03-09-12 LETTING ITEM 121

**INDEX OF SHEETS**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN VILLAGE OF ALGONQUIN.

**DESIGN DESIGNATION**

NOT APPLICABLE

**TRAFFIC DATA**

| | ADT (2030) | DESIGN SPEED | POSTED SPEED |
|---|---|---|---|
| IL ROUTE 31 (HUNTINGTON DRIVE TO IL ROUTE 62) | 16,000 | 40 MPH | 40 MPH |
| IL ROUTE 31 (IL ROUTE 62 TO CARY–ALGONQUIN ROAD) | 34,000 | 50 MPH | 45 MPH |
| IL ROUTE 31 (CARY–ALGONQUIN ROAD TO KLASEN ROAD) | 43,000 | 50 MPH | 45 MPH |
| IL ROUTE 62 (EAST OF PROPOSED IL ROUTE 31) | 48,000 | 35 MPH | 30 MPH |
| IL ROUTE 62 (WEST OF PROPOSED IL ROUTE 31) | 32,000 | 35 MPH | 30 MPH |

**DESCRIPTION OF PROJECT**

THIS IMPROVEMENT CONSISTS OF EARTH EXCAVATION, BUILDING REMOVAL, AND CONSTRUCTION OF STORM SEWERS AND DRAINAGE STRUCTURES.

100′ 200′ 300′ — 1″ = 100′
0 10′ 20′ 30′ — 1″ = 10′
0 50′ 100′ — 1″ = 50′
0 50′ 100′ — 1″ = 40′
0 50′ 100′ — 1″ = 30′
0 50′ 100′ — 1″ = 20′

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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1–800–892–0123
OR 811

DISTRICT ONE – DESIGN
PROJECT MANAGER: ISAAC KWARTENG (847) 705–4230
PROJECT ENGINEER: ALIX BRICE (847 705–4552

**CONTRACT NO. 60F78**

# STATE OF ILLINOIS
# DEPARTMENT OF TRANSPORTATION
# DIVISION OF HIGHWAYS

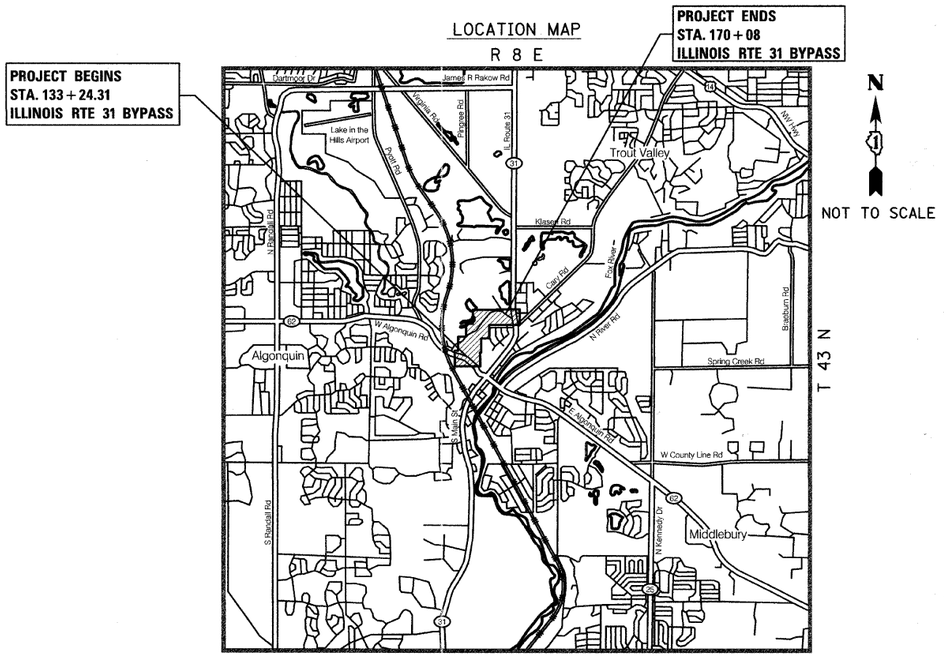
# PROPOSED HIGHWAY PLANS

## ALGONQUIN ROAD (ALGONQUIN BYPASS)
## SECTION: 18A–1
## ILLINOIS ROUTE 31 (N. JCT.) TO ILLINOIS ROUTE 31 (S. JCT.)
## MASS GRADING

## McHENRY COUNTY

## C–91–233–09

LOCATION MAP
R 8 E




ALGONQUIN TOWNSHIP

PROJECT LENGTH:
ILLINOIS RTE 31 BYPASS – 3,683.69 FT. (0.70 MILES) (NET & GROSS)

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 ✱ | 1 |
| FED. ROAD DIST. NO. 1 | ILLINOIS | CONTRACT NO. 60F78 | | |

✱ 115 + 6 = 121

D–91–233–09




LOCATION OF SECTION INDICATED THUS: –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED JANUARY 19, 20 12

Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

February 3 20 12

John D. Baranzelli, P.E. by acting
ENGINEER OF DESIGN AND ENVIRONMENT

February 3 20 12

William R. Frey by acting
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

GARY A. BLAZEK
062-046580
LICENSED PROFESSIONAL ENGINEER
OF
ILLINOIS

Gary A. Blazek 11/30/2013
REGISTERED P.E., STATE OF ILLINOIS EXPIRES

PLANS PREPARED BY:

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

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

## GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2010; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD; "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2009 SIXTH EDITION, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS AND IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS.

2. HORIZONTAL CONTROL IS HARN (HPGN) ILLINOIS STATE PLANES EAST ZONE, US FOOT. VERTICAL CONTROL IS NAVD 88.

3. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, MCHENRY COUNTY, AND THE VILLAGE OF ALGONQUIN, FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).

4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND GOVERNMENT AGENCIES.

5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN CONSENT FROM THE DEPARTMENT.

6. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

7. FULL-DEPTH SAW CUTS SHALL BE USED TO REMOVE EXISTING PAVEMENT AND APPERTUNANCES FROM MATERIAL TO REMAIN IN ACCORDANCE WITH SECTION 440. THE COST OF THE FULL-DEPTH SAWING SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

8. THE CONTRACTOR SHALL PROTECT AND RELOCATE EXISTING MAILBOXES WHICH INTERFERE WITH THE WORK IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT THE POST OFFICE TO COORDINATE MAILBOX RELOCATION.

9. NO ADDITIONAL COMPENSATION WILL BE MADE FOR REMOVAL OF STUMPS OR TREE ROOTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.

10. ALL DIMENSIONS, INCLUDING RADII, ARE GIVEN TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

12. HOT-MIX ASPHALT BASE COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY BACKFILLED TO THE SATISFACTION OF THE ENGINEER.

13. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.

14. PRIOR TO PLACING HOT-MIX ASPHALT ADJACENT TO EXISTING PAVEMENT TO REMAIN, THE EXPOSED EDGE SHALL BE CLEANED OF LOOSE MATERIAL TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE HMA BEING PLACED.

15. THE THICKNESS OF HOT-MIX ASPHALT SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT IS PLACED.

16. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE PROJECT LIMITS. ALL EXCESS OR WASTE MATERIAL SHALL BE HAULED AWAY FROM THE PROJECT SITE BY THE CONTRACTORR AND DEPOSITED AT LOCATIONS PROVIDED BY HIM, OR DISPOSED OF WITHIN THE RIGHT-OF-WAY IN A MANNER OTHER THAN BURNING, SUBJECT TO THE APPROVAL OF THE ENGINEER. NO EXTRA COMPENSATION WILL BE ALLOWED THE CONTRACTOR FOR ANY EXPENSE INCURRED BY COMPLYING WITH THE REQUIREMENTS OF THIS NOTE.

## GENERAL NOTES

17. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED EACH LOCATION. THE CONTRACTOR SHALL RESET ALL SURVEY MARKERS, CONTROL POINTS AND TIES DISTURBED DURING CONSTRUCTION. THIS WORK SHALL BE PAID FOR AS "PERMANENT SURVEY MARKERS, TYPE II".

18. PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, THE WORK IS NOT REQUIRED, THE ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

19. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.

20. SETTLEMENT PLATFORMS SHALL BE PLACED WHERE SHOWN ON THE PLANS AND CONSTRUCTED IN ACCORDANCE WITH SECTION 204.06 OF THE STANDARD SPECIFICATIONS. THE ENGINEER SHALL SURVEY AND RECORD THE ELEVATIONS FOR THE STEEL PLATE BASE, THE TOP OF EACH GRADE PIPE IMMEDIATELY PRIOR TO THE CONTRACTOR ADDING THE NEXT GRADE PIPE, AND THE TOP OF EACH GRADE PIPE AFTER IT HAS BEEN ADDED. THE ENGINEER SHALL ALSO SURVEY THE TOP GRADE PIPE EVERY 4 WEEKS THROUGHOUT THE DURATION OF THE PROJECT. THE COST OF FURNISHING, INSTALLING AND MAINTAINING SETTLEMENT PLATFORMS SHALL BE INCLUDED IN "EARTH EXCAVATION".

THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION AROUND THE SETTLEMENT PLATFORMS. A FINE OF $10,000 OR 0.10% OF THE CONTRACT VALUE, WHICHEVER IS GREATER, SHALL BE INCURRED FOR EACH INSTANCE OF DAMAGE TO A SETTLEMENT PLATFORM. THE ENGINEER SHALL BE THE SOLE JUDGE AS TO WHETHER A SETTLEMENT PLATFORM HAS BEEN DAMAGED BY THE CONTRACTOR.

21. QUANTITIES HAVE BEEN INCLUDED FOR "CONCRETE HEADWALL FOR PIPE DRAINS" AND "BACKSLOPE DRAINS, TYPE 1 4"" IN THE EVENT THEY ARE NEEDED DURING CONSTRUCTION. IF THIS WORK IS NOT REQUIRED, THESE ITEMS WILL BE DEDUCTED FROM THE CONTRACT.

22. HAULING MATERIAL FROM SITE IS PROHIBITED FROM ALGONQUIN ROAD ACCESS AND MEYER DRIVE.

23. CONTRACTOR SHALL INSTALL "TRUCKS ENTERING AND LEAVING HIGHWAY" SIGNS, W21-1105 (MODIFIED) IN EACH DIRECTION ON ILLINOIS ROUTE 31 AND ON ALGONQUIN ROAD IN ADVANCE OF SITE ACCESS DRIVEWAYS PRIOR TO STARTING WORK.

## COMMITMENTS

MEYER MATERIALS SHALL MAINTAIN ACCESS ACROSS THE SITE ON THE EXISTING INTERNAL ROADWAY CONNECTING TO MEYER DRIVE UNTIL THE RELOCATED MEYER DRIVE HAS BEEN COMPLETED AND IS OPENED FOR THEIR USE.

## MIXTURE REQUIREMENT

| PAY ITEM | AIR VOIDS @ Ndes |
|---|---|
| DRIVEWAYS | |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm) (2") | 4% @ 50 GYR. |
| HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm) (12") | 4% @ 50 GYR. |
| HOT-MIX ASPHALT SHOULDERS, 6" | |
| HOT-MIX ASPHALT SHOULDER (6") | 2% @ 30 GYR. |
| PATCHING | |
| CLASS D PATCH (HMA BINDER IL-19 MM), 12" | 4% @ 70 GYR. |

NOTES:

1. THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LB/SY-IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

## INDEX OF SHEETS


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| 2 | GENERAL NOTES AND STATE STANDARDS |
| 3-4 | SUMMARY OF QUANTITIES |
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| 22-24 | PROFILES |
| 25 | EROSION AND SEDIMENT CONTROL GENERAL NOTES |
| 26-35 | EROSION AND SEDIMENT CONTROL PLAN |
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| 72-115 | CROSS SECTIONS |


## LIST OF ILLINOIS DOT HIGHWAY STANDARDS

| | |
|---|---|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS |
| 280001-06 | TEMPORARY EROSION CONTROL SYSTEMS |
| 442201-03 | CLASS C AND D PATCHES |
| 542301-03 | PRECAST REINFORCED CONCRETE FLARED END SECTION |
| 542311-03 | GRATING FOR CONCRETE FLARED END SECTION (FOR 24" THRU 54") |
| 542601-03 | REINFORCED CONCRETE PIPE ELBOW |
| 601101-01 | CONCRETE HEADWALL FOR PIPE DRAIN |
| 602001-02 | CATCH BASIN TYPE A |
| 602401-03 | MANHOLE TYPE A |
| 602701-02 | MANHOLE STEPS |
| 604001-03 | FRAMES AND LIDS TYPE 1 |
| 604036-02 | GRATE TYPE 8 |
| 664001-02 | CHAIN LINK FENCE |
| 667101-02 | PERMANENT SURVEY MARKERS |
| 701101-02 | OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE |
| 701106-02 | OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701606-08 | URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN |
| 701901-02 | TRAFFIC CONTROL DEVICES |
| 720001-01 | SIGN PANEL MOUNTING DETAILS |
| 720011-01 | METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| FILE NAME = ...\D162F78-sht-gennote-01.dgn | USER NAME = ctb | DESIGNED - KRK | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | GENERAL NOTES STATE STANDARDS | | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - CTB | REVISED - | | | | | | 18A-1 | McHENRY | 115 | 2 |
| | PLOT SCALE = 1.0000 ' / in. | CHECKED - GAB | REVISED - | | | | | | | | CONTRACT NO. 60F78 | |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | |

| CODED PAY ITEM NO. | ITEM | UNIT | 100% STATE TOTAL QUANTITY | 0004 ROADWAY | 0044 BUILDING REMOVAL |
|---|---|---|---|---|---|
| 20100500 | TREE REMOVAL, ACRES | ACRE | 47.2 | 47.2 | |
| 20200100 | EARTH EXCAVATION | CU YD | 1,234,969 | 1,234,969 | |
| 20800150 | TRENCH BACKFILL | CU YD | 798 | 798 | |
| 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 142,616 | 142,616 | |
| 25000200 | SEEDING, CLASS 2 | ACRE | 21.8 | 21.8 | |
| 25000300 | SEEDING, CLASS 3 | ACRE | 27.4 | 27.4 | |
| 25000310 | SEEDING, CLASS 4 | ACRE | 21.4 | 21.4 | |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 6,642 | 6,642 | |
| 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 6,642 | 6,642 | |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 6,642 | 6,642 | |
| 25100900 | TURF REINFORCEMENT MAT | SQ YD | 29,686 | 29,686 | |
| 28000200 | EARTH EXCAVATION FOR EROSION CONTROL | CU YD | 2,392 | 2,392 | |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 15,680 | 15,680 | |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 4,611 | 4,611 | |
| 28000510 | INLET FILTERS | EACH | 22 | 22 | |
| 28001000 | AGGREGATE (EROSION CONTROL) | TON | 1,711 | 1,711 | |
| 28100101 | STONE RIPRAP, CLASS A1 | SQ YD | 352 | 352 | |
| 28100107 | STONE RIPRAP, CLASS A4 | SQ YD | 352 | 352 | |
| 28200200 | FILTER FABRIC | SQ YD | 5321 | 5,321 | |
| 28500400 | ARTICULATED BLOCK REVETMENT MAT | SQ YD | 161 | 161 | |
| 31101860 | SUBBASE GRANULAR MATERIAL, TYPE B 24" | SQ YD | 5,796 | 5,796 | |
| 35501332 | HOT-MIX ASPHALT BASE COURSE, 12" | SQ YD | 62 | 62 | |
| 40600100 | BITUMINOUS MATERIALS (PRIME COAT) | GALLON | 3 | 3 | |
| 40603335 | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 | TON | 7 | 7 | |
| 44000100 | PAVEMENT REMOVAL | SQ YD | 7,306 | 7,306 | |
| 44004250 | PAVED SHOULDER REMOVAL | SQ YD | 5 | 5 | |
| 44201796 | CLASS D PATCHES, TYPE IV, 12 INCH | SQ YD | 320 | 320 | |
| 48203021 | HOT-MIX ASPHALT SHOULDERS, 6" | SQ YD | 5 | 5 | |
| 542A0253 | PIPE CULVERTS, CLASS A, TYPE 1 48" | FOOT | 110 | 110 | |
| 542A1093 | PIPE CULVERTS, CLASS A, TYPE 2 48" | FOOT | 188 | 188 | |
| 54213657 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | EACH | 1 | 1 | |
| 54213663 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18" | EACH | 1 | 1 | |
| 54213669 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" | EACH | 3 | 3 | |
| 54213675 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30" | EACH | 1 | 1 | |
| 54215979 | REINFORCED CONCRETE PIPE ELBOW 24" | EACH | 4 | 4 | |
| 54247130 | GRATING FOR CONCRETE FLARED END SECTION 24" | EACH | 3 | 3 | |
| 54247150 | GRATING FOR CONCRETE FLARED END SECTION 30" | EACH | 1 | 1 | |

| CODED PAY ITEM NO. | ITEM | UNIT | 100% STATE TOTAL QUANTITY | 0004 ROADWAY | 0044 BUILDING REMOVAL |
|---|---|---|---|---|---|
| 550A0050 | STORM SEWERS, CLASS A, TYPE 1 12" | FOOT | 103 | 103 | |
| 550A0090 | STORM SEWERS, CLASS A, TYPE 1 18" | FOOT | 94 | 94 | |
| 550A0120 | STORM SEWERS, CLASS A, TYPE 1 24" | FOOT | 197 | 197 | |
| 550A0710 | STORM SEWERS, CLASS A, TYPE 3 24" | FOOT | 213 | 213 | |
| 550A1300 | STORM SEWERS, CLASS A, TYPE 5 30" | FOOT | 356 | 356 | |
| 55100200 | STORM SEWER REMOVAL 6" | FOOT | 24 | 24 | |
| 55100300 | STORM SEWER REMOVAL 8" | FOOT | 41 | 41 | |
| 55100500 | STORM SEWER REMOVAL 12" | FOOT | 54 | 54 | |
| 55100600 | STORM SEWER REMOVAL 14" | FOOT | 43 | 43 | |
| 55100700 | STORM SEWER REMOVAL 15" | FOOT | 29 | 29 | |
| 55100900 | STORM SEWER REMOVAL 18" | FOOT | 6 | 6 | |
| 55101000 | STORM SEWER REMOVAL 20" | FOOT | 41 | 41 | |
| 55101200 | STORM SEWER REMOVAL 24" | FOOT | 29 | 29 | |
| 55101800 | STORM SEWER REMOVAL 42" | FOOT | 36 | 36 | |
| 60100060 | CONCRETE HEADWALL FOR PIPE DRAINS | EACH | 3 | 3 | |
| 60109600 | BACKSLOPE DRAINS, TYPE 1 4" | FOOT | 300 | 300 | |
| 60200805 | CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE | EACH | 1 | 1 | |
| 60204505 | CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE | EACH | 1 | 1 | |
| 60218400 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 1 | 1 | |
| 60500040 | REMOVING MANHOLES | EACH | 2 | 2 | |
| 60500060 | REMOVING INLETS | EACH | 1 | 1 | |
| 60900515 | CONCRETE THRUST BLOCKS | EACH | 2 | 2 | |
| 66400305 | CHAIN LINK FENCE, 6' | FOOT | 3,954 | 3,954 | |
| 66408200 | CHAIN LINK GATES, 6' X 24' DOUBLE | EACH | 1 | 1 | |
| 66700305 | PERMANENT SURVEY MARKERS, TYPE II | EACH | 32 | 32 | |
| 67000400 | ENGINEER'S FIELD OFFICE, TYPE A | CAL MO | 24 | 24 | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | |
| 67201100 | SEALING ABANDONED MONITORING WELLS | EACH | 6 | 6 | |
| 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | L SUM | 1 | 1 | |
| 70102625 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701606 | L SUM | 1 | 1 | |
| • 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 36 | 36 | |
| • 72400200 | REMOVE SIGN PANEL ASSEMBLY - TYPE B | EACH | 4 | 4 | |
| • 72900100 | METAL POST - TYPE A | FOOT | 84 | 84 | |
| Z0007601 | BUILDING REMOVAL NO. 1 | L SUM | 1 | | 1 |
| Z0007602 | BUILDING REMOVAL NO. 2 | L SUM | 1 | | 1 |
| Z0007603 | BUILDING REMOVAL NO. 3 | L SUM | 1 | | 1 |
| Z0007604 | BUILDING REMOVAL NO. 4 | L SUM | 1 | | 1 |

• SPECIALTY ITEM

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-summary-01.dgn | USER NAME = gtb | DESIGNED - DTE | REVISED - |
| | | DRAWN - DTE | REVISED - |
| | PLOT SCALE = 12.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**SUMMARY OF QUANTITIES**

SCALE: N.T.S. | SHEET NO. 1 OF 2 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 3 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

| CODED PAY ITEM NO. | ITEM | UNIT | 100% STATE TOTAL QUANTITY | 0004 ROADWAY | 0044 BUILDING REMOVAL |
|---|---|---|---|---|---|
| Z0013797 | STABILIZED CONSTRUCTION ENTRANCE | SQ YD | 1,516 | 1,516 | |
| Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 | 1 | |
| Z0019598 | DUST CONTROL, SPECIAL | GALLON | 414,525 | 414,525 | |
| Z0042002 | POROUS GRANULAR EMBANKMENT, SUBGRADE | CU YD | 3,260 | 3,260 | |
| ~~Z0076600~~ | ~~TRAINEES~~ | ~~HOUR~~ | | | |
| X0301852 | DEWATERING STRUCTURE NO. 1 | EACH | 1 | 1 | |
| X0327218 | DETENTION BASIN OUTLET STRUCTURE | EACH | 1 | 1 | |
| X0327219 | POLYMER TABLETS | UNIT | 42 | 42 | |
| X0327220 | TRIPAM POLYMER | POUND | 6,500 | 6,500 | |
| X0426200 | DEWATERING | L SUM | 1 | 1 | |
| X2130010 | EXPLORATION TRENCH, SPECIAL | FOOT | 368 | 368 | |
| X2502024 | SEEDING, CLASS 4B (MODIFIED) | ACRE | 3.2 | 3.2 | |
| X2511630 | EROSION CONTROL BLANKET (SPECIAL) | SQ YD | 363,000 | 363,000 | |
| X2800300 | TEMPORARY DITCH CHECKS (SPECIAL) | EACH | 750 | 750 | |
| X5041800 | CONCRETE ANCHORS | EACH | 2 | 2 | |
| X5537800 | STORM SEWERS TO BE CLEANED 12" | FOOT | 416 | 416 | |
| X5537900 | STORM SEWERS TO BE CLEANED 15" | FOOT | 98 | 98 | |
| X5538000 | STORM SEWERS TO BE CLEANED 18" | FOOT | 198 | 198 | |
| X5538200 | STORM SEWERS TO BE CLEANED 24" | FOOT | 197 | 197 | |
| X5538400 | STORM SEWERS TO BE CLEANED 30" | FOOT | 27 | 27 | |
| X6025620 | CATCH BASINS, TYPE A, 5'-DIAMETER, WITH SPECIAL FRAME AND GRATE | EACH | 2 | 2 | |
| X7330088 | METAL TRUSS REMOVAL | L SUM | 1 | 1 | |
| Z0001202 | CONCRETE BLOCK REMOVAL | CU YD | 194 | 194 | |
| X5539536 | STORM SEWER TO BE CLEANED *EQUIVALENT ROUND-SIZE 36"* | FOOT | 190 | 190 | |
| X5539542 | STORM SEWER TO BE CLEANED *EQUIVALENT ROUND-SIZE 42"* | FOOT | 88 | 88 | |

• SPECIALTY ITEM

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| FILE NAME = ...\D162F78-sht-summary 02.dgn | USER NAME = otb | DESIGNED - DTE | REVISED - | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** | **SUMMARY OF QUANTITIES** | | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - DTE | REVISED - | | | | | | 18A-1 | McHENRY | 115 | 4 |
| | PLOT SCALE = 12.0000 ' / ft. | CHECKED - GAB | REVISED - | | | | | | | CONTRACT NO. 60F78 | | |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | SCALE: N.T.S. | SHEET NO. 2 OF 2 SHEETS | STA. TO STA. | FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

| SCHEDULE OF SIGNS | | | | |
|---|---|---|---|---|
| NORTHING | EASTING | SIGN PANEL-TYPE 2 (SF) | METAL POST-TYPE A (FT) | REMOVE SIGN PANEL ASSEMBLY-TYPE B (EACH) |
| | | 72000200 | 72900100 | 72400200 |
| 2004675.38 | 993727.70 | 16 | 21 | 1 |
| 2004219.83 | 994661.82 | 16 | 21 | 1 |
| 2006453.98 | 997086.01 | 16 | 21 | 1 |
| 2007443.20 | 996922.40 | 16 | 21 | 1 |

| SCHEDULE OF ROCK BARRIER | | |
|---|---|---|
| NORTHING | EASTING | AGGREGATE (EROSION CONTROL) (TON) |
| | | 28001000 |
| 2004672.52 | 994123.84 | 200.6 |
| 2004902.16 | 994097.74 | 172.8 |
| 2007149.77 | 996320.22 | 200.6 |

| SCHEDULE OF DEWATERING STRUCTURE NO. 1 | | |
|---|---|---|
| NORTHING | EASTING | DEWATERING STRUCTURE NO. 1 (EACH) |
| | | X0301852 |
| 2006836.56 | 995216.76 | 1 |

| SCHEDULE OF CHAIN LINK FENCE, 6' | | | | |
|---|---|---|---|---|
| NORTHING | EASTING | NORTHING | EASTING | CHAIN LINK FENCE, 6' (FT) |
| FROM | | TO | | 66400305 |
| 2004664.26 | 994014.63 | 2004581.83 | 994252.24 | 251 |
| 2004573.92 | 994274.90 | 2004296.83 | 994656.92 | 496 |
| 2005437.69 | 994028.42 | 2007161.74 | 996275.44 | 3207 |

| SCHEDULE OF PERIMETER EROSION BARRIER & INLET FILTERS | | | |
|---|---|---|---|
| NORTHING | EASTING | PERIMETER EROSION BARRIER (FT) | INLET FILTERS (EACH) |
| FROM | | 28000400 | 28000510 |
| 2004520.06 | 994429.86 | 20 | - |
| 2004582.67 | 994020.75 | - | 1 |
| 2004547.68 | 994120.91 | - | 1 |
| 2004539.96 | 994142.97 | - | 1 |
| 2004522.19 | 994431.64 | 25 | - |
| 2004515.70 | 994212.52 | - | 1 |
| 2004483.27 | 994305.10 | - | 1 |
| 2004452.69 | 994379.62 | - | 1 |
| 2004407.38 | 994446.50 | - | 1 |
| 2004638.28 | 994038.06 | - | 1 |
| 2004609.06 | 994121.89 | - | 1 |
| 2004616.49 | 994131.18 | 20 | 1 |
| 2004602.65 | 994140.44 | - | 1 |
| 2004585.17 | 994236.81 | 20 | 1 |
| 2004570.88 | 994231.52 | - | 1 |
| 2004569.89 | 994280.19 | 20 | 1 |
| 2004540.57 | 994352.65 | 20 | 1 |
| 2004507.24 | 994422.21 | 20 | 1 |
| 2004672.52 | 994123.84 | 30 | 1 |
| 2004463.92 | 994487.47 | 20 | 1 |
| 2004959.05 | 994621.49 | 20 | 1 |
| 2004955.99 | 994723.38 | 20 | 1 |
| 2005433.40 | 994363.69 | 20 | 1 |
| 2006217.19 | 994745.26 | 20 | 1 |
| 2006707.94 | 995489.86 | 20 | - |
| 2007149.77 | 996320.22 | 38 | - |

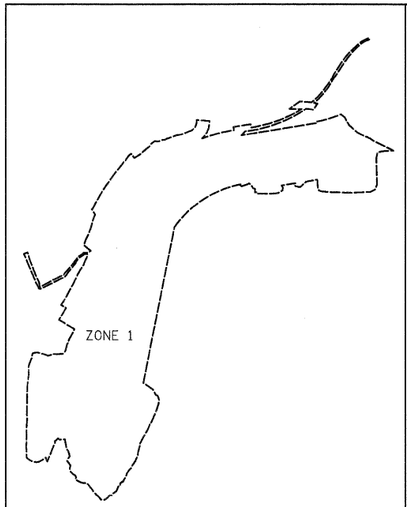
| SCHEDULE OF PERIMETER EROSION BARRIER | | | | | |
|---|---|---|---|---|---|
| NORTHING | EASTING | NORTHING | EASTING | PERIMETER EROSION BARRIER (FT) | LOCATION NUMBER |
| FROM | | TO | | 28000400 | |
| 2004826.26 | 994021.27 | 2004663.15 | 994018.62 | 163 | 1 |
| 2004663.15 | 994018.62 | 2004582.78 | 994252.56 | 247 | 1 |
| 2004574.86 | 994275.23 | 2004531.96 | 994396.50 | 129 | 2 |
| 2004531.96 | 994396.50 | 2004541.89 | 994402.53 | 12 | 2 |
| 2004541.89 | 994402.53 | 2004373.75 | 994587.99 | 254 | 2 |
| 2004373.75 | 994587.99 | 2004299.90 | 994654.36 | 99 | 2 |
| 2004299.90 | 994654.36 | 2004341.16 | 994702.81 | 64 | 2 |
| 2004341.16 | 994702.81 | 2004436.00 | 994764.65 | 113 | 2 |
| 2004436.00 | 994764.65 | 2004780.93 | 994884.89 | 365 | 2 |
| 2004692.25 | 994853.98 | 2004620.17 | 994947.94 | 118 | 3 |
| 2004620.17 | 994947.94 | 2004419.16 | 994996.72 | 207 | 3 |
| 2004419.16 | 994996.72 | 2004365.54 | 995067.72 | 89 | 3 |
| 2004365.54 | 995067.72 | 2004310.37 | 995086.60 | 58 | 3 |
| 2004310.37 | 995086.60 | 2004273.52 | 995149.59 | 73 | 3 |
| 2004273.52 | 995149.59 | 2004290.78 | 995242.56 | 95 | 3 |
| 2004290.78 | 995242.56 | 2004446.82 | 995351.07 | 190 | 3 |
| 2006498.80 | 995179.37 | 2006666.62 | 995446.99 | 316 | 3 |
| 2006666.62 | 995446.99 | 2006643.15 | 995484.68 | 45 | 3 |
| 2006865.11 | 995148.61 | 2007014.98 | 995549.39 | 431 | 6 |
| 2007014.98 | 995549.39 | 2007115.34 | 996152.33 | 611 | 6 |
| 2007115.34 | 996152.33 | 2007125.22 | 996150.69 | 10 | 6 |
| 2007125.22 | 996150.69 | 2007172.96 | 996311.63 | 168 | 6 |
| 2007172.96 | 996311.63 | 2007158.46 | 996347.89 | 39 | 6 |
| 2007158.46 | 996347.89 | 2007136.92 | 996360.41 | 25 | 6 |
| 2007136.92 | 996360.41 | 2007084.89 | 996399.61 | 65 | 6 |
| 2007084.89 | 996399.61 | 2007034.06 | 996464.47 | 82 | 6 |
| 2007034.06 | 996464.47 | 2007006.01 | 996533.70 | 75 | 6 |
| 2006990.37 | 996581.20 | 2006955.99 | 996709.54 | 133 | 5 |

| SCHEDULE OF ARTICULATED BLOCK REVETMENT MAT & FILTER FABRIC | | | |
|---|---|---|---|
| NORTHING | EASTING | ARTICULATED BLOCK REVETMENT MAT (SQ YD) | FILTER FABRIC (SQ YD) |
| | | 28500400 | 28200200 |
| 2004980.35 | 994257.86 | 22 | 22 |
| 2005391.79 | 994454.27 | 23 | 23 |
| 2006203.94 | 994786.35 | 23 | 23 |
| 2006711.23 | 995528.82 | 63 | 63 |
| 2006921.25 | 995427.09 | 31 | 31 |

| SCHEDULE OF SEALING ABANDONED MONITORING WELLS | | |
|---|---|---|
| NORTHING | EASTING | SEALING ABANDONED MONITORING WELLS (EACH) |
| | | 67201100 |
| 2004703.85 | 994193.53 | 1 |
| 2004703.75 | 994232.58 | 1 |
| 2004808.01 | 994235.86 | 1 |
| 2004820.28 | 994231.27 | 1 |

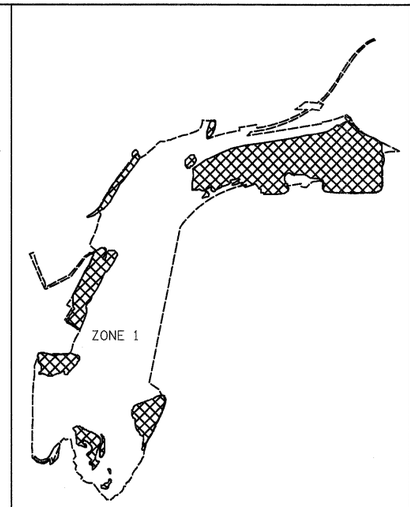
| SCHEDULE OF SEDIMENTATION BASINS | | | |
|---|---|---|---|
| NORTHING | EASTING | AGGREGATE (EROSION CONTROL) (TON) | FILTER FABRIC (SQ YD) |
| | | 28001000 | 28200200 |
| 2004992.67 | 994624.65 | 87.2 | 67 |
| 2004989.17 | 994727.34 | 87.2 | 67 |
| 2005462.74 | 994379.87 | 87.2 | 67 |
| 2005424.99 | 994470.69 | 87.2 | 67 |
| 2005459.43 | 994739.40 | 87.2 | 67 |
| 2005435.31 | 994838.49 | 87.2 | 67 |
| 2005901.82 | 994665.94 | 87.2 | 67 |
| 2005942.48 | 994896.47 | 87.2 | 67 |
| 2006246.76 | 994760.35 | 87.2 | 67 |
| 2006219.90 | 994793.61 | 87.2 | 67 |
| 2006385.60 | 995062.37 | 87.2 | 67 |
| 2006704.27 | 995528.65 | 87.2 | 67 |
| 2007090.57 | 996188.26 | 87.2 | 67 |

| SCHEDULE OF STONE RIPRAP, CLASS A4 | | | | |
|---|---|---|---|---|
| NORTHING | EASTING | STONE RIPRAP, CLASS A1 (SQ YD) | STONE RIPRAP, CLASS A4 (SQ YD) | FILTER FABRIC (SQ YD) |
| | | 28100101 | 28100107 | 28200200 |
| 2005097.37 | 994283.83 | 145 | 145 | 145 |
| 2006659.45 | 995572.52 | 37 | 37 | 37 |
| 2006170.68 | 994012.62 | 170 | 170 | 170 |




EARTH EXCAVATION ZONE 1 = 1234969 CY
(Total Cut) + ((topsoil area in Cut area) * 4")

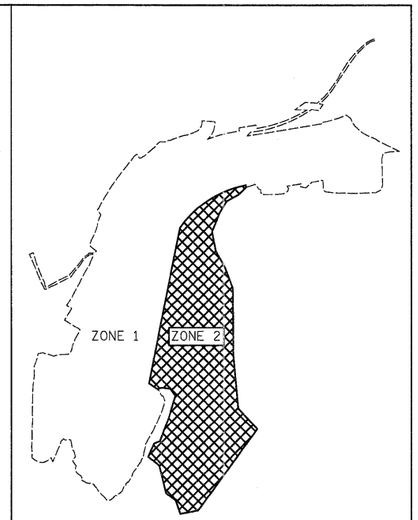
1224414 CY + 10555 CY = 1234969 CY




EMBANKMENT REQUIRED ZONE 1 = 383491 CY
(Total Fill) - ((topsoil area in Fill area) * 4")

335641 CY - 2171 CY = 333470 CY

15% Shrinkage adjustments
Topsoil-Adjusted Fill Volume * 1.15 =
333470 CY * 1.15 = 383491 CY




EMBANKMENT REQUIRED ZONE 2 = 796301 CY

TOTAL FILL REQUIRED = 692436 CY

15% Shrinkage adjustments
Fill Volume * 1.15 =
692436 CY * 1.15 = 796301 CY

EARTH EXCAVATION ZONE 1 - EMBANKMENT REQUIRED ( ZONE 1 + ZONE 2 )
= MATERIAL TO BE STOCKPILED FOR USE ON CONTRACT 60F72 = 55177 CY

1234969 CY - ( 383491 CY + 796301 CY) = 55177 CY

REMAINING MATERIAL TO BE STOCKPILED IN LOCATIONS SPECIFIED
IN THE GRADING PLAN FOR USE ON CONTRACT 60F72.

| SCHEDULE OF STORM SEWER REMOVAL, 6" | | |
|---|---|---|
| NORTHING | EASTING | STORM SEWER REMOVAL, 6" (FT) |
| | | 55100200 |
| 2005969.18 | 994675.14 | 24 |

| SCHEDULE OF STORM SEWER REMOVAL, 8" | | |
|---|---|---|
| NORTHING | EASTING | STORM SEWER REMOVAL, 8" (FT) |
| | | 55100300 |
| 2006895.16 | 995437.64 | 41 |

| SCHEDULE OF STORM SEWER REMOVAL, 12" | | |
|---|---|---|
| NORTHING | EASTING | STORM SEWER REMOVAL, 12" (FT) |
| | | 55100500 |
| 2004610.80 | 994135.01 | 13 |
| 2006575.03 | 995199.59 | 41 |

| SCHEDULE OF STORM SEWER REMOVAL, 14" | | |
|---|---|---|
| NORTHING | EASTING | STORM SEWER REMOVAL, 14" (FT) |
| | | 55100600 |
| 2005089.59 | 994356.52 | 20 |
| 2005090.27 | 994356.61 | 23 |

| SCHEDULE OF STORM SEWER REMOVAL, 15" | | |
|---|---|---|
| NORTHING | EASTING | STORM SEWER REMOVAL, 15" (FT) |
| | | 55100700 |
| 2006451.80 | 995146.99 | 29 |

| SCHEDULE OF STORM SEWER REMOVAL, 18" | | |
|---|---|---|
| NORTHING | EASTING | STORM SEWER REMOVAL, 18" (FT) |
| | | 55100900 |
| 2006706.17 | 995603.96 | 6 |

| SCHEDULE OF STORM SEWER REMOVAL, 20" | | |
|---|---|---|
| NORTHING | EASTING | STORM SEWER REMOVAL, 20" (FT) |
| | | 55101000 |
| 2006096.09 | 994928.24 | 41 |

| SCHEDULE OF STORM SEWER REMOVAL, 24" | | |
|---|---|---|
| NORTHING | EASTING | STORM SEWER REMOVAL, 24" (FT) |
| | | 55101200 |
| 2005716.95 | 994591.58 | 29 |

| SCHEDULE OF STORM SEWER REMOVAL, 42" | | |
|---|---|---|
| NORTHING | EASTING | STORM SEWER REMOVAL, 42" (FT) |
| | | 55101800 |
| 2006097.34 | 994923.99 | 36 |

| SCHEDULE OF POROUS GRANULAR EMBANKMENT, SUBGRADE & FILTER FABRIC | | | | | |
|---|---|---|---|---|---|
| NORTHING | EASTING | NORTHING | EASTING | POROUS GRANULAR EMBANKMENT, SUBGRADE (CU YD) | FILTER FABRIC (SQ YD) |
| FROM | | TO | | Z0042002 | 28200200 |
| 2006214.79 | 994534.45 | 2007028.74 | 995224.59 | 3260 | 5151 |

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-schedule-02.dgn | USER NAME = gtb | DESIGNED - KRK | REVISED - |
| | | DRAWN - KRK | REVISED - |
| | PLOT SCALE = 12.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**SCHEDULE OF QUANTITIES**

SCALE: NONE | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 6 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

MATCH LINE 2005800 N
(SEE SHEET NO. 8 )

℄ MEYER DRIVE

2005778.75
994253.66

300+00

2005641.79
994251.43

I

MEYER DR.

TEMP ESMT

PERM ESMT A/C

2005606.59
994359.51

2005495.60
994314.54

2005495.60
994301.36

2005438.69
994027.24

2005439.32
994296.51

ACCESS CONTROL

KENMODE TOOL
AND ENGINEERING

140+00

145+00

PERM ESMT A/C

2005221.96
994876.40

2005129.39
995010.61

ACCESS CONTROL

2004844.26
994909.58

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

135+00

ILLINOIS ROUTE 62
(ALGONQUIN ROAD)

2004663.21
994014.62

EX ROW

7
6
5
4
1
2
3

R = 471.54'

PROJECT BEGINS
STA 133+24.31
ILLINOIS RTE 31 BYPASS

A

2004434.22
994768.27

BM#1
5/8" IRON ROD WITH CAP (SET)
N = 2,004,226.37
E = 994,450.45
EL = 746.15

EX ROW

994750 E

ILLINOIS ROUTE 62
(ALGONQUIN ROAD)

2004006.44
995041.61

2004000 N

995250 E

℄ CROSS SECTIONS

2005750 N

℄ WORK ZONE LIMIT

ASH ST.

2005070.34
995575.31

HILLCREST DR.

POINT
COURT

2004903.08
995769.00

℄ WORK ZONE LIMIT

2004500 N

2004177.60
995169.05

2004169.99
995176.66

## LEGEND

- EXISTING ROW
- EXISTING ROW & ACCESS CONTROL LINE
- PROPOSED ROW & ACCESS CONTROL LINE
- PROPOSED PERMANENT EASEMENT & ACCESS CONTROL LINE
- PROPOSED TEMPORARY EASEMENT
- ACCESS CONTROL LINE
- PROPERTY LINE
- ℄ WORK ZONE LIMIT
- TIE POINT

NOTES

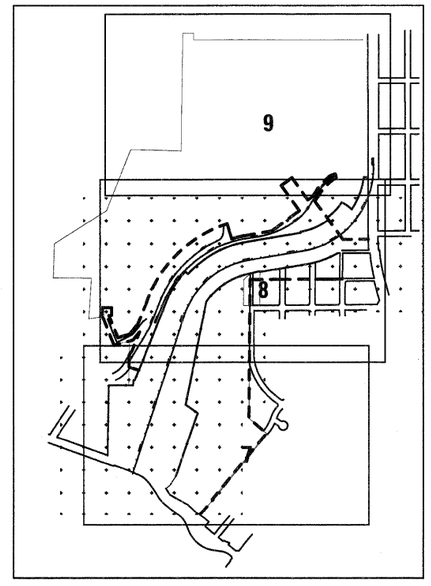
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917. SURFACE COORDINATES ARE SHOWN IN U.S. SURVEY FEET. ELEVATIONS ARE ON NAVD 88 DATUM.

N

1

| EXISTING RIGHT OF WAY | | |
|---|---|---|
| NODE ID | NORTHING | EASTING |
| 1 | 2004509.63 | 994681.44 |
| 2 | 2004371.28 | 994587.12 |
| 3 | 2004378.58 | 994582.31 |
| 4 | 2004539.60 | 994402.39 |
| 5 | 2004507.34 | 994383.28 |
| 6 | 2004570.63 | 994234.00 |
| 7 | 2004586.51 | 994234.26 |

| PROPOSED ℄ PAVEMENT IL RTE 31 BYPASS | | | | | |
|---|---|---|---|---|---|
| NODE ID | STATION | OFFSET | NORTHING | EASTING | DESCRIPTION |
| A | 132+37.67 | ℄ | 2004459.03 | 994291.08 | PR P.O.T. |
| PROPOSED ℄ MEYER DRIVE | | | | | |
| NODE ID | STATION | OFFSET | NORTHING | EASTING | DESCRIPTION |
| I | 300+00 | ℄ | 2005690.74 | 994245.67 | PR P.O.T. |




KEY MAP

100 0 100
SCALE IN FEET

| | | | |
|---|---|---|---|
| FILE NAME = ..\D160F78-sht-ATB-31.dgn | USER NAME = atb | DESIGNED - PML | REVISED - |
| | | DRAWN - PML | REVISED - |
| | PLOT SCALE = 1200.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**ALIGNMENT, TIES & BENCHMARKS**

SCALE: 1" = 100' | SHEET NO. 1 OF 3 SHEETS | STA. 133+24.31 TO STA. 155+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 7 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

## LEGEND

EXISTING ROW

EXISTING ROW & ACCESS CONTROL LINE

PROPOSED ROW & ACCESS CONTROL LINE

PERMANENT EASEMENT & ACCESS CONTROL LINE

PROPOSED TEMPORARY EASEMENT

ACCESS CONTROL LINE

PROPERTY LINE

℄ WORK ZONE LIMIT

TIE POINT

NOTES

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917. SURFACE COORDINATES ARE SHOWN IN U.S. SURVEY FEET. ELEVATIONS ARE ON NAVD 88 DATUM.

N

994750 E

995250 E

2007500 N

2006000 N

MATCH LINE 2007500 N (SEE SHEET NO. 9 )

MATCH LINE 2005800 N (SEE SHEET NO. 7 )

2007476.30 996226.34

2007494.29 996325.86

2007460.55 996304.46

2007449.45 996599.86

2007357.93 996133.08

2007379.12 996701.86

2007279.93 996439.28

2007259.90 996454.23

2007367.12 996712.88

2007214.23 995334.91

2007136.32 995827.67

2007052.07 995384.52

2007087.97 995537.24

2007128.49 996146.09

2007118.63 996147.73

2007018.92 995548.74

2006895.29 996552.35

2006695.13 995698.57

2006686.93 995978.49

2006675.75 995618.72

2006773.38 996205.20

2006689.04 995698.52

2006687.72 996113.50

2006665.95 994902.47

2006692.80 994872.82

2006690.58 995671.27

2006670.54 995588.65

2006359.22 995104.30

2006348.44 994444.26

2006296.51 993959.01

2006296.51 994059.01

2006213.37 994059.01

2006208.43 994029.70

2006114.08 994349.32

2006273.34 994629.63

2005965.76 994127.98

2006002.21 994257.30

2006196.51 993959.01

2006026.18 994367.65

2005940.79 994297.42

2005881.38 994086.63

2005820.90 994284.49

CURVE C303

CURVE C205

CURVE C204

CURVE *2

CURVE *1

CURVE C302

CURVE C203

CURVE C301

℄ MEYER DRIVE

℄ MEYER DITCH 2

℄ MEYER DITCH 1

℄ CROSS SECTIONS

TEMP ESMT

PERM ESMT A/C

PROPOSED ℄ PAVEMENT ILLINOIS RTE 31 BYPASS

ACCESS CONTROL

℄ WORK ZONE LIMIT

EX ROW

R = 1359.64'

R = 1120.06'

R = 1190.06'

R = 1150.06'

R = 1070.06'

R = 770.06'

R = 246'

R = 370.02'

R = 685.05'

R = 710.05'

R = 1970.10'

PERM ESMT

BM#2
X-CUT IN CURB (SET)
N = 2,006,927.83
E = 996,907.09
EL = 876.56

PROJECT ENDS
STA 170+08
ILLINOIS RTE 31 BYPASS

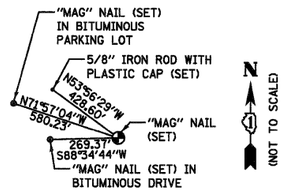
PROPOSED ℄ PAVEMENT IL RTE 31 BYPASS

| STATION | DESC | NORTHING | EASTING | PROP. CURVE 1 | PROP. CURVE 2 |
|---|---|---|---|---|---|
| 132+37.67 | PI A | 2,004,459.03 | 994,245.67 | PI STA. = 156+26.02<br>Δ = 62° 30′ 28″ (RT)<br>D = 6° 13′ 39″<br>R = 920.06′<br>T = 558.39′<br>L = 1,003.75′<br>E = 156.19′<br>e = -----<br>T.R. = -----<br>S.E. RUN = -----<br>P.C. STA. = 150+67.63<br>P.T. STA. = 160+71.38 | PI STA. = 174+59.44<br>Δ = 80° 38′ 27″ (LT)<br>D = 6° 13′ 39″<br>R = 920.06′<br>T = 780.83′<br>L = 1,294.93′<br>E = 286.67′<br>e = -----<br>T.R. = -----<br>S.E. RUN = -----<br>P.C. STA. = 166+78.62<br>P.T. STA. = 179+73.55 |
| 156+26.02 | PI | 2,006,729.95 | 995,030.77 | | |
| 174+59.44 | PI | 2,007,049.56 | 996,950.80 | | |
| 179+73.55 | PI E | 2,007,830.38 | 996,949.55 | | |

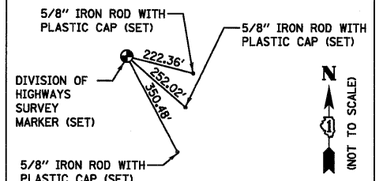
100 0 100
SCALE IN FEET

| | | | | | |
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| | | DRAWN - PML | REVISED - | | |
| | PLOT SCALE = 1200.0000 ' / ft. | CHECKED - GAB | REVISED - | | SCALE: 1" = 100' \| SHEET NO. 2 OF 3 SHEETS \| STA. 133+24.31 TO STA. 155+00.00 |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - | | |

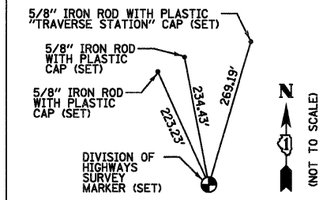
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 8 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |



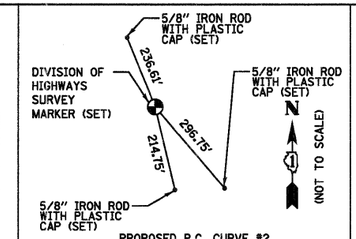

A — PROPOSED ℄ ILLINOIS ROUTE 31 BYPASS
STA. 132+37.67
N.2,004,459.031-E.994,291.083



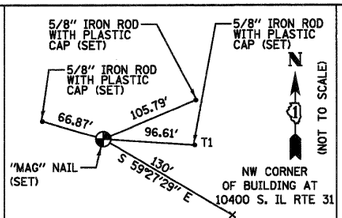

B — PROPOSED P.C. CURVE #1
ILLINOIS ROUTE 31 BYPASS
STA. 150+67.63
N.2,006,199.016-E.994,857.831



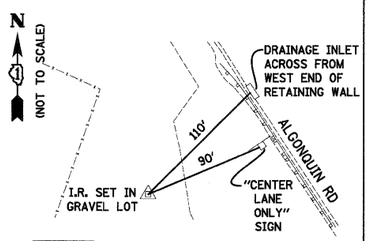

C — PROPOSED P.T. CURVE #1
ILLINOIS ROUTE 31 BYPASS
STA. 160+71.38
N.2,006,821.635-E.995,581.574



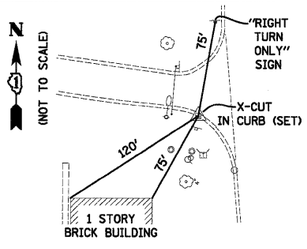

D — PROPOSED P.C. CURVE #2
ILLINOIS ROUTE 31 BYPASS
STA. 166+78.62
N.2,006,921.344-E.996,180.571




E — PROPOSED P.T. CURVE #2
ILLINOIS ROUTE 31 BYPASS
STA. 179+73.55
N.2,007,830.380-E.996,949.549




BM#1 — BENCHMARK #1
N. 2,004,226.37 - E. 994,450.45
ELEV. 746.15




BM#2 — BENCHMARK #2
N. 2,006,927.83 - E. 996,907.09
ELEV. 876.56

| ALIGNMENT ℄ MEYER DITCH 1 | | | | |
|---|---|---|---|---|
| STATION | DESC | NORTHING | EASTING | COURSE |
| 900+00.00 | PI K | 2,006,170.68 | 994,012.62 | |
| | | | | S 22° 02' 50.14" E Dist 277.4783 |
| 902+77.48 | PI | 2,005,913.49 | 994,116.78 | |
| | | | | N 63° 13' 59.33" E Dist 202.8217 |
| 904+80.30 | PI | 2,006,004.84 | 994,297.87 | |
| | | | | N 38° 07' 40.67" E Dist 172.3188 |
| 906+52.62 | PI | 2,006,140.39 | 994,404.26 | |
| | | | | N 55° 24' 10.49" E Dist 47.3812 |
| 907+00.00 | PI L | 2,006,167.30 | 994,443.26 | |

## LEGEND

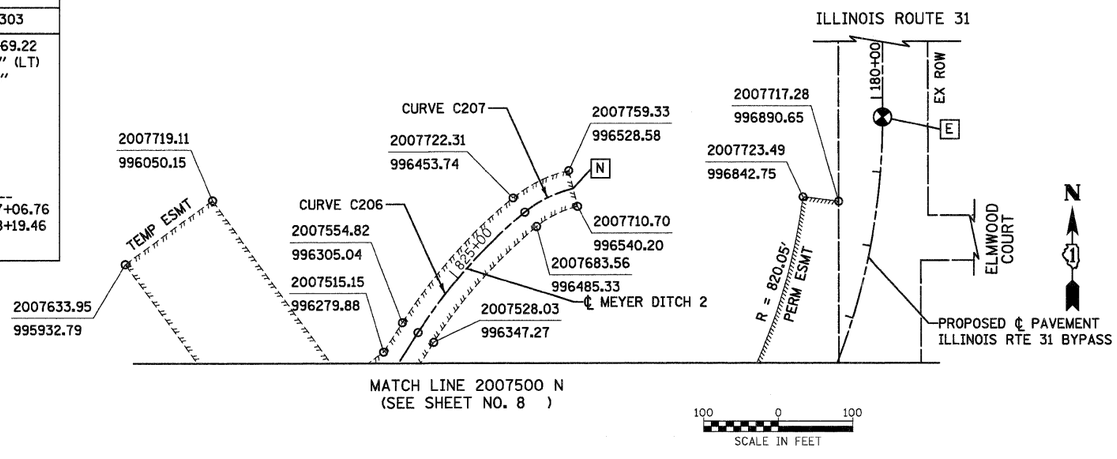
- EXISTING ROW
- EXISTING ROW & ACCESS CONTROL LINE
- PROPOSED ROW & ACCESS CONTROL LINE
- PERMANENT EASEMENT & ACCESS CONTROL LINE
- PROPOSED TEMPORARY EASEMENT
- ACCESS CONTROL LINE
- PROPERTY LINE
- ℄ WORK ZONE LIMIT
- TIE POINT

NOTES

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917. SURFACE COORDINATES ARE SHOWN IN U.S. SURVEY FEET. ELEVATIONS ARE ON NAVD 88 DATUM.

| ALIGNMENT ℄ MEYER DITCH 2 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| STATION | DESC | NORTHING | EASTING | COURSE | PROP. CURVE C203 | PROP. CURVE C204 | PROP. CURVE C205 | PROP. CURVE C206 | PROP. CURVE C207 |
| 800+00.00 | PI M | 2,006,127.90 | 994,543.20 | | PI STA. = 809+01.38 | PI STA. = 818+00.71 | PI STA. = 821+45.34 | PI STA. = 825+18.23 | PI STA. = 826+62.85 |
| | | | | N 21° 30' 52.18" E Dist 196.8913 | Δ = 60° 49' 56" (RT) | Δ = 29° 05' 52" (LT) | Δ = 20° 51' 39" (LT) | Δ = 18° 25' 05" (RT) | Δ = 25° 44' 56" (RT) |
| 809+01.38 | PI | 2,006,966.48 | 994,873.76 | | D = 4° 46' 29" | D = 5° 45' 23" | D = 10° 49' 18" | D = 8° 29' 29" | D = 35° 17' 14" |
| | | | | N 82° 20' 47.80" E Dist 71.4284 | R = 1,200.00' | R = 995.36' | R = 529.45' | R = 674.75' | R = 162.37' |
| 818+00.71 | PI | 2,007,104.22 | 995,898.79 | | T = 704.49' | T = 258.32' | T = 97.46' | T = 109.39' | T = 37.11' |
| | | | | | L = 1,274.06' | L = 505.49' | L = 192.77' | L = 216.90' | L = 72.97' |
| 821+45.34 | PI | 2,007,317.10 | 996,183.86 | | E = 191.51' | E = 32.97' | E = 8.90' | E = 8.81' | E = 4.19' |
| | | | | N 32° 23' 17.31" E Dist 168.1882 | e = ----- | e = ----- | e = ----- | e = ----- | e = ----- |
| 825+18.23 | PI | 2,007,633.80 | 996,384.75 | | T.R. = ----- | T.R. = ----- | T.R. = ----- | T.R. = ----- | T.R. = ----- |
| | | | | | S.E. RUN = ----- | S.E. RUN = ----- | S.E. RUN = ----- | S.E. RUN = ----- | S.E. RUN = ----- |
| 826+62.85 | PI | 2,007,726.38 | 996,498.30 | | P.C. STA. = 801+96.89 | P.C. STA. = 815+42.38 | P.C. STA. = 820+47.88 | P.C. STA. = 824+08.83 | P.C. STA. = 826+25.73 |
| 826+98.70 | PI N | 2,007,735.01 | 996,534.39 | | P.T. STA. = 814+70.96 | P.T. STA. = 820+47.88 | P.T. STA. = 822+40.64 | P.T. STA. = 826+25.73 | P.T. STA. = 826+98.70 |

| ℄ MEYER DRIVE | | | | | | | |
|---|---|---|---|---|---|---|---|
| STATION | DESC | NORTHING | EASTING | COURSE | PROP. CURVE C301 | PROP. CURVE C302 | PROP. CURVE C303 |
| 300+00.00 | PI I | 2,005,690.74 | 994,245.67 | | PI STA. = 304+45.58 | PI STA. = 312+58.29 | PI STA. = 317+69.22 |
| | | | | N 31° 23' 47.39" E Dist 433.9141 | Δ = 9° 52' 55" (LT) | Δ = 44° 17' 54" (RT) | Δ = 61° 29' 54" (LT) |
| 304+45.58 | PI | 2,006,071.09 | 994,477.80 | | D = 42° 26' 29" | D = 4° 40' 38" | D = 54° 34' 03" |
| | | | | N 21° 30' 52.18" E Dist 302.4478 | R = 135.00' | R = 1,225.00' | R = 105.00' |
| 312+58.29 | PI | 2,006,827.22 | 994,775.87 | | T = 11.67' | T = 498.65' | T = 62.47' |
| | | | | | L = 23.28' | L = 947.11' | L = 112.70' |
| 317+69.22 | PI | 2,007,057.12 | 995,287.73 | | E = 0.50' | E = 97.60' | E = 17.18' |
| | | | | N 04° 18' 52.13" E Dist 87.3810 | e = ----- | e = ----- | e = ----- |
| 319+06.84 | PI J | 2,007,206.54 | 995,299.00 | | T.R. = ----- | T.R. = ----- | T.R. = ----- |
| | | | | | S.E. RUN = ----- | S.E. RUN = ----- | S.E. RUN = ----- |
| | | | | | P.C. STA. = 304+33.91 | P.C. STA. = 307+59.65 | P.C. STA. = 317+06.76 |
| | | | | | P.T. STA. = 304+57.20 | P.T. STA. = 317+06.76 | P.T. STA. = 318+19.46 |




| | | | | |
|---|---|---|---|---|
| FILE NAME = ...\D160F78-sht-ATB-03.dgn | USER NAME = atb | DESIGNED - PML | REVISED - | |
| | | DRAWN - PML | REVISED - | |
| | PLOT SCALE = 1200.0297 ' / ft. | CHECKED - GAB | REVISED - | |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | |

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

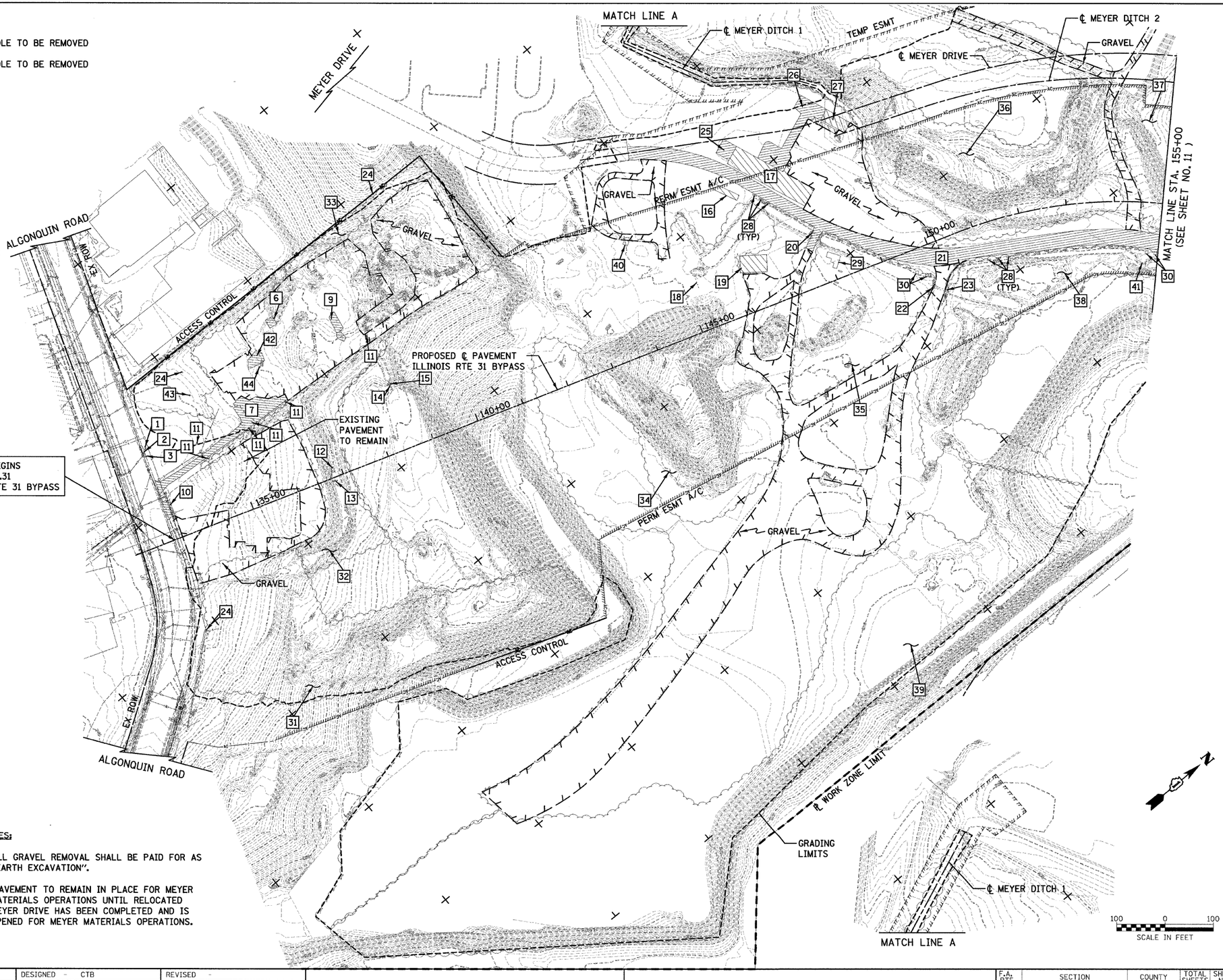
**ALIGNMENT, TIES & BENCHMARKS**

SCALE: 1" = 100' | SHEET NO. 3 OF 3 SHEETS | STA. 155+00.00 TO STA. 170+08.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 9 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

## KEYED NOTE LEGEND

1. INLET TO BE REMOVED
2. STORM SEWER REMOVAL 12" (13 FT)
3. PAVED SHOULDER REMOVAL (5 SY)
4. NOT USED
5. NOT USED
6. PAVEMENT REMOVAL (36 SY)
7. PAVEMENT REMOVAL (791 SY)
8. NOT USED
9. PAVEMENT REMOVAL (97 SY)
10. PAVEMENT REMOVAL (73 SY)
11. SEALING ABANDONED MONITORING WELLS (6 EA TOTAL)
12. PAVEMENT REMOVAL (6 SY)
13. PAVEMENT REMOVAL (1 SY)
14. STORM SEWER REMOVAL 14" (20 FT)
15. STORM SEWER REMOVAL 14" (23 FT)
16. BUILDING REMOVAL NO. 1
17. BUILDING REMOVAL NO. 2
18. STORM SEWER REMOVAL 24" (29 FT)
19. BUILDING REMOVAL NO. 3
20. STORM SEWER REMOVAL 6" (24 FT)
21. PAVEMENT REMOVAL (5460 SY) SEE NOTE 2
22. STORM SEWER REMOVAL 20" (41 FT)
23. STORM SEWER REMOVAL 42" (36 FT)
24. POWER POLE TO BE RELOCATED (BY OTHERS)
25. PAVEMENT REMOVAL (111 SY)
26. PAVEMENT REMOVAL (643 SY)
27. BUILDING REMOVAL NO. 4
28. CONCRETE BLOCK REMOVAL (67 BLOCKS, 44.7 CY TOTAL)
29. CONCRETE BLOCK REMOVAL (22 BLOCKS, 122.2 CY TOTAL)
30. CONCRETE BLOCK REMOVAL (4 BLOCKS, 17.8 CY TOTAL)
31. TREE REMOVAL (3.2 AC)
32. TREE REMOVAL (0.9 AC)
33. TREE REMOVAL (0.7 AC)
34. TREE REMOVAL (13.3 AC)
35. TREE REMOVAL (1.4 AC)
36. TREE REMOVAL (3.3 AC)
37. TREE REMOVAL (1.9 AC)
38. TREE REMOVAL (3.0 AC)
39. TREE REMOVAL (7.8 AC)
40. METAL TRUSS REMOVAL
41. STORM SEWER REMOVAL 15" (29 FT)
42. PAVEMENT REMOVAL (88 SY)
43. MANHOLE TO BE REMOVED
44. MANHOLE TO BE REMOVED




NOTES:

1) ALL GRAVEL REMOVAL SHALL BE PAID FOR AS "EARTH EXCAVATION".

2) PAVEMENT TO REMAIN IN PLACE FOR MEYER MATERIALS OPERATIONS UNTIL RELOCATED MEYER DRIVE HAS BEEN COMPLETED AND IS OPENED FOR MEYER MATERIALS OPERATIONS.

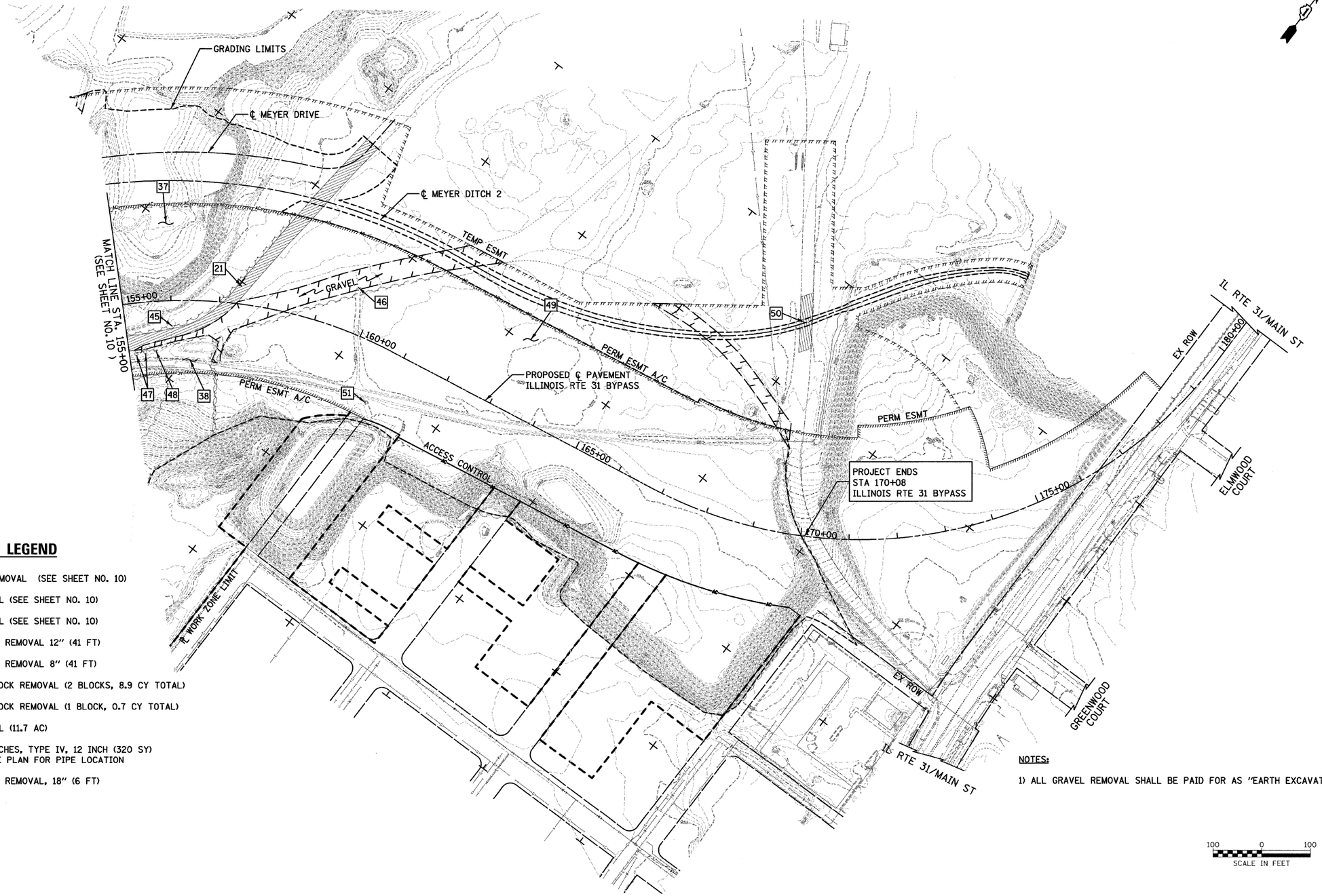
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| | | DRAWN - ARA | REVISED - |
| | PLOT SCALE = 1200.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

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

**REMOVAL PLAN**

SCALE: 1" = 100' | SHEET NO. 1 OF 2 SHEETS | STA. 133+24.31 TO STA. 155+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 10 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |




## KEYED NOTE LEGEND

- 21 PAVEMENT REMOVAL (SEE SHEET NO. 10)
- 37 TREE REMOVAL (SEE SHEET NO. 10)
- 38 TREE REMOVAL (SEE SHEET NO. 10)
- 45 STORM SEWER REMOVAL 12" (41 FT)
- 46 STORM SEWER REMOVAL 8" (41 FT)
- 47 CONCRETE BLOCK REMOVAL (2 BLOCKS, 8.9 CY TOTAL)
- 48 CONCRETE BLOCK REMOVAL (1 BLOCK, 0.7 CY TOTAL)
- 49 TREE REMOVAL (11.7 AC)
- 50 CLASS D PATCHES, TYPE IV, 12 INCH (320 SY) SEE DRAINAGE PLAN FOR PIPE LOCATION
- 51 STORM SEWER REMOVAL, 18" (6 FT)

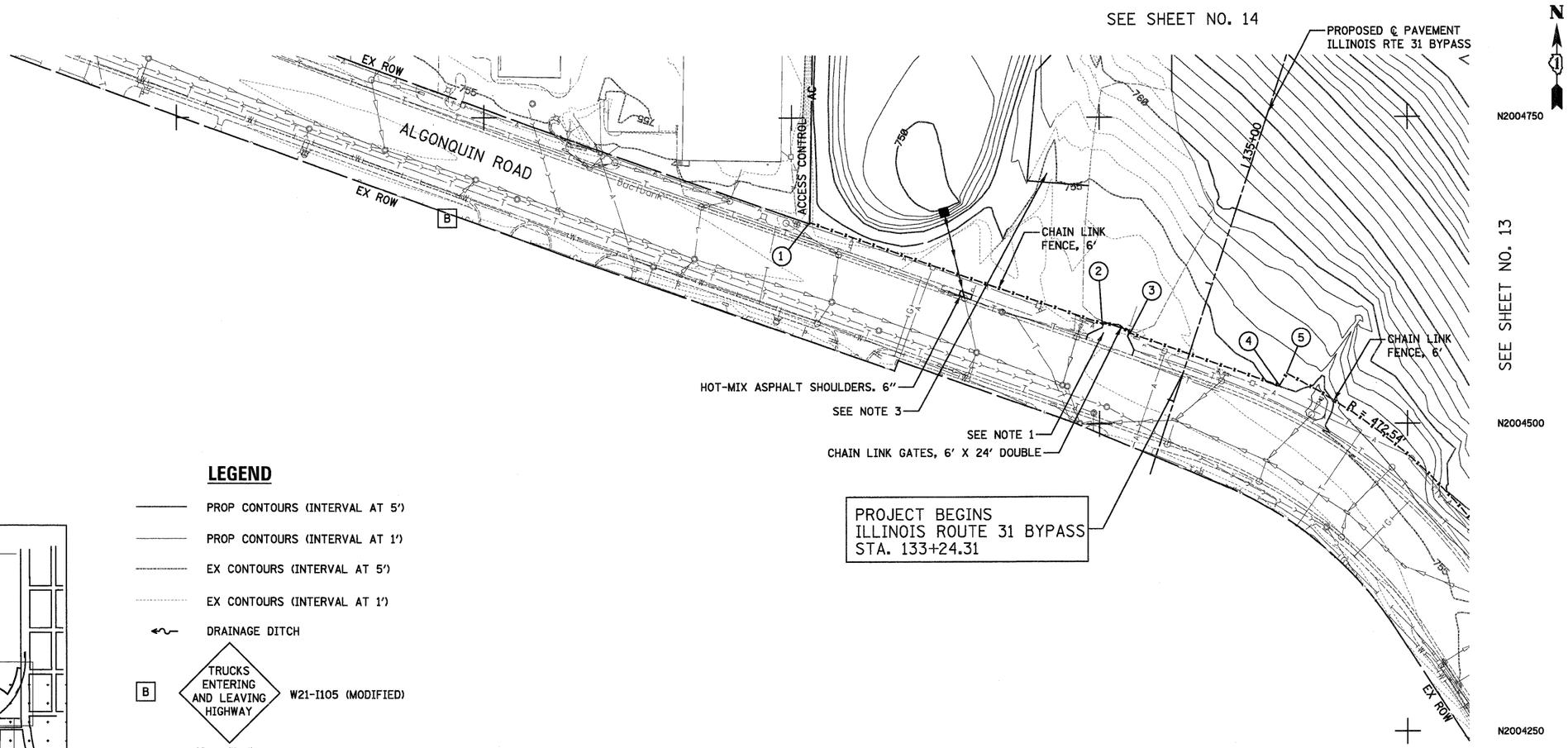
NOTES:

1) ALL GRAVEL REMOVAL SHALL BE PAID FOR AS "EARTH EXCAVATION".

100 0 100
SCALE IN FEET

| | | | | | |
|---|---|---|---|---|---|
| FILE NAME = ...\D160F78-sht-rem-02.dgn | USER NAME = ctb | DESIGNED - CTB | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | REMOVAL PLAN |
| | | DRAWN - ARA | REVISED - | | |
| | PLOT SCALE = 1200.0000 ' / ft. | CHECKED - GAB | REVISED - | | SCALE: 1" = 100' \| SHEET NO. 2 OF 2 SHEETS \| STA. 155+00.00 TO STA. 170+08.00 |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - | | |

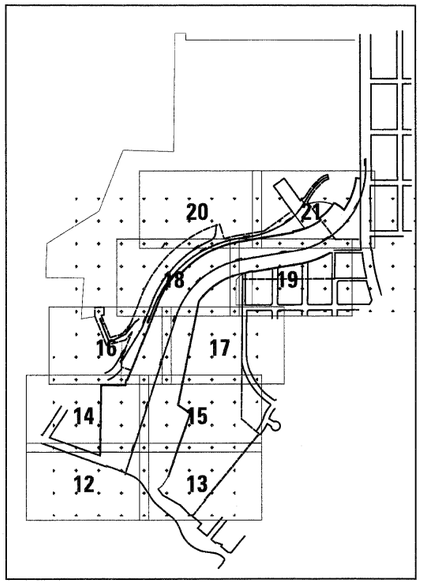
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 11 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |




## LEGEND

- PROP CONTOURS (INTERVAL AT 5')
- PROP CONTOURS (INTERVAL AT 1')
- EX CONTOURS (INTERVAL AT 5')
- EX CONTOURS (INTERVAL AT 1')
- DRAINAGE DITCH
- B — TRUCKS ENTERING AND LEAVING HIGHWAY — W21-I105 (MODIFIED)

TO BE PAID FOR AS
"SIGN PANEL - TYPE 1"
AND "METAL POST - TYPE A"
(2 POSTS PER SIGN)




## KEY MAP

| PROPOSED CHAIN LINK FENCE, 6' | | |
|---|---|---|
| NODE ID | NORTHING | EASTING |
| ① | 2004664.26 | 994014.63 |
| ② | 2004581.83 | 994252.24 |
| ③ | 2004573.92 | 994274.90 |
| ④ | 2004531.02 | 994396.17 |
| ⑤ | 2004541.02 | 994402.04 |

NOTES

1) SEE SOUTH ACCESS TO ALGONQUIN ROAD DETAIL ON SHEET 69.
2) SEE DRAINAGE STRUCTURE AND PIPE INFORMATION ON SHEETS 38 TO 47 .
3) SEE EROSION CONTROL PLAN SHEET FOR STABILIZED CONSTRUCTION ENTRANCE DETAIL.
4) CHAIN LINK FENCE, 6' SHALL BE CONSTRUCTED UPON COMPLETION OF THE PROJECT 1' OFF ROW AT LOCATIONS SHOWN ON PLANS.

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-grading-01.dgn | USER NAME = ctb | DESIGNED - KWH | REVISED - |
| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 620.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

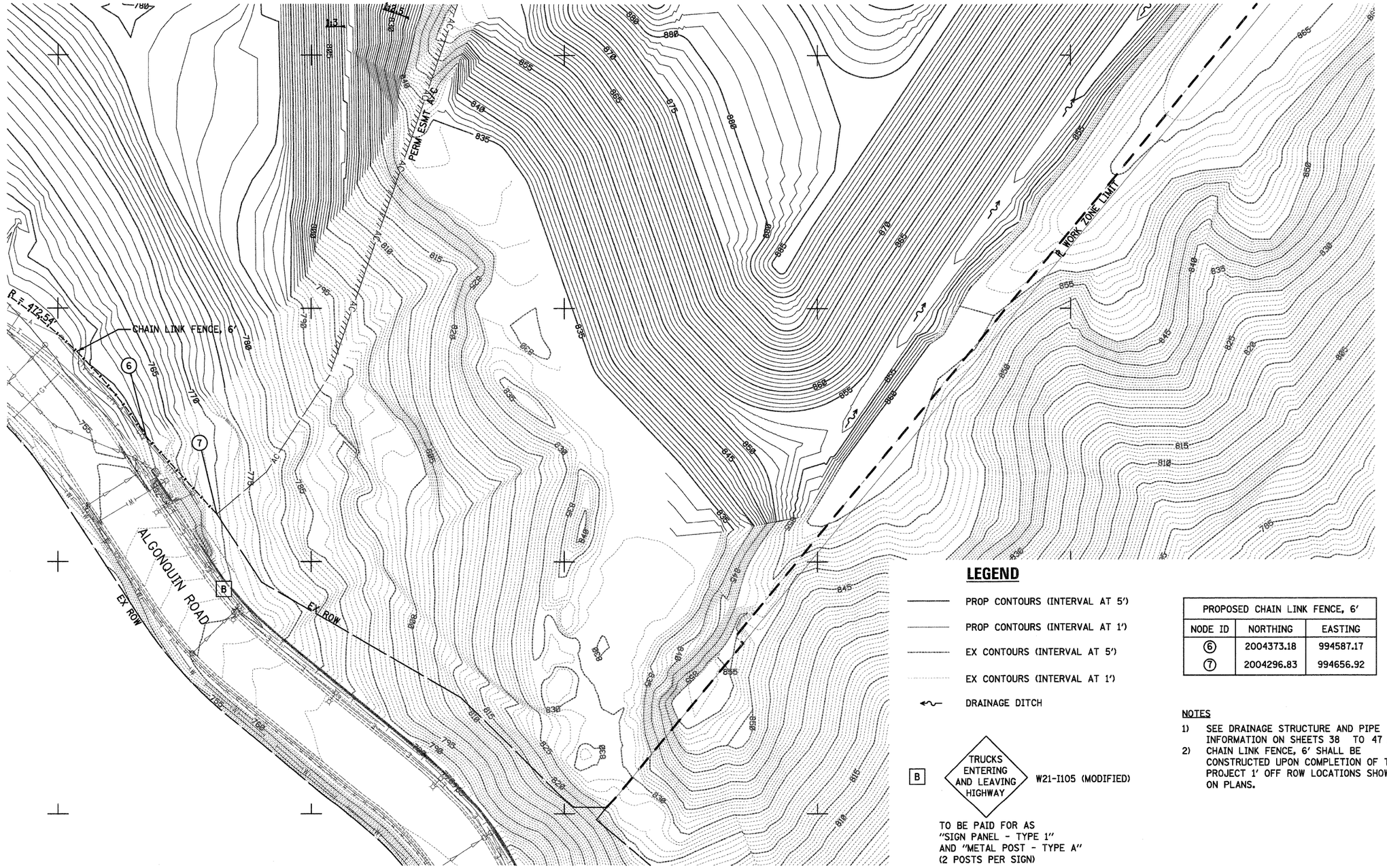
**GRADING PLAN**

SCALE: 1" = 50' | SHEET NO. 1 OF 10 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 12 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

SEE SHEET NO. 15

SEE SHEET NO. 12




## LEGEND

- PROP CONTOURS (INTERVAL AT 5')
- PROP CONTOURS (INTERVAL AT 1')
- EX CONTOURS (INTERVAL AT 5')
- EX CONTOURS (INTERVAL AT 1')
- DRAINAGE DITCH

B — TRUCKS ENTERING AND LEAVING HIGHWAY — W21-1105 (MODIFIED)

TO BE PAID FOR AS "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE A" (2 POSTS PER SIGN)

| PROPOSED CHAIN LINK FENCE, 6' | | |
|---|---|---|
| NODE ID | NORTHING | EASTING |
| ⑥ | 2004373.18 | 994587.17 |
| ⑦ | 2004296.83 | 994656.92 |

NOTES

1) SEE DRAINAGE STRUCTURE AND PIPE INFORMATION ON SHEETS 38 TO 47 .
2) CHAIN LINK FENCE, 6' SHALL BE CONSTRUCTED UPON COMPLETION OF THE PROJECT 1' OFF ROW LOCATIONS SHOWN ON PLANS.

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-grading-02.dgn | USER NAME = otb | DESIGNED - KWH | REVISED - |
| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**GRADING PLAN**

SCALE: 1" = 50' | SHEET NO. 2 OF 10 SHEETS | STA. | TO STA.

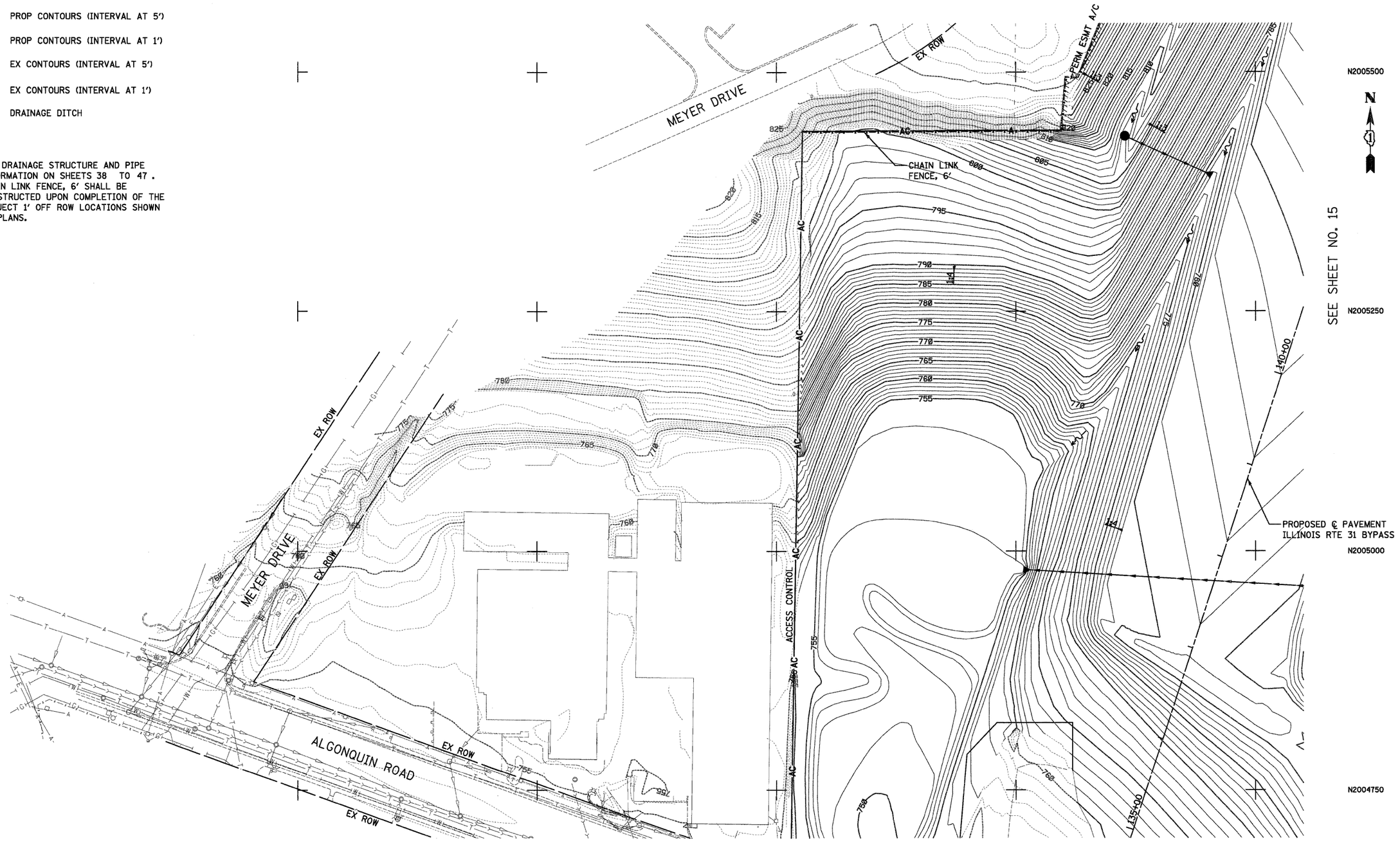
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 13 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## LEGEND

- PROP CONTOURS (INTERVAL AT 5')
- PROP CONTOURS (INTERVAL AT 1')
- EX CONTOURS (INTERVAL AT 5')
- EX CONTOURS (INTERVAL AT 1')
- DRAINAGE DITCH

NOTES

1) SEE DRAINAGE STRUCTURE AND PIPE INFORMATION ON SHEETS 38 TO 47 .
2) CHAIN LINK FENCE, 6' SHALL BE CONSTRUCTED UPON COMPLETION OF THE PROJECT 1' OFF ROW LOCATIONS SHOWN ON PLANS.

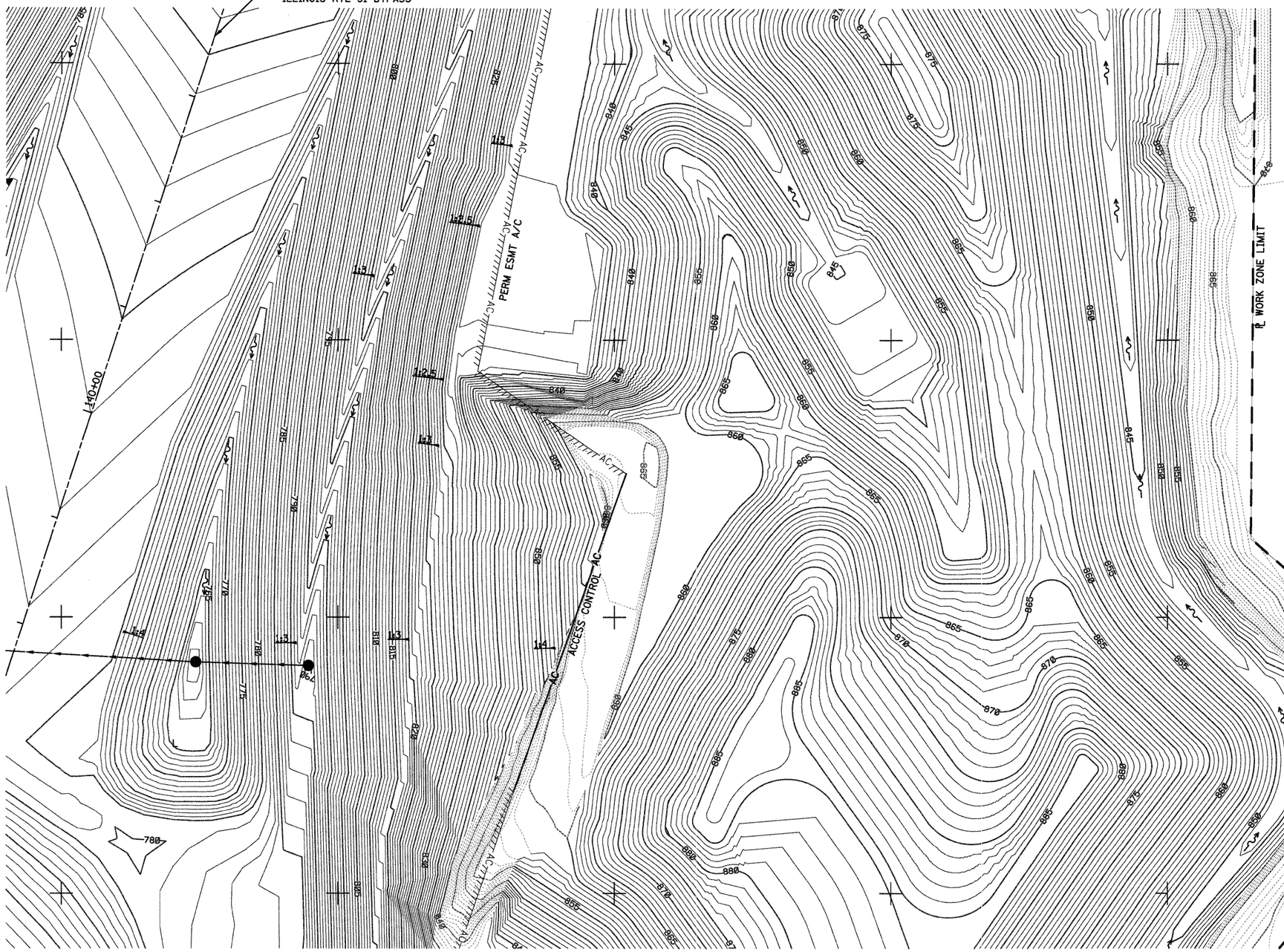



| | | | | | |
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| FILE NAME = ...\D160F78-sht-grading-03.dgn | USER NAME = etb | DESIGNED - KWH | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | GRADING PLAN |
| | | DRAWN - JES | REVISED - | | |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - | | SCALE: 1" = 50' \| SHEET NO. 3 OF 10 SHEETS \| STA. TO STA. |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 14 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

SEE SHEET NO. 17

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS




SEE SHEET NO. 14

N2005500

N2005250

N2005000

N2004750

E994500 E994750 E995000 E995250 E995500

SEE SHEET NO. 13

℄ WORK ZONE LIMIT

N

NOTES

1) SEE DRAINAGE STRUCTURE AND PIPE INFORMATION ON SHEETS 38 TO 47 .

**LEGEND**

- PROP CONTOURS (INTERVAL AT 5')
- PROP CONTOURS (INTERVAL AT 1')
- EX CONTOURS (INTERVAL AT 5')
- EX CONTOURS (INTERVAL AT 1')
- DRAINAGE DITCH

50 0 50
SCALE IN FEET

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-grading-04.dgn | USER NAME = ctb | DESIGNED - KWH | REVISED - |
| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**GRADING PLAN**

SCALE: 1" = 50' | SHEET NO. 4 OF 10 SHEETS | STA. | TO STA.

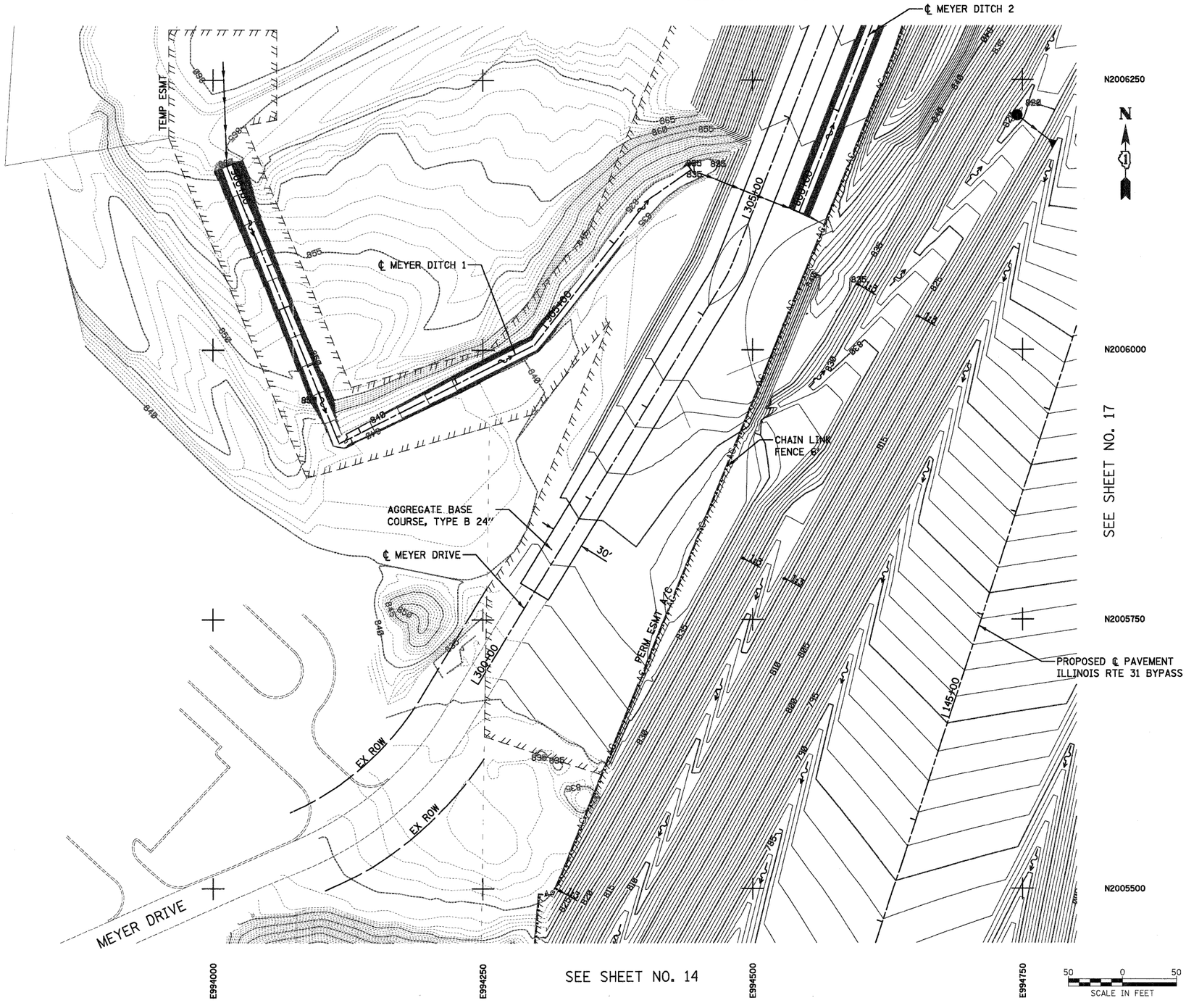
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 15 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

## LEGEND

- PROP CONTOURS (INTERVAL AT 5')
- PROP CONTOURS (INTERVAL AT 1')
- EX CONTOURS (INTERVAL AT 5')
- EX CONTOURS (INTERVAL AT 1')
- DRAINAGE DITCH

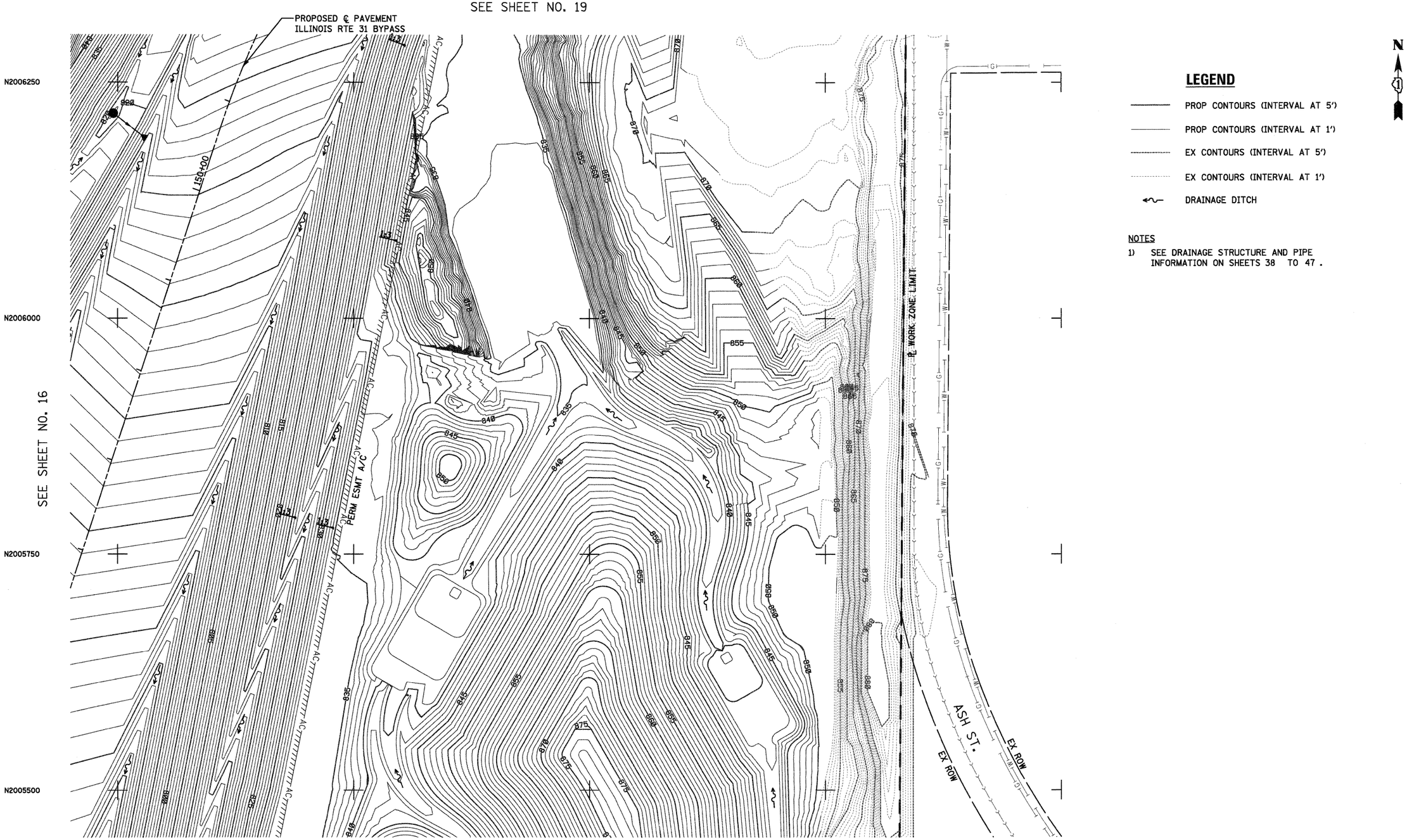
NOTES

1) SEE DRAINAGE STRUCTURE AND PIPE INFORMATION ON SHEETS 38 TO 47 .
2) CHAIN LINK FENCE, 6' SHALL BE CONSTRUCTED UPON COMPLETION OF THE PROJECT 1' OFF ROW LOCATIONS SHOWN ON PLANS.




| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FILE NAME = ...\D160F78-sht-grading-05.dgn | USER NAME = ctb | DESIGNED - KWH | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | GRADING PLAN | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - JES | REVISED - | | | | 18A-1 | McHENRY | 115 | 16 |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - | | | | | CONTRACT NO. 60F78 | | |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | SCALE: 1" = 50' SHEET NO. 5 OF 10 SHEETS STA. TO STA. | | | ILLINOIS FED. AID PROJECT | | |

SEE SHEET NO. 19




| | | | |
|---|---|---|---|
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| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**GRADING PLAN**

SCALE: 1" = 50' | SHEET NO. 6 OF 10 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 17 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

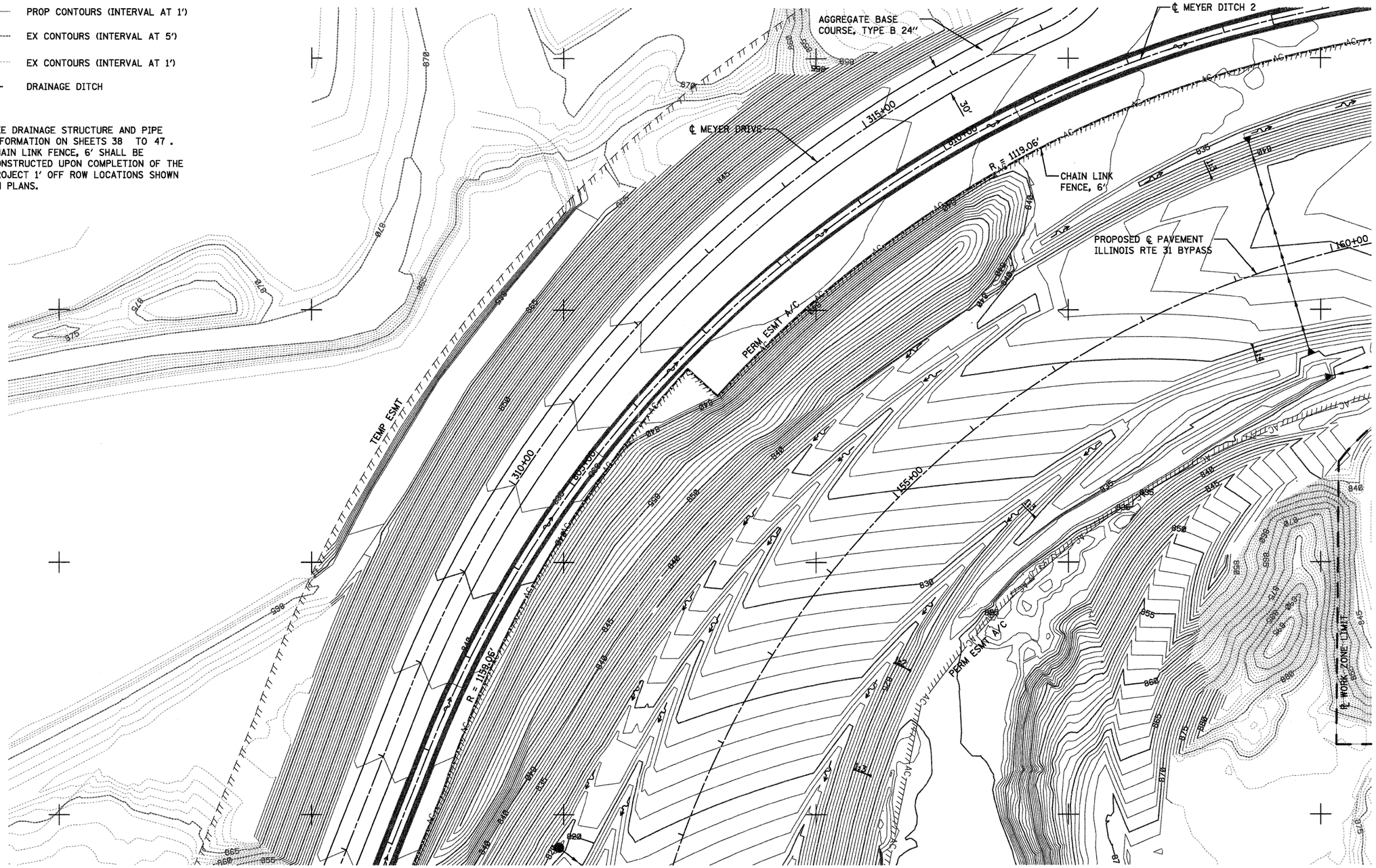
## LEGEND

- PROP CONTOURS (INTERVAL AT 5')
- PROP CONTOURS (INTERVAL AT 1')
- EX CONTOURS (INTERVAL AT 5')
- EX CONTOURS (INTERVAL AT 1')
- DRAINAGE DITCH

NOTES

1) SEE DRAINAGE STRUCTURE AND PIPE INFORMATION ON SHEETS 38 TO 47 .
2) CHAIN LINK FENCE, 6' SHALL BE CONSTRUCTED UPON COMPLETION OF THE PROJECT 1' OFF ROW LOCATIONS SHOWN ON PLANS.

SEE SHEET NO. 20




SEE SHEET NO. 19

SEE SHEET NO. 16

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-grading-07.dgn | USER NAME = cab | DESIGNED - KWH | REVISED - |
| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 600.2000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**GRADING PLAN**

SCALE: 1" = 50' | SHEET NO. 7 OF 10 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 18 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

SEE SHEET NO. 21

PROJECT ENDS
ILLINOIS ROUTE 31 BYPASS
STA. 170+08

SEE SHEET NO. 18

℄ MEYER DITCH 2

PERM ESMT A/C

R = 1119.06'

CHAIN LINK FENCE, 6'

PROPOSED ℄ PAVEMENT ILLINOIS RTE 31 BYPASS

160+00

165+00

170+02

ACCESS CONTROL

AC

SP

PERM ESMT A/C

℄ WORK ZONE LIMIT

EX ROW

EX ROW

EX ROW

AREA TO BE USED FOR STOCKPILING EXCESS MATERIAL

ARROWHEAD DRIVE

N2007000

N2006750

N2006500

N2006250

N

E995500

E995750

E996000

E996250

E996500

E996750

## LEGEND

- PROP CONTOURS (INTERVAL AT 5')
- PROP CONTOURS (INTERVAL AT 1')
- EX CONTOURS (INTERVAL AT 5')
- EX CONTOURS (INTERVAL AT 1')
- DRAINAGE DITCH
- SP — SETTLEMENT PLATFORM

NOTES

1) SEE DRAINAGE STRUCTURE AND PIPE INFORMATION ON SHEETS 38 TO 47 .
2) CHAIN LINK FENCE, 6' SHALL BE CONSTRUCTED UPON COMPLETION OF THE PROJECT 1' OFF ROW LOCATIONS SHOWN ON PLANS.

50 0 50
SCALE IN FEET

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-grading-08.dgn | USER NAME = ctb | DESIGNED - KWH | REVISED - |
| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

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

**GRADING PLAN**

SCALE: 1" = 50' | SHEET NO. 8 OF 10 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 19 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## LEGEND

- PROP CONTOURS (INTERVAL AT 5')
- PROP CONTOURS (INTERVAL AT 1')
- EX CONTOURS (INTERVAL AT 5')
- EX CONTOURS (INTERVAL AT 1')
- DRAINAGE DITCH

NOTES

1) SEE DRAINAGE STRUCTURE AND PIPE INFORMATION ON SHEETS 38 TO 47 .
2) CHAIN LINK FENCE, 6' SHALL BE CONSTRUCTED UPON COMPLETION OF THE PROJECT 1' OFF ROW LOCATIONS SHOWN ON PLANS.




| | | | |
|---|---|---|---|
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| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**GRADING PLAN**

SCALE: 1" = 50' | SHEET NO. 9 OF 10 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 20 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## LEGEND

- PROP CONTOURS (INTERVAL AT 5')
- PROP CONTOURS (INTERVAL AT 1')
- EX CONTOURS (INTERVAL AT 5')
- EX CONTOURS (INTERVAL AT 1')
- DRAINAGE DITCH

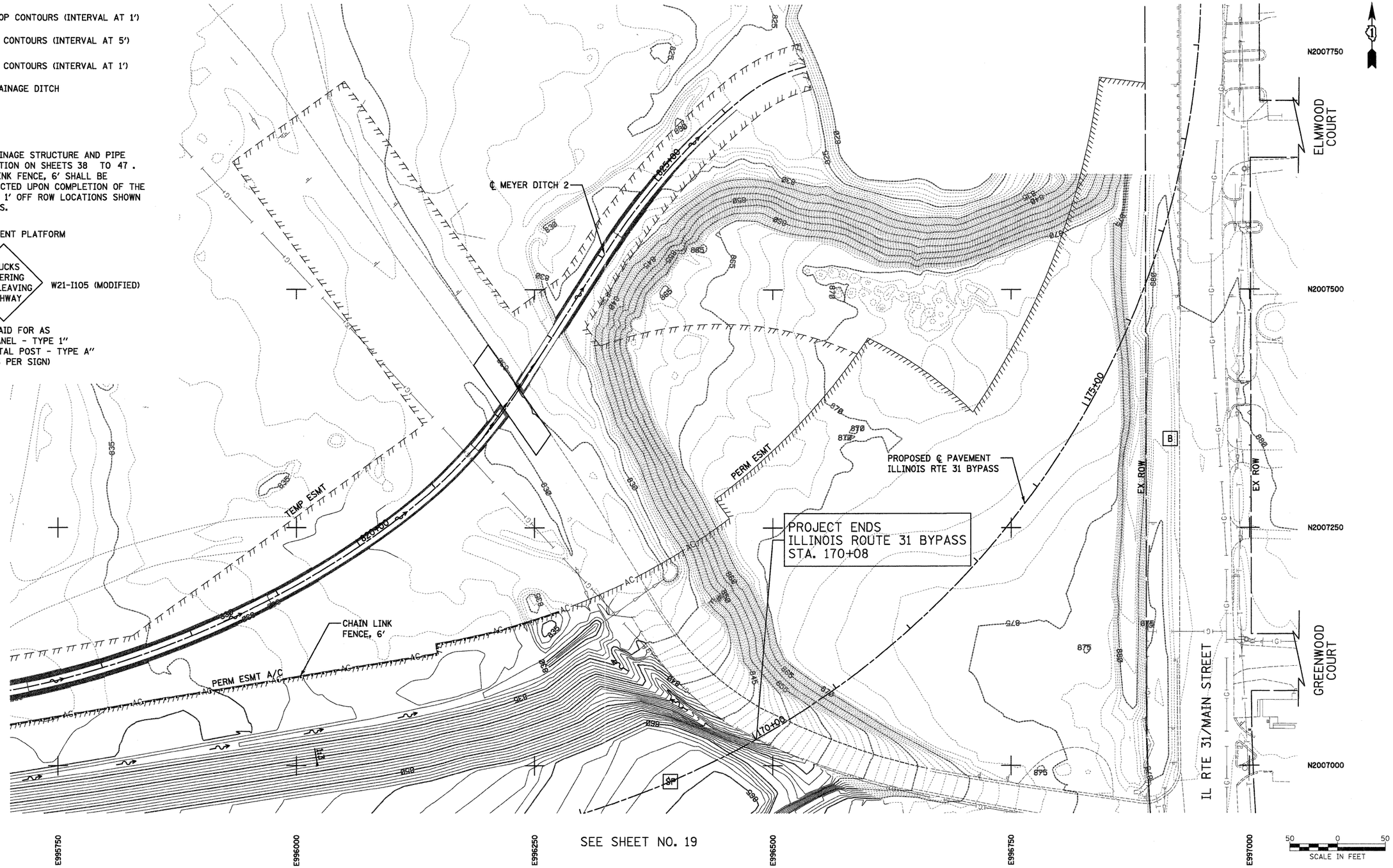
NOTES

1) SEE DRAINAGE STRUCTURE AND PIPE INFORMATION ON SHEETS 38 TO 47 .
2) CHAIN LINK FENCE, 6' SHALL BE CONSTRUCTED UPON COMPLETION OF THE PROJECT 1' OFF ROW LOCATIONS SHOWN ON PLANS.

SP - SETTLEMENT PLATFORM

B - TRUCKS ENTERING AND LEAVING HIGHWAY - W21-1105 (MODIFIED)

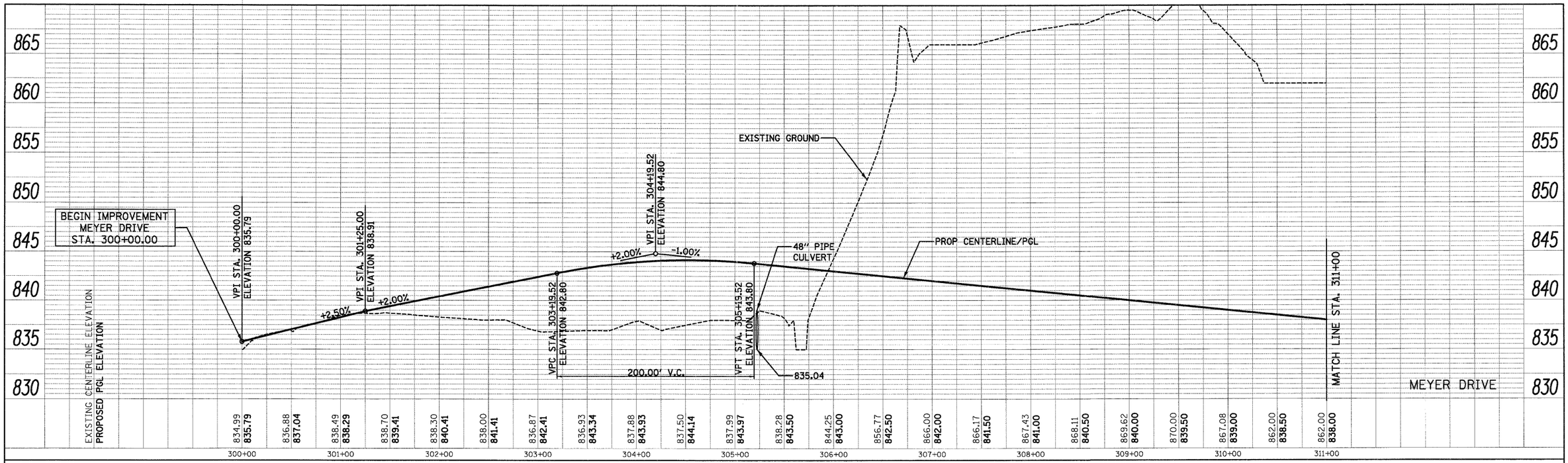
TO BE PAID FOR AS "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE A" (2 POSTS PER SIGN)



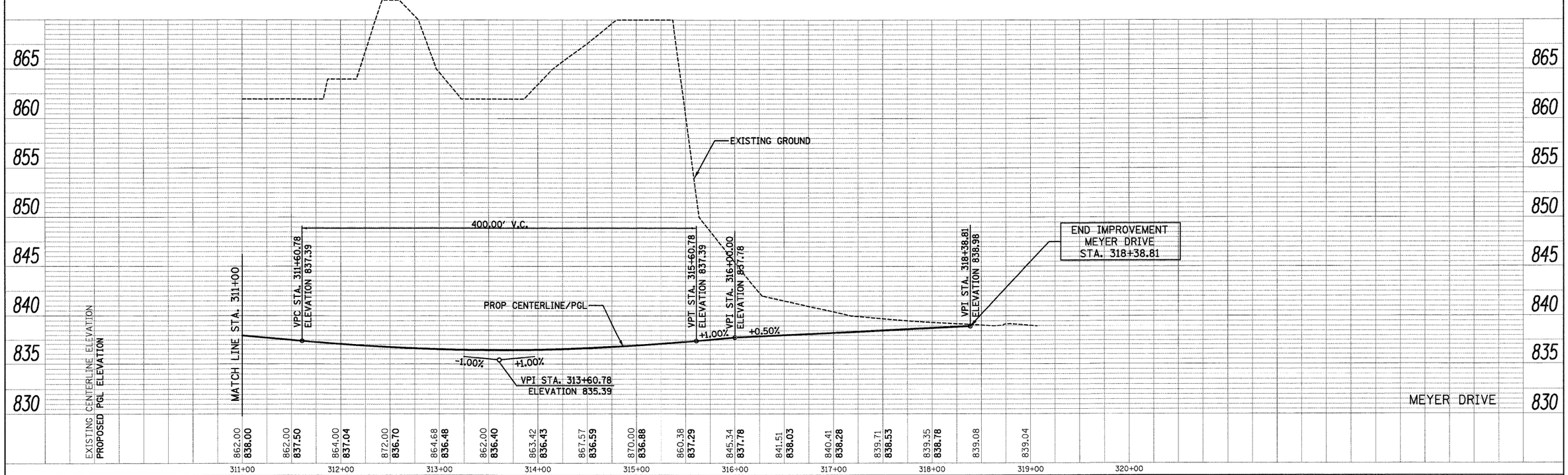

| | | | | | |
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| | | DRAWN - JES | REVISED - | | |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - | | SCALE: 1" = 50' \| SHEET NO. 10 OF 10 SHEETS \| STA. TO STA. |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 21 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

PLAN
SURVEYED
ROUTED
ALIGNMENT CHECKED
GRADES CHECKED
ELM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

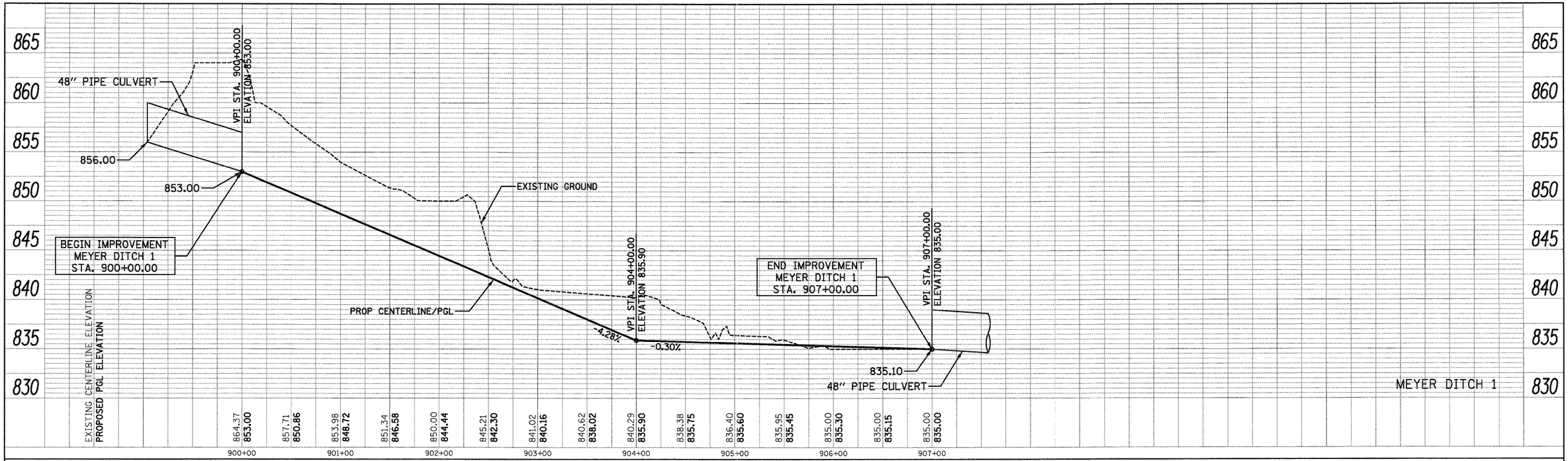



PROFILE
SURVEYED
ROUTED
GRADES CHECKED
ELM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE




| | | | | | |
|---|---|---|---|---|---|
| FILE NAME = ...\D160F78-sht-prof-01.dgn | USER NAME = ctb | DESIGNED - CTB | REVISED - | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** | **PROFILES** |
| | | DRAWN - KWH | REVISED - | | |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - | | SCALE: SHEET NO. 1 OF 3 SHEETS STA. 300+00 TO STA. 318+38.81 |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 22 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |




PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
ALIGNMENT CHECKED
P.I.'s MARKED
POINT FIELD NAME
BY
DATE

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKED
BY
DATE

| | | | |
|---|---|---|---|
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| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

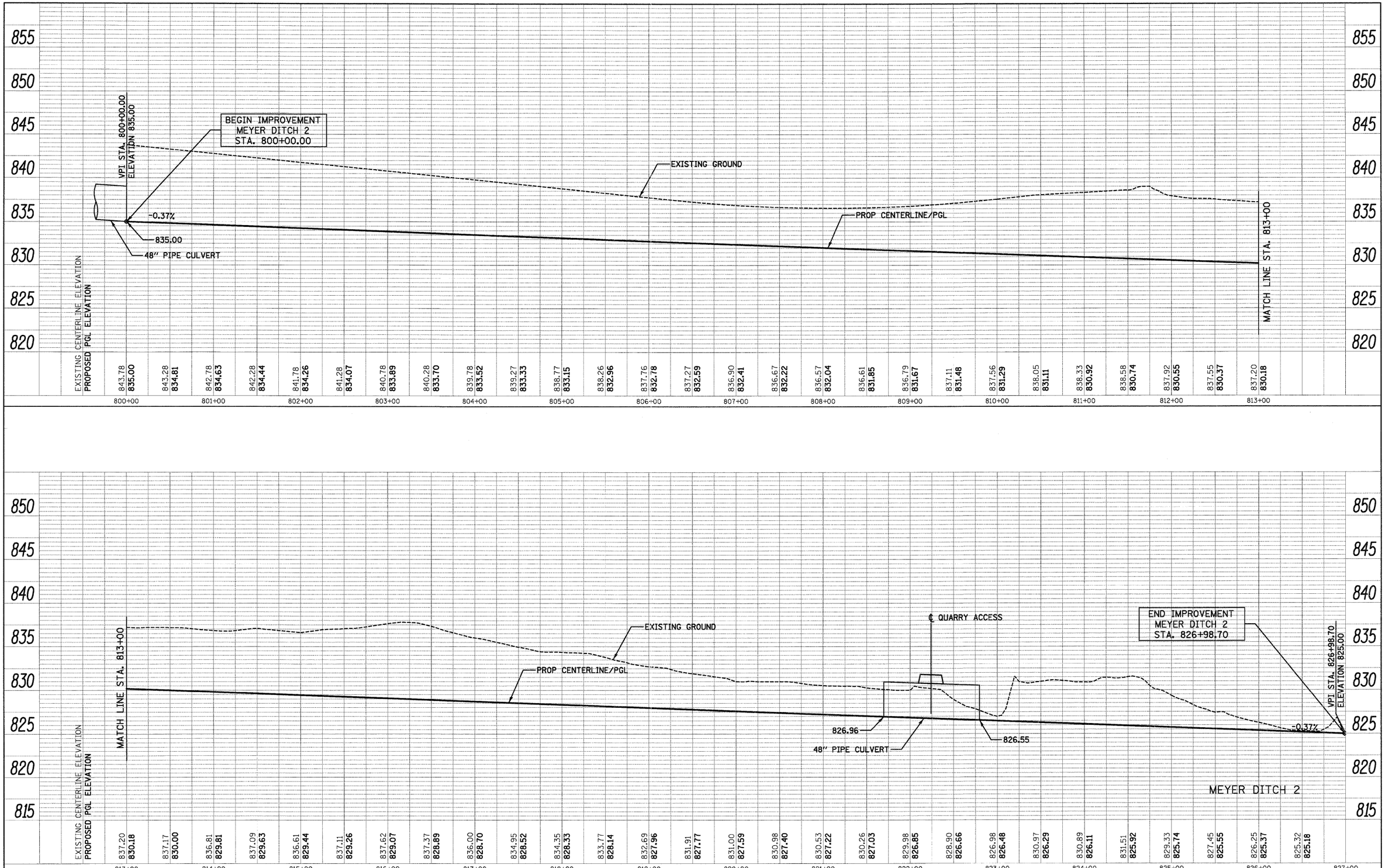
**PROFILES**

SCALE: | SHEET NO. 2 OF 3 SHEETS | STA. 900+00 | TO STA. 907+00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 23 |

CONTRACT NO. 60F78

ILLINOIS FED. AID PROJECT




PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
GRADES CHECKED
R.M. NOTED
STRUCTURE NO'S CHKD
NOTE BOOK
NO.
PAID FILE NAME
BY
DATE




PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
R.M. NOTED
STRUCTURE NO'S CHKD
NOTE BOOK
NO.
BY
DATE

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-prof-03.dgn | USER NAME = ctb | DESIGNED - CTB | REVISED - |
| | | DRAWN - KWH | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**PROFILES**

SCALE: | SHEET NO. 3 OF 3 SHEETS | STA. 800+00 | TO STA. 826+98.70

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 24 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. SEE IDOT STANDARD 280001-06 FOR TEMPORARY EROSION CONTROL SYSTEMS.

2. THE USE OF HAY OR STRAW BALES SHALL NOT BE PERMITTED IN THE IMPLEMENTATION OF TEMPORARY DITCH CHECKS.

3. TEMPORARY DITCH CHECKS WILL BE INSTALLED AFTER GRADING IN THE CHANNEL AND WILL BE REMOVED ONCE THE EROSION CONTROL BLANKET IS INSTALLED.

4. ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL", AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL."

5. THE EROSION CONTROL MEASURES SHOWN ARE A GRAPHICAL REPRESENTATION OF THE MINIMUM REQUIREMENTS. DEVIATIONS FROM THIS PLAN ARE EXPECTED AND ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, THE DESIGNATED APPROVED EROSION CONTROL INSPECTOR, OR THE GOVERNING AGENCY.

6. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

7. ALL TEMPORARY SEDIMENT CONTROLS AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.

8. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

9. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.

10. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT AND THE STORM WATER POLLUTION PREVENTION PLAN.

11. ALL DISTURBED AREAS SHALL BE SEEDED AS SHOWN ON THE LANDSCAPING PLANS AND/OR THE EROSION AND SEDIMENT CONTROL PLANS WITHIN SEVEN (7) DAYS AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED.

12. AREAS THAT HAVE BEEN STRIPPED AND WILL NOT RECEIVE PERMANENT LANDSCAPING BEFORE THE END OF THE FALL SEEDING RESTRICTION SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AND TRIPAM POLYMER.

13. ALL AREAS SHALL BE SEEDED IMMEDIATELY AND COVERED WITH TRIPAM POLYMER AND EROSION CONTROL BLANKET (SPECIAL). THE EROSION CONTROL BLANKET SHALL BE TYPE B (KNITTED STRAW BLANKET). ALL AREAS THAT DO NOT HAVE A COVER OF VEGETATION AND WHERE NO FURTHER WORK IS TO OCCUR FOR ONE (1) WEEK OR MORE SHALL BE SEEDED WITH TEMPORARY EROSION CONTROL SEEDING AND COVERED WITH TRIPAM POLYMER AND EROSION CONTROL BLANKET (SPECIAL) WITHIN SEVEN (7) CALENDAR DAYS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE EROSION CONTROL BLANKET SHALL BE TYPE B (KNITTED STRAW BLANKET).

14. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORM WATER AND SHALL FOLLOW IEPA & IDOT CONSTRUCTION MEMORANDUM NO. 02-60.

15. AT THE END OF EACH WORK DAY, THE SITE SHALL BE GRADED TO MAINTAIN THE DRAINAGE PATTERN ESTABLISHED IN THE EROSION CONTROL PLAN. THIS WORK SHALL BE INCLUDED IN THE COST OF THE EROSION CONTROL ITEMS.

16. PERIMETER EROSION BARRIER SHALL BE PLACED ONE (1) FOOT INSIDE THE RIGHT-OF-WAY LINE AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

17. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES EXCEPT SEDIMENTATION BASINS SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

18. SEDIMENT AND MUD DEPOSITS SHALL BE REMOVED FROM THE ROADWAY IMMEDIATELY BY SHOVELING AND/OR SWEEPING. THIS INCLUDES THE QUARRY ACCESS ROAD AT THE NORTH END OF THE PROJECT, BETWEEN THE PROPOSED R.O.W AND IL RTE 31. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE EROSION CONTROL ITEMS.

19. ANY LOOSE MATERIAL THAT IS DEPOSITED IN THE FLOW LINE OF ANY GUTTER OR DRAINAGE STRUCTURE DURING CONSTRUCTION OPERATIONS SHALL BE REMOVED IMMEDIATELY. THIS INCLUDES THE QUARRY ACCESS ROAD AT THE NORTH END OF THE PROJECT, BETWEEN THE PROPOSED R.O.W AND IL RTE 31. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE EROSION CONTROL ITEMS.

20. ARTICULATED BLOCK REVETMENT MATS SHALL BE USED AS SHOWN ON THE PLANS TO PREVENT SCOURING AND DOWNSTREAM EROSION.

21. EROSION CONTROL MEASURES AROUND PROPOSED INLETS AND CULVERTS SHALL BE CONSTRUCTED AND MAINTAINED IMMEDIATELY AFTER THE DRAINAGE ITEMS ARE CONSTRUCTED.

22. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES.

23. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO THE TEMPORARY SEDIMENT BASINS OR DEWATERING BAGS AS SHOWN ON THE PLANS. DEWATERING DIRECTLY INTO FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED. DEWATERING BAGS SHALL BE PLACED ON STABLE GROUND AND SHALL BE SIZED AND INSTALLED PER THE MANUFACTURER'S RECOMMENDATION.

24. ALL COMPLETED SLOPES SHALL BE SEEDED AND BLANKETED AS THE EXCAVATION PROCEEDS TO THE EXTENT CONSIDERED DESIRABLE AND PRACTICAL. PERMANENT SEEDING SHALL BE USED WHENEVER POSSIBLE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

25. THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING AND EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET.

26. SEDIMENTATION BASINS WILL BE CONSTRUCTED DURING DITCH GRADING.

SEDIMENTATION BASINS SHALL REMAIN IN PLACE AND SHALL BE CLEANED AT THE END OF THE CONTRACT AFTER THE SITE IS STABILIZED. THIS WORK SHALL BE INCLUDED IN THE COST OF "MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS".

27. SLOPE DRAINS SHALL BE CLEANED AFTER THE SITE IS STABILIZED. THIS WORK SHALL BE PAID FOR AS "STORM SEWER TO BE CLEANED."

28. THE ENGINEER AND THE CONTRACTOR SHALL WALK THE PROJECT SITE PRIOR TO THE START OF CONSTRUCTION TO DETERMINE WHERE EROSION CONTROL MEASURES ARE NECESSSARY IN ADDITION TO THOSE SHOWN IN THE PLANS.

29. QUANTITY HAS BEEN INCLUDED FOR STORM SEWER CLEANING OF THE EXISTING STORM SEWER ALONG ALGONQUIN ROAD WITHIN THE EAST AND WEST LIMITS OF THE PROJECT. THE EXISTING STORM SEWERS SHALL BE CLEANED AT THE START OF CONSTRUCTION. THIS WORK SHALL BE PAID FOR AS "STORM SEWERS TO BE CLEANED".

## CONSTRUCTION SEQUENCING

1. INSTALL CHAIN LINK FENCE ALONG ALGONQUIN ROAD.
2. INSTALL SEDIMENT CONTROL DEVICES
   - A. PERIMETER EROSION BARRIER
   - B. INLET FILTERS
   - C. STABILIZED CONSTRUCTION ENTRANCES
   - D. BEGIN EROSION CONTROL MAINTENANCE AND INSPECTIONS
   - E. CLEAN EXISTING STORM SEWER ALONG ALGONQUIN ROAD
3. CLEARING AND GRUBBING
4. MASS EARTHWORK AND SEWER INSTALLATION
   - A. GRADE AND OVER EXCAVATE DETENTION BASIN
   - B. INSTALL DEWATERING AREAS
   - C. INSTALL SEDIMENTATION BASINS
   - D. INSTALL STORM SEWER PIPES AND STRUCTURES
   - E. INLET AND PIPE PROTECTION
   - F. TOPSOIL PLACEMENT
   - G. TEMPORARY EROSION CONTROL SEEDING AND TRIPAM POLYMER
   - H. TEMPORARY DITCH CHECKS
5. VEGETATIVE STABILIZATION
   - A. PERMANENT SEEDING AND TRIPAM POLYMER
   - B. EROSION CONTROL BLANKET (SPECIAL)
6. REMOVE SEDIMENT CONTROL DEVICES WHEN 70% STABILIZED

## MAINTENANCE/INSPECTION PROCEDURES

THE FOLLOWING ARE THE INSPECTION AND MAINTENANCE PROCEDURES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROL:

1. ALL CONTROL MEASURES (EXCEPT "STABILIZED CONSTRUCTION ENTRANCE") WILL BE INSPECTED BY QUALIFIED PERSONNEL AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER (OR EQUIVALENT SNOW MELT). STABILIZED CONSTRUCTION ENTRANCES WILL BE INSPECTED DAILY.

2. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

3. BUILT-UP SEDIMENT WILL BE REMOVED FROM ALL SEDIMENT CONTROL DEVICES WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE FENCE. THIS SEDIMENT SHALL BE RESPREAD AND VEGETATED.

4. PERIMETER EROSION BARRIER WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.

5. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION AND SHALL BE KEPT ONSITE.

6. THE SITE SUPERINTENDANT WILL SELECT THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.

7. PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY OPERATIONS, IN ALL INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON-SITE IN GOOD WORKING ORDER.

8. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.

9. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN THE PLAN AND POLLUTION PREVENTION MEASURES IDENTIFIED IN THE PLAN SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. SUCH MODIFICATIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE PLAN WITH SEVEN (7) CALENDAR DAYS FOLLOWING THE INSPECTION.

10. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF INSPECTION.

11. THE PERMITTEE SHALL COMPLETE AND SUBMIT WITHIN FIVE DAYS AN INCIDENCE OF NON-COMPLIANCE (ION) REPORT FOR ANY VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN OBSERVED DURING AN INSPECTION CONDUCTED, INCLUDING THOSE NOT REQUIRED BY THE PLAN. SUBMISSION SHALL BE ON FORMS PROVIDED BY THE AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NON-COMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NON-COMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NON-COMPLIANCE.

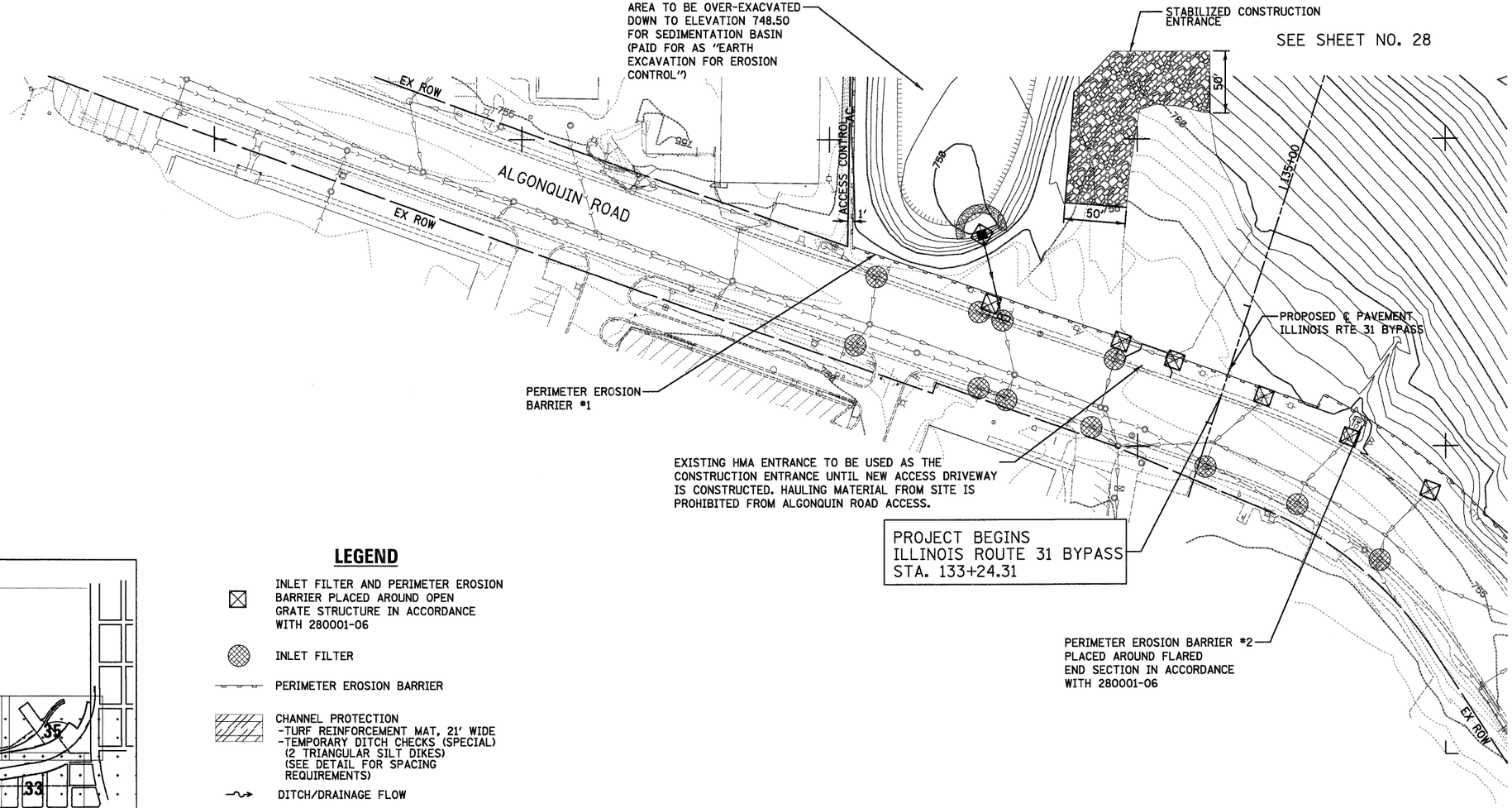
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| | PLOT DATE = 1/18/2012 | DATE 1/20/2012 | REVISED - |

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

**EROSION AND SEDIMENT CONTROL GENERAL NOTES**

SCALE: NONE | SHEET NO. 1 OF 12 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 25 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |







**KEY MAP**

## LEGEND

- INLET FILTER AND PERIMETER EROSION BARRIER PLACED AROUND OPEN GRATE STRUCTURE IN ACCORDANCE WITH 280001-06
- INLET FILTER
- PERIMETER EROSION BARRIER
- CHANNEL PROTECTION
  - -TURF REINFORCEMENT MAT, 21' WIDE
  - -TEMPORARY DITCH CHECKS (SPECIAL) (2 TRIANGULAR SILT DIKES) (SEE DETAIL FOR SPACING REQUIREMENTS)
- DITCH/DRAINAGE FLOW
- STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL)
- CULVERT INLET PROTECTION-ROCK BARRIER (SEE DETAIL)
- ARTICULATED BLOCK REVETMENT MAT (SEE DRAINAGE PLANS)
- TEMPORARY DEWATERING AREA
- SEDIMENTATION BASIN (SEE DETAIL)

NOTES

1. USE IDOT STANDARD 280001-06 FOR TYPICAL TEMPORARY EROSION CONTROL SYSTEMS.
2. SEE SHEETS 25 AND 36 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
3. SEE LANDSCAPING SHEETS FOR PERMANENT SEEDING.

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

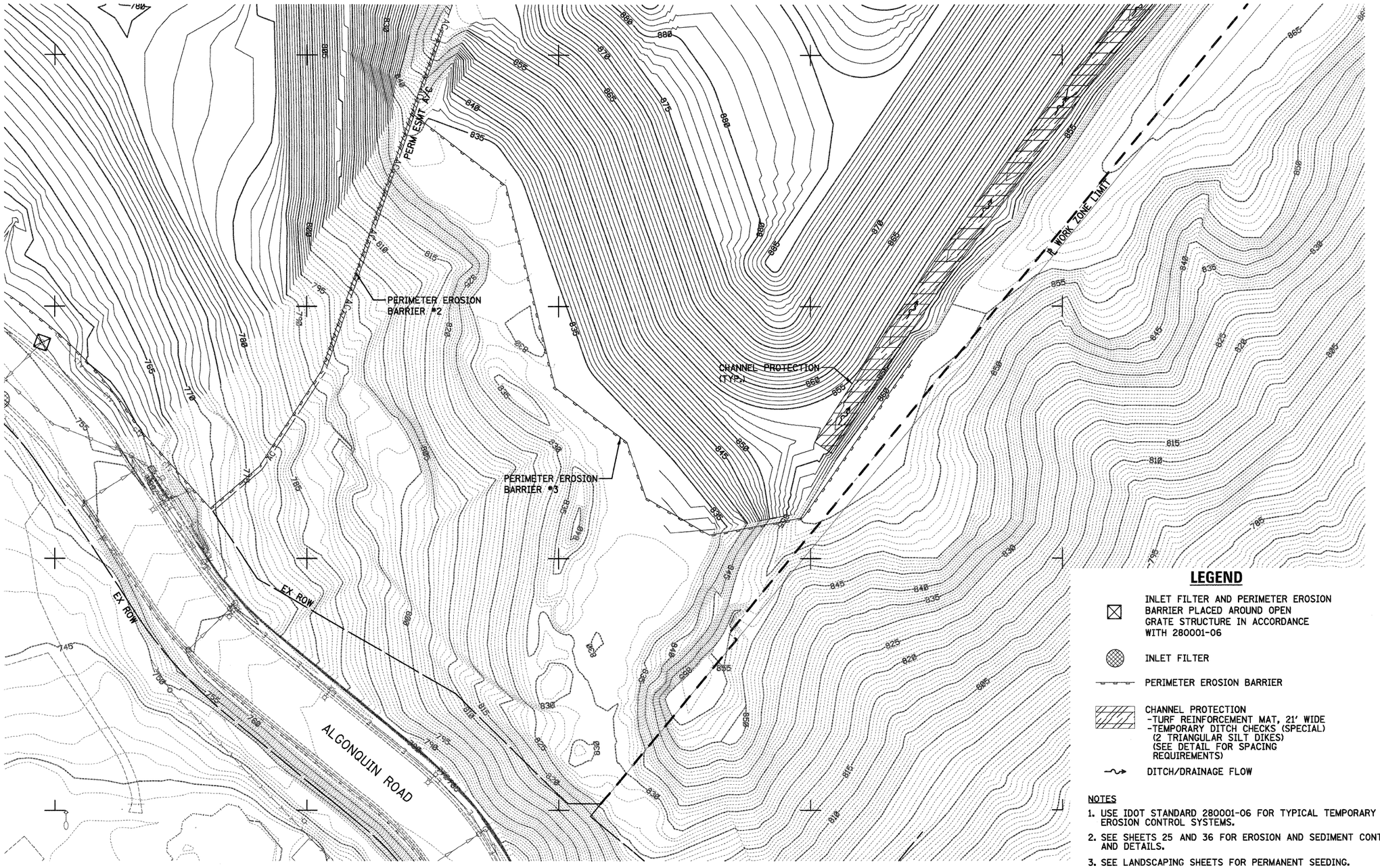
**EROSION AND SEDIMENT CONTROL PLANS**

SCALE: 1" = 50' | SHEET NO. 2 OF 12 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 26 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

SEE SHEET NO. 29

SEE SHEET NO. 26




## LEGEND

- INLET FILTER AND PERIMETER EROSION BARRIER PLACED AROUND OPEN GRATE STRUCTURE IN ACCORDANCE WITH 280001-06
- INLET FILTER
- PERIMETER EROSION BARRIER
- CHANNEL PROTECTION
  - -TURF REINFORCEMENT MAT, 21' WIDE
  - -TEMPORARY DITCH CHECKS (SPECIAL) (2 TRIANGULAR SILT DIKES) (SEE DETAIL FOR SPACING REQUIREMENTS)
- DITCH/DRAINAGE FLOW

NOTES

1. USE IDOT STANDARD 280001-06 FOR TYPICAL TEMPORARY EROSION CONTROL SYSTEMS.
2. SEE SHEETS 25 AND 36 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
3. SEE LANDSCAPING SHEETS FOR PERMANENT SEEDING.

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

**EROSION AND SEDIMENT CONTROL PLANS**

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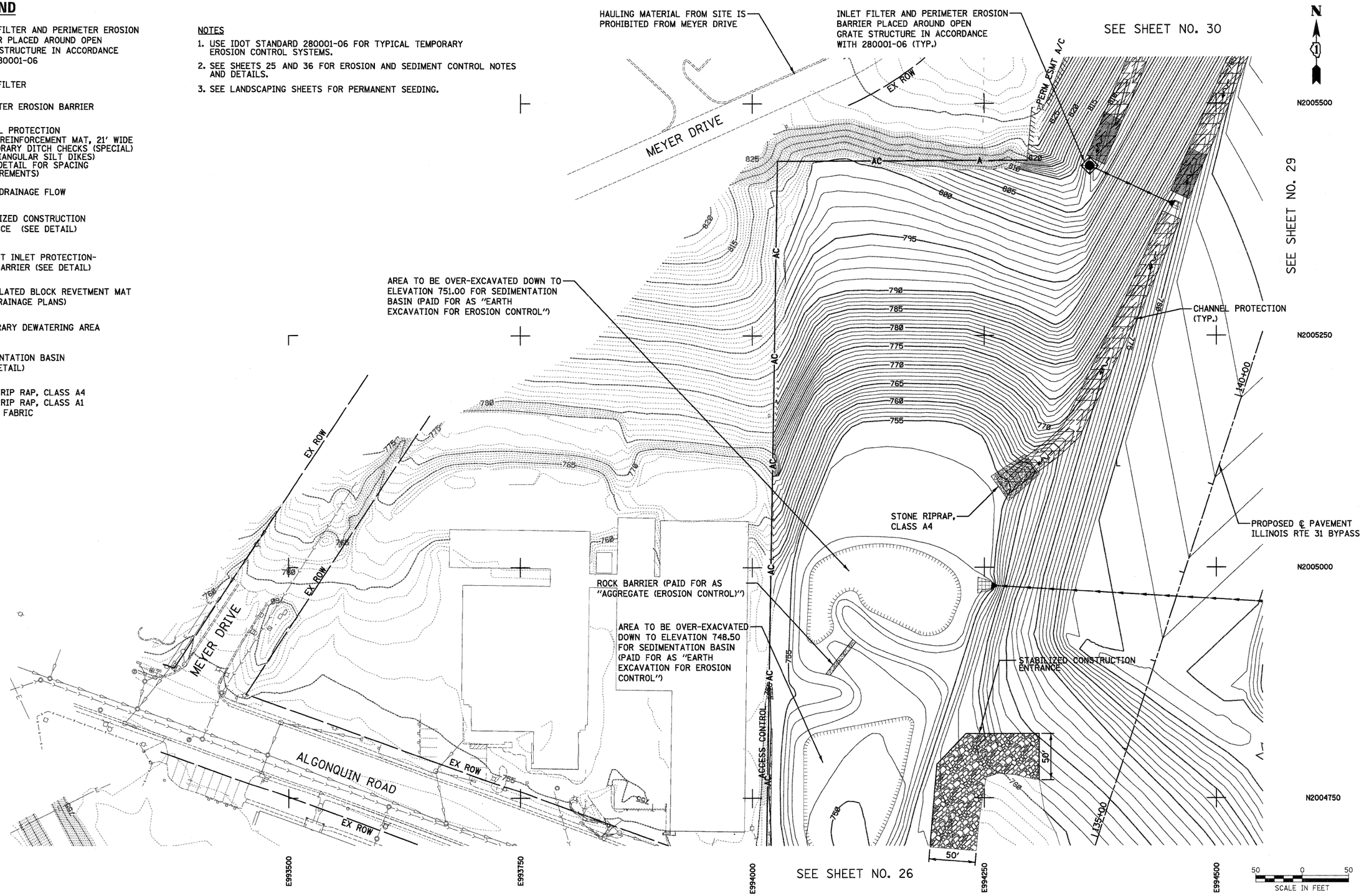
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 27 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## LEGEND

- INLET FILTER AND PERIMETER EROSION BARRIER PLACED AROUND OPEN GRATE STRUCTURE IN ACCORDANCE WITH 280001-06
- INLET FILTER
- PERIMETER EROSION BARRIER
- CHANNEL PROTECTION
  -TURF REINFORCEMENT MAT, 21' WIDE
  -TEMPORARY DITCH CHECKS (SPECIAL) (2 TRIANGULAR SILT DIKES) (SEE DETAIL FOR SPACING REQUIREMENTS)
- DITCH/DRAINAGE FLOW
- STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL)
- CULVERT INLET PROTECTION-ROCK BARRIER (SEE DETAIL)
- ARTICULATED BLOCK REVETMENT MAT (SEE DRAINAGE PLANS)
- TEMPORARY DEWATERING AREA
- SEDIMENTATION BASIN (SEE DETAIL)
- STONE RIP RAP, CLASS A4
  STONE RIP RAP, CLASS A1
  FILTER FABRIC

NOTES

1. USE IDOT STANDARD 280001-06 FOR TYPICAL TEMPORARY EROSION CONTROL SYSTEMS.
2. SEE SHEETS 25 AND 36 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
3. SEE LANDSCAPING SHEETS FOR PERMANENT SEEDING.




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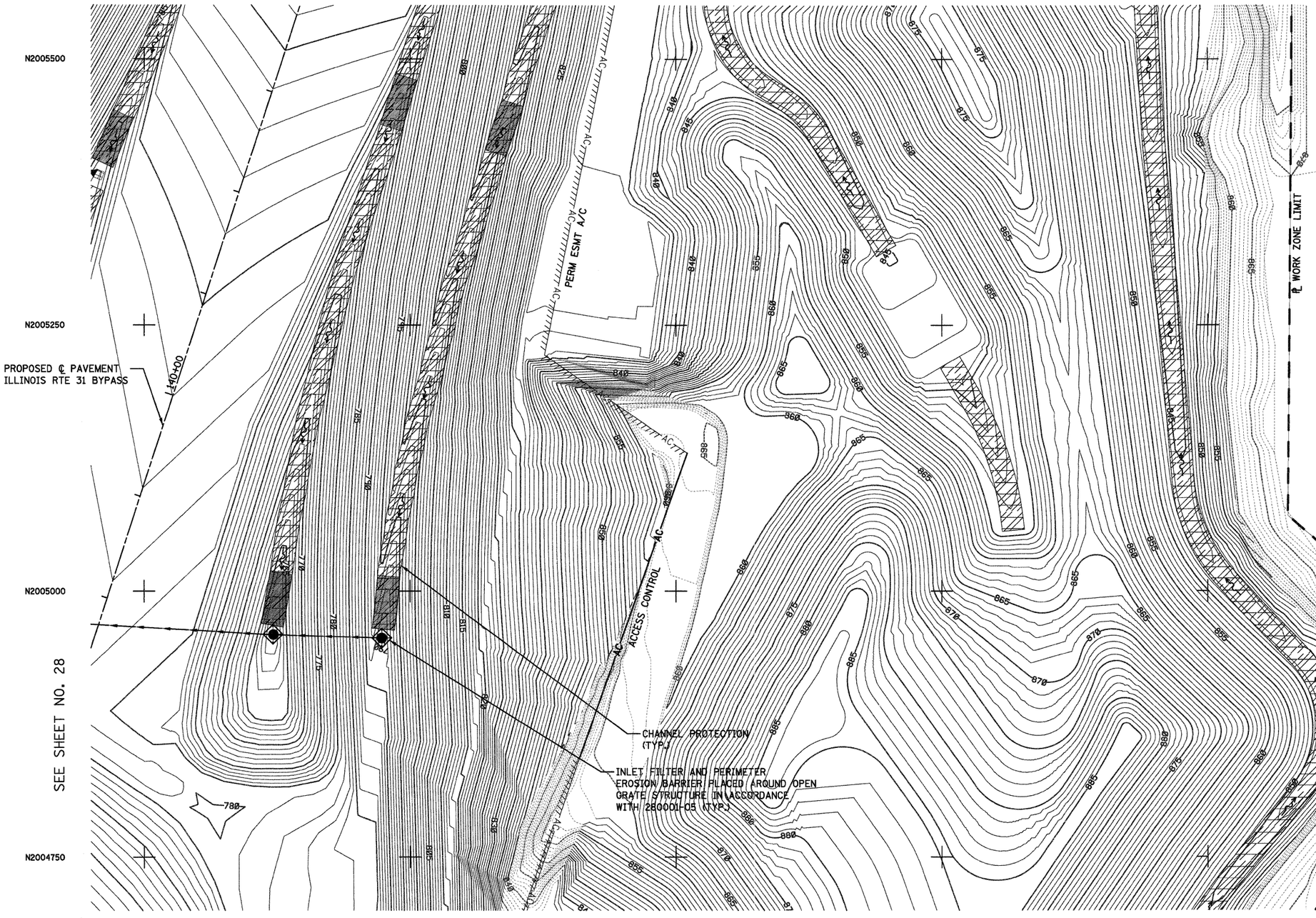
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLANS**

SCALE: 1" = 50' | SHEET NO. 4 OF 12 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 28 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

SEE SHEET NO. 31




N

## LEGEND

- INLET FILTER AND PERIMETER EROSION BARRIER PLACED AROUND OPEN GRATE STRUCTURE IN ACCORDANCE WITH 280001-06
- INLET FILTER
- PERIMETER EROSION BARRIER
- CHANNEL PROTECTION
  -TURF REINFORCEMENT MAT, 21' WIDE
  -TEMPORARY DITCH CHECKS (SPECIAL)
  (2 TRIANGULAR SILT DIKES)
  (SEE DETAIL FOR SPACING REQUIREMENTS)
- DITCH/DRAINAGE FLOW
- ARTICULATED BLOCK REVETMENT MAT (SEE DRAINAGE PLANS)
- SEDIMENTATION BASIN (SEE DETAIL)

NOTES

1. USE IDOT STANDARD 280001-06 FOR TYPICAL TEMPORARY EROSION CONTROL SYSTEMS.
2. SEE SHEETS 25 AND 36 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
3. SEE LANDSCAPING SHEETS FOR PERMANENT SEEDING.

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| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**EROSION AND SEDIMENT CONTROL PLANS**

SCALE: 1" = 50' | SHEET NO. 5 OF 12 SHEETS | STA. | TO STA.

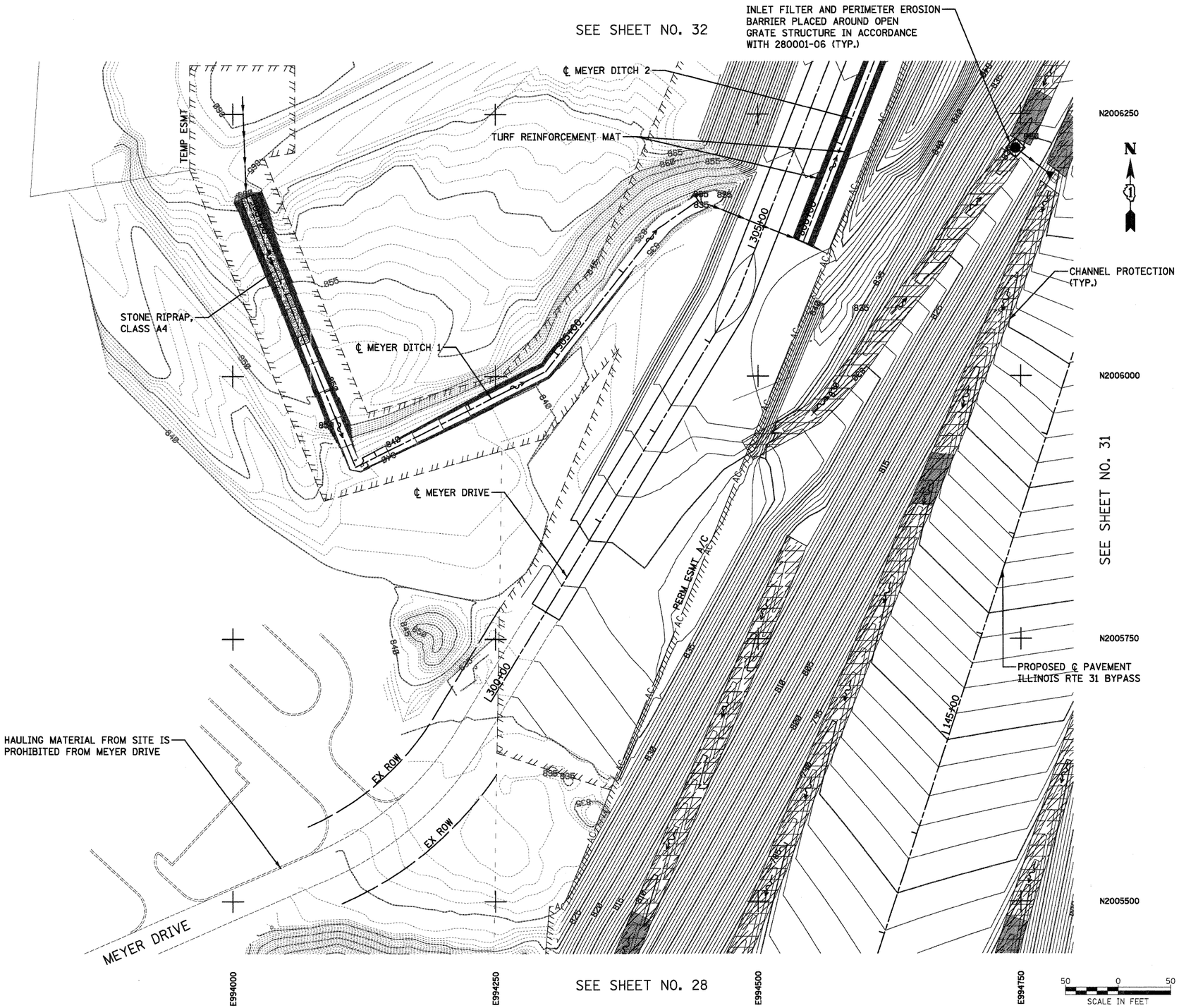
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 29 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## LEGEND

- INLET FILTER AND PERIMETER EROSION BARRIER PLACED AROUND OPEN GRATE STRUCTURE IN ACCORDANCE WITH 280001-06
- INLET FILTER
- PERIMETER EROSION BARRIER
- CHANNEL PROTECTION
  -TURF REINFORCEMENT MAT, 21' WIDE
  -TEMPORARY DITCH CHECKS (SPECIAL) (2 TRIANGULAR SILT DIKES) (SEE DETAIL FOR SPACING REQUIREMENTS)
- DITCH/DRAINAGE FLOW
- TURF REINFORCEMENT MAT, TO BE PLACED ONLY ALONG SIDE SLOPES
- ARTICULATED BLOCK REVETMENT MAT (SEE DRAINAGE PLANS)
- SEDIMENTATION BASIN (SEE DETAIL)
- STONE RIP RAP, CLASS A4
  STONE RIP RAP, CLASS A1
  FILTER FABRIC

NOTES

1. USE IDOT STANDARD 280001-06 FOR TYPICAL TEMPORARY EROSION CONTROL SYSTEMS.
2. SEE SHEETS 25 AND 36 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
3. SEE LANDSCAPING SHEETS FOR PERMANENT SEEDING.




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

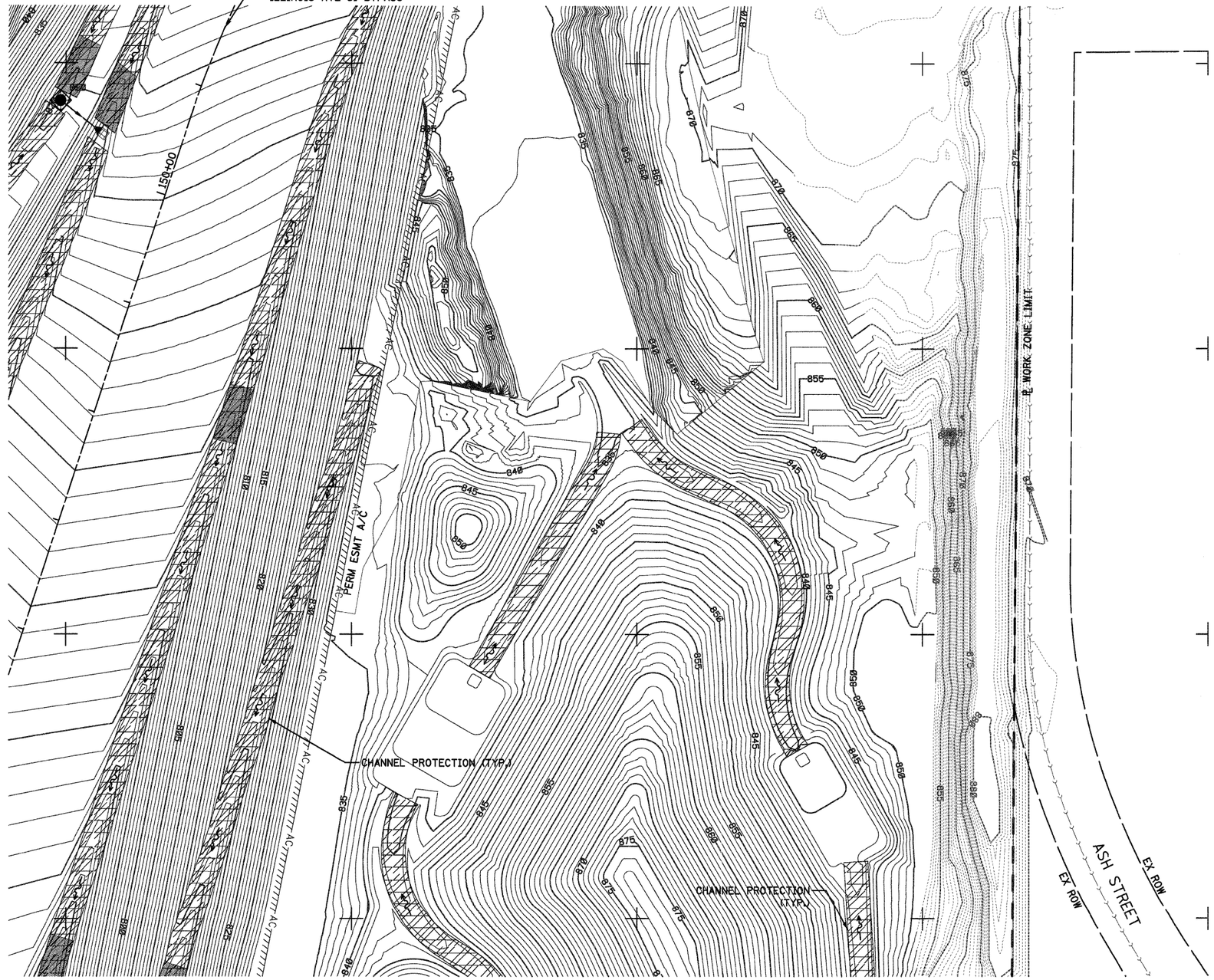
**EROSION AND SEDIMENT CONTROL PLANS**

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| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 30 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

SEE SHEET NO. 33

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS




SEE SHEET NO. 29

N

## LEGEND

- INLET FILTER AND PERIMETER EROSION BARRIER PLACED AROUND OPEN GRATE STRUCTURE IN ACCORDANCE WITH 280001-06
- INLET FILTER
- PERIMETER EROSION BARRIER
- CHANNEL PROTECTION
  -TURF REINFORCEMENT MAT, 21' WIDE
  -TEMPORARY DITCH CHECKS (SPECIAL) (2 TRIANGULAR SILT DIKES) (SEE DETAIL FOR SPACING REQUIREMENTS)
- DITCH/DRAINAGE FLOW
- ARTICULATED BLOCK REVETMENT MAT (SEE DRAINAGE PLANS)
- SEDIMENTATION BASIN (SEE DETAIL)

NOTES

1. USE IDOT STANDARD 280001-06 FOR TYPICAL TEMPORARY EROSION CONTROL SYSTEMS.
2. SEE SHEETS 25 AND 36 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
3. SEE LANDSCAPING SHEETS FOR PERMANENT SEEDING.

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| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**EROSION AND SEDIMENT CONTROL PLANS**

SCALE: 1" = 50' | SHEET NO. 7 OF 12 SHEETS | STA. | TO STA.

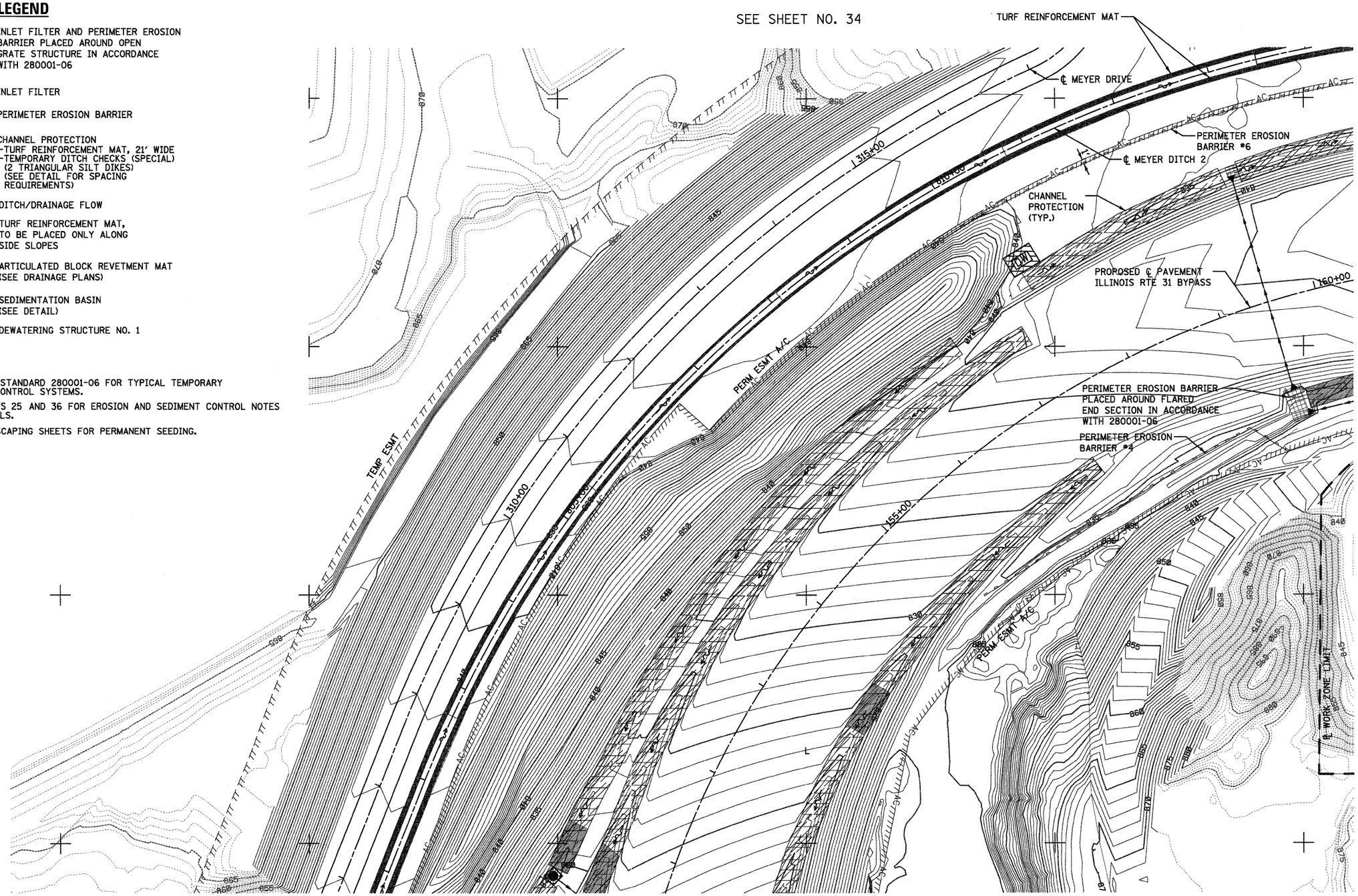
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|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 31 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## LEGEND

- INLET FILTER AND PERIMETER EROSION BARRIER PLACED AROUND OPEN GRATE STRUCTURE IN ACCORDANCE WITH 280001-06
- INLET FILTER
- PERIMETER EROSION BARRIER
- CHANNEL PROTECTION
  -TURF REINFORCEMENT MAT, 21' WIDE
  -TEMPORARY DITCH CHECKS (SPECIAL) (2 TRIANGULAR SILT DIKES) (SEE DETAIL FOR SPACING REQUIREMENTS)
- DITCH/DRAINAGE FLOW
- TURF REINFORCEMENT MAT, TO BE PLACED ONLY ALONG SIDE SLOPES
- ARTICULATED BLOCK REVETMENT MAT (SEE DRAINAGE PLANS)
- SEDIMENTATION BASIN (SEE DETAIL)
- DEWATERING STRUCTURE NO. 1

NOTES

1. USE IDOT STANDARD 280001-06 FOR TYPICAL TEMPORARY EROSION CONTROL SYSTEMS.
2. SEE SHEETS 25 AND 36 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
3. SEE LANDSCAPING SHEETS FOR PERMANENT SEEDING.



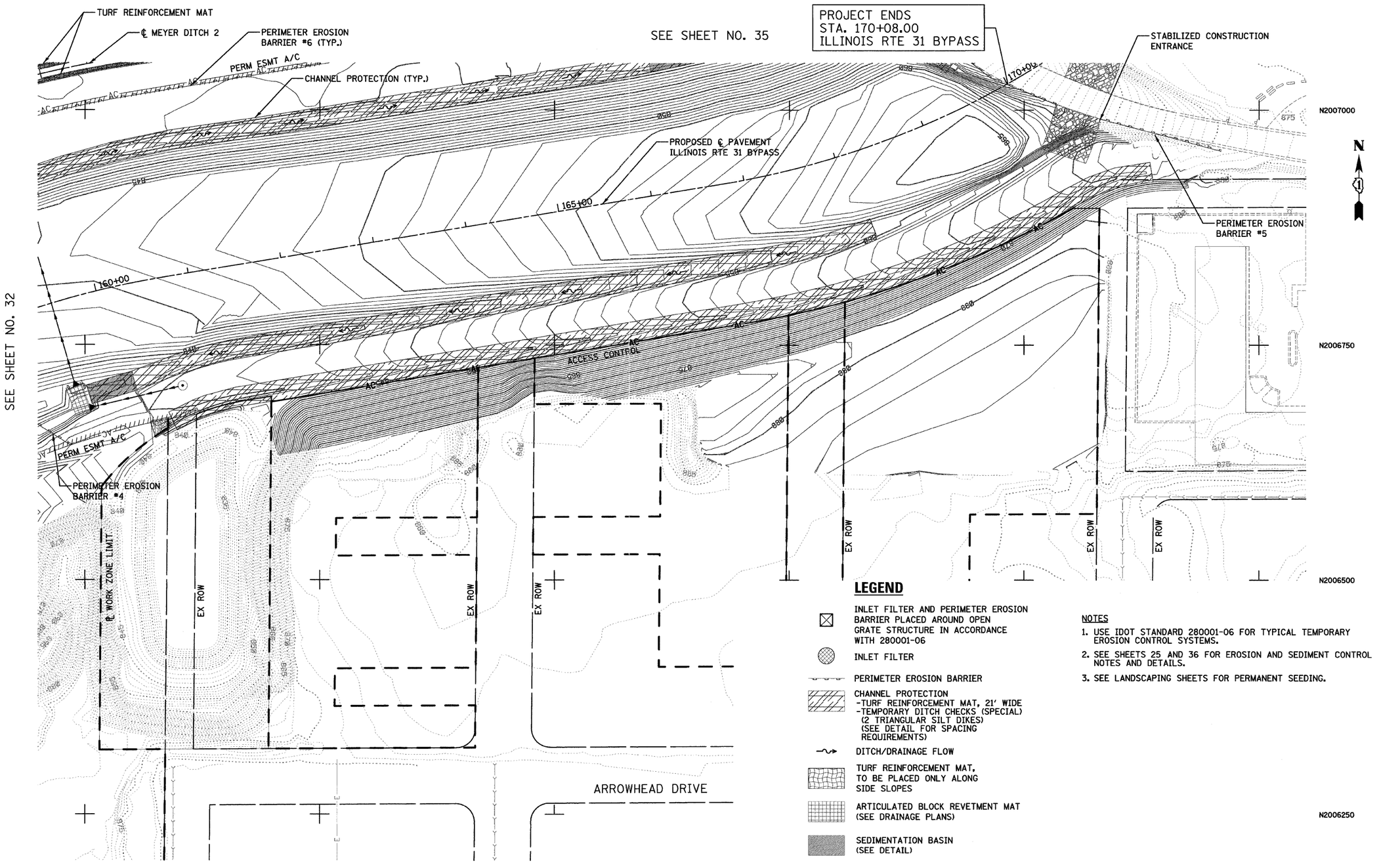

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**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLANS**

SCALE: 1" = 50' | SHEET NO. 8 OF 12 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 32 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |




## LEGEND

- INLET FILTER AND PERIMETER EROSION BARRIER PLACED AROUND OPEN GRATE STRUCTURE IN ACCORDANCE WITH 280001-06
- INLET FILTER
- PERIMETER EROSION BARRIER
- CHANNEL PROTECTION
  - -TURF REINFORCEMENT MAT, 21' WIDE
  - -TEMPORARY DITCH CHECKS (SPECIAL) (2 TRIANGULAR SILT DIKES) (SEE DETAIL FOR SPACING REQUIREMENTS)
- DITCH/DRAINAGE FLOW
- TURF REINFORCEMENT MAT, TO BE PLACED ONLY ALONG SIDE SLOPES
- ARTICULATED BLOCK REVETMENT MAT (SEE DRAINAGE PLANS)
- SEDIMENTATION BASIN (SEE DETAIL)
- STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL)
- STONE RIP RAP, CLASS A4
  STONE RIP RAP, CLASS A1
  FILTER FABRIC

NOTES

1. USE IDOT STANDARD 280001-06 FOR TYPICAL TEMPORARY EROSION CONTROL SYSTEMS.
2. SEE SHEETS 25 AND 36 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
3. SEE LANDSCAPING SHEETS FOR PERMANENT SEEDING.

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

**EROSION AND SEDIMENT CONTROL PLANS**

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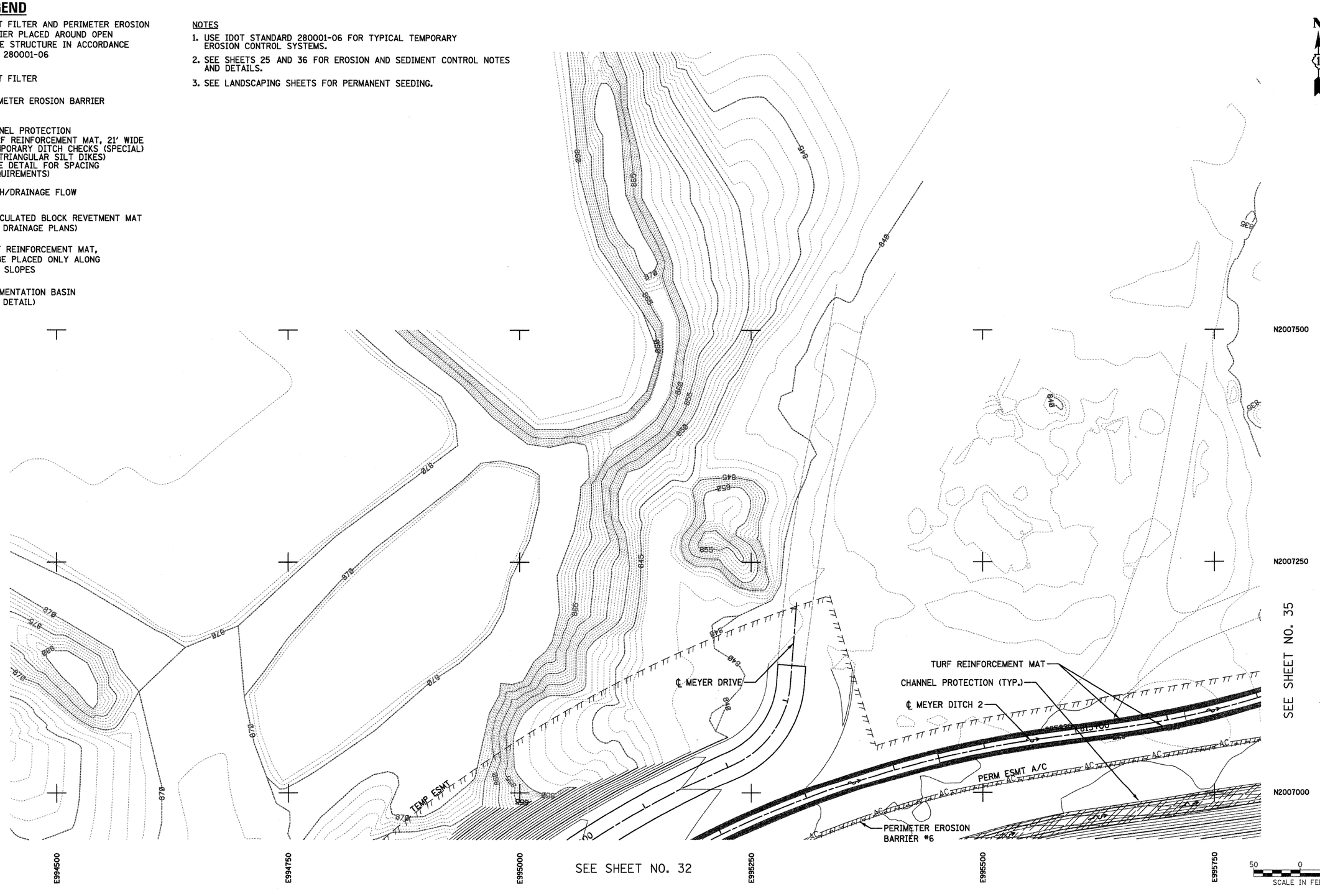
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 33 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## LEGEND

- INLET FILTER AND PERIMETER EROSION BARRIER PLACED AROUND OPEN GRATE STRUCTURE IN ACCORDANCE WITH 280001-06
- INLET FILTER
- PERIMETER EROSION BARRIER
- CHANNEL PROTECTION
  -TURF REINFORCEMENT MAT, 21' WIDE
  -TEMPORARY DITCH CHECKS (SPECIAL) (2 TRIANGULAR SILT DIKES) (SEE DETAIL FOR SPACING REQUIREMENTS)
- DITCH/DRAINAGE FLOW
- ARTICULATED BLOCK REVETMENT MAT (SEE DRAINAGE PLANS)
- TURF REINFORCEMENT MAT, TO BE PLACED ONLY ALONG SIDE SLOPES
- SEDIMENTATION BASIN (SEE DETAIL)

NOTES

1. USE IDOT STANDARD 280001-06 FOR TYPICAL TEMPORARY EROSION CONTROL SYSTEMS.
2. SEE SHEETS 25 AND 36 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
3. SEE LANDSCAPING SHEETS FOR PERMANENT SEEDING.




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| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**EROSION AND SEDIMENT CONTROL PLANS**

SCALE: 1" = 50' | SHEET NO. 10 OF 12 SHEETS | STA. | TO STA.

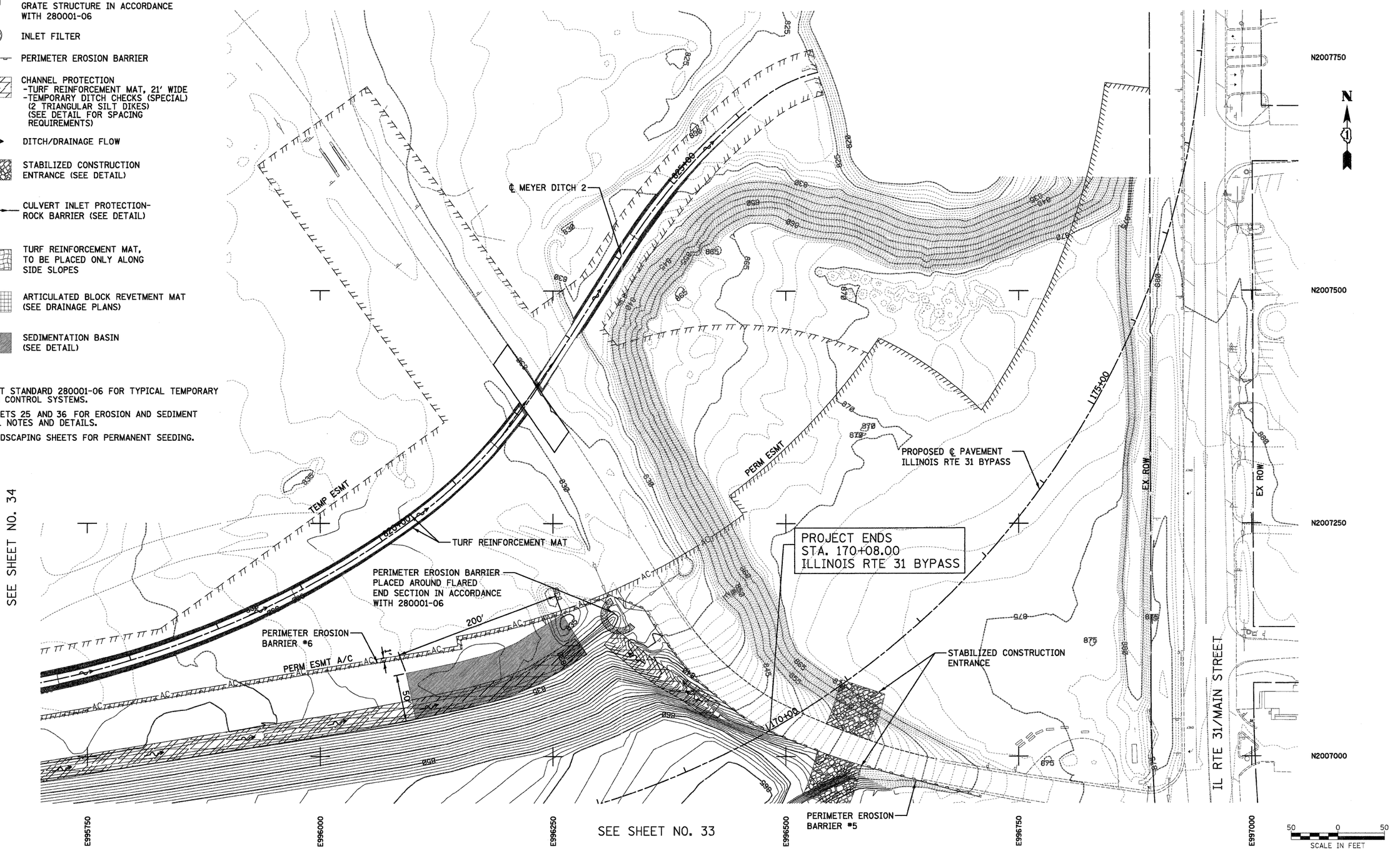
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|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 34 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## LEGEND

- INLET FILTER AND PERIMETER EROSION BARRIER PLACED AROUND OPEN GRATE STRUCTURE IN ACCORDANCE WITH 280001-06
- INLET FILTER
- PERIMETER EROSION BARRIER
- CHANNEL PROTECTION
  -TURF REINFORCEMENT MAT, 21' WIDE
  -TEMPORARY DITCH CHECKS (SPECIAL) (2 TRIANGULAR SILT DIKES) (SEE DETAIL FOR SPACING REQUIREMENTS)
- DITCH/DRAINAGE FLOW
- STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL)
- CULVERT INLET PROTECTION- ROCK BARRIER (SEE DETAIL)
- TURF REINFORCEMENT MAT, TO BE PLACED ONLY ALONG SIDE SLOPES
- ARTICULATED BLOCK REVETMENT MAT (SEE DRAINAGE PLANS)
- SEDIMENTATION BASIN (SEE DETAIL)

NOTES

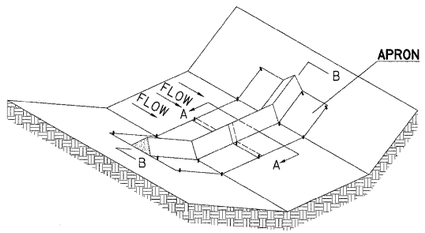
1. USE IDOT STANDARD 280001-06 FOR TYPICAL TEMPORARY EROSION CONTROL SYSTEMS.
2. SEE SHEETS 25 AND 36 FOR EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
3. SEE LANDSCAPING SHEETS FOR PERMANENT SEEDING.



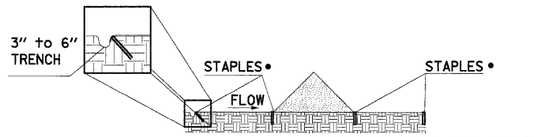

| | | | | | |
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| FILE NAME = ...\D160F78-sht-eros-10.dgn | USER NAME = otb | DESIGNED - DTE | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EROSION AND SEDIMENT CONTROL PLANS |
| | | DRAWN - DTE | REVISED - | | |
| | PLOT SCALE = 600.2000 ' / ft. | CHECKED - GAB | REVISED - | | SCALE: 1" = 50' SHEET NO. 11 OF 12 SHEETS STA. TO STA. |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 35 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## TEMPORARY DITCH CHECKS (SPECIAL) (TRIANGULAR SILT DIKE)

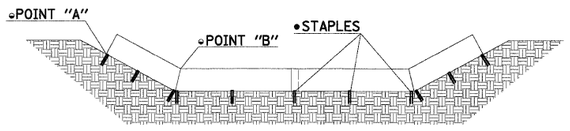



SILT DIKE UNIT
CUT SECTION




• STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE 7' UNIT AS SHOWN ONTHE DIAGRAMS

DETAIL A-A

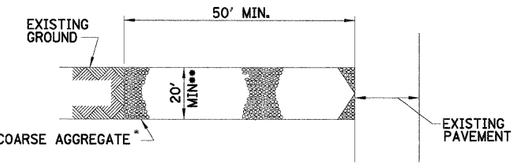



• POINT "A" MUST BE HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUNT THE ENDS.

DIKE SECTION
DETAIL B-B

NOTES:

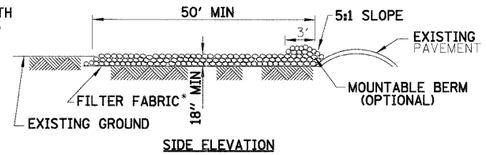
1. SPACING SHALL HAVE 1 DIKE PER VERTICAL FOOT DROP
2. TEMPORARY DITCH CHECK SHALL BE LIMITED TO TRIANGULAR SILT DIKES OR AN APPROVED EQUAL.
3. THE INSTALLATION SHOWN ABOVE SHALL BE PAID FOR AS 2 EACH.




PLAN VIEW

• PAID FOR AS "STABILIZED CONSTRUCTION ENTRANCE".

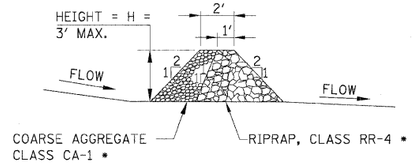
•• MUST EXTEND FULL WIDTH OF INGRESS AND EGRESS OPERATION.




SIDE ELEVATION

## STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE




CENTERLINE CROSS SECTION

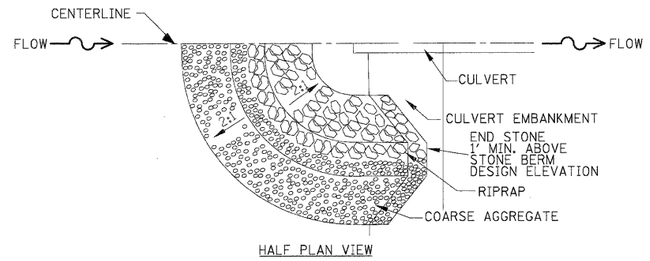
• PAID FOR AS "AGGREGATE (EROSION CONTROL)"

## ROCK BARRIER

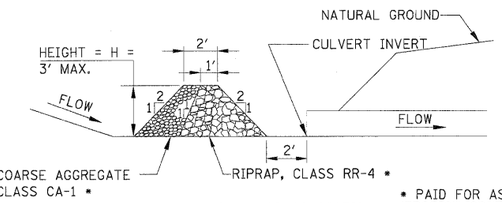
NOT TO SCALE

NOTES:

1. RIPRAP SHALL CONSIST OF A WELL-GRADED MIXTURE OF ROCK. LARGE ROCK SHALL PREDOMINATE WITH SUFFICIENT SMALLER SIZES TO FILL VOIDS BETWEEN ROCK LAYERS. THE DIAMETER OF LARGEST ROCK SIZE SHALL NOT BE GREATER THAN 1.5 TIMES THE $d_{50}$ SIZE.
2. MAINTENANCE AND ADJUSTEMENT OF ROCK SHALL BE INCLUDED IN THE COST OF MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS.




HALF PLAN VIEW




CENTERLINE CROSS SECTION

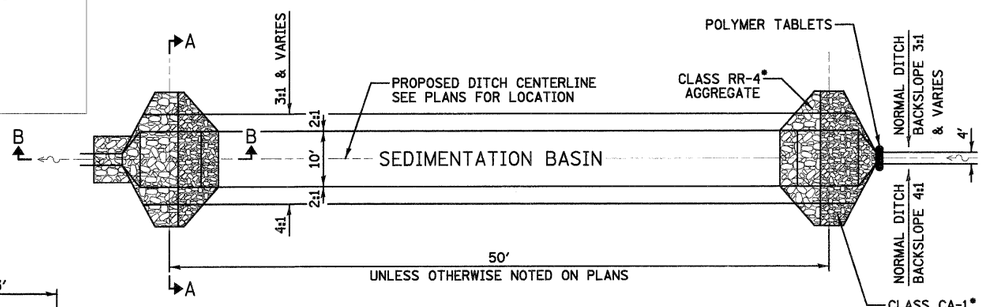
• PAID FOR AS "AGGREGATE (EROSION CONTROL)"

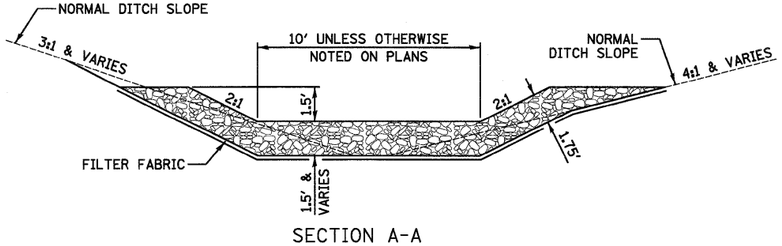
## CULVERT INLET PROTECTION – ROCK BARRIER

NOT TO SCALE

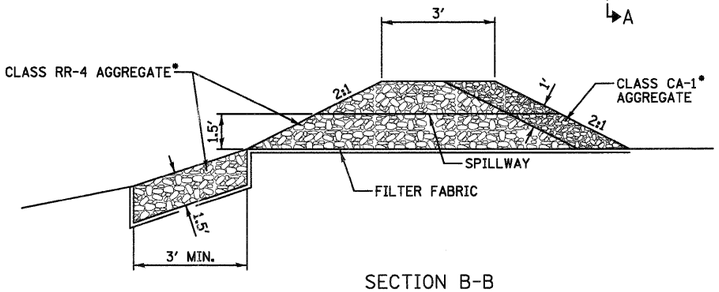
NOTES:

1. STONE BERM SHALL BE A HORSESHOE SHAPE AROUND UPSTREAM CULVERT INLET END.
2. RIPRAP SHALL CONSIST OF A WELL-GRADED MIXTURE OF ROCK. LARGE ROCK SHALL PREDOMINATE WITH SUFFICIENT SMALLER SIZES TO FILL VOIDS BETWEEN ROCK LAYERS. THE DIAMETER OF LARGEST ROCK SIZE SHALL NOT BE GREATER THAN 1.5 TIMES THE $d_{50}$ SIZE.
3. MAINTENANCE AND ADJUSTEMENT OF ROCK SHALL BE INCLUDED IN THE COST OF MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS.




SECTION A-A




SECTION B-B

THE UNIT WEIGHT USED TO CALCULATE RR-4 STONE IS 150 POUNDS/CU FT.

THE UNIT WEIGHT USED TO CALCULATE CA-1 AGGREGATE IS 150 POUNDS/CU FT.

## SEDIMENTATION BASIN DETAIL

•PAID FOR AS "AGGREGATE (EROSION CONTROL)".

| | | | |
|---|---|---|---|
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| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - RJD | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**EROSION AND SEDIMENT CONTROL DETAILS**

SCALE: NONE | SHEET NO. 12 OF 12 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 36 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

# DRAINAGE GENERAL NOTES

1. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND APPLICABLE ARTICLES INCLUDED IN THE "STANDARD SPECIFICATIONS" INCLUDING, BUT NOT LIMITED TO, 105.07 AND 107.31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING LOCAL AGENCIES MAINTAINING SANITARY SEWERS AND WATER MAINS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT OR RELOCATION OF THEIR FACILITIES, IF NECESSARY.

3. UNLESS OTHERWISE NOTED, ALL STRUCTURES ARE DIMENSIONED FROM THE PROPOSED PAVEMENT CENTERLINE OF IL ROUTE 31 TO THE CENTER OF THE STRUCTURE. FOR FLARED END SECTIONS THE LOCATION AND ELEVATION ARE GIVEN TO THE CENTER OF THE INLET OR OUTLET END.

4. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROPRIATE OVERALL HEIGHT OF THE STRUCTURE. THE ADJUSTMENT OF FRAMES ON ALL NEW STRUCTURES TO THE FINAL ELEVATION SHALL BE INCLUDED IN THE COST OF THE NEW STRUCTURE.

5. THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER OR DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STORM SEWER BEING CONNECTED.

6. ALL ABANDONED PIPE AND STRUCTURE INVERTS SHALL BE PLUGGED WITH BRICK AND MORTAR TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER ITEMS BEING REMOVED.

7. THE CONTRACTOR SHALL MAINTAIN FLOWS THROUGH EXISTING SEWER SYSTEMS AT ALL TIMES. THE EXISTING STRUCTURES SHALL BE INSPECTED BY THE CONTRACTOR BEFORE CONSTRUCTION STARTS. ANY ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE.

8. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR STRUCTURES. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS, AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET. HE SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE STORM SEWER ITEMS.

9. THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR DEWATERING TRENCH EXCAVATIONS AS WELL AS SHORING TRENCH WALLS DURING STORM SEWER INSTALLATIONS. COMPLIANCE WITH THE ABOVE WILL BE INCLUDED IN THE COST OF STORM SEWER INSTALLATIONS.

10. THE REMOVAL OF END SECTIONS SHALL BE PAID FOR AS "STORM SEWER REMOVAL".

11. THE CONTRACTOR SHALL CONFIRM ALL EXISTING STORM SEWER PIPE SIZES AND INVERTS PRIOR TO ORDERING STRUCTURES. ANY MODIFICATION OF STRUCTURES DUE TO THE FAILURE OF THE CONTRACTOR TO PERFORM THIS TASK SHALL BE AT THE CONTRACTOR'S EXPENSE AND MAY LEAD TO THE REJECTION OF THE STRUCTURE IN THE FIELD.

12. ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED. THE RINGS SHALL BE INCLUDED IN THE COST OF THE STRUCTURE TO BE ADJUSTED OR RECONSTRUCTED.

13. THE CONTRACTOR SHALL DETERMINE WHEN FLAT SLAB TOPS ARE REQUIRED ON MANHOLES AND CATCH BASINS. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE USE OF FLAT SLAB TOPS. FOR STRUCTURES HAVING TYPE 8 GRATES OR SPECIAL FRAME & GRATES, A 24-INCH INSIDE DIAMETER BY 4-INCH (MINIMUM) HIGH RISER SHALL BE INSTALLED ON THE FLAT SLAB TO PROVIDE EARTH COVER OVER THE SLAB FOR VEGETATION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE STRUCTURE REQUIRING THE FLAT SLAB TOP.

14. DURING CONSTRUCTION, IF THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS, UNDERDRAINS OR FIELD DRAINS WITHIN THE RIGHT-OF-WAY OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF THE NON-COMPLIANCE WITH THIS NOTE SHALL BE REPLACED AT THE CONTRACTOR'S OWN EXPENSE. SHOULD THE ENGINEER HAVE DIRECTED THE REPLACEMENT OF A FACILITY, THE NECESSARY WORK AND PAYMENT SHALL BE IN ACCORDANCE WITH SECTIONS 550 AND 601, AND ARTICLE 104.02 OF THE STANDARD SPECIFICATIONS.

15. TOP OF FRAME ("RIM") ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF EACH STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATIONS OF THE AREAS IN WHICH THEY ARE LOCATED, AS PART OF THE STRUCTURE COST.

16. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.

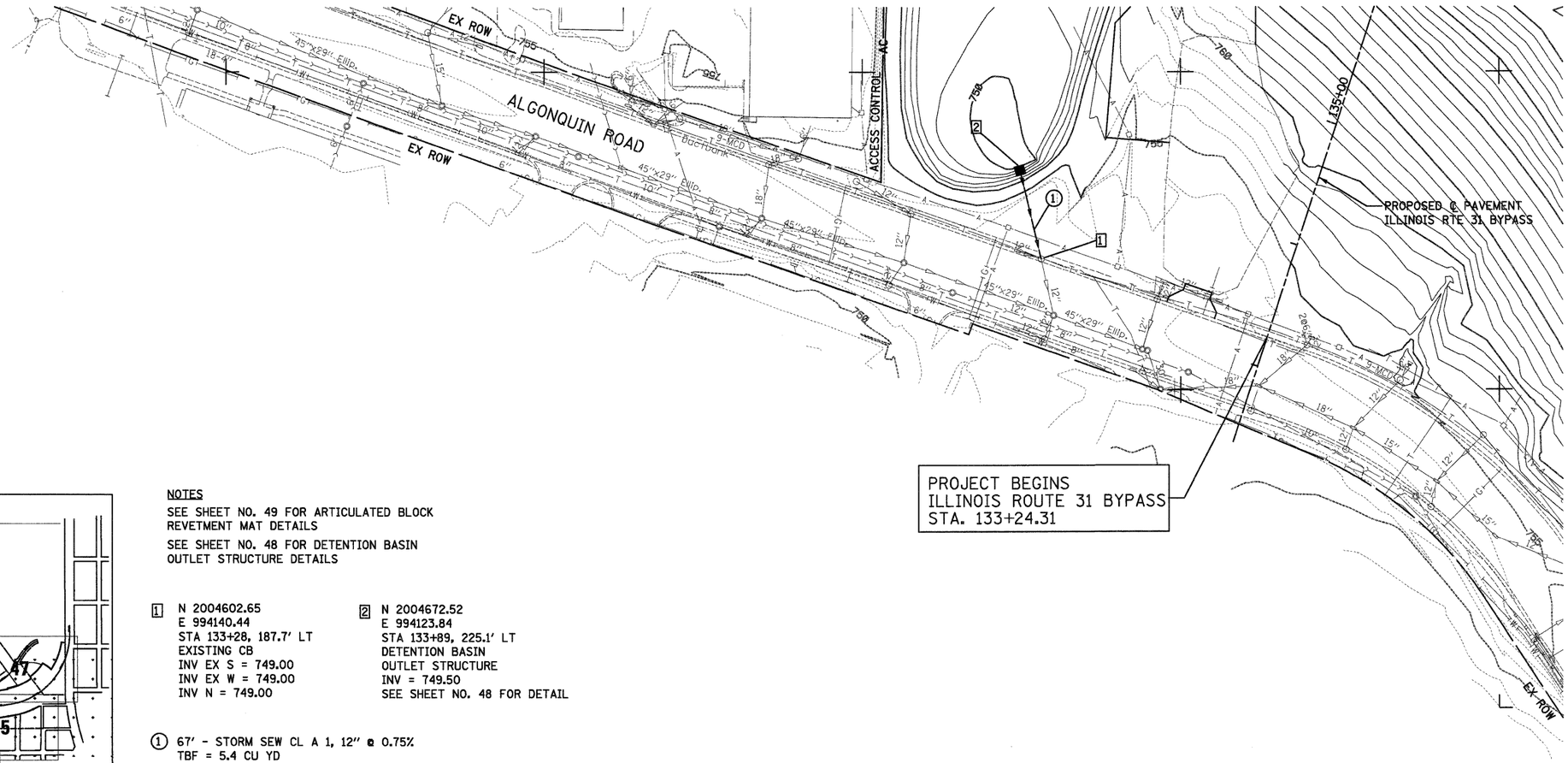
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| | | DRAWN - DTE | REVISED - |
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| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

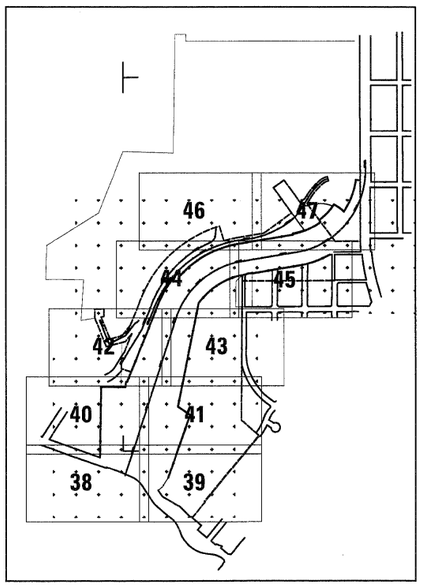
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DRAINAGE GENERAL NOTES**

SCALE: NONE | SHEET NO. 1 OF 13 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 37 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |




**KEY MAP**

NOTES

SEE SHEET NO. 49 FOR ARTICULATED BLOCK REVETMENT MAT DETAILS

SEE SHEET NO. 48 FOR DETENTION BASIN OUTLET STRUCTURE DETAILS

[1] N 2004602.65
E 994140.44
STA 133+28, 187.7' LT
EXISTING CB
INV EX S = 749.00
INV EX W = 749.00
INV N = 749.00

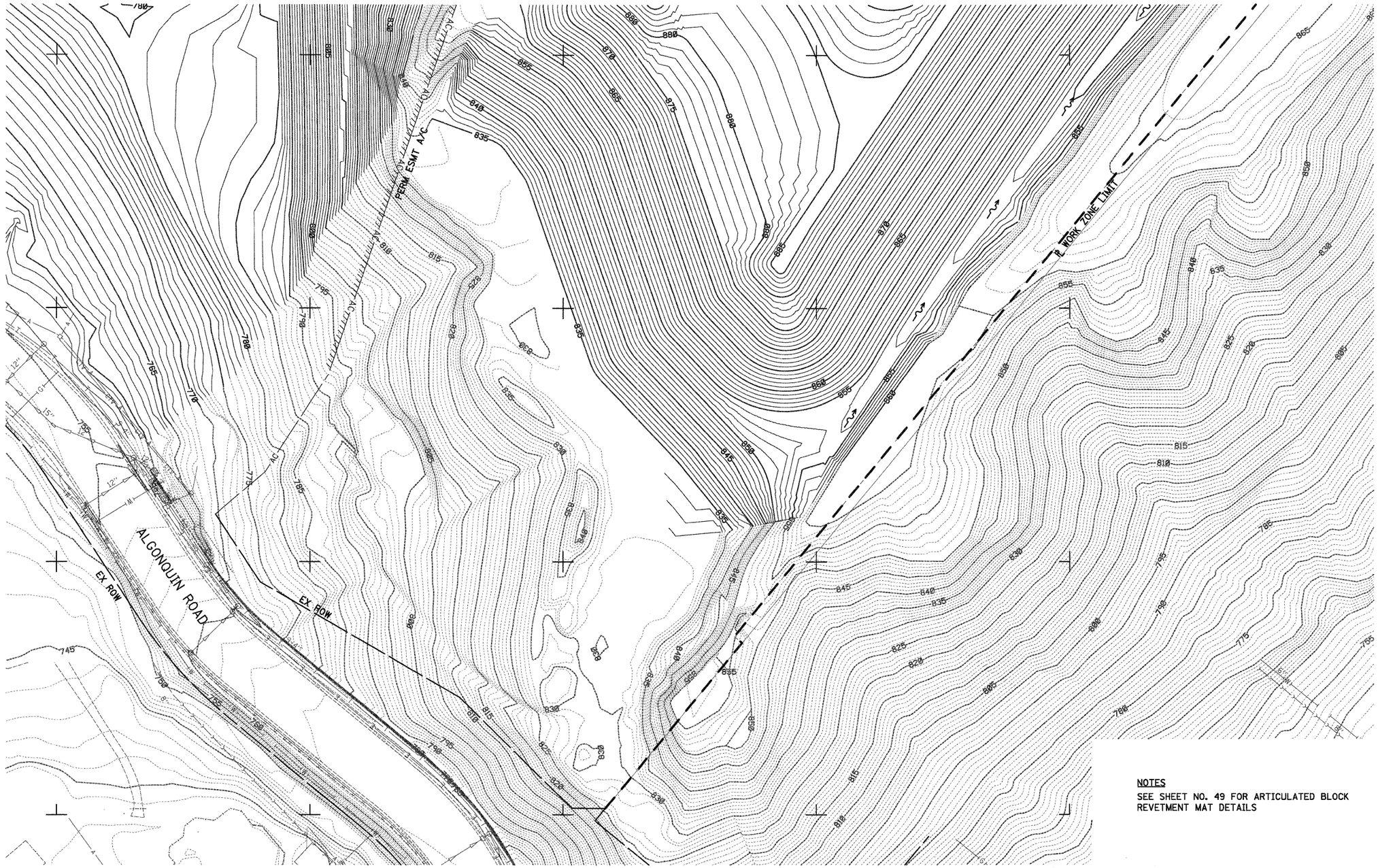
[2] N 2004672.52
E 994123.84
STA 133+89, 225.1' LT
DETENTION BASIN
OUTLET STRUCTURE
INV = 749.50
SEE SHEET NO. 48 FOR DETAIL

(1) 67' - STORM SEW CL A 1, 12" @ 0.75%
TBF = 5.4 CU YD

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| FILE NAME = ...\D162F78-sht-drain-21.dgn | USER NAME = otb | DESIGNED - DTE | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE PLAN | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - DTE | REVISED - | | | | 18A-1 | McHENRY | 115 | 38 |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - | | | | | | CONTRACT NO. 60F78 | |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | SCALE: 1" = 50' SHEET NO. 2 OF 13 SHEETS STA. TO STA. | | | ILLINOIS | FED. AID PROJECT | |

SEE SHEET NO. 41

SEE SHEET NO. 38




NOTES

SEE SHEET NO. 49 FOR ARTICULATED BLOCK REVETMENT MAT DETAILS

50 0 50
SCALE IN FEET

| | | | |
|---|---|---|---|
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| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**DRAINAGE PLAN**

SCALE: 1" = 50' | SHEET NO. 3 OF 13 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 39 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

5 N 2004980.35
E 994257.86
STA 137+23, 193.0' LT
PRC FLAR END SEC 30
W/ GRATING
INV = 753.00

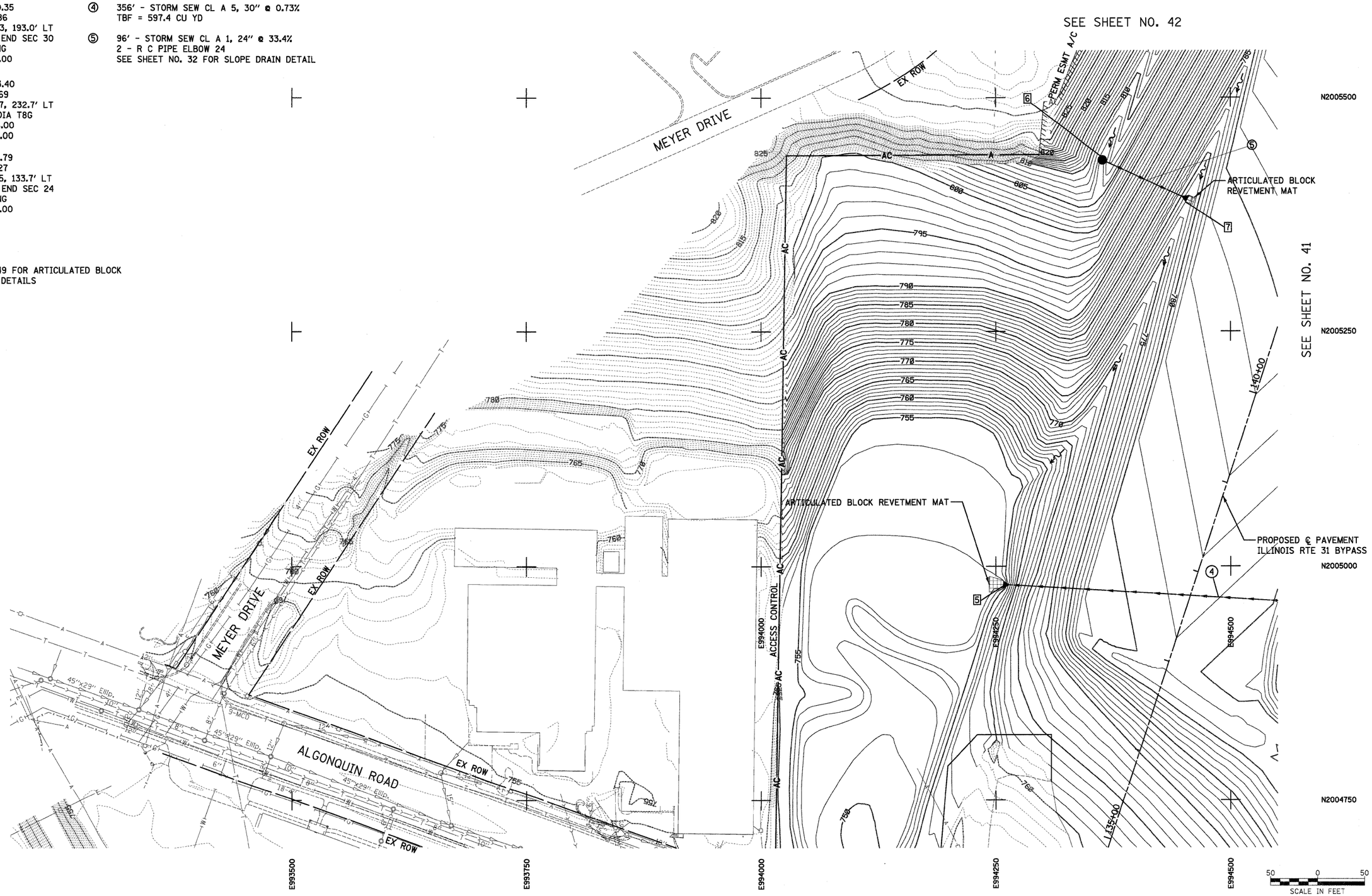
6 N 2005433.40
E 994363.69
STA 141+87, 232.7' LT
CB TA 5 DIA T8G
RIM = 806.00
INV = 802.00

7 N 2005391.79
E 994454.27
STA 141+75, 133.7' LT
PRC FLAR END SEC 24
W/ GRATING
INV = 778.00

④ 356' - STORM SEW CL A 5, 30" @ 0.73%
TBF = 597.4 CU YD

⑤ 96' - STORM SEW CL A 1, 24" @ 33.4%
2 - R C PIPE ELBOW 24
SEE SHEET NO. 32 FOR SLOPE DRAIN DETAIL

NOTES
SEE SHEET NO. 49 FOR ARTICULATED BLOCK REVETMENT MAT DETAILS




| | | | |
|---|---|---|---|
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| | | DRAWN - DTE | REVISED - |
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| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

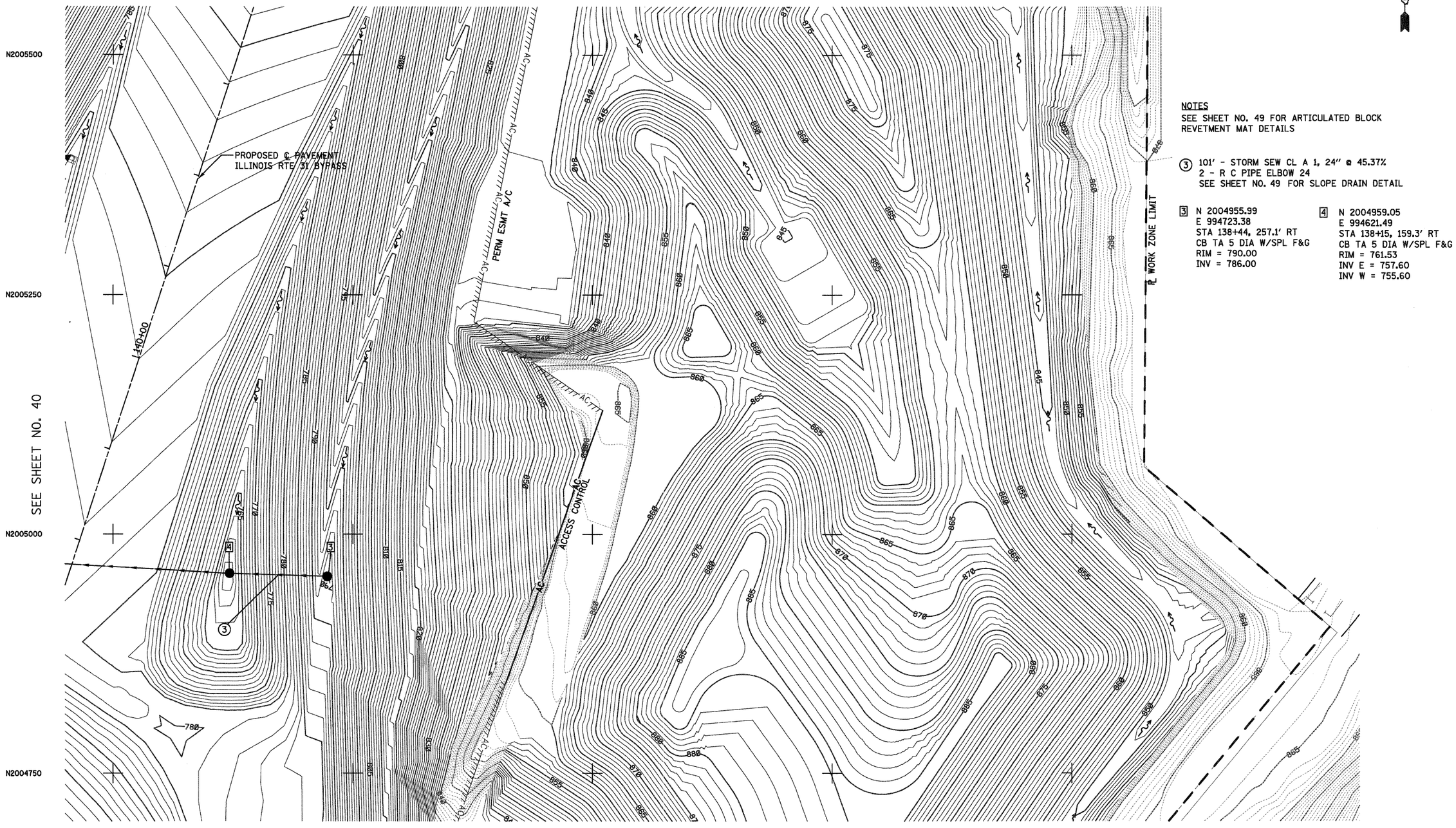
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**DRAINAGE PLAN**

SCALE: 1" = 50' | SHEET NO. 4 OF 13 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 40 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

SEE SHEET NO. 42




N

NOTES

SEE SHEET NO. 49 FOR ARTICULATED BLOCK REVETMENT MAT DETAILS

(3) 101' - STORM SEW CL A 1, 24" @ 45.37%
2 - R C PIPE ELBOW 24
SEE SHEET NO. 49 FOR SLOPE DRAIN DETAIL

[5] N 2004955.99
E 994723.38
STA 138+44, 257.1' RT
CB TA 5 DIA W/SPL F&G
RIM = 790.00
INV = 786.00

[4] N 2004959.05
E 994621.49
STA 138+15, 159.3' RT
CB TA 5 DIA W/SPL F&G
RIM = 761.53
INV E = 757.60
INV W = 755.60

50 0 50
SCALE IN FEET

| | | | |
|---|---|---|---|
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| | | DRAWN - DTE | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**DRAINAGE PLAN**

SCALE: 1" = 50' | SHEET NO. 5 OF 13 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 41 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

8 N 2006217.19
E 994745.26
STA 150+50, 112.7' LT
CB TA 4 DIA T8G
RIM = 819.00
INV = 815.25

9 N 2006190.47
E 994779.84
STA 150+35, 71.5' LT
PRC FLAR END SEC 12
INV = 815.00

14 N 2006266.78
E 994009.10
PIPE CULVERT INLET
INV = 856.00

15 N 2006170.68
E 994012.62
PIPE CULVERT OUTLET
INV = 853.00

16 N 2006163.48
E 994452.95
PIPE CULVERT INLET
INV = 835.10

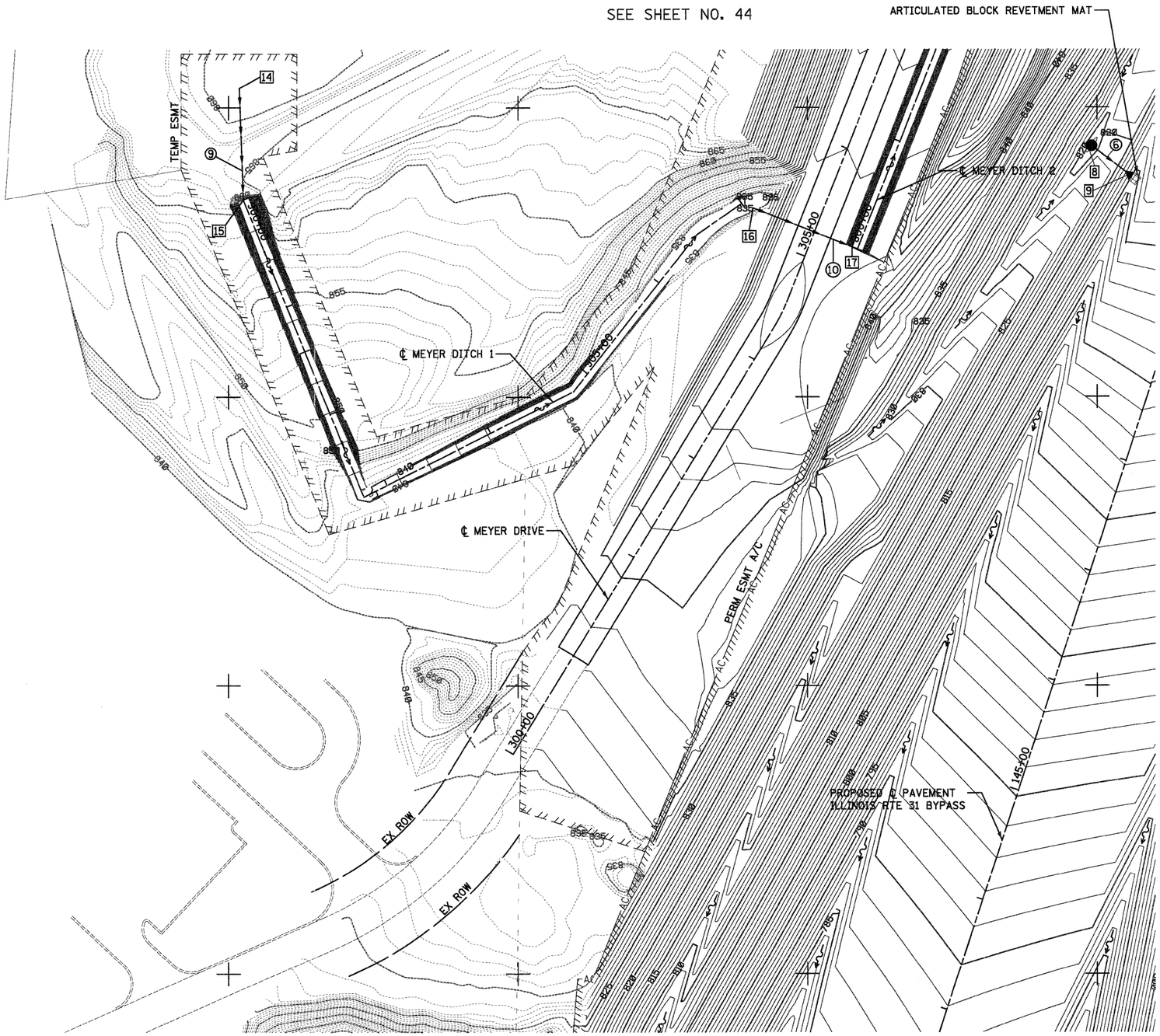
17 N 2006129.74
E 994538.54
PIPE CULVERT OUTLET
INV = 835.00

⑥ 36' - STORM SEW CL A 1, 12" @ 0.70%
TBF = 8.56 CU YD

⑨ 96' - P CUL CL A 2 48 @ 3.13%
TBF = 0.0 CU YD

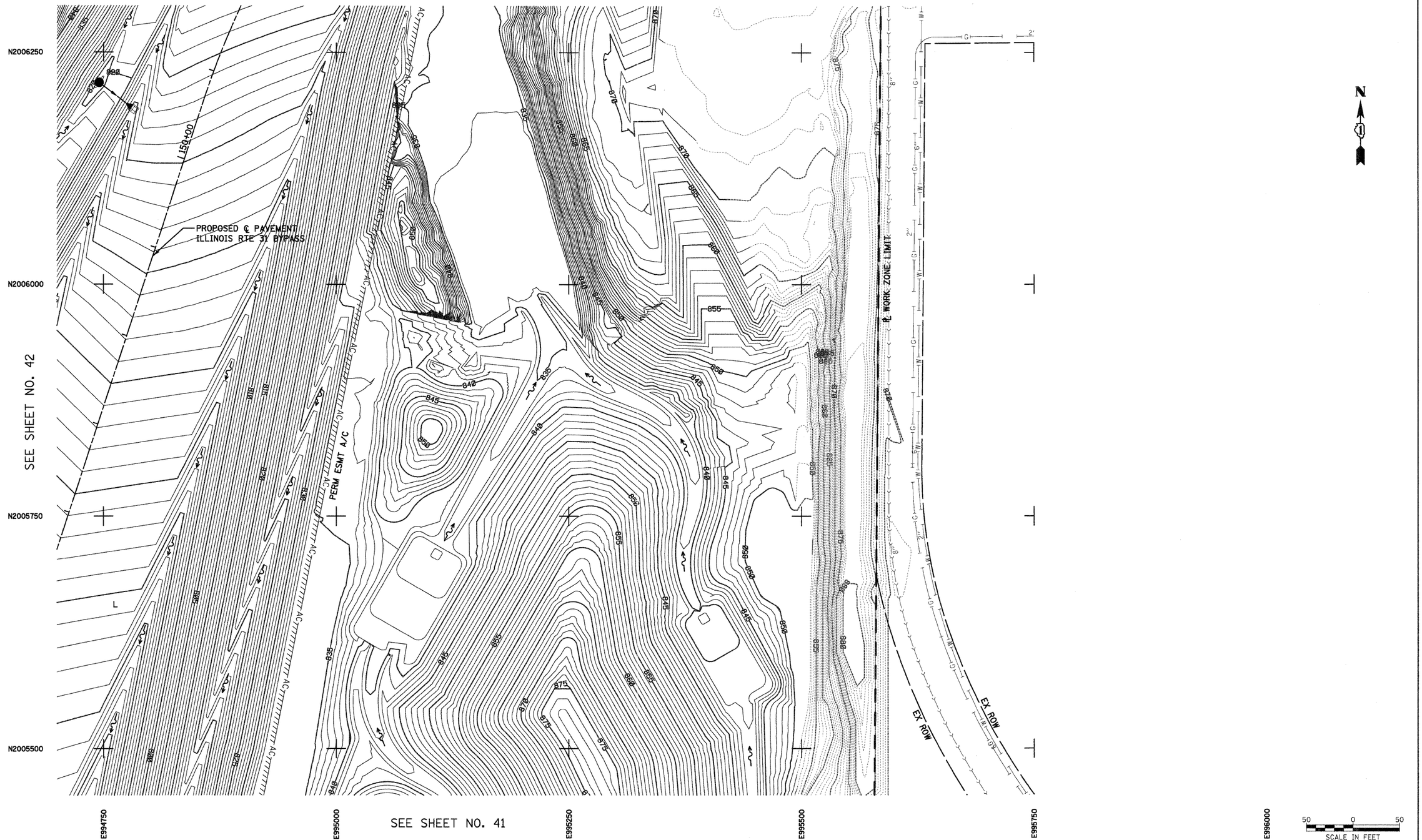
⑩ 92' - P CUL CL A 2 48 @ 0.11%
TBF = 32.80 CU YD

NOTES
SEE SHEET NO. 49 FOR ARTICULATED BLOCK REVETMENT MAT DETAILS




| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FILE NAME = ...\D160F78-sht-drain-05.dgn | USER NAME = etb | DESIGNED - DTE | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE PLAN | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - DTE | REVISED - | | | | 18A-1 | McHENRY | 115 | 42 |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - | | | | | | CONTRACT NO. 60F78 | |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | SCALE: 1" = 50' SHEET NO. 6 OF 13 SHEETS STA. TO STA. | | | ILLINOIS FED. AID PROJECT | | |

SEE SHEET NO. 45




| | | | | | |
|---|---|---|---|---|---|
| FILE NAME = ...\D162F78-sht-drain-26.dgn | USER NAME = otb | DESIGNED - DTE | REVISED - | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** | **DRAINAGE PLAN** |
| | | DRAWN - DTE | REVISED - | | |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - | | SCALE: 1" = 50' \| SHEET NO. 7 OF 13 SHEETS \| STA. \| TO STA. |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 43 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

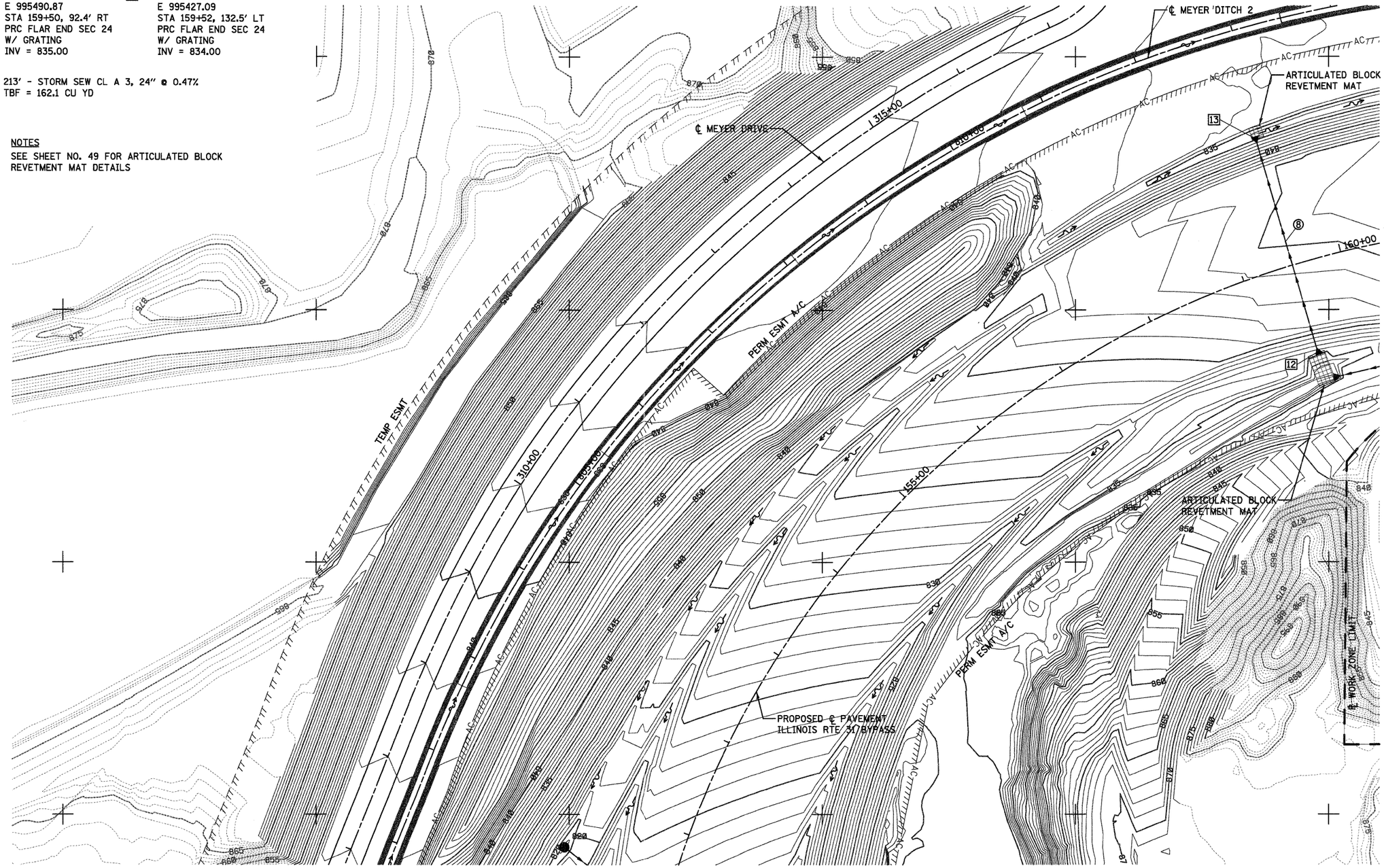
SEE SHEET NO. 46

12 N 2006705.66
E 995490.87
STA 159+50, 92.4' RT
PRC FLAR END SEC 24
W/ GRATING
INV = 835.00

13 N 2006921.25
E 995427.09
STA 159+52, 132.5' LT
PRC FLAR END SEC 24
W/ GRATING
INV = 834.00

⑧ 213' - STORM SEW CL A 3, 24" @ 0.47%
TBF = 162.1 CU YD

NOTES
SEE SHEET NO. 49 FOR ARTICULATED BLOCK REVETMENT MAT DETAILS




N2007000
N2006750
N2006500
N2006250

N

SEE SHEET NO. 45

E994500 E994750 E995000 E995250 E995500

SEE SHEET NO. 42

50 0 50
SCALE IN FEET

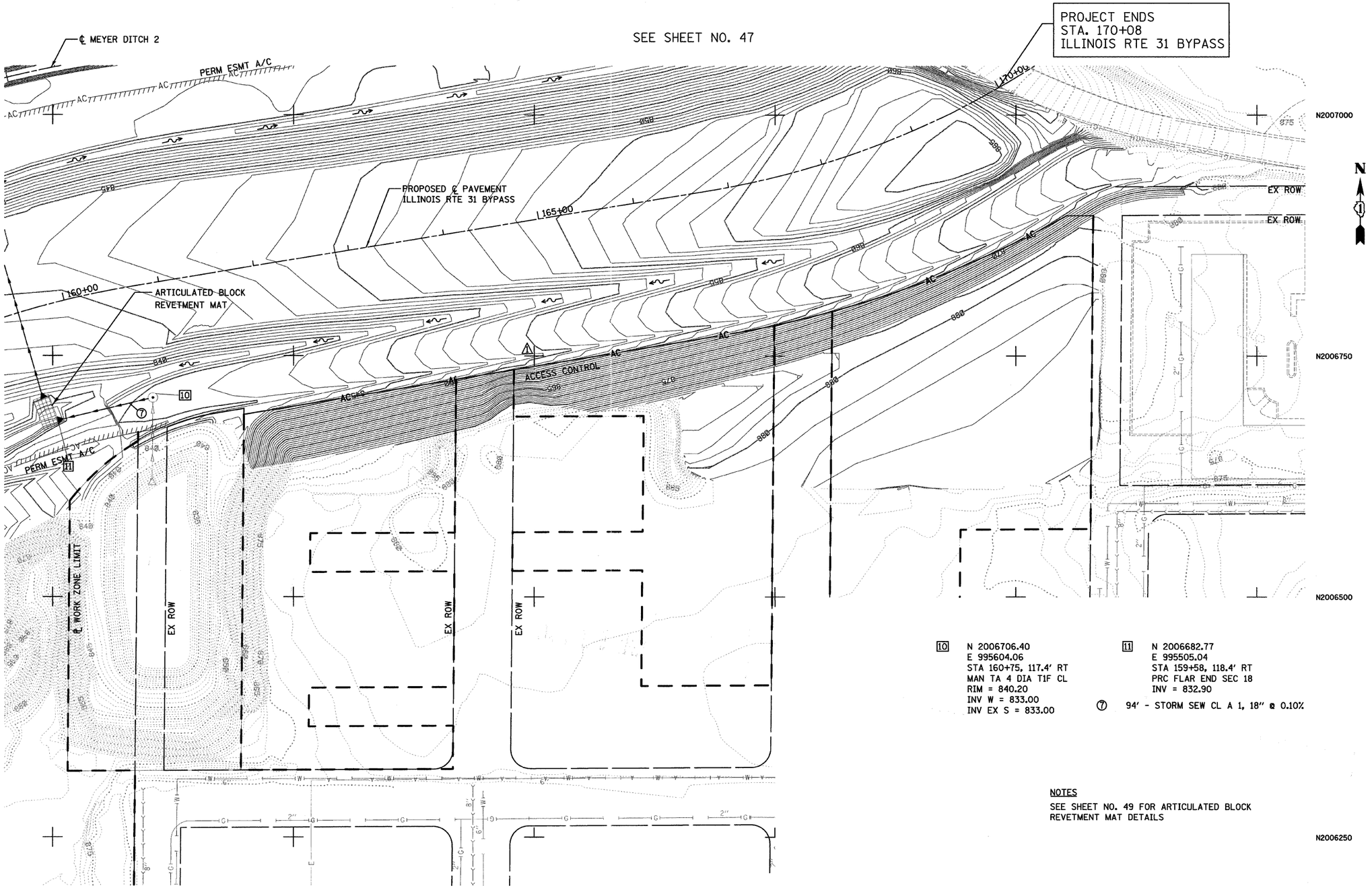
| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-drain-07.dgn | USER NAME = ctb | DESIGNED - DTE | REVISED - |
| | | DRAWN - DTE | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**DRAINAGE PLAN**

SCALE: 1" = 50' | SHEET NO. 8 OF 13 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 44 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |




10 N 2006706.40
E 995604.06
STA 160+75, 117.4' RT
MAN TA 4 DIA T1F CL
RIM = 840.20
INV W = 833.00
INV EX S = 833.00

11 N 2006682.77
E 995505.04
STA 159+58, 118.4' RT
PRC FLAR END SEC 18
INV = 832.90

⑦ 94' - STORM SEW CL A 1, 18" @ 0.10%

NOTES

SEE SHEET NO. 49 FOR ARTICULATED BLOCK REVETMENT MAT DETAILS

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-drain-08.dgn | USER NAME = otb | DESIGNED - | REVISED - |
| | | DRAWN - | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

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

**DRAINAGE PLAN**

SCALE: 1" = 50' | SHEET NO. 9 OF 13 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 45 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

NOTES
SEE SHEET NO. 49 FOR ARTICULATED BLOCK REVETMENT MAT DETAILS




| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-drain-09.dgn | USER NAME = gab | DESIGNED - DTE | REVISED - |
| | | DRAWN - DTE | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**DRAINAGE PLAN**

SCALE: 1" = 50' | SHEET NO. 10 OF 13 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 46 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

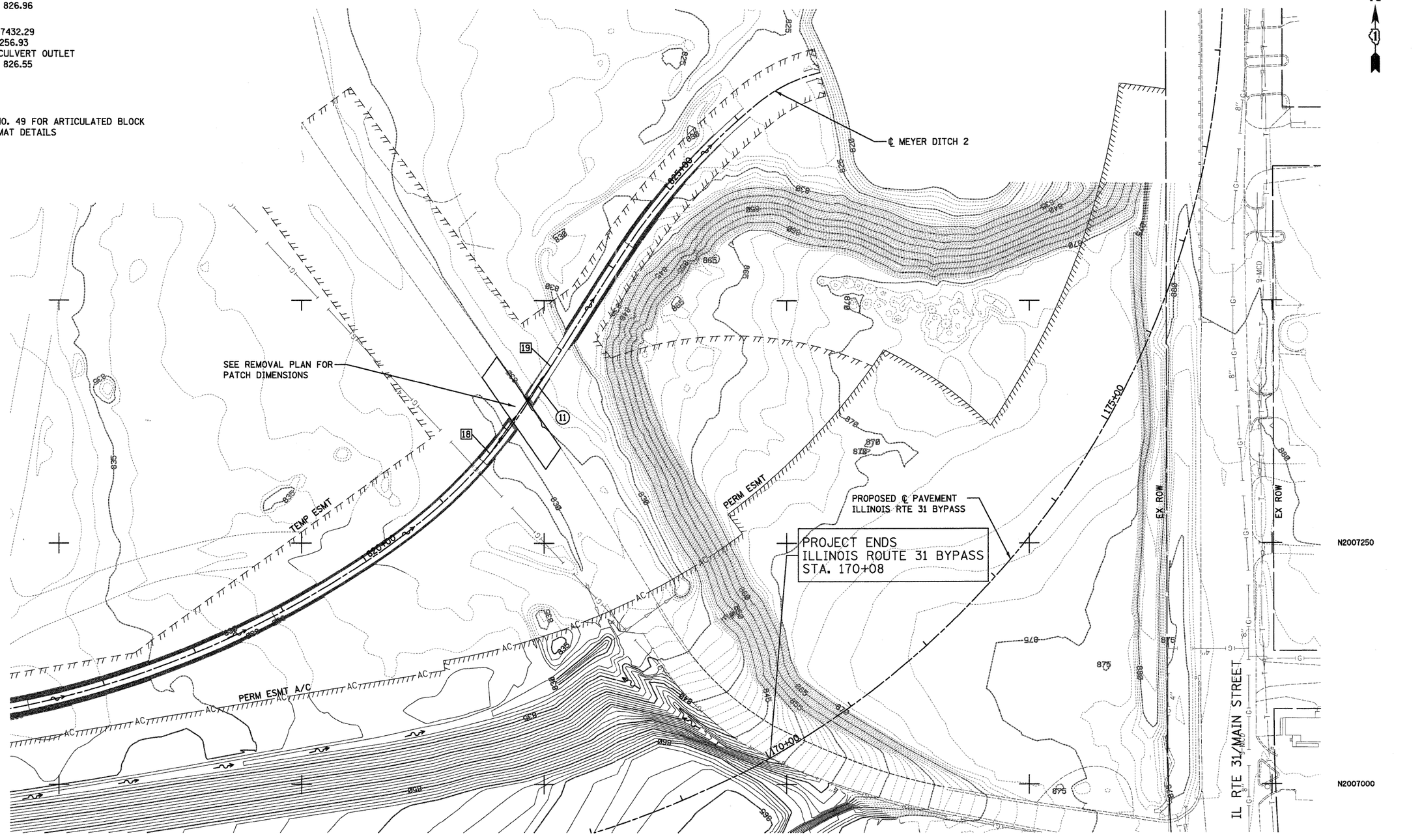
[18] N 2007342.24
E 996194.19
PIPE CULVERT INLET
INV = 826.96

[19] N 2007432.29
E 996256.93
PIPE CULVERT OUTLET
INV = 826.55

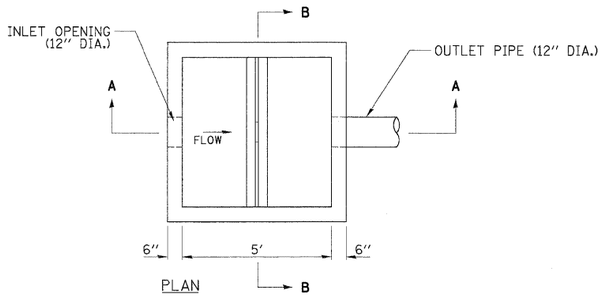
(11) 110' - P CUL CL A 1 48 @ 0.37%
TBF = 0.5 CU YD

NOTES

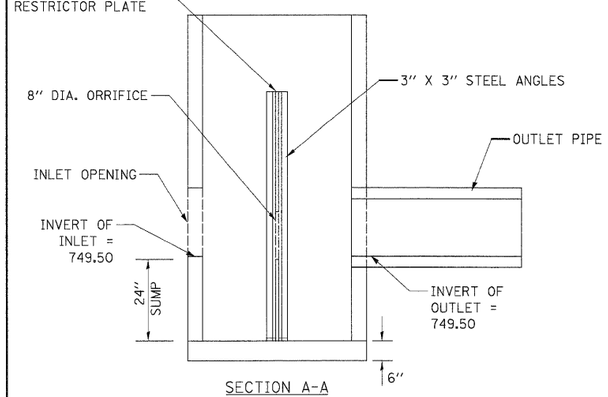
SEE SHEET NO. 49 FOR ARTICULATED BLOCK REVETMENT MAT DETAILS



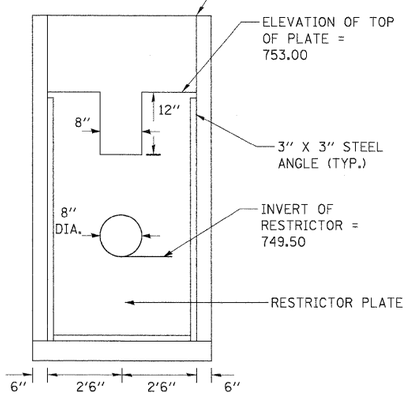

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| FILE NAME = ...\D160F78-sht-drain-10.dgn | USER NAME = ctb | DESIGNED - DTE | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE PLAN | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - DTE | REVISED - | | | | 18A-1 | McHENRY | 115 | 47 |
| | PLOT SCALE = 620.0020 ' / ft. | CHECKED - GAB | REVISED - | | | | | CONTRACT NO. 60F78 | | |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | SCALE: 1" = 50' SHEET NO. 11 OF 13 SHEETS STA. TO STA. | | | ILLINOIS FED. AID PROJECT | | |



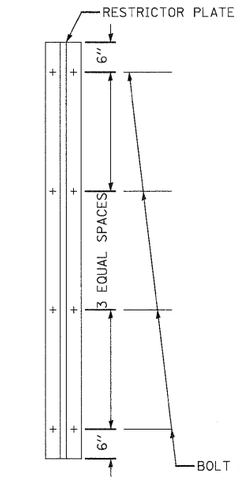

PLAN



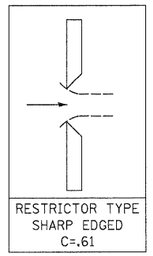

SECTION A-A

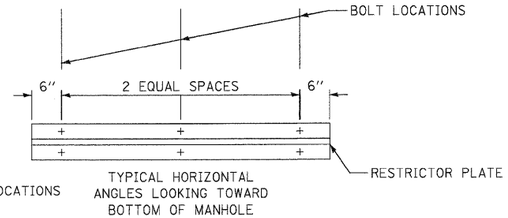



SECTION B-B




TYPICAL VERTICAL ANGLES LOOKING TOWARD MANHOLE WALL



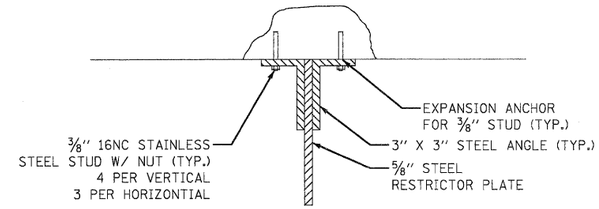




TYPICAL HORIZONTAL ANGLES LOOKING TOWARD BOTTOM OF MANHOLE

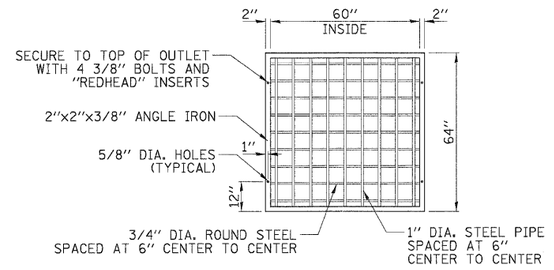
TOTAL BOLTS REQUIRED: 22

NOTE:
1. ANGLES SHOULD BE 3" X 3" X 5/8"
2. VERTICAL ANGLES SHOULD EXTEND FROM BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
3. HORIZONTIAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE

STEEL ANGLE BOLTING DETAILS




NOTE:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION
2. ALL RESTRICTOR PLATES, ANGLES, FRAME AND GRATE, AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE
3. BASIS OF PAYMENT: "DETENTION BASIN OUTLET STRUCTURE" PER EACH




FRAME AND GRATE

# DETENTION BASIN OUTLET STRUCTURE DETAIL

NOT TO SCALE

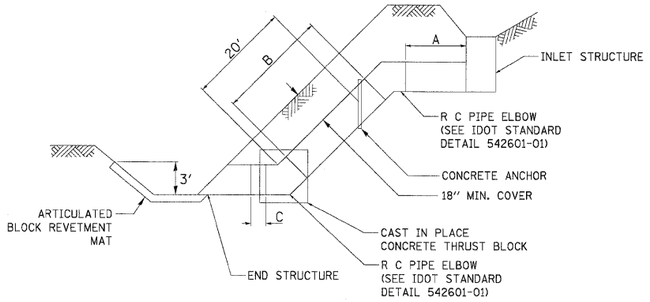
| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-drain-detail_01.dgn | USER NAME = ctb | DESIGNED - CTB | REVISED - |
| | | DRAWN - CTB | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**DRAINAGE DETAILS**

SCALE: NONE | SHEET NO. 12 OF 13 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 48 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

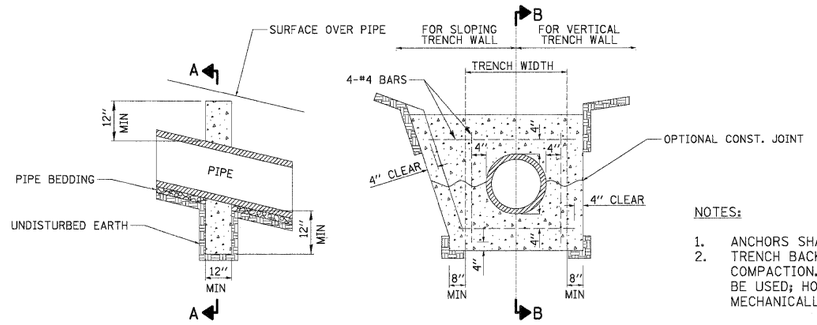



| STRUCTURES | A | ELBOW | B | ELBOW | C | END STRUCTURE | THRUST BLOCK DIM. |
|---|---|---|---|---|---|---|---|
| 3 TO 4 | 4.2' | 18° | 92.0' | 18° | 5.0' | CB | 42" X 42" X 42" |
| 6 TO 7 | 10.2' | 18° | 79.1' | 18° | 6.6' | FES | 24" X 24" X 24" |

NOTES:
1. PIPE SECTIONS A & C ARE TO BE CONSTRUCTED AT A 0.30% SLOPE

## SLOPE DRAIN DETAIL

NOT TO SCALE




NOTES:

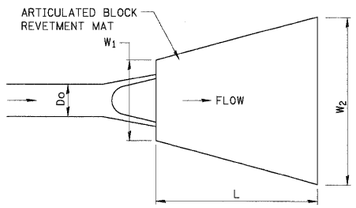
1. ANCHORS SHALL BE CLASS SI CONCRETE.
2. TRENCH BACKFILL SHALL BE CONSOLIDATED BY MECHANICAL COMPACTION. IN LIEU OF MECHANICAL COMPACTION, SOIL CEMENT MAY BE USED; HOWEVER, THE TOP 12" OF BACK FILL SHALL BE NATIVE SOIL, MECHANICALLY COMPACTED.

LEGEND

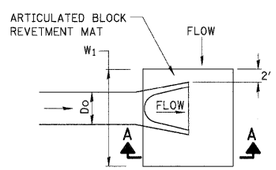
CLASS SI CONCRETE

## CONCRETE ANCHORS DETAIL

NOT TO SCALE



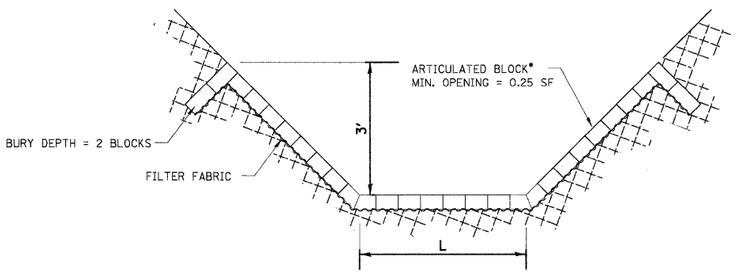

NO DEFINED CHANNEL




DEFINED CHANNEL

| ARTICULATED BLOCK REVETMENT MAT DETAILS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| STRUCTURE NUMBER | LOCATION STA. | LOCATION OFFSET | LOCATION NORTHING | LOCATION EASTING | PIPE SIZE (IN) | DEFINED CHANNEL | $W_1$ (FEET) | $W_2$ (FEET) | L (FEET) | QUANTITY (SQ. YD.) |
| 5 | 137+23 | 193' LT. | 2004980.35 | 994257.86 | 30 | NO | 9 | 17 | 15 | 22 |
| 7 | 141+75 | 133.7' LT | 2005391.79 | 994454.27 | 24 | YES | 14 | - | 4 | 7 |
| 9 | 150+50 | 69.5' LT | 2006203.94 | 994786.35 | 12 | YES | 8 | - | 4 | 4 |
| 11 AND 12 * | 159+50 | 97.0' RT | 2006705.66 | 995490.87 | 18 | NO | 18 | - | 33 | 63 |
| 13 | 159+52 | 132.5' LT | 2006921.25 | 995427.09 | 24 | YES | 14 | - | 4 | 7 |

* SEE DRAINAGE PLAN SHEET FOR LAYOUT.



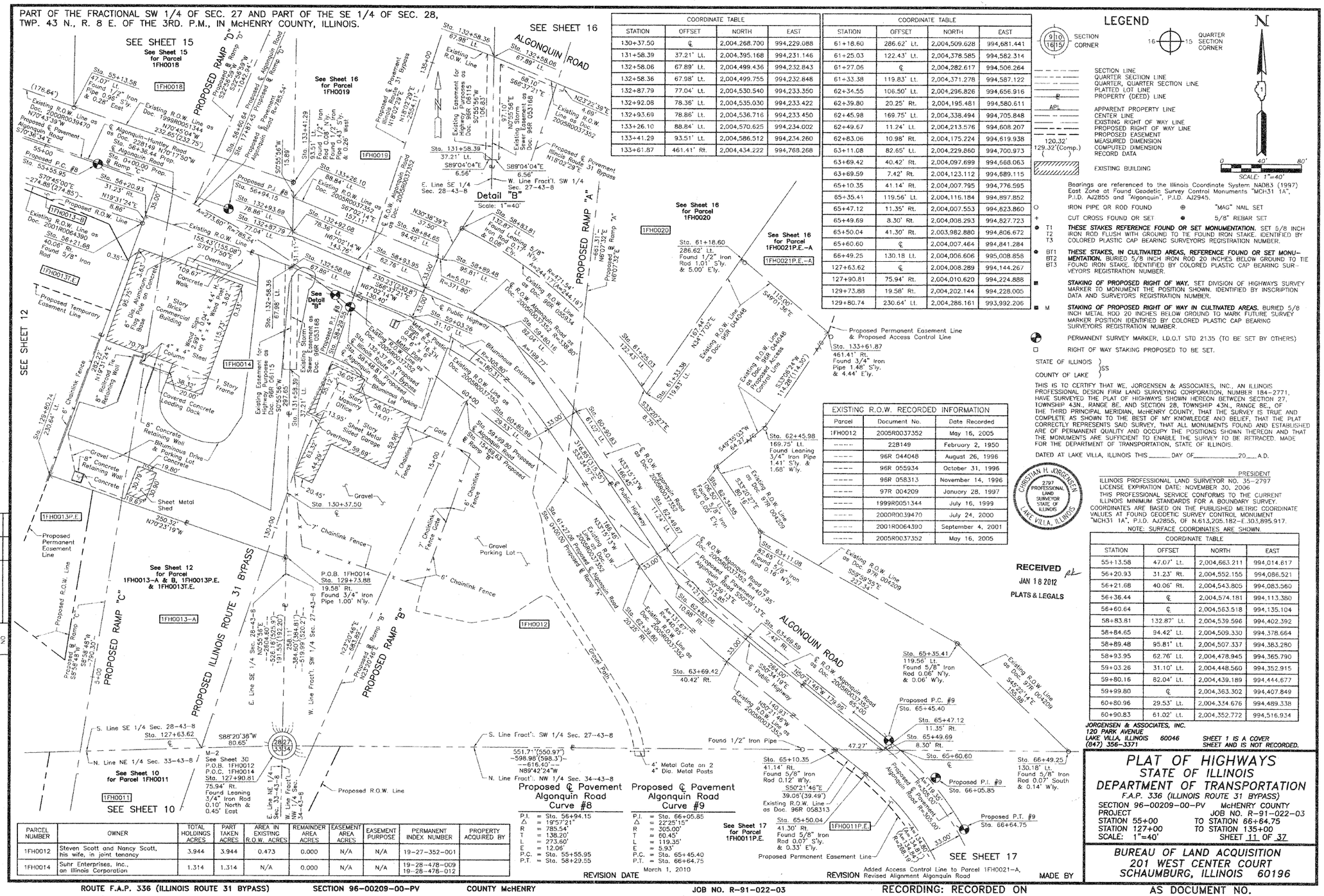

SECTION A-A

## ARTICULATED BLOCK REVETMENT MAT DETAIL

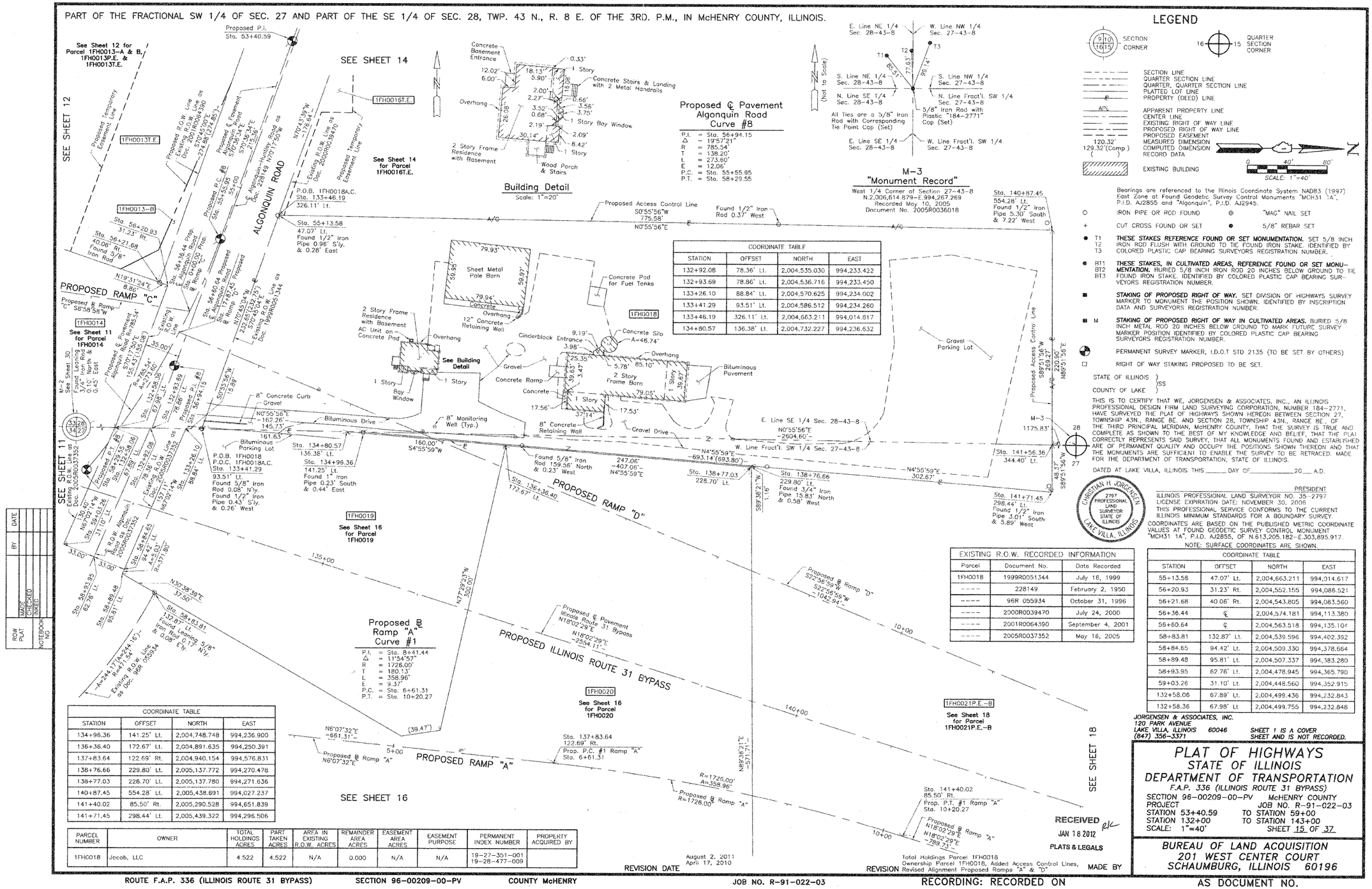
NOT TO SCALE

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FILE NAME = ...\D160F78-sht-drain-detail_02.dgn | USER NAME = ctb | DESIGNED - DTE | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DRAINAGE DETAILS | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - DTE | REVISED - | | | | 18A-1 | McHENRY | 115 | 49 |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - | | | | | | CONTRACT NO. 60F78 | |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | SCALE: NONE SHEET NO. 13 OF 13 SHEETS STA. TO STA. | | FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | |

PART OF THE FRACTIONAL SW 1/4 OF SEC. 27 AND PART OF THE SE 1/4 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.


SEE SHEET 15
See Sheet 15 for Parcel 1FH0018
1FH0018
SEE SHEET 16
See Sheet 16 for Parcel 1FH0019
1FH0019
See Sheet 16 for Parcel 1FH0020
1FH0020
See Sheet 16 for Parcel 1FH0021P.E.-A
1FH0021P.E.-A
SEE SHEET 12
1FH0013-B
1FH0013T.E.
1FH0014
1FH0013P.E.
1FH0013-A
1FH0012
1FH0011
SEE SHEET 10
See Sheet 12 for Parcel 1FH0013-A & B, 1FH0013P.E. & 1FH0013T.E.
See Sheet 10 for Parcel 1FH0011
See Sheet 17 for Parcel 1FH0011P.E.
SEE SHEET 17
ALGONQUIN ROAD
PROPOSED RAMP "D"
PROPOSED RAMP "C"
PROPOSED RAMP "B"
PROPOSED RAMP "A"
PROPOSED ILLINOIS ROUTE 31 BYPASS
Detail "B"
Scale: 1"=40'
Sta. 55+13.58
47.07' Lt.
Found 1/2" Iron Pipe 0.96' S'ly. & 0.28' East
Existing R.O.W. Line as Doc. 2000R0039470
Existing R.O.W. Line as Doc. 1999R0051344
Proposed ℄ Pavement Algonquin Road
Sta. 55+00 Proposed P.C. #8
Sta. 53+55.95
Sta. 56+20.93
31.23' Rt.
Sta. 56+21.68
40.06' Rt.
Found 5/8" Iron Rod
Proposed R.O.W. Line
Existing R.O.W. Line as Doc. 2001R0064390
Proposed Temporary Easement Line
Proposed Permanent Easement Line
Proposed Permanent Easement Line & Proposed Access Control Line
Sta. 133+61.87
461.41' Rt.
Found 3/4" Iron Pipe 1.48' S'ly. & 4.44' E'ly.
Sta. 61+18.60
286.62' Lt.
Found 1/2" Iron Rod 1.01' S'ly. & 5.00' E'ly.
Sta. 61+25.03
122.43' Lt.
Sta. 61+33.38
119.83' Lt.
Sta. 62+45.98
169.75' Lt.
Found Leaning 3/4" Iron Pipe 1.41' S'ly. & 1.68' W'ly.
Sta. 62+74.55
86.18' Rt.
Found 5/8" Iron Rod 0.05' E'ly.
Sta. 63+11.08
83.65' Lt.
Found 5/8" Iron Rod 0.16' N'ly.
Sta. 63+68.59
7.42' Rt.
Sta. 63+69.42
40.42' Rt.
Sta. 65+35.41
119.56' Lt.
Found 5/8" Iron Rod 0.06' N'ly. & 0.06' W'ly.
Sta. 65+45.40
Sta. 65+47.12
11.35' Rt.
Sta. 65+49.69
8.30' Rt.
Sta. 65+60.60
Sta. 65+10.35
41.14' Rt.
Found 5/8" Iron Rod 0.12' W'ly.
Sta. 65+50.04
41.30' Rt.
Found 5/8" Iron Rod 0.07' S'ly. & 0.33' E'ly.
Sta. 66+49.25
130.18' Lt.
Found 5/8" Iron Rod 0.07' South & 0.14' W'ly.
Sta. 66+05.85
Sta. 66+64.75
Sta. 127+63.62
Sta. 132+58.36
87.98' Lt.
Sta. 132+56.08
87.89' Lt.
Sta. 131+58.39
37.21' Lt.
Sta. 133+26.10
68.84' Lt.
Sta. 133+41.29
93.51' Lt.
Found 1/2" Iron Rod 0.08' N'ly. Pipe 0.42' W'ly. & 0.26' West
Sta. 132+93.69
78.86' Lt.
Sta. 132+92.08
78.36' Lt.
Sta. 132+87.79
77.04' Lt.
Sta. 132+84.65
94.42' Lt.
Sta. 132+83.81
Found Leaning 5/8" Iron Rod 0.17' N'ly. & 0.08' E'ly.
Sta. 58+93.95
62.76' Lt.
Sta. 58+89.48
95.81' Lt.
Sta. 58+80.16
82.04' Lt.
Sta. 59+80.80
29.53' Lt.
Sta. 60+80.98
29.53' Lt.
Sta. 60+90.83
61.02' Lt.
Sta. 62+49.67
11.24' Lt.
Sta. 62+83.06
10.98' Rt.
Sta. 62+52.80
20.25' Rt.
Sta. 129+60.24
230.64' Lt.
Sta. 130+37.50
℄
Sta. 131+58.39
37.21' Lt.
Sta. 132+58.36
87.98' Lt.
Sta. 132+56.08
87.89' Lt.
Sta. 133+26.10
68.84' Lt.
Sta. 133+41.29
93.51' Lt.
Sta. 132+93.69
78.86' Lt.
Sta. 132+92.08
78.36' Lt.
Sta. 132+87.79
77.04' Lt.
Sta. 132+84.65
94.42' Lt.
Sta. 132+83.81
Sta. 58+93.95
62.76' Lt.
Sta. 58+89.48
95.81' Lt.
Sta. 58+80.16
82.04' Lt.
Sta. 59+80.80
29.53' Lt.
Sta. 60+80.98
29.53' Lt.
Sta. 60+90.83
61.02' Lt.
Sta. 62+49.67
11.24' Lt.
Sta. 62+83.06
10.98' Rt.
Sta. 62+52.80
20.25' Rt.
Sta. 63+69.42
40.42' Rt.
Sta. 65+35.41
119.56' Lt.
Sta. 65+47.12
11.35' Rt.
Sta. 65+49.69
8.30' Rt.
Sta. 65+60.60
Sta. 65+10.35
41.14' Rt.
Sta. 65+50.04
41.30' Rt.
Sta. 66+49.25
130.18' Lt.
Sta. 66+05.85
Sta. 66+64.75
Sta. 132+58.36
87.98' Lt.
Sta. 131+58.39
37.21' Lt.
Sta. 132+56.08
87.89' Lt.
Sta. 133+26.10
68.84' Lt.
Sta. 133+41.29
93.51' Lt.
Sta. 132+93.69
78.86' Lt.
Sta. 132+92.08
78.36' Lt.
Sta. 132+87.79
77.04' Lt.
Sta. 132+84.65
94.42' Lt.
Sta. 132+83.81
Sta. 58+93.95
62.76' Lt.
Sta. 58+89.48
95.81' Lt.
Sta. 58+80.16
82.04' Lt.
Sta. 59+80.80
29.53' Lt.
Sta. 60+80.98
29.53' Lt.
Sta. 60+90.83
61.02' Lt.
Sta. 62+49.67
11.24' Lt.
Sta. 62+83.06
10.98' Rt.
Sta. 62+52.80
20.25' Rt.
Sta. 63+69.42
40.42' Rt.
Sta. 65+35.41
119.56' Lt.
Sta. 65+47.12
11.35' Rt.
Sta. 65+49.69
8.30' Rt.
Sta. 65+60.60
Sta. 65+10.35
41.14' Rt.
Sta. 65+50.04
41.30' Rt.
Sta. 66+49.25
130.18' Lt.
Sta. 66+05.85
Sta. 66+64.75
Sta. 130+37.50
℄
Sta. 129+60.24
230.64' Lt.
Sta. 127+63.62
℄
Sta. 127+90.81
75.94' Rt.
Found Leaning 3/4" Iron Rod 0.10' North & 0.45' East
P.O.B. 1FH0014
Sta. 129+73.88
19.58' Rt.
Found 3/4" Iron Pipe 1.00' N'ly.
P.O.B. 1FH0012
See Sheet 30
P.O.C. 1FH0014
Sta. 127+90.81
E. Line SE 1/4 Sec. 28-43-8
W. Line Fract'l. SW 1/4 Sec. 27-43-8
S. Line SE 1/4 Sec. 28-43-8
N. Line NE 1/4 Sec. 33-43-8
S. Line Fract'l. SW 1/4 Sec. 27-43-8
N. Line Fract'l. NW 1/4 Sec. 34-43-8
E. Line NE 1/4 Sec. 33-43-8
W. Line Fract'l. NW 1/4 Sec. 34-43-8
Found 1/2" Iron Pipe
4" Metal Gate on 2 4" Dia. Metal Posts
Existing Easement for Highway Purposes as Doc. 96R 06115
Existing Storm Sewer Easement as Doc. 96R 053168
Existing R.O.W. Line as Doc. 2005R0037352
Existing R.O.W. Line as Doc. 2005R0037350
Existing R.O.W. Line as Doc. 96R 044048
Existing R.O.W. Line as Doc. 96R 055934
Existing R.O.W. Line as Doc. 96R 058313
Existing R.O.W. Line as Doc. 97R 004209
Existing R.O.W. Line as Doc. 2005R0037352
Existing R.O.W. Line as Doc. 2000R0039470
Existing R.O.W. Line as Doc. 2001R0064390
Existing R.O.W. Line as Doc. 1999R0051344
Existing R.O.W. Line as Doc. 228149
Existing R.O.W. Line as Doc. 2005R0037362
Proposed ℄ Pavement Algonquin Road
Proposed ℄ Pavement Illinois Route 31 Bypass
Proposed ℄ Pavement Algonquin Road Ramp "D"
Proposed ℄ Algonquin Road Ramp "A"
Proposed ℄ Algonquin Road Ramp "B"
Proposed ℄ Algonquin Road Ramp "C"
Proposed ℄ Ramp "C"
Proposed ℄ Ramp "A"
Proposed P.I. #8
Proposed P.I. #9
Proposed P.C. #8
Proposed P.C. #9
Proposed P.T. #9
Existing ℄ Algonquin-Huntley Road
Algonquin Road Prop. ℄ Ramp "C"
Existing ℄ Public Highway
Proposed Bituminous Entrance
Proposed Bituminous Parking Lot
Proposed Algonquin Road Improvement
Existing Algonquin Road Improvement
Existing Storm Sewer Easement as Doc. 96R 053168
Existing Easement for Highway Purposes as Doc. 96R 06115
Existing Gravel Parking Lot
Existing Drive
Existing Gravel Drive
Existing Concrete Walk
Existing Concrete Curb & Gutter
Existing Concrete Retaining Wall
Existing Bituminous Drive & Parking Lot
Existing Concrete Loading Dock
Existing Concrete Base
Existing Overhang
Existing Chainlink Fence
Existing Chainlink Fence Gate
Existing Railroad Tie Retaining Wall
Existing 1 Story Brick Commercial Building
Existing 1 Story Masonry Office
Existing 1 Story Sheet Metal Sided Garage
Existing Sheet Metal Shed
Existing 4" Column
Existing Wood Sign on 4" Wood Post
Existing Metal Sign on 4" Steel Post
Existing 6" Dia. Aluminum Light Pole on Concrete Base
Existing 6" Dia. Steel Light Pole on Concrete Base
Existing Metal Light Pole on Concrete Base
Existing Metal Light Pole on Plastic Base
Existing Metal Light Pole on Steel Base
Existing Metal Light Pole on Wood Base
Existing Wood Light Pole
Existing Wood Utility Pole
Existing Guy Wire
Existing Overhead Utility Line
Existing Underground Utility Line
Existing Fire Hydrant
Existing Gate
Existing Gate Valve
Existing Sanitary Manhole
Existing Storm Manhole
Existing Storm Inlet
Existing Catch Basin
Existing Flared End Section
Existing Culvert
Existing Tree
Existing Bush
Existing Shrub
Existing Flag Pole
Existing Mailbox
Existing Sign
Existing Utility Pedestal
Existing Utility Vault
Existing Utility Transformer
Existing Utility Meter
Existing Utility Riser
Existing Utility Cable Marker
Existing Utility Gas Marker
Existing Utility Telephone Marker
Existing Utility Electric Marker
Existing Utility Water Marker
Existing Utility Sewer Marker
Existing Utility Fiber Optic Marker
Existing Utility Pipeline Marker
Existing Utility Warning Marker
Existing Utility Caution Marker
Existing Utility Danger Marker
Existing Utility Notice Marker
Existing Utility Information Marker
Existing Utility Emergency Marker
Existing Utility Service Marker
Existing Utility Maintenance Marker
Existing Utility Inspection Marker
Existing Utility Repair Marker
Existing Utility Replacement Marker
Existing Utility Abandonment Marker
Existing Utility Removal Marker
Existing Utility Relocation Marker
Existing Utility Adjustment Marker
Existing Utility Modification Marker
Existing Utility Improvement Marker
Existing Utility Construction

PART OF THE FRACTIONAL SW 1/4 OF SEC. 27 AND PART OF THE SE 1/4 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.


See Sheet 12 for Parcel 1FH0013-A & B, 1FH0013P.E. & 1FH0013T.E.
SEE SHEET 14
1FH0016T.E.
See Sheet 14 for Parcel 1FH0016T.E.
SEE SHEET 12
1FH0013T.E
1FH0013-B
1FH0014
See Sheet 11 for Parcel 1FH0014
SEE SHEET 11
1FH0019
See Sheet 16 for Parcel 1FH0019
1FH0020
See Sheet 16 for Parcel 1FH0020
1FH0021P.E.-B
See Sheet 18 for Parcel 1FH0021P.E.-B
SEE SHEET 18
SEE SHEET 16
ALGONQUIN ROAD
PROPOSED RAMP "C"
PROPOSED RAMP "D"
PROPOSED RAMP "A"
PROPOSED ILLINOIS ROUTE 31 BYPASS
Proposed P.I. Sta. 53+40.59
P.O.B. 1FH0018A.C. Sta. 133+46.19 326.11' Lt.
Sta. 55+13.58 47.07' Lt. Found 1/2" Iron Pipe 0.98' S'ly. & 0.28' East
P.O.B. 1FH0018 P.O.C. 1FH0018A.C. Sta. 133+41.29 93.51' Lt. Found 5/8" Iron Rod 0.08' N'ly. Found 1/2" Iron Pipe 0.43' S'ly. & 0.26' West
Sta. 134+80.57 136.38' Lt. Sta. 134+96.36 141.25' Lt. Found 1" Iron Pipe 0.23' South & 0.44' East
Found 5/8" Iron Rod 159.56' North & 0.23' West
Sta. 136+36.40 172.67' Lt.
Sta. 137+83.64 122.69' Rt.
Sta. 138+77.03 228.70' Lt.
Sta. 138+76.66 229.80' Lt. Found 3/4" Iron Pipe 15.83' North & 0.58' West
Sta. 140+87.45 554.28' Lt. Found 1/2" Iron Pipe 5.30' South & 7.22' West
Sta. 141+56.36 344.40' Lt.
Sta. 141+71.45 298.44' Lt. Found 1/2" Iron Pipe 3.01' South & 5.89' West
Proposed P.C. #1 Sta. 56+94.15
Proposed P.T. #1 Sta. 58+89.48
Proposed P.C. #2 Sta. 55+55.95
Proposed P.T. #2 Sta. 58+93.95
Proposed P.C. #1 Ramp "A" Sta. 6+61.31
Proposed P.C. #1 Ramp "D" Sta. 10+20.27
Proposed Access Control Line S0°55'56"W 775.58' N0°55'56"E
Found 1/2" Iron Rod 0.37' West
E. Line SE 1/4 Sec. 28-43-8 N0°55'56"E 2604.60'
W. Line Fract'l. SW 1/4 Sec. 27-43-8 N4°55'59"E 693.14'(693.80')
N4°55'59"E 302.62'
Proposed ℄ Pavement Illinois Route 31 Bypass N18°02'29"E 2554.11'
Proposed ℄ Ramp "D" S22°56'56"W 104.94'
Proposed ℄ Ramp "A" N18°02'29"E 289.73'
N6°07'32"E 661.31'
N77°29'23"W 350.00'
N89°38'21"E 571.71'
Proposed ℄ Ramp "A" N6°07'32"E
Sheet Metal Pole Barn
Concrete Pad for Fuel Tanks
2 Story Frame Residence with Basement
AC Unit on Concrete Pad
Concrete Silo A=46.74'
Cinderblock Entrance
2 Story Frame Barn
Bituminous Pavement
Gravel Parking Lot
Concrete Ramp
Gravel Drive
Bituminous Drive
Bituminous Parking Lot
8" Concrete Curb
8" Monitoring Well (Typ.)
8" Concrete Retaining Wall
12" Concrete Retaining Wall
Proposed Temporary Easement Line
Existing R.O.W. Line as Doc. 2000R0039470
Existing R.O.W. Line as Doc. 2005R0037352
Existing R.O.W. Line as Doc. 1999R0051344
Existing R.O.W. Line as Doc. 99R 055934
Proposed R.O.W. Line Existing R.O.W. Line as Doc. 2001R0064390
Proposed ℄ Pavement Algonquin Road
℄ Algonquin-Huntley Road as Doc. 228149
Proposed ℄ Algonquin Road Ramp "D"
Proposed ℄ Algonquin Road Ramp "C"
Existing ℄ Algonquin Road Ramp "D"
Existing ℄ Algonquin Road Ramp "C"
Proposed ℄ Pavement Algonquin Road
Existing ℄ Pavement Algonquin Road
Proposed Illinois Route 31 Bypass
Proposed Ramp "A"
Proposed Ramp "C"
Proposed Ramp "D"
Existing Line
Found Leaning 3/4" Iron Rod 0.4' North & 0.4' East
M-2 See Sheet 30
M-3 1175.83'
Found 5/8" Iron Rod 0.08' N'ly. & 0.17' E'ly.
Found 5/8" Iron Rod 0.08' N'ly. & 0.09' E'ly.
Found 3/4" Iron Pipe 0.17' N'ly. & 0.17' E'ly.
Found 1/2" Iron Pipe 0.98' S'ly. & 0.28' East
Found 1/2" Iron Rod 0.37' West
Found 1/2" Iron Pipe 5.30' South & 7.22' West
Found 3/4" Iron Pipe 15.83' North & 0.58' West
Found 1/2" Iron Pipe 3.01' South & 5.89' West
Found 5/8" Iron Rod with Plastic "184-2771" Cap (Set)
Wood Porch & Stairs
Concrete Stairs & Landing with 2 Metal Handrails
1 Story Bay Window
2 Story Frame Residence with Basement
Concrete Basement Entrance
Overhang
Gravel
Concrete
1 Story
2 Story
Bay Window
Concrete Ramp
Concrete Retaining Wall
Proposed Access Control Line
Proposed ℄ Pavement Algonquin Road
Existing ℄ Pavement Algonquin Road
Proposed ℄ Algonquin Road Ramp "D"
Proposed ℄ Algonquin Road Ramp "C"
Existing ℄ Algonquin Road Ramp "D"
Existing ℄ Algonquin Road Ramp "C"
℄ Algonquin-Huntley Road as Doc. 228149
Existing R.O.W. Line as Doc. 2000R0039470
Proposed R.O.W. Line
Existing R.O.W. Line as Doc. 2001R0064390
Proposed Temporary Easement Line
Existing R.O.W. Line as Doc. 2005R0037352
Existing R.O.W. Line as Doc. 1999R0051344
Existing R.O.W. Line as Doc. 99R 055934
Proposed ℄ Pavement Illinois Route 31 Bypass
Proposed Ramp "A"
Proposed Ramp "D"
Proposed Ramp "C"
Existing Line
Proposed Access Control Line
Proposed ℄ Pavement Algonquin Road
Existing ℄ Pavement Algonquin Road
Proposed ℄ Algonquin Road Ramp "D"
Proposed ℄ Algonquin Road Ramp "C"
Existing ℄ Algonquin Road Ramp "D"
Existing ℄ Algonquin Road Ramp "C"
Proposed ℄ Pavement Illinois Route 31 Bypass
Proposed Ramp "A"
Proposed Ramp "C"
Proposed Ramp "D

PART OF THE FRACTIONAL SW 1/4 OF SEC. 27 AND PART OF THE SE 1/4 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

SEE SHEET 18

| EXISTING R.O.W. RECORDED INFORMATION | | |
|---|---|---|
| Parcel | Document No. | Date Recorded |
| 1FH0019 | 2005R0037352 | May 16, 2005 |
| 1FH0020 | 96R 055934 | October 31, 1996 |
| 1FH0021 | 96R 044048 | August 26, 1996 |
| ----- | 96R 044048 | August 26, 1996 |
| ----- | 1999R0051344 | July 16, 1999 |
| ----- | 2005R0037352 | May 16, 2005 |

| Schedule of Ties | | |
|---|---|---|
| Point Number □ | Tie to point | Tie Distance (feet) |
| 1 | T1 | 10.99 |
| | T2 | 10.62 |
| | T3 | 23.71 |
| 2 | T1 | 12.84 |
| | T2 | 9.91 |
| | T3 | 11.98 |

Sta. 138+76.66
229.80' Lt.
Found 3/4" Iron Pipe 15.83' North & 0.58' West

S89°38'21"W 1.16'

Sta. 138+77.03
228.70' Lt.

571.71'
N89°38'21"E

Proposed Permanent Easement Line & Proposed Access Control Line

1FH0021P.E.-B

S85°24'09"E 163.07'

167.70'
S85°54'02"E

Sta. 140+57.51
313.77' Rt.
Found Leaning 3/4" Iron Pipe 8.99' South & 2.08' E'ly.

Sta. 140+97.92
476.53' Rt.
Found 3/4" Iron Pipe 7.44' S'ly. & 0.12' E'ly.
Found Leaning 1" Iron Pipe 13.10' S'ly. & 1.19' W'ly.

Proposed Ramp "B" R=1726.00' Δ=5°56'.85"
L=356.85'

Proposed Ramp "A" R=1726.00' Δ=5°56'.85"

PROPOSED ILLINOIS ROUTE 31 BYPASS

PROPOSED RAMP "D"

N4°55'59"E 893.14'
247.06'
N4°55'59"E

S27°04'01"W 1042.94'
S22°56'59"W
Proposed Ramp "D"

Proposed ℄ Pavement Algonquin Road Ramp "D" N18°02'29"E 2534.11'

Found 5/8" Iron Rod 0.23' West

Sta. 136+36.40
172.67' Lt.

Abandoned Concrete Foundation

Sta. 137+83.64
122.69' Rt.
Prop. P.C. #1 Ramp "A"
Sta. 6+61.31

Proposed ℄ Pavement Algonquin Road Curve #8

| | |
|---|---|
| P.I. | = Sta. 56+94.15 |
| Δ | = 19°57'21" |
| R | = 785.54' |
| T | = 138.20' |
| L | = 273.60' |
| E | = 12.06' |
| P.C. | = Sta. 55+55.95 |
| P.T. | = Sta. 58+29.55 |

Proposed ℄ Ramp "A" Curve #1

| | |
|---|---|
| P.I. | = Sta. 8+41.44 |
| Δ | = 11°54'57" |
| R | = 1726.00' |
| T | = 180.13' |
| L | = 358.96' |
| E | = 9.37' |
| P.C. | = Sta. 6+61.31 |
| P.T. | = Sta. 10+20.27 |

455.90'
S35°17'53"W

Proposed Access Control Line
S19°30'39"W 202.50'

See Sheet 32 for Total Holdings Parcel 1FH0021P.E.-A, B & C & 1FH0021T.E.-B, D, E, F, G & H

Sta. 137+95.51
468.77' Rt.
Found Leaning 1" Iron Pipe 0.60' S'ly. & 7.96' E'ly.

See Sheet 16A & 18A for Parcel 1FH0021P.E.-C

1FH0021P.E.-C

Sta. 134+96.36
141.25' Lt.
Found 1" Iron Pipe 0.23' South & 0.44' East

See Sheet 15 for Parcel 1FH0018

1FH0018

Gravel Parking Lot

8" Dia. Monitoring Well (Typ.)

6" Landscape Timber Retaining Wall

Concrete

Concrete Walk with 2 - 3.0' H. Metal Handrails

1 Story Frame Restaurant

Traffic Sign (Typ.)

6" Landscape Timber Retaining Wall

AC Units on Concrete Pad

Concrete Pad

Wood Deck

Overhang

Bituminous Parking Lot

Concrete Block Planter

Gravel

1FH0019

1FH0020

Parking Lot

Metal & Plastic Sign 3' H. on 2.28' Wide Wood Base

Found Leaning 5/8" Iron Rod 0.17' N'ly.

Found 5/8" Iron Rod 0.08' E'ly.

Existing R.O.W. Line as Doc. 19988R0051344 N70°45'04"W 232.65' (232.75')

Algonquin - Huntley Road as Algonquin Road Prop. Sta. 56+60.64 Prop. Sta. 17+83.45 Prop. Ramp "D"

Sta. 133+41.29
93.51' Lt.
Found 0.08' N'ly. & 0.26' West
Found 1/2" Iron Pipe 1.43' N'ly. & 0.26' West

Sta. 57+40.04
55.56' Lt.

Sta. 57+46.29
44.96' Lt.

P.O.B. 1FH0019 Sta. 57+74.25

P.O.B. 1FH0020 Sta. 58+63.81

Existing R.O.W. Line as Doc. 2005R0037352

Existing R.O.W. Line as Doc. 96R 044048

Existing R.O.W. Line as Doc. 96R 055934

Proposed ℄ Pavement Algonquin Road Ramp "D" S22°56'59"W

Proposed ℄ Ramp "D" S22°56'59"W

Sta. 56+94.15

Sta. 132+93.69

Sta. 132+92.08
78.36' Lt.

Sta. 132+56.06
67.89' Lt.

Sta. 132+56.36
67.98' Lt.

Sta. 57+75.10 ℄

Sta. 56+36.44 Prop. Algonquin Road Prop. Sta. 14+60.00 Prop. Ramp "C"

Sta. 58+84.65
94.42' Lt.

Sta. 58+93.95
82.76' Lt.

Sta. 59+03.26
31.10' Lt.

Sta. 58+89.48
95.81' Lt.

Sta. 58+91.50
82.63' Lt.

Sta. 58+51.50
83.63' Lt.

Sta. 58+29.55

Sta. 132+37.67 Proposed Algonquin Road Sta. 58+98.80 Prop. Ramp "B" Sta. 15+85.25 Prop.

Sta. 132+31.67 Proposed Algonquin Road Sta. 58+98.80 Prop. Ramp "B" Sta. 15+85.25 Prop.

Existing R.O.W. Line as Doc. 2005R0037352

Existing R.O.W. Line as Doc. 96R 044048

Existing R.O.W. Line as Doc. 2005R0037352

Existing R.O.W. Line as Doc. 96R 044048

Existing R.O.W. Line as Doc. 96R 055934

Existing R.O.W. Line as Doc. 96R 044048

Existing R.O.W. Line as Doc. 96R 055934

Existing R.O.W. Line as Doc. 96R 044048

Proposed ℄ Ramp "A"

Proposed ℄ Ramp "B"

Proposed ℄ Ramp "C"

Proposed ℄ Ramp "D"

PROPOSED RAMP "C"

PROPOSED RAMP "A"

PROPOSED RAMP "B"

ALGONQUIN ROAD

Sta. 136+65.32
125.93' Rt.

Sta. 136+30.12
143.79' Rt.

Sta. 61+25.03
122.43' Lt.

Sta. 60+80.96
29.53' Lt.

Sta. 60+90.83
61.02' Lt.

Sta. 61+18.60
286.62' Lt.

Sta. 61+33.38
119.83' Lt.

Sta. 132+58.06
67.89' Lt.

Sta. 132+58.36
67.98' Lt.

Sta. 132+92.08
78.36' Lt.

Sta. 133+41.29
93.51' Lt.

Sta. 133+61.87
461.41' Rt.

Sta. 134+80.57
136.38' Lt.

Sta. 134+96.36
141.25' Lt.

Sta. 136+30.12
143.79' Rt.

Sta. 136+36.40
172.67' Lt.

Sta. 136+65.32
125.93' Rt.

Sta. 137+83.64
122.69' Rt.

Sta. 137+95.51
468.77' Rt.

Sta. 138+76.66
229.80' Lt.

Sta. 138+77.03
228.70' Lt.

Sta. 140+57.51
313.77' Rt.

Sta. 140+97.92
476.53' Rt.

Sta. 133+61.87
461.41' Rt.
Found 3/4" Iron Pipe 1.48' S'ly. & 4.44' E'ly

Existing R.O.W. Line as Doc. 96R 044048 & Proposed Access Control Line

Remains of 4' Wire Mesh Fence

P.O.B. 1FH0021P.E.-A
Sta. 61+18.60
286.62' Lt.
Found 1/2" Iron Rod 1.01' S'ly. & 5.00' E'ly

1FH0021P.E. A

Found 1" Iron Pipe 1.84' S'ly. & 8.58' E'ly.

Proposed Permanent Easement Line & Proposed Access Control Line

Proposed Access Control Line

Existing R.O.W. Line as Doc. 96R 044048

Existing R.O.W. Line as Doc. 96R 055934

Existing R.O.W. Line as Doc. 2005R0037352

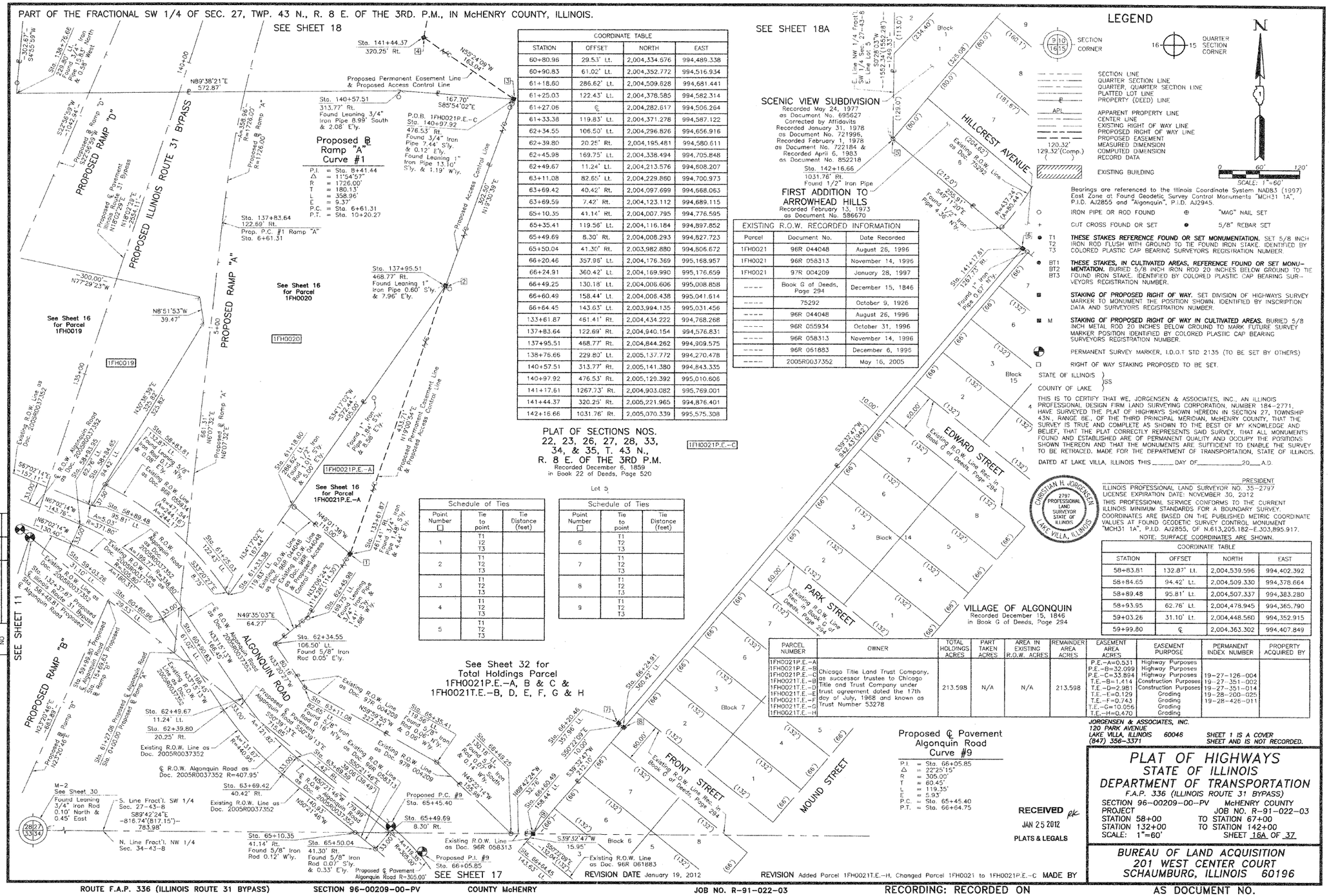
Existing R.O.W. Line as Doc. 96R 055934

Existing R.O.W. Line as Doc. 2005R0037352

Existing R.O.W. Line as Doc. 96R 055934

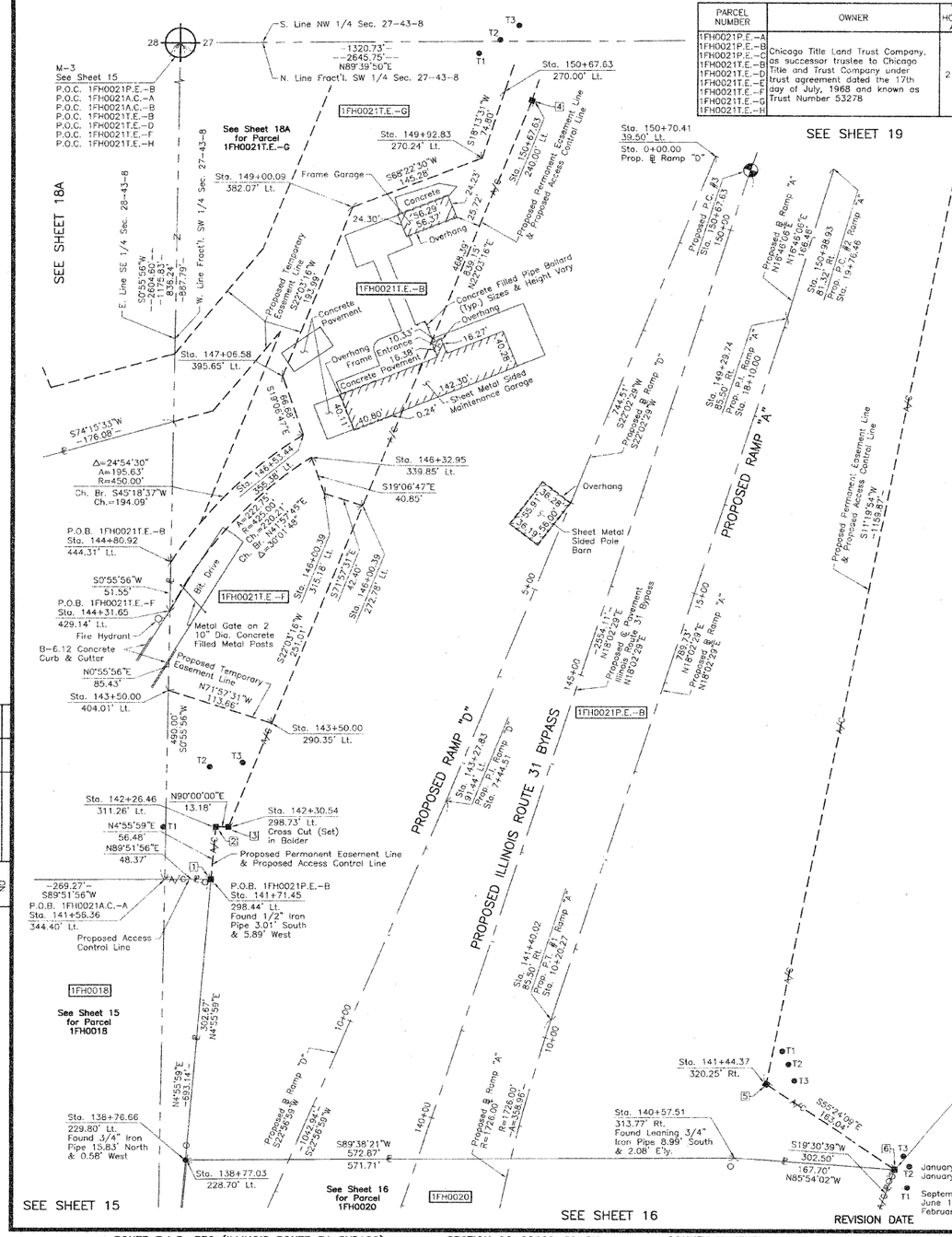
Existing R.O.W. Line as Doc. 96R 044048

PART OF THE FRACTIONAL SW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.


SEE SHEET 18
SEE SHEET 18A
PROPOSED ILLINOIS ROUTE 31 BYPASS
PROPOSED RAMP "A"
PROPOSED RAMP "B"
PROPOSED RAMP "D"
Proposed ℄ Ramp "A" Curve #1
P.I. = Sta. 8+41.44
Δ = 11°54'5"
R = 1726.00'
T = 180.13'
L = 358.96'
E = 9.37'
P.C. = Sta. 6+61.31
P.T. = Sta. 10+20.27
Proposed Permanent Easement Line & Proposed Access Control Line
Proposed Access Control Line
Proposed Permanent Easement Line & Proposed Access Control Line
Sta. 140+57.51
313.77' Rt.
Found Leaning 3/4" Iron Pipe 8.99' South & 2.08' E'ly.
P.O.B. 1FH0021P.E.-C
Sta. 140+97.92
476.53' Rt.
Found 3/4" Iron Pipe 7.44' S'ly. & 0.12' E'ly.
Found Leaning 1" Iron Pipe 13.10' S'ly. & 1.19' W'ly.
Sta. 141+44.37
320.25' Rt.
Sta. 142+16.66
1031.76' Rt.
Found 1/2" Iron Pipe
Sta. 137+83.64
122.69' Rt.
Prop. P.C. #1 Ramp "A"
Sta. 6+61.31
Sta. 137+95.51
468.77' Rt.
Found Leaning 1" Iron Pipe 0.60' S'ly. & 7.96' E'ly.
Sta. 138+76.66
229.80' Lt.
Found 3/4" Iron Pipe 1.54' North & 0.38' West
See Sheet 16 for Parcel 1FH0019
See Sheet 16 for Parcel 1FH0020
See Sheet 16 for Parcel 1FH0021P.E.-A
1FH0019
1FH0020
1FH0021P.E.-A
1FH0021P.E.-C
Existing R.O.W. Line as Doc. 2005R0037352
Existing R.O.W. Algonquin Road Doc. 2005R0037352
Existing R.O.W. Line as Doc. 96R 058313
Existing R.O.W. Line as Doc. 96R 061883
Existing R.O.W. Line as Doc. 96R 004209
Existing R.O.W. Line as Doc. 97R 004209
Existing R.O.W. Line as Doc. 2005R0037352
Existing R.O.W. Line as Doc. 2005R0037352
Existing R.O.W. Line as Doc. 2005R0037352

PART OF THE FRACTIONAL SW 1/4 OF SEC. 27 AND PART OF THE SE 1/4 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

| PARCEL NUMBER | OWNER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---|---|---|---|---|---|---|---|---|---|
| 1FH0021P.E.–A | Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278 | 213.598 | N/A | N/A | 213.598 | P.E.–A=0.531 | Highway Purposes | | |
| 1FH0021P.E.–B | | | | | | P.E.–B=32.099 | Highway Purposes | | |
| 1FH0021P.E.–C | | | | | | P.E.–C=33.894 | Highway Purposes | | |
| 1FH0021T.E.–B | | | | | | T.E.–B=1.414 | Construction Purposes | 19–27–126–004 | |
| 1FH0021T.E.–D | | | | | | T.E.–D=2.951 | Construction Purposes | 19–27–351–002 | |
| 1FH0021T.E.–E | | | | | | T.E.–E=0.129 | Grading | 19–27–351–014 | |
| 1FH0021T.E.–F | | | | | | T.E.–F=0.743 | Grading | 19–28–200–025 | |
| 1FH0021T.E.–G | | | | | | T.E.–G=10.056 | Grading | 19–28–426–011 | |
| 1FH0021T.E.–H | | | | | | T.E.–H=0.470 | Grading | | |




| Schedule of Ties | | |
|---|---|---|
| Point Number ☐ | Tie to point | Tie Distance (feet) |
| 1 | T1 | 75.26 |
| | T2 | 120.74 |
| | T3 | 129.45 |
| 2 | T1 | 54.82 |
| | T2 | 64.78 |
| | T3 | 74.38 |
| 3 | T1 | 68.00 |
| | T2 | 67.38 |
| | T3 | 70.51 |
| 4 | T1 | 74.66 |
| | T2 | 72.45 |
| | T3 | 80.64 |
| 5 | T1 | 38.93 |
| | T2 | 31.42 |
| | T3 | 29.80 |
| 6 | T1 | 23.82 |
| | T2 | 15.76 |
| | T3 | 16.98 |

## LEGEND

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

N

SCALE: 1"=60'

Bearings are referenced to the Illinois Coordinate System: NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

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

STATE OF ILLINOIS )
)SS
COUNTY OF LAKE )

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 8E. AND SECTION 28, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

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

_____ PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

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

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182–E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

| COORDINATE TABLE | | | |
|---|---|---|---|
| STATION | OFFSET | NORTH | EAST |
| 143+50.00 | 404.01' Lt. | 2,005,641.790 | 994,251.433 |
| 144+31.65 | 429.14' Lt. | 2,005,727.212 | 994,252.824 |
| 144+80.92 | 444.31' Lt. | 2,005,778.752 | 994,253.662 |
| 146+00.39 | 272.78' Lt. | 2,005,839.228 | 994,453.756 |
| 146+00.39 | 315.18' Lt. | 2,005,852.359 | 994,413.441 |
| 146+32.95 | 339.85' Lt. | 2,005,890.957 | 994,400.066 |
| 146+53.44 | 355.38' Lt. | 2,005,915.251 | 994,391.647 |
| 147+06.58 | 395.65' Lt. | 2,005,978.251 | 994,369.816 |
| 149+00.09 | 382.07' Lt. | 2,006,158.045 | 994,442.656 |
| 149+29.74 | 85.50' Rt. | 2,006,041.427 | 994,896.422 |
| 149+92.83 | 270.24' Lt. | 2,006,211.585 | 994,577.711 |
| 150+67.63 | 240.00' Lt. | 2,006,273.345 | 994,829.631 |
| 150+67.63 | 270.00' Lt. | 2,006,282.636 | 994,601.106 |
| 150+70.41 | 39.50' Lt. | 2,006,214.001 | 994,821.169 |
| 150+98.93 | 81.32' Rt. | 2,006,200.808 | 994,944.446 |

| COORDINATE TABLE | | | |
|---|---|---|---|
| STATION | OFFSET | NORTH | EAST |
| 138+76.66 | 229.80' Lt. | 2,005,137.772 | 994,270.478 |
| 138+77.03 | 228.70' Lt. | 2,005,137.780 | 994,271.636 |
| 140+57.51 | 313.77' Rt. | 2,005,141.380 | 994,843.335 |
| 140+97.92 | 476.53' Rt. | 2,005,129.392 | 995,010.606 |
| 141+40.02 | 85.50' Rt. | 2,005,290.528 | 994,651.839 |
| 141+44.37 | 320.25' Rt. | 2,005,221.965 | 994,876.401 |
| 141+56.36 | 344.40' Lt. | 2,005,439.209 | 994,248.137 |
| 141+71.45 | 298.44' Lt. | 2,005,439.322 | 994,296.505 |
| 142+26.46 | 311.26' Lt. | 2,005,495.598 | 994,301.363 |
| 142+30.54 | 298.73' Lt. | 2,005,495.598 | 994,314.540 |
| 143+27.83 | 91.44' Lt. | 2,005,523.901 | 994,541.770 |
| 143+50.00 | 290.35' Lt. | 2,005,606.588 | 994,359.506 |

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

*SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.*

RECEIVED
JAN 25 2012
PLATS & LEGALS

| REVISION | DATE | MADE BY |
|---|---|---|
| Added Parcel 1FH0021T.E.–H, Changed Parcel 1FH0021 to 1FH0021P.E.–C | January 19, 2012 | |
| Added Parcels 1FH0021, 1FH0021T.E.–F & G, Changed Parcels 1FH0021–A & B to 1FH0021P.E.–A & B, Eliminated Parcels 1FH0021T.E.–A & C | January 11, 2012 | |
| Ownership & P.I.N. Parcel 1FH0021 | September 14, 2010 | |
| Total Holdings Parcel 1FH0021 | June 11, 2010 | |
| Configuration Parcel 1FH0021, Added Access Control Lines & | February 25, 2010 | |
| Revised Ramp "A" & "D" Alignments | REVISION DATE | |

# PLAT OF HIGHWAYS
## STATE OF ILLINOIS
## DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96–00209–00–PV McHENRY COUNTY
PROJECT JOB NO. R–91–022–03
STATION 139+00 TO STATION 150+67.63
SCALE: 1"=60' SHEET 18 OF 37

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

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96–00209–00–PV COUNTY McHENRY JOB NO. R–91–022–03 RECORDING: RECORDED ON AS DOCUMENT NO.

| ROW PLAT | NOTEBOOK NO | MADE | CHECKED | INKED | BY | DATE |
|---|---|---|---|---|---|---|
| | | | | | | |

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-PH-05.dgn | USER NAME = ctb | DESIGNED - | REVISED - |
| | | DRAWN - JORGENSEN & ASSOC. | REVISED - |
| | PLOT SCALE = 600.0000 ' / Ft. | CHECKED - CJ | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

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

**PLAT OF HIGHWAYS**

SCALE: N.T.S. SHEET NO. 5 OF 15 SHEETS

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A–1 | McHENRY | 115 | 54 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27 AND PART OF THE SE 1/4 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

| PARCEL NUMBER | OWNER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---|---|---|---|---|---|---|---|---|---|
| 1FH0021P.E.–A | Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278 | 213.598 | N/A | N/A | 213.598 | P.E.–A=0.531 | Highway Purposes | 19–27–126–004 | |
| 1FH0021P.E.–B | | | | | | P.E.–B=32.099 | Highway Purposes | 19–27–351–002 | |
| 1FH0021P.E.–C | | | | | | P.E.–C=33.894 | Highway Purposes | 19–27–351–014 | |
| 1FH0021T.E.–D | | | | | | T.E.–D=2.981 | Construction Purposes | 19–28–200–025 | |
| 1FH0021T.E.–E | | | | | | T.E.–E=0.129 | Grading | 19–28–426–011 | |
| 1FH0021T.E.–F | | | | | | T.E.–F=0.743 | Grading | | |
| 1FH0021T.E.–G | | | | | | T.E.–G=10.056 | Grading | | |
| 1FH0021T.E.–H | | | | | | T.E.–H=0.470 | Grading | | |

| Schedule of Ties | | |
|---|---|---|
| Point Number □ | Tie to point | Tie Distance (feet) |
| 1 | T1 | |
| | T2 | |
| | T3 | |
| 2 | T1 | |
| | T2 | |
| | T3 | |
| 3 | T1 | |
| | T2 | |
| | T3 | |
| 4 | T1 | |
| | T2 | |
| | T3 | |
| 5 | T1 | |
| | T2 | |
| | T3 | |
| 6 | T1 | |
| | T2 | |
| | T3 | |
| 7 | T1 | |
| | T2 | |
| | T3 | |

**Proposed ℄ Pavement Illinois Route 31 Bypass Curve #3**
P.I. = Sta. 156+26.02
Δ = 62°30'28"
R = 920.05'
T = 558.39'
L = 1003.75'
E = 156.19'
P.C. = Sta. 150+67.63
P.T. = Sta. 160+71.38

**Proposed ℄ Ramp "A" Curve #2**
P.I. = Sta. 24+76.71
Δ = 62°38'06"
R = 822.20'
T = 500.25'
L = 898.82'
E = 140.22'
P.C. = Sta. 19+76.46
P.T. = Sta. 28+75.28

**Proposed ℄ Pavement Illinois Route 31 Bypass Curve #4**
P.I. = Sta. 174+59.45
Δ = 80°38'27"
R = 920.05'
T = 780.83'
L = 1294.93'
E = 286.67'
P.C. = Sta. 166+78.62
P.T. = Sta. 179+73.55

## LEGEND

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

SCALE: 1"=100'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

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

STATE OF ILLINOIS )
)SS
COUNTY OF LAKE )

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184–2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 8E. AND SECTION 28, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

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

_____ PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35–2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182–E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

| COORDINATE TABLE | | | |
|---|---|---|---|
| STATION | OFFSET | NORTH | EAST |
| 148+29.39 | 457.21' Lt. | 2,006,114.084 | 994,349.320 |
| 148+33.88 | 763.99' Lt. | 2,006,213.368 | 994,059.007 |
| 148+81.97 | 884.83' Lt. | 2,006,296.514 | 993,959.007 |
| 149+00.09 | 382.07' Lt. | 2,006,158.045 | 994,442.656 |
| 149+12.94 | 789.74' Lt. | 2,006,296.514 | 994,059.007 |
| 149+29.74 | 85.50' Rt. | 2,006,041.427 | 994,896.422 |
| 149+92.83 | 270.24' Lt. | 2,006,211.585 | 994,577.711 |
| 150+67.63 | 270.00' Lt. | 2,006,282.636 | 994,601.106 |
| 150+70.41 | 39.50' Lt. | 2,006,214.001 | 994,821.169 |
| 150+77.10 | 439.58' Lt. | 2,006,348.441 | 994,444.266 |
| 150+98.93 | 81.32' Rt. | 2,006,200.808 | 994,944.446 |
| 153+45.02 | 150.00' Rt. | 2,006,359.221 | 995,104.298 |
| 154+00.00 | 240.00' Lt. | 2,006,640.009 | 994,827.807 |
| 154+00.00 | 270.00' Lt. | 2,006,658.782 | 994,804.407 |
| 154+55.03 | 200.00' Lt. | 2,006,665.949 | 994,902.468 |
| 154+55.03 | 240.00' Lt. | 2,006,692.800 | 994,872.821 |
| 155+82.60 | ℄ | 2,006,620.011 | 995,142.610 |
| 157+70.46 | 460.39' Rt. | 2,006,319.212 | 995,515.498 |
| 159+02.91 | 488.63' Rt. | 2,006,319.622 | 995,585.504 |
| 159+43.59 | 201.89' Rt. | 2,006,599.341 | 995,517.784 |
| 159+50.00 | 270.00' Lt. | 2,007,052.065 | 995,384.519 |
| 159+50.00 | 439.58' Lt. | 2,007,214.228 | 995,334.911 |
| 160+47.72 | 159.46' Rt. | 2,006,660.878 | 995,588.511 |
| 160+50.07 | 150.00' Rt. | 2,006,670.539 | 995,588.646 |
| 160+61.60 | 48.95' Rt. | 2,006,771.778 | 995,580.489 |
| 160+71.38 | 200.00' Lt. | 2,007,018.921 | 995,548.734 |
| 160+71.38 | 270.00' Lt. | 2,007,087.970 | 995,537.240 |
| 160+97.88 | 94.97' Lt. | 2,006,919.667 | 995,592.127 |
| 162+62.25 | 45.00' Rt. | 2,006,808.588 | 995,777.246 |
| 163+65.80 | 270.00' Lt. | 2,007,136.314 | 995,827.665 |
| 166+78.62 | 200.00' Lt. | 2,007,118.629 | 996,147.731 |
| 166+78.62 | 220.00' Lt. | 2,007,138.358 | 996,144.447 |
| 167+26.03 | 437.82' Lt. | 2,007,357.934 | 996,133.077 |
| 168+47.73 | 220.00' Lt. | 2,007,171.000 | 996,268.724 |

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

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

RECEIVED
JAN 25 2012
PLATS & LEGALS

# PLAT OF HIGHWAYS
## STATE OF ILLINOIS
## DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96–00209–00–PV McHENRY COUNTY
PROJECT JOB NO. R–91–022–03
STATION 141+00 TO STATION 169+00
SCALE: 1"=100' SHEET 18A OF 37

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

MADE BY

RECORDING: RECORDED ON AS DOCUMENT NO.

REVISION Added Parcel 1FH0021T.E.–H, Changed Parcel 1FH0021 to 1FH0021P.E.–C

REVISION DATE January 19, 2012

| EXISTING R.O.W. RECORDED INFORMATION | | |
|---|---|---|
| Parcel | Document No. | Date Recorded |
| 1FH0021 | 75292 | October 9, 1926 |
| ----- | 75292 | October 9, 1926 |
| ----- | 695627 | May 24, 1977 |

SCENIC VIEW SUBDIVISION
Recorded May 24, 1977
as Document No. 695627
Corrected by Affidavits
Recorded January 31, 1978
as Document No. 721996,
Recorded February 1, 1978
as Document No. 722184 &
Recorded April 6, 1983
as Document No. 852218

PLAT OF SECTIONS NOS. 22, 23, 26, 27, 28, 33, 34, & 35, T. 43 N., R. 8 E. OF THE 3RD P.M.
Recorded December 6, 1859
in Book 22 of Deeds, Page 520
Lot 5

FRANK E. MERRILL & Co's. UNIT No. 4 ALGONQUIN HILLS SUBDIVISION
Recorded October 9, 1926
as Document No. 75292

PINE AVENUE
ELM STREET
BIRCH STREET
ASH STREET
ARROWHEAD DRIVE (Maple Avenue)
PROPOSED RAMP "D"
PROPOSED ILLINOIS ROUTE 31 BYPASS
PROPOSED RAMP "A"

See Sheet 22 for Parcel 1FH0021T.E.–D
See Sheet 20 & 20A for Parcel 1FH0022
See Sheet 20 & 20A for Parcel 1FH0023
See Sheet 32 for Total Holdings Parcel 1FH0021P.E.–A, B & C & 1FH0021T.E.–B, D, E, F, G & H
See Sheets 18, 19 & 22 for Parcel 1FH0021P.E.–B & 1FH0021T.E.–B, D, F & H
SEE SHEET 18
SEE SHEET 16A
SEE SHEET 22

| ROW PLAT | BY | DATE |
|---|---|---|
| NOTEBOOK NO | MADE | |
| | CHECKED | |
| | CKED | |

| FILE NAME = ...\D160F78-sht-PH-26.dgn | USER NAME = ctb | DESIGNED - | REVISED - |
|---|---|---|---|
| | | DRAWN - JORGENSEN & ASSOC. | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - CJ | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

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

**PLAT OF HIGHWAYS**
SCALE: N.T.S. SHEET NO. 6 OF 15 SHEETS

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 55 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96–00209–00–PV COUNTY McHENRY JOB NO. R–91–022–03

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

| Schedule of Ties | | |
|---|---|---|
| Point Number | Tie to point | Tie Distance (feet) |
| 1 | T1 | 74.66 |
| | T2 | 72.45 |
| | T3 | 80.64 |
| 2 | T1 | 16.26 |
| | T2 | 12.09 |
| | T3 | 30.41 |
| 3 | T1 | 47.06 |
| | T2 | 52.06 |
| | T3 | 61.89 |
| 4 | T1 | 59.65 |
| | T2 | 34.87 |
| | T3 | 67.93 |
| 5 | T1 | 17.77 |
| | T2 | 24.75 |
| | T3 | 38.93 |
| 6 | T1 | 32.91 |
| | T2 | 23.86 |
| | T3 | 26.77 |

| PARCEL NUMBER | OWNER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---|---|---|---|---|---|---|---|---|---|
| 1FH0021P.E.-A<br>1FH0021P.E.-B<br>1FH0021P.E.-C<br>1FH0021T.E.-B<br>1FH0021T.E.-D<br>1FH0021T.E.-E<br>1FH0021T.E.-F<br>1FH0021T.E.-G<br>1FH0021T.E.-H | Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278 | 213.598 | N/A | N/A | 213.598 | P.E.-A=0.531<br>P.E.-B=32.099<br>P.E.-C=33.894<br>T.E.-B=1.414<br>T.E.-D=2.981<br>T.E.-E=0.129<br>T.E.-F=0.743<br>T.E.-G=10.056<br>T.E.-H=0.470 | Highway Purposes<br>Highway Purposes<br>Highway Purposes<br>Construction Purposes<br>Construction Purposes<br>Grading<br>Grading<br>Grading<br>Grading | 19-27-126-004<br>19-27-351-002<br>19-27-351-014<br>19-28-200-025<br>19-28-426-011 | | |

SEE SHEET 18A

1FH0021T.E.-G
See Sheet 18A for Parcel 1FH0021T.E.-G

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #3
P.I. = Sta. 156+26.02
Δ = 62°30'28"
R = 920.05'
T = 558.39'
L = 1003.75'
E = 156.19'
P.C. = Sta. 150+67.63
P.T. = Sta. 160+71.38

Proposed ℄ Ramp "A" Curve #2
P.I. = Sta. 24+76.71
Δ = 62°38'06"
R = 822.20'
T = 500.25'
L = 898.62'
E = 140.22'
P.C. = Sta. 19+76.46
P.T. = Sta. 28+75.28

See Sheet 32 for Total Holdings Parcel 1FH0021P.E.-A, B & C & 1FH0021T.E.-B, D, E, F, G & H

SEE SHEET 18A

E. Line NE 1/4 Sec. 28-43-8
S0°50'56"W 2624.60'
W. Line NW 1/4 Sec. 27-43-8
N0°45'19"E 2630.83' (Comp.)

M-3 See Sheet 15
P.O.C. 1FH0021P.E.-B
P.O.C. 1FH0021A.C.-A
P.O.C. 1FH0021A.C.-B
P.O.C. 1FH0021T.E.-B
P.O.C. 1FH0021T.E.-D
P.O.C. 1FH0021T.E.-F
P.O.C. 1FH0021T.E.-H

Sta. 154+55.03 240.00' Lt.
N51°15'38"W 30.00'
Sta. 154+00.00 270.00' Lt.
S47°50'00"E 40.00'
Sta. 154+55.03 200.00' Lt.
Sta. 154+00.00 240.00' Lt.

PROPOSED ILLINOIS ROUTE 31 BYPASS

Proposed P.I. #3 Sta. 156+26.02

Proposed ℄ Pavement Illinois Route 31 Bypass R=920.05' R=920.05' Δ=100.75'

1FH0021P.E.-B

S. Line NW 1/4 Sec. 27-43-8
875.36'
1320.73' (19.88 Chains)
-2645.75'
N89°39'50"E
N. Line Fract'l. SW 1/4 Sec. 27-43-8

Sta. 155+82.60 ℄

PROPOSED RAMP "A"

Proposed Temporary Easement Line

Proposed Permanent Easement Line & Proposed Access Control Line

Ch. Br. N61°21'28"E
Δ=36°22'56"
Ch.=376.36'
R=1190.05'
A=428.92'

Ch. Br. N28°29'26"E
Δ=24°41'53"
Ch.=427.53'
R=1190.05'
A=427.26'

Ch. Br. N28°29'26"E
Δ=24°41'53"
Ch.=419.07'
R=1160.05'
A=416.79'

Ch. Br. N30°50'14"E
Δ=24°07'30"
Ch.=484.44'
R=1170.05'
A=492.67'

Proposed Permanent Easement Line & Proposed Access Control Line

Proposed ℄ Ramp "A" R=822.20' R=822.20' A=898.82'

Ch. Br. N65°54'24"W
Δ=62°38'06"
Ch.=857.77'
R=790.05'
A=860.10'

Proposed Permanent Easement Line & Proposed Access Control Line

Sta. 153+45.02 150.00' Rt.

1FH0021P.E.-C
See Sheet 16A & 18A for Parcel 1FH0021P.E.-C

Sta. 150+98.93 81.32' Rt.
Prop. P.C. #2 Ramp "A" Sta. 19+76.46

Sta. 150+70.41 39.50' Rt.
Sta. 0+00.00 Prop. ℄ Ramp "D"

Proposed P.C. #3 Sta. 156+67.63

Proposed ℄ Easement Illinois Route 31 Bypass N19°01'29"E

Proposed ℄ Ramp "A" N16°46'08"E 88.46'

Proposed ℄ Ramp "D" S22°02'29"W 744.53'

Proposed Permanent Easement Line & Proposed Access Control Line

S11°19'54"W 155.87'

Proposed Permanent Easement Line & Proposed Access Control Line

Sta. 149+92.83 270.24' Lt.
S18°13'31"W 74.80'
Sta. 150+67.63 270.00' Lt.
Sta. 150+67.63 240.00' Lt.

Proposed Permanent Easement Line & Proposed Access Control Line

-4468.39'
-849.15'
N22°03'16"E

SEE SHEET 18

PLAT OF SECTIONS NOS. 22, 23, 26, 27, 28, 33, 34, & 35, T. 43 N., R. 8 E. OF THE 3RD P.M.
Recorded December 6, 1859 in Book 22 of Deeds, Page 520

Lot 5

SEE SHEET 18A

E. Line SE 1/4 Sec. 27-43-8
W. Line SE 1/4 NW 1/4 Sec. 27-43-8

Proposed Temporary Easement Line

Proposed Permanent Easement Line & Proposed Access Control Line
N80°32'57"E 607.24'

Sta. 160+71.38 200.00' Lt.

Sta. 160+97.88 94.97' Lt.

Existing R.O.W. Line as Doc. 75292
S89°39'51"W 1305.50'

Sta. 161+22.17 60.69' Lt.

PINE AVENUE

30.00'

(148.45')

Existing R.O.W. Line as Doc. 75292

Proposed P.T. #3 Sta. 160+71.38

160+00

Sta. 160+61.60 48.95' Rt.
Prop. P.T. #2 Ramp "A" Sta. 28+75.28

Proposed ℄ Pavement Illinois Route 31 Bypass N80°32'57"E

(148.69')

(148.91')

See Sheet 20 & 20A for Parcel 1FH0022

(149.13')

1FH0022

(149.36')

(27.68')

P.O.B. 1FH0021A.C.-B Sta. 160+50.07 150.00' Rt.

N0°48'02"E 9.66'

(A=54.64')
R=246.00'

(149.59')

(149.82')

(A=93.93')
A=94.33'
R=246.00'

Block 48

ASH STREET

(374.65')

Existing R.O.W. Line as Doc. 75292

303.01' (302.81')

S0°28'03"W 280.14' (279.94')

E. Line NW 1/4 Fract'l. SW 1/4 Sec. 27-43-8
E. Line NE 1/4 Sec. 34-43-8
-1552.34' (1552.28')
-(18.25 Chains)

70.01'
N89°39'50"E

SEE SHEET 18A

1249.33'
S0°28'03"W

FRANK E. MERRILL & Co's. UNIT No. 4 ALGONQUIN HILLS SUBDIVISION
Recorded October 9, 1926 as Document No. 75292

SEE SHEET 22

SEE SHEET 20

| COORDINATE TABLE | | | |
|---|---|---|---|
| STATION | OFFSET | NORTH | EAST |
| 160+71.38 | 200.00' Lt. | 2,007,018.921 | 995,548.734 |
| 160+97.88 | 94.97' Lt. | 2,006,919.667 | 995,592.127 |
| 161+22.17 | 60.69' Lt. | 2,006,889.840 | 995,621.710 |

| EXISTING R.O.W. RECORDED INFORMATION | | |
|---|---|---|
| Parcel | Document No. | Date Recorded |
| 1FH0021 | 75292 | October 9, 1926 |

RECEIVED
JAN 25 2012
PLATS & LEGALS

Added Parcel 1FH0021T.E.-H, Changed Parcel 1FH0021 to 1FH0021P.E.-C
Added Parcels 1FH0021, 1FH0021T.E.-F & G, Changed Parcels 1FH0021-A & B to 1FH0021P.E.-A & B, Eliminated Parcels 1FH0021T.E.-A & C
Ownership & P.I.N. Parcel 1FH0021
Total Holdings Parcel 1FH0021
Configuration Parcel 1FH0021, Added Access Control Lines & Revised Ramp "A" & "D" Alignments

| REVISION DATE | REVISION | MADE BY |
|---|---|---|
| January 19, 2012 | | |
| January 16, 2012 | | |
| September 14, 2010 | | |
| June 11, 2010 | | |
| February 25, 2010 | | |

## LEGEND

SECTION CORNER

QUARTER SECTION CORNER

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

N

SCALE: 1"=50'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

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

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

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

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

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

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

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS )
)SS
COUNTY OF LAKE )

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

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

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

| COORDINATE TABLE | | | |
|---|---|---|---|
| STATION | OFFSET | NORTH | EAST |
| 149+92.83 | 270.24' Lt. | 2,006,211.585 | 994,577.711 |
| 150+67.63 | 240.00' Lt. | 2,006,273.345 | 994,629.631 |
| 150+67.63 | 270.00' Lt. | 2,006,282.636 | 994,601.106 |
| 150+70.41 | 39.50' Lt. | 2,006,214.001 | 994,821.169 |
| 150+98.93 | 81.32' Rt. | 2,006,200.808 | 994,944.446 |
| 153+45.02 | 150.00' Rt. | 2,006,359.221 | 995,104.298 |
| 154+00.00 | 240.00' Lt. | 2,006,640.009 | 994,827.807 |
| 154+00.00 | 270.00' Lt. | 2,006,658.782 | 994,804.407 |
| 154+55.03 | 200.00' Lt. | 2,006,685.949 | 994,902.468 |
| 154+55.03 | 240.00' Lt. | 2,006,692.800 | 994,872.821 |
| 155+82.60 | ℄ | 2,006,620.011 | 995,142.610 |
| 160+50.07 | 150.00' Rt. | 2,006,670.539 | 995,588.646 |
| 160+61.60 | 48.95' Rt. | 2,006,771.778 | 995,580.489 |

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

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

# PLAT OF HIGHWAYS
## STATE OF ILLINOIS
## DEPARTMENT OF TRANSPORTATION

F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 150+00 TO STATION 162+00
SCALE: 1"=50' SHEET 19 OF 37

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

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

| ROW PLAT | DATE | | | | | | |
|---|---|---|---|---|---|---|---|
| | BY | | | | | | |
| | MADE | | | | | | |
| | CHECKED | | | | | | |
| | TRACED | | | | | | |
| NOTEBOOK NO | | | | | | | |

FILE NAME = ...\D168F78-sht-PH-07.dgn

| | | | |
|---|---|---|---|
| USER NAME = ctb | DESIGNED - | | REVISED - |
| | DRAWN - | JORGENSEN & ASSOC. | REVISED - |
| PLOT SCALE = 600.0000 ' / Ft. | CHECKED - | CJ | REVISED - |
| PLOT DATE = 1/27/2012 | DATE - | 1/20/2012 | REVISED - |

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

**PLAT OF HIGHWAYS**

SCALE: N.T.S. SHEET NO. 7 OF 15 SHEETS

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 56 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

SEE SHEET 22

See Sheets 18, 19 & 22 for Parcel 1FH0021P.E.–B & 1FH0021T.E.–B, D, F & H

| PARCEL NUMBER | OWNER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---|---|---|---|---|---|---|---|---|---|
| 1FH0022P.E. | Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278 | 2.970 | N/A | N/A | 2.970 | 2.970 | Highway Purposes | 19-27-176-001<br>19-27-176-003<br>19-27-176-004<br>19-27-176-005<br>19-27-176-006<br>19-27-176-007(Pt.)<br>19-27-326-006<br>19-27-326-007<br>19-27-326-009<br>19-27-326-010<br>19-27-326-011<br>19-27-326-012<br>19-27-326-013 | |
| 1FH0023P.E. | Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278 | 2.262 | N/A | N/A | 2.262 | 2.262 | Highway Purposes | 19-27-177-001<br>19-27-177-003<br>19-27-327-006<br>19-27-327-007 | |

| EXISTING R.O.W. RECORDED INFORMATION | | |
|---|---|---|
| Parcel | Document No. | Date Recorded |
| 1FH0022 | 75292 | October 9, 1926 |
| 1FH0023 | 75292 | October 9, 1926 |
| ---- | 75292 | October 9, 1926 |

Proposed ℄ Pavement
Illinois Route 31 Bypass
Curve #4

P.I. = Sta. 174+59.45
Δ = 80°38'27"
R = 920.05'
T = 780.83'
L = 1294.93'
E = 286.67'
P.C. = Sta. 166+78.62
P.T. = Sta. 179+73.55

Proposed Permanent Easement Line & Proposed Access Control Line A/C

1FH0021P.E.–B

| COORDINATE TABLE | | | |
|---|---|---|---|
| STATION | OFFSET | NORTH | EAST |
| 164+13.23 | 355.68' Rt. | 2,006,526.920 | 995,977.188 |
| 164+16.86 | 13.41' Lt. | 2,006,891.588 | 995,920.162 |
| 164+20.12 | 316.27' Rt. | 2,006,566.922 | 995,977.514 |
| 164+40.79 | 198.05' Rt. | 2,006,686.929 | 995,978.494 |
| 164+49.20 | 150.00' Rt. | 2,006,735.709 | 995,978.892 |
| 164+76.11 | 3.90' Lt. | 2,006,891.940 | 995,980.167 |
| 165+46.53 | 377.06' Rt. | 2,006,527.712 | 996,112.191 |
| 165+53.42 | 337.66' Rt. | 2,006,567.714 | 996,112.517 |
| 165+74.09 | 219.44' Rt. | 2,006,687.721 | 996,113.496 |
| 166+78.62 | 150.00' Rt. | 2,006,773.380 | 996,205.201 |
| 167+17.17 | 150.00' Rt. | 2,006,781.665 | 996,249.259 |
| 167+40.02 | 41.01' Rt. | 2,006,893.522 | 996,250.172 |
| 167+95.16 | 56.20' Rt. | 2,006,893.874 | 996,310.177 |

| Schedule of Ties | | |
|---|---|---|
| Point Number ☐ | Tie to point | Tie Distance (feet) |
| 1 | T1<br>T2<br>T3 | 36.05<br>18.77<br>14.14 |
| 2 | T1<br>T2<br>T3 | 16.54<br>24.65<br>43.06 |
| 3 | T1<br>T2<br>T3 | 35.12<br>22.02<br>23.51 |
| 4 | T1<br>T2<br>T3 | |
| 5 | T1<br>T2<br>T3 | |
| 6 | T1<br>T2<br>T3 | |
| 7 | T1<br>T2<br>T3 | |

| Schedule of Ties | | |
|---|---|---|
| Point Number ☐ | Tie to point | Tie Distance (feet) |
| 8 | T1<br>T2<br>T3 | |
| 9 | T1<br>T2<br>T3 | |
| 10 | T1<br>T2<br>T3 | |
| 11 | T1<br>T2<br>T3 | |
| 12 | T1<br>T2<br>T3 | |
| 13 | T1<br>T2<br>T3 | |

## LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

N

SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

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

STATE OF ILLINOIS }
}SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND ARE ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____, 20____ A.D.

_____
PRESIDENT

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

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

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

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182 - E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

| COORDINATE TABLE | | | |
|---|---|---|---|
| STATION | OFFSET | NORTH | EAST |
| 160+61.60 | 48.95' Rt. | 2,006,771.778 | 995,580.489 |
| 160+84.05 | 150.06' Rt. | 2,006,675.589 | 995,618.718 |
| 160+97.88 | 94.97' Lt. | 2,006,919.667 | 995,592.127 |
| 161+22.17 | 60.69' Lt. | 2,006,889.840 | 995,621.710 |
| 161+38.34 | 144.00' Rt. | 2,006,690.583 | 995,671.268 |
| 161+64.97 | 150.00' Rt. | 2,006,689.038 | 995,698.522 |
| 161+66.02 | 144.00' Rt. | 2,006,695.128 | 995,698.572 |
| 162+05.87 | 322.41' Rt. | 2,006,525.689 | 995,767.181 |
| 162+12.76 | 283.00' Rt. | 2,006,565.691 | 995,767.508 |
| 162+62.25 | 45.00' Rt. | 2,006,808.588 | 995,777.246 |
| 163+53.98 | 346.17' Rt. | 2,006,526.568 | 995,917.183 |
| 163+60.87 | 306.76' Rt. | 2,006,566.570 | 995,917.510 |
| 163+88.28 | 150.00' Rt. | 2,006,725.707 | 995,918.808 |

RECEIVED
JAN 25 2012
PLATS & LEGALS

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

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

# PLAT OF HIGHWAYS
## STATE OF ILLINOIS
## DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 160+71.38 TO STATION 168+00
SCALE: 1"=30' SHEET 20 OF 37

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

SEE SHEET 19
SEE SHEET 21
SEE SHEET 20A

ROUTE 31 BYPASS
PROPOSED ILLINOIS
PINE AVENUE
BIRCH STREET
ASH STREET
ELM STREET
PROPOSED RAMP "A"
Block 48
Block 47
Block 46
FRANK E. MERRILL & Co's. UNIT No. 4 ALGONQUIN HILLS SUBDIVISION Recorded October 9, 1926 as Document No. 75292
1FH0022P.E.
1FH0023P.E.
P.O.B. 1FH0022P.E. P.O.C. 1FH0022A.C. Sta. 164+16.86 13.41' Lt.
P.O.B. 1FH0022A.C. Sta. 163+88.28 150.00' Rt.
P.O.B. 1FH0023A.C. Sta. 167+17.17 150.00' Rt.
P.O.C. 1FH0023A.C. Sta. 167+40.02 41.01' Rt.
Proposed P.C. #4 Sta. 166+78.62
Proposed P.T. #3 Sta. 160+71.38
Sta. 160+97.88 94.97' Lt.
Sta. 161+22.17 60.69' Lt.
Sta. 161+38.34 144.00' Rt.
Sta. 161+64.97 150.00' Rt.
Sta. 161+66.02 144.00' Rt.
Sta. 162+05.87 322.41' Rt.
Sta. 162+12.76 283.00' Rt.
Sta. 162+62.25 45.00' Rt.
Sta. 163+53.98 346.17' Rt.
Sta. 163+60.87 306.76' Rt.
Sta. 163+88.28 150.00' Rt.
Sta. 164+13.23 355.68' Rt.
Sta. 164+16.86 13.41' Lt.
Sta. 164+20.12 316.27' Rt.
Sta. 164+40.79 198.05' Rt.
Sta. 164+49.20 150.00' Rt.
Sta. 164+76.11 3.90' Lt.
Sta. 165+46.53 377.06' Rt.
Sta. 165+53.42 337.66' Rt.
Sta. 165+74.09 219.44' Rt.
Sta. 166+78.62 150.00' Rt.
Sta. 167+17.17 150.00' Rt.
Sta. 167+40.02 41.01' Rt.
Sta. 167+95.16 56.20' Rt.
Sta. 30+75.45 Prop. ℄ Ramp "A"
Sta. 160+61.60 48.95' Rt. Prop. ℄ Ramp "A" Sta. 28+75.28
Proposed ℄ Pavement Illinois Route 31 Bypass R=920.05' A=1294.93'
Proposed ℄ Pavement Illinois Route 31 Bypass N80°32'57"E
Proposed Access Control Line A/C
S. Line NW 1/4 Sec. 27-43-8
N. Line Fract'l. SW 1/4 Sec. 27-43-8
2645.75' N89°39'50"E
See Sheet 20A for Continuation of Parcel 1FH0022P.E.
See Sheet 20A for Continuation of Parcel 1FH0023P.E.
See Sheet 33 for Total Holdings Parcel 1FH0022P.E.
See Sheet 33 for Total Holdings Parcel 1FH0023P.E.

| REVISION DATE | REVISION |
|---|---|
| January 23, 2012 | Changed Parcels 1FH0022 & 1FH0023 to 1FH0022P.E. & 1FH0023P.E. |
| January 19, 2012 | Configuration Parcels 1FH0022 & 1FH0023, Eliminated Parcels 1FH0022T.E. & 1FH0023T.E. |
| January 11, 2012 | Added Parcels 1FH0022T.E. & 1FH0023T.E. |
| September 15, 2010 | Ownership Parcels 1FH0022 & 1FH0023 |
| June 10, 2010 | Total Holdings & Configuration Parcel 1FH0022 |
| February 26, 2010 | Configuration Parcels 1FH0022 & 1FH0023 |

MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

| ROW PLAT | NOTEBOOK NO | MADE | CHECKED | APPROVED | DATE |
|---|---|---|---|---|---|
| | | | | | |

FILE NAME = ...\0160F78-sht-PH-28.dgn

| | | | |
|---|---|---|---|
| USER NAME = ctb | DESIGNED - | | REVISED - |
| | DRAWN - | JORGENSEN & ASSOC. | REVISED - |
| PLOT SCALE = 600.0000 ' / ft. | CHECKED - | CJ | REVISED - |
| PLOT DATE = 1/27/2012 | DATE - | 1/20/2012 | REVISED - |

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

**PLAT OF HIGHWAYS**

SCALE: N.T.S. SHEET NO. 8 OF 15 SHEETS

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 57 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

| PARCEL NUMBER | OWNER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---|---|---|---|---|---|---|---|---|---|
| 1FH0022P.E. | Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278 | 2.970 | N/A | N/A | 2.970 | 2.970 | Highway Purposes | 19-27-176-001<br>19-27-176-003<br>19-27-176-004<br>19-27-176-005<br>19-27-176-006<br>19-27-176-007(Pt.)<br>19-27-326-006<br>19-27-326-007<br>19-27-326-009<br>19-27-326-010<br>19-27-326-011<br>19-27-326-012<br>19-27-326-013 | |
| 1FH0023P.E. | Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278 | 2.262 | N/A | N/A | 2.262 | 2.262 | Highway Purposes | 19-27-177-001<br>19-27-177-003<br>19-27-327-006<br>19-27-327-007 | |

| EXISTING R.O.W. RECORDED INFORMATION | | |
|---|---|---|
| Parcel | Document No. | Date Recorded |
| 1FH0022 | 75292 | October 9, 1926 |
| 1FH0023 | 75292 | October 9, 1926 |
| ---- | 75292 | October 9, 1926 |

Proposed ℄ Pavement
Illinois Route 31 Bypass
Curve #4

P.I. = Sta. 174+59.45
Δ = 80°38'27"
R = 920.05'
T = 780.83'
L = 1294.93'
E = 286.67'
P.C. = Sta. 166+78.62
P.T. = Sta. 179+73.55

SEE SHEET 22

SEE SHEET 19

SEE SHEET 20

SEE SHEET 21

ROUTE 31 BYPASS

PROPOSED ILLINOIS

PINE AVENUE

ASH STREET

BIRCH STREET

ELM STREET

Existing R.O.W. Line as Doc. 75292

Proposed P.C. #4 Sta. 166+78.62

Proposed ℄ Pavement Illinois Route 31 Bypass R=920.05' Δ=80°38'27" L=1294.93'

S89°39'51"W 1305.50'

N89°39'51"E 298.46'

N89°39'51"E 270.01'

N80°32'57"E 607.24'

Proposed P.I. #3 Sta. 160+77.35

N07°48'02"E 214.17'

Sta. 161+22.17 60.69' Lt.

Sta. 164+76.11 3.90' Lt.

Sta. 165+00

Sta. 167+95.16 56.20' Rt.

60.00'

30.00'

P.O.B. 1FH0022P.E.
P.O.C. 1FH0022A.C.
Sta. 164+16.86
13.41' Lt.

P.O.C. 1FH0023A.C.
Sta. 167+40.02
41.01' Rt.

See Sheet 20 for Continuation of Parcel 1FH0022P.E.

See Sheet 20 for Continuation of Parcel 1FH0023P.E.

E. Line SW 1/4 NW 1/4 Sec. 27-43-8

W. Line SE 1/4 NW 1/4 Sec. 27-43-8

S. Line NW 1/4 Sec. 27-43-8

N. Line Fract'l. SW 1/4 Sec. 27-43-8

2645.75' N89°39'50"E

E. Line NW 1/4 Fract'l. Sec. 27-43-8 S0°28'03"W 2634.41'(1582.28')

Existing R.O.W. Line as Doc. 75292 N0°28'03"E 1552.34'

Existing R.O.W. Line as Doc. 75292 N0°28'03"E 303.01'(302.29')

S0°28'03"W 326.03'

S0°28'03"W 485.54'

Existing R.O.W. Line as Doc. 75292 N0°28'03"E

Existing R.O.W. Line as Doc. 75292 N0°28'03"E 374.87'(374.65')

Existing R.O.W. Line as Doc. 75292 N0°28'03"E 120.01'

Existing R.O.W. Line as Doc. 75292 N0°28'03"E 120.01'

Existing R.O.W. Line as Doc. 75292 N0°28'03"E 120.01'

Block 48

Block 47

Block 46

Block 2

Block 50

Block 51

1FH0022P.E.

1FH0023P.E.

Sta. 162+12.76 283.00' Rt.

Sta. 163+60.87 306.76' Rt.

Sta. 163+53.98 346.17' Rt.

Sta. 162+05.87 322.41' Rt.

Sta. 161+85.20 440.62' Rt.

Sta. 163+33.31 464.39' Rt.

Sta. 161+78.31 480.03' Rt.

Sta. 163+26.42 503.79' Rt.

Sta. 161+01.45 513.27' Rt.

Sta. 163+22.07 528.70' Rt.

Sta. 162+99.20 545.00' Rt.

Sta. 164+20.12 316.27' Rt.

Sta. 165+53.42 337.66' Rt.

Sta. 164+13.23 355.68' Rt.

Sta. 165+46.53 377.06' Rt.

Sta. 165+25.86 495.28' Rt.

Sta. 166+59.16 516.66' Rt.

See Sheet 33 for Total Holdings Parcel 1FH0022P.E.

See Sheet 33 for Total Holdings Parcel 1FH0023P.E.

FRANK E. MERRILL & Co's. UNIT No. 4 ALGONQUIN HILLS SUBDIVISION
Recorded October 9, 1926 as Document No. 75292

SCENIC VIEW SUBDIVISION
Recorded May 24, 1977 as Document No. 695627
Corrected by Affidavits Recorded January 31, 1978 as Document No. 721996, Recorded February 1, 1978 as Document No. 722184 & Recorded April 6, 1983 as Document No. 852218

Δ=89°11'47" A=31.14' R=20.00' Ch. Br. S45°03'57"W Ch.=28.09'

R=200.28' S89°39'50"W

R=20.00'

ARROWHEAD DRIVE (Maple Avenue)

Existing R.O.W. Line as Doc. 75292 N89°39'50"E

Existing R.O.W. Line as Doc. 75292 S89°39'50"W

60.00'

| Schedule of Ties | | |
|---|---|---|
| Point Number ☐ | Tie to point | Tie Distance (feet) |
| 1 | T1 T2 T3 | |
| 2 | T1 T2 T3 | |
| 3 | T1 T2 T3 | |
| 4 | T1 T2 T3 | |
| 5 | T1 T2 T3 | |
| 6 | T1 T2 T3 | |
| 7 | T1 T2 T3 | |
| 8 | T1 T2 T3 | |
| 9 | T1 T2 T3 | |
| 10 | T1 T2 T3 | |
| 11 | T1 T2 T3 | |
| 12 | T1 T2 T3 | |
| 13 | T1 T2 T3 | |
| 14 | T1 T2 T3 | |

DATE | BY | ROW PLAT MADE CHECKED CHKED NOTEBOOK NO

| COORDINATE TABLE | | | |
|---|---|---|---|
| STATION | OFFSET | NORTH | EAST |
| 164+13.23 | 355.68' Rt. | 2,006,526.920 | 995,977.188 |
| 164+16.86 | 13.41' Lt. | 2,006,891.588 | 995,920.162 |
| 164+20.12 | 316.27' Rt. | 2,006,566.922 | 995,977.514 |
| 164+76.11 | 3.90' Lt. | 2,006,891.940 | 995,980.167 |
| 165+25.86 | 495.28' Rt. | 2,006,407.705 | 996,111.211 |
| 165+46.53 | 377.06' Rt. | 2,006,527.712 | 996,112.191 |
| 165+53.42 | 337.66' Rt. | 2,006,567.714 | 996,112.517 |
| 166+59.16 | 516.66' Rt. | 2,006,408.497 | 996,246.214 |
| 167+40.02 | 41.01' Rt. | 2,006,893.522 | 996,250.172 |
| 167+95.16 | 56.20' Rt. | 2,006,893.874 | 996,310.177 |

## LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

N

SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

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

RECEIVED
JAN 25 2012
PLATS & LEGALS

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

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

_____ PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

| COORDINATE TABLE | | | |
|---|---|---|---|
| STATION | OFFSET | NORTH | EAST |
| 161+01.45 | 513.27' Rt. | 2,006,320.267 | 995,695.512 |
| 161+22.17 | 60.69' Lt. | 2,006,889.840 | 995,621.710 |
| 161+78.31 | 480.03' Rt. | 2,006,365.680 | 995,765.875 |
| 161+85.20 | 440.62' Rt. | 2,006,405.682 | 995,766.202 |
| 162+05.87 | 322.41' Rt. | 2,006,525.689 | 995,767.181 |
| 162+12.76 | 283.00' Rt. | 2,006,565.691 | 995,767.508 |
| 162+99.20 | 545.00' Rt. | 2,006,321.442 | 995,895.789 |
| 163+22.07 | 528.70' Rt. | 2,006,341.278 | 995,915.671 |
| 163+26.42 | 503.79' Rt. | 2,006,366.560 | 995,915.877 |
| 163+33.31 | 464.39' Rt. | 2,006,406.562 | 995,916.204 |
| 163+53.98 | 346.17' Rt. | 2,006,526.568 | 995,917.183 |
| 163+60.87 | 306.76' Rt. | 2,006,566.570 | 995,917.510 |

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

*SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.*

# PLAT OF HIGHWAYS
## STATE OF ILLINOIS
## DEPARTMENT OF TRANSPORTATION
*F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)*

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 160+71.38 TO STATION 168+00
SCALE: 1"=30' SHEET 20A OF 37

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

REVISION DATE January 23, 2012 REVISION Changed Parcels 1FH0022 & 1FH0023 to 1FH0022P.E. & 1FH0023P.E. MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03 RECORDING: RECORDED ON AS DOCUMENT NO.

FILE NAME = ...\D160F78-sht-PH-09.dgn

| | | | |
|---|---|---|---|
| USER NAME = ctb | DESIGNED - | | REVISED - |
| | DRAWN - | JORGENSEN & ASSOC. | REVISED - |
| PLOT SCALE = 600.0000 ' / ft. | CHECKED - | CJ | REVISED - |
| PLOT DATE = 1/27/2012 | DATE - | 1/20/2012 | REVISED - |

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

**PLAT OF HIGHWAYS**

SCALE: N.T.S. SHEET NO. 9 OF 15 SHEETS

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 58 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

SEE SHEET 22

Proposed ℄ Pavement
Illinois Route 31 Bypass
Curve #4

P.I. = Sta. 174+59.45
Δ = 80°38'27"
R = 920.05'
T = 780.83'
L = 1294.93'
E = 286.67'
P.C. = Sta. 166+78.62
P.T. = Sta. 179+73.55

Proposed ℄ Pavement Illinois Route 31 Bypass R=920.05' Δ=80°38'27" L=1294.93'

PROPOSED ILLINOIS ROUTE 31 BYPASS

1FH0021P.E.-B

| EXISTING R.O.W. RECORDED INFORMATION | | |
|---|---|---|
| Parcel | Document No. | Date Recorded |
| 1FH0024 | 75292 | October 9, 1926 |
| ---- | 75292 | October 9, 1926 |
| ---- | 97R 037525 | August 6, 1997 |

See Sheet 22 for Parcel 1FH0021P.E.-B, 1FH0021T.E.-D & 1FH0021T.E.-H

| PARCEL NUMBER | OWNER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---|---|---|---|---|---|---|---|---|---|
| 1FH0024P.E | Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278 | 2.634 | N/A | N/A | 2.634 | 2.634 | Highway Purposes | 19-27-178-001<br>19-27-178-002<br>19-27-328-001<br>19-27-328-002<br>19-27-328-003<br>19-27-328-005 | |

Existing R.O.W. Line as Doc. 75292 S89°39'51"W -1305.50'-

PINE AVENUE

Existing R.O.W. Line as Doc. 75292 N89°39'51"E -270.01'-

Sta. 167+95.16 56.20' Rt.

Sta. 167+40.02 41.01' Rt.

P.O.B. 1FH0024A.C. Sta. 169+86.55 150.00' Rt.

S89°39'51"W 27.63'

P.O.C. 1FH0024A.C. Sta. 170+17.24 163.73' Rt.

Sta. 170+38.94 179.13' Rt.

Existing R.O.W. Line as Doc. 75292 N89°39'51"E -301.13'(300.70')-

Δ=14°05'15" Ch. Br. S51°47'37"W Ch. =252.44' R=1070.05' A=263.10'

Proposed Access Control Line

Sta. 167+70.34 150.00' Rt.

1FH0024P.E

Block 46

Existing R.O.W. Line as Doc. 75292 S0°28'03"W -325.03'-

Existing R.O.W. Line as Doc. 97R 037525 N0°28'03"E -328.03'-

Existing R.O.W. Line as Doc. 75292 S0°28'03"W 325.04'

Existing R.O.W. Line as Doc. 97R 037525 N0°28'03"E 280.02'(280.01')

ELM STREET

OAK STREET

FRANK E. MERRILL & Co's. UNIT No. 4 ALGONQUIN HILLS SUBDIVISION Recorded October 9, 1926 as Document No. 75292

See Sheet 34 for Total Holdings Parcel 1FH0024P.E.

S. Line NW 1/4 Sec. 27-43-8

-2645.75'- N89°39'50"E

N. Line Fract'l. SW 1/4 Sec. 27-43-8

See Sheet 21A for Continuation of Parcel 1FH0024P.E.

SEE SHEET 21A

SEE SHEET 20

FUHLER'S RESUBDIVISION OF ALGONQUIN HILLS SUBDIVISION UNIT NO. 4
Recorded August 6, 1997 as Document No. 97R 037525

LOT 1

WILLOW COURT

-349.47'(349.28')- S89°39'50"W

Existing R.O.W. Line as Doc. 97R 037525

Existing R.O.W. Line as Doc. 75292 N89°39'50"E

Block 45

| REVISION DATE | REVISION |
|---|---|
| January 23, 2012 | Changed Parcel 1FH0024 to 1FH0024P.E. |
| January 19, 2012 | Configuration Parcel 1FH0024, Eliminated Parcel 1FH0024T.E. |
| January 11, 2012 | Configuration Parcel 1FH0024T.E. |
| September 15, 2010 | Ownership Parcel 1FH0024 |
| February 27, 2010 | Configuration Parcel 1FH0024, Eliminated Parcel 1FH0025 MADE BY |

## LEGEND

SECTION CORNER

QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
℄ PROPERTY (DEED) LINE
APL APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA

EXISTING BUILDING

N

SCALE: 1"=20'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

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

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

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

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

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

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

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

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

_____ PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

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

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

| COORDINATE TABLE | | | |
|---|---|---|---|
| STATION | OFFSET | NORTH | EAST |
| 167+40.02 | 41.01' Rt. | 2,006,893.522 | 996,250.172 |
| 167+70.34 | 150.00' Rt. | 2,006,796.107 | 996,309.379 |
| 167+95.16 | 56.20' Rt. | 2,006,893.874 | 996,310.177 |
| 169+96.55 | 150.00' Rt. | 2,006,895.293 | 996,552.350 |
| 170+17.24 | 163.73' Rt. | 2,006,895.456 | 996,580.182 |
| 170+38.94 | 179.13' Rt. | 2,006,895.632 | 996,610.184 |

RECEIVED
JAN 25 2012
PLATS & LEGALS

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

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

# PLAT OF HIGHWAYS
## STATE OF ILLINOIS
## DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 167+00 TO STATION 170+00
SCALE: 1"=20' SHEET 21 OF 37

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

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

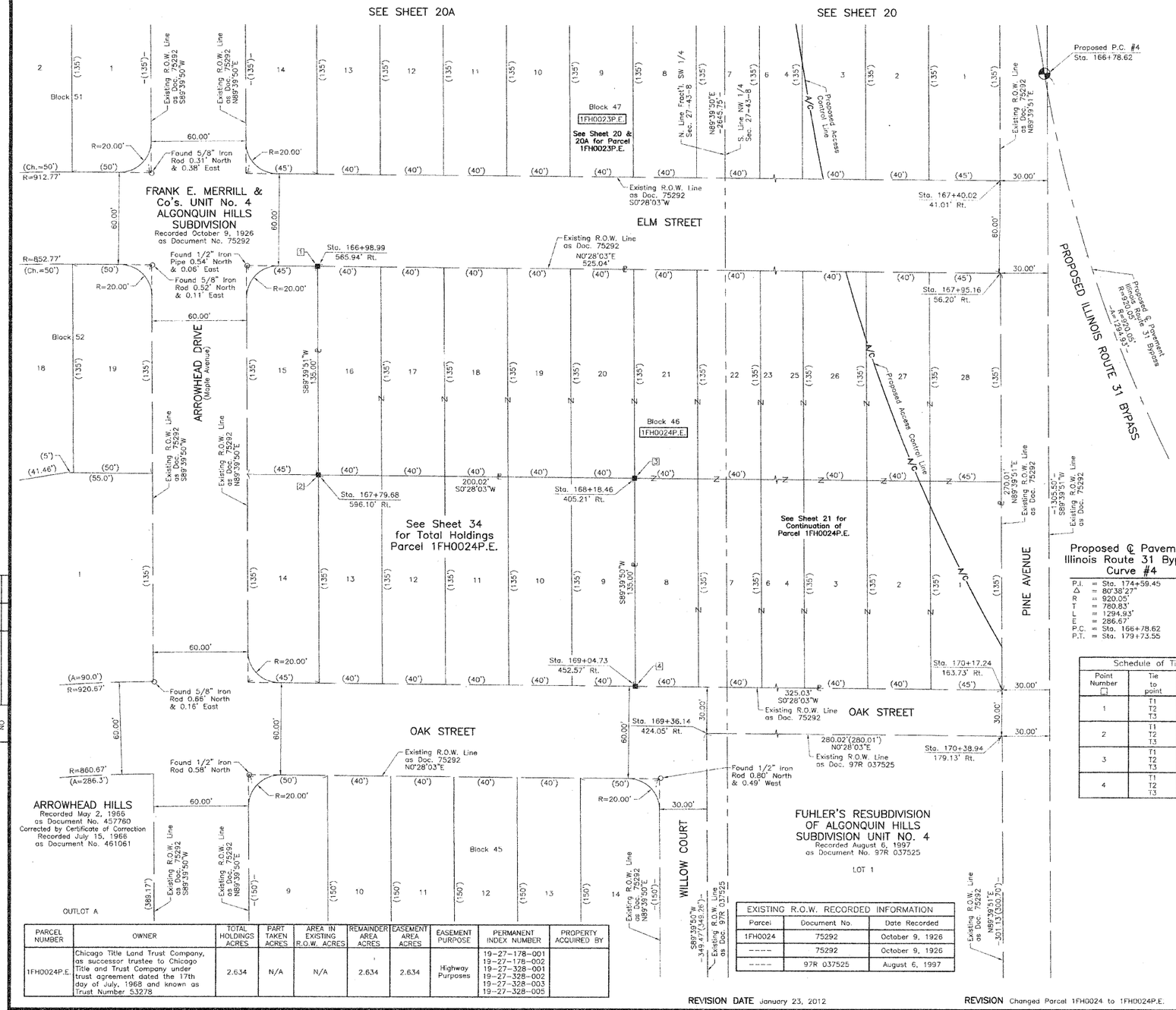
RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT | NOTEBOOK NO | MADE | CHECKED | BY | DATE

| | | | | | |
|---|---|---|---|---|---|
| FILE NAME = ...\D162F78-sht-PH-10.dgn | USER NAME = otb | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PLAT OF HIGHWAYS |
| | | DRAWN - JORGENSEN & ASSOC. | REVISED - | | |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - CJ | REVISED - | | SCALE: N.T.S. SHEET NO. 10 OF 15 SHEETS |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - | | |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 58A |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.




## LEGEND

SECTION CORNER — QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
(129.32') (Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

SCALE: 1"=30'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

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

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF_____, 20___ A.D.

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

_____ PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2012

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

COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.

NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE

| STATION | OFFSET | NORTH | EAST |
|---|---|---|---|
| 166+98.99 | 565.94' Rt. | 2,006,368.847 | 996,305.892 |
| 167+40.02 | 41.01' Rt. | 2,006,893.522 | 996,250.172 |
| 167+95.16 | 56.20' Rt. | 2,006,893.874 | 996,310.177 |
| 167+79.68 | 596.10' Rt. | 2,006,369.638 | 996,440.895 |
| 168+18.46 | 405.21' Rt. | 2,006,569.648 | 996,442.527 |
| 169+04.73 | 452.57' Rt. | 2,006,570.440 | 996,577.530 |
| 169+36.14 | 424.05' Rt. | 2,006,615.619 | 996,607.899 |
| 170+17.24 | 163.73' Rt. | 2,006,895.456 | 996,580.182 |
| 170+38.94 | 179.13' Rt. | 2,006,895.632 | 996,610.184 |

Schedule of Ties

| Point Number | Tie to point | Tie Distance (feet) |
|---|---|---|
| 1 | T1 T2 T3 | |
| 2 | T1 T2 T3 | |
| 3 | T1 T2 T3 | |
| 4 | T1 T2 T3 | |

EXISTING R.O.W. RECORDED INFORMATION

| Parcel | Document No. | Date Recorded |
|---|---|---|
| 1FH0024 | 75292 | October 9, 1926 |
| ---- | 75292 | October 9, 1926 |
| ---- | 97R 037525 | August 6, 1997 |

| PARCEL NUMBER | OWNER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---|---|---|---|---|---|---|---|---|---|
| 1FH0024P.E. | Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278 | 2.634 | N/A | N/A | 2.634 | 2.634 | Highway Purposes | 19-27-178-001<br>19-27-178-002<br>19-27-328-001<br>19-27-328-002<br>19-27-328-003<br>19-27-328-005 | |

RECEIVED
JAN 25 2012
PLATS & LEGALS


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


SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

# PLAT OF HIGHWAYS
## STATE OF ILLINOIS
## DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 166+00 TO STATION 171+00
SCALE: 1"=30' SHEET 21A OF 37

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

| ROW PLAT | MADE | BY | DATE |
|---|---|---|---|
| | CHECKED | | |
| NOTEBOOK NO. | PACED | | |

REVISION DATE January 23, 2012 — REVISION Changed Parcel 1FH0024 to 1FH0024P.E. — MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) — SECTION 96-00209-00-PV — COUNTY McHENRY — JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-PH-11.dgn | USER NAME = ctb | DESIGNED - | REVISED - |
| | | DRAWN - JORGENSEN & ASSOC. | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - CJ | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

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

**PLAT OF HIGHWAYS**

SCALE: N.T.S. | SHEET NO. 11 OF 15 SHEETS

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 58B |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

PART OF THE NORTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.

| PARCEL NUMBER | OWNER | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---|---|---|---|---|---|---|---|---|---|
| 1FH0021P.E.-A | Chicago Title Land Trust Company, as successor trustee to Chicago Title and Trust Company under trust agreement dated the 17th day of July, 1968 and known as Trust Number 53278 | 213.598 | N/A | N/A | 213.598 | P.E.-A=0.531 | Highway Purposes | | |
| 1FH0021P.E.-B | | | | | | P.E.-B=32.099 | Highway Purposes | | |
| 1FH0021P.E.-C | | | | | | P.E.-C=33.894 | Highway Purposes | 19-27-126-004 | |
| 1FH0021T.E.-B | | | | | | T.E.-B=1.414 | Construction Purposes | 19-27-351-002 | |
| 1FH0021T.E.-D | | | | | | T.E.-D=2.981 | Construction Purposes | 19-27-351-014 | |
| 1FH0021T.E.-F | | | | | | T.E.-E=0.129 | Grading | 19-28-200-025 | |
| 1FH0021T.E.-F | | | | | | T.E.-F=0.743 | Grading | 19-28-426-011 | |
| 1FH0021T.E.-G | | | | | | T.E.-G=10.056 | Grading | | |
| 1FH0021T.E.-H | | | | | | T.E.-H=0.470 | Grading | | |

| Schedule of Ties | | |
|---|---|---|
| Point Number | Tie to point | Tie Distance (feet) |
| 1 | T1 | 60.18 |
| | T2 | 28.28 |
| | T3 | 50.96 |
| 2 | T1 | 55.71 |
| | T2 | 18.27 |
| | T3 | 45.20 |
| 3 | T1 | 287.48 |
| | T2 | 250.20 |
| | T3 | 216.29 |
| 4 | T1 | 293.04 |
| | T2 | 244.47 |
| | T3 | 198.50 |
| 5 | T1 | 128.15 |
| | T2 | 11.25 |
| | T3 | 127.43 |
| 6 | T1 | 12.98 |
| | T2 | 125.31 |
| | T3 | 246.31 |
| 7 | T1 | 16.35 |
| | T2 | 136.60 |
| | T3 | 256.85 |
| 8 | T1 | 43.98 |
| | T2 | 53.45 |
| | T3 | 69.17 |
| 9 | T1 | 16.79 |
| | T2 | 38.25 |
| | T3 | 59.31 |

T2 to Point Nos. 8 & 9 is a 5/8" Iron Rod with "TRAVERSE STATION" Cap (Set).

| COORDINATE TABLE | | | |
|---|---|---|---|
| STATION | OFFSET | NORTH | EAST |
| 164+76.11 | 3.90' Lt. | 2,006,891.940 | 995,980.167 |
| 166+78.62 | 200.00' Lt. | 2,007,118.629 | 996,147.731 |
| 166+78.62 | 210.00' Lt. | 2,007,128.494 | 996,146.089 |
| 166+78.62 | 220.00' Lt. | 2,007,138.358 | 996,144.447 |
| 167+40.02 | 41.01' Rt. | 2,006,893.522 | 996,250.172 |
| 167+95.16 | 56.20' Rt. | 2,006,893.874 | 996,310.177 |
| 168+47.73 | 220.00' Lt. | 2,007,171.000 | 996,268.724 |
| 170+17.24 | 163.73' Rt. | 2,006,895.456 | 996,580.182 |
| 170+38.94 | 179.13' Rt. | 2,006,895.632 | 996,610.184 |

| COORDINATE TABLE | | | |
|---|---|---|---|
| STATION | OFFSET | NORTH | EAST |
| 171+16.81 | 210.00' Lt. | 2,007,259.896 | 996,454.732 |
| 171+16.81 | 235.00' Lt. | 2,007,279.930 | 996,439.278 |
| 171+16.81 | 436.42' Lt. | 2,007,441.341 | 996,318.794 |
| 171+16.81 | 460.39' Lt. | 2,007,460.546 | 996,304.458 |
| 171+46.54 | 518.63' Lt. | 2,007,515.148 | 996,279.883 |
| 172+51.90 | 531.40' Lt. | 2,007,554.816 | 996,305.045 |
| 172+74.58 | 482.44' Lt. | 2,007,528.033 | 996,347.267 |
| 174+27.14 | 100.00' Lt. | 2,007,371.106 | 996,709.868 |
| 174+29.61 | 111.12' Lt. | 2,007,379.118 | 996,701.856 |
| 174+31.95 | 235.00' Lt. | 2,007,449.452 | 996,599.857 |
| 176+88.08 | 441.60' Lt. | 2,007,683.557 | 996,485.334 |
| 177+45.58 | 482.62 Lt. | 2,007,722.308 | 996,453.737 |
| 177+62.80 | 395.84' Lt. | 2,007,710.699 | 996,540.204 |
| 177+63.43 | ℄ | 2,007,622.047 | 996,925.994 |
| 177+93.97 | 69.76' Rt. | 2,007,638.500 | 997,000.824 |
| 178+44.62 | 416.14' Lt. | 2,007,759.328 | 996,528.579 |
| 178+50.52 | 69.77' Rt. | 2,007,698.522 | 997,010.693 |
| 178+53.47 | 51.69' Lt. | 2,007,717.277 | 996,890.652 |
| 178+53.47 | 100.00' Lt. | 2,007,723.487 | 996,842.746 |

| EXISTING R.O.W. RECORDED INFORMATION | | |
|---|---|---|
| Parcel | Document No. | Date Recorded |
| 1FH0021 | 75292 | October 9, 1926 |
| 1FH0021 | 484443 | January 29, 1968 |
| ----- | 73664 | June 17, 1926 |
| ----- | 75292 | October 9, 1926 |

Proposed ℄ Pavement Illinois Route 31 Bypass Curve #4
P.I. = Sta. 174+59.45
Δ = 80°38'27"
R = 920.05'
T = 780.83'
L = 1294.93'
E = 286.67'
P.C. = Sta. 166+78.62
P.T. = Sta. 179+73.55

Proposed ℄ Pavement Quarry Access Curve #13
P.I. = Sta. 63+99.57
Δ = 72°07'00"
R = 112.01'
T = 81.55'
L = 140.98'
E = 26.54'
P.C. = Sta. 63+18.02
P.T. = Sta. 64+59.00

Proposed ℄ Pavement Quarry Access Curve #12
P.I. = Sta. 61+60.40
Δ = 62°22'43"
R = 280.02'
T = 169.51'
L = 304.86'
E = 47.31'
P.C. = Sta. 59+90.89
P.T. = Sta. 62+95.75

Proposed ℄ Pavement Main Street Curve #11
P.I. = Sta. 56+27.43
Δ = 32°28'49"
R = 350.02'
T = 101.96'
L = 198.42'
E = 14.55'
P.C. = Sta. 55+25.47
P.T. = Sta. 57+23.89

FRANK E. MERRILL & CO'S. ALGONQUIN HILLS UNIT NO. 1
Recorded June 17, 1926 as Document No. 73664

FRANK E. MERRILL & Co's. UNIT No. 4 ALGONQUIN HILLS SUBDIVISION
Recorded October 9, 1926 as Document No. 75292

FUHLER'S RESUBDIVISION OF ALGONQUIN HILLS SUBDIVISION UNIT NO. 4
Recorded August 6, 1997 as Document No. 97R 037525

SEE SHEET 24

## LEGEND

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

SCALE: 1"=50'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1 T2 T3 **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT.1 BT.2 BT.3 **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS } SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

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

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
COORDINATES ARE BASED ON THE PUBLISHED METRIC COORDINATE VALUES AT FOUND GEODETIC SURVEY CONTROL MONUMENT "MCH31 1A", P.I.D. AJ2855, OF N.613,205.182-E.303,895.917.
NOTE: SURFACE COORDINATES ARE SHOWN.

| COORDINATE TABLE | | | |
|---|---|---|---|
| STATION | OFFSET | NORTH | EAST |
| 56+01.82 | 111.75' Rt. | 2,007,078.484 | 997,002.045 |
| 56+40.47 | 140.72' Rt. | 2,007,138.484 | 997,001.914 |
| 56+41.52 | 11.71' Rt. | 2,007,070.810 | 996,892.061 |
| 60+87.79 | 70.00' Rt. | 2,007,432.721 | 996,588.365 |
| 62+95.75 | 70.00' Rt. | 2,007,446.564 | 996,334.727 |
| 63+17.68 | 70.10' Rt. | 2,007,439.633 | 996,313.587 |
| 64+59.03 | 70.00' Rt. | 2,007,454.839 | 996,266.622 |
| 65+00.05 | 50.00' Rt. | 2,007,476.296 | 996,226.342 |
| 65+00.05 | 70.00' Rt. | 2,007,488.042 | 996,242.529 |
| 68+00.05 | 50.00' Rt. | 2,007,719.105 | 996,050.149 |
| 68+00.05 | 95.00' Lt. | 2,007,633.945 | 995,932.791 |
| 164+16.86 | 13.41' Lt. | 2,006,891.588 | 995,920.162 |

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

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

# PLAT OF HIGHWAYS
## STATE OF ILLINOIS
## DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION 55+00 TO STATION 70+00.11
STATION 163+00 TO STATION 180+00
SCALE: 1"=50' SHEET 22 OF 37

RECEIVED JAN 25 2012 PLATS & LEGALS

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

| DATE | BY | MADE | CHECKED | INKED | ROW PLAT | NOTEBOOK NO. |
|---|---|---|---|---|---|---|
| | | | | | | |

| REVISION DATE | REVISION |
|---|---|
| January 19, 2012 | Added Parcel 1FH0021T.E.-H, Changed Parcel 1FH0021 to 1FH0021P.E.-C |
| January 16, 2012 | Added Parcels 1FH0021, 1FH0021T.E.-F & G, Changed Parcels 1FH0021-A & B |
| September 14, 2010 | to 1FH0021P.E.-A & B, Eliminated Parcels 1FH0021T.E.-A & C |
| June 12, 2010 | |
| February 27, 2010 | Ownership & P.I.N. Parcel 1FH0021 |
| | Total Holdings Parcel 1FH0021 |
| | Configuration Parcel 1FH0021 |

MADE BY

RECORDING: RECORDED ON AS DOCUMENT NO.

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-PH-12.dgn | USER NAME = ctb | DESIGNED - | REVISED - |
| | | DRAWN - JORGENSEN & ASSOC. | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - CJ | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

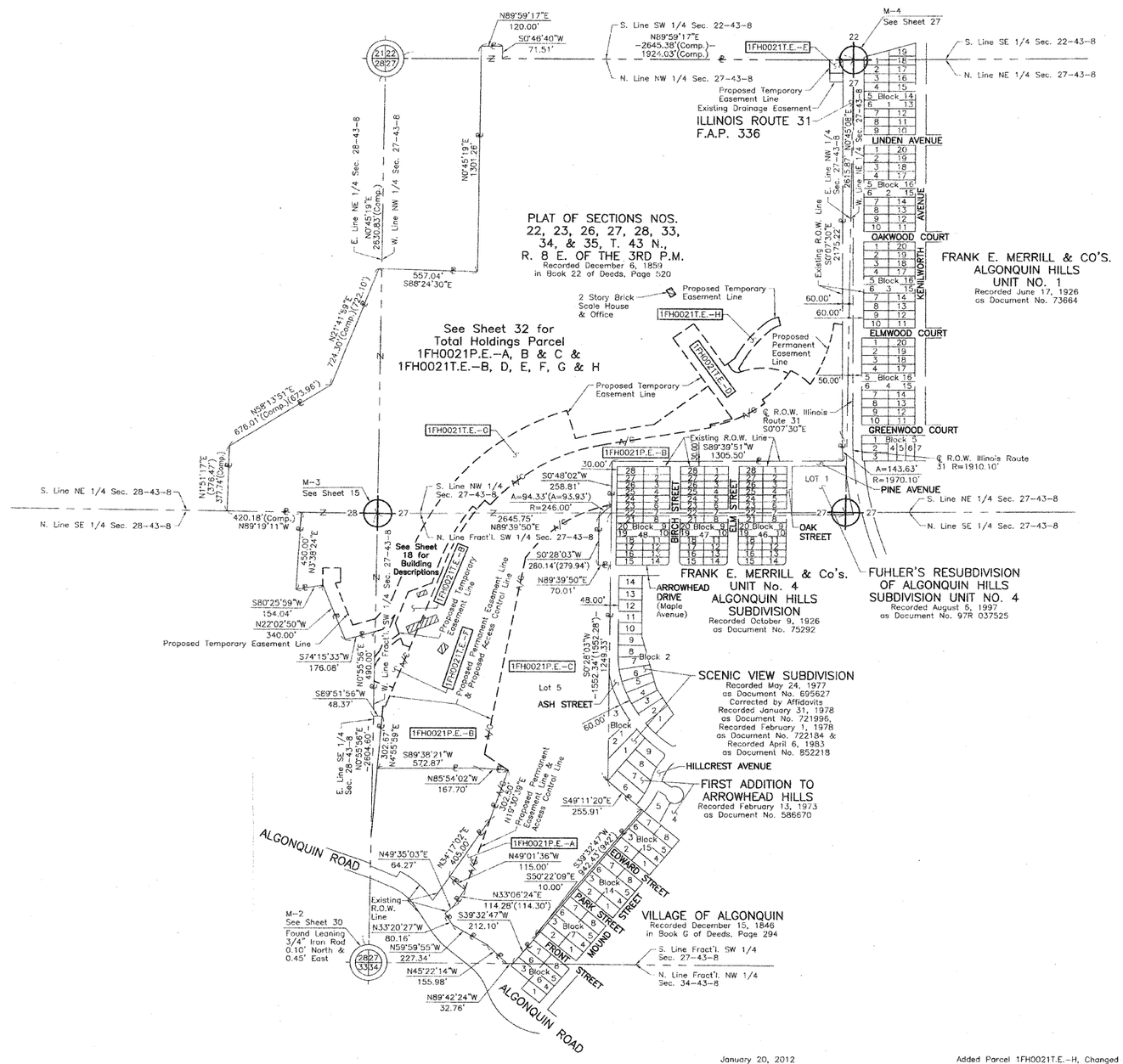
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**PLAT OF HIGHWAYS**

SCALE: N.T.S. SHEET NO. 12 OF 15 SHEETS

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 58C |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

PART OF THE SW 1/4 OF SEC. 22, PART OF THE WEST 1/2 OF SEC. 27 AND PART OF THE EAST 1/2 OF SEC. 28, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.




## LEGEND

SECTION CORNER — QUARTER SECTION CORNER

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL — APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

N

0 300' 600'
SCALE: 1"=300'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

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

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 27, TOWNSHIP 43N., RANGE 8E. AND SECTION 28, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF_____20____ A.D.

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

_____ PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006

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

RECEIVED JAN 25 2012 PLATS & LEGALS


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


SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

# PLAT OF HIGHWAYS
## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)

SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION NONE TO STATION
SCALE: 1"=300' SHEET 32 OF 37

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

| ROW PLAT: | DATE | BY | REVISION |
|---|---|---|---|
| MADE | | | |
| CHECKED | | | |
| INKED | | | |
| NOTEBOOK NO | | | |

January 20, 2012 — Added Parcel 1FH0021T.E.-H, Changed Parcel 1FH0021 to 1FH0021P.E.-C
January 16, 2012 — Added Parcels 1FH0021, 1FH0021T.E.-F & G, Changed Parcels 1FH0021-A & B to 1FH0021P.E.-A & B, Eliminated Parcels 1FH0021T.E.-A & C
June 12, 2010 — Total Holdings Parcel 1FH0021
REVISION DATE March 1, 2010 — REVISION Configuration Parcel 1FH0021 — MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) | SECTION 96-00209-00-PV | COUNTY McHENRY | JOB NO. R-91-022-03 | RECORDING: RECORDED ON | AS DOCUMENT NO.

| | | | |
|---|---|---|---|
| FILE NAME = ...\0160F78-sht-PH-13.dgn | USER NAME = otb | DESIGNED - | REVISED - |
| | | DRAWN - JORGENSEN & ASSOC. | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - CJ | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

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

**PLAT OF HIGHWAYS**

SCALE: N.T.S. | SHEET NO. 13 OF 15 SHEETS

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 58D |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

PART OF THE FRACTIONAL SW 1/4 AND PART OF THE NW 1/4 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.




## LEGEND

SECTION CORNER (9 10 16 15) — QUARTER SECTION CORNER (16 — 15)

N

1

0 40' 80'

SCALE: 1"=40'

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL — APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
120.32' MEASURED DIMENSION
129.32'(Comp.) COMPUTED DIMENSION
( ) RECORD DATA
EXISTING BUILDING

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

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

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

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

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

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

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

□ RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS )
)SS
COUNTY OF LAKE )

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____, 20___ A.D

_____ PRESIDENT

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

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RECEIVED
JAN 25 2012
PLATS & LEGALS


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


SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

| ROW PLAT | NOTEBOOK NO | MADE | CHECKED | LAYED | BY | DATE |
|---|---|---|---|---|---|---|
| | | | | | | |

REVISION DATE
March 1, 2010 — Changed Parcels 1FH0022 & 1FH0023 to 1FH0022P.E. & 1FH0023P.E.
June 11, 2010 — Configuration Parcels 1FH0022 & 1FH0023, Eliminated Parcels 1FH0022T.E. & 1FH0023T.E.
January 11, 2012 — Added Parcels 1FH0022T.E. & 1FH0023T.E.
January 19, 2012 — Total Holdings Parcel 1FH0022
January 23, 2012 — Configuration Parcels 1FH0022 & 1FH0023

MADE BY

# PLAT OF HIGHWAYS
## STATE OF ILLINOIS
## DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION NONE TO STATION
SCALE: 1"=40' SHEET 33 OF 37

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

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

| | | | |
|---|---|---|---|
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| | | DRAWN - JORGENSEN & ASSOC. | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - CJ | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

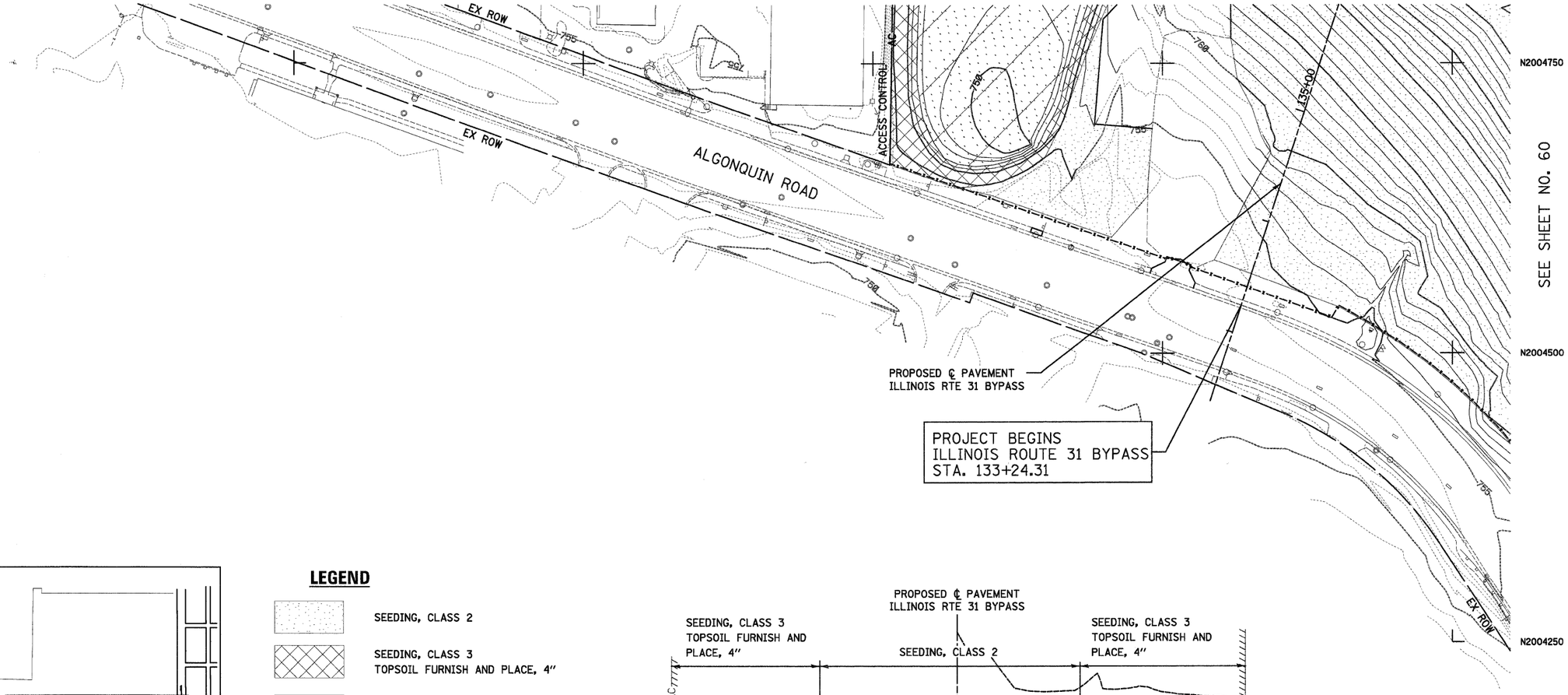
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

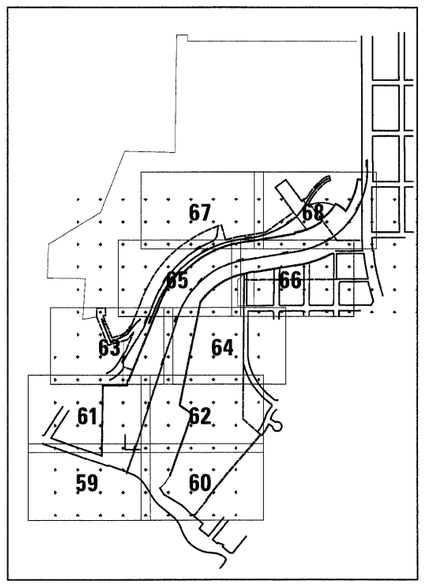
**PLAT OF HIGHWAYS**

SCALE: N.T.S. SHEET NO. 14 OF 15 SHEETS

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 58E |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

SEE SHEET NO. 61

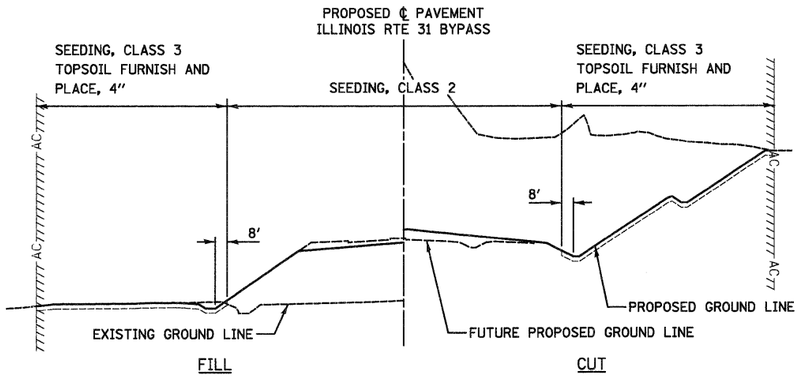



**KEY MAP**

## LEGEND

- SEEDING, CLASS 2
- SEEDING, CLASS 3 TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 4
- SEEDING, CLASS 4B (MODIFIED)
- TEMPORARY EROSION CONTROL SEEDING




**LANDSCAPING TYPICAL SECTION**

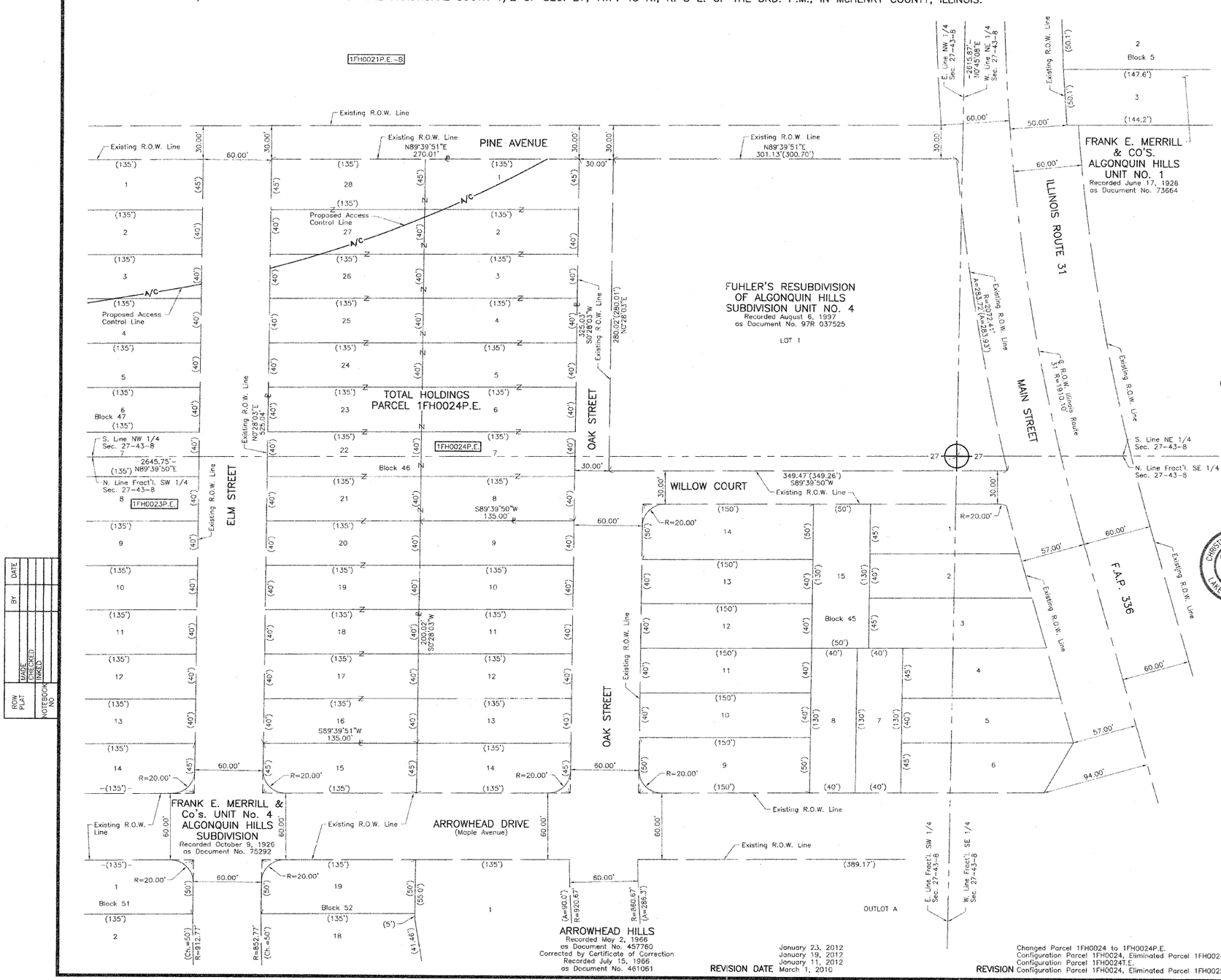
E993750 E994000 E994250 E994500

50 0 50
SCALE IN FEET

| | | | | | |
|---|---|---|---|---|---|
| FILE NAME = ...\D162F78-sht-lndscp-01.dgn | USER NAME = ctb | DESIGNED - CTB | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LANDSCAPING PLAN |
| | | DRAWN - JES | REVISED - | | |
| | PLOT SCALE = 600.2000 ' / ft. | CHECKED - GAB | REVISED - | | SCALE: 1" = 50' SHEET NO. 1 OF 10 SHEETS STA. TO STA. |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 59 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

PART OF THE NORTH 1/2 OF SEC. 27 AND PART OF THE FRACTIONAL SOUTH 1/2 OF SEC. 27, TWP. 43 N., R. 8 E. OF THE 3RD. P.M., IN McHENRY COUNTY, ILLINOIS.




## LEGEND

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

N

SCALE: 1"=40'

Bearings are referenced to the Illinois Coordinate System NAD83 (1997) East Zone at Found Geodetic Survey Control Monuments "MCH31 1A", P.I.D. AJ2855 and "Algonquin", P.I.D. AJ2945.

- ○ IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- \+ CUT CROSS FOUND OR SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 ***THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.*** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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STATE OF ILLINOIS }
}SS
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27, TOWNSHIP 43N., RANGE 8E., OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20___ A.D.

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

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

RECEIVED
JAN 25 2012
PLATS & LEGALS


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


SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

# PLAT OF HIGHWAYS
## STATE OF ILLINOIS
## DEPARTMENT OF TRANSPORTATION
F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS)
SECTION 96-00209-00-PV McHENRY COUNTY
PROJECT JOB NO. R-91-022-03
STATION NONE TO STATION
SCALE: 1"=40' SHEET 34 OF 37

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

REVISION DATE January 23, 2012 — Changed Parcel 1FH0024 to 1FH0024P.E.
January 19, 2012 — Configuration Parcel 1FH0024, Eliminated Parcel 1FH0024T.E.
January 11, 2012 — Configuration Parcel 1FH0024T.E.
March 1, 2010 — Configuration Parcel 1FH0024, Eliminated Parcel 1FH0025 MADE BY

ROUTE F.A.P. 336 (ILLINOIS ROUTE 31 BYPASS) SECTION 96-00209-00-PV COUNTY McHENRY JOB NO. R-91-022-03

RECORDING: RECORDED ON AS DOCUMENT NO.

ROW PLAT MADE / CHECKED / INKED / NOTEBOOK NO / BY / DATE

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-shs-PH-15.dgn | USER NAME = ctb | DESIGNED - | REVISED - |
| | | DRAWN - JORGENSEN & ASSOC. | REVISED - |
| | PLOT SCALE = 620.2020 ' / ft. | CHECKED - CJ | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

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

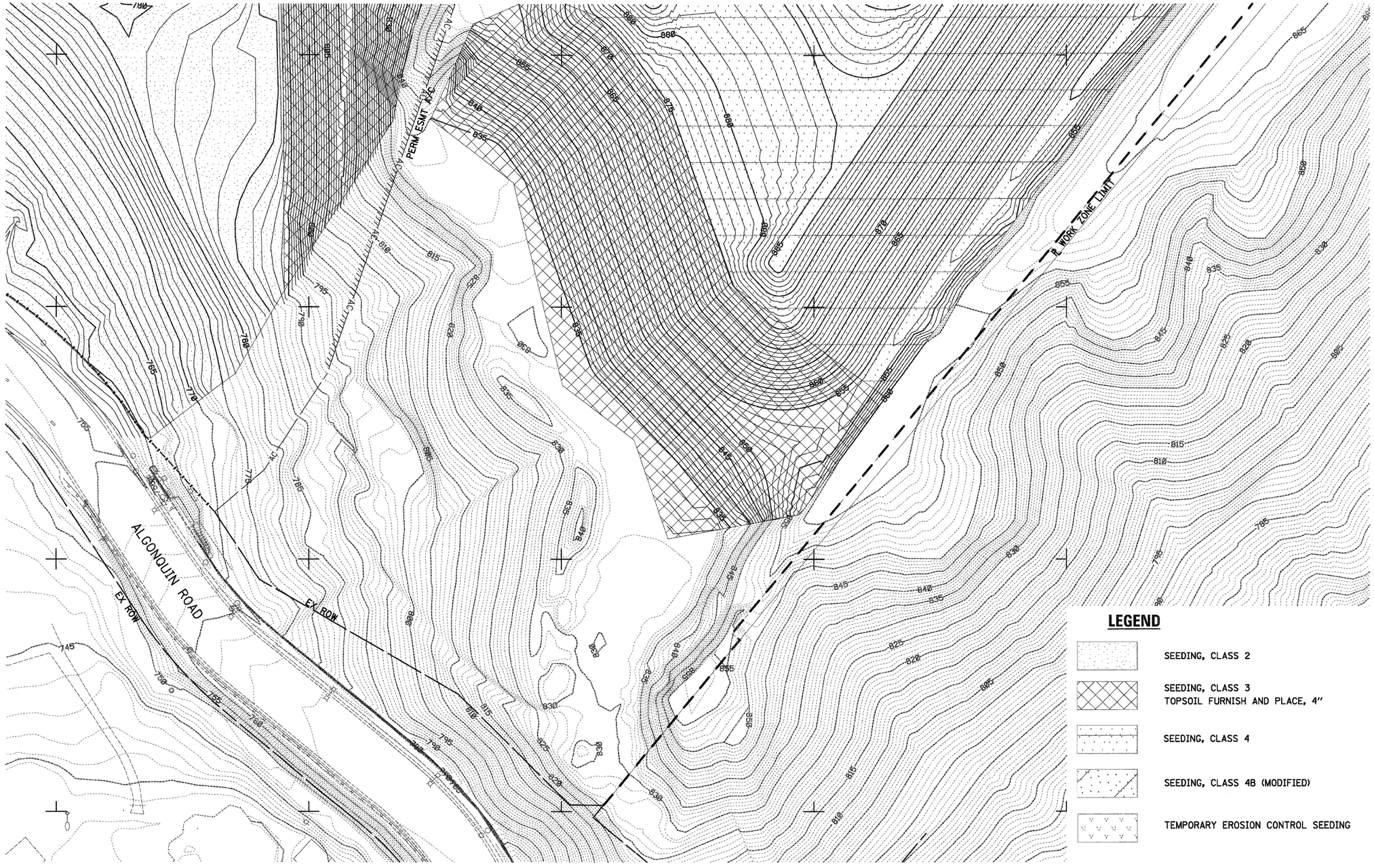
**PLAT OF HIGHWAYS**

SCALE: N.T.S. SHEET NO. 15 OF 15 SHEETS

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 58F |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |

SEE SHEET NO. 62

SEE SHEET NO. 59




| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FILE NAME = ...\D160F78-sht-lndscp-02.dgn | USER NAME = otb | DESIGNED - CTB | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LANDSCAPING PLAN | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DRAWN - JES | REVISED - | | | | 18A-1 | McHENRY | 115 | 60 |
| | PLOT SCALE = 500.0000 ' / ft. | CHECKED - GAB | REVISED - | | | | | CONTRACT NO. 60F78 | | |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | SCALE: 1" = 50' SHEET NO. 2 OF 10 SHEETS STA. TO STA. | | ILLINOIS | FED. AID PROJECT | | |

## LEGEND

- SEEDING, CLASS 2
- SEEDING, CLASS 3
  TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 4
- SEEDING, CLASS 4B (MODIFIED)
- TEMPORARY EROSION CONTROL SEEDING




| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-lndscp-03.dgn | USER NAME = ctb | DESIGNED - CTB | REVISED - |
| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

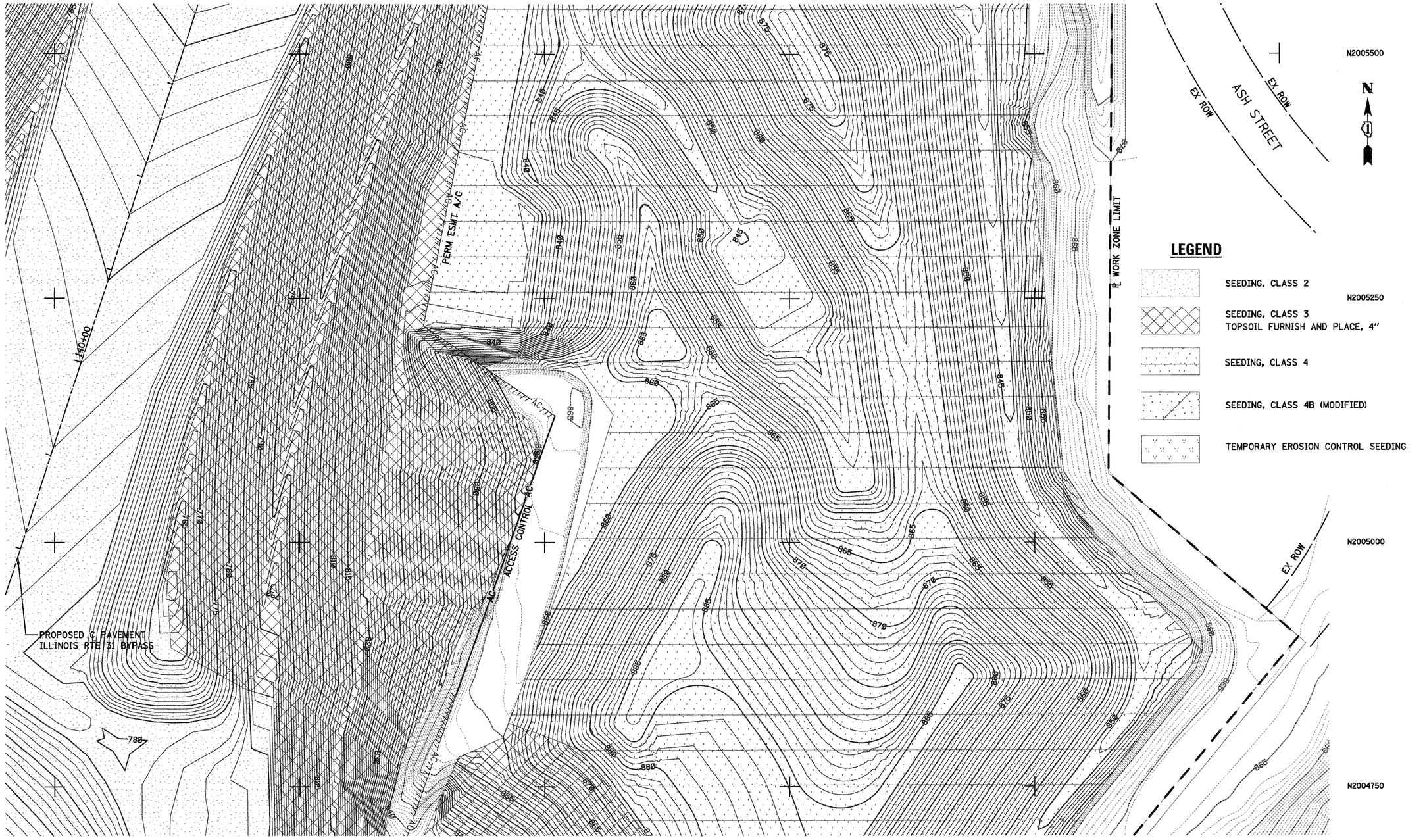
**LANDSCAPING PLAN**

SCALE: 1" = 50' | SHEET NO. 3 OF 10 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 61 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

SEE SHEET NO. 64

SEE SHEET NO. 61




**LEGEND**

- SEEDING, CLASS 2
- SEEDING, CLASS 3 TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 4
- SEEDING, CLASS 4B (MODIFIED)
- TEMPORARY EROSION CONTROL SEEDING

50 0 50
SCALE IN FEET

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-lndscp-04.dgn | USER NAME = ctb | DESIGNED - CTB | REVISED - |
| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 620.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

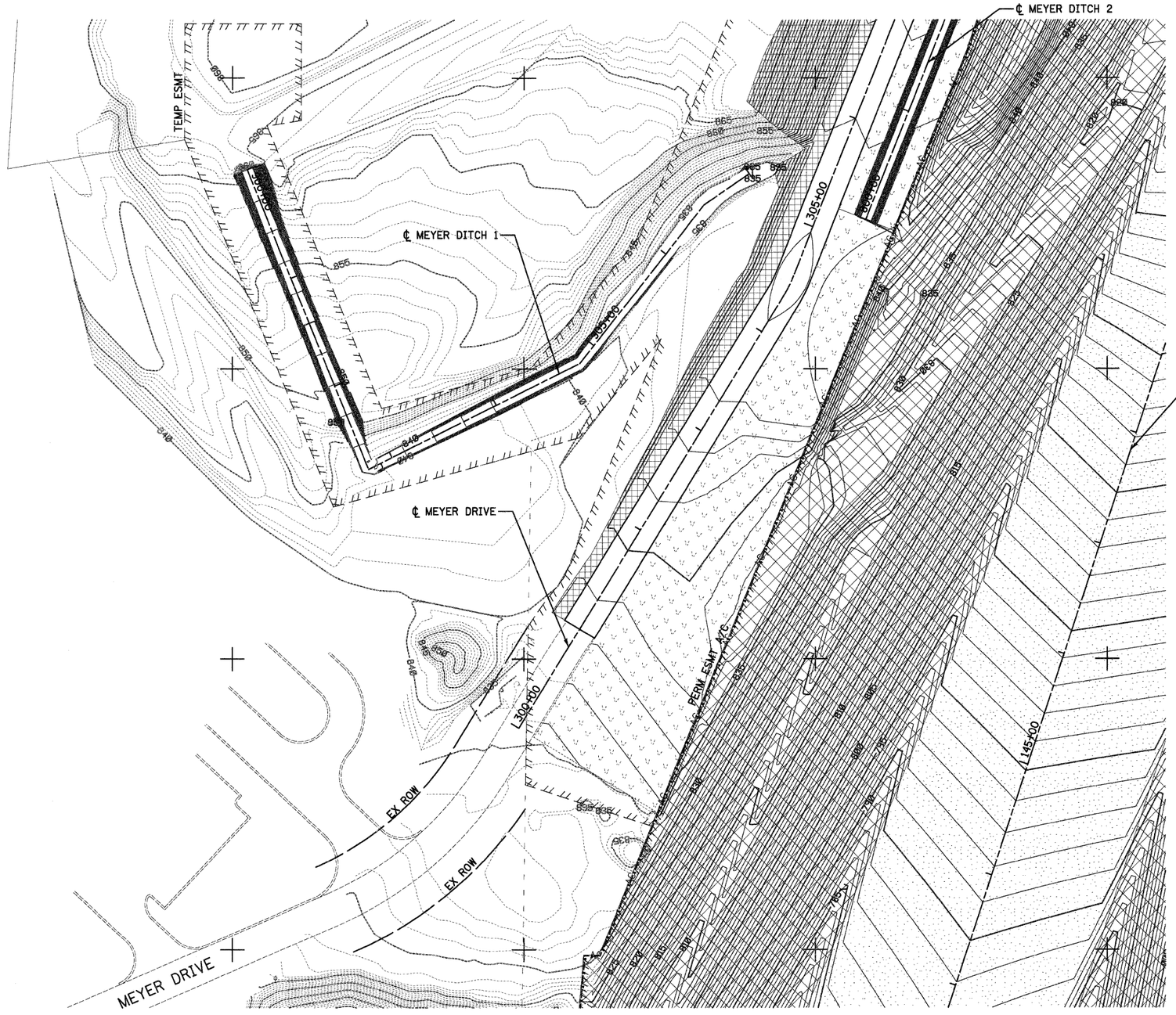
**STATE OF ILLINOIS**
**DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLAN**

SCALE: 1" = 50' | SHEET NO. 4 OF 10 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 62 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

SEE SHEET NO. 65




## LEGEND

- SEEDING, CLASS 2
- SEEDING, CLASS 3
  TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 4
- SEEDING, CLASS 4B (MODIFIED)
- TEMPORARY EROSION CONTROL SEEDING

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-lndscp-05.dgn | USER NAME = atb | DESIGNED - CTB | REVISED - |
| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**LANDSCAPING PLAN**

SCALE: 1" = 50' | SHEET NO. 5 OF 10 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 63 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

SEE SHEET NO. 66

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

SEEDING, CLASS 4B (MODIFIED)
TOPSOIL FURNISH AND PLACE, 4"

ARROWHEAD DRIVE

N2006250

N2006000

N2005750

SEE SHEET NO. 63

PERM ESMT A/C

℄ WORK ZONE LIMIT

ASH STREET

EX ROW

EX ROW

E994750

E995000

E995250

E995500

SEE SHEET NO. 62

N

## LEGEND

- SEEDING, CLASS 2
- SEEDING, CLASS 3
  TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 4
- SEEDING, CLASS 4B (MODIFIED)
- TEMPORARY EROSION CONTROL SEEDING

50 0 50
SCALE IN FEET

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-lndscp-06.dgn | USER NAME = ctb | DESIGNED - CTB | REVISED - |
| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 600.2000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**LANDSCAPING PLAN**

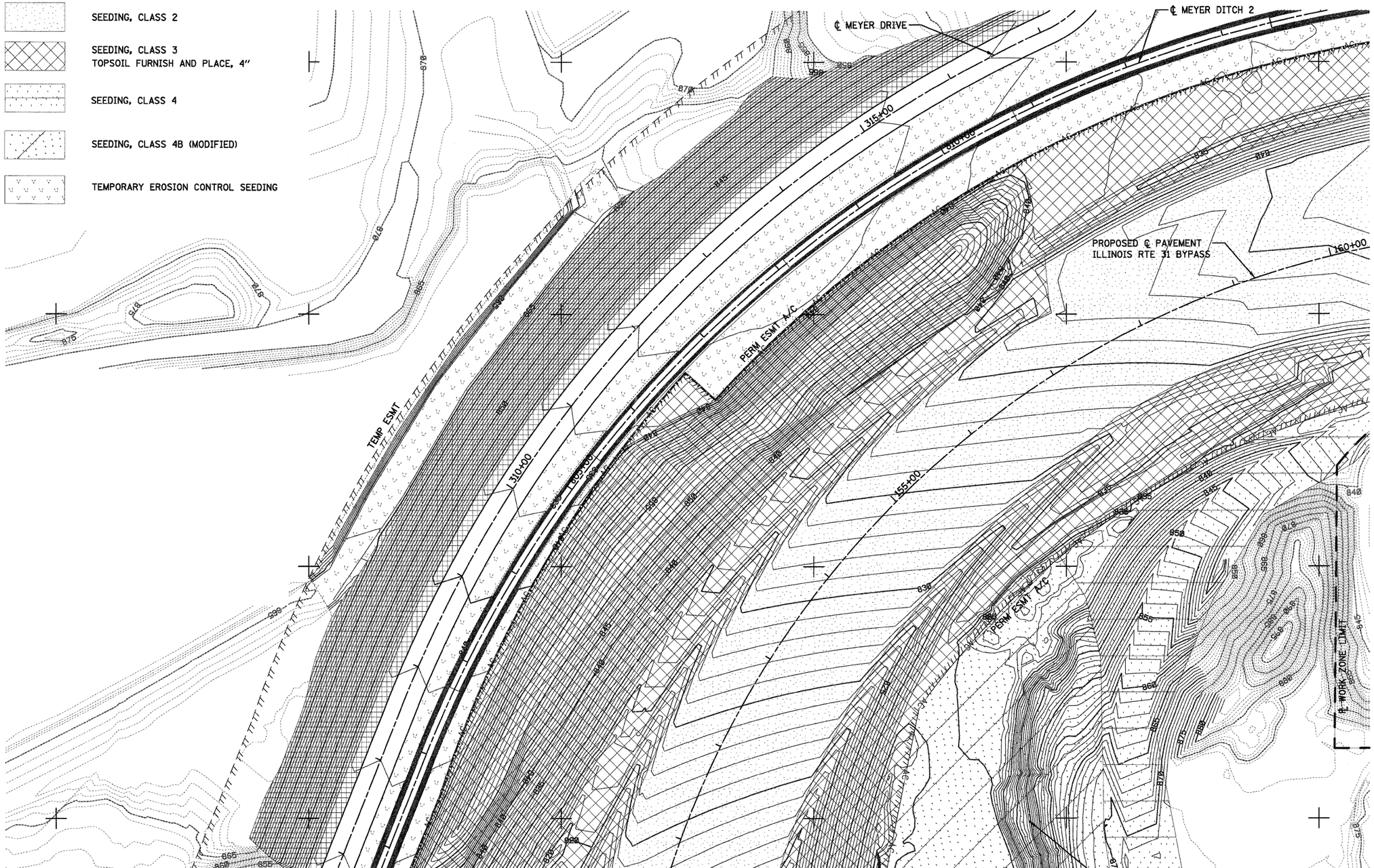
SCALE: 1" = 50' | SHEET NO. 6 OF 10 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 64 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## LEGEND

- SEEDING, CLASS 2
- SEEDING, CLASS 3
  TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 4
- SEEDING, CLASS 4B (MODIFIED)
- TEMPORARY EROSION CONTROL SEEDING

SEE SHEET NO. 67




SEE SHEET NO. 66

SEE SHEET NO. 63

50 0 50
SCALE IN FEET

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-lndscp-07.dgn | USER NAME = ctb | DESIGNED - CTB | REVISED - |
| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/19/2012 | DATE - 1/20/2012 | REVISED - |

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

**LANDSCAPING PLAN**

SCALE: 1" = 50' | SHEET NO. 7 OF 10 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 65 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

SEE SHEET NO. 68

PROJECT ENDS
STA. 170+08
ILLINOIS RTE 31 BYPASS

℄ MEYER DITCH 2

SEE SHEET NO. 65

PERM ESMT A/C

AC

170+02

QUARRY ACCESS

165+00

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

160+00

ACCESS CONTROL

PERM ESMT A/C

℄ WORK ZONE LIMIT

EX ROW

OAK STREET

ARROWHEAD DRIVE

N2007000

N2006750

N2006500

N2006250

E995500

E995750

E996000

E996250

E996500

E996750

N

50 0 50
SCALE IN FEET

## LEGEND

- SEEDING, CLASS 2
- SEEDING, CLASS 3
  TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 4
- SEEDING, CLASS 4B (MODIFIED)
- TEMPORARY EROSION CONTROL SEEDING

| | | | |
|---|---|---|---|
| FILE NAME = ...\0166E78-sht-lndscp-00.dgn | USER NAME = ctb | DESIGNED - CTB | REVISED - |
| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

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

**LANDSCAPING PLANS**

SCALE: 1" = 50' | SHEET NO. 8 OF 10 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 66 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

## LEGEND

- SEEDING, CLASS 2
- SEEDING, CLASS 3
  TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 4
- SEEDING, CLASS 4B (MODIFIED)
- TEMPORARY EROSION CONTROL SEEDING

N

℄ MEYER DRIVE

℄ MEYER DITCH 2

TEMP. ESMT.

PERM. ESMT. A/C

N2007250

N2007000

SEE SHEET NO. 68

SEE SHEET NO. 65

E994750 E995000 E995250 E995500 E995750

50 0 50
SCALE IN FEET

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-lndscp-09.dgn | USER NAME = otb | DESIGNED - CTB | REVISED - |
| | | DRAWN - JES | REVISED - |
| | PLOT SCALE = 620.0000 ' / ft. | CHECKED - GAB | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

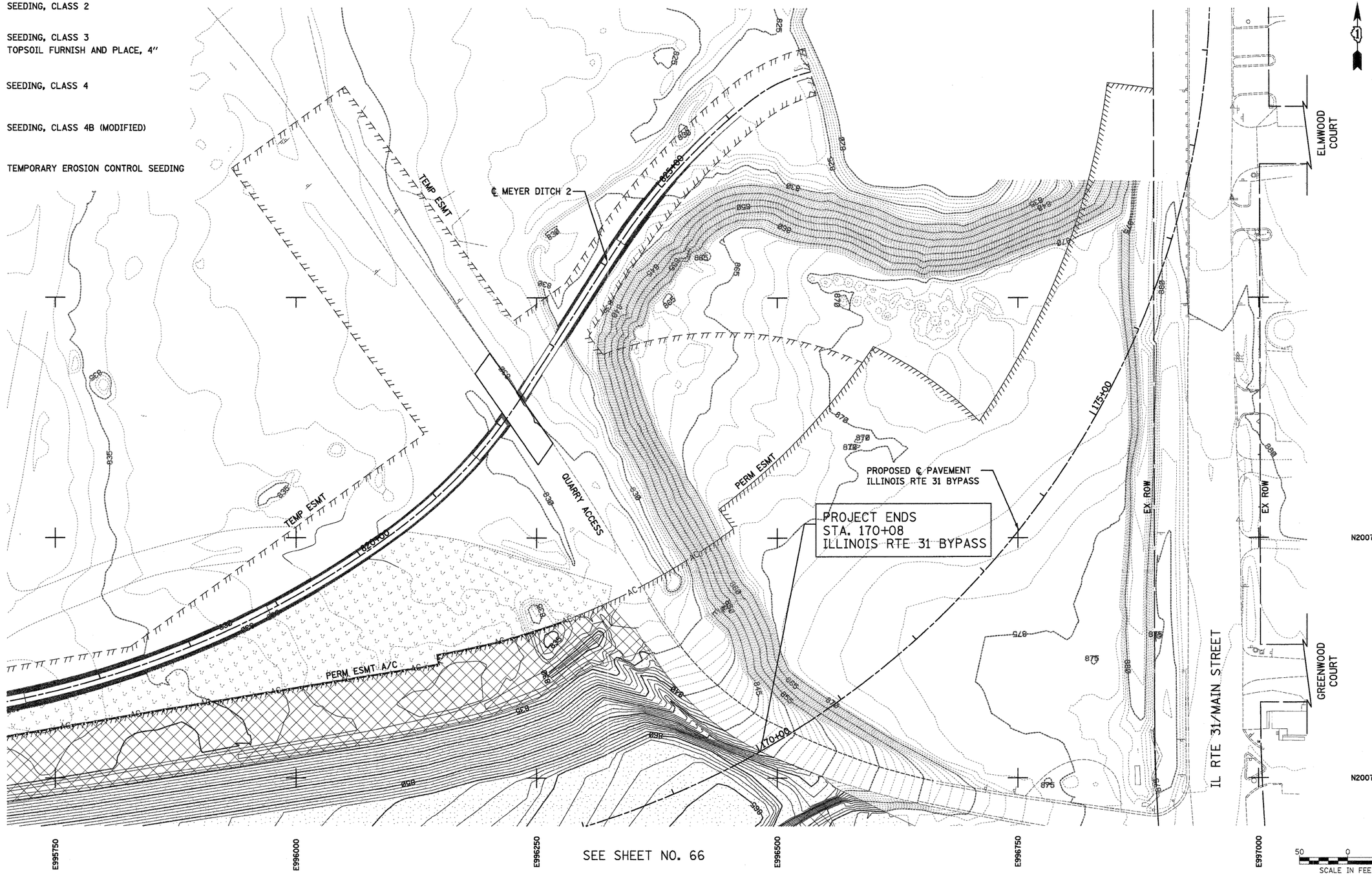
**LANDSCAPING PLANS**

SCALE: 1" = 50' | SHEET NO. 9 OF 10 SHEETS | STA. | TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 67 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

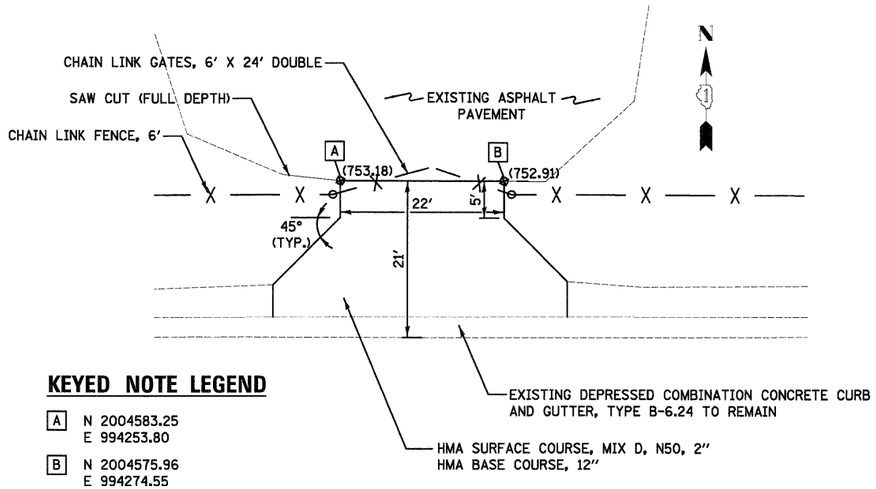
## LEGEND

- SEEDING, CLASS 2
- SEEDING, CLASS 3
  TOPSOIL FURNISH AND PLACE, 4"
- SEEDING, CLASS 4
- SEEDING, CLASS 4B (MODIFIED)
- TEMPORARY EROSION CONTROL SEEDING




| | | | | | |
|---|---|---|---|---|---|
| FILE NAME = ...\D160F78-sht-lndscp-10.dgn | USER NAME = ctb | DESIGNED - CTB | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | LANDSCAPING PLANS |
| | | DRAWN - JES | REVISED - | | |
| | PLOT SCALE = 600.0000 ' / ft. | CHECKED - GAB | REVISED - | | SCALE: 1" = 50' \| SHEET NO. 10 OF 10 SHEETS \| STA. TO STA. |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 68 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |



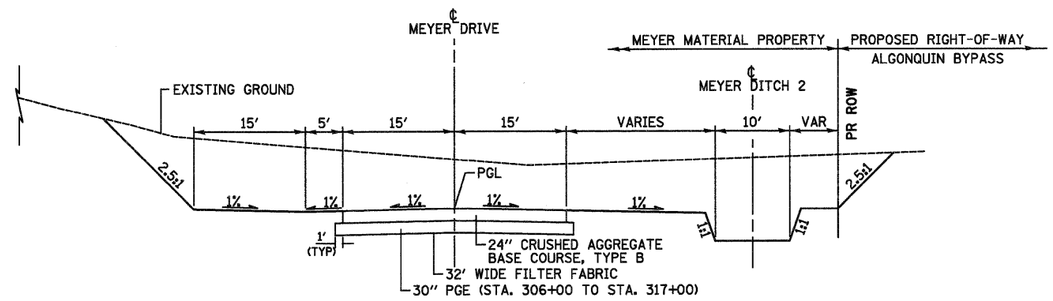

## KEYED NOTE LEGEND

A N 2004583.25
E 994253.80

B N 2004575.96
E 994274.55

## SOUTH ACCESS TO ALGONQUIN ROAD DETAIL

10 0 10
SCALE IN FEET

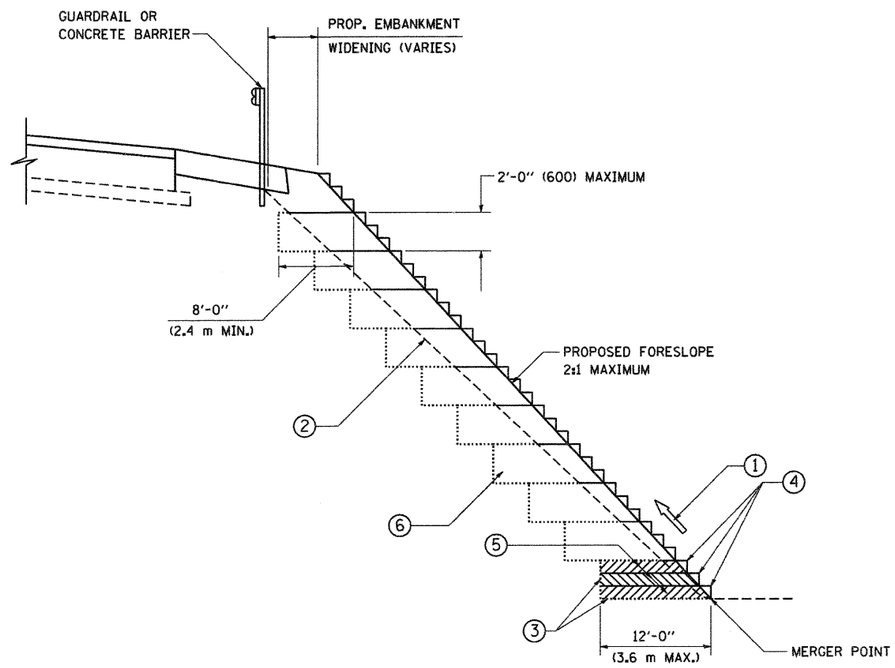



## TYPICAL SECTION

MEYER DRIVE

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| FILE NAME = ...\D160F78-sht-details-01.dgn | USER NAME = ctb | DESIGNED - CTB | REVISED - | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** | **DETAILS** | | | |
| | | DRAWN - CTB | REVISED - | | | | | |
| | PLOT SCALE = 240.0000 ' / ft. | CHECKED - GAB | REVISED - | | | | | |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | | SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA. |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 69 |
| | | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | |




# TYPICAL BENCHING DETAIL FOR EMBANKMENT

## NOTES:

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
6. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

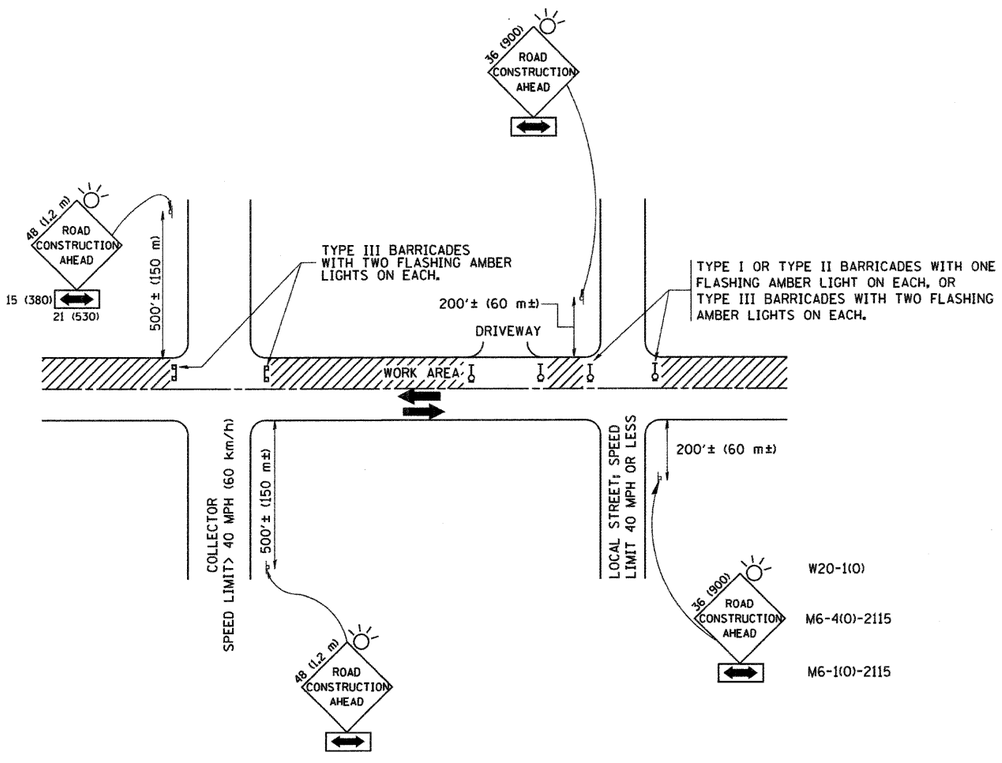
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|---|---|---|---|
| FILE NAME = W:\diststd\22x34\bd51.dgn | USER NAME = gaglenobt | DESIGNED - | REVISED - |
| | | DRAWN - CADD | REVISED - |
| | PLOT SCALE = 50.0000 ' / IN. | CHECKED - S.E.B. | REVISED - |
| | PLOT DATE = 1/4/2008 | DATE - 06-16-04 | REVISED - |

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

**BENCHING DETAIL**
**FOR EMBANKMENT WIDENING**

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

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-2 | MCHENRY | 115 | 70 |
| | **BD-51** | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |




# TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

## NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
   USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

| | | | |
|---|---|---|---|
| FILE NAME = W:\diststd\22x34\tc10.dgn | USER NAME = geglianobt | DESIGNED - LHA | REVISED - J. OBERLE 10-18-95 |
| | | DRAWN - | REVISED - A. HOUSEH 03-06-96 |
| | PLOT SCALE = 50.000 '/ IN. | CHECKED - | REVISED - A. HOUSEH 10-15-96 |
| | PLOT DATE = 1/4/2008 | DATE - 06-89 | REVISED -T. RAMMACHER 01-06-00 |

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

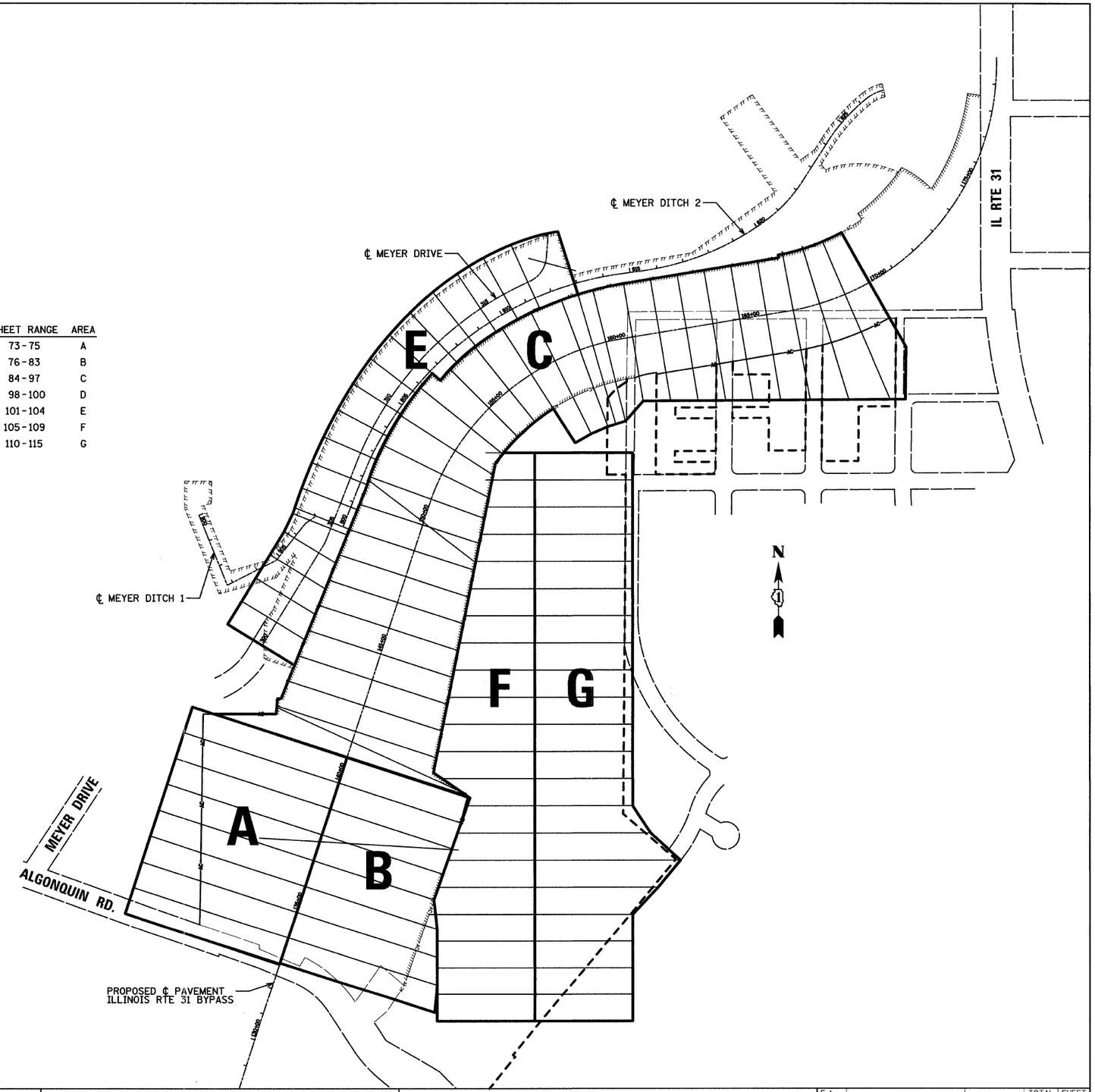
**TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-2 | MCHENRY | 115 | 71 |
| | TC-10 | CONTRACT NO. 60F78 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

## INDEX OF CROSS SECTIONS

| DESCRIPTION | SHEET RANGE | AREA |
|---|---|---|
| PROPOSED ILLINOIS RTE 31, STA. 133+00 TO STA. 141+00, LEFT SIDE | 73-75 | A |
| PROPOSED ILLINOIS RTE 31, STA. 133+00 TO STA. 141+00, RIGHT SIDE | 76-83 | B |
| PROPOSED ILLINOIS RTE 31, STA. 142+00 TO STA. 170+00 | 84-97 | C |
| CROSSING PIPES WITHIN PROPOSED ILLINOIS RTE 31 R.O.W. | 98-100 | D |
| MEYER DRIVE | 101-104 | E |
| PARCEL 1FH0021, WEST HALF | 105-109 | F |
| PARCEL 1FH0021, EAST HALF | 110-115 | G |




| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec00.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 200.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTION SHEET INDEX**

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 72 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

LEGEND

EXISTING GROUND LINE

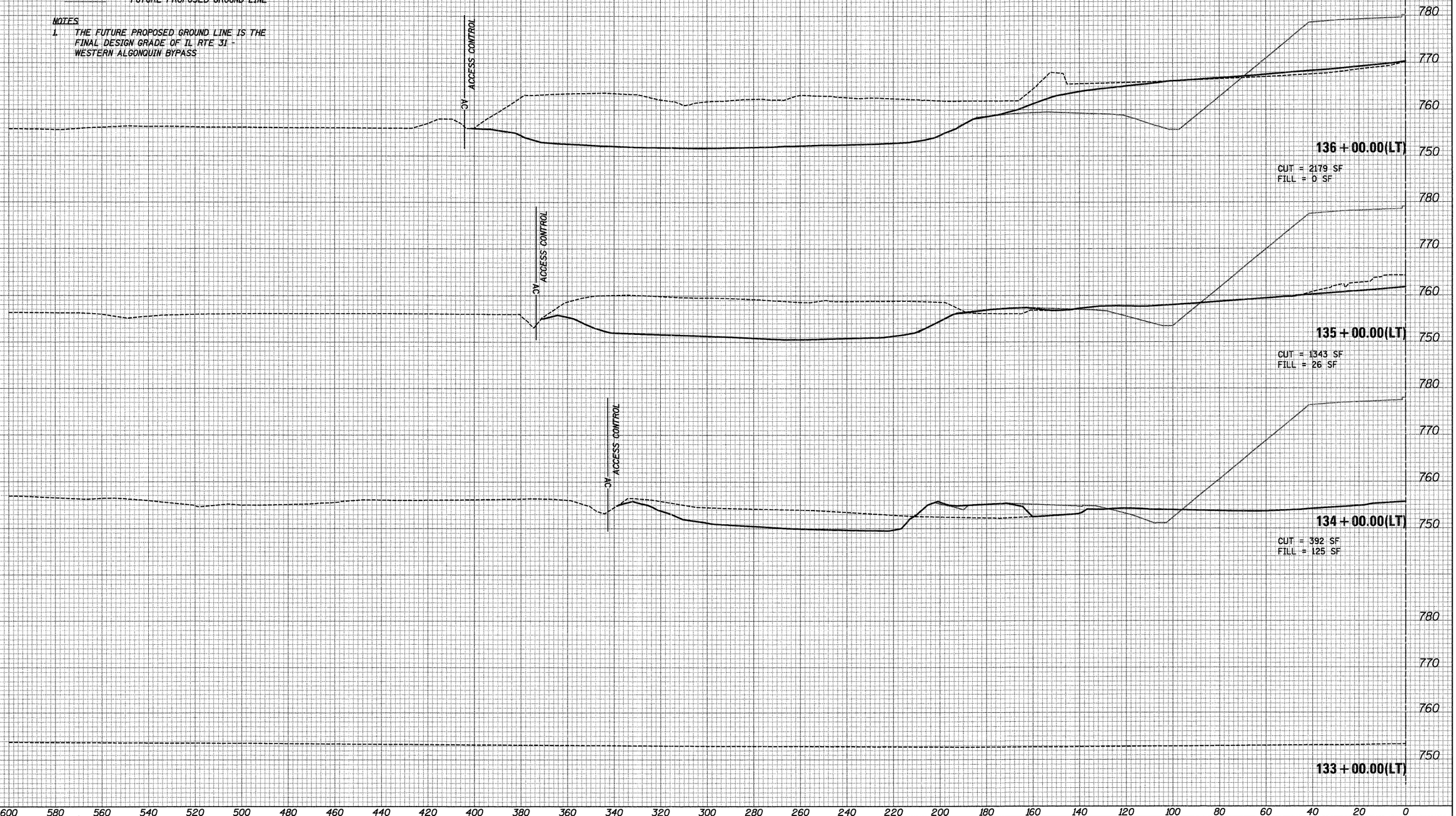
PROPOSED GROUND LINE

FUTURE PROPOSED GROUND LINE

NOTES

1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS




| FILE NAME = | USER NAME = ctb | DESIGNED - AKW | REVISED - |
|---|---|---|---|
| ...\D162F78-sht-xsec01.dgn | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 133+00.00 TO STA. 136+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 73 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

| FINAL SURVEY | NOTE BOOK | NO. |
|---|---|---|

| BY | DATE |
|---|---|
| SURVEYED | |
| PLOTTED | |
| CHECKED | |
| AREAS | |
| AREAS CHECKED | |

| ORIGINAL SURVEY | NOTE BOOK | NO. |
|---|---|---|

| BY | DATE |
|---|---|
| SURVEYED | |
| PLOTTED | |
| CHECKED | |
| AREAS | |
| AREAS CHECKED | |

600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

800 790 780 770

34' ACCESS CONTROL

AC

1:4

**139 + 00.00(LT)**

CUT = 9035 SF
FILL = 20 SF

790 780 770 760

34' ACCESS CONTROL

AC

1:4

**138 + 00.00(LT)**

CUT = 7191 SF
FILL = 0 SF

780 770 760

34' ACCESS CONTROL

AC

CUT = 5719 SF
FILL = 17 SF

**137 + 00.00(LT)**

600 580 560 540 520 500 480 460 440 420 400 380 360 340 320 300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0

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

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

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec01.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 137+00.00 TO STA. 139+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 74 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

LEGEND

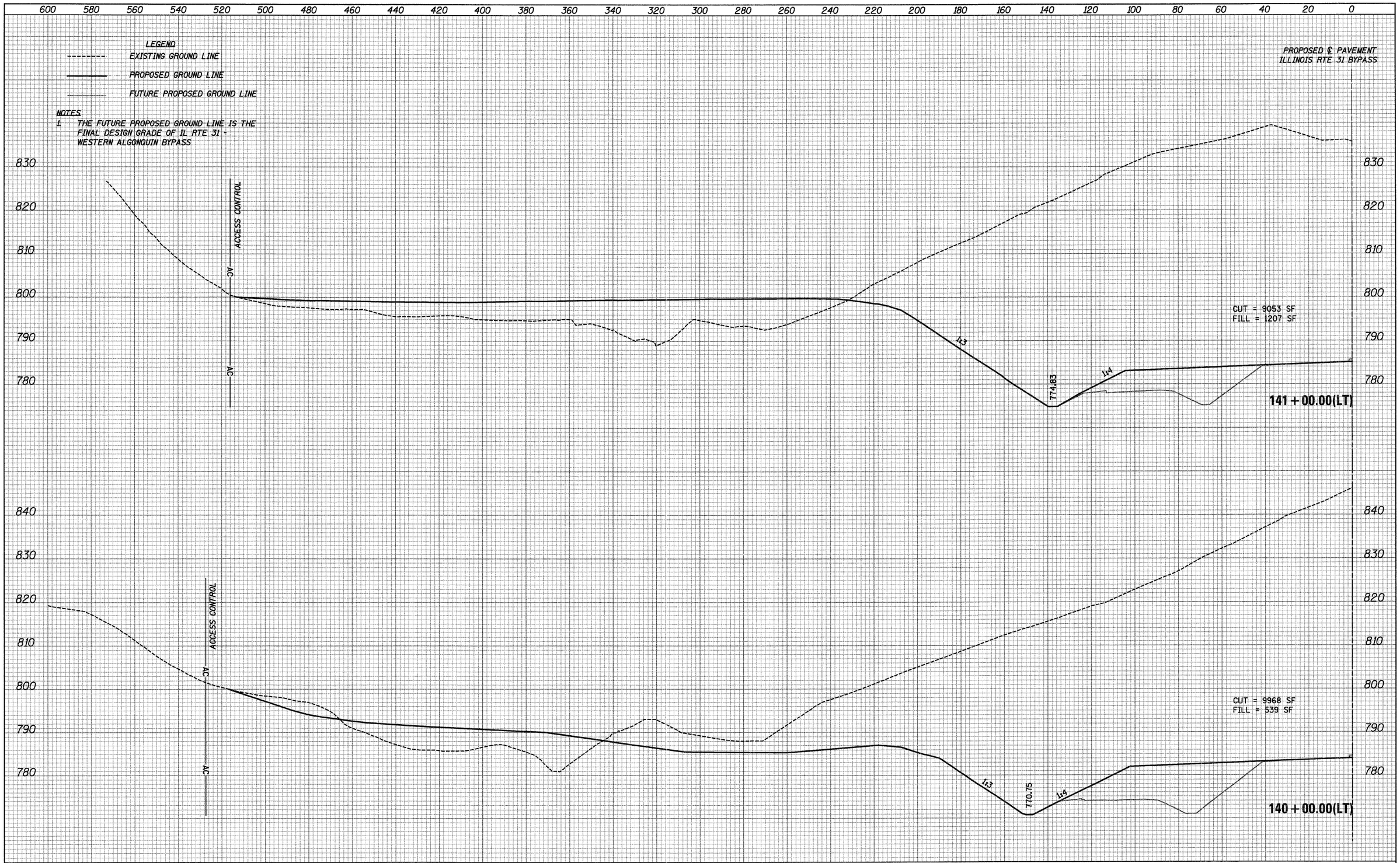
EXISTING GROUND LINE

PROPOSED GROUND LINE

FUTURE PROPOSED GROUND LINE

NOTES

1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS




| FILE NAME = ...\D160F78-sht-xsec01.dgn | USER NAME = etb | DESIGNED - AKW | REVISED - |
|---|---|---|---|
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 140+00.00 TO STA. 141+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 75 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS

PERM ESMT A/C

**134 + 00.00 (RT)**

CUT = 123 SF
FILL = 11 SF

EX ROW A/C

**133 + 00.00 (RT)**

CUT = 5 SF
FILL = 5 SF

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

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

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec02.dgn | USER NAME = otb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 133+00.00 TO STA. 134+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 76 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND

EXISTING GROUND LINE

PROPOSED GROUND LINE

FUTURE PROPOSED GROUND LINE

NOTES

1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS

PEARL ESMT A/C

135+00.00 (RT)

CUT = 1291 SF
FILL = 98 SF

| FINAL SURVEY | BY | DATE |
|---|---|---|
| NOTE BOOK | | |
| NO. | | |

SURVEYED
PLOTTED
TRACED
AREAS
AREAS CHECKED

| ORIGINAL SURVEY | BY | DATE |
|---|---|---|
| NOTE BOOK | | |
| NO. | | |

SURVEYED
PLOTTED
TRACED
AREAS
AREAS CHECKED

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec02.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

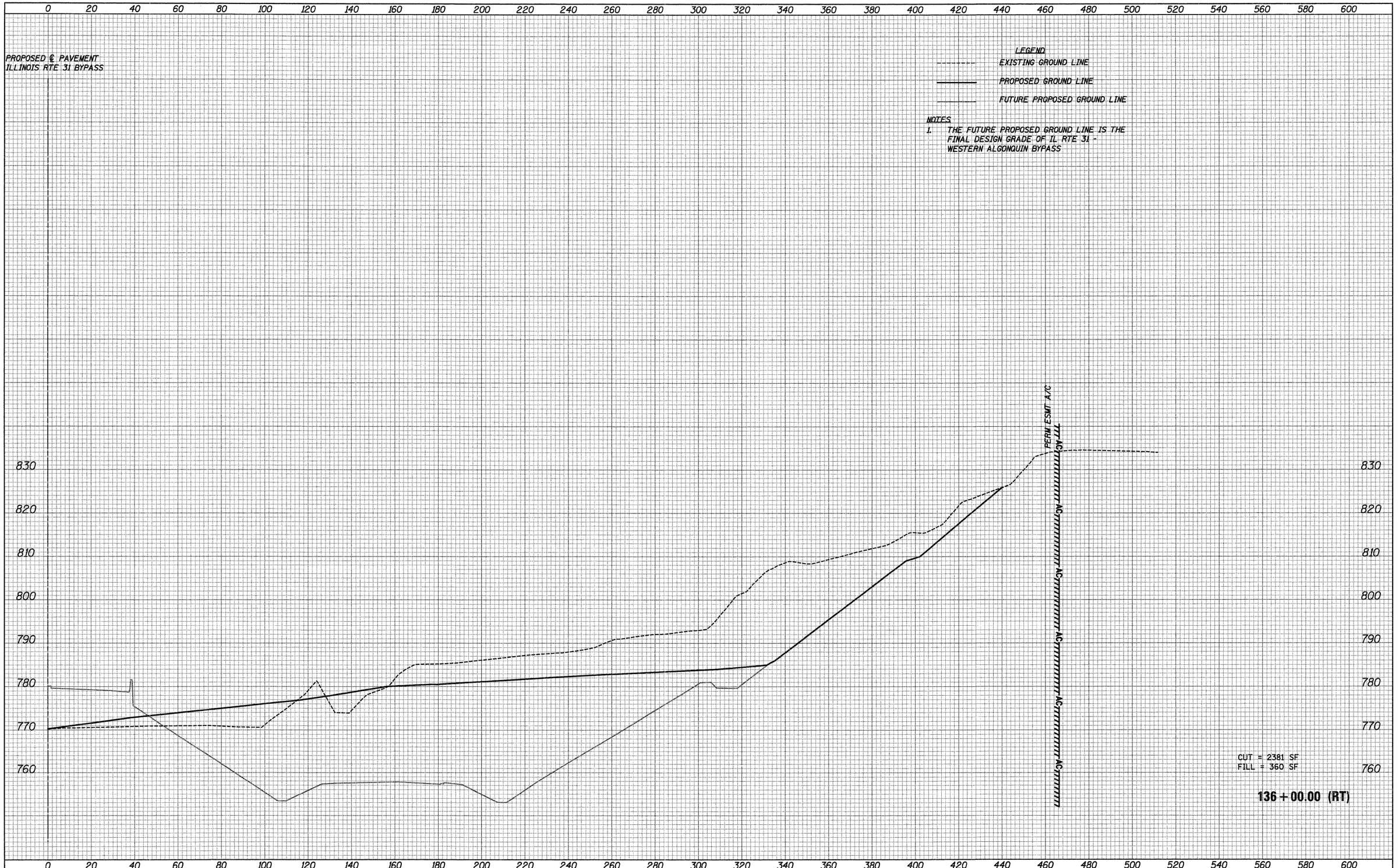
SCALE: | SHEET NO. OF SHEETS | STA. 135+00.00 | TO STA. 135+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 77 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS




CUT = 2381 SF
FILL = 360 SF

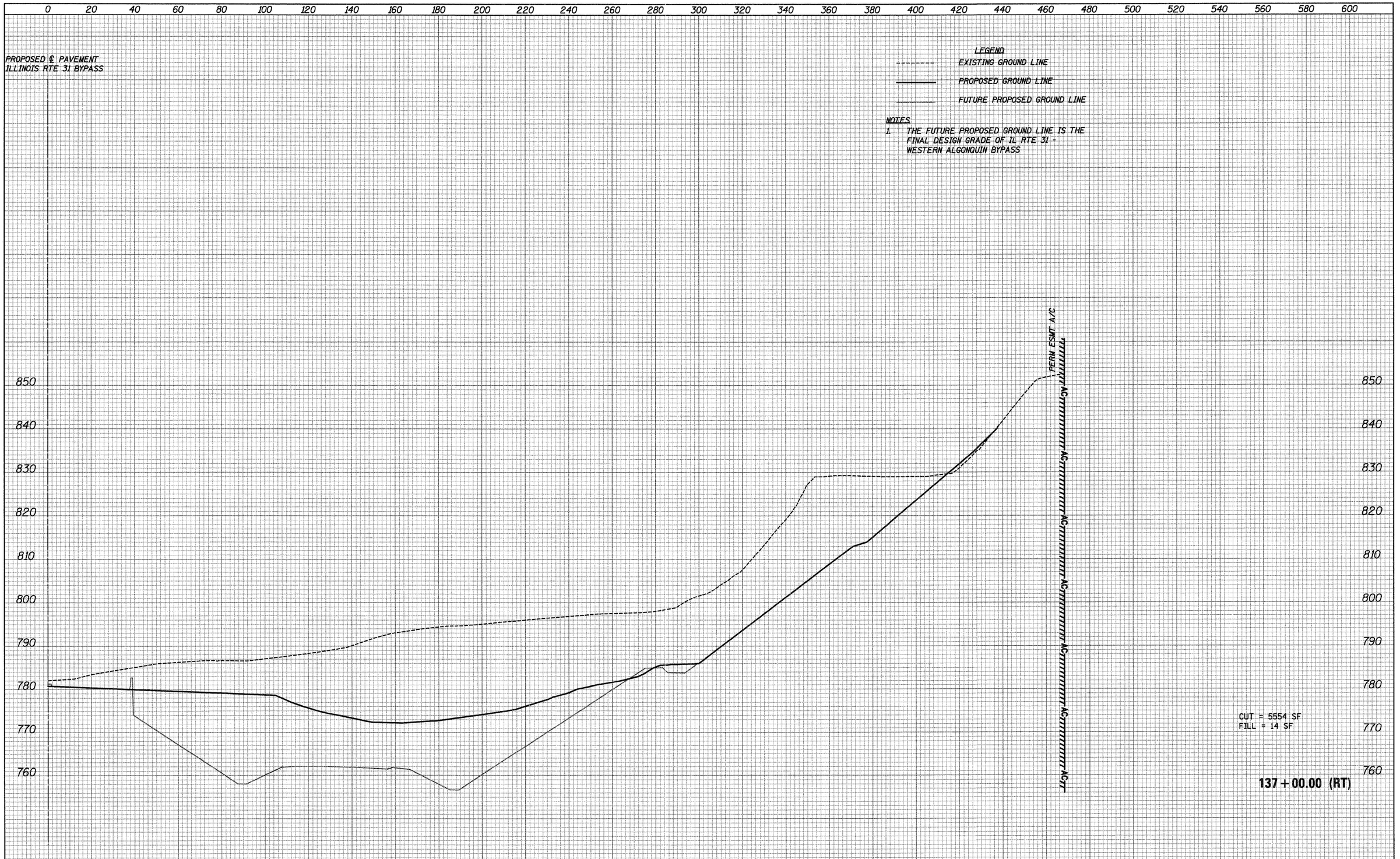
**136+00.00 (RT)**

| | | |

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS




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

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

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-xsec02.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 137+00.00 | TO STA. 137+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 79 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND

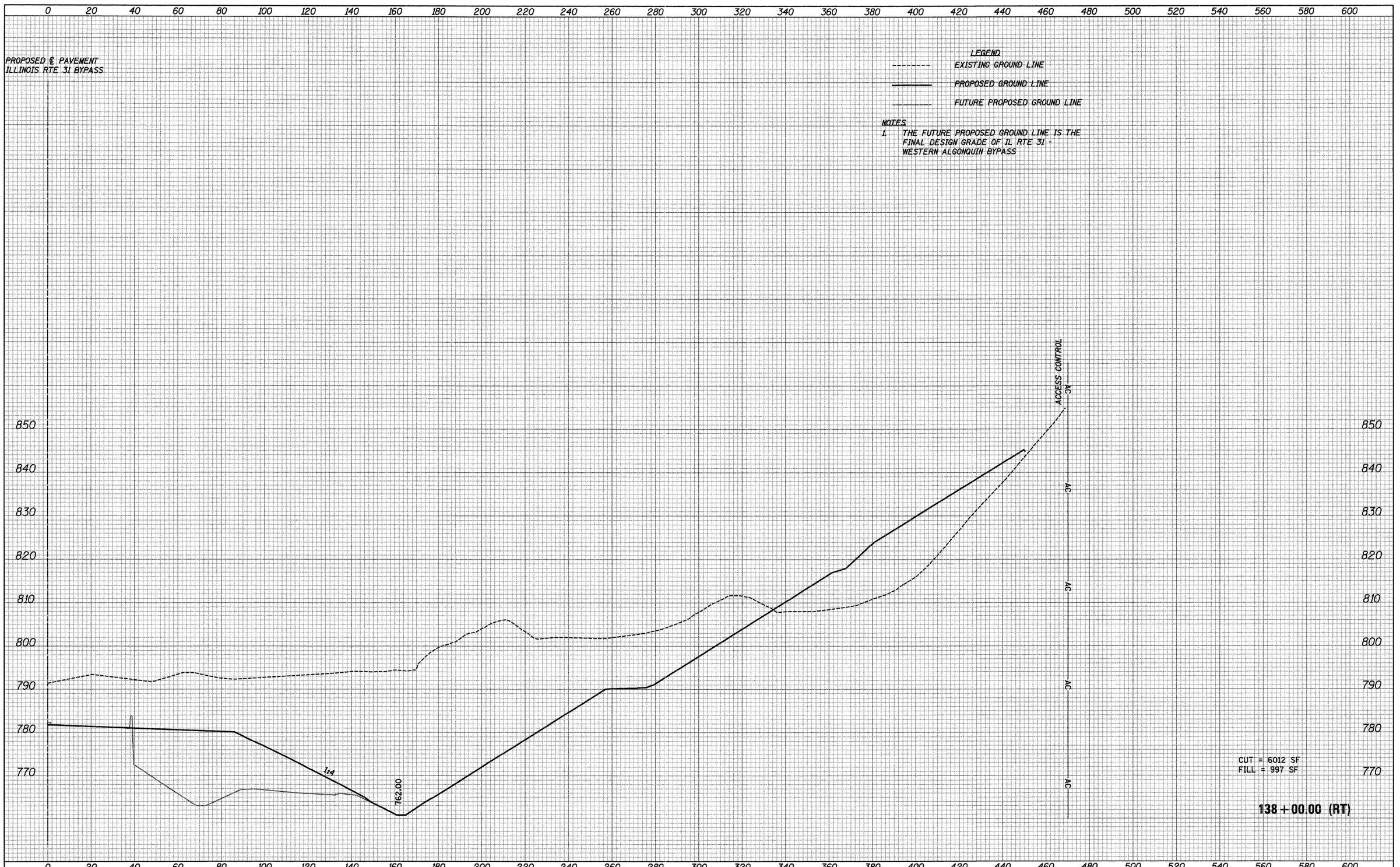
EXISTING GROUND LINE

PROPOSED GROUND LINE

FUTURE PROPOSED GROUND LINE

NOTES

1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS




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

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

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec02.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0002 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

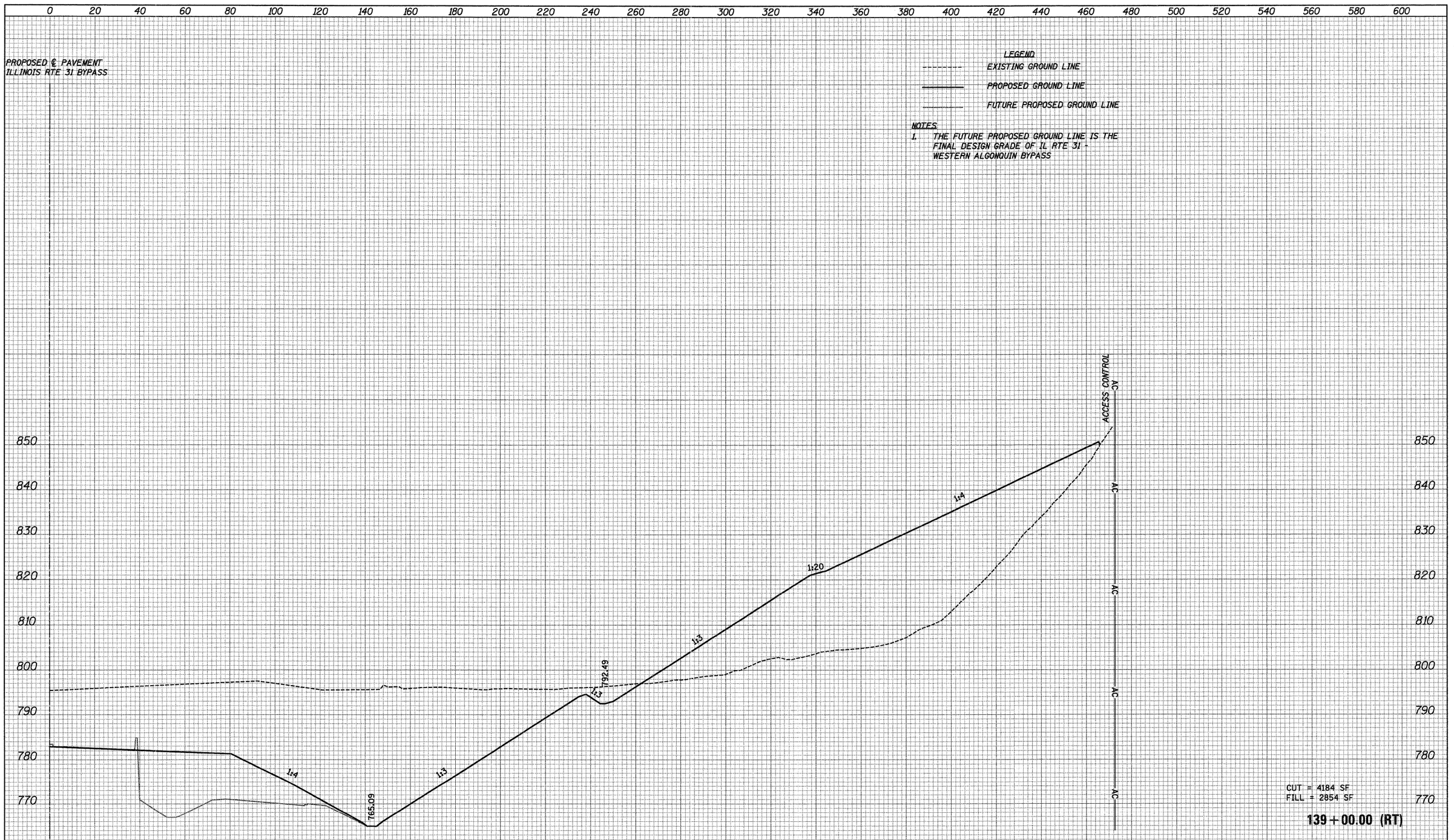
SCALE: | SHEET NO. OF SHEETS | STA. 138+00.00 | TO STA. 138+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 80 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS




CUT = 4184 SF
FILL = 2854 SF

**139+00.00 (RT)**

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

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

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec02.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

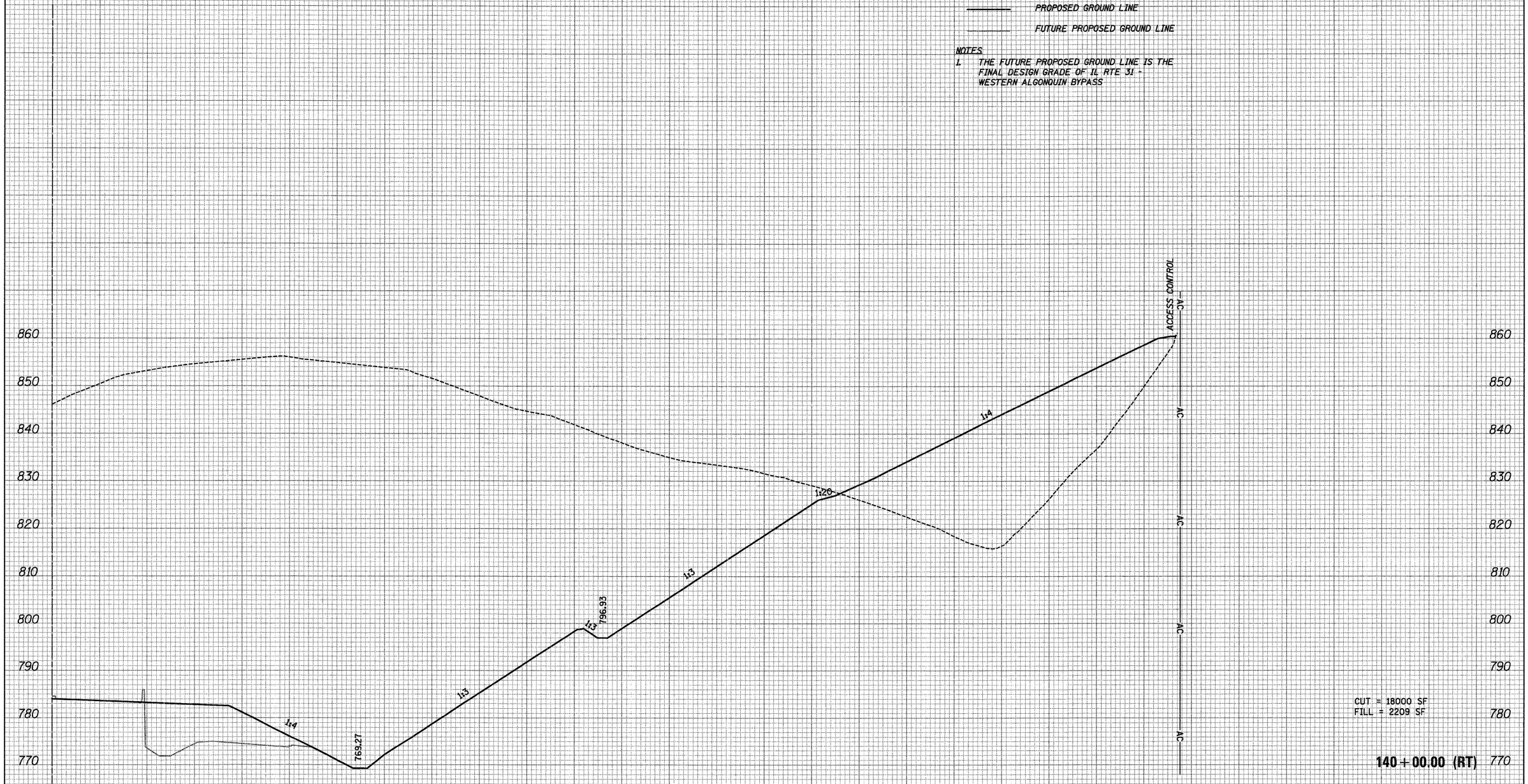
SCALE: | SHEET NO. OF SHEETS | STA. 139+00.00 | TO STA. 139+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 81 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS




CUT = 18000 SF
FILL = 2209 SF

**140+00.00 (RT)**

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

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

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-xsec02.dgn | USER NAME = otb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

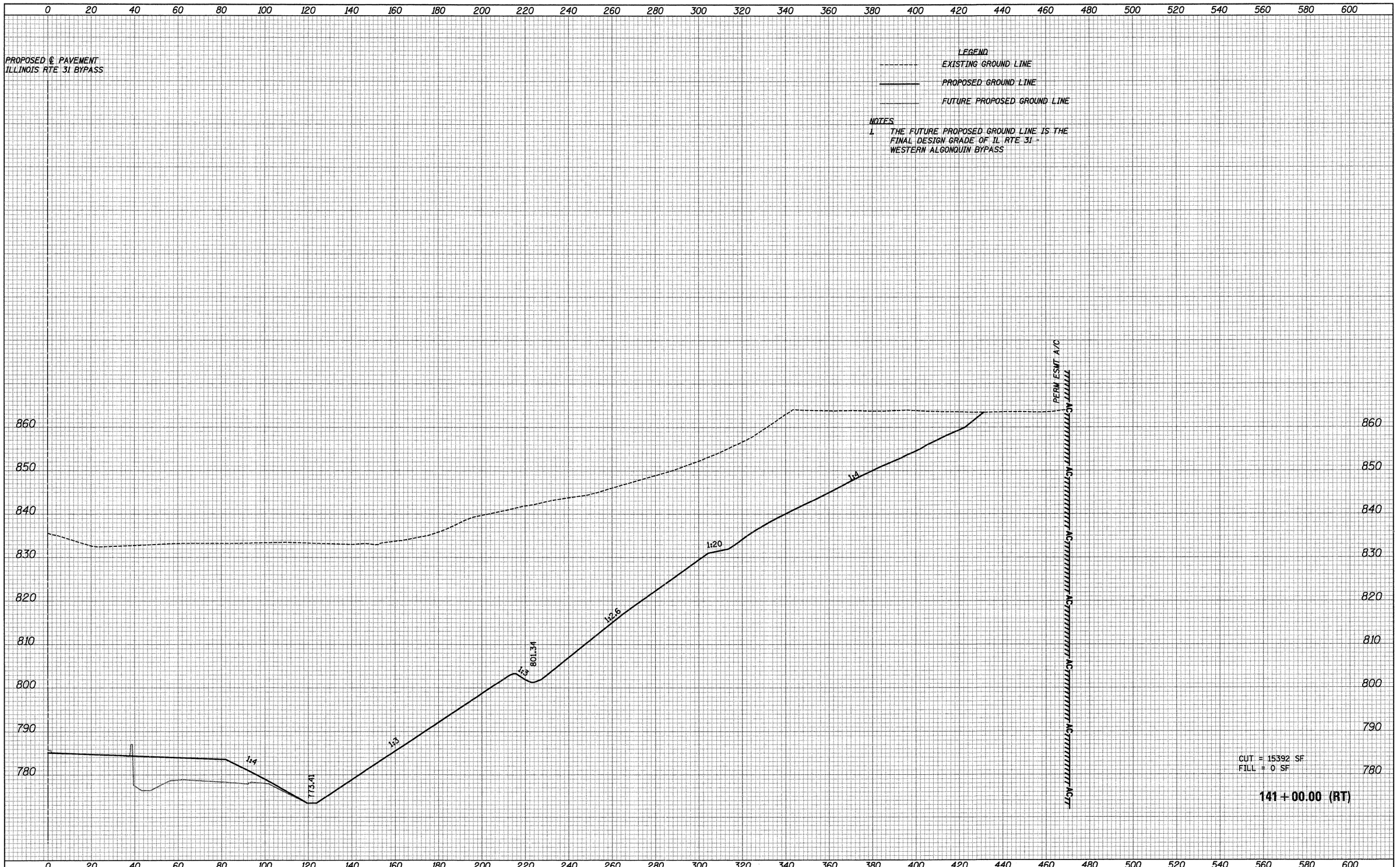
SCALE: | SHEET NO. OF SHEETS | STA. 140+00.00 TO STA. 140+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 82 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS




| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-xsec02.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 141+00.00 | TO STA. 141+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 83 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

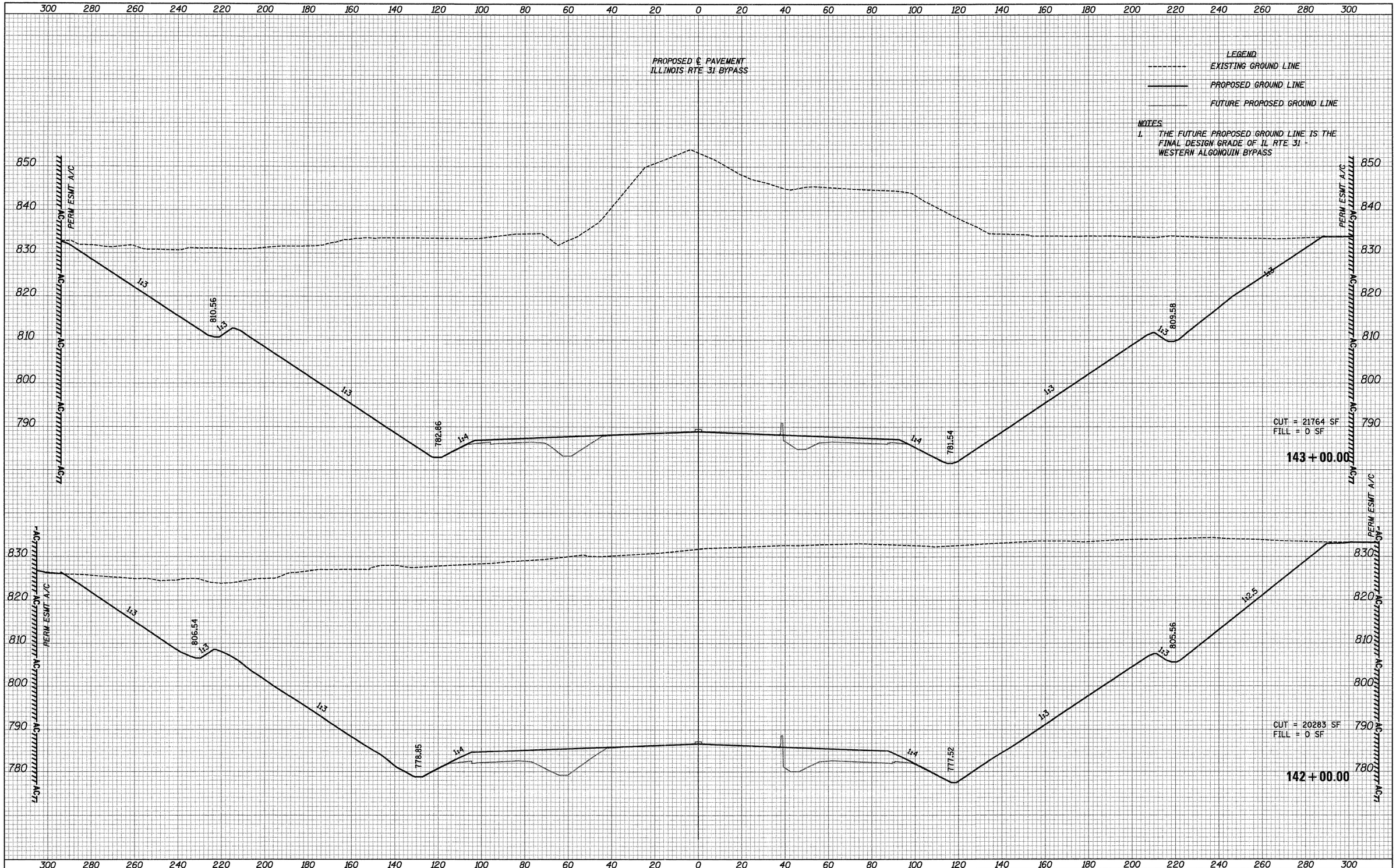
| FINAL SURVEY | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| TEMPLATE | | |
| NOTE BOOK | AREAS | |
| NO. | AREAS CHECKED | |

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

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS




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

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

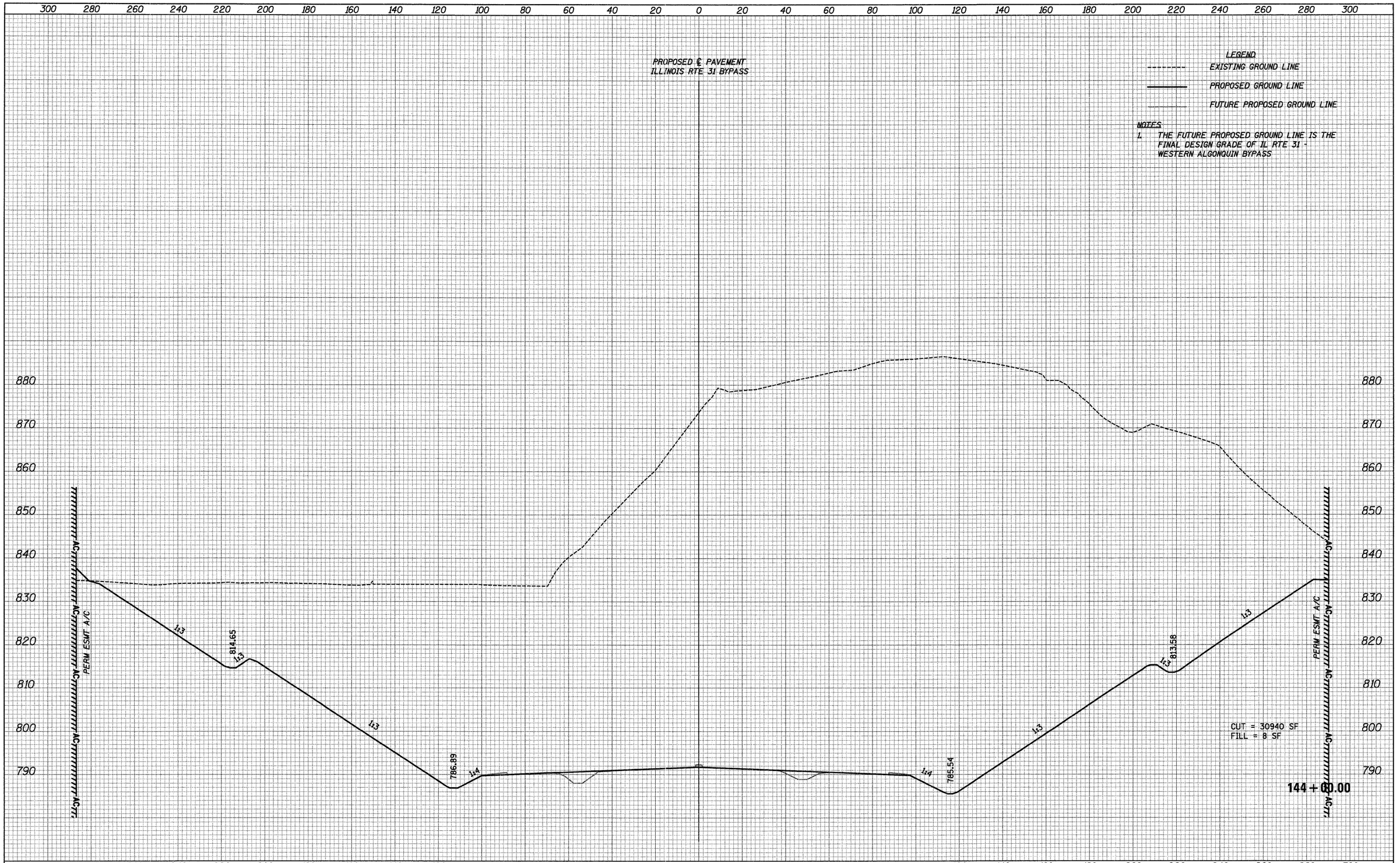
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|---|---|---|---|
| FILE NAME = ...\D162F78-sht-xsec03.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 142+00.00 TO STA. 143+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 84 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |




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

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

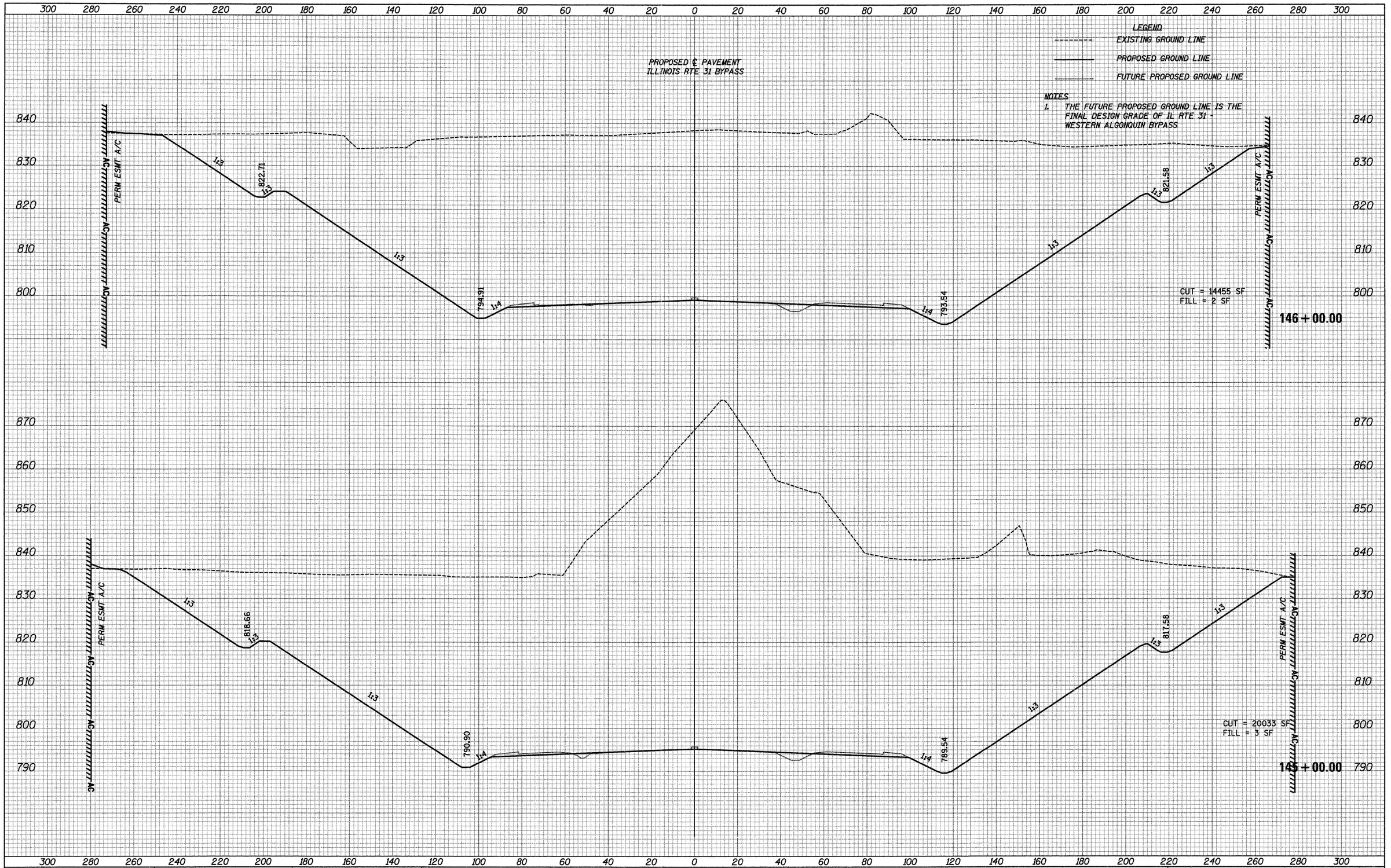
| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec03.dgn | USER NAME = otb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 144+00.00 | TO STA. 144+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 85 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |




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

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

| | | | |
|---|---|---|---|
| FILE NAME = ...\DLG0F78-sht-xsec03.dgn | USER NAME = otb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

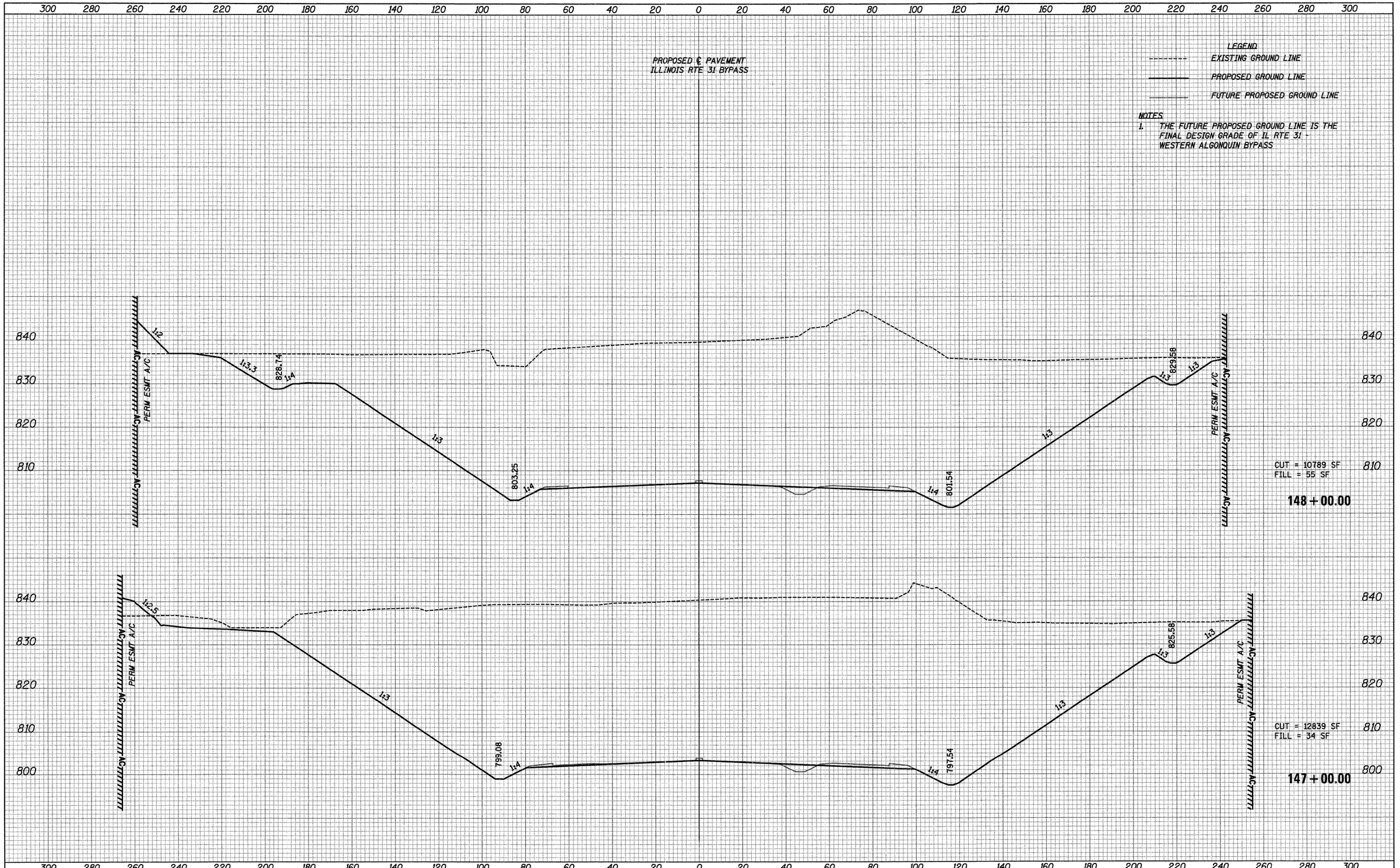
**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 145+00.00 TO STA. 146+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 86 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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




| FILE NAME = | USER NAME = ctb | DESIGNED - AKW | REVISED - |
|---|---|---|---|
| ...\D160F78-sht-xsec03.dgn | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 147+00.00 | TO STA. 148+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 87 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

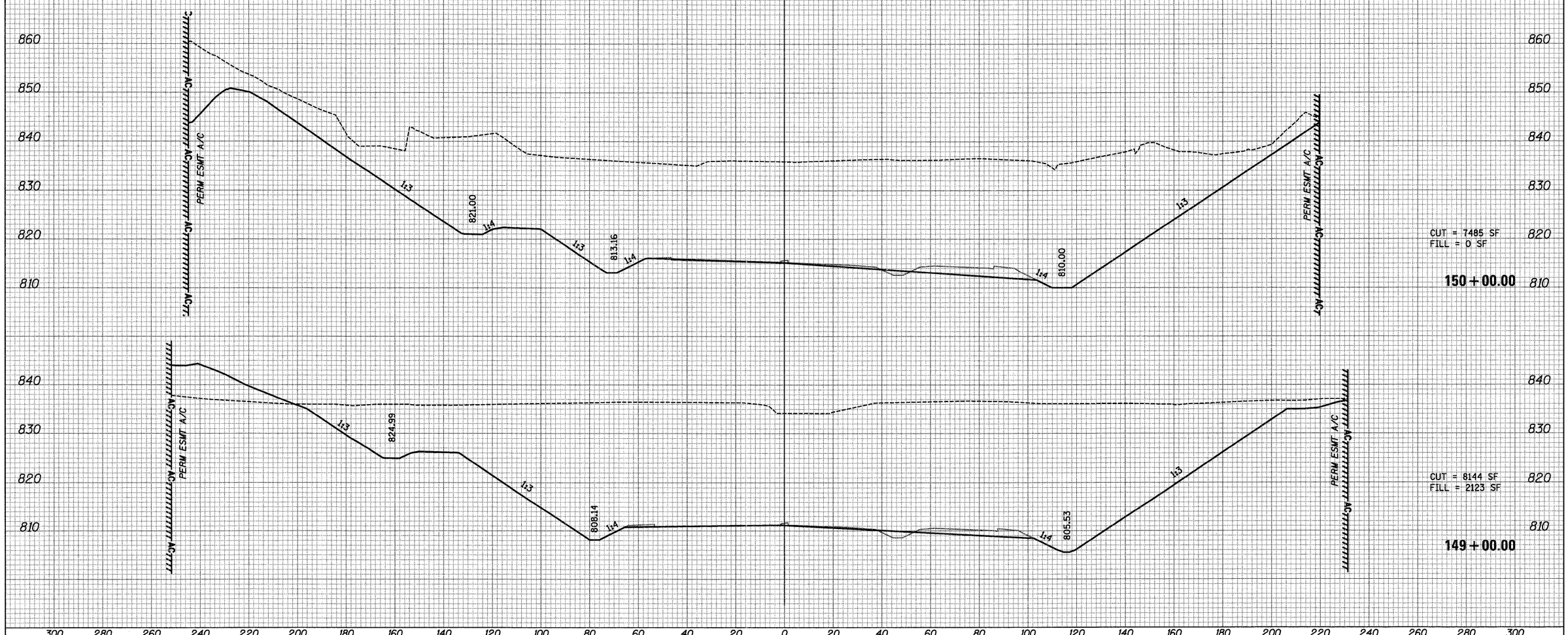
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
|---|---|---|---|
| NOTE BOOK | PLOTTED | | |
| NO. | TYPICALS | | |
| | AREAS | | |
| | AREAS CHECKED | | |

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
- EXISTING GROUND LINE
- PROPOSED GROUND LINE
- FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS




300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec03.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

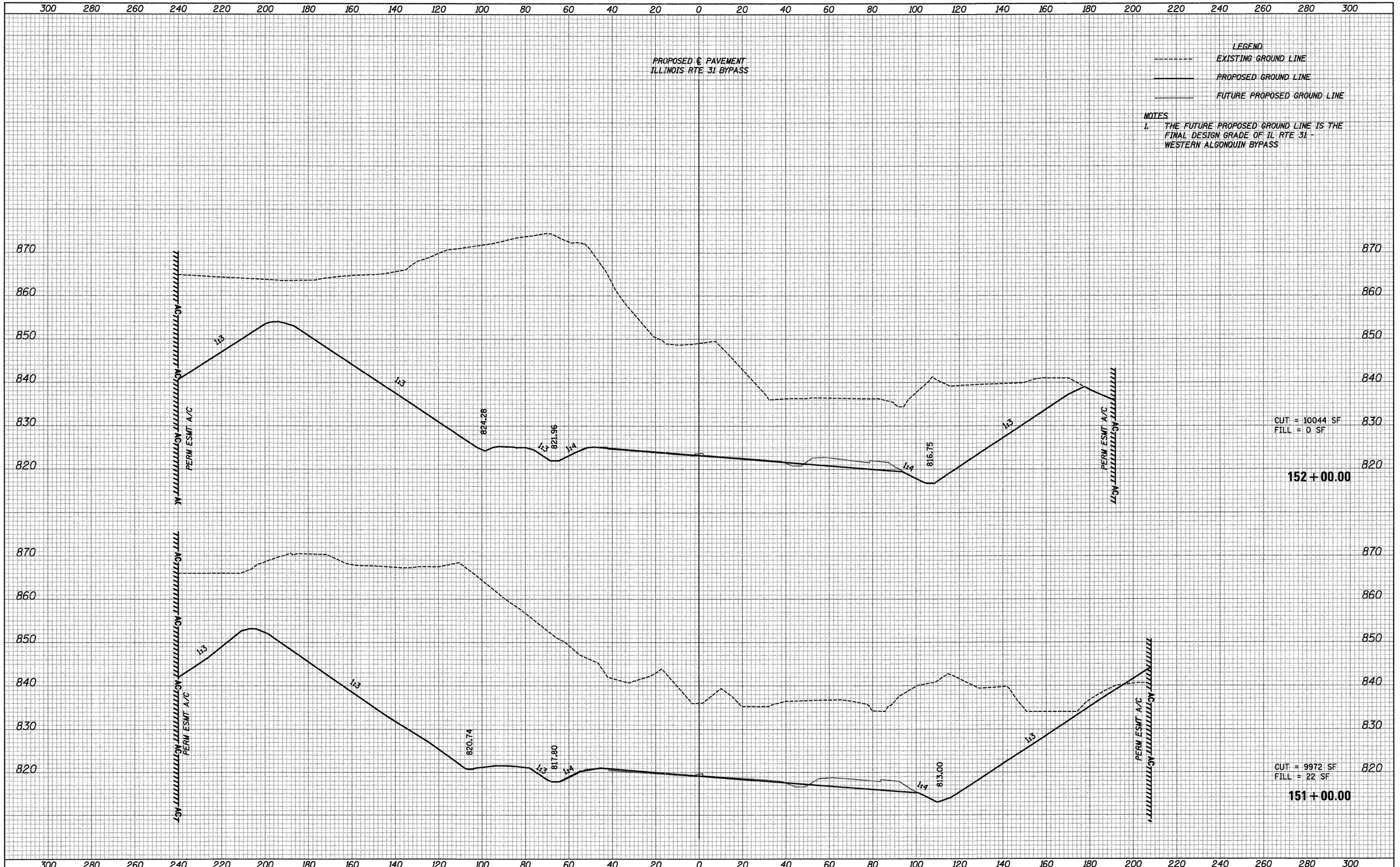
SCALE: | SHEET NO. OF SHEETS | STA. 149+00.00 TO STA. 150+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 88 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS




CUT = 10044 SF
FILL = 0 SF

**152+00.00**

CUT = 9972 SF
FILL = 22 SF

**151+00.00**

| FILE NAME = | USER NAME = ctb | DESIGNED - AKW | REVISED - |
|---|---|---|---|
| ...\D160F78-sht-xsec03.dgn | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 151+00.00 | TO STA. 152+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 89 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS

CUT = 5493 SF
FILL = 2 SF

**155 + 00.00**

CUT = 3844 SF
FILL = 0 SF

**154 + 00.00**

CUT = 8441 SF
FILL = 0 SF

**153 + 00.00**

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec03.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 153+00.00 TO STA. 155+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 90 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
- EXISTING GROUND LINE
- PROPOSED GROUND LINE
- FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS

870 860 850 840

PERM ESMT A/C
AC
AC
PERM ESMT A/C

836.00
1:3
1:3
1:4
836.00

CUT = 41 SF
FILL = 1357 SF
**158+00.00**

PERM ESMT A/C
AC
AC
PERM ESMT A/C

838.70
1:3
1:3
1:4
834.00
1:4

CUT = 165 SF
FILL = 1566 SF
**157+00.00**

PERM ESMT A/C
AC
AC
PERM ESMT A/C

1:2.5
1:3
838.51
836.22
1:3
1:4
831.62
1:4

CUT = 4226 SF
FILL = 0 SF
**156+00.00**

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec03.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 156+00.00 TO STA. 158+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 91 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

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

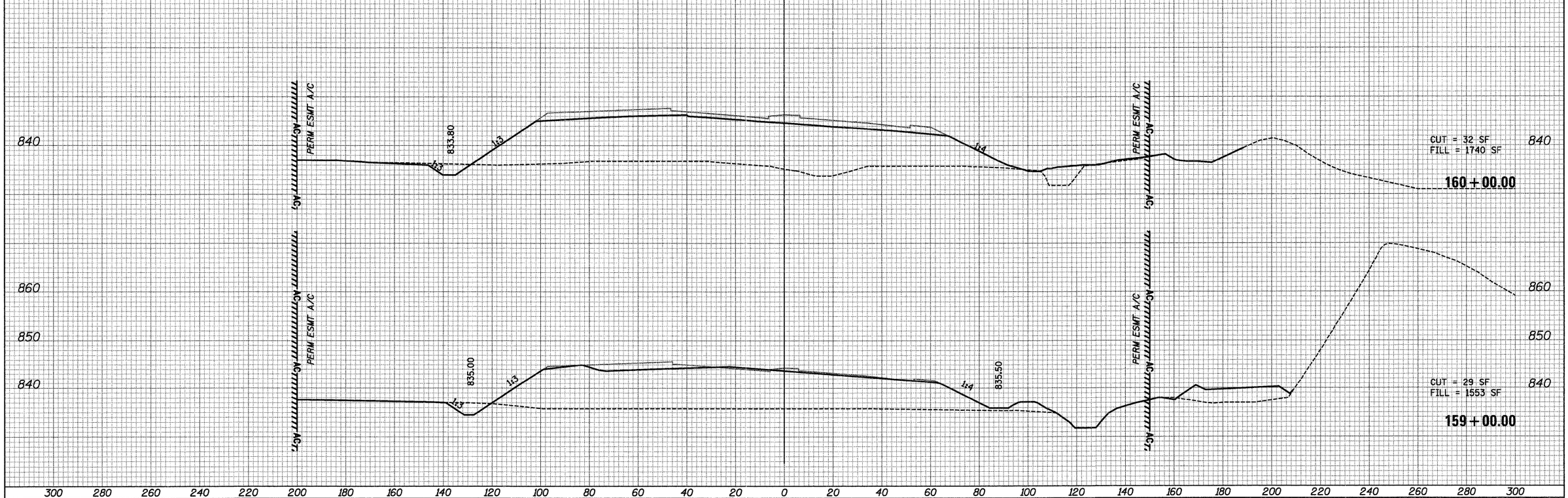
| ORIGINAL SURVEY | BY | DATE |
|---|---|---|
| SURVEYED | | |
| PLOTTED | | |
| NOTE BOOK | | |
| NO. | AREAS CHECKED | |

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
- EXISTING GROUND LINE
- PROPOSED GROUND LINE
- FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS




300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec03.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 159+00.00 TO STA. 160+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 92 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS

220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380

870 860 850 840

AC PERM ESMT A/C

ACCESS CONTROL

832.76 1:3 1:3 1:3 840.81 1:3 844.29 1:2

CUT = 32 SF
FILL = 5204 SF

**163 + 00.00**

833.02 1:3 1:3 1:3 838.23 1:3 841.71 1:2

CUT = 29 SF
FILL = 4056 SF

**162 + 00.00**

833.40 1:3 1:3 1:3 837.23 1:3 840.67

CUT = 27 SF
FILL = 2468 SF

**161 + 00.00**

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec03.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 161+00.00 TO STA. 163+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 93 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

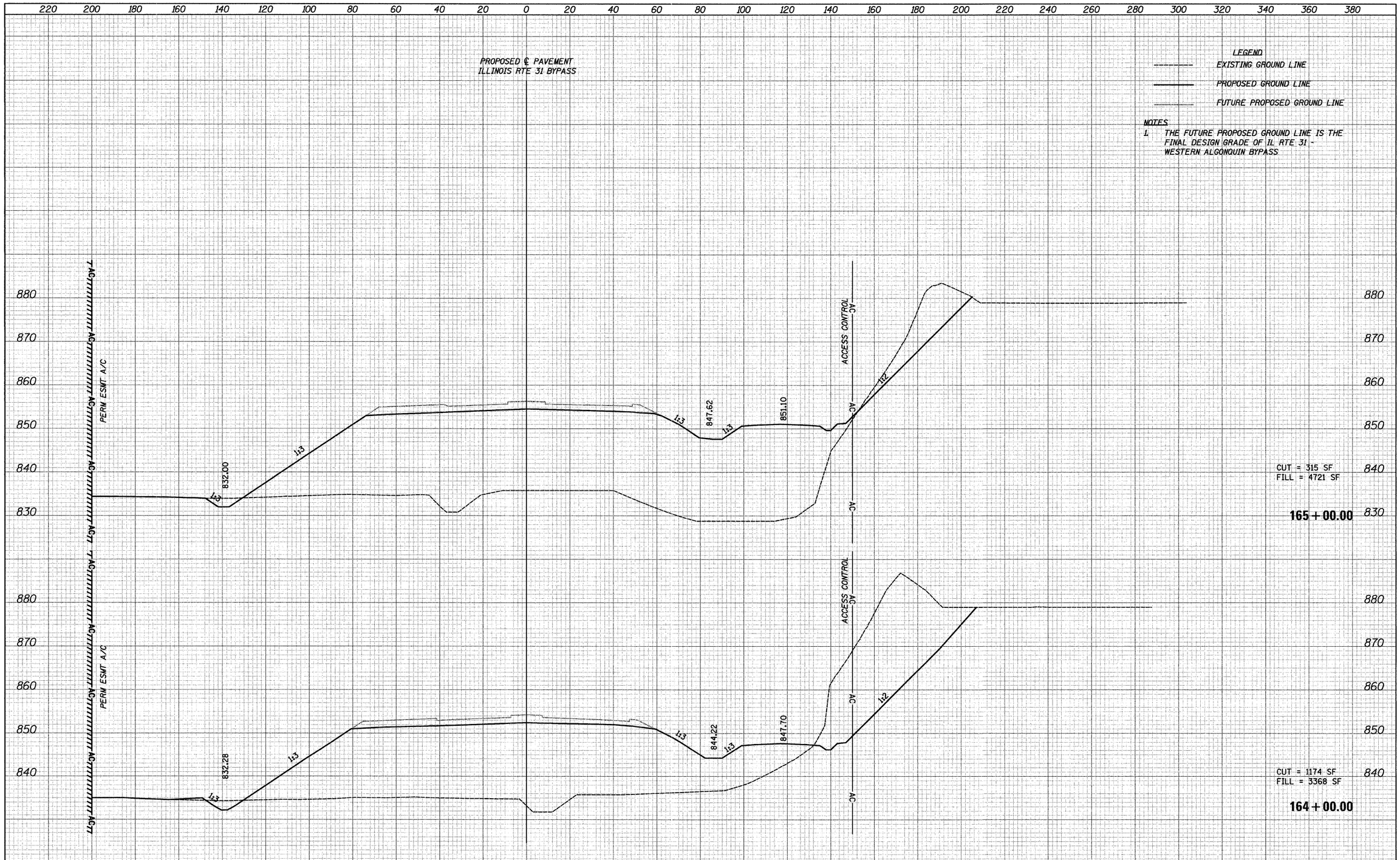
FINAL SURVEY
NOTE BOOK
SURVEYED
PLOTTED
TOPO MAP
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
SURVEYED
PLOTTED
TOPO MAP
AREAS
AREAS CHECKED
BY
DATE

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS




| | | |

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS

220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380

880 870 860 850 840 830

AC
PERM ESMT A/C
831.33
1:3
854.53
858.00
ACCESS CONTROL
1:2

CUT = 35 SF
FILL = 10565 SF

**167+00.00**

AC
PERM ESMT A/C
831.67
1:3
851.03
854.51
ACCESS CONTROL
1:2

CUT = 11 SF
FILL = 5729 SF

**166+00.00**

| | | | | |
|---|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec03.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** |
| | | DRAWN - AKW | REVISED - | |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - | |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - | |

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 166+00.00 TO STA. 167+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 95 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS

MATCH LINE A

PERM ESMT A/C

ACCESS CONTROL

865.69

858.37

861.85

830.14

1:2

1:3

CUT = 9 SF
FILL = 16073 SF

169 + 00.00

CUT = 21 SF
FILL = 13003 SF

168 + 00.00

| | | | | | |
|---|---|---|---|---|---|
| FILE NAME = ...\0160F78-sht-xsec03.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | CROSS SECTIONS |
| | | DRAWN - AKW | REVISED - | | |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - | | |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - | | SCALE: SHEET NO. OF SHEETS STA. 168+00.00 TO STA. 169+00.00 |

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 96 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380

PROPOSED ℄ PAVEMENT
ILLINOIS RTE 31 BYPASS

LEGEND

EXISTING GROUND LINE

PROPOSED GROUND LINE

FUTURE PROPOSED GROUND LINE

NOTES

1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS

880
870
860
850
840
830

AC
PERM ESMT A/C

869.53

4:1

AC
ACCESS CONTROL
AC

CUT = 0 SF
FILL = 3917 SF

**170+00.00**

220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380

DATE | BY | SURVEYED | PLOTTED | TRANSMITTAL DATE | AREAS | AREAS CHECKED | NOTE BOOK | NO.

ORIGINAL SURVEY

DATE | BY | SURVEYED | PLOTTED | TRANSMITTAL DATE | AREAS | AREAS CHECKED | NOTE BOOK | NO.

FINAL SURVEY

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec03.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/27/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 170+00.00 | TO STA. 170+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 97 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

| FINAL SURVEY | NOTE BOOK | NO. |
|---|---|---|
| SURVEYED | PLOTTED | LENGTHS |
| AREAS | AREAS CHECKED | |

| ORIGINAL SURVEY | NOTE BOOK | NO. |
|---|---|---|
| SURVEYED | PLOTTED | LENGTHS |
| AREAS | AREAS CHECKED | |

| BY | DATE |
|---|---|
| | |

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

PROPOSED ℄ PAVEMENT
ILLINOS RTE 31 BYPASS

LEGEND

EXISTING GROUND LINE

PROPOSED GROUND LINE

FUTURE PROPOSED GROUND LINE

NOTES

1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS

860 850 840 830 820 810 800 790 780 770 760

30" PR CULVERT

24" PR STORM SEWER

**137+73.68**

SKEW ANGLE = 14°37'40"

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec04.dgn | USER NAME = otb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 137+73.68 | TO STA. 137+73.68

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 98 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

PROPOSED ℄ PAVEMENT
ILLINOS RTE 31 BYPASS

LEGEND

EXISTING GROUND LINE

PROPOSED GROUND LINE

FUTURE PROPOSED GROUND LINE

NOTES

1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS

806.00

24" PR STORM SEWER

778.00

**141+59.60**

SKEW ANGLE = 6°37'26" RT

| | | | | |
|---|---|---|---|---|
| FILE NAME = ...\D162F78-sht-xsec24.dgn | USER NAME = otb | DESIGNED - AKW | REVISED - | **STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION** |
| | | DRAWN - AKW | REVISED - | |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - | |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - | |

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 141+59.60 | TO STA. 141+59.60

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 99 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

PROPOSED ℄ PAVEMENT
ILLINOS RTE 31 BYPASS

LEGEND
- EXISTING GROUND LINE
- PROPOSED GROUND LINE
- FUTURE PROPOSED GROUND LINE

NOTES
1. THE FUTURE PROPOSED GROUND LINE IS THE FINAL DESIGN GRADE OF IL RTE 31 - WESTERN ALGONQUIN BYPASS

840

834.00

24" PR STORM SEWER

832.00

840

**159+50.70**
SKEW ANGLE = 0°47'42" RT

870
860
850
840
830
820
810

819.00

815.00

12" PR STORM SEWER

**150+09.81**
SKEW ANGLE = 19°39'06" RT

300 280 260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300

| FILE NAME = | USER NAME = ctb | DESIGNED - AKW | REVISED - |
|---|---|---|---|
| ...\D160F78-sht-xsec24.dgn | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 150+09.81 TO STA. 159+50.70

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 100 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

LEGEND

EXISTING GROUND LINE

PROPOSED GROUND LINE

FUTURE PROPOSED GROUND LINE

℄ MEYER DRIVE

**305+00.00**
CUT = 1 SF
FILL = 594 SF

**304+00.00**
CUT = 9 SF
FILL = 703 SF

**303+00.00**
CUT = 37 SF
FILL = 638 SF

**302+00.00**
CUT = 0 SF
FILL = 320 SF

**301+00.00**
CUT = 18 SF
FILL = 149 SF

**300+00.00**
CUT = 0 SF
FILL = 247 SF

PERM ESMT A/C

AC

TEMP EASEMENT

| FINAL SURVEY | SURVEYED | BY | DATE |
|---|---|---|---|
| NOTE BOOK | PLOTTED | | |
| NO. | MAP/PLTE | | |
| | AREAS | | |
| | AREAS CHECKED | | |

| ORIGINAL SURVEY | SURVEYED | BY | DATE |
|---|---|---|---|
| NOTE BOOK | PLOTTED | | |
| NO. | MAP/PLTE | | |
| | AREAS | | |
| | AREAS CHECKED | | |

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec05.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 300+00.00 TO STA. 305+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 101 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

LEGEND

EXISTING GROUND LINE

PROPOSED GROUND LINE

FUTURE PROPOSED GROUND LINE

**308+00.00**

CUT = 3406 SF
FILL = 0 SF

**307+00.00**

CUT = 3135 SF
FILL = 0 SF

**306+00.00**

CUT = 566 SF
FILL = 12 SF

**305+22.36**

CUT = 74 SF
FILL = 391 SF

℄ MEYER DRIVE

AC

PERM ESMT A/C

1:2.5

TEMP EASEMENT

BR 48" PIPE CULVERT

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

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

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-xsec05.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 305+22.36 TO STA. 308+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 102 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

LEGEND

EXISTING GROUND LINE

PROPOSED GROUND LINE

FUTURE PROPOSED GROUND LINE

**313+00.00**
CUT = 4606 SF
FILL = 0 SF

**312+00.00**
CUT = 3310 SF
FILL = 124 SF

**311+00.00**
CUT = 3064 SF
FILL = 132 SF

**310+00.00**
CUT = 3243 SF
FILL = 141 SF

**309+00.00**
CUT = 3620 SF
FILL = 138 SF

℄ MEYER DRIVE

PERM ESMT A/C

TEMP EASEMENT

1:2.5

| ORIGINAL SURVEY | | BY | DATE |
|---|---|---|---|
| NOTE BOOK | SURVEYED | | |
| NO. | PLOTTED | | |
| | MAP/PLAT | | |
| | AREAS | | |
| | AREAS CHECKED | | |

| FINAL SURVEY | | BY | DATE |
|---|---|---|---|
| NOTE BOOK | SURVEYED | | |
| NO. | PLOTTED | | |
| | MAP/PLAT | | |
| | AREAS | | |
| | AREAS CHECKED | | |

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec05.dgn | USER NAME = atb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 309+00.00 TO STA. 313+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 103 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

℄ MEYER DRIVE

**318+00.00**
CUT = 28 SF
FILL = 43 SF

**317+00.00**
CUT = 291 SF
FILL = 0 SF

**316+00.00**
CUT = 873 SF
FILL = 0 SF

**315+00.00**
CUT = 5165 SF
FILL = 0 SF

**314+00.00**
CUT = 4279 SF
FILL = 0 SF

PERM ESMT
A/C
TEMP EASEMENT
1:2.5

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

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

| | | | |
|---|---|---|---|
| FILE NAME = ...\0160F78-sht-xsec05.dgn | USER NAME = etb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 314+00.00 TO STA. 318+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 104 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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

AREA F

995250 E
995190 E
995130 E
995070 E
995010 E
994950 E
994890 E

870 860 850 840 830 820

2004500 N

850 840 830 820

2004400 N

860 850 840 830 820 810

2004300 N

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-xsec06.dgn | USER NAME = otb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

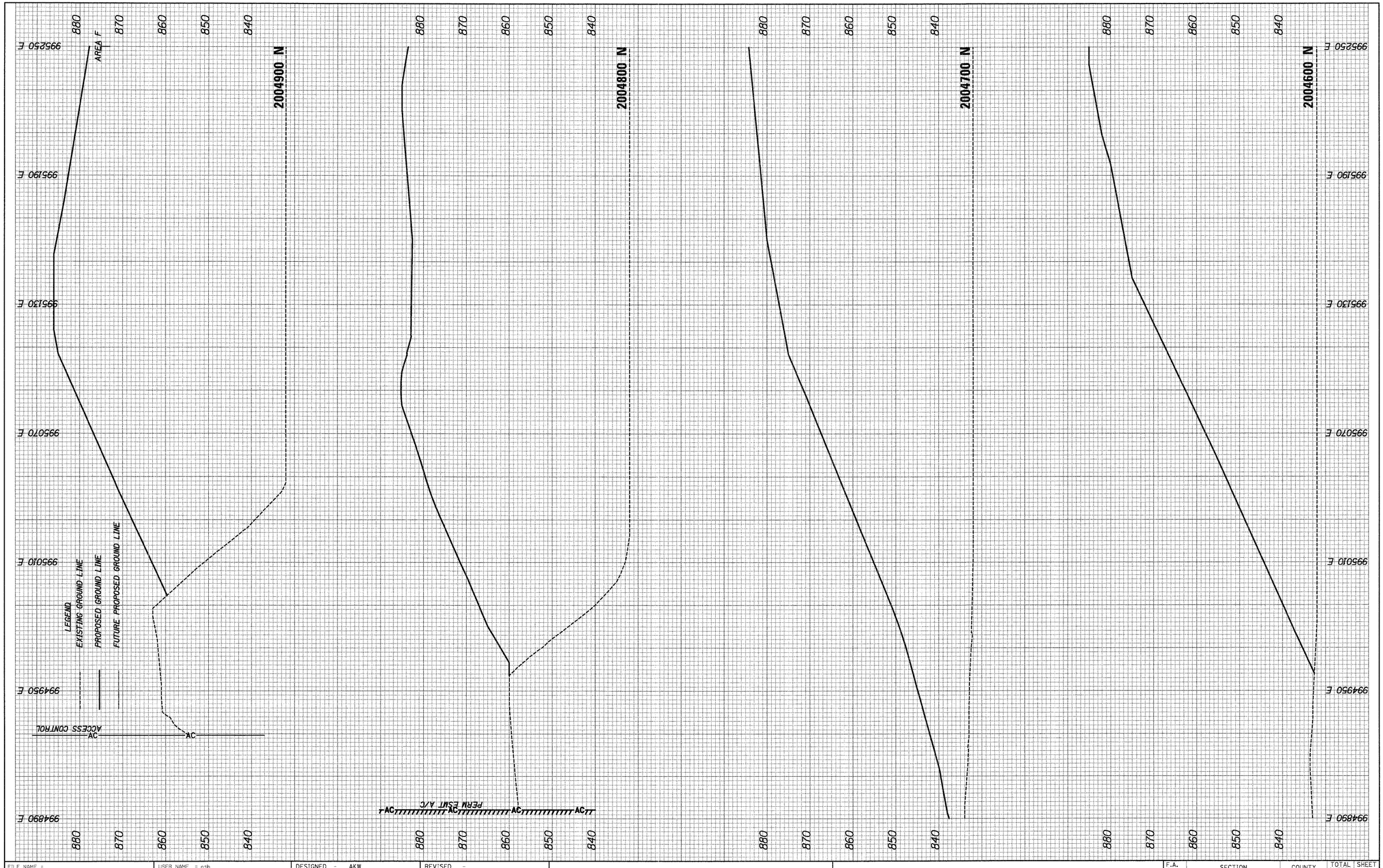
**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 2004300 | TO STA. 2004500

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 105 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

| ORIGINAL SURVEY | | BY | DATE |
|---|---|---|---|
| NOTE BOOK | SURVEYED | | |
| NO. | PLOTTED | | |
| | HORIZ. & V.C. | | |
| | AREAS | | |
| | AREAS CHECKED | | |

| FINAL SURVEY | | BY | DATE |
|---|---|---|---|
| NOTE BOOK | SURVEYED | | |
| NO. | PLOTTED | | |
| | HORIZ. & V.C. | | |
| | AREAS | | |
| | AREAS CHECKED | | |




| FILE NAME = | USER NAME = otb | DESIGNED - AKW | REVISED - |
|---|---|---|---|
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| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

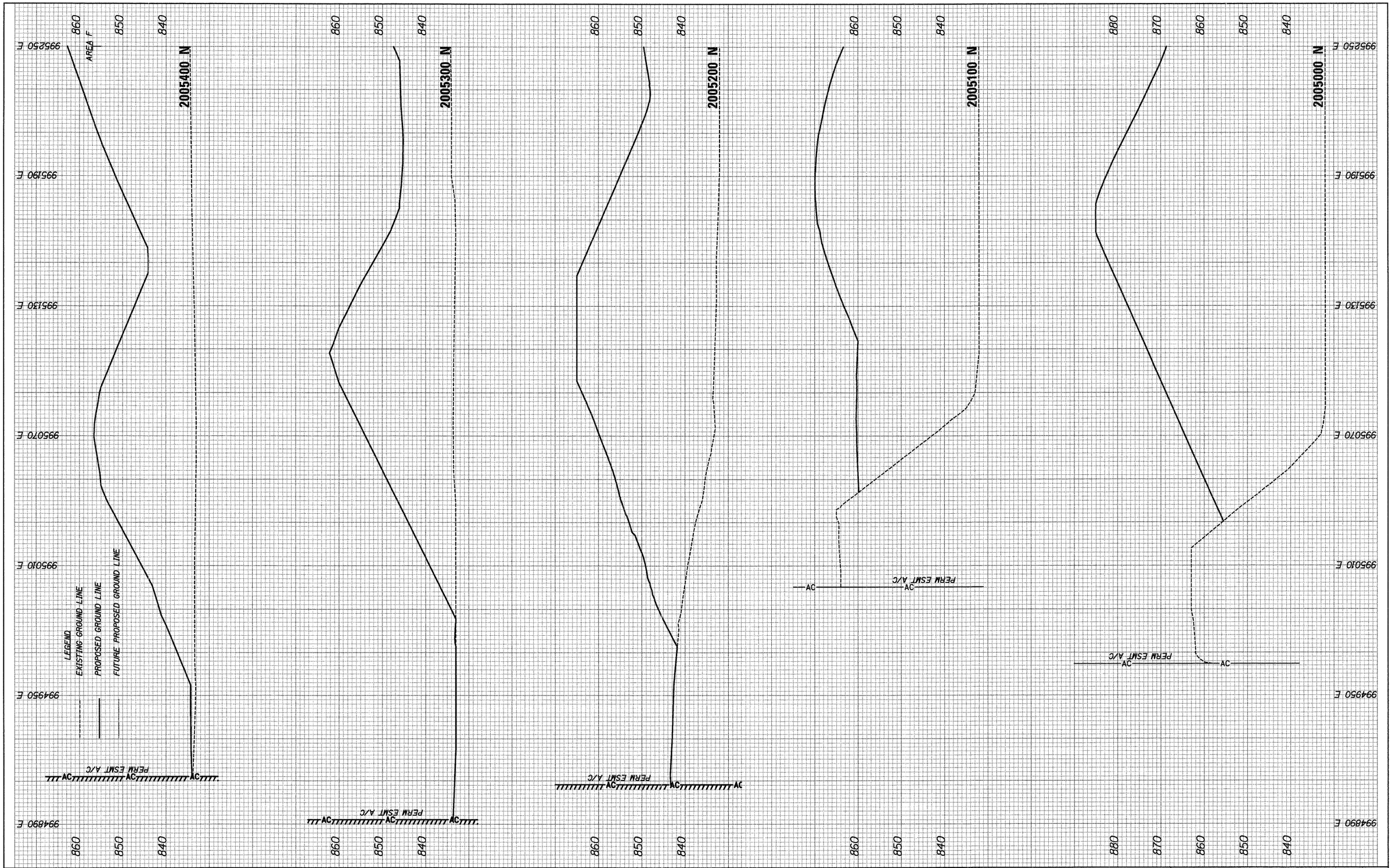
**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 2004600 | TO STA. 2004900

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 106 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

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

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




| FILE NAME = ...\D160F78-sht-xsec06.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
|---|---|---|---|
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 2005000 | TO STA. 2005400

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 107 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

AREA F

2005900 N

2005800 N

2005700 N

2005600 N

2005500 N

995250 E

995190 E

995130 E

995070 E

995010 E

994950 E

994890 E

840

860

850

870

PERM ESMT A/C

AC

LEGEND

EXISTING GROUND LINE

PROPOSED GROUND LINE

FUTURE PROPOSED GROUND LINE

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

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-xsec06.dgn | USER NAME = otb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 2005500 TO STA. 2005900

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 108 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

AREA F

995250 E
995190 E
995130 E
995070 E
995010 E
994950 E
994890 E

840 830 — 2006400 N — PERM ESMT A/C — AC — AC
860 850 840 — 2006300 N — PERM ESMT A/C — AC — AC
860 850 840 — 2006200 N — PERM ESMT A/C — AC — AC
850 840 — 2006100 N — PERM ESMT A/C — AC — AC
850 840 — 2006000 N — PERM ESMT A/C — AC — AC

LEGEND
EXISTING GROUND LINE
PROPOSED GROUND LINE
FUTURE PROPOSED GROUND LINE

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

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

| | | | |
|---|---|---|---|
| FILE NAME = ...\D162F78-sht-xsec06.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

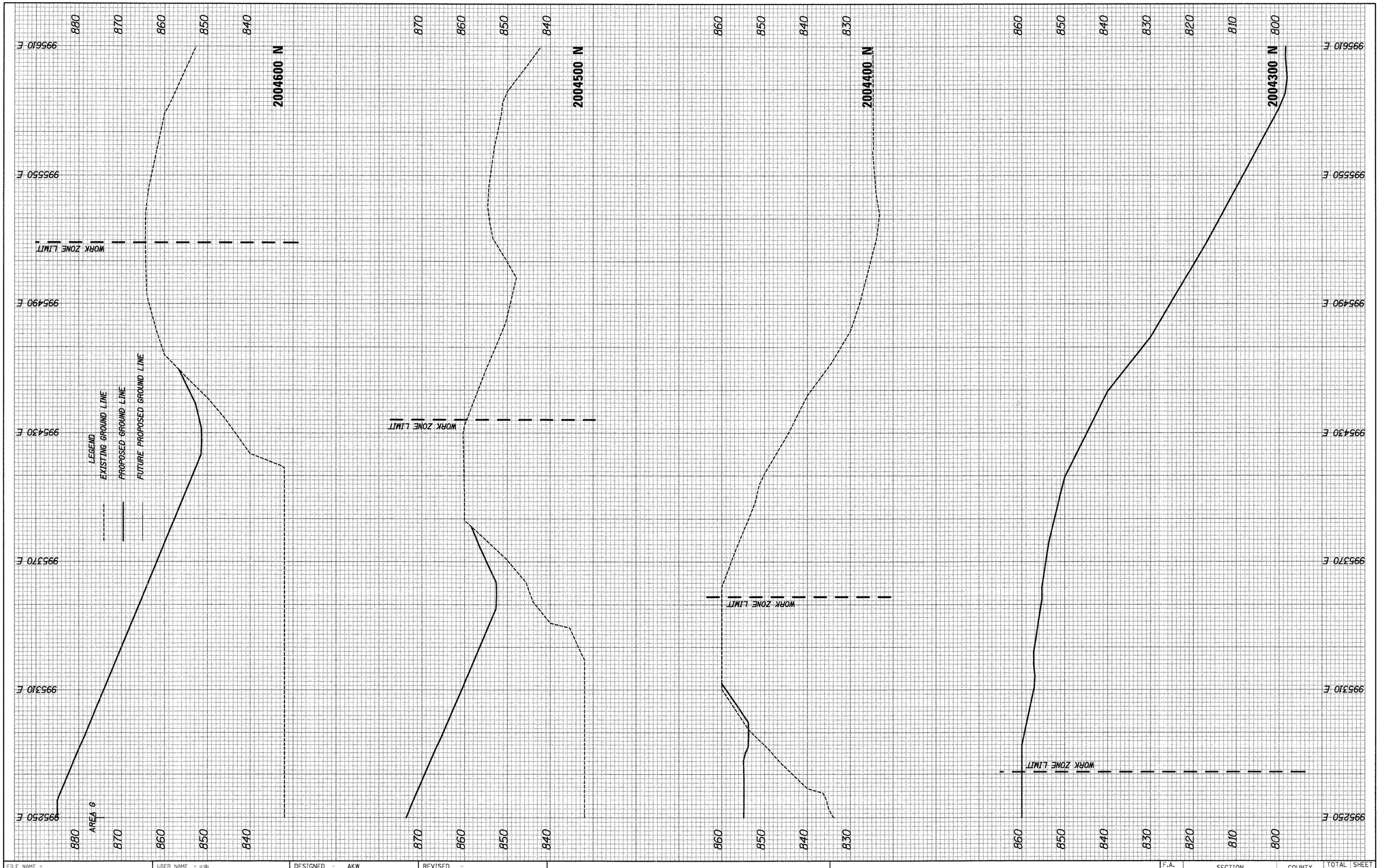
**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 2006000 TO STA. 2006400

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 109 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

| FINAL SURVEY | SURVEYED | BY | DATE |
|---|---|---|---|
| NOTE BOOK | PLOTTED | | |
| NO. | ITEMS ADDED OR DELETED | | |
| | AREAS | | |
| | AREAS CHECKED | | |

| ORIGINAL SURVEY | SURVEYED | BY | DATE |
|---|---|---|---|
| NOTE BOOK | PLOTTED | | |
| NO. | ITEMS ADDED OR DELETED | | |
| | AREAS | | |
| | AREAS CHECKED | | |




| | | | |
|---|---|---|---|
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| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 2004300 TO STA. 2004600

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 110 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

AREA G

995250 E 995310 E 995370 E 995430 E 995490 E 995550 E 995610 E 995670 E 995730 E

880 870 860 850 840

LEGEND

EXISTING GROUND LINE

PROPOSED GROUND LINE

FUTURE PROPOSED GROUND LINE

WORK ZONE LIMIT

2004800 N

2004700 N

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

| | | | |
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| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

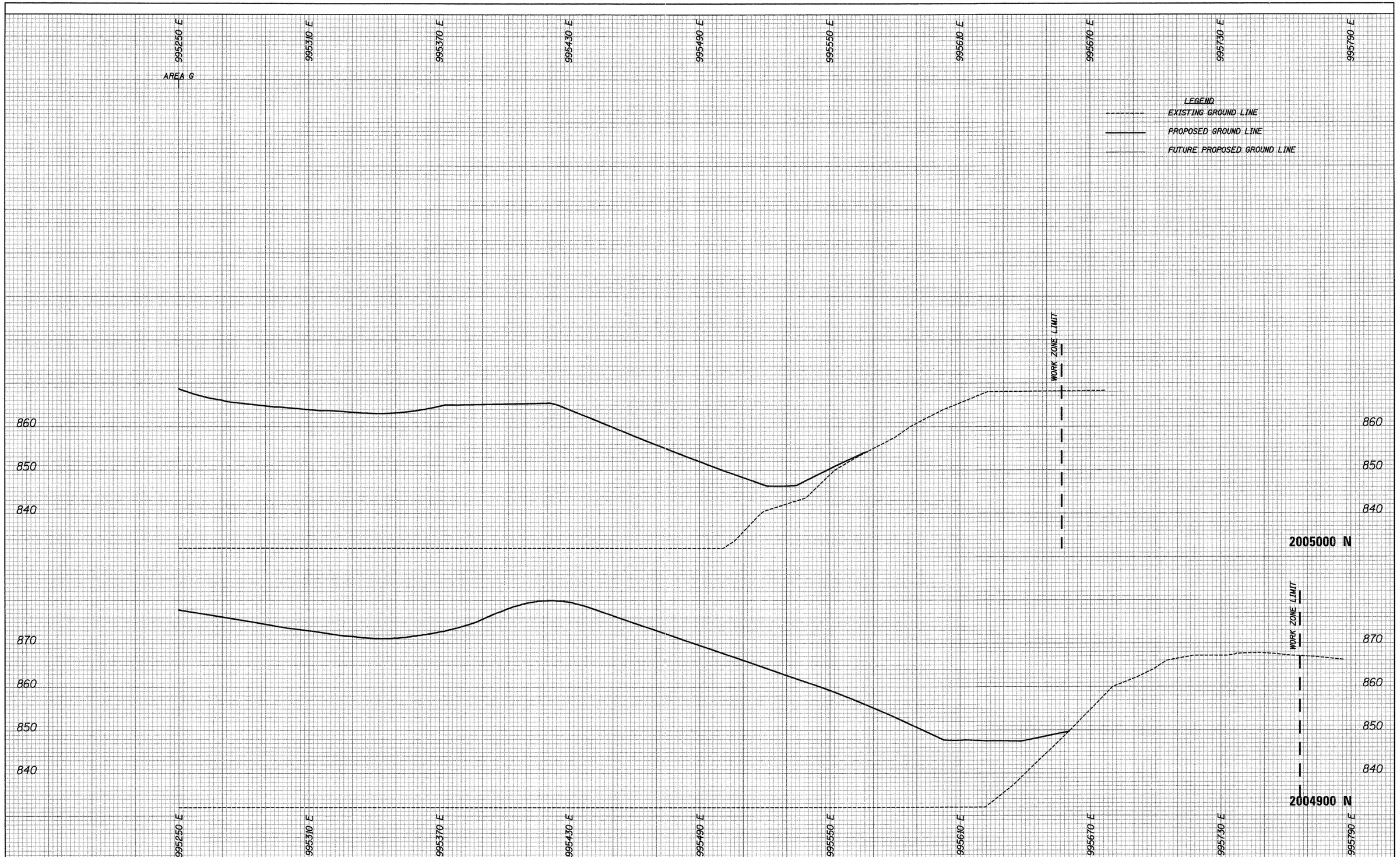
**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 20047+00.00 TO STA. 20048+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 111 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |

| FINAL SURVEY | NOTE BOOK | NO. |
|---|---|---|
| SURVEYED | DESIGNED | AREAS CHECKED |
| PLOTTED | DRAWN | |
| TRACED | CHECKED | |
| | AREAS | |

| ORIGINAL SURVEY | NOTE BOOK | NO. |
|---|---|---|
| SURVEYED | DESIGNED | AREAS CHECKED |
| PLOTTED | DRAWN | |
| TRACED | CHECKED | |
| | AREAS | |



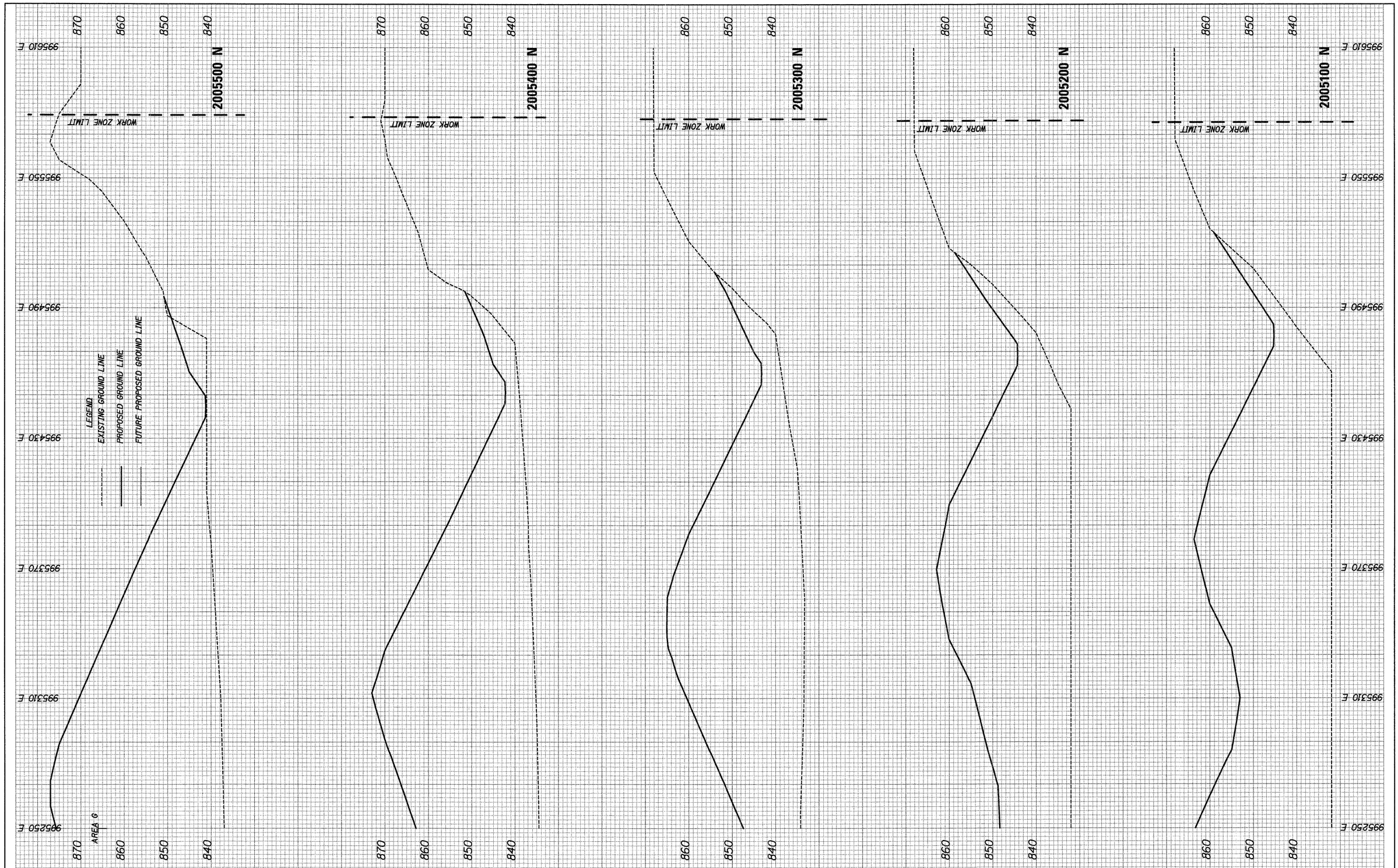

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| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 20049+00.00 TO STA. 20050+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 112 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |




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

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

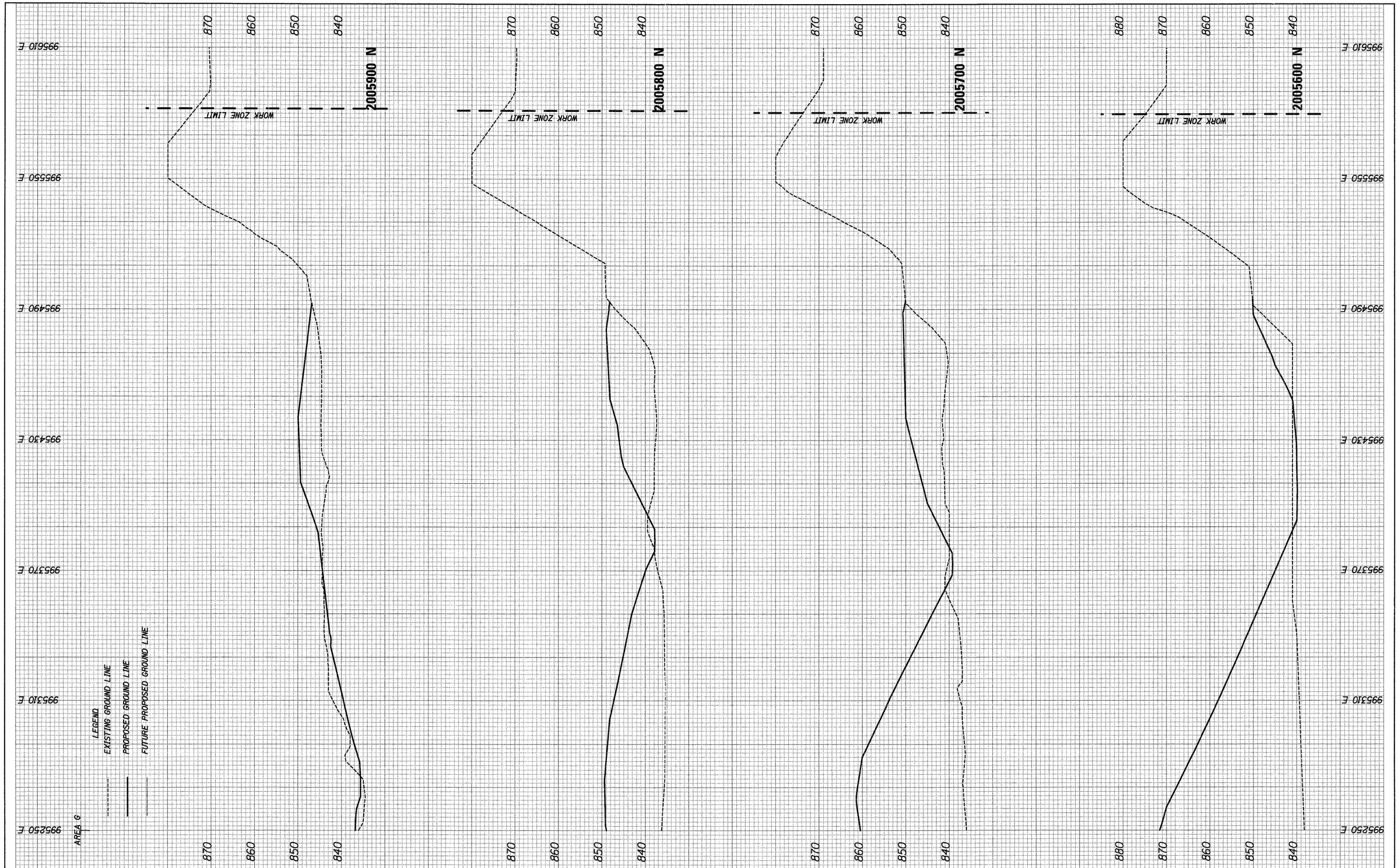
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| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 2005100 | TO STA. 2005500

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 113 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |




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

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

| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec07.dgn | USER NAME = otb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 2005600 TO STA. 2005900

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 114 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS FED. AID PROJECT | | | |

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

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




| | | | |
|---|---|---|---|
| FILE NAME = ...\D160F78-sht-xsec07.dgn | USER NAME = ctb | DESIGNED - AKW | REVISED - |
| | | DRAWN - AKW | REVISED - |
| | PLOT SCALE = 20.0000 ' / in. | CHECKED - PML | REVISED - |
| | PLOT DATE = 1/18/2012 | DATE - 1/20/2012 | REVISED - |

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

**CROSS SECTIONS**

SCALE: | SHEET NO. OF SHEETS | STA. 2006000 | TO STA. 2006400

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| | 18A-1 | McHENRY | 115 | 115 |
| | | CONTRACT NO. 60F78 | | |
| | ILLINOIS | FED. AID PROJECT | | |