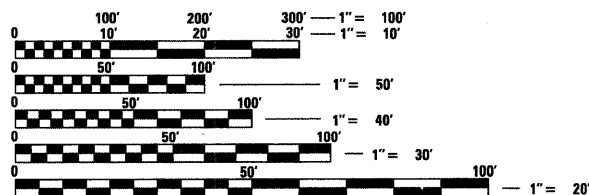


**INDEX OF SHEETS**

- 1 Cover Sheets and Index of Sheets
- 2 Summary of Quantities
- 3-4 General Notes
- 5-13 Typical Sections
- 14-17 Schedule of Quantities
- 18-21 ROW and Erosion Control Sheets
- 22-23 Alignment, Ties and Benchmark Sheets
- 24-27 Plan and Profiles
- 28-31 End Section Details
- 32-35 Staging
- 36-39 Boring Logs
- 40 Grading Around Wingwalls (20.4)
- 40 Detail of Hot-Mix Asphalt Shoulder at Guardrail (23.4)
- 40 Delineator and Post (37.4)
- 40 Typical Benching Detail on Existing Embankment (50.4)
- 41 Lettering for Nameplate (89.4)
- 41 Tree Replacement Schedule (90.4)
- 41 Stop Line Sign For Temporary Signals (99.4)
- 42 Erosion Control Detail For Silt Filter Fence (29.2)
- 42 Field Tile Junction Vaults (30.2)
- 43 Informational Warning Sign (For Narrow Travel Lanes)(39.2)
- 43 Witness Markers & Permanent Survey Markers (66.2)
- 44 Storm Water Pollution Prevention Plan Erosion Control Plan (2.1)
- 45-47 Typical Pavement Marking (41.1)
- 48 Details of Planting and Bracing Trees (92.1)
- 49-59 Cross Sections

**STATE STANDARDS**

- 000001-05 Standard Symbols, Abbreviations and Patterns
- 001001-02 Areas of Reinforcement Bars
- 280001-04 Temporary Erosion Control Systems
- 442201-03 Class C and D Patches
- 515001-03 Name Plate For Bridges
- 630001-08 Steel Plate Beam Guardrail
- 630201-06 PCC/HMA Stabilization at Steel Plate Beam Guardrail
- 630301-05 Shoulder Widening for Type 1 (Special) Guardrail Terminals
- 635001-01 Delineators
- 635006-03 Reflector and Terminal Marker Placement
- 635011-02 Reflector Marker and Mounting Details
- 666001-01 Right-of-Way Markers
- 701006-03 Off-Rd Operations, 2L, 2W, 15' to 24" From Pavement Edge
- 701011-02 Off - Rd Moving Operations, 2L, 2W, Day Only
- 701201-03 Lane Closure, 2L, 2W, Day Only, For Speeds  $\geq$  45 MPH
- 701306-02 Lane Closure 2L, 2W Slow Moving Operations Day Only, For Speeds  $\geq$  45 MPH
- 701321-10 Lane Closure 2L, 2W Bridge Repair With Barrier
- 701901-01 Traffic Control Devices
- 704001-05 Temporary Concrete Barrier
- 720011-01 Metal Posts for Signs, Markers, and Delineators
- 728001-01 Telescoping Steel Sign Support
- 729001-01 Applications of Types A & B Metal Posts (For Signs and Markers)
- 780001-02 Typical Pavement Markings
- 886001-01 Detector Loop Installations
- 886006-01 Typical Layout For Detection Loops



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.

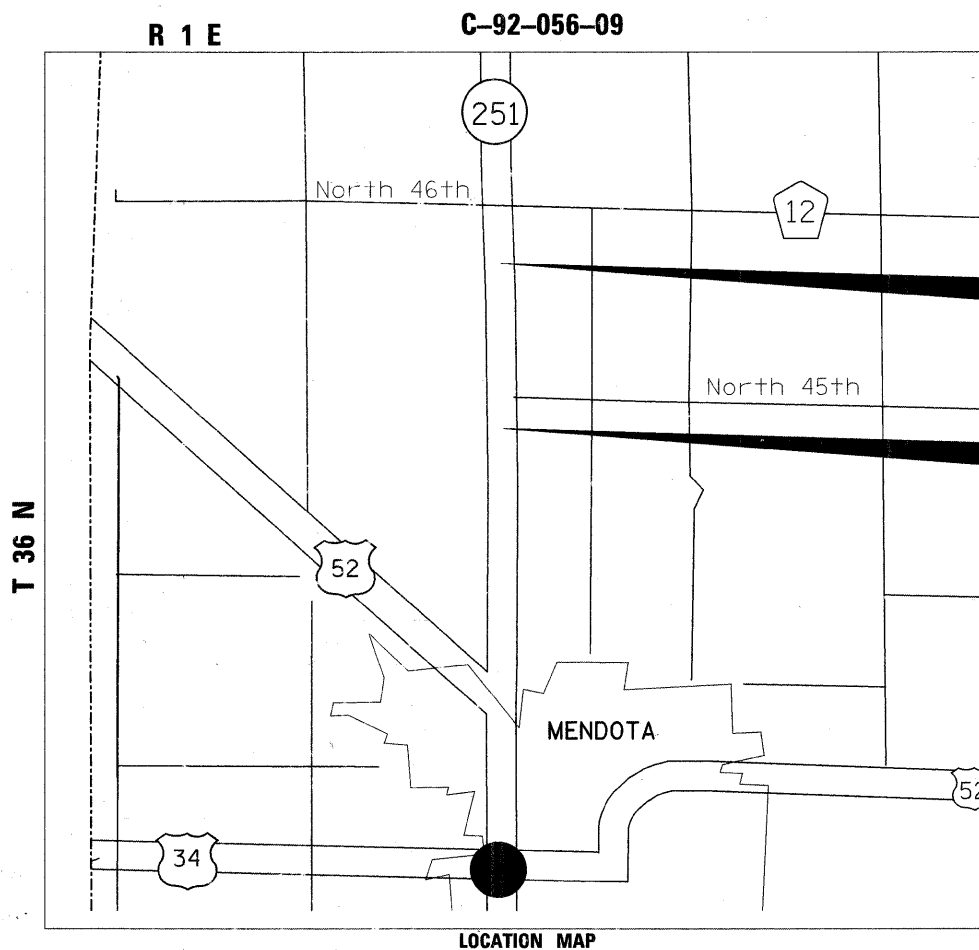
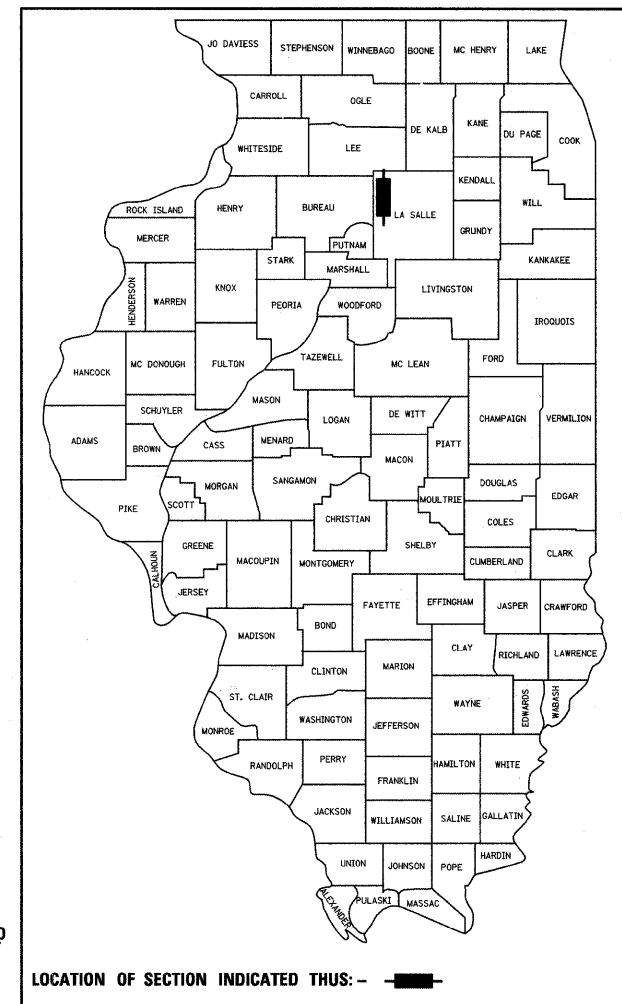
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

**PROJECT ENGINEER – BECKY MARRUFFO**  
**SQUAD LEADER – JASON FORD (815/284-5942)**  
**CONSULTANT (END SECTIONS)– JAMES HAMILTON**  
**HAMILTON ENGINEERING, INC (217/245-7164)**  
**Mendota Township – Sections 20,21**  
**CONTRACT NO. 64A07**

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PROPOSED**  
**HIGHWAY PLANS**  
**FAS ROUTE 1177 (IL 251)**  
**SECTION 111T**  
**PROJECT ACRS 1177(113)**  
**LASALLE COUNTY**

| F.A.S. RTE.         | SECTION | COUNTY   | TOTAL SHEETS       | SHEET NO. |
|---------------------|---------|----------|--------------------|-----------|
| 1177                | 111T    | Lasalle  | 99                 | 1         |
| FED. ROAD DIST. NO. |         | ILLINOIS | CONTRACT NO. 64A07 |           |

**D-92-055-04**



**2520 + 81**  
**PIKE CREEK**  
EXISTING BRIDGE REMOVED AND REPLACED WITH A TRIPLE 8'X8' TRIPLE CELL PRECAST BOX CULVERT

**2472 + 75**  
EXISTING CULVERT REMOVED, RCP FILLED, REPLACED WITH AN 8' X 4' PRECAST BOX CULVERT WITH DROP BOX

GROSS LENGTH = 1170.4 FT. = 0.22 MILE  
NET LENGTH = 1170.4 FT. = 0.22 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *December 29, 2008*

*Gregory F. Ryan*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*January 30, 2009*  
*Charles G. Ingersoll*  
ENGINEER OF DESIGN AND ENVIRONMENT

*January 30, 2009*  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

# Summary of Quantities

| Pay Item #  | Description                                   | Unit    | Total Quantity | 80 % Fed 20% State 1000 | 80 % Fed 20% State X028-2A | 80 % Fed 20% State Y007 |
|-------------|---|---------|----------------|-------------------------|----------------------------|-------------------------|
| 20100110    | Tree Removal (6 to 15 units diameter)         | Unit    | 126.0          | 126.0                   |                            |                         |
| 20100210    | Tree Removal (Over 15units diameter)          | Unit    | 124.0          | 124.0                   |                            |                         |
| 20100500    | Tree Removal, Acres                           | Acre    | 0.25           | 0.25                    |                            |                         |
| 20200100    | Earth Excavation                              | Cu. Yd. | 4013.0         | 4013.0                  |                            |                         |
| 20201200    | Removal and Disposal of Unsuitable Material   | Cu. Yd. | 500.0          | 500.0                   |                            |                         |
| * 25000210  | Seeding, Class 2A                             | Acre    | 1.25           | 1.25                    |                            |                         |
| * 25000310  | Seeding, Class 4                              | Acre    | 0.75           | 0.75                    |                            |                         |
| ✕ 25000400  | Nitrogen Fertilizer Nutrient                  | Pound   | 180.0          | 180.0                   |                            |                         |
| ✕ 25000500  | Phosphorus Fertilizer Nutrient                | Pound   | 180.0          | 180.0                   |                            |                         |
| ✕ 25000600  | Potassium Fertilizer Nutrient                 | Pound   | 180.0          | 180.0                   |                            |                         |
| :) 25000750 | Mowing  | Acre    | 2.0            | 2.0                     |                            |                         |
| 25100115    | Mulch, Method 2                               | Acre    | 2.0            | 2.0                     |                            |                         |
| 25100630    | Erosion Control Blanket                       | Sq. Yd. | 1204.0         | 1204.0                  |                            |                         |
| 28000250    | Temporary Erosion Control Seeding             | Pound   | 1200.0         | 1200.0                  |                            |                         |
| 28000300    | Temporary Ditch Checks                        | Each    | 60.0           | 60.0                    |                            |                         |
| 28000400    | Perimeter Erosion Barrier                     | Foot    | 100.0          | 100.0                   |                            |                         |
| 28000500    | Inlet and Pipe Protection                     | Each    | 2.0            |                         | 1                          | 1                       |
| 35101600    | Aggregate Base Course, Type B 4"              | Sq. Yd. | 744.0          | 744.0                   |                            |                         |
| 40603310    | Hot-Mix Asphalt, Surface Course, Mix "C", N50 | Ton     | 83.3           | 83.3                    |                            |                         |
| 44201383    | Class C Patches, Type IV, 12 inch             | Sq. Yd. | 549.0          | 188.0                   | 233                        | 128                     |
| 44300200    | Strip Reflective Crack Control Treatment      | Foot    | 370.0          | 370.0                   |                            |                         |
| 48101500    | Aggregate Shoulders, Type B 6"                | Sq. Yd. | 34.0           | 34.0                    |                            |                         |
| 48203021    | Hot-Mix Asphalt Shoulders, 6"                 | Sq. Yd. | 743.5          | 743.5                   |                            |                         |
| 50100300    | Removal of Existing Structures No. 1          | Each    | 1.0            |                         | 1                          |                         |
| 50100400    | Removal of Existing Structures No. 2          | Each    | 1.0            |                         |                            | 1                       |
| * 50104400  | Concrete Headwall Removal                     | Each    | 1.0            | 1.0                     |                            |                         |
| 50800105    | Reinforcement Bars                            | Pound   | 19200.0        |                         | 19200                      |                         |
| 50800205    | Reinforcement Bars, Epoxy Coated              | Pound   | 740.0          |                         | 740                        |                         |
| 51205200    | Temporary Sheet Piling                        | Sq. Ft. | 1513.0         |                         | 1513                       |                         |
| 51500100    | Nameplate <sup>SPACE</sup> S                  | Each    | 2.0            |                         | 1                          | 1                       |
| 54001001    | Box Culvert End Section,Culvert No. 1         | Each    | 1.0            |                         |                            | 1                       |
| 54010804    | Precast Concrete Box Culvert 8'x4'            | FOOT    | 90.0           |                         |                            | 90                      |
| 54010808    | Precast Concrete Box Culvert 8'x8'            | FOOT    | 198.0          |                         | 198                        |                         |
| 54003000    | Concrete Box Culverts                         | Cu. Yd. | 156.4          |                         | 156.4                      |                         |
| 61133100    | Field Tile Junction Vaults, 2' Dia.           | Each    | 2.0            | 2.0                     |                            |                         |
| 61140000    | Storm Sewers, Special 8"                      | Foot    | 100.0          | 100.0                   |                            |                         |
| 61140100    | Storm Sewers, Special 10"                     | Foot    | 100.0          | 100.0                   |                            |                         |

|            |  |         | Total  | 80 % Fed 20% State 1000 | 80 % Fed 20% State X028-2A | 80 % Fed 20% State Y007 |
|------------|--|---------|--------|-------------------------|----------------------------|-------------------------|
| 61140200   | Storm Sewers, Special 12"  | Foot    | 100.0  | 100.0                   |                            |                         |
| ✕ 63000000 | Steel Plate Beam Guardrail, Type A                                       | Foot    | 612.5  | 612.5                   |                            |                         |
| 63100167   | Traffic Barrier Terminal, Type 1 (Special) Tangent                       | Each    | 4.0    | 4.0                     |                            |                         |
| 63200310   | Guardrail Removal  | Foot    | 898.0  | 898.0                   |                            |                         |
| 63500105   | Delineators  | Each    | 11.0   | 4                       | 2                          | 5                       |
| 66600105   | Furnishing and Erecting Right-of-Way Markers                             | Each    | 27.0   | 27.0                    |                            |                         |
| 66700305   | Permanent Survey Markers, Type II  | Each    | 4.0    | 4.0                     |                            |                         |
| 67000400   | Engineer's Field Office, Type A  | Cal Mo  | 6.0    | 6.0                     |                            |                         |
| 67100100   | Mobilization   | L Sum   | 1.0    | 1.0                     |                            |                         |
| 70100405   | Traffic Control and Protection, Standard 701321                          | Each    | 1.0    | 1.0                     |                            |                         |
| 70100450   | Traffic Control and Protection, Standard 701201                          | L Sum   | 1.0    | 1.0                     |                            |                         |
| 70100460   | Traffic Control and Protection, Standard 701306                          | L Sum   | 1.0    | 1.0                     |                            |                         |
| 70103815   | Traffic Control Surveillance   | Cal Da  | 10.0   | 10.0                    |                            |                         |
| 70106500   | Temporary Bridge Traffic Signals   | Each    | 1.0    | 1.0                     |                            |                         |
| 70106700   | Temporary Rumble Strip   | Each    | 6.0    | 6.0                     |                            |                         |
| 70300220   | Temporary Pavement Marking - Line 4"                                     | Foot    | 2445.0 | 2445.0                  |                            |                         |
| 70300280   | Temporary Pavement Marking - Line 24"                                    | Foot    | 27.0   | 27.0                    |                            |                         |
| 70301000   | Workzone Pavement Marking Removal  | Sq. Ft. | 868.0  | 868.0                   |                            |                         |
| 70400100   | Temporary Concrete Barrier   | Foot    | 350.0  | 350.0                   |                            |                         |
| 70400200   | Relocate Temporary Concrete Barrier                                      | Foot    | 325.0  | 325.0                   |                            |                         |
| * 78001110 | Paint Pavement Marking - Line 4"   | Foot    | 3910.0 | 3910.0                  |                            |                         |
| ✕ 78200410 | Guardrail Markers, Type A  | Each    | 16.0   | 16.0                    |                            |                         |
| ✕ 78201000 | Terminal Marker - Direct Applied   | Each    | 4.0    | 4.0                     |                            |                         |
| 78300100   | Pavement Marking Removal   | Sq. Ft. | 811.0  | 811.0                   |                            |                         |
| ✕ A2006714 | TREE, Quercus Macrocarpa (Bur Oak), 1-3/4" Caliper, Balled and Burlapped | Each    | 14.0   | 14.0                    |                            |                         |
| ✕ C2001548 | SHRUB, Cornus Racemosa (Grey Dogwood), 4' Height, Balled and Burlapped   | Each    | 20.0   | 20.0                    |                            |                         |
| X0323660   | Drop Box No.1  | Each    | 1.0    |                         |                            | 1                       |
| X0712400   | Temporary Pavement   | Sq. Yd. | 383.3  | 383.3                   |                            |                         |
| Z0013798   | Construction Layout  | L Sum   | 1.0    | 1.0                     |                            |                         |
| Z0023600   | Filling Existing Culverts  | Each    | 1.0    | 1.0                     |                            |                         |
| Z0030250   | Impact Attenuators, Temporary (Non-Directive), Test Level 3              | Each    | 2.0    | 2.0                     |                            |                         |
| Z0030350   | Impact Attenuators, Relocate (Non-Directive), Test Level 3               | Each    | 2.0    | 2.0                     |                            |                         |

\* SPECIALTY ITEM  
: ) NON-PARTICIPATING  
100% STATE

# GENERAL NOTES

| ROUTE NO.            | SEC.     | COUNTY  | TOTAL SHEETS | SHEET NO. |
|----------------------|----------|---------|--------------|-----------|
| FAS 1177<br>(IL 251) | 111T     | LaSalle |              | 3         |
| FED ROAD DIST. NO.   | ILLINOIS | PROJECT |              |           |
| Contract #64A07      |          |         |              |           |

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.

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.

Previously pugmilled stockpiles of "Type A" older than 1 month will not be approved for use until a moisture check is run to verify moisture content. Material shipped to projects without being tested will not be accepted.

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.

- (MU is **more** than 200 ADT)

The minimum patch dimension for full-depth patches will be 1.2 m (four feet) and half-lane width. Half-lane patches shall be confined to the outside edges of the pavement.

- (MU is **less** than 200 ADT)

The minimum patch dimension for full-depth patches will be as shown on State Standard 442201.

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):                           | Top Shoulder   | Bottom Shoulder |  |
|--|----------------|-----------------|--|
| PG:  | PG 58-22       | PG 58-22        |  |
| RAP% (Max.)                                | 30             |                 |  |
| Design Air Voids                           | 3 @ N50        | 2 @ N50         |  |
| Mixture Composition<br>(Gradation Mixture) | IL 9.5 or 12.5 | BAM             |  |
| Friction Aggregate                         | C              | N/A             |  |
| 20 Year ESAL                               | N/A            | N/A             |  |

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

This structure will retain the same number 050-0015.

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)

The review and approval of temporary sheet piling will require 4 to 6 weeks. The Contractor shall schedule his work accordingly.

The boring logs for this structure indicate that groundwater levels may encroach on the construction limits of this culvert. It shall be the responsibility of the contractor to control the ground water and divert the stream flow during construction in order to keep the construction area free of water. The method of controlling the water shall be subject to approval of the Engineer and the cost shall be included in the contract unit price for Precast Concrete Box Culverts.

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.

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.

The Contractor shall supply the Resident Engineer with the manufacturer's installation requirements for the type of Steel Plate Beam Guardrail Terminal Type 1 Special (Tangent) or Steel Plate Beam Guardrail Terminal Type I Special (Flared).

One 16d galvanized nail shall be used to toe nail the wood block out to the wood post on all Traffic Barrier Terminal Type I Specials.

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 the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

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: 4 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.

The temporary concrete barrier shall be anchored to the pavement with 6 anchors per section at the following locations:

Sta. 2518+67.4 to 2522+15.8 (Stage I)  
Sta. 2519+54.9 to 2522+79.3 (Stage II)

# GENERAL NOTES

| ROUTE NO.            | SEC.     | COUNTY  | TOTAL SHEETS | SHEET NO. |
|----------------------|----------|---------|--------------|-----------|
| FAS 1177<br>(IL 251) | 111T     | LaSalle |              | 4         |
| FED ROAD DIST. NO.   | ILLINOIS | PROJECT |              |           |
| Contract #64A07      |          |         |              |           |

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.  
NICOR Gas Co.

Verizon  
Comcast

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.

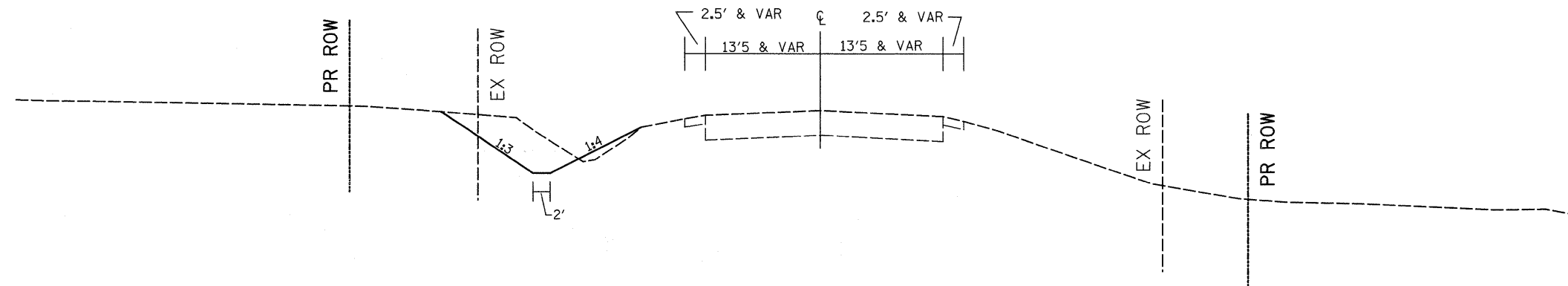
CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any 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.

Program #5  
(Arch. Size)  
Enlarge  
200%  
Enlarge 107%

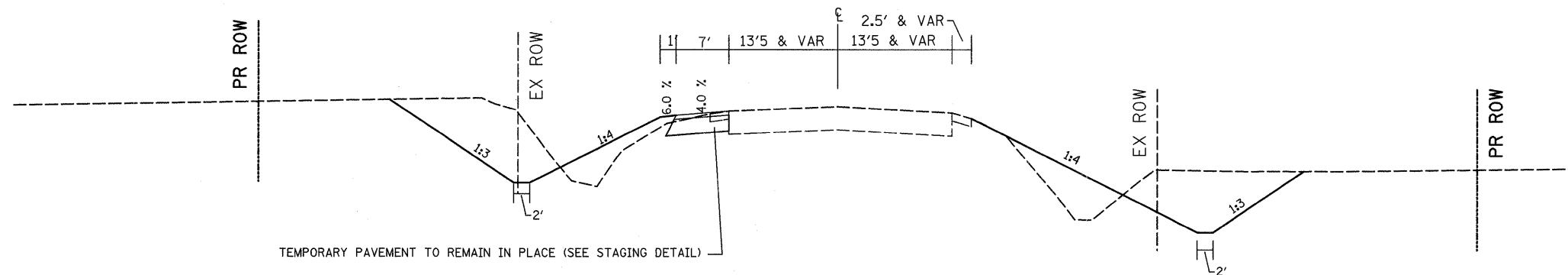


# TYPICAL SECTIONS

2471+50 - 2472+00



2472+29.33 - 2475+98.54  
EXCLUDING PATCH AREAS

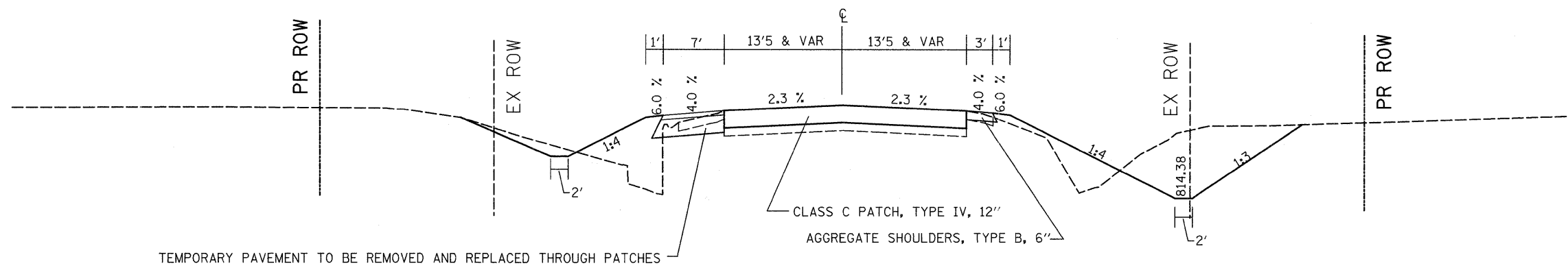


TEMPORARY PAVEMENT TO REMAIN IN PLACE (SEE STAGING DETAIL)

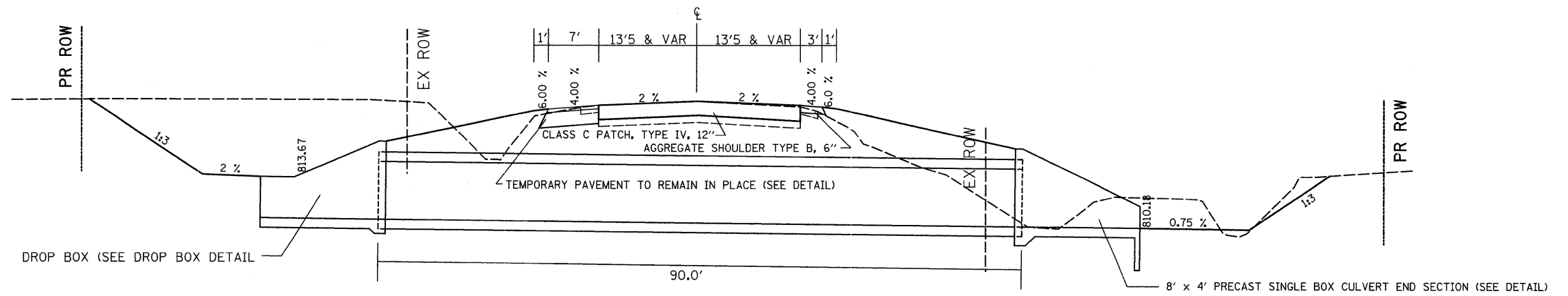
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|---|--------------------|------------|-----------|---|---|-----------|----|-------------|---------|---------|--------------|-----------|---------|----|---|
| FILE NAME =   | USER NAME = fordjd | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b>                                 |           |    | F.A.S. RTE. | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |         |    |   |
| c:\pwwork\pwwork\fordjd\dms33877\0264607-sht-typcal.dgn |                    | DRAWN -    | REVISED - |   | SCALE:  | SHEET NO. | OF | SHEETS      | STA.    | TO STA. | 1177         | 111T      | LASALLE | 59 | 5 |
| PLOT SCALE = 50.0000' / IN.                             |                    | CHECKED -  | REVISED - |   | CONTRACT NO. 64A07                            |           |    |             |         |         |              |           |         |    |   |
| PLOT DATE = Wed Dec 24 14:21:45 2008                    |                    | DATE -     | REVISED - |   | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |           |    |             |         |         |              |           |         |    |   |

# TYPICAL SECTIONS

2472+54.3 - 2472+95.7  
 2475+13.0 - 2475+73.5  
 TYPICAL SECTION THROUGH PATCH



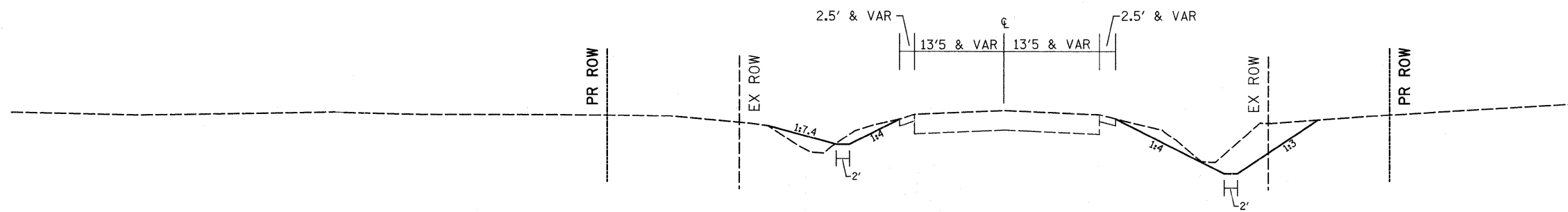
2472+75  
 Section Through 8' X 4' Precast Box Culvert



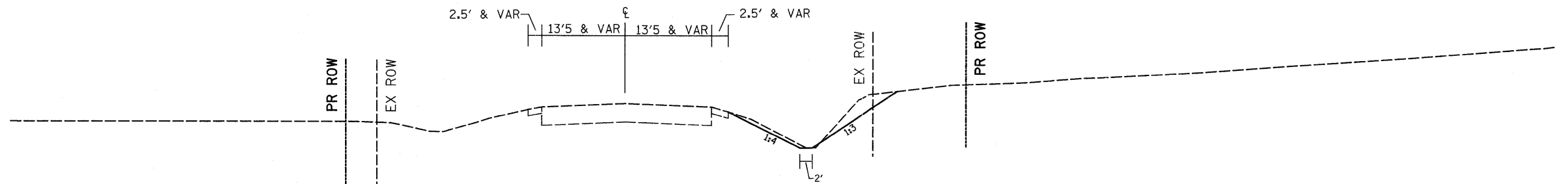
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|---|-----------------------------|------------|-----------|---|---------------|-----------|----|--------|---|---------|--------|--------------|-----------|----|---|
| FILE NAME =   | USER NAME = ferdjd          | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b> |           |    |        | F.A.S. RTE.                                   | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |    |   |
| c:\pw_work\p\dot\Ferdjd\dms33877\026407-sht-typico1.dgn | PLOT SCALE = 50.0000' / IN. | DRAWN -    | REVISED - |   | SCALE:        | SHEET NO. | OF | SHEETS | STA.  | TO STA. | 1177   | 111T         | LASALLE   | 59 | 6 |
| PLOT DATE = Wed Dec 24 14:21:46 2008                    | DATE -                      | CHECKED -  | REVISED - |   |               |           |    |        | CONTRACT NO. 64A07                            |         |        |              |           |    |   |
|   |                             |            |           |   |               |           |    |        | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |        |              |           |    |   |

# TYPICAL SECTIONS

2476+00 - 2477+00

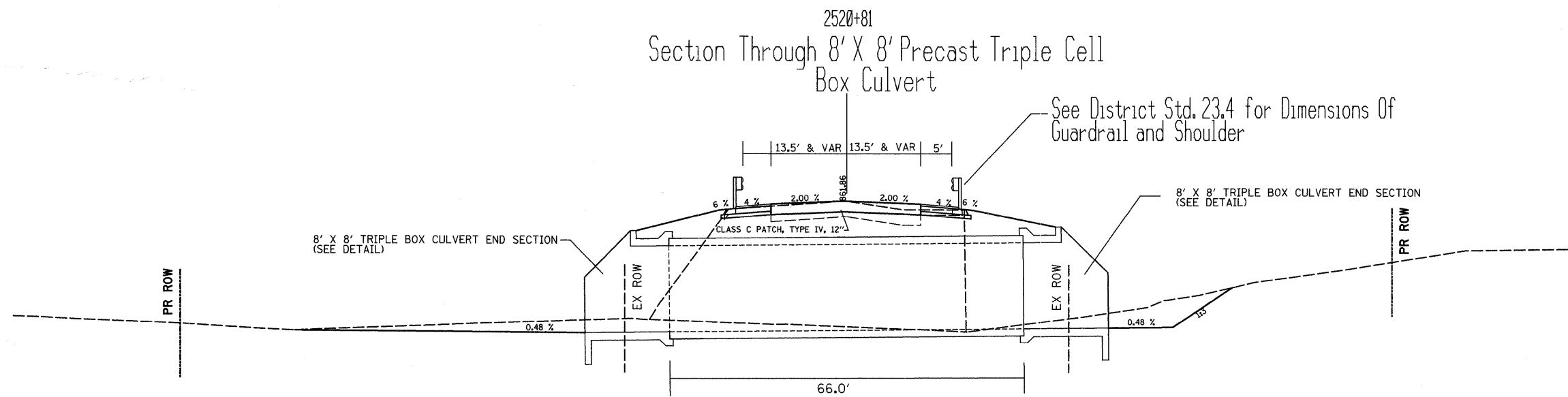
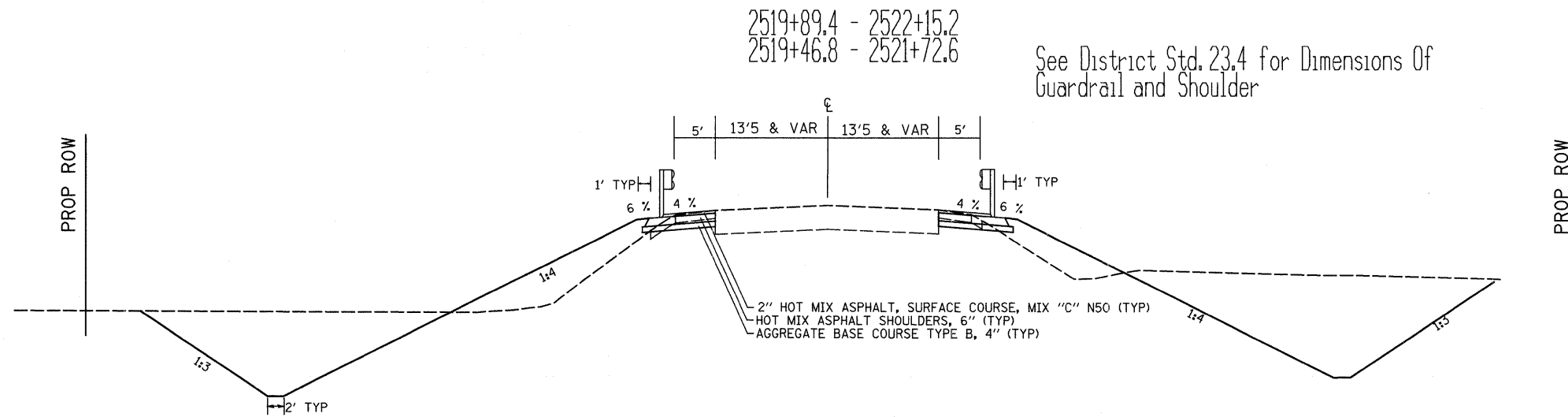


2477+50



|  |                             |            |           |   |                    |           |         |        |              |         |                     |                           |           |
|--|-----------------------------|------------|-----------|---|--------------------|-----------|---------|--------|--------------|---------|---------------------|---------------------------|-----------|
| FILE NAME =  | USER NAME = fordjd          | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b>      |           |         |        | F.A.S. RTE.: | SECTION | COUNTY              | TOTAL SHEETS              | SHEET NO. |
| cr:\pw\work\p1\rdot\fordjd\dms33877\026407-sht-typico1.dgn | PLOT SCALE = 50.0000' / IN. | DRAWN -    | REVISED - |   | 1177               | 111T      | LASALLE | 59     | 7            |         |                     |                           |           |
| PLOT DATE = Wed Dec 24 14:21:46 2008                       | DATE -                      | CHECKED -  | REVISED - |   | CONTRACT NO. 64A07 |           |         |        |              |         |                     |                           |           |
|  |                             |            |           |   | SCALE:             | SHEET NO. | OF      | SHEETS | STA.         | TO STA. | FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |           |

# TYPICAL SECTIONS



N 1797067.8318  
E 258067.7249

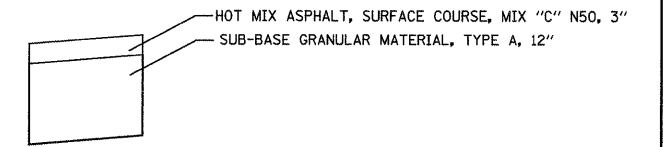
HOT MIX ASPHALT, SURFACE COURSE, MIX "C" N50 RATE OF APPLICATION = 112 lb/sq. yd./in.  
HOT MIX ASPHALT SHOULDERS, 6" RATE OF APPLICATION = 112 lb/sq. yd./in.  
ALL TEMPORARY PAVEMENT MARKINGS ARE TYPE III  
LOCATION TO BE DETERMINED FROM THE SCHEDULE OF QUANTITIES

|   |                             |            |           |   |               |                    |           |         |              |           |         |
|---|-----------------------------|------------|-----------|---|---------------|--------------------|-----------|---------|--------------|-----------|---------|
| FILE NAME =   | USER NAME = fordjd          | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b> | F.A.S. RTE.        | SECTION   | COUNTY  | TOTAL SHEETS | SHEET NO. |         |
| at:\pw_work\pwsdos\Fordjd\dms33877\0264407-sh-typ10a1.dgn | PLOT SCALE = 50.0000' / IN. | DRAWN -    | REVISED - |   |               | 1177               | 111T      | LASALLE | 59           | 8         |         |
| PLOT DATE = Wed Dec 24 14:21:46 2008                      | DATE -                      | CHECKED -  | REVISED - |   |               | CONTRACT NO. 64A07 |           |         |              |           |         |
|   |                             | DATE -     | REVISED - |   |               | SCALE:             | SHEET NO. | OF      | SHEETS       | STA.      | TO STA. |

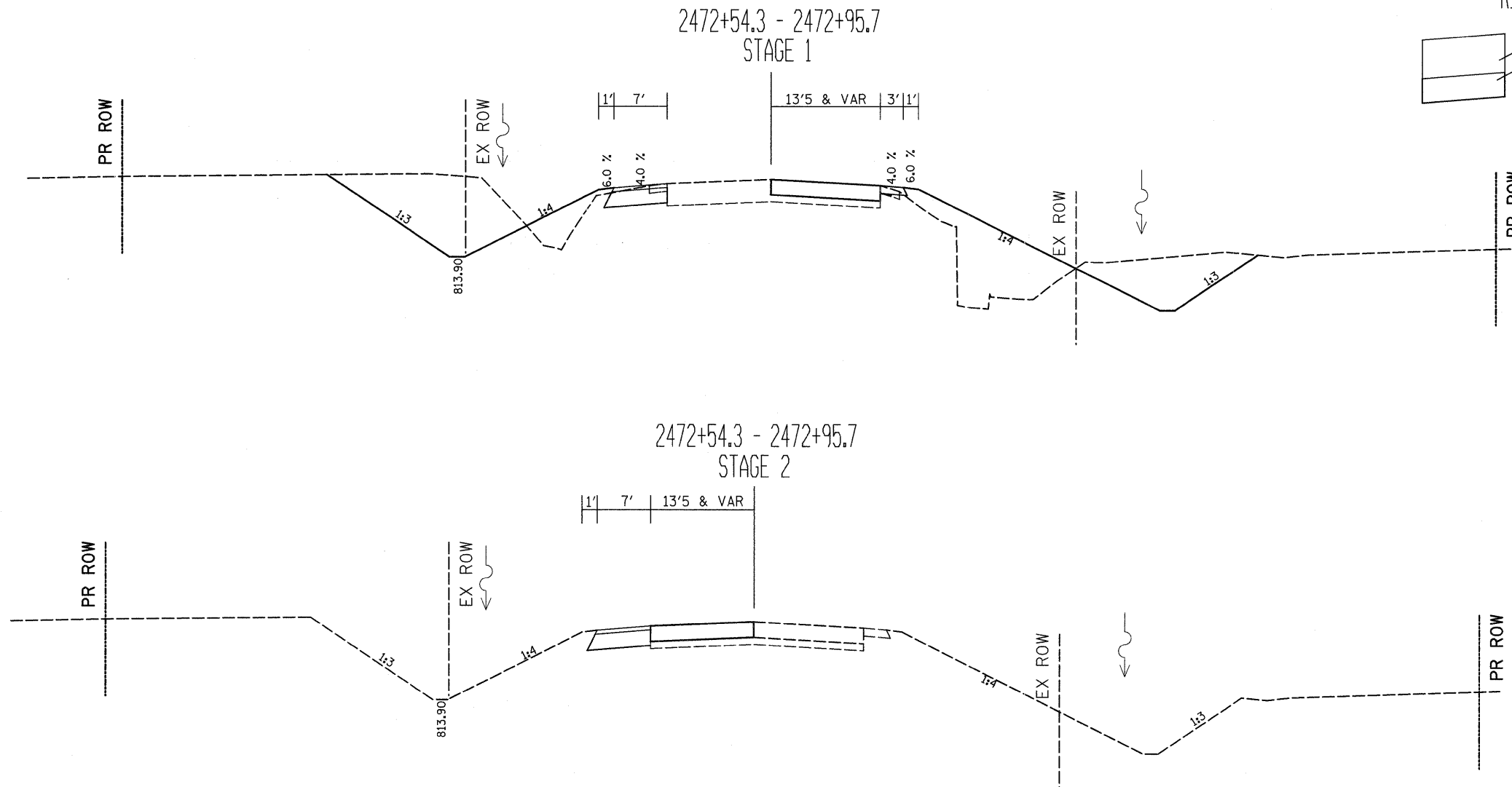
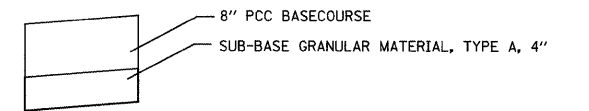
# STAGING TYPICAL SECTIONS

## TEMPORARY PAVEMENT & SUB-BASE DETAIL

### FLEXIBLE PAVEMENT OPTION



### RIGID PAVEMENT OPTION



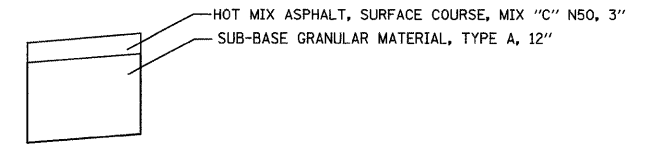
HOT MIX ASPHALT, SURFACE COURSE, MIX "C" N50 RATE OF APPLICATION = 112 lb/sq. yd./In.  
HOT MIX ASPHALT SHOULDERS, 6" RATE OF APPLICATION = 112 lb/sq. yd./In.  
ALL TEMPORARY PAVEMENT MARKINGS ARE TYPE III  
LOCATION TO BE DETERMINED FROM THE SCHEDULE OF QUANTITIES

|  |                    |            |           |   |   |           |    |        |             |         |        |              |           |    |   |
|--|--------------------|------------|-----------|---|---|-----------|----|--------|-------------|---------|--------|--------------|-----------|----|---|
| FILE NAME =  | USER NAME = fordjd | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b>                                 |           |    |        | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |    |   |
| ci:\pw_work\p\rdot\Fordjd\dms33877\026407-ah-typical.dgn |                    | DRAWN -    | REVISED - |   | SCALE:  | SHEET NO. | OF | SHEETS | STA.        | TO STA. | 1177   | 111T         | LASALLE   | 59 | 9 |
| PLOT SCALE = 50,0000 ' / IN.                             |                    | CHECKED -  | REVISED - |   | CONTRACT NO. 64A07                            |           |    |        |             |         |        |              |           |    |   |
| PLOT DATE = Wed Dec 24 14:21:46 2008                     |                    | DATE -     | REVISED - |   | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |           |    |        |             |         |        |              |           |    |   |

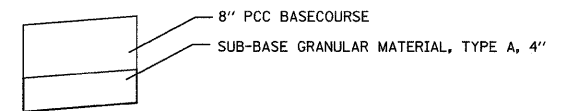
# STAGING TYPICAL SECTIONS

## TEMPORARY PAVEMENT & SUB-BASE DETAIL

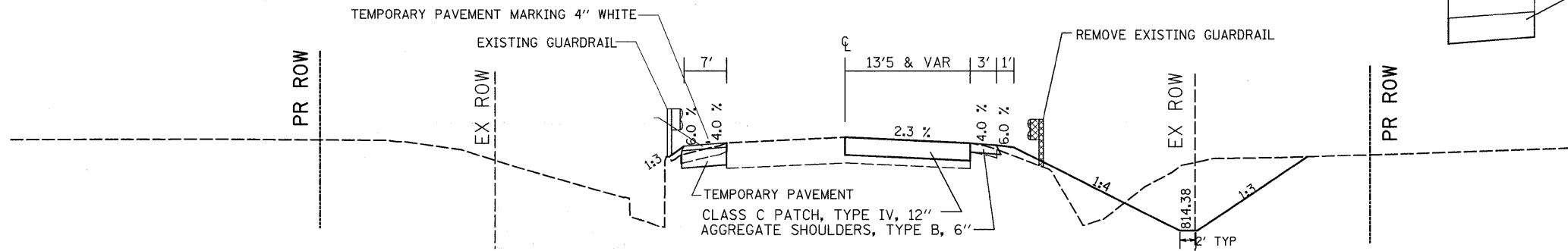
### FLEXIBLE PAVEMENT OPTION



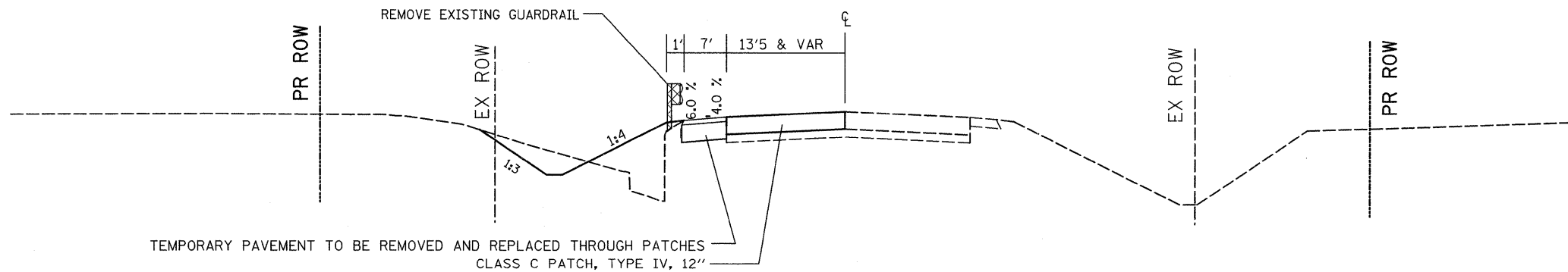
### RIGID PAVEMENT OPTION



2475+13 - 2475+73.5  
STAGE 1



2475+13 - 2475+73.5  
STAGE 2

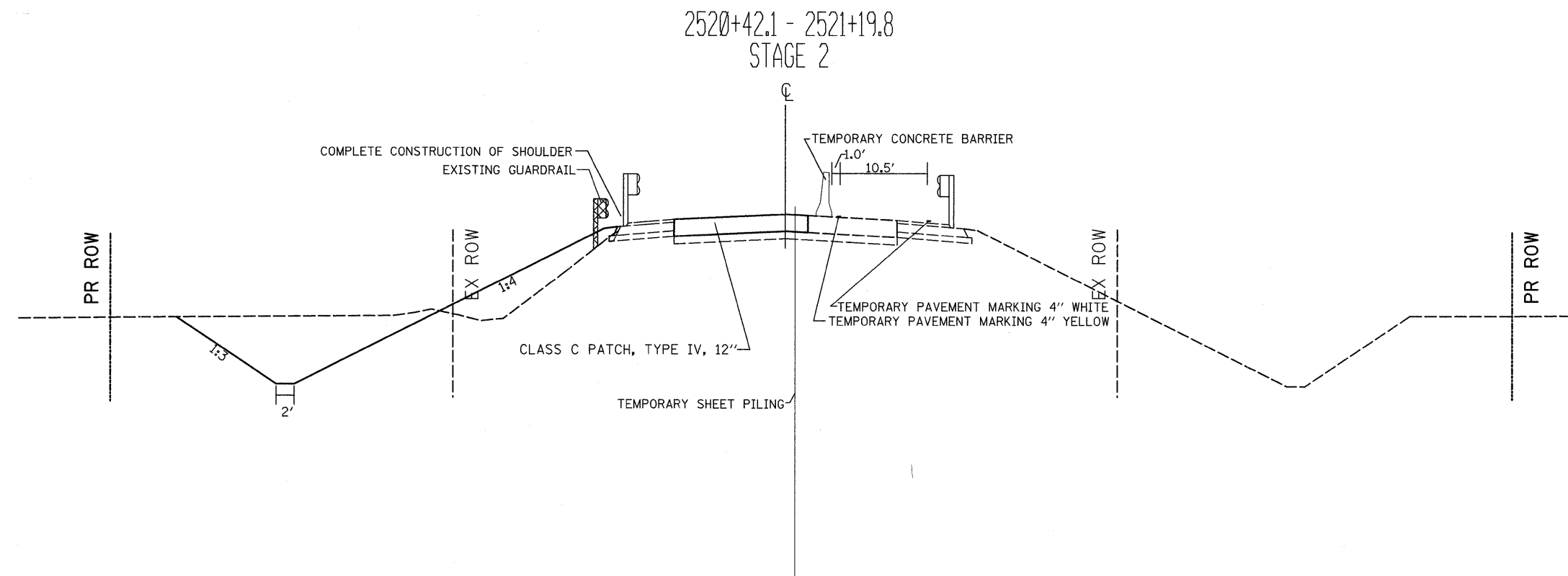
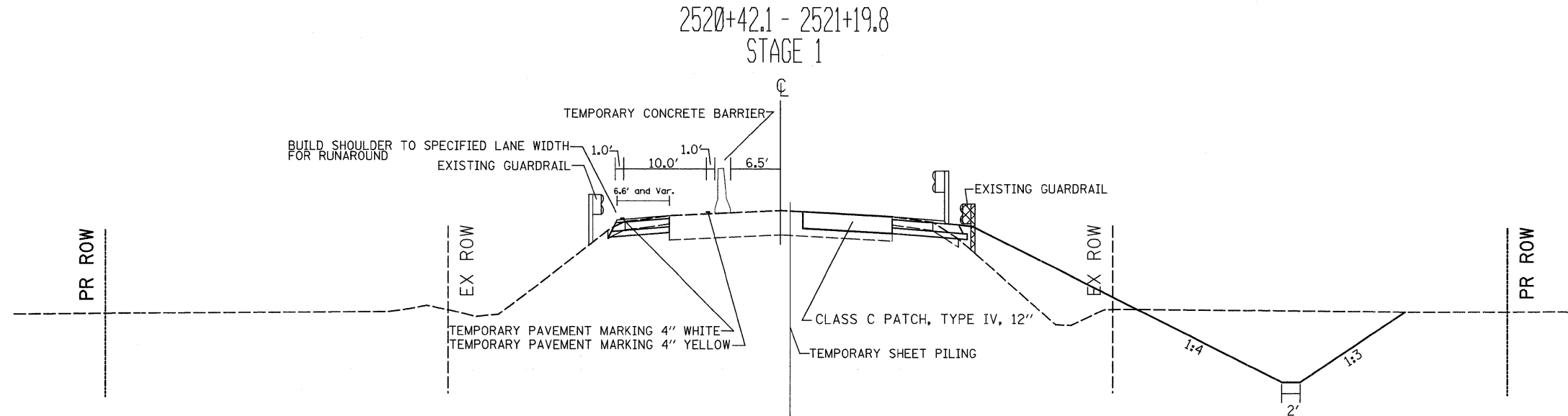


HOT MIX ASPHALT, SURFACE COURSE, MIX "C" N50 RATE OF APPLICATION = 112 lb/sq. yd./in.  
HOT MIX ASPHALT SHOULDERS, 6" RATE OF APPLICATION = 112 lb/sq. yd./in.  
ALL TEMPORARY PAVEMENT MARKINGS ARE TYPE III  
LOCATION TO BE DETERMINED FROM THE SCHEDULE OF QUANTITIES

|   |                    |            |           |   |   |           |    |        |             |         |        |              |           |    |    |
|---|--------------------|------------|-----------|---|---|-----------|----|--------|-------------|---------|--------|--------------|-----------|----|----|
| FILE NAME =   | USER NAME = fordjd | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b>                                 |           |    |        | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |    |    |
| ct\pw_work\pwidot\fordjd\dms33877\0264407-sht-typico1.dgn |                    | DRAWN -    | REVISED - |   | SCALE:  | SHEET NO. | OF | SHEETS | STA.        | TO STA. | 1177   | 111T         | LASALLE   | 59 | 10 |
| PLOT SCALE = 50.0000' / IN.                               |                    | CHECKED -  | REVISED - |   | CONTRACT NO. 64A07                            |           |    |        |             |         |        |              |           |    |    |
| PLOT DATE = Wed Dec 24 14:21:46 2008                      |                    | DATE -     | REVISED - |   | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |           |    |        |             |         |        |              |           |    |    |

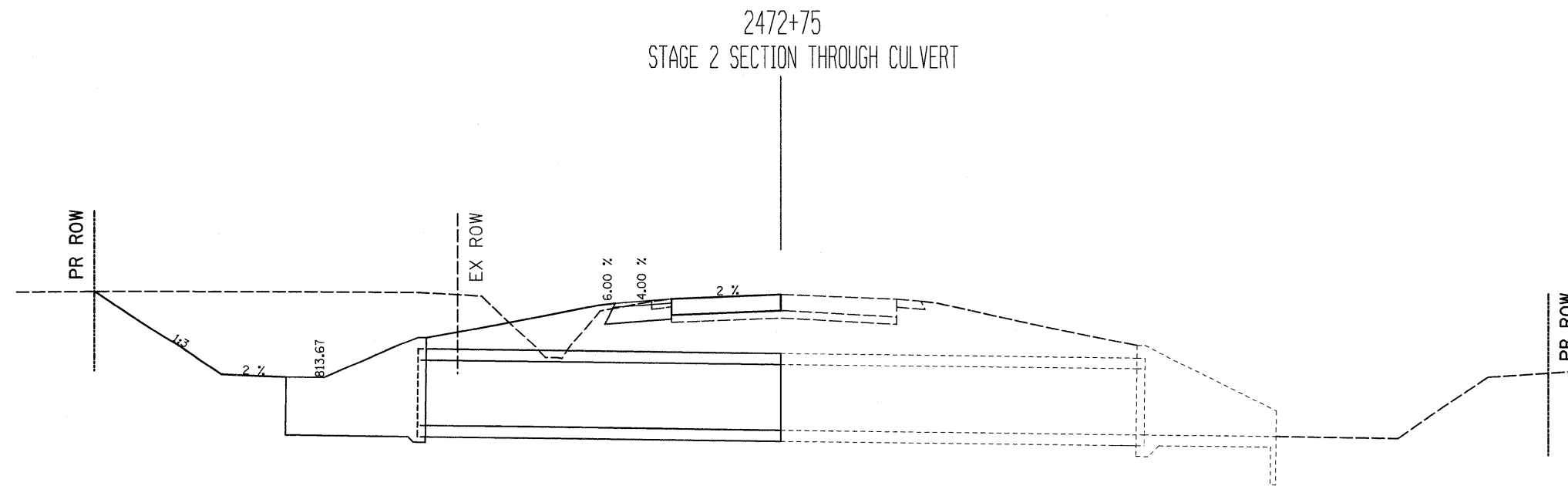
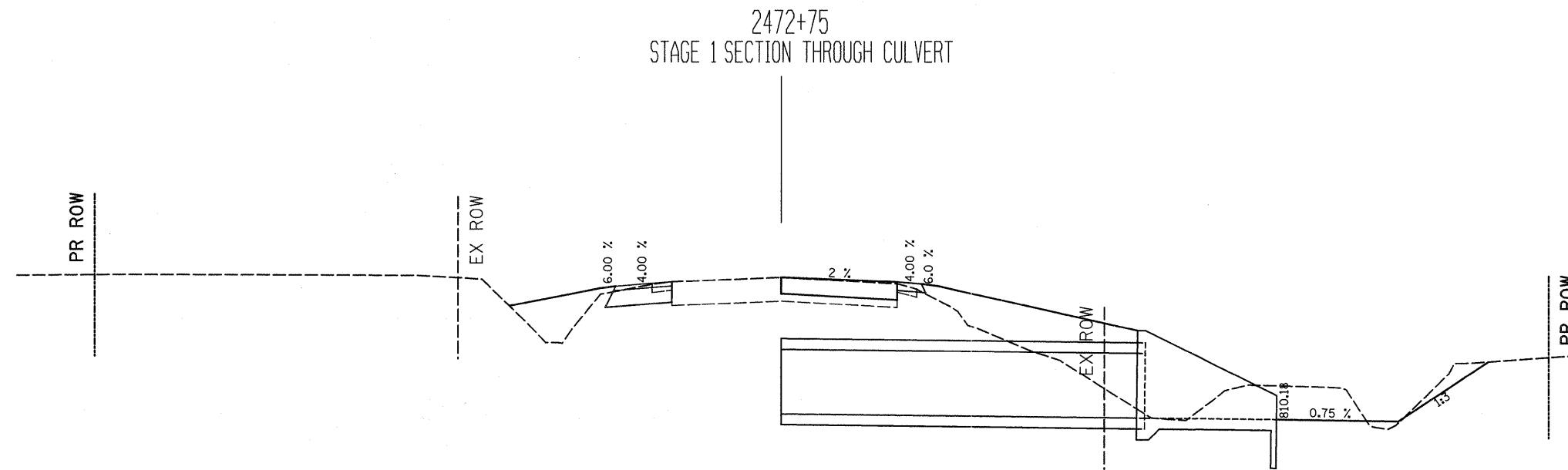


# STAGING TYPICAL SECTIONS



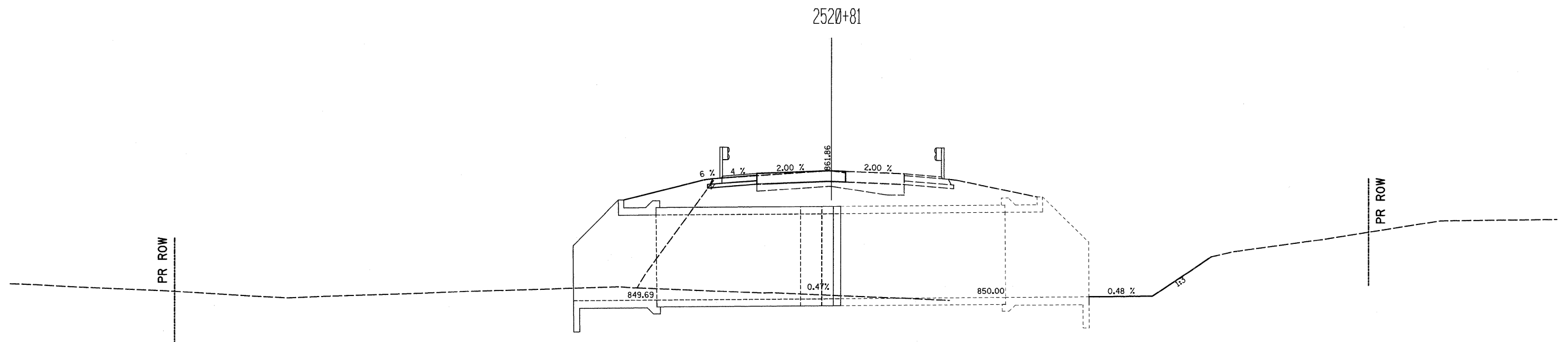
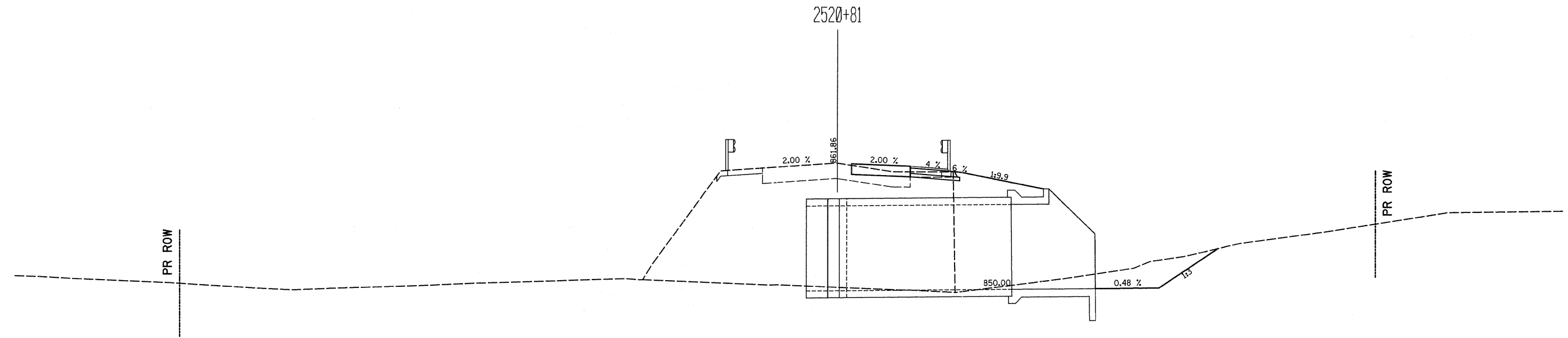
|  |                    |            |           |   |               |    |        |                     |                           |         |              |           |
|--|--------------------|------------|-----------|---|---------------|----|--------|---------------------|---------------------------|---------|--------------|-----------|
| FILE NAME =  | USER NAME = Fordjd | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b> |    |        | F.A.S. RTE.         | SECTION                   | COUNTY  | TOTAL SHEETS | SHEET NO. |
| c:\pw_work\p\rdot\Fordjd\dms33877\026407-sht-typ1001.dgn |                    | DRAWN -    | REVISED - |   |               |    |        | 1177                | 111T                      | LASALLE | 59           | 11        |
| PLOT SCALE = 50.0000' / IN.                              |                    | CHECKED -  | REVISED - |   |               |    |        | CONTRACT NO. 64A07  |                           |         |              |           |
| PLOT DATE = Wed Dec 24 14:21:47 2008                     |                    | DATE -     | REVISED - |   |               |    |        | FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |         |              |           |
|  |                    |            |           | SCALE:  | SHEET NO.     | OF | SHEETS | STA.                | TO STA.                   |         |              |           |

# STAGING TYPICAL SECTIONS



|   |                    |            |           |   |   |           |    |        |                |         |        |                 |              |    |    |
|---|--------------------|------------|-----------|---|---|-----------|----|--------|----------------|---------|--------|-----------------|--------------|----|----|
| FILE NAME =   | USER NAME = fordjd | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b>                                 |           |    |        | F.A.S.<br>RTE. | SECTION | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |    |    |
| ct:\pw_work\p\rdot\fordjd\dms33877\026407-sh1-typical.dgn |                    | DRAWN -    | REVISED - |   | SCALE:  | SHEET NO. | OF | SHEETS | STA.           | TO STA. | 1177   | 111T            | LASALLE      | 59 | 12 |
| PLOT SCALE = 50.0000' / IN.                               |                    | CHECKED -  | REVISED - |   | CONTRACT NO. 64A07                            |           |    |        |                |         |        |                 |              |    |    |
| PLOT DATE = Wed Dec 24 14:21:47 2008                      |                    | DATE -     | REVISED - |   | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |           |    |        |                |         |        |                 |              |    |    |

# STAGING TYPICAL SECTIONS



|  |                                      |            |           |   |               |           |    |        |   |         |        |              |           |    |    |
|--|--------------------------------------|------------|-----------|---|---------------|-----------|----|--------|---|---------|--------|--------------|-----------|----|----|
| FILE NAME =  | USER NAME = ferdjd                   | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b> |           |    |        | F.A.S. RTE.                                   | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |    |    |
| ct:\pw_work\pwsdot\Ferdjd\dms33877\026407-ah-typical.dgn | PLOT SCALE = 50.0000' / IN.          | DRAWN -    | REVISED - |   | SCALE:        | SHEET NO. | OF | SHEETS | STA.  | TO STA. | 1177   | 111T         | LASALLE   | 59 | 13 |
|  | PLOT DATE = Wed Dec 24 14:21:47 2008 | CHECKED -  | REVISED - |   |               |           |    |        | CONTRACT NO. 64A07                            |         |        |              |           |    |    |
|  |                                      | DATE -     | REVISED - |   |               |           |    |        | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |        |              |           |    |    |

# Schedule of Quantities

| Pay Item #            | Description                                 | Unit    | Comments |
|-----------------------|---|---------|----------|
| 20100110              | Tree Removal (6 to 15 diameter units)       | Unit    |          |
| <u>Location</u>       |   |         |          |
| 2473 + 38.9           | 24.6' RT                                    | 12      |          |
| 2473 + 38.9           | 24.6' RT                                    | 12      |          |
| 2473 + 38.9           | 24.6' RT                                    | 8       |          |
| 2473 + 38.9           | 24.6' RT                                    | 8       |          |
| 2474 + 76.0           | 40.4' RT                                    | 12      |          |
| 2474 + 81.9           | 40.9' RT                                    | 12      |          |
| 2474 + 86.1           | 41.3' RT                                    | 8       |          |
| 2474 + 86.1           | 41.3' RT                                    | 8       |          |
| 2475 + 39.8           | 35.9' RT                                    | 12      |          |
| 2475 + 42.0           | 45.0' RT                                    | 10      |          |
| 2475 + 47.8           | 55.2' RT                                    | 8       |          |
| 2477 + 82.0           | 41.6' RT                                    | 10      |          |
| 2471 + 50.1           | 33.6' LT                                    | 6       |          |
| Total =               |   | 126     |          |
| 20100210              | Tree Removal (Over 15 diameter units)       | Unit    |          |
| <u>Location</u>       |   |         |          |
| 2471 + 76.1           | 34.3' RT                                    | 30      |          |
| 2475 + 83.6           | 39.2' RT                                    | 18      |          |
| 2475 + 92.6           | 40.0' RT                                    | 24      |          |
| 2476 + 52.6           | 39.5' RT                                    | 16      |          |
| 2475 + 12.45          | 31.7' LT                                    | 36      |          |
| Total =               |   | 124     |          |
| 20100500              | Tree Removal, Acres                         | Acre    |          |
| <u>Location</u>       |   |         |          |
| 2472 + 00 - 2473 + 40 | RT  | 0.19    |          |
| Total =               |   | 0.19    |          |
| 20200100              | Earth Excavation                            | Cu. Yd. |          |
| <u>Location</u>       |   |         |          |
| <u>Stage 1</u>        |   |         |          |
| 2471 + 00 - 2478 + 00 | RT  | 654.8   |          |
| 2471 + 00 - 2478 + 00 | LT  | 759.4   |          |
| 2518 + 00 - 2523 + 00 | RT  | 101.7   |          |
| 2518 + 00 - 2523 + 50 | LT  | 1202.6  |          |
| <u>Stage 2</u>        |   |         |          |
| 2518 + 00 - 2523 + 00 | RT  | 1294.6  |          |
| Total =               |   | 4013.10 |          |
| 20201200              | Removal and Disposal of Unsuitable Material | Cu. Yd. |          |
| <u>Location</u>       |   |         |          |
| Where Necessary       |   |         |          |
| Total =               |   | 500     |          |
| 25000210              | Seeding Class 2A                            | Acre    |          |
| <u>Location</u>       |   |         |          |
| 2472 + 50 - 2478 + 50 | RT  | 0.26    |          |
| 2471 + 00 - 2478 + 00 | LT  | 0.18    |          |
| 2518 + 00 - 2523 + 50 | RT  | 0.37    |          |
| 2518 + 00 - 2523 + 50 | LT  | 0.40    |          |
| Total =               |   | 1.20    |          |
| 25000310              | Seeding Class 4                             | Acre    |          |
| <u>Location</u>       |   |         |          |
| 2472 + 50 - 2478 + 50 | RT  | 0.15    |          |
| 2471 + 00 - 2478 + 00 | LT  | 0.20    |          |
| 2518 + 00 - 2523 + 50 | RT  | 0.15    |          |
| 2518 + 00 - 2523 + 50 | LT  | 0.14    |          |
| Total =               |   | 0.63    |          |

| Pay Item #               | Description                       | Unit    | Comments    |
|--------------------------|-----------------------------------|---------|-------------|
| 25000400                 | Nitrogen Nutrient Fertilizer      | Pound   |             |
| <u>Location</u>          |                                   |         |             |
| 2471 + 00 - 2478 + 00    | RT                                | 36.5    |             |
| 2471 + 00 - 2478 + 00    | LT                                | 33.9    |             |
| 2518 + 00 - 2523 + 00    | RT                                | 46.8    |             |
| 2518 + 00 - 2523 + 00    | LT                                | 47.8    |             |
| Total =                  |                                   | 180.0   |             |
| 25000500                 | Phosphorus Nutrient Fertilizer    | Pound   |             |
| <u>Location</u>          |                                   |         |             |
| 2471 + 00 - 2478 + 00    | RT                                | 36.5    |             |
| 2471 + 00 - 2478 + 00    | LT                                | 33.9    |             |
| 2518 + 00 - 2523 + 00    | RT                                | 46.8    |             |
| 2518 + 00 - 2523 + 00    | LT                                | 47.8    |             |
| Total =                  |                                   | 180.0   |             |
| 25000600                 | Potassium Nutrient Fertilizer     | Pound   |             |
| <u>Location</u>          |                                   |         |             |
| 2471 + 00 - 2478 + 00    | RT                                | 36.5    |             |
| 2471 + 00 - 2478 + 00    | LT                                | 33.9    |             |
| 2518 + 00 - 2523 + 00    | RT                                | 46.8    |             |
| 2518 + 00 - 2523 + 00    | LT                                | 47.8    |             |
| Total =                  |                                   | 180.0   |             |
| 25100115                 | Mulch Method 2                    | Acre    |             |
| <u>Location</u>          |                                   |         |             |
| 2472 + 50 - 2478 + 50    | RT                                | 0.41    |             |
| 2471 + 00 - 2478 + 00    | LT                                | 0.38    |             |
| 2518 + 00 - 2523 + 50    | RT                                | 0.52    |             |
| 2518 + 00 - 2523 + 50    | LT                                | 0.54    |             |
| Total =                  |                                   | 1.85    |             |
| 25100630                 | Erosion Control Blanket           | Sq. Yd. |             |
| <u>Location</u>          |                                   |         |             |
| 2471 + 50 - 2472 + 50    | LT                                | 66.91   |             |
| 2473 + 00 - 2474 + 50    | LT                                | 100.07  |             |
| 2473 + 00 - 2474 + 50    | RT                                | 100.12  |             |
| 2474 + 50 - 2477 + 00    | LT                                | 166.77  |             |
| 2474 + 50 - 2477 + 50    | RT                                | 200.20  |             |
| 2518 + 33 - 2519 + 50    | LT                                | 79.29   |             |
| 2518 + 33 - 2519 + 50    | LT                                | 79.57   |             |
| 2519 + 50 - 2520 + 40    | LT                                | 60.77   |             |
| 2520 + 81 - 2523 + 00    | LT                                | 147.90  |             |
| 2519 + 50 - 2520 + 75    | RT                                | 84.07   |             |
| 2521 + 25 - 2523 + 00    | RT                                | 118.59  |             |
| Total =                  |                                   | 1204.25 |             |
| 28000250                 | Temporary Erosion Control Seeding | Pound   |             |
| <u>Location</u>          |                                   |         |             |
| 2472 + 50 - 2478 + 50    | RT                                | 275.00  |             |
| 2471 + 00 - 2478 + 00    | LT                                | 275.00  |             |
| 2518 + 00 - 2523 + 50    | RT                                | 325.00  |             |
| 2518 + 00 - 2523 + 50    | LT                                | 325.00  |             |
| Total =                  |                                   | 1200.00 |             |
| 28000300                 | Temporary Ditch Checks            | Each    |             |
| <u>Location</u>          |                                   |         |             |
| 2471 + 00 - 2471 + 50    | LT                                | 1       | 20' Centers |
| 2471 + 50 - 2472 + 50    | LT                                | 3       | 33' Centers |
| 2472 + 50 - 2477 + 00    | LT                                | 9       | 50' Centers |
|                          |                                   |         |             |
| 2518 + 00 - 2519 + 50    | LT                                | 5       | 33' Centers |
| 2519 + 50 - 2520 + 00    | LT                                | 2       | 25' Centers |
| 2520 + 00 - 2520 + 38.75 | LT                                | 1       | 40' Centers |
| 2520 + 81.6 - 2523 + 00  | LT                                | 10      | 25' Centers |

# Schedule of Quantities

| Pay Item #                     | Description                                  | Unit          | Comments    | Pay Item #                             | Description                             | Unit          | Comments     |
|--------------------------------|--|---------------|-------------|--|---|---------------|--------------|
| 2473+00 - 2477+50              | RT   | 10            | 50' Centers | 2520+72.0 LT                           |   | 9600          |              |
| 2518+00 - 2520+75              | RT   | 10            | 25' Centers | 2520+90.0 RT                           |   | 9600          |              |
| 2521+30 - 2522+50              | RT   | 7             | 20' Centers | <b>Total=</b>                          |   | <b>19200</b>  |              |
| 2522+50 - 2523+00              | RT   | 2             | 25' Centers | 50800205                               | Reinforcement Bars, Epoxy Coated        | Pound         |              |
| <b>Total=</b>                  |  | <b>60</b>     |             | <u>Location</u>                        |   |               |              |
| 28000400                       | Perimeter Erosion Barrier                    | Foot          |             | 2520+72.0 LT                           |   | 370           |              |
| <u>Location</u>                |  |               |             | 2520+90.0 RT                           |   | 370           |              |
| 2476+00 - 2477+00 37' LT       |  | 100           |             | <b>Total=</b>                          |   | <b>740</b>    |              |
| <b>Total=</b>                  |  | <b>100</b>    |             | 51205200                               | Temporary Sheet Piling                  | Sq. Ft.       |              |
| 28000500                       | Inlet and Pipe Protection                    | Each          |             | <u>Location</u>                        |   |               |              |
| <u>Location</u>                |  |               |             | 2520+40.08 - 2520+66.55                | 0.65' RT                                | 1513.1        |              |
| 2472+75 56.67' LT              |  | 1             |             | <b>Total=</b>                          |   | <b>1513.1</b> |              |
| 2520+90.3 37.7' RT             |  | 1             |             | 51500100                               | Nameplate                               | Each          |              |
| <b>Total=</b>                  |  | <b>2</b>      |             | <u>Location</u>                        |   |               |              |
| 35101600                       | Aggregate Base Course, Type B 4"             | Sq. Yd.       |             | 2472+75 (See District Standard 89.4)   |   | 1             |              |
| <u>Location</u>                |  |               |             | 2520+81 (See State Standard 515001-03) |   | 1             |              |
| 2518+32.3 - 2522+88.9 RT       |  | 375.1         |             | <b>Total=</b>                          |   | <b>2</b>      |              |
| 2518+75.0 - 2523+19.0 LT       |  | 368.4         |             | 54001001                               | Box Culvert End Section, Culvert No. 01 | Each          |              |
| <b>Total=</b>                  |  | <b>744.0</b>  |             | <u>Location</u>                        |   |               |              |
| 40603310                       | Hot Mix Asphalt, Surface Course, Mix "C" N50 | Ton           |             | 2472+75 RT                             |   | 1             |              |
| <u>Location</u>                |  |               |             | <b>Total=</b>                          |   | <b>1</b>      |              |
| 2518+32.3 - 2522+88.9 RT 2"    |  | 42.06         |             | 54010804                               | Precast Concrete Box Culvert 8'x4'      | Foot          |              |
| 2518+75.0 - 2523+19.0 LT 2"    |  | 41.25         |             | <u>Location</u>                        |   |               |              |
| <b>Total=</b>                  |  | <b>83.3</b>   |             | 2472+75                                |   | 90            |              |
| 44201383                       | Class C Patches, Type IV, 12 inch            | Sq. Yd.       |             | <b>Total=</b>                          |   | <b>90</b>     |              |
| <u>Location</u>                |  |               |             | 54010808                               | Precast Concrete Box Culvert 8'x8'      | Foot          |              |
| 2472+54.3 - 2472+95.7          |  | 128           |             | <u>Location</u>                        |   |               |              |
| 2475+13.0 - 2475+73.5          |  | 188           |             | 2520+81                                | (THREE)                                 | 198           |              |
| 2520+42.1 - 2521+19.8          |  | 233           |             | <b>Total=</b>                          |   | <b>198</b>    |              |
| <b>Total=</b>                  |  | <b>549</b>    |             | 54003000                               | Concrete Box Culverts                   | Cu. Yd.       |              |
| 44300200                       | Strip Reflective Crack Control Treatment     | Foot          |             | <u>Location</u>                        |   |               |              |
| <u>Location</u>                |  |               |             | 2520+72.0 LT                           |   | 78.2          |              |
| 2519+15.1 - 2522+85.4 20.4' RT |  | 370           |             | 2520+90.0 RT                           |   | 78.2          |              |
| <b>Total=</b>                  |  | <b>370</b>    |             | <b>Total=</b>                          |   | <b>156.4</b>  |              |
| 48101500                       | Aggregate Shoulders, Type B 6"               | Sq. Yd.       |             | 61133100                               | Field Tile Junction Vaults, 2' Dia.     | Each          |              |
| <u>Location</u>                |  |               |             | <u>Location</u>                        |   |               |              |
| 2472+44.5 - 2473+05.5 RT       |  | 13.8          |             | 2472+84.5                              | 74.2' RT                                | 1             |              |
| 2475+20.5 - 2475+66.5          |  | 20.3          |             | 2475+16.41                             | 28.2' LT                                | 1             |              |
| <b>Total=</b>                  |  | <b>34.1</b>   |             | <b>Total=</b>                          |   | <b>2</b>      |              |
| 48203019                       | Hot-Mix Asphalt Shoulders, 6"                | Sq. Yd.       |             | 61140000                               | Storm Sewer, Special 8"                 | Foot          |              |
| <u>Location</u>                |  |               |             | <u>Location</u>                        |   |               |              |
| 2518+32.3 - 2522+88.9 RT       |  | 375.07        |             | 2472+84.5                              | 74.2' RT                                | 50            | If Necessary |
| 2518+75.0 - 2523+19.0 LT       |  | 368.38        |             | 2475+16.41                             | 28.2' LT                                | 50            | If Necessary |
| <b>Total=</b>                  |  | <b>743.45</b> |             | <b>Total=</b>                          |   | <b>100</b>    |              |
| 50100300                       | Removal of Existing Structures No. 1         | Each          |             | 61140100                               | Storm Sewer, Special 10"                | Foot          |              |
| <u>Location</u>                |  |               |             | <u>Location</u>                        |   |               |              |
| 2520+80.74                     |  | 1             |             | 2472+84.5                              | 74.2' RT                                | 50            | If Necessary |
| <b>Total=</b>                  |  | <b>1</b>      |             | 2475+16.41                             | 28.2' LT                                | 50            | If Necessary |
| 50100400                       | Removal of Existing Structures No. 2         | Each          |             | <b>Total=</b>                          |   | <b>100</b>    |              |
| <u>Location</u>                |  |               |             | 61140200                               | Storm Sewer, Special 12"                | Foot          |              |
| 2475+43.7                      |  | 1             |             | <u>Location</u>                        |   |               |              |
| <b>Total=</b>                  |  | <b>1</b>      |             | 2472+84.5                              | 74.2' RT                                | 50            | If Necessary |
| 50104400                       | Concrete Headwall Removal                    | Each          |             | 2475+16.41                             | 28.2' LT                                | 50            | If Necessary |
| <u>Location</u>                |  |               |             | <b>Total=</b>                          |   | <b>100</b>    |              |
| 2743+0.8                       |  | 1             |             | 63000000                               | Steel Plate Beam Guardrail, Type A      | Foot          |              |
| <b>Total=</b>                  |  | <b>1</b>      |             | <u>Location</u>                        |   |               |              |
| 50800105                       | Reinforcement Bars                           | Pound         |             | 2519+09.26 - 2522+10.09 RT             |   | 300.84        |              |
| <u>Location</u>                |  |               |             | 2519+51.91 - 2522+52.75 LT             |   | 300.84        |              |
| <b>Total=</b>                  |  | <b>612.5</b>  |             | <b>Total=</b>                          |   | <b>612.5</b>  |              |

# Schedule of Quantities

| Pay Item #  | Description   | Unit           | Comments      |
|---|---|----------------|---------------|
| 63100167  | Traffic Barrier Terminal, Type 1 (Special), Tangent | Each           |               |
| <u>Location</u>                                     |   |                |               |
| 2519 + 09.26  | RT  | 1              |               |
| 2522 + 10.09  | RT  | 1              |               |
| 2519 + 51.91  | LT  | 1              |               |
| 2522 + 52.75  | LT  | 1              |               |
|   |   | <b>Total =</b> | <b>4</b>      |
| 63200310  | Guardrail Removal                                   | Foot           |               |
| <u>Location</u>                                     |   |                |               |
| 2474 + 67.9 - 2475 + 95.9                           | RT  | 128.35         |               |
| 2474 + 91.3 - 2476 + 19.2                           | LT  | 128.2          |               |
| 2519 + 29.76 - 2522 + 31.69                         | RT  | 319.75         |               |
| 2519 + 29.69 - 2522 + 31.61                         | LT  | 322.06         |               |
|   |   | <b>Total =</b> | <b>898.36</b> |
| 63500105  | Delineators   | Each           |               |
| <u>Location</u>                                     |   |                |               |
| 2472 + 70.3   | 57.2' LT  | 1              |               |
| 2472 + 70.3   | 61.8' LT  | 1              |               |
| 2472 + 70.3   | 45' LT  | 1              |               |
| 2472 + 79.7   | 57.2' LT  | 1              |               |
| 2472 + 79.7   | 61.8' LT  | 1              |               |
| 2519 + 09.26  | RT  | 1              |               |
| 2519 + 51.91  | LT  | 1              |               |
| 2520 + 74.7   | 34.8' RT  | 1              |               |
| 2520 + 87.3   | 34.8' LT  | 1              |               |
| 2522 + 10.09  | RT  | 1              |               |
| 2522 + 52.75  | LT  | 1              |               |
|   |   | <b>Total =</b> | <b>11</b>     |
| 66600105  | Furnishing and Erecting Right-of-Way Markers        | Each           |               |
| <u>Location</u>                                     |   |                |               |
| 2470 + 00   | 40' LT  | 1              |               |
| 2471 + 00   | 40' RT  | 1              |               |
| 2472 + 00   | 50' RT  | 1              |               |
| 2472 + 00   | 55' LT  | 1              |               |
| 2472 + 50   | 95' RT  | 1              |               |
| 2472 + 50   | 85' LT  | 1              |               |
| 2473 + 00   | 95' RT  | 1              |               |
| 2473 + 00   | 85' LT  | 1              |               |
| 2474 + 00   | 65' RT  | 1              |               |
| 2474 + 00   | 60' LT  | 1              |               |
| 2476 + 00   | 60' RT  | 1              |               |
| 2477 + 82.89  | 55' RT  | 1              |               |
| 2478 + 00   | 40' RT  | 1              |               |
| 2517 + 00   | 40' RT  | 1              |               |
| 2517 + 00   | 40' LT  | 1              |               |
| 2518 + 00   | 50' RT  | 1              |               |
| 2518 + 00   | 50' LT  | 1              |               |
| 2520 + 00   | 90' LT  | 1              |               |
| 2520 + 25   | 120' LT   | 1              |               |
| 2520 + 50   | 100' RT   | 1              |               |
| 2520 + 75   | 120' LT   | 1              |               |
| 2521 + 00   | 90' LT  | 1              |               |
| 2521 + 00   | 100' RT   | 1              |               |
| 2523 + 00   | 50' RT  | 1              |               |
| 2523 + 00   | 55' LT  | 1              |               |
| 2524 + 00   | 40' RT  | 1              |               |
| 2524 + 00   | 45' LT  | 1              |               |
|   |   | <b>Total =</b> | <b>27</b>     |
| 66700305  | Permanent Survey Markers, Type II                   | Each           |               |
| <u>Location</u>                                     |   |                |               |
| To be determined by contractor @ both working areas |   |                |               |
|   |   | <b>Total =</b> | <b>4</b>      |

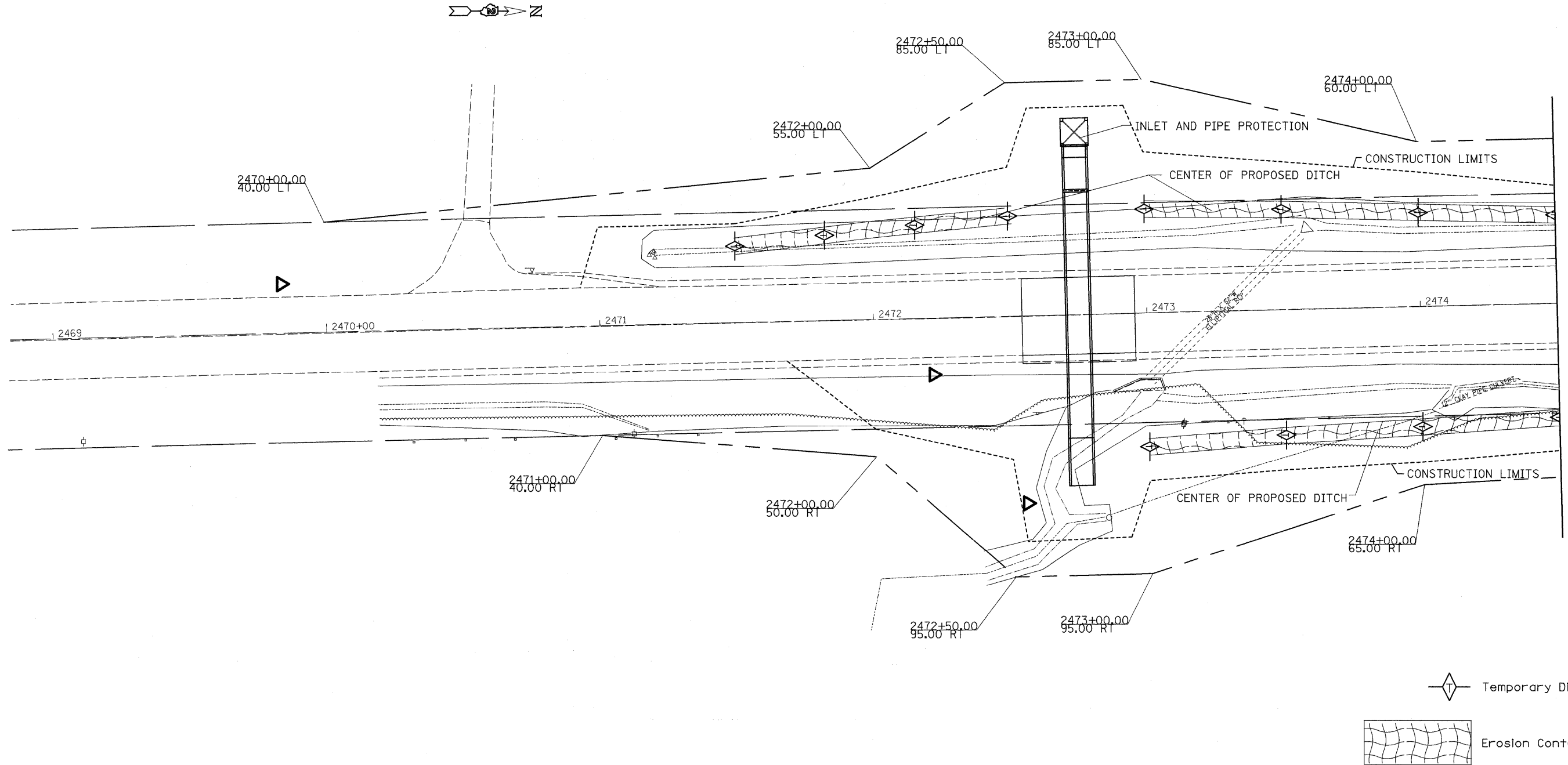
| Pay Item #   | Description                           | Unit           | Comments       |
|--|---------------------------------------|----------------|----------------|
| 70106500   | Temporary Bridge Traffic Signals      | Each           |                |
| <u>Location</u>  |                                       |                |                |
| 2517 + 73.3  | RT                                    |                |                |
| 2517 + 98.3  | LT                                    |                |                |
| 2524 + 14.1  | RT                                    |                |                |
| 2524 + 39.1  | LT                                    |                |                |
|  |                                       | <b>Total =</b> | <b>1</b>       |
| 70106700   | Temporary Rumble Strips               | Each           |                |
| To be placed according to Traffic Control and Protection, Standards 701316-03, 701321-09 |                                       |                |                |
|  |                                       | <b>Total =</b> | <b>6</b>       |
| 70300220   | Temporary Pavement Marking - Line 4"  | Foot           |                |
| <u>Location</u>  |                                       |                |                |
| 2472 + 26.34-2476 + 01.5   | 19.5' LT (Stage 1)                    | 375.0          |                |
| 2516 + 93.1 - 2523 + 46.5  | (Stage 1)                             | 656.0          |                |
| 2519 + 09.2 - 2523 + 90.3  | (Stage 1)                             | 381.0          |                |
| 2518 + 14.9 - 2524 + 35.8  | (Stage 2)                             | 623.0          |                |
| 2518 + 54.5 - 2522 + 64.6  | (Stage 2)                             | 410.0          |                |
|  |                                       | <b>Total =</b> | <b>2445</b>    |
| 70300280   | Temporary Pavement Marking - Line 24" | Foot           |                |
| <u>Location</u>  |                                       |                |                |
| 2517 + 22.3  |                                       | 13             |                |
| 2524 + 90.1  |                                       | 13.6           |                |
|  |                                       | <b>Total =</b> | <b>26.6</b>    |
| 70301000   | Workzone Pavement Marking Removal     | Sq. Ft.        |                |
| <u>Location</u>  |                                       |                |                |
| 2472 + 26.34-2476 + 01.5   | 19.5' LT (Stage 1)                    | 125.0          |                |
| 2516 + 93.1 - 2523 + 46.5  | (Stage 1)                             | 218.7          |                |
| 2519 + 09.2 - 2523 + 90.3  | (Stage 1)                             | 127.0          |                |
| 2518 + 14.9 - 2524 + 35.8  | (Stage 2)                             | 207.7          |                |
| 2518 + 54.5 - 2522 + 64.6  | (Stage 2)                             | 136.7          |                |
| 2516 + 83.1  |                                       | 26             |                |
| 2524 + 45.8  |                                       | 27.2           |                |
|  |                                       | <b>Total =</b> | <b>868.2</b>   |
| 70400100   | Temporary Concrete Barrier            | Foot           |                |
| <u>Location</u>  |                                       |                |                |
| 2518 + 67.4 - 2522 + 14.9  | (Stage 1)                             | 350            |                |
|  |                                       | <b>Total =</b> | <b>350</b>     |
| 70400200   | Relocate Temporary Concrete Barrier   | Foot           |                |
| <u>Location</u>  |                                       |                |                |
| 2519 + 54.9 - 2522 + 79.3  | (Stage 2)                             | 325            |                |
|  |                                       | <b>Total =</b> | <b>325</b>     |
| 78001110   | Paint Pavement Marking - Line 4"      | Foot           |                |
| <u>Location</u>  |                                       |                |                |
| 2472 + 29.3 - 2475 + 98.5  | LT                                    | 369            |                |
| 2472 + 54.3 - 2472 + 95.7  | Centerline                            | 10             |                |
| 2472 + 54.3 - 2472 + 95.7  | RT                                    | 41             |                |
| 2475 + 13.0 - 2475 + 73.5  | Centerline                            | 20             |                |
| 2475 + 13.0 - 2475 + 73.5  | RT                                    | 61             |                |
| 2517 + 22.3 - 2524 + 00  | Centerline                            | 170            |                |
| 2517 + 22.3 - 2523 + 32  | RT                                    | 610            |                |
| 2518 + 05.2 - 2524 + 79.1  | LT                                    | 674            |                |
|  |                                       | <b>Total =</b> | <b>3910</b>    |
|  |                                       |                | 2 Applications |
| 78200410   | Guardrail Markers, Type A             | Each           |                |
| <u>Location</u>  |                                       |                |                |
| As per State Standard 635006-02  |                                       |                |                |
|  |                                       | <b>Total =</b> | <b>16</b>      |



# Schedule of Quantities

| Pay Item #                          | Description   | Unit         | Comments |
|-------------------------------------|---|--------------|----------|
| 78201000                            | Terminal Marker - Direct Applied                            | Each         |          |
| <b>Location</b>                     |   |              |          |
| 2519 + 09.26                        | RT  | 1            |          |
| 2522 + 10.09                        | RT  | 1            |          |
| 2519 + 51.91                        | LT  | 1            |          |
| 2522 + 52.75                        | LT  | 1            |          |
|                                     | <b>Total =</b>  | <b>4</b>     |          |
| 78300100                            | Pavement Marking Removal                                    | Sq. Ft.      |          |
| <b>Location</b>                     |   |              |          |
| 2472 + 26.3 - 2476 + 01.5           | LT  | 125.1        |          |
| 2516 + 83.1 - 2524 + 45.8           | Centerline  | 254.2        |          |
| 2516 + 83.1 - 2523 + 46.5           | RT  | 221.1        |          |
| 2518 + 14.9 - 2524 + 45.8           | LT  | 210.3        |          |
|                                     | <b>Total =</b>  | <b>810.7</b> |          |
| X0323660                            | Drop Box No.1   | Each         |          |
| <b>Location</b>                     |   |              |          |
| 2472 + 75.0                         |   | 1            |          |
|                                     | <b>Total =</b>  | <b>1</b>     |          |
| X0712400                            | Temporary Pavement  | Sq. Yd.      |          |
| <b>Location</b>                     |   |              |          |
| 2472 + 08.3 - 2476 + 19.5 (Stage 1) |   | 304.4        |          |
| 2472 + 54.3 - 2472 + 95.7 (Stage 2) |   | 31.8         |          |
| 2475 + 13 - 2475 + 73.5 (Stage 2)   |   | 47.1         |          |
|                                     | <b>Total =</b>  | <b>383.3</b> |          |
| Z0023600                            | Filling Existing Culvert                                    | Each         |          |
| <b>Location</b>                     |   |              |          |
| 2473 + 27.2                         |   | 1            |          |
|                                     | <b>Total =</b>  | <b>1</b>     |          |
| Z0030250                            | Impact Attenuators, Temporary (Non-Directive), Test Level 3 | Each         |          |
| <b>Location</b>                     |   |              |          |
| 2518 + 67.0 & 2522 + 16.5 (Stage 1) |   | 2            |          |
|                                     | <b>Total =</b>  | <b>2</b>     |          |
| Z0030350                            | Impact Attenuators, Relocate (Non-Directive), Test Level 3  | Each         |          |
| <b>Location</b>                     |   |              |          |
| 2519 + 53.0 & 2522 + 80.0 (Stage 2) |   | 2            |          |
|                                     | <b>Total =</b>  | <b>2</b>     |          |

# ROW and Erosion Control

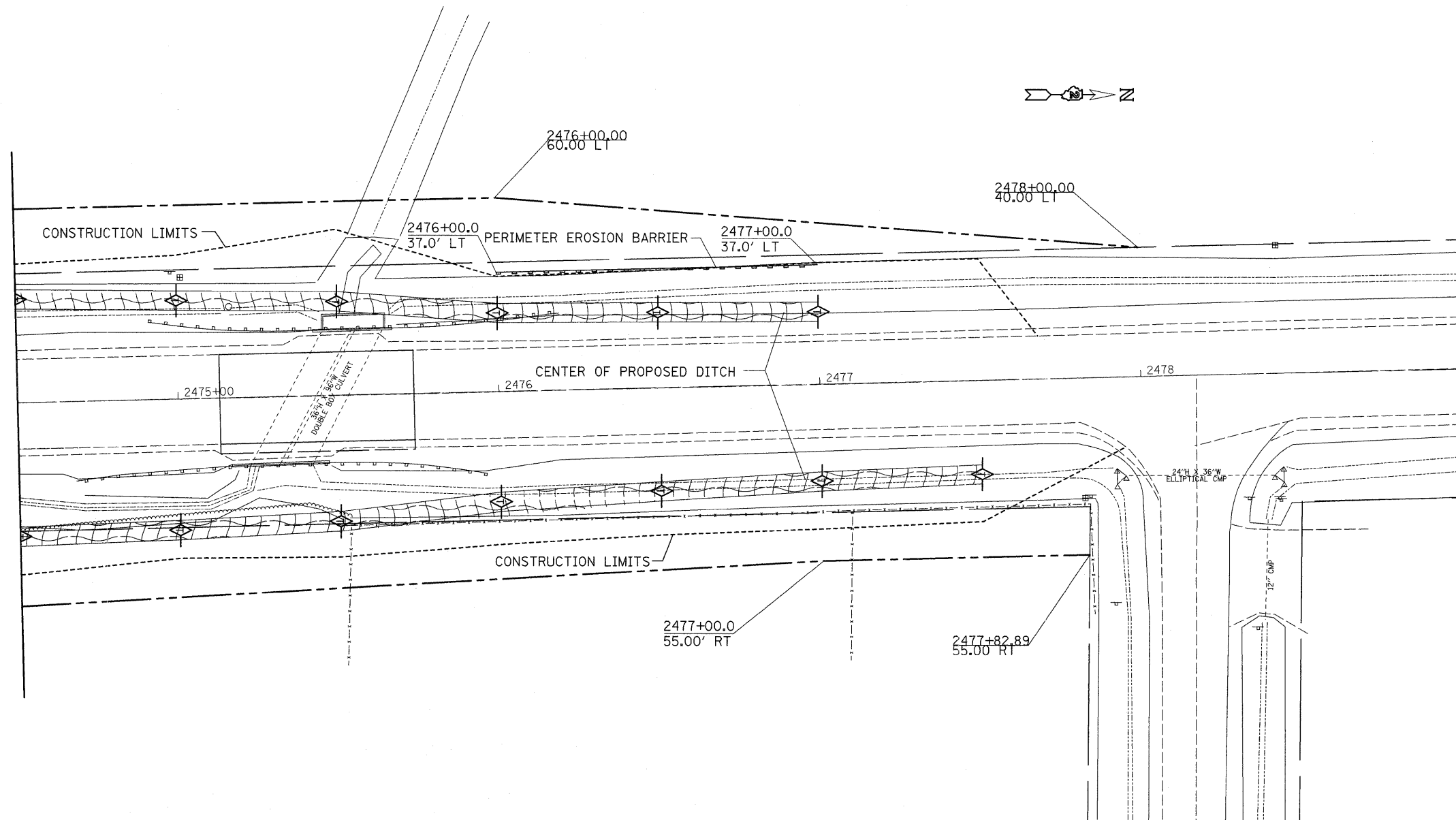


 Temporary Ditch Check

 Erosion Control Blanket

|  |                    |                                      |           |   |        |           |    |        |             |         |                           |              |           |    |    |
|--|--------------------|--------------------------------------|-----------|---|--------|-----------|----|--------|-------------|---------|---------------------------|--------------|-----------|----|----|
| FILE NAME =  | USER NAME = fordjd | DESIGNED -                           | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | IL 251 |           |    |        | F.A.S. RTE. | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |    |    |
| ct:\pw_work\PWIDOT\FORDJD\dms33877\026407-sht-eros.dgn |                    | DRAWN -                              | REVISED - |   | SCALE: | SHEET NO. | OF | SHEETS | STA.        | TO STA. | 1177                      | 111T         | LASALLE   | 59 | 18 |
|  |                    | CHECKED -                            | REVISED - |   |        |           |    |        |             |         | CONTRACT NO. 64A07        |              |           |    |    |
|  |                    | DATE -                               | REVISED - |   |        |           |    |        |             |         | ILLINOIS FED. AID PROJECT |              |           |    |    |
| PLOT SCALE = 20,000' / IN.                             |                    | PLOT DATE = Wed Dec 24 14:08:35 2008 |           |   |        |           |    |        |             |         |                           |              |           |    |    |

# ROW and Erosion Control

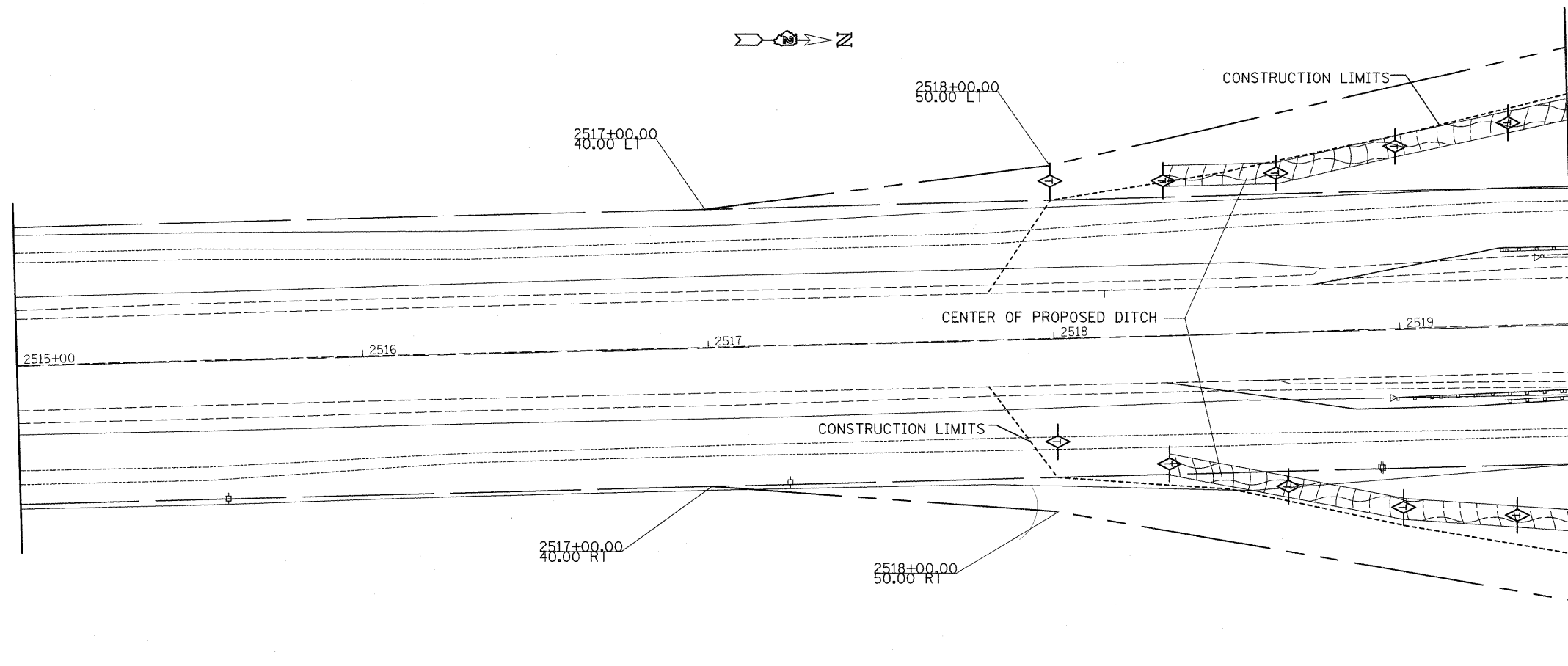



 Temporary Ditch Check

 Erosion Control Blanket

|  |                    |            |           |   |        |           |    |             |         |         |                           |           |         |    |    |
|--|--------------------|------------|-----------|---|--------|-----------|----|-------------|---------|---------|---------------------------|-----------|---------|----|----|
| FILE NAME =  | USER NAME = fordjd | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | IL 251 |           |    | F.A.S. RTE. | SECTION | COUNTY  | TOTAL SHEETS              | SHEET NO. |         |    |    |
| ci:\pw_work\PWIDOT\FORDJD\dms33877\026407-sht-eros.dgn | 107-sht-eros.dgn   | DRAWN -    | REVISED - |   | SCALE: | SHEET NO. | OF | SHEETS      | STA.    | TO STA. | 1177                      | 111T      | LASALLE | 59 | 19 |
| PLOT SCALE = 20.000' / IN.                             |                    | CHECKED -  | REVISED - |   |        |           |    |             |         |         | CONTRACT NO. 64A07        |           |         |    |    |
| PLOT DATE = Wed Dec 24 14:08:35 2008                   |                    | DATE -     | REVISED - |   |        |           |    |             |         |         | ILLINOIS FED. AID PROJECT |           |         |    |    |

# ROW and Erosion Control

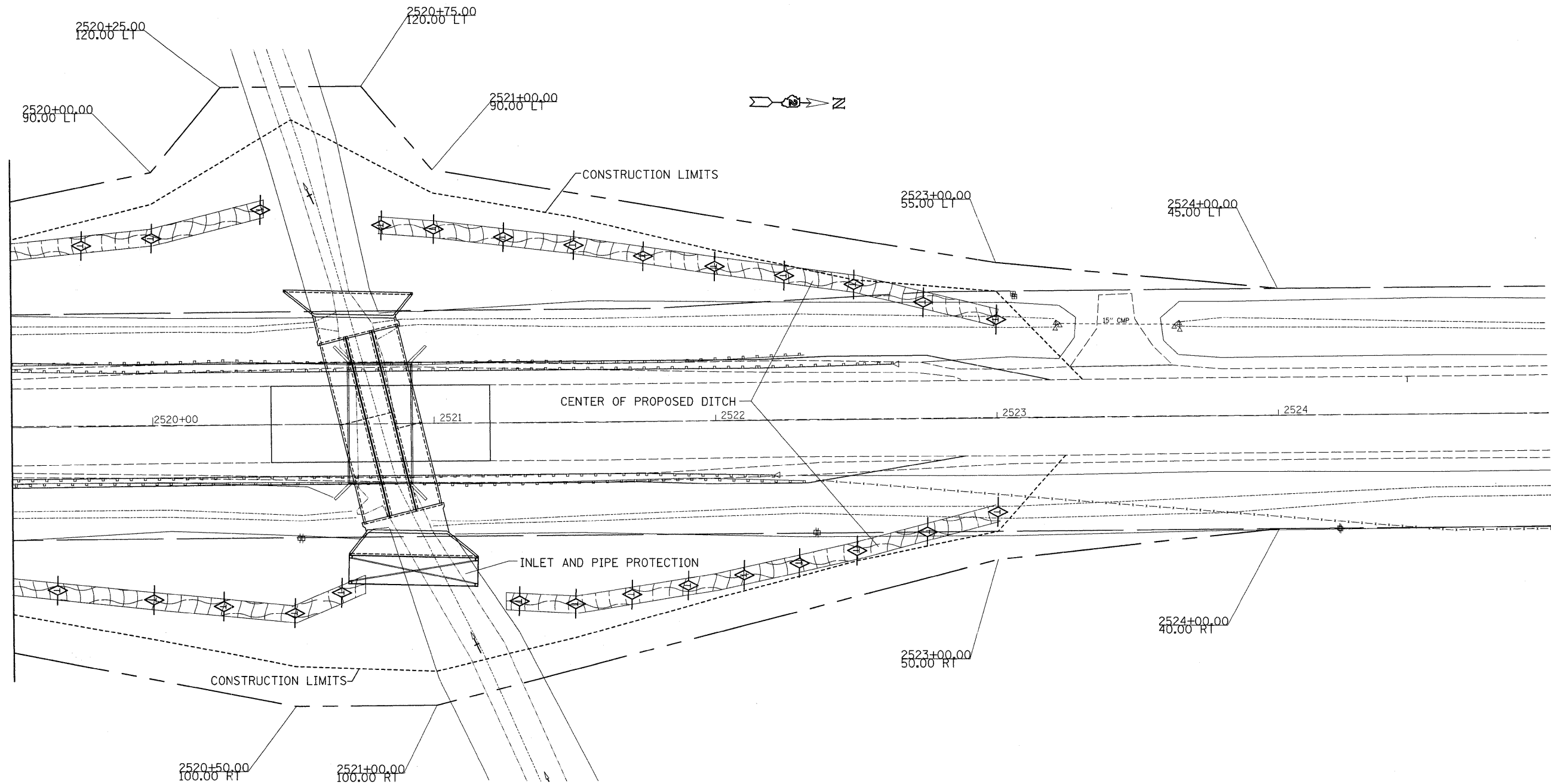


 Temporary Ditch Check

 Erosion Control Blanket

|   |                                      |            |           |   |        |           |    |             |         |         |                           |           |         |    |    |
|---|--------------------------------------|------------|-----------|---|--------|-----------|----|-------------|---------|---------|---------------------------|-----------|---------|----|----|
| FILE NAME =   | USER NAME = fordjd                   | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | IL 251 |           |    | F.A.S. RTE. | SECTION | COUNTY  | TOTAL SHEETS              | SHEET NO. |         |    |    |
| es:\pw_work\PWIDOT\FORDJD\dms33877\0264407-sht-eros.dgn | PLOT SCALE = 20.000' / IN.           | DRAWN -    | REVISED - |   | SCALE: | SHEET NO. | OF | SHEETS      | STA.    | TO STA. | 1177                      | 111T      | LASALLE | 59 | 20 |
|   | PLOT DATE = Wed Dec 24 14:00:35 2008 | CHECKED -  | REVISED - |   |        |           |    |             |         |         | CONTRACT NO. 64A07        |           |         |    |    |
|   |                                      | DATE -     | REVISED - |   |        |           |    |             |         |         | ILLINOIS FED. AID PROJECT |           |         |    |    |

# ROW and Erosion Control

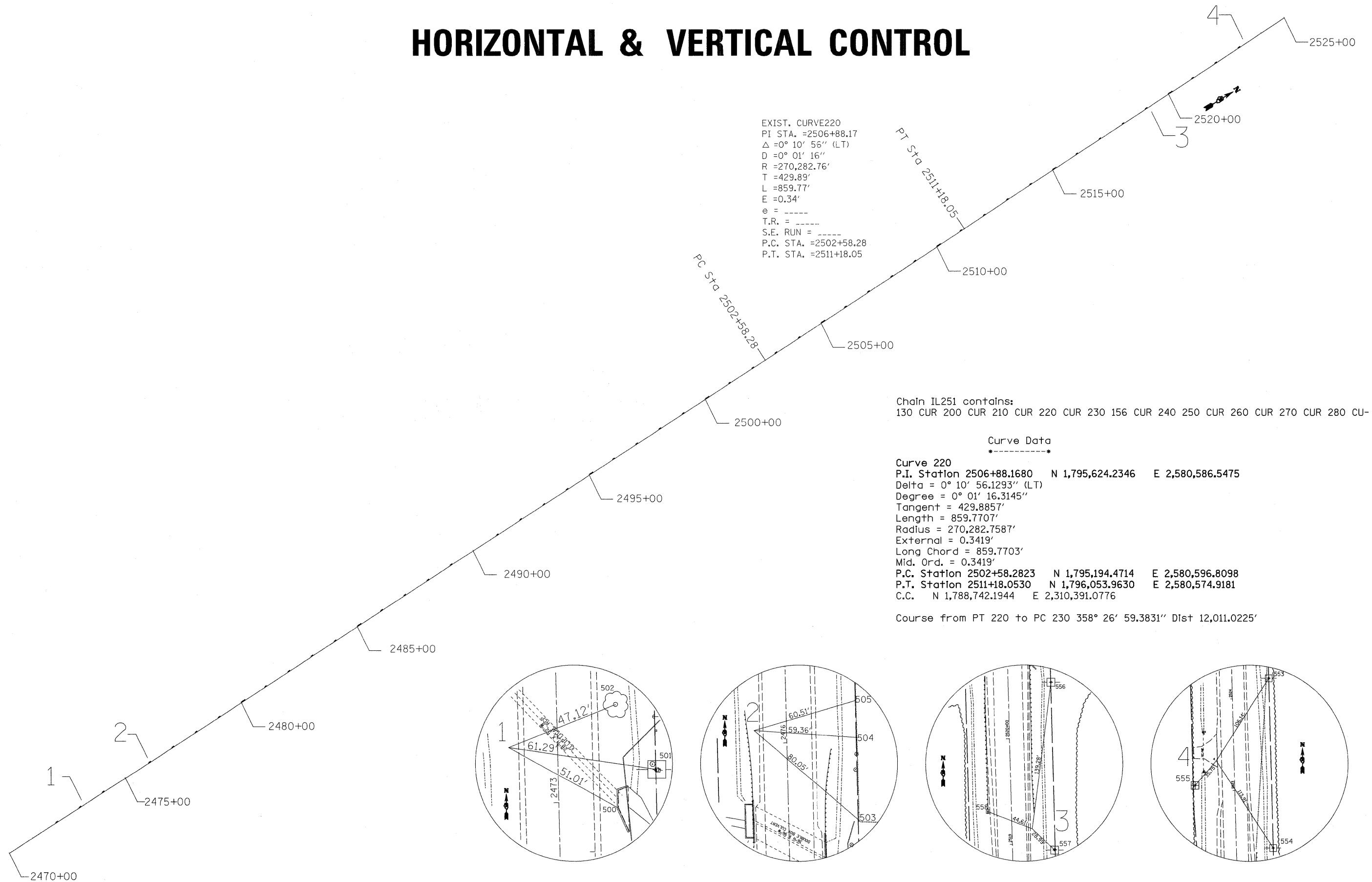


 Temporary Ditch Check

 Erosion Control Blanket

|  |                    |            |           |   |   |           |    |        |             |         |        |              |           |    |    |
|--|--------------------|------------|-----------|---|---|-----------|----|--------|-------------|---------|--------|--------------|-----------|----|----|
| FILE NAME =  | USER NAME = fordjd | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | IL 251  |           |    |        | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |    |    |
| ct\pw\work\PIWIDOT\FORDJD\dms33877\0264407-ah-eros.dgn |                    | DRAWN -    | REVISED - |   | SCALE:  | SHEET NO. | OF | SHEETS | STA.        | TO STA. | 1177   | 111T         | LASALLE   | 59 | 21 |
| PLOT SCALE = 20.000' / IN.                             |                    | CHECKED -  | REVISED - |   | CONTRACT NO. 64A07                            |           |    |        |             |         |        |              |           |    |    |
| PLOT DATE = Wed Dec 24 14:08:36 2008                   |                    | DATE -     | REVISED - |   | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |           |    |        |             |         |        |              |           |    |    |

# HORIZONTAL & VERTICAL CONTROL



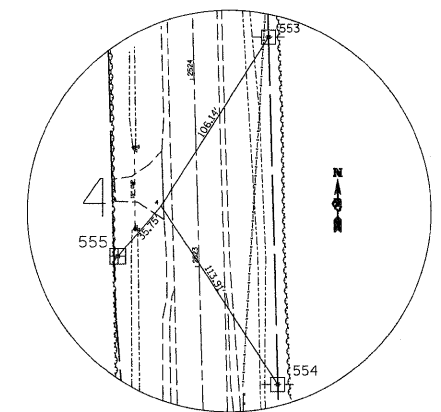
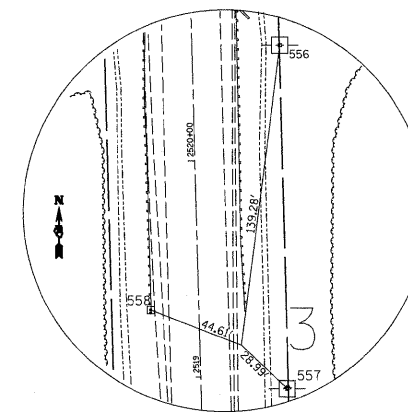
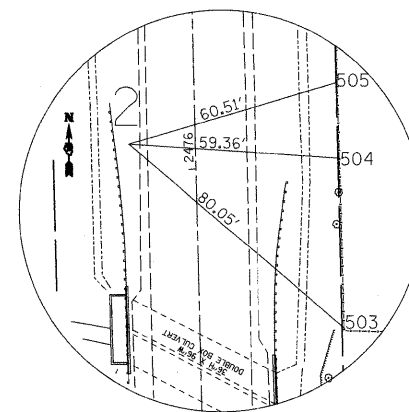
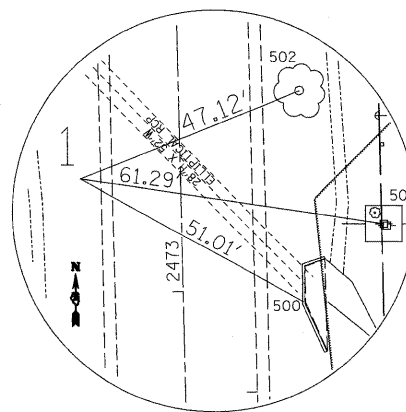
EXIST. CURVE 220  
 PI STA. =2506+88.17  
 $\Delta = 0^\circ 10' 56''$  (LT)  
 $D = 0^\circ 01' 16''$   
 $R = 270,282.76'$   
 $T = 429.89'$   
 $L = 859.77'$   
 $E = 0.34'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 $P.C. \text{ STA.} = 2502+58.28$   
 $P.T. \text{ STA.} = 2511+18.05$

Chain IL251 contains:  
 130 CUR 200 CUR 210 CUR 220 CUR 230 156 CUR 240 250 CUR 260 CUR 270 CUR 280 CU-

Curve Data

Curve 220  
 P.I. Station 2506+88.1680 N 1,795,624.2346 E 2,580,586.5475  
 $\Delta = 0^\circ 10' 56.1293''$  (LT)  
 $\text{Degree} = 0^\circ 01' 16.3145''$   
 $\text{Tangent} = 429.8857'$   
 $\text{Length} = 859.7707'$   
 $\text{Radius} = 270,282.7587'$   
 $\text{External} = 0.3419'$   
 $\text{Long Chord} = 859.7703'$   
 $\text{Mid. Ord.} = 0.3419'$   
 $P.C. \text{ Station } 2502+58.2823$  N 1,795,194.4714 E 2,580,596.8098  
 $P.T. \text{ Station } 2511+18.0530$  N 1,796,053.9630 E 2,580,574.9181  
 $C.C. \text{ N } 1,788,742.1944$  E 2,310,391.0776

Course from PT 220 to PC 230  $358^\circ 26' 59.3831''$  Dist 12,011.0225'



|   |                    |            |           |   |   |           |         |        |             |         |        |              |           |
|---|--------------------|------------|-----------|---|---|-----------|---------|--------|-------------|---------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = fordjd | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b>                                   |           |         |        | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ci:\pw_work\PWIDOT\FORDJD\dms33877\026407-sh1-ATB.dgn |                    | DRAWN -    | REVISED - |   | 1177  | 111T      | LASALLE | 59     | 22          |         |        |              |           |
| PLOT SCALE = 50.0000' / IN.                           |                    | CHECKED -  | REVISED - |   | CONTRACT NO. 64A07                              |           |         |        |             |         |        |              |           |
| PLOT DATE = Wed Dec 24 14:02:29 2008                  |                    | DATE -     | REVISED - |   | FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT |           |         |        |             |         |        |              |           |
|   |                    |            |           |   | SCALE:  | SHEET NO. | OF      | SHEETS | STA.        | TO STA. |        |              |           |



# HORIZONTAL & VERTICAL CONTROL

| HORIZONTAL CONTROL POINTS |              |              |           |       |              |             |                        |
|---------------------------|--------------|--------------|-----------|-------|--------------|-------------|------------------------|
| POINT                     | NORTH        | EAST         | ELEVATION | CHAIN | STATION      | OFFSET      | DESCRIPTION            |
| 1                         | 1792259.8100 | 2580646.9000 | 818.4000  | IL251 | 2473+23.2614 | 19.9813' LT | GPS CONTROL POINT, PIN |
| 2                         | 1792544.0800 | 2580641.4200 | 819.1000  | IL251 | 2476+07.5812 | 18.6736' LT | GPS CONTROL POINT, PIN |
| 3                         | 1796850.3727 | 2580572.4190 | 860.7399  | IL251 | 2519+14.2388 | 19.0465' RT | GPS CONTROL POINT, PIN |
| 4                         | 1797268.3016 | 2580522.6946 | 861.0193  | IL251 | 2523+33.3599 | 19.3537' LT | GPS CONTROL POINT, PIN |

| SURVEY WORK POINTS |              |              |           |       |              |              |                            |
|--------------------|--------------|--------------|-----------|-------|--------------|--------------|----------------------------|
| POINT              | NORTH        | EAST         | ELEVATION | CHAIN | STATION      | OFFSET       | DESCRIPTION                |
| 100                | 1792766.0000 | 2580899.1900 | 826.6700  | IL251 | 2478+23.2844 | 244.3207' RT | GPS CONTROL POINT, PIN     |
| 101                | 1792193.6190 | 2580736.8835 | 813.2600  | IL251 | 2472+54.9412 | 68.3964' RT  | TRAVERSE STATION, PIN      |
| 102                | 1792159.0788 | 2580689.9294 | 817.6498  | IL251 | 2472+21.5317 | 20.6312' RT  | TRAVERSE STATION, PIN      |
| 103                | 1791920.4841 | 2580657.0430 | 818.2961  | IL251 | 2469+83.7901 | 17.9417' LT  | TRAVERSE STATION, PIN      |
| 104                | 1791784.9862 | 2580660.1625 | 818.7281  | IL251 | 2468+48.2563 | 18.0577' LT  | TRAVERSE STATION, PK NAIL  |
| 105                | 1791607.9885 | 2580667.6240 | 818.4900  | IL251 | 2466+71.1309 | 14.8237' LT  | TRAVERSE STATION, PK NAIL  |
| 106                | 1792265.6844 | 2580826.9728 | 815.9200  | IL251 | 2473+24.8354 | 160.1804' RT | SURVEY WORK POINT, NAIL    |
| 107                | 1792140.0222 | 2580748.2566 | 812.9500  | IL251 | 2472+01.0881 | 78.4868' RT  | SURVEY WORK POINT, NAIL    |
| 108                | 1792064.4997 | 2580799.6797 | 812.1500  | IL251 | 2471+24.3596 | 128.0924' RT | SURVEY WORK POINT, NAIL    |
| 109                | 1791980.1409 | 2580844.9476 | 810.4600  | IL251 | 2470+38.9442 | 171.3335' RT | SURVEY WORK POINT, NAIL    |
| 110                | 1791906.6720 | 2580853.0646 | 811.0361  | IL251 | 2469+65.3024 | 177.6943' RT | SURVEY WORK POINT, NAIL    |
| 111                | 1791821.1835 | 2580936.5064 | 808.3700  | IL251 | 2468+77.8463 | 259.0715' RT | SURVEY WORK POINT, NAIL    |
| 150                | 1798050.5782 | 2580543.2103 | 860.7027  | IL251 | 2531+14.7952 | 22.3168' RT  | GPS CONTROL POINT, PK NAIL |

| BENCH MARKS |              |              |           |       |              |             |                                  |
|-------------|--------------|--------------|-----------|-------|--------------|-------------|----------------------------------|
| POINT       | NORTH        | EAST         | ELEVATION | CHAIN | STATION      | OFFSET      | DESCRIPTION                      |
| 403         | 1797005.5481 | 2580527.4276 | 861.2383  | IL251 | 2520+70.5745 | 21.7305' LT | TOP OF WINGWALL, CHISELED SQUARE |

| APPARENT PROPERTY CORNERS |              |              |           |       |              |             |                         |
|---------------------------|--------------|--------------|-----------|-------|--------------|-------------|-------------------------|
| POINT                     | NORTH        | EAST         | ELEVATION | CHAIN | STATION      | OFFSET      | DESCRIPTION             |
| 700                       | 1792255.2817 | 2580707.0031 | 814.7974  | IL251 | 2473+17.2996 | 39.9966' RT | PROPERTY CORNER, PIPE   |
| 750                       | 1798036.2333 | 2580522.5076 | 861.1332  | IL251 | 2531+01.0156 | 1.2337' RT  | SECTION CORNER, PK NAIL |

| CURVE POINT NUMBERS |       |     |     |     |     |
|---------------------|-------|-----|-----|-----|-----|
| CHAIN               | CURVE | PI  | CC  | PC  | PT  |
| IL251               | 220   | 220 | 221 | 222 | 223 |

| REFERENCE TIES |       |              |              |                                     |
|----------------|-------|--------------|--------------|-------------------------------------|
| POINT          | CHAIN | STATION      | OFFSET       | DESCRIPTION                         |
| 500            | IL251 | 2472+97.3942 | 23.9805' RT  | CHISELED "X", PHYSICAL TIES         |
| 501            | IL251 | 2473+12.8592 | 40.4159' RT  | POWER POLE WITH TRANSFORMER, SHINER |
| 502            | IL251 | 2473+39.8175 | 24.1301' RT  | TREE DECIDUOUS, SHINER              |
| 503            | IL251 | 2475+53.8452 | 40.6545' RT  | FENCE CORNER, SHINER                |
| 504            | IL251 | 2476+02.1390 | 40.4382' RT  | FENCE POST, SHINER                  |
| 505            | IL251 | 2476+23.2540 | 39.7711' RT  | FENCE POST, SHINER                  |
| 506            | IL251 | 2477+89.2412 | 199.52' RT   | PHYSICAL TIES, PIN                  |
| 507            | IL251 | 2477+66.7318 | 244.5189' RT | TREE DECIDUOUS, SHINER              |
| 508            | IL251 | 2477+87.1224 | 267.9251' RT | PIN, PHYSICAL TIES                  |
| 509            | IL251 | 2471+76.4801 | 33.6387' RT  | TREE DECIDUOUS, SHINER              |
| 510            | IL251 | 2471+96.1093 | 50.9037' RT  | TREE DECIDUOUS, SHINER              |
| 511            | IL251 | 2472+29.7795 | 49.3483' RT  | TREE DECIDUOUS, SHINER              |
| 512            | IL251 | 2469+60.4722 | 33.71' LT    | TREE DECIDUOUS, SHINER              |
| 513            | IL251 | 2469+85.2813 | 33.2383' LT  | TREE DECIDUOUS, SHINER              |
| 514            | IL251 | 2470+39.5072 | 33.8017' LT  | TREE DECIDUOUS, SHINER              |
| 515            | IL251 | 2468+43.3634 | 35.9983' LT  | TREE DECIDUOUS, SHINER              |
| 516            | IL251 | 2468+96.9083 | 35.1678' LT  | TREE DECIDUOUS, SHINER              |
| 517            | IL251 | 2469+10.2131 | 37.6834' RT  | POWER POLE, SHINER                  |
| 518            | IL251 | 2466+42.4035 | 39.4307' RT  | POWER POLE, SHINER                  |
| 519            | IL251 | 2466+80.1282 | 49.8794' RT  | TREE DECIDUOUS, SHINER              |
| 520            | IL251 | 2467+28.3683 | 20.5478' RT  | PIN, PHYSICAL TIES                  |
| 550            | IL251 | 2530+81.5401 | 107.812' RT  | SIGN, SHINER                        |
| 551            | IL251 | 2531+34.3560 | 41.3739' RT  | POWER POLE, SHINER                  |
| 552            | IL251 | 2531+31.6483 | 59.8373' LT  | POWER POLE, SHINER                  |
| 553            | IL251 | 2524+21.3577 | 39.987' RT   | POWER POLE, SHINER                  |
| 554            | IL251 | 2522+36.0557 | 39.8777' RT  | POWER POLE, SHINER                  |
| 555            | IL251 | 2523+06.5502 | 43.0091' LT  | TELEPHONE SPLICE BOX, SHINER        |
| 556            | IL251 | 2520+51.8861 | 40.2943' RT  | POWER POLE, SHINER                  |
| 557            | IL251 | 2518+93.6502 | 39.4493' RT  | POWER POLE, SHINER                  |
| 558            | IL251 | 2519+31.5222 | 22.0765' LT  | GUARDPOST, SHINER                   |

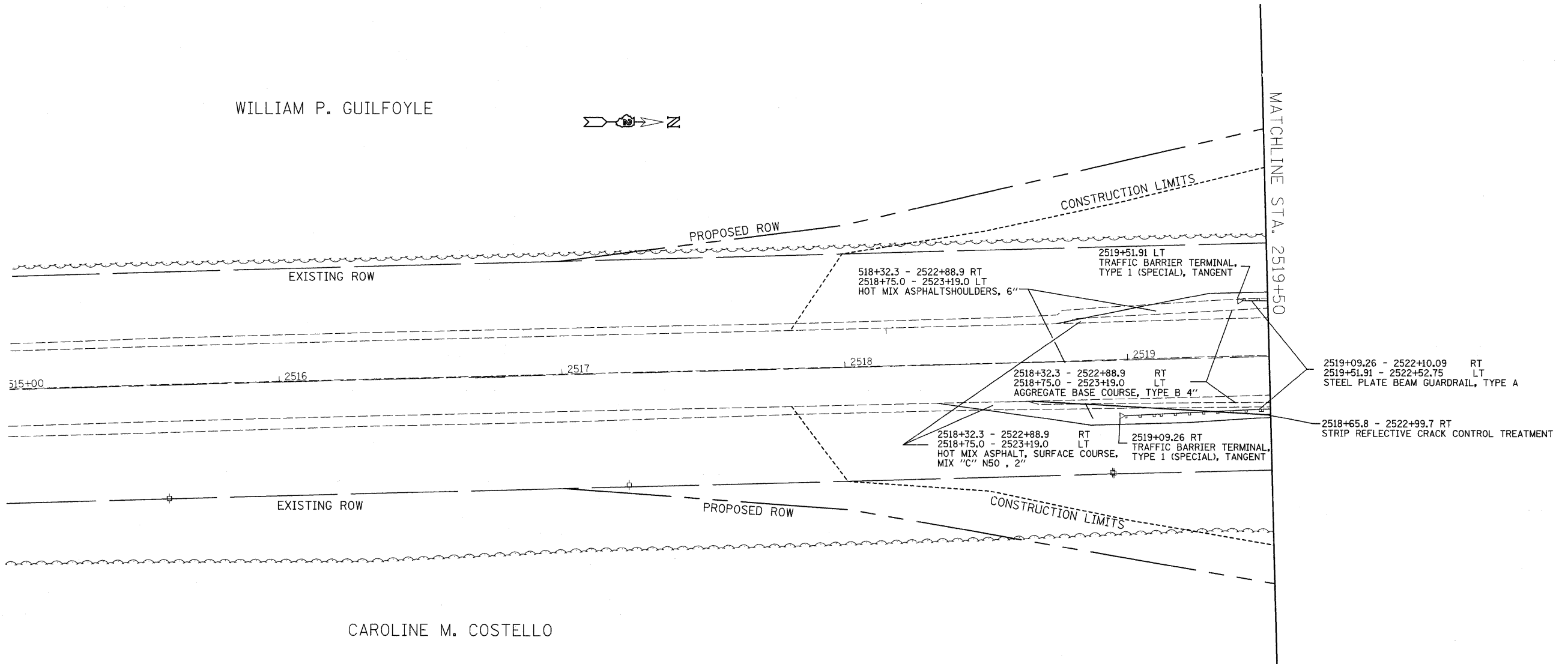




WILLIAM P. GUILFOYLE



MATCHLINE STA. 2519+50



CAROLINE M. COSTELLO

|     |  |         |         |         |         |         |         |         |         |         |   |        |        |        |        |        |        |        |        |  |     |
|-----|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|--------|--------|--------|--------|--------|--------|--------|--------|--|-----|
| 870 |  |         |         |         |         |         |         |         |         |         |   |        |        |        |        |        |        |        |        |  | 870 |
| 865 |  |         |         |         |         |         |         |         |         |         |   |        |        |        |        |        |        |        |        |  | 865 |
| 860 |  |         |         |         |         |         |         |         |         |         |   |        |        |        |        |        |        |        |        |  | 860 |
| 855 |  |         |         |         |         |         |         |         |         |         |   |        |        |        |        |        |        |        |        |  | 855 |
| 850 | STA 2518+00 - 2519+50<br>STAGE 1<br>EXCAVATION: 111.7 Cu Yd<br>EMBANKMENT: 116.7 Cu Yd<br>WASTE: 0 Cu Yd |         |         |         |         |         |         |         |         |         | STA 2518+00 - 2519+50<br>STAGE 2<br>EXCAVATION: 197.4 Cu Yd<br>EMBANKMENT: 84.0 Cu Yd<br>WASTE: 113.4 Cu Yd |        |        |        |        |        |        |        |        |  | 850 |
| 845 |  |         |         |         |         |         |         |         |         |         |   |        |        |        |        |        |        |        |        |  | 845 |
|     | 862.70   | 862.46  | 862.22  | 862.08  | 861.96  | 861.84  | 861.79  | 861.77  | 861.75  | 861.73  | 861.71  | 861.70 | 861.70 | 861.70 | 861.71 | 861.75 | 861.79 | 861.84 | 861.87 |  |     |
|     | 2515+00  | 2515+50 | 2516+00 | 2516+50 | 2517+00 | 2517+50 | 2518+00 | 2518+50 | 2519+00 | 2519+50 |   |        |        |        |        |        |        |        |        |  |     |

|      |     |           |         |         |      |
|------|-----|-----------|---------|---------|------|
| DATE | BY  | SURVEYED  | PLOTTED | CHECKED | DATE |
|      |     |           |         |         |      |
| PLAN | NO. | NOTE BOOK | NO.     | NO.     | NO.  |
|      |     |           |         |         |      |

|         |     |           |         |         |      |
|---------|-----|-----------|---------|---------|------|
| DATE    | BY  | SURVEYED  | PLOTTED | CHECKED | DATE |
|         |     |           |         |         |      |
| PROFILE | NO. | NOTE BOOK | NO.     | NO.     | NO.  |
|         |     |           |         |         |      |

|   |                    |            |   |   |  |  |  |        |  |  |  |                           |         |         |              |           |  |  |
|---|--------------------|------------|---|---|--|--|--|--------|--|--|--|---------------------------|---------|---------|--------------|-----------|--|--|
| FILE NAME =                               | USER NAME = Fordjd | DESIGNED - | REVISED -                               | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |  |  |  | IL 251 |  |  |  | F.A.S. RTE.               | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |  |  |
| es:\pw\work\p\dot\Fordjd\dms33877\0264A07 | ah:plnprf.dgn      | DRAWN -    | REVISED -                               |   |  |  |  |        |  |  |  | 1177                      | 111T    | LASALLE | 59           | 26        |  |  |
| PLOT SCALE = 28.000' / IN.                | CHECKED -          | REVISED -  | SCALE: SHEET NO. OF SHEETS STA. TO STA. |   |  |  |  |        |  |  |  | CONTRACT NO. 64A07        |         |         |              |           |  |  |
| PLOT DATE = Wed Dec 24 14:10:12 2008      | DATE -             | REVISED -  | FED. ROAD DIST. NO.                     |   |  |  |  |        |  |  |  | ILLINOIS FED. AID PROJECT |         |         |              |           |  |  |

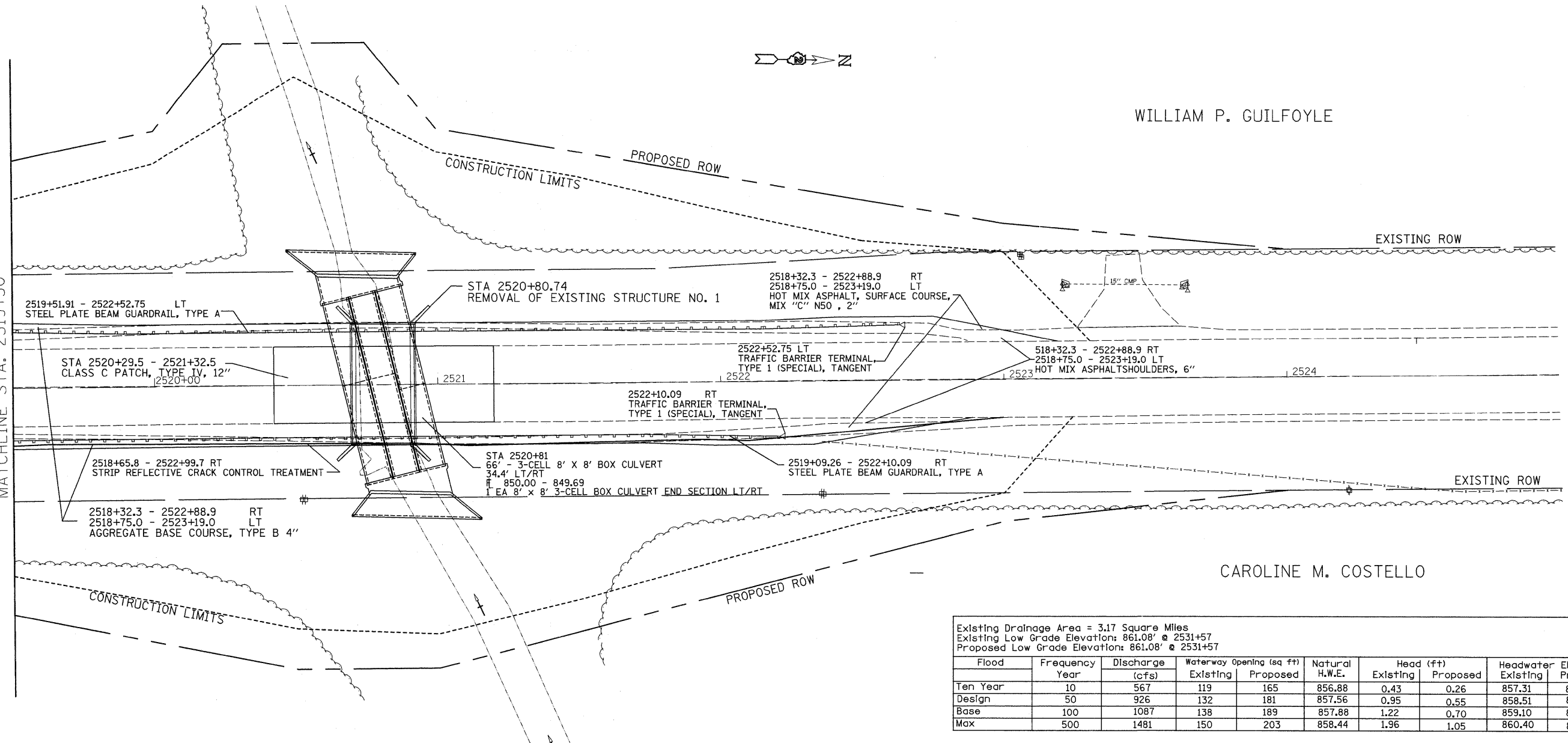
|          |  |
|----------|--|
| DATE     |  |
| BY       |  |
| SURVEYED |  |
| PLANNED  |  |
| NOTED    |  |
| FILE NO. |  |

|          |  |
|----------|--|
| DATE     |  |
| BY       |  |
| SURVEYED |  |
| PLANNED  |  |
| NOTED    |  |
| FILE NO. |  |

WILLIAM P. GUILFOYLE

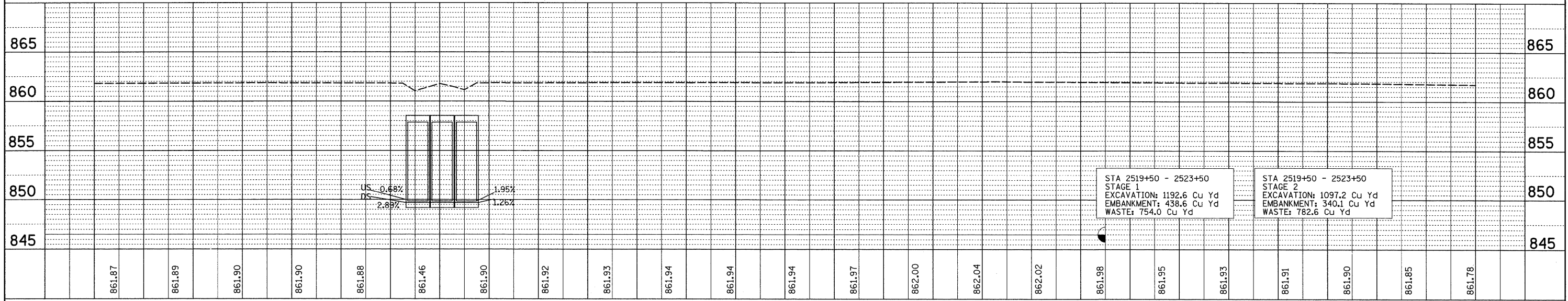
CAROLINE M. COSTELLO

MATCHLINE STA. 2519+50



Existing Drainage Area = 3.17 Square Miles  
 Existing Low Grade Elevation: 861.08' @ 2531+57  
 Proposed Low Grade Elevation: 861.08' @ 2531+57

| Flood    | Frequency Year | Discharge (cfs) | Waterway Opening (sq ft) |          | Natural H.W.E. | Head (ft) |          | Headwater Elev. (ft) |          |
|----------|----------------|-----------------|--------------------------|----------|----------------|-----------|----------|----------------------|----------|
|          |                |                 | Existing                 | Proposed |                | Existing  | Proposed | Existing             | Proposed |
| Ten Year | 10             | 567             | 119                      | 165      | 856.88         | 0.43      | 0.26     | 857.31               | 857.14   |
| Design   | 50             | 926             | 132                      | 181      | 857.56         | 0.95      | 0.55     | 858.51               | 858.11   |
| Base     | 100            | 1087            | 138                      | 189      | 857.88         | 1.22      | 0.70     | 859.10               | 858.58   |
| Max      | 500            | 1481            | 150                      | 203      | 858.44         | 1.96      | 1.05     | 860.40               | 859.49   |



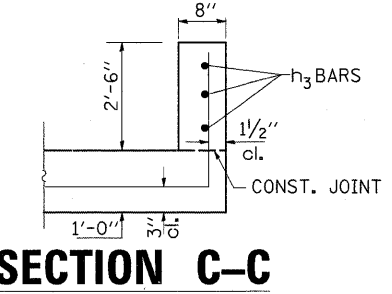
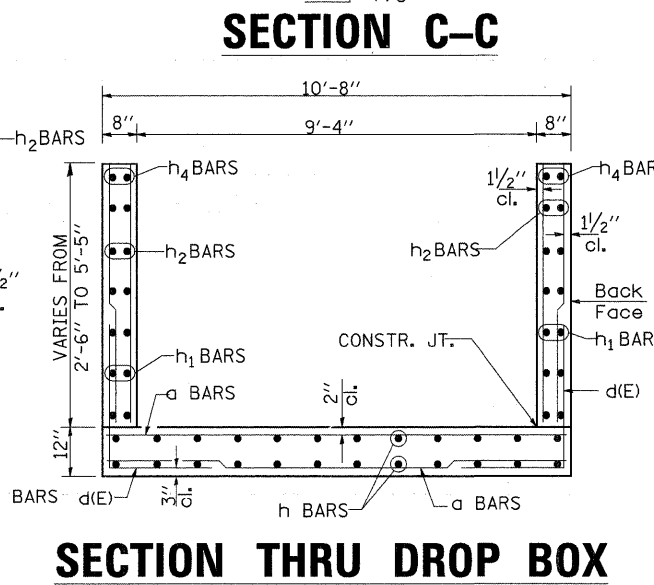
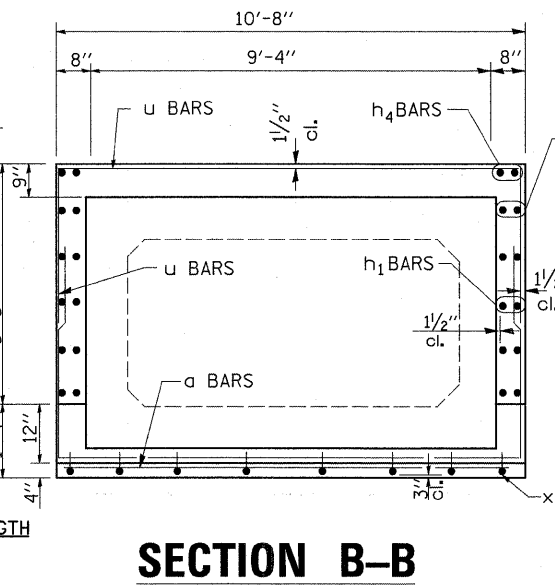
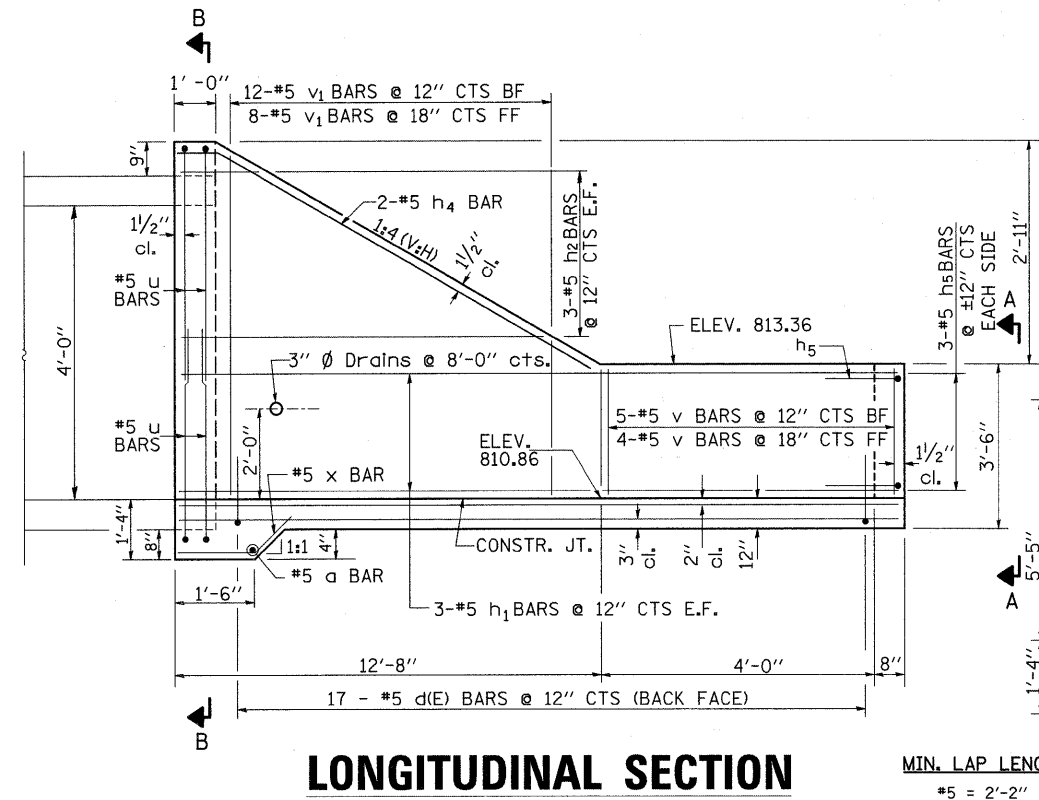
STA 2519+50 - 2523+50  
 STAGE 1  
 EXCAVATION: 1192.6 Cu Yd  
 EMBANKMENT: 438.6 Cu Yd  
 WASTE: 754.0 Cu Yd

STA 2519+50 - 2523+50  
 STAGE 2  
 EXCAVATION: 1097.2 Cu Yd  
 EMBANKMENT: 340.1 Cu Yd  
 WASTE: 782.6 Cu Yd

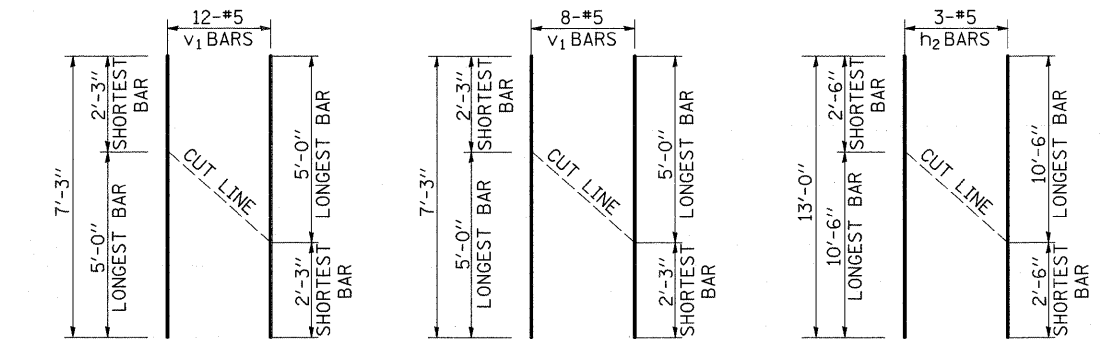
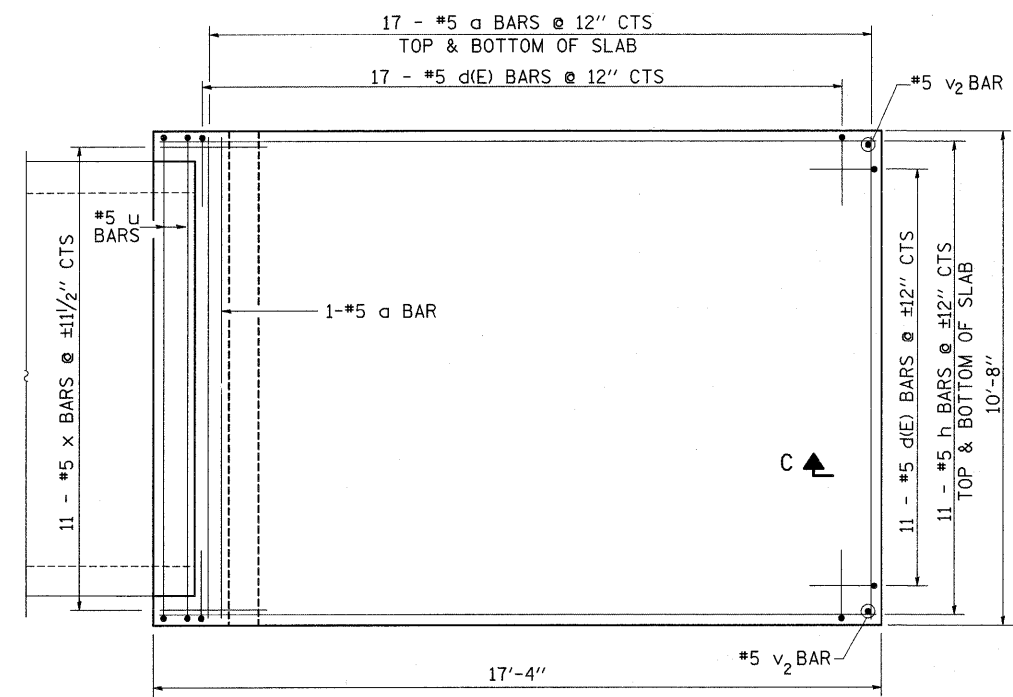
|   |                    |            |           |   |        |   |         |         |              |           |  |
|---|--------------------|------------|-----------|---|--------|---|---------|---------|--------------|-----------|--|
| FILE NAME =                               | USER NAME = fordjd | DESIGNED - | REVISED - | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | IL 251 | F.A.S. RTE.                                   | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |  |
| es:\pwork\pwsdot\Fordjd\vdms33877\0264A07 | -sh-p\Inpr F.dgn   | DRAWN -    | REVISED - |   |        | 1177  | 111T    | LASALLE | 59           | 27        |  |
| PLOT SCALE = 20.000' / IN.                | CHECKED -          | REVISED -  | REVISED - |   |        | CONTRACT NO. 64A07                            |         |         |              |           |  |
| PLOT DATE = Wed Dec 24 14:10:12 2008      | DATE -             | REVISED -  | REVISED - |   |        | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |         |              |           |  |

# DROP BOX

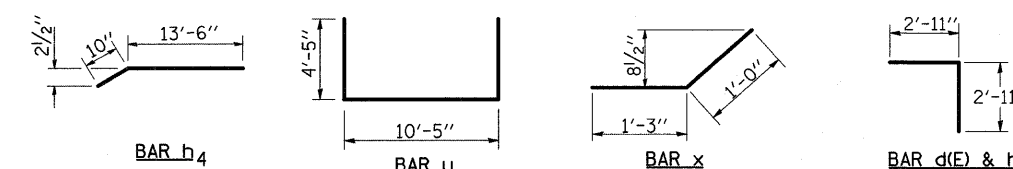
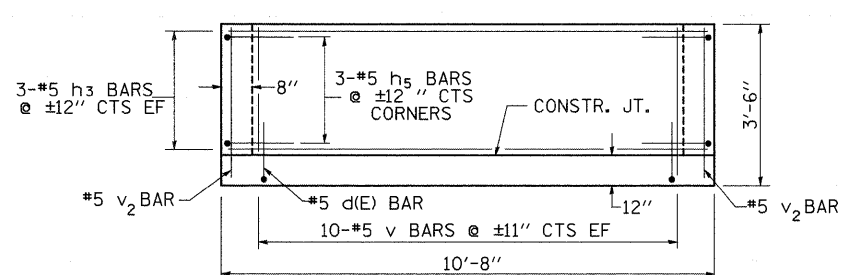
## LT STA 2472+75 (IL 251)



| BILL OF MATERIALS               |     |      |        |       |
|---------------------------------|-----|------|--------|-------|
| BAR                             | NO. | SIZE | LENGTH | SHAPE |
| a                               | 35  | 5    | 10'-5" | —     |
| d(E)                            | 45  | 5    | 5'-10" | └     |
| h                               | 22  | 5    | 16'-1" | —     |
| h1                              | 12  | 5    | 17'-1" | —     |
| h2                              | 6   | 5    | 13'-0" | —     |
| h3                              | 6   | 5    | 10'-5" | —     |
| h4                              | 4   | 5    | 14'-4" | └     |
| h5                              | 6   | 5    | 5'-10" | └     |
| v                               | 38  | 5    | 2'-3"  | —     |
| v1                              | 20  | 5    | 7'-3"  | —     |
| v2                              | 2   | 5    | 3'-1"  | —     |
| u                               | 4   | 5    | 19'-3" | └     |
| x                               | 11  | 5    | 2'-3"  | └     |
| CONCRETE BOX CULVERTS           |     |      | CU YD  | 11.0  |
| REINFORCEMENT BARS              |     |      | LB     | 1560  |
| REINFORCEMENT BARS EPOXY COATED |     |      | LB     | 270   |



ORDER v1 & h2 BARS FULL LENGTH. CUT AS SHOWN AND USE REMAINDER OF BARS IN OPPOSITE WALL.



**GENERAL NOTES:**

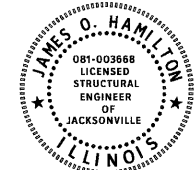
REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 GRADE 60. SEE SPECIAL PROVISIONS.

SEE PLAN AND PROFILE SHEET FOR MORE INFORMATION. SEE CROSS SECTION SHEET FOR MORE INFORMATION.

THIS WORK SHALL BE DONE ACCORDING TO THE APPLICABLE PORTION OF 503, 508, 540, AND 542 OF THE STANDARD SPECIFICATIONS. EXPOSED EDGES SHALL BE BEVELED 3/4".

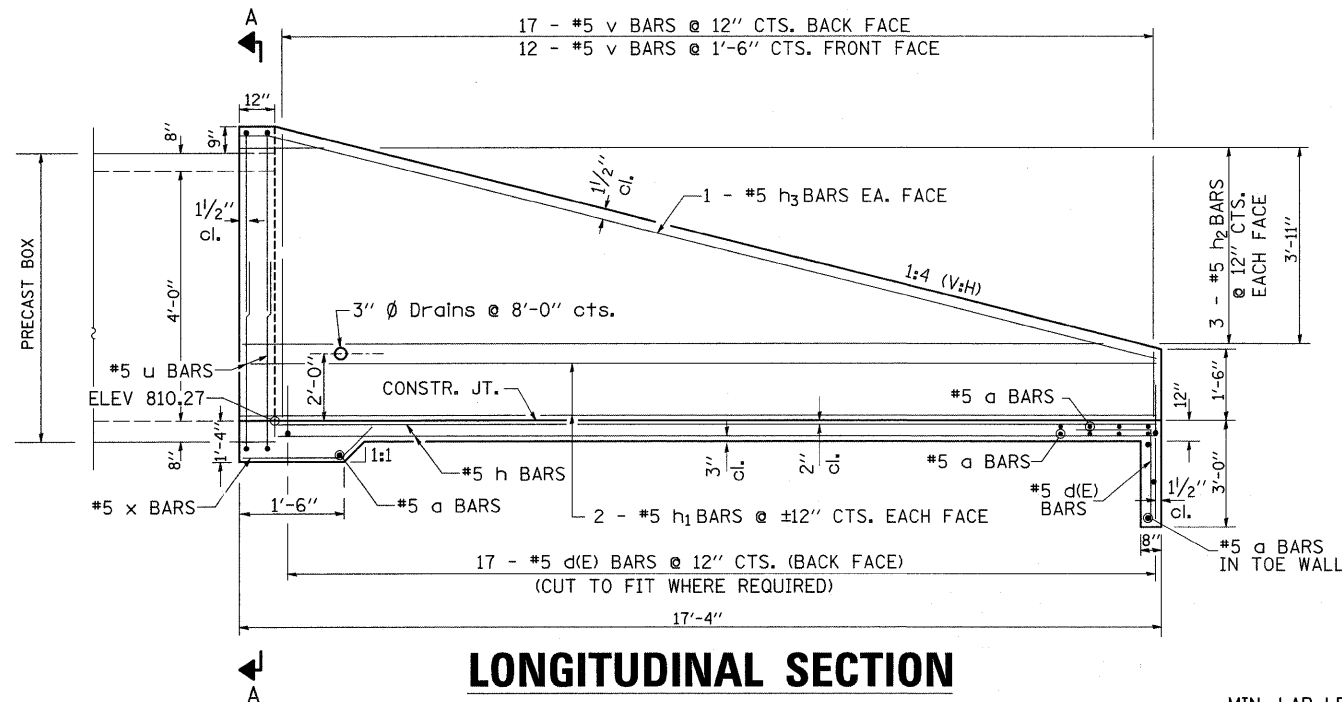
THE COST OF EARTH EXCAVATION, WHERE REQUIRED, AND NECESSARY GRADING TO FIT THE INLET AS SHOWN IN THE CROSS SECTIONS OR TO THE SLOPE IS INCLUDED IN COST OF "DROP BOX No. 1." REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

QUANTITIES SHOWN FOR INFORMATION ONLY. COST OF REINFORCEMENT AND CONCRETE INCLUDED WITH DROP BOX NO. 1.

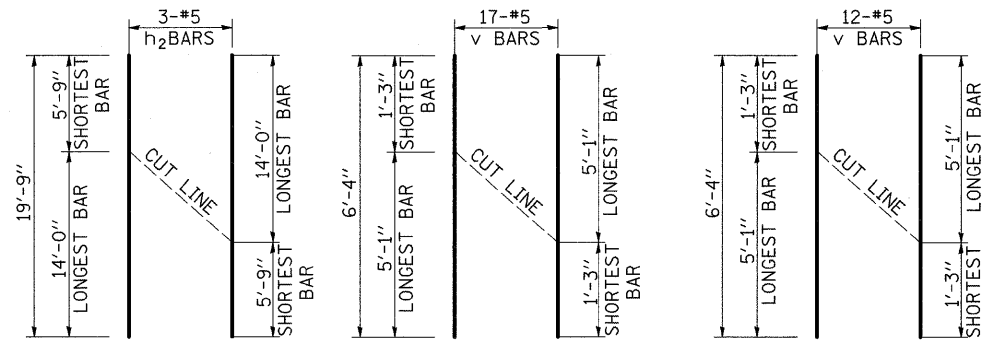
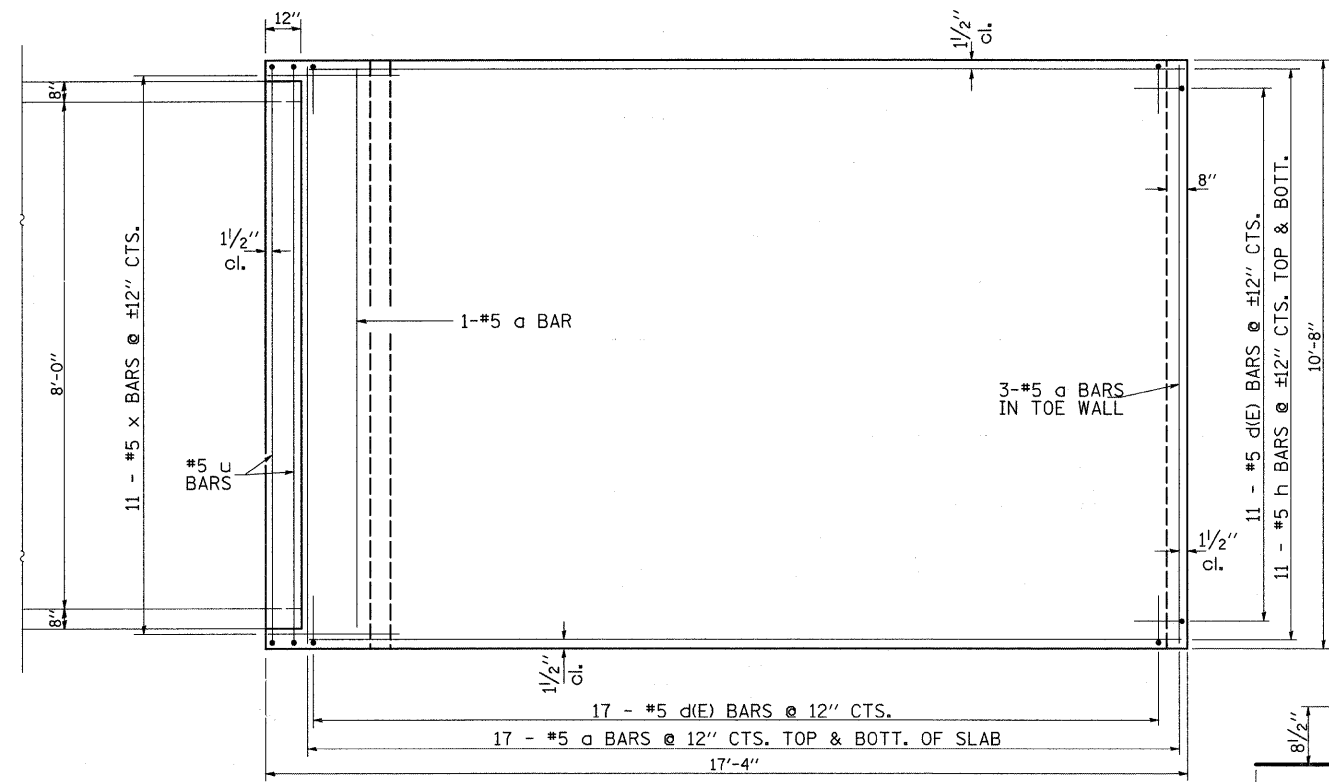




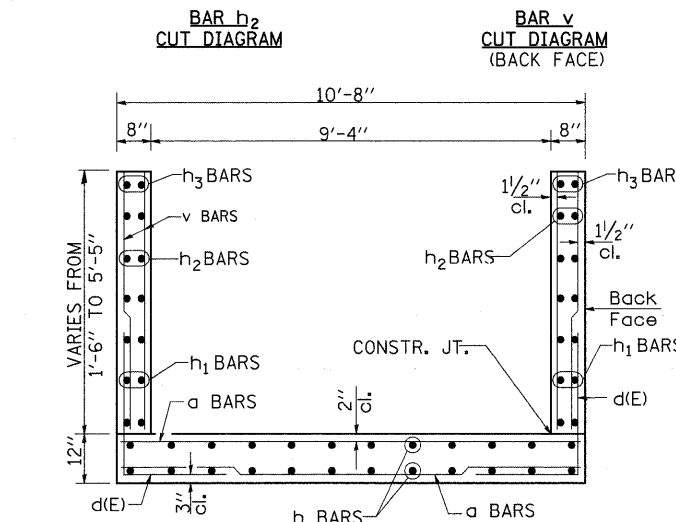
# 8'x4' Precast Single Box Culvert End Section RT. STA. 2472+75 (IL 251)



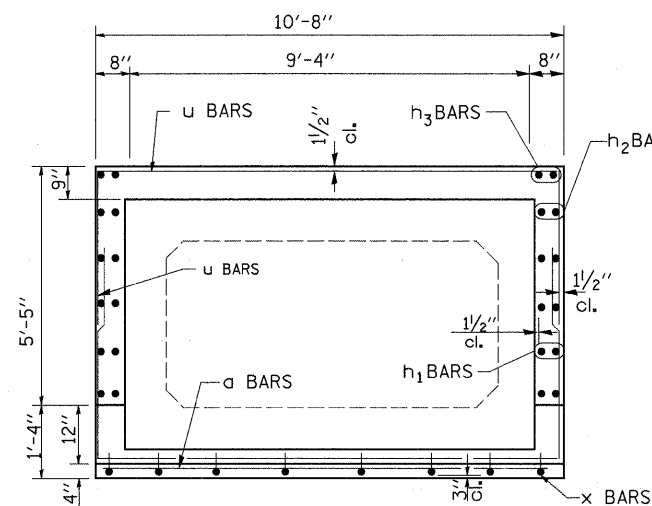
MIN. LAP LENGTH  
#5 = 2'-2"



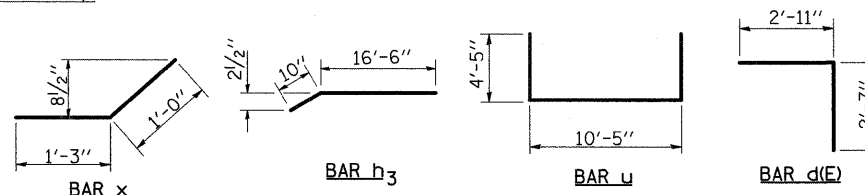
ORDER v & h<sub>2</sub> BARS FULL LENGTH. CUT AS SHOWN AND USE REMAINDER OF BARS IN OPPOSITE WALL.



**SECTION THRU END SECTION**

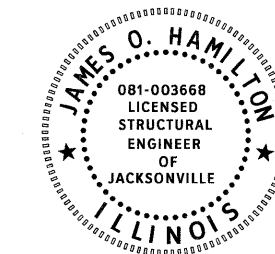


**SECTION A-A**



## BILL OF MATERIALS

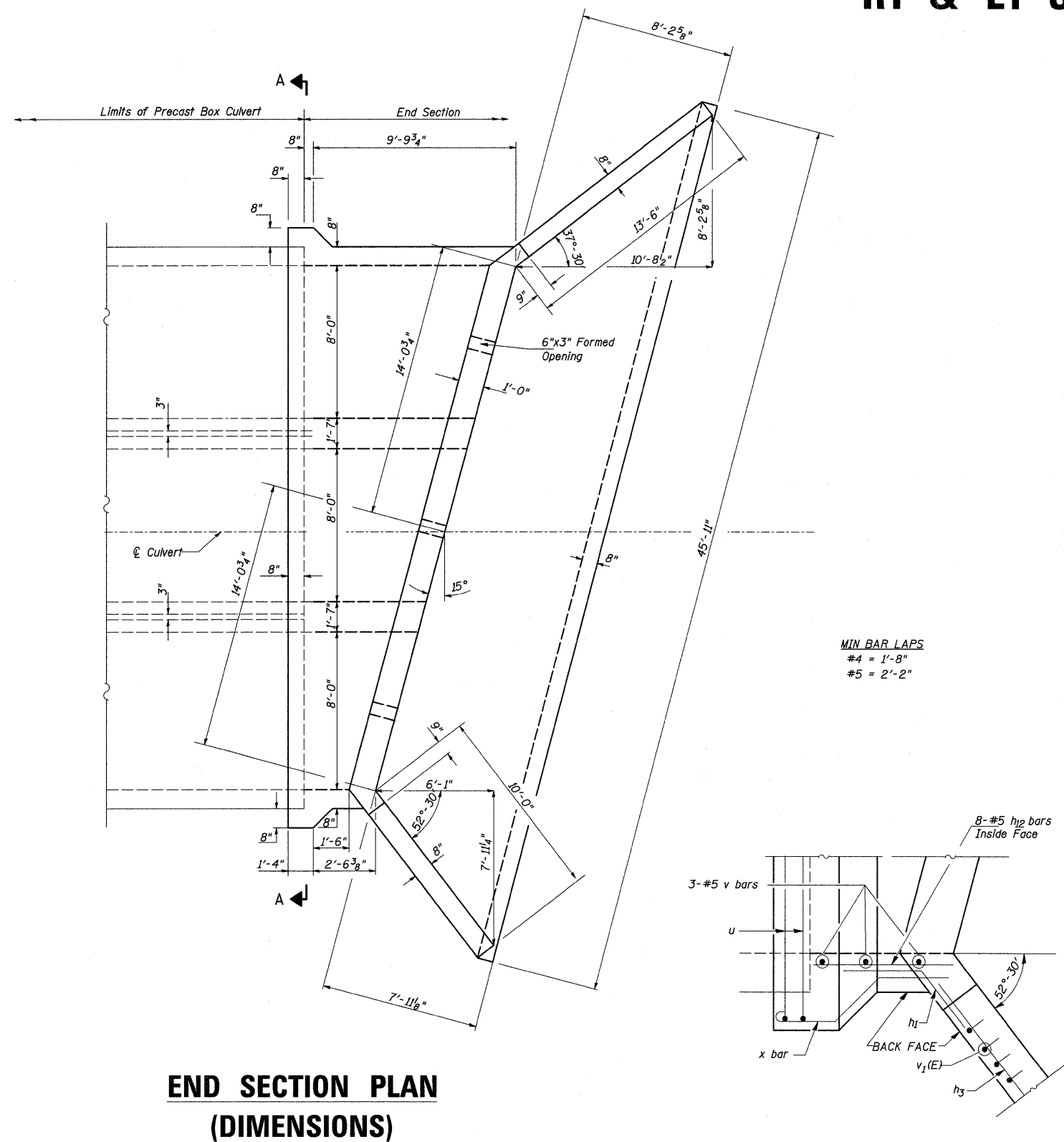
| BAR                             | NO. | SIZE | LENGTH | SHAPE |
|---------------------------------|-----|------|--------|-------|
| a                               | 38  | 5    | 10'-5" | —     |
| d(E)                            | 45  | 5    | 5'-6"  | └     |
| h                               | 22  | 5    | 16'-1" | —     |
| h <sub>1</sub>                  | 8   | 5    | 17'-1" | —     |
| h <sub>2</sub>                  | 6   | 5    | 19'-9" | —     |
| h <sub>3</sub>                  | 4   | 5    | 17'-4" | └     |
| v                               | 29  | 5    | 6'-4"  | —     |
| u                               | 4   | 5    | 19'-3" | └     |
| x                               | 11  | 5    | 2'-3"  | └     |
| CONCRETE BOX CULVERTS           |     |      | CU YD  | 10.9  |
| REINFORCEMENT BARS              |     |      | LB     | 1420  |
| REINFORCEMENT BARS EPOXY COATED |     |      | LB     | 260   |



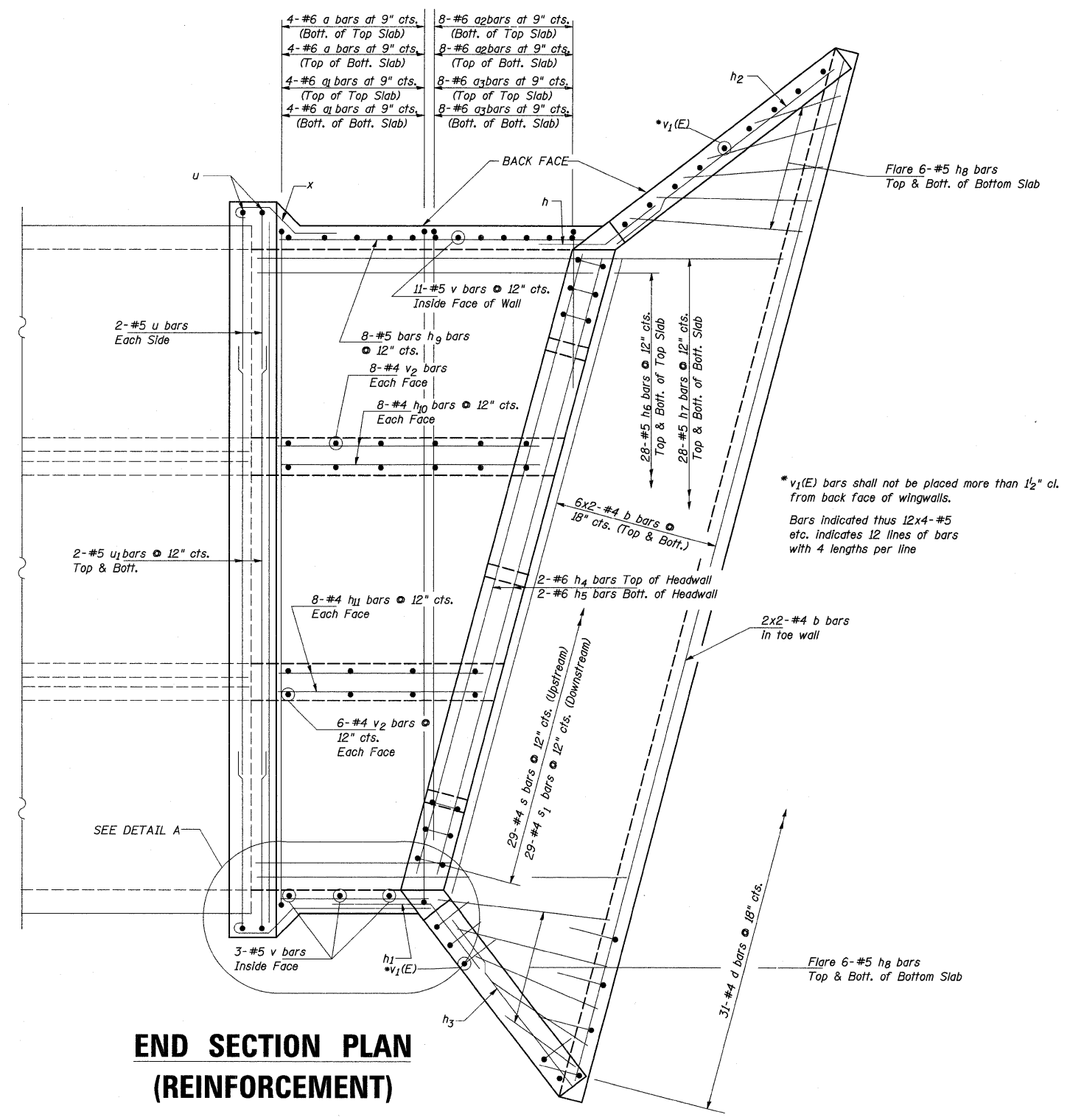
## GENERAL NOTES:

- REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 GRADE 60. SEE SPECIAL PROVISIONS.
- SEE PLAN AND PROFILE SHEET FOR MORE INFORMATION. SEE CROSS SECTION SHEET FOR MORE INFORMATION.
- THIS WORK SHALL BE DONE ACCORDING TO THE APPLICABLE PORTION OF 503, 508, AND 540 OF THE STANDARD SPECIFICATIONS. EXPOSED EDGES SHALL BE BEVELED 3/4".
- THE COST OF EARTH EXCAVATION, WHERE REQUIRED, AND NECESSARY GRADING TO FIT THE CULVERT END SECTION AS SHOWN IN THE CROSS SECTIONS OR TO THE SLOPE IS INCLUDED IN COST OF "BOX CULVERT END SECTION, CULVERT No. 1."
- REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
- QUANTITIES SHOWN FOR INFORMATION ONLY. COST OF REINFORCEMENT AND CONCRETE INCLUDED WITH BOX CULVERT END SECTION, CULVERT NO. 1.

# 8'x8' Triple Box Culvert End Section RT & LT Station 2520 + 81

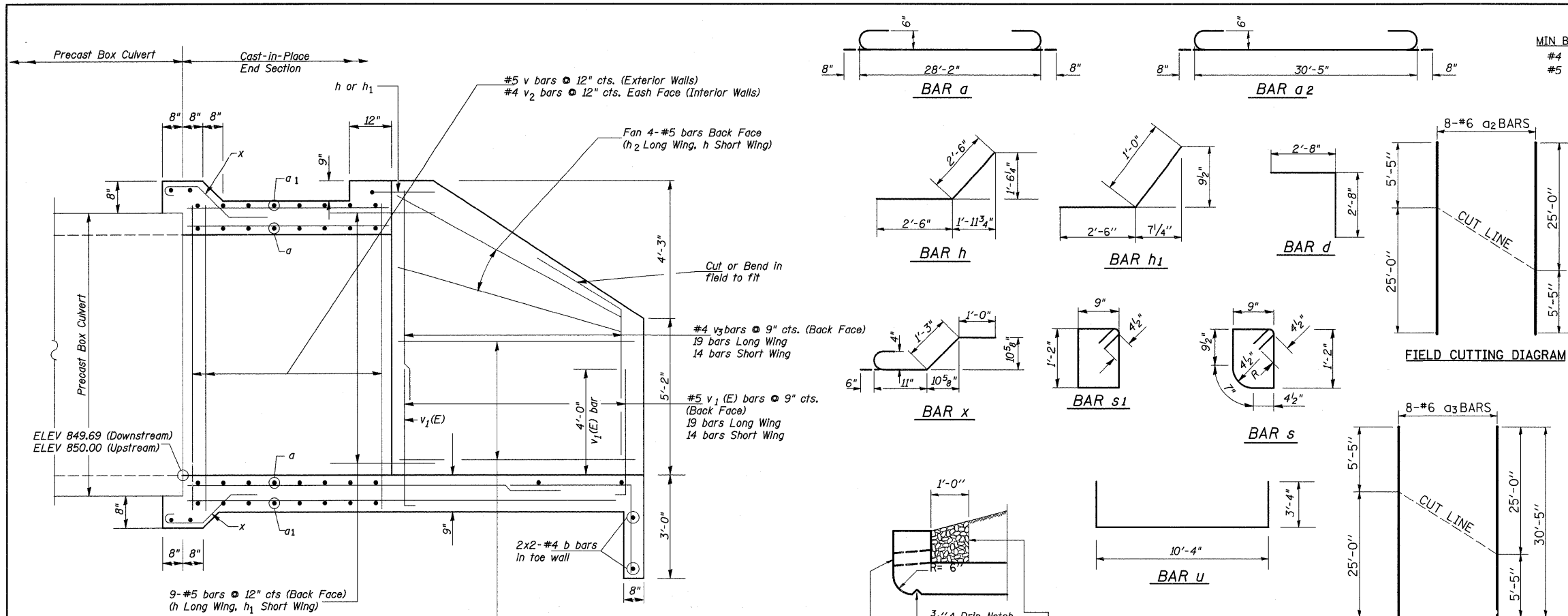


MIN BAR LAPS  
#4 = 1'-8"  
#5 = 2'-2"

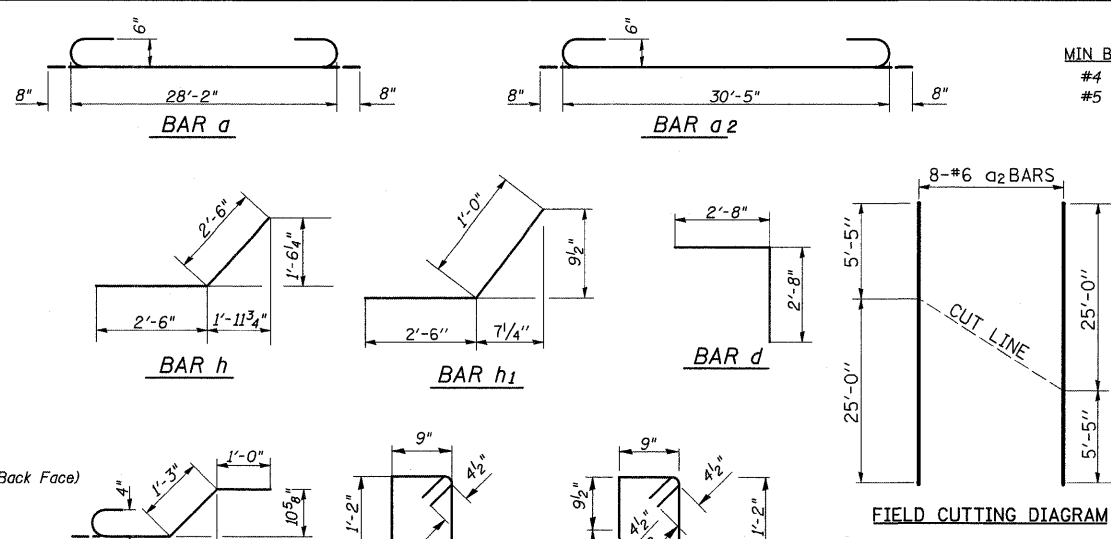


\*v<sub>1</sub>(E) bars shall not be placed more than 1/2" cl. from back face of wingwalls.  
Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line

|   |                             |              |           |   |  |   |         |   |              |           |
|---|-----------------------------|--------------|-----------|---|--|---|---------|---|--------------|-----------|
| FILE NAME =   | USER NAME = fordjd          | DESIGNED JOH | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>8' X 8' TRIPLE BOX CULVERT<br/>END SECTION DETAIL</b> | F.A.S. RTE.                                 | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |
| ct:\pw_work\p\WIDOT\FORDJD\dms33877\0264407culvertdetails.dgn | PLCT SCALE = 53.1746' / IN. | DRAWN TRD    | REVISED - |   |  | 1177  | 111T    | LASALLE                                       | 59           | 30        |
| PLCT DATE = Wed Dec 24 14:24:08 2008                          | DATE -                      | CHECKED BAN  | REVISED - |   |  | CONTRACT NO. 64A07                          |         |   |              |           |
|   |                             |              | REVISED - |   |  | SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA. |         | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |              |           |



**LONG SECTION**



**FIELD CUTTING DIAGRAM**

MIN BAR LAPS  
 #4 = 1'-8"  
 #5 = 2'-2"

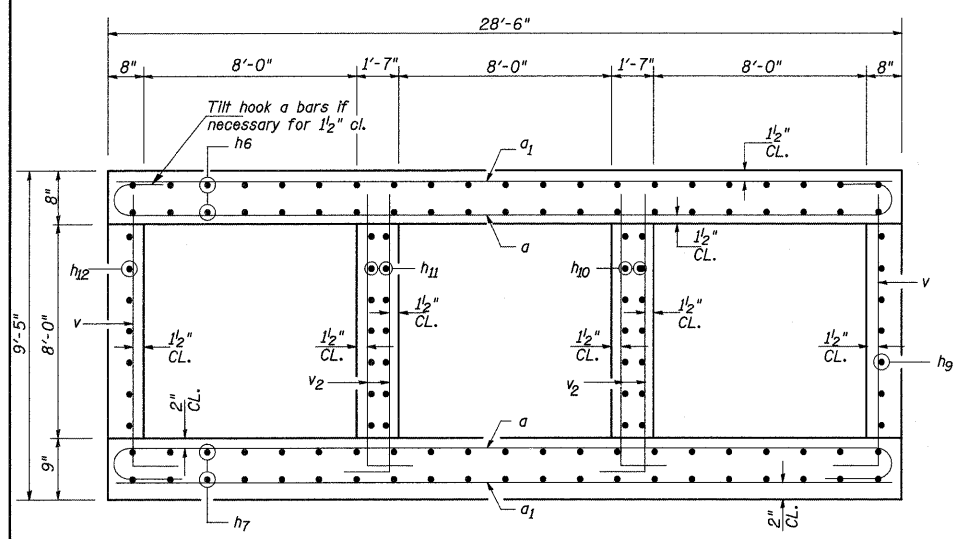
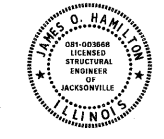
**GENERAL NOTES:**

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 GRADE 60. SEE SPECIAL PROVISIONS.  
 SEE PLAN AND PROFILE SHEET FOR MORE INFORMATION.  
 SEE CROSS SECTION SHEET FOR MORE INFORMATION.  
 THIS WORK SHALL BE DONE ACCORDING TO THE APPLICABLE PORTION OF 503, 508 AND 540 OF THE STANDARD SPECIFICATIONS.  
 EXPOSED EDGES SHALL BE BEVELED 3/4".  
 THE COST OF EARTH EXCAVATION, WHERE REQUIRED, AND NECESSARY GRADING TO FIT THE INLET AS SHOWN IN THE CROSS SECTIONS OR TO THE SLOPE IS INCLUDED IN COST OF "CONCRETE BOX CULVERTS."  
 REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

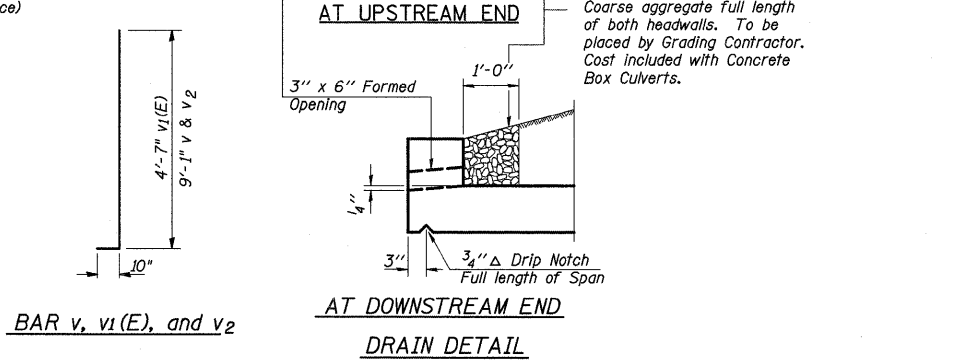
**BILL OF MATERIAL**

| BAR                             | NO. | SIZE | LENGTH  | SHAPE  |
|---------------------------------|-----|------|---------|--------|
| a                               | 16  | #6   | 29'-6"  | [hook] |
| a1                              | 16  | #6   | 28'-2"  | [hook] |
| a2                              | 16  | #6   | 31'-9"  | [hook] |
| a3                              | 16  | #6   | 30'-5"  | [hook] |
| b                               | 32  | #4   | 23'-9"  | [hook] |
| d                               | 62  | #4   | 5'-4"   | [hook] |
| h                               | 20  | #5   | 5'-0"   | [hook] |
| h1                              | 20  | #5   | 3'-6"   | [hook] |
| h2                              | 20  | #5   | 13'-6"  | [hook] |
| h3                              | 20  | #5   | 10'-0"  | [hook] |
| h4                              | 4   | #6   | 27'-10" | [hook] |
| h5                              | 4   | #6   | 28'-10" | [hook] |
| h6                              | 56  | #5   | 13'-1"  | [hook] |
| h7                              | 56  | #5   | 30'-1"  | [hook] |
| h8                              | 24  | #5   | 7'-6"   | [hook] |
| h9                              | 16  | #5   | 10'-2"  | [hook] |
| h10                             | 32  | #4   | 7'-8"   | [hook] |
| h11                             | 32  | #4   | 5'-1"   | [hook] |
| h12                             | 16  | #5   | 2'-11"  | [hook] |
| s                               | 29  | #4   | 4'-5"   | [hook] |
| s1                              | 29  | #4   | 4'-7"   | [hook] |
| v                               | 28  | #5   | 9'-11"  | [hook] |
| v1(E)                           | 66  | #5   | 5'-5"   | [hook] |
| v2                              | 56  | #4   | 9'-11"  | [hook] |
| v3                              | 66  | #4   | 7'-6"   | [hook] |
| u                               | 8   | #4   | 17'-0"  | [hook] |
| u1                              | 8   | #4   | 26'-3"  | [hook] |
| x                               | 156 | #4   | 3'-8"   | [hook] |
| CONCRETE BOX CULVERTS           |     |      | CU YD   | 78.2   |
| REINFORCEMENT BARS EPOXY COATED |     |      | POUND   | 370    |
| REINFORCEMENT BARS              |     |      | POUND   | 9600   |

\* BILL OF MATERIALS IS FOR ONE END SECTION

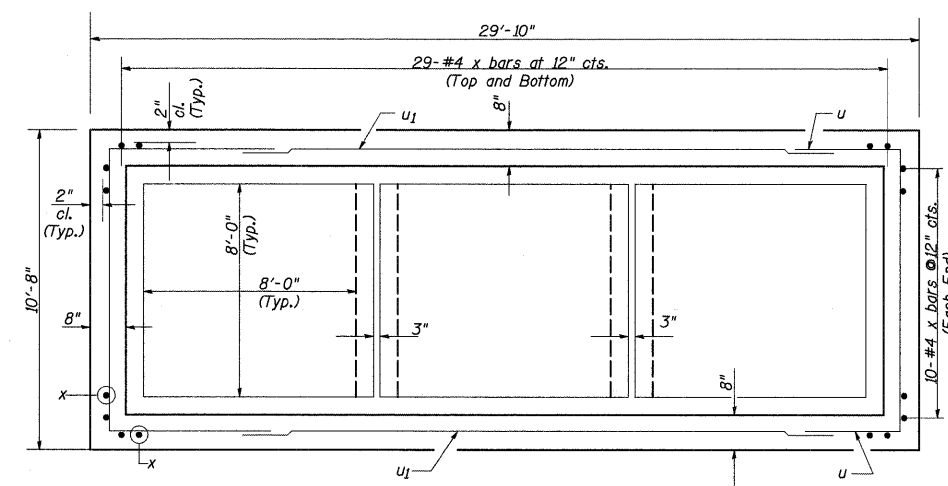


**SECTION THRU BARREL (Cast-in-Place)**

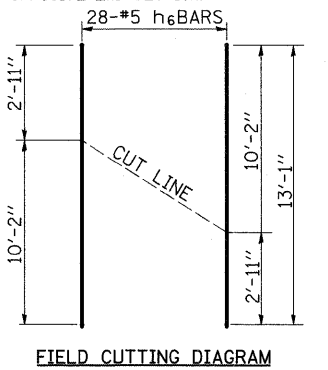


**DRAIN DETAIL**

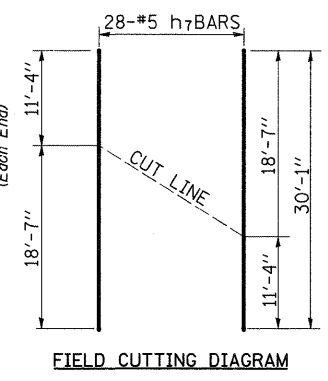
**BAR v, v1(E), and v2**



**SECTION A-A**



**FIELD CUTTING DIAGRAM**



**FIELD CUTTING DIAGRAM**

|   |                                      |              |           |
|---|--------------------------------------|--------------|-----------|
| FILE NAME =                             | USER NAME = FordJd                   | DESIGNED JOH | REVISED - |
| ct:\pw\work\IPWIDT\FORDJD\dms33877\0264 | 07culvertdetails.dgn                 | DRAWN TRD    | REVISED - |
|   | PLOT SCALE = 53.1746' / IN.          | CHECKED BAN  | REVISED - |
|   | PLOT DATE = Wed Dec 24 14:24:08 2008 | DATE -       | REVISED - |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

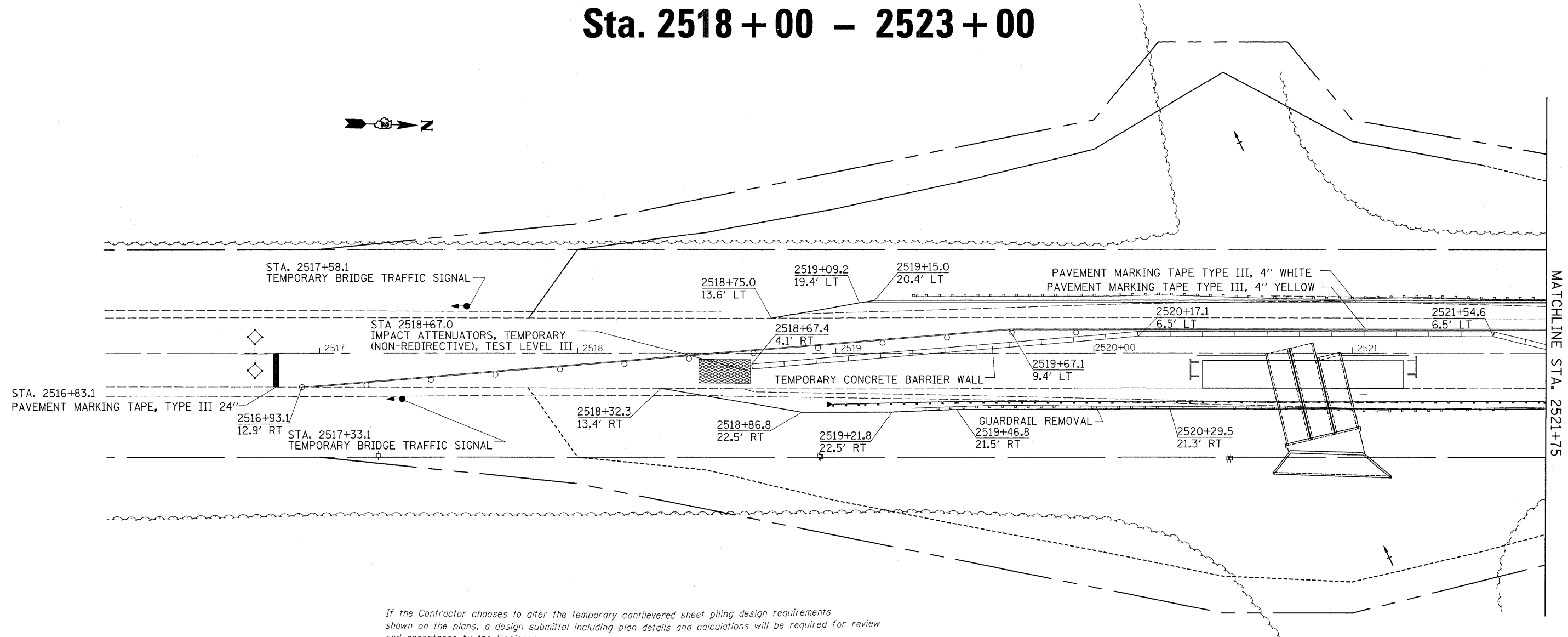
**TRIPLE BOX CULVERT DETAILS**

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

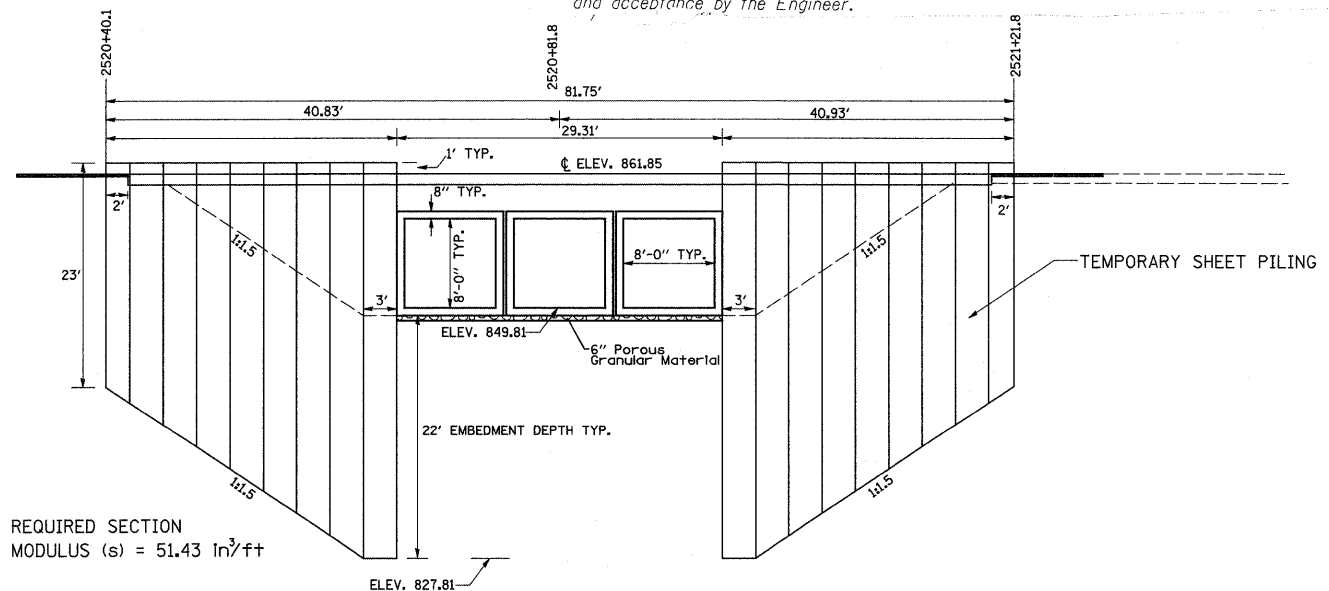
|   |         |         |                    |           |
|---|---------|---------|--------------------|-----------|
| F.A.S. RTE.                                   | SECTION | COUNTY  | TOTAL SHEETS       | SHEET NO. |
| 1177  | 111T    | LASALLE | 59                 | 31        |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |         | CONTRACT NO. 64A07 |           |

# STAGE 1

## Sta. 2518 + 00 - 2523 + 00



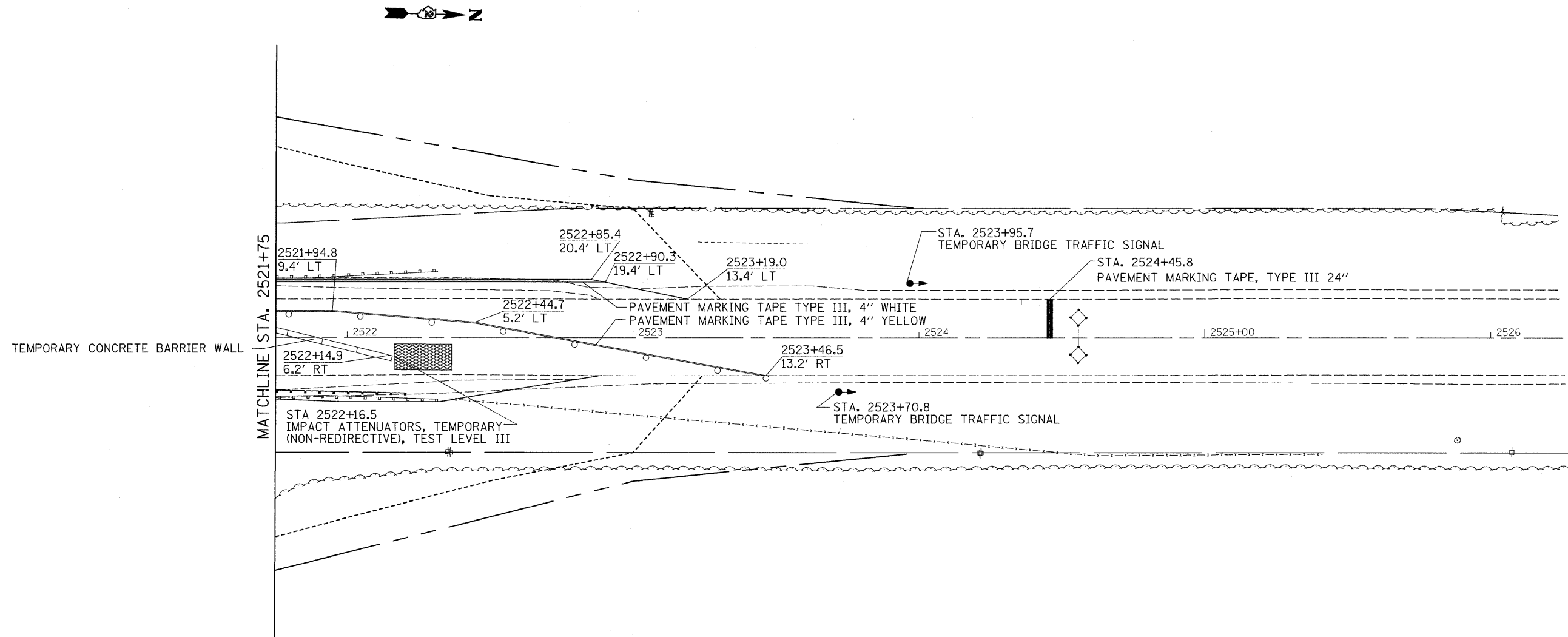
*If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.*



|  |                    |            |           |   |               |   |         |         |              |           |  |
|--|--------------------|------------|-----------|---|---------------|---|---------|---------|--------------|-----------|--|
| FILE NAME =  | USER NAME = fordjd | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b> | F.A.S. RTE.                                   | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |  |
| cr:\pw_work\pwwork\fordjd\dms33877\0264407-sht-staging.dgn |                    | DRAWN -    | REVISED - |   |               | 1177  | 111T    | LASALLE | 59           | 32        |  |
| PLOT SCALE = 20.0000' / IN.                                |                    | CHECKED -  | REVISED - |   |               | CONTRACT NO. 64A07                            |         |         |              |           |  |
| PLOT DATE = Wed Dec 24 14:35:13 2008                       |                    | DATE -     | REVISED - |   |               | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |         |              |           |  |

# STAGE 1

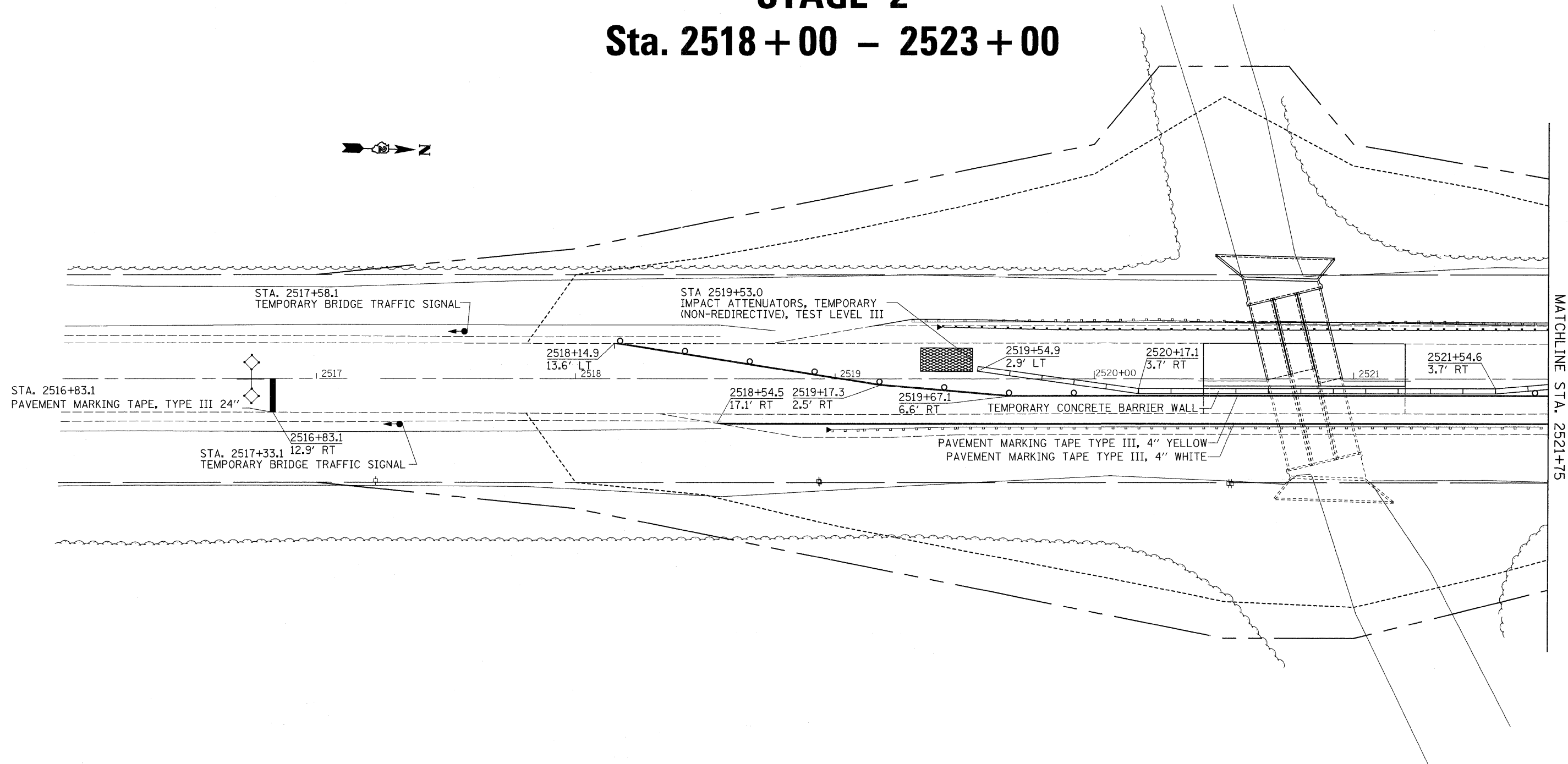
## Sta. 2518 + 00 - 2523 + 00



|  |                    |            |   |   |               |                     |         |              |              |           |
|--|--------------------|------------|---|---|---------------|---------------------|---------|--------------|--------------|-----------|
| FILE NAME =  | USER NAME = fordjd | DESIGNED - | REVISED -                                     | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b> | F.A.S. RTE.         | SECTION | COUNTY       | TOTAL SHEETS | SHEET NO. |
| ct:\pw\work\p\dot\Fordjd\dms33877\026407-sht-staging.dgn | 1177               | 111T       | LASALLE                                       |   |               | 59                  | 33      |              |              |           |
| PLOT SCALE = 20,0000' / IN.                              | CHECKED -          | REVISED -  | CONTRACT NO. 64A07                            |   |               |                     |         |              |              |           |
| PLOT DATE = Wed Dec 24 14:35:13 2008                     | DATE -             | REVISED -  | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |   |               |                     |         |              |              |           |
|  |                    |            |   | SCALE:  |               | SHEET NO. OF SHEETS |         | STA. TO STA. |              |           |

# STAGE 2

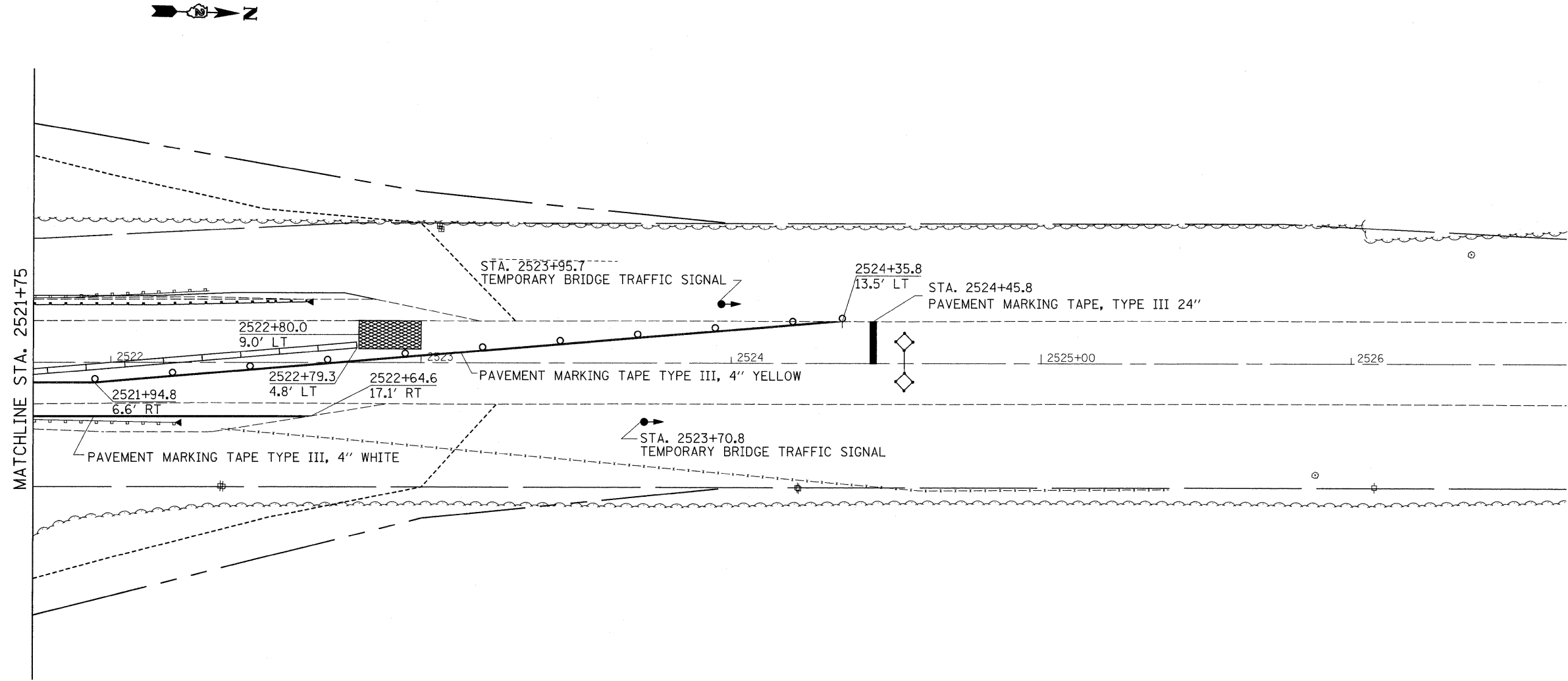
## Sta. 2518 + 00 - 2523 + 00



|   |                    |            |           |   |               |        |                     |              |   |                 |                   |                    |                 |
|---|--------------------|------------|-----------|---|---------------|--------|---------------------|--------------|---|-----------------|-------------------|--------------------|-----------------|
| FILE NAME =   | USER NAME = fordjd | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b> | SCALE: | SHEET NO. OF SHEETS | STA. TO STA. | F.A.S. RTE.<br>1177                           | SECTION<br>111T | COUNTY<br>LASALLE | TOTAL SHEETS<br>59 | SHEET NO.<br>34 |
| ot\pw_work\pwsdot\fordjd\dms33877\0264407-sht-staging.dgn |                    | DRAWN -    | REVISED - |   |               |        |                     |              | CONTRACT NO. 64A07                            |                 |                   |                    |                 |
|   |                    | CHECKED -  | REVISED - |   |               |        |                     |              | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                 |                   |                    |                 |
|   |                    | DATE -     | REVISED - |   |               |        |                     |              |   |                 |                   |                    |                 |

# STAGE 2

## Sta. 2518 + 00 - 2523 + 00



|   |                    |            |   |   |               |                     |         |              |              |           |
|---|--------------------|------------|---|---|---------------|---------------------|---------|--------------|--------------|-----------|
| FILE NAME =   | USER NAME = fordjd | DESIGNED - | REVISED -                                     | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b> | F.A.S. RTE.         | SECTION | COUNTY       | TOTAL SHEETS | SHEET NO. |
| ci:\pw_work\pwwork\fordjd\dms33877\026407-sht-staging.dgn | 1177               | 111T       | LASALLE                                       |   |               | 59                  | 35      |              |              |           |
| PLOT SCALE = 20,0000 ' / IN.                              | CHECKED -          | REVISED -  | CONTRACT NO. 64A07                            |   |               |                     |         |              |              |           |
| PLOT DATE = Wed Dec 24 14:35:14 2008                      | DATE -             | REVISED -  | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |   |               |                     |         |              |              |           |
|   |                    |            |   | SCALE:  |               | SHEET NO. OF SHEETS |         | STA. TO STA. |              |           |

# BORING LOGS



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

## SOIL BORING LOG

Page 1 of 2

Date 6/27/06

ROUTE IL 251 DESCRIPTION D92-055-04 Box culvert on IL 251, .1 m. S. of N. 45th Road LOGGED BY W. Garza

SECTION \_\_\_\_\_ LOCATION Mendota Twp. - 20NE, SEC., TWP. 36N, RNG. 1E

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

STRUCT. NO. 050-1004  
Station \_\_\_\_\_  
BORING NO. B-1  
Station 40' N.  
Offset 12.00ft W CL  
Ground Surface Elev. 99.70 ft

| Soil Description                    | Elev. (ft) | D (ft) | B (/6") | U (tsf) | M (%) | Soil Description                                     | Elev. (ft) | D (ft) | B (/6") | U (tsf) | M (%) | Surface Water Elev. |                 | Stream Bed Elev. |                 | Groundwater Elev. |      |  |
|-------------------------------------|------------|--------|---------|---------|-------|--|------------|--------|---------|---------|-------|---------------------|-----------------|------------------|-----------------|-------------------|------|--|
|                                     |            |        |         |         |       |  |            |        |         |         |       | First Encounter     | Upon Completion | First Encounter  | Upon Completion | After             | Hrs. |  |
| Asphalt                             |            |        |         |         |       | STIFF gray SILTY CLAY TILL                           | 78.20      | 2      |         |         |       |                     | Dry             |                  | 95.00           |                   | None |  |
| MEDIUM gray SILTY CLAY LOAM         |            |        | 0.6     | 25.0    |       |  |            | 4      | 1.6     | 14.0    |       |                     |                 |                  |                 |                   |      |  |
|                                     | 97.20      |        |         |         |       | STIFF gray SILTY CLAY TILL                           |            | 3      |         |         |       |                     |                 |                  |                 |                   |      |  |
| MEDIUM dark gray SILTY LOAM         |            | 2      |         | 31.0    |       |  | 75.70      | 5      | 1.7     | 14.0    |       |                     |                 |                  |                 |                   |      |  |
|                                     | 95.70      | 4      | P       |         |       |  |            | 7      | B       |         |       |                     |                 |                  |                 |                   |      |  |
| MEDIUM gray SILTY CLAY LOAM         |            |        |         |         |       | STIFF gray SILTY CLAY TILL                           |            | 3      |         |         |       |                     |                 |                  |                 |                   |      |  |
|                                     | 93.20      | 2      |         | 28.0    |       |  | 73.20      | 4      | 1.3     | 15.0    |       |                     |                 |                  |                 |                   |      |  |
|                                     |            | 4      | B       |         |       |  |            | 7      | B       |         |       |                     |                 |                  |                 |                   |      |  |
| VERY STIFF gray/tan SILTY CLAY TILL |            |        |         |         |       | STIFF gray SILTY CLAY TILL                           |            | 2      |         |         |       |                     |                 |                  |                 |                   |      |  |
|                                     | 90.70      | 3      |         | 16.0    |       |  | 70.70      | 4      | 1.9     | 16.0    |       |                     |                 |                  |                 |                   |      |  |
|                                     |            | 5      | B       |         |       |  |            | 7      | B       |         |       |                     |                 |                  |                 |                   |      |  |
| VERY STIFF gray SILTY CLAY TILL     |            |        |         |         |       | STIFF gray SILTY CLAY TILL                           |            | 2      |         |         |       |                     |                 |                  |                 |                   |      |  |
|                                     | 88.20      | 4      |         | 16.0    |       |  | 68.20      | 5      | 1.7     | 17.0    |       |                     |                 |                  |                 |                   |      |  |
|                                     |            | 7      | B       |         |       |  |            | 7      | B       |         |       |                     |                 |                  |                 |                   |      |  |
| VERY STIFF gray SILTY CLAY TILL     |            |        |         |         |       | VERY STIFF gray SILTY CLAY TILL with SAND lens       |            | 2      |         |         |       |                     |                 |                  |                 |                   |      |  |
|                                     | 85.70      | 3      |         | 14.0    |       |  | 65.70      | 4      | 2.1     | 16.0    |       |                     |                 |                  |                 |                   |      |  |
|                                     |            | 6      | B       |         |       |  |            | 8      | B       |         |       |                     |                 |                  |                 |                   |      |  |
| VERY STIFF gray SILTY CLAY TILL     |            |        |         |         |       | VERY STIFF gray SILTY CLAY TILL with dirty SAND lens |            | 3      |         |         |       |                     |                 |                  |                 |                   |      |  |
|                                     | 83.20      | 4      |         | 15.0    |       |  | 63.20      | 7      | 2.7     | 14.0    |       |                     |                 |                  |                 |                   |      |  |
|                                     |            | 6      | B       |         |       |  |            | 13     | B       |         |       |                     |                 |                  |                 |                   |      |  |
| STIFF gray SILTY CLAY TILL          |            |        |         |         |       | DENSE gray TILL                                      |            | 14     |         |         |       |                     |                 |                  |                 |                   |      |  |
|                                     | 80.70      | 2      |         | 13.0    |       |  |            | 17     |         |         |       |                     |                 |                  |                 |                   |      |  |
|                                     |            | 4      |         |         |       |  |            | 19     |         |         |       |                     |                 |                  |                 |                   |      |  |
|                                     |            | 7      | B       |         |       |  |            |        |         |         |       |                     |                 |                  |                 |                   |      |  |

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 2 of 2

Date 6/27/06

ROUTE IL 251 DESCRIPTION D92-055-04 Box culvert on IL 251, .1 m. S. of N. 45th Road LOGGED BY W. Garza

SECTION \_\_\_\_\_ LOCATION Mendota Twp. - 20NE, SEC., TWP. 36N, RNG. 1E

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

STRUCT. NO. 050-1004  
Station \_\_\_\_\_  
BORING NO. B-1  
Station 40' N.  
Offset 12.00ft W CL  
Ground Surface Elev. 99.70 ft

| Soil Description           | Elev. (ft) | D (ft) | B (/6") | U (tsf) | M (%) | Soil Description | Elev. (ft) | D (ft) | B (/6") | U (tsf) | M (%) | Surface Water Elev. |                 | Stream Bed Elev. |                 | Groundwater Elev. |      |  |
|----------------------------|------------|--------|---------|---------|-------|------------------|------------|--------|---------|---------|-------|---------------------|-----------------|------------------|-----------------|-------------------|------|--|
|                            |            |        |         |         |       |                  |            |        |         |         |       | First Encounter     | Upon Completion | First Encounter  | Upon Completion | After             | Hrs. |  |
| STIFF gray SILTY CLAY TILL |            |        |         |         |       |                  | 58.20      | 4      |         |         |       |                     | Dry             |                  | 95.00           |                   | None |  |
|                            |            |        |         |         |       |                  |            | 5      | 1.8     | 14.0    |       |                     |                 |                  |                 |                   |      |  |
| End of Boring              |            |        |         |         |       |                  |            | 8      | B       |         |       |                     |                 |                  |                 |                   |      |  |

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)

|  |                    |            |           |
|--|--------------------|------------|-----------|
| FILE NAME =  | USER NAME = fordjd | DESIGNED - | REVISED - |
| ct:\pw_work\PIWIDOT\FORDJD\dms33877\0264407-sht-blog.dgn |                    | DRAWN -    | REVISED - |
| PLOT SCALE = 50.0000' / IN.                              |                    | CHECKED -  | REVISED - |
| PLOT DATE = Wed Dec 24 14:05:26 2006                     |                    | DATE -     | REVISED - |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 251


|                     |         |         |              |                           |
|---------------------|---------|---------|--------------|---------------------------|
| F.A.S. RTE.         | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO.                 |
| 1177                | 111T    | LASALLE | 59           | 36                        |
| FED. ROAD DIST. NO. |         |         |              | ILLINOIS FED. AID PROJECT |
| CONTRACT NO.        |         |         |              | 64A07                     |

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





# BORING LOGS



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

## SOIL BORING LOG

Page 1 of 2

Date 3/10/04

ROUTE FAS 1177 DESCRIPTION P92-055-04 IL 251 bridge over Pike Creek, 0.2 m. S. of N46th Road LOGGED BY C. Jenkins


SECTION 111BR-2 LOCATION Mendota Twp. - NW 16, NE 17, SEC., TWP. 36N, RNG. 1E

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

| STRUCT. NO.<br>Station                   | D<br>E<br>P<br>T<br>H | B<br>L<br>O<br>S<br>S | U<br>C<br>S | M<br>O<br>I<br>S<br>T<br>U<br>R<br>E | Surface Water Elev. | Stream Bed Elev. | Groundwater Elev.:<br>First Encounter<br>Upon Completion<br>After _____ Hrs. | D<br>E<br>P<br>T<br>H | B<br>L<br>O<br>S<br>S | U<br>C<br>S | M<br>O<br>I<br>S<br>T<br>U<br>R<br>E |      |
|--|-----------------------|-----------------------|-------------|--------------------------------------|---------------------|------------------|--|-----------------------|-----------------------|-------------|--------------------------------------|------|
|  |                       |                       |             |                                      |                     |                  |  |                       |                       |             |                                      | (ft) |
| Asphalt                                  |                       |                       |             |                                      | 90.00 ft            | 88.50 ft         |  |                       |                       |             |                                      |      |
| MEDIUM black SILTY LOAM with some GRAVEL |                       |                       | 0.7         | 19.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|  |                       | P                     |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
| STIFF tan/gray SILTY CLAY                | 97.10                 | 2                     |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|  |                       | 5                     | 1.2         | 22.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|  | 95.60                 | 5                     | S           |                                      |                     |                  |  |                       |                       |             |                                      |      |
| STIFF black SILTY CLAY                   |                       | 3                     |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|  |                       | 4                     | 1.4         | 26.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|  | 93.10                 | 6                     | P           |                                      |                     |                  |  |                       |                       |             |                                      |      |
| STIFF gray/black SILTY CLAY              |                       | 2                     |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|  |                       | 3                     | 1.1         | 24.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|  | 90.60                 | 5                     | B           |                                      |                     |                  |  |                       |                       |             |                                      |      |
| STIFF blue/gray CLAY                     |                       | 2                     |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|  |                       | 3                     | 1.2         | 28.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|  | 88.10                 | 5                     | B           |                                      |                     |                  |  |                       |                       |             |                                      |      |
| MEDIUM gray SILTY CLAY                   |                       | 1                     |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|  |                       | 3                     | 0.8         | 26.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|  | 85.60                 | 4                     | B           |                                      |                     |                  |  |                       |                       |             |                                      |      |
| Same as above                            |                       | 1                     |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|  |                       | 1                     | 0.6         | 26.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|  | 83.10                 | 2                     | B           |                                      |                     |                  |  |                       |                       |             |                                      |      |
| MEDIUM gray SILT                         |                       | 1                     |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|  |                       | 1                     | 0.5         | 25.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|  | 80.60                 | 3                     | B           |                                      |                     |                  |  |                       |                       |             |                                      |      |

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 2 of 2

Date 3/10/04

ROUTE FAS 1177 DESCRIPTION P92-055-04 IL 251 bridge over Pike Creek, 0.2 m. S. of N46th Road LOGGED BY C. Jenkins

SECTION 111BR-2 LOCATION Mendota Twp. - NW 16, NE 17, SEC., TWP. 36N, RNG. 1E


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

| STRUCT. NO.<br>Station                      | D<br>E<br>P<br>T<br>H | B<br>L<br>O<br>S<br>S | U<br>C<br>S | M<br>O<br>I<br>S<br>T<br>U<br>R<br>E | Surface Water Elev. | Stream Bed Elev. | Groundwater Elev.:<br>First Encounter<br>Upon Completion<br>After _____ Hrs. | D<br>E<br>P<br>T<br>H | B<br>L<br>O<br>S<br>S | U<br>C<br>S | M<br>O<br>I<br>S<br>T<br>U<br>R<br>E |      |
|---|-----------------------|-----------------------|-------------|--------------------------------------|---------------------|------------------|--|-----------------------|-----------------------|-------------|--------------------------------------|------|
|   |                       |                       |             |                                      |                     |                  |  |                       |                       |             |                                      | (ft) |
|   |                       |                       |             |                                      | 90.00 ft            | 88.50 ft         |  |                       |                       |             |                                      |      |
|   |                       |                       |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
| HARD mauve CLAY TILL                        |                       | 10                    |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|   |                       | 13                    | 6.8         | 11.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|   | 58.10                 | 19                    | B           |                                      |                     |                  |  |                       |                       |             |                                      |      |
| HARD mauve SILTY CLAY TILL                  |                       | 7                     |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|   |                       | 11                    | 6.4         | 10.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|   | 55.60                 | 16                    | B           |                                      |                     |                  |  |                       |                       |             |                                      |      |
| Same as above                               |                       | 10                    |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|   |                       | 12                    | 7.2         | 10.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|   | 53.10                 | 25                    | B           |                                      |                     |                  |  |                       |                       |             |                                      |      |
| HARD mauve SILTY CLAY TILL with SAND lenses |                       | 8                     |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|   |                       | 10                    | 4.5         | 10.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|   | 50.10                 | 12                    | P           |                                      |                     |                  |  |                       |                       |             |                                      |      |
| MEDIUM tan SAND & GRAVEL                    |                       | 8                     |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|   |                       | 10                    |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|   | 48.10                 | 12                    |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
| Same as above                               |                       | 10                    |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|   |                       | 10                    |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|   | 45.10                 | 10                    |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
| HARD mauve SILTY CLAY TILL                  |                       | 7                     |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|   |                       | 11                    | 4.5         | 10.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|   | 43.10                 | 15                    | B           |                                      |                     |                  |  |                       |                       |             |                                      |      |
| Same as above                               |                       | 4                     |             |                                      |                     |                  |  |                       |                       |             |                                      |      |
|   |                       | 7                     | 4.5         | 11.0                                 |                     |                  |  |                       |                       |             |                                      |      |
|   | 40.60                 | 13                    | B           |                                      |                     |                  |  |                       |                       |             |                                      |      |

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)

# BORING LOGS



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

## SOIL BORING LOG

Page 1 of 2  
Date 3/12/04

ROUTE FAS 1177 DESCRIPTION P92-055-04 IL 251 bridge over Pike Creek, 0.2 m. S. of N46th Road LOGGED BY C. Jenkins


SECTION 111BR-2 LOCATION Mendota Twp. - NW 16, NE 17, SEC., TWP. 36N, RNG. 1E

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

| STRUCT. NO.<br>Station      | D<br>E<br>P<br>T<br>H | B<br>L<br>O<br>W<br>S | U<br>C<br>S | M<br>O<br>S<br>T | Surface Water Elev.<br>Stream Bed Elev. | D<br>E<br>P<br>T<br>H | B<br>L<br>O<br>W<br>S | U<br>C<br>S | M<br>O<br>S<br>T | Groundwater Elev.:<br>First Encounter<br>Upon Completion<br>After | H<br>S | Q<br>u | T | ft | (ft) | (/6") | (tsf) | Hrs. | ft | (ft) | (/6") | (tsf) | Hrs. |     |
|-----------------------------|-----------------------|-----------------------|-------------|------------------|---|-----------------------|-----------------------|-------------|------------------|---|--------|--------|---|----|------|-------|-------|------|----|------|-------|-------|------|-----|
|                             |                       |                       |             |                  |   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      | (%) |
| Asphalt Shoulder            |                       |                       |             |                  | 90.00                                   |                       |                       |             |                  | 77.3  |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| MEDIUM black SILTY CLAY     |                       |                       | 0.7         | 27.0             | 88.50                                   |                       |                       |             |                  | Wash  |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|                             |                       |                       | P           |                  | 78.30                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| MEDIUM black SILTY LOAM     |                       |                       |             |                  | 97.30                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|                             |                       |                       |             |                  | 95.80                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| STIFF black SILTY CLAY      |                       |                       |             |                  | -5                                      |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|                             |                       |                       |             |                  | 93.30                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| STIFF gray/black SILTY CLAY |                       |                       |             |                  |   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|                             |                       |                       |             |                  | 90.80                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| STIFF black SILTY CLAY      |                       |                       |             |                  | -10                                     |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|                             |                       |                       |             |                  | 88.30                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| SOFT gray SILTY LOAM        |                       |                       |             |                  |   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|                             |                       |                       |             |                  | 85.80                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| Same as above               |                       |                       |             |                  | -15                                     |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|                             |                       |                       |             |                  | 83.30                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| SOFT gray SILT              |                       |                       |             |                  |   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|                             |                       |                       |             |                  | 80.80                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|                             |                       |                       |             |                  | -20                                     |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |

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**  
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## SOIL BORING LOG

Page 2 of 2  
Date 3/12/04

ROUTE FAS 1177 DESCRIPTION P92-055-04 IL 251 bridge over Pike Creek, 0.2 m. S. of N46th Road LOGGED BY C. Jenkins

SECTION 111BR-2 LOCATION Mendota Twp. - NW 16, NE 17, SEC., TWP. 36N, RNG. 1E

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

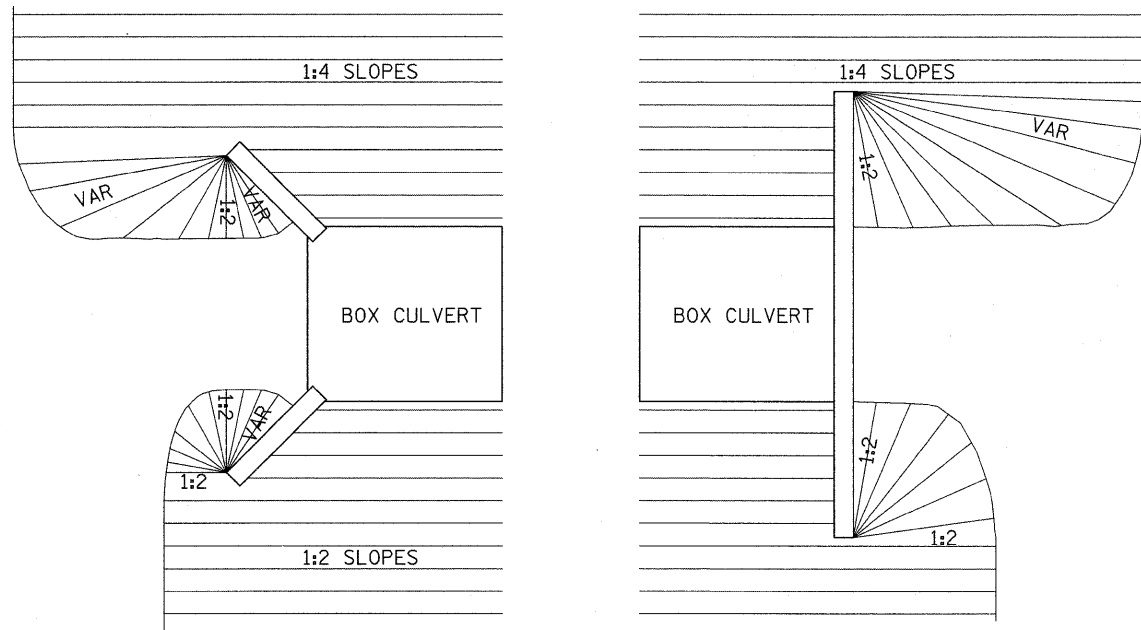
| STRUCT. NO.<br>Station  | D<br>E<br>P<br>T<br>H | B<br>L<br>O<br>W<br>S | U<br>C<br>S | M<br>O<br>S<br>T | Surface Water Elev.<br>Stream Bed Elev. | D<br>E<br>P<br>T<br>H | B<br>L<br>O<br>W<br>S | U<br>C<br>S | M<br>O<br>S<br>T | Groundwater Elev.:<br>First Encounter<br>Upon Completion<br>After | H<br>S | Q<br>u | T | ft | (ft) | (/6") | (tsf) | Hrs. | ft | (ft) | (/6") | (tsf) | Hrs. |     |
|---|-----------------------|-----------------------|-------------|------------------|---|-----------------------|-----------------------|-------------|------------------|---|--------|--------|---|----|------|-------|-------|------|----|------|-------|-------|------|-----|
|   |                       |                       |             |                  |   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      | (%) |
| VERY STIFF mauve SILTY CLAY   |                       |                       |             |                  | 90.00                                   |                       |                       |             |                  | 77.3  |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| TILL  |                       |                       |             |                  | 88.50                                   |                       |                       |             |                  | Wash  |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|   |                       |                       |             |                  | 58.30                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| Same as above   |                       |                       |             |                  |   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|   |                       |                       |             |                  | 55.30                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| VERY DENSE tan SAND & GRAVEL with LIMESTONE fragments & a TILL lens |                       |                       |             |                  | -45                                     |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|   |                       |                       |             |                  | 52.80                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| Wash  |                       |                       |             |                  |   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| HARD brown SILTY CLAY TILL  |                       |                       |             |                  |   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|   |                       |                       |             |                  | 50.80                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| Same as above   |                       |                       |             |                  | -50                                     |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|   |                       |                       |             |                  | 48.30                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| HARD brown SILTY CLAY TILL with a GRAVEL lens                       |                       |                       |             |                  |   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|   |                       |                       |             |                  | 45.80                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| HARD mauve SILTY CLAY TILL  |                       |                       |             |                  | -55                                     |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|   |                       |                       |             |                  | 43.30                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
| Same as above   |                       |                       |             |                  |   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|   |                       |                       |             |                  | 40.80                                   |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |
|   |                       |                       |             |                  | -60                                     |                       |                       |             |                  |   |        |        |   |    |      |       |       |      |    |      |       |       |      |     |

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)

|  |                    |            |   |   |               |             |         |        |              |           |
|--|--------------------|------------|---|---|---------------|-------------|---------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = fordjd | DESIGNED - | REVISED -                                     | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b> | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ct:\pw_work\VPWIDOT\FORDJD\dms33877\0264407-shb-blog.dgn | DRAWN -            | REVISED -  | 1177  |   |               | 111T        | LASALLE | 59     | 39           |           |
| PLOT SCALE = 50,0000' / IN.                              | CHECKED -          | REVISED -  | CONTRACT NO. 64A07                            |   |               |             |         |        |              |           |
| PLOT DATE = Wed Dec 24 14:05:28 2008                     | DATE -             | REVISED -  | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |   |               |             |         |        |              |           |

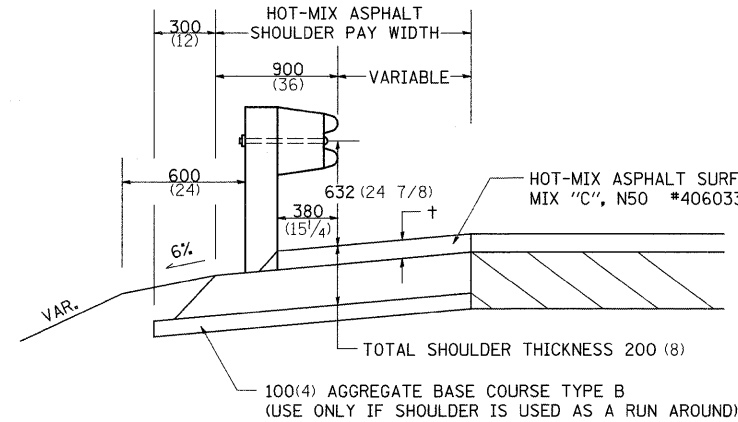
# GRADING AROUND WINGWALLS



10-21-08

GRADING AROUND WINGWALLS 20.4

# DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARD RAIL



† = SEE TYPICAL SECTIONS FOR THICKNESS

### GENERAL NOTES

THE TOP LIFT SHALL NOT BE PLACED BEHIND THE GUARDRAIL POSTS. WHEN PLACING THE TOP LIFT THE RAIL MUST BE REMOVED FROM THE POSTS. THE POST SHALL NOT BE REMOVED.

THE HEIGHT OF THE GUARD RAIL SHALL BE SET 632 (24 7/8) FROM THE FINISHED SURFACE.

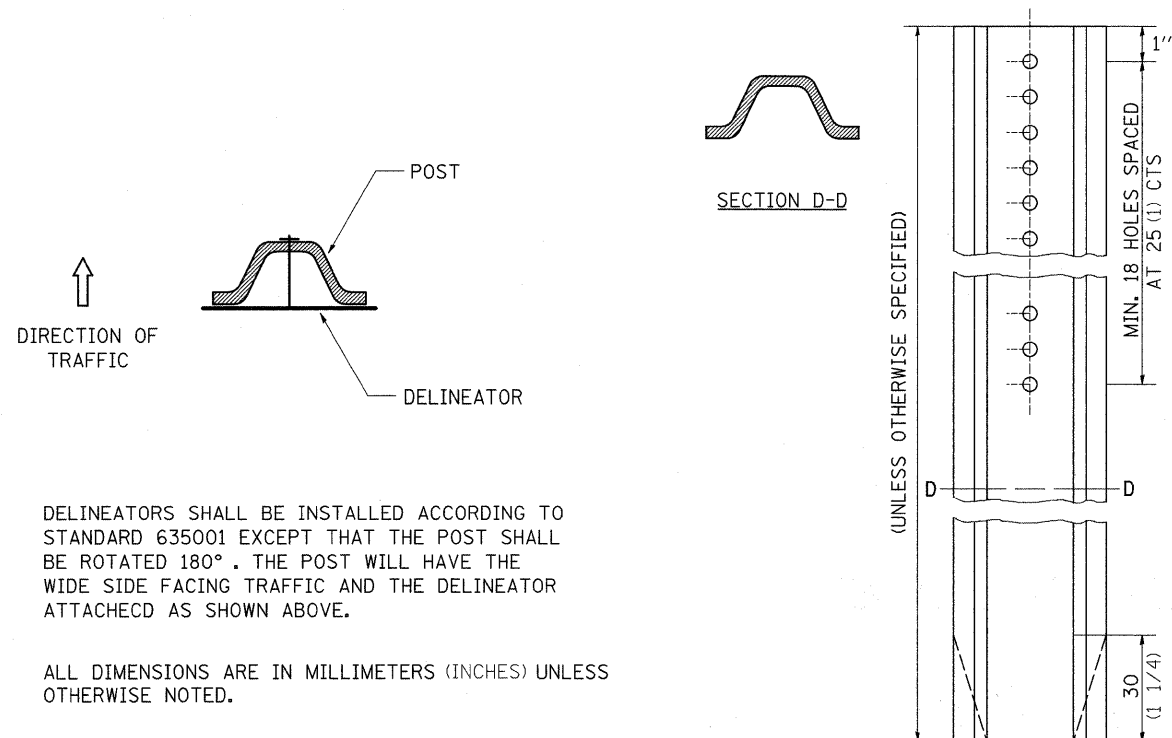
THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C", N50 AND SQUARE METER (SQUARE YARD) FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED. THE REMOVAL & REINSTALLATION OF THE GUARDRAIL WILL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50.

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

REVISED - 11-01-07

DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARD RAIL 23.4

# DELINEATOR AND POST ORIENTATION



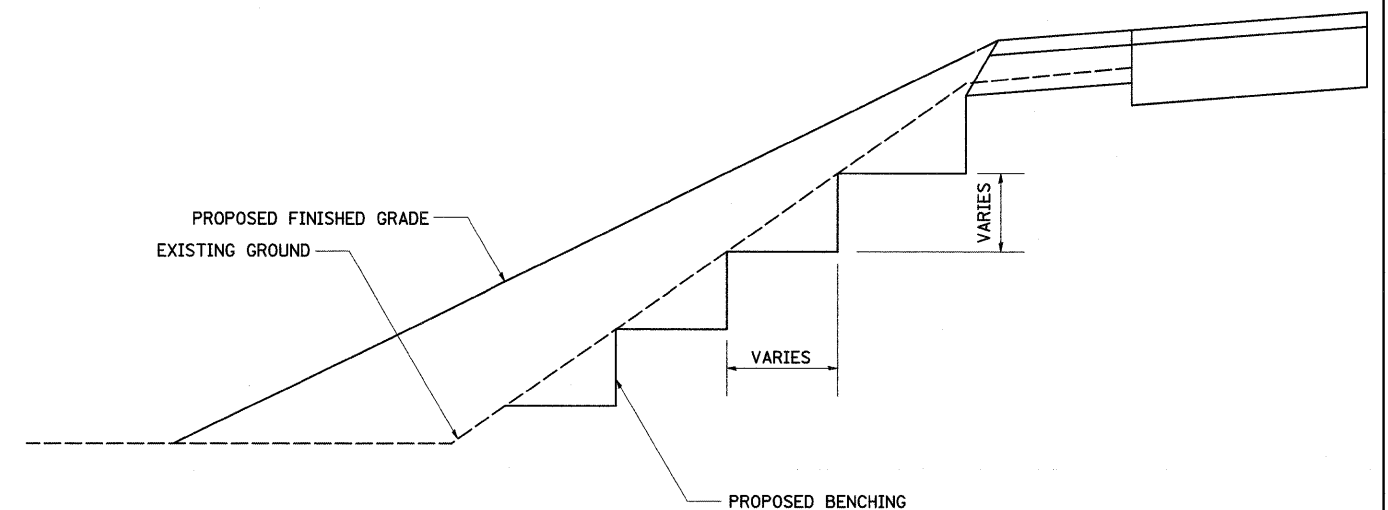
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

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

REVISED - 11-01-07

DELINEATOR AND POST ORIENTATION 37.4

# TYPICAL BENCHING ON EXISTING EMBANKMENT



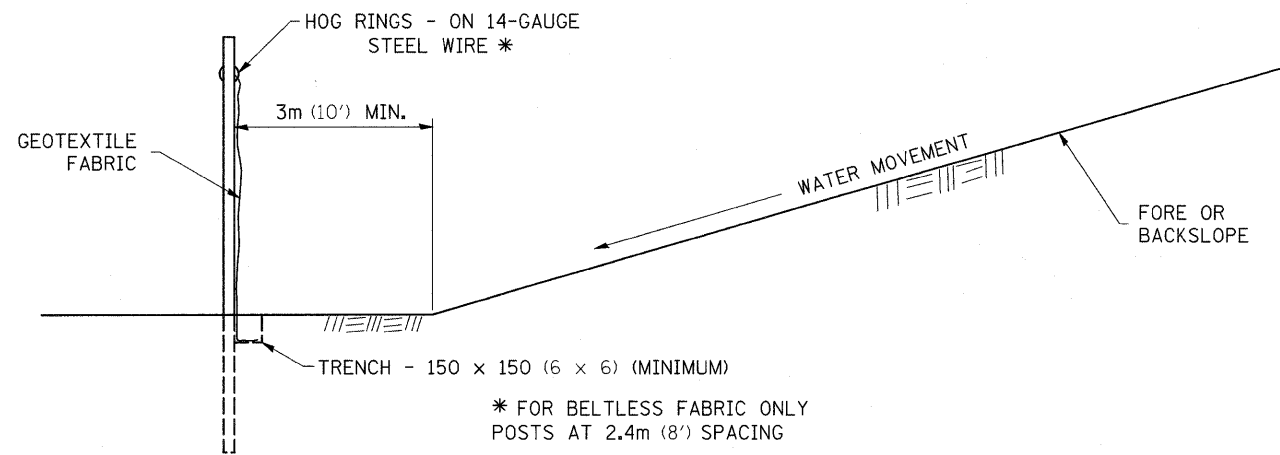
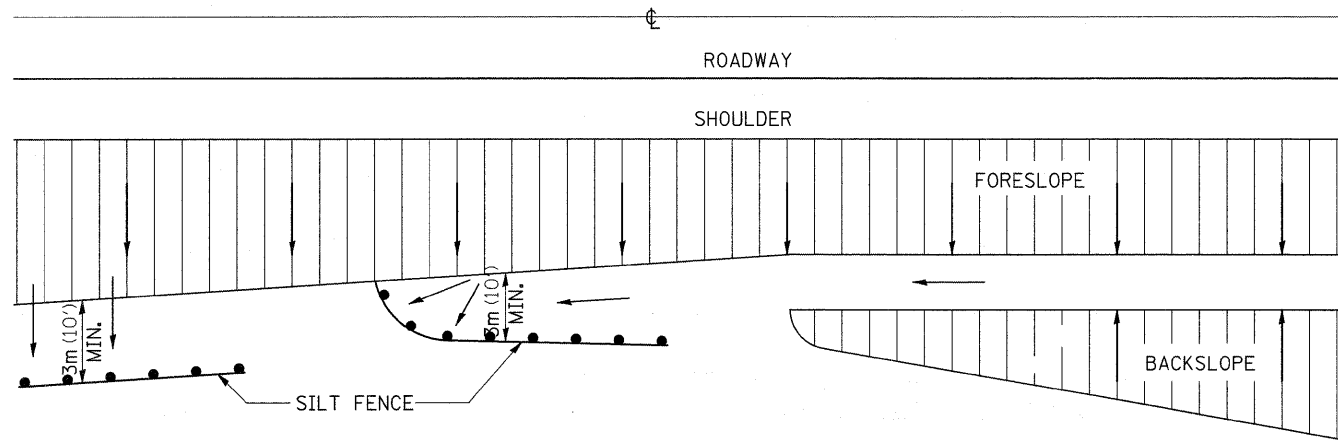
|                   |                                |   |         |         |              |           |
|-------------------|--------------------------------|---|---------|---------|--------------|-----------|
| REVISED - 2-22-06 | REGION 2 / DISTRICT 2 STANDARD | F.A.S. RTE.   | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |
| REVISED -         |                                | 1177  | 111T    | LASALLE | 59           | 40        |
| REVISED -         |                                | CONTRACT NO. 64A07  |         |         |              |           |
| REVISED -         |                                | SCALE: 50.0000' / IN SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |         |              |           |

PLOT DATE = Wed Dec 24 14:22:43 2008

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4



# EROSION CONTROL DETAILS FOR SILT FENCE

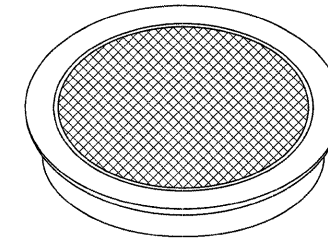


DETAILS OF SILT FENCE

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

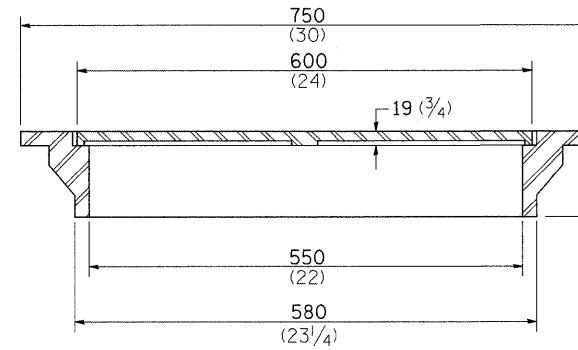
REVISED - 10-22-01

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

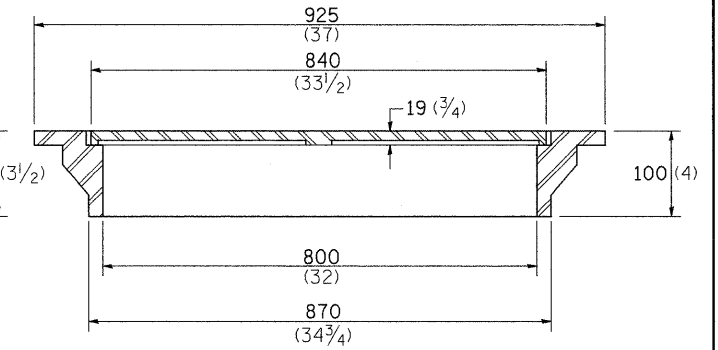


FRAME & LID FOR 600 (24) VAULT

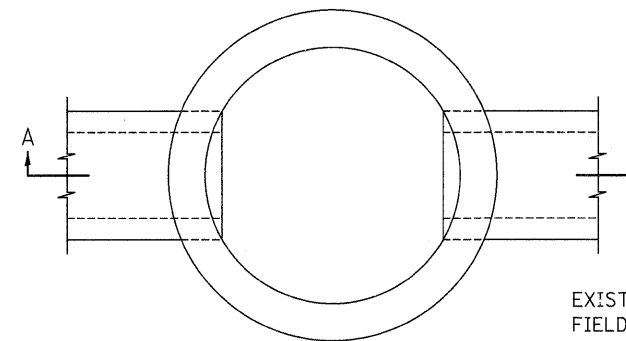
FRAME & LID FOR 900 (36) VAULT



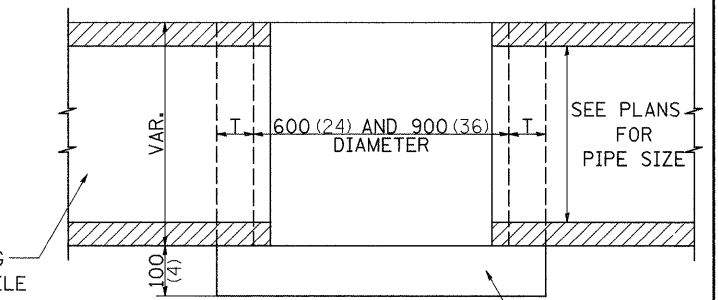
TOTAL WEIGHT: 66 Kg (146 lbs)



TOTAL WEIGHT: 127 Kg (280 lbs)



PLAN

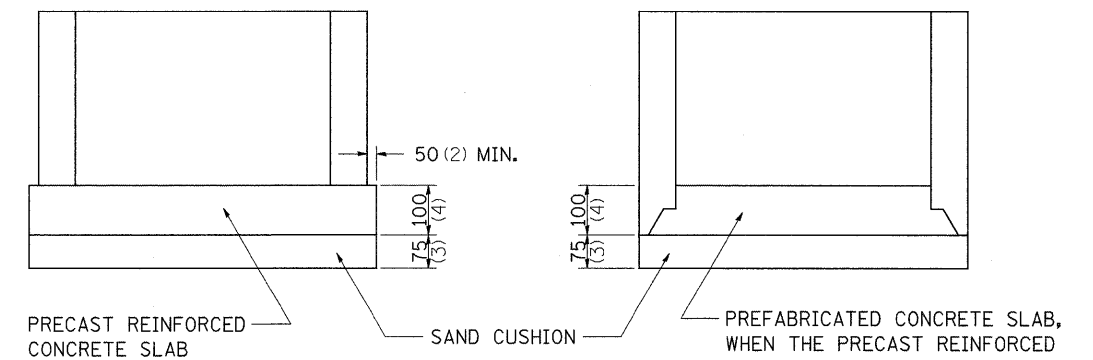


CAST-IN-PLACE CONCRETE SECTION A-A

| 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.



ALTERNATE METHODS

|                   |  |  |  |  |   |         |         |              |           |
|-------------------|--|--|--|--|---|---------|---------|--------------|-----------|
| REVISED - 5-03-94 | REGION 2 / DISTRICT 2 STANDARD                       |  |  |  | F.A.S. RTE.                                   | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |
| REVISED -         |  |  |  |  | 1177  | 111T    | LASALLE | 59           | 42        |
| REVISED -         |  |  |  |  | CONTRACT NO. 64A07                            |         |         |              |           |
| REVISED -         | SCALE: 50.0000 / IN SHEET NO. OF SHEETS STA. TO STA. |  |  |  | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |         |              |           |



# 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 THE REMOVAL OF EXISTING CULVERT AND BRIDGE, FILLING OF ONE CULVERT, AND REPLACEMENT OF STRUCTURES WITH AN 8' x 4' PRECAST BOX CULVERT, AND AN 8' x 8' PRECAST CONCRETE BOX CULVERT

##### 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) 2.98 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) 1.61 ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 2.23 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

PIKE CREEK

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#### 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

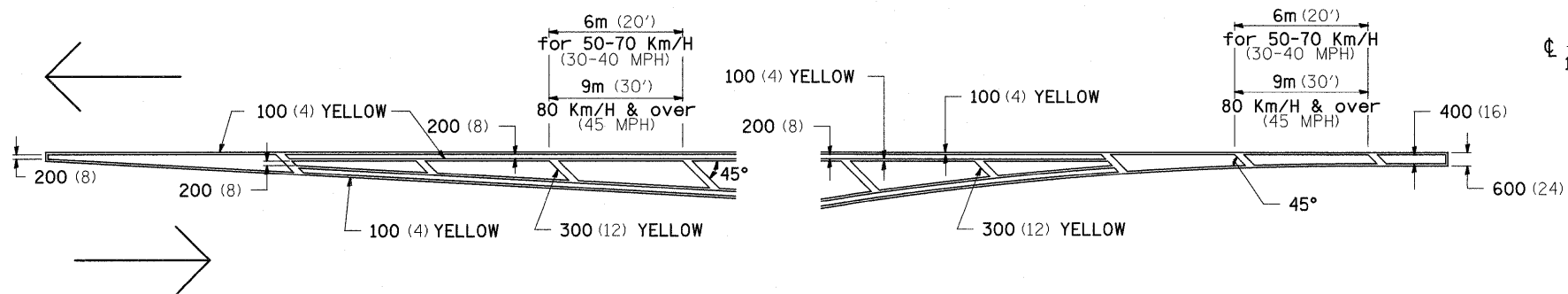
TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDER AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND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

|   |                    |            |   |   |                                       |             |         |        |              |           |
|---|--------------------|------------|---|---|---------------------------------------|-------------|---------|--------|--------------|-----------|
| FILE NAME =   | USER NAME = fordjd | DESIGNED - | REVISED - 5-12-04                             | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>REGION 2 / DISTRICT 2 STANDARD</b> | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ct:\pw_work\NPWIDOT\FORDJD\dms33877\0264407-shd-details.dgn | DRAWN -            | REVISED -  | 1177  |   |                                       | 111T        | LASALLE | 59     | 44           |           |
| PLOT SCALE = 50.0000' / IN.                                 | CHECKED -          | REVISED -  | CONTRACT NO. 64A07                            |   |                                       |             |         |        |              |           |
| PLOT DATE = Wed Dec 24 14:22:44 2008                        | DATE -             | REVISED -  | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |   |                                       |             |         |        |              |           |
|   |                    |            |   | SCALE: SHEET NO. OF SHEETS STA. TO STA.                   |                                       |             |         |        |              |           |

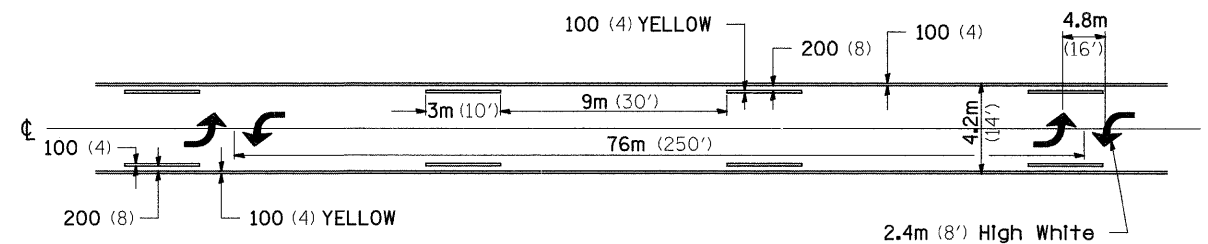


# TYPICAL PAVEMENT MARKINGS

## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

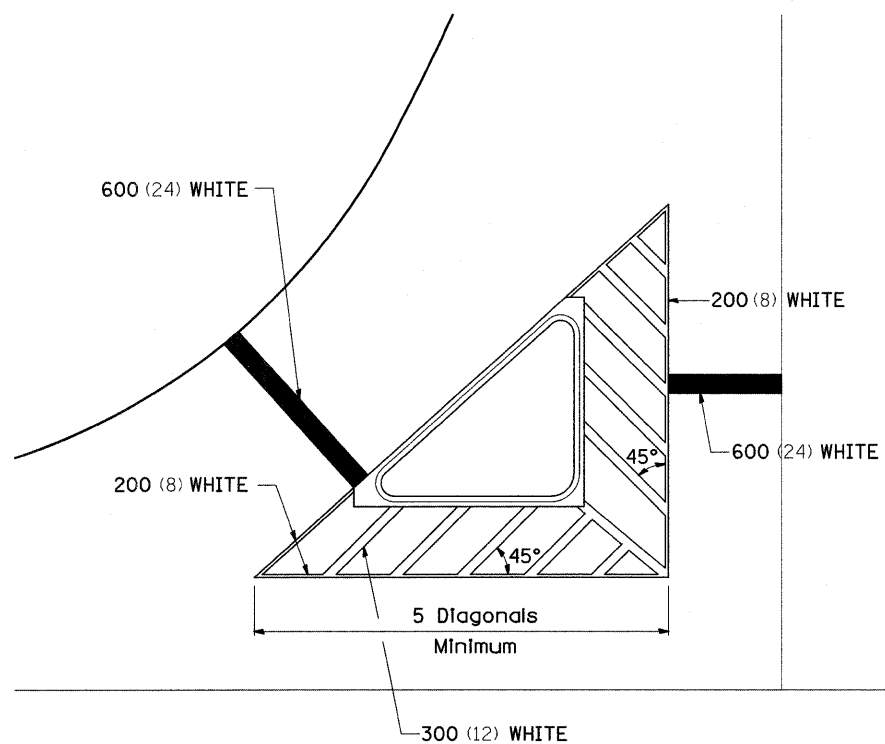


## MEDIAN PAVEMENT MARKING

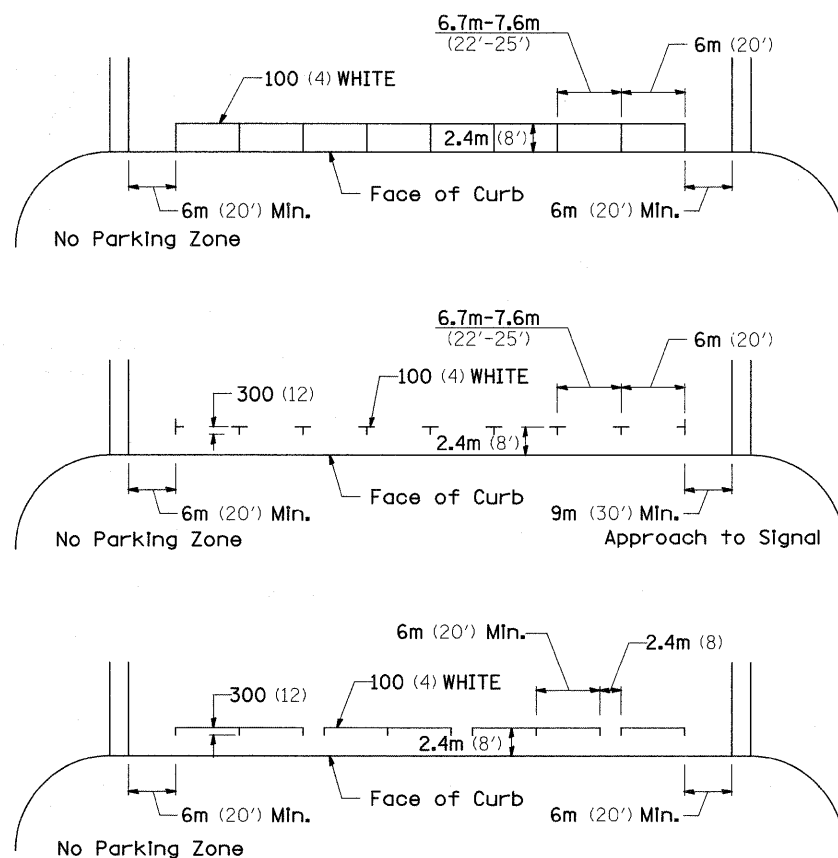


•• ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH

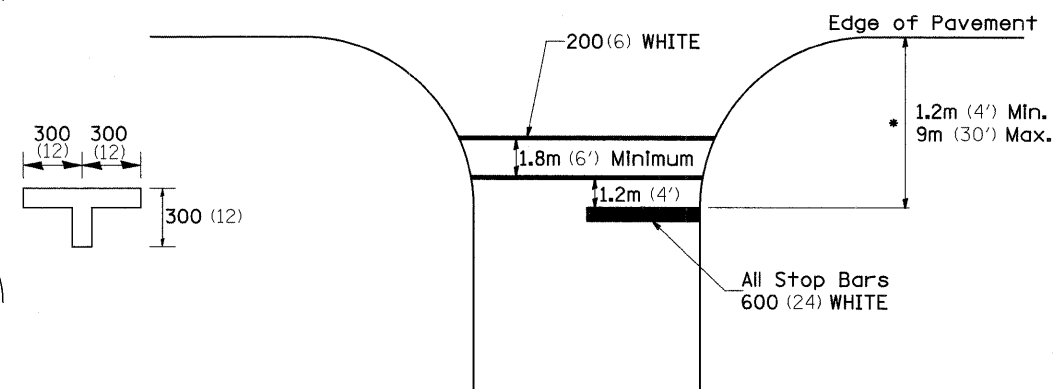


## TYPICAL PARKING SPACING



## STANDARD CROSSWALK MARKING

See Schedules for Locations

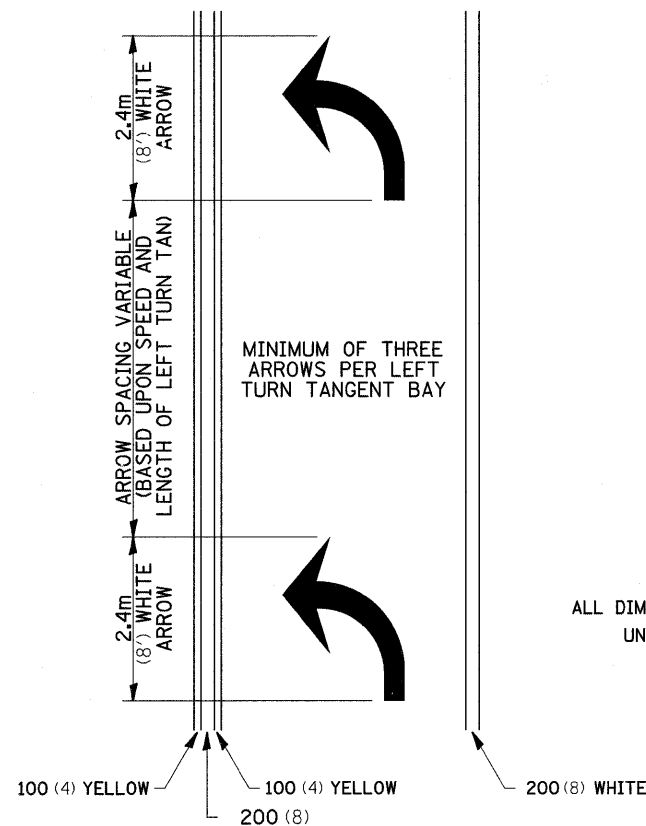


\* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

|  |                              |            |                    |   |                                       |                     |                           |         |              |           |  |
|--|------------------------------|------------|--------------------|---|---------------------------------------|---------------------|---------------------------|---------|--------------|-----------|--|
| FILE NAME =  | USER NAME = fordjd           | DESIGNED - | REVISED - 10-21-08 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>REGION 2 / DISTRICT 2 STANDARD</b> | F.A.S. RTE.         | SECTION                   | COUNTY  | TOTAL SHEETS | SHEET NO. |  |
| ci:\pw_work\NPWIDOT\FORDJD\dms33877\026407-shs-details.dgn | PLOT SCALE = 50,0000 ' / IN. | DRAWN -    | REVISED -          |   |                                       | 1177                | 111T                      | LASALLE | 59           | 45        |  |
| PLOT DATE = Wed Dec 24 14:22:45 2008                       | DATE -                       | CHECKED -  | REVISED -          |   |                                       | CONTRACT NO. 64A07  |                           |         |              |           |  |
|  |                              |            |                    |   |                                       | FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |         |              |           |  |

# TYPICAL PAVEMENT MARKINGS

## ARROW LAYOUT

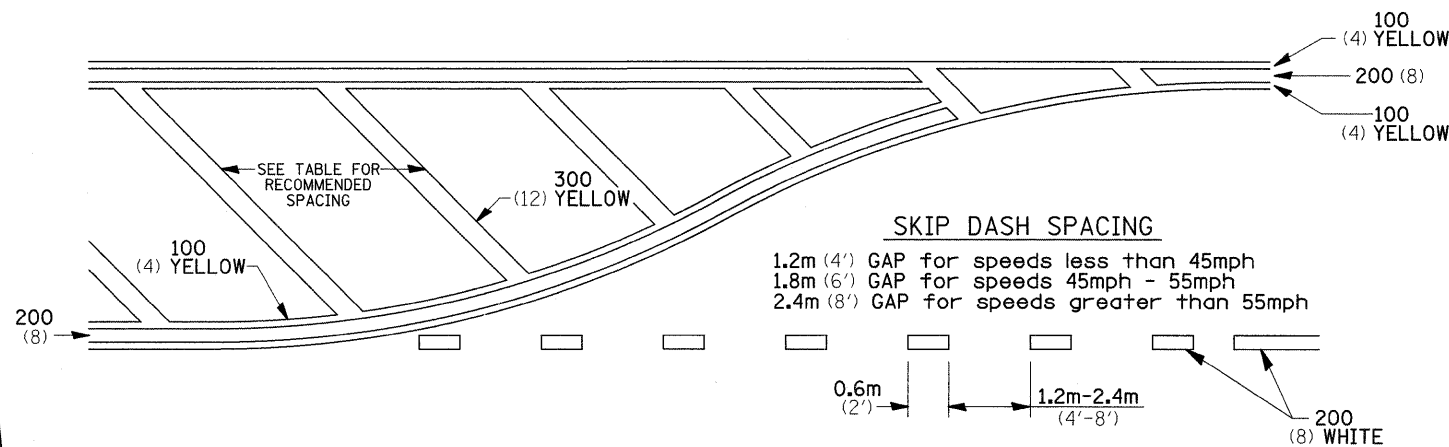


12.2m  
6 at (40') O.C.  
APPROACH SIDE ONLY

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

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

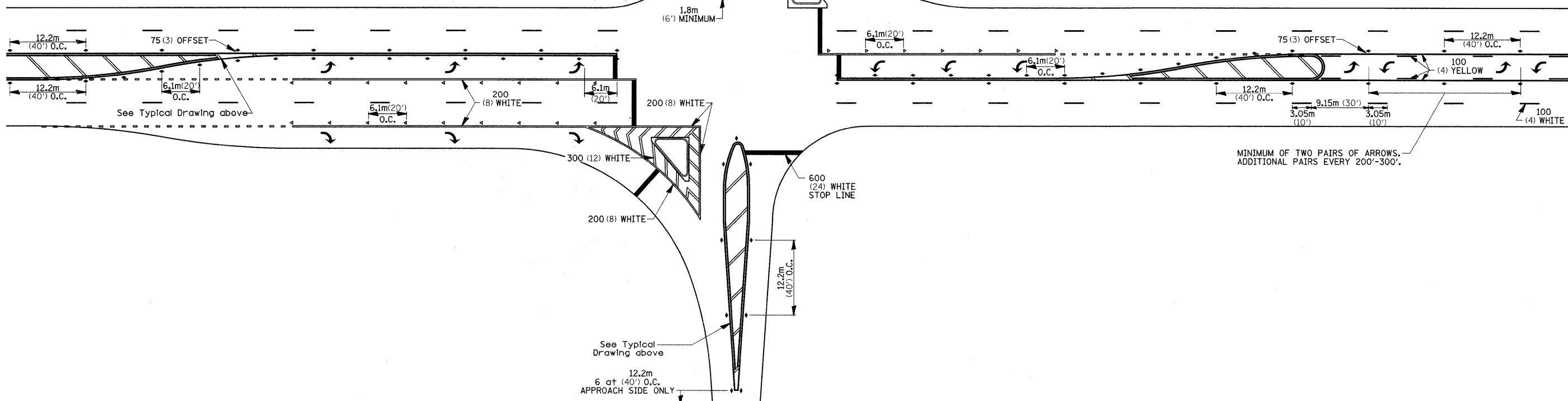
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



## RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

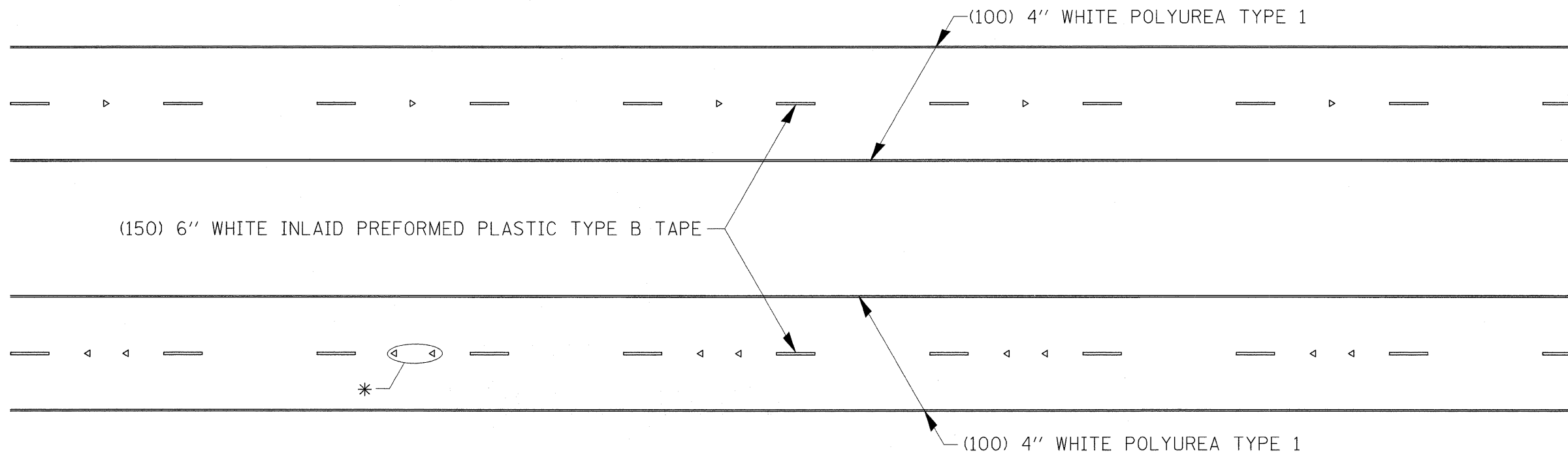
| Speed Limit Range        | Continuous Median Area | Intersection Channelization | Objects (Islands) |
|--------------------------|------------------------|-----------------------------|-------------------|
| less than 50km/H (30MPH) | 15.3m (50')            | 4.53m (15')                 | 3.05m (10')       |
| 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.



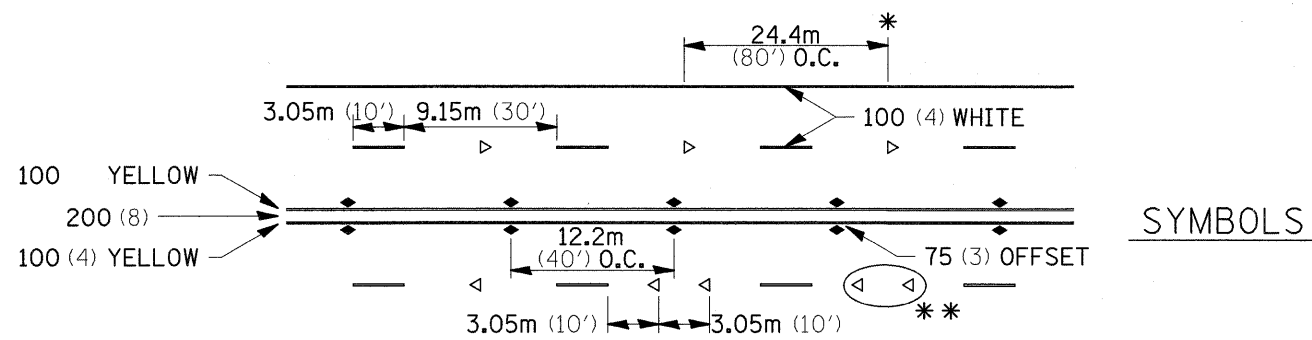
|  |                     |            |                    |   |                                       |           |   |                                  |                    |              |                |                 |              |
|--|---------------------|------------|--------------------|---|---------------------------------------|-----------|---|----------------------------------|--------------------|--------------|----------------|-----------------|--------------|
| FILE NAME =  | USER NAME = ford,jd | DESIGNED - | REVISED - 10-21-08 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>REGION 2 / DISTRICT 2 STANDARD</b> |           |   |                                  | F.A.S. RTE. 1177   | SECTION IIII | COUNTY LASALLE | TOTAL SHEETS 59 | SHEET NO. 46 |
| PLOT SCALE = 50,0000' / IN.                        |                     |            |                    |   | CHECKED -                             | REVISED - | SCALE:  | SHEET NO. OF SHEETS STA. TO STA. | CONTRACT NO. 64A07 |              |                |                 |              |
| PLOT DATE = Wed Dec 24 14:22:45 2008               |                     |            |                    |   | DATE -                                | REVISED - | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                                  |                    |              |                |                 |              |
| <b>TYPICAL PAVEMENT MARKINGS SHEET 2 OF 3 41.1</b> |                     |            |                    |   |                                       |           |   |                                  |                    |              |                |                 |              |

# TYPICAL PAVEMENT MARKINGS



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

## MULTI-LANE / DIVIDED

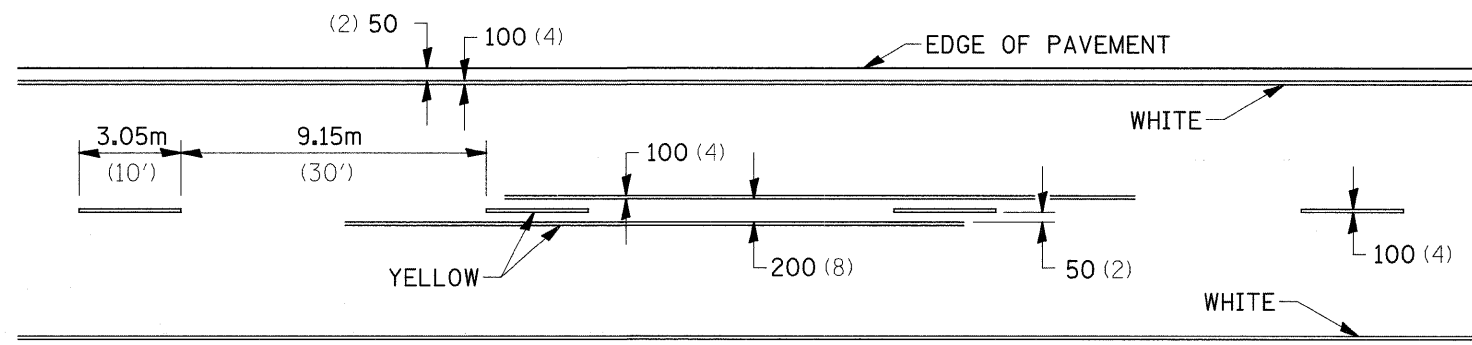


\* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15km/H (10MPH) LOWER THAN POSTED SPEEDS.

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

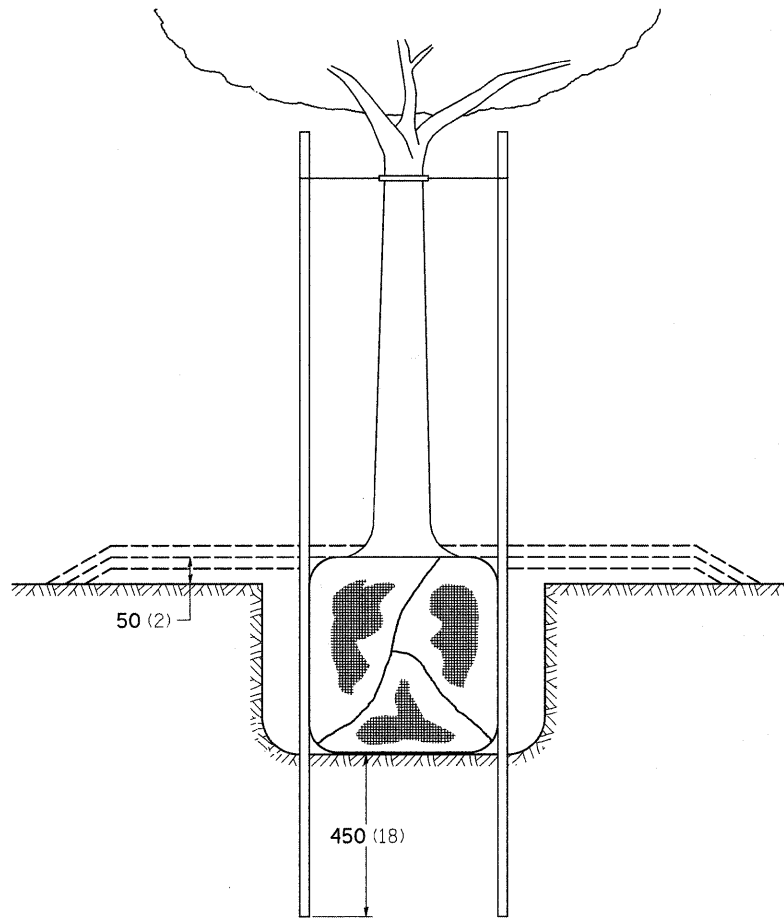
## MULTI-LANE / UNDIVIDED

## TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES

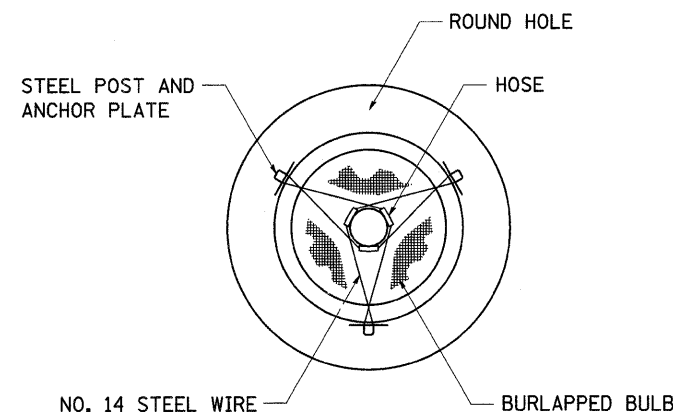


|  |                    |            |   |   |                                       |             |         |        |              |           |
|--|--------------------|------------|---|---|---------------------------------------|-------------|---------|--------|--------------|-----------|
| FILE NAME =  | USER NAME = fordjd | DESIGNED - | REVISED - 10-21-08                            | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>REGION 2 / DISTRICT 2 STANDARD</b> | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| et\pw_work\PWIDOT\FORDJD\dms33877\026407-sht-details.dgn | 1177               | 111T       | LASALLE                                       |   |                                       | 59          | 47      |        |              |           |
| PLOT SCALE = 50.0000' / IN.                              | CHECKED -          | REVISIED - | CONTRACT NO. 64A07                            |   |                                       |             |         |        |              |           |
| PLOT DATE = Wed Dec 24 14:22:45 2008                     | DATE -             | REVISIED - | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |   |                                       |             |         |        |              |           |

# DETAILS OF PLANTING AND BRACING TREES

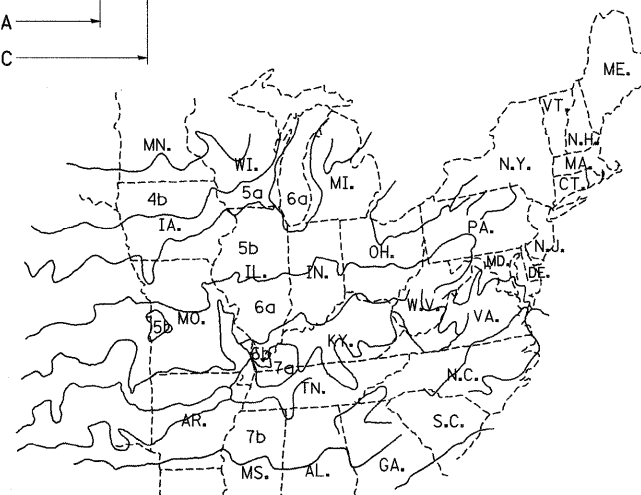
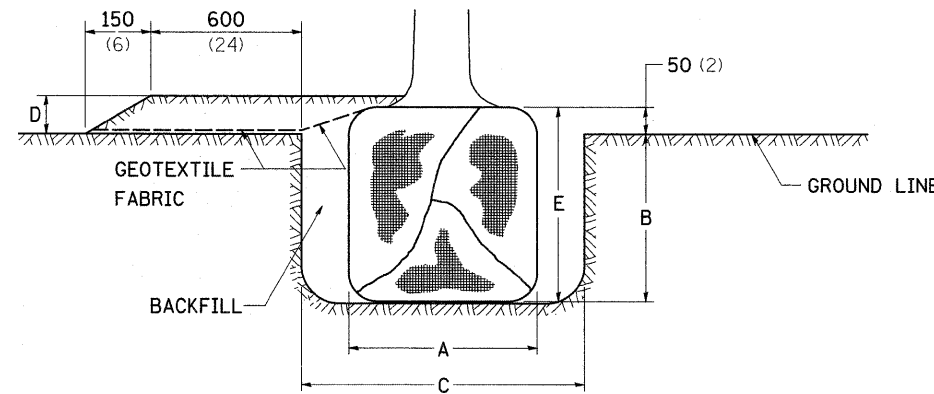


TREES SMALLER THAN 115 (4 1/2) IN DIAMETER



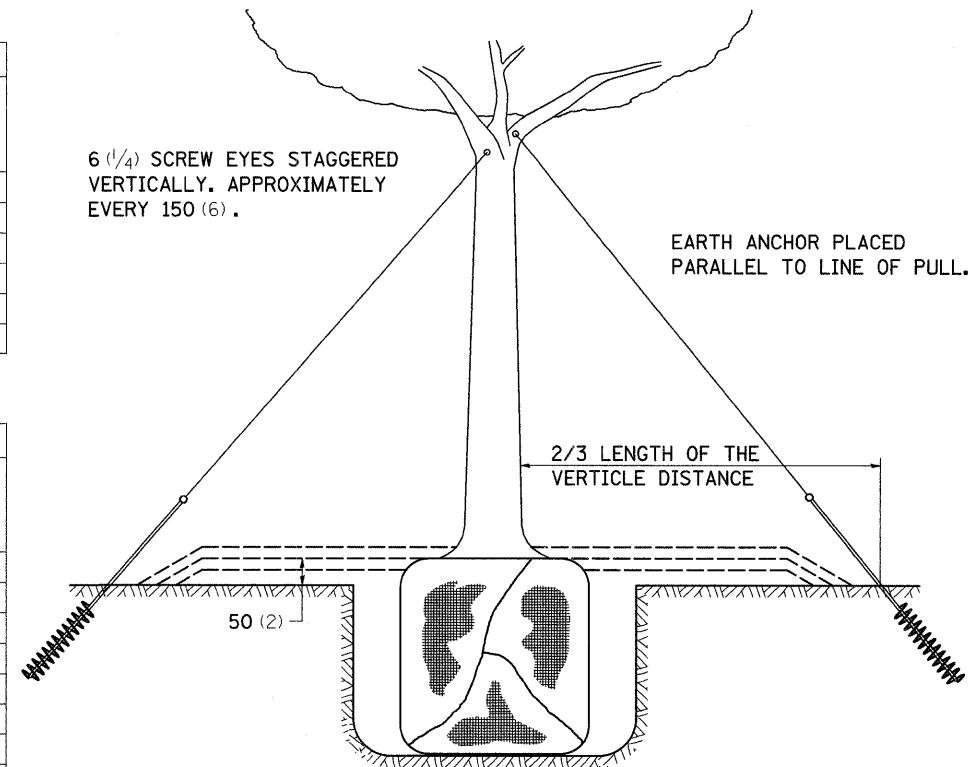
| SMALL                 | A                             | B                        | C                        | D                        | E                          | F   |
|-----------------------|-------------------------------|--------------------------|--------------------------|--------------------------|----------------------------|---|
| 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 <sup>3</sup> (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 <sup>3</sup> (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)                                     |

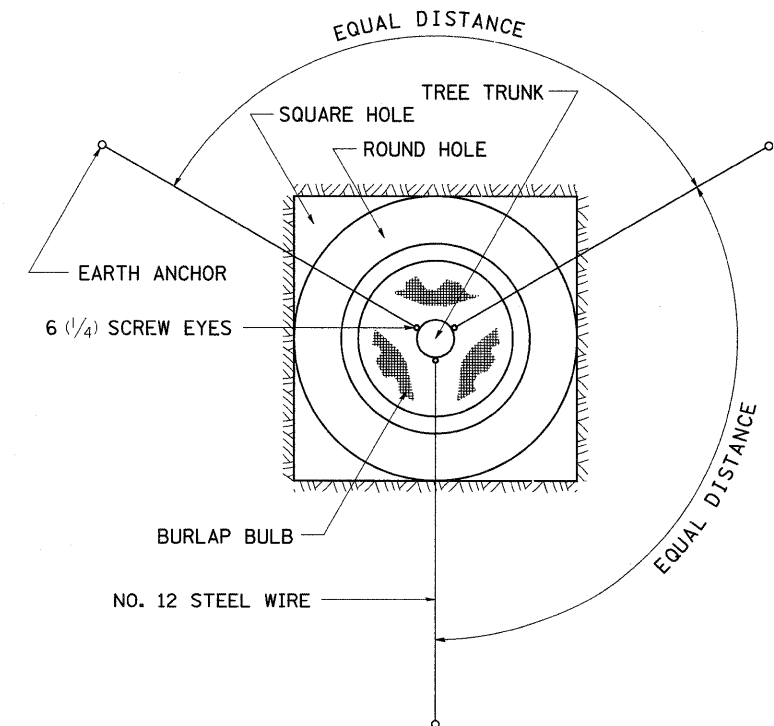


PLANT HARDINESS ZONE MAP

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

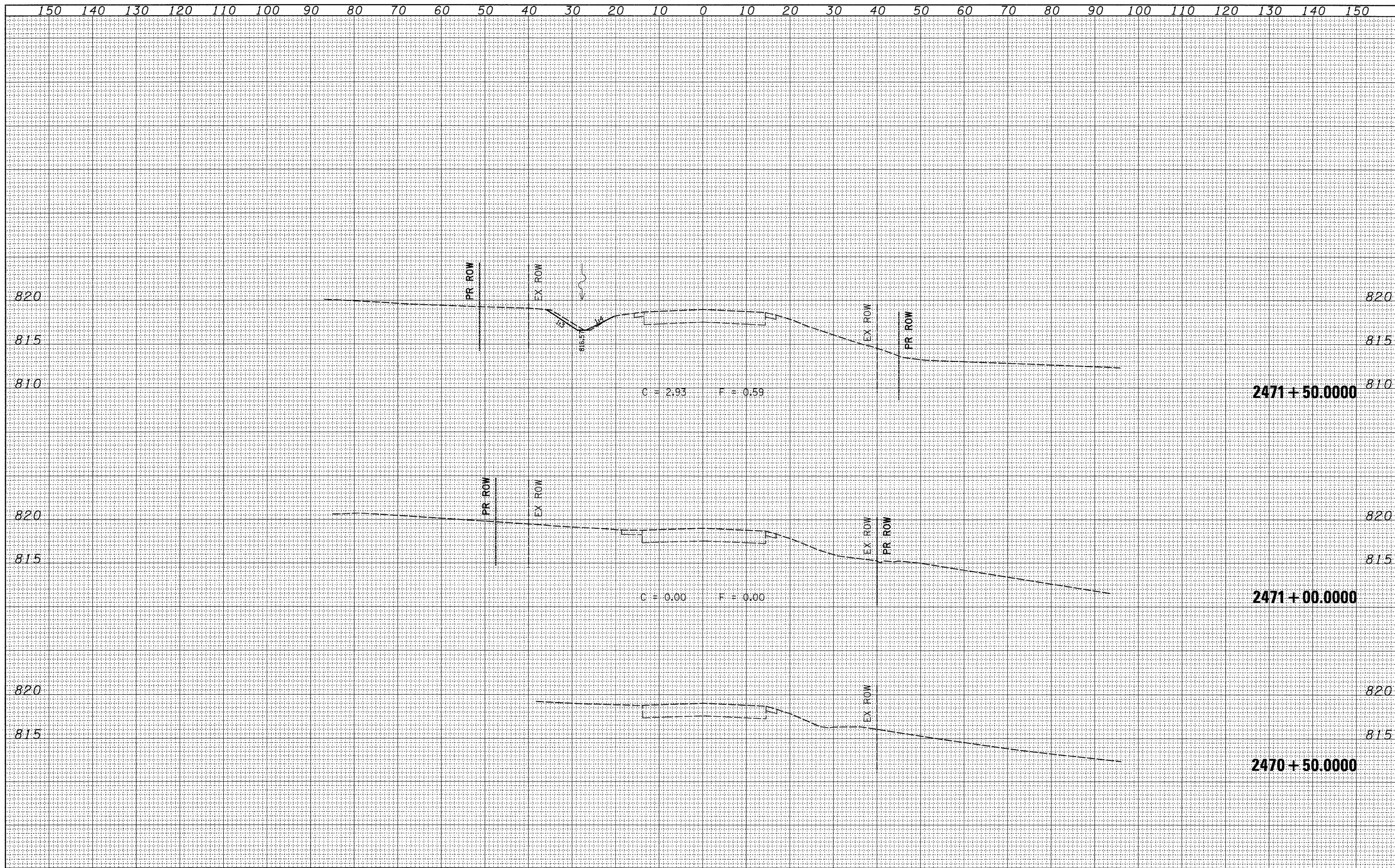


TREES OVER 115 (4 1/2) IN DIAMETER



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

|   |                                      |            |                    |   |                                       |   |         |         |              |           |  |
|---|--------------------------------------|------------|--------------------|---|---------------------------------------|---|---------|---------|--------------|-----------|--|
| FILE NAME =   | USER NAME = fordjd                   | DESIGNED - | REVISED - 10-15-04 | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>REGION 2 / DISTRICT 2 STANDARD</b> | F.A.S. RTE.                                   | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |  |
| os:\pw_work\VPWIDOT\FORDJD\dms33877\0264407-sht-details.dgn | PLOT SCALE = 50.0000' / IN.          | DRAWN -    | REVISED -          |   |                                       | 1177  | 111T    | LASALLE | 59           | 48        |  |
|   | PLOT DATE = Wed Dec 24 14:22:46 2008 | CHECKED -  | REVISED -          |   |                                       | CONTRACT NO. 64A07                            |         |         |              |           |  |
|   |                                      | DATE -     | REVISED -          |   |                                       | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |         |              |           |  |



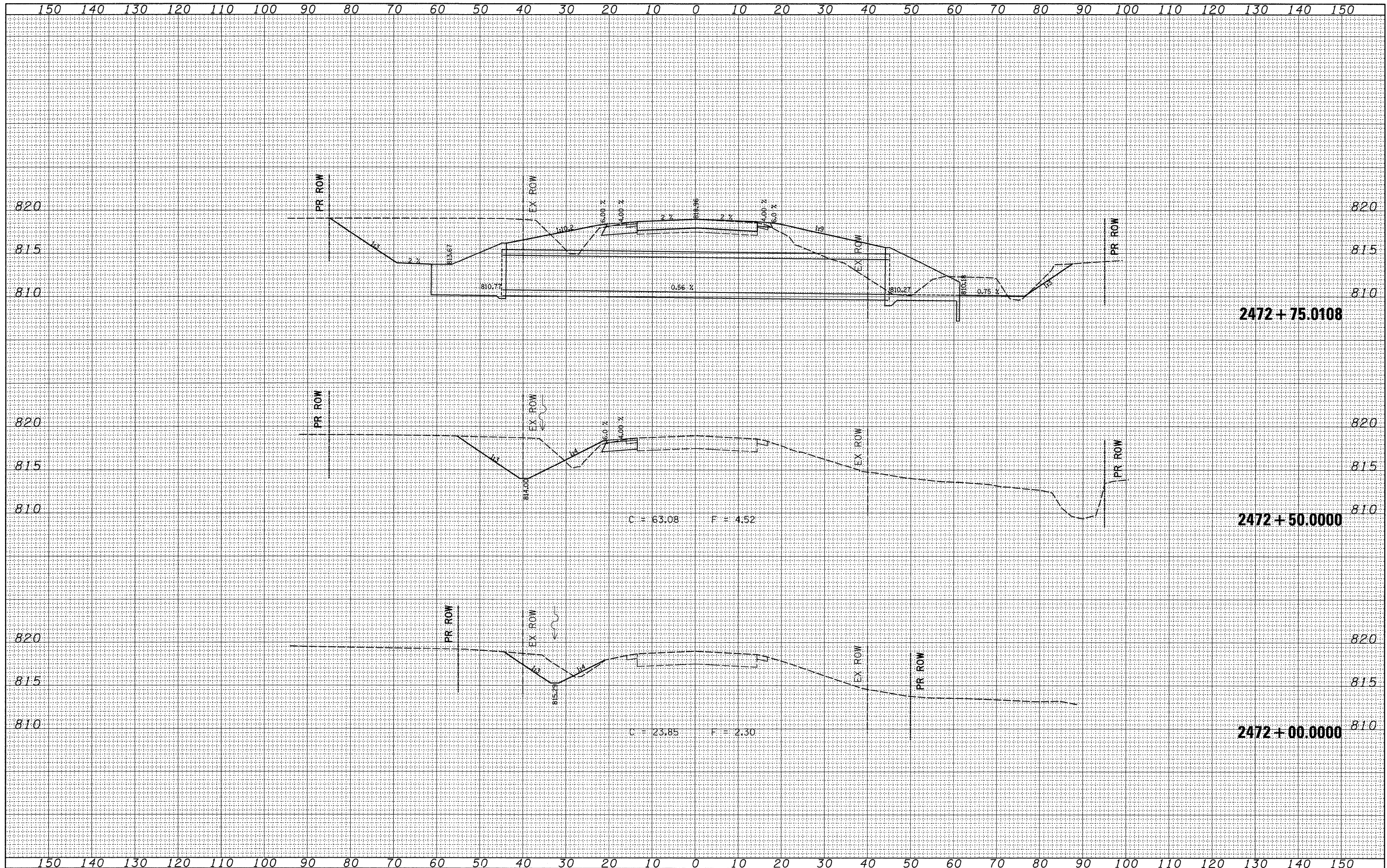
|               |      |
|---------------|------|
| BY            | DATE |
| SURVEYED      |      |
| PLOTTED       |      |
| TEMPLATE      |      |
| NOTE BOOK     |      |
| AREAS CHECKED |      |
| NO.           |      |

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



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

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



FILE NAME =  
 c:\pwwork\pwwork\FORDJD\dms33877\d85504.xml.dgn

USER NAME = fordjd  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVIS -  
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 REVIS -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 251  
 SCALE: SHEET NO. OF SHEETS STA. 2472+00.000 TO STA. 2472+75.0108

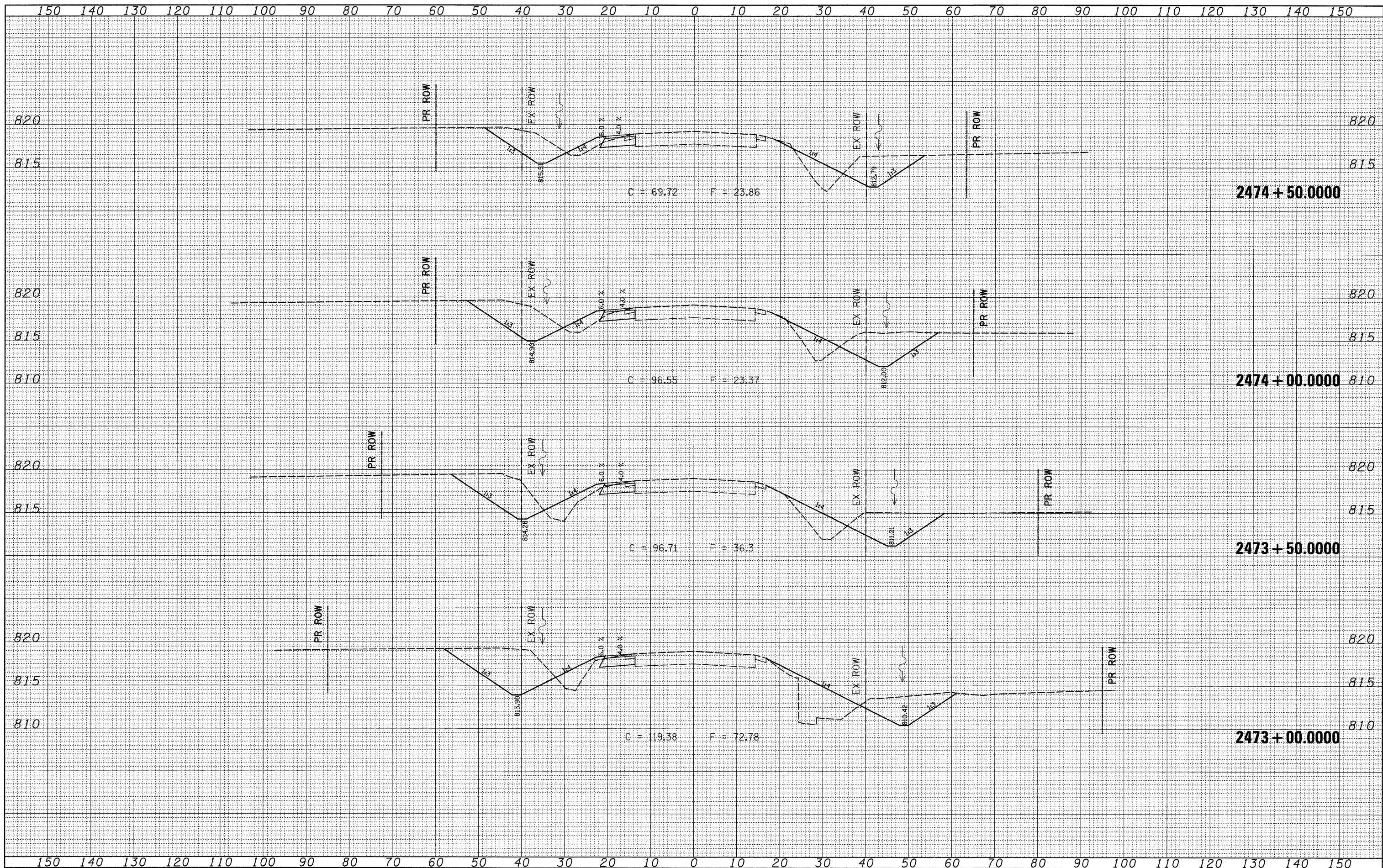
F.A.S. RTE. 1177  
 SECTION 111T  
 COUNTY LASALLE  
 TOTAL SHEETS 59  
 SHEET NO. 50  
 CONTRACT NO. 64A07

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



|               |  |
|---------------|--|
| DATE          |  |
| BY            |  |
| DESIGNED      |  |
| DRAWN         |  |
| CHECKED       |  |
| DATE          |  |
| REVISIONS     |  |
| NO.           |  |
| AREAS CHECKED |  |
| FINAL SURVEY  |  |
| NOTE BOOK     |  |
| NO.           |  |
| AREAS CHECKED |  |

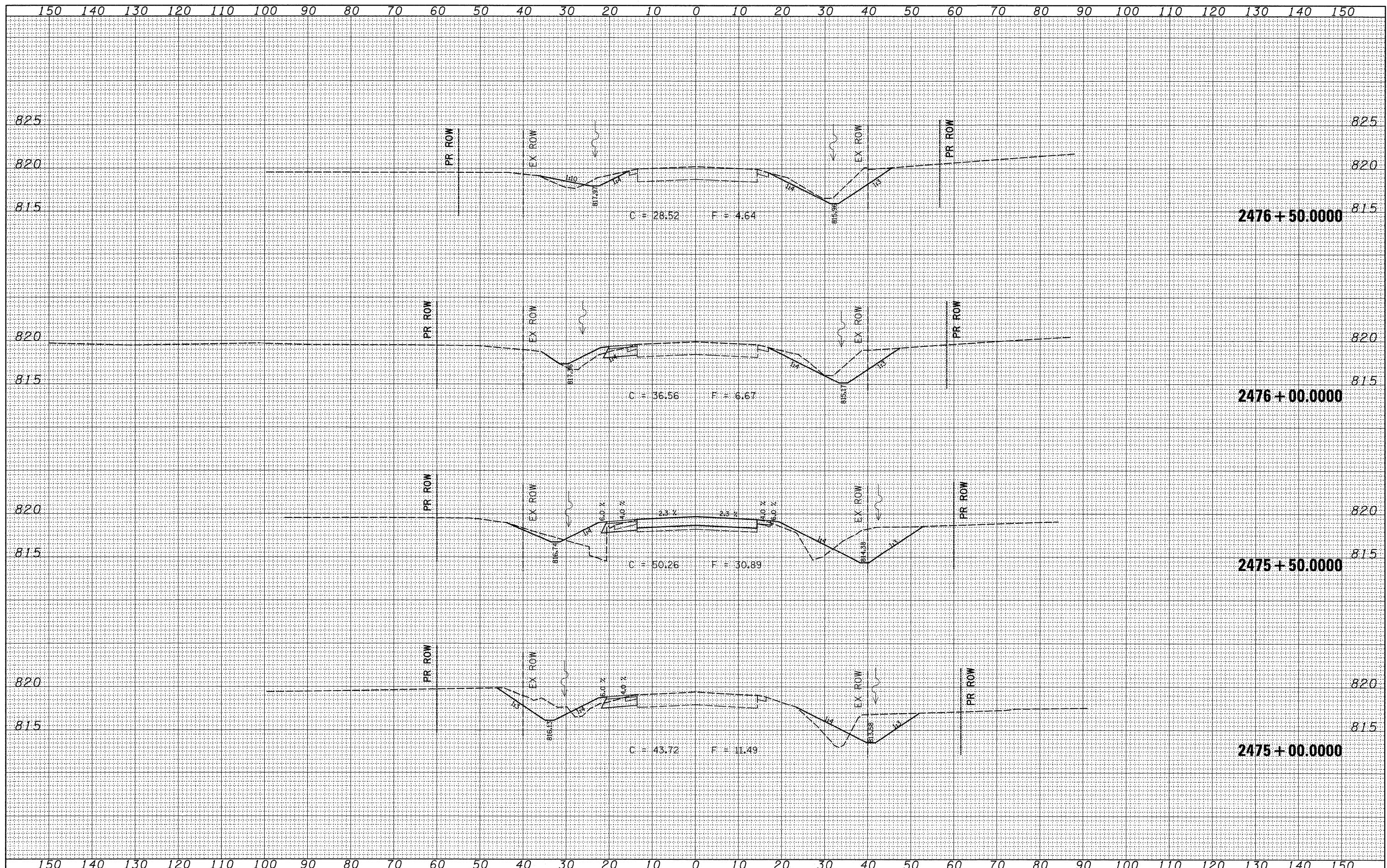
|                 |  |
|-----------------|--|
| DATE            |  |
| BY              |  |
| DESIGNED        |  |
| DRAWN           |  |
| CHECKED         |  |
| DATE            |  |
| REVISIONS       |  |
| NO.             |  |
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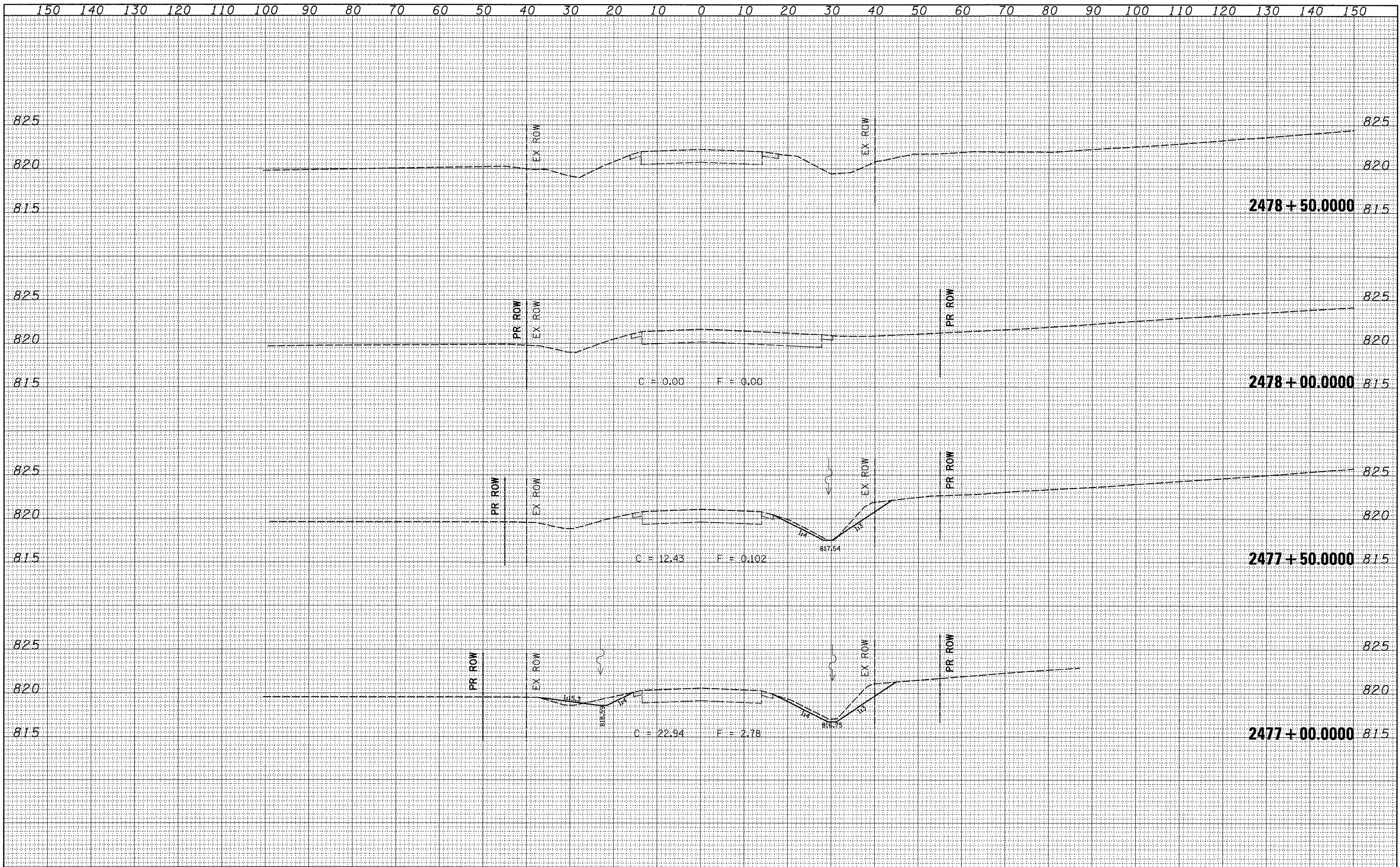
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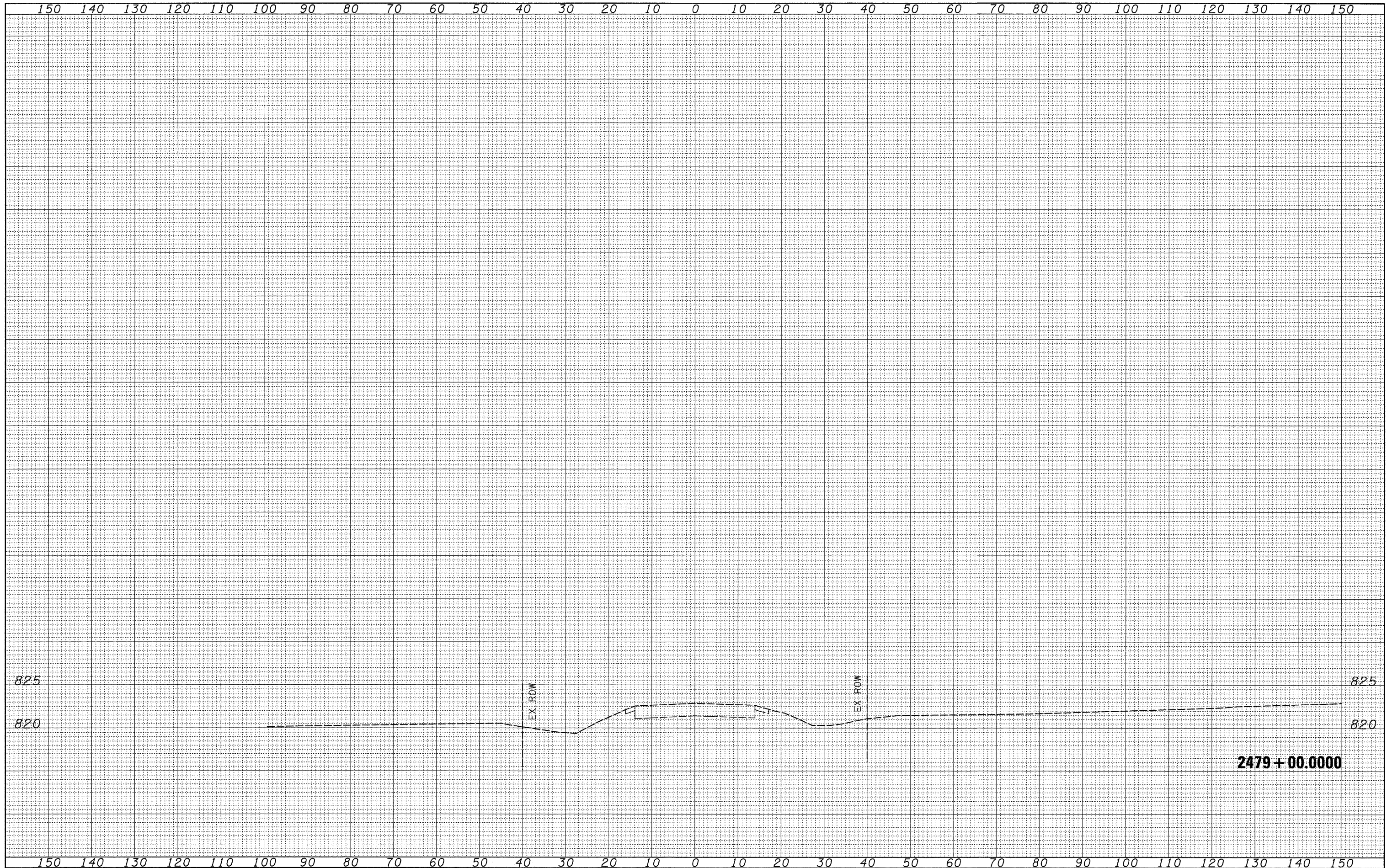
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USER NAME = fordjd  
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 DRAWN -  
 PLOT SCALE = 10.0000' / IN.  
 CHECKED -  
 PLOT DATE = Wed Dec 24 13:56:58 2008

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 2479+00.0000 TO STA. 2479+00.0000

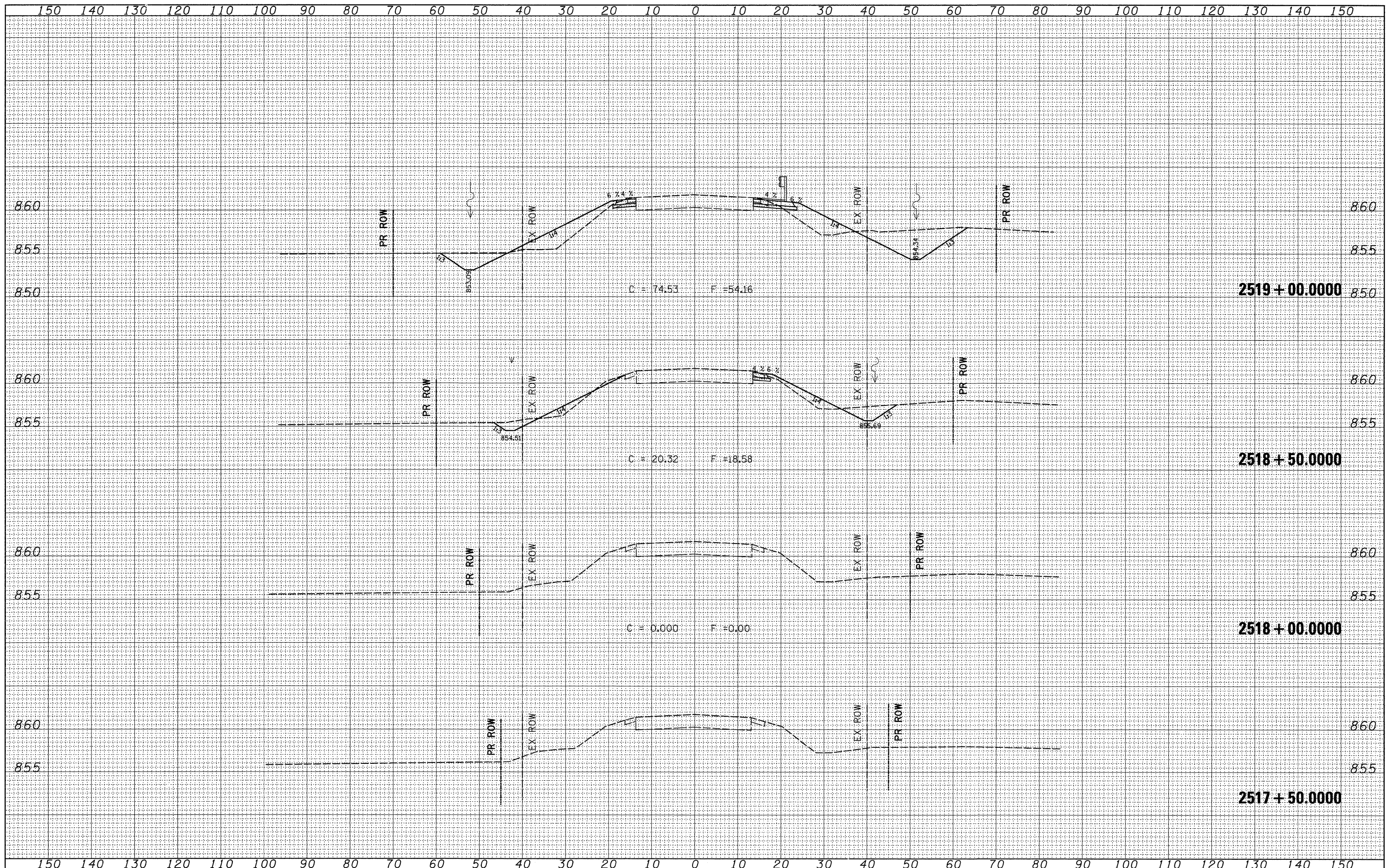
**IL 251**

|   |                 |                   |                    |                 |
|---|-----------------|-------------------|--------------------|-----------------|
| F.A.S. RTE.<br>1177                           | SECTION<br>111T | COUNTY<br>LASALLE | TOTAL SHEETS<br>59 | SHEET NO.<br>54 |
| CONTRACT NO. 64A07                            |                 |                   |                    |                 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                 |                   |                    |                 |



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 2517+50.0000 TO STA. 2519+00.0000

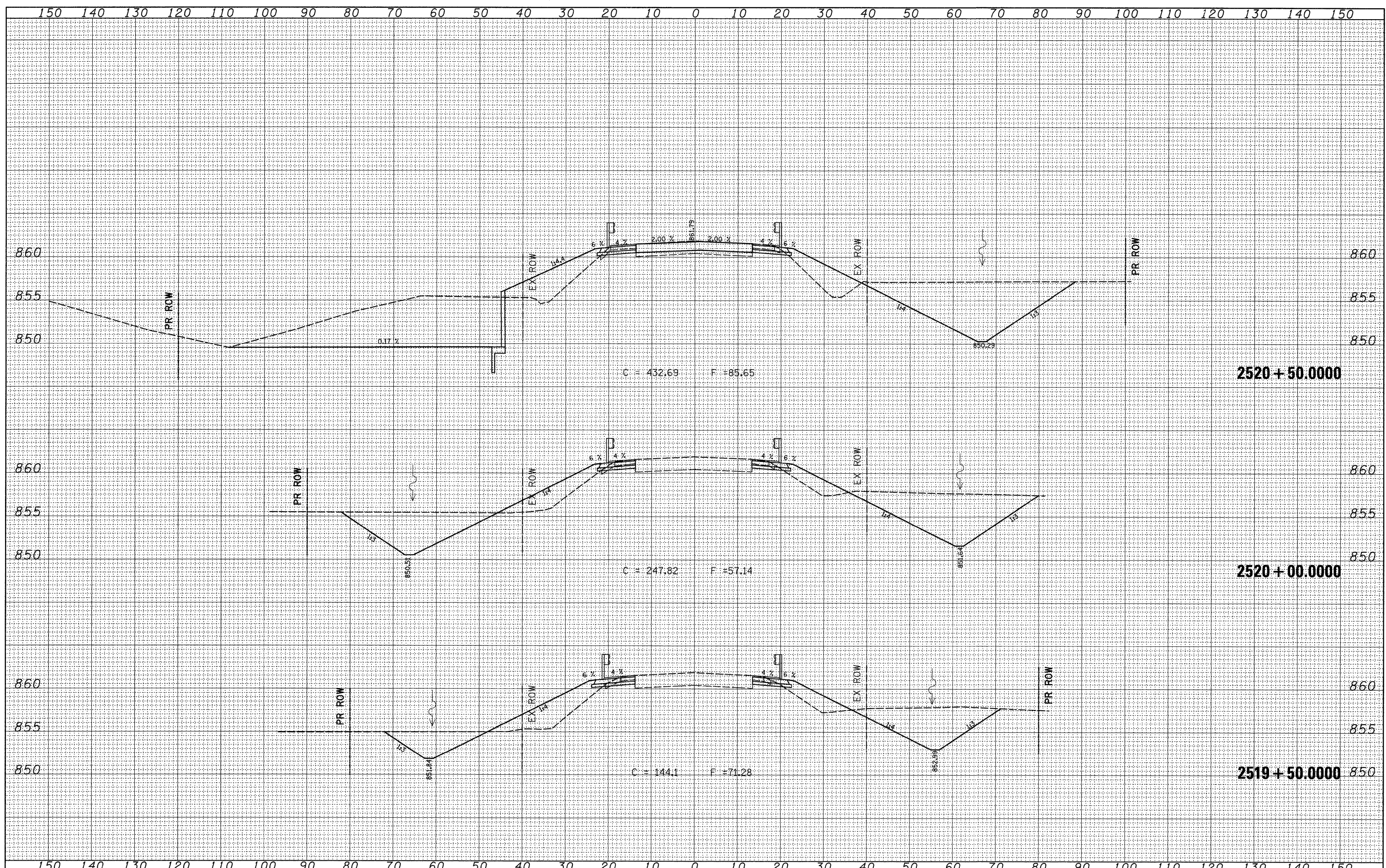
**IL 251**

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| F.A.S. RTE.                                   | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |
| 1177  | 111T    | LASALLE | 59           | 55        |
| CONTRACT NO. 64A07                            |         |         |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |         |         |              |           |



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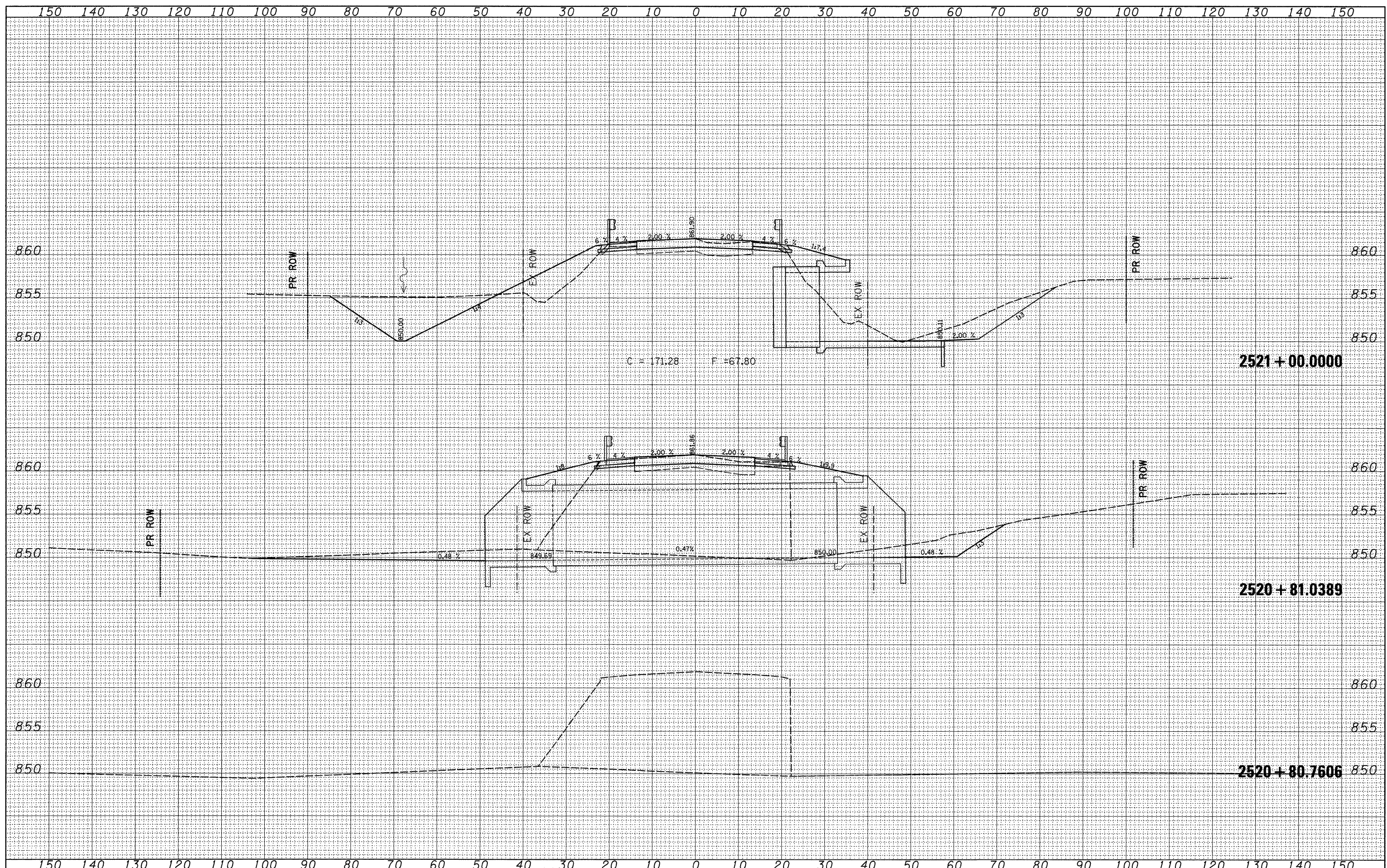
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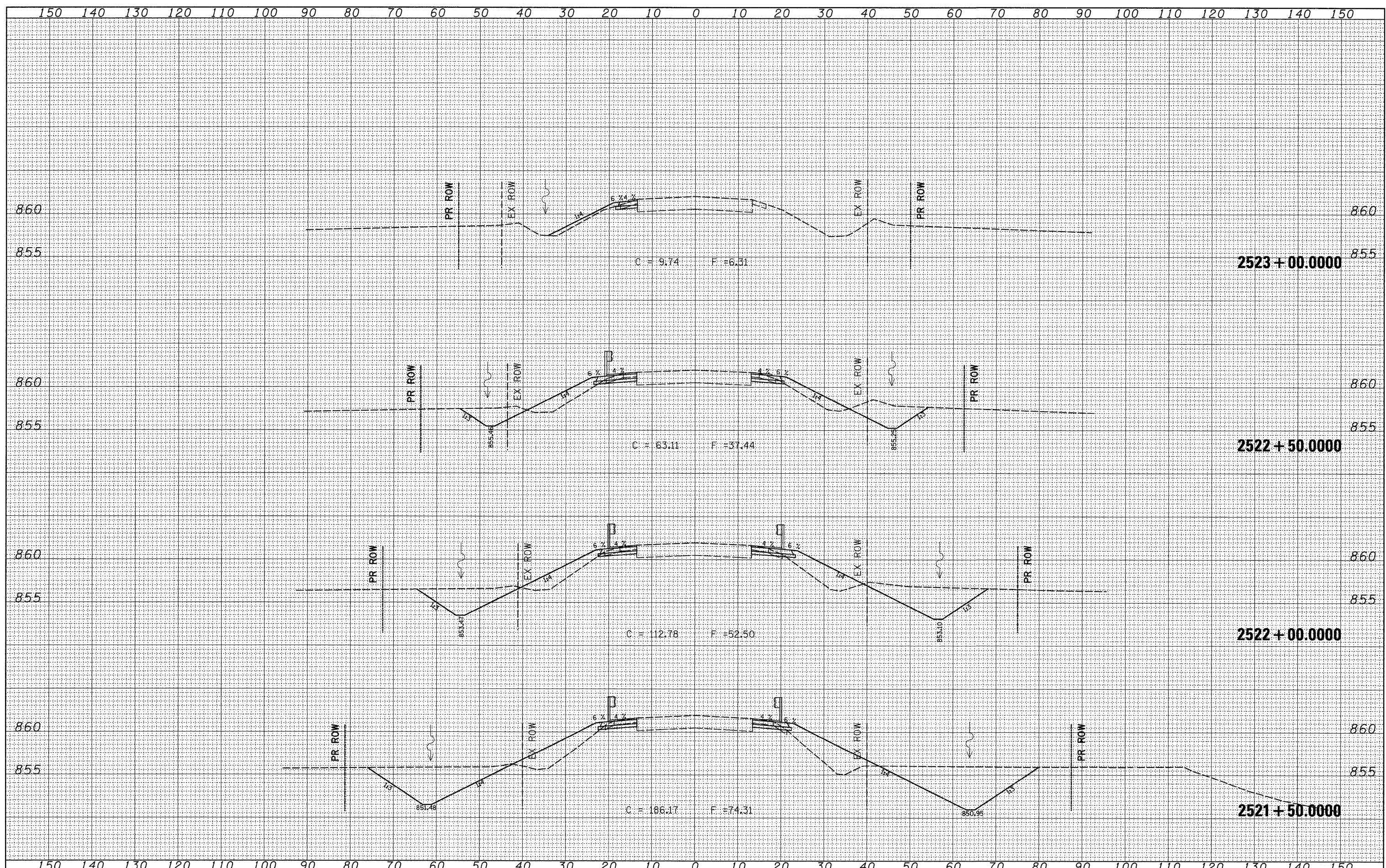
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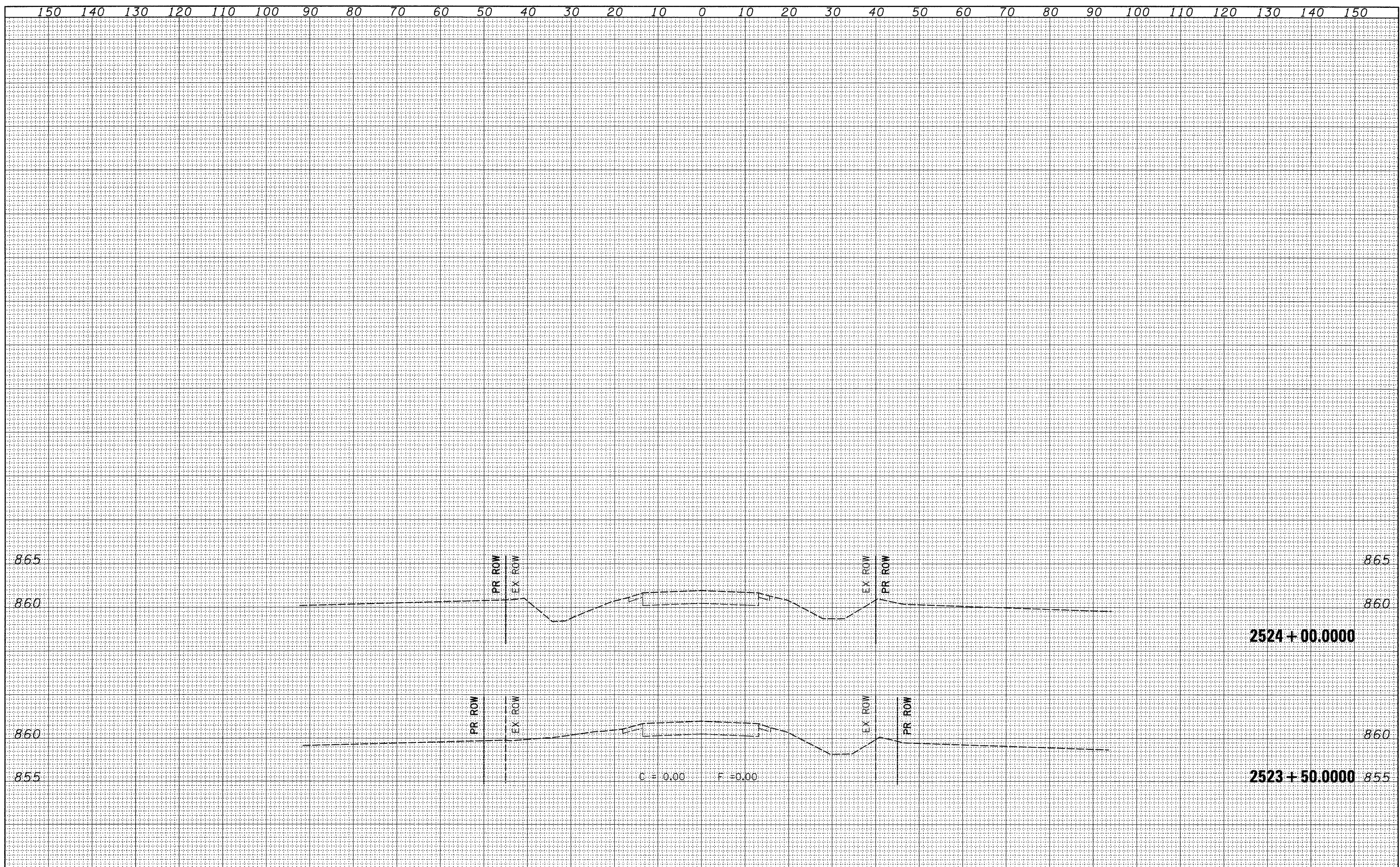


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| FILE NAME =                                       | USER NAME = forcjd | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 251</b> | F.A.S. RTE.  | SECTION | COUNTY  | TOTAL SHEETS | SHEET NO. |  |
| ea:\pw\work\PWIDOT\FORDJD\dms33877\d85504.xml.dgn |                    | DRAWN -    | REVISED - |   |               | 1177   | 111T    | LASALLE | 59           | 58        |  |
| PLOT SCALE = 10,0000' / IN.                       |                    | CHECKED -  | REVISED - |   |               | CONTRACT NO. 64A07                                       |         |         |              |           |  |
| PLOT DATE = Wed Dec 24 13:57:00 2008              |                    | DATE -     | REVISED - |   |               |  |         |         |              |           |  |
| SCALE:  |                    |            |           |   |               | SHEET NO. OF SHEETS STA. 2521+50.000 TO STA. 2523+00.000 |         |         |              |           |  |
|   |                    |            |           |   |               | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT            |         |         |              |           |  |



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| ci\pw_work\PWIDOT\FORDJD\dms33877\d05504.xml.dgn | PLOT SCALE = 10.0000' / IN.          | DRAWN -    | REVISED - |   |               | 1177  | 111T    | LASALLE | 59           | 59        |  |
|  | PLOT DATE = Wed Dec 24 13:57:01 2008 | CHECKED -  | REVISED - |   |               | CONTRACT NO. 64A07  |         |         |              |           |  |
|  |                                      | DATE -     | REVISED - |   |               | SCALE: SHEET NO. OF SHEETS STA. 2523+50.0000 TO STA. 2524+00.0000 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT |         |         |              |           |  |