

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	101T	OGLE	39	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 64C36	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

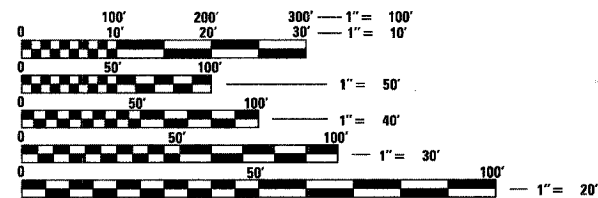
FAP ROUTE 17 (IL 64)
SECTION 101T
PROJECT ACF-0017(122)
OGLE COUNTY
C-92-121-07

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR STATE STANDARDS, SEE SHEET NO. 2

D-92-079-06



BROOKVILLE TOWNSHIP SECTION 23, 26

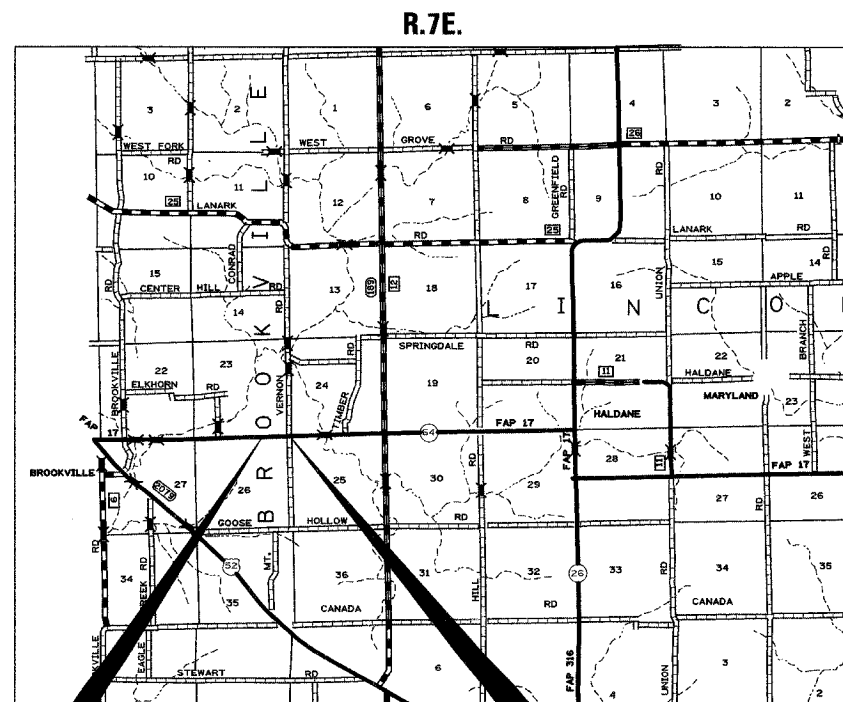


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: BOB WAGNER
SQUAD TECHNICIAN: LANCE NICKLAUS (815) 284-5920

CONTRACT NO. 64C36



IMPROVEMENT BEGINS
STA. 97 + 00.00

R.7E.

IMPROVEMENT ENDS
STA. 105 + 80.71



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 6 20 07

George F. Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 1, 20 08
Eric E. Harank
Intern ENGINEER OF DESIGN AND ENVIRONMENT

February 1, 20 08
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

1	COVER SHEET
2	INDEX AND STANDARDS
3- 4	SUMMARY OF QUANTITIES
5- 6	GENERAL NOTES
7	TYPICAL SECTIONS
8- 12	SCHEDULE OF QUANTITIES
13	HORIZONTAL VERTICAL CONTROL
14- 15	IL 64 PLAN AND PROFILE
16- 17	EROSION CONTROL AND ROW DETAILS
18	SLOPE WALL FOR FIELD TILE OUTLETS (28.4)
	DELINEATOR AND POST (37.4)
	TYPICAL BENCHING DETAIL ON EXISTING EMBANKMENT (50.4)
	LETTERING FOR NAME PLATE (89.4)
19	TREE REPLACEMENT SCHEDULE (90.4)
	EROSION CONTROL DETAILS FOR SILT FENCE (29.2)
20	FIELD TILE JUNCTION VAULTS (30.2)
	WITNESS MARKER & PERMANENT SURVEY MARKERS, TYPE II (66.2)
21	STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN (2.1)
22	HOT-MIX ASPHALT APPROACHES AND MAILBOX RETURNS (20.1)
23- 24	TYPICAL PAVEMENT MARKINGS (41.1)
25	DETAILS OF PLANTING AND BRACING TREES (92.1)
26- 39	IL 64 CROSS SECTIONS

STANDARDS

000001-05	STANDARD SYMBOLS, ABBRECIATIONS AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
515001-02	NAME PLATE FOR BRIDGES
542306-01	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542401	METAL END SECTION FOR PIPE CULVERTS
635001	DELINEATORS
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
666001	RIGHT-OF-WAY MARKERS
667101	PERMANENT SURVEY MARKERS
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 4.5M (15') TO 600MM (24") FROM PAVEMENT EDGE
701011-01	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701901	TRAFFIC CONTROL DEVICES
720011	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001	TELESCOPING STEEL SIGN SUPPORT
729001	APPLICATIONS OF TYPES A AND B METAL POST (FOR SIGNS & MARKERS)

SUMMARY OF QUANTITIES

80% FED / 20% STATE

Y007

CODE NO.	ITEM	UNIT	TOTAL QTY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	44
20100500	TREE REMOVAL, ACRES	ACRE	0.25
20200100	EARTH EXCAVATION	CU YD	6383
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	100
* 25000210	SEEDING, CLASS 2A	ACRE	0.7
* 25000310	SEEDING, CLASS 4	ACRE	0.8
■ 25000750	MOWING	ACRE	1.5
* 25100115	MULCH, METHOD 2	ACRE	1.5
* 25100630	EROSION CONTROL BLANKET	SQ YD	481
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	450
28000300	TEMPORARY DITCH CHECKS	EACH	36
28000400	PERIMETER EROSION BARRIER	FOOT	129
28000500	INLET AND PIPE PROTECTION	EACH	3
28100107	STONE RIPRAP, CLASS A4	SQ YD	13
28200200	FILTER FABRIC	SQ YD	13
35101400	AGGREGATE BASE COURSE, TYPE B	TON	257
40600990	TEMPORARY RAMP	SQ YD	58
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	47
44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	160
48100100	AGGREGATE SHOULDERS, TYPE A	TON	608

■ NP 100% STATE

* Specialty Item

SUMMARY OF QUANTITIES

80% FED / 20% STATE

Y007

CODE NO.	ITEM	UNIT	TOTAL QTY
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1
50105200	REMOVE EXISTING CULVERTS	EACH	2
54207165	PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE-ELLIPTICAL, EQUIVALENT ROUND-SIZE 30"	FOOT	58
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	120
54213450	END SECTION 15"	EACH	2
54214725	PRECAST REINFORCED CONCRETE FLARED END SECTIONS-ELLIPTICAL, EQUIVALENT ROUND-SIZE 30"	EACH	2
61100605	MISCELLANEOUS CONCRETE	CU YD	1
61101009	STORM SEWERS PROTECTED, CLASS A, 8"	FOOT	50
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	2
63200310	GUARDRAIL REMOVAL	FOOT	202
63500105	DELINEATORS	EACH	2
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	11
66700095	PERMANENT SURVEY MARKERS	EACH	2
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	5828
* A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	45
* C2001748	SHRUB, CORNUS SERICEA CARDINAL (CARDINAL REDOSIER DOGWOOD), 4' HEIGHT, BALLED AND BURLAPPED	EACH	20
XX001135	PAVEMENT PATCHING SPECIAL	SQ YD	160
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0020900	ESTABLISHING AND REFERENCING LAND SECTION MARKERS	EACH	1
Z0023600	FILLING EXISTING CULVERTS	EACH	1

* Specialty Item

GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 17 (IL 64)	101T	Ogle	39	5
FED ROAD DIST. NO.	ILLINOIS	PROJECT		

Contract #64C36

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.

Fertilizer Nutrients shall be applied at the rate specified in Sections 250 and 252 of the Standard Specifications. This shall be included in the cost of the SEEDING or SODDING.

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.

Tree Layout shall be performed by the District Landscape Architect.

The mulch around new trees shall be hardwood wood chips, 5 foot diameter, 4 inches thick with weed barrier fabric.

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

Except for the top 75 mm (3"), all aggregate bases and subbases 300 mm (12") in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 300 mm (12"), the bases or subbases shall be constructed of topsize 150 mm (6") breaker-run crushed stone with 70% to 90% by weight, passing the 4" sieve and 15% to 40% by weight, passing the 50 mm (2") size sieve, except for the top 75 mm (3"). The breaker-run crushed stone shall be reasonably uniformly graded from coarse to fine and be taken from a quarry ledge capable of producing Class "D" quality aggregate. The top 75 mm (3") shall be gradation CA-6 or CA-10 regardless of thickness. The water necessary to achieve compaction in all but the top 75 mm (3") layer may be added after the subbase or base course is placed on the grade.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface Course		
PG:	PG 64-22		
Design Air Voids	4.0 @ N70		
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5		
Friction Aggregate	C		
20 Year ESAL	N/A		

Bituminous and Aggregate prime coat shall be placed in accordance with Section 406 of the Standard Specifications. The cost of the prime coats shall be included in the contract unit price per metric ton (ton) for HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70.

The new number for this structure will be 071-1162.

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

The Contractor shall remove all entrance culverts in condition for reuse which are not to be left in place. They shall be cleaned and stored along the right of way as directed. In no case shall they be roughly handled or shoved by heavy machinery. Unusable material shall be disposed of by the Contractor at his expense. Cost of the work to be included in the contract unit price for EARTH EXCAVATION.

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

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

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

Delineators shall be placed at 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.

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

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

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

Permanent Survey Markers, Type II shall be cast-in-place as shown on Highway Standard 667101.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The Engineer shall submit this information to the Survey Crew.

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.

Work on this project will be in progress at the same time as work on the US 52 Brookville project. Work on these projects shall be scheduled to keep interference between all the projects to a minimum. The contractors shall inform each other of progress of the projects and give fair warning to the other contractors when a problem might be encountered.

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.
Frontier/Citizens

Verizon

GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 17 (IL 64)	101T	Ogle	39	6
FED ROAD DIST. NO.	ILLINOIS	PROJECT		

Contract #64C36

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.

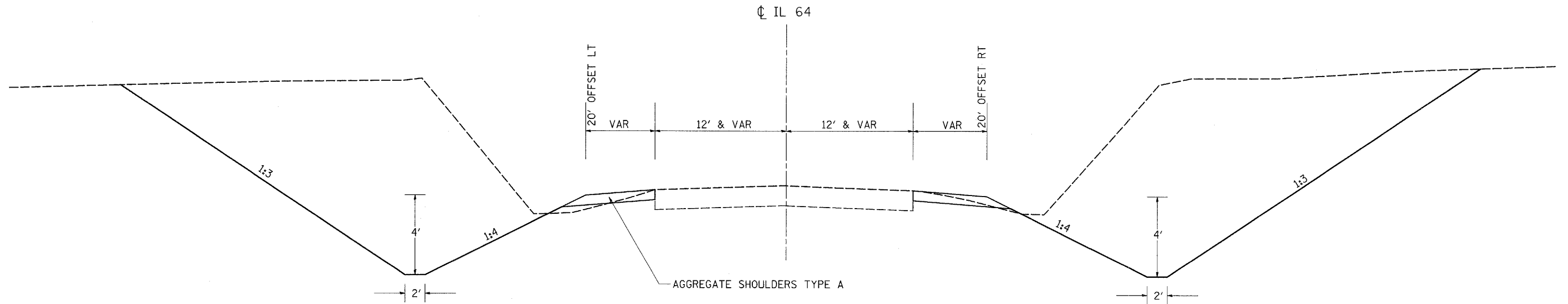
Per SB 699 (90 day utility relocation law), once right-of-way is clear to award the project, a notice will be sent to the utility companies instructing them to have their facilities relocated within 90 days. Estimated date relocation complete = Letting Date + 135 days.

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.

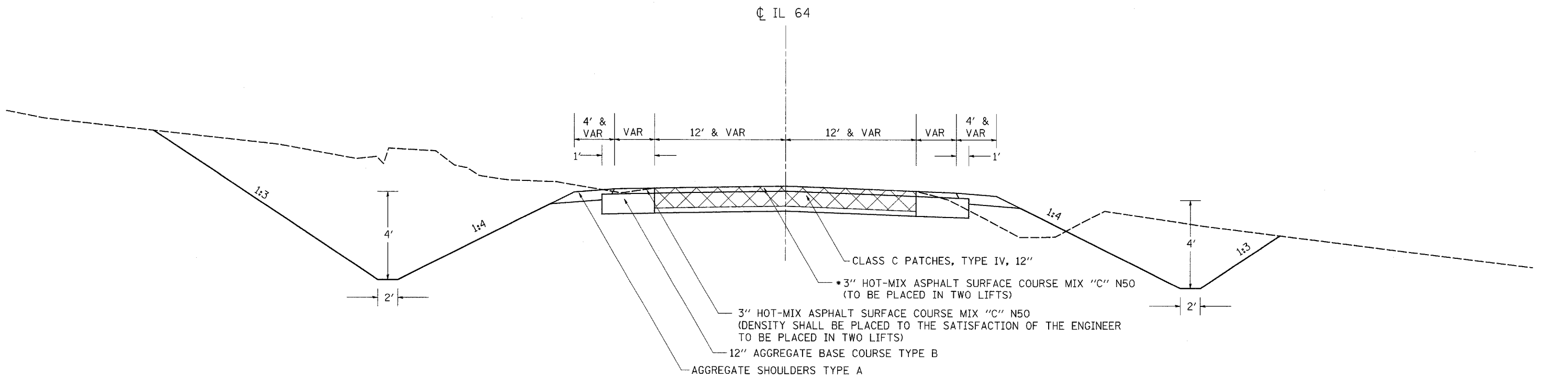
Program #5
(Arch. Size)
Enlarge
200%
Enlarge 107%

TYPICAL SECTIONS

STA. 97+00 - 105+20.00



STA. 105+20.00 - 105+80.71



* 112 LBS/ SQUARE YARD / INCH

FILE NAME =
c:\projects\p207906\d07906typ.dgn

USER NAME = meglilj
PLOT SCALE = 50.0000' / IN.
PLOT DATE = Tue Dec 04 16:02:03 2007

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 64 TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	101T	OGLE	39	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64C36	

SCHEDULE OF QUANTITIES

20100110	<u>TREE REMOVAL (6 TO 15 UNITS DIAMETER)</u>			
	UNIT	LOCATION		OFFSET
		<u>IL 65</u>		
	11	LT	100+66	52
	12	LT	100+99	52
	14	LT	100+99	52
	<u>7</u>	LT	100+99	40
TOTAL	44			

20100500	<u>TREE REMOVAL ACRES</u>		
	ACRE	LOCATION	
		<u>IL 64</u>	
	<u>0.25</u>	RT	97+00 - 105+59
TOTAL	0.25		

21301052	<u>EXPLORATION TRENCH 52" DEPTH</u>			
	FOOT	LOCATION		
		<u>IL 64</u>		
	50	LT	101+49	FIELD TILE LOCATION
	<u>50</u>	LT	104+95	FIELD TILE LOCATION
TOTAL	100			

25000210	<u>SEEDING, CLASS 2A</u>		
	ACRE	LOCATION	
		<u>IL 64</u>	
	<u>0.7</u>	LT&RT	97+00 - 105+80
TOTAL	0.7		

25000310	<u>SEEDING, CLASS 4</u>		
	ACRE	LOCATION	
		<u>IL 64</u>	
	<u>0.8</u>	LT&RT	97+00 - 105+80
TOTAL	0.8		

25000750	<u>MOWING</u>		
	ACRE	LOCATION	
		<u>IL 64</u>	
	<u>1.5</u>	LT&RT	97+00 - 105+80
TOTAL	1.5		

25100115	<u>MULCH, METHOD 2</u>		
	ACRE	LOCATION	
		<u>IL 64</u>	
	<u>1.5</u>	LT&RT	97+00 - 105+80
TOTAL	1.5		

25100630	<u>EROSION CONTROL BLANKET</u>		
	SQ. YD.	LOCATION	
		<u>IL 64</u>	
	424	LT	98+97 - 105+33
	<u>57</u>	RT	101+75 - 102+50
TOTAL	481		

28000250	<u>TEMPORARY EROSION CONTROL SEEDING (THREE APPLICATIONS)</u>		
	POUND	LOCATION	
		<u>IL 64</u>	
	<u>450</u>	LT&RT	97+00 - 105+80
TOTAL	450		

SCHEDULE OF QUANTITIES

28000300 TEMPORARY DITCH CHECKS

28000500 INLET AND PIPE PROTECTION

EACH LOCATION

IL 64

1	LT	97+11
1	LT	97+22
1	LT	97+58
1	LT	99+17
1	LT	99+66
1	LT	100+14
1	LT	100+64
1	LT	101+13
1	LT	101+61
1	LT	102+04
1	LT	102+46
1	LT	102+85
1	LT	103+23
1	LT	103+60
1	LT	103+97
1	LT	104+33
1	LT	104+69
1	LT	105+03
1	RT	97+15
1	RT	97+36
1	RT	97+65
1	RT	97+95
1	RT	98+42
1	RT	98+91
1	RT	99+41
1	RT	99+91
1	RT	100+40
1	RT	100+88
1	RT	101+37
1	RT	101+77
1	RT	101+91
1	RT	103+14
1	RT	104+13
1	RT	104+49
1	RT	104+84
1	RT	105+12

TOTAL 36

28000400 PERIMETER EROSION BARRIER

FOOT LOCATION

IL 64

<u>129</u>	RT	102+00 - 103+00
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TOTAL 129

EACH LOCATION

IL 64

1	LT	97+74
1	RT	103+27
1	LT	105+27

TOTAL 3

28100107 STONE RIPRAP, CLASS A4

SQ YD LOCATION

IL 64

<u>13</u>	RT	105+30	(8' X 15')
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TOTAL 13

28200200 FILTER FABRIC

SQ YD LOCATION

IL 64

<u>13</u>	RT	105+30	(8' X 15')
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TOTAL 13

35101400 AGGREGATE BASE COURSE TYPE B

TON LOCATION

IL 64

65	LT	98+00	FE	(8" DEPTH)
63	LT	98+64	FE	(8" DEPTH)
61	RT	103+50	FE	(8" DEPTH)
<u>68</u>	LT&RT	105+30 - 105+80	SIDEROAD RETURNS	(12" DEPTH)

TOTAL 257

40600990 TEMPORARY RAMP

SQ YD LOCATION

IL 64

29	LT&RT	105+20 - 105+30
<u>29</u>	LT&RT	105+65 - 105+75

TOTAL 58

SCHEDULE OF QUANTITIES

40603315	<u>HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N70</u>				
	TON	LOCATION			
		<u>IL 64</u>			
	10	LT	105+30 - 105+80	SIDEROAD RETURN	(PLACED IN 2 LIFTS)
	6	RT	105+30 - 105+80	SIDEROAD RETURN	(PLACED IN 2 LIFTS)
	<u>31</u>	LT&RT	105+20 - 105+75	PATCH AREA	(PLACED IN 2 LIFTS)
TOTAL	47				

44201383	<u>CLASS C PATCHES, TYPE IV, 12"</u>				
	SQ YD	LOCATION			
		<u>IL 64</u>			
	<u>160</u>	LT&RT	105+20 - 105+75		
TOTAL	160				

48100100	<u>AGGREGATE SHOULDERS, TYPE A</u>				
	TON	LOCATION			
		<u>IL 64</u>			
	287	LT	97+00 - 105+80	(6" DEPTH)	
	<u>321</u>	RT	97+01 - 105+81	(6" DEPTH)	
TOTAL	608				

50100300	<u>REMOVAL OF EXISTING STRUCTURES NO. 1</u>				
	EACH	LOCATION			
		<u>IL 64</u>			
	<u>1</u>	LT&RT	105+66		
TOTAL	1				

50105200	<u>REMOVE EXISTING CULVERTS</u>				
	EACH	LOCATION			
		<u>IL 64</u>			
	1	LT	105+19		
	<u>1</u>	RT	105+51		
TOTAL	2				

54207165	<u>PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE - ELLIPTICAL EQUIVALENT ROUND - SIZE 30"</u>				
	FOOT	LOCATION			
		<u>IL 64</u>			
	<u>58</u>	LT&RT	105+30		
TOTAL	58				

542D0220	<u>PIPE CULVERTS, CLASS D, TYPE 1, 15"</u>		
	FOOT	LOCATION	
		<u>IL 64</u>	
	<u>120</u>	LT	98+35
TOTAL	120		

54213450	<u>END SECTION, 15"</u>		
	EACH	LOCATION	
		<u>IL 64</u>	
	<u>2</u>	LT	98+35
TOTAL	2		

54214725	<u>PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL EQUIVALENT ROUND - SIZE 30"</u>		
	EACH	LOCATION	
		<u>IL 64</u>	
	<u>2</u>	LT&RT	105+30
TOTAL	2		

61100605	<u>MISCELLANEOUS CONCRETE</u>		
	CU YD	LOCATION	
		<u>IL 64</u>	
	<u>1</u>	AT FIELD TILE OUTLET LOCATIONS (APPROXIMATE LOCATIONS 101+/-50 & 105+/-00)	
TOTAL	1		

61101009	<u>STORM SEWERS PROTECTED, CLASS A 8"</u>		
	FOOT	LOCATION	
		<u>IL 64</u>	
	<u>50</u>	AT FIELD TILE OUTLET LOCATIONS (APPROXIMATE LOCATIONS 101+/-50 & 105+/-00)	
TOTAL	50		

61133100	<u>FIELD TILE JUNCTION VAULTS, 2' DIAMETER</u>		
	EACH	LOCATION	
		<u>IL 64</u>	
	<u>2</u>	AT FIELD TILE OUTLET LOCATIONS (APPROXIMATE LOCATIONS 101+/-50 & 105+/-00)	
TOTAL	2		

SCHEDULE OF QUANTITIES

63200310	<u>GUARDRAIL REMOVAL</u>		
	<u>FOOT</u>	<u>LOCATION</u>	
		<u>IL 64</u>	
	101	LT	101+00 - 102+01
	101	RT	101+43 - 102+44
TOTAL	202		

63500105	<u>DELINEATORS</u>		
	<u>EACH</u>	<u>LOCATION</u>	<u>REMARKS</u>
		<u>IL 64</u>	
	2	LT&RT	105+30 AT THE END OF THE CULVERT
TOTAL	2		

66600105	<u>FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS</u>			
	<u>EACH</u>	<u>LOCATION</u>	<u>OFFSET</u>	
		<u>IL 64</u>		
	1	LT	98+32.31	40
	1	LT	98+75	65
	1	LT	99+50	75
	1	LT	103+50	80
	1	LT	105+58.26	75
	1	RT	97+00	40
	1	RT	97+50	55
	1	RT	99+25	80
	1	RT	102+75	80
	1	RT	103+50	60
	1	RT	105+59.39	60
TOTAL	11			

66700095	<u>PERMANENT SURVEY MARKERS</u>		
	<u>EACH</u>	<u>LOCATION</u>	
		<u>IL 64</u>	
	2	LOCATION AS DIRECTED BY THE ENGINEER	
TOTAL	2		

78001110	<u>PAINT PAVEMENT MARKING - LINE 4" (TWO APPLICATIONS)</u>			
	<u>FOOT</u>	<u>LOCATION</u>		
		<u>IL 64</u>		
	1816	LT	97+00 - 105+80	WHITE EDGE LINE
	1812	RT	97+00 - 105+80	WHITE EDGE LINE
	1760	RT	97+00 - 105+80	YELLOW NO PASSING
	440	LT	97+00 - 105+80	YELLOW SKIP DASH
TOTAL	5828			

A2006514	<u>TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER BALLED AND BURLAPPED</u>	
	<u>EACH</u>	<u>LOCATION</u>
		<u>IL 64</u>
	45	LAYOUT BY DISTRICT LANDSCAPE ARCHITECT
TOTAL	45	

C2001748	<u>SHRUB, CORNUS SERICEA CARDINAL (CARDINAL REDOSIER DOGWOOD), 4' HEIGHT, BALLED AND BURLAPPED</u>	
	<u>EACH</u>	<u>LOCATION</u>
		<u>IL 64</u>
	20	LAYOUT BY DISTRICT LANDSCAPE ARCHITECT
TOTAL	20	

XX001135	<u>PAVEMENT PATCHING, SPECIAL</u>	
	<u>SQ YD</u>	<u>LOCATION</u>
		<u>IL 64</u>
	160	LT&RT 105+20 - 105+75
TOTAL	160	

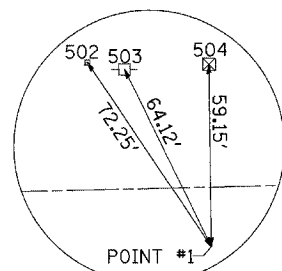
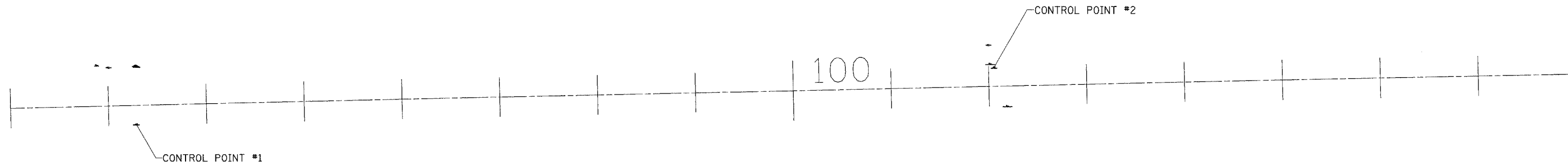
Z0020900	<u>ESTABLISHING AND REFERENCING LAND SECTION MARKERS</u>		
	<u>EACH</u>	<u>LOCATION</u>	<u>OFFSET</u>
		<u>IL 64</u>	
	1	LT 105+91.37	1.22' LEFT
TOTAL	1		

Z0023600	<u>FILLING EXISTING CULVERTS</u>	
	<u>EACH</u>	<u>LOCATION</u>
		<u>IL 64</u>
	1	LT&RT 101+72
TOTAL	1	

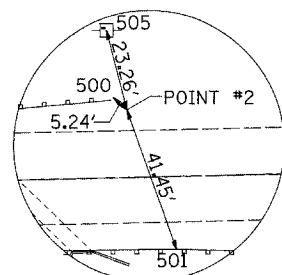
EARTH WORK SCHEDULE

LOCATION	20200100 EARTH EXC (CUT) CU YD	EARTH EXC ADJ SHRINK 25% CU YD	EMBANK (FILL) CU YD	EARTH WORK BALANCE WASTE (+) SHORTAGE (-) CU YD
97 + 00 - 100 + 00	2338	1753	68	1685
100 + 00 - 105 + 80	4045	3034	418	2616
TOTAL	6383	4787	486	4301

HORIZONTAL VERTICAL CONTROL



HORIZONTAL CONTROL POINT #1



HORIZONTAL CONTROL POINT #2

Chain IL64 contains:
G0261260 CUR 200 CUR 210 220

Beginning chain IL64 description

Point G0261260 N 1,962,533.3202 E 2,427,842.9914 Sta 5+52.6233

Course from G0261260 to PC 200 88° 03' 57.3801" Dist 6,249.8235'

Curve Data

Curve 200
P.I. Station 76+30.6429 N 1,962,772.1986 E 2,434,916.9788

Delta = 0° 39' 47.3182" (RT)

Degree = 0° 02' 24.1292"

Tangent = 828.1960'

Length = 1,656.3736'

Radius = 143,111.0348'

External = 2.3964'

Long Chord = 1,656.3643'

Mid. Ord. = 2.3964'

P.C. Station 68+02.4468 N 1,962,744.2475 E 2,434,089.2546

P.T. Station 84+58.8204 N 1,962,790.5678 E 2,435,744.9711

C.C. N 1,819,714.7389 E 2,438,919.1552

Course from PT 200 to PC 210 88° 43' 44.6983" Dist 10,179.0097'

Curve Data

Curve 210
P.I. Station 188+90.9552 N 1,963,021.9512 E 2,446,174.5396

Delta = 0° 37' 18.3331" (RT)

Degree = 0° 07' 22.1439"

Tangent = 253.1252'

Length = 506.2454'

Radius = 46,651.0557'

External = 0.6867'

Long Chord = 506.2429'

Mid. Ord. = 0.6867'

P.C. Station 186+37.8300 N 1,963,016.3370 E 2,445,921.4767

P.T. Station 191+44.0754 N 1,963,024.8191 E 2,446,427.6485

C.C. N 1,916,376.7576 E 2,446,956.1910

Course from PT 210 to 220 89° 21' 03.0314" Dist 7,387.9239'

Point 220 N 1,963,108.5220 E 2,453,815.0982 Sta 265+31.9993

Ending chain IL64 description

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1962790.5890	2436614.4020	860.1600	IL64	93+28.0379	19.2627' RT	PIN
2	1962848.1290	2437490.8820	841.1810	IL64	102+05.5785	18.8229' LT	PIN
65722926	1947200.3330	2445080.8679	918.8367	IL64	174+46.6311	15793.4686' RT	NGS MONUMENT
65722925	1948558.9644	2442895.4309	904.3167	IL64	152+91.8660	14386.6987' RT	NGS MONUMENT

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
401	1962849.0935	2436614.6498	863.4652	IL64	93+29.5832	39.2219' LT	R.O.W. MARKER

REFERENCE TIES					
POINT	CHAIN	STATION	OFFSET	DESCRIPTION	
500	IL64	102+01.8072	22.4585' LT	GUARDRAIL STEEL PLATE BEAM, END	
501	IL64	102+18.6413	20.5115' RT	GUARDRAIL STEEL PLATE BEAM, END	
502	IL64	92+88.8313	41.4268' LT	FENCE CORNER, SHINER	
503	IL64	93+00.9372	38.8517' LT	POWER POLE, SHINER	
504	IL64	93+28.5300	39.8889' LT	R.O.W. MARKER, FACE	
505	IL64	102+00.3417	41.4806' LT	POWER POLE, SHINER	

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
IL64	200	200	201	202	203
IL64	210	210	211	212	213

DATE: _____ BY: _____
 SUPERVISOR: _____
 CHECKED: _____
 ALIGNED: _____
 RT. OF WAY: _____
 PAID FILE NAME: _____
 PLAN NO.: _____

DATE: _____ BY: _____
 SUPERVISOR: _____
 CHECKED: _____
 GRADES: _____
 B.M. NOTED: _____
 STRUCTURE: _____
 NOTATIONS: _____
 PROFILE NO.: _____

WAYNE E. SHELLHAUSE

120' PIPE CULVERTS, CLD, T1 15" W/
 2 END SECTIONS, 15"

JOEL L. BROOKS

AGGREGATE BASE COURSE TYPE B

TEMPORARY EASEMENT

PROPOSED ROW

CONSTRUCTION LIMITS

EXISTING ROW

IMPROVEMENT BEGINS
 STA. 97+00.00

FE

FE

AGGREGATE BASE COURSE TYPE B
 EXISTING ROW

94 IL 64 95+00

96

97

98

99

IL 64

EXISTING ROW

CONSTRUCTION LIMITS

PROPOSED ROW

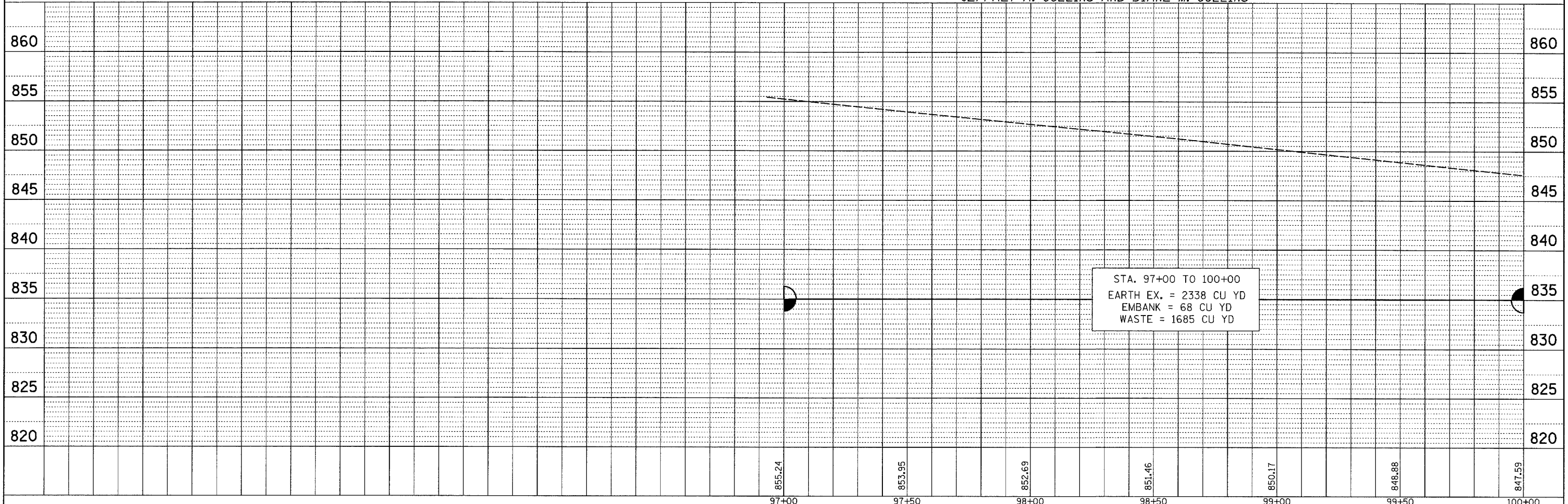
EXISTING ROW



X = TREE REMOVAL

AGGREGATE SHOULDERS TYPE A
 JEFFREY A. COLLINS AND DIANE M. COLLINS

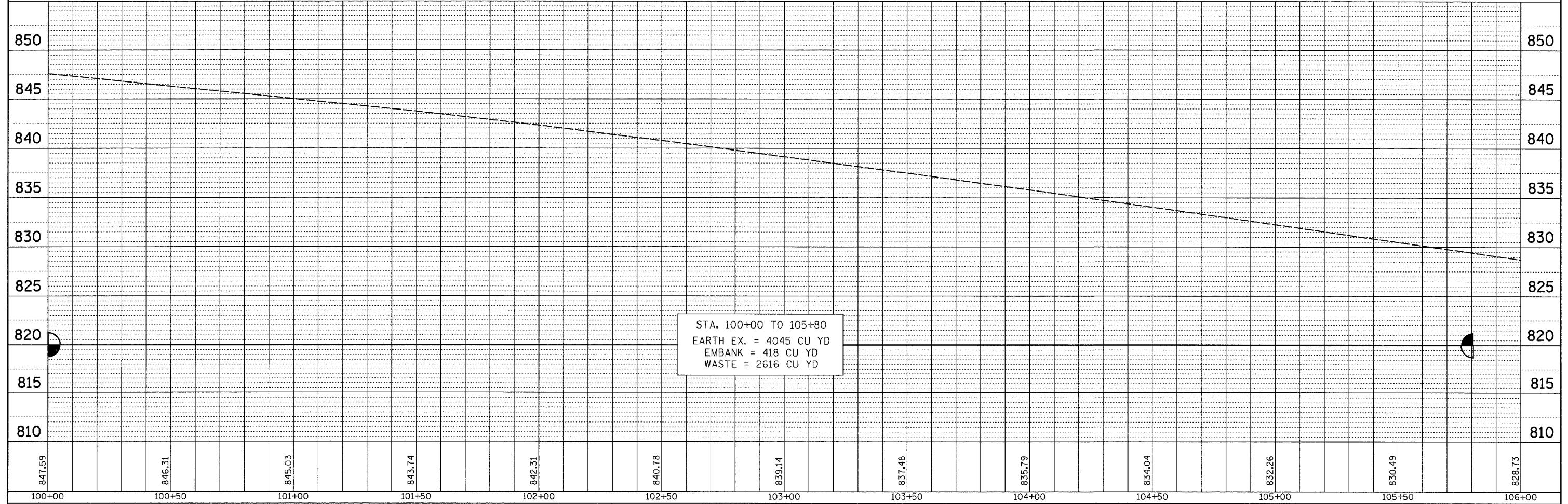
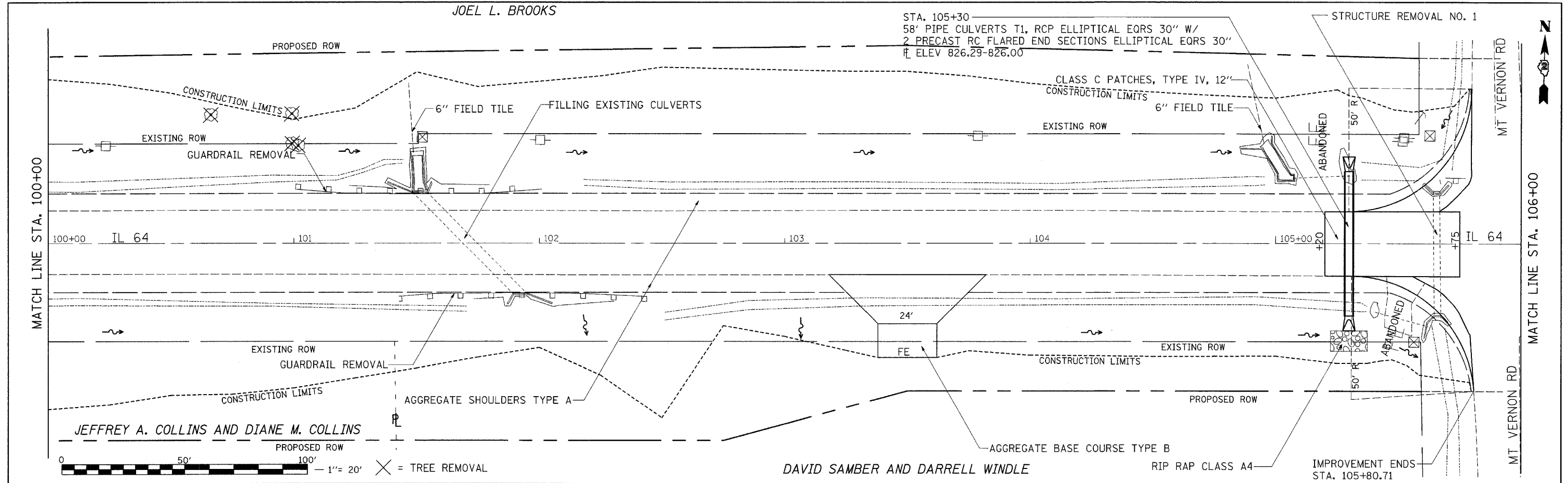
MATCH LINE STA. 100+00



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		DRAWN -	REVISED -		SCALE: 1" = 20'	SHEET NO.	OF	SHEETS	STA. 94+00	TO STA. 100+00	OGLE	39	14
		CHECKED -	REVISED -								CONTRACT NO. 64C36		
		DATE -	REVISED -						FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

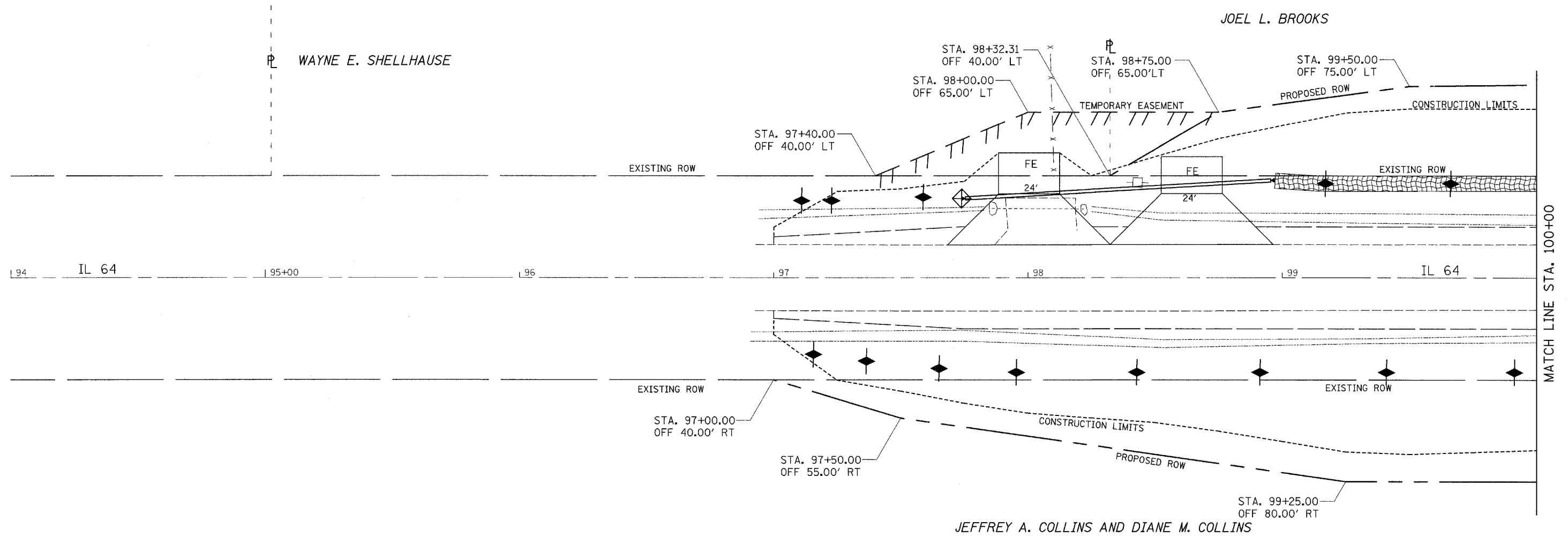
DATE	
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FILE NAME =	USER NAME = meg11j	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 64 PLAN & PROFILE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei:\projects\p227\106\106.dwg		DRAWN -	REVISED -			17	101T	OGLE	39	15
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 64C36				
PLOT DATE = Wed Dec 05 07:43:12 2007		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

EROSION CONTROL AND ROW DETAILS



EROSION CONTROL LEGEND	
	TEMPORARY DITCH CHECK
	INLET & PIPE PROTECTION
	PERIMETER EROSION BARRIER

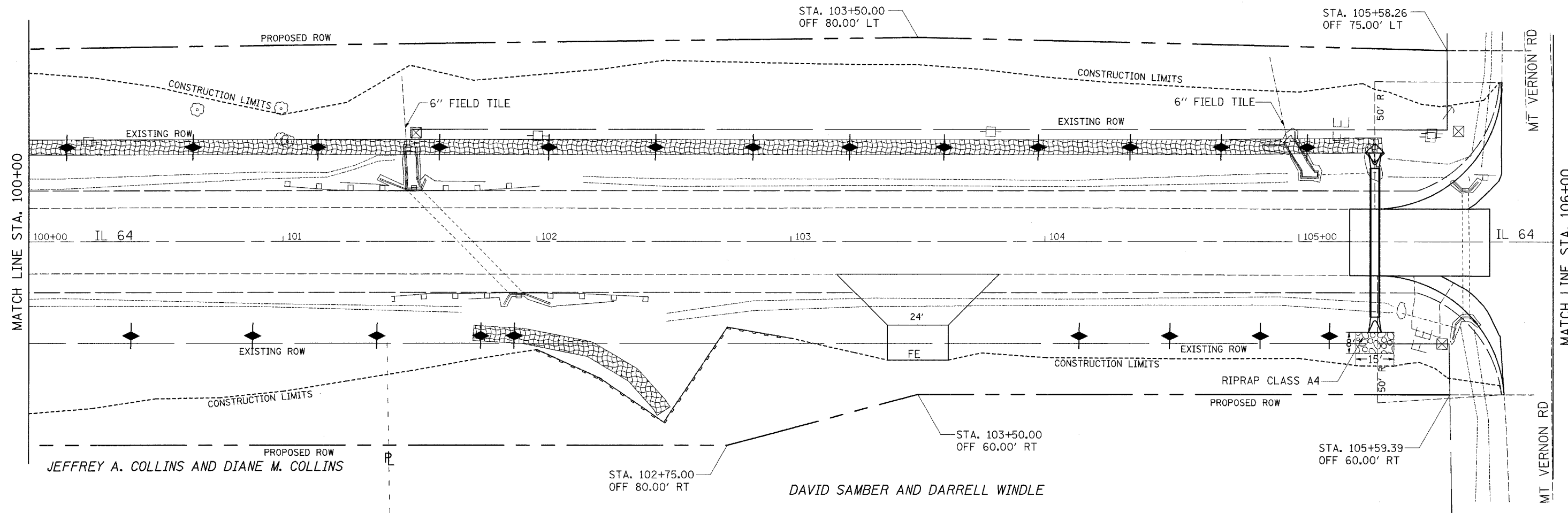


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PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 64C36		ILLINOIS FED. AID PROJECT		
PLOT DATE = Wed Dec 05 07:17:35 2007		DATE -	REVISED -							

EROSION CONTROL AND ROW DETAILS



JOEL L. BROOKS

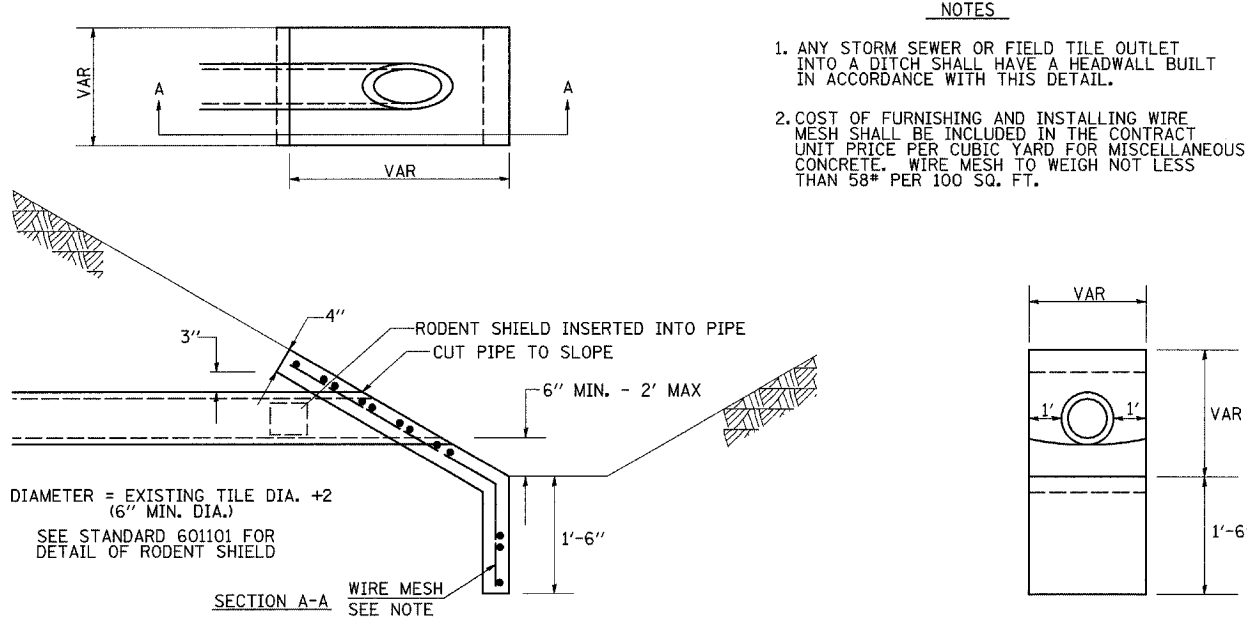


EROSION CONTROL LEGEND	
◆	TEMPORARY DITCH CHECK
◊	INLET & PIPE PROTECTION
—	PERIMETER EROSION BARRIER



FILE NAME = c:\projects\p207906\ad07906row.dgn	USER NAME = meglij	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 64 EROSION CONTROL & ROW DETAILS	F.A.P. RTE. 17	SECTION 101T	COUNTY OGLE	TOTAL SHEETS 39	SHEET NO. 17
PLOT SCALE = 28,0000 "/>										
PLOT DATE = Wed Dec 05 07:17:35 2007		DATE -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 64C36 ILLINOIS FED. AID PROJECT				

SLOPE WALL FOR FIELD TILE OUTLETS

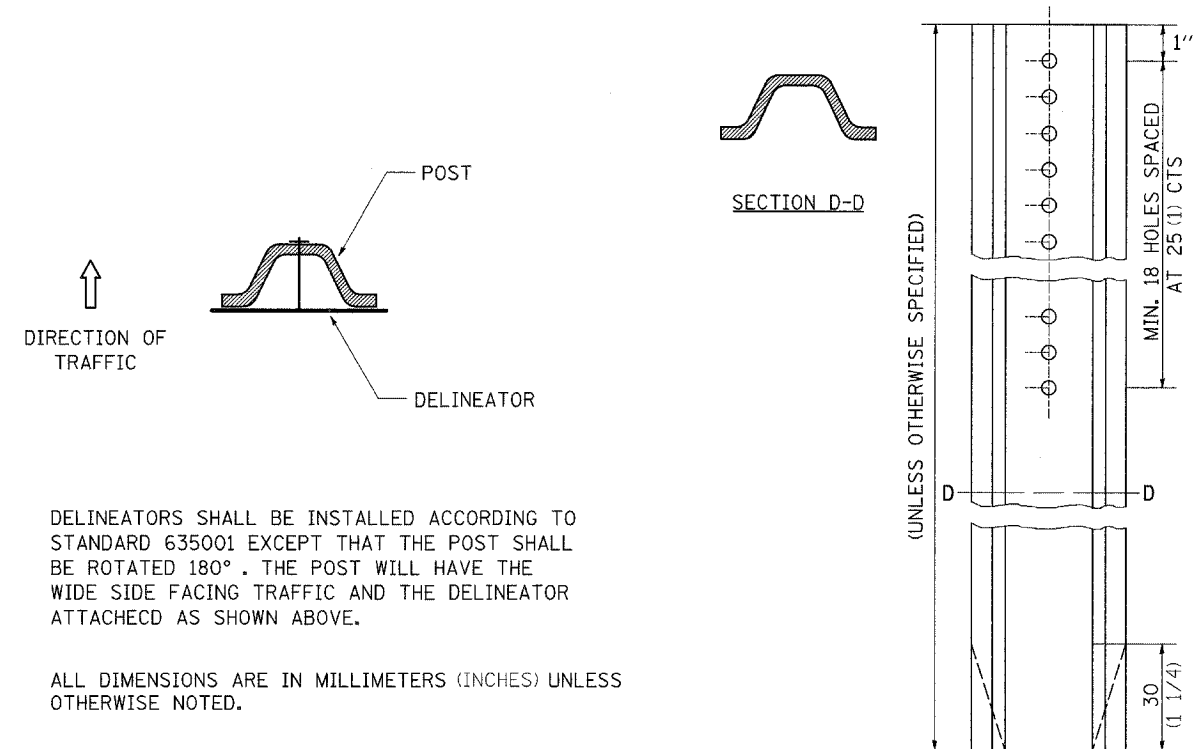


- NOTES**
1. ANY STORM SEWER OR FIELD TILE OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
 2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100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

REVISED - 1-24-07

SLOPE WALL FOR FIELD TILE OUTLETS 28.4

DELINEATOR AND POST ORIENTATION



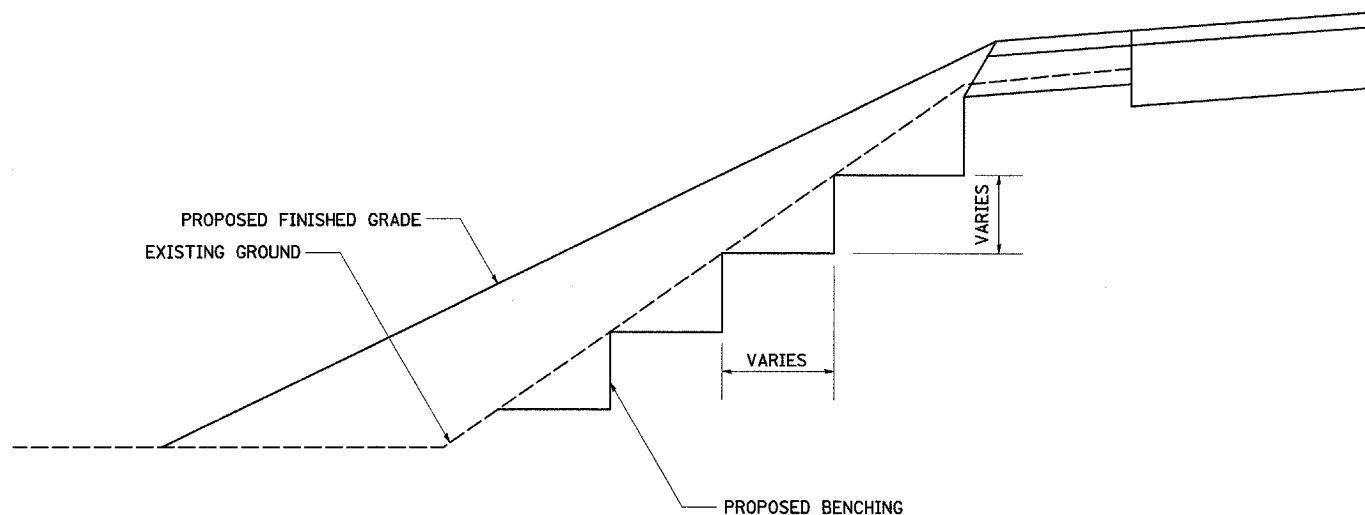
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

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

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

LETTERING FOR NAME PLATE

STATION
 BUILT 200 BY
 STATE OF ILLINOIS
 RTE. SEC.
 FA PROJECT
 LOADING HS 20
 STR. NO.

SEE STD. 515001

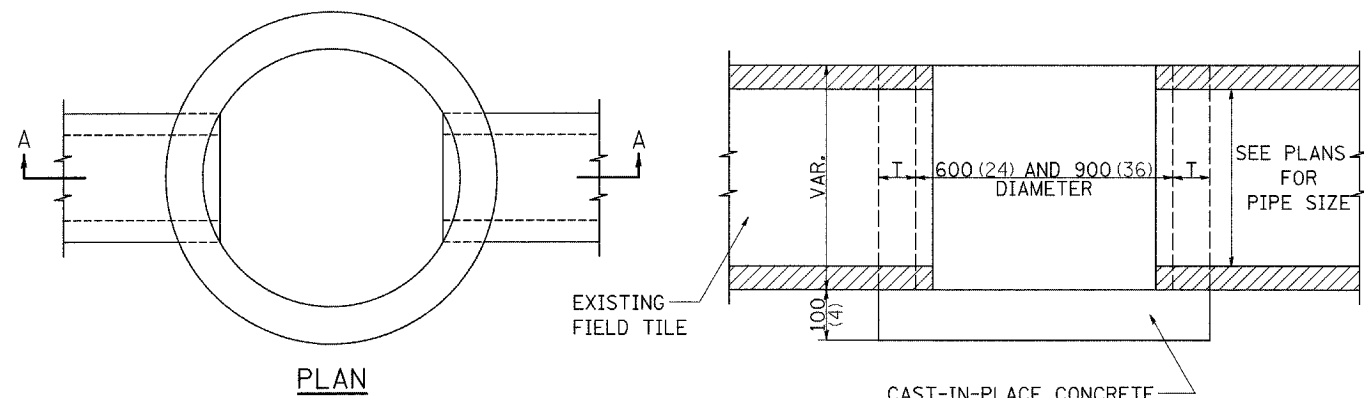
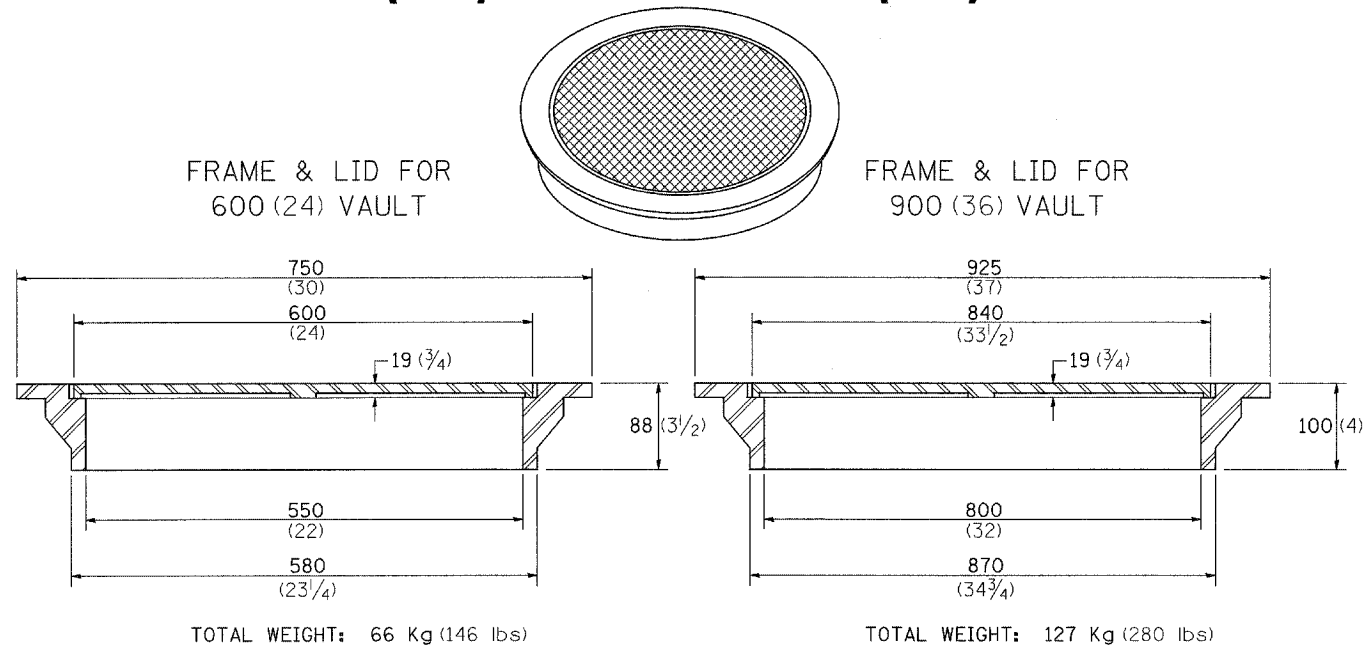
STATION	STRUCTURE NO.

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

REVISED - 11-01-07	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		17	101T	OGLE	39	18
REVISED -		CONTRACT NO. 64C36				
REVISED -		SCALE: 50.0000' / 1" SHEET NO. OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT			

LETTERING FOR NAME PLATE 89.4

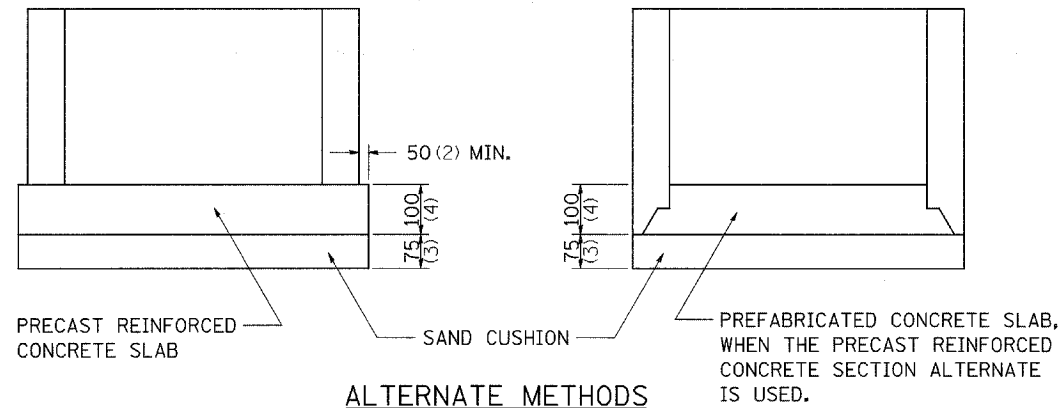
FIELD TILE JUNCTION VAULTS 600 (24) AND 900 (36) DIA.



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)

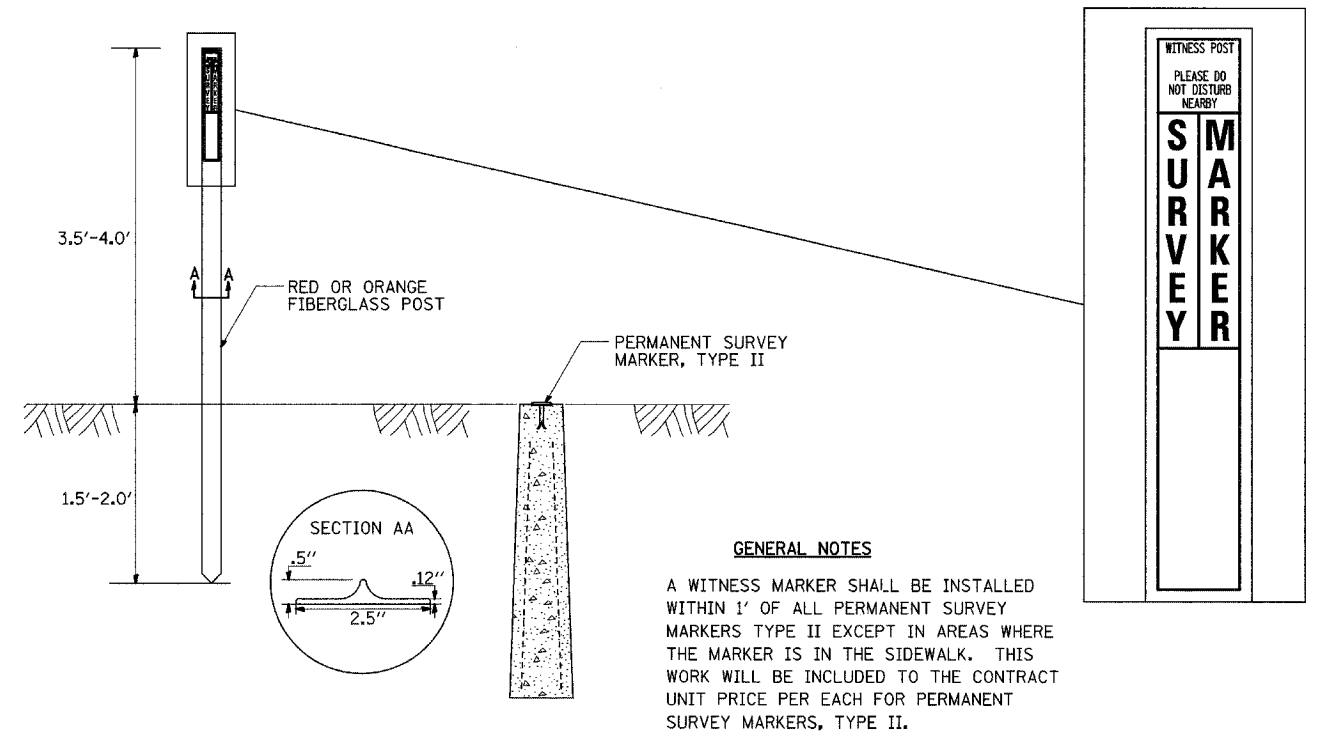
NOTE: THE FRAME AND LID IS REQUIRED ON ALL JUNCTION VAULTS.

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



REVISED - 5-03-94

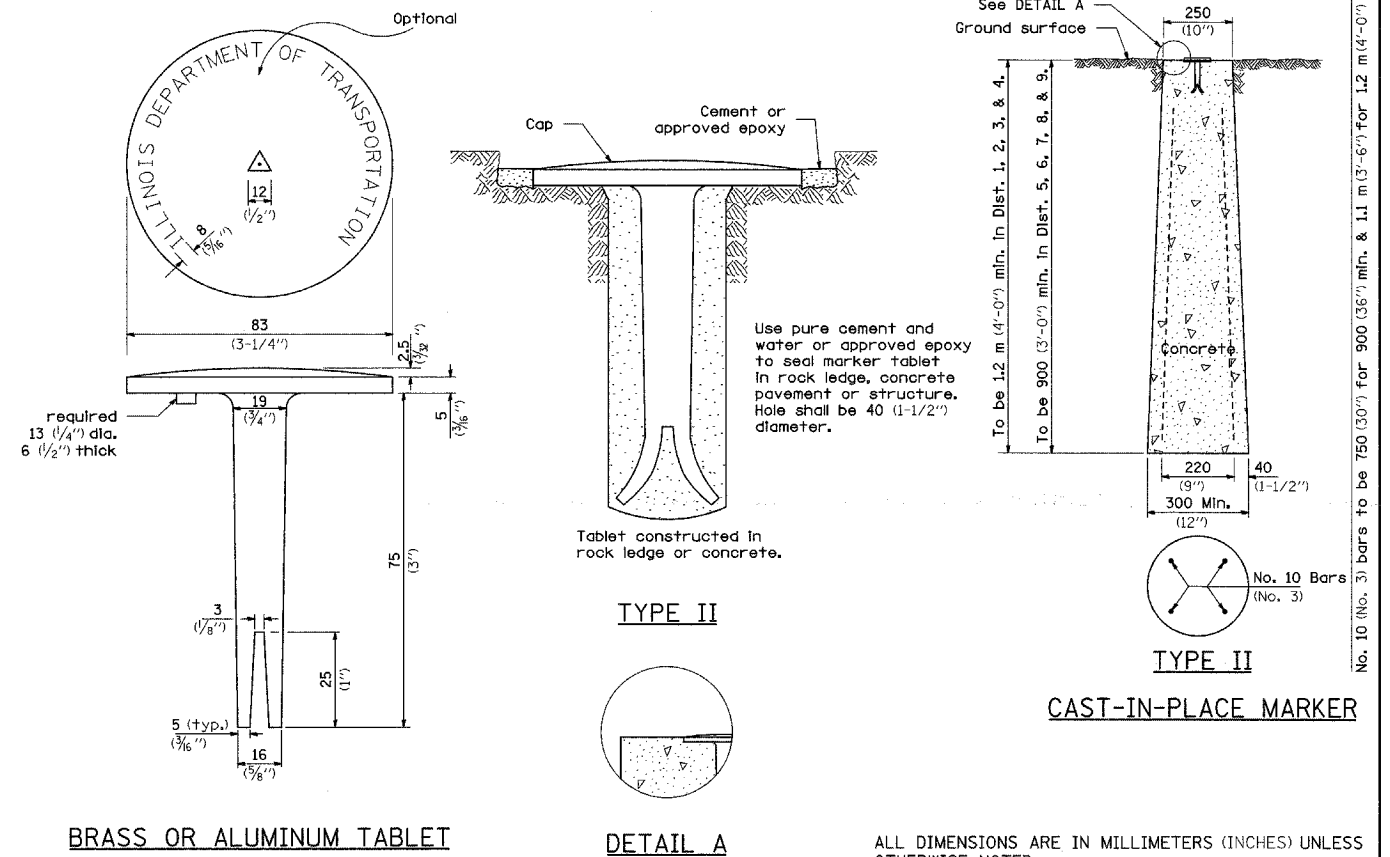
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



GENERAL NOTES

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

PERMANENT SURVEY MARKERS, TYPE II



BRASS OR ALUMINUM TABLET

DETAIL A

CAST-IN-PLACE MARKER

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

REVISED - 6-26-06	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISED -		17	101T	OGLE	39	20	
REVISED -		SCALE: 50.0000' / IN SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 64C36	
REVISED -		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 REMOVAL AND REPLACEMENT OF A CULVERT (SN 071-1139) CARRYING IL 64 OVER A DRAINAGE DITCH LOCATED 0.1 MILES WEST OF MT VERNON RD

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) 2.25 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) 1.14 ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 1.71 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

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES

STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:

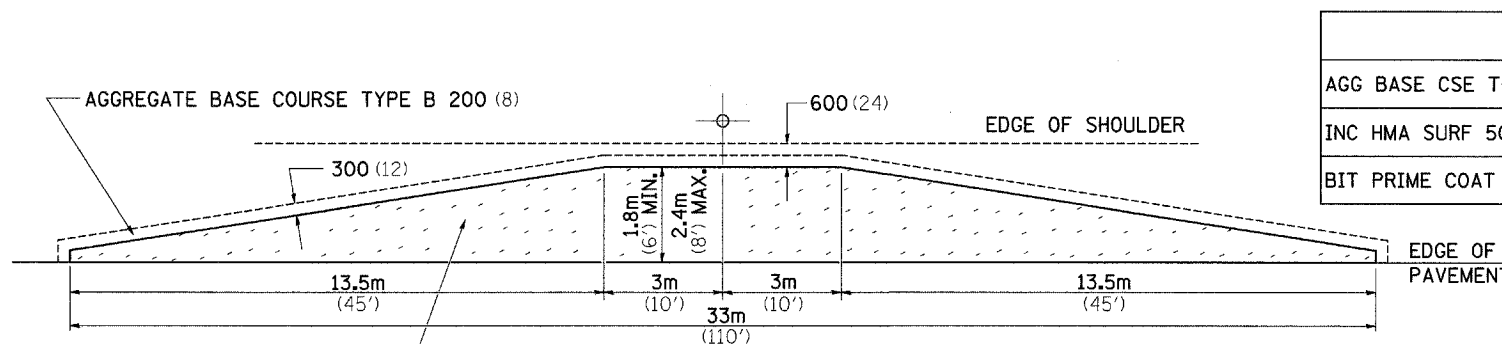
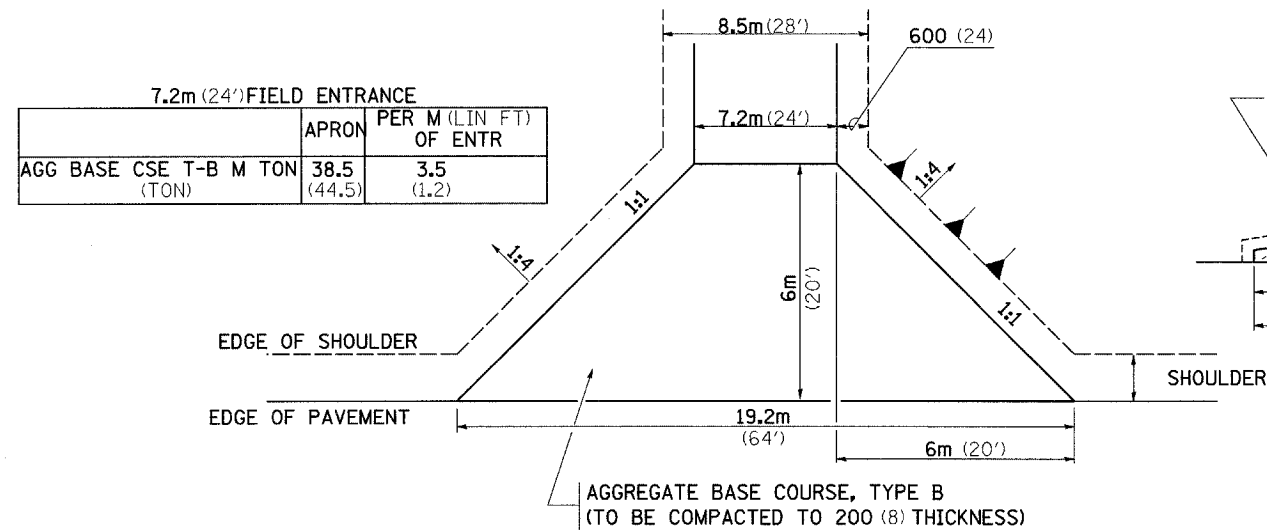
AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING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

MAINTENANCE AFTER FINAL GRADING

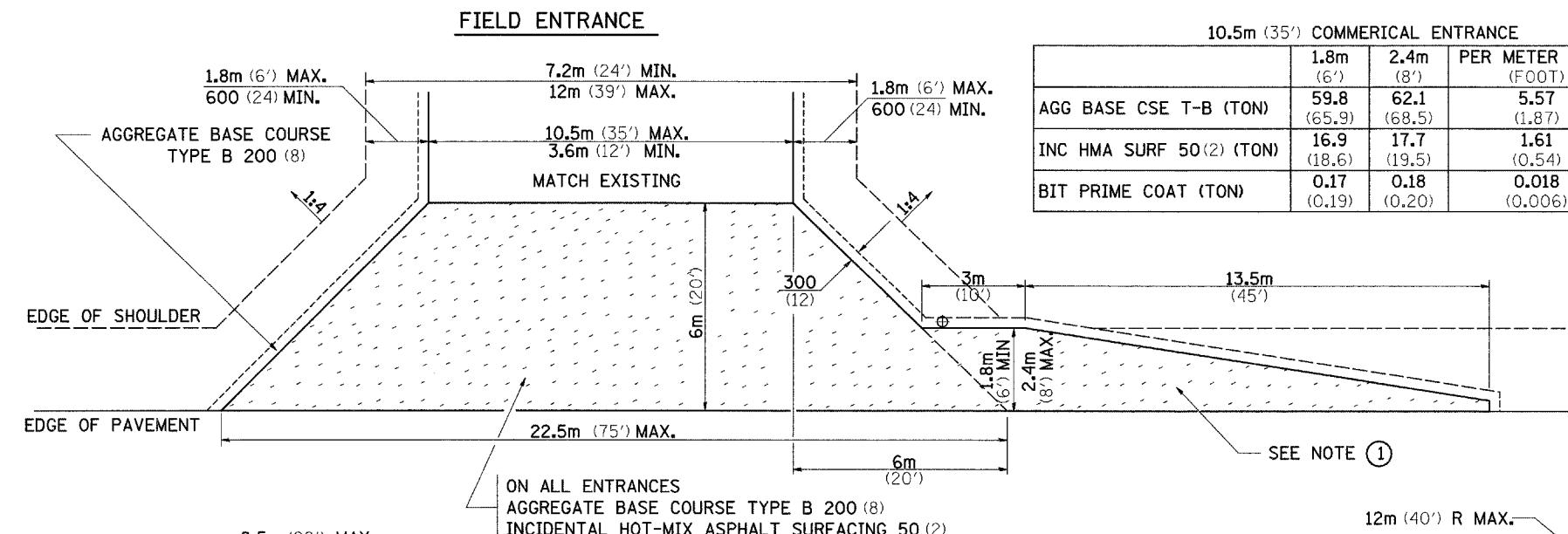
TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND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

FILE NAME = <small>ex\projects\p207908\cd07906covr.dgn</small>	USER NAME = meglilj	DESIGNED - DRAWN -	REVISED - 5-12-04 REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE. 17	SECTION 101T	COUNTY OGLE	TOTAL SHEETS 39	SHEET NO. 21
PLOT SCALE = 50,000' / IN. PLOT DATE = Tue Dec 04 15:44:42 2007						CONTRACT NO. 64C36				
DATE -				SCALE:		SHEET NO. OF SHEETS		STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

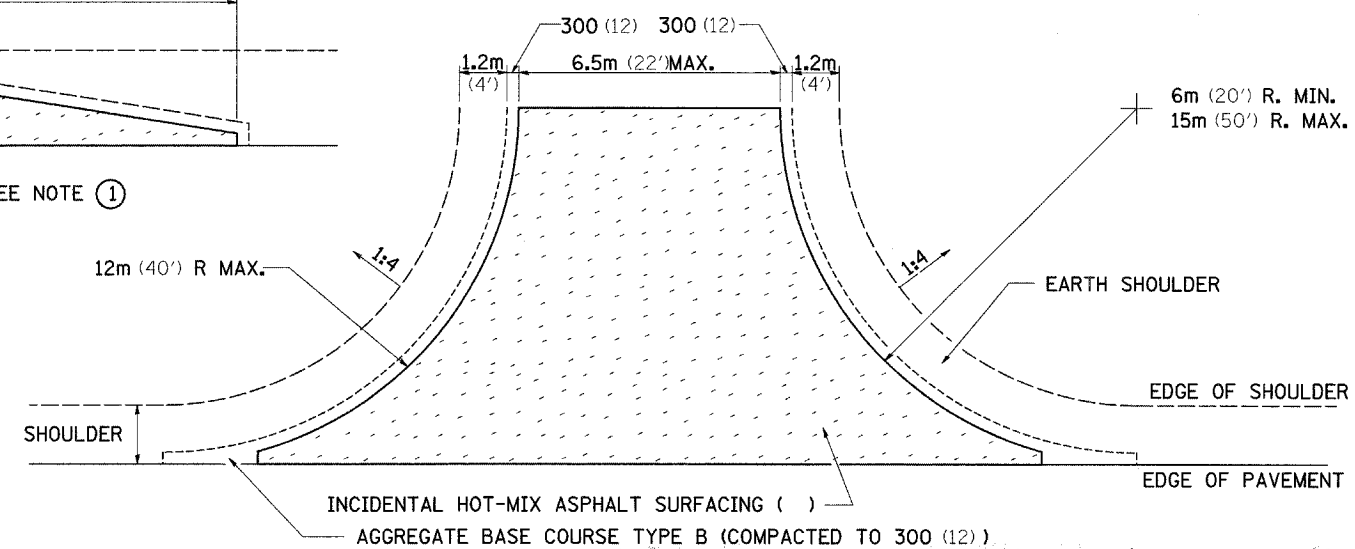
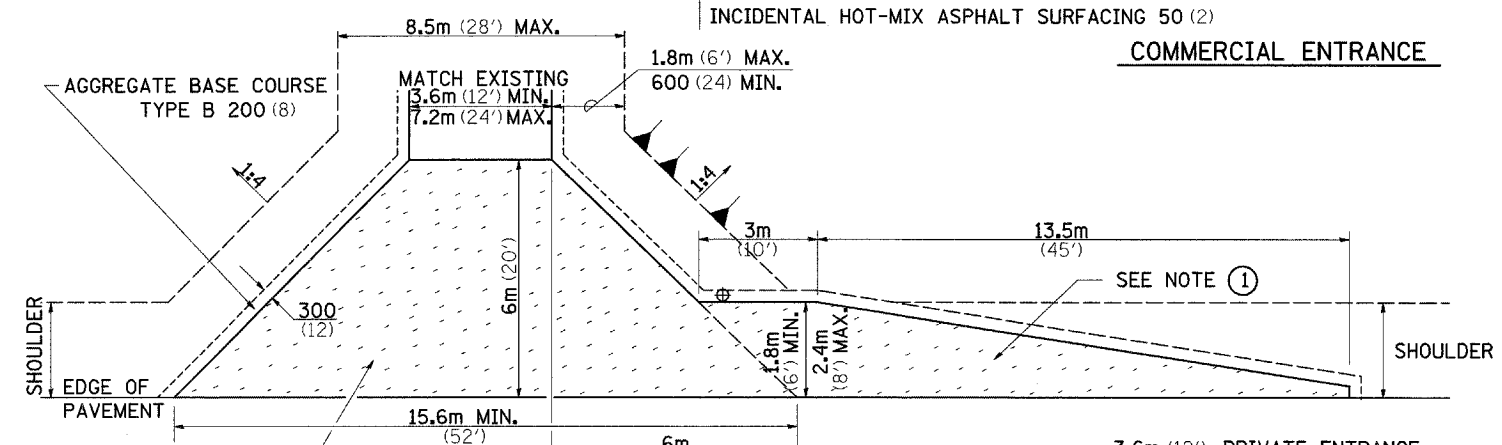
HOT-MIX ASPHALT APPROACHES & MAILBOX RETURNS



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



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

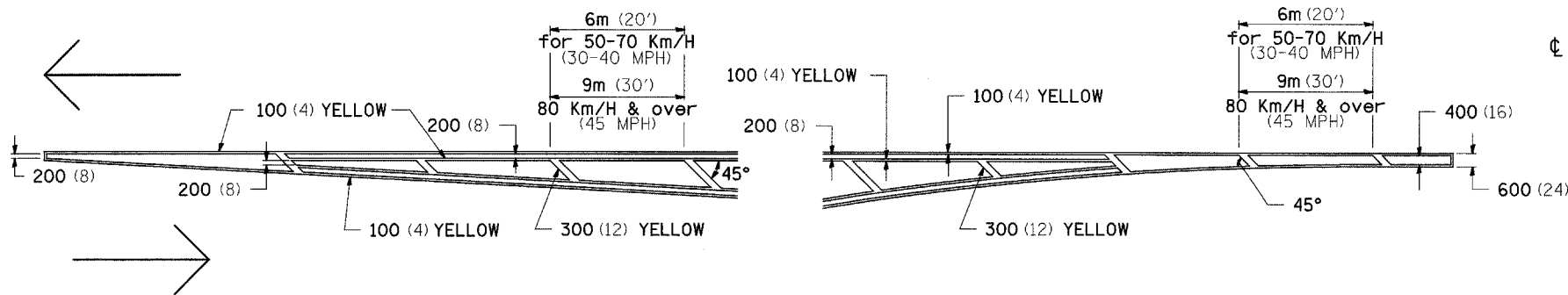


	6m RADIUS (20')			9m RADIUS (30')			12m RADIUS (40')		
	5.5m (18')	6m (20')	6.5m (22')	5.5m (18')	6m (20')	6.5m (22')	5.5m (18')	6m (20')	6.5m (22')
AGG BASE CSE T-B (TON)	40.9 (45.1)	43.7 (48.2)	46.4 (51.2)	70.3 (77.5)	74.4 (82.0)	78.6 (86.6)	105.5 (116.3)	111.0 (122.4)	116.6 (128.5)
INC HMA SURF AT 25 (1) (TON)	3 (3.3)	3.3 (3.6)	3.4 (3.8)	5.3 (5.8)	5.5 (6.1)	5.9 (6.5)	8.0 (8.8)	8.4 (9.3)	9.0 (9.9)
BIT PRIME COAT (TON)	0.07 (0.08)	0.08 (0.09)	0.10 (0.10)	0.14 (0.15)	0.15 (0.16)	0.15 (0.17)	0.20 (0.22)	0.22 (0.24)	0.23 (0.25)

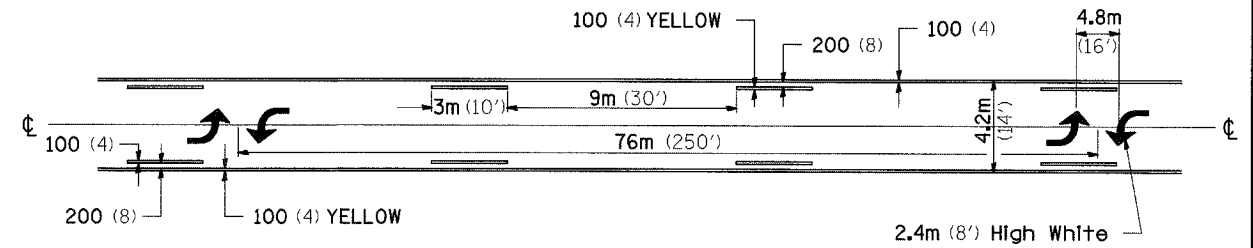
NOTE: USE 50 (2) INC. HMA SURF. ON EXISTING RETURNS

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

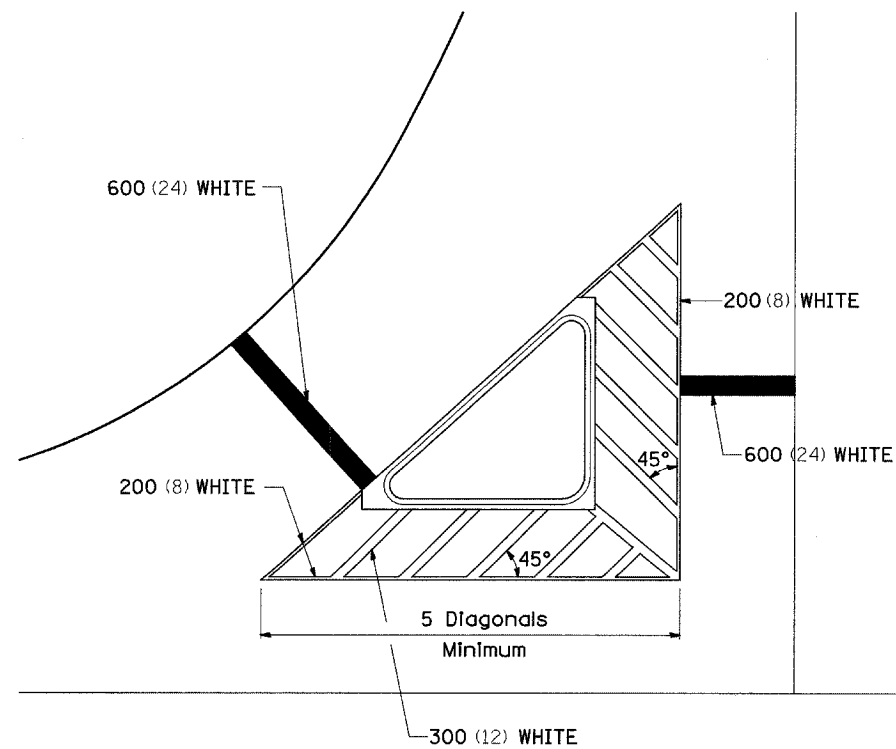


MEDIAN PAVEMENT MARKING

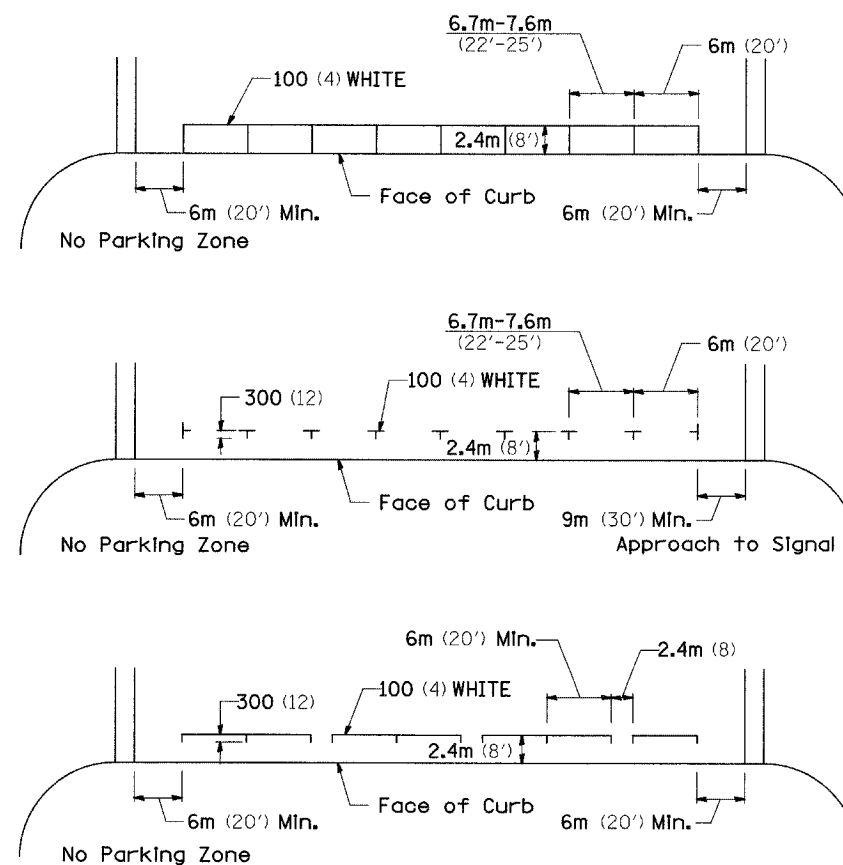


** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

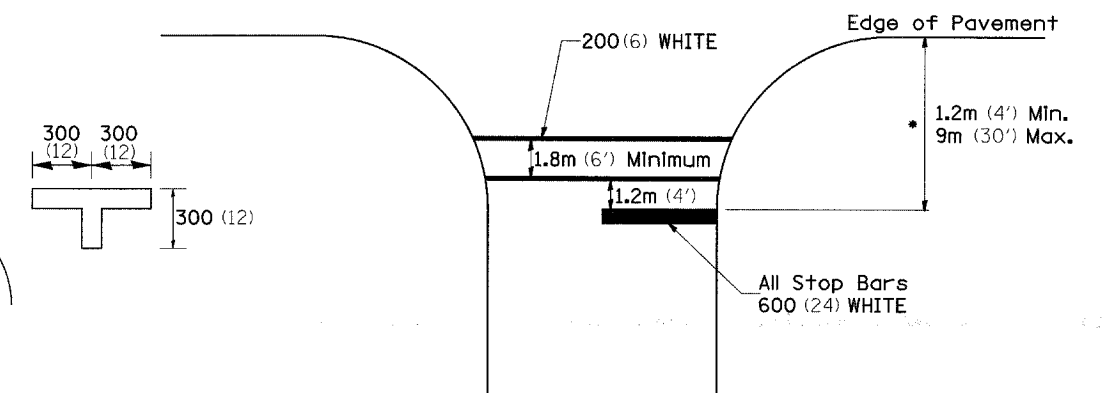


TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations

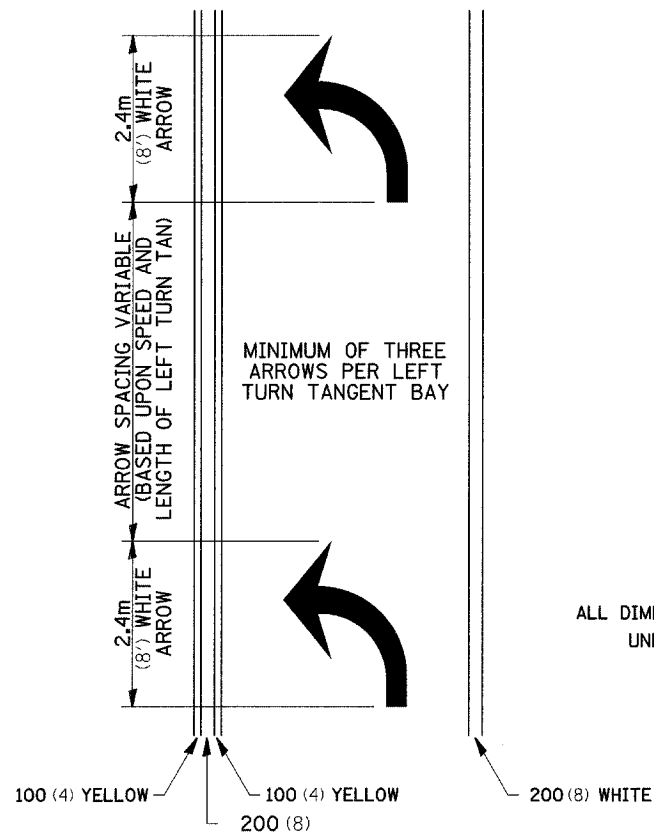


* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME = c:\projects\p287986\d27986avr.dgn	USER NAME = meglilj	DESIGNED -	REVISED - 7-20-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50,000 / IN.	DRAWN -	REVISED -			17	101T	OGLE	39	23	
	PLOT DATE = Tue Dec 04 15:44:43 2007	CHECKED -	REVISED -			CONTRACT NO. 64C36					
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT



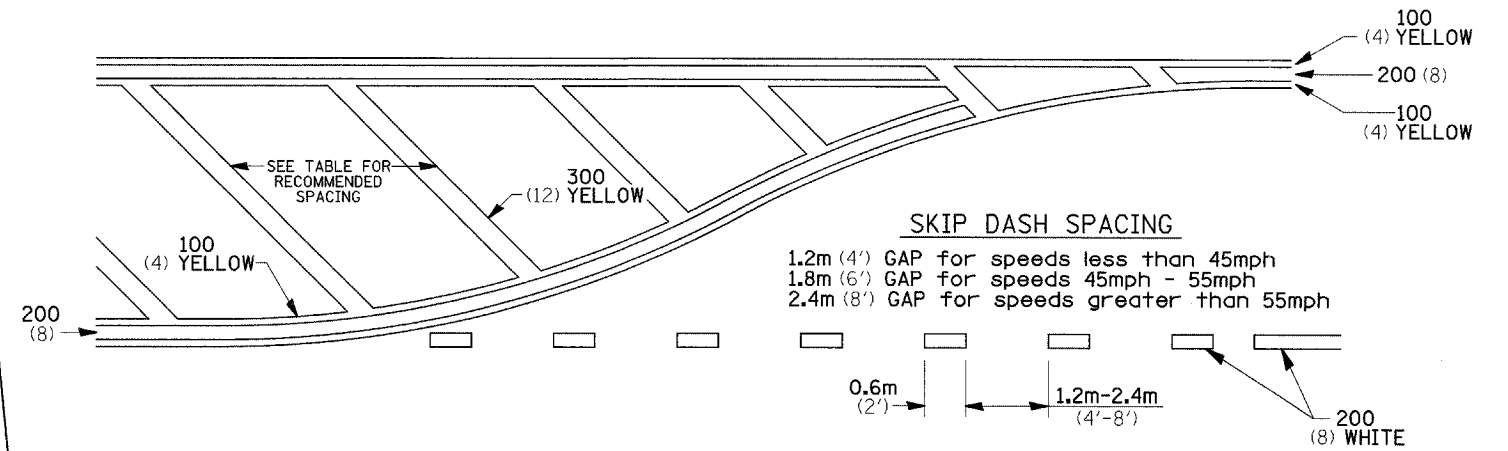
12.2m
6 at (40') O.C.
APPROACH SIDE ONLY

See Typical Drawing at right

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

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

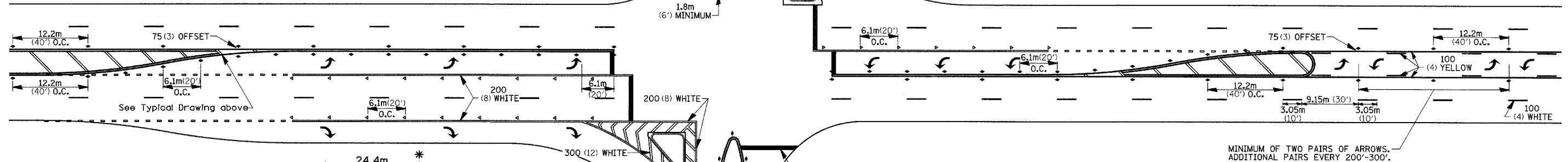
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

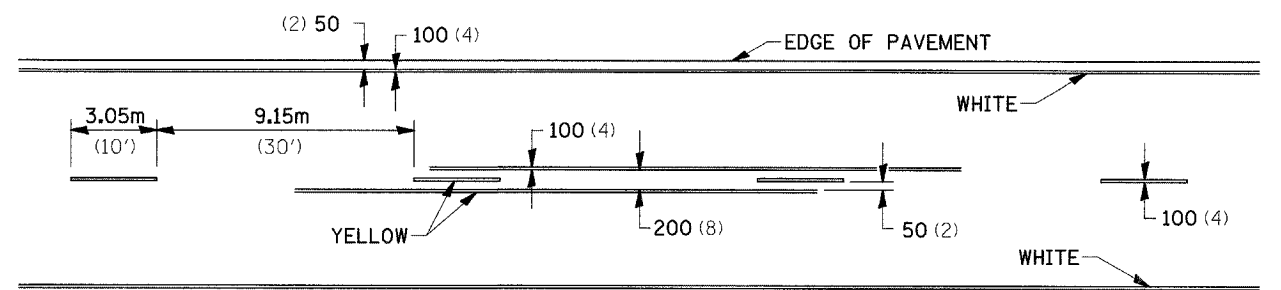
Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

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.



MINIMUM OF TWO PAIRS OF ARROWS. ADDITIONAL PAIRS EVERY 200'-300'.

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



SYMBOLS

See Typical Drawing above

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

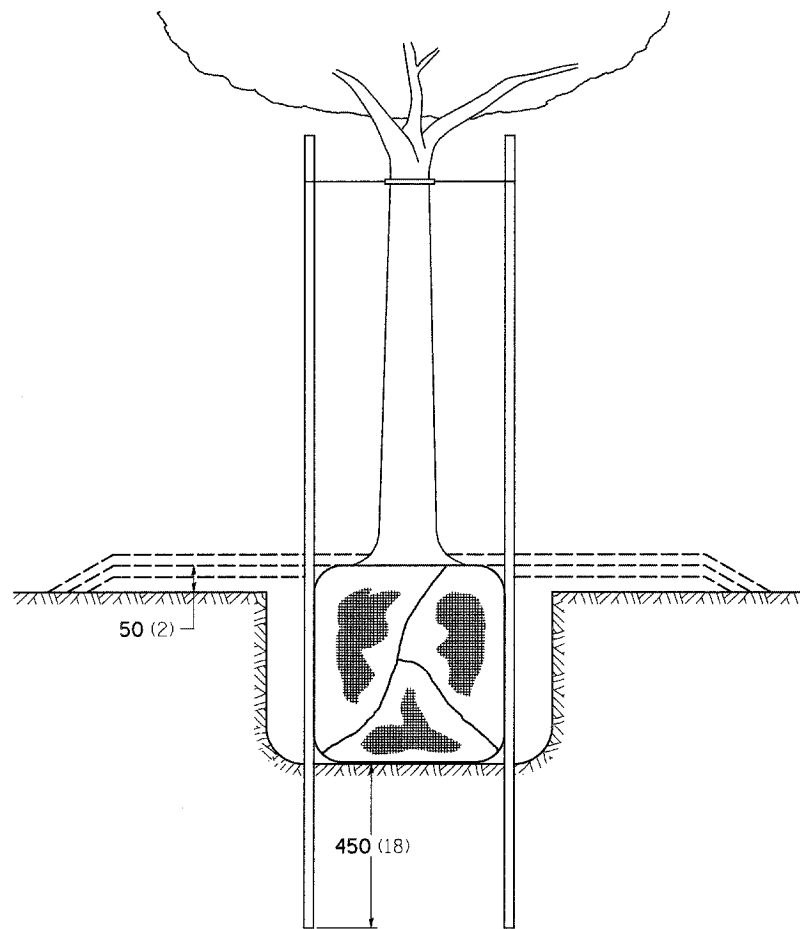
* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI-LANE / UNDIVIDED

FILE NAME = c:\projects\p207905\d07906crr.dgn	USER NAME = meglilj	DESIGNED - DRAWN -	REVISED - 7-20-06 REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE. 17	SECTION 101T	COUNTY OGLE	TOTAL SHEETS 39	SHEET NO. 24
						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

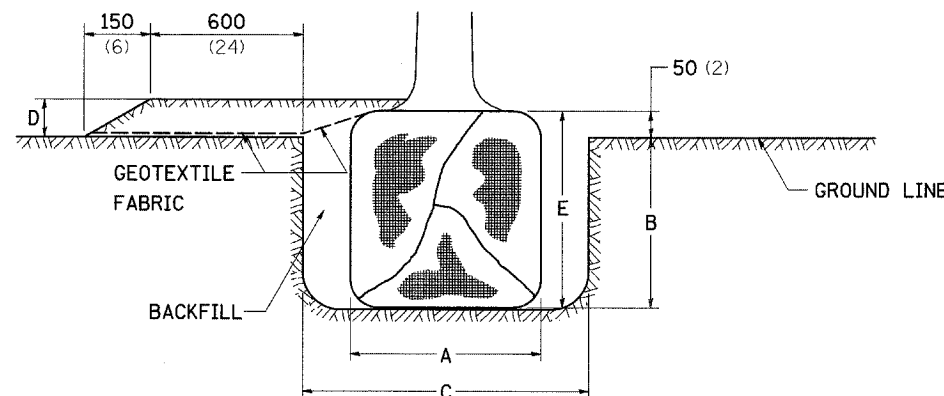
DETAILS OF PLANTING AND BRACING TREES



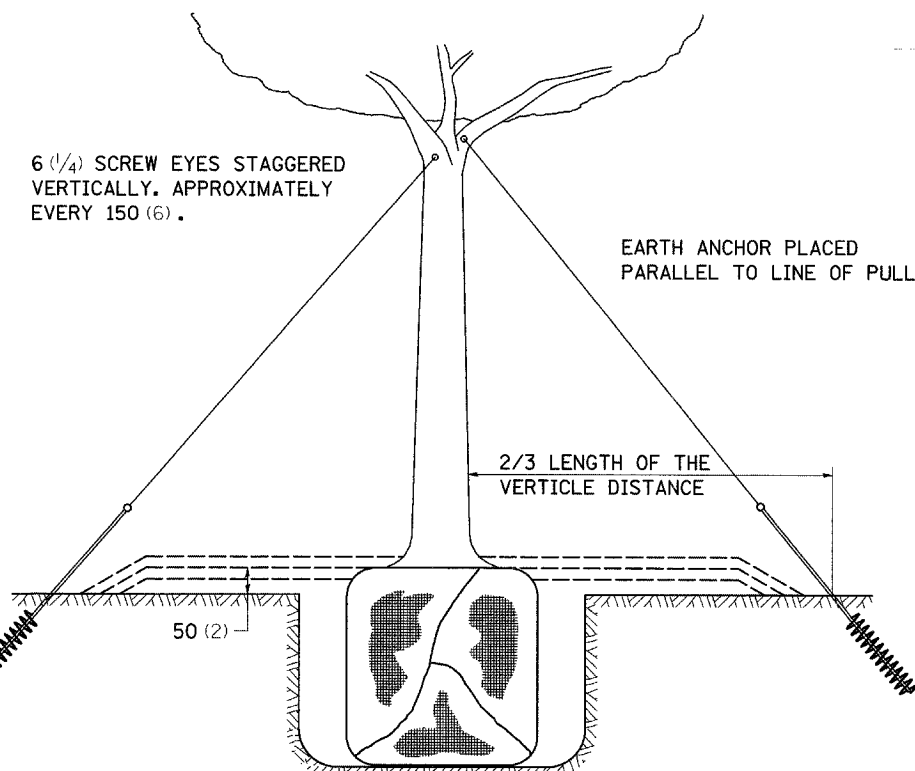
TREES SMALLER THAN 115 (4 1/2) IN DIAMETER

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

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



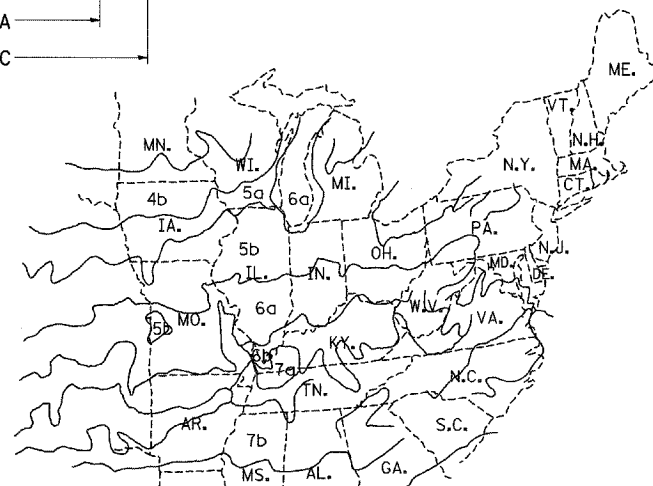
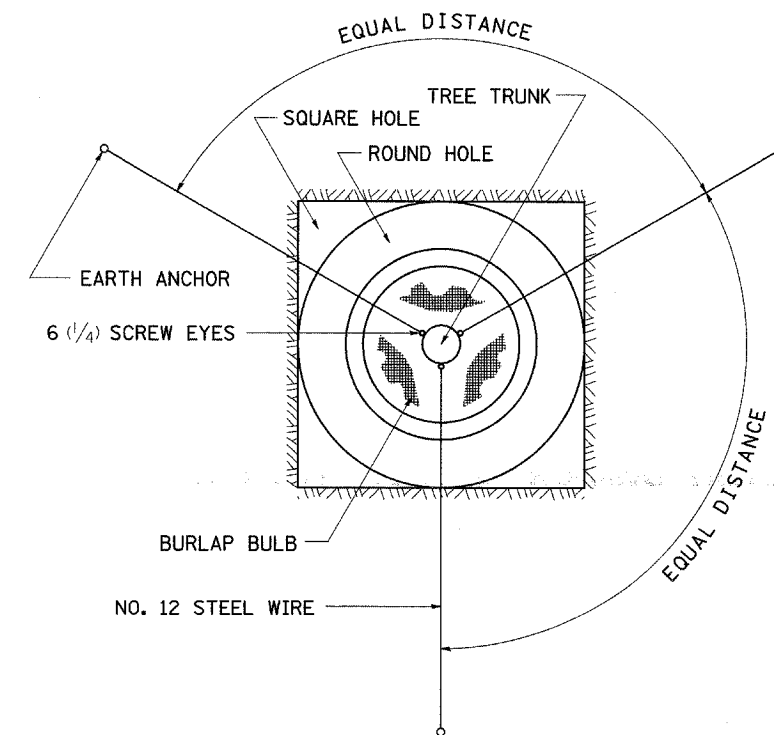
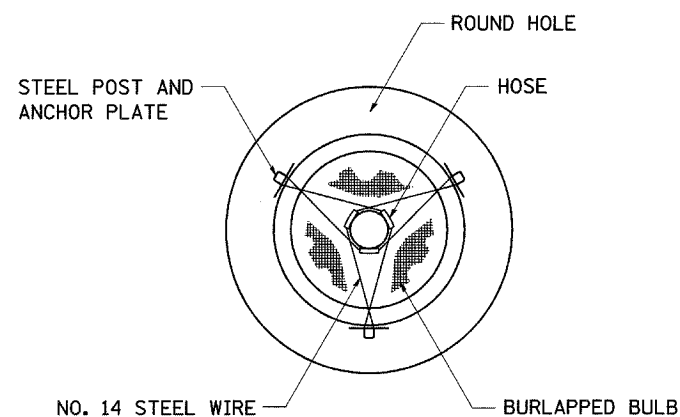
TREES OVER 115 (4 1/2) IN DIAMETER



6 (1/4) SCREW EYES STAGGERED VERTICALLY. APPROXIMATELY EVERY 150 (6).

EARTH ANCHOR PLACED PARALLEL TO LINE OF PULL.

2/3 LENGTH OF THE VERTICAL DISTANCE



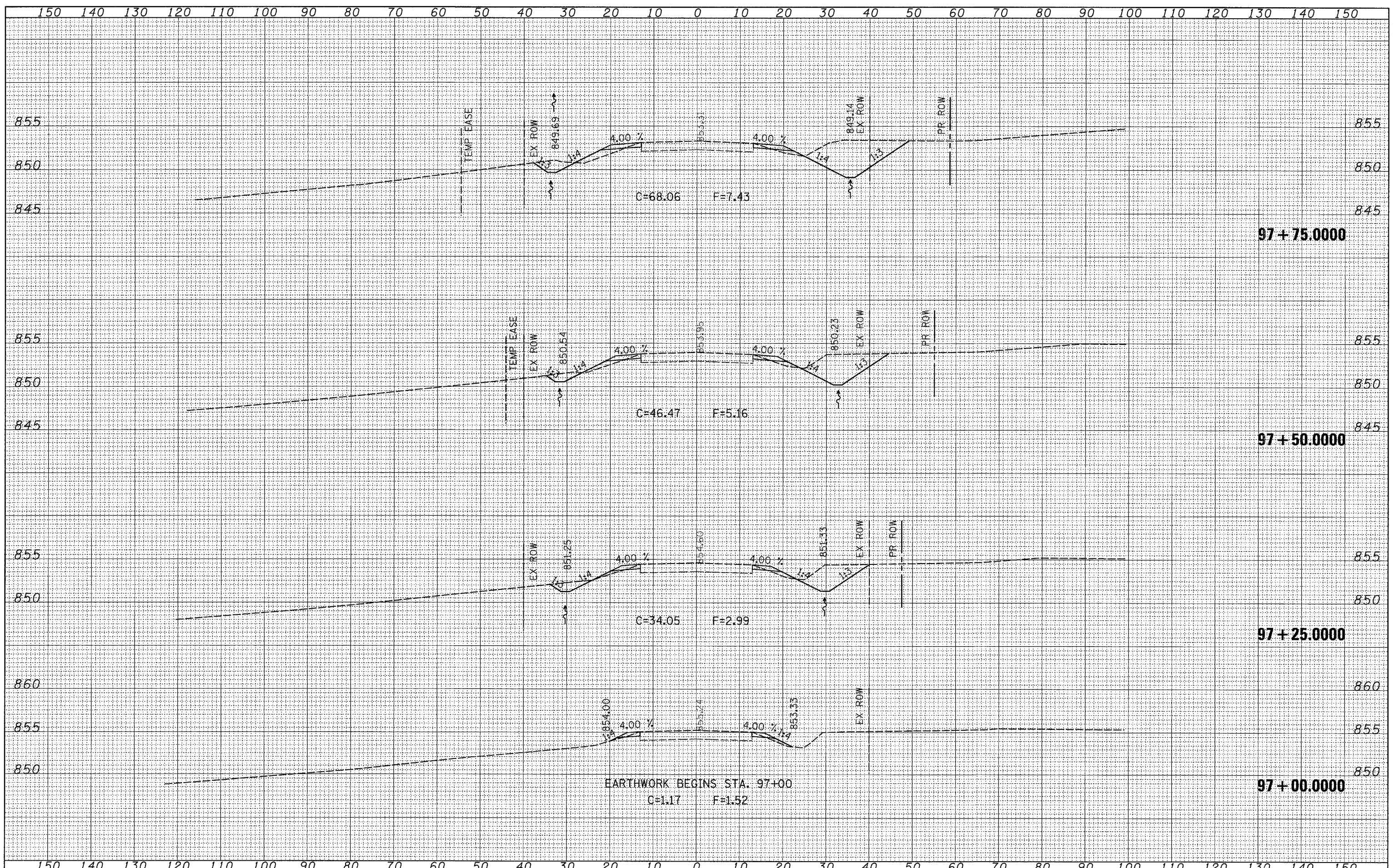
PLANT HARDINESS ZONE MAP
U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814

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

FILE NAME = c:\projects\p207905\vd07906cvr.dgn	USER NAME = negl1lj	DESIGNED - DRAWN -	REVISED - REVISED -	10-15-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE. 17	SECTION 101T	COUNTY OGLE	TOTAL SHEETS 39	SHEET NO. 25	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISOR -	SCALE:	SHEET NO. OF SHEETS			STA. TO STA.	CONTRACT NO. 64C36				
PLOT DATE = Tue Dec 04 15:44:43 2007	DATE -	REVISOR -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									

DATE	
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FINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

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ORIGINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



FILE NAME = c:\projects\p207905\07906.xml.dgn
 USER NAME = megl11

DESIGNED -
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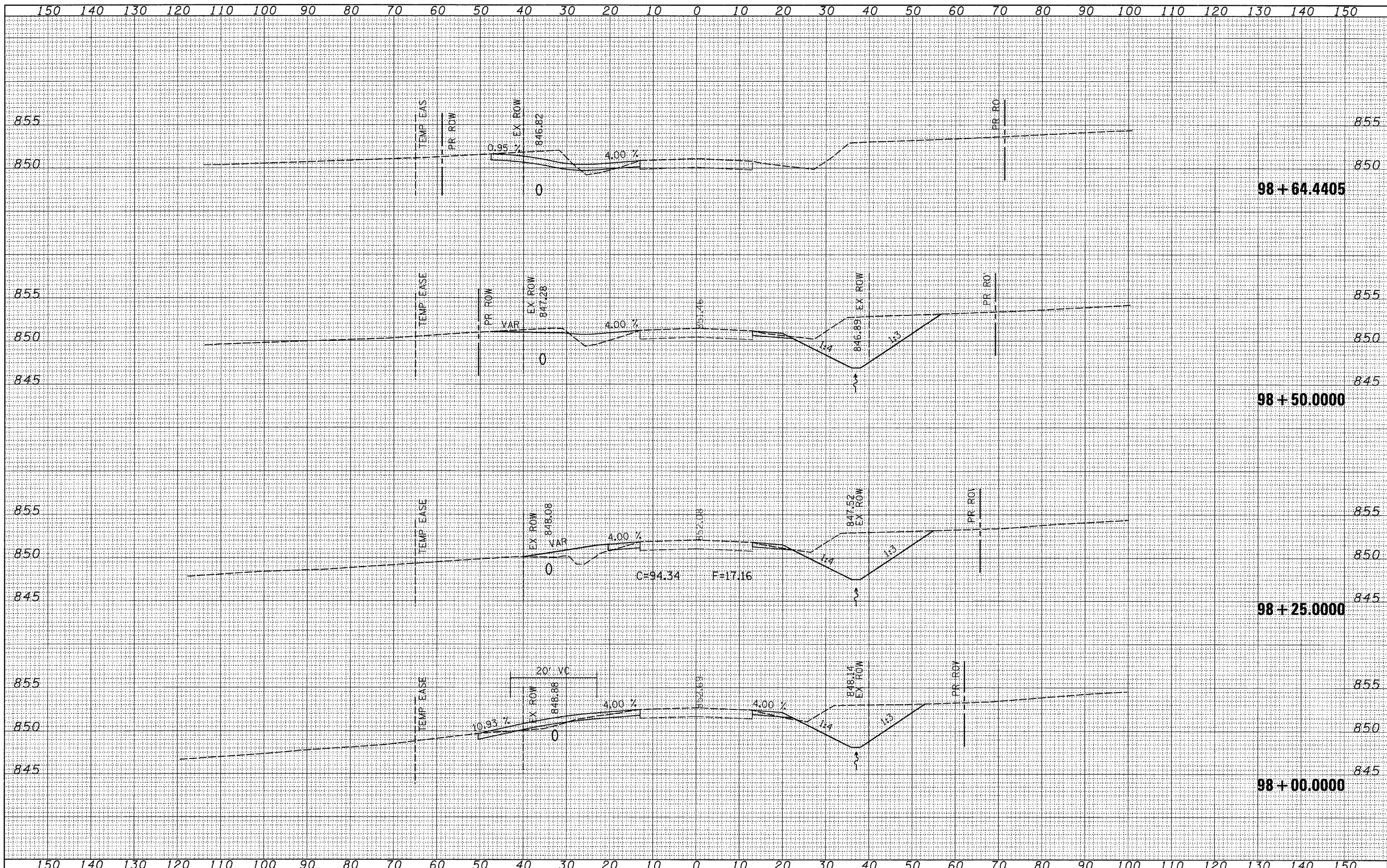
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 97+00.000 TO STA. 97+75.000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	101T	OGLE	39	26
CONTRACT NO. 64C36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	

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ORIGINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	



FILE NAME = c:\projects\p207906\j07906.xml.dgn
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DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

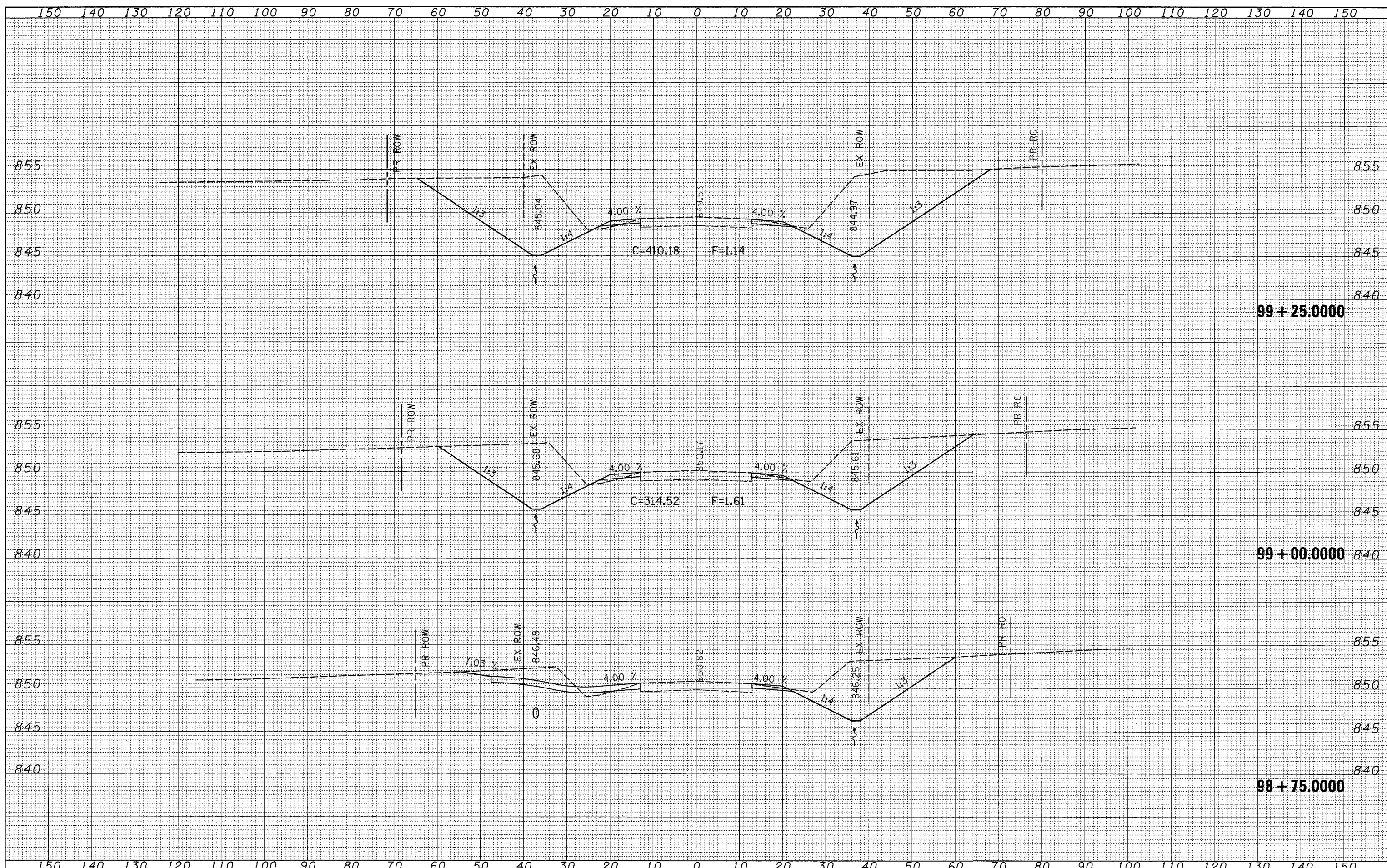
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 98+00.0000 TO STA. 98+64.4405

F.A.P. RTE. 17	SECTION 101T	COUNTY OGLE	TOTAL SHEETS 39	SHEET NO. 27
CONTRACT NO. 64C36				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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FINAL SURVEY	
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PLOTTED	
TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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USER NAME = meglj
 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = Tue Dec 04 15:42:44 2007

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

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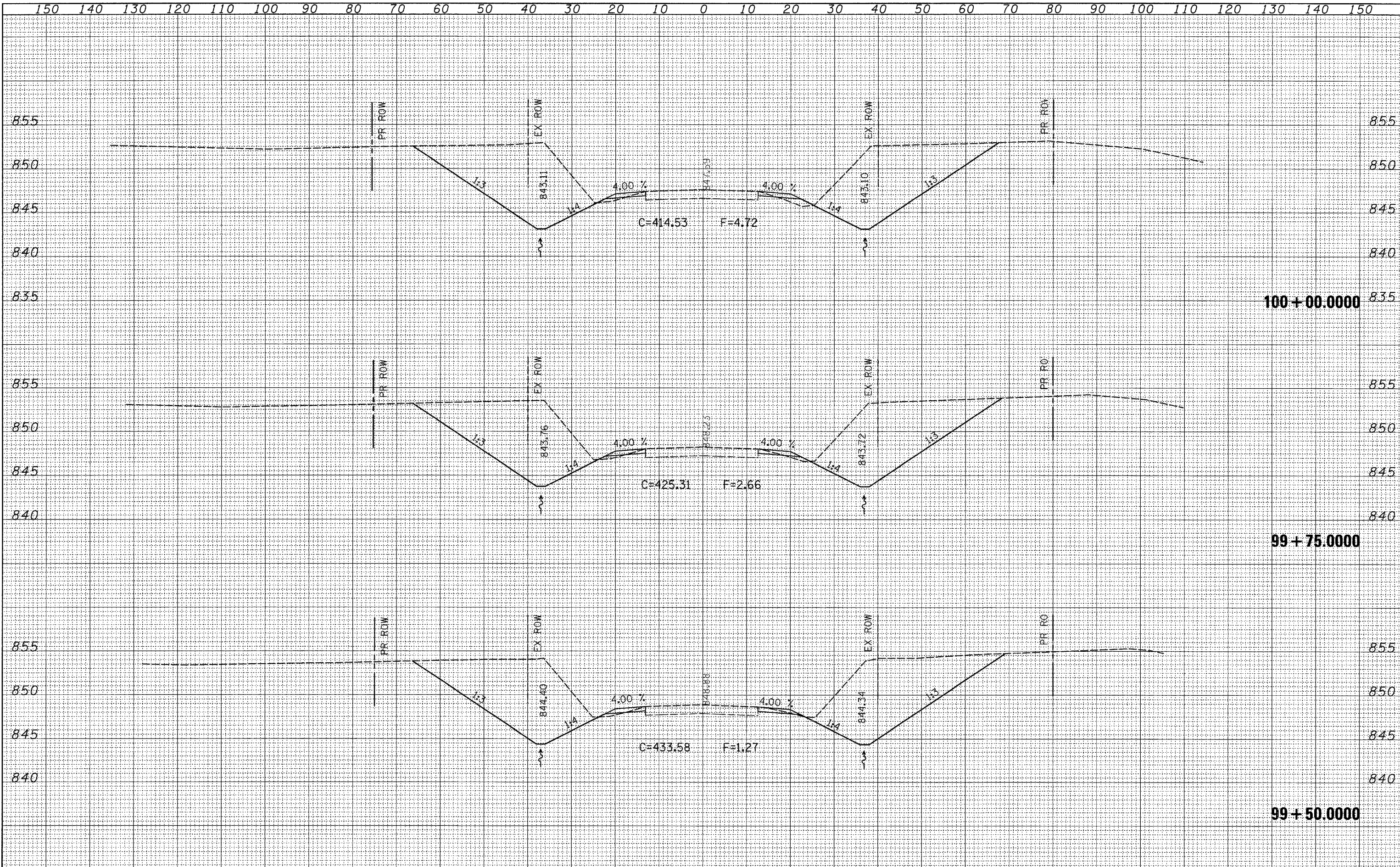
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 98+75.0000 TO STA. 99+25.0000

F.A.P. RTE. 17	SECTION 101T	COUNTY OGLE	TOTAL SHEETS 39	SHEET NO. 28
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 64C36	

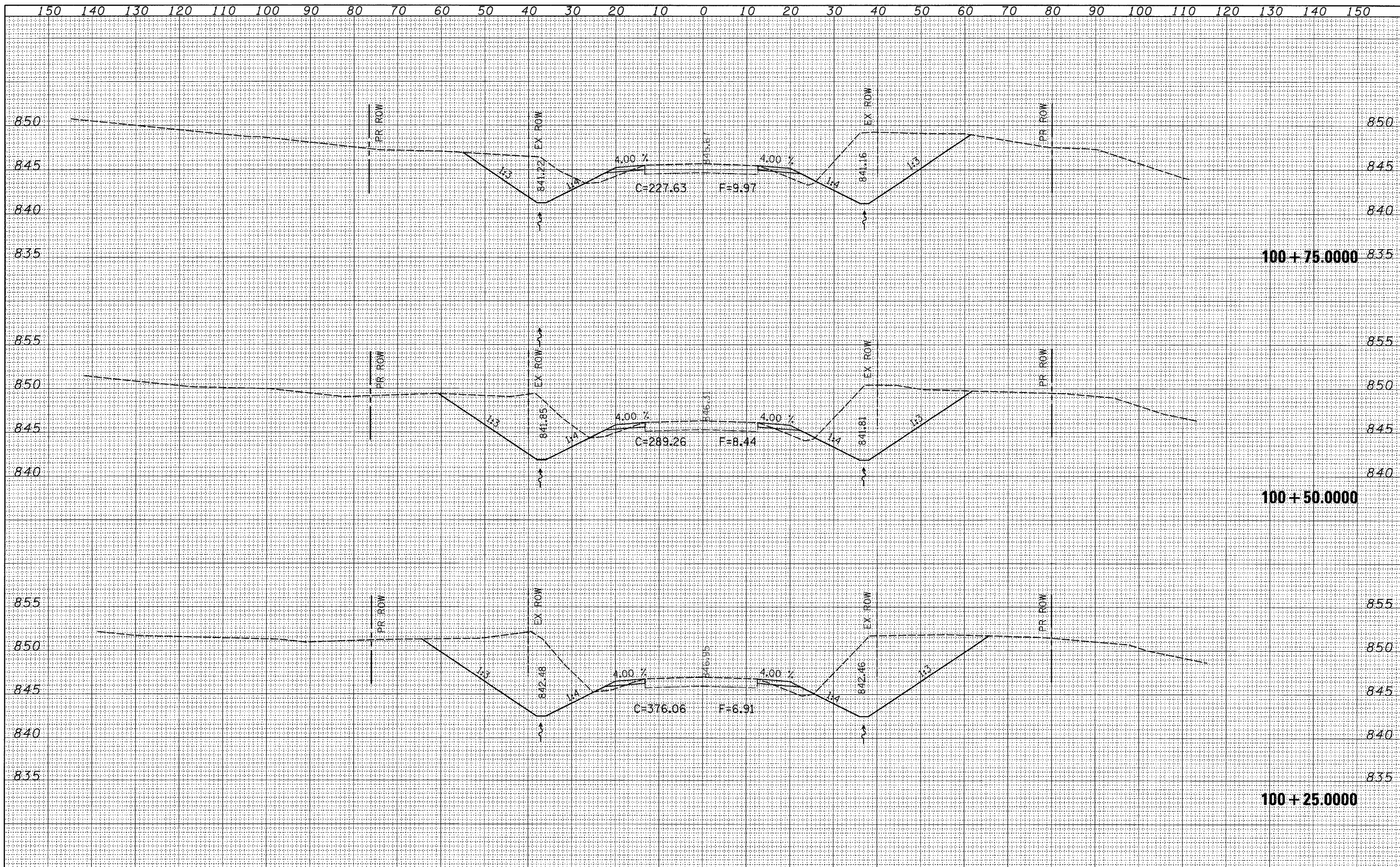
DATE _____
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 SURVEYED _____
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 NOTE BOOK _____
 AREAS CHECKED _____
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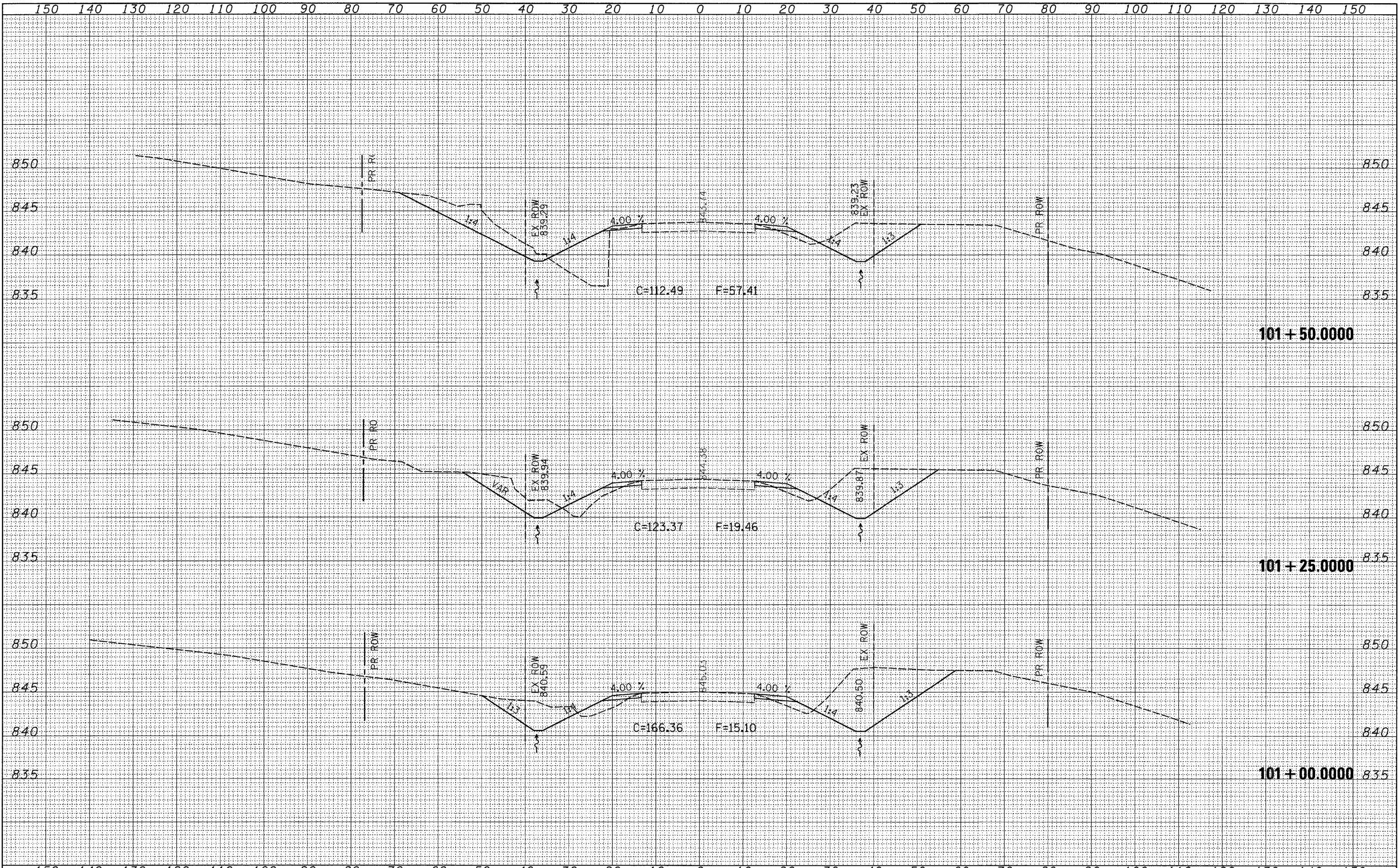
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 AREAS CHECKED _____
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 SURVEYED _____
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 NOTE BOOK _____
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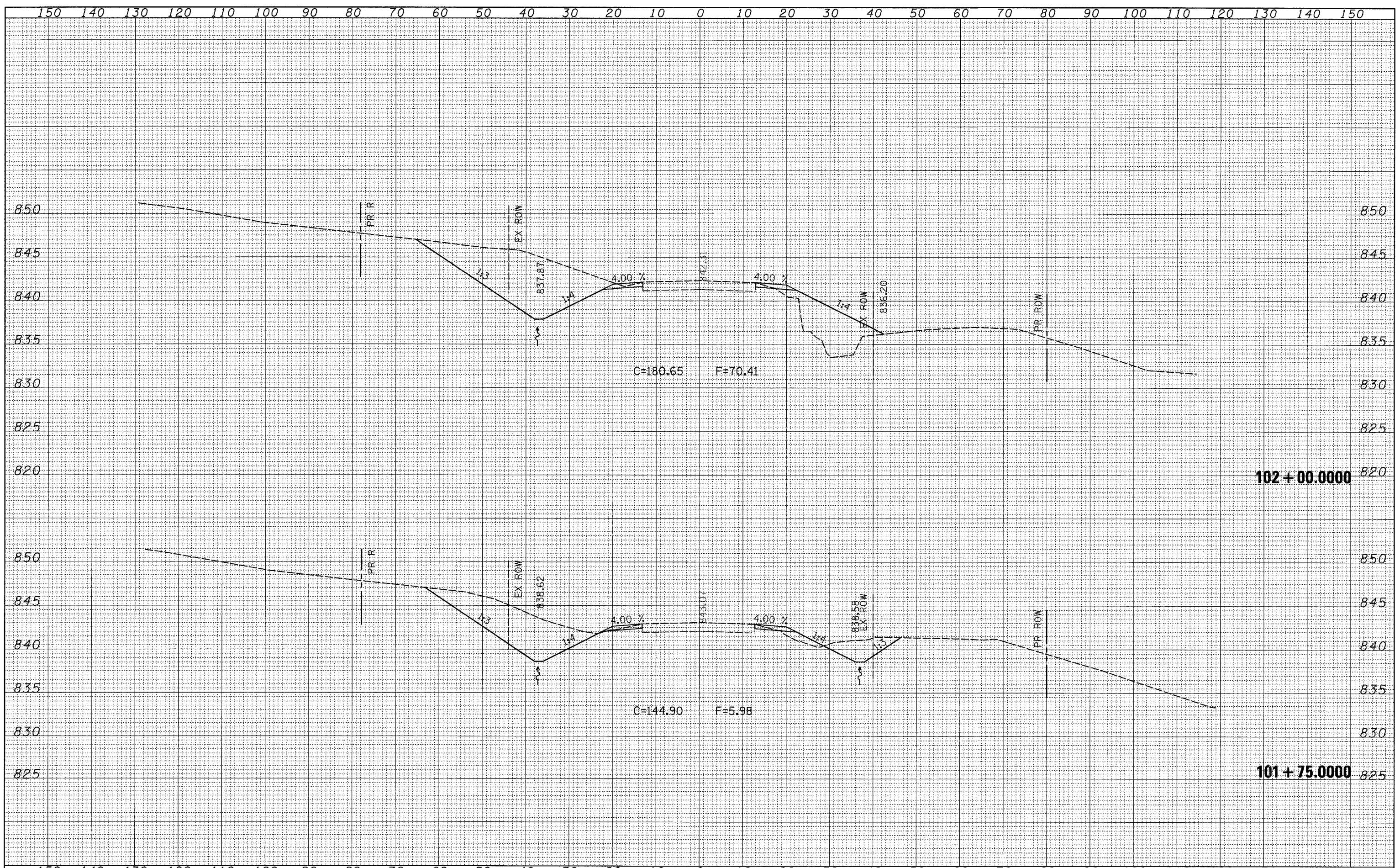
DESIGNED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: _____ SHEET NO. _____ OF _____ SHEETS
 STA. 101+00.0000 TO STA. 101+50.0000

F.A.P. RTE. 17	SECTION 101T	COUNTY OGLE	TOTAL SHEETS 39	SHEET NO. 31
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64C36	



DATE	
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SURVEYED	
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NOTE BOOK	
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AREAS CHECKED	

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USER NAME = meglj

PLOT SCALE = 10.0000' / IN.

PLOT DATE = Tue Dec 04 15:42:45 2007

DESIGNED -	REVISED -
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DATE -	REVISED -

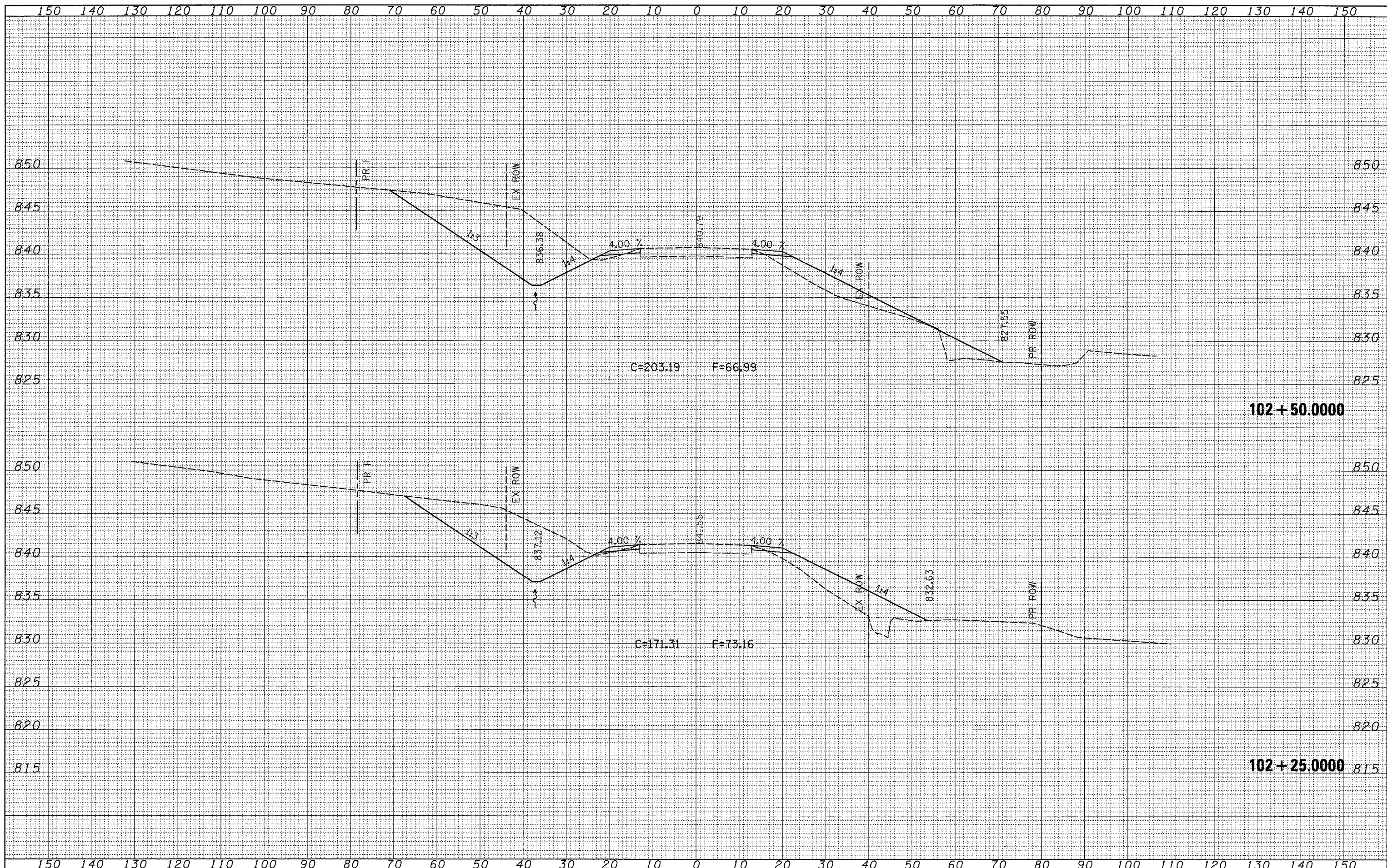
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 101+75.0000 TO STA. 102+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	101T	OGLE	39	32
CONTRACT NO. 64C36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = c:\projects\p207906\107906.mxd
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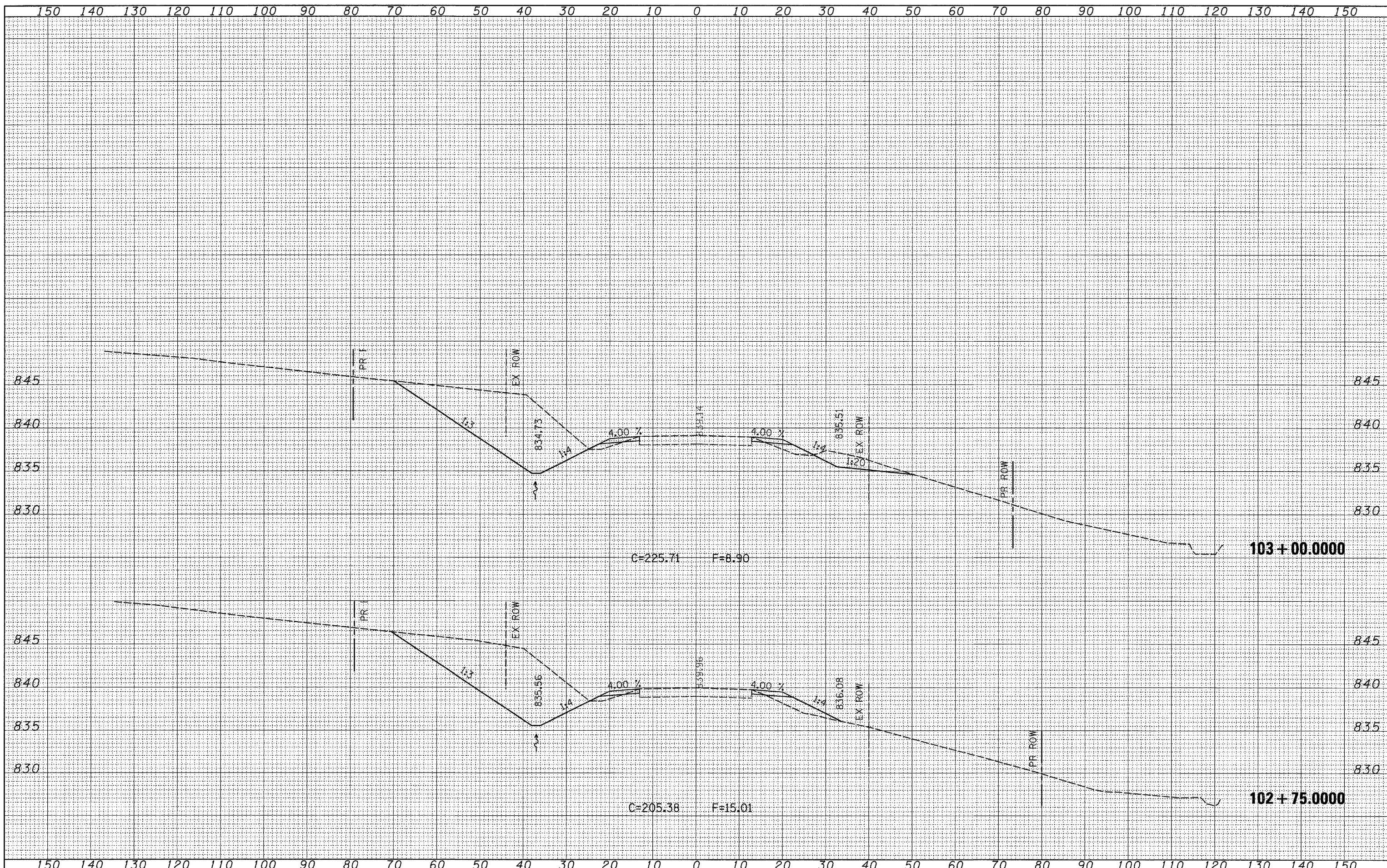
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 102+25.0000 TO STA. 102+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	101T	OGLE	39	33
CONTRACT NO. 64C36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
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SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



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 PLOT DATE = Tue Dec 04 15:42:45 2007

DESIGNED -	REVISED -
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CHECKED -	REVISED -
DATE -	REVISED -

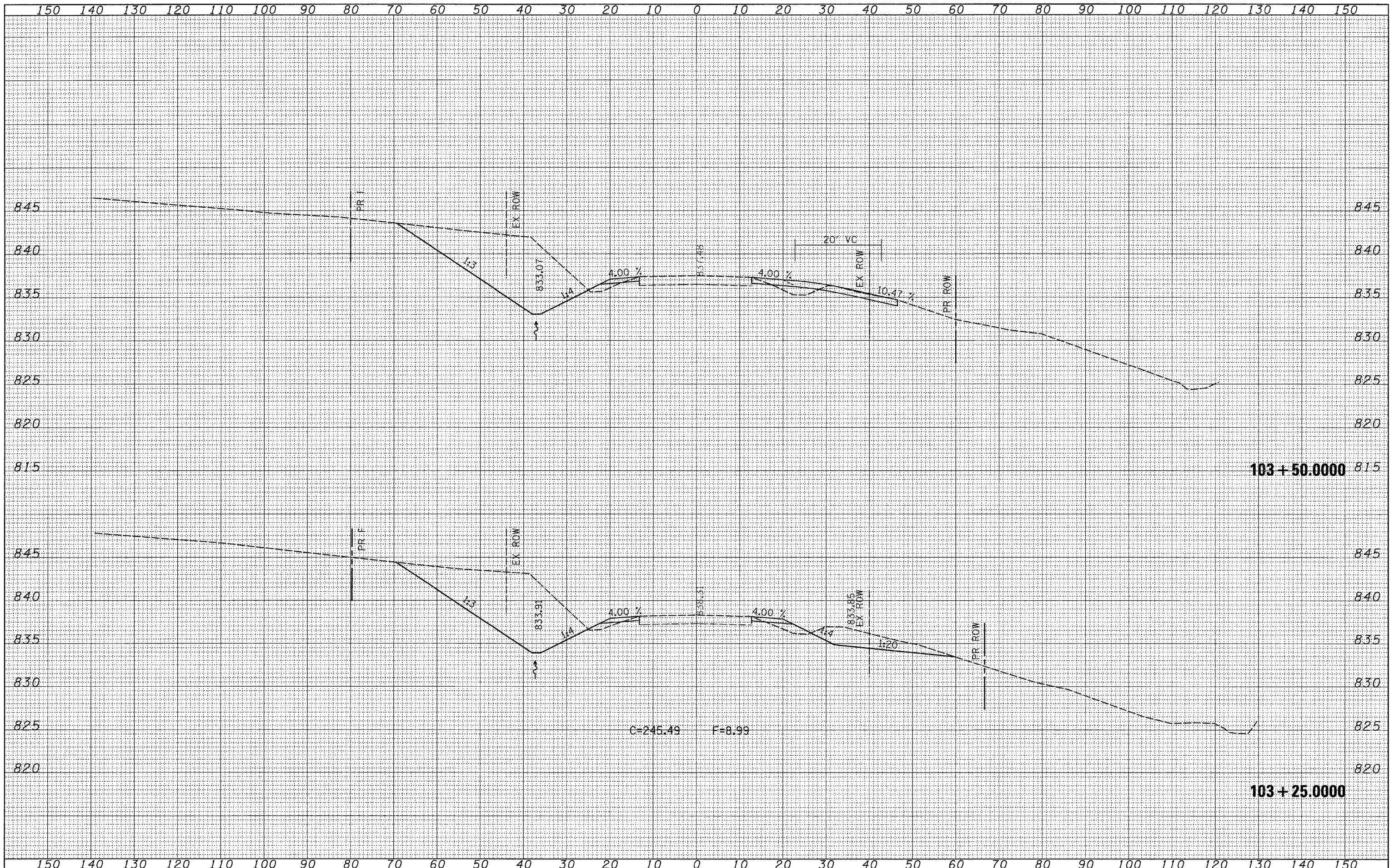
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET NO. OF SHEETS	STA. 102+75.0000 TO STA. 103+00.0000
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F.A.P. RTE. 17	SECTION 101T	COUNTY OGLE	TOTAL SHEETS 39	SHEET NO. 34
CONTRACT NO. 64C36				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

DATE	
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SURVEYED	
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TEMPLATE	
NOTE BOOK	
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DATE	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



103 + 50.0000

103 + 25.0000

FILE NAME =
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USER NAME = meg11j
 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = Tue Dec 04 15:42:46 2007

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

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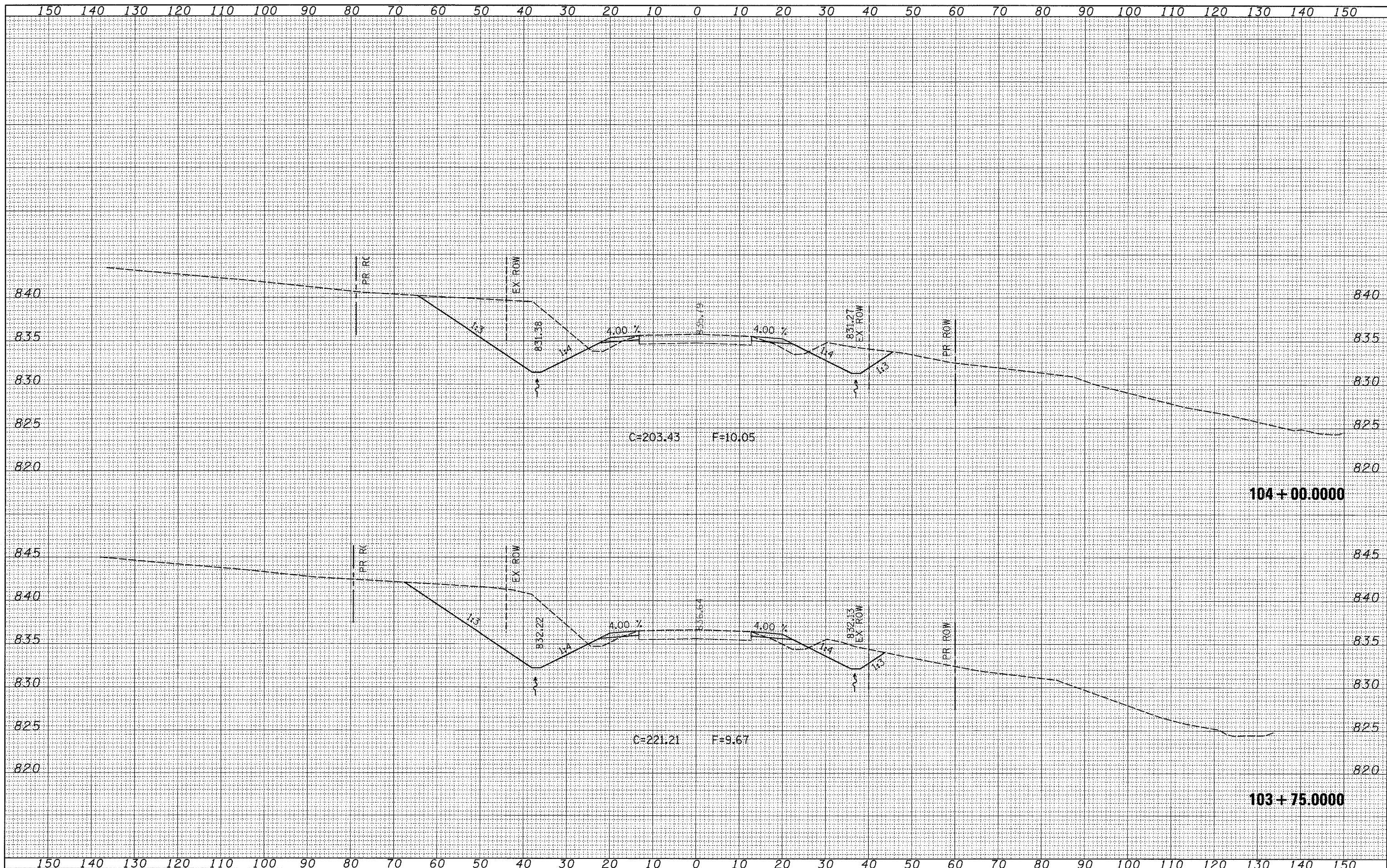
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET NO. OF SHEETS STA. 103+25.0000 TO STA. 103+50.0000

F.A.P. RTE. 17	SECTION 101T	COUNTY OGLE	TOTAL SHEETS 39	SHEET NO. 35
CONTRACT NO. 64C36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



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

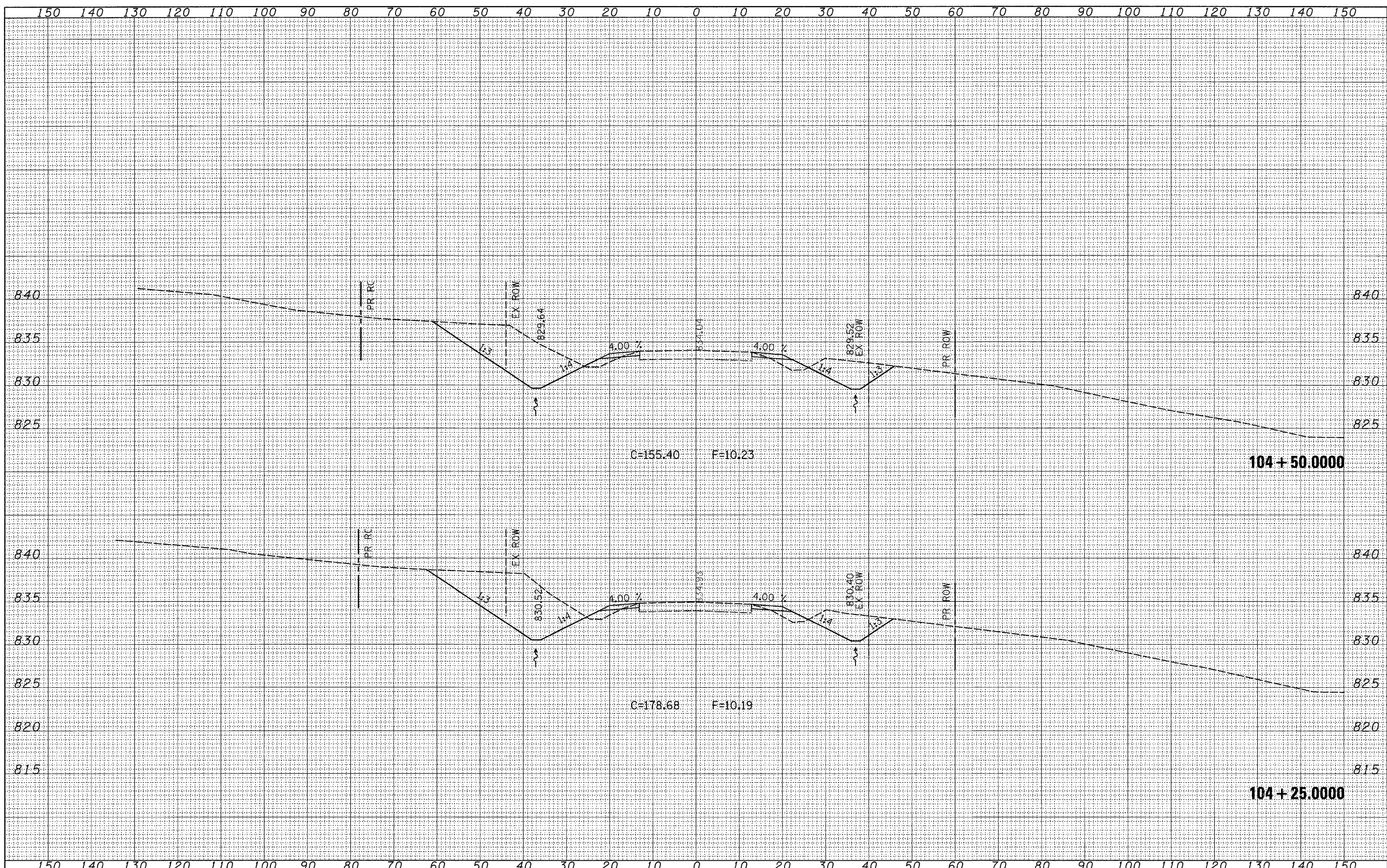
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 103+75.0000 TO STA. 104+00.0000

F.A.P. RTE. 17	SECTION 101T	COUNTY OGLE	TOTAL SHEETS 39	SHEET NO. 36
CONTRACT NO. 64C36				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

DATE	
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SURVEYED	
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NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	



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DESIGNED -
 DRAWN -
 CHECKED -
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REVISED -
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 REVISED -

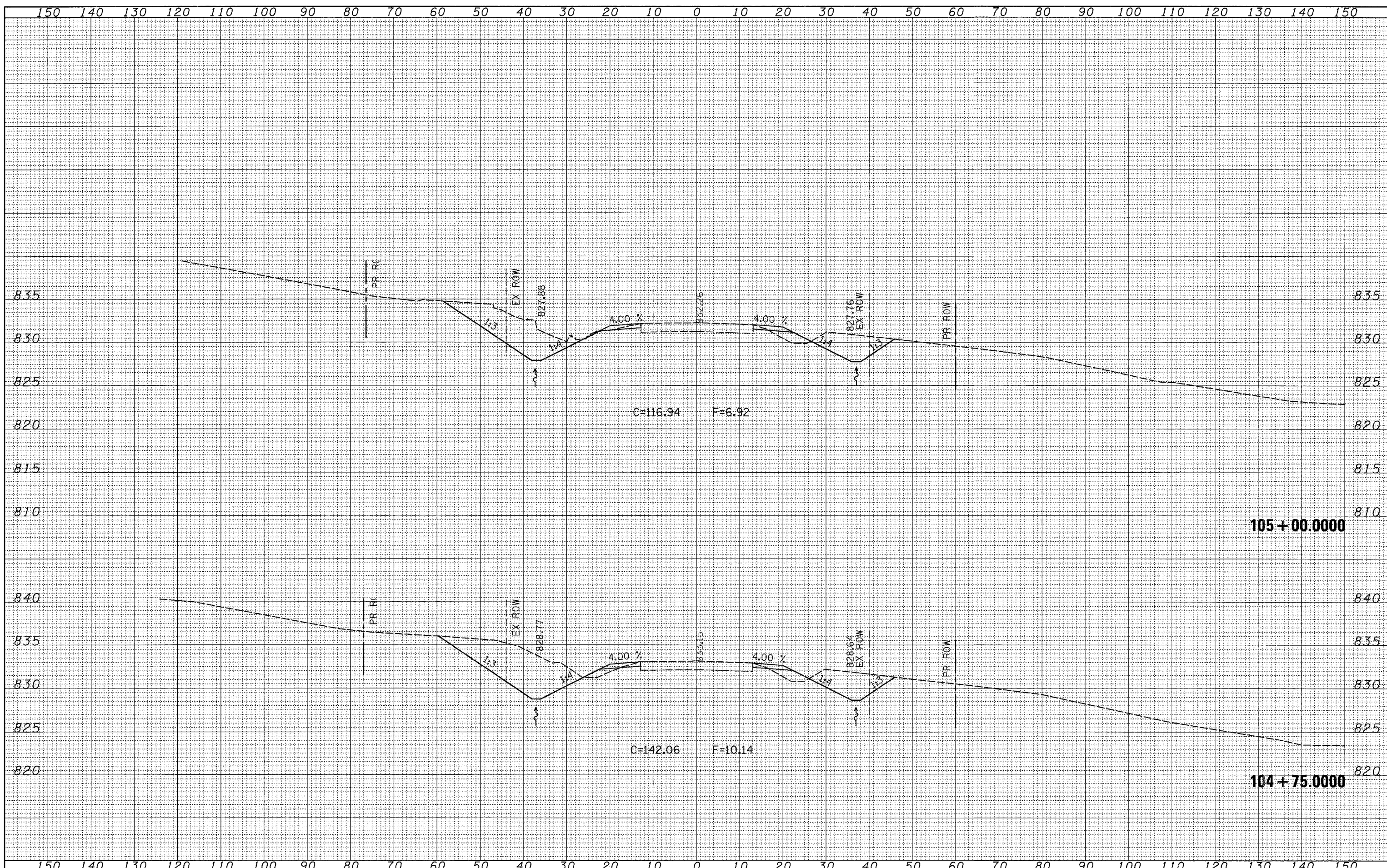
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 104+25.0000 TO STA. 104+50.0000

F.A.P. RTE. 17	SECTION 101T	COUNTY OGLE	TOTAL SHEETS 39	SHEET NO. 37
CONTRACT NO. 64C36				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

FINAL SURVEY SURVEYED SURVEY PLOTTED TEMPLATE NOTE BOOK NO. AREAS CHECKED

ORIGINAL SURVEY SURVEYED SURVEY PLOTTED TEMPLATE NOTE BOOK NO. AREAS CHECKED



FILE NAME = c:\projects\p207906\d07906.xml.dgn

USER NAME = meglilj
 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = Tue Dec 04 15:42:47 2007

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

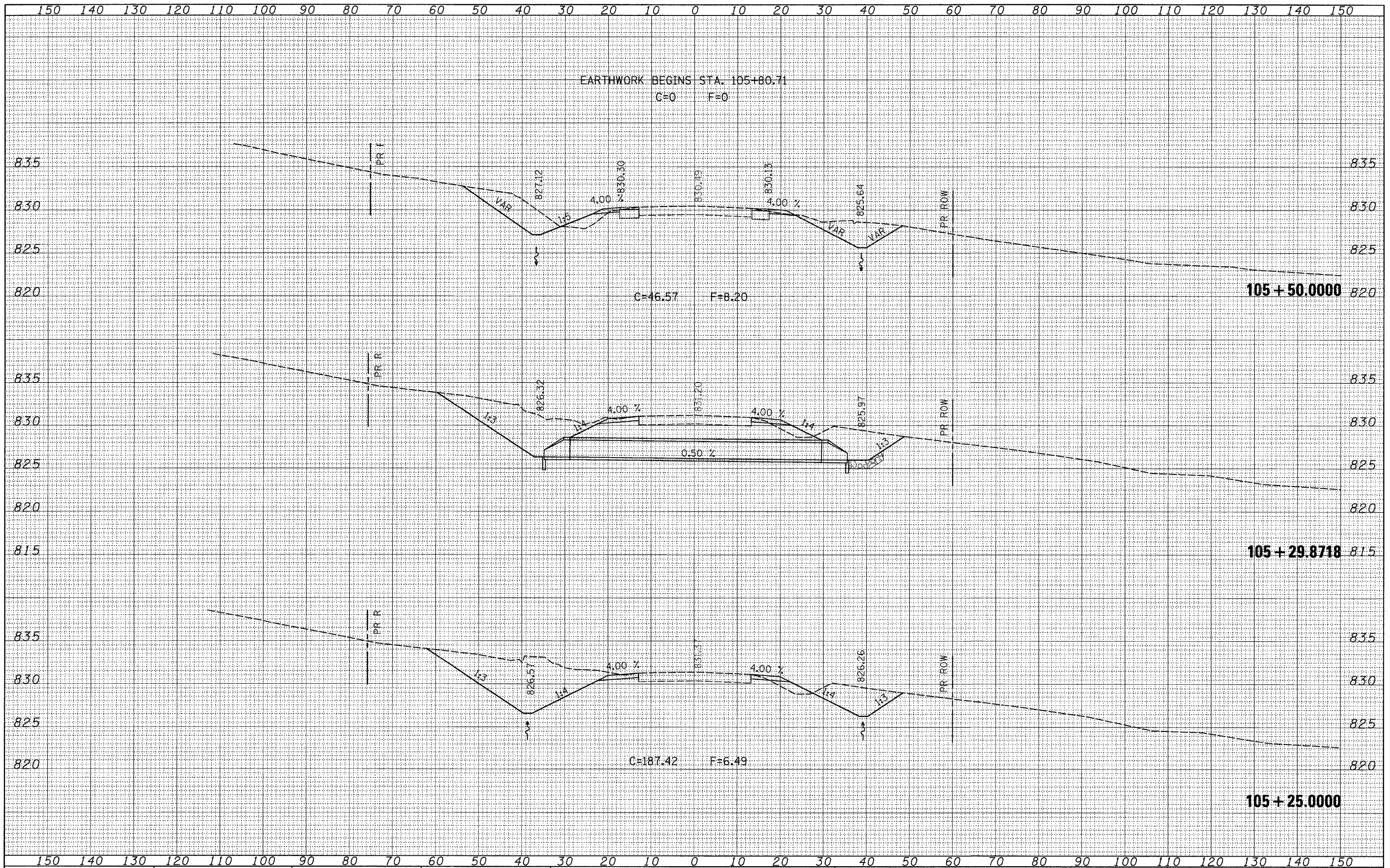
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: SHEET NO. OF SHEETS STA. 104+75.0000 TO STA. 105+00.0000

F.A.P. RTE. 17	SECTION 101T	COUNTY OGLE	TOTAL SHEETS 39	SHEET NO. 38
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64C36	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME =
 c:\projects\p207906\d07906.xml.dgn

USER NAME = megl1j
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DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 105+25.0000 TO STA. 105+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	101T	OGLE	39	39
CONTRACT NO. 64C36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				