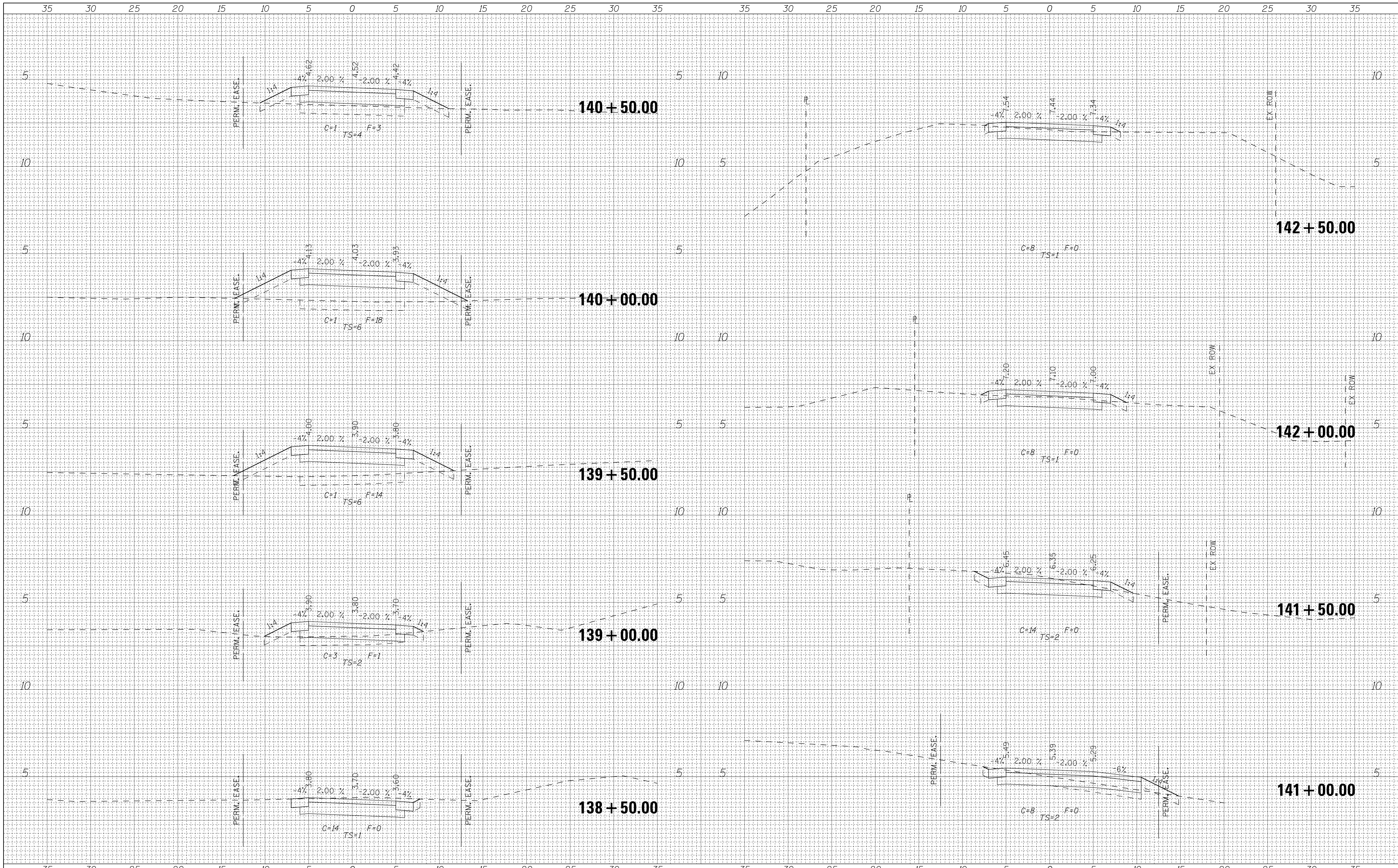
|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 44        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |





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

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

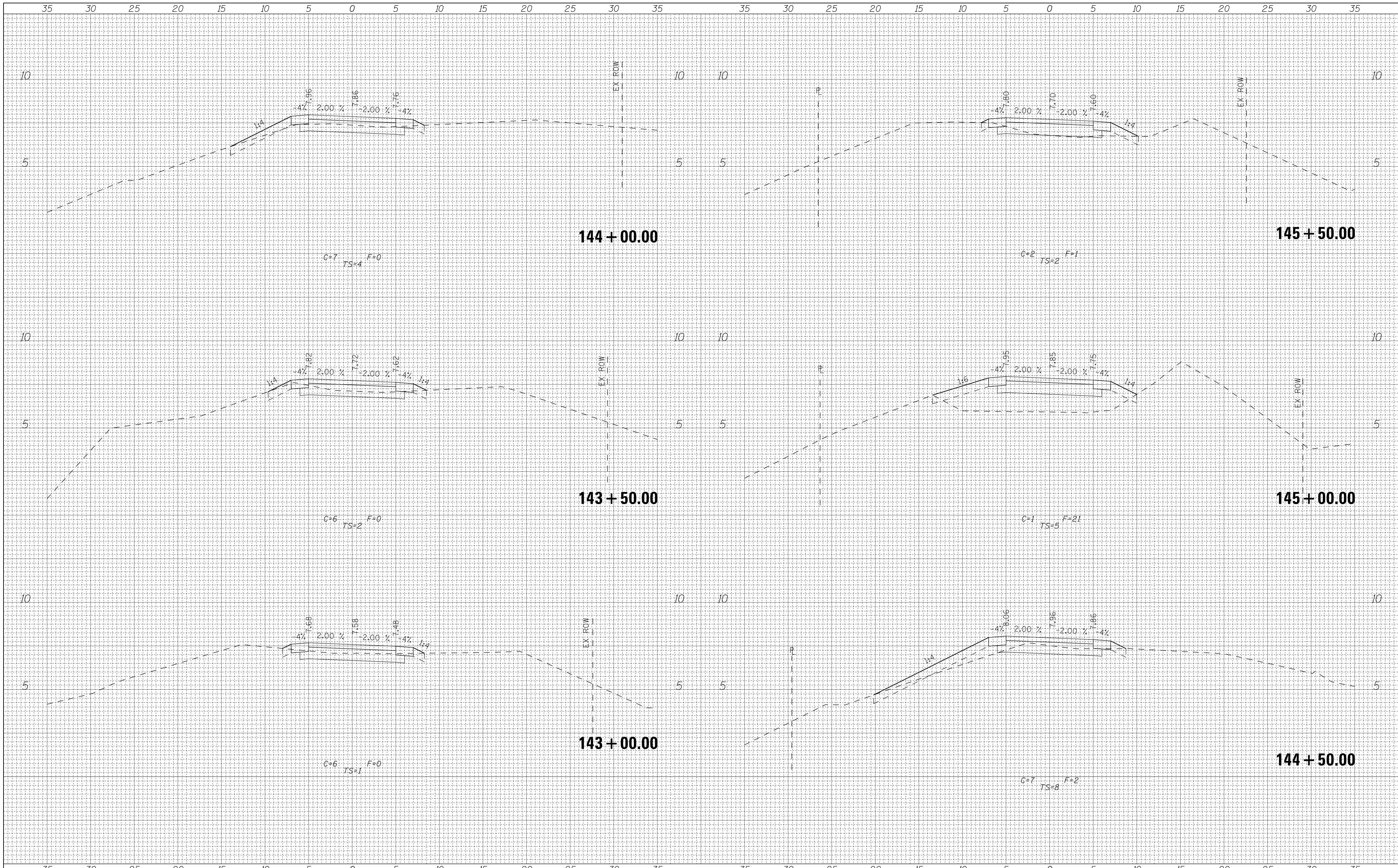


|             |                     |            |           |  |   |   |                |                    |                           |         |        |              |           |
|-------------|---------------------|------------|-----------|--|---|---|----------------|--------------------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = andrew1 | DESIGNED - | REVISED - |  | 333 East State Street, Box 4327<br>Rockford, Illinois 61110-0827<br>Ph 815-965-6400 Fax 815-965-6416<br>www.missman.com | <b>ILLINOIS DEPARTMENT OF NATURAL RESOURCES</b><br><b>BURNHAM GREENWAY TRAIL - CROSS SECTIONS</b> |                |                    | F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| \$FILEA\$   |                     | DRAWN -    | REVISED - |  | SCALE: 1"=5' HORZ   | SHEET NO. 10 OF 21 SHEETS   | STA. 138+50.00 | TO STA. 142+50.00  | ILLINOIS FED. AID PROJECT |         | COOK   | 70           | 46        |
|             |                     | CHECKED -  | REVISED - |  |   |   |                | CONTRACT NO. 46301 |                           |         |        |              |           |
|             |                     | DATE -     | REVISED - |  |   |   |                |                    |                           |         |        |              |           |



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

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

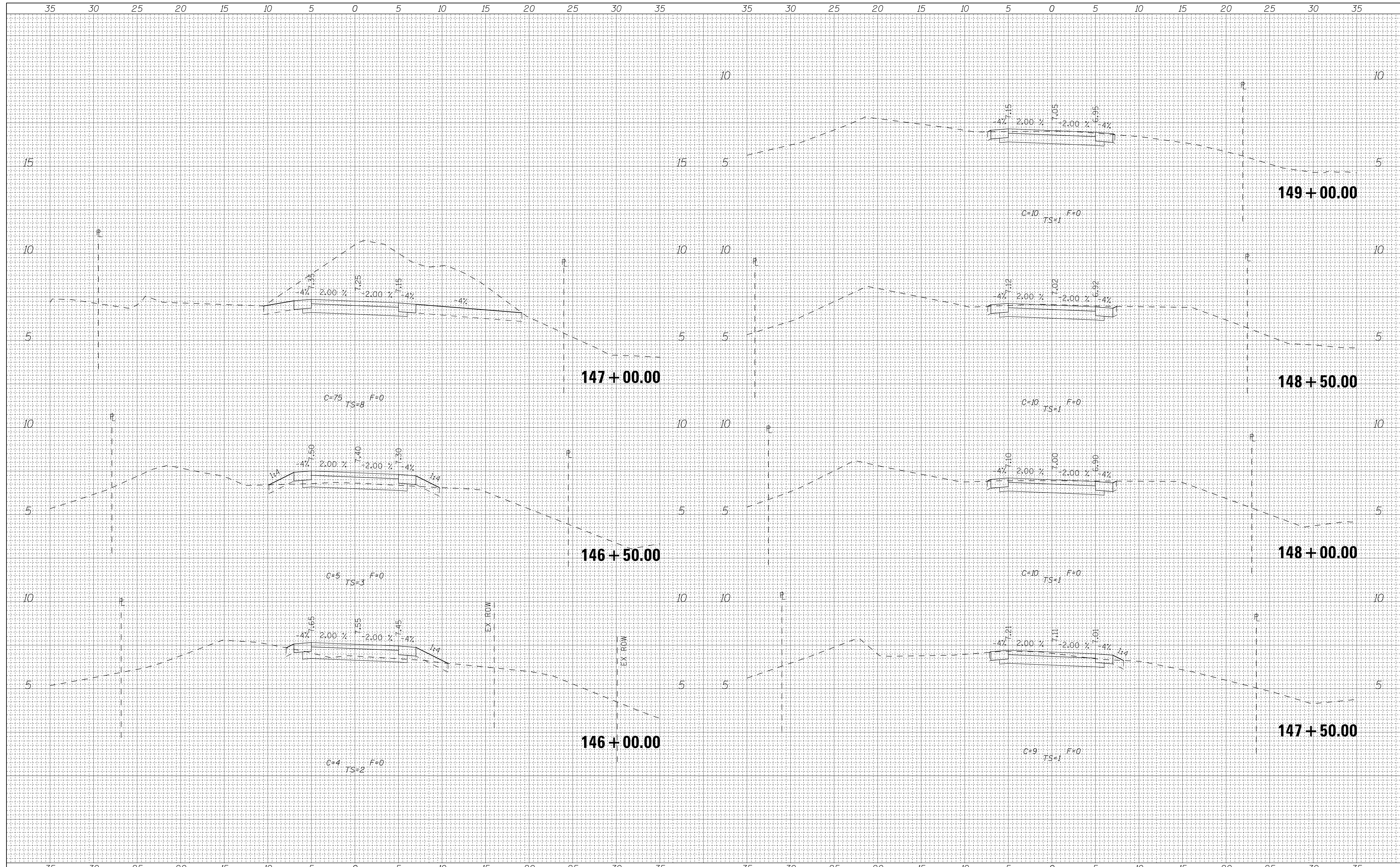


|                           |                     |            |           |  |   |   |    |    |           |         |        |              |           |
|---------------------------|---------------------|------------|-----------|--|---|---|----|----|-----------|---------|--------|--------------|-----------|
| FILE NAME =               | USER NAME = andrew1 | DESIGNED - | REVISED - |  | 333 East State Street, Box 4327<br>Rockford, Illinois 61110-0827<br>Ph 815-965-6400 Fax 815-965-6416<br>www.missman.com | <b>ILLINOIS DEPARTMENT OF NATURAL RESOURCES</b><br><b>BURNHAM GREENWAY TRAIL - CROSS SECTIONS</b> |    |    | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| \$FILEA\$                 |                     | DRAWN -    | REVISED - |  |   | COOK  | 70 | 47 |           |         |        |              |           |
| PLOT SCALE = 5.0000' / 1" |                     | CHECKED -  | REVISED - |  |   | CONTRACT NO. 46301  |    |    |           |         |        |              |           |
| PLOT DATE = 3/12/2015     |                     | DATE -     | REVISED - |  |   | ILLINOIS FED. AID PROJECT   |    |    |           |         |        |              |           |



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

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



|             |                     |
|-------------|---------------------|
| FILE NAME = | USER NAME = andrew1 |
| \$FILEA\$   | DESIGNED -          |
|             | DRAWN -             |
|             | CHECKED -           |
|             | DATE -              |
|             | REVISIED -          |
|             | REVISIED -          |
|             | REVISIED -          |
|             | REVISIED -          |

|            |            |
|------------|------------|
| DESIGNED - | REVISIED - |
| DRAWN -    | REVISIED - |
| CHECKED -  | REVISIED - |
| DATE -     | REVISIED - |



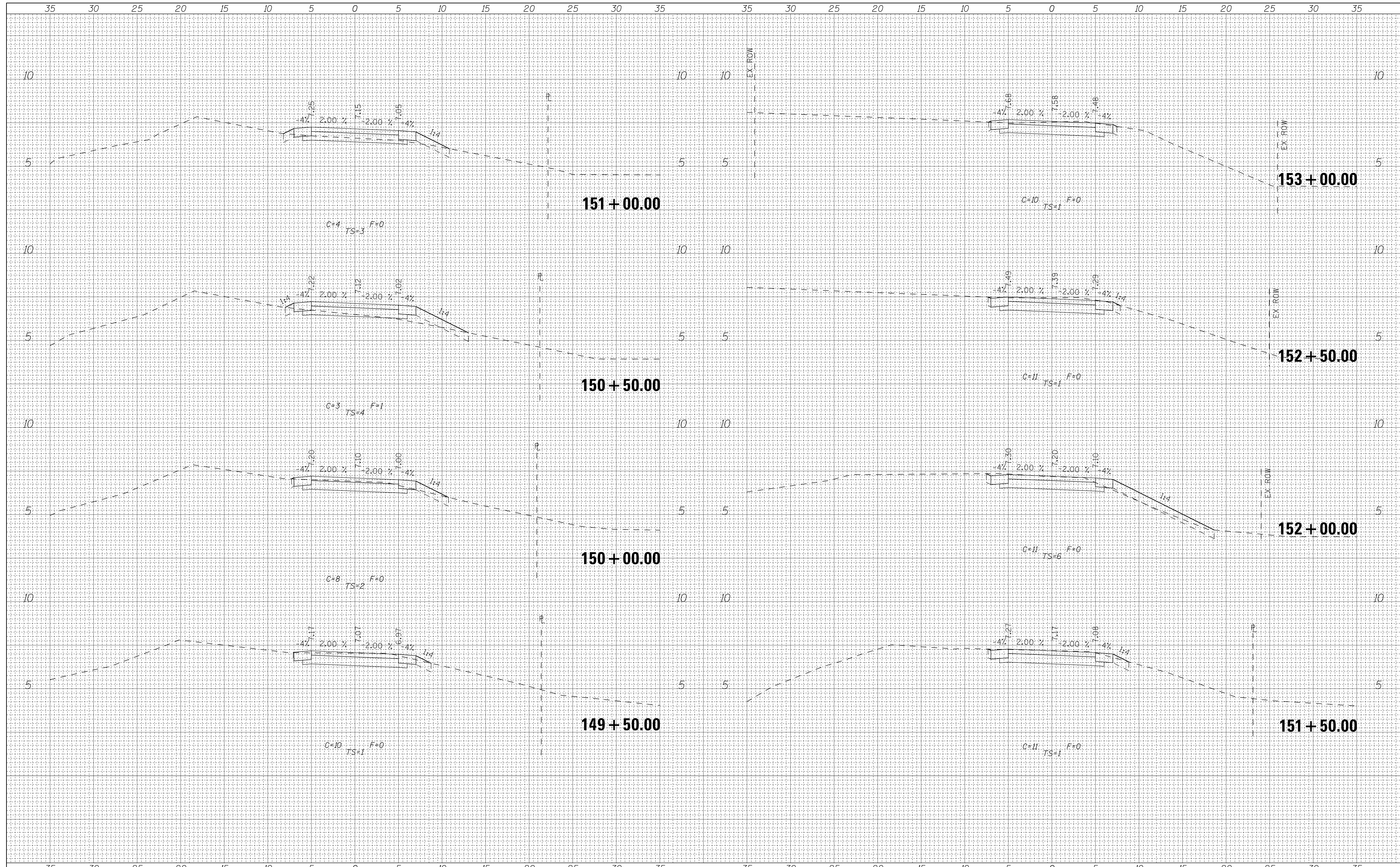
333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - CROSS SECTIONS**  
 SCALE: 1"=5' HORZ SHEET NO. 12 OF 21 SHEETS STA. 146+00.00 TO STA. 149+00.00

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 48        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |

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

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



FILE NAME =  
\$FILEA\$

USER NAME = andrew1  
DESIGNED -  
DRAWN -  
PLOT SCALE = 5.0000' / in.  
PLOT DATE = 3/12/2015

REVISIED -  
REVISIED -  
REVISIED -  
REVISIED -



333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

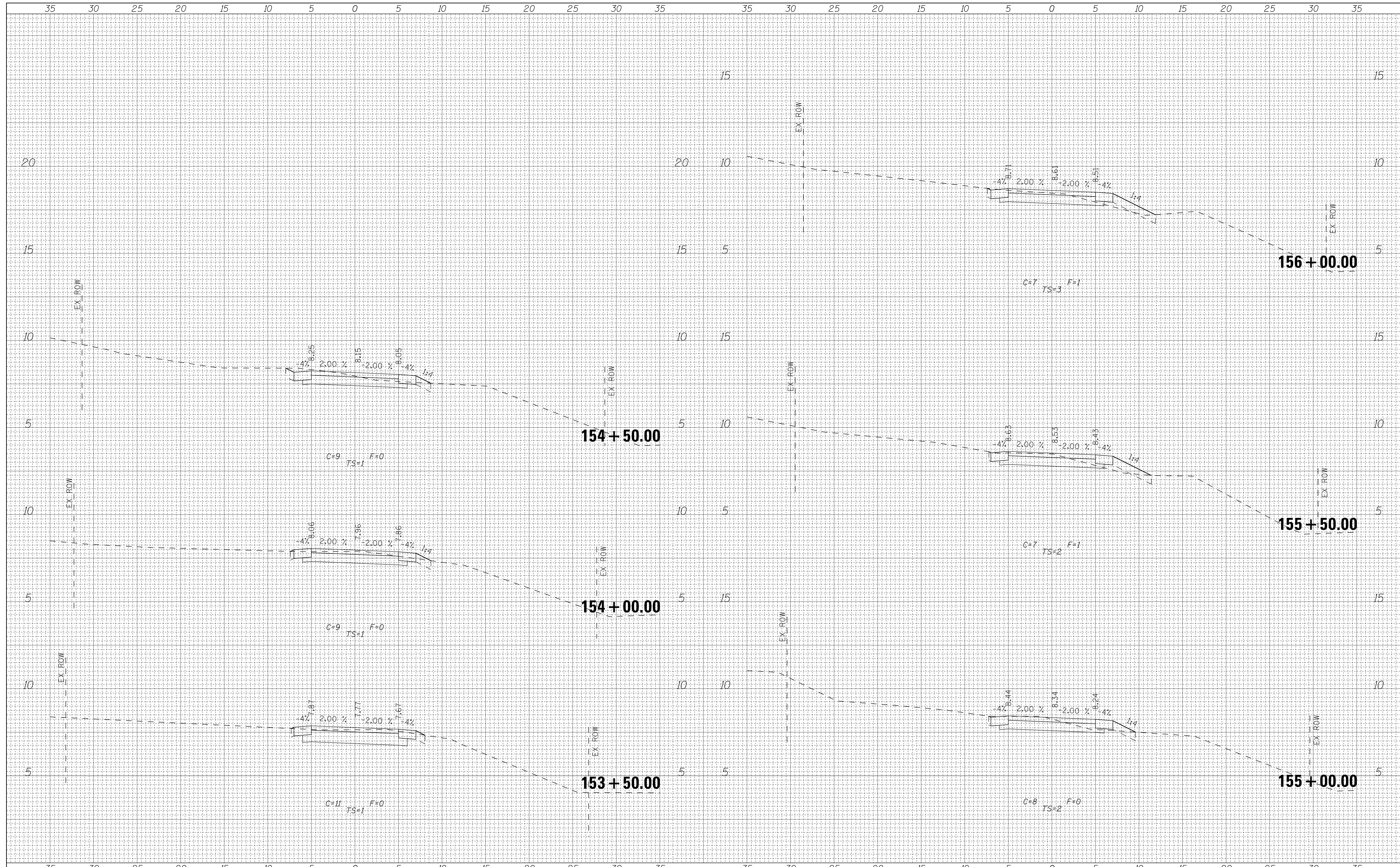
**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - CROSS SECTIONS**  
SCALE: 1"=5' HORZ SHEET NO. 13 OF 21 SHEETS STA. 149+50.00 TO STA. 153+00.00

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 49        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



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

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

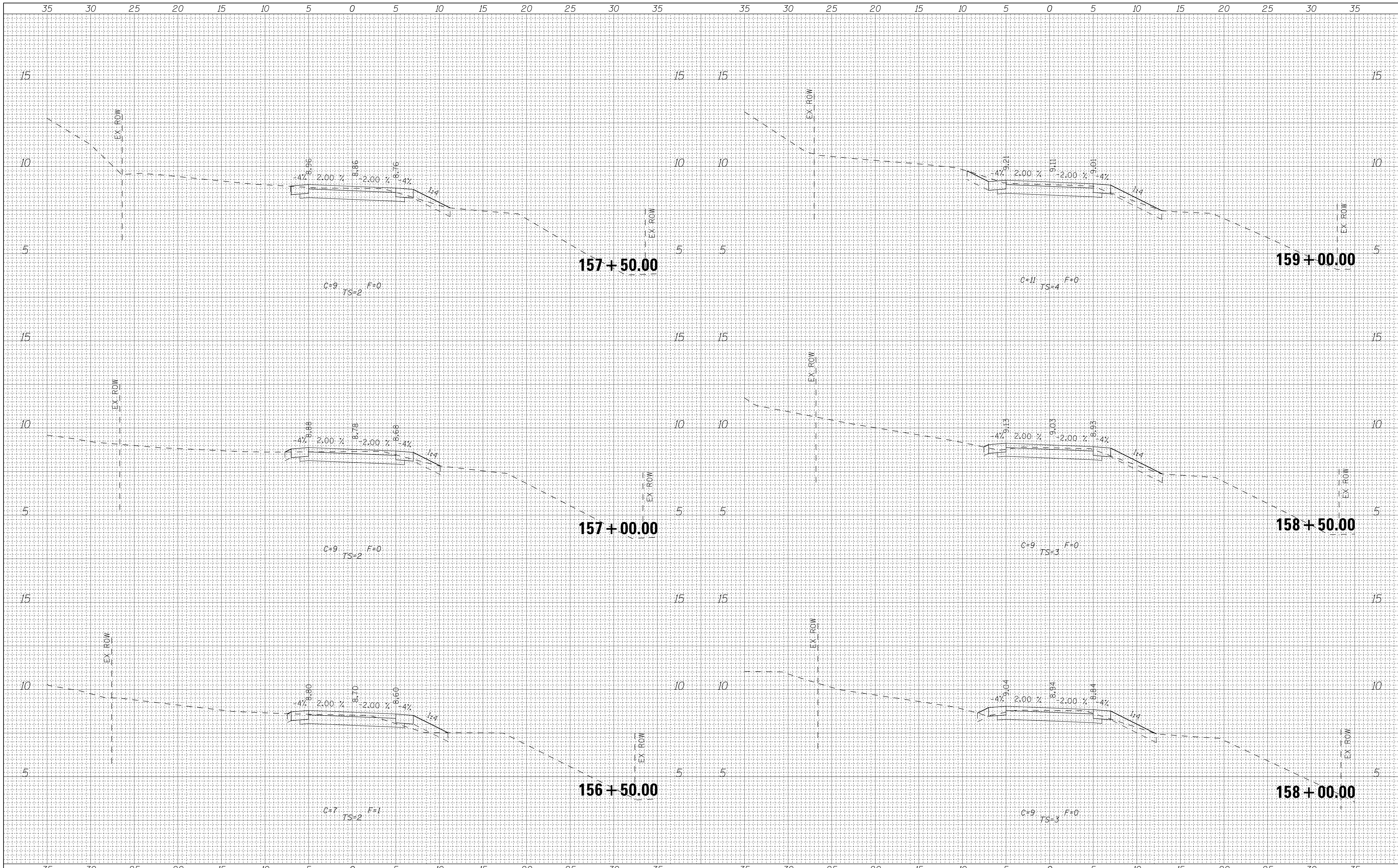


|             |                     |            |           |   |   |                           |                                  |         |                           |              |           |
|-------------|---------------------|------------|-----------|---|---|---------------------------|----------------------------------|---------|---------------------------|--------------|-----------|
| FILE NAME = | USER NAME = andrew1 | DESIGNED - | REVISED - | <p>333 East State Street, Box 4327<br/>Rockford, Illinois 61110-0827<br/>Ph 815-965-6400 Fax 815-965-6416<br/>www.missman.com</p> | <b>ILLINOIS DEPARTMENT OF NATURAL RESOURCES</b><br><b>BURNHAM GREENWAY TRAIL - CROSS SECTIONS</b> |                           | F.A. RTE.                        | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| \$FILEA\$   |                     | DRAWN -    | REVISED - |   | SCALE: 1"=5' HORZ   | SHEET NO. 14 OF 21 SHEETS | STA. 153+50.00 TO STA. 156+00.00 | COOK    | 70                        | 50           |           |
|             |                     | CHECKED -  | REVISED - |   |   |                           | CONTRACT NO. 46301               |         | ILLINOIS FED. AID PROJECT |              |           |
|             |                     | DATE -     | REVISED - |   |   |                           | SEGMENT 1B                       |         |                           |              |           |



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

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



FILE NAME =  
 \$FILEA\$

USER NAME = andrewl  
 PLOT SCALE = 5.0000' / in.  
 PLOT DATE = 3/12/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -



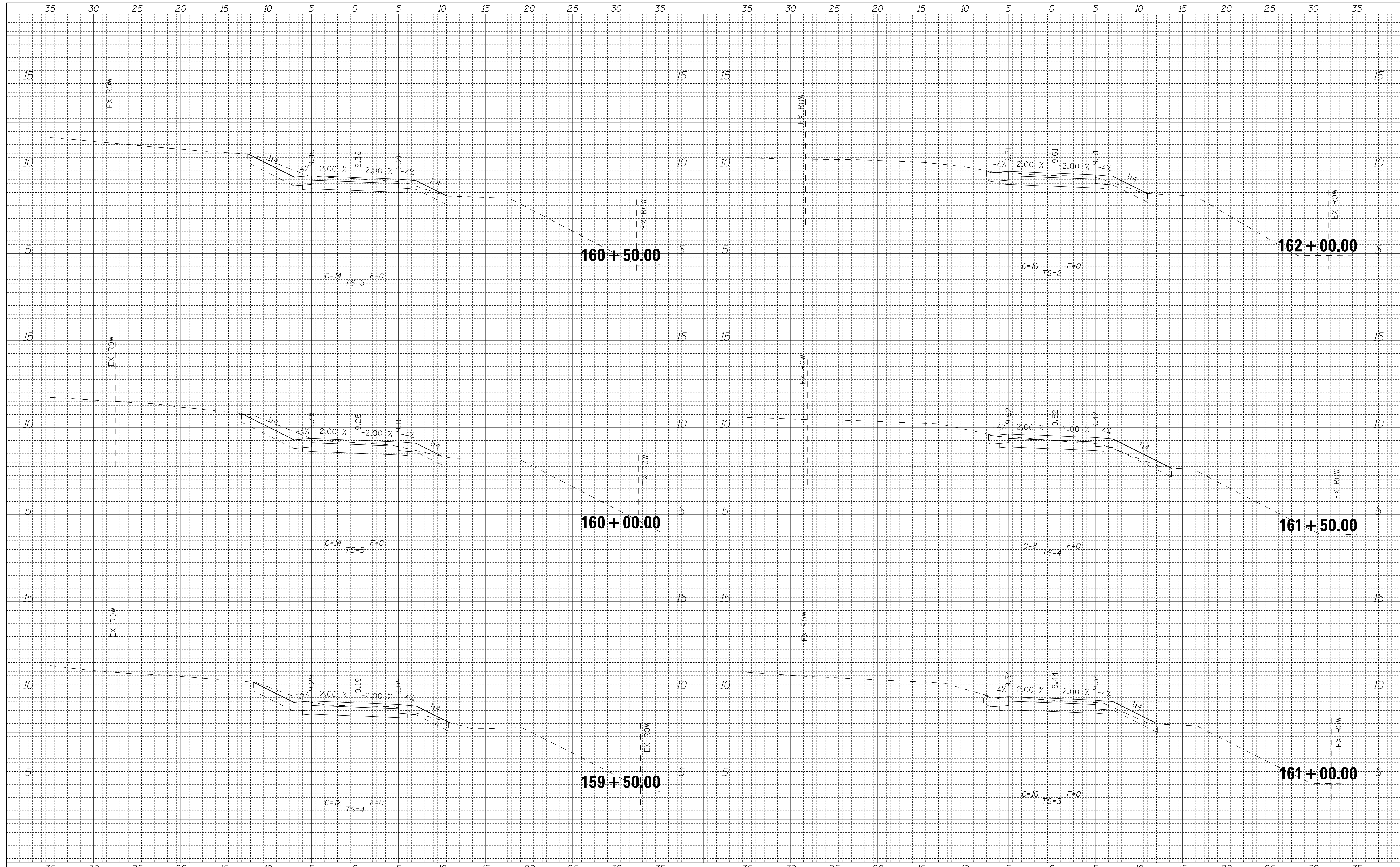
333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
**BURNHAM GREENWAY TRAIL - CROSS SECTIONS**  
 SCALE: 1"=5' HORZ SHEET NO. 15 OF 21 SHEETS STA. 156+50.00 TO STA. 159+00.00

|                           |         |        |                    |           |
|---------------------------|---------|--------|--------------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS       | SHEET NO. |
|                           |         | COOK   | 70                 | 51        |
|                           |         |        | CONTRACT NO. 46301 |           |
| ILLINOIS FED. AID PROJECT |         |        |                    |           |

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

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



|             |  |
|-------------|--|
| FILE NAME = |  |
| \$FILEA\$   |  |

|                            |            |          |
|----------------------------|------------|----------|
| USER NAME = andrew1        | DESIGNED - | REVISD - |
|                            | DRAWN -    | REVISD - |
| PLOT SCALE = 5.0000' / in. | CHECKED -  | REVISD - |
| PLOT DATE = 3/12/2015      | DATE -     | REVISD - |

|            |          |
|------------|----------|
| DESIGNED - | REVISD - |
| DRAWN -    | REVISD - |
| CHECKED -  | REVISD - |
| DATE -     | REVISD - |



333 East State Street, Box 4327  
 Rockford, Illinois 61110-0827  
 Ph 815-965-6400 Fax 815-965-6416  
 www.missman.com

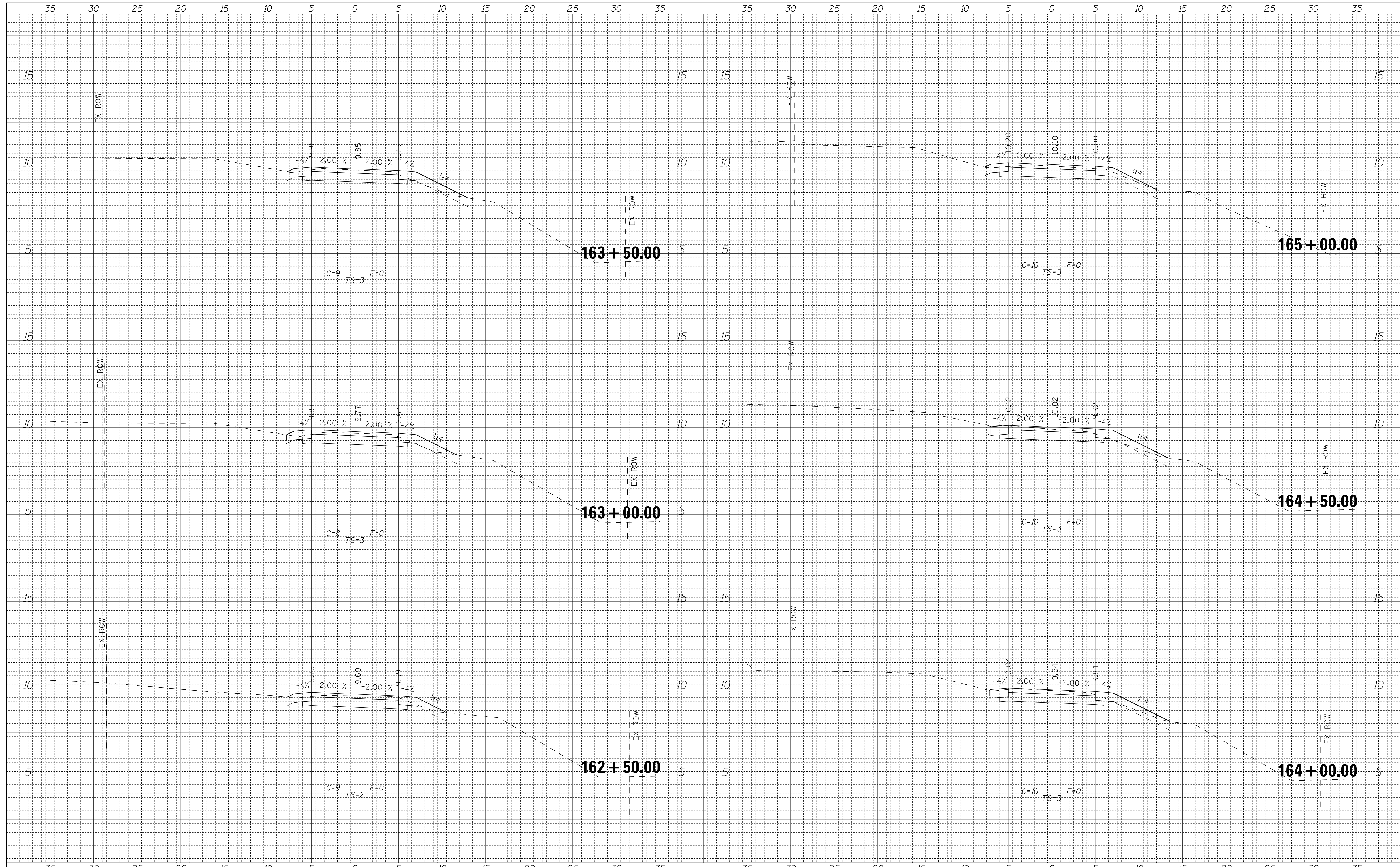
**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - CROSS SECTIONS**  
 SCALE: 1"=5' HORZ | SHEET NO. 16 OF 21 SHEETS | STA. 159+50.00 TO STA. 162+00.00

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 52        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



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

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



FILE NAME =  
\$FILEA\$

|                            |            |           |
|----------------------------|------------|-----------|
| USER NAME = andrewl        | DESIGNED - | REVISED - |
|                            | DRAWN -    | REVISED - |
| PLOT SCALE = 5.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/12/2015      | DATE -     | REVISED - |



333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
**BURNHAM GREENWAY TRAIL - CROSS SECTIONS**  
SCALE: 1"=5' HORZ SHEET NO. 17 OF 21 SHEETS STA. 162+50.00 TO STA. 165+00.00

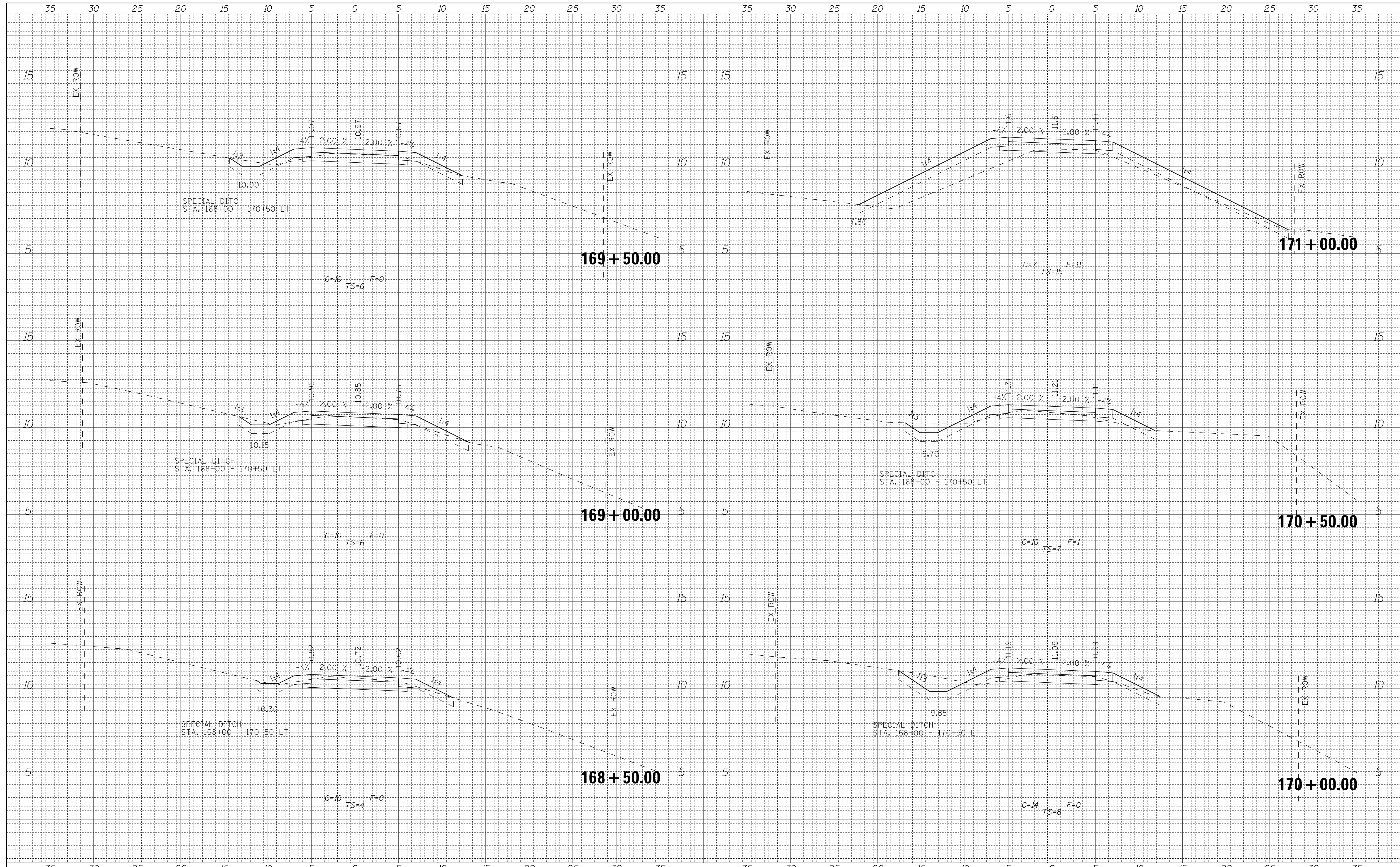
|                           |         |        |              |                    |
|---------------------------|---------|--------|--------------|--------------------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO.          |
|                           |         | COOK   | 70           | 53                 |
|                           |         |        |              | CONTRACT NO. 46301 |
| ILLINOIS FED. AID PROJECT |         |        |              |                    |





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

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

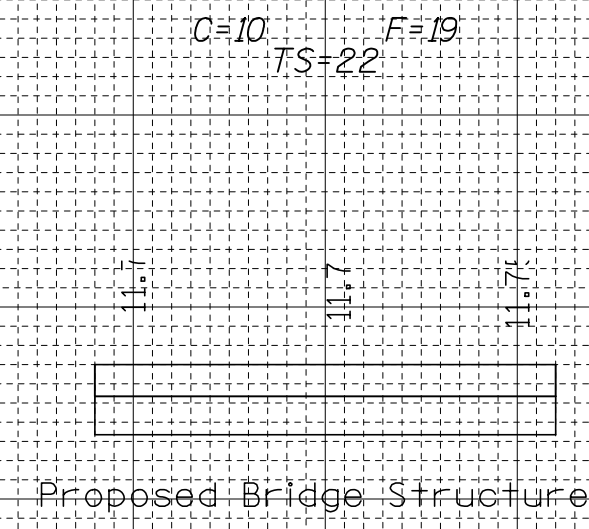
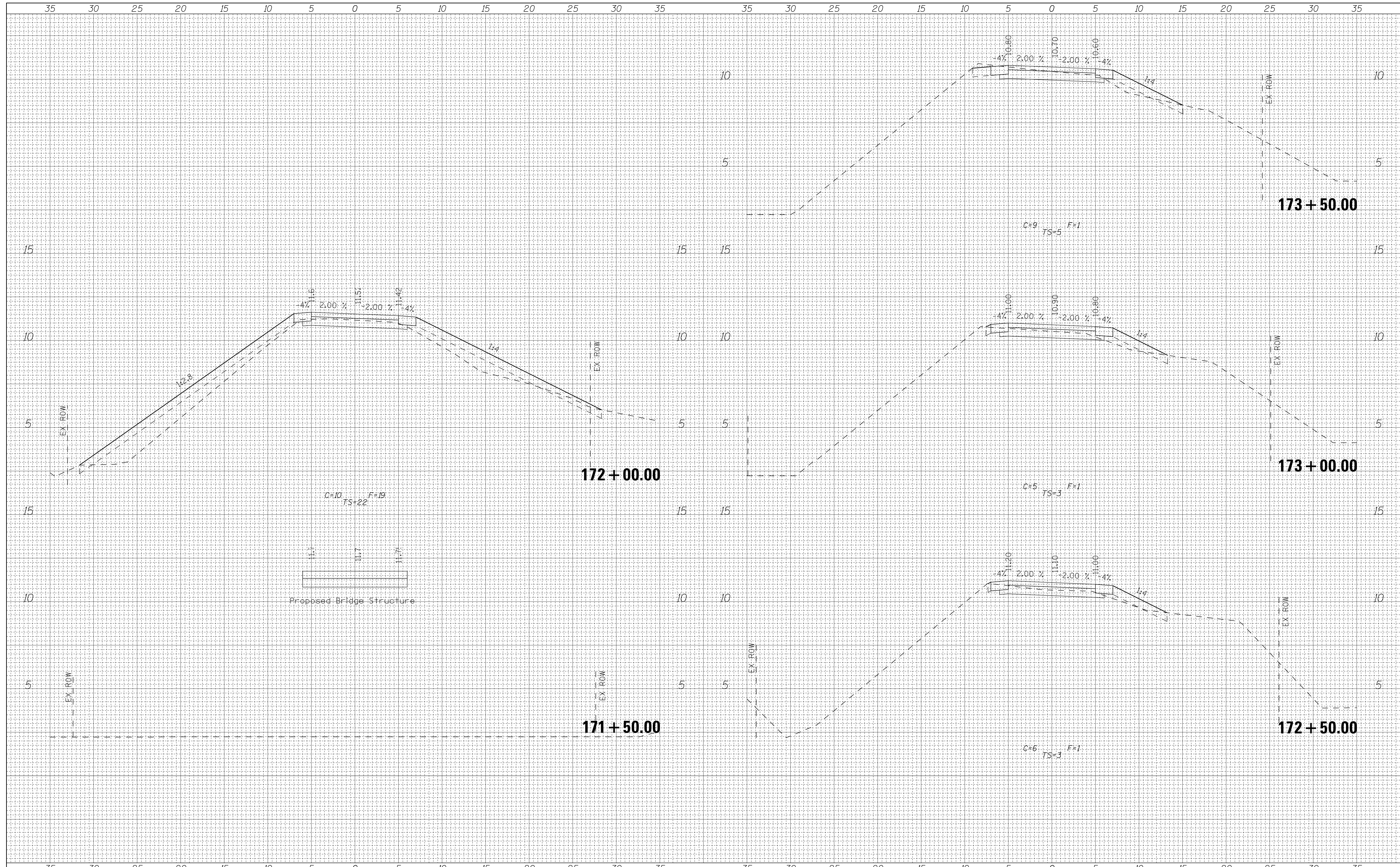


|             |                     |            |           |  |   |   |                           |                |                           |         |        |              |           |
|-------------|---------------------|------------|-----------|--|---|---|---------------------------|----------------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = andrew1 | DESIGNED - | REVISED - |  | 333 East State Street, Box 4327<br>Rockford, Illinois 61110-0827<br>Ph 815-965-6400 Fax 815-965-6416<br>www.missman.com | <b>ILLINOIS DEPARTMENT OF NATURAL RESOURCES</b><br><b>BURNHAM GREENWAY TRAIL - CROSS SECTIONS</b> |                           |                | F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| \$FILEA\$   |                     | DRAWN -    | REVISED - |  |   | SCALE: 1"=5' HORZ   | SHEET NO. 19 OF 21 SHEETS | STA. 168+50.00 | TO STA. 171+00.00         | COOK    | 70     | 55           |           |
|             |                     | CHECKED -  | REVISED - |  |   |   |                           |                | CONTRACT NO. 46301        |         |        |              |           |
|             |                     | DATE -     | REVISED - |  |   |   |                           |                | ILLINOIS FED. AID PROJECT |         |        |              |           |



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

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



FILE NAME =  
\$FILEA\$

|                            |            |          |
|----------------------------|------------|----------|
| USER NAME = andrew1        | DESIGNED - | REVISD - |
|                            | DRAWN -    | REVISD - |
| PLOT SCALE = 5.0000' / in. | CHECKED -  | REVISD - |
| PLOT DATE = 3/12/2015      | DATE -     | REVISD - |



333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.missman.com

**ILLINOIS DEPARTMENT OF NATURAL RESOURCES**  
**BURNHAM GREENWAY TRAIL - CROSS SECTIONS**  
SCALE: 1"=5' HORZ SHEET NO. 20 OF 21 SHEETS STA. 171+50.00 TO STA. 173+50.00

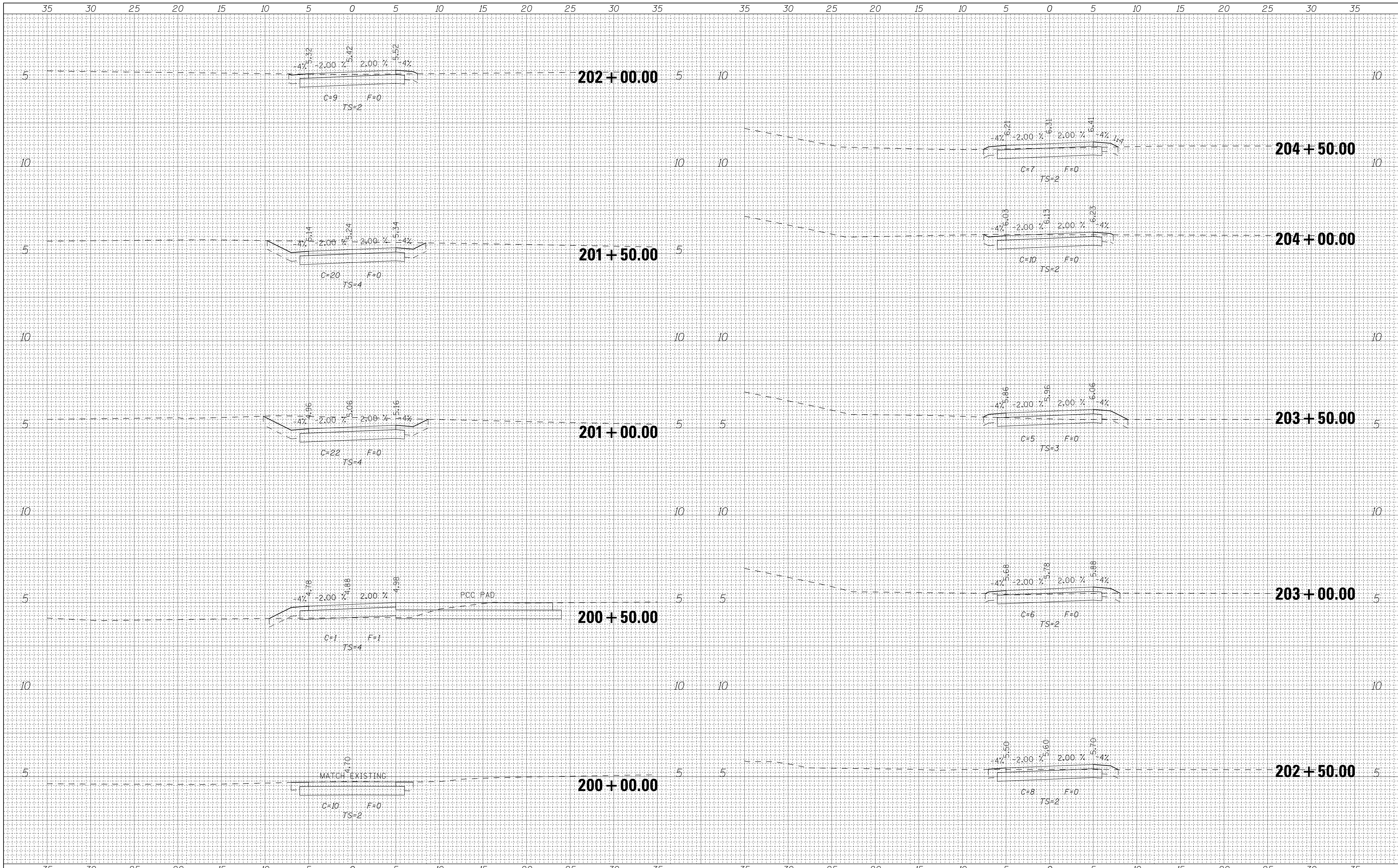
|                    |         |        |                           |           |
|--------------------|---------|--------|---------------------------|-----------|
| F.A. RTE.          | SECTION | COUNTY | TOTAL SHEETS              | SHEET NO. |
|                    |         | COOK   | 70                        | 56        |
| CONTRACT NO. 46301 |         |        | ILLINOIS FED. AID PROJECT |           |





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

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



|             |                     |
|-------------|---------------------|
| FILE NAME = | USER NAME = andrew1 |
| \$FILEA\$   | DESIGNED -          |
|             | DRAWN -             |
|             | CHECKED -           |
|             | DATE -              |

|            |           |
|------------|-----------|
| DESIGNED - | REVISED - |
| DRAWN -    | REVISED - |
| CHECKED -  | REVISED - |
| DATE -     | REVISED - |

|                                  |
|----------------------------------|
| 333 East State Street, Box 4327  |
| Rockford, Illinois 61110-0827    |
| Ph 815-965-6400 Fax 815-965-6416 |
| www.mlsman.com                   |



ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
 BURNHAM GREENWAY TRAIL - CROSS SECTIONS

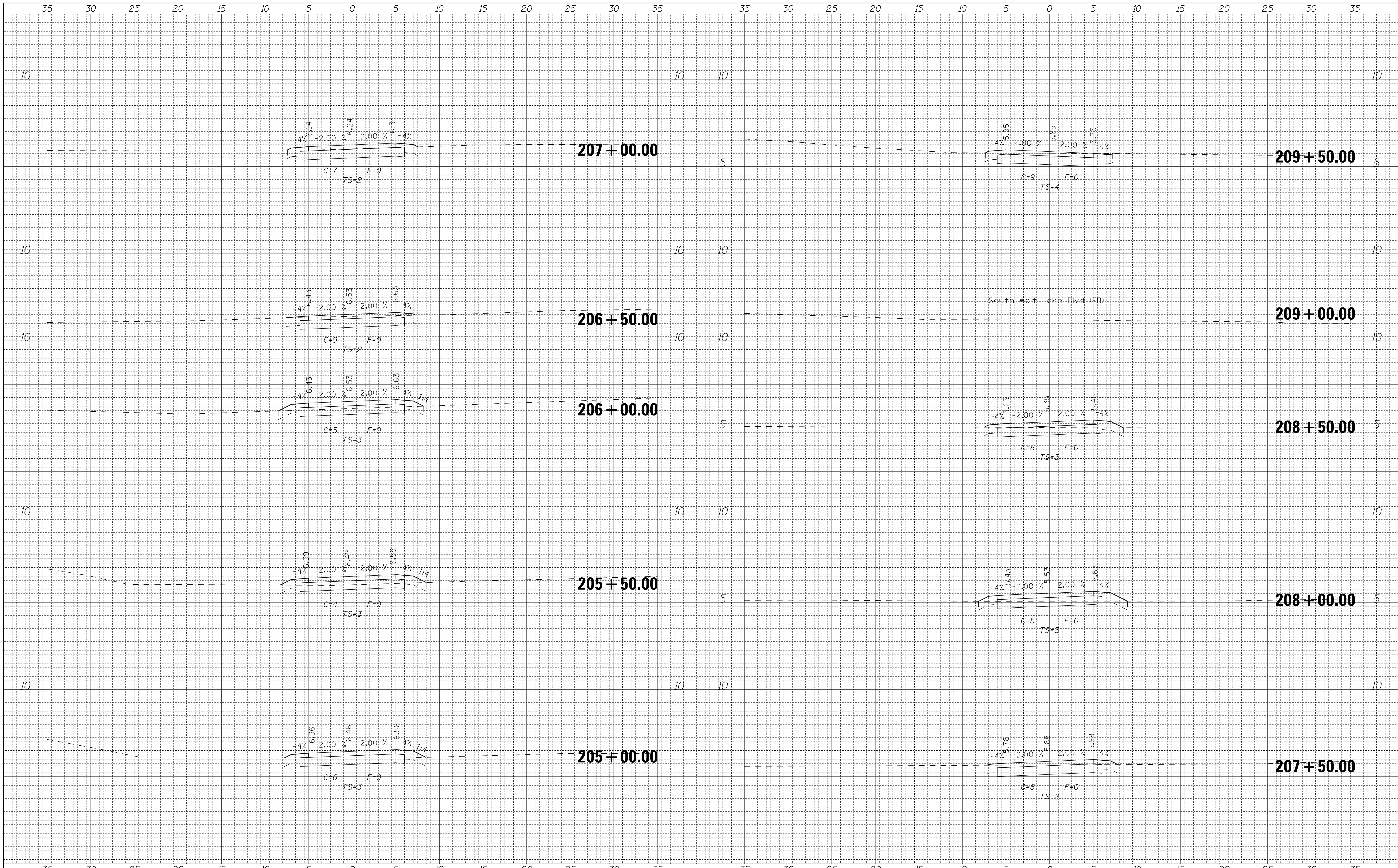
|                   |                         |                                  |
|-------------------|-------------------------|----------------------------------|
| SCALE: 1"=5' HORZ | SHEET NO. 1 OF 4 SHEETS | STA. 200+00.00 TO STA. 204+50.00 |
|-------------------|-------------------------|----------------------------------|

|                           |         |        |              |           |
|---------------------------|---------|--------|--------------|-----------|
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|                           |         | COOK   | 70           | 58        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



|                      |  |
|----------------------|--|
| DATE                 |  |
| BY                   |  |
| FINAL SURVEY PLOTTED |  |
| NOTE BOOK            |  |
| AREAS CHECKED        |  |

|                         |  |
|-------------------------|--|
| DATE                    |  |
| BY                      |  |
| ORIGINAL SURVEY PLOTTED |  |
| NOTE BOOK               |  |
| AREAS CHECKED           |  |

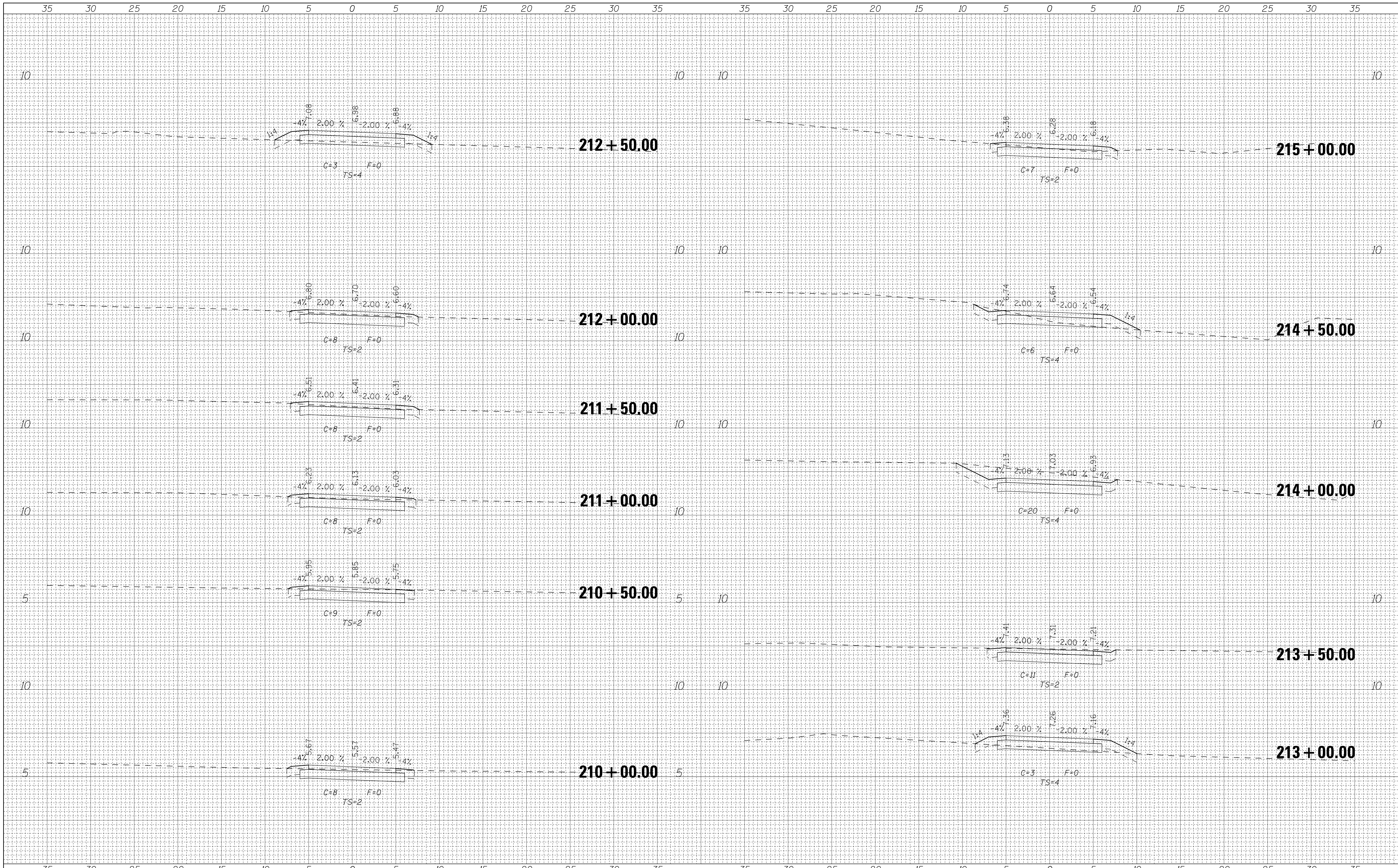


|                            |                     |            |           |                   |  |   |                                  |  |                           |         |        |              |           |
|----------------------------|---------------------|------------|-----------|-------------------|--|---|----------------------------------|--|---------------------------|---------|--------|--------------|-----------|
| FILE NAME =                | USER NAME = andrew1 | DESIGNED - | REVISED - |                   | 333 East State Street, Box 4327<br>Rockford, Illinois 61110-0827<br>Ph 815-965-6400 Fax 815-965-6416<br>www.mlsman.com | <b>ILLINOIS DEPARTMENT OF NATURAL RESOURCES</b><br><b>BURNHAM GREENWAY TRAIL - CROSS SECTIONS</b> |                                  |  | F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| \$FILEA\$                  |                     | DRAWN -    | REVISED - |                   |  |   |                                  |  |                           |         | COOK   | 70           | 59        |
|                            |                     | CHECKED -  | REVISED - |                   |  |   |                                  |  | CONTRACT NO. 46301        |         |        |              |           |
|                            |                     | DATE -     | REVISED - |                   |  |   |                                  |  | ILLINOIS FED. AID PROJECT |         |        |              |           |
| PLOT SCALE = 5.0000' / in. |                     |            |           | SCALE: 1"=5' HORZ |  | SHEET NO. 2 OF 4 SHEETS   | STA. 205+00.00 TO STA. 209+50.00 |  | SEGMENT 1A                |         |        |              |           |



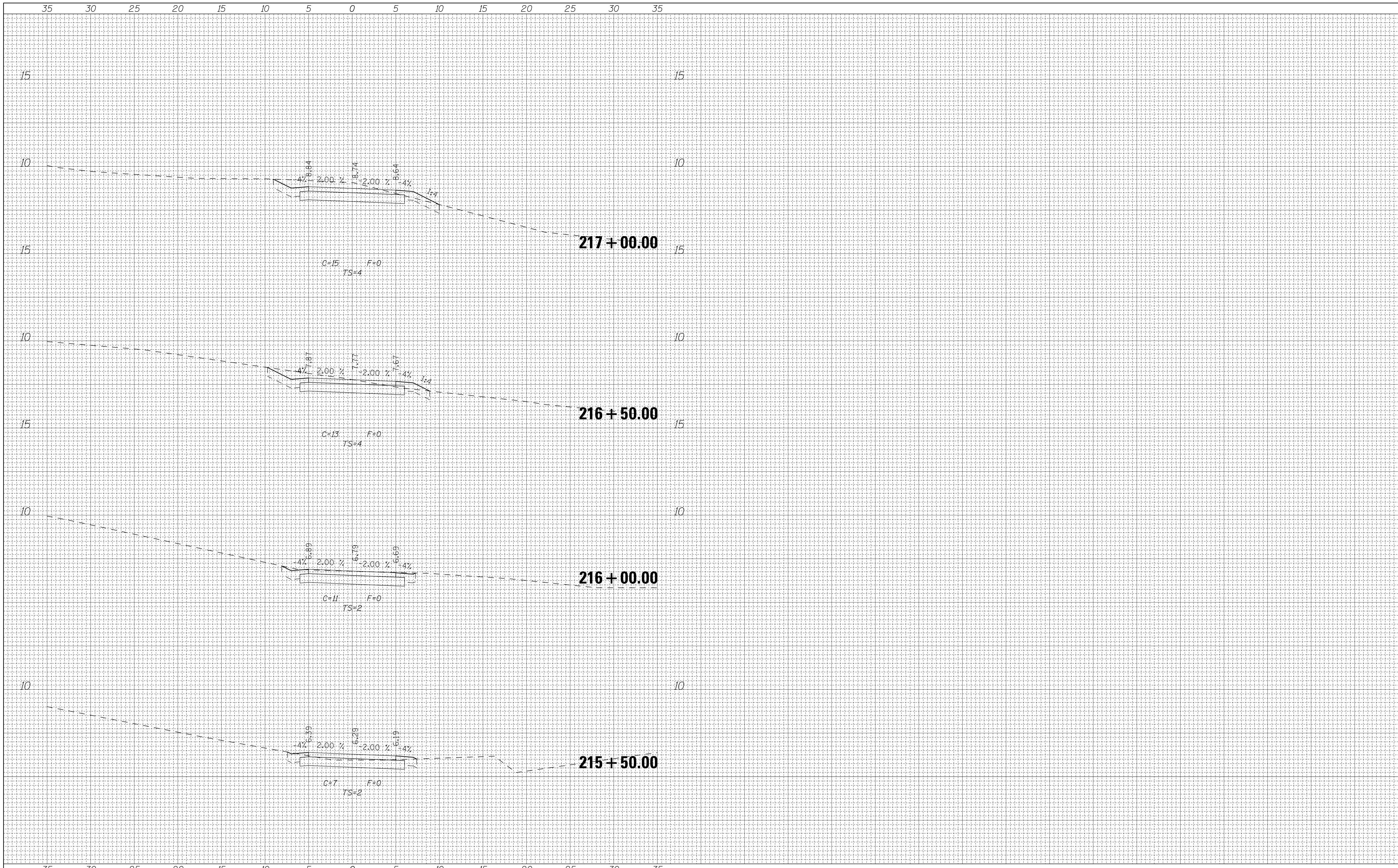
|                      |  |
|----------------------|--|
| DATE                 |  |
| BY                   |  |
| FINAL SURVEY PLOTTED |  |
| NOTE BOOK            |  |
| AREAS CHECKED        |  |

|                         |  |
|-------------------------|--|
| DATE                    |  |
| BY                      |  |
| ORIGINAL SURVEY PLOTTED |  |
| NOTE BOOK               |  |
| AREAS CHECKED           |  |



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

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



FILE NAME =  
\$FILEA\$

USER NAME = andrew1  
PLOT SCALE = 5.0000' / in.  
PLOT DATE = 3/12/2015

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

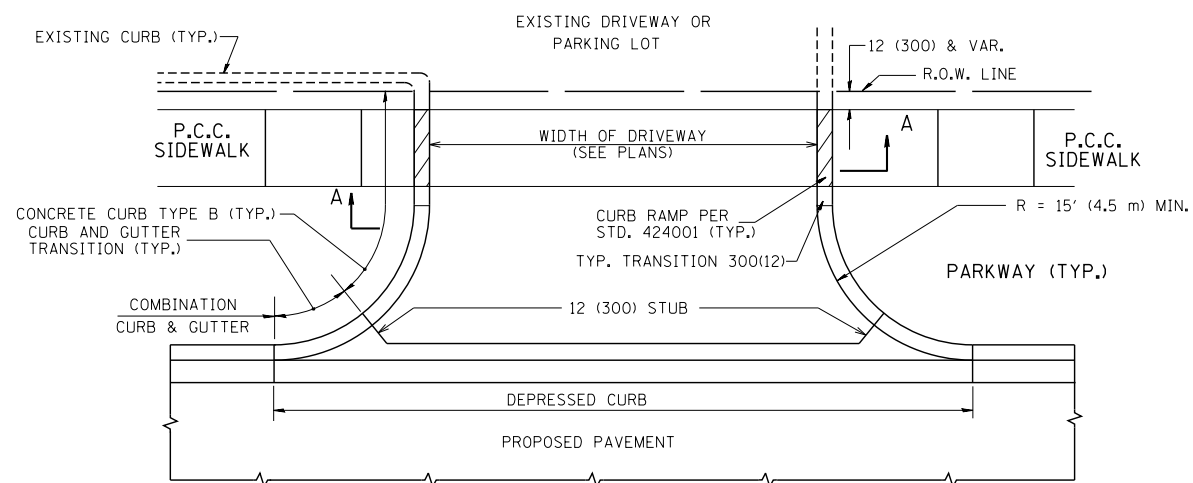
REVISED -  
REVISED -  
REVISED -  
REVISED -



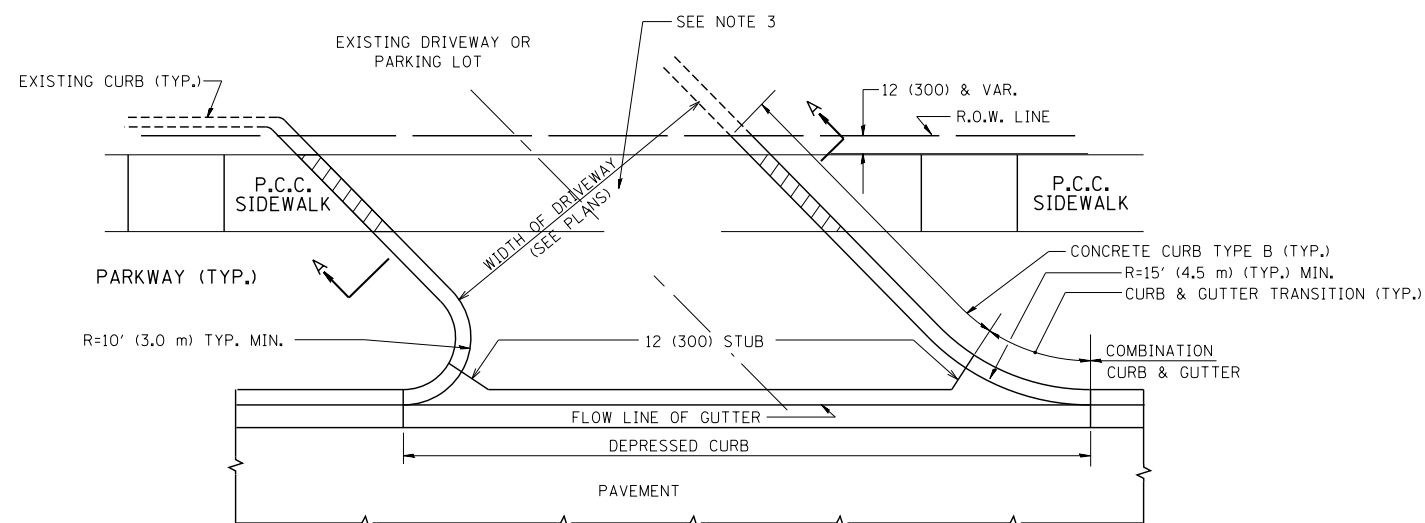
333 East State Street, Box 4327  
Rockford, Illinois 61110-0827  
Ph 815-965-6400 Fax 815-965-6416  
www.mlsman.com

ILLINOIS DEPARTMENT OF NATURAL RESOURCES  
BURNHAM GREENWAY TRAIL - CROSS SECTIONS  
SCALE: 1"=5' HORZ SHEET NO. 4 OF 4 SHEETS STA. 215+50.00 TO STA. 217+00.00

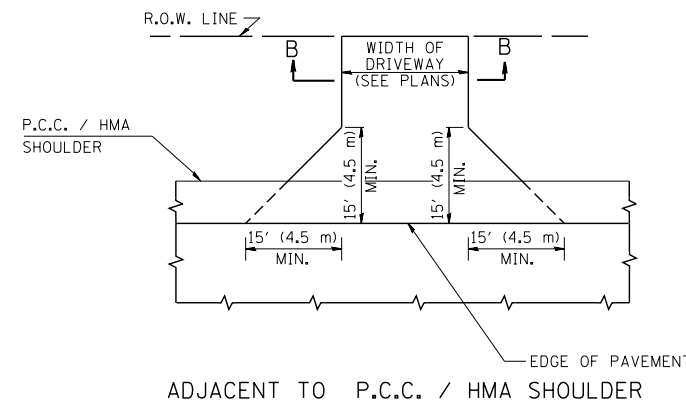
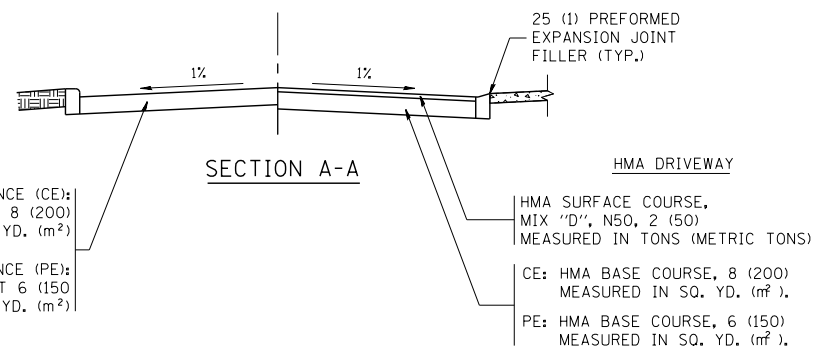
| F.A. RTE.                 | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|---------|--------|--------------|-----------|
|                           |         | COOK   | 70           | 61        |
| CONTRACT NO. 46301        |         |        |              |           |
| ILLINOIS FED. AID PROJECT |         |        |              |           |



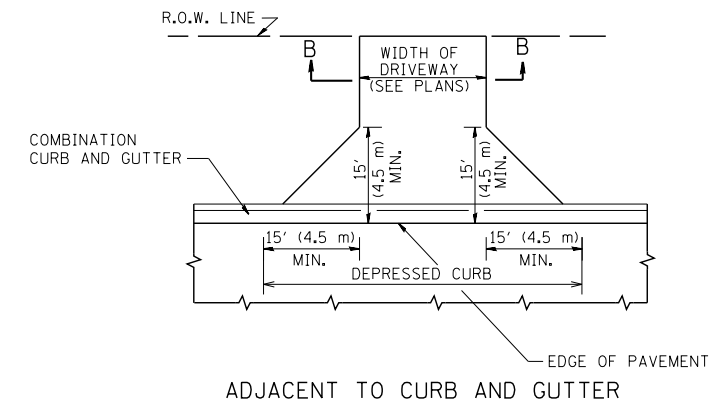
WITH CONCRETE CURB, TYPE B



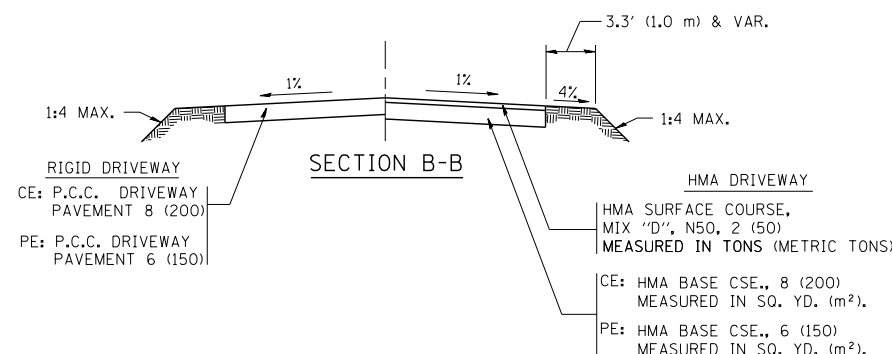
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE,  
MIX 'D', N50, 2 (50)  
MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)  
MEASURED IN SQ. YD. (m<sup>2</sup>).

**GENERAL NOTES:**

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

|   |                             |                    |                               |
|---|-----------------------------|--------------------|-------------------------------|
| FILE NAME =                               | USER NAME = l1eyso          | DESIGNED - R. SHAH | REVISED - P. LofLUER 04-15-03 |
| ct:\pw\work\p1dot\1eyso\d0108315\bd01.dgr |                             | DRAWN -            | REVISED - R. BORO 01-01-07    |
|   | PLOT SCALE = 50.0000' / in. | CHECKED -          | REVISED - R. BORO 06-11-08    |
|   | PLOT DATE = 9/6/2011        | DATE - 11-04-95    | REVISED - R. BORO 09-06-11    |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.  
AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

|   |         |                    |              |           |
|---|---------|--------------------|--------------|-----------|
| F.A. RTE.                                       | SECTION | COUNTY             | TOTAL SHEETS | SHEET NO. |
|   |         | COOK               | 70           | 62        |
| BD0156-07 (BD-01)                               |         | CONTRACT NO. 46301 |              |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |         |                    |              |           |



VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001  
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) \*\*

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

\* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

\*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

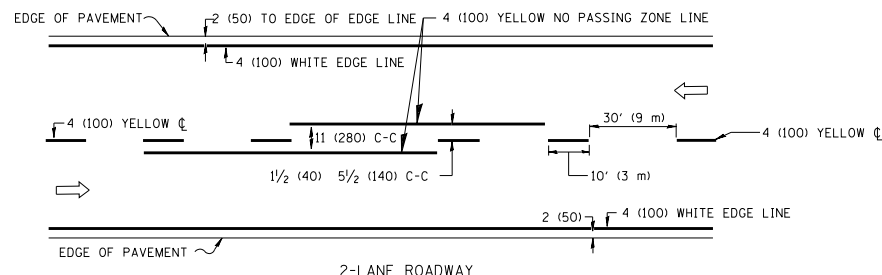
**BASIS OF PAYMENT:**

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

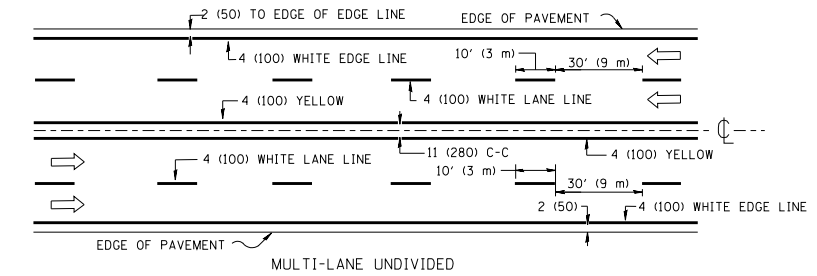
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

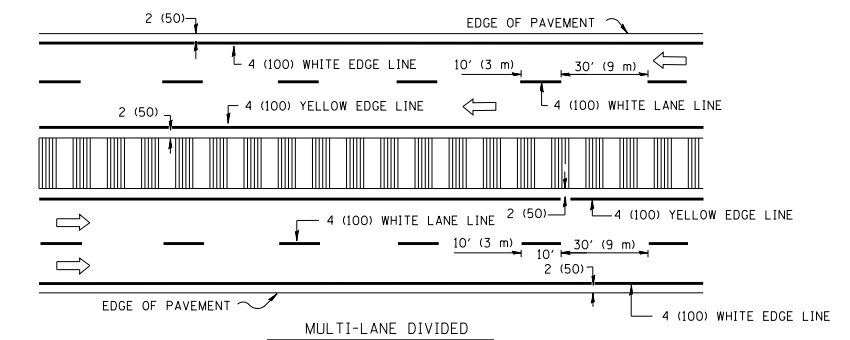
|   |                        |                             |                             |   |  |          |                  |                    |         |        |              |           |
|---|------------------------|-----------------------------|-----------------------------|---|--|----------|------------------|--------------------|---------|--------|--------------|-----------|
| FILE NAME =                                   | USER NAME = drivakosgn | DESIGNED - A. HOUSEH        | REVISED - R. SHAH 10-03-96  | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>CURB OR CURB AND GUTTER<br/>REMOVAL AND REPLACEMENT</b> |          |                  | F.A. RTE.          | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ct:\pw\work\p1dot\drivakosgn\0108315\bd24.dgn | DRAWN -                | REVISED - A. ABBAS 03-21-97 | REVISED - M. GOMEZ 01-22-01 |   |  |          |                  | COOK               | 70      | 63     |              |           |
| PLOT SCALE = 50.000' / IN.                    | CHECKED -              | REVISED - R. BORO 12-15-09  |                             |   | <b>BD600-06 (BD-24)</b>                                    |          |                  | CONTRACT NO. 46301 |         |        |              |           |
| PLOT DATE = 12/15/2009                        | DATE - 03-11-94        |                             |                             |   | FED. ROAD DIST. NO. 1                                      | ILLINOIS | FED. AID PROJECT |                    |         |        |              |           |



2-LANE ROADWAY



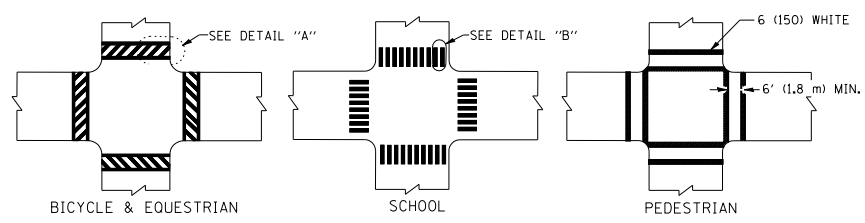
MULTI-LANE UNDIVIDED



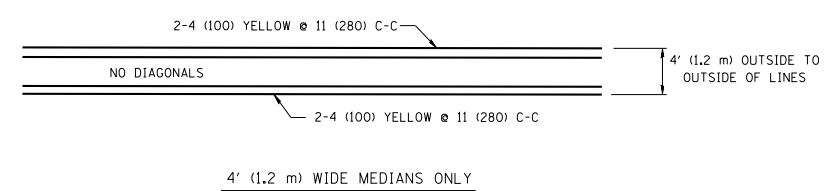
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

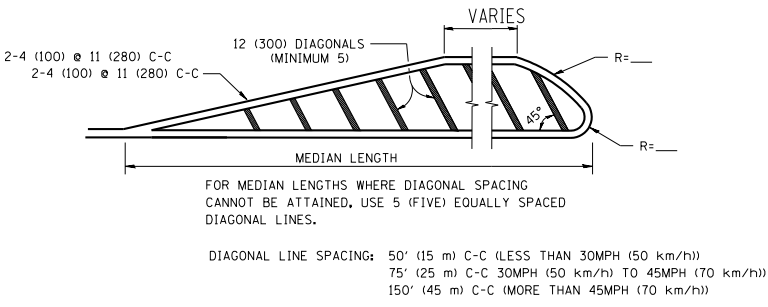
TYPICAL LANE AND EDGE LINE MARKING



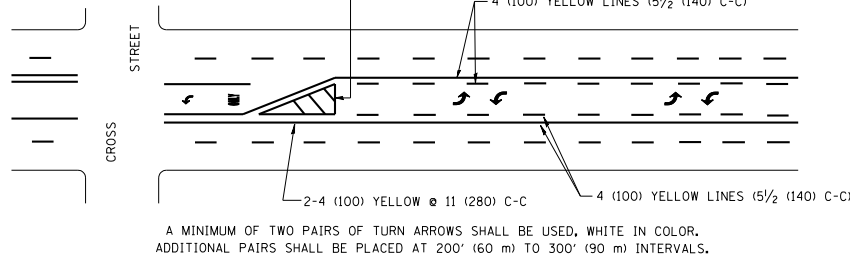
TYPICAL CROSSWALK MARKING



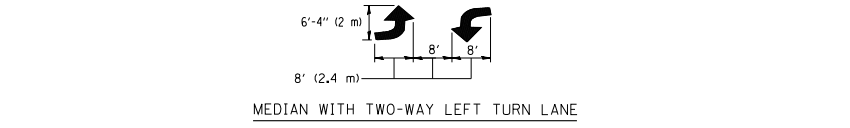
4' (1.2 m) WIDE MEDIANS ONLY



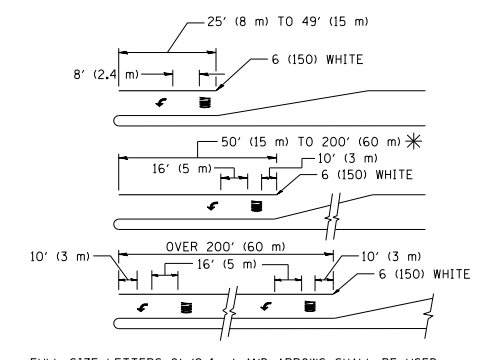
MEDIANS OVER 4' (1.2 m) WIDE



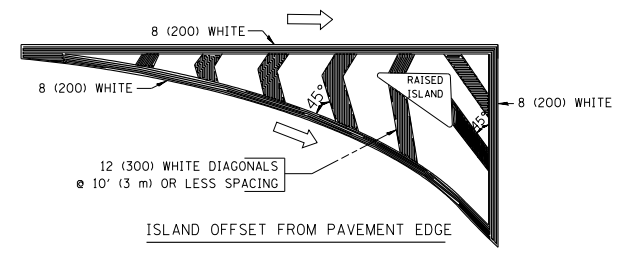
TYPICAL PAINTED MEDIAN MARKING



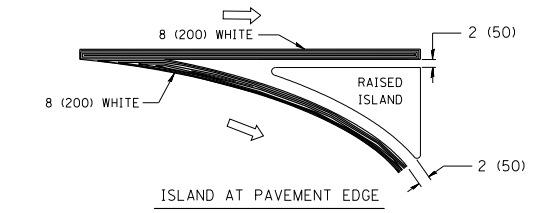
MEDIAN WITH TWO-WAY LEFT TURN LANE



TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

| TYPE OF MARKING   | WIDTH OF LINE  | PATTERN                | COLOR   | SPACING / REMARKS  |
|---|--|------------------------|---|--|
| CENTERLINE ON 2 LANE PAVEMENT                                   | 4 (100)  | SKIP-DASH              | YELLOW  | 10' (3 m) LINE WITH 30' (9 m) SPACE  |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT                     | 2 @ 4 (100)  | SOLID                  | YELLOW  | 11 (280) C-C   |
| NO PASSING ZONE LINES: FOR ONE DIRECTION                        | 4 (100)  | SOLID                  | YELLOW  | 5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE  |
| NO PASSING ZONE LINES: FOR BOTH DIRECTIONS                      | 2 @ 4 (100)  | SOLID                  | YELLOW  | 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN   |
| LANE LINES  | 4 (100)<br>5 (125) ON FREEWAYS   | SKIP-DASH<br>SKIP-DASH | WHITE<br>WHITE                                    | 10' (3 m) LINE WITH 30' (9 m) SPACE  |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED  | SKIP-DASH              | SAME AS LINE BEING EXTENDED                       | 2' (600) LINE WITH 6' (1.8 m) SPACE  |
| EDGE LINES  | 4 (100)  | SOLID                  | YELLOW-LEFT<br>WHITE-RIGHT                        | OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB  |
| TURN LANE MARKINGS  | 6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))                      | SOLID                  | WHITE   | SEE TYPICAL TURN LANE MARKING DETAIL   |
| TWO WAY LEFT TURN MARKING                                       | 2 @ 4 (100) EACH DIRECTION   | SKIP-DASH AND SOLID    | YELLOW  | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE   |
|   | 8' (2.4m) LEFT ARROW   | IN PAIRS               | WHITE   | SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL   |
| CROSSWALK LINES (PEDESTRIAN)                                    | 2 @ 6 (150)  | SOLID                  | WHITE   | NOT LESS THAN 6' (1.8 m) APART   |
| A. DIAGONALS (BIKE & EQUESTRIAN)                                | 12 (300) @ 45°   | SOLID                  | WHITE   | 2' (600) APART   |
| B. LONGITUDINAL BARS (SCHOOL)                                   | 12 (300) @ 90°   | SOLID                  | WHITE   | 2' (600) APART   |
|   |  |                        |   | SEE TYPICAL CROSSWALK MARKING DETAILS.   |
| STOP LINES  | 24 (600)   | SOLID                  | WHITE   | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE |
| PAINTED MEDIANS   | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°                                  | SOLID                  | YELLOW; TWO WAY TRAFFIC<br>WHITE; ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE<br>SEE TYPICAL PAINTED MEDIAN MARKING.  |
| GORE MARKING AND CHANNELIZING LINES                             | 8 (200) WITH 12 (300) DIAGONALS @ 45°                                      | SOLID                  | WHITE   | DIAGONALS:<br>15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h))<br>20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))<br>30' (9 m) C-C (OVER 45MPH (70 km/h))             |
| RAILROAD CROSSING   | 24 (600) TRANSVERSE LINES; "RR" 15' (4.5 m) LETTERS; 16 (400) LINE FOR "X" | SOLID                  | WHITE   | SEE STATE STANDARD 780001<br>AREA OF:<br>"R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH<br>"X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )                                     |
| SHOULDER DIAGONALS  | 12 (300) @ 45°   | SOLID                  | WHITE - RIGHT<br>YELLOW - LEFT                    | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))<br>75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h))<br>150' (45 m) C-C (OVER 45MPH (70 km/h))                       |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

|   |                            |                  |                                 |
|---|----------------------------|------------------|---------------------------------|
| FILE NAME =                                   | USER NAME = drivakosgn     | DESIGNED - EVERS | REVISED - T. RAMMACHER 10-27-94 |
| ca:\pw\work\p1dot\drivakosgn\d0108315\to3.dgn |                            | DRAWN -          | REVISED - C. JUCIUS 09-09-09    |
|   | PLOT SCALE = 50.000' / IN. | CHECKED -        | REVISED -                       |
|   | PLOT DATE = 9/9/2009       | DATE - 03-19-90  | REVISED -                       |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

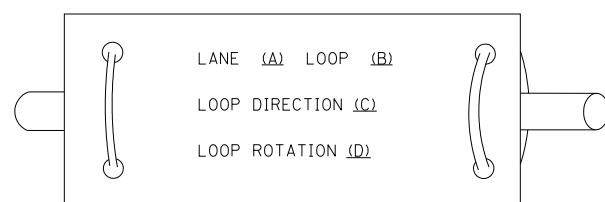
|                           |                         |      |         |
|---------------------------|-------------------------|------|---------|
| DISTRICT ONE              |                         |      |         |
| TYPICAL PAVEMENT MARKINGS |                         |      |         |
| SCALE: NONE               | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

|   |         |        |              |           |
|---|---------|--------|--------------|-----------|
| F.A. RTE.                                       | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|   | TC-13   | COOK   | 70           | 64        |
| CONTRACT NO. 46301                              |         |        |              |           |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |         |        |              |           |

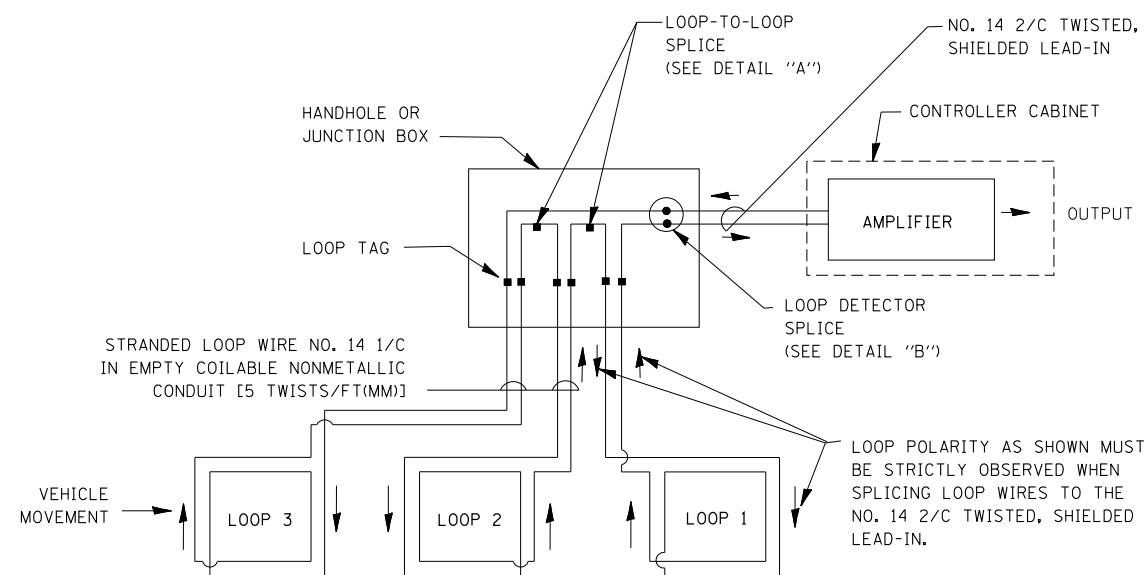
## LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

### LOOP LEAD-IN CABLE TAG

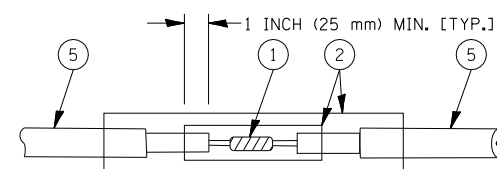


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

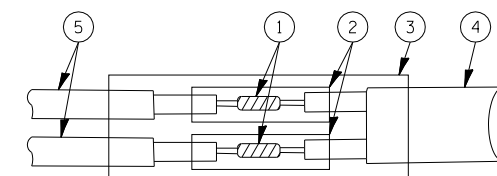


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

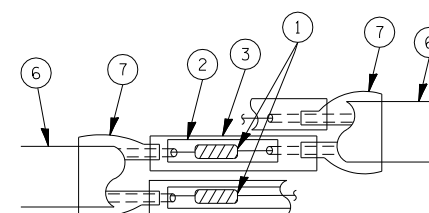


DETAIL "A"  
LOOP-TO-LOOP SPLICE

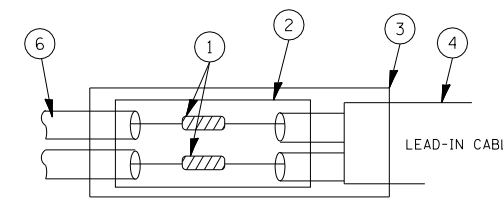


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

### TYPE I LOOP



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

### LOOP DETECTOR SPLICE

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- PRE-FORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

|  |                     |                 |           |
|--|---------------------|-----------------|-----------|
| FILE NAME =                                  | USER NAME = bauerdl | DESIGNED - DAD  | REVISED - |
| ct:\pw\work\PWIDOT\BAUERDL\d0108315\ts05.dgn |                     | DRAWN - BCK     | REVISED - |
|  |                     | CHECKED - DAD   | REVISED - |
|  |                     | DATE - 10-28-09 | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

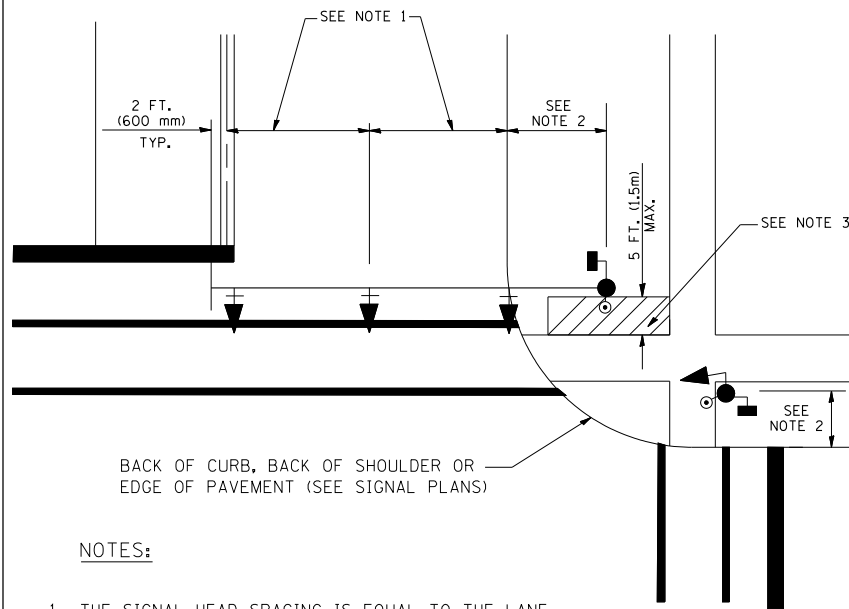
SCALE: NONE SHEET NO. 1 OF 6 SHEETS STA. TO STA.

|   |         |        |                    |           |
|---|---------|--------|--------------------|-----------|
| F.A. RTE.                                       | SECTION | COUNTY | TOTAL SHEETS       | SHEET NO. |
|   | TS-05   | COOK   | 70                 | 65        |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |         |        | CONTRACT NO. 46301 |           |



**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

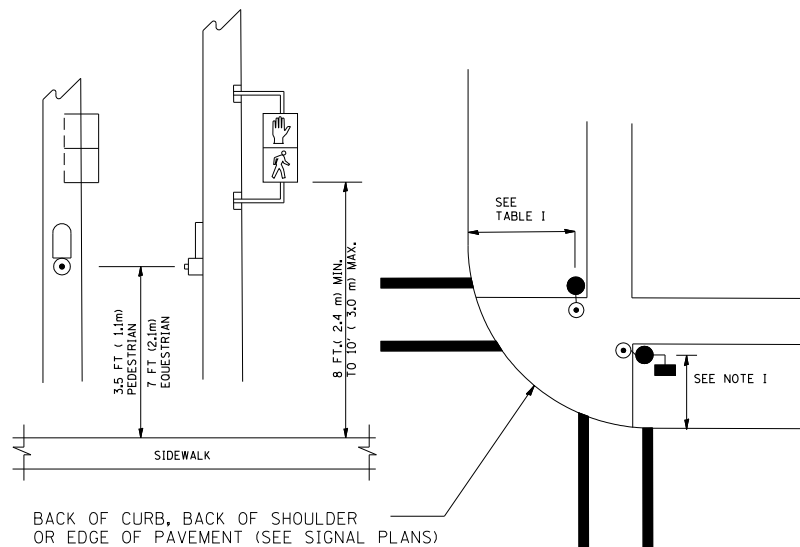
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

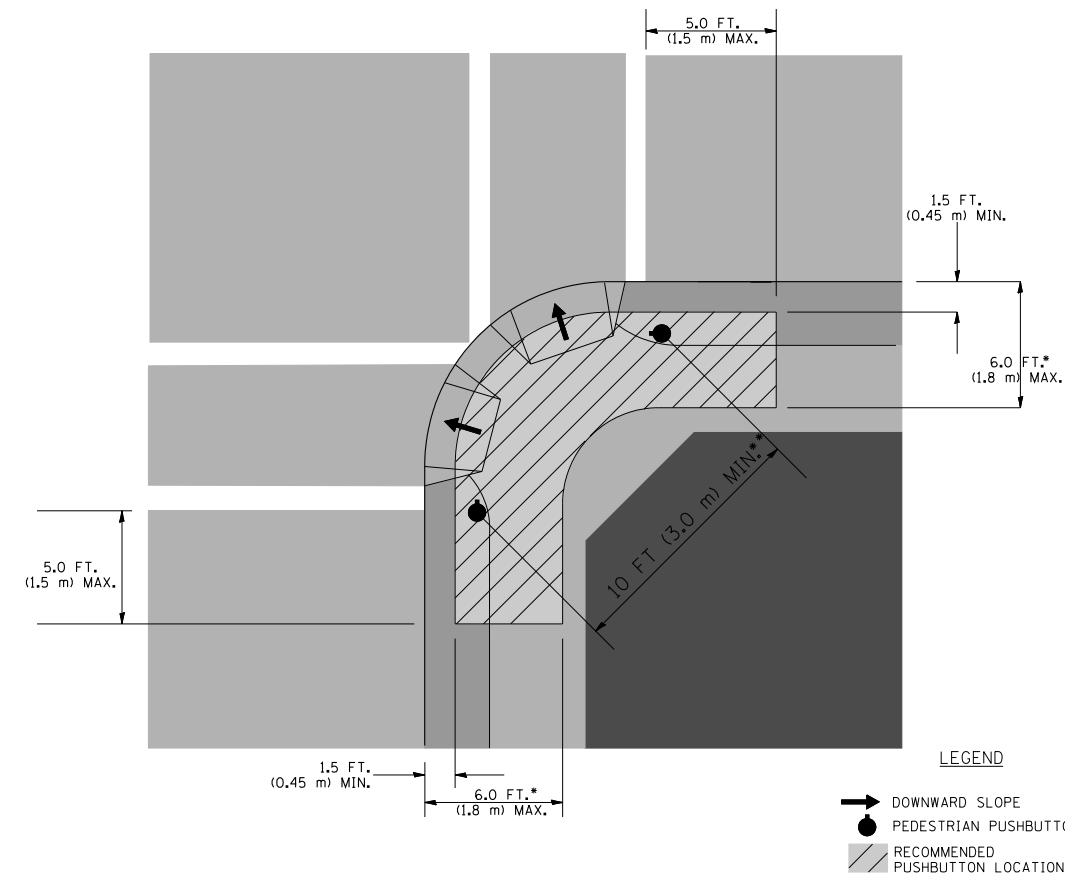
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT ( 1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

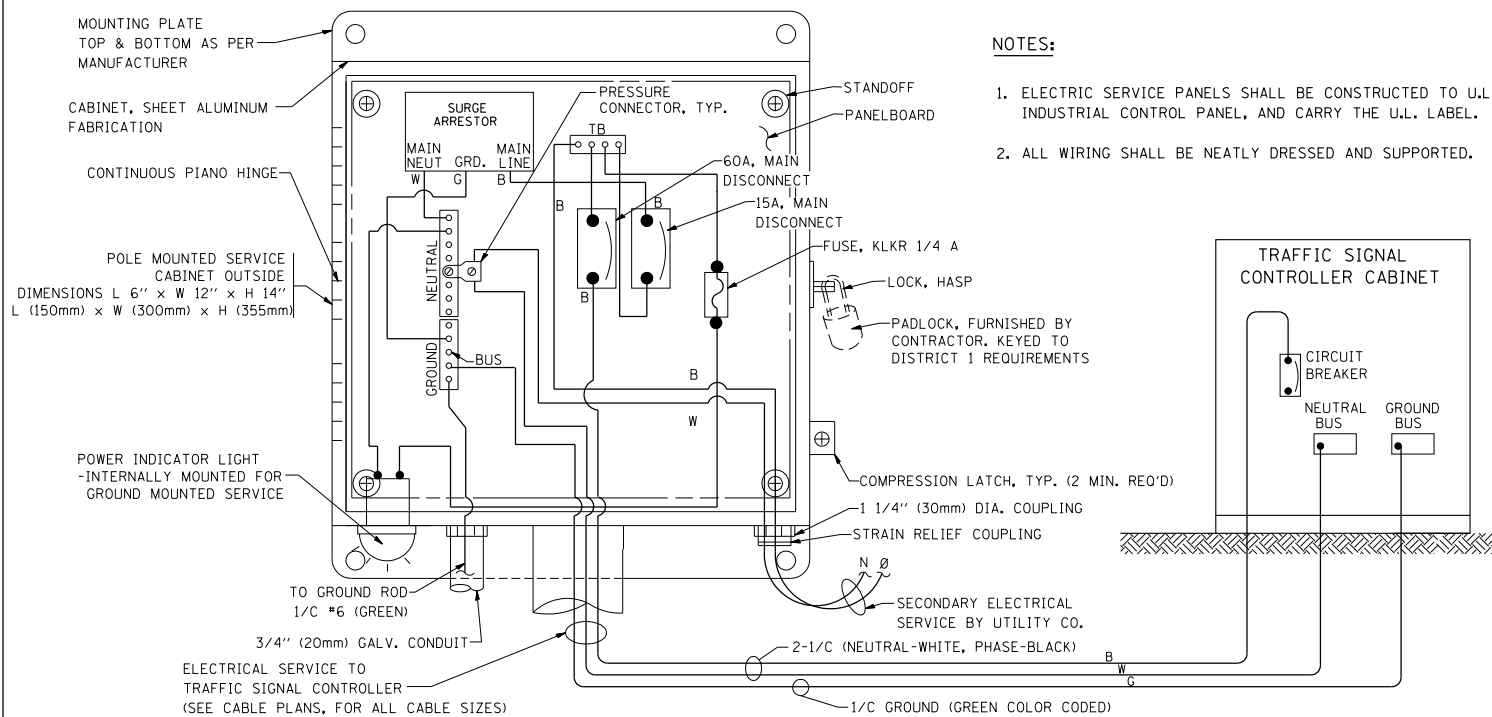
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

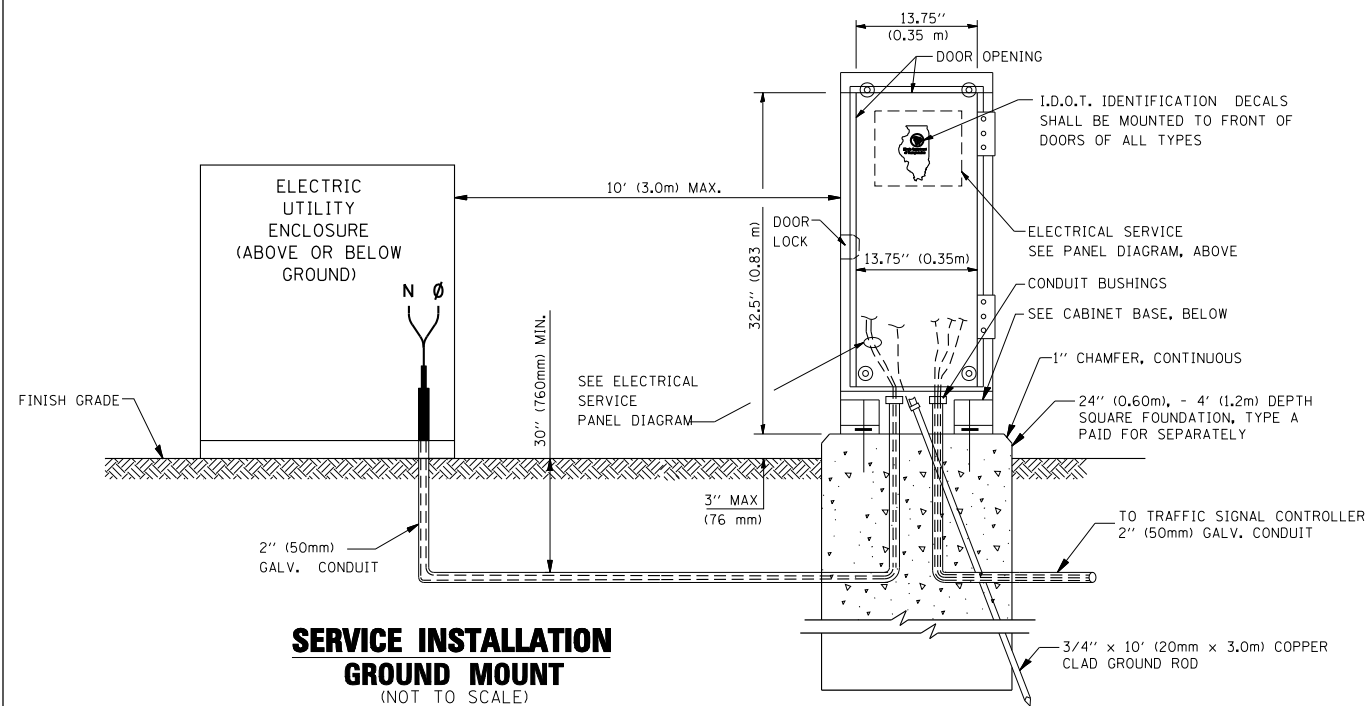
| TRAFFIC SIGNAL EQUIPMENT           | COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION) | SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION) |
|------------------------------------|---|---|
| TRAFFIC SIGNAL MAST ARM POLE       | 6 FT (1.8m)   | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)  |
| TRAFFIC SIGNAL POST                | 4 FT (1.2m)   | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)  |
| PEDESTRIAN SIGNAL POST             | 4 FT (1.2m)   | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)  |
| PEDESTRIAN PUSHBUTTON POST         | 4 FT (1.2m)   | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)  |
| TEMPORARY WOOD POLE                | 6 FT (1.8m)   | SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)  |
| CONTROLLER CABINET                 | 6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2   | SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.                                |
| SERVICE INSTALLATION, GROUND MOUNT | 6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2   | SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.                                |

**NOTES:**

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

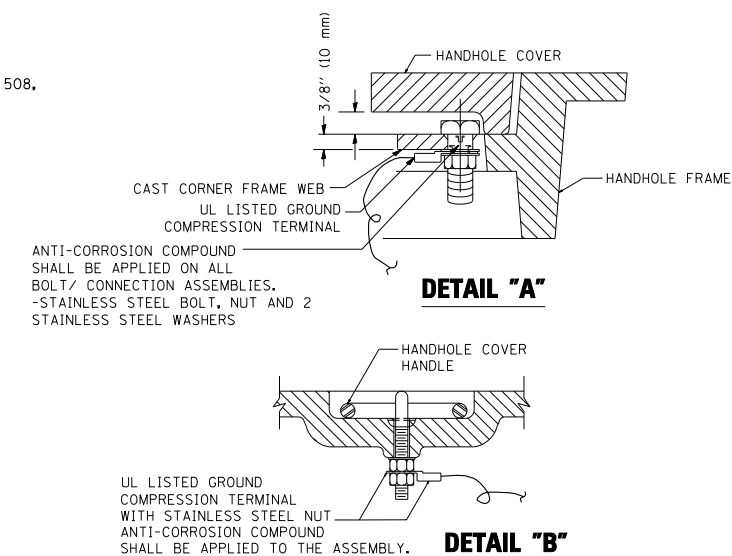
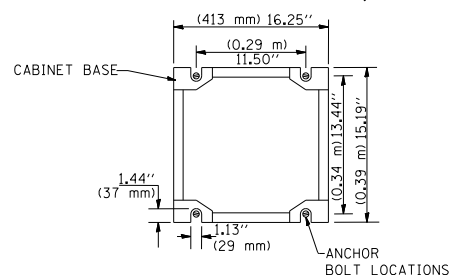


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)



**SERVICE INSTALLATION GROUND MOUNT**  
 (NOT TO SCALE)

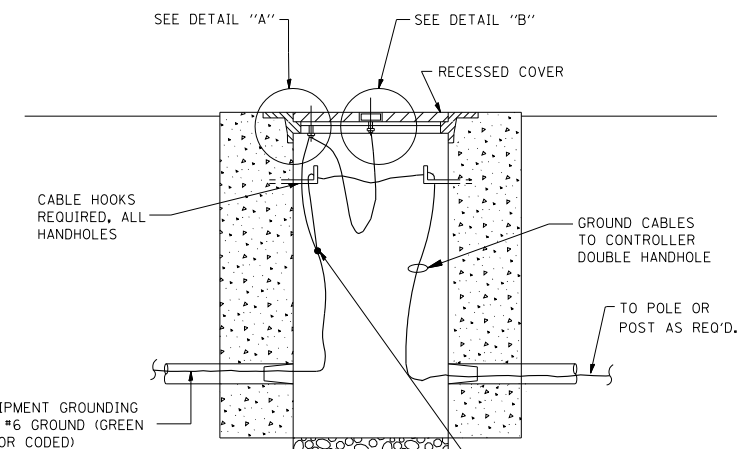
**CABINET – BASE BOLT PATTERN**  
 (NOT TO SCALE)



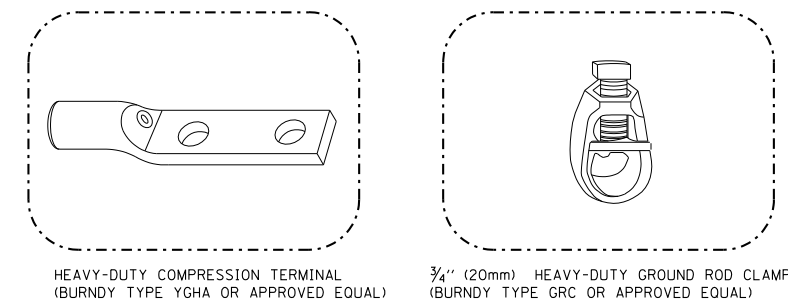
**NOTES:**

**GROUNDING SYSTEM**

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

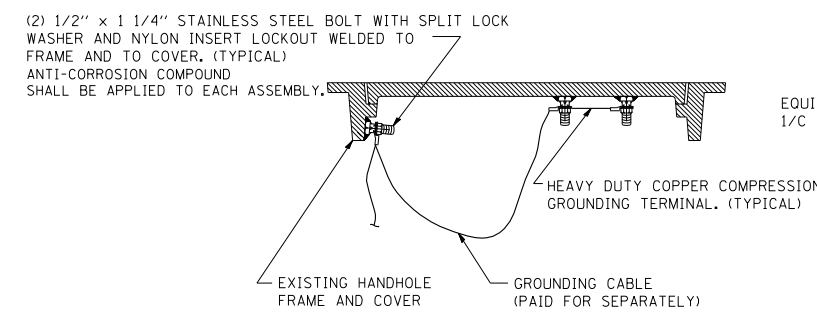


**HANDHOLE COVER & FRAME – GROUNDING DETAIL**  
 (NOT TO SCALE)

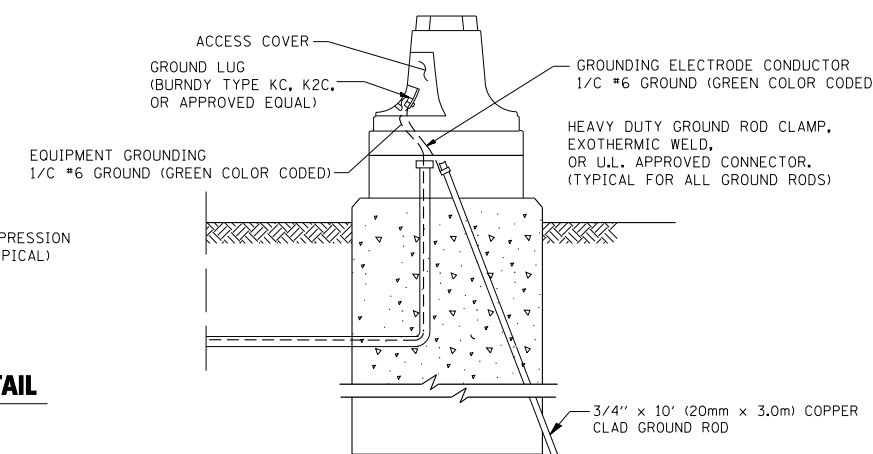


**NOTES:**

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



**EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL**  
 (NOT TO SCALE)



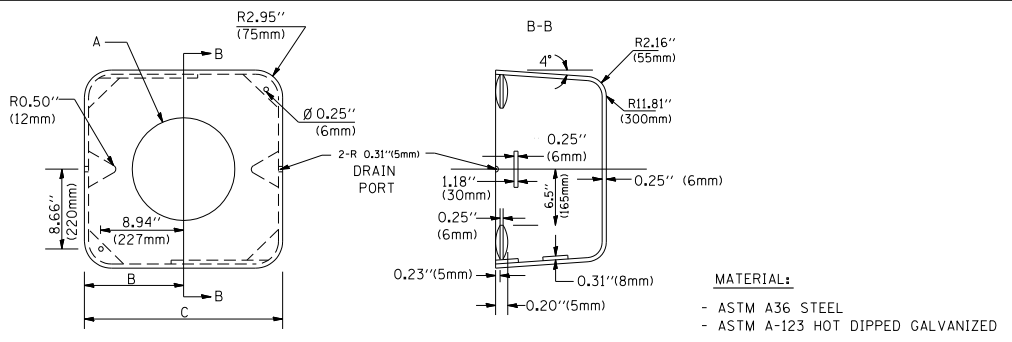
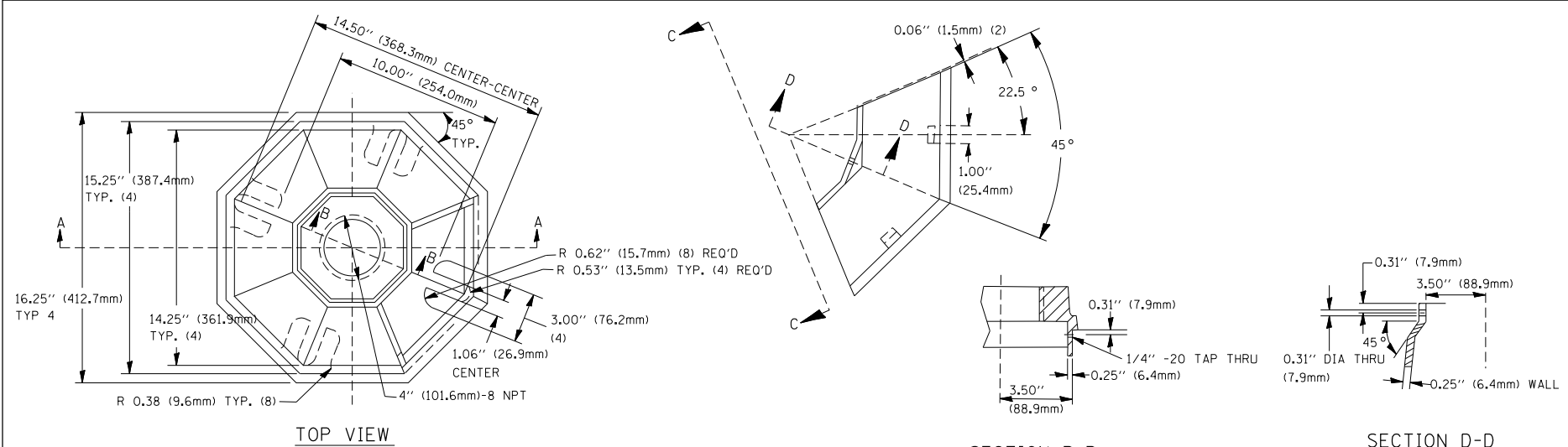
**MAST ARM POLE / POST-GROUNDING DETAIL**  
 (NOT TO SCALE)

|  |                     |                 |           |
|--|---------------------|-----------------|-----------|
| FILE NAME =                                  | USER NAME = bauerdl | DESIGNED - DAD  | REVISED - |
| ce:\pw\work\PWIDOT\BAUERDL\d0108315\ts05.dgn |                     | DRAWN - BCK     | REVISED - |
|  |                     | CHECKED - DAD   | REVISED - |
|  |                     | DATE - 10-28-09 | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

|   |                         |      |         |
|---|-------------------------|------|---------|
| <b>DISTRICT ONE</b>                           |                         |      |         |
| <b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b> |                         |      |         |
| SCALE: NONE                                   | SHEET NO. 3 OF 6 SHEETS | STA. | TO STA. |

|                                |              |                    |              |           |
|--------------------------------|--------------|--------------------|--------------|-----------|
| F.A. RTE.                      | SECTION      | COUNTY             | TOTAL SHEETS | SHEET NO. |
|                                | <b>TS-05</b> | COOK               | 70           | 67        |
| FED. ROAD DIST. NO. 1 ILLINOIS |              | CONTRACT NO. 46301 |              |           |
| FED. AID PROJECT               |              |                    |              |           |

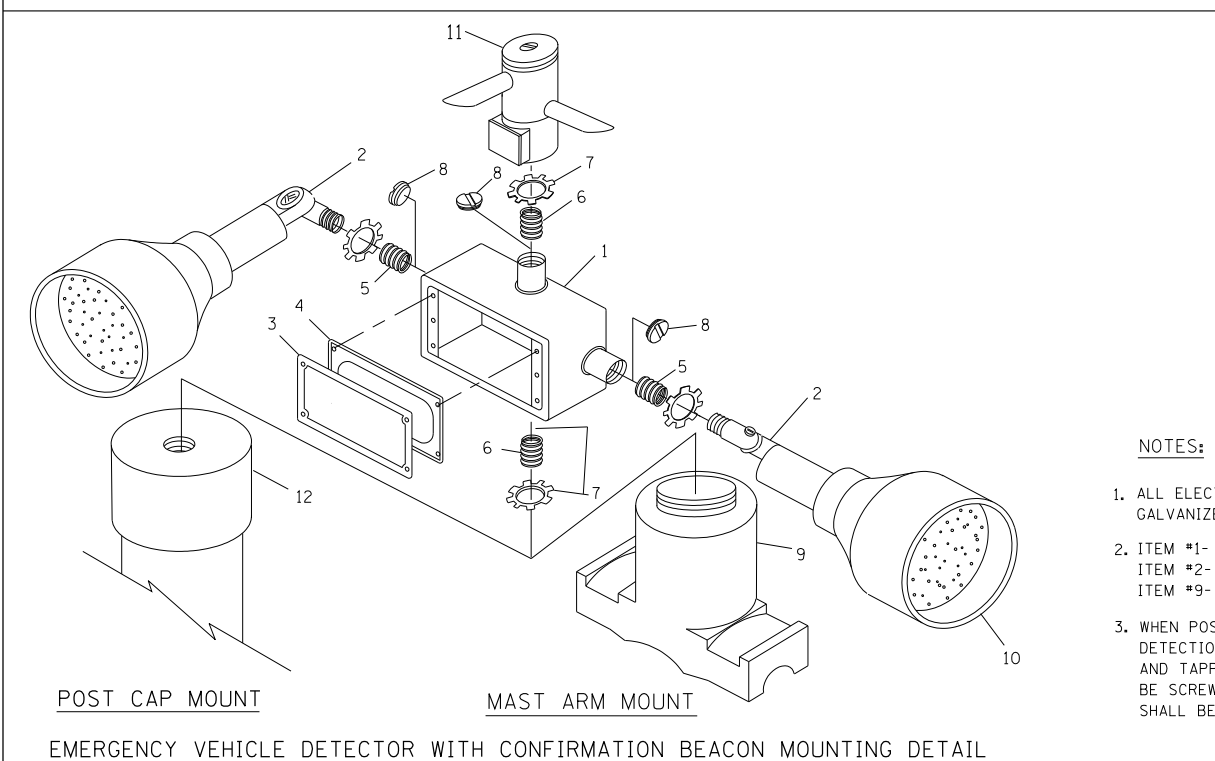
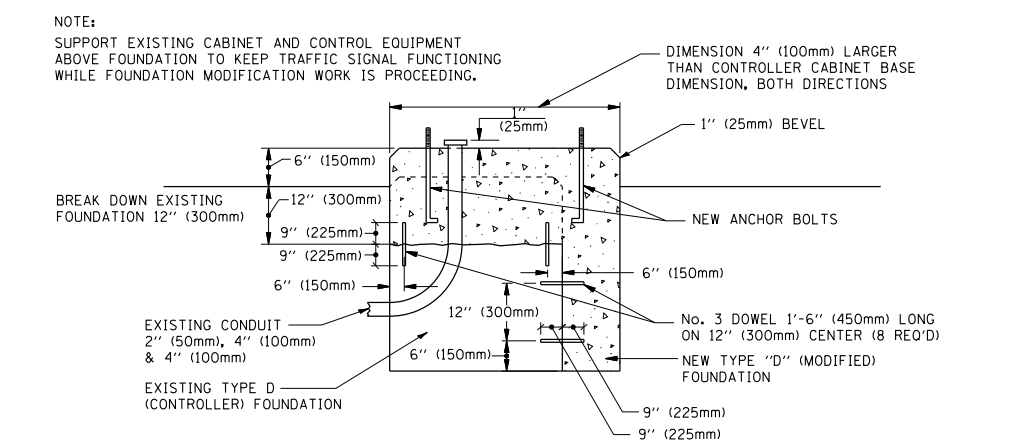
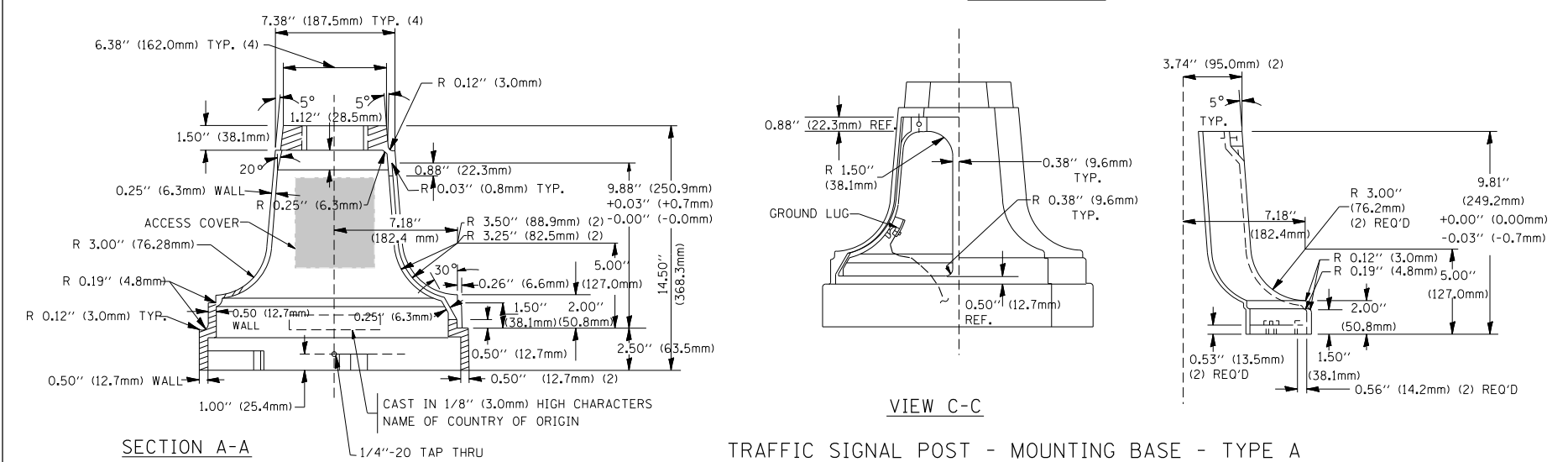


| A      | B              | C             | HEIGHT                   | WEIGHT          |
|--------|----------------|---------------|--------------------------|-----------------|
| VARIES | 9.5\"(241mm)   | 19\"(483mm)   | 7\"(178mm) - 12\"(300mm) | 53 lbs (24kg)   |
| VARIES | 10.75\"(273mm) | 21.5\"(546mm) | 7\"(178mm) - 12\"(300mm) | 68 lbs (31 kg)  |
| VARIES | 13.0\"(330mm)  | 26\"(660mm)   | 7\"(178mm) - 12\"(300mm) | 81 lbs (37 kg)  |
| VARIES | 18.5\"(470mm)  | 37\"(940mm)   | 7\"(178mm) - 12\"(300mm) | 126 lbs (57 kg) |

**SHROUD**

**NOTES:**

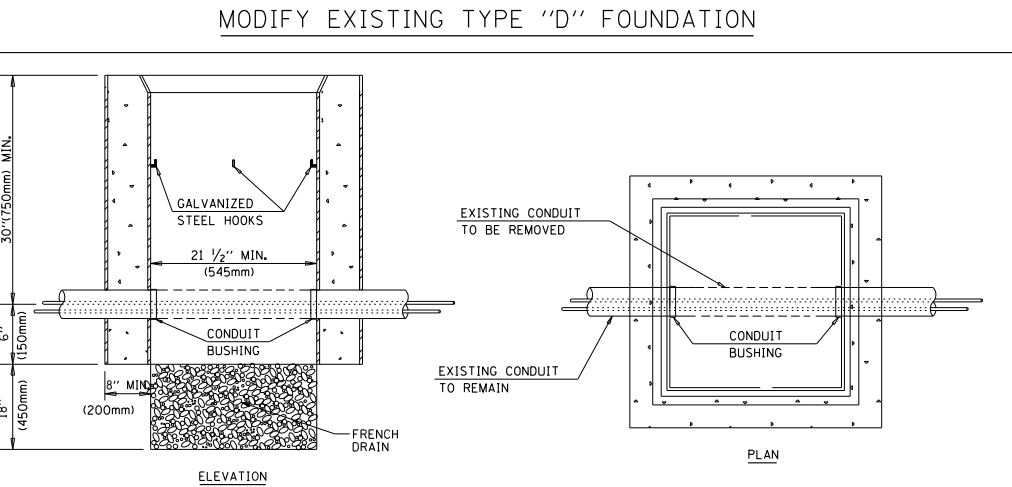
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.



| ITEM NO. | IDENTIFICATION                              |
|----------|---|
| 1        | OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M) |
| 2        | LAMP HOLDER AND COVER                       |
| 3        | OUTLET BOX COVER                            |
| 4        | RUBBER COVER GASKET                         |
| 5        | REDUCING BUSHING                            |
| 6        | 3/4\"(19 mm) CLOSE NIPPLE                   |
| 7        | 3/4\"(19 mm) LOCKNUT                        |
| 8        | 3/4\"(19 mm) HOLE PLUG                      |
| 9        | SADDLE BRACKET - GALV.                      |
| 10       | 6 WATT PAR 38 LED FLOOD LAMP                |
| 11       | DETECTOR UNIT                               |
| 12       | POST CAP [18 FT. (5.4 m) POST MIN.]         |

**NOTES:**

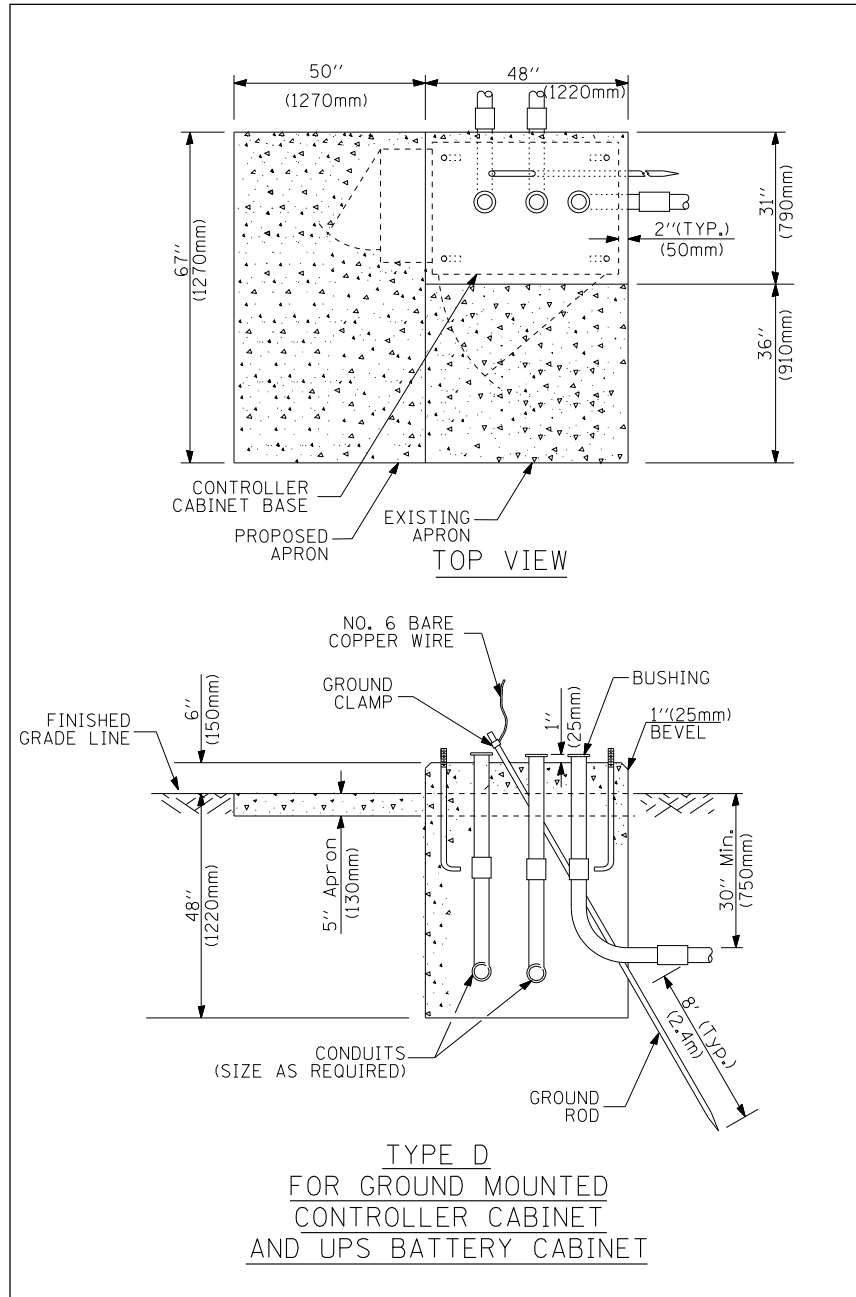
- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-0-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4\"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



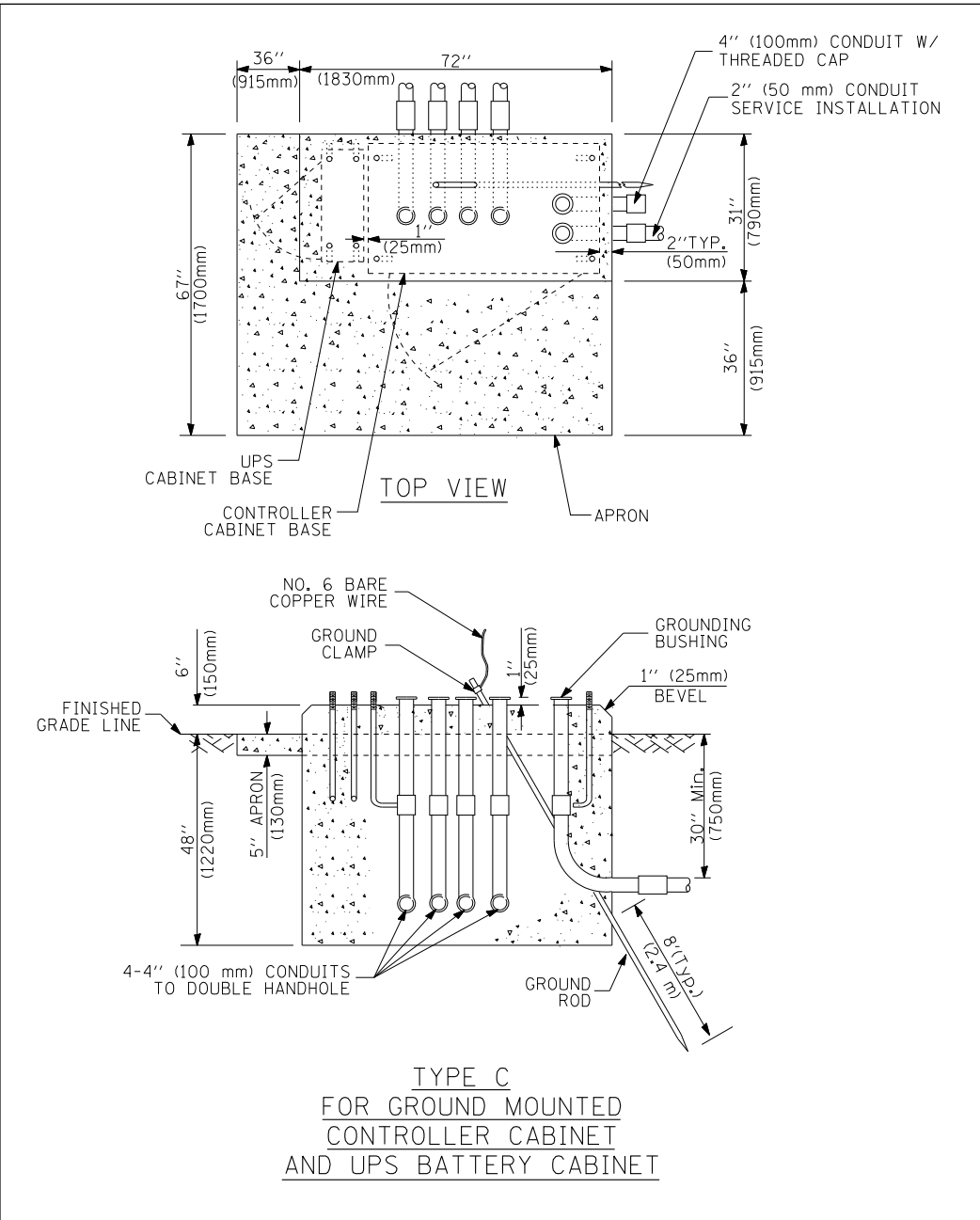
**NOTES:**

- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

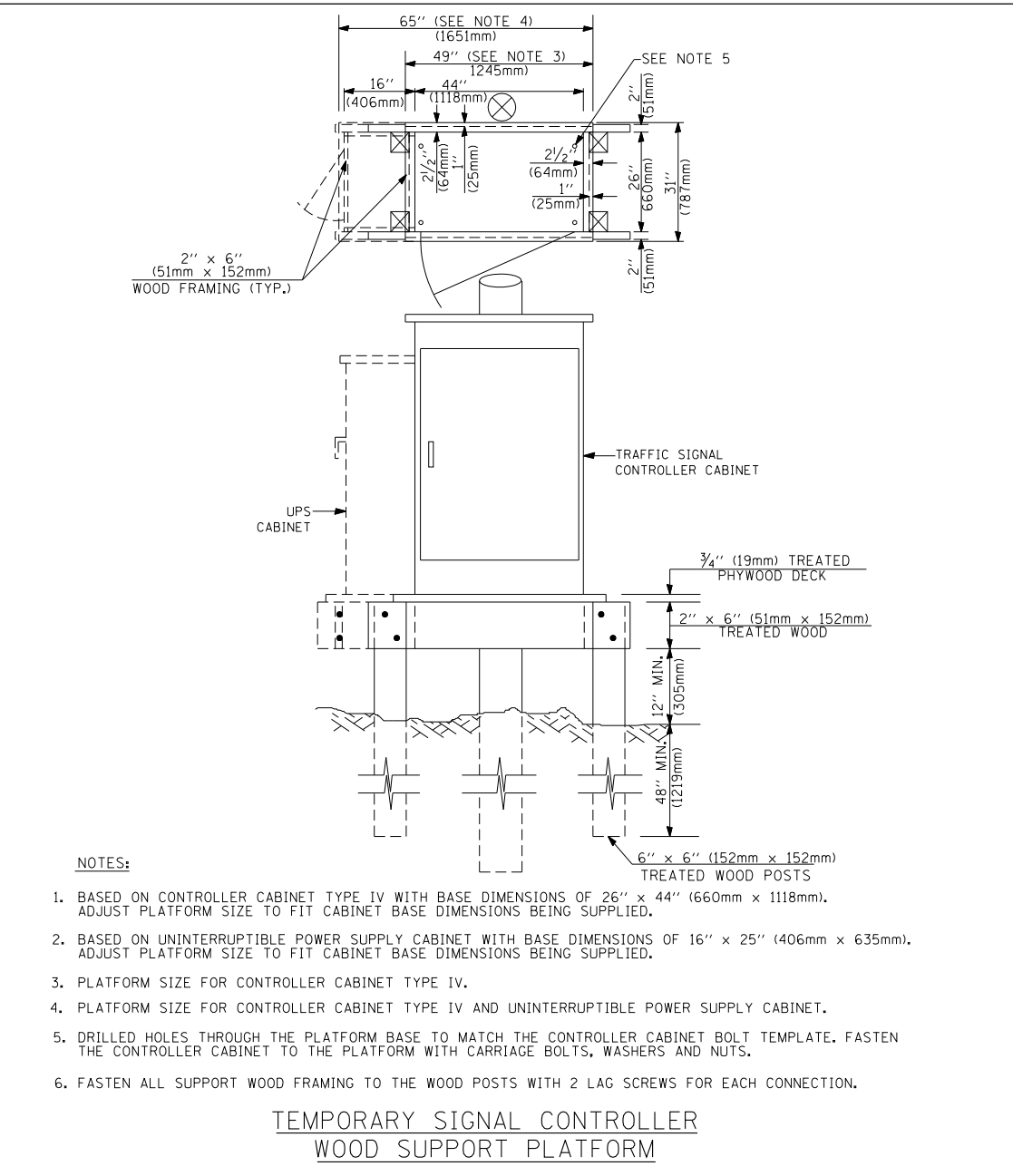




**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



**TYPE C  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



- NOTES:**
- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
  - BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
  - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
  - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
  - DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
  - FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

| CABLE SLACK LENGTH                                | FEET | METER |
|---|------|-------|
| HANDHOLE  | 6.5  | 2.0   |
| DOUBLE HANDHOLE                                   | 13.0 | 4.0   |
| SIGNAL POST                                       | 2.0  | 0.6   |
| MAST ARM  | 2.0  | 0.6   |
| CONTROLLER CABINET                                | 1.5  | 0.5   |
| FIBER OPTIC AT CABINET                            | 13.0 | 4.0   |
| ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION) | 1.5  | 0.5   |
| GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)     | 1.5  | 0.5   |
| GROUND CABLE (BETWEEN FRAME AND COVER)            | 5.0  | 1.6   |

**CABLE SLACK**

| VERTICAL CABLE LENGTH   | FEET   | METER |
|---|--------|-------|
| MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD)<br>(L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM) | 20.0+L | 6.0+L |
| BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)  | 13.0   | 4.0   |
| PEDESTRIAN PUSH BUTTON  | 6.0    | 2.0   |
| SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP   | 13.5   | 4.1   |
| SERVICE INSTALLATION POLE MOUNT TO GROUND   | 13.5   | 4.1   |
| SERVICE INSTALLATION GROUND MOUNT   | 6.0    | 2.0   |
| FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)                               | 3.0    | 1.0   |

**VERTICAL CABLE LENGTH**

| FOUNDATION  | DEPTH        |
|---|--------------|
| TYPE A - Signal Post                                | 4'-0" (1.2m) |
| TYPE C - CONTROLLER W/ UPS                          | 4'-0" (1.2m) |
| TYPE D - CONTROLLER                                 | 4'-0" (1.2m) |
| SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE | 4'-0" (1.2m) |

**DEPTH OF FOUNDATION**

| MAST ARM LENGTH  | FOUNDATION DEPTH | FOUNDATION DIAMETER | SPIRAL DIAMETER | QUANTITY OF REBARS | SIZE OF REBARS |
|--|------------------|---------------------|-----------------|--------------------|----------------|
| Less than 30' (9.1 m)  | 10'-0" (3.0 m)   | 30" (750mm)         | 24" (600mm)     | 8                  | 6(19)          |
| Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)  | 13'-6" (4.1 m)   | 30" (750mm)         | 24" (600mm)     | 8                  | 6(19)          |
|  | 11'-0" (3.4 m)   | 36" (900mm)         | 30" (750mm)     | 12                 | 7(22)          |
| Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m) | 13'-0" (4.0 m)   | 36" (900mm)         | 30" (750mm)     | 12                 | 7(22)          |
|  | 15'-0" (4.6 m)   | 36" (900mm)         | 30" (750mm)     | 12                 | 7(22)          |
| Greater than or equal to 50' (15.2 m) and less than 65' (19.8 m) | 21'-0" (6.4 m)   | 42" (1060mm)        | 36" (900mm)     | 16                 | 8(25)          |
|  | 25'-0" (7.6 m)   | 42" (1060mm)        | 36" (900mm)     | 16                 | 8(25)          |

- NOTES:**
- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength ( $Q_u$ ) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
  - Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
  - Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
  - For mast arm assemblies with dual arms refer to state standard 878001.

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

# TRAFFIC SIGNAL LEGEND

| ITEM  | REMOVAL | EXISTING | PROPOSED | ITEM  | REMOVAL | EXISTING | PROPOSED | ITEM  | REMOVAL | EXISTING | PROPOSED |
|---|---------|----------|----------|---|---------|----------|----------|---|---------|----------|----------|
| CONTROLLER CABINET  |         |          |          | EMERGENCY VEHICLE LIGHT DETECTOR  |         |          |          | ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE                                 |         |          |          |
| RAILROAD CONTROL CABINET  |         |          |          | CONFIRMATION BEACON   |         |          |          | COAXIAL CABLE   |         |          |          |
| COMMUNICATIONS CABINET  |         |          |          | HANDHOLE  |         |          |          | VENDOR CABLE FOR CAMERA   |         |          |          |
| MASTER CONTROLLER   |         |          |          | HEAVY DUTY HANDHOLE   |         |          |          | COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED  |         |          |          |
| MASTER MASTER CONTROLLER  |         |          |          | DOUBLE HANDHOLE   |         |          |          | FIBER OPTIC CABLE NO. 62.5/125, MM12F   |         |          |          |
| UNINTERRUPTIBLE POWER SUPPLY  |         |          |          | JUNCTION BOX  |         |          |          | FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F   |         |          |          |
| SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT                        |         |          |          | GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)  |         |          |          | FIBER OPTIC CABLE NO. 62.5/125, MM12F   |         |          |          |
| TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT                         |         |          |          | TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE   |         |          |          | FIBER OPTIC CABLE NO. 62.5/125, MM12F   |         |          |          |
| STEEL MAST ARM ASSEMBLY AND POLE  |         |          |          | COMMON TRENCH   |         |          |          | FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)                        |         |          |          |
| ALUMINUM MAST ARM ASSEMBLY AND POLE                                       |         |          |          | COILABLE NONMETALLIC CONDUIT (EMPTY)  |         |          |          | GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE                    |         |          |          |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE               |         |          |          | SYSTEM ITEM   |         |          |          | CONTROLLER CABINET AND FOUNDATION TO BE REMOVED   |         |          |          |
| STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA              |         |          |          | INTERSECTION ITEM   |         |          |          | STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED  |         |          |          |
| SIGNAL POST   |         |          |          | REMOVE ITEM   |         |          |          | ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED   |         |          |          |
| TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM           |         |          |          | RELOCATE ITEM   |         |          |          | STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED              |         |          |          |
| GUY WIRE  |         |          |          | ABANDON ITEM  |         |          |          | SIGNAL POST AND FOUNDATION TO BE REMOVED  |         |          |          |
| SIGNAL HEAD   |         |          |          | 12" (300mm) TRAFFIC SIGNAL SECTION  |         |          |          | INTERSECTION & SAMPLING (SYSTEM) DETECTOR   |         |          |          |
| SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE) |         |          |          | 12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE  |         |          |          | SAMPLING (SYSTEM) DETECTOR  |         |          |          |
| SIGNAL HEAD WITH BACKPLATE  |         |          |          | SIGNAL FACE   |         |          |          | EXISTING INTERSECTION LOOP DETECTOR<br>PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR           |         |          |          |
| SIGNAL HEAD OPTICALLY PROGRAMMED  |         |          |          | SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD   |         |          |          | EXISTING PREFORMED INTERSECTION LOOP DETECTOR<br>PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR |         |          |          |
| FLASHER INSTALLATION (S DENOTES SOLAR POWER)                              |         |          |          | 12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL   |         |          |          | PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR   |         |          |          |
| PEDESTRIAN SIGNAL HEAD  |         |          |          | 12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED   |         |          |          | PREFORMED SAMPLING (SYSTEM) DETECTOR  |         |          |          |
| PEDESTRIAN PUSHBUTTON DETECTOR  |         |          |          | 12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID  |         |          |          | <b>RAILROAD SYMBOLS</b>   |         |          |          |
| ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR                                 |         |          |          | PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER  |         |          |          | RAILROAD CONTROL CABINET  |         |          |          |
| ILLUMINATED SIGN "NO LEFT TURN"   |         |          |          | RADIO INTERCONNECT  |         |          |          | RAILROAD CANTILEVER MAST ARM  |         |          |          |
| ILLUMINATED SIGN "NO RIGHT TURN"  |         |          |          | RADIO REPEATER  |         |          |          | FLASHING SIGNAL   |         |          |          |
| DETECTOR LOOP, TYPE I   |         |          |          | DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED |         |          |          | CROSSING GATE   |         |          |          |
| PREFORMED DETECTOR LOOP   |         |          |          | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)  |         |          |          | CROSSBUCK   |         |          |          |
| MICROWAVE VEHICLE SENSOR  |         |          |          |   |         |          |          |   |         |          |          |
| VIDEO DETECTION CAMERA  |         |          |          |   |         |          |          |   |         |          |          |
| VIDEO DETECTION ZONE  |         |          |          |   |         |          |          |   |         |          |          |
| PAN, TILT, ZOOM CAMERA  |         |          |          |   |         |          |          |   |         |          |          |
| WIRELESS DETECTOR SENSOR  |         |          |          |   |         |          |          |   |         |          |          |
| WIRELESS ACCESS POINT   |         |          |          |   |         |          |          |   |         |          |          |

|   |                     |                    |           |
|---|---------------------|--------------------|-----------|
| FILE NAME =                                 | USER NAME = bauerdl | DESIGNED - DAG/BCK | REVISED - |
| ce:\pwwork\pwwork\BAUERDL\d0108315\ts05.dgn |                     | DRAWN - BCK        | REVISED - |
| PLOT SCALE = 50.0000' / IN.                 |                     | CHECKED - DAD      | REVISED - |
| PLOT DATE = 11/4/2009                       |                     | DATE - 10-28-09    | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE    SHEET NO. 6 OF 6 SHEETS    STA.    TO STA.

|   |              |        |              |           |
|---|--------------|--------|--------------|-----------|
| F.A. RTE.                                       | SECTION      | COUNTY | TOTAL SHEETS | SHEET NO. |
|   | <b>TS-05</b> | COOK   | 70           | 70        |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |              |        |              |           |