

| | | | | |
|---------------------|----------|--------------------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1042 | 107T-1 | OGLE | 53 | 1 |
| FED. ROAD DIST. NO. | ILLINOIS | CONTRACT NO. 64B09 | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAS ROUTE 1042 (IL 251)
SECTION 107T-1
PROJECT ACBRS-ACRS-1042(106)
OGLE COUNTY

C-92-023-09

R 1 E



D-92-071-05



IMPROVEMENT BEGINS
STA. 640 + 00
SECTION BEGINS
STA. 640 + 50
INCLUDES THE REMOVAL AND REPLACEMENT OF THE EXISTING BOX CULVERT EXISTING SN-071-2001 PROPOSED SN-071-2027
SECTION ENDS
STA. 643 + 60
IMPROVEMENT ENDS
STA. 644 + 10

T 41 N

IMPROVEMENT BEGINS
STA. 446 + 50
SECTION BEGINS
STA. 447 + 00
INCLUDES THE REMOVAL AND REPLACEMENT OF THE EXISTING BOX CULVERT EXISTING SN-071-1092 PROPOSED SN-071-1147
SECTION ENDS
STA. 450 + 50
IMPROVEMENT ENDS
STA. 451 + 00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 12/05 2008

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 27, 20 09
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 27, 20 09
[Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

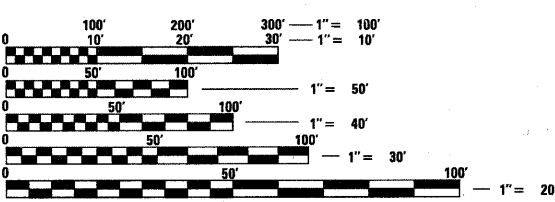
PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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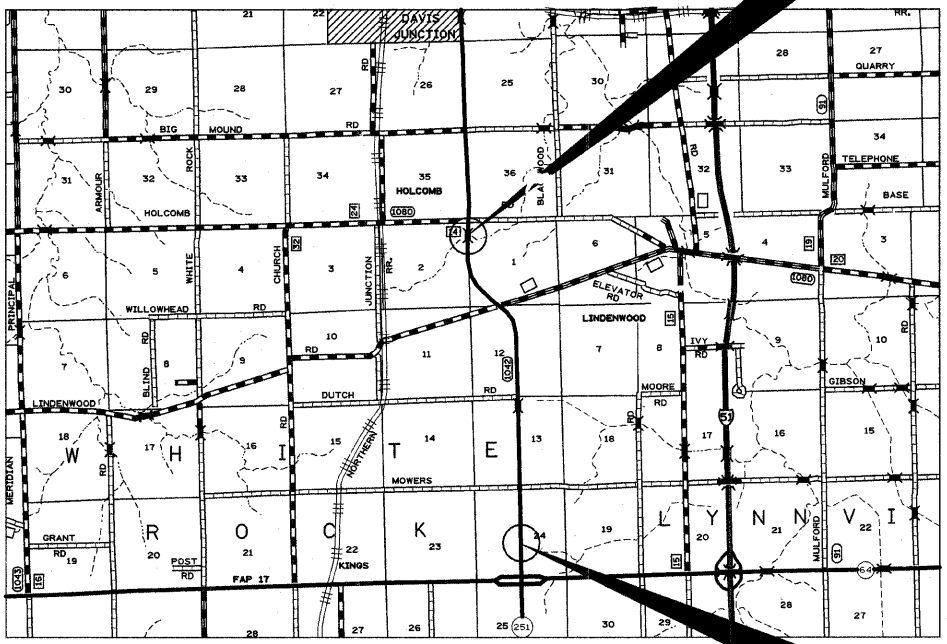
STATE STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 406201-01 MAILBOX TURNOUT
- 420001-07 PAVEMENT JOINTS
- 442201-03 CLASS C AND D PATCHES
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 515001-03 NAME PLATE FOR BRIDGES
- 542401-01 METAL END SECTION FOR PIPE CULVERTS
- 635001-01 DELINEATORS
- 665001-02 WOVEN WIRE FENCE
- 666001-01 RIGHT-OF-WAY MARKERS
- 701901-01 TRAFFIC CONTROL DEVICES
- 720011-01 METAL POSTS FOR SIGNS, MARKERS, AND DELINEATORS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 729001-01 APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS



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



WHITE ROCK TOWNSHIP, SECTIONS 1,2, & 24
CONTRACT NO. 64B09

WHITE ROCK TOWNSHIP, SECTION 1,2,24
GROSS LENGTH OF PROJECT = 19,710 LIN. FT = 3.73 MILE
NET LENGTH OF PROJECT = 760 LIN. FT = 0.14 MILE

PROJECT ENGINEER: REBECCA MARRUFFO

SQUAD LEADER: BRAD CUSHMAN (815)-284-5996

SUMMARY OF QUANTITIES

| | |
|---------------------------------------|------------------|
| ACRS Y007 | ACBRS X028-2A |
| Ogle County 80% FED / 20% STATE | |

| CODE NUMBER | ITEM | UNIT | TOTAL QUANTITY | SN# 071-1147 | SN# 071-2027 |
|--------------|--|-------|----------------|--------------|--------------|
| 20100500 | TREE REMOVAL, ACRES | ACRE | 0.50 | 0.50 | |
| 20101000 | TEMPORARY FENCE | FOOT | 232 | 232 | |
| 20200100 | EARTH EXCAVATION | CU YD | 1980 | 346 | 1634 |
| 20200200 | ROCK EXCAVATION | CU YD | 33 | 33 | |
| 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | CU YD | 225 | | 225 |
| 20300100 | CHANNEL EXCAVATION | CU YD | 50 | | 50 |
| 20400800 | FURNISHED EXCAVATION | CU YD | 120 | 120 | |
| 21301052 | EXPLORATION TRENCH 52" DEPTH | FOOT | 840 | 20 | 820 |
| * 25000100 | SEEDING, CLASS 1 | ACRE | 0.25 | 0.25 | |
| * 25000210 | SEEDING, CLASS 2A | ACRE | 1.00 | 0.30 | 0.70 |
| * 25000310 | SEEDING, CLASS 4 | ACRE | 0.50 | 0.20 | 0.30 |
| + * 25000750 | MOWING | ACRE | 1.20 | 0.50 | 0.70 |
| * 25100115 | MULCH, METHOD 2 | ACRE | 1.20 | 0.50 | 0.70 |
| * 25100630 | EROSION CONTROL BLANKET | SQ YD | 4022.0 | 661 | 3361 |
| * 25100900 | TURF REINFORCEMENT MAT | SQ YD | 96.0 | 96 | |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 496 | 96 | 400 |
| 28000300 | TEMPORARY DITCH CHECKS | EACH | 30 | 18 | 12 |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 259 | 259 | |
| 28000500 | INLET AND PIPE PROTECTION | EACH | 3 | 2 | 1 |
| 28100107 | STONE RIPRAP, CLASS A4 | SQ YD | 106 | 44 | 62 |
| 28200200 | FILTER FABRIC | SQ YD | 106 | 44 | 62 |
| 35101400 | AGGREGATE BASE COURSE, TYPE B | TON | 168 | 68 | 100 |
| 40600625 | LEVELING BINDER (MACHINE METHOD), N50 | TON | 151 | 80 | 71 |
| 40600895 | CONSTRUCTING TEST STRIP | EACH | 2 | 1 | 1 |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ YD | 300 | 150 | 150 |
| 40603310 | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 | TON | 258 | 135 | 123 |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING | TON | 27 | 27 | |
| 44201383 | CLASS C PATCHES, TYPE IV, 12 INCH | SQ YD | 226 | | 226 |
| 44201396 | CLASS C PATCHES, TYPE IV, 13 INCH | SQ YD | 210 | 210 | |
| 48101200 | AGGREGATE SHOULDERS, TYPE B | TON | 540 | 277 | 263 |
| 48203019 | HOT-MIX ASPHALT SHOULDERS, 5 1/2" | SQ YD | 294 | 156 | 138 |
| 50100300 | REMOVAL OF EXISTING STRUCTURES, NO. 1 | EACH | 1 | | 1 |

* SPECIALTY ITEMS † NON-PARTICIPATING 100% STATE

| | | | | | | | | | | |
|--|-----------------------|------------|-----------|---|----------------------------------|--|-------------------|----------------|-----------------------|-------------------|
| FILE NAME = c:\pwork\pwork\cushmanbw\dms37281\0271185-ahh-500.dgn | USER NAME = cushmanbw | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | F.A.S RTE. 1042 | SECTION 107T-1 | COUNTY OGLE | TOTAL SHEETS 53 | SHEET NO. 2 |
| PLOT SCALE = 50,0000' / IN. | CHECKED - | REVISED - | REVISED - | SCALE: | SHEET NO. OF SHEETS STA. TO STA. | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 64B09 | | | | |
| PLOT DATE = Mon Dec 01 13:06:00 2008 | DATE - | REVISED - | REVISED - | | | | | | | |

GENERAL NOTES

| | | | | |
|----------------------|----------|---------|--------------|-----------|
| ROUTE NO. | SEC. | COUNTY | TOTAL SHEETS | SHEET NO. |
| FAS 1042 (IL 251) | 107T-1 | Ogle | 53 | 4 |
| FED ROAD DIST. NO. | ILLINOIS | PROJECT | | |
| Contract #64B09 | | | | |

See cross sections for special ditches and backslopes.

At the locations where Excavation Quantities on the plans are indicated as having been estimated, the Engineer will obtain original and final cross sections to determine Pay Quantities.

The final top 100 mm (four inches) of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils.

It is estimated that 120 cubic yards of earth will be hauled to the job from outside the project limits. A shrinkage factor of 25% has been used.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the cost of SEEDING.

Layout of all trees shall be performed by the District Landscape Architect.

Mulch shall be hardwood wood chips, 5 foot diameter, 4 inches thick with weed barrier fabric.

Placement and compaction of the backfill for proposed across road culverts and existing across road culverts that are removed shall conform to Section 502.10 of the Standard Specifications, except that the material shall conform to Article 208.02 of the Standard Specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. Any material conforming to the requirements of Article 1003.04 or 1004.05 which has been excavated from the trenches shall be used for backfilling the trenches. The entire excavation, within 2 feet outside of each shoulder, shall be backfilled with trench backfill material to the bottom of the proposed subgrade. This trench backfill material will not be measured for payment, but shall be included in the contract unit price for the class of concrete involved or other unit price item of the work for which it is required.

The drop off that occurs at entrance edges as a result of resurfacing of the entrance shall be corrected using aggregate shoulder material. This work shall be paid for by the TON for Aggregate Shoulders of the type specified in the plans.

The following Mixture Requirements are applicable for this project:

| Mixture Uses(s): | Surface | Leveling Binder | Top Shoulder | Bottom Shoulder |
|---|----------------|-----------------|----------------|-----------------|
| PG: | PG 64-22 | PG 64-22 | PG 58-22 | PG 58-22 |
| Design Air Voids | 4.0% @ N50 | 4.0% @ N50 | 3 @ N50 | 2 @ N50 |
| Mixture Composition (Gradation Mixture) | IL 9.5 or 12.5 | IL 9.5 | IL 9.5 or 12.5 | BAM |
| Friction Aggregate | C | N/A | C | N/A |
| 20 Year ESAL | 1.9 | 1.9 | N/A | N/A |

The Contractor will be required to furnish 140 mm (5 1/2") high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 150 mm (6") inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

Bituminous and Aggregate prime coat shall be placed in accordance with Section 406 of the Standard Specifications. The cost of the prime coats shall be included in the contract unit price per metric ton (ton) for LEVELING BINDER (MACHINE METHOD) of the type specified.

A Nationwide 404 Permit has been issued for this project and the conditions of that permit must be adhered to.

The new number for the structure at Sta. 448+61 will be 071-1147.

The new number for the structure at Sta. 642+04.80 will be 071-2027.

The contractor shall submit four copies of the required shop drawings for review and approval to the Bureau of Bridges and Structures, 2300 South Dirksen Parkway, Springfield, IL 62764. After approval of initial submittal, the contractor shall submit one set of shop drawings to Dave Lippert, Engineer of Materials, 126 East Ash Street, Springfield, IL 62706, and eight (8) sets of shop drawings to be distributed to:

- District 2 District Engineer (1)
- Fabricator (1)
- Contractor (2)
- Resident Engineer (2)
- District 2 Bureau of Materials (2)

Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

The proposed pipes for entrances and side roads shall be placed in line with the existing or proposed ditch line.

Connecting bands for corrugated metal pipes shall be metal and shall be coated with the same material as the pipe sections. The connecting bands shall be a minimum of 18" wide.

If, during the grinding or resurfacing operations, the existing mailboxes become a hindrance, the Contractor shall be required to carefully remove and reinstall the mailboxes as directed by the Engineer. This work shall be included in the contract unit price for the INCIDENTAL HOT-MIX ASPHALT SURFACING.

Where field tile is encountered, storm sewer or pipe drain will be used in accordance with Section 611. The minimum size for replacement will be 150 mm (6") for Pipe Drains and 200 mm (8") for Storm Sewer, but the size must be at least 50 mm (2") larger than the adjoining tile. A Field Tile Junction Vault will be constructed at the right of way to connect the tile and storm sewer. See the Summary of Quantities for the estimated quantities.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted.

Delineators shall be placed at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

WORK ON THIS PROJECT WILL BE IN PROGRESS AT THE SAME TIME AS WORK ON CONTRACT NO. 64E10. WORK ON THESE PROJECTS SHALL BE SCHEDULED TO KEEP INTERFERENCE BETWEEN ALL THE PROJECTS TO A MINIMUM. THE CONTRACTORS SHALL INFORM EACH OTHER OF PROGRESS OF THE PROJECTS AND GIVE FAIR WARNING TO THE OTHER CONTRACTORS WHEN A PROBLEM MIGHT BE ENCOUNTERED.

GENERAL NOTES

| ROUTE NO. | SEC. | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------------------|----------|---------|--------------|-----------|
| FAS 1042 (IL 251) | 107T-1 | Ogle | 53 | 5 |
| FED ROAD DIST. NO. | ILLINOIS | PROJECT | | |
| Contract #64B09 | | | | |

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 2.4 m (8 feet) high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 200 mm (8"), not 180 mm (7") as shown in the detail of Typical Lane and Edge Lines.

PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1.6 Km (1 mile) or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 2 Each.

Permanent Survey Markers, Type II shall be cast-in-place as shown on District Standard 66.2. The bottom of the marker shall be 5'-0" below the ground surface.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The horizontal and vertical coordinates must be derived by GPS and the elevation derived by a closed level circuit. The Engineer shall submit this information to the Survey Crew.

Tree planting layout shall be performed by the District Landscape Architect. Mulch shall be placed 4" thick and to the diameter around the tree as shown on District Standard 92.1. The mulch shall be hardwood wood chips placed on weed barrier fabric. This work shall be included in the cost of the tree.

Aggregate Base Course, Type B, is provided in the plan quantities and shall be used only as needed when directed by the Engineer.

Right-of-way markers will be erected with the back face of the marker on the right-of-way line unless the new right-of-way line has been surveyed and pinned, in which instance the right-of-way markers will be erected 300 mm (12 inches) inside the new right-of-way line.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Commonwealth Edison Co. Verizon
NICOR Gas Co.

The applicable portions of Article 105.07 of the Standard Specification shall apply except for the following: The Contractor shall be responsible to locate the vertical depths of the underground utilities which may interfere with construction operations. This work will not be measured or paid for separately, but shall be considered as included in the unit bid price for the item of construction involved.

Per SB 699 (90 day utility relocation law), once right-of-way is clear to award the project, a notice will be sent to the utility companies instructing them to have their facilities relocated within 90 days. Estimated date relocation complete = Letting Date + 135 days.

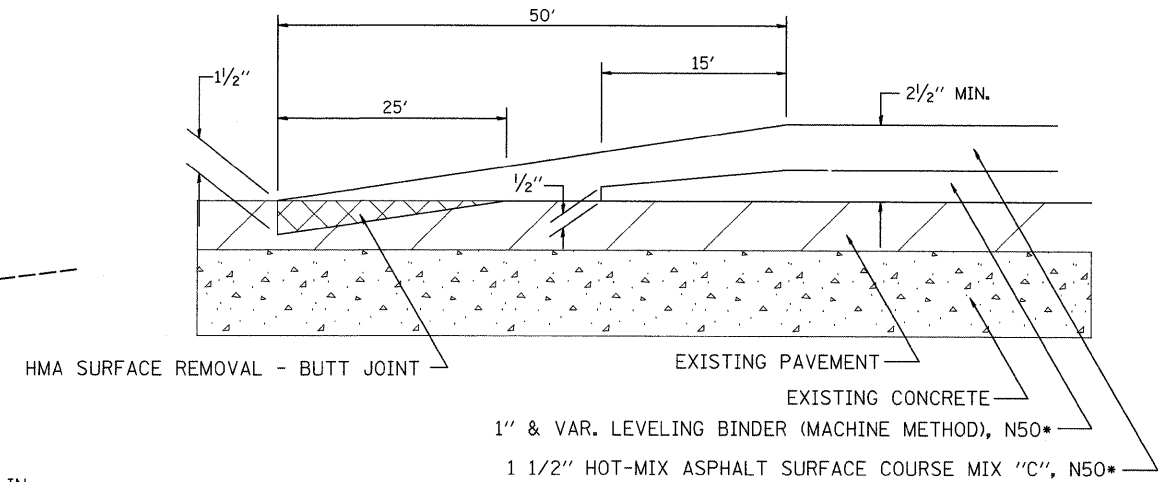
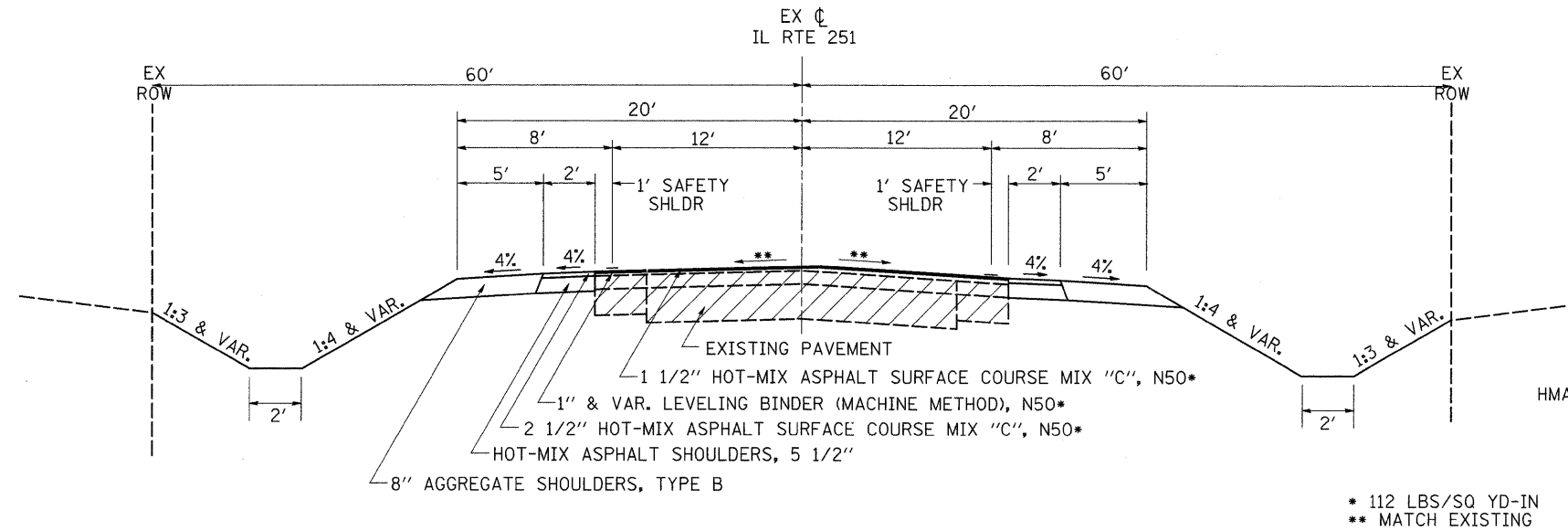
CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

Commitments

1. The property owner, Tim Smith, at Lt. Sta. 446+57 has woven wire fence at Lt. Sta. 448+10 – 449+20 which will be removed under this roadway improvement work. Temporary fence will need to be constructed along the temporary easement. Once the project has been completed the Contractor shall construct woven wire fencing that is similar in size and quality to the existing remaining sections of fence along the R.O.W., and shall be as secure and substantial as the existing fence. This commitment was made by the Land Acquisition Department at IDOT District 2 Office.
2. Mr. Sam Gocken, Jr. stated that there are existing field tiles on the east side of the structure. These shall be located in Phase II and III of the project. This commitment was made by the Project Engineer.

TYPICAL SECTIONS

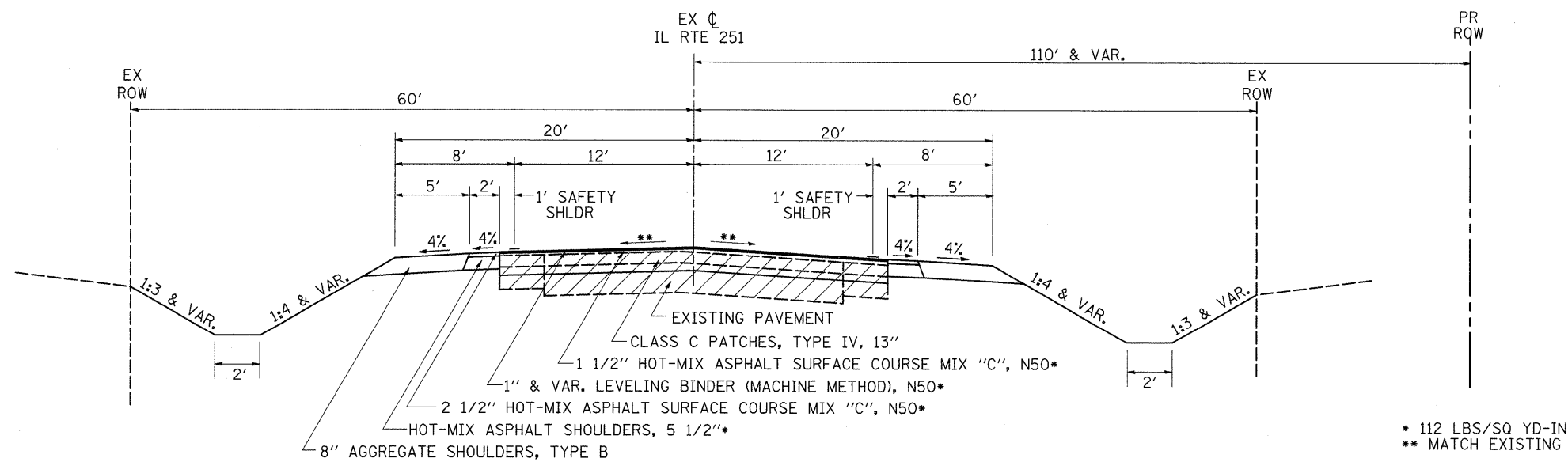
PROPOSED TYPICAL SECTION - IL RTE 251
 STA 447+00 TO STA 448+26
 STA 448+96 TO STA 450+50



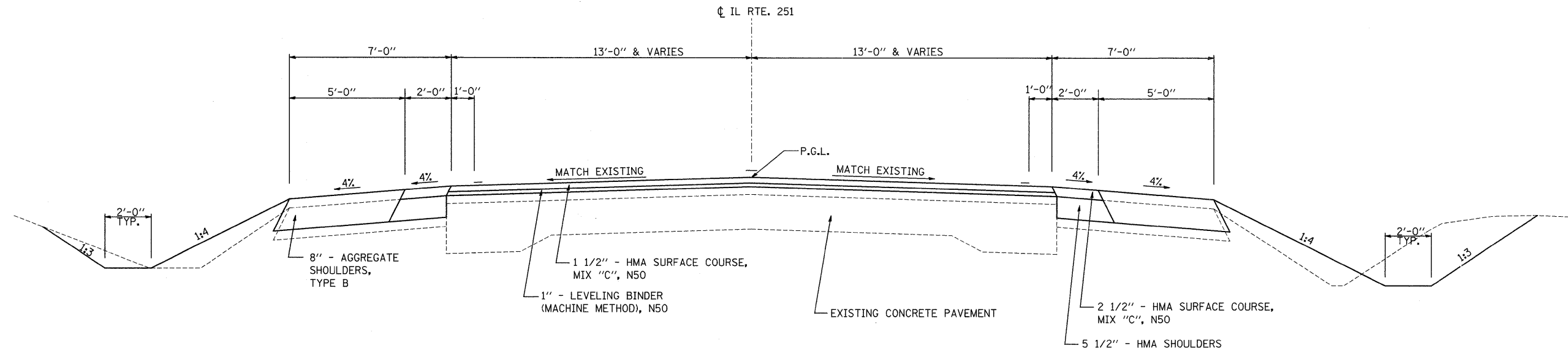
BUTT JOINT DETAIL

STA. 446+50 TO STA. 447+00
 STA. 450+50 TO STA. 451+00

PROPOSED TYPICAL SECTION - IL RTE 251 @ PROPOSED CULVERT
 STA 448+26 TO STA 448+96

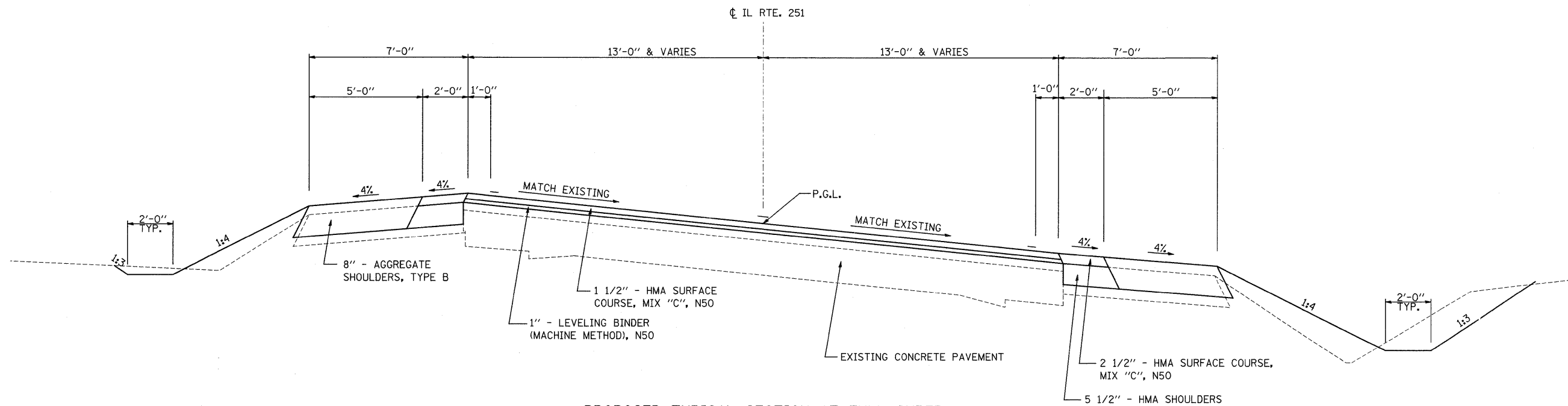


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|---|-----------------------|------------|-----------|---|-------------------------|---------------------|----------|------------------|-----------------|--------------|--|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | TYPICAL SECTIONS | F.A.S RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| c:\pw\work\pwsdot\cushmanbw\dms37201\105typ.dgn | 105typ.dgn | DRAWN - | REVISED - | | | 1042 | 107T-1 | OGLE | 53 | 6 | |
| PLOT SCALE = 50.0000' / IN. | | CHECKED - | REVISED - | | | CONTRACT NO. 64B09 | | | | | |
| PLOT DATE = Mon Dec 01 13:19:04 2008 | | DATE - | REVISED - | | | FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | | | |
| | | | | | SCALE: | SHEET NO. | OF | SHEETS | STA. | TO STA. | |



PROPOSED TYPICAL SECTION AT TANGENT

STA. 640+00.0 TO 641+67.18
 STA. 642+42.51 TO 643+28.0



PROPOSED TYPICAL SECTION AT FULL SUPER

STA. 643+28.0 TO STA. 644+10.0

THE FOLLOWING APPLICATION RATES WERE USED FOR QUANTITY CALCULATIONS.

HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 112 LBS / SQ YD / IN
 LEVELING BINDER (MACHINE METHOD), N50 112 LBS / SQ YD / IN

| | | | |
|--|-----------------------|------------|-----------|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - |
| c:\pwork\pww\DOT\CUSHMANBW\d8123291\064409-aht-typical.dgn | | DRAWN - | REVISED - |
| PLOT SCALE = 50.0000' / IN. | | CHECKED - | REVISED - |
| PLOT DATE = Mon Dec 01 11:30:32 2008 | | DATE - | REVISED - |

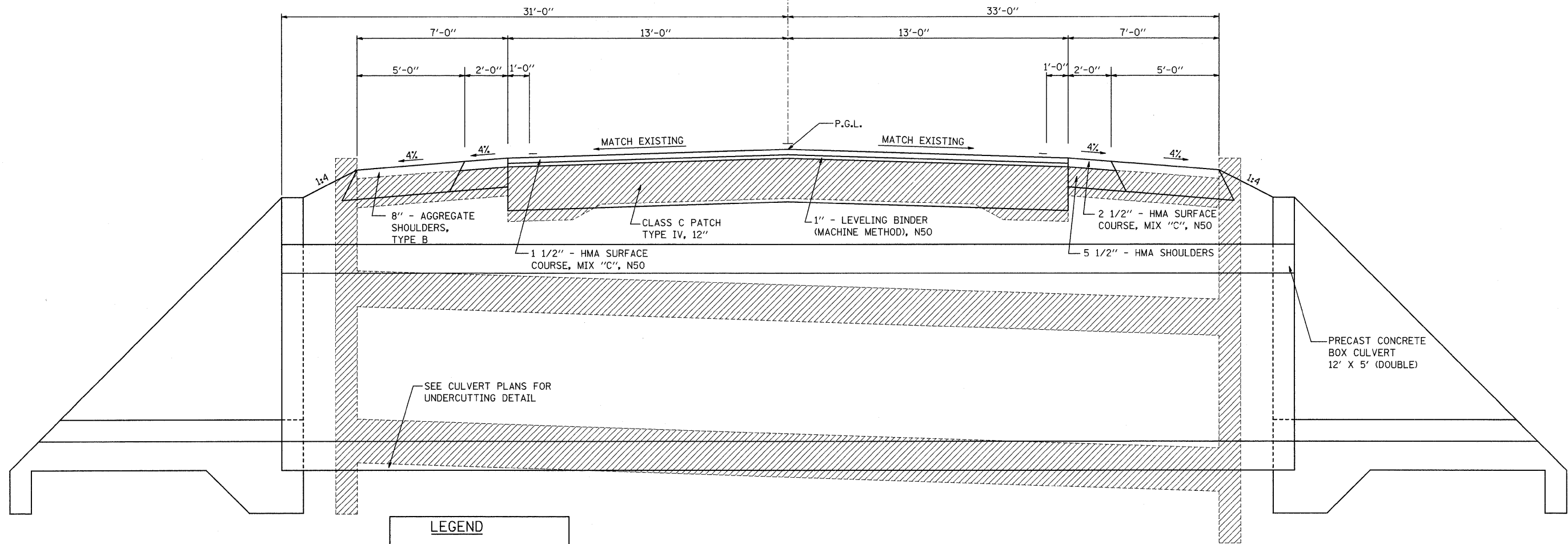
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


PROPOSED TYPICAL SECTIONS
IL RTE 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK

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

| | | | | |
|---|---------|--------|--------------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1042 | 107T-1 | OGLE | 53 | 7 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 64B09 | |

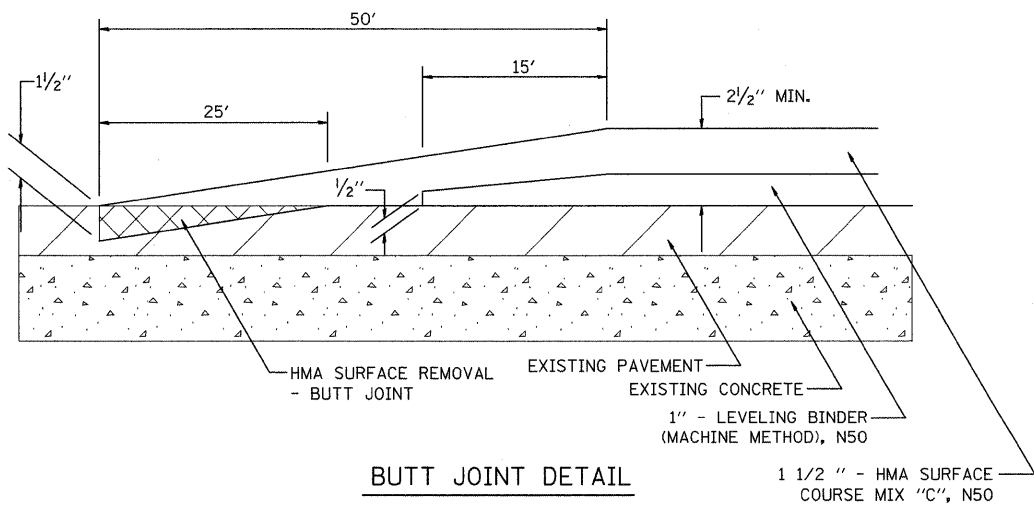
CL IL RTE. 251



| LEGEND | |
|---|--------------------------------------|
|  | EXISTING PAVEMENT & EXISTING CULVERT |

PROPOSED TYPICAL SECTION AT CULVERT

STA. 641+67.18 TO STA. 642+42.51



BUTT JOINT DETAIL

STA. 640+00.0 TO STA. 640+50.0
STA. 643+60.0 TO STA. 644+10.0

NOTES:

1. THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 406.18, ARTICLE 440.03 AND THE SPECIAL PROVISIONS FOR BUTT JOINTS.
2. THE SAW CUT JOINTS SHALL BE PRIMED JUST PRIOR TO THE PLACING OF HOT MIX ASPHALT MATERIAL. THE WORK WILL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF ARTICLE 406.06.
3. THE HMA SURF. REMOVAL - BUTT JOINT PAY ITEM INCLUDES THE SAW CUTS.
4. BUTT JOINT BETWEEN STATIONS 640+00.00 TO 640+50.00. MATCH EXISTING ELEVATIONS AT PROJECT LIMIT.
5. BUTT JOINT BETWEEN STATIONS 643+60.00 TO 644+10.00. MATCH EXISTING ELEVATIONS AT PROJECT LIMIT.

| | | | | | | | | | | | | | |
|--|-----------------------|------------|-----------|---|---|--------|------|----|---|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PROPOSED TYPICAL SECTIONS IL RTE 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK | | | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| c:\pwork\PWIDOT\CUSHMANBW\103291\03291-4B09-sh-t-typical.dgn | | DRAWN - | REVISED - | | 1042 | 107T-1 | OGLE | 53 | 8 | | | | |
| PLOT SCALE = 50.0000' / IN. | | CHECKED - | REVISED - | | SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA. | | | | CONTRACT NO. 64B09 | | | | |
| PLOT DATE = Mon Dec 01 11:30:49 2008 | | DATE - | REVISED - | | | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

SCHEDULE OF QUANTITIES

20100500 TREE REMOVAL, ACRES

| ACRE | LOCATION | | |
|-------------|--------------|----------|------------|
| 0.35 | IL 251 Sta | 447 + 00 | - 449 + 38 |
| 0.35 | TOTAL | | |

20101000 TEMPORARY FENCE

| FOOT | LOCATION | | |
|------------|-----------------|----------|-----------------------------------|
| 232 | IL 251 Lt. Sta. | 448 + 10 | - 449 + 20 (Around Temp Easement) |
| 232 | TOTAL | | |

20200100 EARTH EXCAVATION

| CU YD | LOCATION | | |
|-------------|--------------|----------|------------|
| 346 | IL 251 Sta | 447 + 00 | - 450 + 50 |
| 1634 | Sta | 640 + 00 | - 644 + 10 |
| 1980 | TOTAL | | |

20200200 ROCK EXCAVATION

| CU YD | LOCATION | | |
|-------------|--------------|----------|---|
| 33.4 | IL 251 Sta | 448 + 53 | - 448 + 69 6" at Culvert location - (111' x 16.25' x (6"/12) deep)/27 |
| 33.4 | TOTAL | | |

20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

| CU YD | LOCATION | | |
|--------------|--------------|----------|--------------------|
| 97.2 | IL 251 Sta | 642 + 05 | East End |
| 97.2 | Sta | 642 + 05 | West End |
| 30.0 | Sta | 640 + 00 | - 644 + 10 Jobsite |
| 224.5 | TOTAL | | |

20300100 CHANNEL EXCAVATION

| CU YD | LOCATION | | |
|-----------|--------------|----------|--|
| 50 | IL 251 Sta | 642 + 05 | |
| 50 | TOTAL | | |

21301052 EXPLORATION TRENCH 52" DEPTH

| FOOT | LOCATION | | |
|------------|--------------|----------|--|
| 20 | IL 251 Sta | 447 + 00 | - 450 + 50 (As Directed by the Engineer) |
| 410 | Sta | 640 + 00 | - 644 + 10 (As Directed by the Engineer) |
| 410 | Sta | 640 + 00 | - 644 + 10 (As Directed by the Engineer) |
| 840 | TOTAL | | |

20400800 FURNISHED EXCAVATION

| CU YD | LOCATION | | |
|------------|--------------|----------|------------|
| 120 | IL 251 Sta | 447 + 00 | - 450 + 50 |
| 120 | TOTAL | | |

25000100 SEEDING, CLASS 1

| ACRE | LOCATION | | |
|-------------|--------------|----------|---------------|
| 0.05 | IL 251 Sta | 448 + 75 | - 450 + 50 RT |
| 0.05 | TOTAL | | |

25000210 SEEDING, CLASS 2A

| ACRE | LOCATION | | |
|-------------|--------------|----------|---------------|
| 0.11 | IL 251 Sta | 447 + 00 | - 450 + 50 LT |
| 0.11 | Sta | 447 + 00 | - 450 + 50 RT |
| 0.27 | Sta | 640 + 00 | - 644 + 10 LT |
| 0.27 | Sta | 640 + 00 | - 644 + 10 RT |
| 0.76 | TOTAL | | |

25000310 SEEDING, CLASS 4

| ACRE | LOCATION | | |
|-------------|--------------|----------|---------------|
| 0.04 | IL 251 Sta | 447 + 00 | - 450 + 50 LT |
| 0.06 | Sta | 447 + 00 | - 450 + 50 RT |
| 0.04 | Sta | 640 + 00 | - 641 + 91 LT |
| 0.04 | Sta | 640 + 00 | - 641 + 91 RT |
| 0.02 | Sta | 642 + 19 | - 644 + 10 LT |
| 0.06 | Sta | 642 + 19 | - 644 + 10 RT |
| 0.26 | TOTAL | | |

25000750 MOWING

| ACRE | LOCATION | | |
|-------------|--------------|----------|---------------|
| 0.15 | IL 251 Sta | 447 + 00 | - 450 + 50 LT |
| 0.17 | Sta | 447 + 00 | - 450 + 50 RT |
| 0.27 | Sta | 640 + 00 | - 644 + 10 LT |
| 0.27 | Sta | 640 + 00 | - 644 + 10 RT |
| 0.04 | Sta | 640 + 00 | - 641 + 91 LT |
| 0.04 | Sta | 640 + 00 | - 641 + 91 RT |
| 0.02 | Sta | 642 + 19 | - 644 + 10 LT |
| 0.06 | Sta | 642 + 19 | - 644 + 10 RT |
| 1.02 | TOTAL | | |

25100115 MULCH, METHOD 2

| ACRE | LOCATION | | |
|-------------|--------------|----------|---------------|
| 0.15 | IL 251 Sta | 447 + 00 | - 450 + 50 LT |
| 0.17 | Sta | 447 + 00 | - 450 + 50 RT |
| 0.27 | Sta | 640 + 00 | - 644 + 10 LT |
| 0.27 | Sta | 640 + 00 | - 644 + 10 RT |
| 0.04 | Sta | 640 + 00 | - 641 + 91 LT |
| 0.04 | Sta | 640 + 00 | - 641 + 91 RT |
| 0.02 | Sta | 642 + 19 | - 644 + 10 LT |
| 0.06 | Sta | 642 + 19 | - 644 + 10 RT |
| 1.02 | TOTAL | | |

25100630 EROSION CONTROL BLANKET

| SQ YD | LOCATION | | |
|---------------|--------------|----------|---------------|
| 242.7 | IL 251 Sta | 447 + 00 | - 448 + 54 LT |
| 287.8 | Sta | 448 + 67 | - 450 + 50 LT |
| 130.7 | Sta | 449 + 66 | - 450 + 50 RT |
| 777.0 | Sta | 640 + 00 | - 641 + 91 LT |
| 838.0 | Sta | 640 + 00 | - 641 + 91 RT |
| 31.0 | Sta | 641 + 91 | - 642 + 19 LT |
| 37.0 | Sta | 641 + 91 | - 642 + 19 RT |
| 774.0 | Sta | 642 + 19 | - 644 + 10 LT |
| 904.0 | Sta | 642 + 19 | - 644 + 10 RT |
| 4022.1 | TOTAL | | |

25100900 TURF REINFORCEMENT MAT

| SQ YD | LOCATION | | |
|-------------|--------------|----------|---------------------------|
| 96.4 | IL 251 Sta | 448 + 67 | - 449 + 27 RT (62' X 14') |
| 96.4 | TOTAL | | |

SCHEDULE OF QUANTITIES

28000250 TEMPORARY EROSION CONTROL SEEDING

| POUND | LOCATION | | | | |
|---------------|--------------|----------|---|----------|---------------------|
| IL 251 | | | | | |
| 44.9 | Sta | 447 + 00 | - | 450 + 50 | LT (3 applications) |
| 50.9 | Sta | 447 + 00 | - | 450 + 50 | RT (3 applications) |
| 200.0 | Sta | 640 + 00 | - | 644 + 10 | LT (4 applications) |
| 200.0 | Sta | 640 + 00 | - | 644 + 10 | RT (4 applications) |
| 495.8 | TOTAL | | | | |

28000300 TEMPORARY DITCH CHECKS

| EACH | LOCATION | | | | |
|---------------|--------------|----------|--|--|----|
| IL 251 | | | | | |
| 1 | Sta | 447 + 33 | | | LT |
| 1 | Sta | 447 + 66 | | | LT |
| 1 | Sta | 447 + 99 | | | LT |
| 1 | Sta | 448 + 32 | | | LT |
| 1 | Sta | 448 + 75 | | | LT |
| 1 | Sta | 449 + 00 | | | LT |
| 1 | Sta | 449 + 25 | | | LT |
| 1 | Sta | 449 + 50 | | | LT |
| 1 | Sta | 449 + 75 | | | LT |
| 1 | Sta | 450 + 00 | | | LT |
| 1 | Sta | 450 + 25 | | | LT |
| 1 | Sta | 448 + 80 | | | RT |
| 1 | Sta | 448 + 93 | | | RT |
| 1 | Sta | 449 + 06 | | | RT |
| 1 | Sta | 449 + 19 | | | RT |
| 1 | Sta | 449 + 75 | | | RT |
| 1 | Sta | 450 + 00 | | | RT |
| 1 | Sta | 450 + 25 | | | RT |
| 1 | Sta | 640 + 59 | | | LT |
| 1 | Sta | 641 + 10 | | | LT |
| 1 | Sta | 641 + 59 | | | LT |
| 1 | Sta | 642 + 82 | | | LT |
| 1 | Sta | 643 + 26 | | | LT |
| 1 | Sta | 643 + 89 | | | LT |
| 1 | Sta | 640 + 40 | | | RT |
| 1 | Sta | 640 + 76 | | | RT |
| 1 | Sta | 641 + 15 | | | RT |
| 1 | Sta | 642 + 84 | | | RT |
| 1 | Sta | 643 + 34 | | | RT |
| 1 | Sta | 643 + 79 | | | RT |
| 30 | TOTAL | | | | |

28000400 PERIMETER EROSION BARRIER

| FOOT | LOCATION | | | | |
|---------------|--------------|----------|---|----------|----|
| IL 251 | | | | | |
| 259 | Sta | 447 + 00 | - | 449 + 38 | RT |
| 259 | TOTAL | | | | |

28000500 INLET AND PIPE PROTECTION

| EACH | LOCATION | | | | |
|---------------|--------------|----------|--|-------|----|
| IL 251 | | | | | |
| 1 | Sta | 448 + 61 | | 52.3' | LT |
| 1 | Sta | 449 + 67 | | 30.2' | RT |
| 1 | Sta | 642 + 05 | | 62.6' | LT |
| 3 | TOTAL | | | | |

28100107 STONE RIPRAP, CLASS A4

| SQ YD | LOCATION | | | | |
|---------------|--------------|----------|----|---------------|--|
| IL 251 | | | | | |
| 43.6 | Sta | 448 + 61 | RT | (14' x 28') | |
| 30.7 | Sta | 642 + 05 | LT | (10' x 27.6') | |
| 30.7 | Sta | 642 + 05 | RT | (10' x 27.6') | |
| 104.9 | TOTAL | | | | |

28200200 FILTER FABRIC

| SQ YD | LOCATION | | | | |
|---------------|--------------|----------|----|---------------|--|
| IL 251 | | | | | |
| 43.6 | Sta | 448 + 61 | RT | (14' x 28') | |
| 30.7 | Sta | 642 + 05 | LT | (10' x 27.6') | |
| 30.7 | Sta | 642 + 05 | RT | (10' x 27.6') | |
| 104.9 | TOTAL | | | | |

35101400 AGGREGATE BASE COURSE, TYPE B

| TON | LOCATION | | | | |
|---------------|--------------|----------|---|----------|--------------------|
| IL 251 | | | | | |
| 49.3 | Sta | 449 + 50 | | | (PE) Entrance RT |
| 18.2 | Sta | 449 + 31 | - | 449 + 97 | Mailbox turnout LT |
| 100.0 | Sta | 640 + 00 | - | 644 + 10 | Jobsite |
| 167.5 | TOTAL | | | | |

40600625 LEVELING BINDER (MACHINE METHOD), N50

| TON | LOCATION | | | | |
|---------------|--------------|----------|---|----------|----------|
| IL 251 | | | | | |
| 29.6 | Sta | 446 + 85 | - | 448 + 26 | Mainline |
| 14.7 | Sta | 448 + 26 | - | 448 + 96 | Patch |
| 35.5 | Sta | 448 + 96 | - | 450 + 65 | Mainline |
| 27.8 | Sta | 640 + 35 | - | 641 + 67 | Mainline |
| 15.8 | Sta | 641 + 67 | - | 642 + 43 | Patch |
| 27.8 | Sta | 642 + 43 | - | 643 + 75 | Mainline |
| 151.2 | TOTAL | | | | |

40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

| SQ YD | LOCATION | | | | |
|---------------|--------------|----------|---|----------|--|
| IL 251 | | | | | |
| 75 | Sta | 446 + 50 | - | 446 + 75 | |
| 75 | Sta | 450 + 75 | - | 451 + 00 | |
| 75 | Sta | 640 + 00 | - | 640 + 50 | |
| 75 | Sta | 643 + 60 | - | 644 + 10 | |
| 300 | TOTAL | | | | |

40603310 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

| TON | LOCATION | | | | |
|---------------|--------------|----------|---|----------|---------------|
| IL 251 | | | | | |
| 44.4 | Sta | 446 + 50 | - | 448 + 26 | Mainline |
| 17.6 | Sta | 448 + 26 | - | 448 + 96 | Patch |
| 51.4 | Sta | 448 + 96 | - | 451 + 00 | Mainline |
| 10.9 | Sta | 447 + 00 | - | 450 + 50 | Shoulder - LT |
| 10.9 | Sta | 447 + 00 | - | 450 + 50 | Shoulder - RT |
| 42.1 | Sta | 640 + 00 | - | 641 + 67 | Mainline |
| 19.0 | Sta | 641 + 67 | - | 642 + 43 | Patch |
| 42.2 | Sta | 642 + 43 | - | 644 + 10 | Mainline |
| 9.6 | Sta | 640 + 50 | - | 643 + 60 | Shoulder - LT |
| 9.6 | Sta | 640 + 50 | - | 643 + 60 | Shoulder - RT |
| 257.8 | TOTAL | | | | |

40800050 INCIDENTAL HOT-MIX ASPHALT SURFACING

| TON | LOCATION | | | | |
|---------------|--------------|----------|---|----------|--------------------|
| IL 251 | | | | | |
| 13.3 | Sta | 449 + 50 | | | (PE) Entrance RT |
| 13.3 | Sta | 449 + 31 | - | 449 + 97 | Mailbox turnout LT |
| 26.7 | TOTAL | | | | |

44201383 CLASS C PATCHES, TYPE IV, 12 INCH

| SQ YD | LOCATION | | | | |
|---------------|--------------|----------|---|----------|--|
| IL 251 | | | | | |
| 226.0 | Sta | 641 + 67 | - | 642 + 43 | |
| 226.0 | TOTAL | | | | |

44201396 CLASS C PATCHES, TYPE IV, 13 INCH

| SQ YD | LOCATION | | | | |
|---------------|--------------|----------|---|----------|--|
| IL 251 | | | | | |
| 210.0 | Sta | 448 + 26 | - | 448 + 96 | |
| 210.0 | TOTAL | | | | |

SCHEDULE OF QUANTITIES

48101200 AGGREGATE SHOULDERS, TYPE B

| TON | LOCATION | | | | |
|---------------|--------------|----------|---|----------|--|
| IL 251 | | | | | |
| 112.2 | Sta | 447 + 00 | - | 450 + 50 | Shoulder - LT |
| 72.9 | Sta | 447 + 00 | - | 449 + 27 | Shoulder - RT |
| 27.9 | Sta | 449 + 63 | - | 450 + 50 | Shoulder - RT |
| 16.0 | Sta | 446 + 50 | - | 447 + 00 | Transition from Existing Shoulder to Proposed - LT |
| 16.0 | Sta | 446 + 50 | - | 447 + 00 | Transition from Existing Shoulder to Proposed - RT |
| 16.0 | Sta | 450 + 50 | - | 451 + 00 | Transition from Existing Shoulder to Proposed - LT |
| 16.0 | Sta | 450 + 50 | - | 451 + 00 | Transition from Existing Shoulder to Proposed - RT |
| 99.4 | Sta | 640 + 50 | - | 643 + 60 | Shoulder - LT |
| 99.4 | Sta | 640 + 50 | - | 643 + 60 | Shoulder - RT |
| 16.0 | Sta | 640 + 00 | - | 640 + 50 | Transition from Existing Shoulder to Proposed - LT |
| 16.0 | Sta | 640 + 00 | - | 640 + 50 | Transition from Existing Shoulder to Proposed - RT |
| 16.0 | Sta | 643 + 60 | - | 644 + 10 | Transition from Existing Shoulder to Proposed - LT |
| 16.0 | Sta | 643 + 60 | - | 644 + 10 | Transition from Existing Shoulder to Proposed - RT |
| 540.1 | TOTAL | | | | |

48203019 HOT-MIX ASPHALT SHOULDERS, 5 1/2"

| SQ YD | LOCATION | | | | |
|---------------|--------------|----------|---|----------|---------------|
| IL 251 | | | | | |
| 77.8 | Sta | 447 + 00 | - | 450 + 50 | Shoulder - LT |
| 77.8 | Sta | 447 + 00 | - | 450 + 50 | Shoulder - RT |
| 88.9 | Sta | 640 + 50 | - | 643 + 60 | Shoulder - LT |
| 88.9 | Sta | 640 + 50 | - | 643 + 60 | Shoulder - RT |
| 293.3 | TOTAL | | | | |

50100300 REMOVAL OF EXISTING STRUCTURES, NO.1

| EACH | LOCATION | | | | |
|---------------|--------------|----------|--|--|--|
| IL 251 | | | | | |
| 1 | Sta | 642 + 05 | | | AR Concrete Box Culvert (12' x 5') - Double Cell |
| 1 | TOTAL | | | | |

50100400 REMOVAL OF EXISTING STRUCTURES, NO.2

| EACH | LOCATION | | | | |
|---------------|--------------|----------|--|--|---|
| IL 251 | | | | | |
| 1 | Sta | 448 + 61 | | | AR Concrete Box Culvert (5' x 4') - Single Cell |
| 1 | TOTAL | | | | |

50104400 CONCRETE HEADWALL REMOVAL

| EACH | LOCATION | | | | |
|---------------|--------------|----------|--|--|---------------|
| IL 251 | | | | | |
| 1 | Rt. Sta | 449 + 35 | | | (PE) Entrance |
| 1 | Rt. Sta | 449 + 56 | | | (PE) Entrance |
| 2 | TOTAL | | | | |

51500100 NAME PLATES

| EACH | LOCATION | | | | |
|---------------|--------------|----------|--|--|--|
| IL 251 | | | | | |
| 1 | Sta | 448 + 61 | | | |
| 1 | Sta | 642 + 05 | | | |
| 2 | TOTAL | | | | |

54001001 BOX CULVERT END SECTION, CULVERT NO.1

| EACH | LOCATION | | | | |
|---------------|--------------|----------|--|--|----|
| IL 251 | | | | | |
| 2 | Sta | 448 + 61 | | | Rt |
| 2 | TOTAL | | | | |

54010504 PRECAST CONCRETE BOX CULVERT 5' X 4'

| FOOT | LOCATION | | | | |
|---------------|--------------|----------|--|--|-------------------------|
| IL 251 | | | | | |
| 144 | Sta | 448 + 61 | | | (Double cell - 2 @ 72') |
| 144 | TOTAL | | | | |

542D0220 PIPE CULVERTS, CLASS D, TYPE 1 15"

| FOOT | LOCATION | | | | |
|---------------|--------------|----------|--|--|------------------|
| IL 251 | | | | | |
| 42 | Sta | 449 + 50 | | | (PE) Entrance RT |
| 42 | TOTAL | | | | |

54213450 END SECTIONS 15"

| EACH | LOCATION | | | | |
|---------------|--------------|----------|--|--|----|
| IL 251 | | | | | |
| 1 | Sta | 449 + 26 | | | RT |
| 1 | Sta | 449 + 67 | | | RT |
| 2 | TOTAL | | | | |

61133100 FIELD TILE JUNCTION VAULTS, 2' DIA.

| EACH | LOCATION | | | | |
|---------------|--------------|----------|---|----------|-------------------------------|
| IL 251 | | | | | |
| 2 | Sta | 447 + 00 | - | 450 + 50 | (As Directed by the Engineer) |
| 1 | Sta | 642 + 00 | @ | 67.5' LT | 8" DIA. CMP |
| 1 | Sta | 642 + 24 | @ | 67.5' LT | 12" DIA. CMP |
| 1 | Sta | 642 + 30 | @ | 67.5' LT | 8" DIA. PVC |
| 1 | Sta | 642 + 41 | @ | 67.5' LT | 12" DIA. CMP |
| 6 | TOTAL | | | | |

61140000 STORM SEWERS (SPECIAL) 8"

| FOOT | LOCATION | | | | |
|---------------|--------------|----------|---|----------|-------------------------------|
| IL 251 | | | | | |
| 50 | Sta | 447 + 00 | - | 450 + 50 | (As Directed by the Engineer) |
| 50 | TOTAL | | | | |

61140100 STORM SEWERS (SPECIAL) 10"

| FOOT | LOCATION | | | | |
|---------------|--------------|----------|---|----------|-------------------------------|
| IL 251 | | | | | |
| 50 | Sta | 447 + 00 | - | 450 + 50 | (As Directed by the Engineer) |
| 6 | Sta | 642 + 0 | @ | 67.5' LT | Existing 8" DIA. CMP |
| 8.7 | Sta | 642 + 30 | @ | 67.5' LT | Existing 8" DIA. PVC |
| 64.7 | TOTAL | | | | |

61140200 STORM SEWERS (SPECIAL) 12"

| FOOT | LOCATION | | | | |
|---------------|--------------|----------|---|----------|-------------------------------|
| IL 251 | | | | | |
| 50 | Sta | 447 + 00 | - | 450 + 50 | (As Directed by the Engineer) |
| 50 | TOTAL | | | | |

61140300 STORM SEWERS (SPECIAL) 14"

| FOOT | LOCATION | | | | |
|---------------|--------------|----------|---|----------|--------------|
| IL 251 | | | | | |
| 8.1 | Sta | 642 + 24 | @ | 67.5' LT | 12" DIA. CMP |
| 9.9 | Sta | 642 + 41 | @ | 67.5' LT | 12" DIA. CMP |
| 18 | TOTAL | | | | |

63200310 GUARDRAIL REMOVAL

| FOOT | LOCATION | | | | |
|---------------|--------------|----------|---|----------|--|
| IL 251 | | | | | |
| 303.1 | Sta | 640 + 27 | - | 643 + 29 | |
| 303.7 | Sta | 640 + 80 | - | 643 + 84 | |
| 606.8 | TOTAL | | | | |

SCHEDULE OF QUANTITIES

63500105 DELINEATORS

| EACH | LOCATION |
|----------|-----------------|
| IL 251 | |
| 1 | Sta 448 + 61 LT |
| 1 | Sta 448 + 61 RT |
| 1 | Sta 641 + 70 RT |
| 1 | Sta 642 + 40 LT |
| 4 | TOTAL |

66500105 WOVEN WIRE FENCE, 4'

| FOOT | LOCATION |
|------------|-------------------------|
| IL 251 | |
| 125 | Sta 448 + 10 - 449 + 20 |
| 125 | TOTAL |

66600105 FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

| EACH | LOCATION |
|-----------|----------------------|
| IL 251 | |
| 1 | Sta 447 + 75 60' RT |
| 1 | Sta 448 + 25 110' RT |
| 1 | Sta 449 + 00 110' RT |
| 1 | Sta 449 + 25 60' RT |
| 1 | Sta 641 + 00 60' LT |
| 1 | Sta 641 + 50 70' LT |
| 1 | Sta 642 + 50 70' LT |
| 1 | Sta 643 + 00 60' LT |
| 1 | Sta 641 + 00 60' RT |
| 1 | Sta 641 + 50 80' RT |
| 1 | Sta 643 + 00 80' RT |
| 1 | Sta 643 + 50 60' RT |
| 12 | TOTAL |

66700305 PERMANENT SURVEY MARKER, TYPE II

| EACH | LOCATION |
|----------|---|
| IL 251 | |
| 1 | Sta 447 + 00 - 450 + 50 (As Directed by the Engineer) |
| 1 | Sta 640 + 00 - 644 + 10 (As Directed by the Engineer) |
| 2 | TOTAL |

78001110 PAINT PAVEMENT MARKING - LINE 4"

| FOOT | LOCATION |
|-------------|--|
| IL 251 | |
| 900 | Sta 446 + 50 - 451 + 00 LT - White EOP (2 applications) |
| 225 | Sta 446 + 50 - 451 + 00 CL - Yellow Skip Dash (2 applications) |
| 900 | Sta 446 + 50 - 451 + 00 RT - White EOP (2 applications) |
| 820 | Sta 640 + 00 - 644 + 10 LT - White EOP (2 applications) |
| 205 | Sta 640 + 00 - 644 + 10 CL - Yellow Skip Dash (2 applications) |
| 820 | Sta 640 + 00 - 644 + 10 RT - White EOP (2 applications) |
| 3870 | TOTAL |

78100100 RAISED REFLECTIVE PAVEMENT MARKER

| EACH | LOCATION |
|-----------|--|
| IL 251 | |
| 6 | Sta 446 + 50 - 451 + 00 CL (80' CENTERS) |
| 6 | Sta 640 + 00 - 644 + 10 CL (80' CENTERS) |
| 12 | TOTAL |

78300200 RAISED REFLECTIVE MARKER REMOVAL

| EACH | LOCATION |
|-----------|--|
| IL 251 | |
| 6 | Sta 446 + 50 - 451 + 00 CL (80' CENTERS) |
| 6 | Sta 640 + 00 - 644 + 10 CL (80' CENTERS) |
| 12 | TOTAL |

Z0005400 BREAKER-RUN CRUSHED STONE

| TON | LOCATION |
|------------|--|
| IL 251 | |
| 120 | Sta 448 + 61 (111' x 16.25' x 1.0') / 27 x 1.8 |
| 131 | Sta 642 + 05 (40.7' x 32.25' x 1.5') / 27 x 1.8 EAST END |
| 131 | Sta 642 + 05 (40.7' x 32.25' x 1.5') / 27 x 1.8 WEST END |
| 383 | TOTAL |

A2006714 TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED

| EACH | LOCATION |
|-----------|--|
| IL 251 | |
| 39 | Sta 447 + 00 - 450 + 50 To Be Located by Landscape Architect |
| 39 | TOTAL |

XX005381 SLOPED HEADWALL, TYPE 1

| EACH | LOCATION |
|----------|-------------------------|
| IL 251 | |
| 1 | Sta 642 + 00 @ 61.5' LT |
| 1 | Sta 642 + 24 @ 59.5' LT |
| 1 | Sta 642 + 29 @ 58.9' LT |
| 1 | Sta 642 + 40 @ 57.7' LT |
| 4 | TOTAL |

X0323660 DROP BOX, NO. 1

| EACH | LOCATION |
|----------|-----------------|
| IL 251 | |
| 1 | Sta 448 + 61 Lt |
| 1 | TOTAL |

HORIZONTAL & VERTICAL CONTROL

Chain IL251 contains:
20 200 CUR 210 CUR 220 A071202

Beginning chain IL251 description
Feature: PLAT

Point 20 N 1,938,207.6345 E 2,596,044.0299 Sta 344+73.6289

Course from 20 to 200 358° 44' 08.1012" Dist 16,374.7186'

Point 200 N 1,954,578.3660 E 2,595,682.6982 Sta 508+48.3475

Course from 200 to PC 210 358° 41' 28.6409" Dist 6,405.5603'

Curve Data

Curve 210
P.I. Station 583+09.6531 N 1,962,037.7253 E 2,595,512.2870
Delta = 49° 24' 02.4383" (LT)
Degree = 2° 29' 46.3234"
Tangent = 1,055.7453'
Length = 1,979.0345'
Radius = 2,295.3192'
External = 231.1583'
Long Chord = 1,918.3013'
Mid. Ord. = 210.0086'
P.C. Station 572+53.9078 N 1,960,982.2554 E 2,595,536.3995
P.T. Station 592+32.9423 N 1,962,706.2803 E 2,594,695.1993
C.C. N 1,960,929.8318 E 2,593,241.6791

Course from PT 210 to PC 220 309° 17' 26.2026" Dist 1,366.2346'

Curve Data

Curve 220
P.I. Station 616+55.5707 N 1,964,240.4196 E 2,592,820.2206
Delta = 49° 24' 06.4386" (RT)
Degree = 2° 29' 41.0365"
Tangent = 1,056.3938'
Length = 1,980.2440'
Radius = 2,296.6704'
External = 231.3056'
Long Chord = 1,919.4710'
Mid. Ord. = 210.1415'
P.C. Station 605+99.1769 N 1,963,571.4539 E 2,593,637.8102
P.T. Station 625+79.4209 N 1,965,296.5383 E 2,592,796.1138
C.C. N 1,965,348.9482 E 2,595,092.1861

Course from PT 220 to A071202 358° 41' 32.6412" Dist 1,811.0008'

Point A071202 N 1,967,107.0675 E 2,592,754.7868 Sta 643+90.4217

Ending chain IL251 description

| CURVE POINT NUMBERS | | | | | |
|---------------------|-------|-----|-----|-----|-----|
| CHAIN | CURVE | PI | CC | PC | PT |
| IL251 | 210 | 210 | 211 | 212 | 213 |
| IL251 | 220 | 220 | 221 | 222 | 223 |

| REFERENCE TIES | | | | |
|----------------|-------|-------------|-------------|-------------|
| POINT | CHAIN | STATION | OFFSET | DESCRIPTION |
| 500 | IL251 | 446+92.9882 | 60.6098' LT | FENCE LEFT |
| 501 | IL251 | 446+41.0187 | 57.5358' LT | POWER POLE |
| 502 | IL251 | 446+40.2419 | 22.3444' LT | MAILBOX |
| 503 | IL251 | 449+34.3070 | 23.142' RT | FENCE POST |
| 504 | IL251 | 448+70.4781 | 24.0404' LT | FENCE POST |
| 505 | IL251 | 448+49.2531 | 23.8309' RT | FENCE POST |
| 506 | IL251 | 453+51.7746 | 60.4297' LT | FENCE LEFT |
| 507 | IL251 | 453+14.5762 | 22.1982' LT | SIGN |
| 508 | IL251 | 453+93.7745 | 60.3599' LT | FENCE LEFT |

| BENCH MARKS | | | | | | | |
|-------------|--------------|--------------|-----------|-------|-------------|--------------|---|
| POINT | NORTH | EAST | ELEVATION | CHAIN | STATION | OFFSET | DESCRIPTION |
| 434 | 1946968.6330 | 2597194.3980 | 862.5610 | IL251 | 432+07.1096 | 1343.412' RT | NGS MONUMENT, PERM. SURVEY MARKER |
| 65722931 | 1946826.1150 | 2596044.1610 | 887.7370 | IL251 | 430+90.0079 | 190.3102' RT | D-2 NETWORK MONUMENT, PERM. SURVEY MARKER |
| 10 | 1948606.6780 | 2595835.8700 | 866.4690 | IL251 | 448+74.7336 | 21.3606' RT | GPS CONTROL POINT, PIN |
| 11 | 1948420.0790 | 2595762.1500 | 870.0940 | IL251 | 446+89.8068 | 56.459' LT | GPS CONTROL POINT, PIN |
| 12 | 1949082.0500 | 2595752.6510 | 876.9820 | IL251 | 453+51.8262 | 51.3483' LT | GPS CONTROL POINT, PIN |

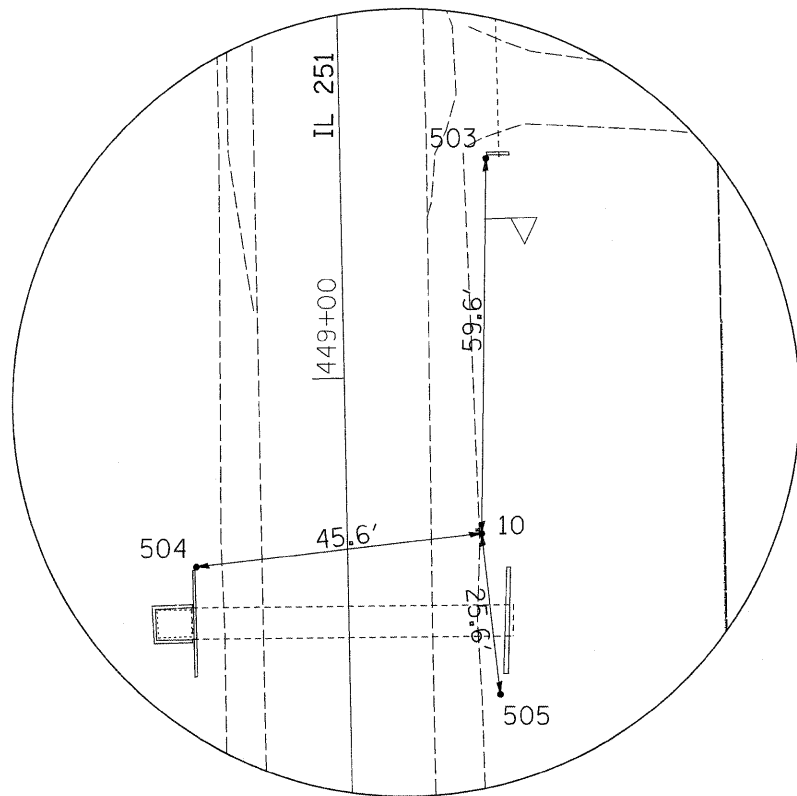
65722931
OGL 64 3A
EL = 887.737
D-2 NETWORK MONUMENT

434
WHITE AZ
EL = 862.561
N.G.S. MONUMENT

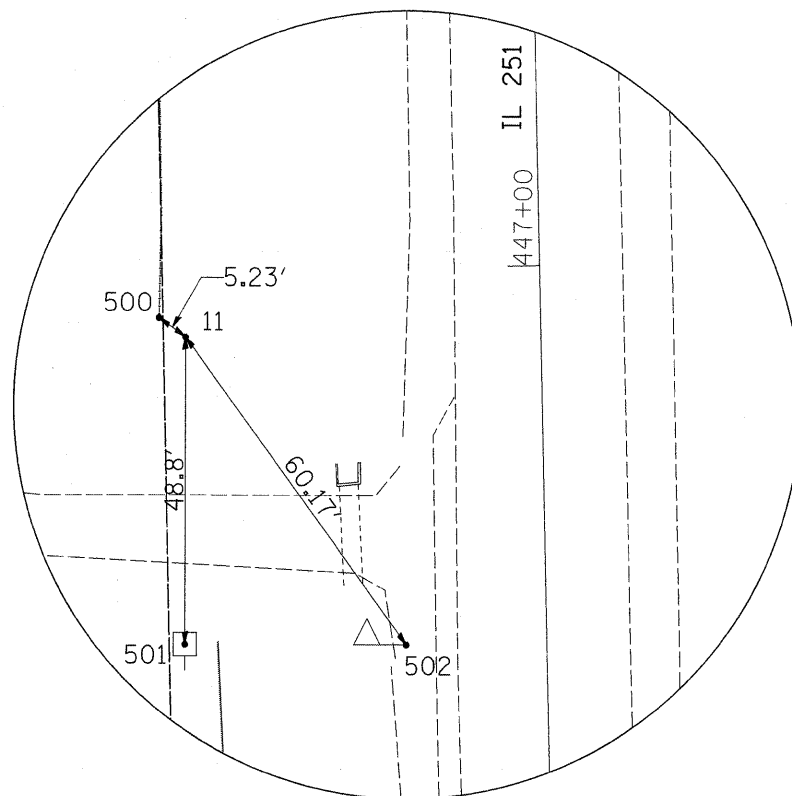
HORIZONTAL & VERTICAL CONTROL



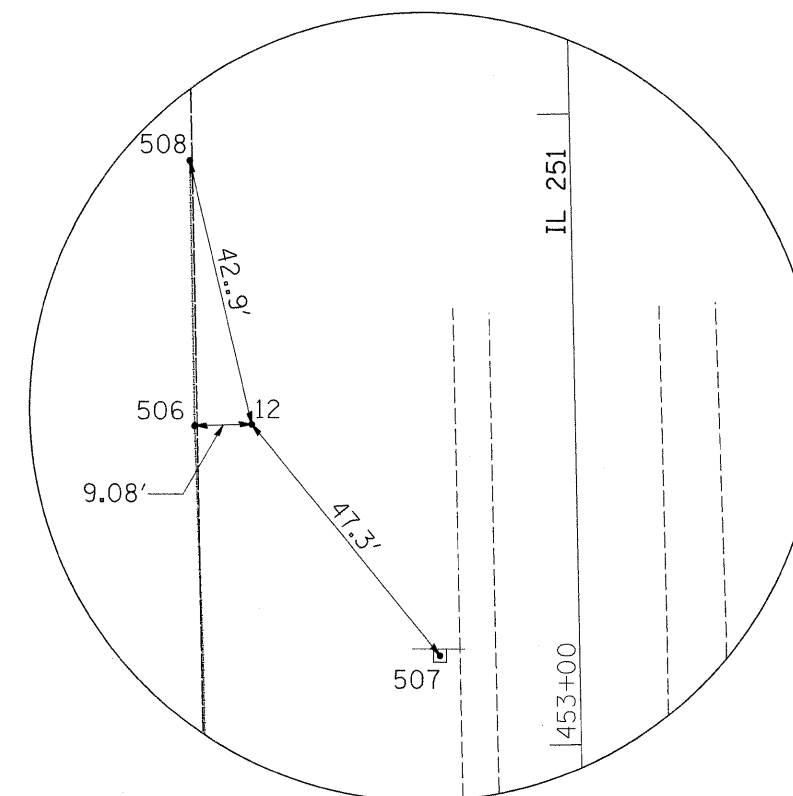
| HORIZONTAL CONTROL POINTS | | | | | | | |
|---------------------------|--------------|--------------|-----------|-------|-------------|-------------|------------------------|
| POINT | NORTH | EAST | ELEVATION | CHAIN | STATION | OFFSET | DESCRIPTION |
| 10 | 1948606.6780 | 2595835.8700 | 866.4690 | IL251 | 448+74.7336 | 21.3606' RT | GPS CONTROL POINT, PIN |
| 11 | 1948420.0790 | 2595762.1500 | 870.0940 | IL251 | 446+89.8068 | 56.459' LT | GPS CONTROL POINT, PIN |
| 12 | 1949082.0500 | 2595752.6510 | 876.9820 | IL251 | 453+51.8262 | 51.3483' LT | GPS CONTROL POINT, PIN |



HORIZONTAL CONTROL
POINT No. 10

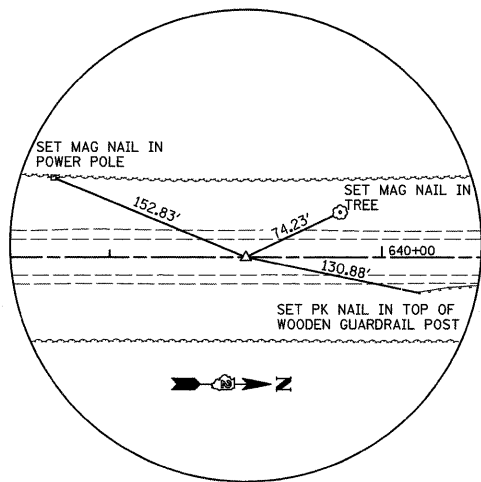


HORIZONTAL CONTROL
POINT No. 11

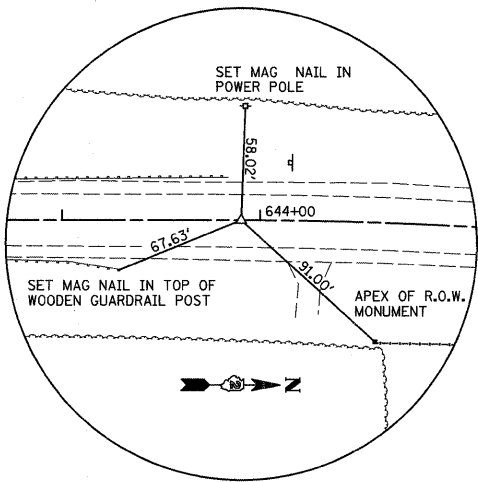


HORIZONTAL CONTROL
POINT No. 12

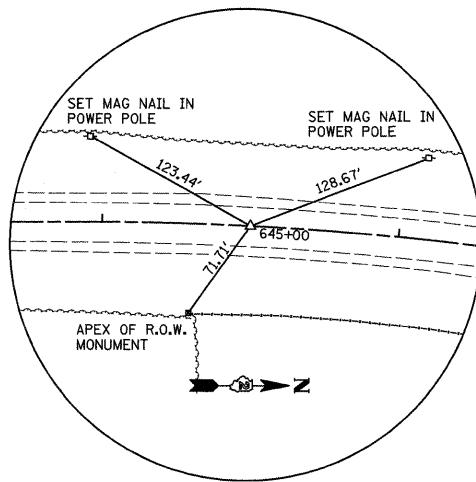
HORIZONTAL & VERTICAL CONTROL



CENTERLINE CONTROL NO.100
POT STA 639+00



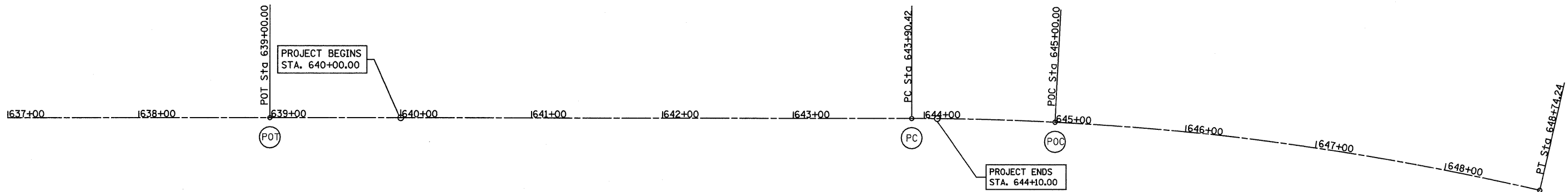
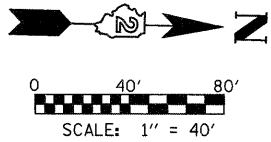
CENTERLINE CONTROL NO.202
PC STA 643+90.42



CENTERLINE CONTROL NO.104
POC STA 645+00

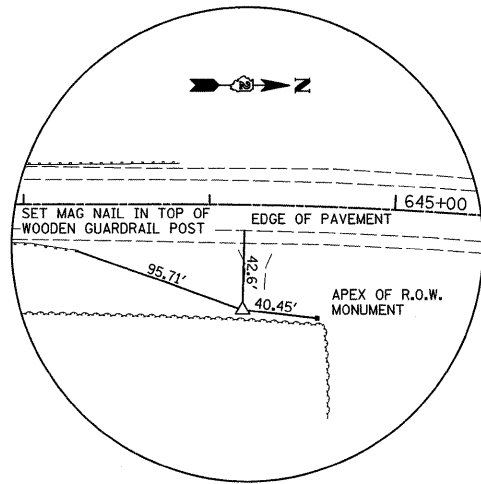
| CENTERLINE CONTROL POINTS | | | | | | |
|---------------------------|-------|------------|------------|-----------|--------|-------------|
| POINT NO. | POINT | NORTHING | EASTING | STATION | OFFSET | DESCRIPTION |
| 100 | POT | 1966616.77 | 2592765.98 | 639+00.00 | 0.00 | MAG SURV PT |
| 202 | PC | 1967107.07 | 2592754.79 | 643+90.42 | 0.00 | PK NAIL |
| 104 | POC | 1967216.63 | 2592755.08 | 645+00.00 | 0.00 | PK NAIL |

| BENCH MARKS | | | |
|-------------|---------|--------|-----------------------|
| ELEVATION | STATION | OFFSET | DESCRIPTION |
| 802.55 | 644+60 | 60' RT | APEX OF R.O.W. MARKER |

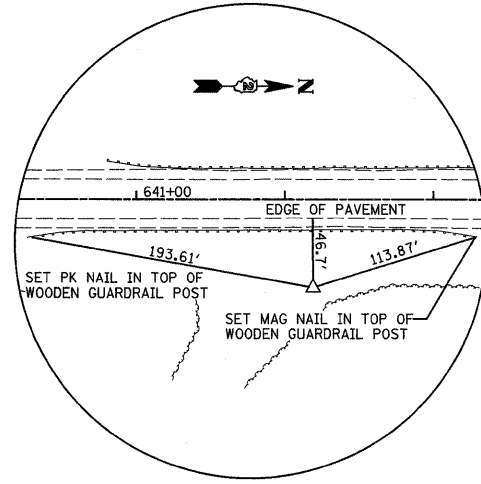


EXIST. CURVE 200
 PI STA. = 646+33.36
 Δ = 12° 54' 20" (RT)
 D = 2° 40' 03"
 R = 2,148.00'
 T = 242.94'
 L = 483.82'
 E = 13.69'
 P.C. STA. = 643+90.42
 P.T. STA. = 648+74.24

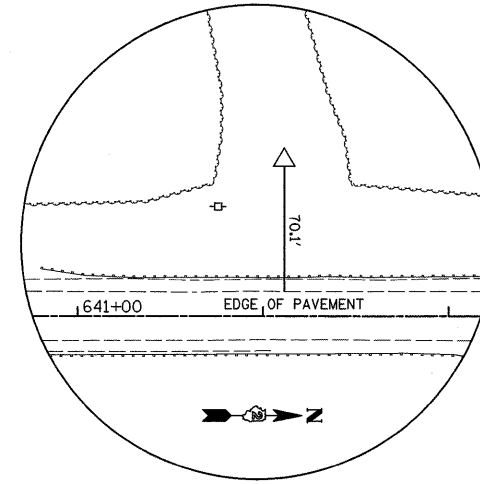
HORIZONTAL & VERTICAL CONTROL



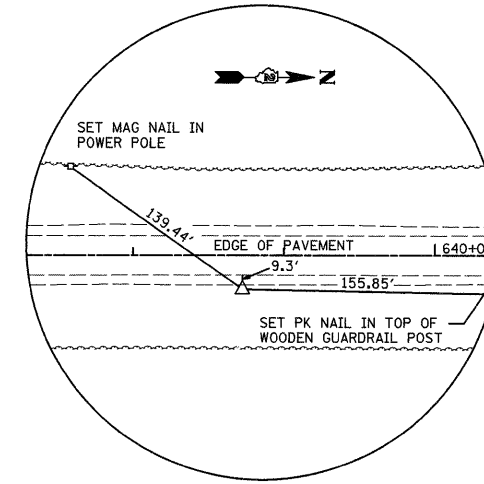
HORIZONTAL CONTROL
POINT NO. 1



HORIZONTAL CONTROL
POINT NO. 103

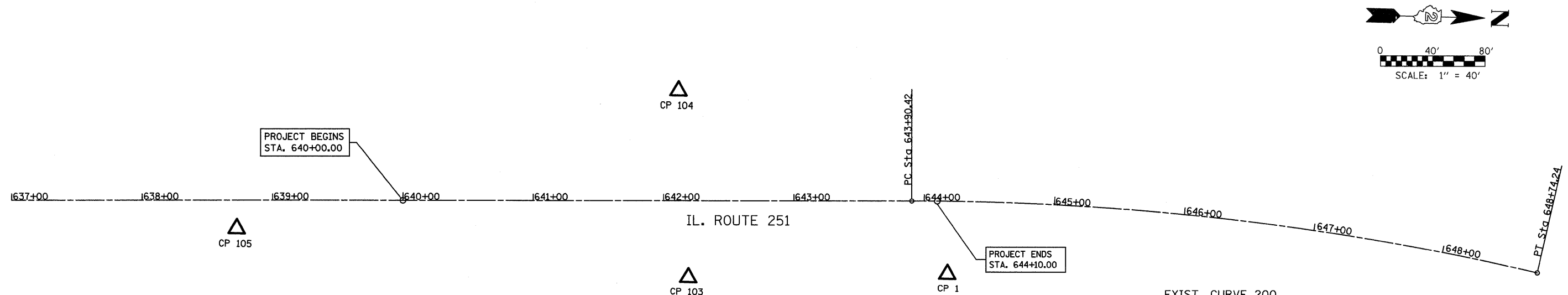


HORIZONTAL CONTROL
POINT NO. 104



HORIZONTAL CONTROL
POINT NO. 105

| HORIZONTAL CONTROL POINTS | | | | | |
|---------------------------|------------|------------|-----------|-----------|-------------|
| POINT | NORTHING | EASTING | STATION | OFFSET | DESCRIPTION |
| 1 | 1967135.72 | 2592810.64 | 644+18.53 | 56.32' RT | 5/8" REBAR |
| 103 | 1966937.04 | 2592818.00 | 642+19.00 | 59.31' RT | 5/8" REBAR |
| 104 | 1966926.17 | 2592675.61 | 642+11.38 | 83.28' LT | 5/8" REBAR |
| 105 | 1966589.80 | 2592788.95 | 638+72.51 | 22.35' RT | 5/8" REBAR |



EXIST. CURVE 200
 PI STA. = 646+33.36
 Δ = 12° 54' 20" (RT)
 D = 2° 40' 03"
 R = 2,148.00'
 T = 242.94'
 L = 483.82'
 E = 13.69'
 P.C. STA. = 643+90.42
 P.T. STA. = 648+74.24

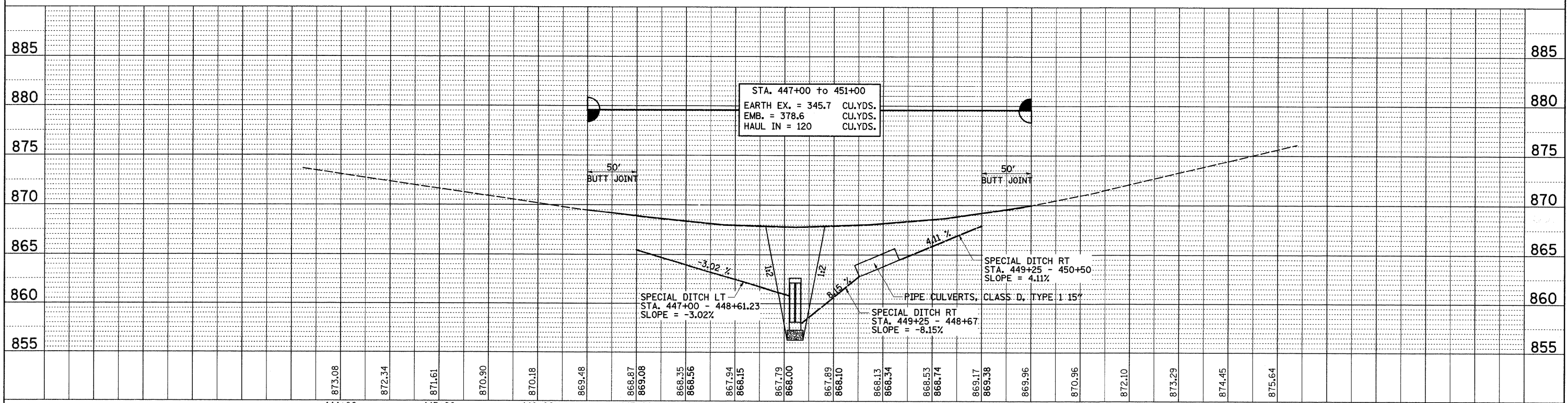
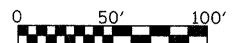
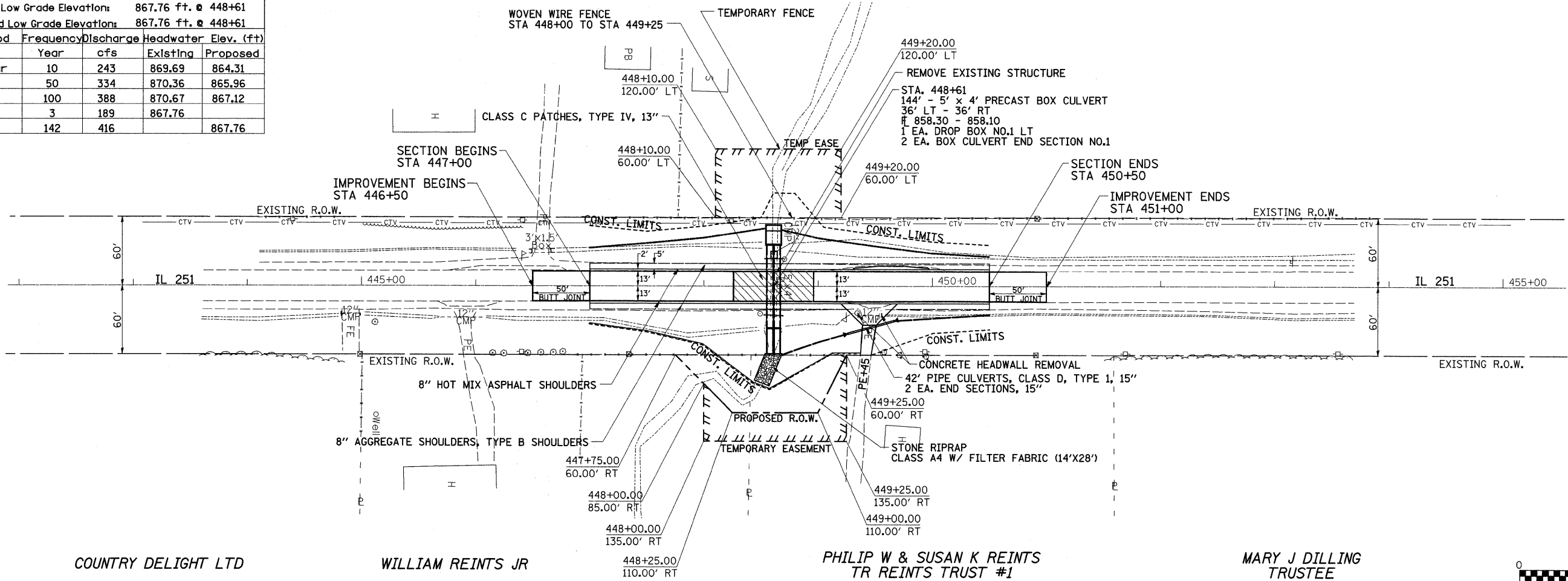
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|---|-----------------------|----------------|---|---|--|-------------|----------------------------------|--------|--------------|-----------|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - FML | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | HORIZONTAL & VERTICAL CONTROL | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| c:\pw_work\pw\dot\cushmanbw\d0103291\0264809-sh1-ATB\CONTROL_POINTS.dgn | DRAWN - FML | REVISED - | 1042 | | | 107T-1 | OGLE | 53 | 16 | |
| PLOT SCALE = 48.00' / IN. | CHECKED - DMM | REVISED - | CONTRACT NO. 64B09 | | | | | | | |
| PLOT DATE = Mon Dec 01 11:53:40 2008 | DATE - MAY 2008 | REVISED - | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |
| | | SCALE: 1"=40' | | | SHEET NO. OF SHEETS | | STA. 637+00.00 TO STA. 648+74.24 | | | |

NORMA J PETERS
TRUSTEE

STA. 448+61 TWO CELL 5' x 4' BOX CULVERT



| Drainage Area = 154.0 acres | | | | |
|-------------------------------|-----------|----------------------|----------|--------|
| Existing Low Grade Elevation: | | 867.76 ft. @ 448+61 | | |
| Proposed Low Grade Elevation: | | 867.76 ft. @ 448+61 | | |
| Flood Frequency | Discharge | Headwater Elev. (ft) | | |
| Year | cfs | Existing | Proposed | |
| Ten-Year | 10 | 243 | 869.69 | 864.31 |
| Design | 50 | 334 | 870.36 | 865.96 |
| Base | 100 | 388 | 870.67 | 867.12 |
| QVT (E) | 3 | 189 | 867.76 | |
| QVT (P) | 142 | 416 | | 867.76 |



DATE: _____
BY: _____
SURVEYED: _____
PLAN: _____
CHECKED: _____
NOTE BOOK NO.: _____
CADD FILE NAME: _____

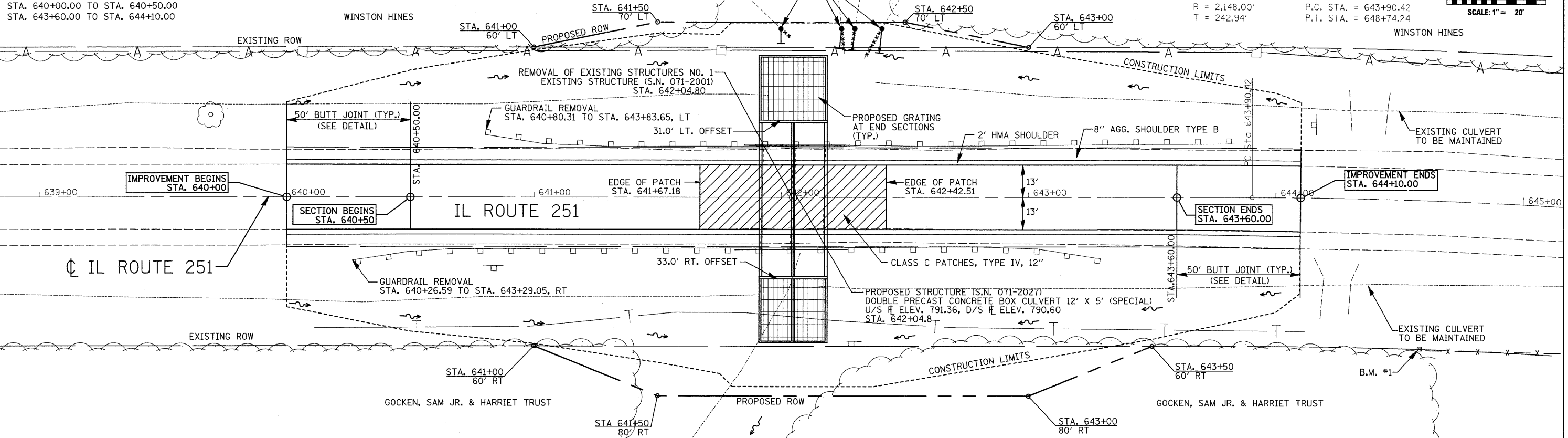
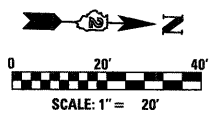
DATE: _____
BY: _____
PROFILE: _____
CHECKED: _____
NOTE BOOK NO.: _____
STRUCTURE NOTATIONS CHKD: _____

| | | | | | | | | | | |
|--|-----------------------|------------|-----------|---|----------------------------------|---------------------------|----------------|-------------|-----------------|--------------|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | PLAN & PROFILE | F.A.S. RTE. 1042 | SECTION 107T-1 | COUNTY OGLE | TOTAL SHEETS 53 | SHEET NO. 17 |
| c:\pw_work\pwt\dot\cushmanbw\dms37201\d0715p1n.dgn | | DRAWN - | REVISED - | SCALE: | SHEET NO. OF SHEETS STA. TO STA. | CONTRACT NO. 64B09 | | | | |
| PLOT SCALE = 50.0000' / IN. | | CHECKED - | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | |
| PLOT DATE = Mon Dec 01 10:47:59 2008 | | DATE - | REVISED - | | | | | | | |

BENCHMARK #1: APEX OF ROW MARKER, STA. 644+50, 60' RT. - ELEV. 802.55

LIMITS OF PROPOSED BUTT JOINT
 STA. 640+00.00 TO STA. 640+50.00
 STA. 643+60.00 TO STA. 644+10.00

EXIST. CURVE 200
 PI STA. = 646+33.36
 $\Delta = 12^\circ 54' 20''$ (RT) L = 483.82'
 $D = 2^\circ 40' 03''$ E = 13.69'
 R = 2,148.00' P.C. STA. = 643+90.42
 T = 242.94' P.T. STA. = 648+74.24



WATERWAY INFORMATION TABLE

| Station | DRAINAGE AREA | | Opening Sq. Ft. | | Head - Ft. | | Headwater El. | |
|---------|---------------|-------|-----------------|-------|------------|-------|---------------|--------|
| | Exist. | Prop. | Exist. | Prop. | Exist. | Prop. | Exist. | Prop. |
| 820 | 2.26 | 2.26 | 103 | 120 | 0.33 | 0.17 | 796.70 | 796.54 |
| 815 | 50 | 731 | 119 | 120 | 0.91 | 0.80 | 797.65 | 797.54 |
| 810 | 100 | 835 | 120 | 120 | 1.22 | 1.16 | 798.09 | 798.03 |
| 805 | 500 | 1081 | 120 | 120 | 2.08 | 2.17 | 799.22 | 799.31 |

| Station | Elevation | Notes |
|---------|-----------|--------------------------|
| 640+00 | 795.20 | STA. 640+00 ELEV. 795.20 |
| 640+00 | 793.98 | STA. 640+00 ELEV. 793.98 |
| 641+00 | 792.85 | STA. 641+00 ELEV. 792.85 |
| 641+90 | 791.36 | STA. 641+90 ELEV. 791.36 |
| 641+90 | 790.60 | STA. 641+90 ELEV. 790.60 |
| 642+20 | 790.60 | STA. 642+20 ELEV. 790.60 |
| 642+50 | 791.45 | STA. 642+50 ELEV. 791.45 |
| 644+10 | 797.71 | STA. 644+10 ELEV. 797.71 |
| 644+10 | 796.71 | STA. 644+10 ELEV. 796.71 |

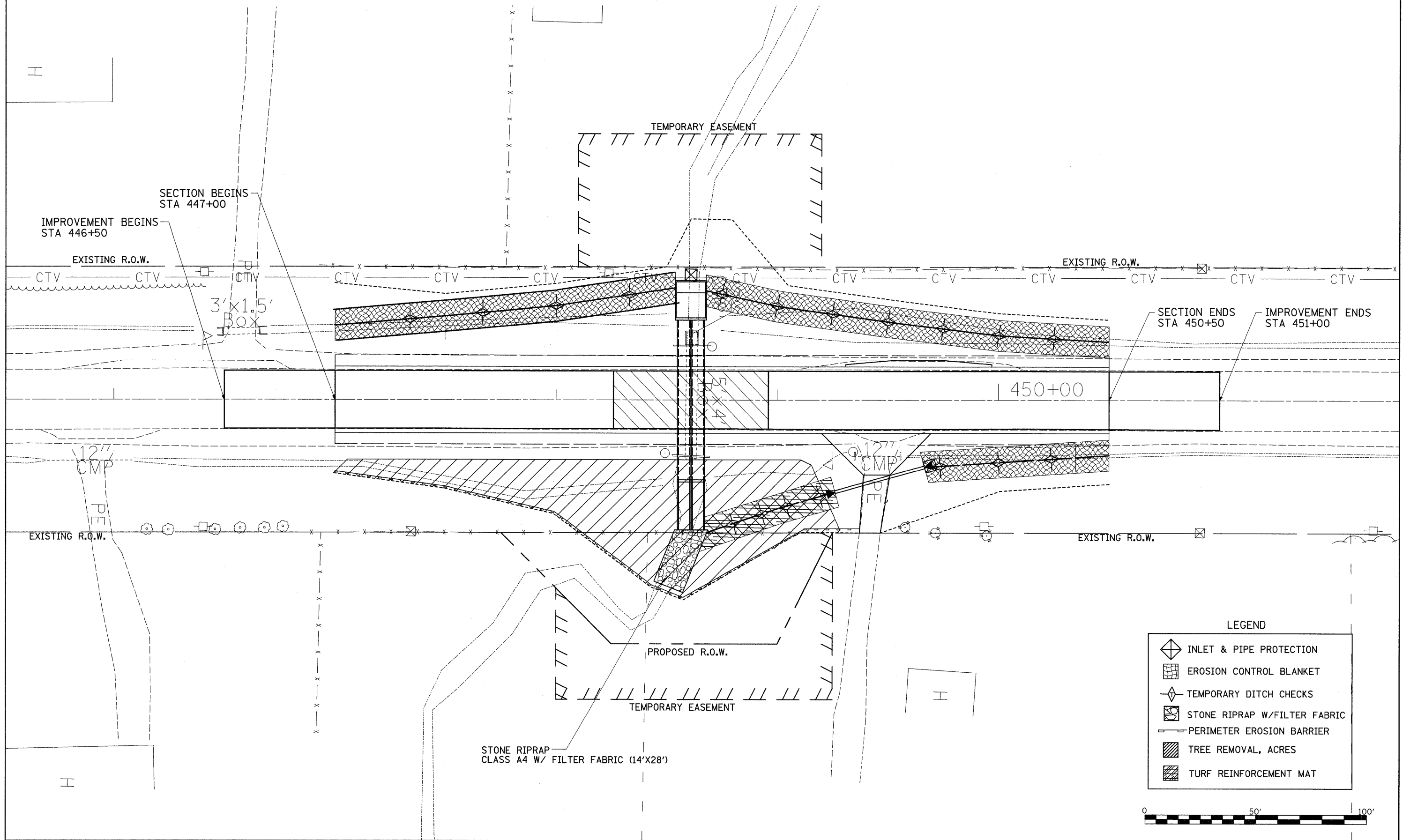
| Station | Elevation | Notes |
|---------|-----------|-----------------------------|
| 640+00 | 800.50 | STA. 640+00.00 ELEV. 800.50 |
| 640+50 | 800.69 | STA. 640+50.00 ELEV. 800.69 |
| 641+00 | 800.43 | STA. 641+00.00 ELEV. 800.43 |
| 641+50 | 800.72 | STA. 641+50.00 ELEV. 800.72 |
| 642+00 | 800.70 | STA. 642+00.00 ELEV. 800.70 |
| 642+50 | 800.57 | STA. 642+50.00 ELEV. 800.57 |
| 643+00 | 800.66 | STA. 643+00.00 ELEV. 800.66 |
| 643+50 | 801.13 | STA. 643+50.00 ELEV. 801.13 |
| 644+00 | 801.41 | STA. 644+00.00 ELEV. 801.41 |
| 644+00 | 801.44 | STA. 644+00.00 ELEV. 801.44 |
| 644+50 | 801.99 | STA. 644+50.00 ELEV. 801.99 |
| 645+00 | 802.76 | STA. 645+00.00 ELEV. 802.76 |

STA. 640+00.0 TO STA. 644+10.0
 EARTH EXCAVATION = 1634 CY
 EMBANKMENT = 380 CY
 WASTE = 846 CY

DATE: _____
 BY: _____
 SURVEYED: _____
 ALIGNED: _____
 CHECKED: _____
 PLAN: _____
 NOTE BOOK NO.: _____
 PADD FILE NAME: _____

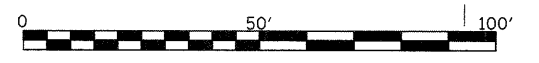
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 PROFILE: _____
 NOTE BOOK NO.: _____
 STRUCTURE NOTATIONS: _____

EROSION CONTROL DETAILS



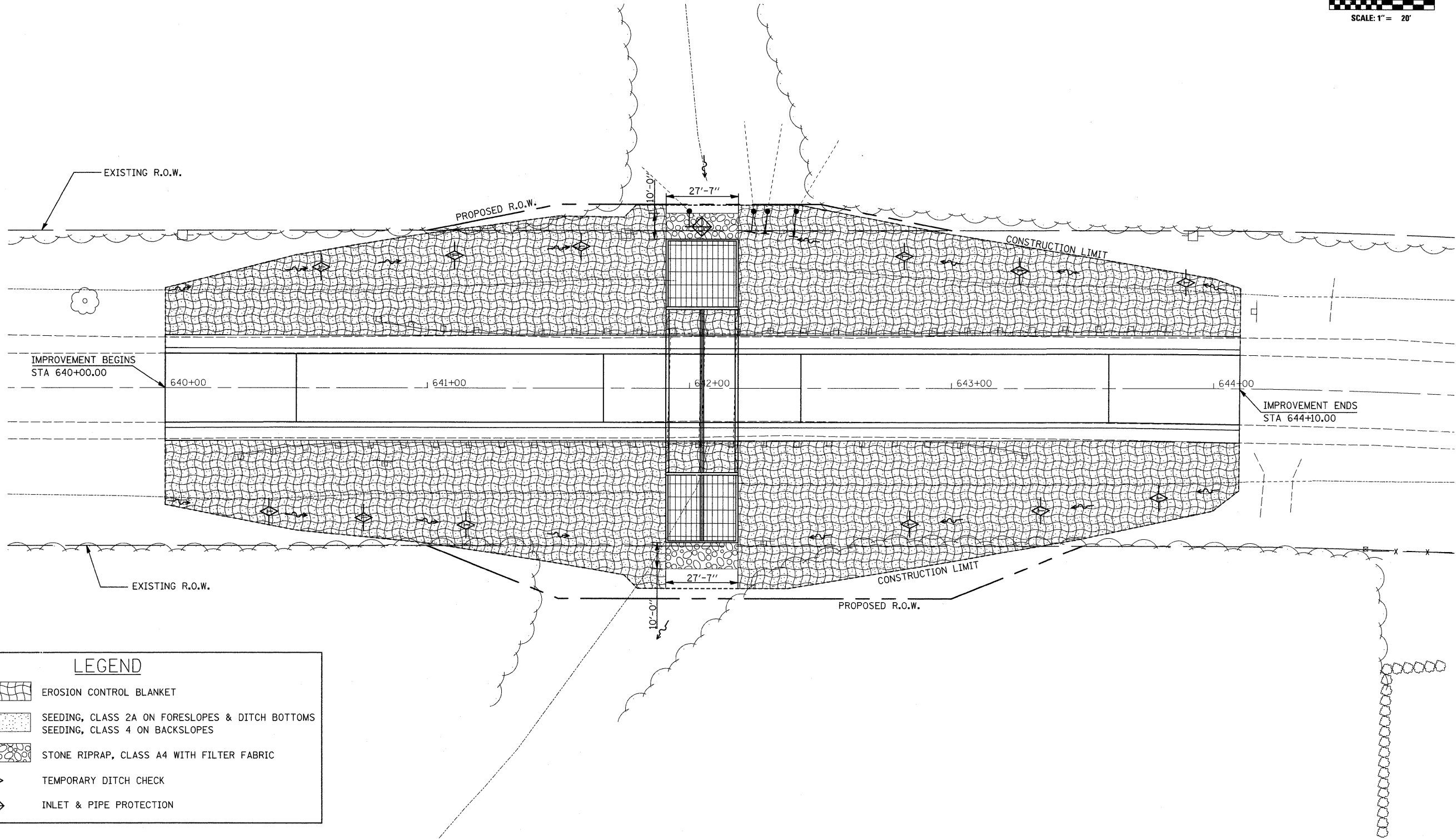
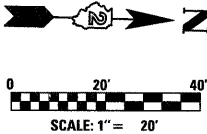
LEGEND

| | |
|--|------------------------------|
| | INLET & PIPE PROTECTION |
| | EROSION CONTROL BLANKET |
| | TEMPORARY DITCH CHECKS |
| | STONE RIPRAP W/FILTER FABRIC |
| | PERIMETER EROSION BARRIER |
| | TREE REMOVAL, ACRES |
| | TURF REINFORCEMENT MAT |



| | | | | | | | | | | |
|--|-----------------------|------------|---------------------|---|----------------------------------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EROSION CONTROL DETAILS | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ct\pw_work\p\adot\cushmanbw\dms37201\d07105ser.dgn | DRAWN - | REVISED - | 1042 | | | 107T-1 | OGLE | 53 | 19 | |
| PLOT SCALE = 20.0000' / 1" IN. | CHECKED - | REVISED - | CONTRACT NO. 64B09 | | | | | | | |
| PLOT DATE = Mon Dec 01 10:47:34 2008 | DATE - | REVISED - | FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | | | | |
| | | | | SCALE: | SHEET NO. OF SHEETS STA. TO STA. | | | | | |

EROSION CONTROL PLAN



| LEGEND | |
|--------|---|
| | EROSION CONTROL BLANKET |
| | SEEDING, CLASS 2A ON FORESLOPES & DITCH BOTTOMS SEEDING, CLASS 4 ON BACKSLOPES |
| | STONE RIPRAP, CLASS A4 WITH FILTER FABRIC |
| | TEMPORARY DITCH CHECK |
| | INLET & PIPE PROTECTION |

FILE NAME = E:\0507\EROSION Control Plan\06_erosioncontrolsheet.dgn
 USER NAME = OWR
 DESIGNED - OWR
 DRAWN - OWR
 CHECKED - DMM
 PLOT DATE = 05/21/2008

DESIGNED - OWR
 DRAWN - OWR
 CHECKED - DMM
 DATE - 05/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

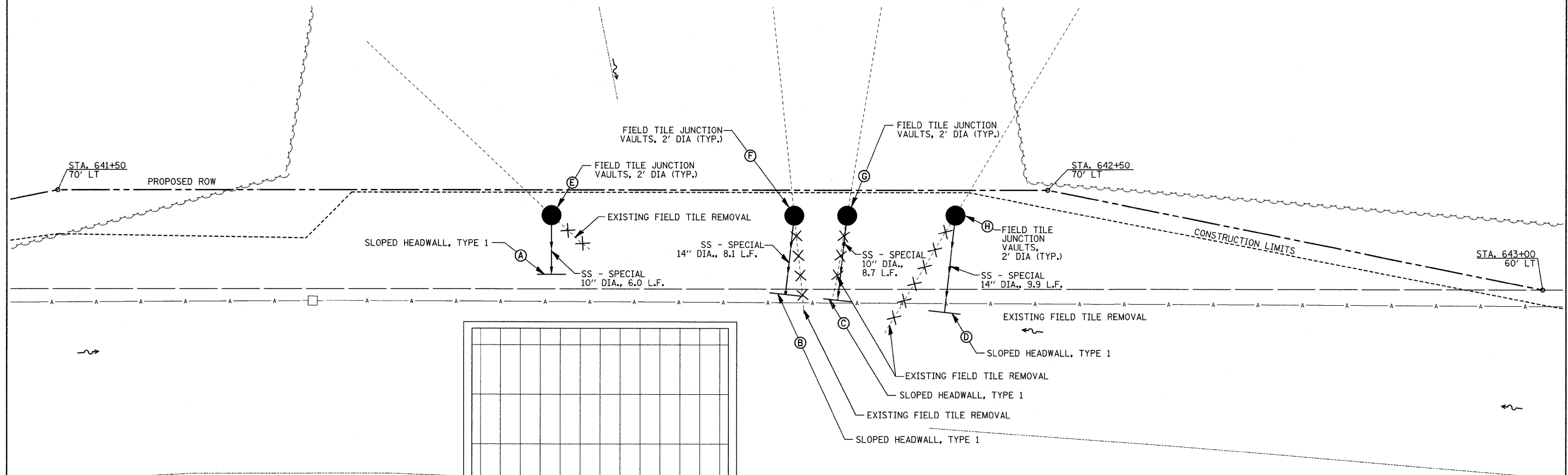
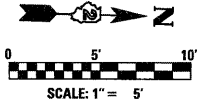
EROSION CONTROL PLAN
IL RTE 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 639+00.00 TO STA. 645+00.00

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|---------|--------|--------------|-----------|
| 1042 | 107T-1 | OGLE | 53 | 20 |
| CONTRACT NO. 64B09 | | | | |

FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

BENCHMARK #1: APEX OF ROW MARKER, STA. 644+50, 60' RT. - ELEV. 802.55



SLOPED HEADWALL, TYPE 1

| STRUCTURE LABEL | INV ELEV. | STATION | OFFSET |
|-----------------|-----------|----------|-----------|
| A | 791.36 | 641+99.9 | 61.5' LT. |
| B | 791.37 | 642+23.5 | 59.5' LT. |
| C | 791.39 | 642+28.8 | 58.9' LT. |
| D | 791.42 | 642+39.6 | 57.7' LT. |

FIELD TILE JUNCTION VAULTS, 2' DIA.

| STRUCTURE LABEL | RIM ELEV. | † ELEV. (E)* | STATION | OFFSET |
|-----------------|-----------|--------------|----------|-----------|
| E | 793.5 | 791.39 | 641+99.9 | 67.5' LT. |
| F | 794.2 | 791.41 | 642+24.4 | 67.5' LT. |
| G | 794.2 | 791.43 | 642+29.7 | 67.5' LT. |
| H | 794.2 | 791.47 | 642+40.7 | 67.5' LT. |

*WEST INVERTS OF FIELD TILE JUNCTION VAULTS TO MATCH EXISTING.

NOTE:
REMOVAL OF EXISTING FIELD TILE SHALL BE INCLUDED IN THE COST OF EARTHWORK.

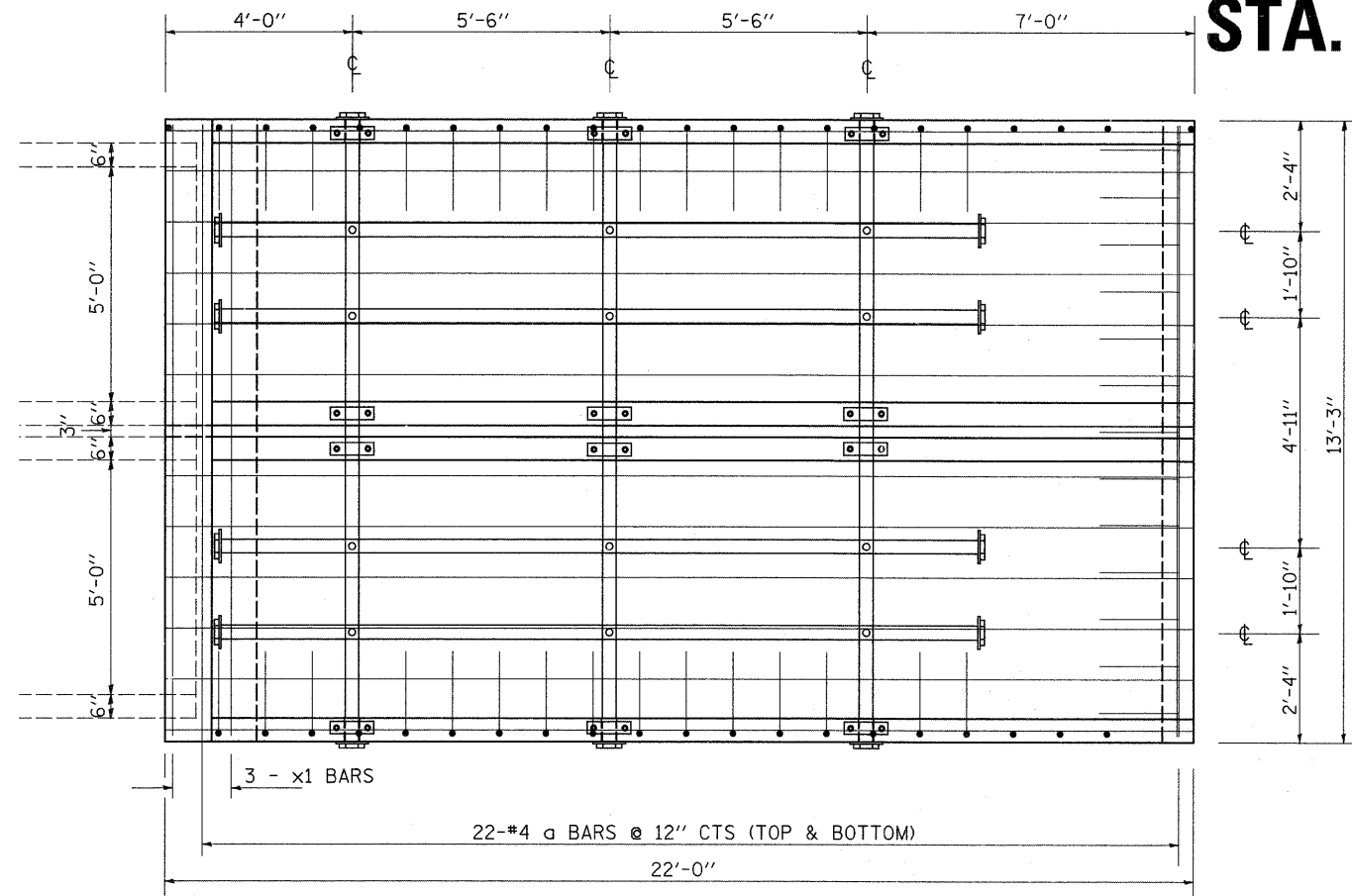
IL ROUTE 251

642+00

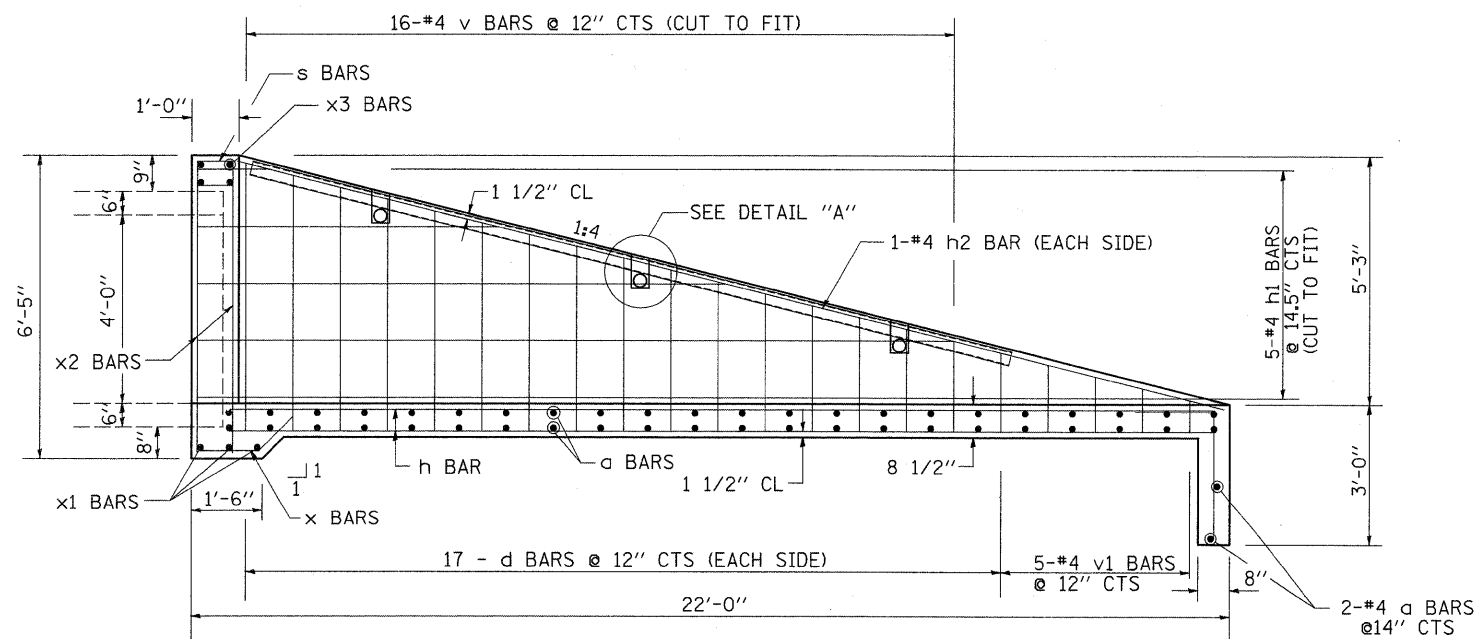
643+00

| | | | | | | | | | | | | | |
|---|--------------------------------------|------------|-----------|---|--|--------|------|----|--------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | FIELD TILE IMPROVEMENTS PLAN IL RTE 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK | | | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ca:\pwork\pwork\DOT\CUSHMANBW\11183291\11183291.dgn | 64809-shr-misc.dgn | DRAWN - | REVISED - | | 1042 | 107T-1 | OGLE | 53 | 21 | | | | |
| | PLOT SCALE = 5,2000' / IN. | CHECKED - | REVISED - | | SCALE: 1" = 5' SHEET NO. OF SHEETS STA. TO STA. | | | | CONTRACT NO. 64B09 | | | | |
| | PLOT DATE = Mon Dec 01 11:33:48 2008 | DATE - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | | |

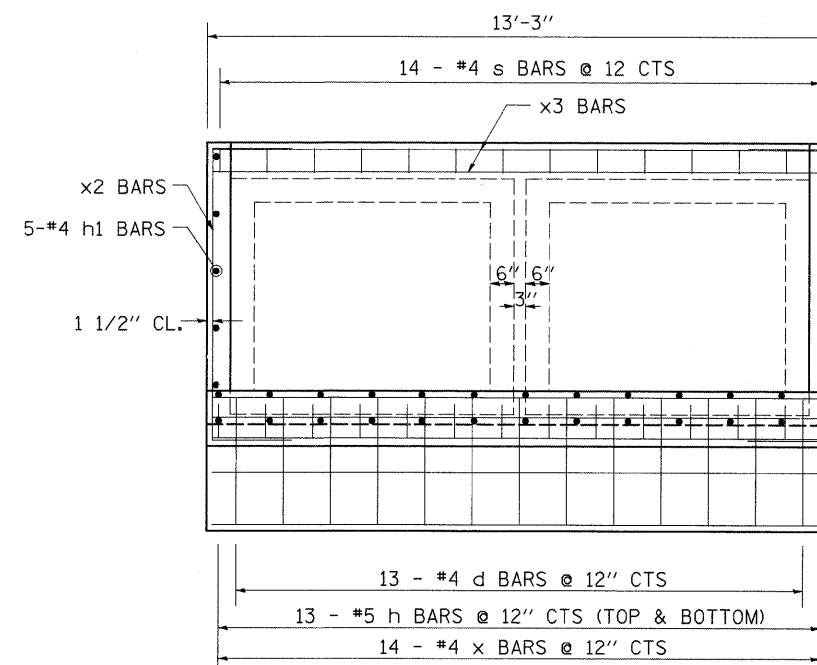
BOX CULVERT END SECTION NO.1 STA. 448 + 61 RT



PLAN VIEW



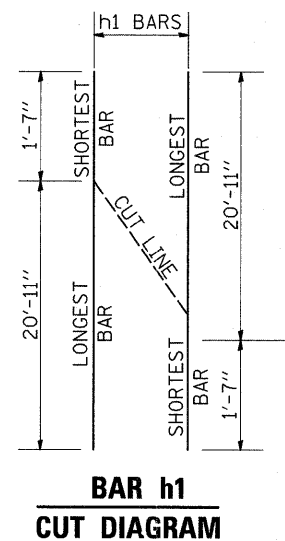
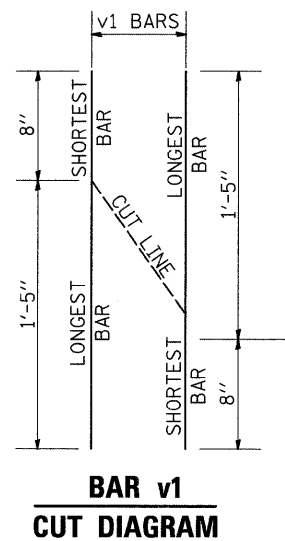
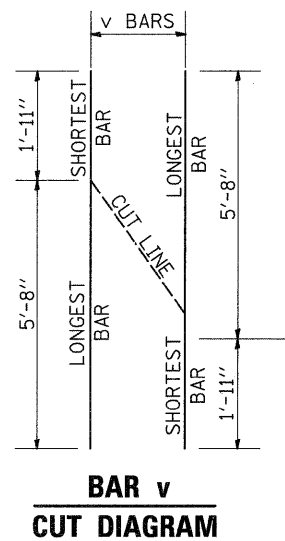
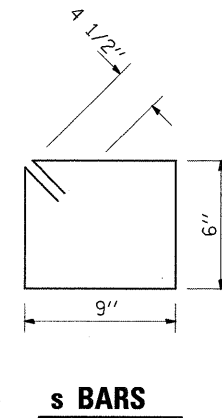
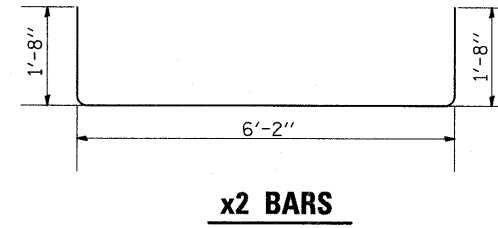
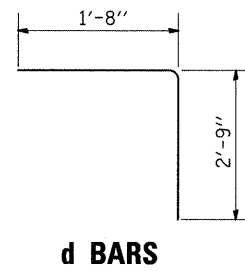
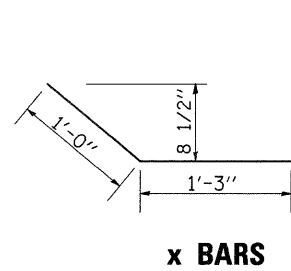
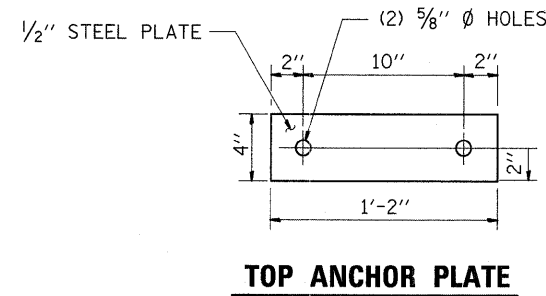
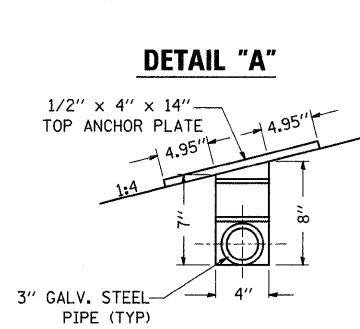
LONGITUDINAL SECTION



END VIEW

| | | | | | | | | | | |
|--|-----------------------|------------|-----------|---|--|---|---------|--------|-----------------|--------------|
| FILE NAME = | USER NAME = cushmenbw | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BOX CULVERT END SECTION NO.1 STA. 448 + 61 RT | F.A.S RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ca:\pwork\pwsdot\cushmenbw\dms37201\d07105soul.v.dgn | | DRAWN - | REVISED - | | | 1042 | 107T-1 | OGLE | 53 | 22 |
| PLOT SCALE = 50.0000 / IN. | | CHECKED - | REVISED - | | | CONTRACT NO. 64B09 | | | | |
| PLOT DATE = Mon Dec 01 10:47:21 2008 | | DATE - | REVISED - | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |
| | | | | | SCALE: | SHEET NO. 1 OF 2 SHEETS | | STA. | | TO STA. |

BOX CULVERT END SECTION NO.1 STA. 448 + 61 RT



BILL OF MATERIALS (For Information Only)

| BAR | NUMBER | SIZE | LENGTH | SHAPE |
|------------------------------------|--------|------|---------|--------|
| a | 46 | #4 | 13'-0" | — |
| d | 47 | #4 | 4'-5" | └ |
| h | 26 | #5 | 20'-11" | — |
| h1 | 5 | #4 | 22'-6" | — |
| h2 | 2 | #4 | 21'-7" | — |
| s | 14 | #4 | 3'-3" | □ |
| v | 16 | #4 | 7'-7" | — |
| v1 | 5 | #4 | 2'-1" | — |
| x | 14 | #4 | 2'-3" | └ |
| x1 | 3 | #4 | 13'-0" | — |
| x2 | 4 | #4 | 7'-10" | └ |
| x3 | 4 | #6 | 13'-0" | — |
| DESCRIPTION | | | UNIT | QTY. |
| Concrete Box Culverts | | | CuYd | 13.63 |
| Reinforcement Bars | | | LBS | 1,474 |
| 3" I.D. Galv Steel Pipe | | | 3ø | 13'-7" |
| | | | 4ø | 16'-7" |
| 3" Galv Pipe Caps | | | EACH | 14 |
| 1/4" Galv Steel Plate (9" NomInal) | | | EACH | 6 |
| 1/2"x4"x14" Galv Steel Plate | | | EACH | 12 |
| 5/8"x9" Galv Steel Bolts | | | EACH | 12 |
| Expansion Bolts 1/2" | | | EACH | 24 |

GENERAL NOTES:

This work shall be done in accordance to the applicable portion of sections 503, 508, AND 540 of the Standard Specifications.

Contractor shall field verify Galvanized pipe lengths.

Exposed edges shall be beveled 3/4".

The contract unit price "EACH" for Box Culvert End Section No. 1 shall be of precast construction and shall include the expansion bolts, galvanized pipes, class SI Concrete, Bolts, Nuts, Reinforcement, washers, steel plates, and pipe caps.

The contractor has the option of using Cast-In-Place and must provide us with shop drawings for review.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60 (IL Modified). See Special Provision.

Steel plates shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.

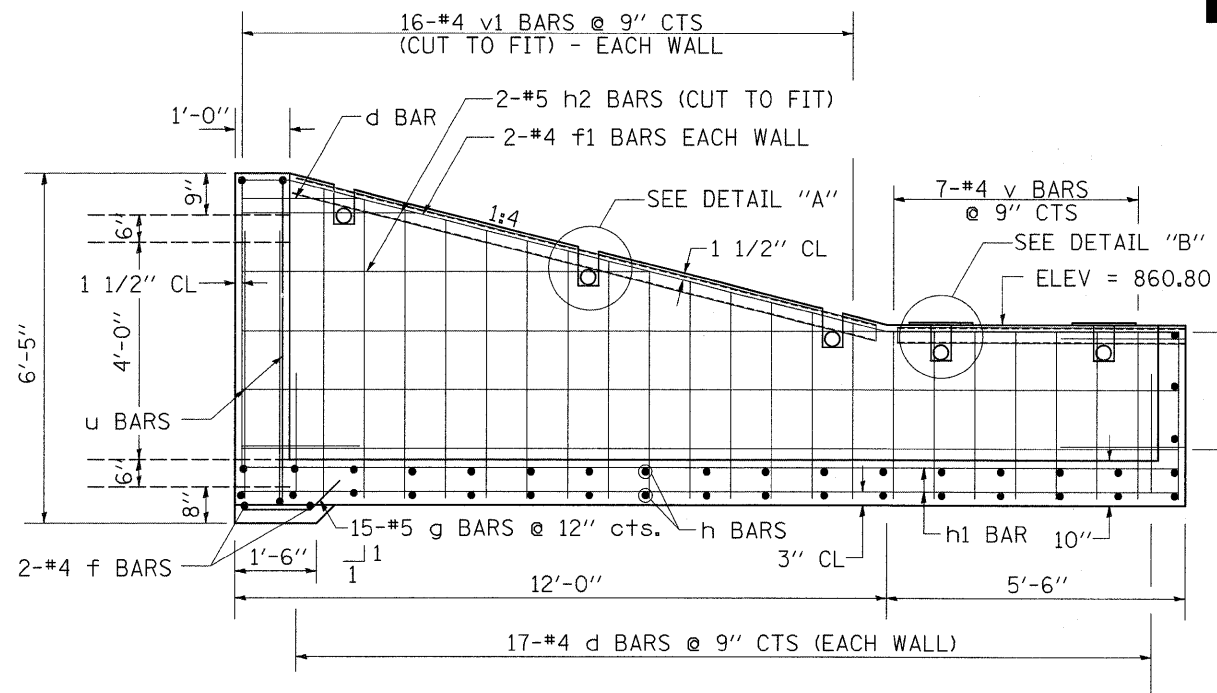
Bolts, Nuts, and Washers shall be in accordance with article 505 of the Standard Specifications and shall be galvanized.

See Plan and Profile Sheet for more information.

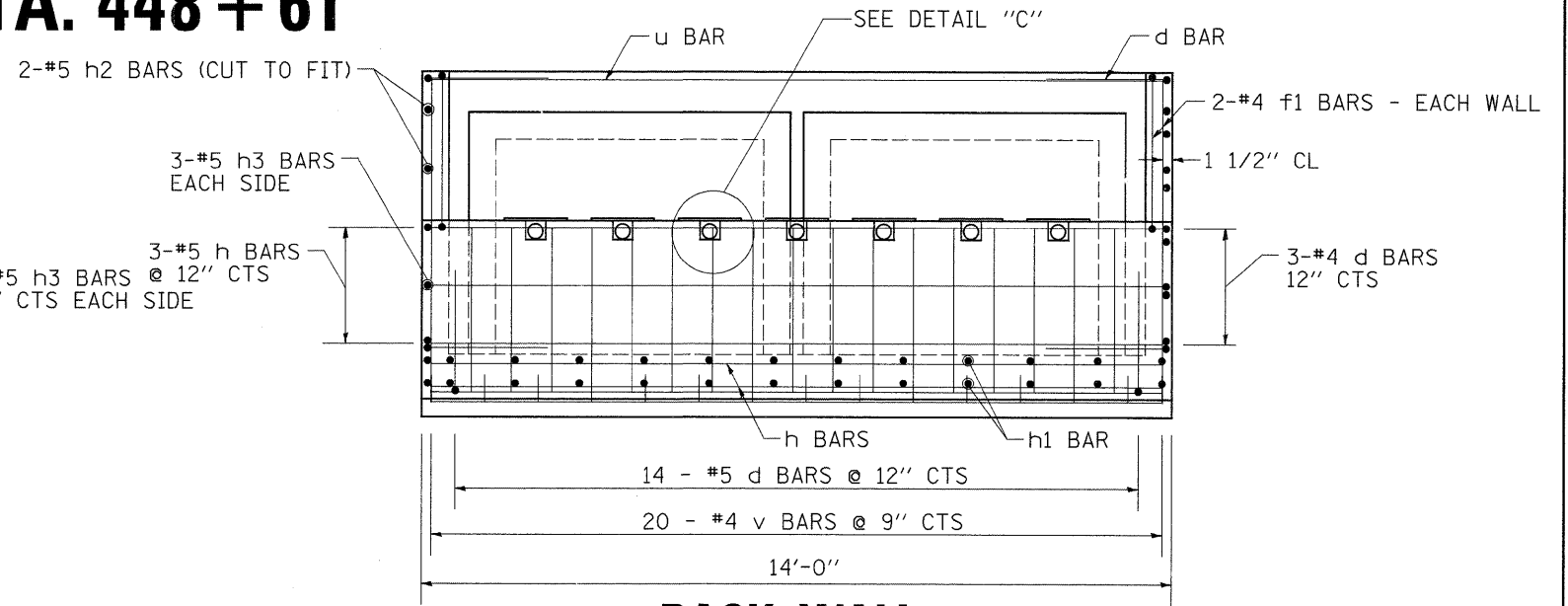
See Cross Section Sheet for more information.

| | | | | | | | | | | | |
|---|-----------------------|------------|-----------|---|--|---|---------|--------|-----------------|--------------|--|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BOX CULVERT END SECTION NO.1 STA. 448 + 61 RT | F.A.S RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| cs:\pwork\pwork\cushmanbw\dms37201\d07105culv.dgn | 105culv.dgn | DRAWN - | REVISED - | | | 1042 | 1077-1 | OGLE | 53 | 23 | |
| PLOT SCALE = 50.0000' / IN. | | CHECKED - | REVISED - | | | CONTRACT NO. 64B09 | | | | | |
| PLOT DATE = Mon Dec 01 13:22:01 2008 | | DATE - | REVISED - | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | |

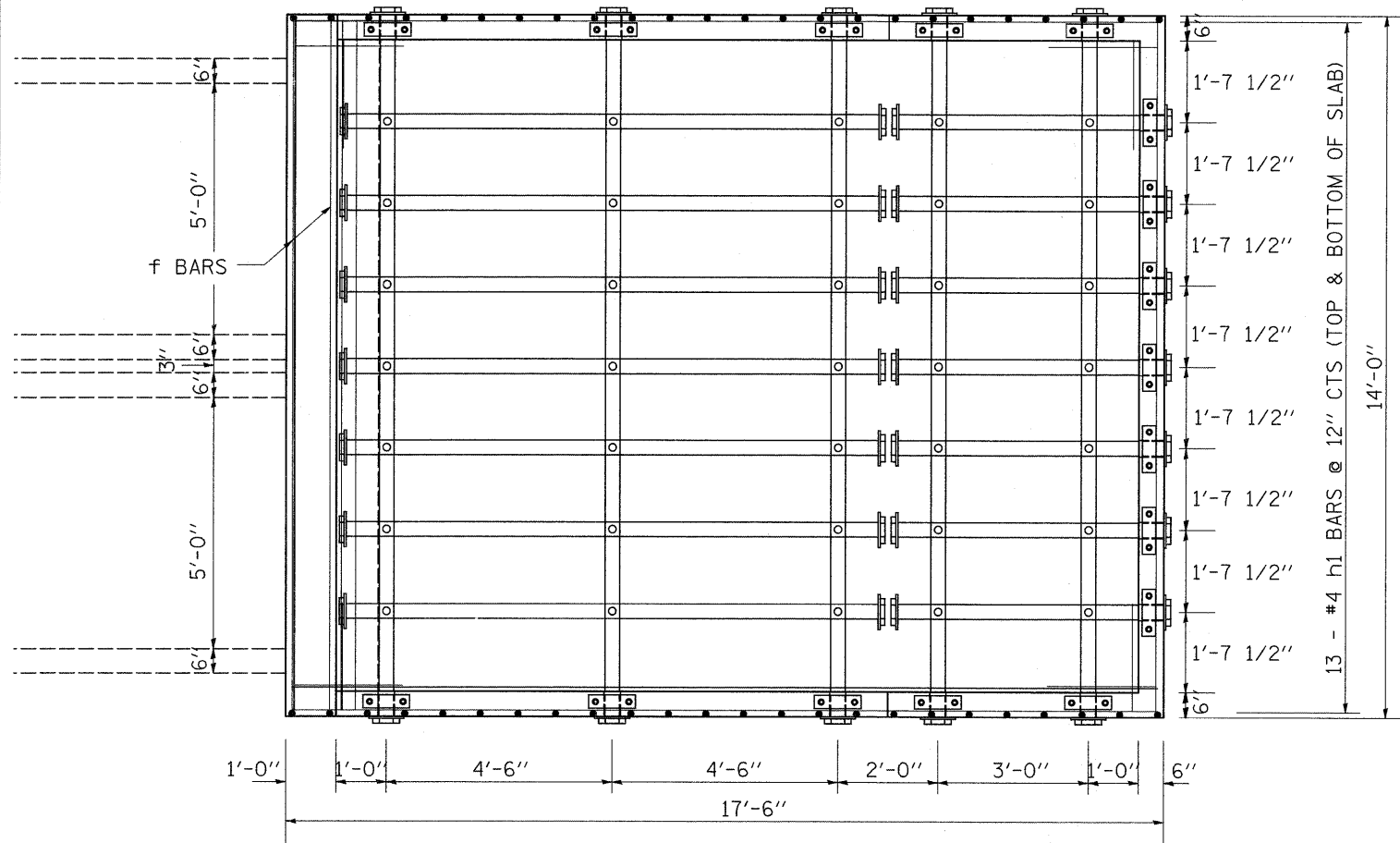
DROP BOX NO. 1 STA. 448 + 61



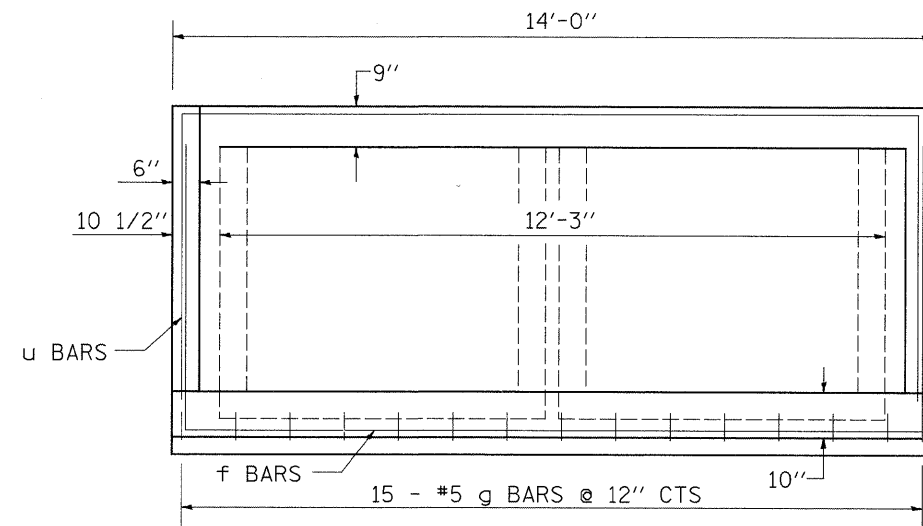
SIDEWALLS



BACK WALL



BOTTOM SLAB

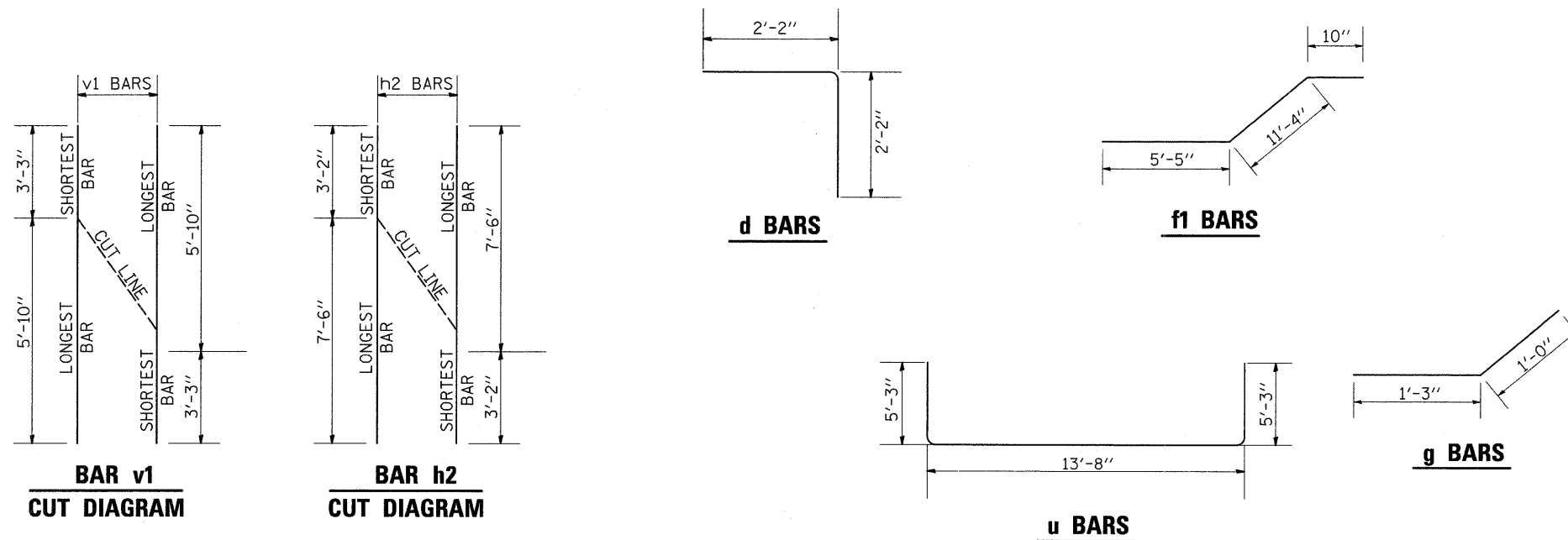
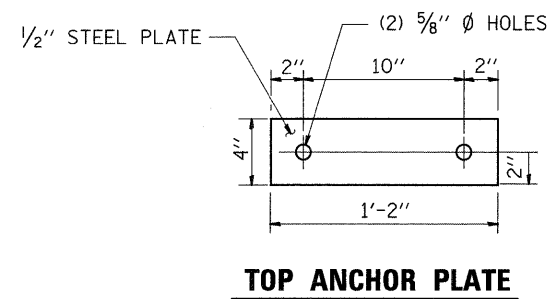
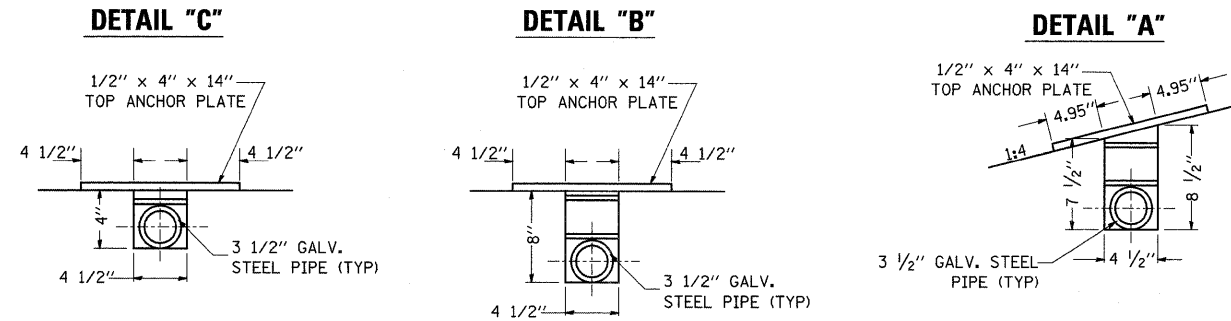


HEADWALL

| | | | | | | | | | | | |
|--|--------------------------------------|------------|-----------|---|----------------------|---|---------|--------|-----------------|--------------|--|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | DROP BOX NO.1 | F.A.S RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| ca:\pwwork\pwwork\cushmanbw\dms37201\d0105soul.v.dgn | PLOT SCALE = 50.0000' / IN. | DRAWN - | REVISED - | | | 1042 | 107T-1 | OGLE | 53 | 24 | |
| | PLOT DATE = Mon Dec 01 10:47:21 2008 | CHECKED - | REVISED - | | | CONTRACT NO. 64B09 | | | | | |
| | | DATE - | REVISED - | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | |
| | | | | SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA. | | | | | | | |

DROP BOX NO. 1 STA. 448 + 61

BILL OF MATERIALS (For Information Only)



| BAR | NUMBER | SIZE | LENGTH | SHAPE |
|-----|--------|------|--------|-------|
| d | 56 | #5 | 4'-4" | └ |
| f | 2 | #4 | 13'-8" | — |
| f1 | 4 | #4 | 17'-7" | — |
| g | 15 | #5 | 2'-3" | — |
| h | 37 | #5 | 13'-8" | — |
| h1 | 26 | #4 | 17'-3" | — |
| h2 | 2 | #5 | 10'-8" | — |
| h3 | 6 | #5 | 17'-3" | — |
| v | 34 | #4 | 3'-1" | — |
| v1 | 16 | #4 | 9'-1" | — |
| u | 4 | #5 | 24'-2" | └ |

| DESCRIPTION | UNIT | QTY. |
|------------------------------------|------|--------|
| Concrete Box Culverts | CuYd | 11.17 |
| Reinforcement Bars | LBS | 1,579 |
| 3 1/2" I.D. Galv Steel Pipe | 5ø | 14'-4" |
| | 7ø | 11'-0" |
| | 7ø | 5'-6" |
| 3 1/2" Galv Pipe Caps | EACH | 38 |
| 1/4" Galv Steel Plate (9" Nominal) | EACH | 17 |
| 1/2"x4"x14" Galv Steel Plate | EACH | 17 |
| 5/8"x9" Galv Steel Bolts | EACH | 35 |
| Expansion Bolts 1/2" | EACH | 34 |

GENERAL NOTES:

This work shall be done in accordance with the applicable portion of sections 503, 508, AND 540 of the Standard Specifications.

Contractor shall field verify Galvanized pipe lengths.

Exposed edges shall be beveled 3/4".

The contract unit price "EACH" for Drop Box No. 1 shall include the Bolts, Galvanized pipe, Nuts, Washers, and pipe caps. Steel Plates, Reinforcement Bars, and Class SI Concrete.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60 (IL Modified). See Special Provision.

Steel plates shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.

Bolts, Nuts, and Washers shall be in accordance with article 505 of the Standard Specifications and shall be galvanized.

See Plan and Profile Sheet for more information.

See Cross Section Sheet for more information.

Bench Mark: Apex of ROW Marker, Sta. 644+50, 60' Rt. Elev. 802.55

Existing Structure: 071-2001. Built in 1928 as SBI 70. Section B-107 at Station 642+04.80 as a double 12'x5' RC box culvert, 42'-0" long and out-to-out width of 26'-2". Existing culvert to be removed and replaced. Culvert will be closed during construction, and traffic will be routed on a marked detour.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

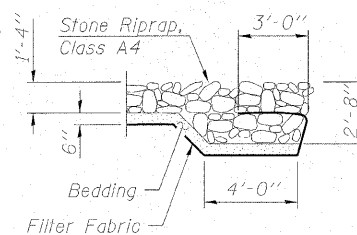
| Sheet No. | Description |
|-----------|---|
| 1 | General Plan & Elevation |
| 2 | Culvert Details |
| 3 | Culvert Details |
| 4 | Grate Details |
| 5 | Precast Concrete Box Culvert 12'x5' (Special) |
| 6 | Boring Logs |

STATION 642+04.80
BUILT 20__ BY
STATE OF ILLINOIS
F.A.S. 1042 SEC. 107T-1
LOADING HS 20-44
STRUCTURE NO. 071-2027

NAME PLATE
See Std. 515001

DESIGN SCOUR ELEVATION TABLE

| Design Scour Elevation (ft.) | D.S. Invert | U.S. Invert |
|------------------------------|-------------|-------------|
| | 787.8 | 788.2 |



SECTION A-A

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications

LOADING HS-20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS

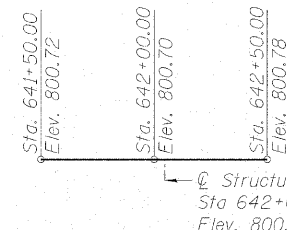
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

PRECAST UNITS

$f'_c = 5,000$ psi
 $f_y = 65,000$ psi (Welded Wire Fabric)

TOTAL BILL OF MATERIAL

| ITEM | UNIT | TOTAL |
|---|---------|-------|
| Removal and Disposal of Unsuitable Material | Cu. Yd. | 194 |
| Stone Riprap, Class A4 | Sq. Yd. | 61 |
| Filter Fabric | Sq. Yd. | 61 |
| Removal of Existing Structures No. 1 | Each | 1 |
| Reinforcement Bars, Epoxy Coated | Pound | 1490 |
| Reinforcement Bars | Pound | 5800 |
| Name Plates | Each | 1 |
| Concrete Box Culverts | Cu. Yd. | 72.8 |
| Precast Concrete Box Culvert 12'x5' (Special) | Foot | 128 |
| Breaker Run Crushed Stone | Ton | 262 |



PROFILE GRADE

F.A.S. 1042 (IL 251)
(Along C of Roadway)

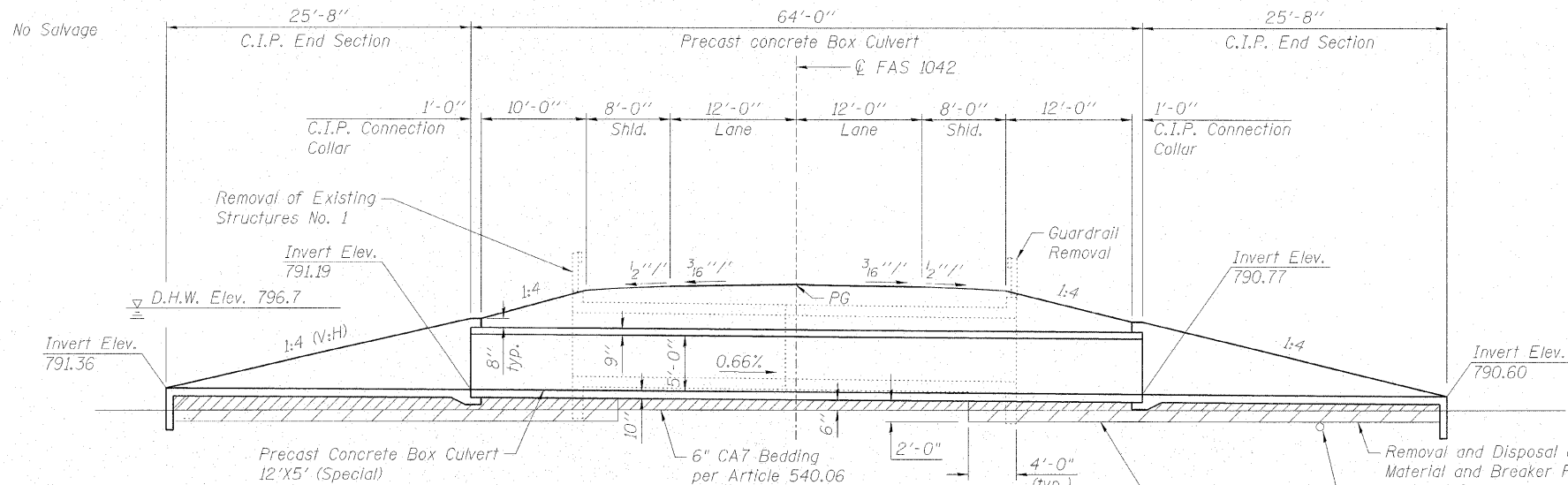
GENERAL NOTES

- Layout of Riprap may be varied in the field to suit ground conditions as directed by the Engineer.
- Cast-In-Place Concrete exposed edges shall be beveled $\frac{3}{4}$ in.
- Reinforcement Bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions
- Reinforcement bars designated (E) shall be epoxy coated.
- It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction area free of water. The method of water diversion shall be subject to the approval of the Engineer and the cost shall be included with the cost of "Concrete Box Culvert".
- Excavation behind existing culvert walls shall be performed before removing the existing top slab.
- Structural Seal is for Cast-In-Place Concrete portion of structure only.
- Precast Concrete Box Culvert sections shall conform to the requirements of Article 540.06 of the Standard Specifications and the applicable requirements of AASHTO M 259.
- Design Fill height shall be four feet.
- For Backfill and Embankment, see Special Provisions.
- Outside end of Precast sections shall not have a bell or spigot.
- The End Sections and Wingwalls shall be Cast-In-Place.
- Prior to excavating below the theoretical elevation of the bottom of the bedding material, the Engineer shall be contacted and shall be present to determine the actual limits and depth of excavation for Removal and Disposal of Unsuitable Material.
- Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.
- The joints between precast box sections shall be sealed and all voids filled with mastic joint sealer. In addition, the joints shall be externally sealed on all four sides using 13 inch wide external sealing bands. The seal shall be centered over the joint, secured in place and protected from damage during the backfilling operation.

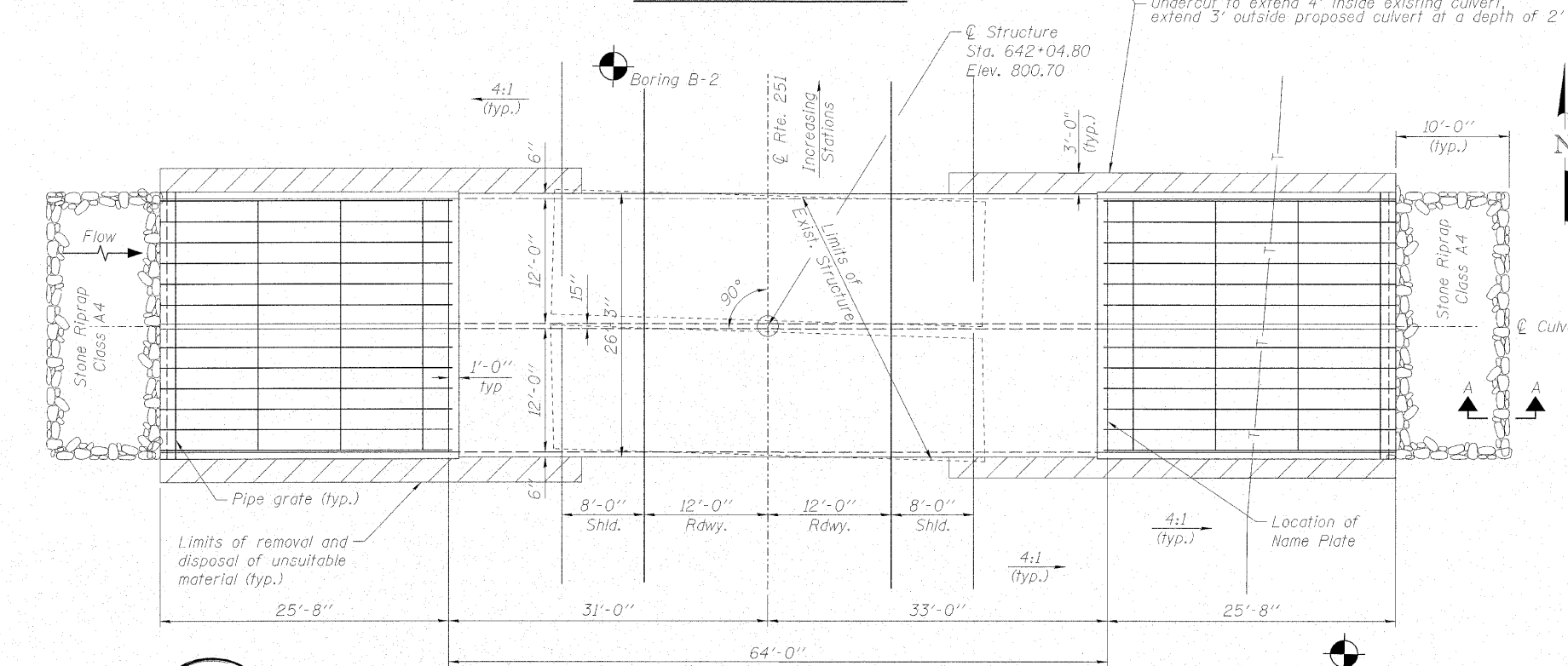
GENERAL PLAN & ELEVATION

ILL. RTE. 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK

| SHEET NO. 1 | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|-------------|------------------------|---------------------------|--------------|-----------|
| 5 SHEETS | 1042 | 107T-1 | OGLE | 53 | 26 |
| | | STRUCTURE NO. 071-2027 | CONTRACT NO. 64B09 | | |
| | | FED. ROAD DIST. NO. _ | ILLINOIS FED. AID PROJECT | | |



LONGITUDINAL SECTION



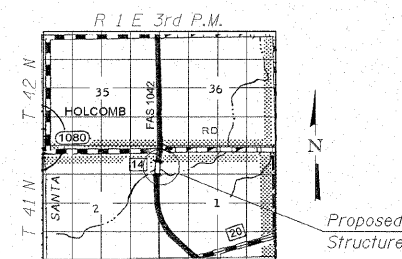
PLAN

WATERWAY INFORMATION

Drainage Area = 2.26 sq. mi. Proposed Low Grade Elev. 800.3 @ Sta. 642+04.8

| Flood | Freq. Yr. | Q C.F.S. | Opening Sq. Ft. | | Nat. H.W.E. | | Head Ft. | | Headwater El. | |
|-------------------|-----------|----------|-----------------|-------|-------------|-------|----------|--------|---------------|-------|
| | | | Exist. | Prop. | Exist. | Prop. | Exist. | Prop. | Exist. | Prop. |
| Design | 10 | 479 | 103 | 120 | 796.37 | 0.33 | 0.17 | 796.70 | 796.54 | |
| Base | 50 | 731 | 119 | 120 | 796.74 | 0.91 | 0.80 | 797.65 | 797.54 | |
| Max (Overtopping) | 100 | 835 | 120 | 120 | 796.87 | 1.22 | 1.16 | 798.09 | 798.03 | |
| | 500 | 1081 | 120 | 120 | 797.14 | 2.08 | 2.17 | 799.22 | 799.31 | |

10-Year velocity through Existing structure = 5.0 fps
10-Year velocity through Proposed structure = 3.5 fps



LOCATION SKETCH

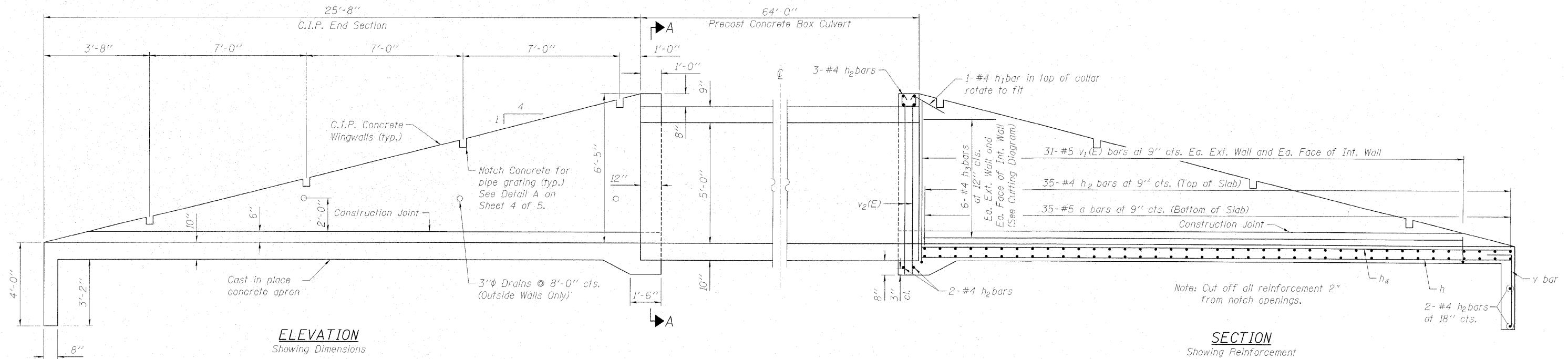


Kristen Fields 11-24-00
Date Signed:
Exp. Date: 11-30-08

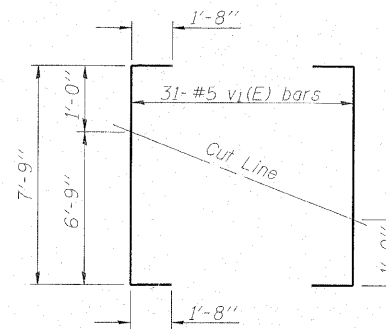
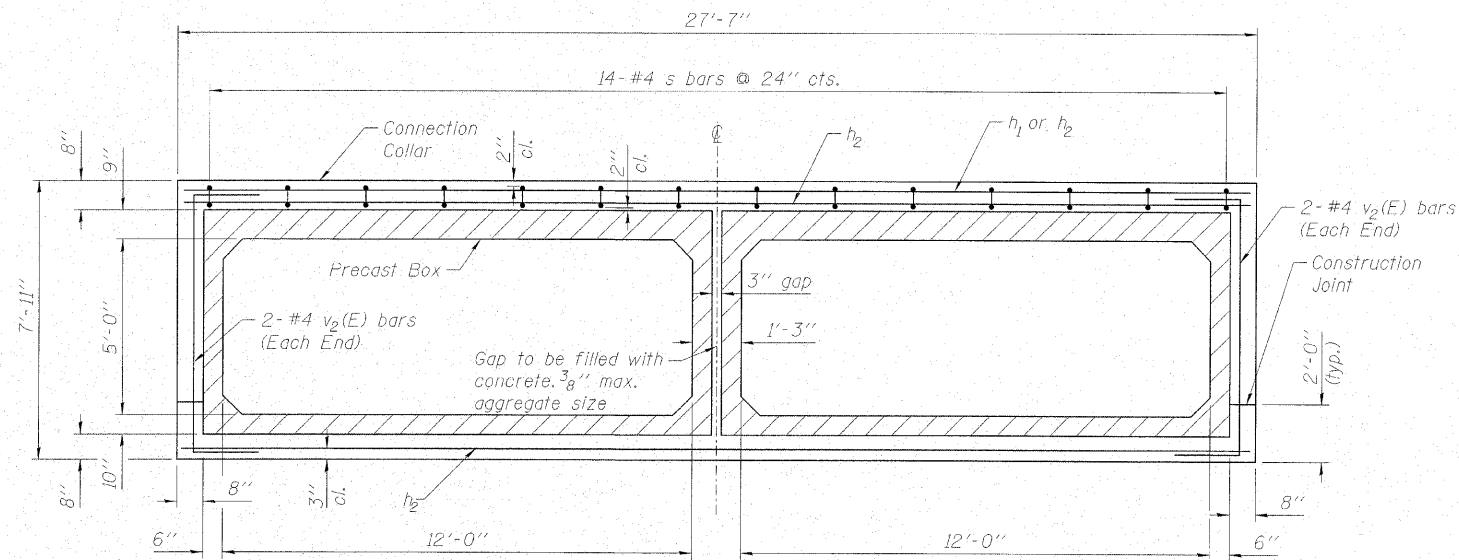


| | |
|------------|-----|
| DESIGNED - | BAB |
| CHECKED - | KEF |
| DRAWN - | LAD |
| CHECKED - | GBM |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

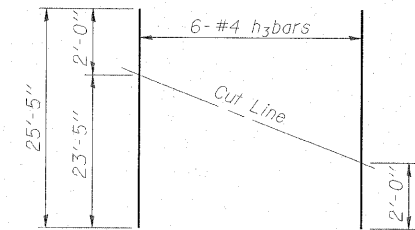


LONGITUDINAL SECTION
Looking North @ ϕ of box



FIELD CUTTING DIAGRAM

Order $v_1(E)$ bars full length. Cut to fit according to Field Cutting Diagrams shown above. Use remainder of bars in opposite wingwall.



FIELD CUTTING DIAGRAM

Order h_3 bars full length. Cut to fit according to Field Cutting Diagrams shown above. Use remainder of bars in opposite wingwall or in opposite face of center apron wall.



| | |
|------------|-----|
| DESIGNED - | BAB |
| CHECKED - | KEF |
| DRAWN - | LAD |
| CHECKED - | GBM |

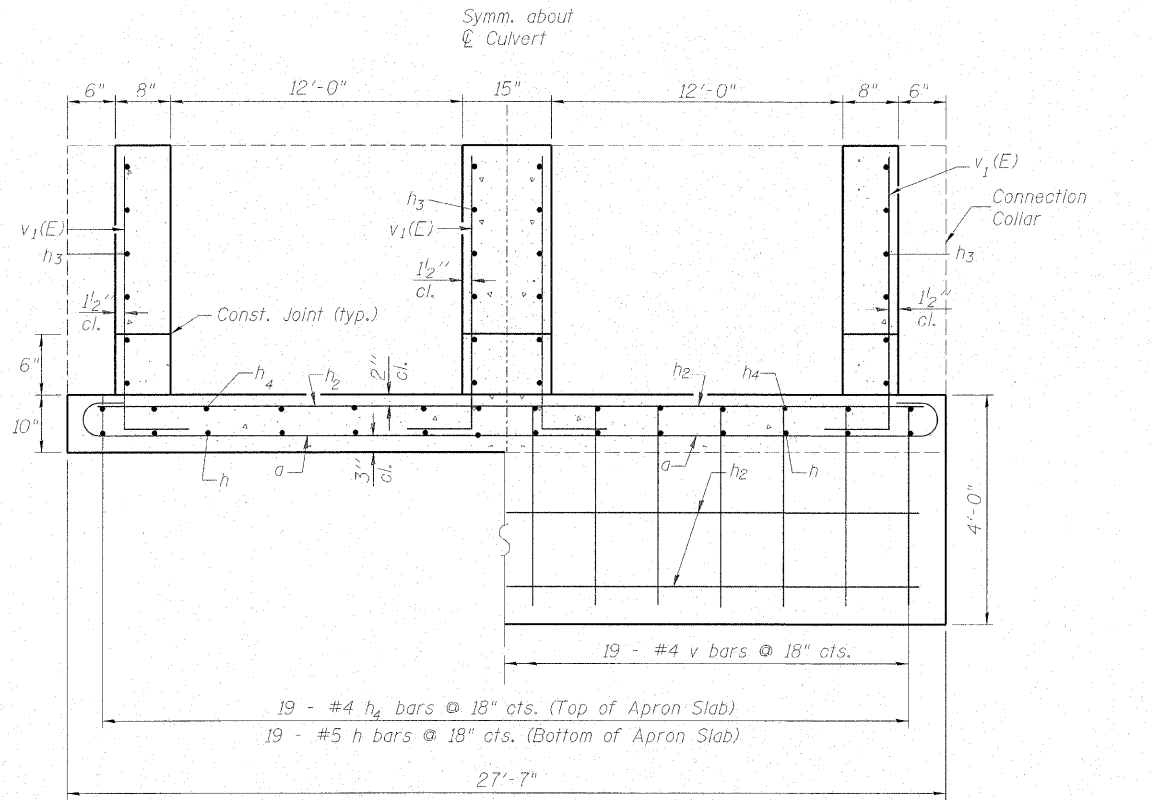
SECTION A-A THRU PRECAST BOX and C.I.P. COLLAR

CULVERT DETAILS

IL. RTE. 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK

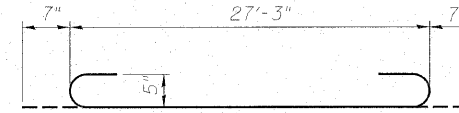
| SHEET NO. | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|-------------|---------------------------|--------|--------------------|-----------|
| 2 | 1042 | 107T-1 | OGLE | 53 | 27 |
| 5 SHEETS | | STRUCTURE NO. 071-2027 | | CONTRACT NO. 64B09 | |
| FED. ROAD DIST. NO. - | | ILLINOIS FED. AID PROJECT | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

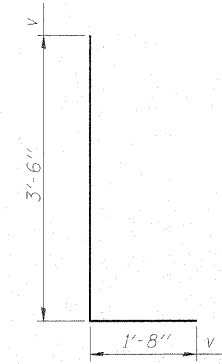


SECTION THRU APRON

HALF END SECTION AT APRON



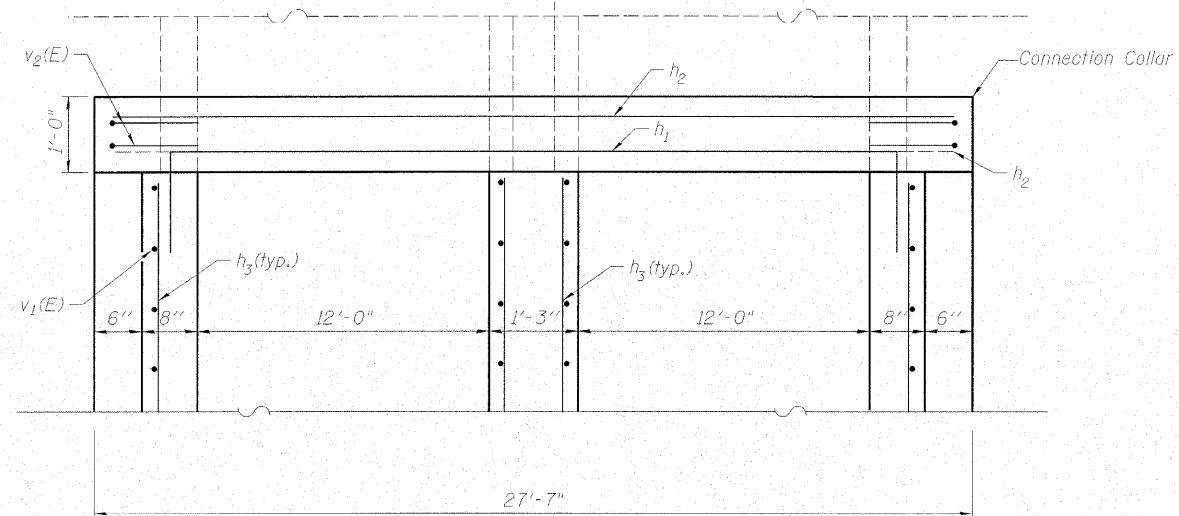
BAR a



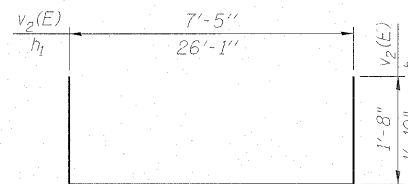
BAR v

BILL OF MATERIAL

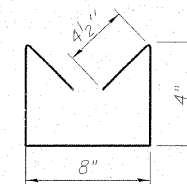
| Bar | No. | Size | Length | Shape |
|----------------------------------|---------|------|--------|-------|
| a | 70 | #5 | 28'-5" | U |
| h | 38 | #5 | 24'-4" | — |
| h1 | 2 | #4 | 29'-9" | U |
| h2 | 84 | #4 | 27'-1" | — |
| h3 | 24 | #4 | 25'-5" | — |
| h4 | 38 | #4 | 24'-4" | — |
| v | 38 | #4 | 5'-2" | L |
| v1(E) | 124 | #5 | 11'-1" | U |
| v2(E) | 8 | #4 | 10'-9" | U |
| s | 28 | #4 | 2'-1" | ∇ |
| Concrete Box Culverts | Cu. Yd. | | 72.8 | |
| Reinforcement Bars | Pound | | 5800 | |
| Reinforcement Bars, Epoxy Coated | Pound | | 1490 | |



PLAN VIEW AT CONNECTION TO PRECAST BOX



BAR v2(E) & h1



BAR s

NOTES

1. Reinforcement Bars shall conform to the requirements of ASTM A706, Grade 60.
2. All construction joints shall be bonded.
3. The contract unit price per Cu. Yd. for Concrete Box Culverts shall include the Bolts, Nuts, Washers, Steel Plates, Earth Excavation and Backfilling as required.



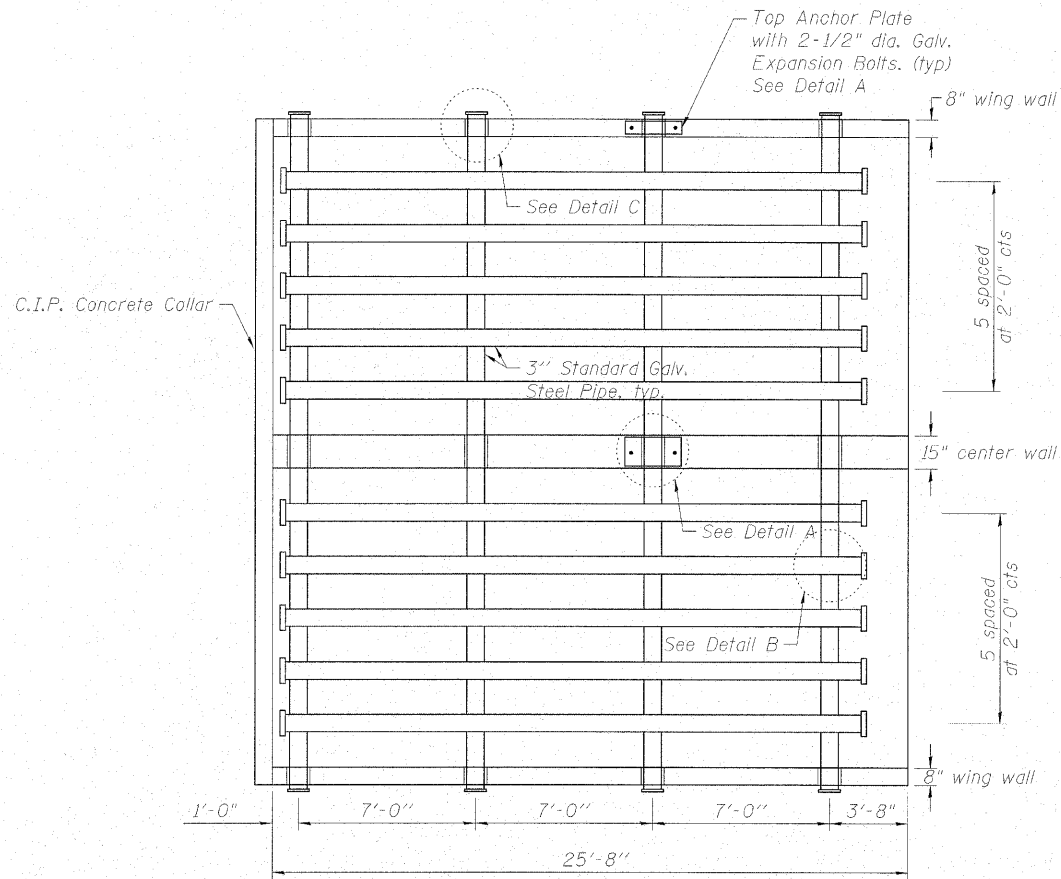
| |
|----------------|
| DESIGNED - BAB |
| CHECKED - KEF |
| DRAWN - LAD |
| CHECKED - GBM |

CULVERT DETAILS

IL. RTE. 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK

| | | | | | |
|-------------|---|---------|--------------------|--------------|-----------|
| SHEET NO. 3 | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 1042 | 107T-1 | OGLE | 53 | 28 |
| 5 SHEETS | STRUCTURE NO. 071-2027 | | CONTRACT NO. 64B09 | | |
| | FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT | | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



GRATING NOTES

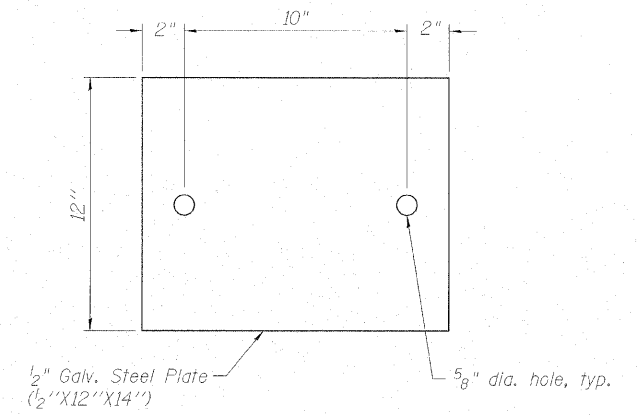
Grating shall include the pipes, plates, pipe caps, and expansion bolts as shown for one end section and shall be included in the contract unit price per Cu. Yd. for Concrete Box Culverts.

Steel pipes shall conform to ASTM A53, Grade B, Schedule 40, and shall be galvanized conforming to ASTM A120.

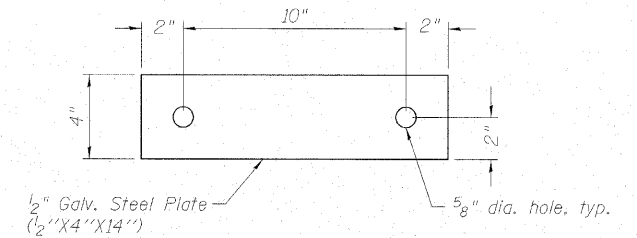
Steel plates shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.

Bolts, nuts, and washers shall be in accordance with Article 1006.08 of the Standard Specifications and shall be galvanized.

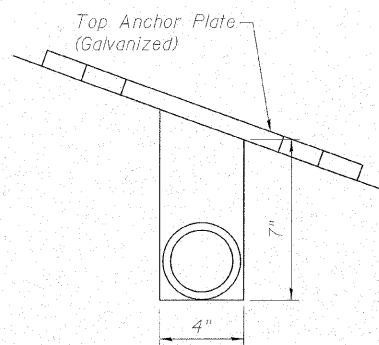
Contractor shall provide galvanizing for holes, threads, ect. for field-fabricated grate assembly.



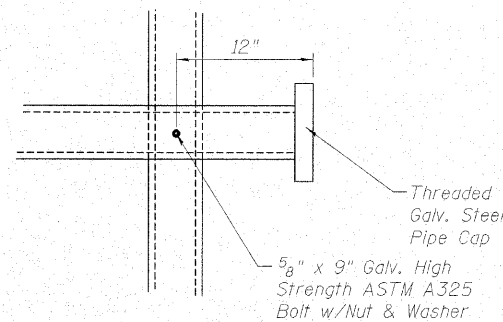
TOP ANCHOR PLATE @ CENTERWALL



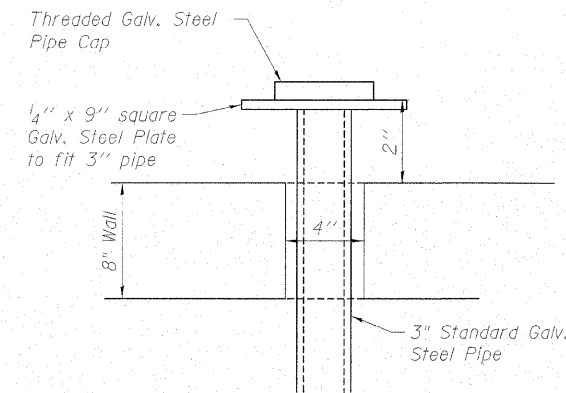
TOP ANCHOR PLATE @ WINGWALLS



DETAIL A



DETAIL B



DETAIL C (TYP. PIPE END)

*****GRATING BILL OF MATERIAL
EACH END SECTION**

| Item | No. | Length | Unit | Quantity |
|--|-----|---------|------|----------|
| 3" Std. Galv. Steel Pipe | 4 | 26'-11" | Foot | 107'-8" |
| 3" Std. Galv. Steel Pipe | 10 | 23'-8" | Foot | 236'-8" |
| Threaded Galv. Steel Pipe Caps | | | Each | 28 |
| 1/4"x9" Square Galv. Steel Plate | | | Each | 8 |
| 1/2"x4"x14" Galv. Steel Plate | | | Each | 8 |
| 1/2"x12"x14" Galv. Steel Plate | | | Each | 4 |
| 1/2" dia. Galv. Expansion Bolts | | | Each | 24 |
| 5/8" dia. x 9" Galv. High Strength Bolts | | | Each | 40 |

*** For information only.



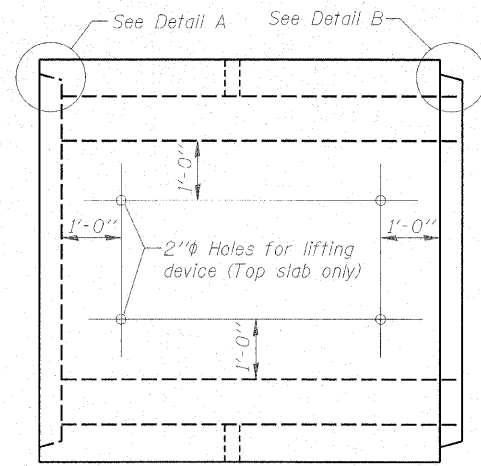
| |
|----------------|
| DESIGNED - BAB |
| CHECKED - KEF |
| DRAWN - LAD |
| CHECKED - GBM |

GRATE DETAILS

IL. RTE. 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK

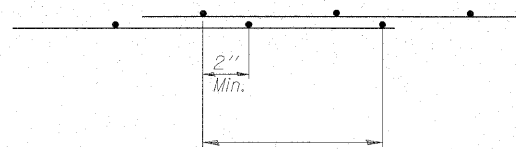
| | | | | | |
|---|-------------|--------------------|--------|--------------|-----------|
| SHEET NO. 4 5 SHEETS | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 1042 | 107T-1 | OGLE | 53 | 29 |
| STRUCTURE NO. 071-2027 | | CONTRACT NO. 64B09 | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

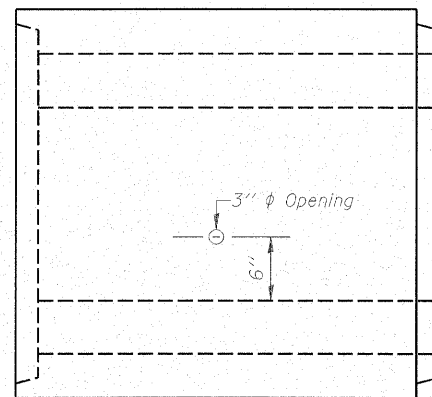


PLAN

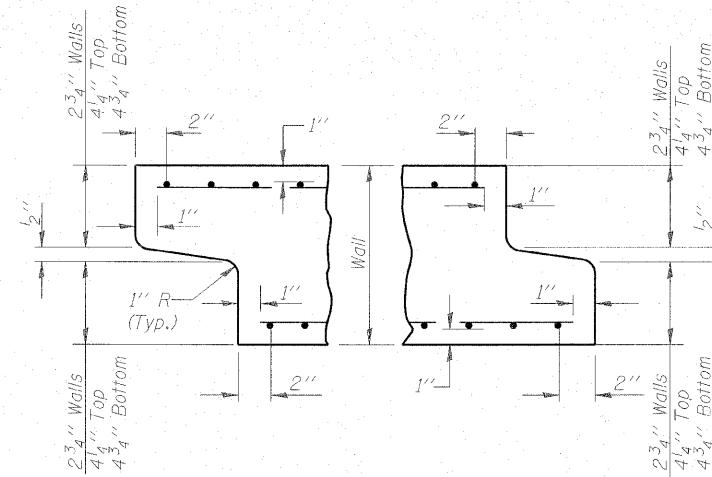
Location of lifting holes may be varied as needed to clear reinf.



TYP. FABRIC LAP

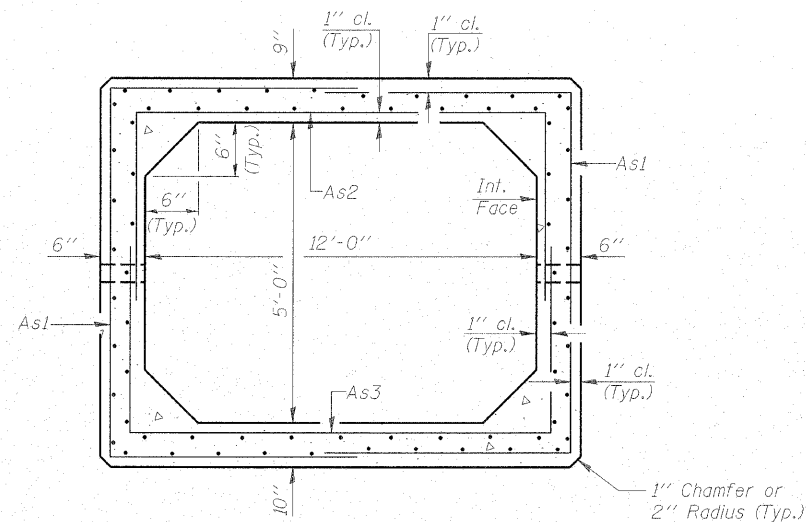


ELEVATION



DETAIL A (Typ. Inlet End)
DETAIL B (Typ. Outlet End)

Note: Inlet and outlet ends shall be compatible.



CROSS SECTION

GENERAL NOTES

Precast Concrete Box Culvert sections shall conform to the requirements of Article 540.06 of the Standard Specifications and the applicable requirements of AASHTO M 259.

The minimum concrete strength shall be 5,000 psi.

Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.

REQUIRED AASHTO STEEL AREAS (in²/ft.)

| | |
|-----------------|-------|
| A _{s1} | 0.600 |
| A _{s2} | 0.560 |
| A _{s3} | 0.470 |
| A _{s4} | |

REINFORCEMENT PROVIDED

AREA
(in²/ft.)

| | | | | | | |
|-----------------|---|---|---|---|---|--|
| A _{s1} | x | W | x | W | = | |
| A _{s2} | x | W | x | W | = | |
| A _{s3} | x | W | x | W | = | |
| A _{s4} | provided by A _{s2} and A _{s3} | | | | | |

BILL OF MATERIAL

| ITEM | UNIT | TOTAL |
|---|------|-------|
| Precast Concrete Box Culvert 12' x 5' (Special) | Ft. | 128 |



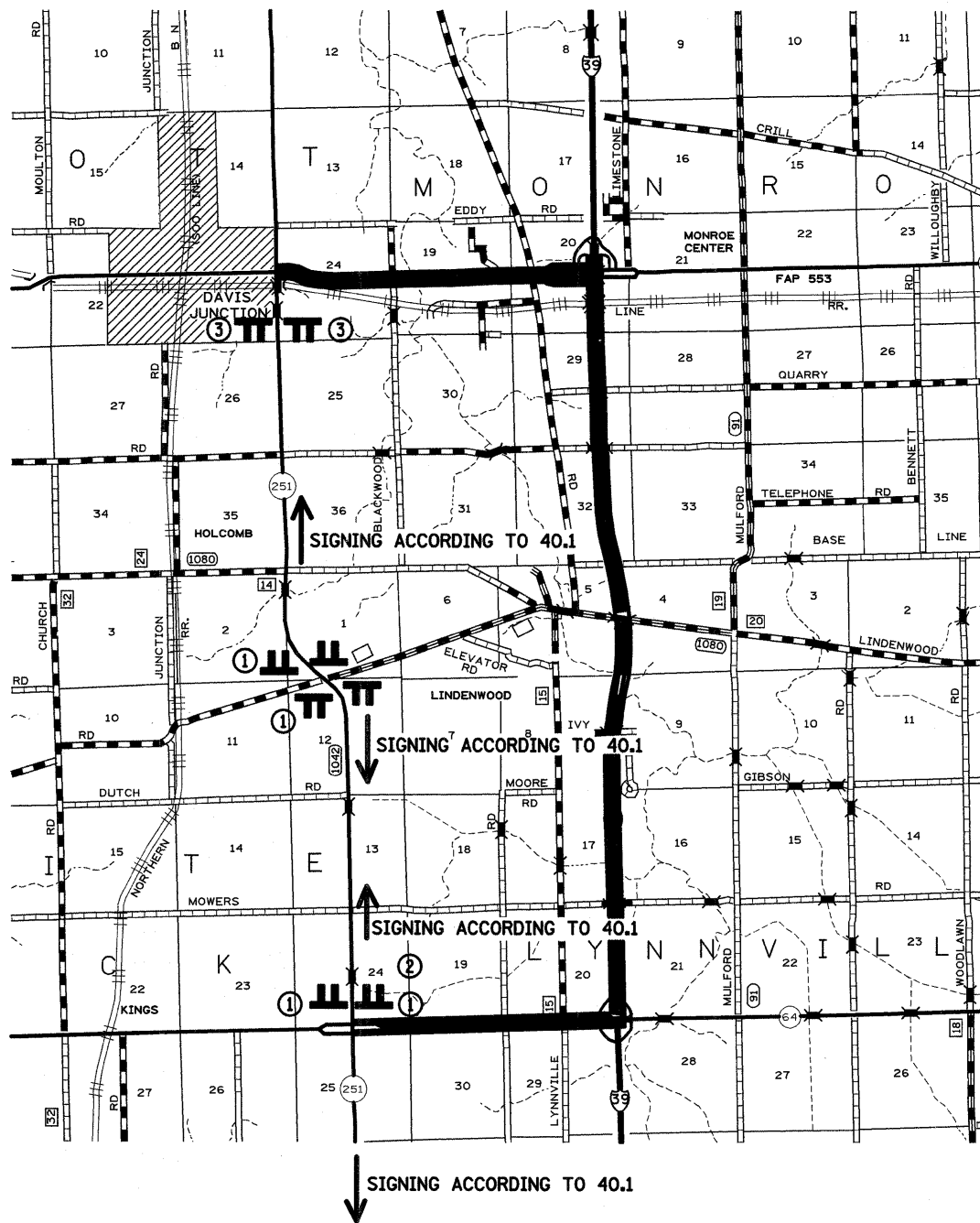
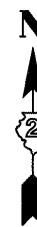
| | |
|------------|-----|
| DESIGNED - | BAB |
| CHECKED - | KEF |
| DRAWN - | LAD |
| CHECKED - | GBM |

**PRECAST CONCRETE BOX CULVERT
12'x5' (SPECIAL)**

IL. RTE. 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK

| | | | | | |
|---|-------------|---------|--------------------|--------------|-----------|
| SHEET NO. 5 5 SHEETS | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 1042 | 107T-1 | OGLE | 53 | 30 |
| STRUCTURE NO. 071-2027 | | | CONTRACT NO. 64B09 | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | |

DETOUR ROUTE



- LEGEND**
- DETOUR ROUTE
 - TYPE III BARRICADES WITH FLASHERS STAGGERED AS SHOWN IN STANDARD 701901.
 - DEVICES AT SHAW RD. / CHICAGO RD. SHALL ONLY BE REQUIRED IN THE DIRECTION OF THE CLOSURE.
 - THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LUMP SUM FOR TRAFFIC CONTROL FOR ROAD CLOSURE.
 - ① ROAD CLOSED TO THRU TRAFFIC R11-3b(6030)
 - ② ROAD CLOSED
 - ③ ROAD CLOSED X MILES AHEAD LOCAL TRAFFIC ONLY

| | | | |
|--|-----------------------|------------|-----------|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - |
| at:\pw\work\pwsdot\cushmanbw\dms37201\105sp1.dgn | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR ROUTE

SCALE: SHEET NO. OF SHEETS STA. TO STA.

| | | | | |
|---------------------|---------|---------------------------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1042 | 107T-1 | OGLE | 53 | 31 |
| CONTRACT NO. 64B09 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

BORING LOGS



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1
Date 9/20/06

ROUTE FAS 1042 DESCRIPTION P92-012-07 Box culvert on IL 251, .3 m. N. of IL 64 LOGGED BY W. Garza

SECTION 107 T-2 LOCATION . SEC., TWP., RNG.


COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

| STRUCT. NO. | D | B | U | M | Surface Water Elev. | ft |
|----------------------------|----|------|-------|-------|---------------------|---------------------------|
| 071-1092 | | | | | | |
| Station 521+89 | E | L | C | O | Stream Bed Elev. | 90.50 |
| | P | O | S | I | | |
| BORING NO. B-1 | T | W | S | T | Groundwater Elev.: | |
| Station 522+06 | H | S | Qu | T | First Encounter | |
| Offset 16.00R Lt CL | | | | | Upon Completion | |
| Ground Surface Elev. 99.00 | ft | (ft) | (/6") | (tsf) | (%) | After _____ Hrs. _____ ft |

| Soil Description | Depth (ft) | U (ft) | M (%) |
|------------------------------------|------------|--------|-------|
| Shoulder | | | |
| MEDIUM dark brown SILTY CLAY LOAM | 0.6 | 27.0 | P |
| MEDIUM dark gray SILTY CLAY | 2 | | |
| | 2 | 0.8 | 31.0 |
| | 5 | P | |
| SOFT dark brown SILTY CLAY | 1 | | |
| | 1 | 0.4 | 36.0 |
| | 3 | P | |
| STIFF black SILTY LOAM | 1 | | |
| | 2 | 1.1 | 35.0 |
| | 4 | B | |
| VERY DENSE tan weathered LIMESTONE | 100/4" | | |
| Auger Refusal at 10.5' | | | |
| End of Boring | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1
Date 9/20/06

ROUTE FAS 1042 DESCRIPTION P92-012-07 Box culvert on IL 251, .3 m. N. of IL 64 LOGGED BY W. Garza

SECTION 107 T-2 LOCATION . SEC., TWP., RNG.

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

| STRUCT. NO. | D | B | U | M | Surface Water Elev. | ft |
|----------------------------|----|------|-------|-------|---------------------|---------------------------|
| 071-1092 | | | | | | |
| Station | E | L | C | O | Stream Bed Elev. | 90.50 |
| | P | O | S | I | | |
| BORING NO. B-2 | T | W | S | T | Groundwater Elev.: | |
| Station 522+51 | H | S | Qu | T | First Encounter | |
| Offset 45.00R Rt CL | | | | | Upon Completion | |
| Ground Surface Elev. 92.20 | ft | (ft) | (/6") | (tsf) | (%) | After _____ Hrs. _____ ft |

| Soil Description | Depth (ft) | U (ft) | M (%) |
|------------------------------------|------------|--------|-------|
| MEDIUM brown SILTY CLAY LOAM | | 0.5 | 25.0 |
| | 90.20 | P | |
| MEDIUM tan weathered LIMESTONE | 2 | | |
| | 3 | | |
| | 18 | | |
| VERY DENSE tan weathered LIMESTONE | 100/5" | | |
| End of Boring | 85.70 | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

Page 1 of 1

ROUTE IL 251 DESCRIPTION P92-071-05 Box Culvert, IL 251 over a ditch, 2.6 m. S. of IL 72 LOGGED BY W. Garza Date 11/4/05

SECTION _____ LOCATION White Rock Twp. - 2NE, SEC., TWP. 41N, RNG. 1E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 071-2001 Station 324+82
BORING NO. B-2 Station 324+57 Offset 15.00R Rt CL Ground Surface Elev. 99.50 ft
Surface Water Elev. Dry ft
Stream Bed Elev. 91.60 ft
Groundwater Elev.:
First Encounter 75.0 ft
Upon Completion 79.5 ft
After _____ Hrs.

| DEPTH (ft) | BLOW COUNT (blows/6") | UCS (tsf) | MOISTURE (%) | SOIL DESCRIPTION | DEPTH (ft) | BLOW COUNT (blows/6") | UCS (tsf) | MOISTURE (%) |
|------------|-----------------------|-----------|--------------|--|------------|-----------------------|-----------|--------------|
| 97.50 | 3 | 0.8 P | 22.0 | MEDIUM dark brown LOAM | 78.50 | 7 | 5.0 B | 18.0 |
| 96.00 | 5 | 1.3 P | 33.0 | STIFF dark brown SILTY CLAY LOAM | 75.50 | 2 | 0.6 B | 25.0 |
| 93.50 | 4 | 0.3 P | 43.0 | SOFT dark gray LOAM with 9% ORGANICS | 73.50 | 3 | | |
| 91.00 | 4 | 1.2 B | 28.0 | STIFF gray SILTY CLAY LOAM | 71.00 | 7 | | |
| 88.50 | 4 | 0.8 B | 25.0 | MEDIUM gray SILTY CLAY with fine SAND lens | 68.50 | 1 | | |
| 86.00 | 4 | 1.3 P | 18.0 | STIFF tan SILTY LOAM with fine SAND | 65.00 | | | |
| 83.50 | 6 | 1.5 S | 16.0 | STIFF olive-green SILTY LOAM TILL | | | | |
| 81.00 | 9 | 4.3 B | 14.0 | HARD gray SILTY CLAY TILL | | | | |
| | 4 | | | HARD gray SILTY CLAY TILL | | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1

ROUTE IL 251 DESCRIPTION P92-071-05 Box Culvert, IL 251 over ditch 2.6 m. S. of IL 72 LOGGED BY W. Garza Date 11/4/05

SECTION _____ LOCATION White Rock Twp. - 2NE, SEC., TWP. 41N, RNG. 1E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 071-2001 Station 324+82
BORING NO. B-1 Station 325+14 Offset 56.00R Lt CL Ground Surface Elev. 95.00 ft
Surface Water Elev. Dry ft
Stream Bed Elev. 91.60 ft
Groundwater Elev.:
First Encounter 75.5 ft
Upon Completion 75.0 ft
After _____ Hrs.

| DEPTH (ft) | BLOW COUNT (blows/6") | UCS (tsf) | MOISTURE (%) | SOIL DESCRIPTION | DEPTH (ft) | BLOW COUNT (blows/6") | UCS (tsf) | MOISTURE (%) |
|------------|-----------------------|-----------|--------------|--|------------|-----------------------|-----------|--------------|
| 93.00 | 2 | 1.0 P | 14.0 | STIFF brown LOAM | 74.00 | 2 | | |
| 91.50 | 3 | 1.8 P | 21.0 | STIFF brown LOAM | 71.50 | 3 | | |
| 89.00 | 3 | 0.9 B | 34.0 | MEDIUM gray SILTY CLAY LOAM | 69.00 | 1 | | |
| 86.50 | 2 | 0.8 P | 12.0 | MEDIUM gray tan SANDY LOAM | 66.50 | | | |
| 84.00 | 7 | 2.1 B | 16.0 | VERY STIFF olive-green SILTY CLAY TILL | 64.00 | | | |
| 81.50 | 7 | 3.5 B | 18.0 | VERY STIFF gray SILTY CLAY TILL | | | | |
| 79.00 | 10 | 3.5 B | 19.0 | VERY STIFF gray SILTY CLAY TILL with SILT lens at bottom | | | | |
| 76.00 | 3 | 0.2 B | 25.0 | SOFT gray SILT | | | | |
| | 2 | | | VERY LOOSE gray fine SAND | | | | |

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



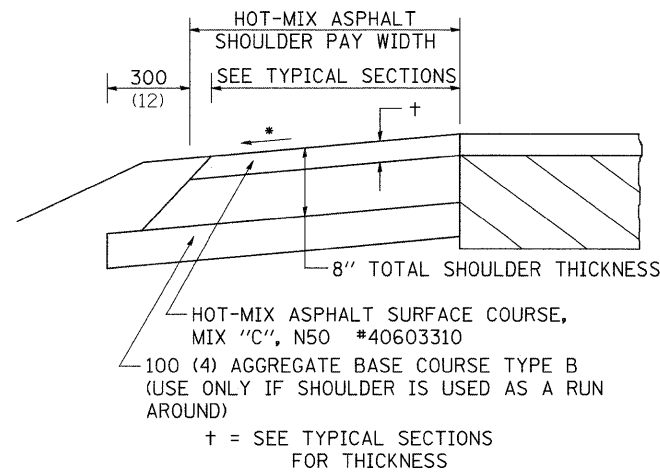
DESIGNED - BAB
CHECKED - KEF
DRAWN - LAD
CHECKED - GBM

SOIL BORINGS

IL. RTE. 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK

| | | | | | |
|---------------------|------------------------|---------------------------|--------------------|-----------------|--------------|
| SHEET NO. 6 | F.A.S. RTE. 1042 | SECTION 107T-1 | COUNTY OGLE | TOTAL SHEETS 53 | SHEET NO. 33 |
| 6 SHEETS | STRUCTURE NO. 071-2027 | | CONTRACT NO. 64B09 | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | | |

HOT-MIX ASPHALT SHOULDER



GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310.

REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

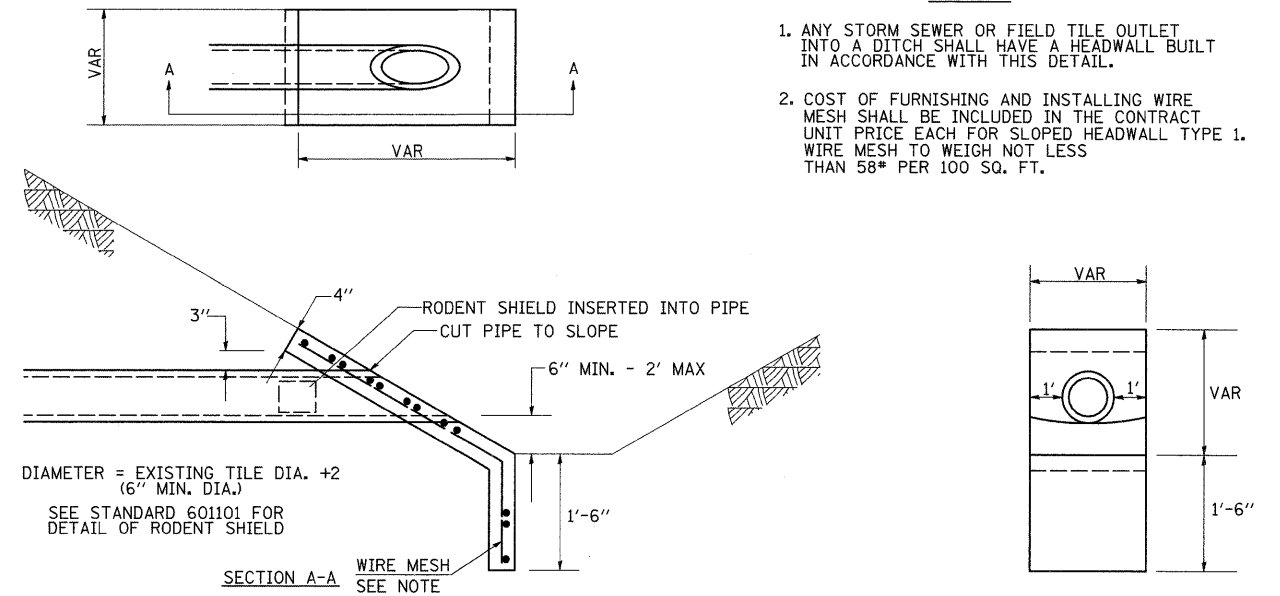
* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

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

REVISED - 11-01-07

HOT-MIX ASPHALT SHOULDER 23.4a

SLOPED HEADWALL TYPE 1 FOR FIELD TILE OUTLETS



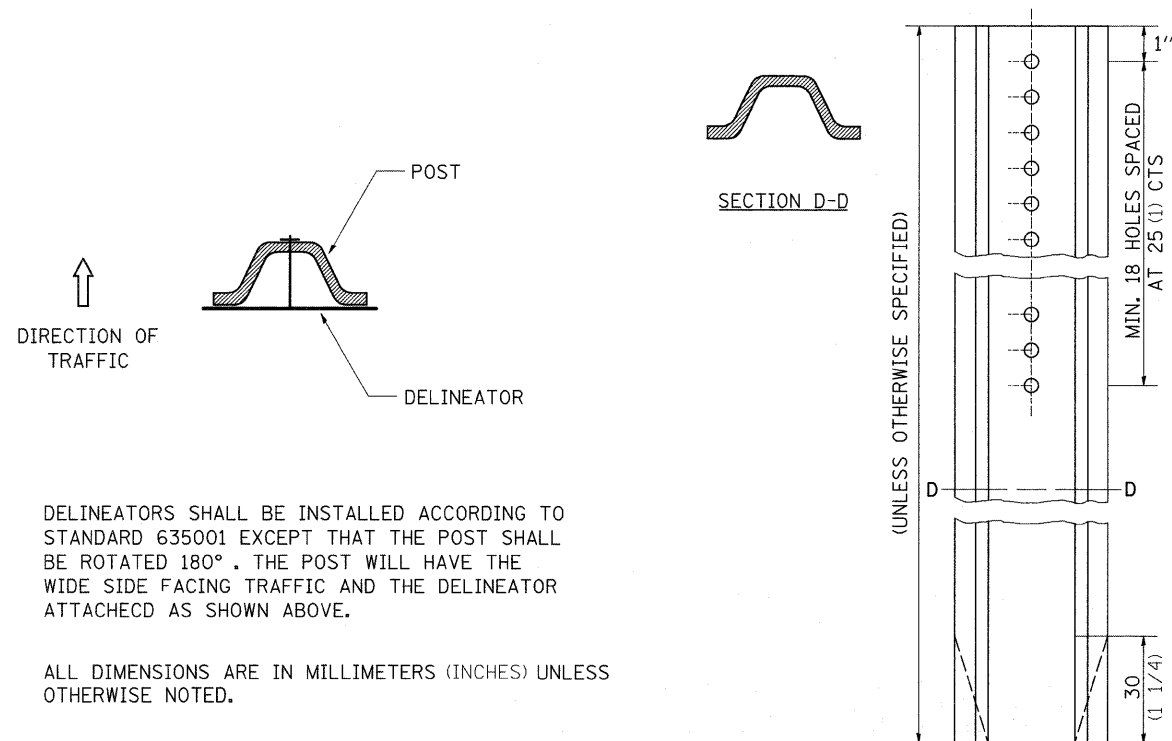
NOTES

1. ANY STORM SEWER OR FIELD TILE OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE EACH FOR SLOPED HEADWALL TYPE 1. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.

REVISED - 10-21-08

SLOPED HEADWALL TYPE 1 FOR FIELD TILE OUTLETS 28.4

DELINEATOR AND POST ORIENTATION



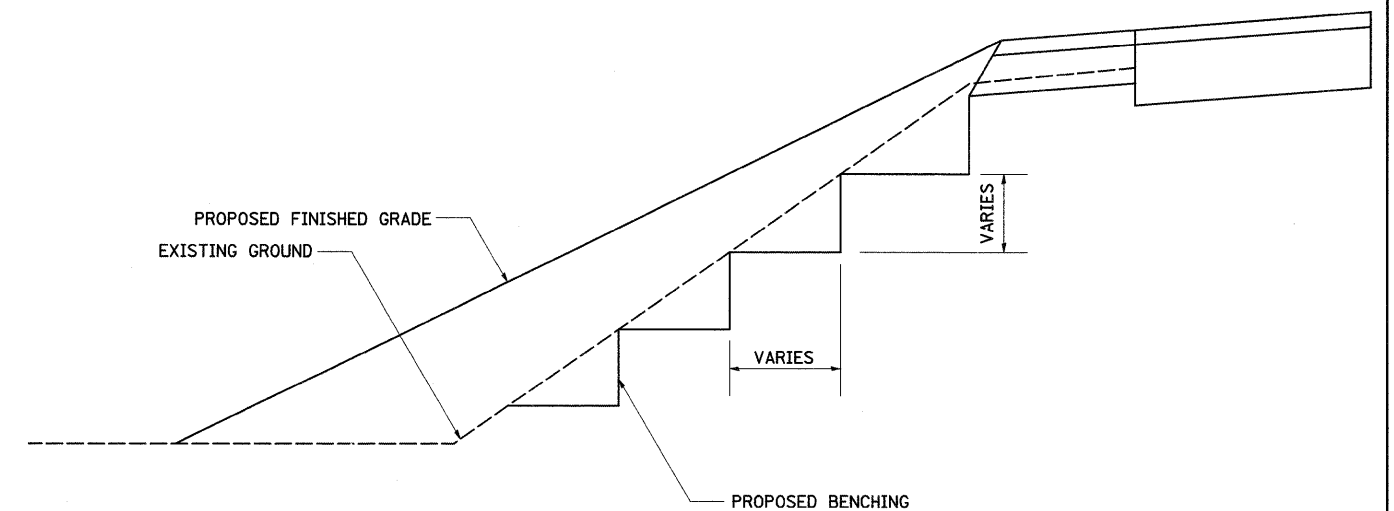
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

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

REVISED - 11-01-07

DELINEATOR AND POST ORIENTATION 37.4

TYPICAL BENCHING ON EXISTING EMBANKMENT



| | | | | | | | | |
|-------------------|---------------------------------------|--|---|---------|---|--------------|-----------|--|
| REVISED - 2-22-06 | REGION 2 / DISTRICT 2 STANDARD | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| REVISED - | | | 1042 | 107T-1 | OGLE | 53 | 34 | |
| REVISED - | | | CONTRACT NO. 64B09 | | | | | |
| REVISED - | | | SCALE: 50.0000' / 1" SHEET NO. OF SHEETS STA. TO STA. | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | |

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

LETTERING FOR NAME PLATE

STATION
 BUILT 2009 BY
 STATE OF ILLINOIS
 FAS RTE. 1042 SEC. 107T-1
 FA PROJECT
 LOADING HS 20
 STR. NO.

SEE STD. 515001

| STATION | STRUCTURE NO. |
|----------|---------------|
| 448+61 | 071-1147 |
| 642+04.8 | 071-2027 |
| | |
| | |
| | |
| | |
| | |

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

REVISED - 11-01-07

LETTERING FOR NAME PLATE 89.4

TREE REPLACEMENT SCHEDULE

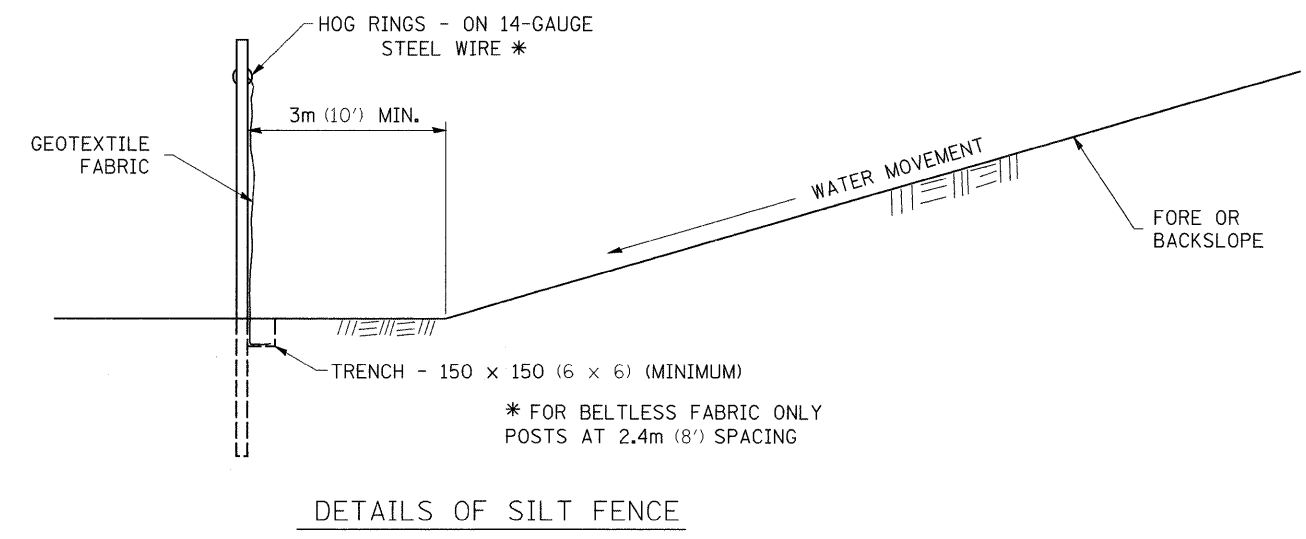
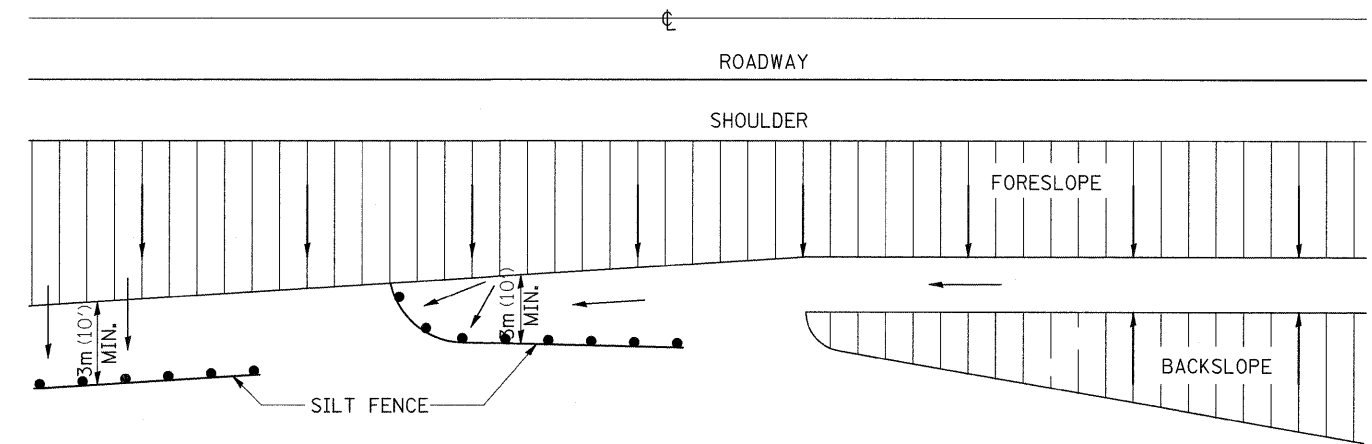
| CODE NUMBER | SCIENTIFIC NAME | COMMON NAME | SIZE | UNIT | QUANTITY |
|-------------|--------------------|-----------------|-----------------------------------|------|----------|
| A2006514 | QUERCUS MACROCARPA | SWAMP WHITE OAK | 1-3/4" CALIPER BALLED & BURLAPPED | EACH | 39 |
| | | | | | |
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ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 8-10-05

TREE REPLACEMENT SCHEDULE 90.4

EROSION CONTROL DETAILS FOR SILT FENCE



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

REVISED - 10-22-01

REGION 2 / DISTRICT 2 STANDARD

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------|--------|--------------|-----------|
| 1042 | 107T-1 | OGLE | 53 | 35 |

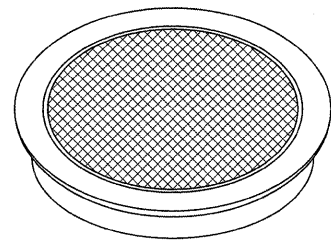
SCALE: 50.0000' / IN SHEET NO. OF SHEETS STA. TO STA.

CONTRACT NO. 64B09

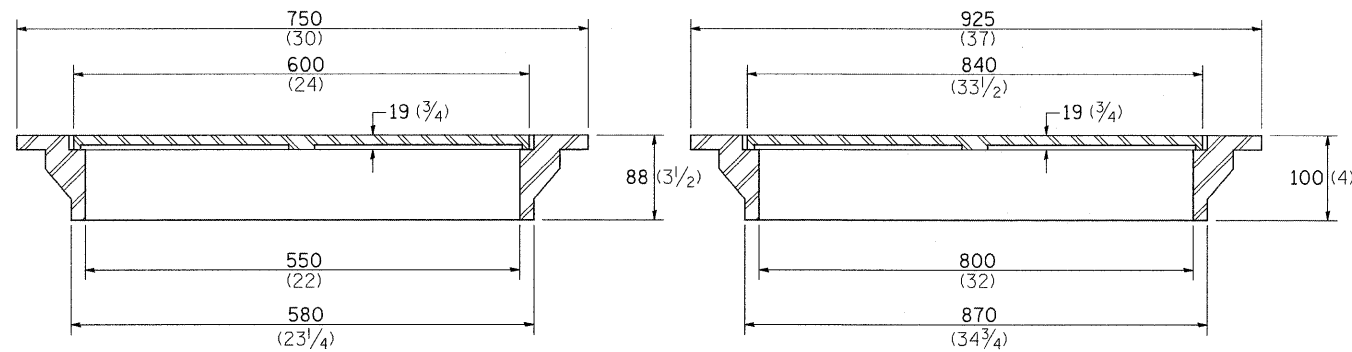
EROSION CONTROL DETAILS FOR SILT FENCE 29.2

FIELD TILE JUNCTION VAULTS 600 (24) AND 900 (36) DIA.

FRAME & LID FOR
600 (24) VAULT

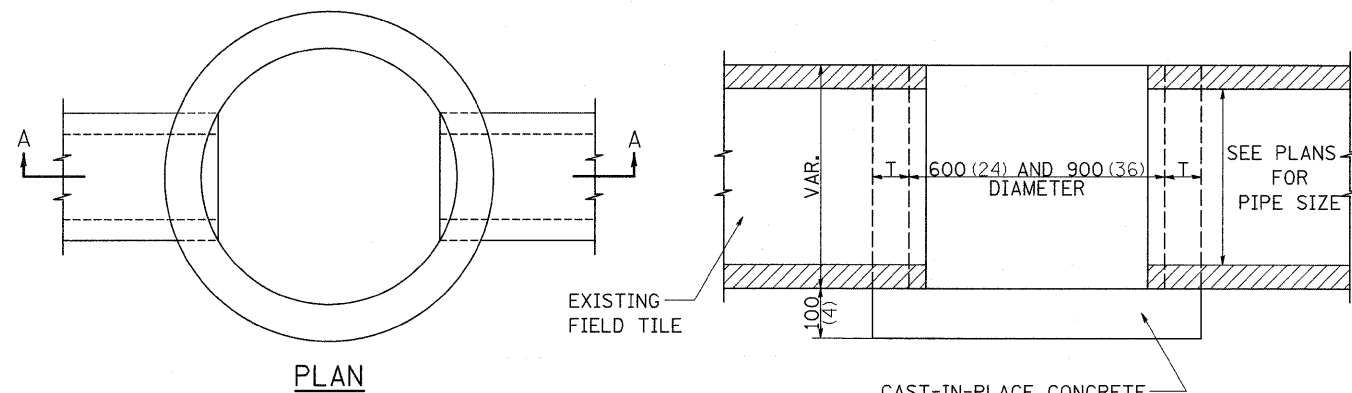


FRAME & LID FOR
900 (36) VAULT



TOTAL WEIGHT: 66 Kg (146 lbs)

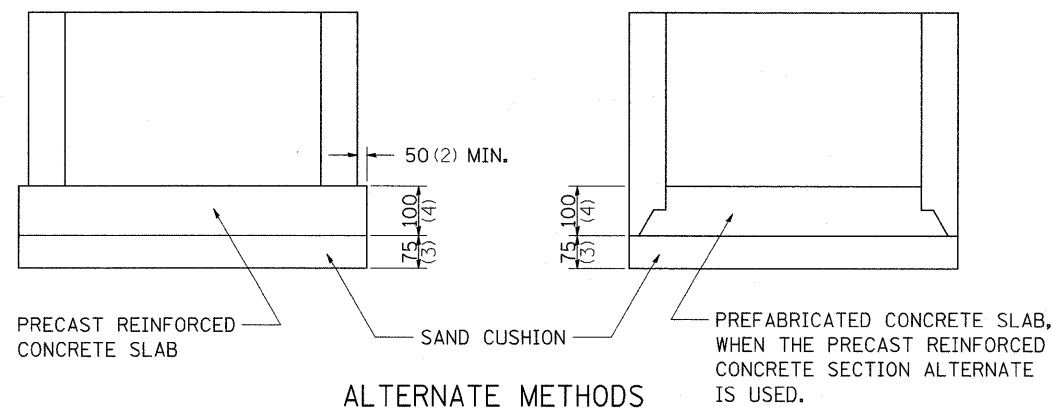
TOTAL WEIGHT: 127 Kg (280 lbs)



| ALTERNATE MATERIALS FOR WALLS | T |
|-------------------------------------|---------|
| BRICK MASONRY | 200 (8) |
| CAST-IN-PLACE CONCRETE | 150 (6) |
| CONCRETE MASONRY UNIT | 125 (5) |
| PRECAST REINFORCED CONCRETE SECTION | 75 (3) |

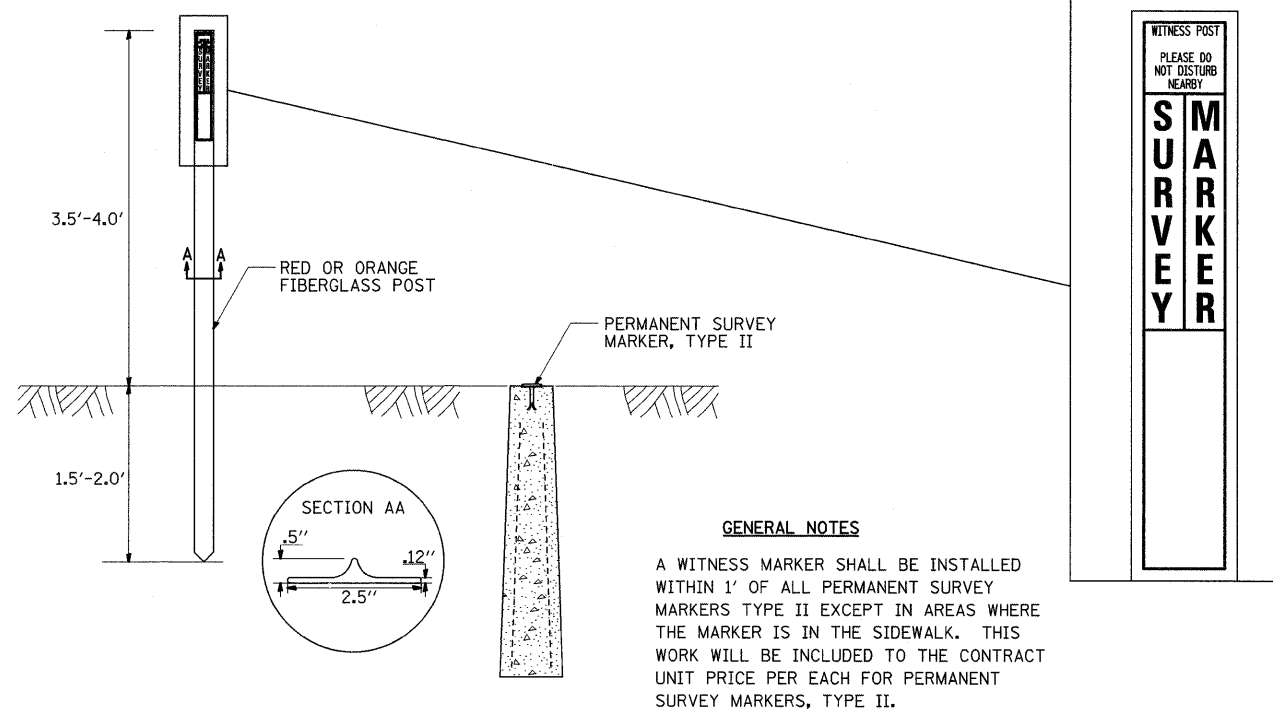
NOTE: THE FRAME AND LID IS REQUIRED ON ALL JUNCTION VAULTS.

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



5-03-94

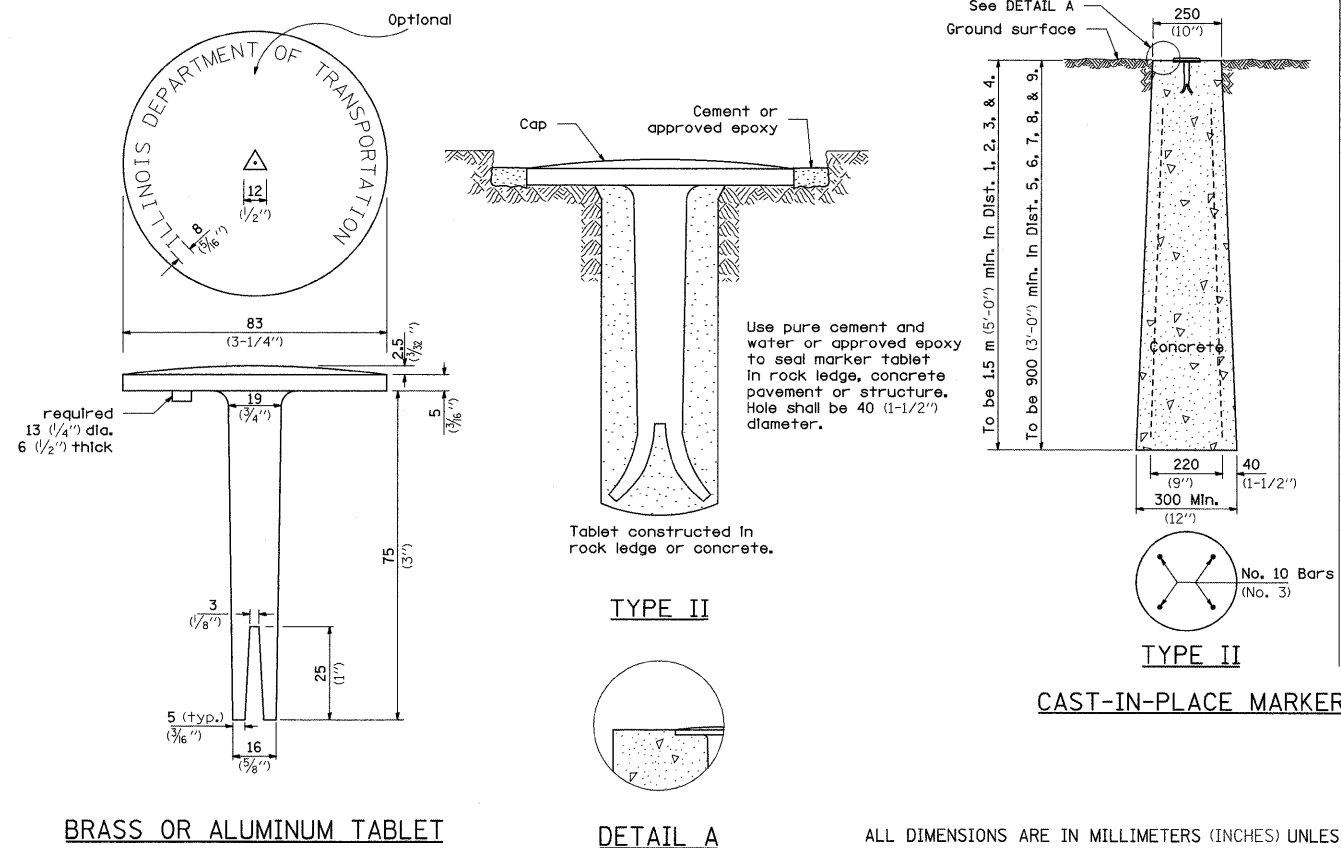
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

PERMANENT SURVEY MARKERS, TYPE II



BRASS OR ALUMINUM TABLET

DETAIL A

CAST-IN-PLACE MARKER

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

| |
|--------------------|
| REVISED - 10-21-08 |
| REVISED - |
| REVISED - |
| REVISED - |

REGION 2 / DISTRICT 2 STANDARD

SCALE: 50:0000 / IN SHEET NO. OF SHEETS STA. TO STA.

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|---------|---------------------------|--------------|-----------|
| 1042 | 107T-1 | OGLE | 53 | 36 |
| CONTRACT NO. 64B09 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

PLOT DATE = Mon Dec 01 10:48:09 2008

STORM WATER POLLUTION PREVENTION PLAN

EROSION CONTROL PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME; THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSISTS OF REMOVAL AND REPLACEMENT OF 2 CULVERTS

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:

THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 1.9 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) 0.26 ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 1.5 ACRES

SUPPORTING REPORTS AND PLANS

THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS
USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE

KILBUCK CREEK

ROCK RIVER

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES

STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:

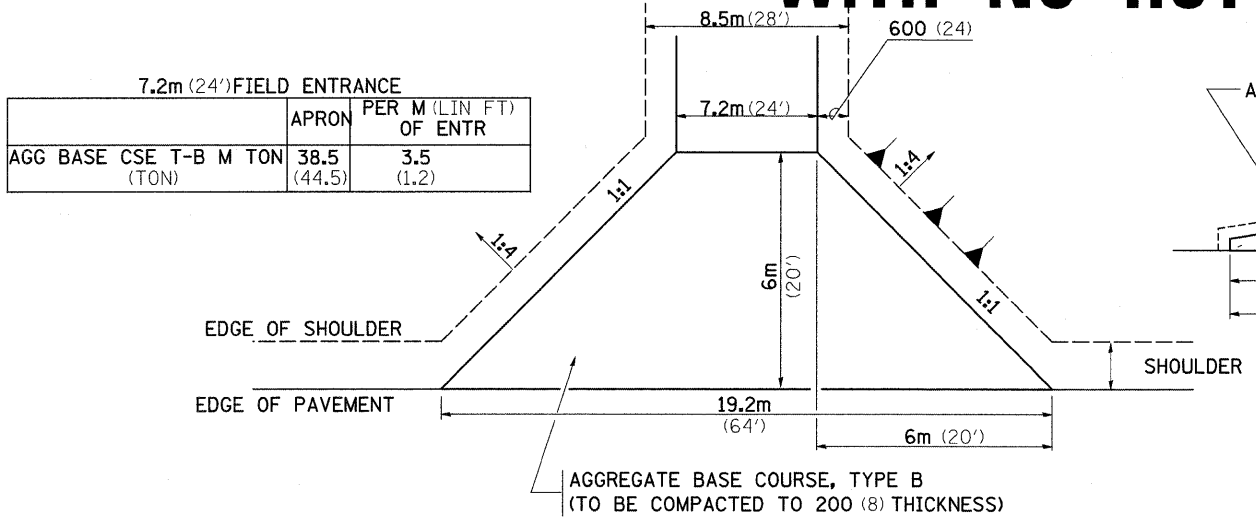
AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

MAINTENANCE AFTER FINAL GRADING

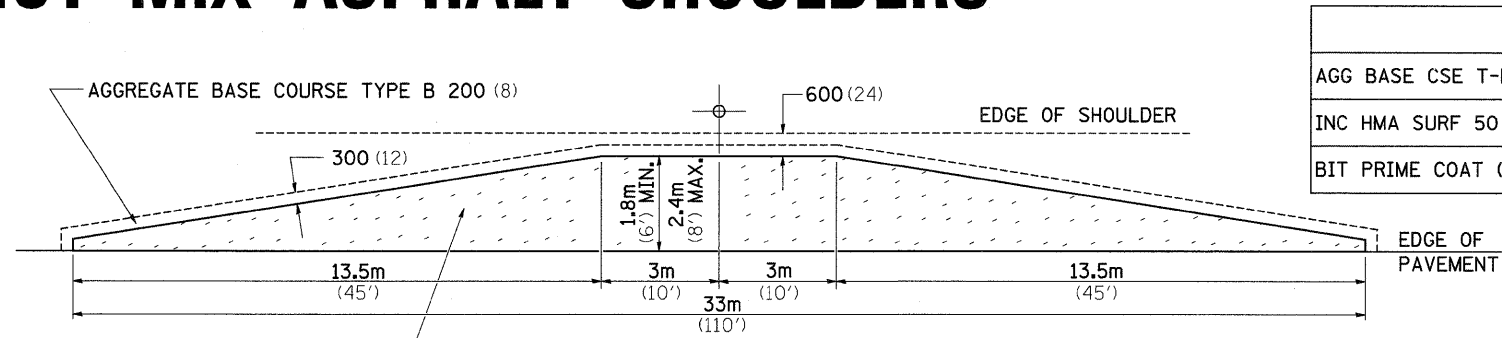
TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDED.

| | | | | | | | | | | | |
|--|-----------------------|------------|-------------------|---|---------------------------------------|--------------------|--------------|--------|-----------------|--------------|---------------------|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - 5-12-04 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | REGION 2 / DISTRICT 2 STANDARD | F.A.S RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| ca\pw_work\pw\dot\cushmanbw\dms37201\d07105apl.dgn | | DRAWN - | REVISED - | | | 1042 | 107T-1 | OGLE | 53 | 37 | |
| PLOT SCALE = 50.0000' / IN. | | CHECKED - | REVISED - | | | CONTRACT NO. 64B09 | | | | | |
| PLOT DATE = Mon Dec 01 10:48:10 2008 | | DATE - | REVISED - | | | SCALE: | SHEET NO. OF | SHEETS | STA. | TO STA. | FED. ROAD DIST. NO. |

ENTRANCES, SIDE ROADS, AND MAILBOX RETURNS WITH NO HOT-MIX ASPHALT SHOULDERS



| 7.2m (24') FIELD ENTRANCE | | |
|---------------------------|-------------|------------------------|
| | APRON | PER M (LIN FT) OF ENTR |
| AGG BASE CSE T-B M (TON) | 38.5 (44.5) | 3.5 (1.2) |



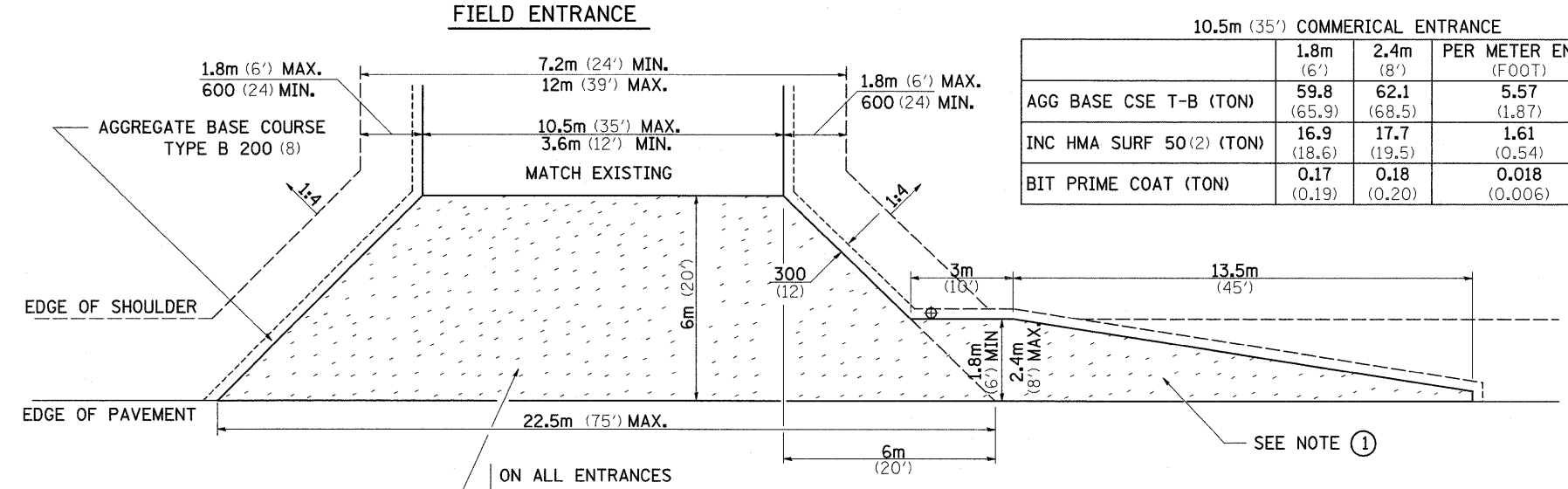
ON ALL ENTRANCES
AGGREGATE BASE COURSE TYPE B 200 (8)
INCIDENTAL HOT-MIX ASPHALT SURFACING 50 (2)

MAILBOX TURNOUT

| | | |
|---------------------------|-------------|-------------|
| | 1.8m (6') | 2.4m (8') |
| AGG BASE CSE T-B (TON) | 22.2 (24.5) | 28.2 (31.1) |
| INC HMA SURF 50 (2) (TON) | 5.3 (5.8) | 7.1 (7.8) |
| BIT PRIME COAT (TON) | 0.05 (0.06) | 0.07 (0.08) |

NOTE

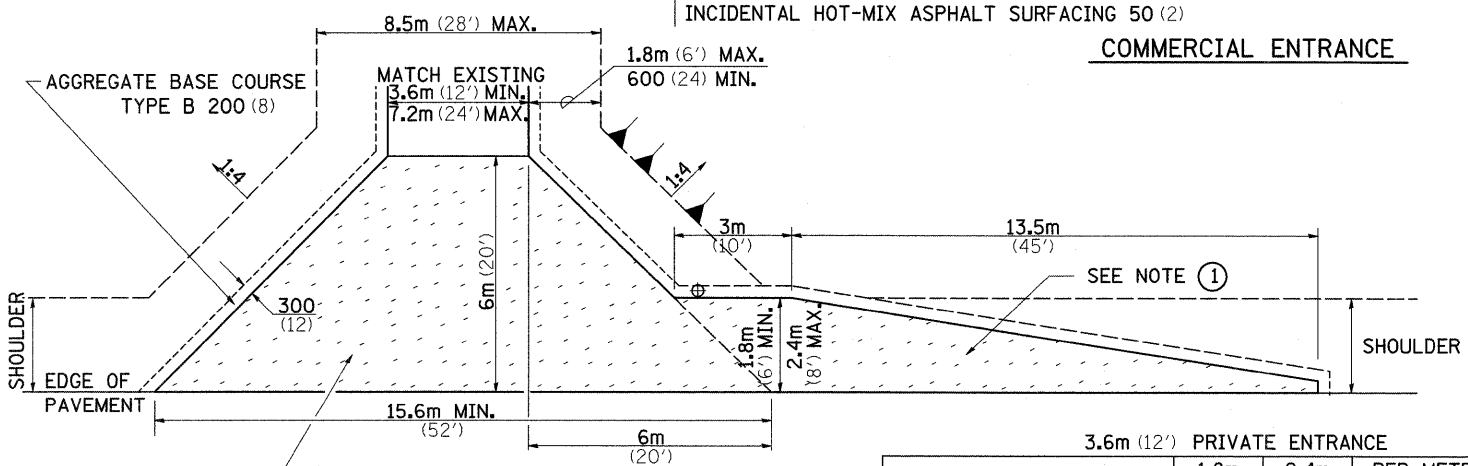
- ① TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
- ② ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
- ③ FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICH EVER IS GREATEST.
- ④ QUANTITIES ARE CALCULATED WITH 1' BITUMINOUS SHOULDER IN PLACE. AGGREGATE QUANTITIES SHOWN ARE FOR NEW CONSTRUCTION.
- ⑤ EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE CONSIDERED INCLUDED TO THE AGGREGATE BASE COURSE.
- ⑥ ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



| 10.5m (35') COMMERCIAL ENTRANCE | | | |
|---------------------------------|-------------|-------------|-----------------------|
| | 1.8m (6') | 2.4m (8') | PER METER ENTR (FOOT) |
| AGG BASE CSE T-B (TON) | 59.8 (65.9) | 62.1 (68.5) | 5.57 (1.87) |
| INC HMA SURF 50 (2) (TON) | 16.9 (18.6) | 17.7 (19.5) | 1.61 (0.54) |
| BIT PRIME COAT (TON) | 0.17 (0.19) | 0.18 (0.20) | 0.018 (0.006) |

ON ALL ENTRANCES
AGGREGATE BASE COURSE TYPE B 200 (8)
INCIDENTAL HOT-MIX ASPHALT SURFACING 50 (2)

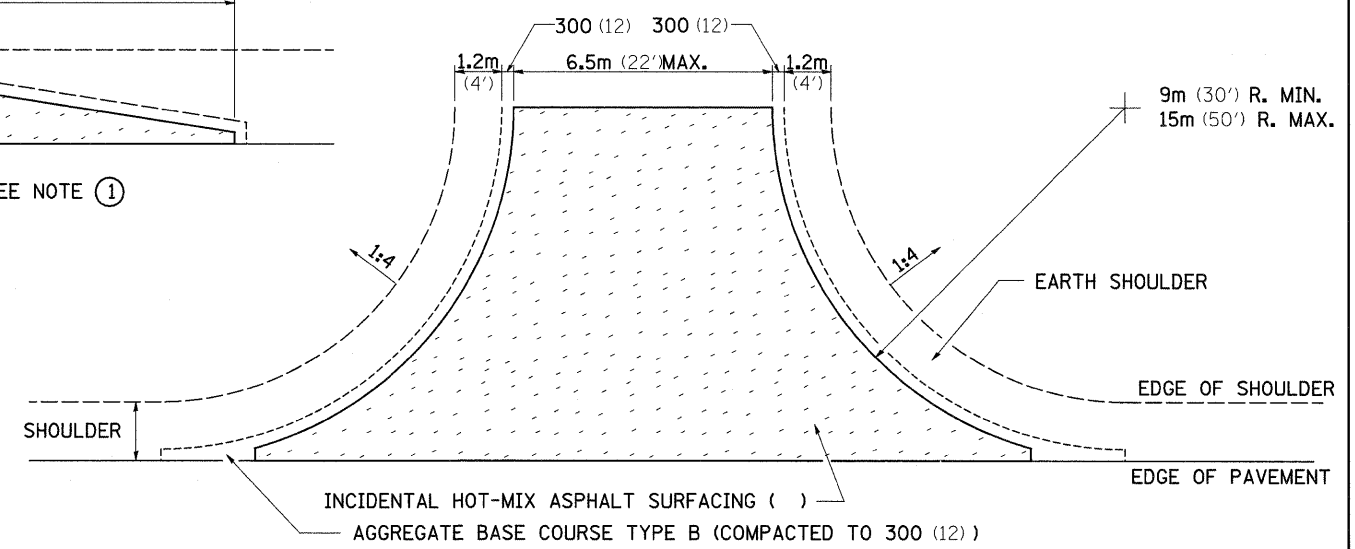
SEE NOTE ①



| 3.6m (12') PRIVATE ENTRANCE | | | |
|-----------------------------|-------------|-------------|-----------------------|
| | 1.8m (6') | 2.4m (8') | PER METER ENTR (FOOT) |
| AGG BASE CSE T-B (TON) | 39.7 (43.8) | 42.0 (46.3) | 2.11 (0.71) |
| INC HMA SURF 50 (2) (TON) | 10.7 (11.8) | 11.5 (12.7) | 0.57 (0.19) |
| BIT PRIME COAT (TON) | 0.11 (0.12) | 0.18 (0.13) | 0.006 (0.002) |

ON ALL ENTRANCES
AGGREGATE BASE COURSE TYPE B
(TO BE COMPACTED TO 200 (8) THICKNESS)
INCIDENTAL HOT-MIX ASPHALT SURFACING 50 (2)

PRIVATE ENTRANCE



SIDE ROAD RETURN

| | 9m RADIUS (30') | | | 12m RADIUS (40') | | | 15m RADIUS (50') | | |
|------------------------------|-----------------|-------------|-------------|------------------|---------------|---------------|------------------|---------------|---------------|
| | 5.5m (18') | 6m (20') | 6.5m (22') | 5.5m (18') | 6m (20') | 6.5m (22') | 5.5m (18') | 6m (20') | 6.5m (22') |
| AGG BASE CSE T-B (TON) | 70.3 (77.5) | 74.4 (82.0) | 78.6 (86.6) | 105.5 (116.3) | 111.0 (122.4) | 116.6 (128.5) | 146.6 (161.6) | 153.5 (169.2) | 116.6 (127.8) |
| INC HMA SURF AT 25 (1) (TON) | 5.3 (5.8) | 5.5 (6.1) | 5.9 (6.5) | 8.0 (8.8) | 8.4 (9.3) | 9.0 (9.9) | 11.1 (12.2) | 11.7 (12.9) | 9.0 (9.9) |
| BIT PRIME COAT (TON) | 0.14 (0.15) | 0.15 (0.16) | 0.15 (0.17) | 0.20 (0.22) | 0.22 (0.24) | 0.23 (0.25) | 0.30 (0.33) | 0.32 (0.35) | 0.32 (0.37) |

NOTE: USE 50 (2) INC. HMA SURF. ON EXISTING RETURNS

| | | | |
|--|-----------------------|------------|-------------------|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - 1-15-08 |
| ca\pwork\pwork\cushmanbw\dms37201\d0105sp1.dgn | | DRAWN - | REVISED - |
| PLOT SCALE = 50.0000' / IN. | | CHECKED - | REVISED - |
| PLOT DATE = Mon Dec 01 10:48:10 2008 | | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

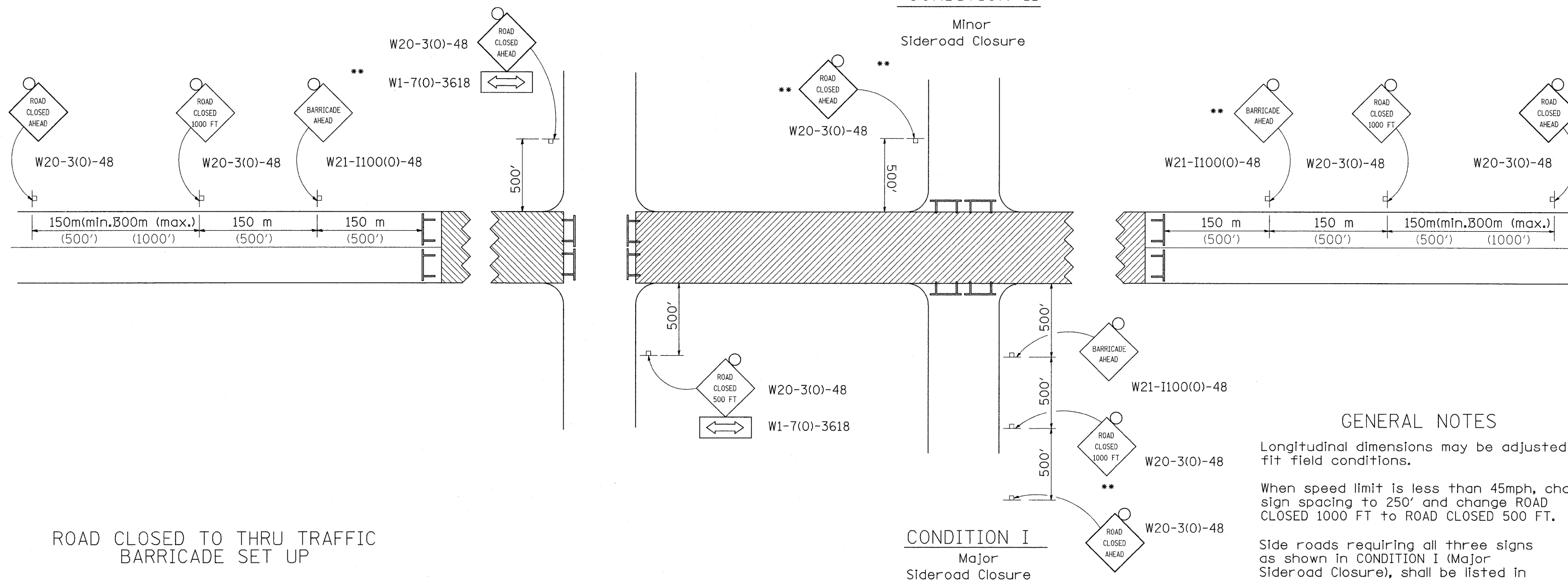
REGION 2 / DISTRICT 2 STANDARD

| | | | | |
|-------------|---------|---------------------|--------------|---|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1042 | 107T-1 | OGLE | 53 | 38 |
| SCALE: | | SHEET NO. OF SHEETS | | STA. TO STA. |
| | | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |

TRAFFIC CONTROL FOR ROAD CLOSURE

CONDITION II

Minor Sideroad Closure



GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

** Where local access is to be maintained, barricades are to be set up as shown in Road Closed to thru traffic. Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

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

SYMBOLS

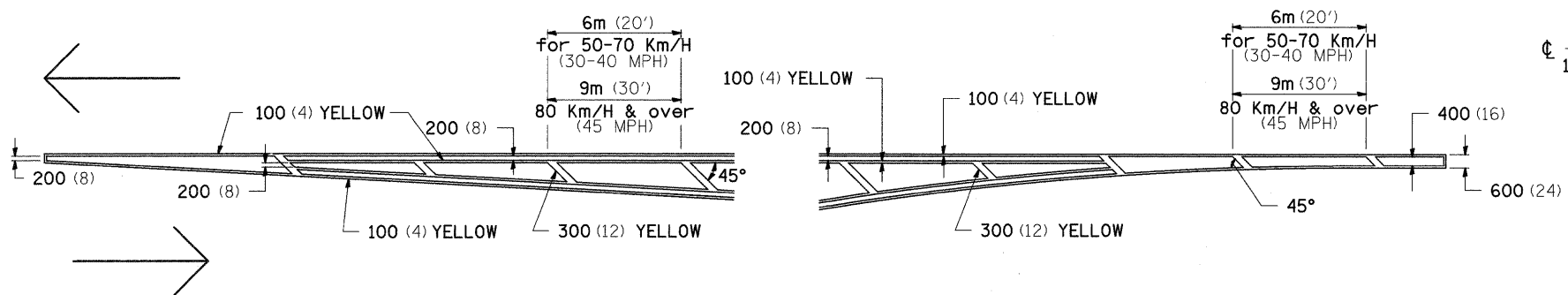
- Work area
- Type III Barricade with Flashers
- Sign with flashing light

TYPICAL APPLICATION FOR ROAD CLOSURE

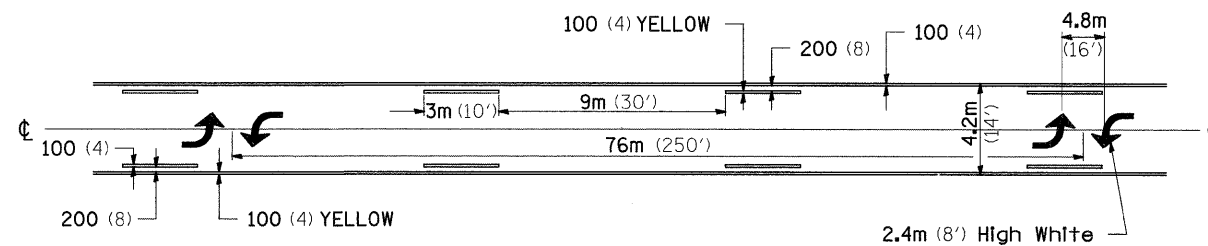
| | | | | | | | | | | | | | | | |
|---|-----------------------|------------|-------------------|---|---|-----------|----|--------|-------------|---------|--------|--------------|-----------|----|----|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - 1-11-08 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | REGION 2 / DISTRICT 2 STANDARD | | | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | | |
| ct:\pw_work\pw\dot\cushmanbw\dms37201\d07105sp1.dgn | | DRAWN - | REVISED - | | SCALE: | SHEET NO. | OF | SHEETS | STA. | TO STA. | 1042 | 107T-1 | OGLE | 53 | 39 |
| | | CHECKED - | REVISED - | | CONTRACT NO. 64B09 | | | | | | | | | | |
| | | DATE - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | | | | |

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

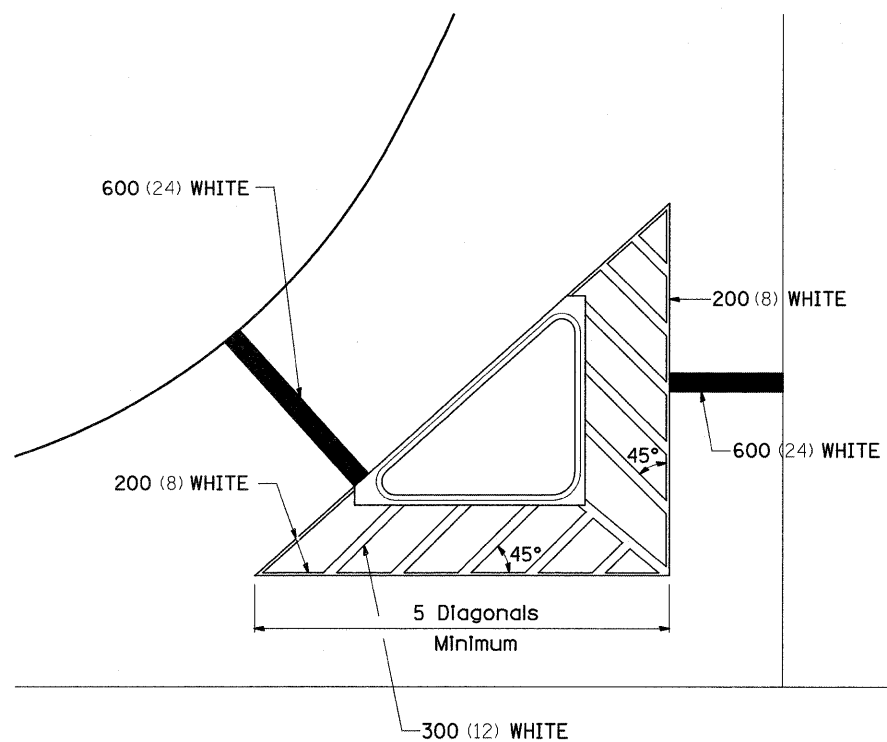


MEDIAN PAVEMENT MARKING

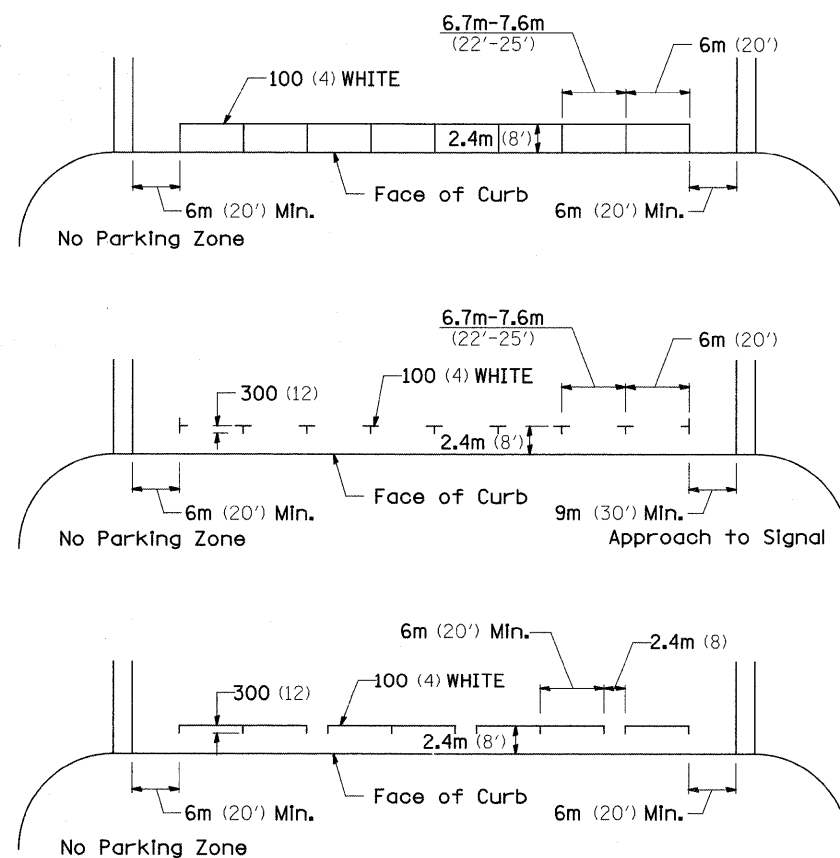


•• ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

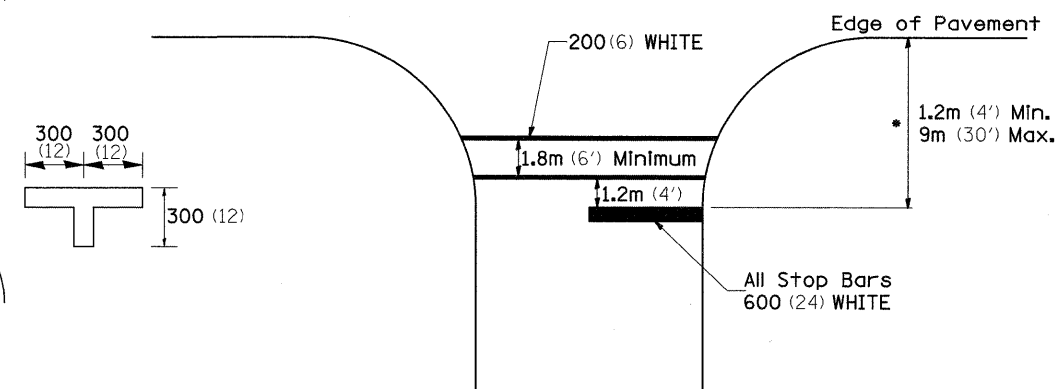


TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations

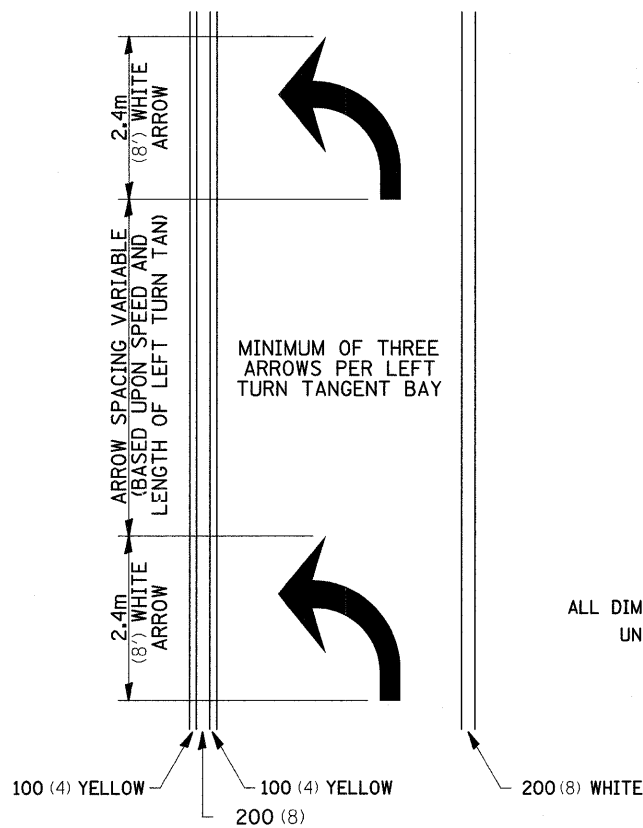


* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

| | | | | | | | | | | | |
|---|-----------------------|------------|--------------------|---|---------------------------------------|---|---------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - 10-21-08 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | REGION 2 / DISTRICT 2 STANDARD | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| cr:\pw_work\pwsdot\cushmanbw\dms37201\d07185sp1.dgn | | DRAWN - | REVISED - | | | 1042 | 107-T | OGLE | 53 | 40 | |
| PLOT SCALE = 50.0000' / IN. | | CHECKED - | REVISED - | | | CONTRACT NO. | | | | | |
| PLOT DATE = Mon Dec 01 10:48:11 2008 | | DATE - | REVISED - | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | |

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

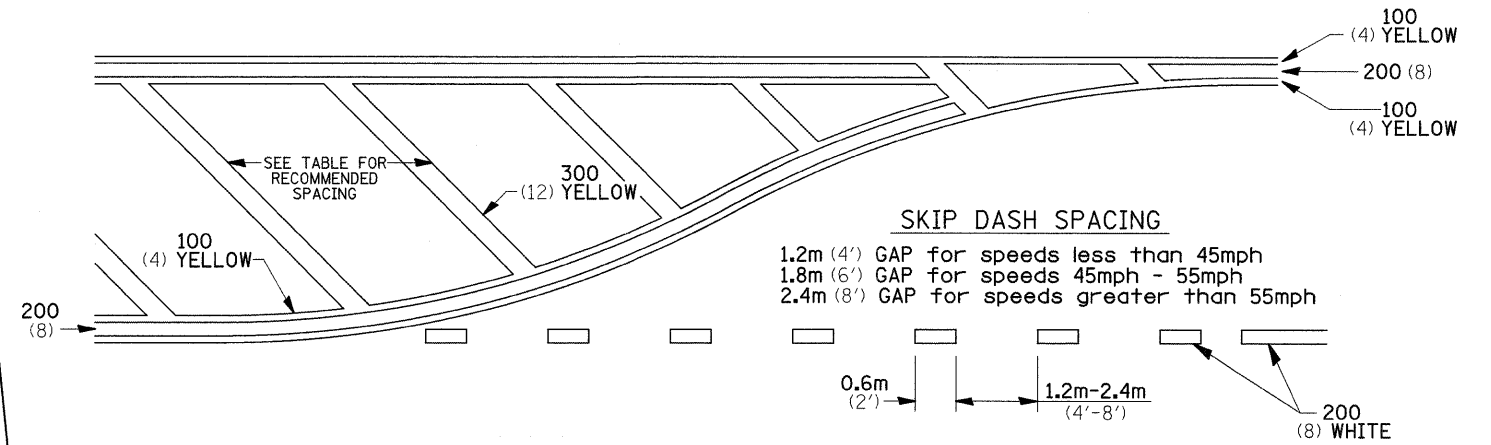


- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

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

12.2m
6 at (40') O.C.
APPROACH SIDE ONLY

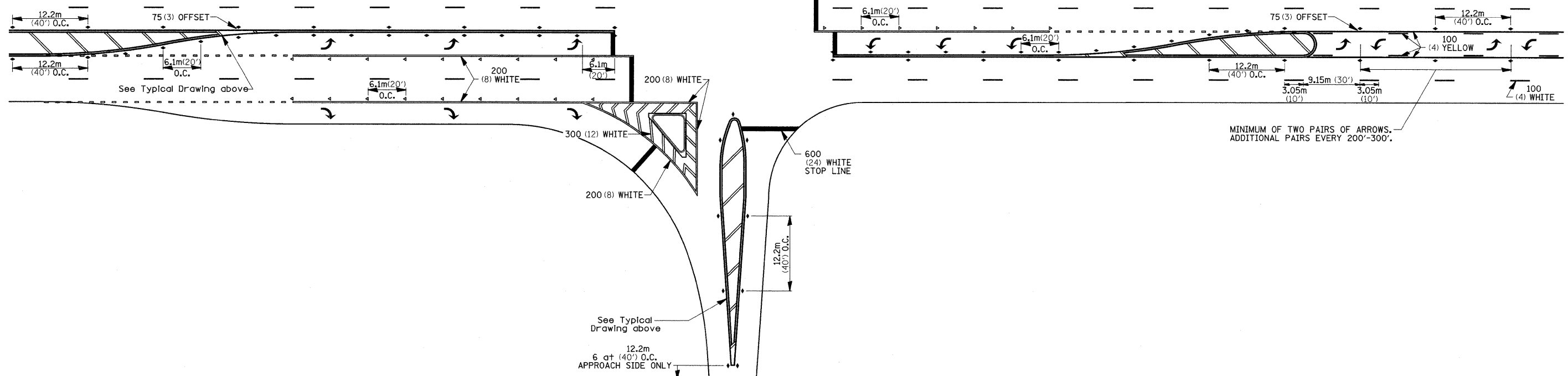
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

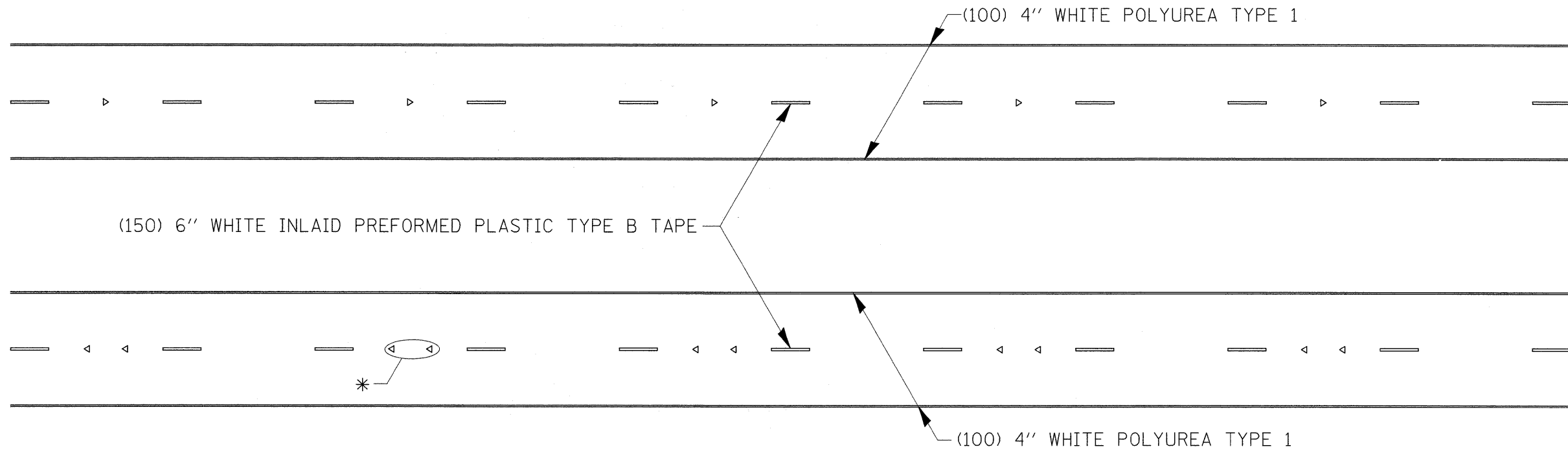
| Speed Limit Range | Continuous Median Area | Intersection Channelization | Objects (Islands) |
|--------------------------|------------------------|-----------------------------|-------------------|
| less than 50km/H (30MPH) | 15.3m (50') | 4.53m (15') | 3.05m (10') |
| 50-60km/H (30-40MPH) | 22.9m (75') | 6.1m (20') | 4.53m (15') |
| 70km/H (45MPH) & over | 22.9m (75') | 9.05m (30') | 6.1m (20') |

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



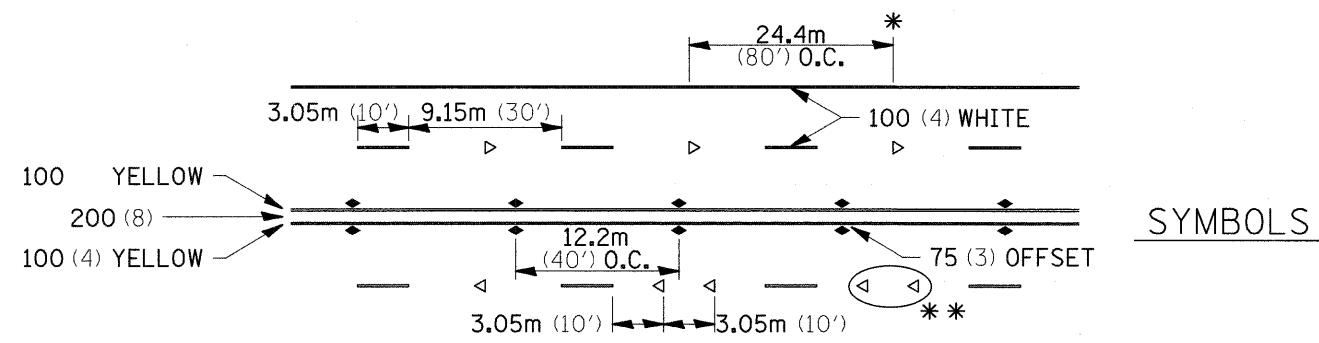
| | | | | | | | | | | |
|--|-----------------------|------------|---|---|---------------------------------------|-------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - 10-21-08 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | REGION 2 / DISTRICT 2 STANDARD | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ct:\pwork\pwork\cushmanbw\dms37201\d07105sp1.dgn | DRAWN - | REVISED - | 1042 | | | 107T-1 | OGLE | 53 | 41 | |
| PLDT SCALE = 500.0000' / IN. | CHECKED - | REVISED - | CONTRACT NO. | | | | | | | |
| PLDT DATE = Mon Dec 01 10:48:11 2008 | DATE - | REVISED - | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | |

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT \geq 25,000.

MULTI-LANE / DIVIDED

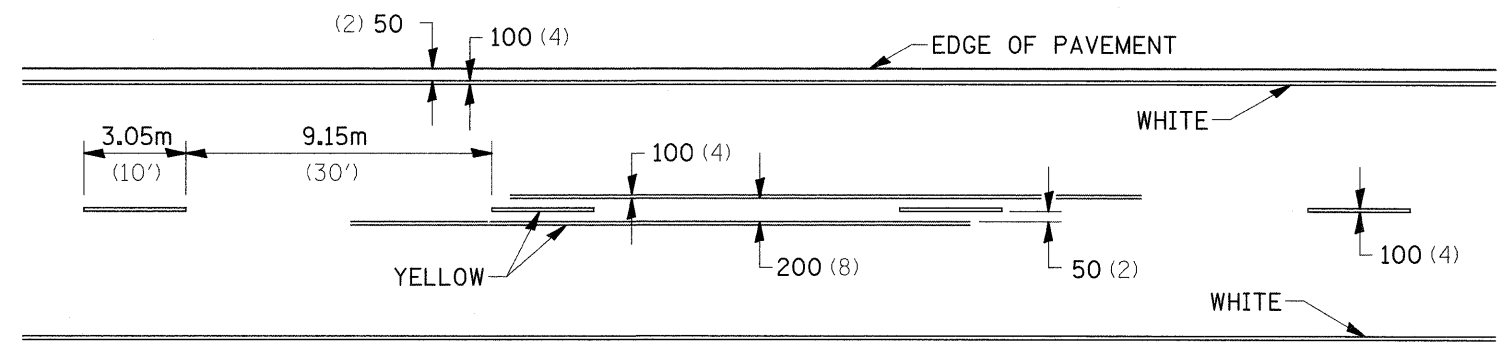


* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT \geq 25,000

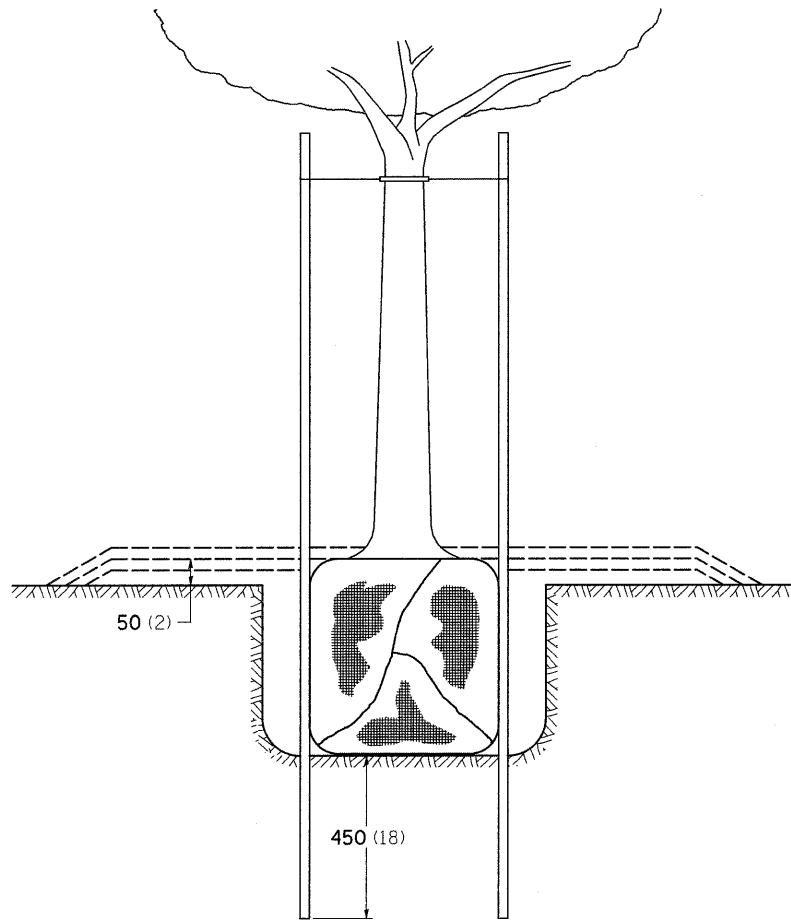
MULTI-LANE / UNDIVIDED

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



| | | | | | | | | | | | | | |
|---|--------------------------------------|------------|--------------------|---|---|--|--|--|--------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = cushmanbw | DESIGNED - | REVISED - 10-21-08 | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | REGION 2 / DISTRICT 2 STANDARD | | | | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ct\pw_work\pwsdot\cushmanbw\dms37201\d0 | 105sp1.dgn | DRAWN - | REVISED - | | | | | | 1042 | 107T-1 | OGLE | 53 | 42 |
| | PLOT SCALE = 50.0000' / IN. | CHECKED - | REVISED - | | SCALE: SHEET NO. OF SHEETS STA. TO STA. | | | | CONTRACT NO. | | | | |
| | PLOT DATE = Mon Dec 01 10:48:11 2008 | DATE - | REVISED - | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | | | | | |

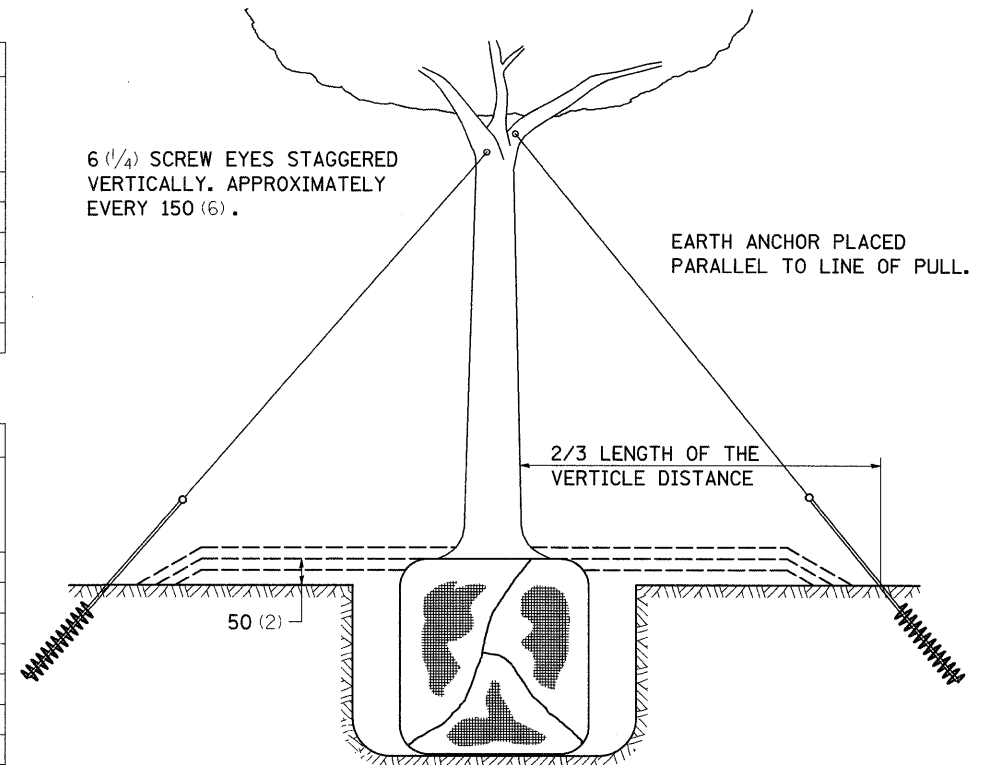
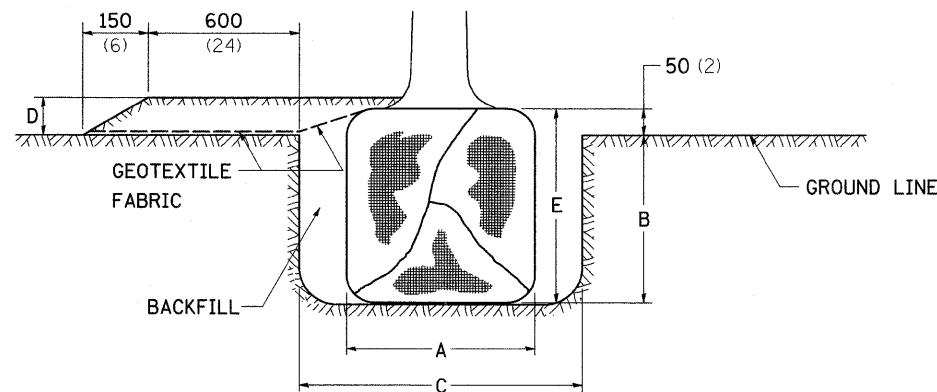
DETAILS OF PLANTING AND BRACING TREES



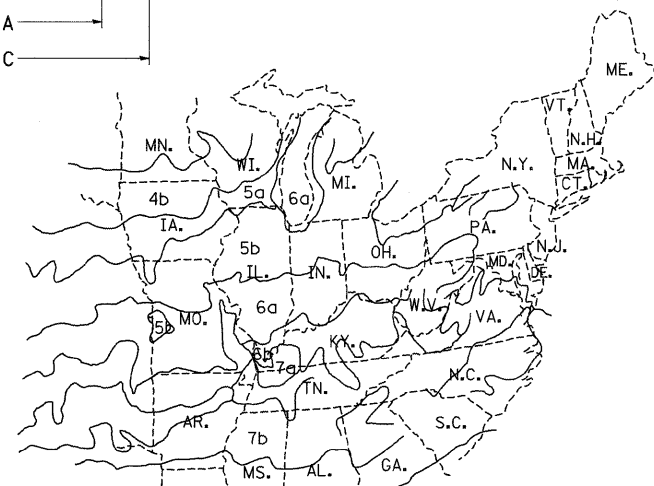
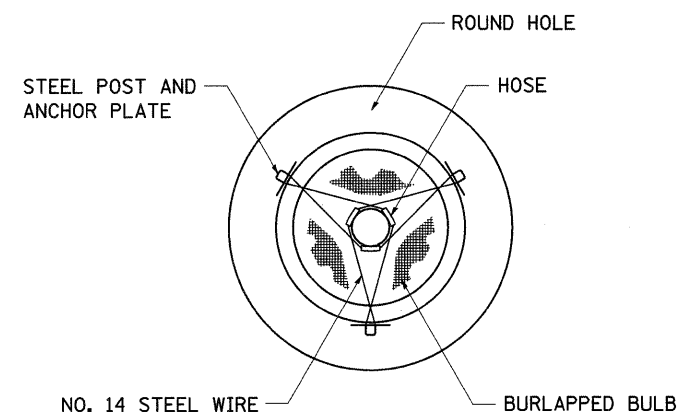
TREES SMALLER THAN 115 (4 1/2) IN DIAMETER

| SMALL | A | B | C | D | E | F |
|-----------------------|-------------------------------|--------------------------|--------------------------|--------------------------|----------------------------|---|
| TREE SIZE | DIAMETER OF BALL OR ROOT SYS. | DEPTH OF HOLE EXCAVATION | WIDTH OF HOLE EXCAVATION | THICKNESS OF MULCH COVER | DEPTH OF BALL OR ROOT SYS. | VOLUME OF MULCH COVER m ³ (CU. YDS.) |
| 1.5-1.8m (5'-6') | 400 (16) | 250 (10) | 750 (30) | 100 (4) | 300 (12) | 0.41 (0.54) |
| 1.5-1.8m (5'-6') BB | 400 (16) | 250 (10) | 750 (30) | 100 (4) | 300 (12) | 0.41 (0.54) |
| 1.8-2.0m (6'-7') BB | 450 (18) | 300 (12) | 750 (30) | 100 (4) | 350 (14) | 0.41 (0.54) |
| 2.0-2.4m (7'-8') BB | 500 (20) | 275 (11) | 750 (30) | 100 (4) | 325 (13) | 0.41 (0.54) |
| 2.4-3.0m (8'-10') BB | 600 (24) | 350 (14) | 900 (36) | 100 (4) | 400 (16) | 0.47 (0.61) |
| 3.0-3.6m (10'-12') BB | 650 (26) | 375 (15) | 900 (36) | 100 (4) | 425 (17) | 0.47 (0.61) |

| LARGE | A | B | C | D | E | F |
|----------------------|-------------------------------|--------------------------|--------------------------|--------------------------|----------------------------|---|
| TREE SIZE | DIAMETER OF BALL OR ROOT SYS. | DEPTH OF HOLE EXCAVATION | WIDTH OF HOLE EXCAVATION | THICKNESS OF MULCH COVER | DEPTH OF BALL OR ROOT SYS. | VOLUME OF MULCH COVER m ³ (CU. YDS.) |
| 0-50 (0-2) | 500 (20) | 275 (11) | 900 (36) | 100 (4) | 325 (13) | 0.47 (0.61) |
| 50-65 (2-2 1/2) BB | 600 (24) | 350 (14) | 1200 (48) | 100 (4) | 400 (16) | 0.60 (0.78) |
| 65-75 (2 1/2-3) BB | 700 (28) | 425 (17) | 1200 (48) | 100 (4) | 475 (19) | 0.60 (0.78) |
| 75-90 (3-3 1/2) BB | 800 (32) | 425 (17) | 1500 (60) | 100 (4) | 475 (19) | 0.73 (0.96) |
| 90-100 (3 1/2-4) BB | 900 (36) | 500 (20) | 1500 (60) | 100 (4) | 550 (22) | 0.73 (0.96) |
| 100-115 (4-4 1/2) BB | 1000 (40) | 550 (22) | 1800 (72) | 100 (4) | 600 (24) | 0.89 (1.16) |
| 115-125 (4 1/2-5) BB | 1100 (44) | 600 (24) | 1800 (72) | 100 (4) | 650 (26) | 0.89 (1.16) |
| 125-140 (5-5 1/2) BB | 1200 (48) | 675 (27) | 2100 (84) | 100 (4) | 725 (29) | 1.06 (1.38) |

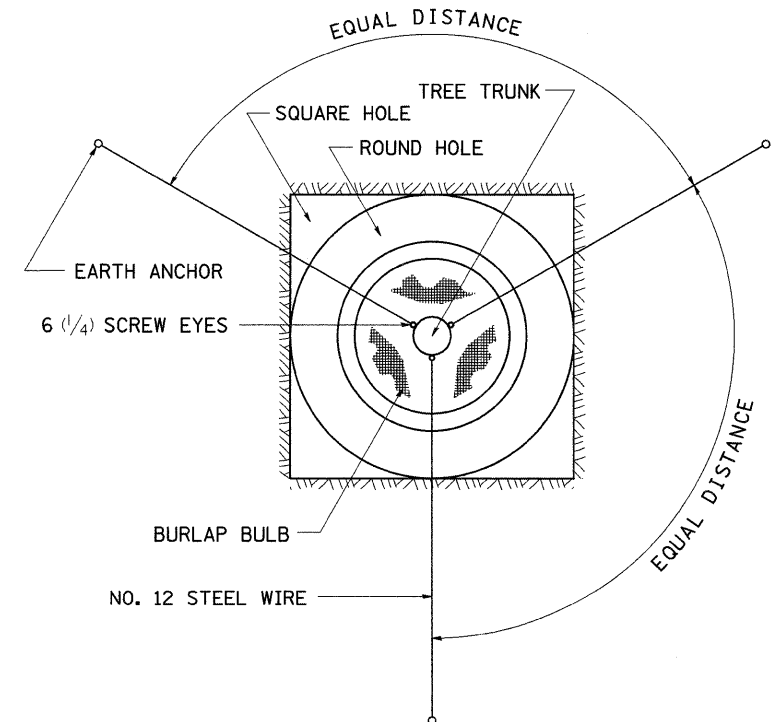


TREES OVER 115 (4 1/2) IN DIAMETER



PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

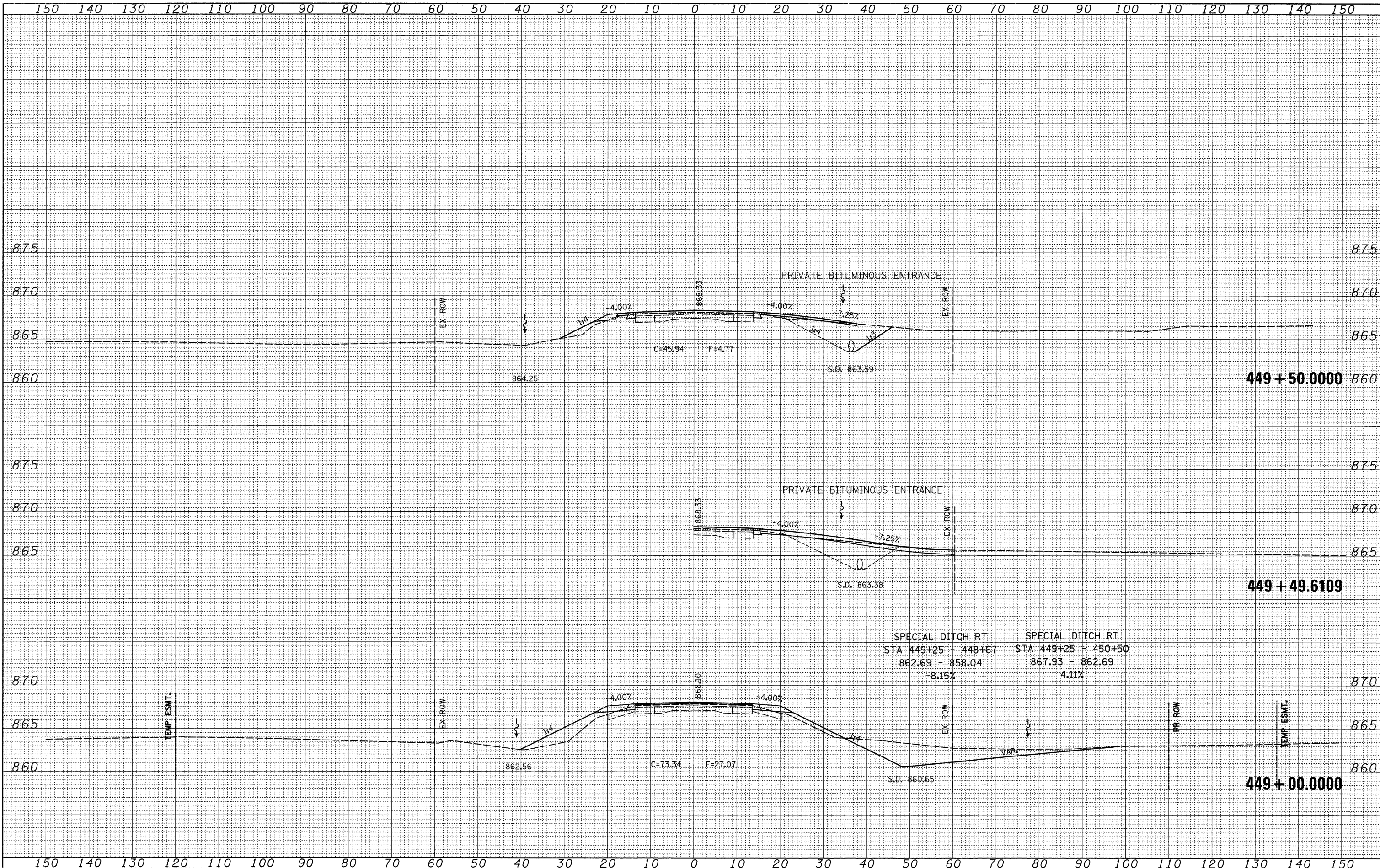
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------|---------|---------------------------|--------------|-----------|
| 1042 | 107T-1 | OGLE | 53 | 43 |
| CONTRACT NO. | | ILLINOIS FED. AID PROJECT | | |

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

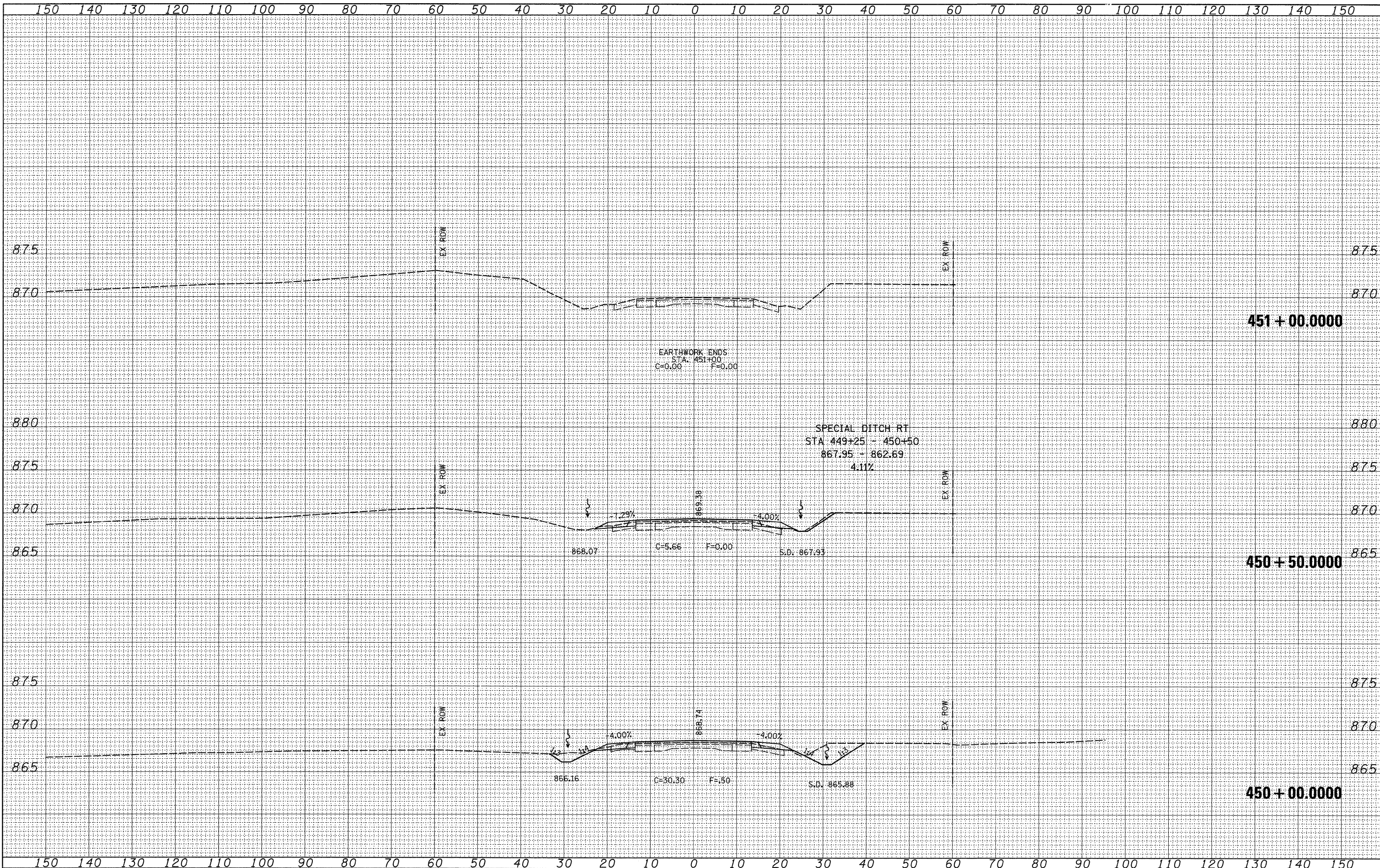
IL 251 CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 449+00.0000 TO STA. 449+50.0000

| | | | | |
|---------------------|-------------------|---------------------------|--------------------|-----------------|
| F.A.S. RTE. 1042 | SECTION 107T-1 | COUNTY OGLE | TOTAL SHEETS 53 | SHEET NO. 46 |
| CONTRACT NO. 64B09 | | ILLINOIS FED. AID PROJECT | | |

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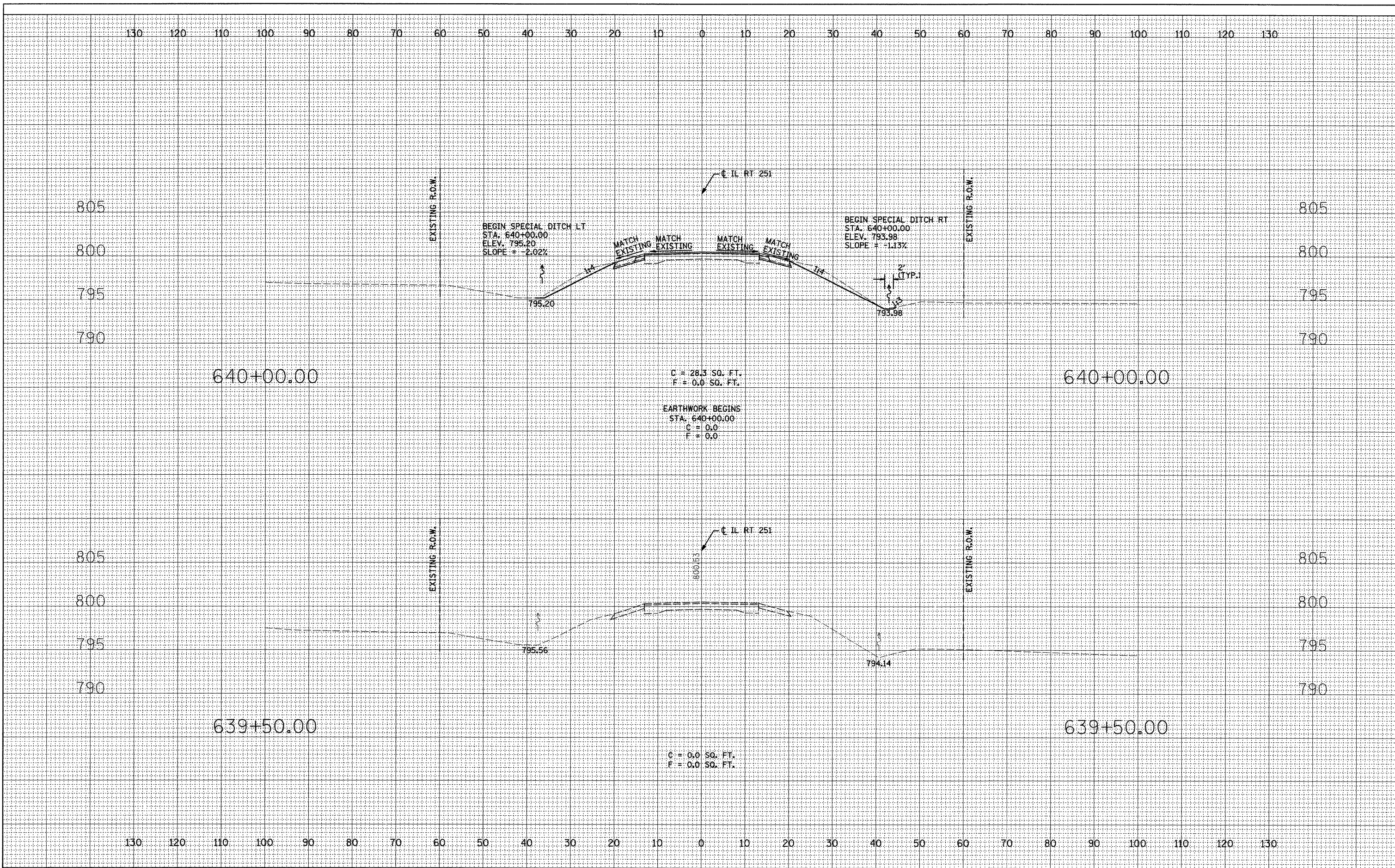
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 251 CROSS SECTIONS
 SCALE: SHEET NO. OF SHEETS STA. 450+00.0000 TO STA. 451+00.0000

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| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1042 | 107T-1 | OGLE | 53 | 47 |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| CONTRACT NO. 64B09 | | | | |

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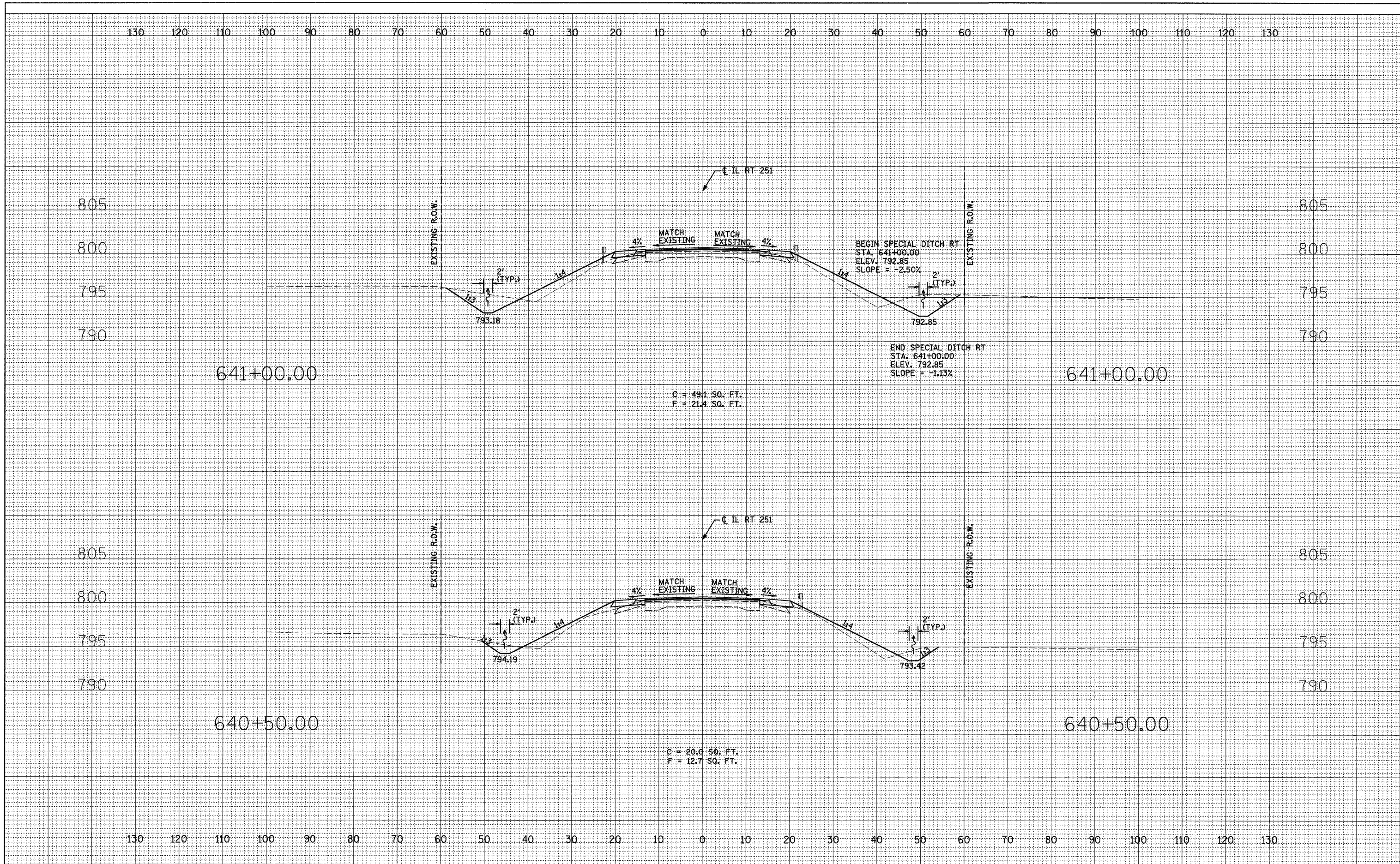
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
ILL RTE 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK
 SCALE: 1"=10'H, 5"V SHEET NO. OF SHEETS STA. TO STA.

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|--------|--------------|-----------|
| 1042 | 107T-1 | OGLE | 53 | 48 |
| CONTRACT NO. 64B09 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

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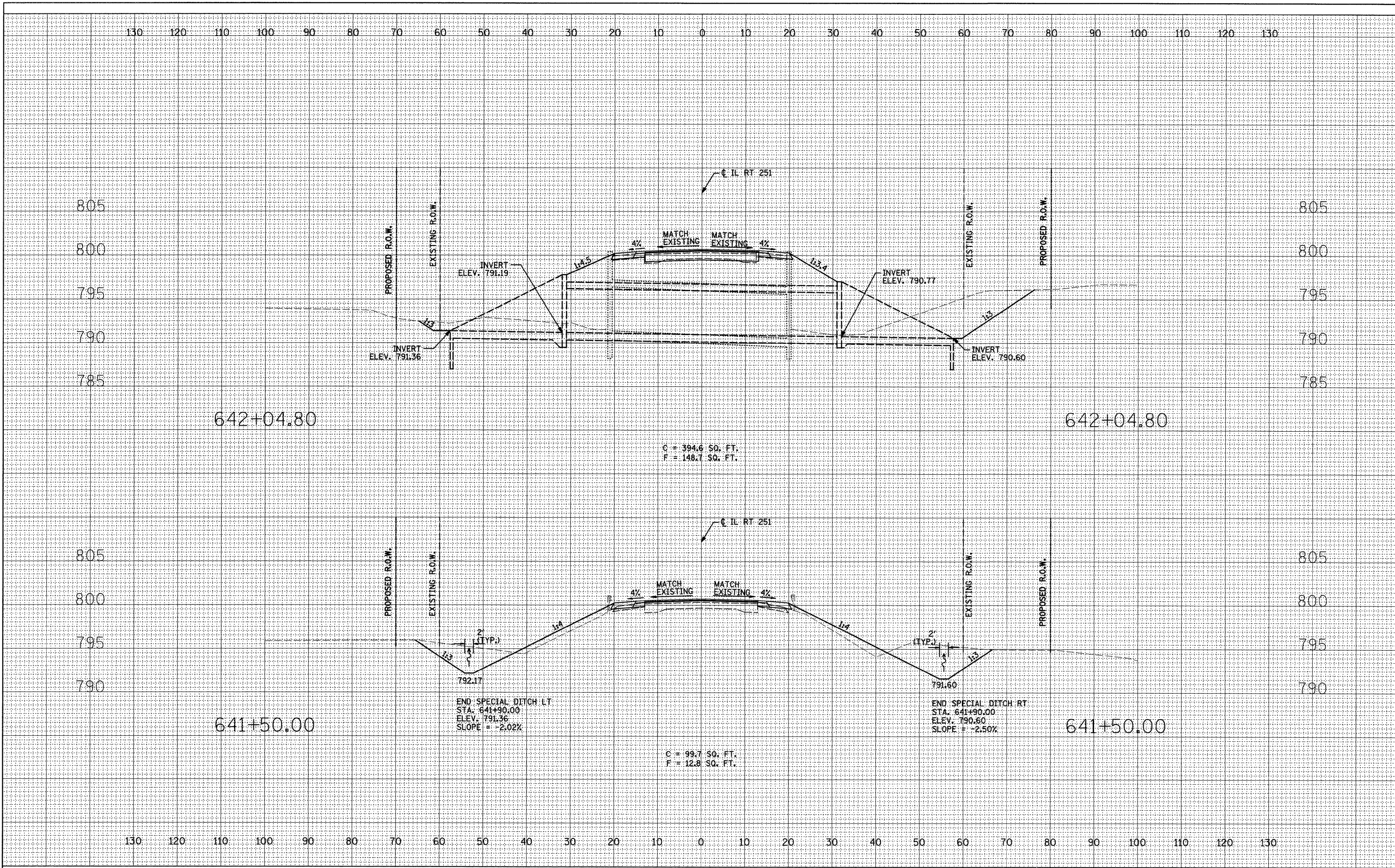
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
IL RTE 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK
 SCALE: 1"=10'H, 5'V SHEET NO. OF SHEETS STA. TO STA.

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|--------|--------------|-----------|
| 1042 | 10TT-1 | OGLE | 53 | 49 |
| CONTRACT NO. 64B09 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

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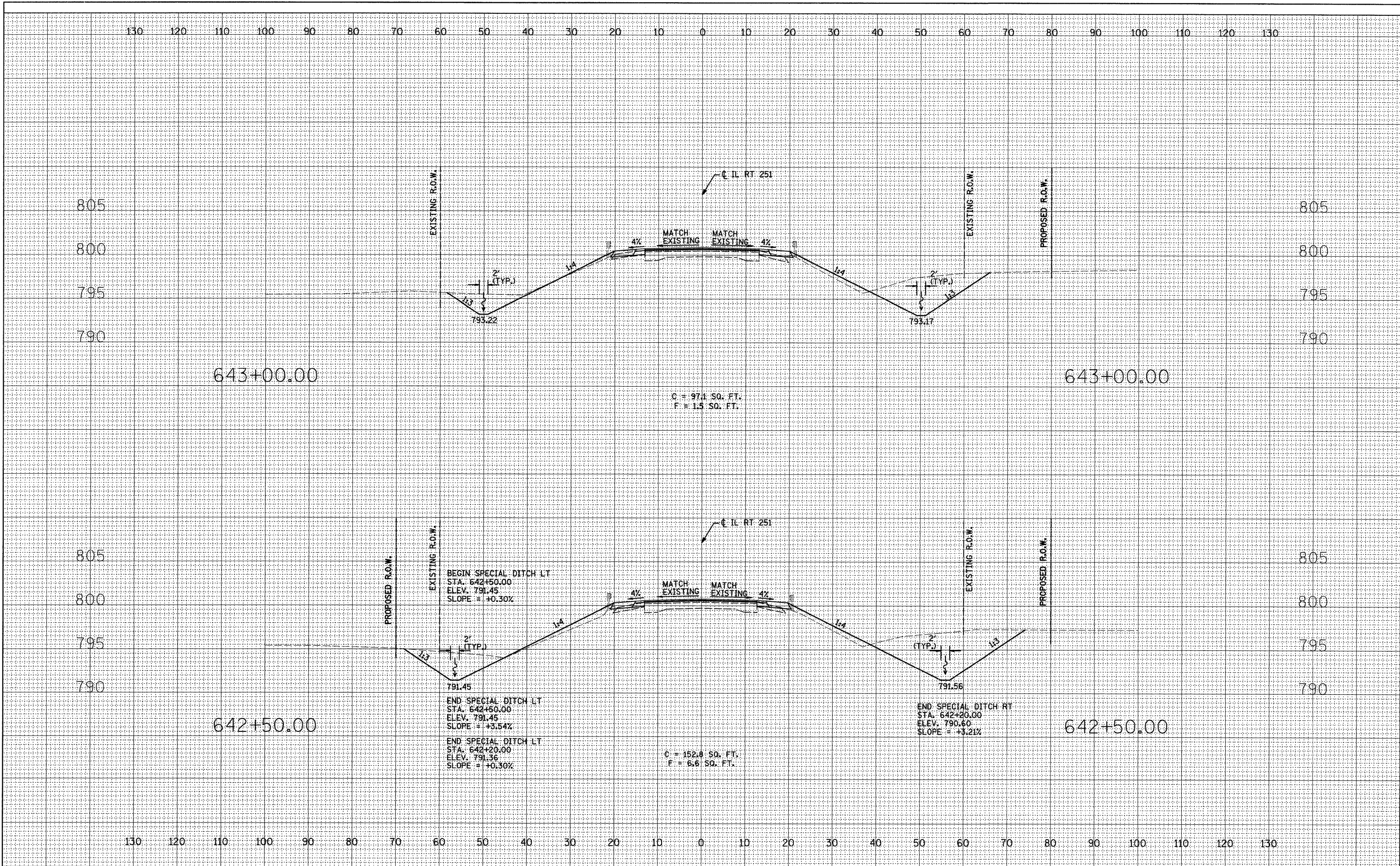
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 IL RTE 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK**
 SCALE: 1"=10'H,5"V SHEET NO. OF SHEETS STA. TO STA.

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| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1042 | 107T-1 | OGLE | 53 | 50 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |
| CONTRACT NO. 64B09 | | | | |

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

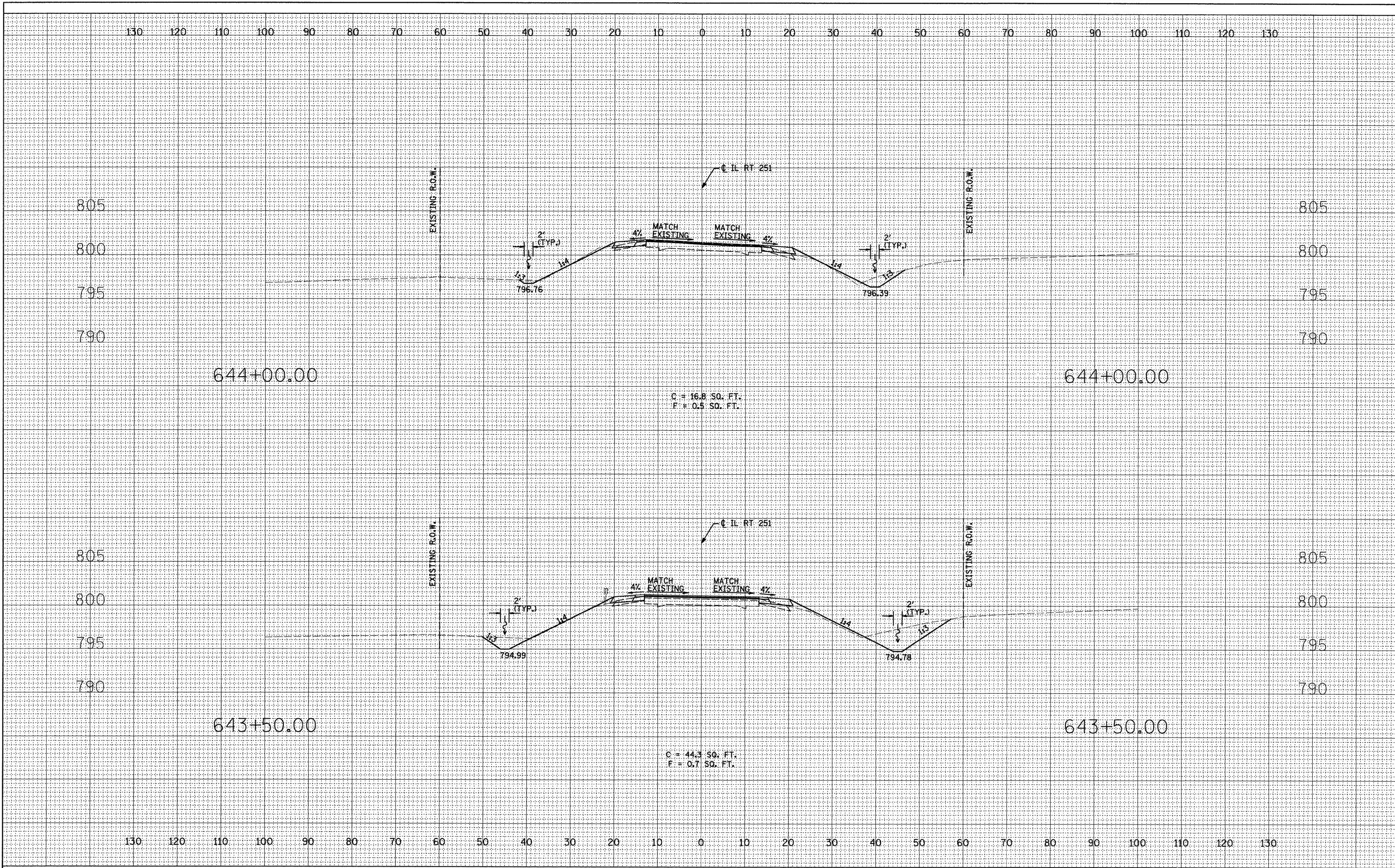
**CROSS SECTIONS
 IL RTE 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK**

SCALE: 1"=10'H,5'V SHEET NO. OF SHEETS STA. TO STA.

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| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1042 | 107T-1 | OGLE | 53 | 51 |
| CONTRACT NO. 64B09 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

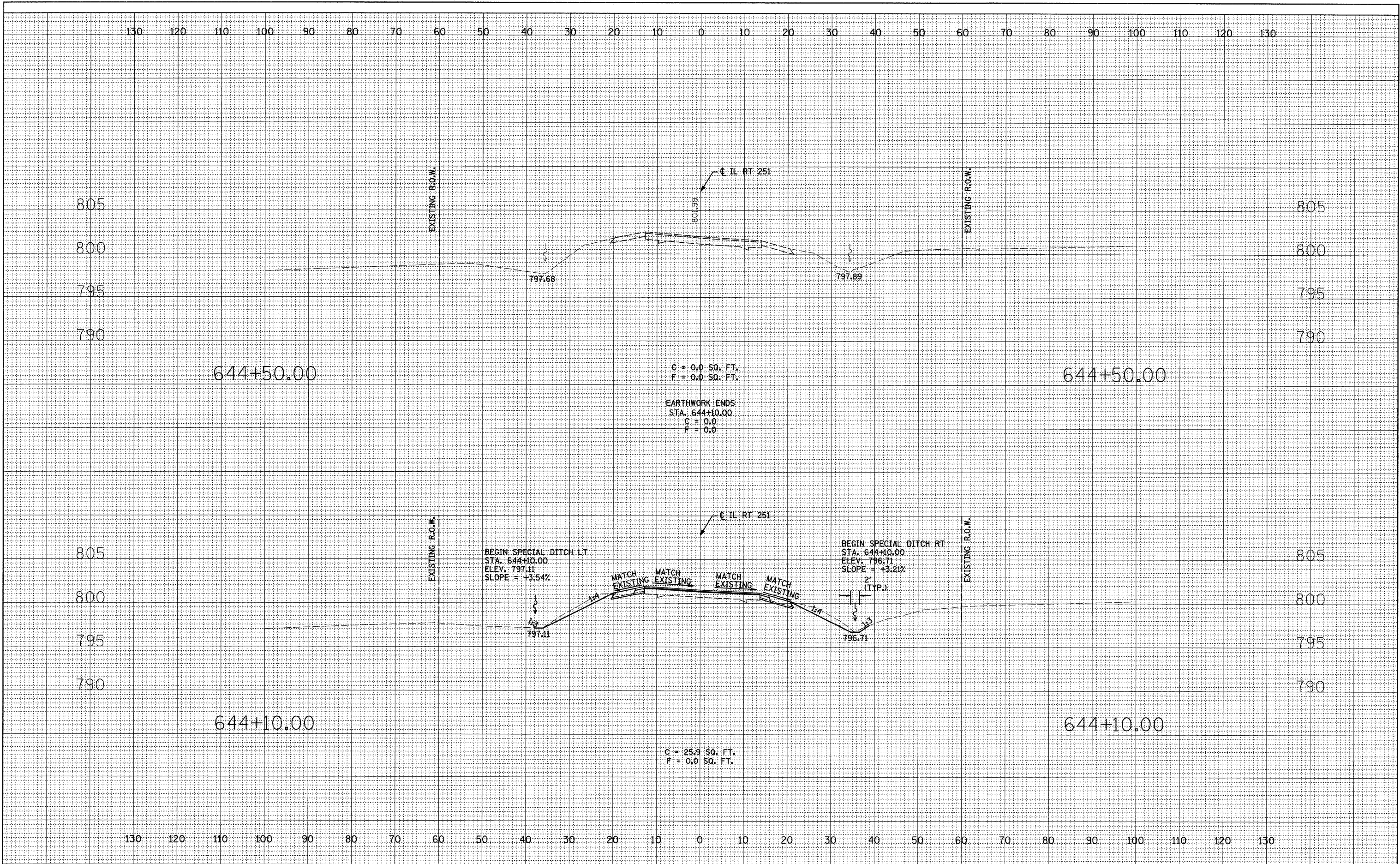
**CROSS SECTIONS
 IL RTE 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK**

SCALE: 1"=10'H, 5'V SHEET NO. OF SHEETS STA. TO STA.

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| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1042 | 107T-1 | OGLE | 53 | 52 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |
| | | | CONTRACT NO. 64B09 | |

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 IL RTE 251 OVER UNNAMED TRIBUTARY TO KILBUCK CREEK**
 SCALE: 1"=10'H,5'V SHEET NO. OF SHEETS STA. TO STA.

| | | | | |
|---------------------|---------|---------------------------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 1042 | 107T-1 | OGLE | 53 | 53 |
| CONTRACT NO. 64B09 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |