

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	1
		ILLINOIS	CONTRACT NO. 64E34	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

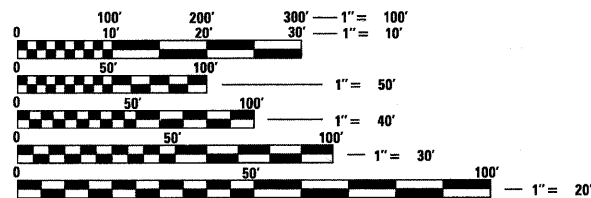
FAP ROUTE 754 (IL 76)
SECTION 101M-1
PROJECT HSIP-0754(011)
INTERSECTION IMPROVEMENT
BOONE COUNTY

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HIGHWAY STANDARDS

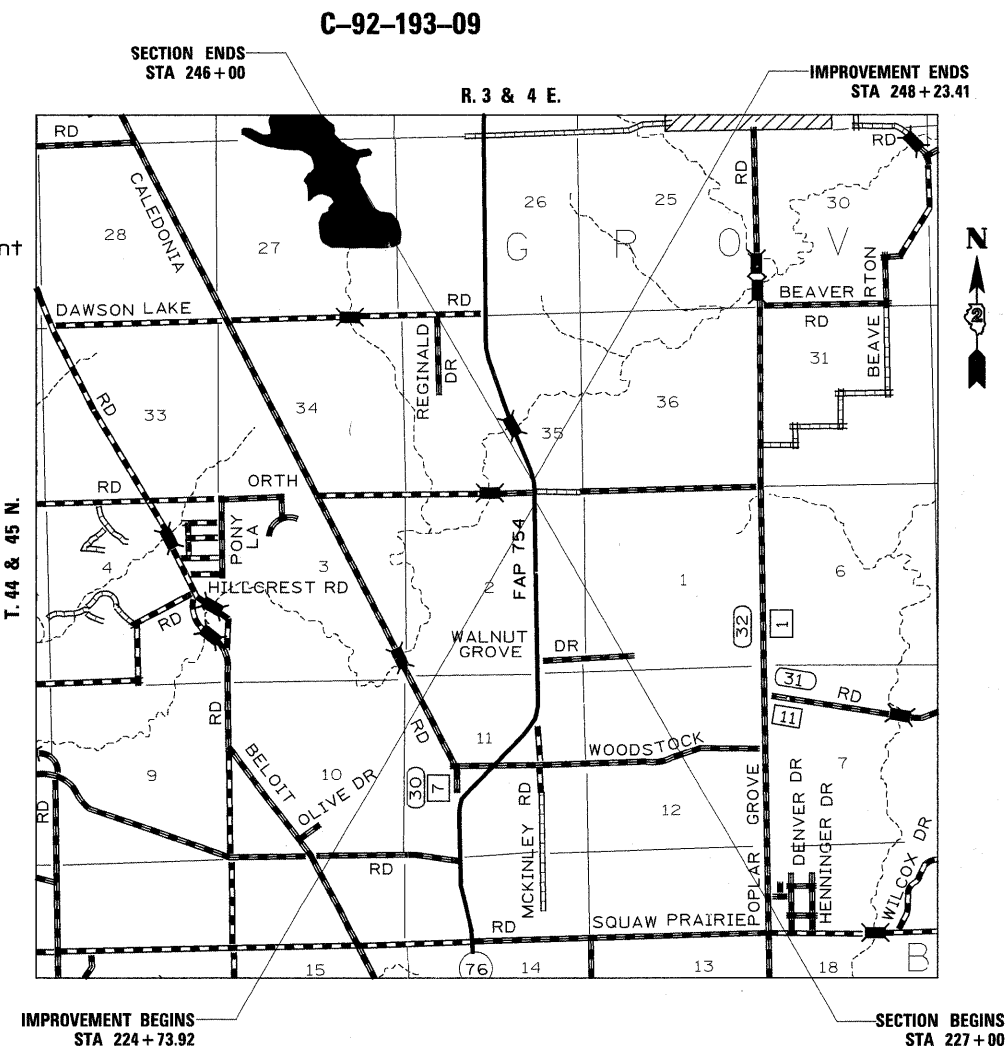
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FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER : AHMAD EL-AHMAD (815)-284-5944
PROJECT MANAGER : MASOOD AHMAD
 BELVIDERE TOWNSHIP : SECTION 2
 POPLAR GROVE TOWNSHIP : SECTION 35
CONTRACT NO. 64E34



GROSS LENGTH OF SECTION = 1900 FT = 0.359 MILE
NET LENGTH OF SECTION = 1900 FT = 0.359 MILE

D-92-089-08



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED June 9 2010
George F. Ryan
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

August 13 2010
Scott E. Stitt, P.E.
 acting ENGINEER OF DESIGN AND ENVIRONMENT

August 13 2010
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS
DISTRICT 2, DIXON

GENERAL NOTES

See cross sections for special ditches and backslopes.

The removal of Bituminous Surfacing not on a rigid type base removed in conjunction with the base shall be removed as EARTH EXCAVATION. The removal of Bituminous Surfacing on a rigid type base removed in conjunction with the base shall be included in the contract unit price for PAVEMENT REMOVAL of the type specified.

The topsoil excavation quantities have been adjusted to allow for 25% shrinkage of topsoil furnished and placed.

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. **(Include the following sentence ONLY if seeding is less than 0.2 Hectares (0.5 Ac.)** This work will be included in the contract unit price per Cubic Meter (Cubic Yard) for EARTH EXCAVATION.

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. Impervious material shall be used on the outer 3 feet of each end of the culvert. 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.

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.

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 existing hot-mix asphalt on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. This could be the entire entrance or tapered at the end depending on if the mainline is resurfaced or milled and resurfaced. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Full Depth Pavement Surface	Upper Lift/Full Depth Binder & Temporary Pavement	Lower Lift/Full Depth Binder	Sideroad Surface & Top Lift Shoulder	Lower Lift Shoulder
PG:	PG 64-28	PG 64-28	PG 64-22	PG 58-22	PG 58-22
Design Air Voids	4.0 @ N70	4.0 @ N70	4.0 @ N70	3.0 @ N50	2.0 @ N50
Mixture Composition (Gradation Mixture)	IL9.5 or 12.5	IL 9.5	IL 19.0	IL 9.5 or 12.5	BAM
Friction Aggregate	D	N/A	N/A	C	N/A
20 Year ESAL	5.1	5.1		N/A	

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

On full depth pavement, shoulder widths of 1.8 m (6 ft.) or less may be placed, at the Contractor's option, simultaneously with the adjacent traffic lane for both the binder and surface courses, provided the cross slope of both the pavement and shoulder can be satisfactorily obtained. The shoulder will be paid for at the contract unit price per Square Meter (Square Yard) for HOT-MIX ASPHALT SHOULDERS of the thickness specified on the plans.

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

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

It is anticipated that several mailboxes will require relocation to the approach side of the entrances. When this is done, the contractor shall be required to mount the mailbox on a 100 mm x 100 mm (4" x 4") wood post 1 m (40 inches) above the shoulder surface and extending to a minimum of 0.6 m (24 inches) into the embankment. This work shall be included in the contract unit price for the EARTH EXCAVATION. There are an estimated 2 mailboxes to be relocated.

Noses of curbed corner islands noted as 1 & 2 on Highway Standard 606301 shall be ramped unless the curb function is for the protection of pedestrians, signals, light standards or sign truss supports.

Use M-15.15 (M-6.06) or M-10.15 (M-4.06) curb and gutter on all sides of islands when island is offset shoulder width, but offset should not be greater than 2.4 m (8 feet) edge to face.

Use M-10 (M-4) curb on islands when located adjacent to high-speed traffic (80 km/h [50 mph] or greater), except use M-15 (M-6) on islands where traffic signals supports, sign truss supports, or any other post with a foundation generally larger than a standard highway sign is proposed. A stop sign is a standard highway sign.

On large and intermediate islands, the variable curb and gutter flag will be paid for as Combination Concrete Curb and Gutter Type M-15.60 (M6.24).

Rural minimum island area = 9.3 m² (100 feet²).

Urban island area = usually 7.0 m² (75 feet²) but not less than 4.7 m² (50 feet²).
(Island area includes the concrete median surface and the curb.)

The Contractor shall install a 450 mm (18") diameter formed opening in the Concrete Median Surface of the Island as directed by the Engineer. Also, a 75 mm (4") diameter formed opening shall be installed in each corner of the Island 300 mm (1 foot) behind the back of curb. All existing pavement surfaces of other existing obstructions beneath these openings shall be removed by the Contractor. After the median is in place the 450 mm (18") opening shall be cored down 1.2 m (4') and filled with dirt. All costs incurred shall be included in the contract unit price per Square Meter (Square Foot) for CONCRETE MEDIAN SURFACE, 100 mm (4 INCH).

The islands on this project are small islands as shown on the Detail of Island sheet in the plans.

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.

FILE NAME = 64E34 GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -	REVISED -			FAP 754	10M-1	Boone	74	2
	PLOT DATE = 3/17/2010 8:01 AM	DATE - 11/13/2009 2:14 PM	REVISED -			(IL 76)		CONTRACT NO. 64E34		
								ILLINOIS	FED. AID PROJECT	

GENERAL NOTES

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: ___ 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 Contractor shall begin fence erection as soon as clearing operations permit. Before removing existing fence from an area that contains livestock, the Contractor shall erect, along the proposed right of way lines, a temporary fence or wire meeting the approval of the Engineer. The Contractor shall concentrate his permanent fencing operations at these locations and at other specific locations as directed by the Engineer. The cost of arranging work as herein specified and erecting any temporary fencing will not be paid for as a separate item but shall be included in the contract unit price per Meter (Foot) for WOVEN WIRE FENCE AND/OR CHAIN LINK FENCE.

Tree planting layout shall be performed by the District Landscape Architect. Mulch shall be placed 4" thick and 5' wide 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.

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

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

Commonwealth Edison Co.	Verizon
NICOR Gas Co.	Comcast
Mediacom	

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.

Fifty (50) tons of Aggregate Base Course, Type B are added in the plans and shall be used for temporary access at private entrance located at Rt. Sta. 513+95.10. The cost shall be included in the cost per Ton for AGGREGATE BASE COURSE, TYPE B.

The Contractor shall contact the property owners and maintain reasonable access for private entrance located at Rt. Sta. 229+60 and field entrance located at Rt. Sta. 243+50.

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						SCALE	SHEET NO.	OF	SHEETS	STA.	TO STA.

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNITS	TOTAL QUANTITY	90% FEDERAL 10% STATE 1 000-1A
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	200	200
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	165	165
20100500	TREE REMOVAL, ACRES	ACRE	0.65	0.65
20200100	EARTH EXCAVATION	CU YD	26951	26951
20400800	FURNISHED EXCAVATION	CU YD	832	832
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	16138	16138
25000210	SEEDING, CLASS 2A	ACRE	1.75	1.75
25000310	SEEDING, CLASS 4	ACRE	1.75	1.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	315	315
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	315	315
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	315	315
25000750	MOWING	ACRE	1.75	1.75
25100630	EROSION CONTROL BLANKET	SQ YD	4799	4799
25100900	TURF REINFORCEMENT MAT	SQ YD	856	856
25100115	MULCH, METHOD 2	ACRE	3.5	3.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1752	1752
28000305	TEMPORARY DITCH CHECKS	FOOT	714	714
28000400	PERIMETER EROSION BARRIER	FOOT	610	610
28000500	INLET AND PIPE PROTECTION	EACH	7	7
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	9912	9912
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	1187	1187
31100935	SUB-BASE GRANULAR MATERIAL, TYPE A 18"	SQ YD	1916	1916
31100965	SUB-BASE GRANULAR MATERIAL, TYPE A 24"	SQ YD	9385	9385
35101400	AGGREGATE BASE COURSE, TYPE B	TON	620	620
40600200	BITUMIOUS MATERIALS (PRIME COAT)	TON	4	4
40600300	AGGREGATE (PRIME COAT)	TON	20	20
40600990	TEMPORARY RAMP	SQ YD	89	89
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	366	366
40701931	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/2"	SQ YD	9171	9171
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	641	641
44000100	PAVEMENT REMOVAL	SQ YD	4767	4767
44004250	PAVED SHOULDER REMOVAL	SQ YD	3333	3333
48101200	AGGREGATE SHOULDERS, TYPE B	TON	337	337
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	3333	3333
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	310	310
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	41	41
5421D015	PIPE CULVERTS, CLASS D, TYPE 1 15" (TEMPORARY)	FOOT	100	100
5421D024	PIPE CULVERTS, CLASS D, TYPE 1 24" (TEMPORARY)	FOOT	24	24
54213450	END SECTIONS 15"	EACH	12	12
54213459	END SECTIONS 24"	EACH	2	2
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	79	79
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	124	124
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	430	430
63500105	DELINEATORS	EACH	2	2

* specialty Items
 ** Non-Participating Item (100% STATE)

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 64E34								
	PLOT DATE = Mon Mar 22 10:40:10 2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNITS	TOTAL QUANTITY	90% FEDERAL 10% STATE 1 000-1A
66500105	WOVEN WIRE FENCE, 4'	FOOT	2015	2015
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	41	41
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70100200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701331	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	6	6
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	380	380
70300220	TEMPORARY PAVEMENT MARKING-LINE 4"	FOOT	21008	21008
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	126	126
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2175	2175
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2087	2087
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	124.8	124.8
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	17463	17463
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1108	1108
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	569	569
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	60	60
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	148	148
78300100	PAVEMENT MARKING REMOVAL	SQ FT	3517	3517
81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	75	75
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	62	62
83600100	LIGHT POLE FOUNDATION	EACH	1	1
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1	1
89501510	RELOCATE EXISTING FLASHING BEACON	EACH	2	2
* A2000114	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	20	20
* A2006714	TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	20	20
* B2004114	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	20	20
* B2004814	TREE, MALUS SARGENTII (SARGENT CRABAPPLE) 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	10	10
X0325335	CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC	FOOT	20	20
Z0001062	DRAIN FOR AGGREGATE BASE COURSE	SQ YD	36	36
Z0062456	TEMPORARY PAVEMENT	SQ YD	3304	3304
X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	3304	3304
X5015200	REMOVE EXISTING CULVERTS	EACH	2	2
X7013015	TRAFFIC CONTROL FOR ROAD CLOSURE	L SUM	1	1
X8950077	REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER	EACH	1	1
Z0007 601	BUILDING REMOVAL NO. 1	L SUM	1	1
Z0050900	REMOVE CONCRETE FOUNDATION	EACH	1	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	1187	1187
Z0030250	IMPACT ATTENUATORS TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4
Z0030350	IMPACT ATTENUATORS RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4
X0326955	REMOVE AND RELOCATE EXISTING ELECTRICAL SERVICE	EACH	1	1

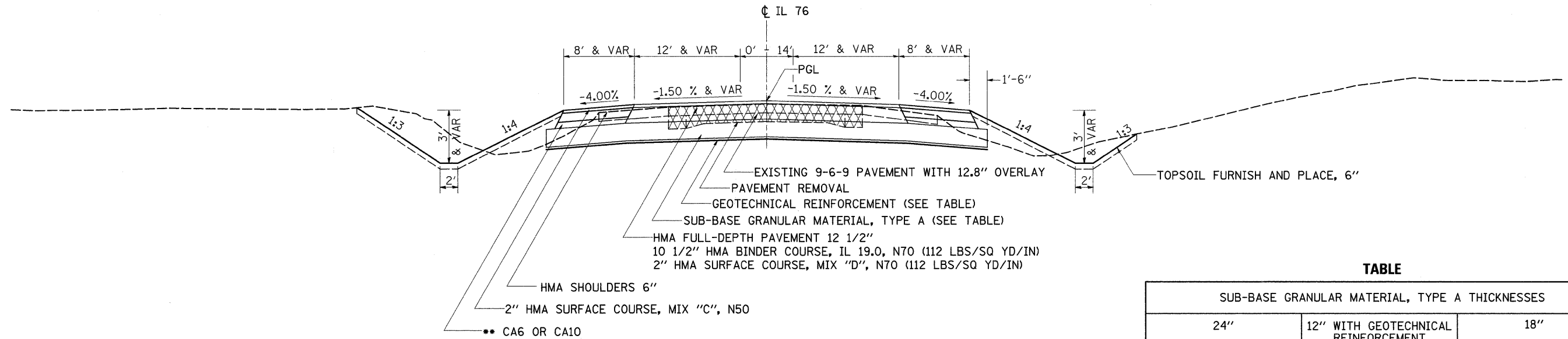
* Specialty Items
** Non-Participating Item

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ca\pw_work\pwork\goffjl\dms85448\g08908	apl.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	754	101M-1	BOONE	74	5
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -						CONTRACT NO. 64E34						
	PLOT DATE = Mon Mar 22 10:40:11 2010	DATE -	REVISED -						ILLINOIS FED. AID PROJECT						

TYPICAL SECTIONS

PROPOSED TYPICAL SECTION - IL RTE 76

STA 227+00 - STA 232+87.43
STA 243+39.38 - STA 246+00

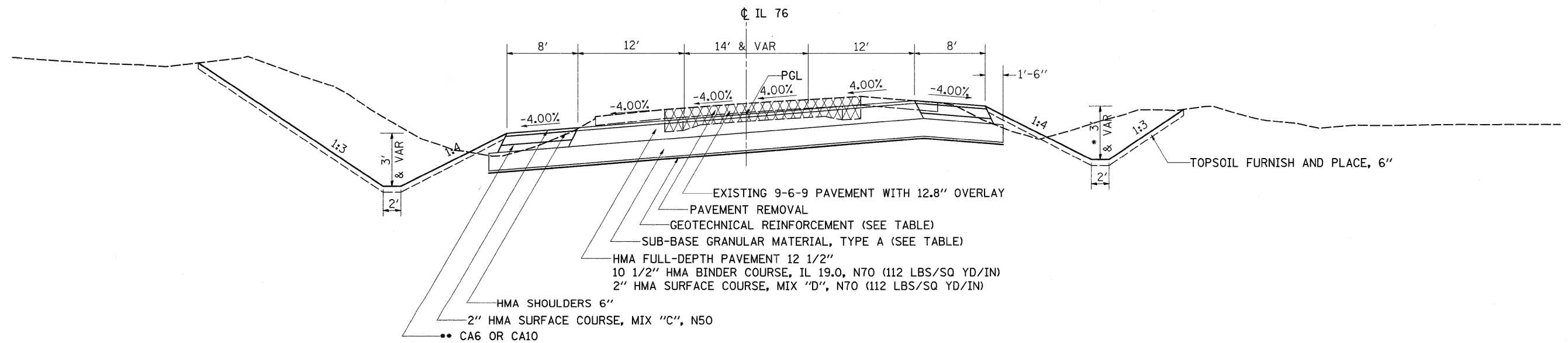


TABLE

SUB-BASE GRANULAR MATERIAL, TYPE A THICKNESSES		
24"	12" WITH GEOTECHNICAL REINFORCEMENT	18"
STATIONS 227+00 - 232+87 & 235+50 - 244+50	STATIONS 232+87 - 235+50	STATIONS 244+50 - 246+00

PROPOSED TYPICAL SECTION - IL RTE 76

STA 232+87.43 - STA 243+39.38

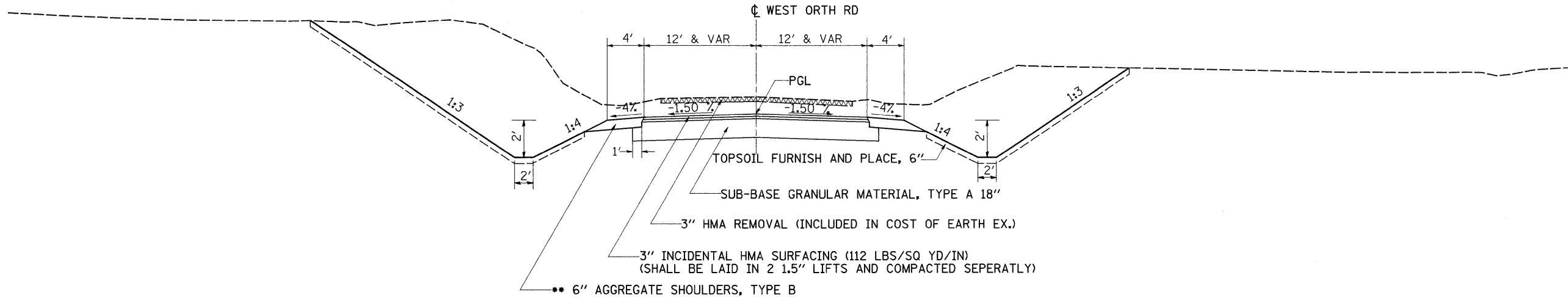


* NO DITCH RT STA 233+50 - RT STA 237+00
** INCLUDED IN THE COST OF HMA SHOULDERS

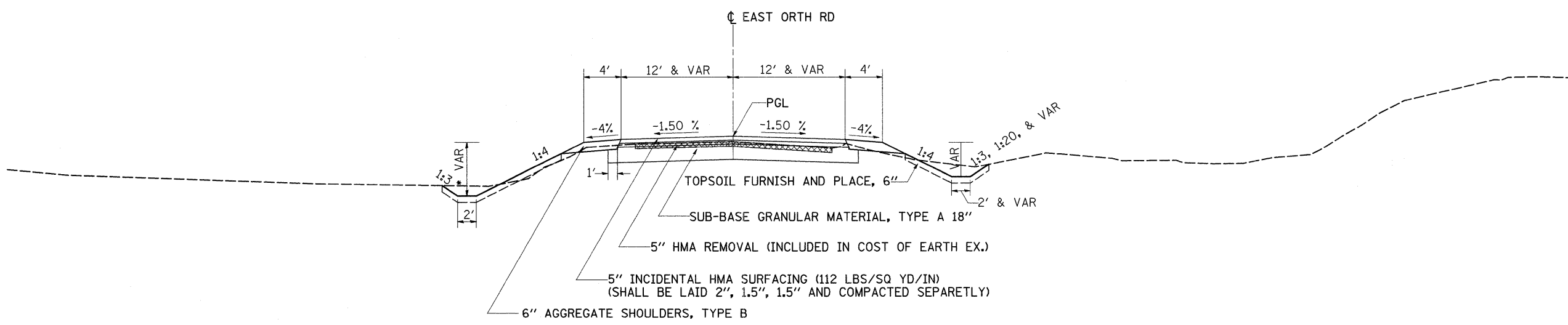
FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
ct:\pw_work\PWIDOT\GOFFJL\dms85434\d089	8ttyp.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	754	101M-1	BOONE	74	6
		PLOT SCALE = 50.0000' / IN.	CHECKED -											
		PLOT DATE = Tue Mar 09 10:18:15 2010	DATE -		REVISED -									
										CONTRACT NO. 64E34			ILLINOIS FED. AID PROJECT	

TYPICAL SECTIONS

PROPOSED TYPICAL SECTION - WEST ORTH RD
 STA 508+70 - STA 513+49.15



PROPOSED TYPICAL SECTION - EAST ORTH RD
 STA 517+40.17 - STA 521+50



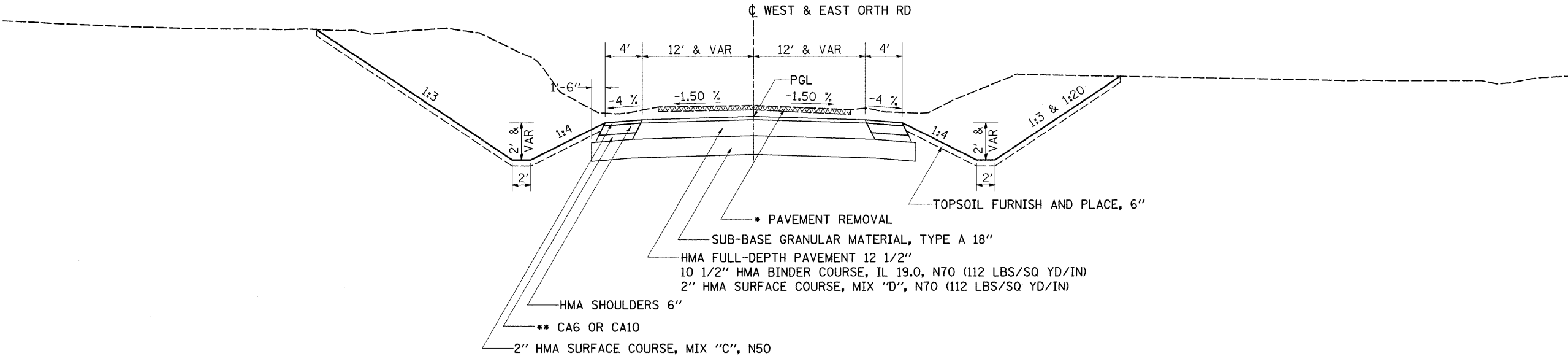
* NO DITCH LT STA 518+50 - LT STA 521+50
 ** HMA SHOULDERS 6" LT STA 512+90.75 - LT STA 513+49.15

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pr-work\PWIDOT\GOFFJL\dms85434\d0898.tpp.dgn		DRAWN -	REVISED -		754	101M-1	BOONE	74	7			
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 64E34							
PLOT DATE = Tue Mar 09 10:18:15 2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			

TYPICAL SECTIONS

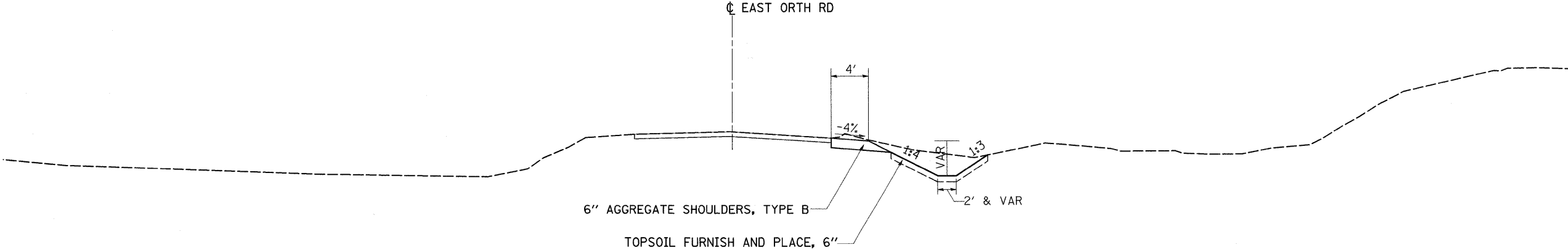
PROPOSED TYPICAL SECTION - WEST & EAST ORTH RD

STA 513+49.15 - STA 514+77.87
 STA 516+16.08 - STA 517+40.17



PROPOSED TYPICAL SECTION - EAST ORTH RD

STA 521+50 - STA 522+00



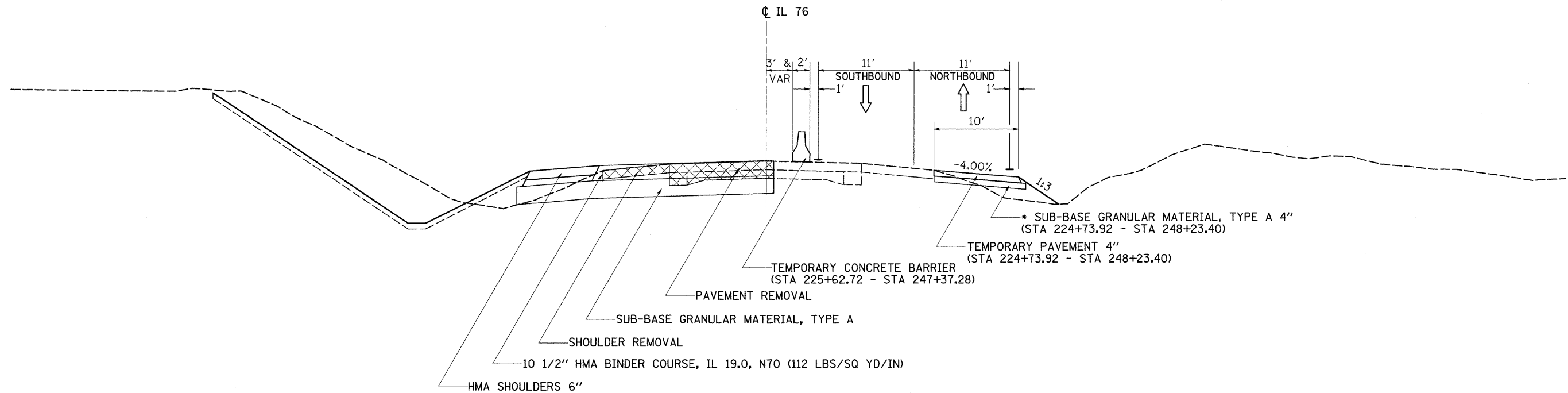
* PAVEMENT REMOVAL STA 516+16.08 - LT STA 517+40.17
 ** INCLUDED IN THE COST OF HMA SHOULDERS

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwork\k\PWIDOT\GOFFJL\dms85434\d089	8typ.dgn	DRAWN -	REVISED -		754	101M-1	BOONE	74	8				
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 64E34				ILLINOIS FED. AID PROJECT				
PLOT DATE = Tue Mar 09 10:18:16 2010	DATE -	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

TYPICAL SECTIONS

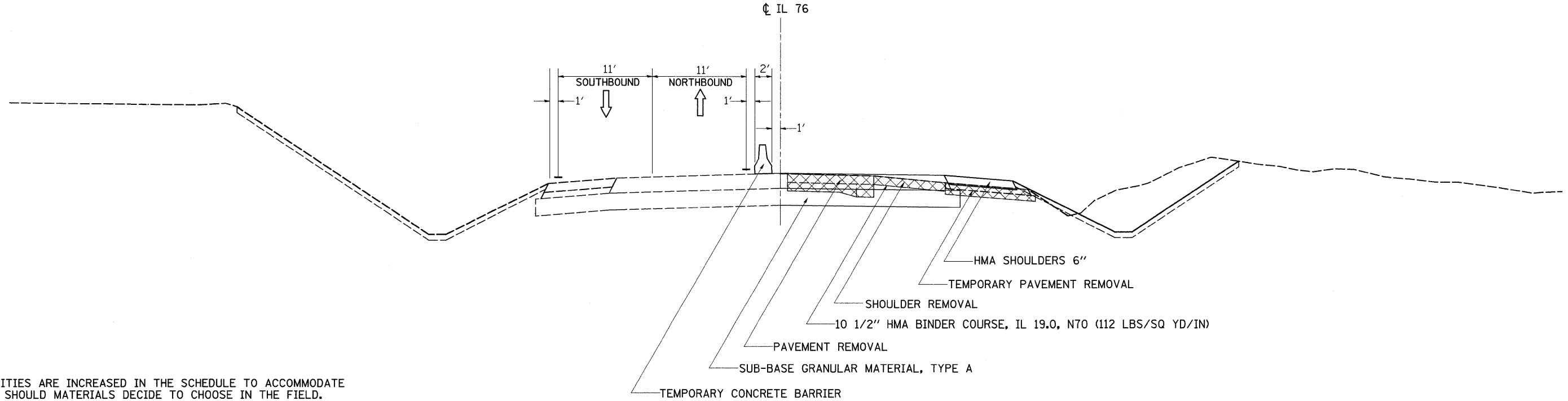
STAGE I TYPICAL SECTION - IL RTE 76

STA 227+00 - STA 246+00
LOOKING NORTH



STAGE II TYPICAL SECTION - IL RTE 76

STA 231+51.50 - STA 242+27.99
LOOKING NORTH



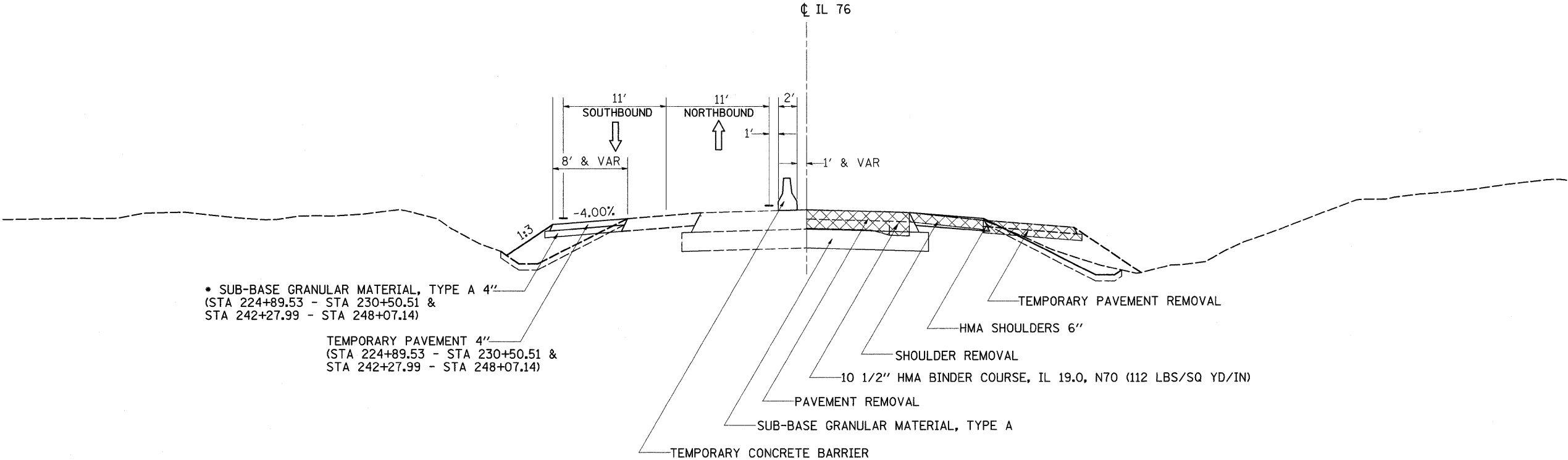
* QUANTITIES ARE INCREASED IN THE SCHEDULE TO ACCOMMODATE FOR 12" SHOULD MATERIALS DECIDE TO CHOOSE IN THE FIELD. CONTACT JAN TWARDOWSKI IN THE DISTRICT MATERIALS SECTION PRIOR TO EXCAVATING FOR THE SUB-BASE GRANULAR MATERIAL, TYPE A 4"

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50,0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 64E34							
PLOT DATE = Tue Mar 09 10:10:16 2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			

TYPICAL SECTIONS

STAGE II TYPICAL SECTION - IL RTE 76

STA 227+00 - STA 231+51.50 & STA 242+27.99 - STA 246+00



* SUB-BASE GRANULAR MATERIAL, TYPE A 4"
 (STA 224+89.53 - STA 230+50.51 &
 STA 242+27.99 - STA 248+07.14)

TEMPORARY PAVEMENT 4"
 (STA 224+89.53 - STA 230+50.51 &
 STA 242+27.99 - STA 248+07.14)

* QUANTITIES ARE INCREASED IN THE SCHEDULE TO ACCOMMODATE FOR 12" SHOULD MATERIALS DECIDE TO CHOOSE IN THE FIELD. CONTACT JAN TWARDOWSKI IN THE DISTRICT MATERIALS SECTION PRIOR TO EXCAVATING FOR THE SUB-BASE GRANULAR MATERIAL, TYPE A 4"

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwwork\PIWIDOT\GoffJL\dms85434\d08988typ.dgn	DRAWN -	REVISED -	754					101M-1	BOONE	74	10	
PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 64E34									
PLOT DATE = Tue Mar 09 10:18:16 2010	DATE -	REVISED -	SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)		LOCATION	OFFSET (ft)	REMARKS
	UNIT		IL 76		
	180		Lt. Sta. 239+00.0	TO 240+75.0	30 Trees @ 6"
	8		Orth Rd		
	6		Lt. Sta. 510+06.0		
	6		Lt. Sta. 510+11.0		
	6		Lt. Sta. 510+30.0		
	<u>200</u>	TOTAL			

Note: total trees 33

21101625	TOPSOIL FURNISH AND PLACE. 6"		LOCATION	OFFSET (ft)	REMARKS
	SQ YD		IL 76		
	5989		Lt. Sta 227+00.0	TO 246+00.0	
	4816		Rt. Sta 227+00.0	TO 246+00.0	
	1750		West Orth Rd		
	2904		Lt. Sta 508+50.0	TO 514+00.0	
			Rt. Sta 508+50.0	TO 514+00.0	
	498		West Orth Rd		
	1006		Lt. Sta 516+50.0	TO 522+00.0	
	<u>16138</u>	TOTAL	Rt. Sta 516+50.0	TO 522+00.0	

Note: the same area of class 2A & class 4 seedhg

20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)		LOCATION	OFFSET (ft)	REMARKS
	UNIT		IL 76		
	18		Rt. Sta. 237+40.0		See plan sheet for offset.
	15		Orth Rd		
	18		Lt. Sta. 510+36.0		See plan sheet for offset.
	28		Rt. Sta. 519+45.0		See plan sheet for offset.
	20		Rt. Sta. 519+60.0		See plan sheet for offset.
	37.5		Rt. Sta. 520+10.0		See plan sheet for offset.
	28.5		Rt. Sta. 520+72.0		See plan sheet for offset.
	<u>165</u>	TOTAL	Rt. Sta. 521+12.0		See plan sheet for offset.

Note: total trees 7

25000210	SEEDING, CLASS 2A		LOCATION	OFFSET (ft)	REMARKS
	ACRE		IL 76		
	0.57		Lt. Sta 227+00.0	TO 246+00.0	
	0.65		Rt. Sta 227+00.0	TO 246+00.0	
	0.08		West Orth Rd		
	0.26		Lt. Sta 508+50.0	TO 514+00.0	
			Rt. Sta 508+50.0	TO 514+00.0	
	0.09		West Orth Rd		
	0.10		Lt. Sta 516+50.0	TO 522+00.0	
	<u>1.75</u>	TOTAL	Rt. Sta 516+50.0	TO 522+00.0	

20100500	TREE REMOVAL, ACRES		LOCATION	OFFSET (ft)	REMARKS
	ACRE		IL 76		
	0.22		NW Quadrant		
	0.04		Rt. Sta. 243+50	TO 244+50.0	
	0.33		Orth Rd		
	0.05		Rt. Sta. 508+00.0	TO 514+40.0	
	<u>0.65</u>	TOTAL	Rt. Sta. 516+80.0	TO 519+08.0	

Note: replace 30 trees for the shown acres.

25000310	SEEDING, CLASS 4		LOCATION	OFFSET (ft)	REMARKS
	ACRE		IL 76		
	0.66		Lt. Sta 227+00.0	TO 246+00.0	
	0.35		Rt. Sta 227+00.0	TO 246+00.0	
	0.28		West Orth Rd		
	0.34		Lt. Sta 508+50.0	TO 514+00.0	
			Rt. Sta 508+50.0	TO 514+00.0	
	0.01		West Orth Rd		
	0.11		Lt. Sta 516+50.0	TO 522+00.0	
	<u>1.75</u>	TOTAL	Rt. Sta 516+50.0	TO 522+00.0	

20200100	EARTH EXCAVATION		LOCATION	OFFSET (ft)	REMARKS
	CU YD		IL 76		
	4070		Lt. & Rt. Sta 225+00.0	TO 239+00.0	STAGE 1
	2086		Lt. & Rt. Sta 239+00.0	TO 248+00.0	STAGE 1
	2121		Lt. & Rt. Sta 225+00.0	TO 239+00.0	STAGE 2
	10390		Lt. & Rt. Sta 239+00.0	TO 248+00.0	STAGE 2
	71		Lt. & Rt. Sta 225+00.0	TO 239+00.0	POST STAGE 2
	161		Lt. & Rt. Sta 239+00.0	TO 248+00.0	POST STAGE 2
	7981		Orth Rd		
	71		Lt. & Rt. Sta 508+00.0	TO 514+45.0	WEST ORTH ROAD
	<u>26951</u>	TOTAL	Lt. & Rt. Sta 516+00.0	TO 52+00.0	EAST ORTH ROAD

25000400	NITROGEN FERTILIZER NUTRIENT		LOCATION	OFFSET (ft)	REMARKS
	POUND		IL 76		
	111.4		Lt. Sta 227+00.0	TO 246+00.0	
	89.6		Rt. Sta 227+00.0	TO 246+00.0	
	32.5		West Orth Rd		
	54.0		Lt. Sta 508+50.0	TO 514+00.0	
			Rt. Sta 508+50.0	TO 514+00.0	
	9.3		West Orth Rd		
	18.7		Lt. Sta 516+50.0	TO 522+00.0	
	<u>315</u>	TOTAL	Rt. Sta 516+50.0	TO 522+00.0	

20400800	FURNISH EXCAVATION		LOCATION	OFFSET (ft)	REMARKS
	CU YD		IL 76		
	301		Lt. & Rt. Sta 225+00.0	TO 239+00.0	
	531		Lt. & Rt. Sta 239+00.0	TO 248+00.0	
	<u>832</u>	TOTAL			

SCHEDULE OF QUANTITIES

25000500	PHOSPHORUS FERTILIZER NUTRIENT	LOCATION	OFFSET (ft)	REMARKS
	POUND	<u>IL76</u>		
	111.4	Lt. Sta. 227+00.0	TO 246+00.0	
	89.6	Rt. Sta. 227+00.0	TO 246+00.0	
		<u>West Orth Rd</u>		
	32.5	Lt. Sta. 508+50.0	TO 514+00.0	
	54.0	Rt. Sta. 508+50.0	TO 514+00.0	
		<u>West Orth Rd</u>		
	9.3	Lt. Sta. 516+50.0	TO 522+00.0	
	18.7	Rt. Sta. 516+50.0	TO 522+00.0	
	<u>315</u>			TOTAL

25000600	POTASSIUM FERTILIZER NUTRIENT	LOCATION	OFFSET (ft)	REMARKS
	POUND	<u>IL76</u>		
	111.4	Lt. Sta. 227+00.0	TO 246+00.0	
	89.6	Rt. Sta. 227+00.0	TO 246+00.0	
		<u>West Orth Rd</u>		
	32.5	Lt. Sta. 508+50.0	TO 514+00.0	
	54.0	Rt. Sta. 508+50.0	TO 514+00.0	
		<u>West Orth Rd</u>		
	9.3	Lt. Sta. 516+50.0	TO 522+00.0	
	18.7	Rt. Sta. 516+50.0	TO 522+00.0	
	<u>315</u>			TOTAL

25000750	MOWING	LOCATION	OFFSET (ft)	REMARKS
	ACRE	<u>IL76</u>		
	0.57	Lt. Sta. 227+00.0	TO 246+00.0	
	0.65	Rt. Sta. 227+00.0	TO 246+00.0	
		<u>West Orth Rd</u>		
	0.08	Lt. Sta. 508+50.0	TO 514+00.0	
	0.26	Rt. Sta. 508+50.0	TO 514+00.0	
		<u>West Orth Rd</u>		
	0.09	Lt. Sta. 516+50.0	TO 522+00.0	
	0.10	Rt. Sta. 516+50.0	TO 522+00.0	
	<u>1.75</u>			TOTAL

Note: same areas as class 2A seeding

25100630	EROSION CONTROL BLANKET	LOCATION	OFFSET (ft)	REMARKS
	SQ YD	<u>IL76</u>		
	708	Lt. Sta. 226+50.0	TO 236+00.0	
	199	Rt. Sta. 226+50.0	TO 229+25.0	
	274	Rt. Sta. 229+70.0	TO 233+50.0	
	704	Lt. Sta. 235+85.0	TO 246+50.0	
	155	Rt. Sta. 235+70.0	TO 243+10.0	
	206	Rt. Sta. 243+65.0	TO 246+50.0	
		<u>Orth Rd</u>		
	831	Rt. Sta. 508+00.0	TO 513+90.0	
	469	Lt. Sta. 508+00.0	TO 511+25.0	
	339	Lt. Sta. 511+61.0	TO 513+90.0	
	152	Lt. Sta. 517+25.0	TO 518+65.0	
	762	Rt. Sta. 516+50.0	TO 520+14.0	
	<u>4799</u>			TOTAL

Note: all distances between stations are true measurement.

25100900	TIRE REINFORCEMENT MAT	LOCATION	OFFSET (ft)	REMARKS
	SQ YD	<u>Orth Rd</u>		
	426	Rt. Sta. 508+00.0	TO 513+90.0	
	430	Lt. Sta. 508+00.0	TO 513+95.0	
	<u>856</u>			TOTAL

Note: In the ditch flow line

25100115	MULCH METHOD 2	LOCATION	OFFSET (ft)	REMARKS
	ACRE	<u>IL76</u>		
	1.24	Lt. Sta. 227+00.0	TO 246+00.0	
	1.00	Rt. Sta. 227+00.0	TO 246+00.0	
		<u>West Orth Rd</u>		
	0.36	Lt. Sta. 508+50.0	TO 514+00.0	
	0.60	Rt. Sta. 508+50.0	TO 514+00.0	
		<u>West Orth Rd</u>		
	0.10	Lt. Sta. 516+50.0	TO 522+00.0	
	0.21	Rt. Sta. 516+50.0	TO 522+00.0	
	<u>3.5</u>			TOTAL

28000250	TEMPORARY EROSION CONTROL SEEDING	LOCATION	OFFSET (ft)	REMARKS
	POUND	<u>IL76</u>		
	618.7	Lt. Sta. 227+00.0	TO 246+00.0	
	497.5	Rt. Sta. 227+00.0	TO 246+00.0	
		<u>West Orth Rd</u>		
	180.8	Lt. Sta. 508+50.0	TO 514+00.0	
	300.0	Rt. Sta. 508+50.0	TO 514+00.0	
		<u>West Orth Rd</u>		
	51.5	Lt. Sta. 516+50.0	TO 522+00.0	
	103.9	Rt. Sta. 516+50.0	TO 522+00.0	
	<u>1752</u>			TOTAL

Note: Temporary seeding on both Class 2A & Class 4 seeding areas; 100 lb/acre. (5 times.)

28000305	TEMPORARY DITCH CHECKS	LOCATION	OFFSET (ft)	REMARKS
	FOOT	<u>IL76</u>		
	120	Lt. Sta. 226+50.0	TO 236+00.0	50' spacing
	84	Rt. Sta. 226+50.0	TO 233+50.0	50' spacing
	114	Lt. Sta. 237+50.0	TO 246+50.0	50' spacing
	108	Rt. Sta. 237+10.0	TO 246+50.0	50' spacing
		<u>Orth Rd</u>		
	78	Lt. Sta. 507+50.0	TO 510+20.0	10' spacing
	78	Rt. Sta. 507+50.0	TO 510+20.0	10' spacing
	36	Lt. Sta. 511+00.0	TO 514+00.0	50' spacing
	36	Rt. Sta. 511+00.0	TO 514+00.0	50' spacing
	60	Lt. Sta. 516+95.0	TO 522+00.0	50' spacing
	<u>714</u>			TOTAL

Note: Estimated Temporary Depth Checks is 6 ft in length per each.

SCHEDULE OF QUANTITIES

28000400	PERIMETER EROSION BARRIER FOOT	LOCATION <u>IL 76</u> Rt. Sta. <u>Orth Rd</u> Lt. Sta.	OFFSET (ft)	REMARKS					
	295	233+50.0	TO	235+82.0					
	315	519+00.0	TO	522+00.0					
	610	TOTAL							
28000500	INLET AND PIPE PROTECTION EACH	LOCATION <u>IL 76</u> Rt. Sta. Rt. Sta. Rt. Sta. <u>Orth Rd</u> Lt. Sta. Lt. Sta. Lt. Sta. Rt. Sta.	OFFSET (ft)	REMARKS					
	1	229+51.0	38.32	At Entrance.					
	1	243+10.0	38.27	At Entrance.					
	1	248+50.0							
	1	511+62	26.26	At Entrance.					
	1	519+19.5	31.28	At Entrance.					
	1	517+50.0	26.13	At Entrance.					
	1	520+14.0	26.20	At Entrance.					
	7	TOTAL							
54210030	PIPE CULVERTS, CLASS D, TYPE 1 30" FOOT	LOCATION <u>Orth Rd</u> Rt. Sta. Rt. Sta.	OFFSET (ft)	REMARKS					
	12	235+78.0							
	12	237+07.0							
	24	TOTAL							
54213450	END SECTIONS 15" EACH	LOCATION <u>IL 76</u> Rt. Sta. Rt. Sta. Rt. Sta. <u>Orth Rd</u> Lt. Sta. Lt. Sta. Rt. Sta.	OFFSET (ft)	REMARKS					
	2	229+48.9	37.94	PE					
	2	243+34.5	37.87	FE					
	2	248+50.0	35.35						
	2	511+42.0	25	PE					
	2	517+05.6	33.84	FE					
	2	520+36.5	26.21	FE					
	12	TOTAL							
54213459	END SECTIONS 24" EACH	LOCATION <u>IL 76</u> Lt. & Rt. Sta	OFFSET (ft)	REMARKS					
	2	517+50.0		20' L to 21' R					
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15" FOOT	LOCATION <u>IL 76</u> Rt. Sta. Rt. Sta. Rt. Sta. <u>Orth Rd</u> Lt. Sta. Lt. Sta. Rt. Sta.	OFFSET (ft)	REMARKS					
	50	229+48.9	37.94	PE					
	52	243+34.5	37.87	FE					
	40	248+50.0							
	60	511+42.0	25	PE					
	48	517+05.6	33.84	FE					
	60	520+36.5	26.21	FE					
	310	TOTAL							
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24" FOOT	LOCATION <u>Orth Rd</u> Lt. & Rt. Sta	OFFSET (ft)	REMARKS					
	41	517+50.0		20' L to 21' R					
5421D015	PIPE CULVERTS, CLASS D, TYPE 1 15" (TEMPORARY) FOOT	LOCATION <u>Orth Rd</u> Rt. Sta. Rt. Sta.	OFFSET (ft)	REMARKS					
	50	229+48.0		20' L to 21' R					
	50	243+34.0							
	100	TOTAL							
5421D030	PIPE CULVERTS, CLASS D, TYPE 1 30" FOOT	LOCATION <u>Orth Rd</u> Rt. Sta. Rt. Sta.	OFFSET (ft)	REMARKS					
	12	235+78.0							
	12	237+07.0							
	24	TOTAL							
54213450	END SECTIONS 15" EACH	LOCATION <u>IL 76</u> Rt. Sta. Rt. Sta. Rt. Sta. <u>Orth Rd</u> Lt. Sta. Lt. Sta. Rt. Sta.	OFFSET (ft)	REMARKS					
	2	229+48.9	37.94	PE					
	2	243+34.5	37.87	FE					
	2	248+50.0	35.35						
	2	511+42.0	25	PE					
	2	517+05.6	33.84	FE					
	2	520+36.5	26.21	FE					
	12	TOTAL							
54213459	END SECTIONS 24" EACH	LOCATION <u>IL 76</u> Lt. & Rt. Sta	OFFSET (ft)	REMARKS					
	2	517+50.0		20' L to 21' R					
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06 FOOT	LOCATION <u>IL 76/ORTH ROAD INTERSECCION</u> NE ISLAND NW ISLAND SW ISLAND	OFFSET (ft)	REMARKS					
	22			Lt					
	34			Rt					
	23			Lt					
	79	TOTAL							
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 FOOT	LOCATION <u>IL 76/ORTH ROAD INTERSECCION</u> NE ISLAND NW ISLAND SW ISLAND	OFFSET (ft)	REMARKS					
	33								
	57								
	34								
	124	TOTAL							
60618300	CONCRETE MEDIAN SURFACE, 4 INCH SQ FT	LOCATION <u>IL 76/ORTH ROAD INTERSECCION</u> NE ISLAND NW ISLAND SW ISLAND	OFFSET (ft)	REMARKS					
	100			Lt					
	230			Rt					
	100			Lt					
	430	TOTAL							

Note: See plan sheets for offset.

SCHEDULE OF QUANTITIES

78000100 THEMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS			
WHITE	SQ FT	LOCATION	REMARKS
15.6		IL 76	
15.6		St.a.	233+35.5
15.6		St.a.	234+10.6
15.6		St.a.	234+85.6
15.6		St.a.	235+60.6
15.6		St.a.	237+19.0
15.6		St.a.	237+94.0
15.6		St.a.	238+69.0
15.6		St.a.	239+44.0
124.8	TOTAL		

78000200 THEMOPLASTIC PAVEMENT MARKING - LINE 4"			
WHITE	YELLOW	LOCATION	REMARKS
1297		IL 76	
1309		Lt. Sta.	223+39.3 TO 236+36.5
	4970	Lt. Sta.	236+70.4 TO 249+79.3
		L & R Sta.	223+39.3 TO 235+81.8
1278		Rt. Sta.	223+39.3 TO 236+17.4
1336		Rt. Sta.	236+43.4 TO 249+79.3
	3320	L & R Sta.	236+97.8 TO 245+27.8
		Orth Rd	
511		Rt. Sta.	508+70.0 TO 513+81.3
421		Lt. Sta.	508+70.0 TO 512+90.8
410		Rt. Sta.	517+40.0 TO 521+50.0
437		Lt. Sta.	517+13.0 TO 521+50.0
	1162	Lt. & Rt. Sta	508+70.0 TO 514+51.0
	1012	Lt. & Rt. Sta	516+44.0 TO 521+50.0
6999	10464		
	17463	TOTAL	

Note: Start and End edge lines as the stations used in staging plans.

78000500 THEMOPLASTIC PAVEMENT MARKING - LINE 8"			
WHITE	LOCATION	REMARKS	OFFSET (ft)
76	IL 76		
265	Lt. & Rt. Sta	230+91.7 TO 233+16.8	6.33 Rt
265	Lt. & Rt. Sta	233+16.8 TO 235+81.8	6.33 Rt
76	Lt. & Rt. Sta	236+97.8 TO 239+62.9	6.33 Lt
	Lt. & Rt. Sta	239+62.9 TO 241+87.6	6.33 Lt
	Orth Rd		
198	Lt. Sta.	514+15.3 TO 514+75.9	Island
115	Rt. Sta.	514+44.0 TO 514+75.3	Island
113	Lt. Sta.	516+19.0 TO 516+50.4	Island
1108	TOTAL		

78000600 THEMOPLASTIC PAVEMENT MARKING - LINE 12"			
WHITE	YELLOW	LOCATION	REMARKS
155		IL 76	
155		Lt. & Rt. Sta	227+70.4 TO 233+06.0
		Lt. & Rt. Sta	239+81.0 TO 244+90.0
		Orth Rd	
149		Lt. Sta.	514+15.3 TO 514+75.9
55		Rt. Sta.	514+44.0 TO 514+75.3
55		Lt. Sta.	516+19.0 TO 516+50.4
259	310		
	569	TOTAL	

78000650 THEMOPLASTIC PAVEMENT MARKING - LINE 24"			
FOOT	LOCATION	REMARKS	OFFSET (ft)
18	Orth Rd		
12	Rt. Sta.	514+47.0 TO 514+60.0	23 Rt Stop
18	Rt. Sta.	514+51.0 TO 516+45.3	25 Lt Stop
12	Lt. Sta.	516+32.9 TO 516+44.0	25 Lt Stop
60	TOTAL		

78100100 RAISED REFLECTIVE PAVEMENT MARKERS			
EACH	LOCATION	REMARKS	OFFSET (ft)
58	IL 76		
14	Lt. & Rt. Sta	227+51.8 TO 235+81.8	2 Way Amber
62	Rt. Sta.	233+16.8 TO 235+81.8	1 Way Crystal
14	Lt. & Rt. Sta	236+97.8 TO 245+27.8	2 Way Amber
148	TOTAL		

78300100 PAVEMENT MARKING REMOVAL			
WHITE	YELLOW	LOCATION	REMARKS
1758		IL 76	
		Lt. & Rt. Sta	223+39.3 TO 249+79.3
		Lt. Sta.	223+39.3 TO 249+79.3
	1758	TOTAL	

Note: Stage I removal of existing pavement marking.

81603000 UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE)			
FOOT	LOCATION	REMARKS	OFFSET (ft)
75	IL 76/ORTH ROAD INTERSECCION SW QUARDANT		

81900200 TRENCH AND BACKFILL FOR ELECTRICAL WORK			
FOOT	LOCATION	REMARKS	OFFSET (ft)
62	IL 76/ORTH ROAD INTERSECCION SW QUARDANT		

83600100 LIGHT POLE FOUNDATION			
EACH	LOCATION	REMARKS	OFFSET (ft)
1	IL 76/ORTH ROAD INTERSECCION SW QUARDANT		

SCHEDULE OF QUANTITIES

84400105 RELOCATE EXISTING LIGHTING UNIT
 EACH 1 LOCATION IL 76/ORTH ROAD INTERSECCION
 SW QUARDANT OFFSET (ft) REMARKS

89501510 RELOCATE EXISTING FLASHING BEACON
 EACH 1 LOCATION IL 76/ORTH ROAD INTERSECCION
 SW QUARDANT
 NE QUARDANT
 1
 1
 2 TOTAL OFFSET (ft) REMARKS

X0325335 CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC
 FOOT 20 LOCATION IL 76/ORTH ROAD INTERSECCION
 SW QUARDANT OFFSET (ft) REMARKS

X0325519 DRAIN FOR AGGREGATE BASE COURSE
 SQ YD 6 LOCATION IL 76
 Lt. & Rt. Sta 230+00.0
 6 Lt. & Rt. Sta 230+00.0
 6 Lt. & Rt. Sta 236+00.0
 6 Lt. & Rt. Sta 239+00.0
Orth Rd
 6 Lt. & Rt. Sta 512+00.0
 6 Lt. & Rt. Sta 518+00.0
 36 TOTAL OFFSET (ft) REMARKS

Note: based on 9 ft length and 3 ft wide drains.

X5015200 REMOVAL OF EXISTING CULVERTS
 EACH 1 LOCATION IL 76
 Lt. & Rt. Sta 235+78.0
 Lt. & Rt. Sta 237+07.7
 1
 2 TOTAL OFFSET (ft) REMARKS

X8950077 REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER
 EACH 1 LOCATION IL 76/ORTH ROAD INTERSECCION
 SW QUARDANT OFFSET (ft) REMARKS

Z0007601 BUILDING REMOVAL NO. 1
 L SUM 1 LOCATION Orth Road
 Lt. Sta. 511+00.0
 30 Storage shed. OFFSET (ft) REMARKS

Z0030250 IMPACT ATTENUATORS TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
 EACH 1 LOCATION IL 76
 Lt. Sta. 225+62.7
 1 Lt. Sta. 247+37
 1 Lt. Sta. 226+25.0
 1 Rt. Sta. 247+12
 4 TOTAL OFFSET (ft) REMARKS

Note: See staging plans.

Z0030350 IMPACT ATTENUATORS RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3
 EACH 1 LOCATION IL 76
 Lt. Sta. 225+62.7
 1 Lt. Sta. 247+37
 1 Lt. Sta. 226+25.0
 1 Rt. Sta. 247+12
 4 TOTAL OFFSET (ft) REMARKS

Note: See staging plans.

Z0050900 REMOVE CONCRETE FOUNDATION
 EACH 1 LOCATION IL 76/ORTH ROAD INTERSECCION
 SW QUARDANT OFFSET (ft) REMARKS

*2000212 REMOVE AND RELOCATE EXISTING ELECTRICAL SERVICE
 EACH 1 LOCATION IL 76/ORTH ROAD INTERSECCION
 SW QUARDANT OFFSET (ft) REMARKS

BITUMINOUS SCHEDULE

STATIONING			<div style="display: flex; justify-content: space-between; font-size: 6px;"> 35101400 40701931 40600200 40600300 40600990 48203021 40603310 48101200 40800050 31100300 31100910 31100935 31100965 X0712400 X0919000 Z0028415 44000100 44004250 </div>																				
			LENGTH	WIDTH	AREA	AGG BASE CSE TYPE B	HMA PAVT FULL DEPTH 12 1/2"	BIT. MAT. (PR. COAT)	AGG. MAT. (PR. COAT)	TEMP RAMP	HMA SHLDS. 6"	HMA SURF CSE MIX "C" N 50	AGG SHLDS TYPE B	INCIDENTAL HMA SURFACING	SUB-BASE GRAN-MAT TYPE A 4"	SUB-BASE GRAN-MAT TYPE A 12"	SUB-BASE GRAN-MAT TYPE A 18"	SUB-BASE GRAN-MAT TYPE A 24"	TEMP. PAVT	TEMP. PAVT REM	GEO. REINF.	PAVT REM	PAVED SHLDR REM
			SO YD	SO YD	SO YD	TON	SO YD	TON	TON	SO YD	SO YD	TON	TON	TON	TON	SO YD	SO YD	SO YD	SO YD	SO YD	SO YD	SO YD	SO YD
IL Route 76																							
227+ 0.0	228+ 0.0	LT & RT	100	var	286	286	0.1	0.4	29.6	177.8	19.9						319.3				244.4	177.8	
228+ 0.0	229+ 0.0	LT & RT	100	var	332.6	332.6	0.1	0.5		177.8	19.9						365.9				244.4	177.8	
229+ 0.0	230+ 0.0	LT & RT	100	var	376.9	376.9	0.1	0.6		177.8	19.9						410.2				244.4	177.8	
230+ 0.0	231+ 0.0	LT & RT	100	var	416.2	416.2	0.1	0.6		177.8	19.9						449.6				244.4	177.8	
231+ 0.0	232+ 0.0	LT & RT	100	var	422.2	422.2	0.1	0.6		177.8	19.9						455.6				244.4	177.8	
232+ 0.0	232+87.43	LT & RT	87	var	362.7	362.7	0.1	0.5		155.4	17.4						391.8				213.7	155.4	
232+87.4	234+ 0.0	LT & RT	113	var	467.3	467.3	0.1	0.7		200.1	22.4				504.9				504.9		275.2	200.1	
234+ 0.0	235+50.0	LT & RT	150	var	632	632	0.2	0.9		266.7	29.9				682				682		366.7	266.7	
235+ 50	236+ 0.0	LT & RT	50	var	332.6	332.6	0.1	0.5		44.4	2.5						349.2				122.2	44.4	
236+ 0	237+ 0.0	LT & RT	100	Intersection	1882.8	1882.8	0.5	2.8		88.9	5.0						1916.1				244.4	88.9	
237+ 0.0	238+ 0.0	LT & RT	100	var	559	559	0.2	0.8		177.8	19.9						592.7				244.4	177.8	
238+ 0.0	241+ 0.0	LT & RT	300	var	1332.2	1332.2	0.4	2.0		533.3	59.7						1432.2				733.3	533.3	
241+ 0.0	244+50.0	LT & RT	350	var	1355.6	1355.6	0.4	2.0		622.2	69.7						1472.2				855.6	622.2	
244+50.0	245+50.0	LT & RT	100	var	143.9	143.9	0.0	0.2	29.6	177.8	19.9					177.2					244.4	177.8	
245+50.0	246+50.0	LT & RT	100	var	268.9	268.9	0.1	0.4	29.6	177.8	19.9					302.2					244.4	177.8	
Stage 1 Quantities																							
224+73.9	248+23.4	RT	2349	10	2608.9									7827				2609	2609				
Stage 2 Quantities																							
224+93.3	230+51.5	LT	558	(var 8 -3)FT	341.1									1023				341	341				
242+28.0	248+ 7.1	LT	579	(var 8 -3)FT	353.9									1062				354	354				
Orth Road-West Leg																							
508+70.0	513+ 49	LT & RT	479	VAR	1276.7			0.4	1.9			182	250.2			1436.3							
513+49.0	514+ 77	Included in the mainline Full Depth quantities																					
Orth Road-East Leg																							
516+ 16	517+ 40	Included in the mainline Full Depth quantities																					
517+ 40	521+ 50	LT & RT	410	24	1093			0.3	1.6			156	336.7			1230							
Driveways																							
229	+ 48	RT	PE		48.3	33.0		0.0	0.1				6.8										
243	+ 35	RT	FE		113.9	77.8																	
248	+ 50	RT	FE		63.6	43.4																	
511	+ 42	LT	PE		163.4	111.7		0.0	0.2			22.9											
513	+ 95	RT	PE		69.3	97.4	**	0.0	0.1			9.7											
517	+ 5	LT	CE		108.3	74.0						15.2											
518	+ 91	LT	FE		114.3	78.1																	
520	+ 36	RT	FE		153.0	104.6																	
TOTALS						620	9171	4	20	89	3333	366	337	641	9912	1187	1916	9385	3304	3304	1187	4767	3333

- BASED ON 4' WIDE.
- added 50 tons for temporary access.

FILE NAME =	USER NAME = elohmadak	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BITUMINOUS SCHEDULE	F.A.P. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\current projects\IL 76 & Ort Rd co*	64E34\cadd\080908apl.dgn	DRAWN -	REVISED -			754	101M-1	BOONE	74	17
	PLOT SCALE = 1/8" = 1' / IN.	CHECKED -	REVISED -							CONTRACT NO. 64E34
	PLOT DATE = Thu Mar 11 09:28:53 2010	DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.		ILLINOIS FED. AID PROJECT

HORIZONTAL & VERTICAL CONTROL

Chain PIL76 contains:
G395 CUR G310 CUR G320 CUR G330 CUR G340 CUR 70210 G362

Beginning chain PIL76 description
=====

Point G395 N 2,043,777.7400 E 844,070.2870 Sta 40+00.00

Course from G395 to PC G310 N 0° 45' 22.59" E Dist 106.3149'

Curve Data

Curve G310
P.I. Station 46+21.09 N 2,044,398.7734 E 844,078.4848
Delta = 9° 01' 00.87" (LT)
Degree = 0° 52' 39.46"
Tangent = 514.7725'
Length = 1,027.4193'
Radius = 6,528.4900'
External = 20.2635'
Long Chord = 1,026.3594'
Mid. Ord. = 20.2008'
P.C. Station 41+06.31 N 2,043,884.0457 E 844,071.6903
P.T. Station 51+33.73 N 2,044,908.2050 E 844,004.5242
C.C. N 2,043,970.2160 E 837,543.7690

Course from PT G310 to PC G320 N 8° 15' 38.27" W Dist 5,755.8985'

Curve Data

Curve G320
P.I. Station 113+76.08 N 2,051,085.7842 E 843,107.6474
Delta = 6° 53' 50.83" (RT)
Degree = 0° 42' 35.35"
Tangent = 486.4466'
Length = 971.7180'
Radius = 8,071.8686'
External = 14.6444'
Long Chord = 971.1314'
Mid. Ord. = 14.6179'
P.C. Station 108+89.63 N 2,050,604.3846 E 843,177.5383
P.T. Station 118+61.35 N 2,051,572.0932 E 843,096.0750
C.C. N 2,051,764.1204 E 851,165.6592

Course from PT G320 to PC G330 N 1° 21' 47.44" W Dist 1,531.3487'

Curve Data

Curve G330
P.I. Station 139+90.12 N 2,053,700.2592 E 843,045.4323
Delta = 51° 58' 56.94" (RT)
Degree = 4° 40' 32.89"
Tangent = 597.4198'
Length = 1,111.7336'
Radius = 1,225.3674'
External = 137.8771'
Long Chord = 1,073.9947'
Mid. Ord. = 123.9324'
P.C. Station 133+92.70 N 2,053,103.0085 E 843,059.6447
P.T. Station 145+04.43 N 2,054,079.3042 E 843,507.2063
C.C. N 2,053,132.1596 E 844,284.6653

Course from PT G330 to PC G340 N 50° 37' 09.50" E Dist 1,679.8817'

Curve Data

Curve G340
P.I. Station 169+91.18 N 2,055,657.0677 E 845,429.3271
Delta = 50° 10' 30.31" (LT)
Degree = 3° 19' 28.22"
Tangent = 806.8603'
Length = 1,509.2496'
Radius = 1,723.4376'
External = 179.5234'
Long Chord = 1,461.4838'
Mid. Ord. = 162.5874'
P.C. Station 161+84.31 N 2,055,145.1389 E 844,805.6665
P.T. Station 176+93.56 N 2,056,463.9037 E 845,435.5827
C.C. N 2,056,477.2655 E 843,712.1969

Course from PT G340 to PC 70210 N 0° 26' 39.19" E Dist 5,539.8620'

Curve Data

Curve 70210
P.I. Station 238+19.18 N 2,062,589.3352 E 845,483.0747
Delta = 19° 41' 31.08" (LT)
Degree = 1° 41' 51.55"
Tangent = 585.7536'
Length = 1,159.9526'
Radius = 3,375.0000'
External = 50.4536'
Long Chord = 1,154.2520'
Mid. Ord. = 49.7105'
P.C. Station 232+33.43 N 2,062,003.5992 E 845,478.5333
P.T. Station 243+93.38 N 2,063,142.3463 E 845,289.9789
C.C. N 2,062,029.7656 E 842,103.6347

Course from PT 70210 to G362 N 19° 14' 51.89" W Dist 2,651.0004'

Point G362 N 2,065,645.1610 E 844,416.0673 Sta 270+44.38

Ending chain PIL76 description
=====

Chain PW_ORTH contains:
G2156 G1320 CUR G1330 70220

Beginning chain PW_ORTH description
=====

Point G2156 N 2,062,401.5418 E 844,024.7302 Sta 500+63.94

Course from G2156 to G1320 N 89° 31' 23.11" E Dist 319.1831'

Point G1320 N 2,062,404.1986 E 844,343.9023 Sta 503+83.12

Course from G1320 to PC G1330 N 89° 04' 28.19" E Dist 325.5956'

Curve Data

Curve G1330
P.I. Station 508+49.39 N 2,062,411.7300 E 844,810.1137
Delta = 1° 31' 35.97" (RT)
Degree = 0° 32' 33.52"
Tangent = 140.6766'
Length = 281.3366'
Radius = 10,558.6205'
External = 0.9371'
Long Chord = 281.3282'
Mid. Ord. = 0.9370'
P.C. Station 507+08.71 N 2,062,409.4577 E 844,669.4554
P.T. Station 509+90.05 N 2,062,410.2540 E 844,950.7825
C.C. N 2,051,852.2147 E 844,840.0023

Course from PT G1330 to 70220 S 89° 23' 55.85" E Dist 506.9631'

Point 70220 N 2,062,404.9350 E 845,457.7178 Sta 514+97.01

Ending chain PW_ORTH description

Chain PE_ORTH contains:
70230 CUR G1310 G108

Beginning chain PE_ORTH description
=====

Point 70230 N 2,062,409.7449 E 845,457.1763 Sta 515+97.01

Course from 70230 to PC G1310 N 88° 37' 46.15" E Dist 294.6106'

Curve Data

Curve G1310
P.I. Station 520+36.37 N 2,062,420.2534 E 845,896.4129
Delta = 0° 37' 03.58" (RT)
Degree = 0° 12' 48.07"
Tangent = 144.7517'
Length = 289.5006'
Radius = 26,854.8511'
External = 0.3901'
Long Chord = 289.4992'
Mid. Ord. = 0.3901'
P.C. Station 518+91.62 N 2,062,416.7913 E 845,751.7026
P.T. Station 521+81.12 N 2,062,422.1554 E 846,041.1522
C.C. N 2,035,569.6225 E 846,394.0094

Course from PT G1310 to G108 N 89° 14' 49.72" E Dist 179.5870'

Point G108 N 2,062,424.5151 E 846,220.7237 Sta 523+60.70

Ending chain PE_ORTH description
=====

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL & VERTICAL CONTROL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\VPWIDOT\GOFFJL\dms85434\d08908hvo.dgn		DRAWN -	REVISED -		754	101M-1	BOONE	74	18			
PLOT SCALE = 50,0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 64E34			ILLINOIS FED. AID PROJECT				
PLOT DATE = Tue Mar 09 10:16:34 2010		DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.					

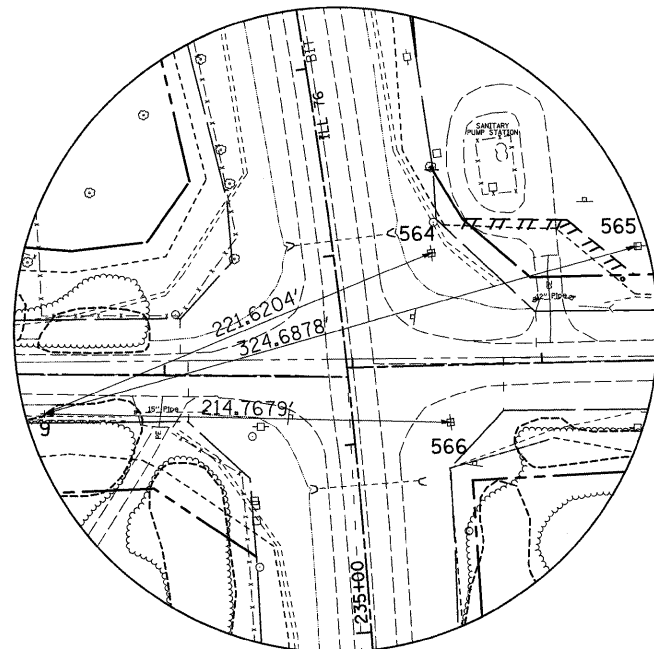
HORIZONTAL & VERTICAL CONTROL

APPARENT PROPERTY CORNERS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
756	2044078.8090	844136.4380	780.6060	PIL76	43+00.01	65.0733' RT	PIN
757	2043908.4780	844010.0950	780.7190	PIL76	41+30.16	61.8693' LT	PIN
758	2043945.6340	844006.9700	780.5300	PIL76	41+67.66	65.2422' LT	PIN
759	2044280.5090	844124.9940	781.2580	PIL76	45+00.07	60.0458' RT	PIN
760	2044481.6750	844107.1210	782.7220	PIL76	47+00.20	54.76' RT	PIN
761	2044624.4690	843998.7280	782.2210	PIL76	48+51.94	40.4592' LT	PIN

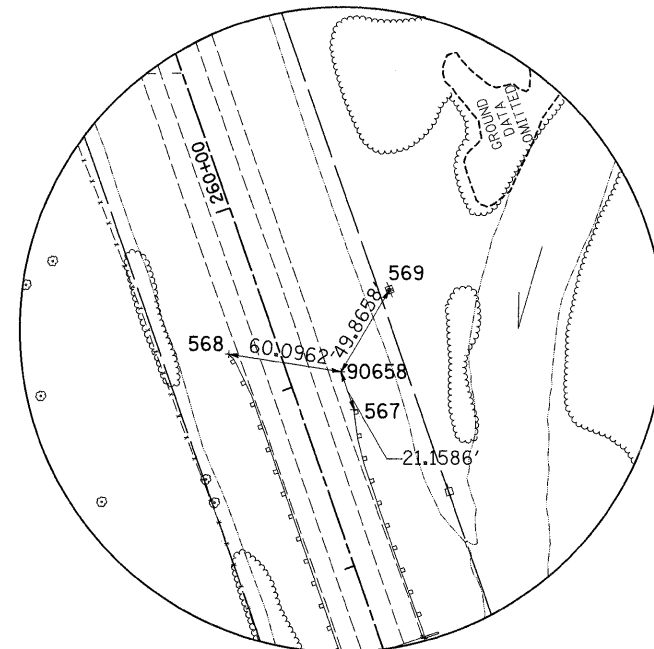
CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
PIL76	G310	310	311	312	313
PIL76	G320	320	321	322	323
PIL76	G330	330	331	332	333
PIL76	G340	340	341	342	343
PIL76	70210	70210	70211	70212	70213

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1454	2062514.9690	845501.9110	858.3960	PIL76	237+38.24	57.74' RT	R.O.W. MARKER, TOP

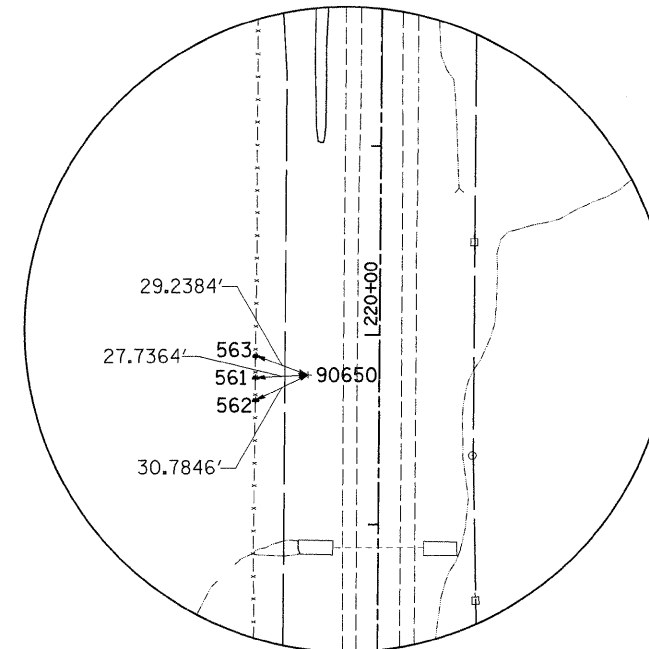
HORIZONTAL & VERTICAL CONTROL



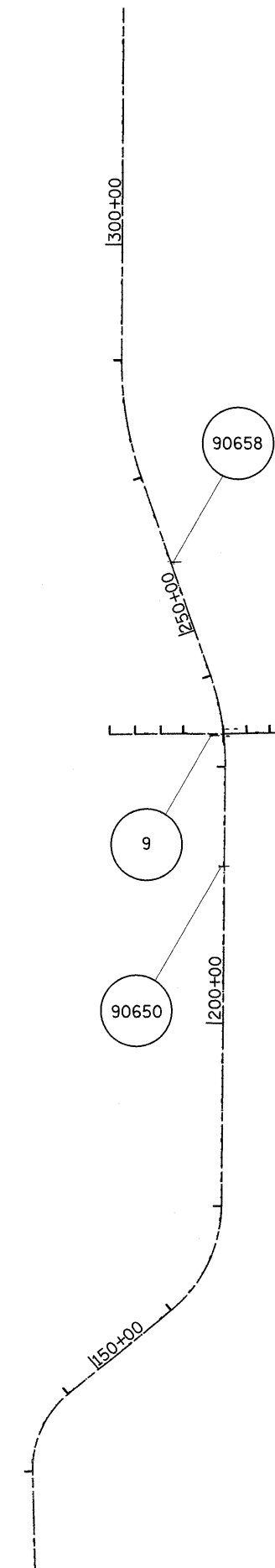
HORIZONTAL CONTROL POINT NO. 9



HORIZONTAL CONTROL POINT NO. 90658



HORIZONTAL CONTROL POINT NO. 90650

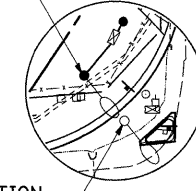


REFERENCE TIES				
POINT	CHAIN	STATION	OFFSET	DESCRIPTION
561	PIL76	219+77.17	65.4435' LT	FENCE POST, SHINER
562	PIL76	219+65.24	65.417' LT	FENCE POST, SHINER
563	PIL76	219+88.65	65.2585' LT	FENCE POST, SHINER
564	PIL76	236+94.64	51.8236' RT	POWER POLE, SHINER
565	PIL76	236+84.36	159.1112' RT	POWER POLE, SHINER
566	PIL76	236+06.25	51.2902' RT	POWER POLE, SHINER
567	PIL76	258+78.00	27.1218' RT	GUARDRAIL STEEL PLATE BEAM, END
568	PIL76	259+27.56	25.7263' LT	GUARDRAIL STEEL PLATE BEAM, END
569	PIL76	259+31.20	65.4437' RT	POWER POLE, SHINER

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
9	2062385.7659	845297.1504	859.0199	PIL76	236+34.28	161.7029' LT	PIN
90658	2064572.9332	844819.3038	830.8899	PIL76	259+99.16	27.2327' RT	E-LEVEL Z PHOTO CONTROL H. & V., PIN
90650	2060749.2457	845431.0552	840.4090	PIL76	219+78.74	37.7517' LT	E-LEVEL Z PHOTO CONTROL H. & V., PIN



PROPOSED POLE LOCATION
 LIGHTING RELOCATE DETAIL

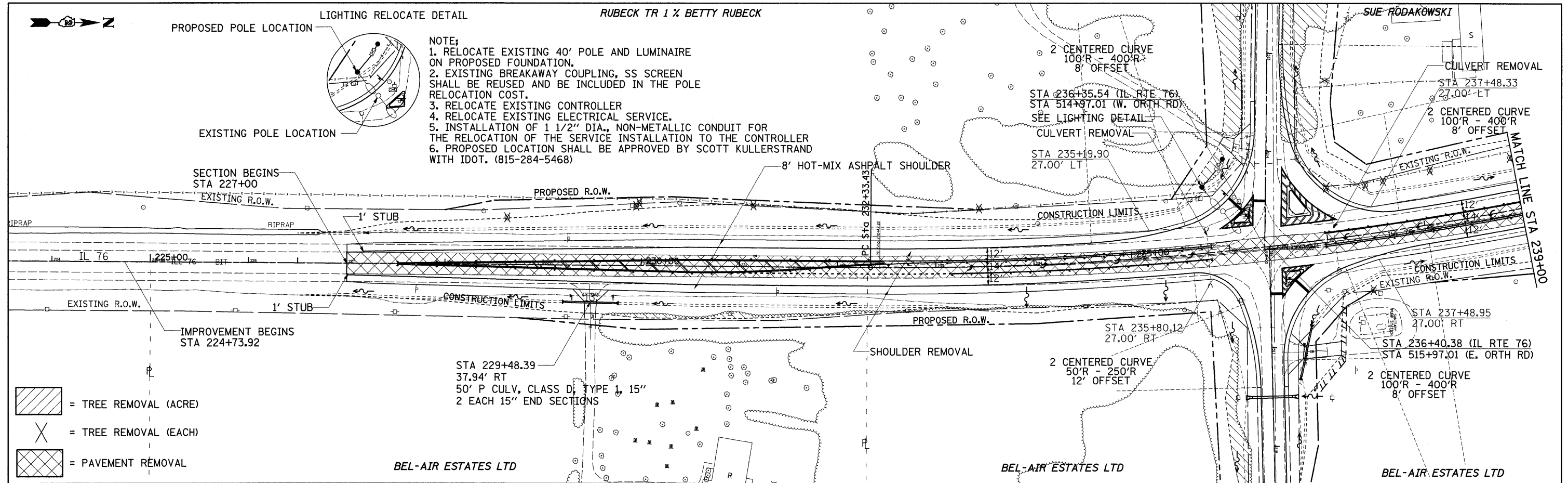


- NOTE:
 1. RELOCATE EXISTING 40' POLE AND LUMINAIRE ON PROPOSED FOUNDATION.
 2. EXISTING BREAKAWAY COUPLING, SS SCREEN SHALL BE REUSED AND BE INCLUDED IN THE POLE RELOCATION COST.
 3. RELOCATE EXISTING CONTROLLER
 4. RELOCATE EXISTING ELECTRICAL SERVICE.
 5. INSTALLATION OF 1 1/2" DIA., NON-METALLIC CONDUIT FOR THE RELOCATION OF THE SERVICE INSTALLATION TO THE CONTROLLER
 6. PROPOSED LOCATION SHALL BE APPROVED BY SCOTT KULLERSTRAND WITH IDOT. (815-284-5468)

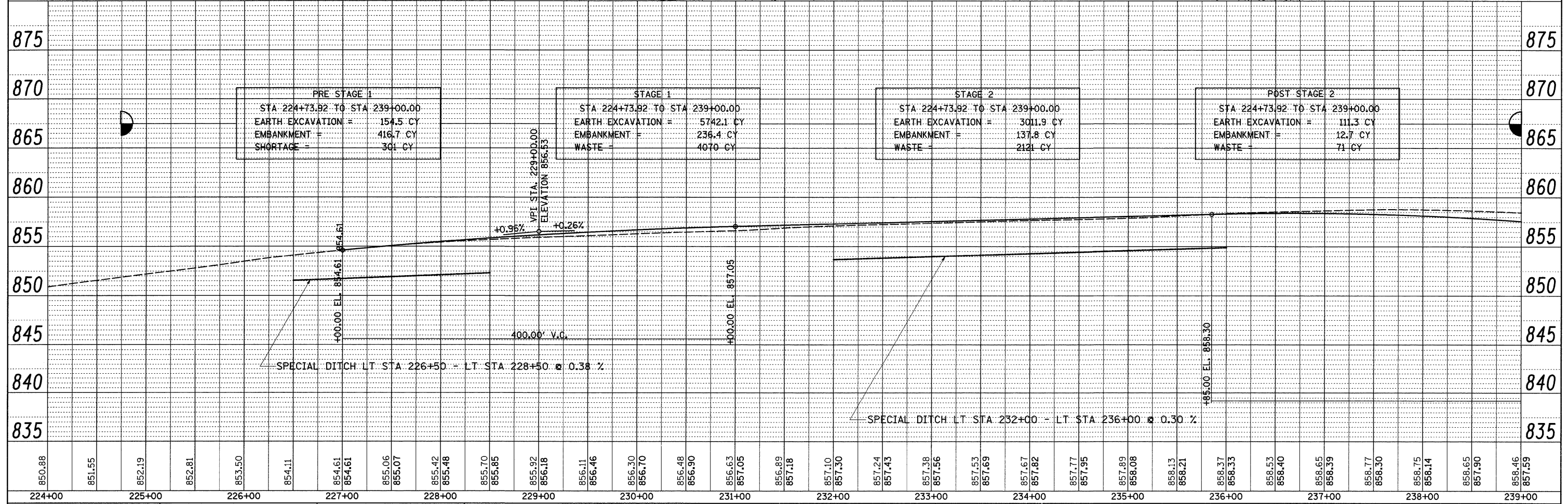
RUBECK TR 1/2 BETTY RUBECK

DATE	
BY	
REVISED	
PLANNED	
NOTED	
NOTED	
NO.	

DATE	
BY	
REVISED	
PLANNED	
NOTED	
NOTED	
NO.	



- = TREE REMOVAL (ACRE)
- = TREE REMOVAL (EACH)
- = PAVEMENT REMOVAL



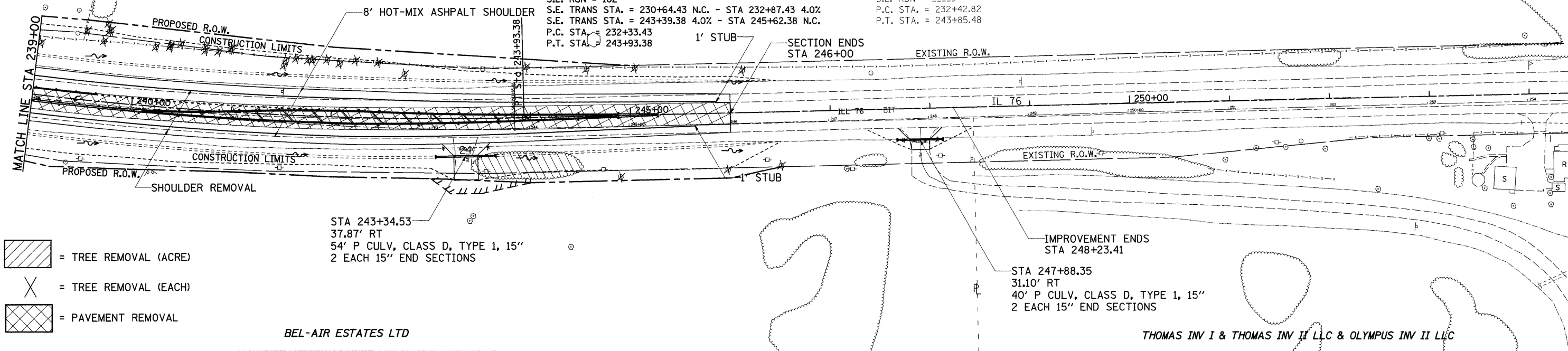
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PLOT SCALE = 50.0000' / IN.		DRAWN -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				CONTRACT NO. 64E34		ILLINOIS FED. AID PROJECT		
PLOT DATE = Tue Mar 09 10:17:04 2010		CHECKED -	REVISED -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	

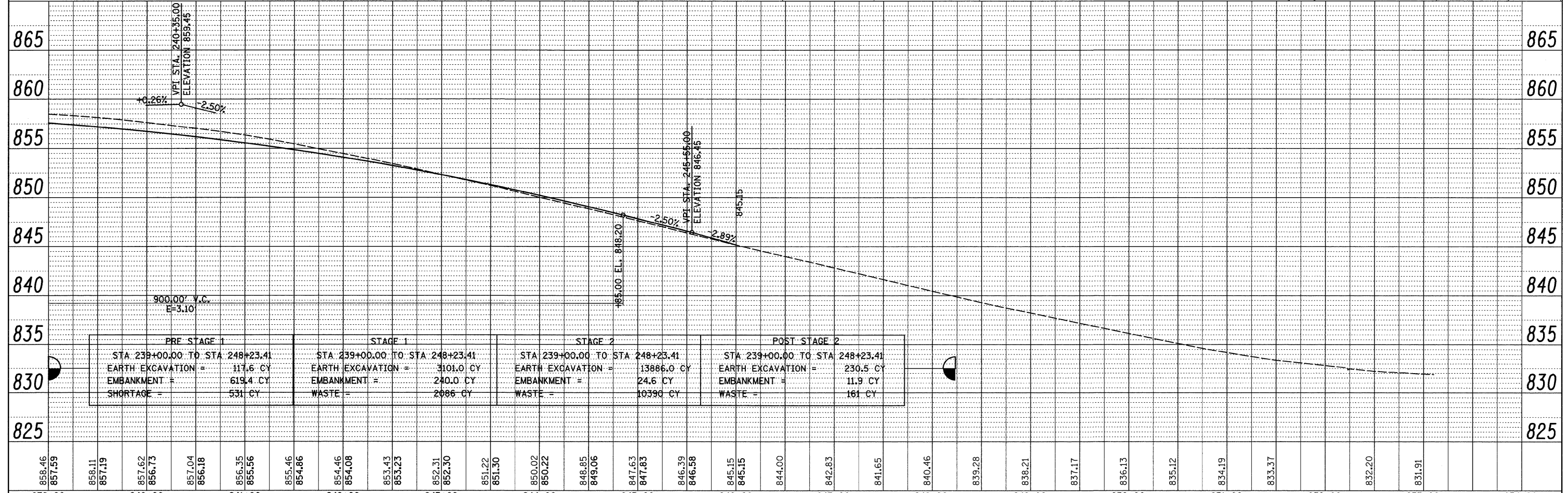
DATE	
BY	
REVIEWED	
PLANNED	
NOTE BOOK	
NO.	

PROP. CURVE 70360 SUE RODAKOWSKI
 PI STA. = 238+19.18
 $\Delta = 19^\circ 41' 31''$ (LT)
 $D = 1^\circ 41' 52''$
 $R = 3,375.00'$
 $T = 585.75'$
 $L = 1,159.95'$
 $E = 50.45'$
 $S.E. = 4.0\%$
 $T.R. = 61'$
 $S.E. RUN = 162'$
 $S.E. TRANS STA. = 230+64.43$ N.C. - STA 232+87.43 4.0%
 $S.E. TRANS STA. = 243+39.38$ 4.0% - STA 245+62.38 N.C.
 $P.C. STA. = 232+33.43$
 $P.T. STA. = 243+93.38$

EXIST. CURVE 350
 PI STA. = 238+19.18
 $\Delta = 18^\circ 31' 03''$ (LT)
 $D = 1^\circ 37' 14''$
 $R = 3,535.54'$
 $T = 576.36'$
 $L = 1,142.66'$
 $E = 46.67'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 232+42.82$
 $P.T. STA. = 243+85.48$

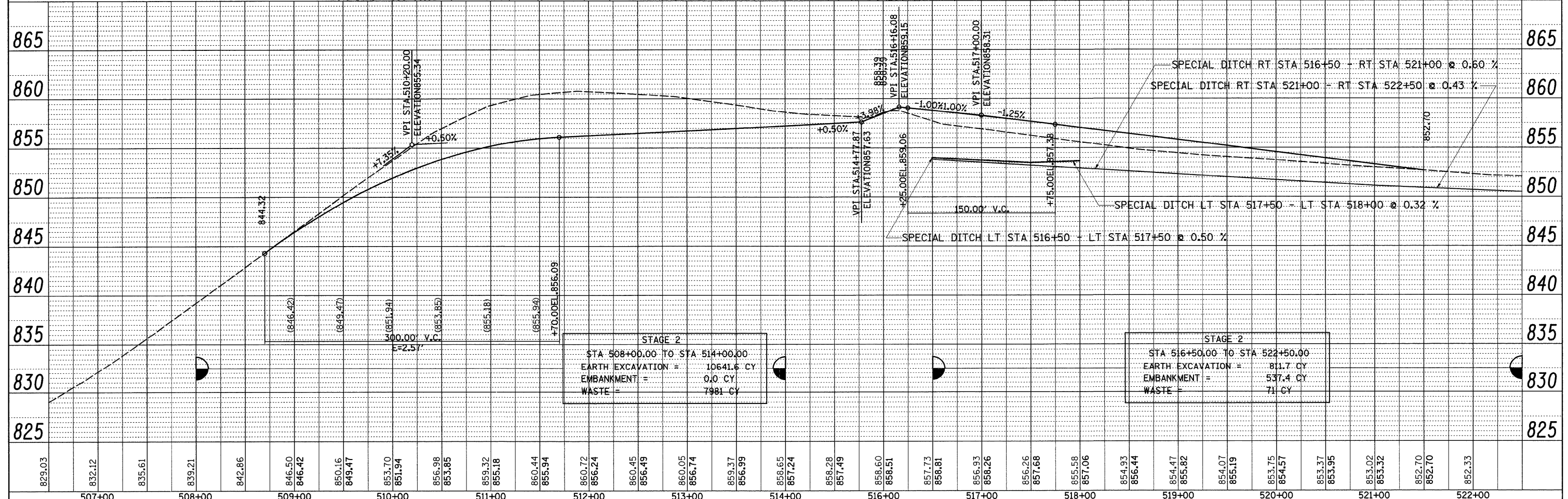
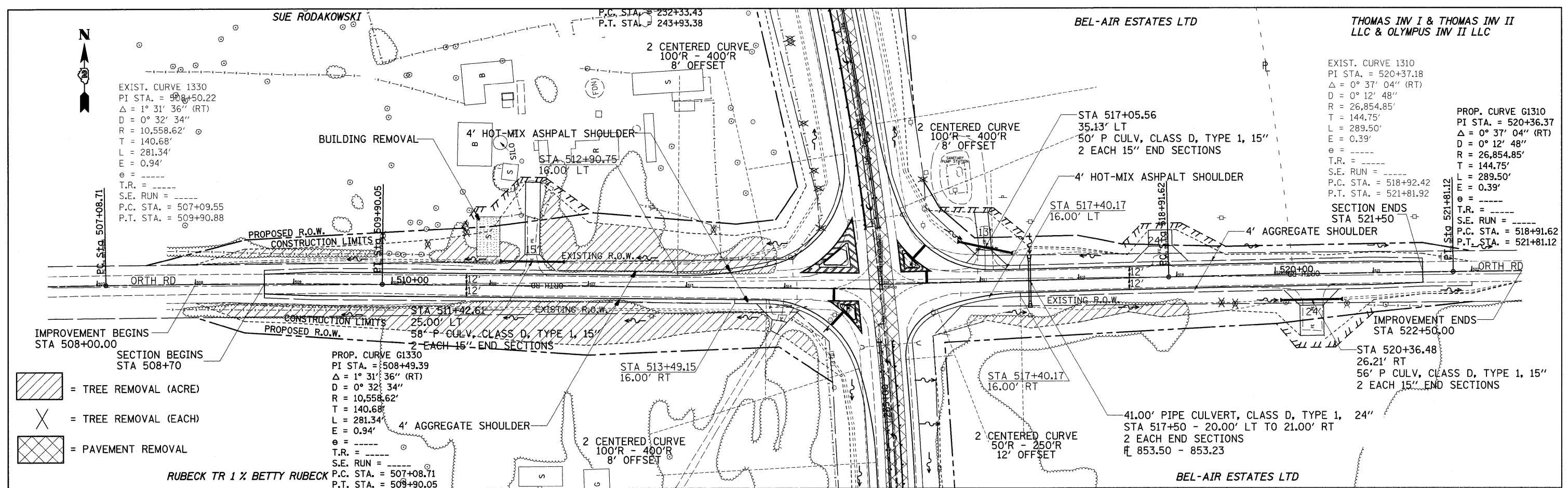


- = TREE REMOVAL (ACRE)
- = TREE REMOVAL (EACH)
- = PAVEMENT REMOVAL



DATE	
PLANNED	
NOTED	
FILED	
NO.	

DATE	
BY	
PROFILE	
NOTED	
FILED	
NO.	

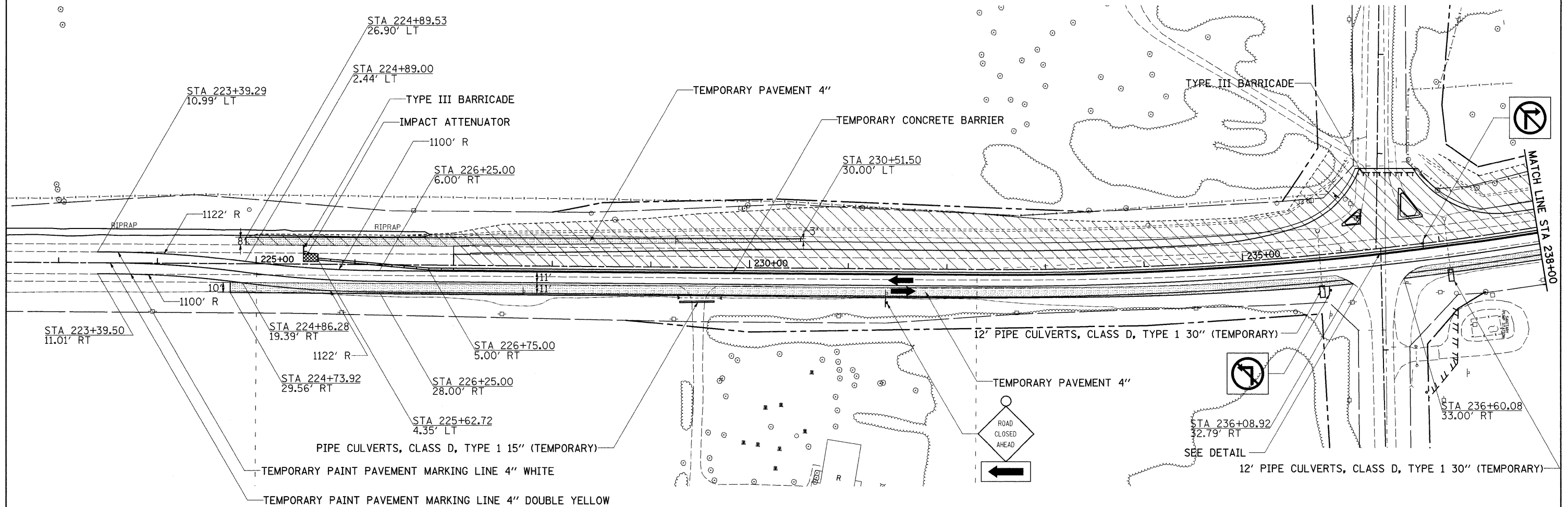


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PLOT DATE = Tue Mar 09 10:17:05 2010		DATE	REVISED -		ILLINOIS FED. AID PROJECT								

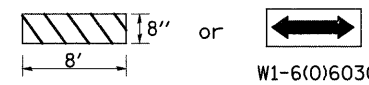
STAGE 1

SEQUENCE OF WORK

- 1) REMOVE END SECTIONS FROM CULVERTS AT STA.235+78 AND STA.237+10 AND PLACE TEMPORARY PIPE.
- 2) BUILD 10 FT WIDE TEMPORARY PAVEMENT RT. STA.224+73.92 - 248+23.41.
- 3) PLACE TEMPORARY PAINT PAVEMENT MARKINGS.
- 4) SWITCH TRAFFIC OVER FOR STAGE 1.
- 5) PLACE BARRIER WALL, SIGNING, AND TRAFFIC CONTROL DEVICES.
- 6) CONSTRUCT STAGE 1 AS SHOWN IN STAGING DETAILS AND STAGING TYPICALS AND REMOVE WEST HALF OF CULVERTS.
- 7) BUILD 8 FT WIDE TEMPORARY PAVEMENT LT. STA.224+89.53 - 230+51.50 & LT. STA.242+27.92 - 248+07.14.
- 8) PLACE TEMPORARY PAINT PRIOR TO SWITCHING TRAFFIC TO THE NEW PAVEMENT FOR STAGE 2.

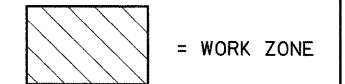


DETAIL



STRIPED AS SHOWN FOR THE TYPE III BARRICADE ON STANDARD 701901

MOUNTED TO THE FACE OF THE TEMPORARY CONCRETE BARRIER WALL COST TO BE INCLUDED



SIGNING & DEVICES TO BE SET UP ACCORDING TO TRAFFIC CONTROL STANDARD 701331

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -
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PLOT DATE = Tue Mar 09 10:17:41 2010		DATE -	REVISED -

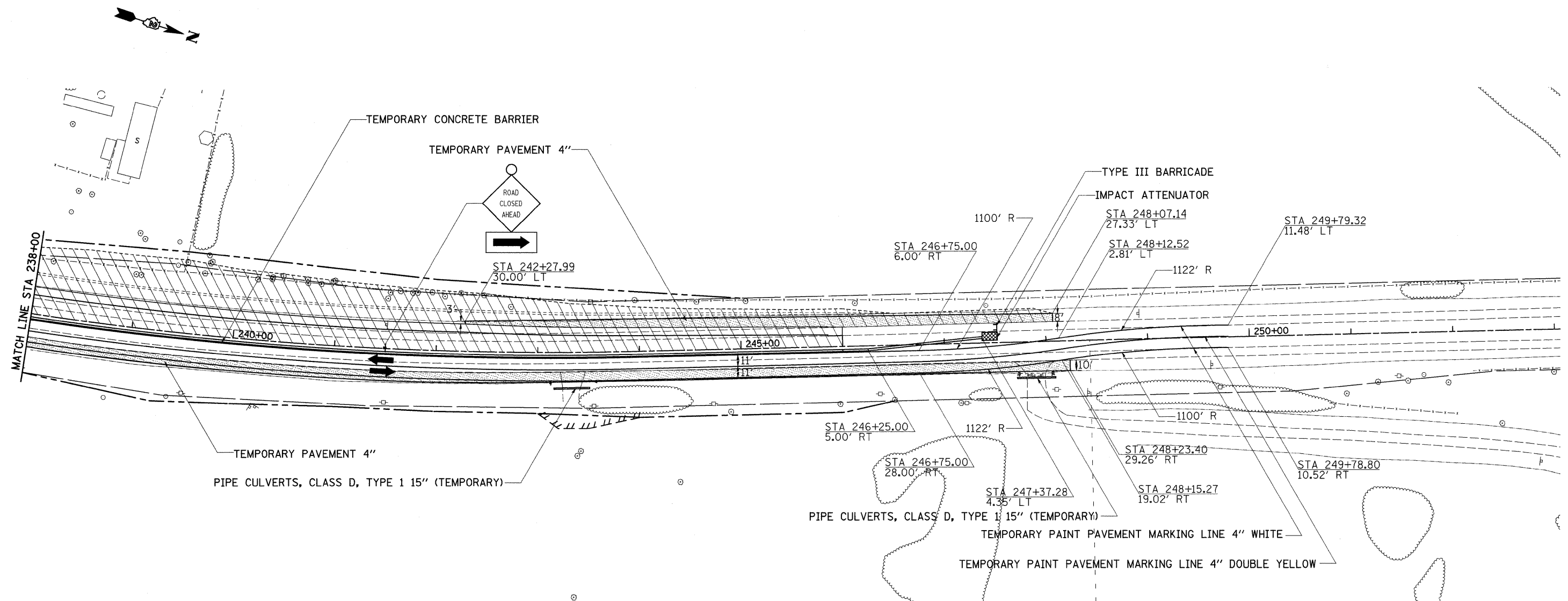
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING DETAILS

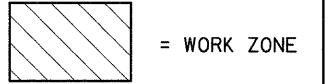
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 754	SECTION 101M-1	COUNTY BOONE	TOTAL SHEETS 74	SHEET NO. 24
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

STAGE 1



SIGNING & DEVICES TO BE SET UP ACCORDING TO TRAFFIC CONTROL STANDARD 701331



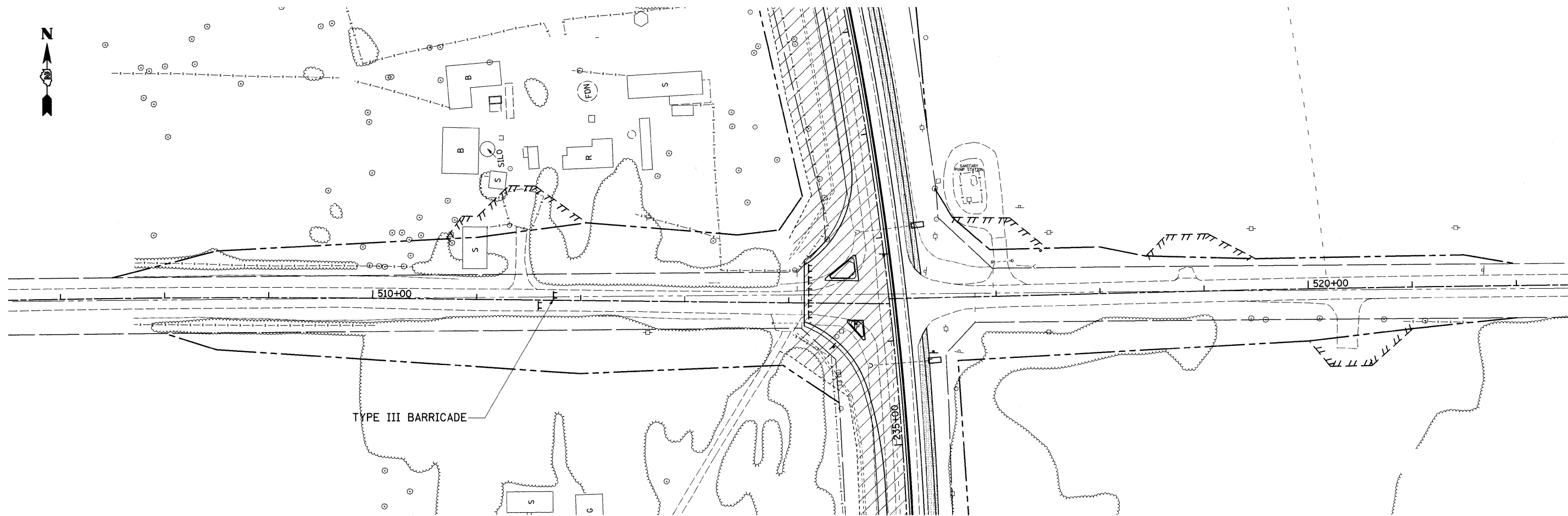
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

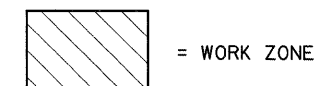
STAGING DETAILS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	25
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

STAGE 1



SIGNING & DEVICES TO BE SET UP ACCORDING TO DISTRICT STANDARD 40.1



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

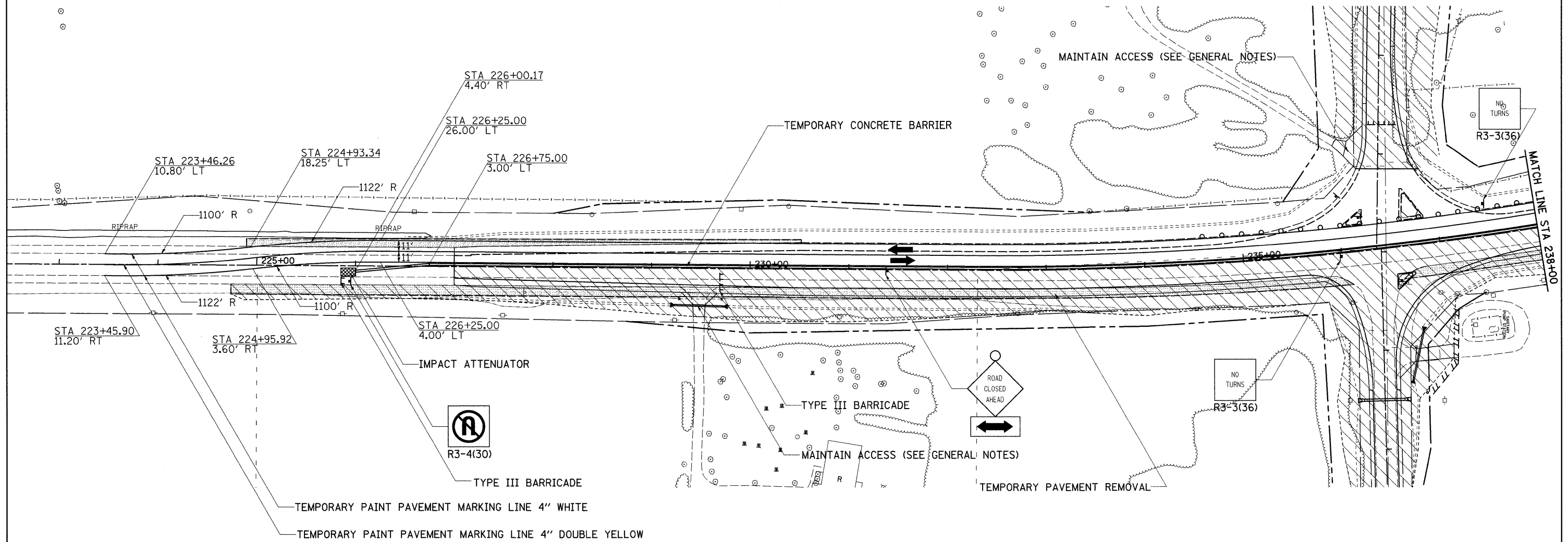
STAGING DETAILS
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	26
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

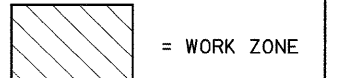
STAGE 2

SEQUENCE OF WORK

- 1) CLOSE WEST AND EAST ORTH RD.
- 2) SHIFT TRAFFIC OVER FOR STAGE 2.
- 3) RELOCATE BARRIER WALL, SIGNING, AND TRAFFIC CONTROL DEVICES.
- 4) REMOVE WIDENING FROM RT. STA.224+73.92 - 248+23.41.
- 5) CONSTRUCT STAGE 2 AS SHOWN IN THE STAGING DETAILS AND STAGING TYPICALS AND REMOVE EAST HALF OF CULVERTS.
- 6) REMOVE WIDENING FROM LT. STA.224+89.53 - 230+51.50 & LT. STA.242+27.92 - 248+07.14.
- 7) PLACE TEMPORARY STRIPING ON IL 76.
- 8) REMOVE BARRIER WALL, SIGNING, AND TRAFFIC CONTROL DEVICES.



SIGNING & DEVICES TO BE SET UP ACCORDING TO TRAFFIC CONTROL STANDARD 701331



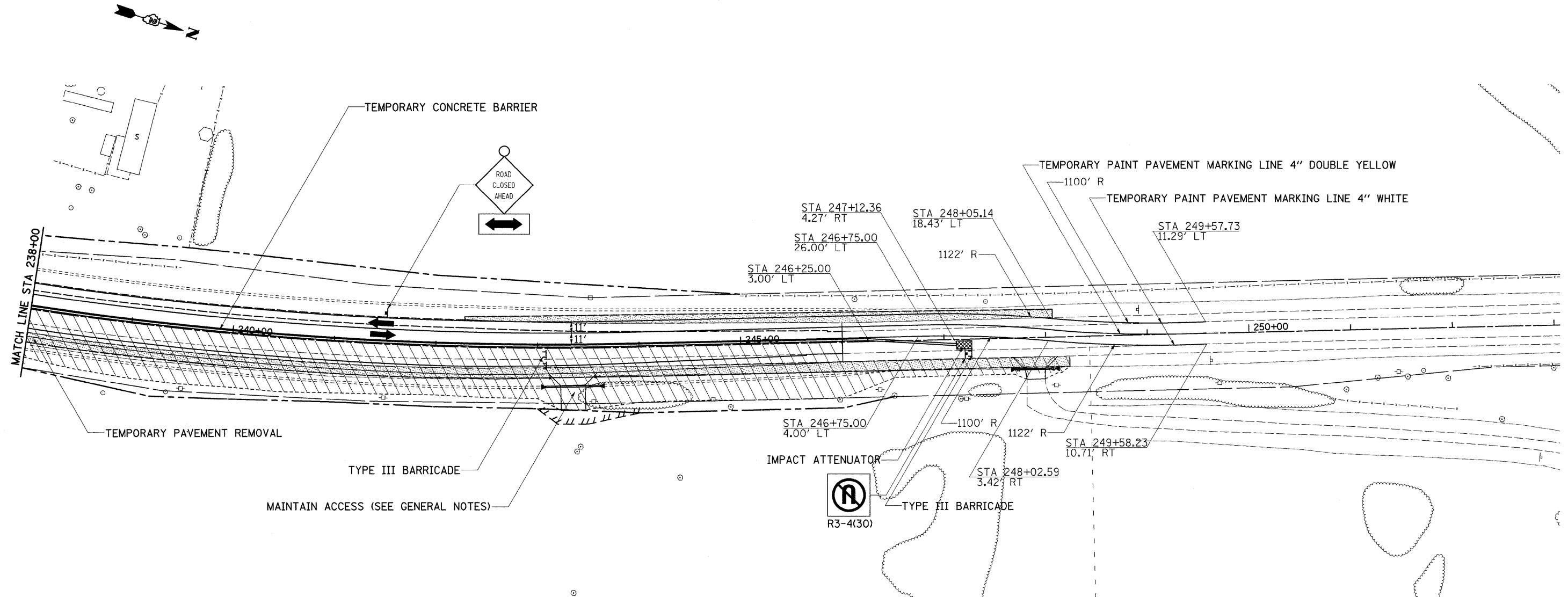
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

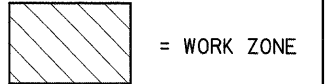
STAGING DETAILS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	27
				CONTRACT NO. 64E34
ILLINOIS FED. AID PROJECT				

STAGE 2



SIGNING & DEVICES TO BE SET UP ACCORDING TO TRAFFIC CONTROL STANDARD 701331



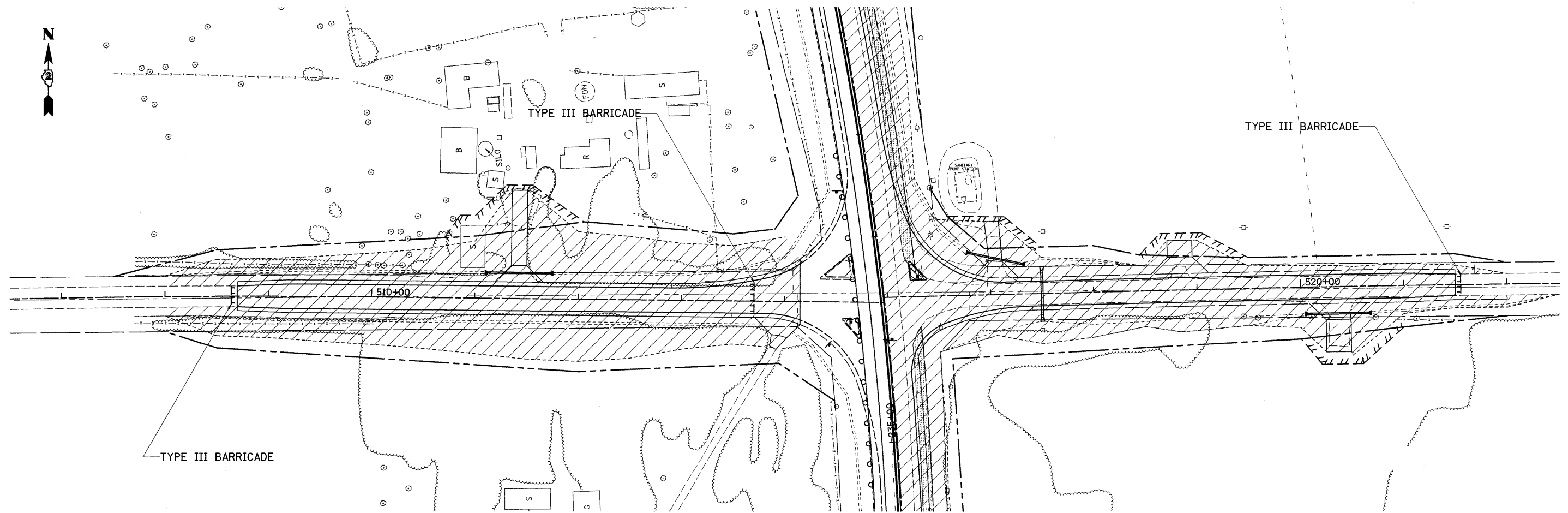
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

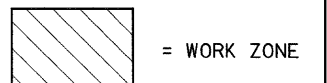
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SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.P. RTE. 754	SECTION 101M-1	COUNTY BOONE	TOTAL SHEETS 74	SHEET NO. 28
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

STAGE 2



SIGNING & DEVICES TO BE SET UP ACCORDING TO DISTRICT STANDARD 40.1



FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -
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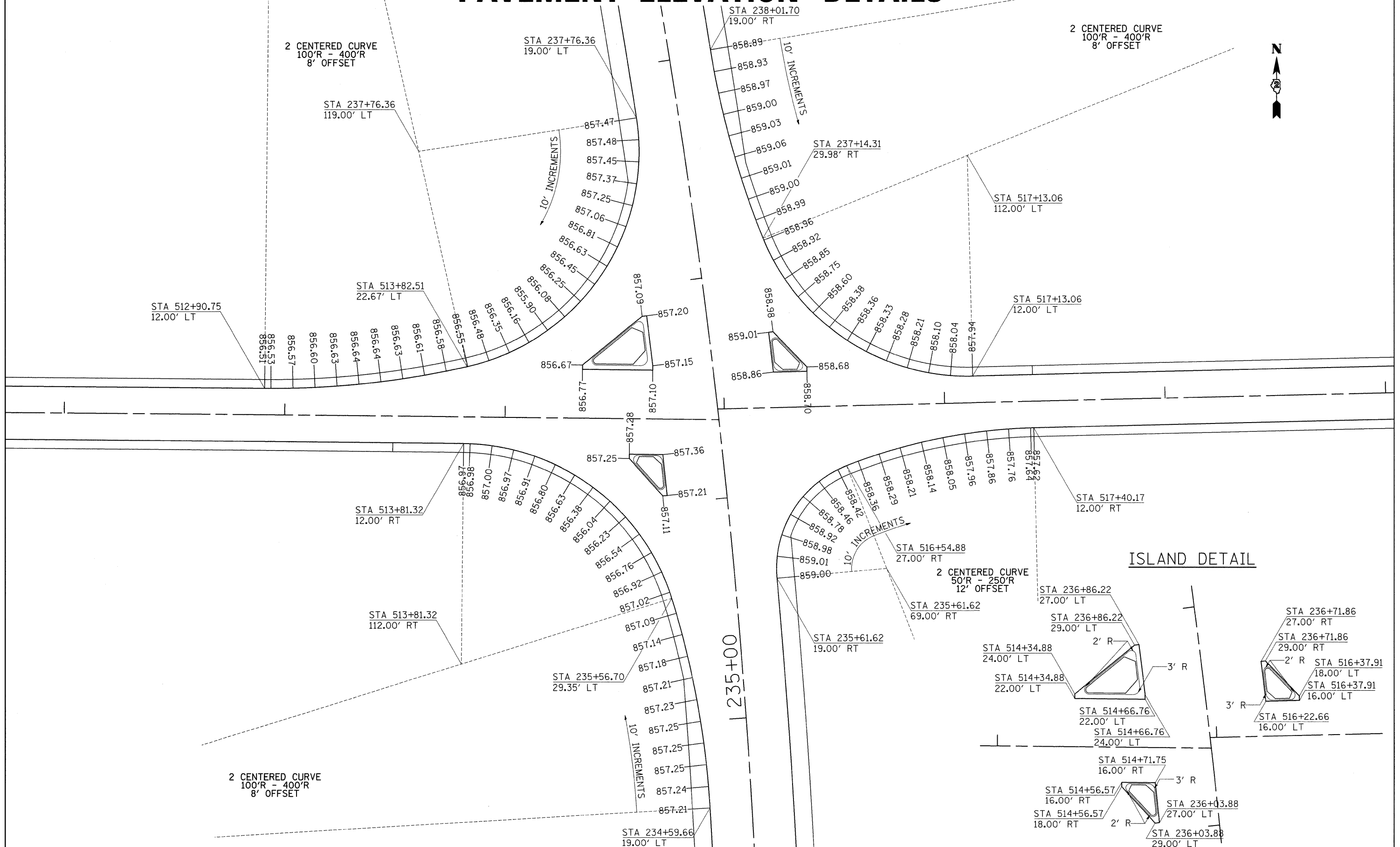
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGING DETAILS

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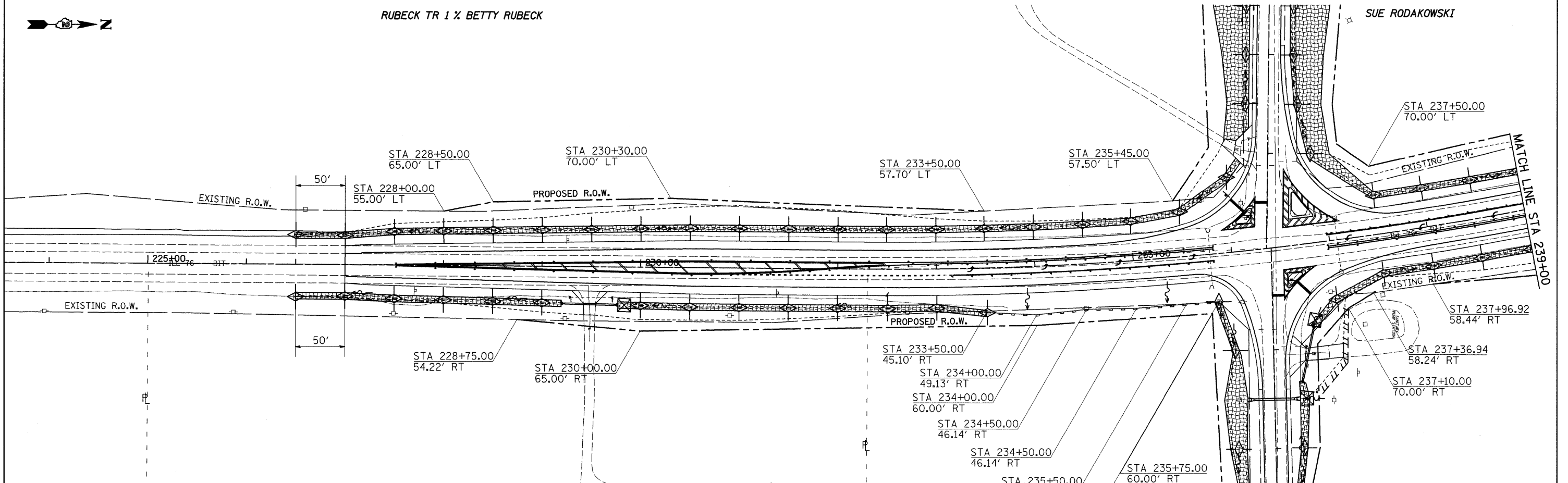
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CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

PAVEMENT ELEVATION DETAILS



FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT ELEVATION DETAILS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = Tue Mar 09 10:16:24 2010		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

EROSION CONTROL & R.O.W. DETAILS



LEGEND

- = EROSION CONTROL BLANKET
- = INLET AND PIPE PROTECTION
- = PERIMETER EROSION BARRIER
- = TEMPORARY DITCH CHECKS

BEL-AIR ESTATES LTD

BEL-AIR ESTATES LTD

BEL-AIR ESTATES LTD

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

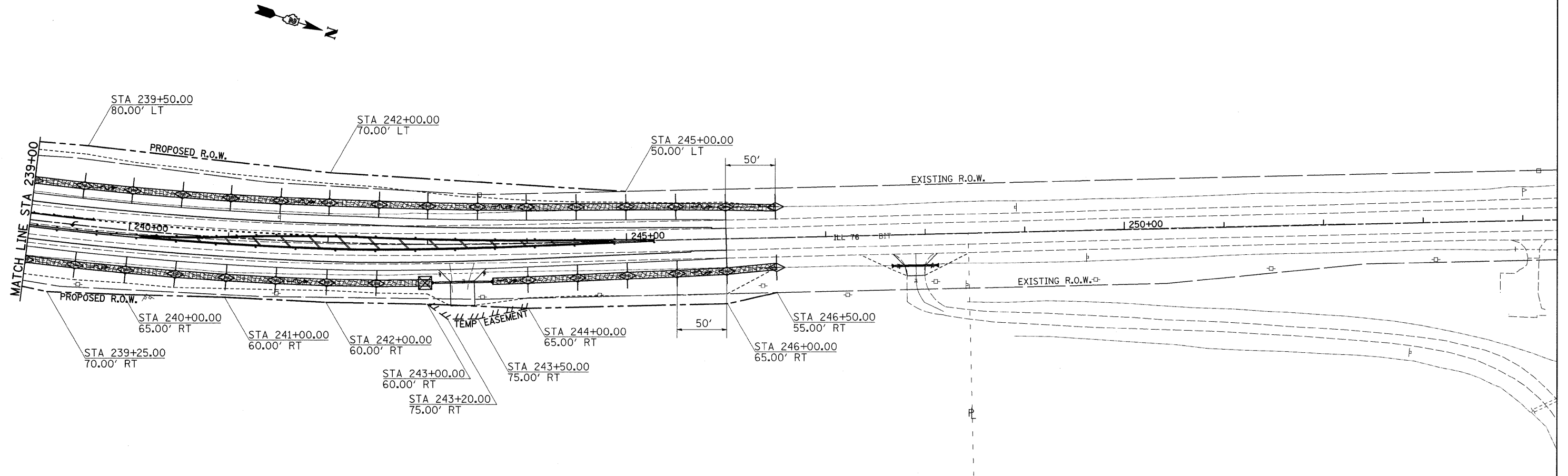
EROSION CONTROL & R.O.W. DETAILS

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

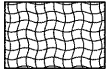

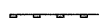
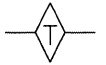
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CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL & R.O.W. DETAILS

SUE RODAKOWSKI



LEGEND

-  = EROSION CONTROL BLANKET
-  = INLET AND PIPE PROTECTION
-  = PERIMETER EROSION BARRIER
-  = TEMPORARY DITCH CHECKS

BEL-AIR ESTATES LTD

THOMAS INV I & THOMAS INV II LLC & OLYMPUS INV II LLC

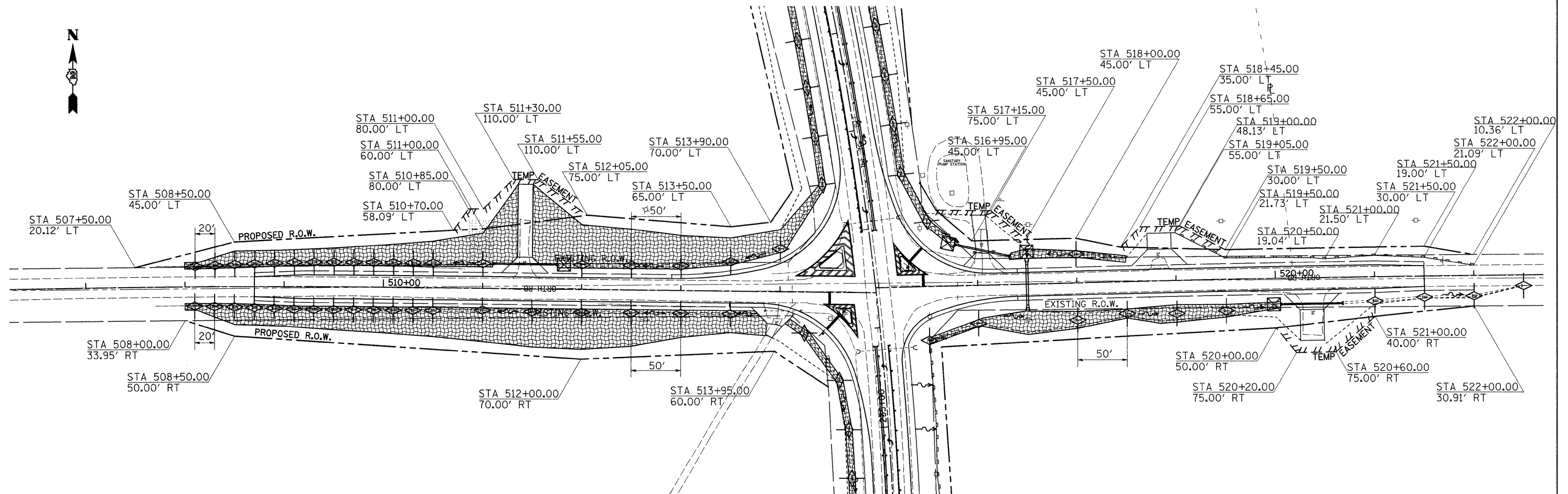
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EROSION CONTROL & R.O.W. DETAILS





BEL-AIR ESTATES LTD

THOMAS INV I & THOMAS INV II
LLC & OLYMPUS INV II LLC

SUE RODAKOWSKI



LEGEND

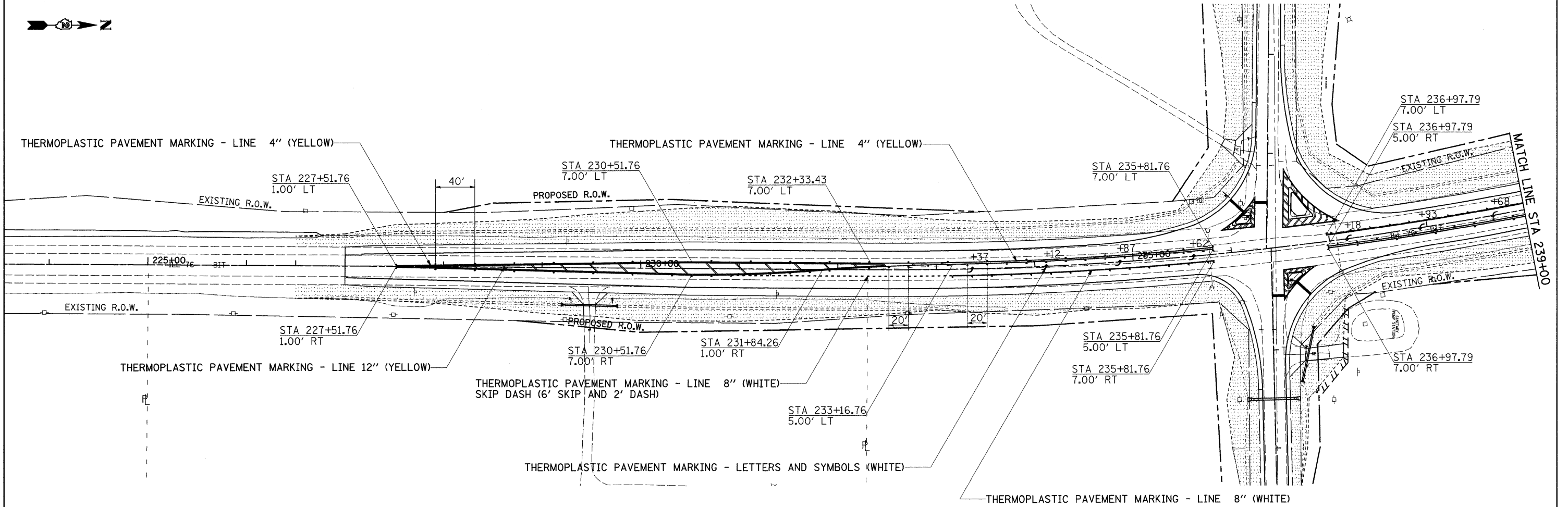
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-  = INLET AND PIPE PROTECTION
-  = PERIMETER EROSION BARRIER
-  = TEMPORARY DITCH CHECKS

RUBECK TR 1 1/2 BETTY RUBECK




BEL-AIR ESTATES LTD

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL & R.O.W. DETAILS	F.A.P. RTE. 754	SECTION 101M-1	COUNTY BOONE	TOTAL SHEETS 74	SHEET NO. 33		
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		DATE -	REVISED -									

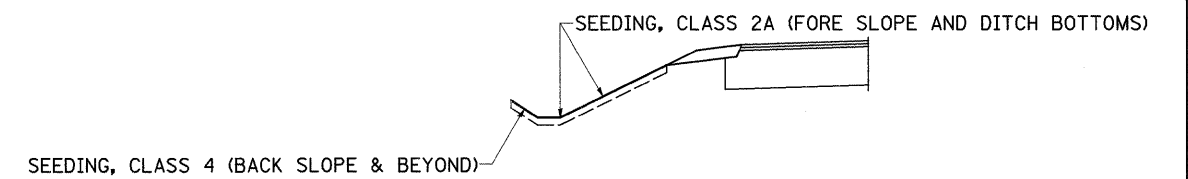
SEEDING & PAVEMENT MARKING DETAILS



LEGEND

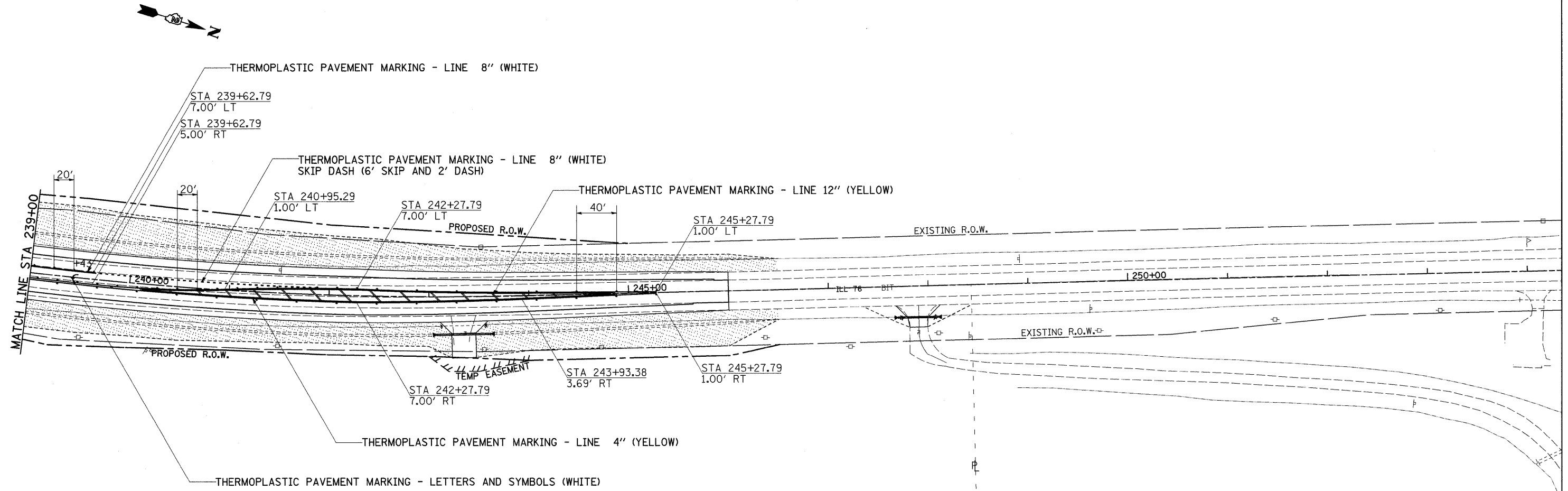
-  = SEEDING (SEE DETAIL)
-  = ONE-WAY CRYSTAL MARKER
-  = TWO-WAY AMBER MARKER

SEEDING DETAIL

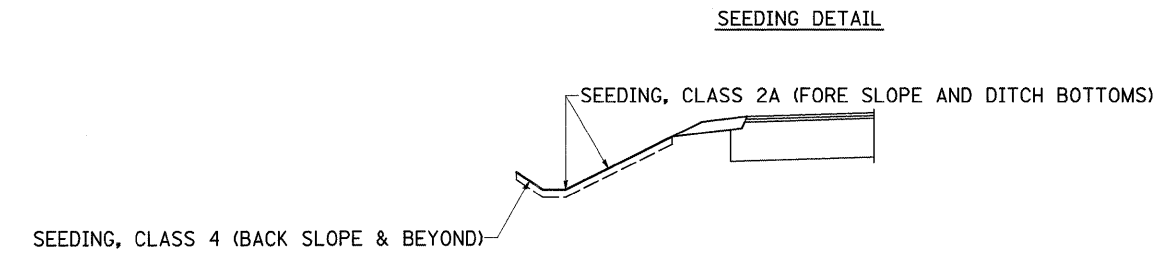


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SEEDING & PAVEMENT MARKING DETAILS

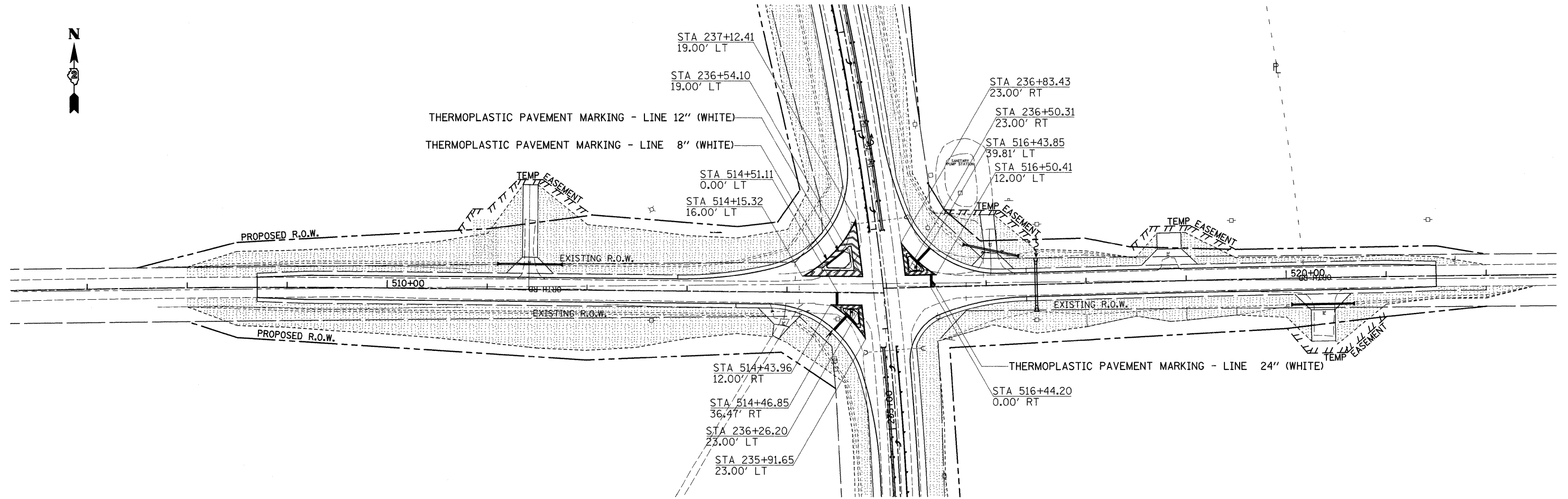


LEGEND	
	= SEEDING (SEE DETAIL)
	= ONE-WAY CRYSTAL MARKER
	= TWO-WAY AMBER MARKER




FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SEEDING & PAVEMENT MARKING DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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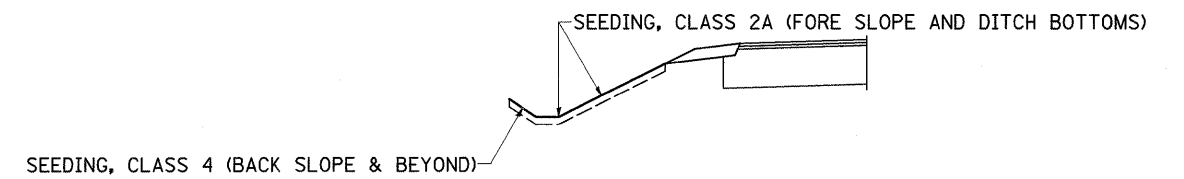
SEEDING & PAVEMENT MARKING DETAILS



LEGEND

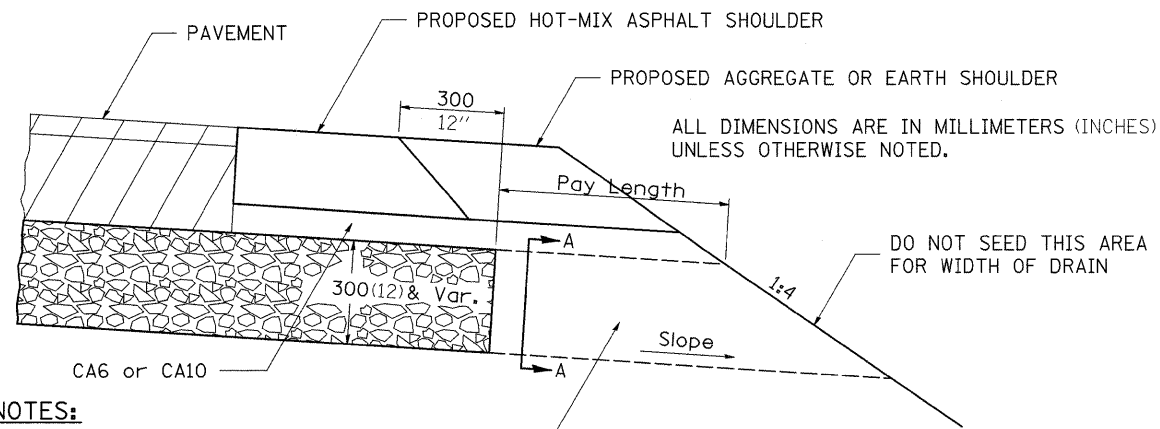
 = SEEDING (SEE DETAIL)

SEEDING DETAIL



FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SEEDING & PAVEMENT MARKING DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwwork\NPWIDOT\GOFFJL\dms85434\200903\pmk.dgn		DRAWN -	REVISED -					754	101M-1	BOONE	74	36
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 64E34				
	PLOT DATE = Tue Mar 09 10:16:48 2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

DRAIN FOR AGGREGATE BASE COURSE



NOTES:

The rock outlets shall be constructed using CA7 and will be paid for at the contract unit price per m² (SQ. YD.) for DRAIN FOR AGGREGATE BASE COURSE. The thickness shall be the same as the adjacent sub-base material as noted on the plans and shall include the cost of the filter fabric. The Rock outlets will be measured in m² (SQ. YD.), the width being 900 (36) by the length shown above. The cost of the CA6 or CA10 under the shoulder shall be included in the contract unit price per m² (SQ. YD.) for SUB-BASE GRANULAR MATERIAL, TYPE A of the thickness specified. The filter fabric to be used shall conform to the filter fabric used for Riprap.

ROCK OUTLET AT ALL LOW POINTS TO BE 900 (36) WIDE AND EXTEND TO FORESLOPE



SECTION A-A

NOTE: Slope same as shoulder with 2% min.

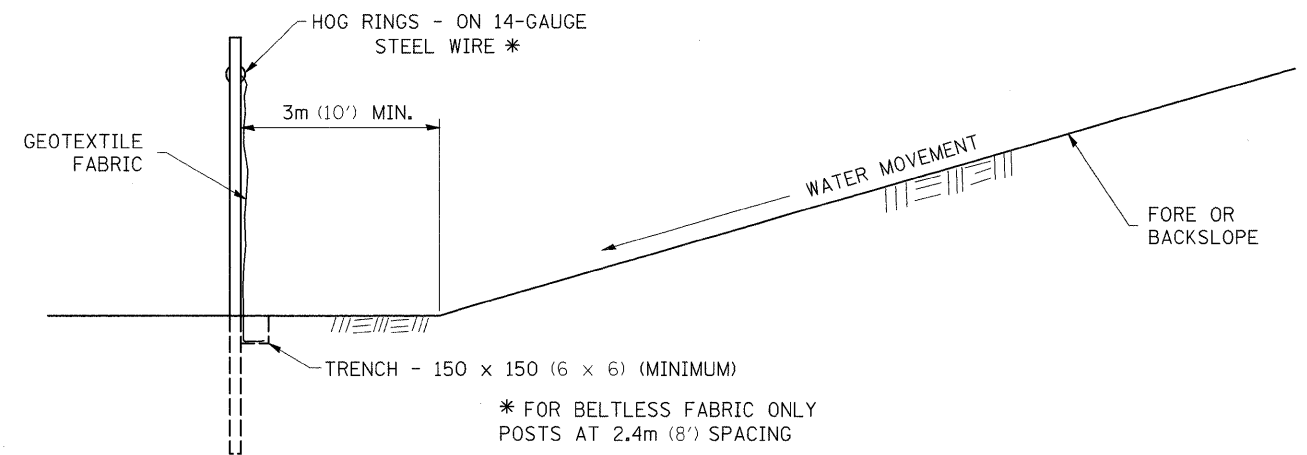
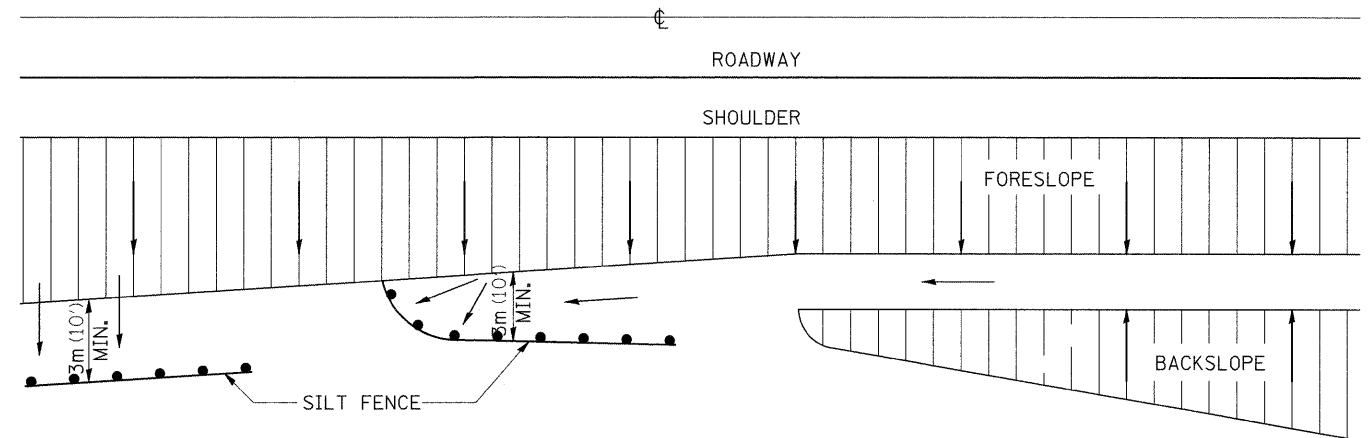
REVISED - 10-10-06

X0325519

DRAIN FOR AGGREGATE BASE COURSE

96.4

EROSION CONTROL DETAILS FOR SILT FENCE



DETAILS OF SILT FENCE

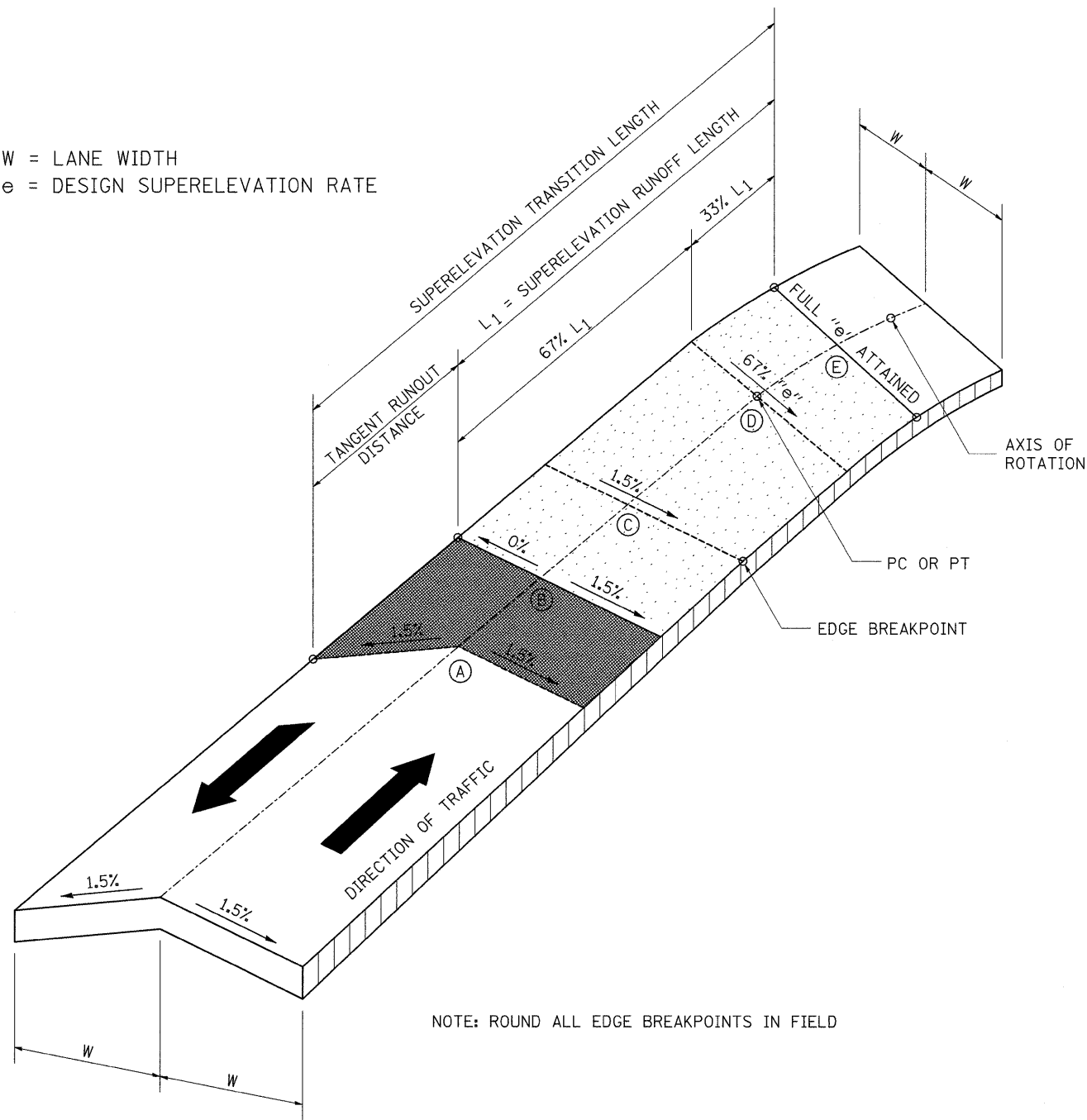
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 10-22-01	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		754	101M-1	BOONE	74	38
REVISED -		CONTRACT NO. 64E34				
REVISED -		SCALE: 50.0000' / 1" IN	SHEET NO.	OF	SHEETS	STA.

PLOT DATE = Wed Mar 10 09:56:19 2010

SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY

W = LANE WIDTH
e = DESIGN SUPERELEVATION RATE



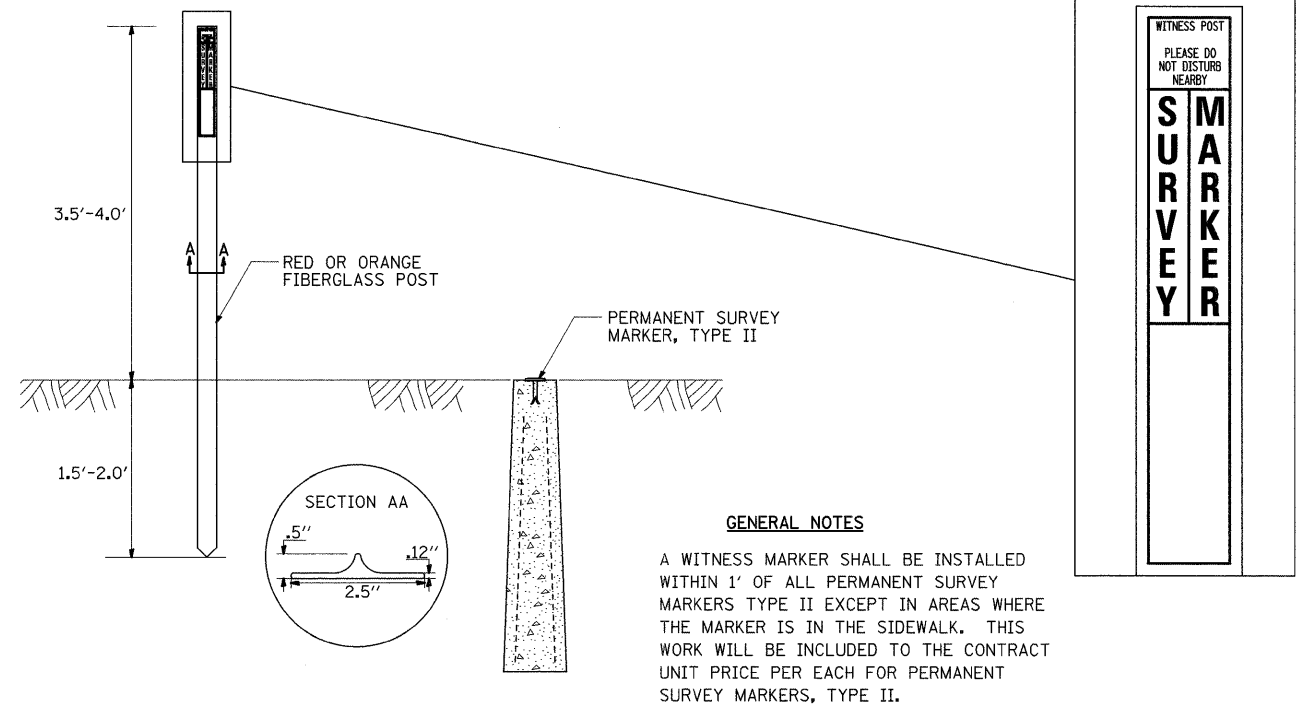
NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD

TRANSITION CURVE TABLE

CURVE PI STA.	SUPERELEVATION "e"	W	SUPERELEVATION TRANSITION LENGTH	TANGENT RUNOUT DISTANCE	SUPERELEVATION RUNOFF LENGTH
238+19.18	4.00 %	19	223	61	162

REVISED - 11-09-06

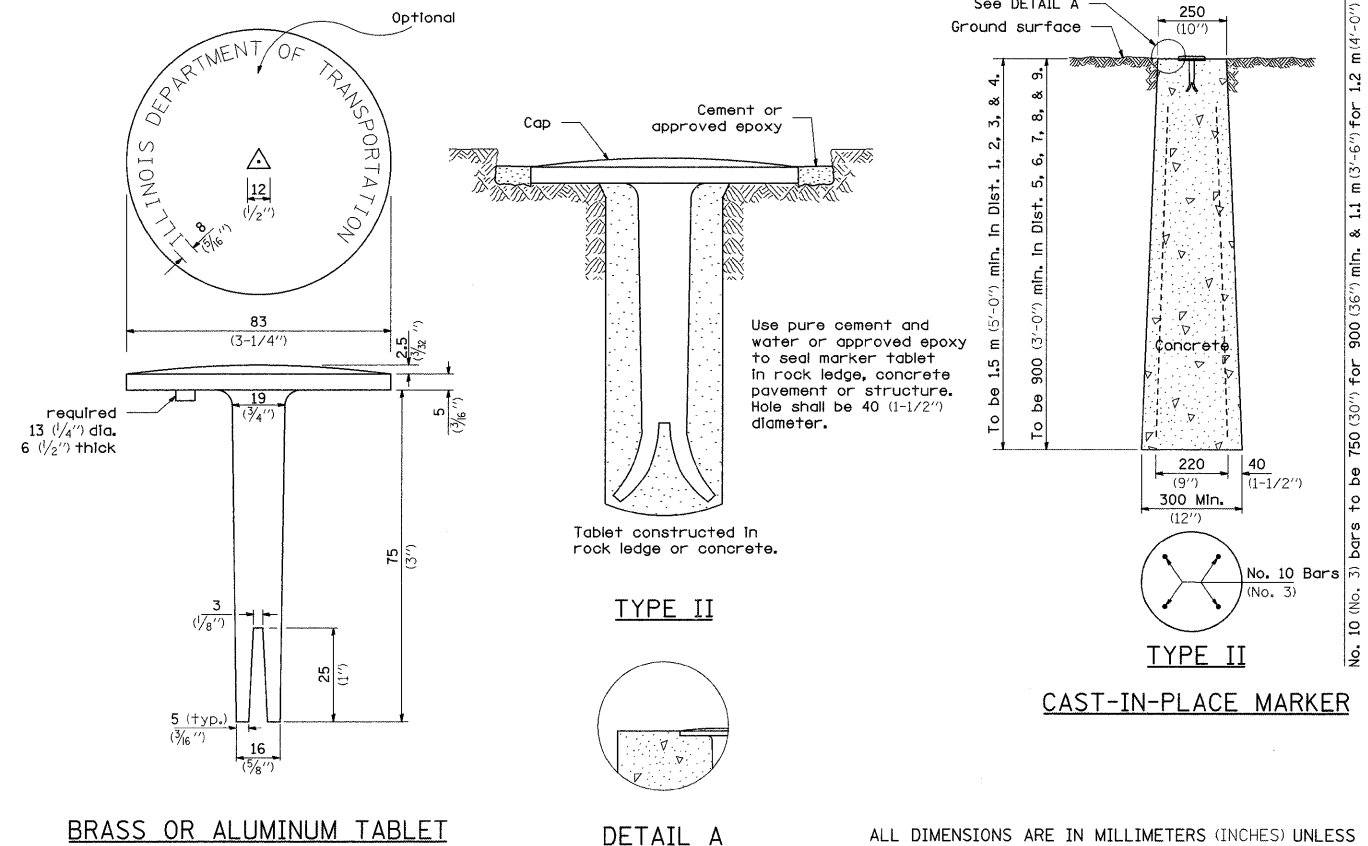
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



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

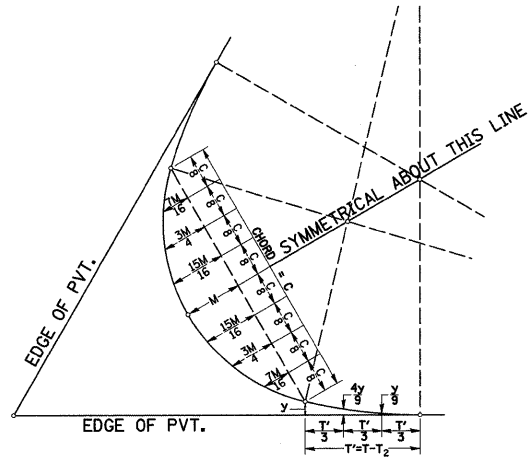
DETAIL A

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

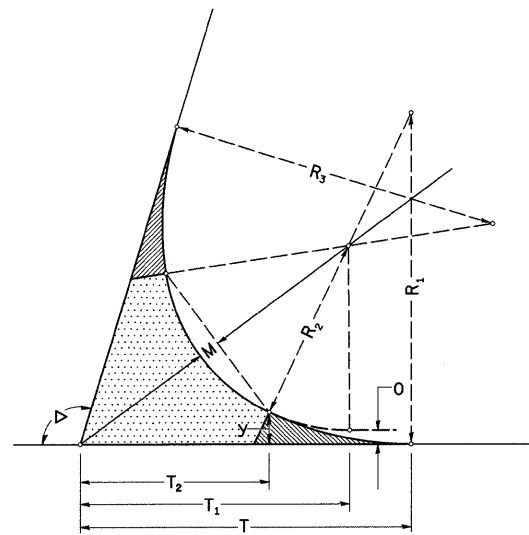
REVISED - 10-21-08	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE. 754	SECTION 101M-1	COUNTY BOONE	TOTAL SHEETS 74	SHEET NO. 39
REVISED -		CONTRACT NO. 64E34				
REVISED -		SCALE: 50.0000' / 1" SHEET NO. OF SHEETS STA. TO STA.				
REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

THREE CENTER CURVE DATA

SYMMETRICAL CURVES



FIELD LAYOUT METHOD

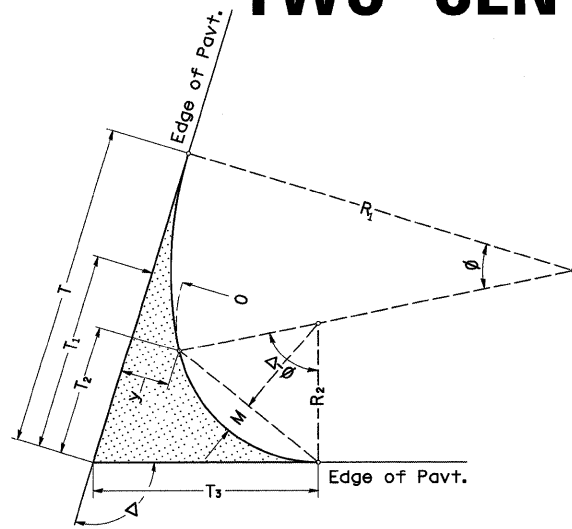


FOR SYMMETRICAL CURVES

CURVE #							
R ₁							
R ₂							
R ₃							
O							
Δ							
T							
T ₁							
T ₂							
T'							
y							
4y/9							
y/9							
M							
15M/16							
3M/4							
7M/16							
C							

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

TWO CENTER CURVE DATA



TWO CENTER CURVES

CURVE #	1	2					
R ₁	400.00	250.00					
R ₂	100.00	50.00					
O	8.00	12.00					
Δ	83.02	84.91					
T	156.34	112.91					
T ₁	87.52	44.68					
T ₂	64.58	27.62					
T ₃	96.56	57.79					
y	10.67	15.00					
4y/9	4.74	6.67					
y/9	1.19	1.67					
M	17.96	7.82					
15M/16	16.84	7.33					
3M/4	13.47	5.87					
7M/16	7.86	3.42					
C	114.37	53.70					

REVISED - 3-22-90

REVISED -	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		754	101M-1	BOONE	74	40
REVISED -		CONTRACT NO. 64E34				
REVISED -		SCALE: 50.0000' / 1" 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 RECONSTRUCTION OF ALL LEGS OF THE INTERSECTION PROVIDING NEW VERTICAL PROFILES.

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) 3.3 ACRES
 PROPOSED R.O.W (TOTAL PARCEL AREA) 1.99 ACRES
 DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 3.3 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

EXISTING DRAINAGE ON BOTH SIDES OF THE LEGS OF THE INTERSECTION

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:

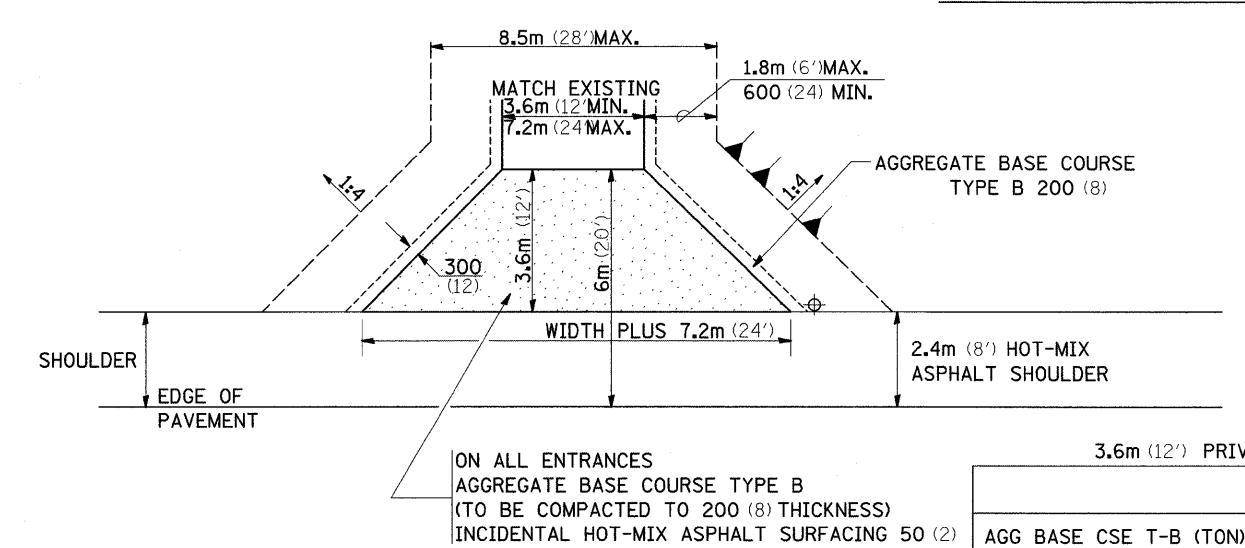
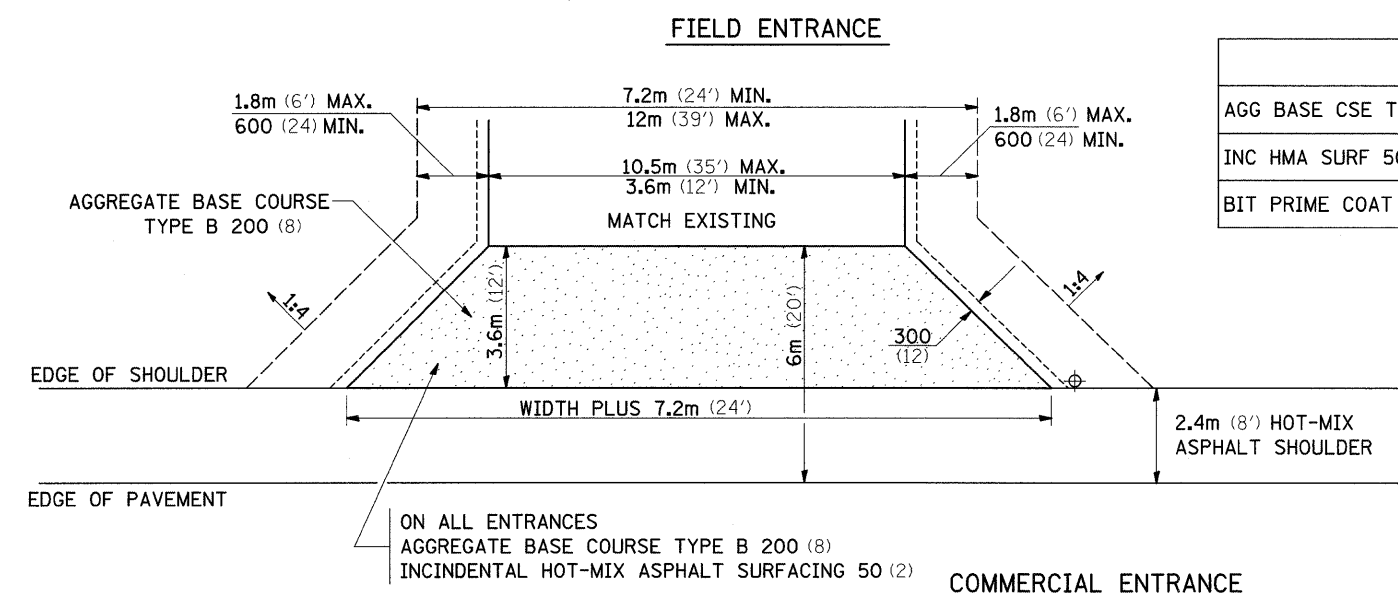
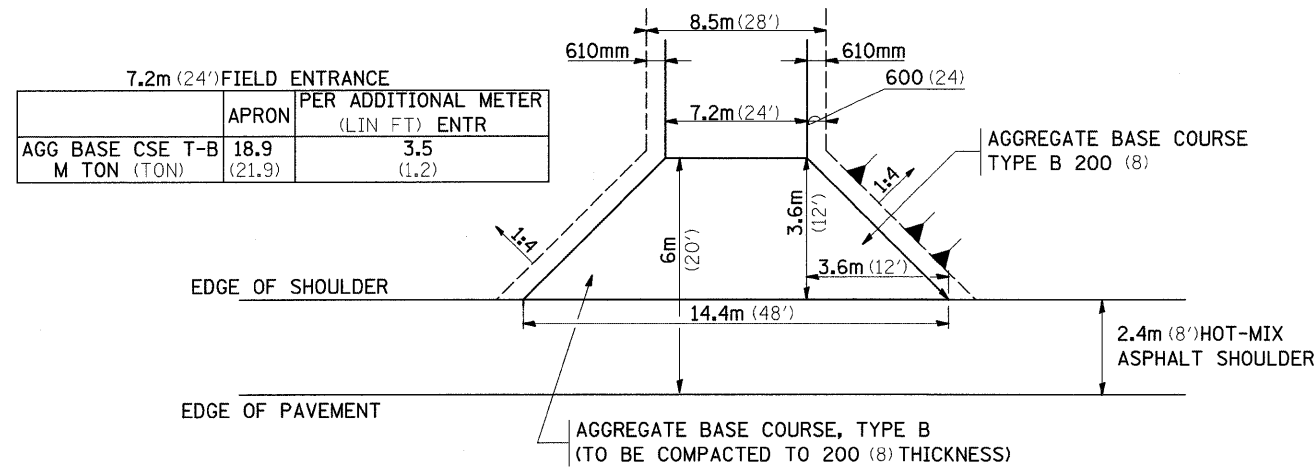
AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING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

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED - 5-12-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct\pw_work\VPWIDOT\GOFFJL\dms85448\200908\p1.dgn	8apl.dgn	DRAWN -	REVISED -			754	101M-1	BOONE	74	41	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -				CONTRACT NO. 64E34					
PLOT DATE = Wed Mar 10 09:56:21 2010	DATE -	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

ENTRANCE AND SIDEROADS WITH 2.4m (8') HOT-MIX ASPHALT SHOULDERS

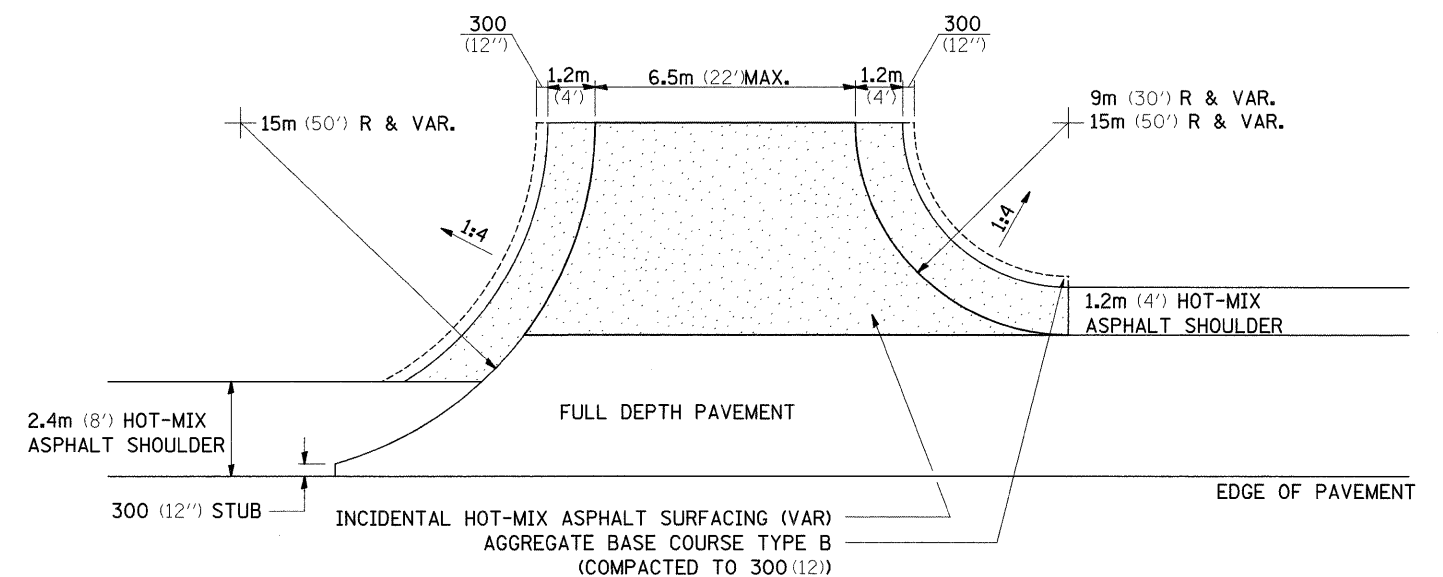


	COMMERCIAL ENTRANCE		PER METER ENTR (FOOT)	
	3.6m (12')	10.5m (35')	3.6m (12')	10.5m (35')
AGG BASE CSE T-B (TON)	14.3 (15.8)	27.0 (29.8)	0.64 (0.70)	1.70 (1.87)
INC HMA SURF 50 (2) (TON)	3.3 (3.6)	6.35 (7.0)	0.14 (0.15)	0.40 (0.44)
BIT PRIME COAT (TON)	0.042 (0.046)	0.082 (0.090)	0.002 (0.002)	0.005 (0.006)

	3.6m (12') PRIVATE ENTRANCE		PER METER ENTR (FOOT)	
	3.6m (12')	7.2m (24')	3.6m (12')	7.2m (24')
AGG BASE CSE T-B (TON)	14.3 (15.8)	21.0 (23.1)	0.64 (0.70)	1.20 (1.32)
INC HMA SURF 50 (2) (TON)	3.3 (3.6)	4.9 (5.4)	0.14 (0.15)	0.27 (0.30)
BIT PRIME COAT (TON)	0.042 (0.046)	0.063 (0.069)	0.002 (0.002)	0.004 (0.004)

NOTE

- ① ALL PE & CE ARE TO BE INCIDENTAL HOT-MIX ASPHALT SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
- ② FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICH EVER IS GREATEST.
- ③ QUANTITIES ARE CALCULATED WITH 2.4m HOT-MIX ASPHALT SHOULDER IN PLACE. AGGREGATE QUANTITIES SHOWN ARE FOR NEW CONSTRUCTION.
- ④ EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE CONSIDERED INCLUDED TO THE AGGREGATE BASE COURSE.
- ⑤ ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

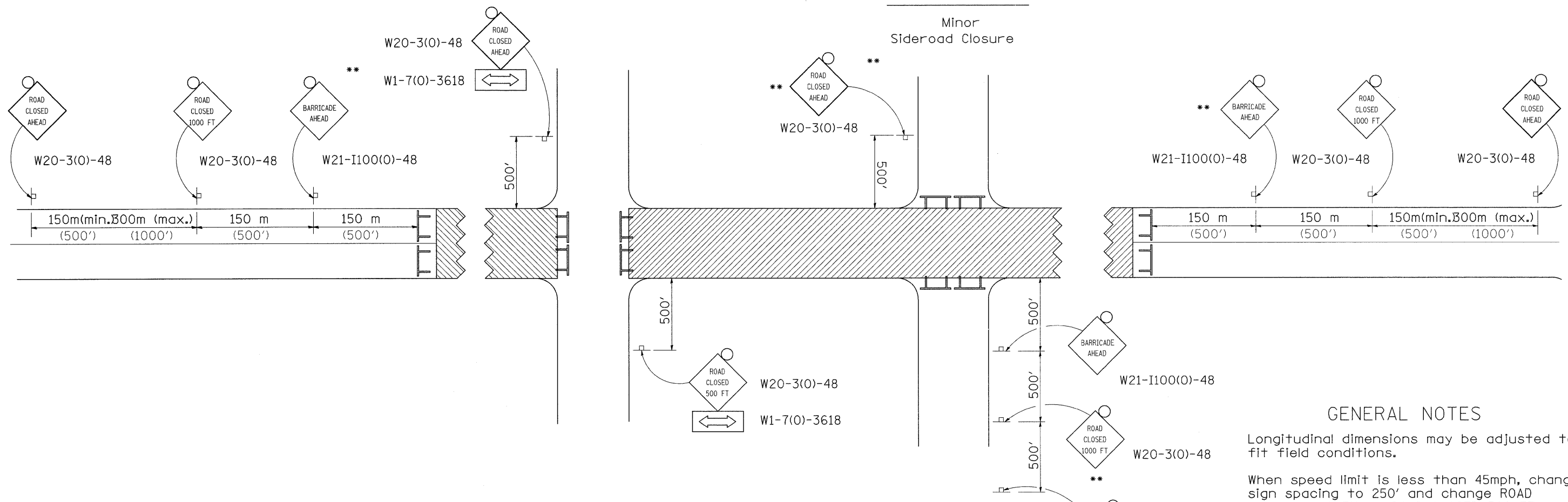


FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED - 1-15-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct\pw\work\VPWIDOT\GOFFJL\dms85448\ad898ap1.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -			754	101M-1	BOONE	74	42	
PLOT DATE = Wed Mar 10 09:56:21 2010		CHECKED -	REVISED -			CONTRACT NO. 64E34					
		DATE -	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.					

TRAFFIC CONTROL FOR ROAD CLOSURE

CONDITION II

Minor Sideroad Closure



CONDITION I

Major Sideroad Closure

GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

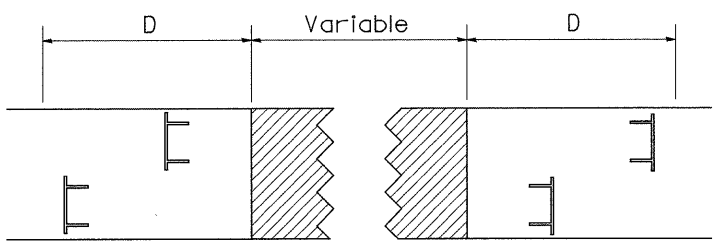
When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

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

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




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

ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To All Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 600 m (2000') an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

SYMBOLS

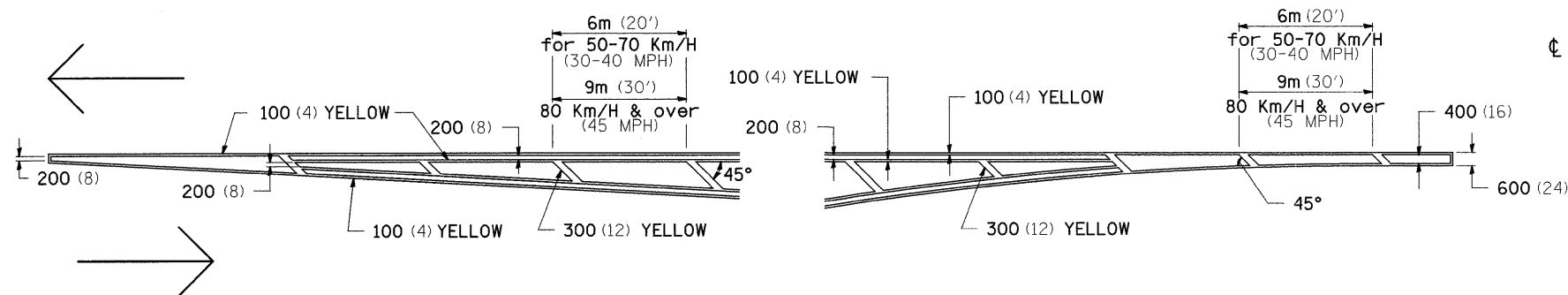
-  Work area
-  Type III Barricade with Flashers
-  Sign with flashing light

TYPICAL APPLICATION FOR ROAD CLOSURE

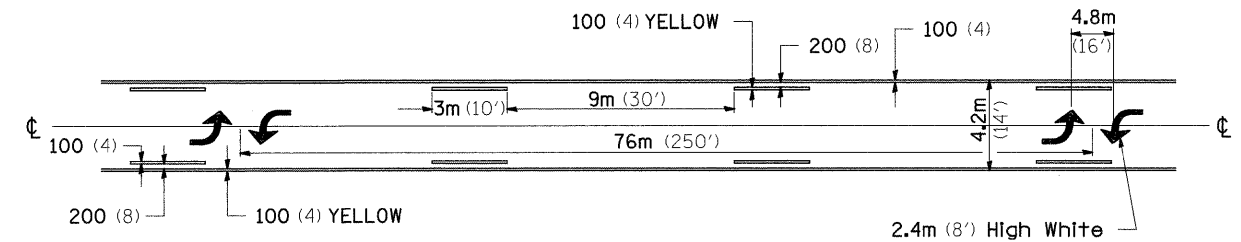
FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED - 1-11-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
gs:\pw_work\PMIDOT\GOFFJL\dms85448\ad8998apl.dgn		DRAWN -	REVISED -						754	101M-1	BOONE	74	43
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 64E34		
PLOT DATE = Wed Mar 10 09:56:22 2010		DATE -	REVISED -										

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

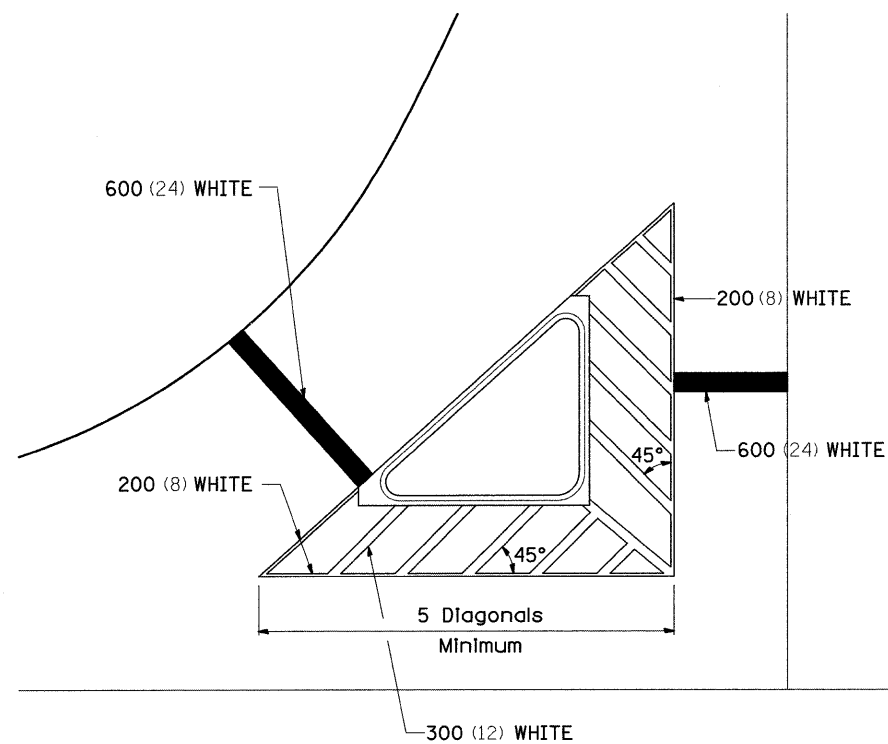


MEDIAN PAVEMENT MARKING

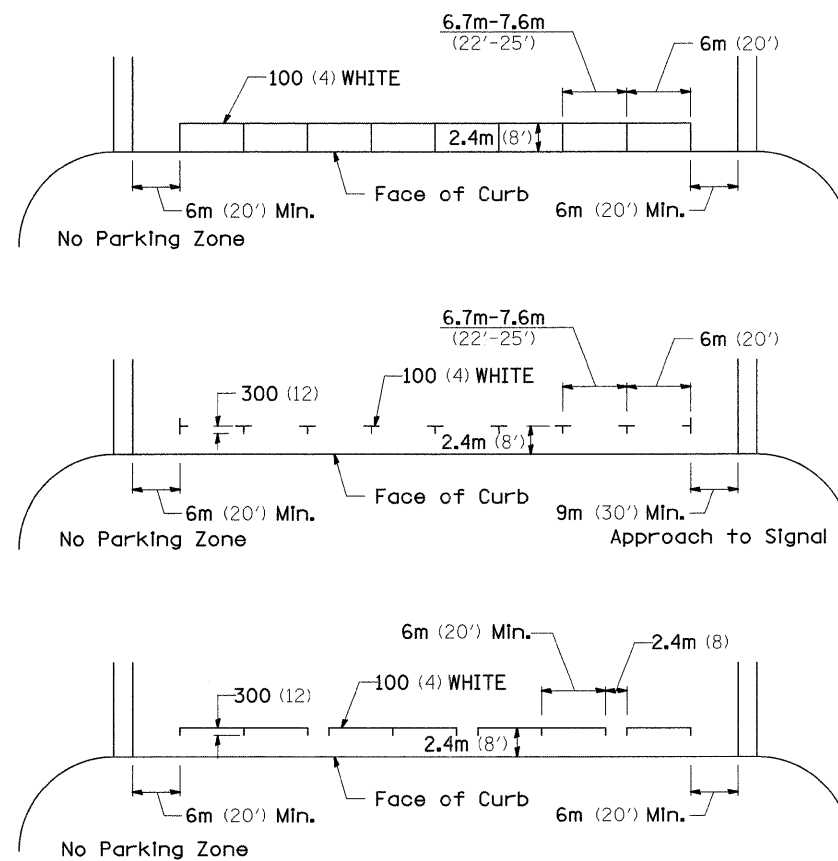


•• ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

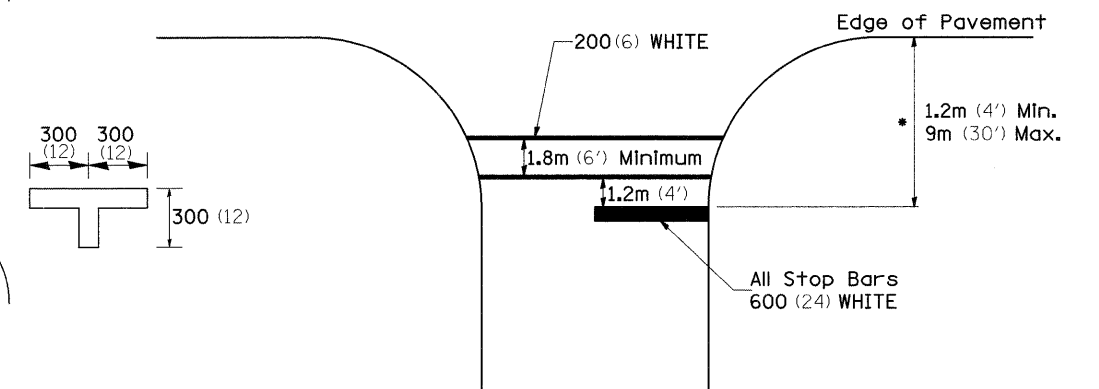


TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations

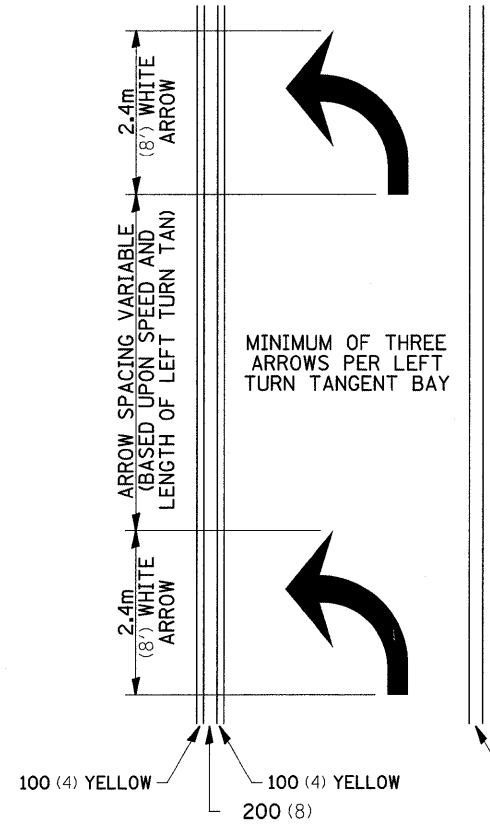


* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED - 10-21-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
os\pwwork\VPWIDOT\GOFFJL\dms85448\080908apl.dgn	DRAWN -	REVISED -	754			101M-1	BOONE	74	44	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 64E34							
PLOT DATE = Wed Mar 10 09:56:22 2010	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

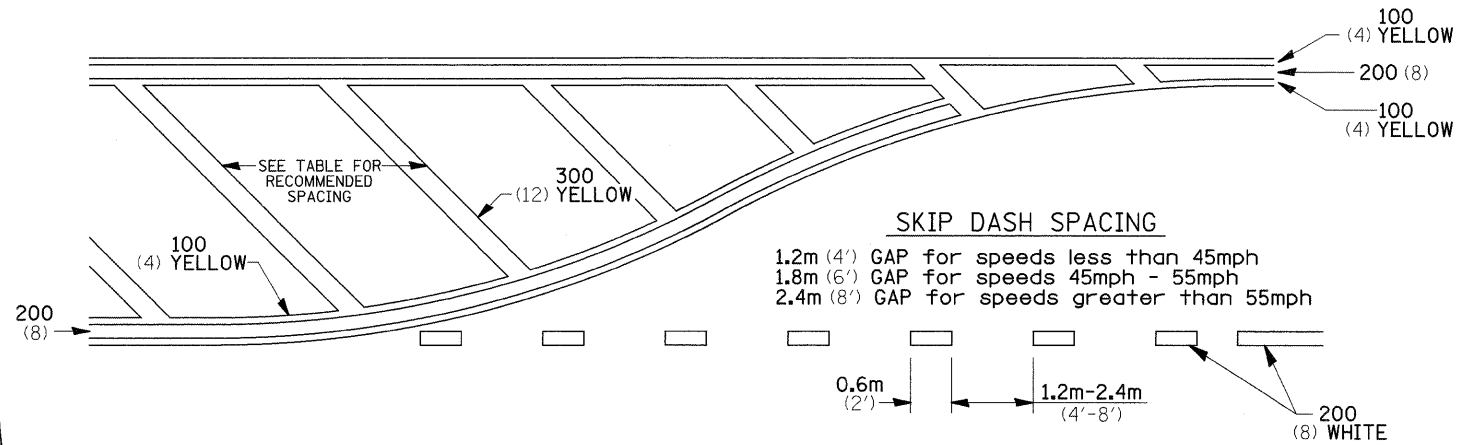
TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT



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

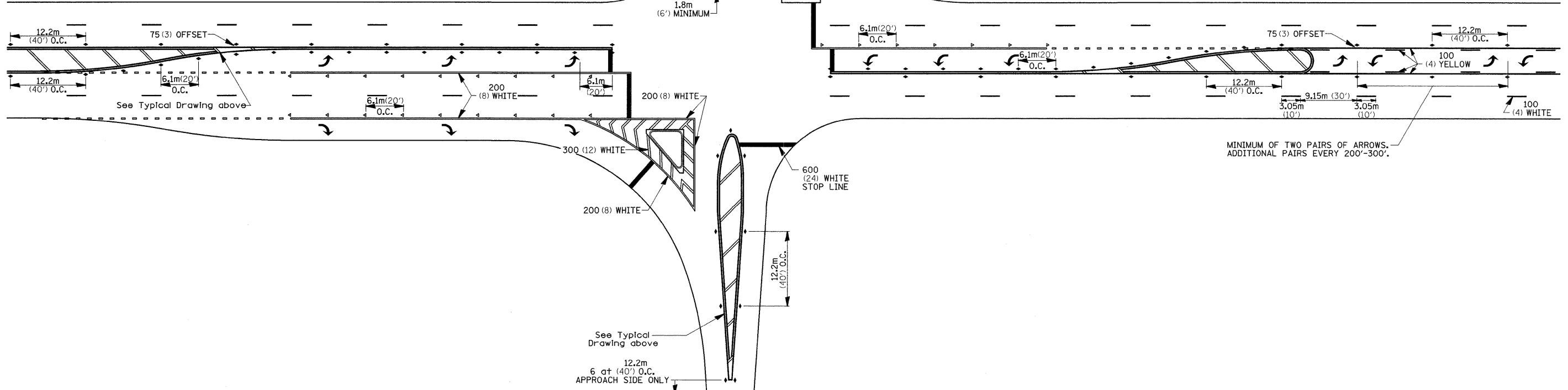
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

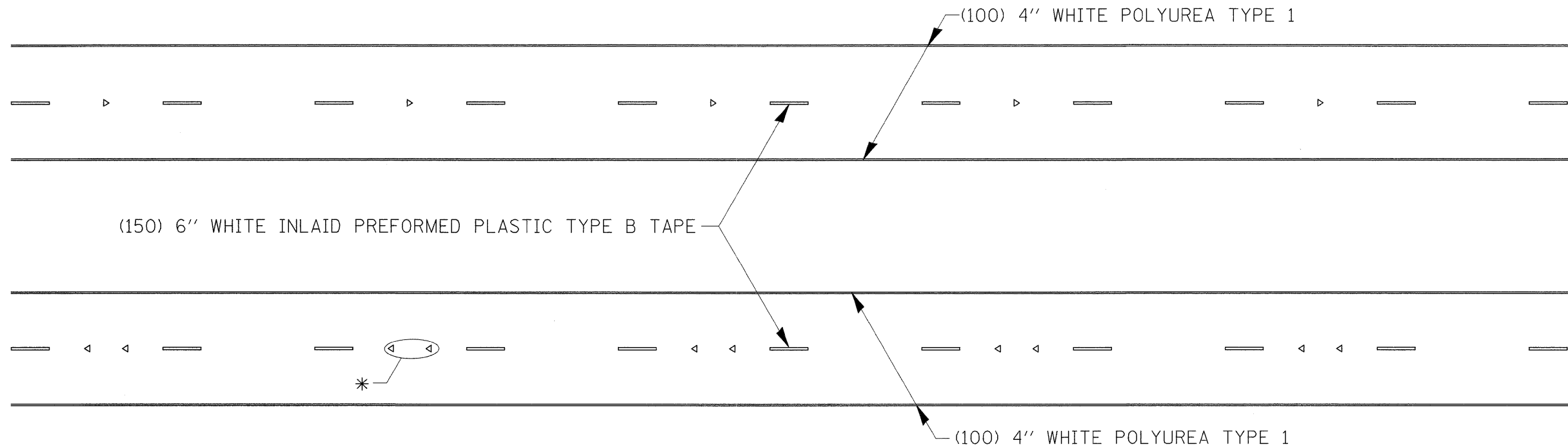
Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

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.



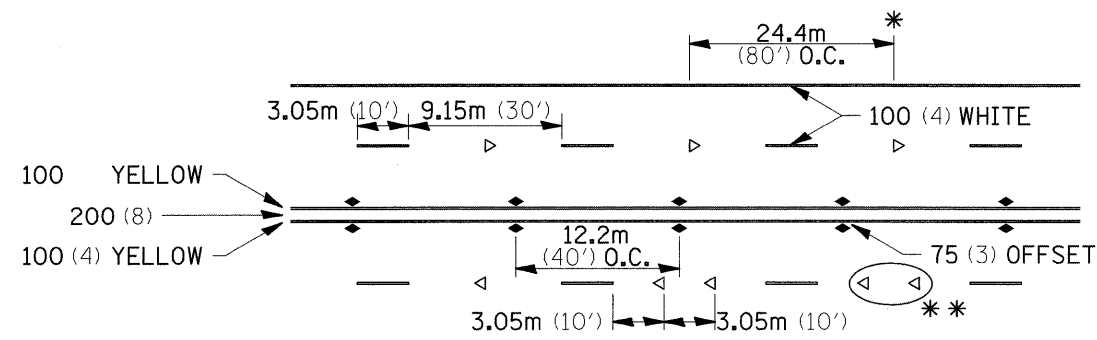
FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED - 10-21-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\VPWIDOT\G0FFJL\dma85448\ad8998apl.dgn		DRAWN -	REVISED -		754	101M-1	BOONE	74	45				
PLOT SCALE = 50.00000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 64E34								
PLOT DATE = Wed Mar 10 09:56:23 2010		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

TYPICAL PAVEMENT MARKINGS



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

MULTI-LANE / DIVIDED

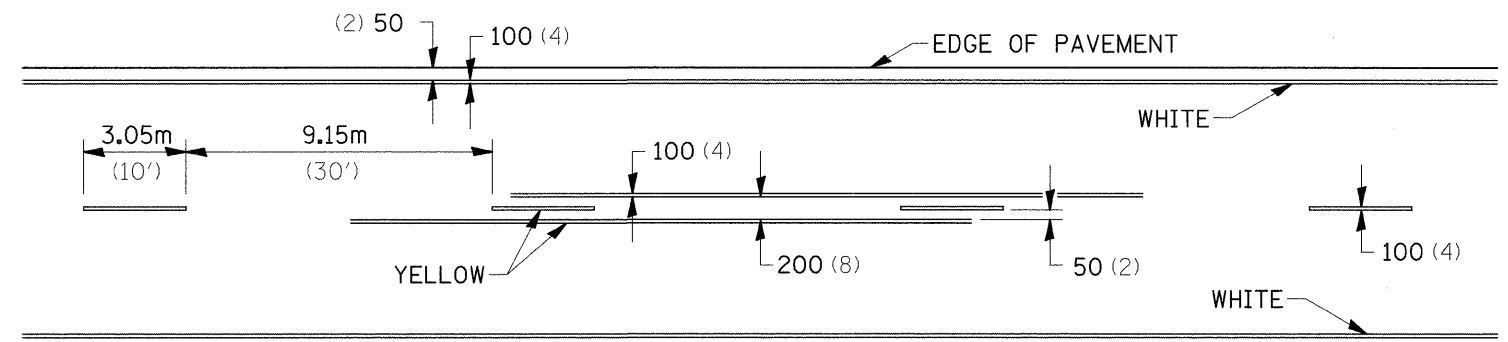


* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15km/H (10MPH) LOWER THAN POSTED SPEEDS.

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

MULTI-LANE / UNDIVIDED

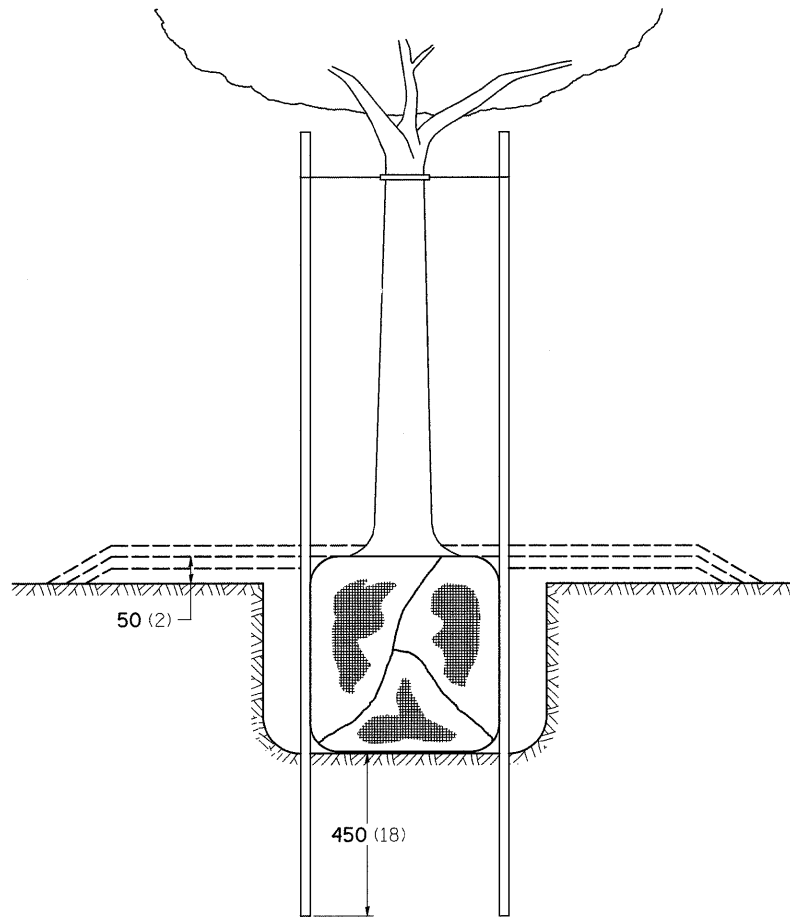
TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



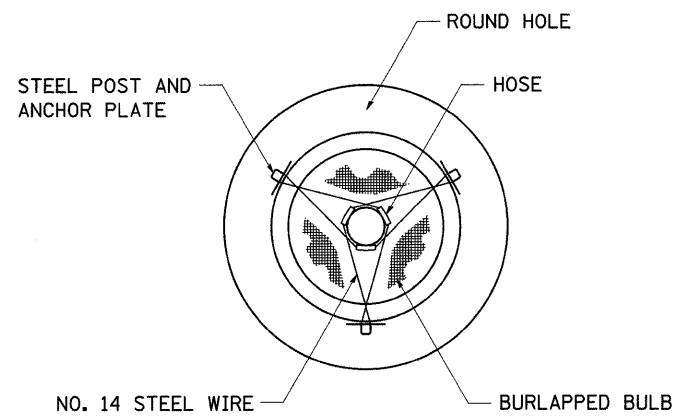
SYMBOLS

FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED - 10-21-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr\pw_work\VPWIDOT\GOFFJL\dms85448\vd0998apl.dgn		DRAWN -	REVISED -			754	101M-1	BOONE	74	46	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 64E34					
PLOT DATE = Wed Mar 10 09:56:23 2010		DATE -	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

DETAILS OF PLANTING AND BRACING TREES

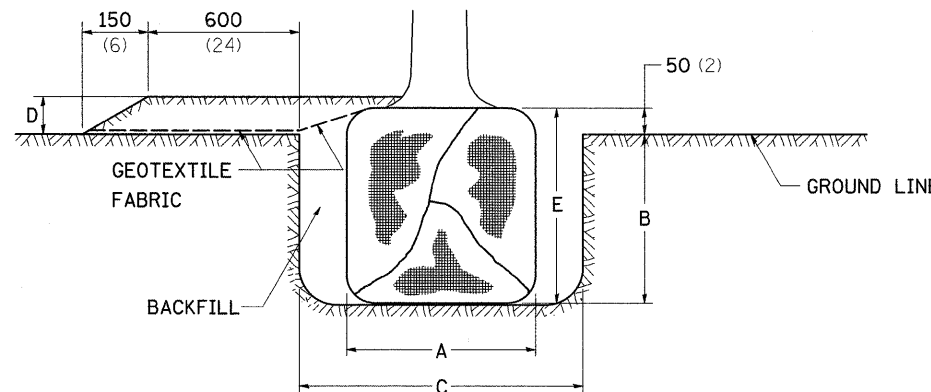


TREES SMALLER THAN 115 (4 1/2) IN DIAMETER

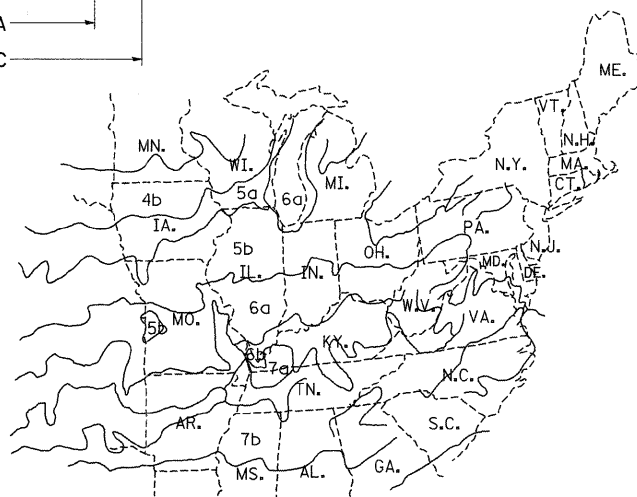
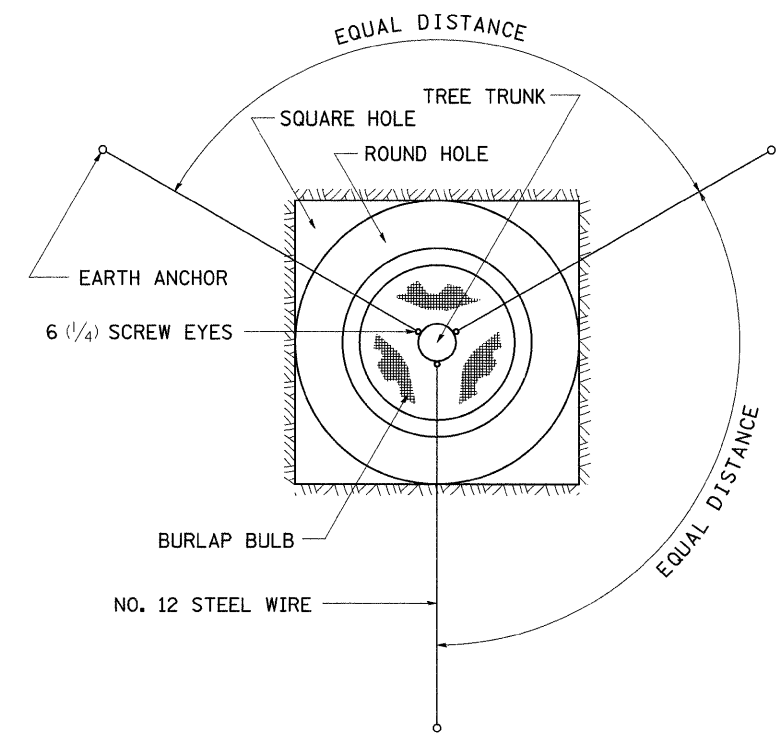
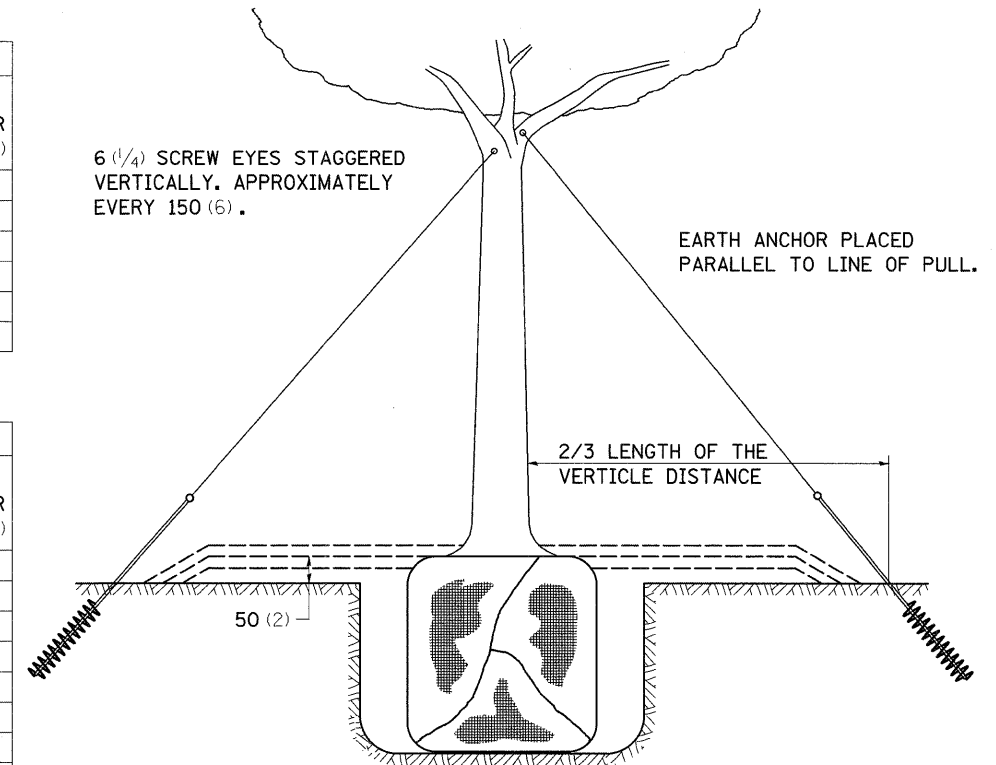


SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m ³ (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250 (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



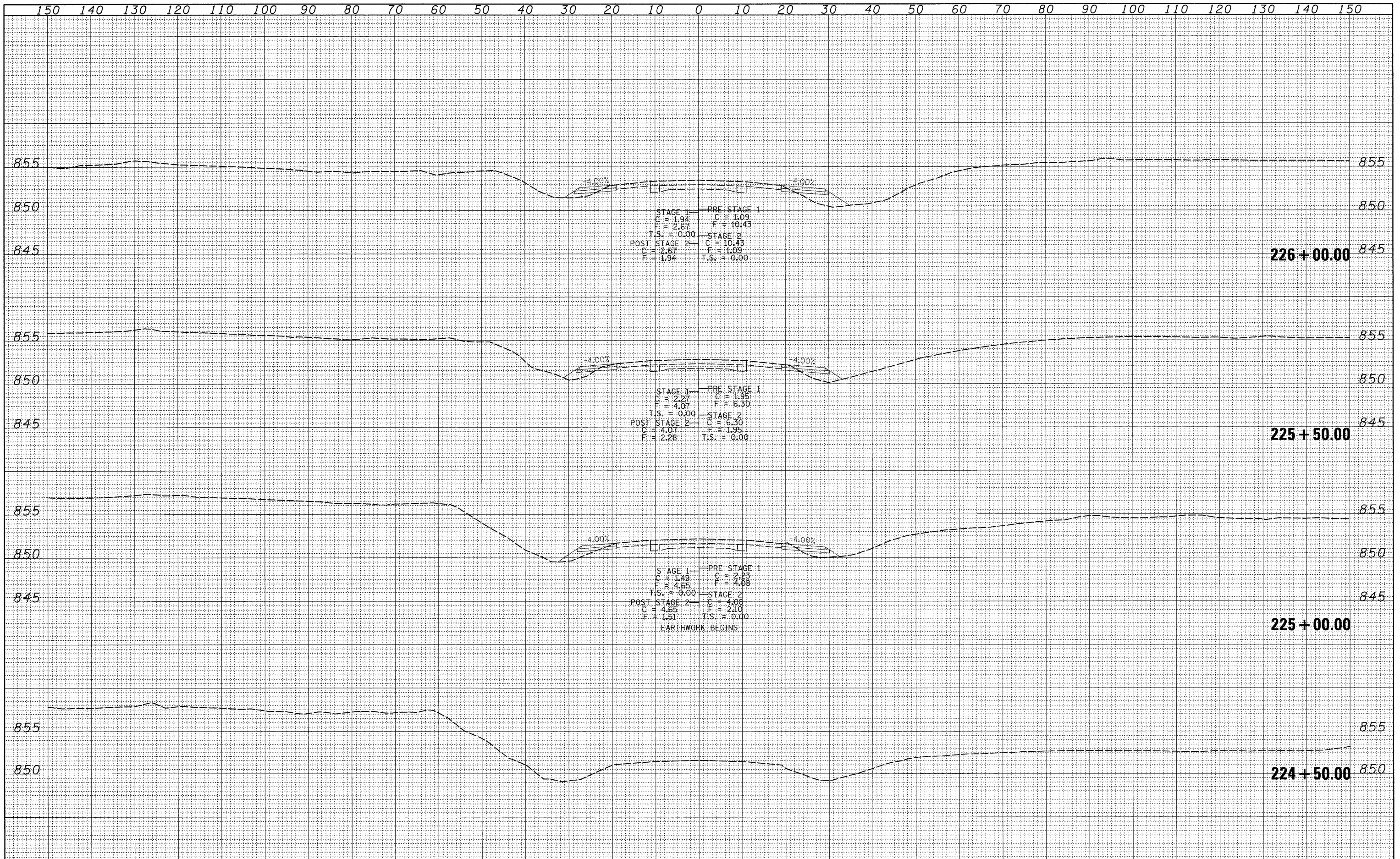
PLANT HARDINESS ZONE MAP
U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814

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

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PLOT DATE = Wed Mar 10 09:56:24 2010		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

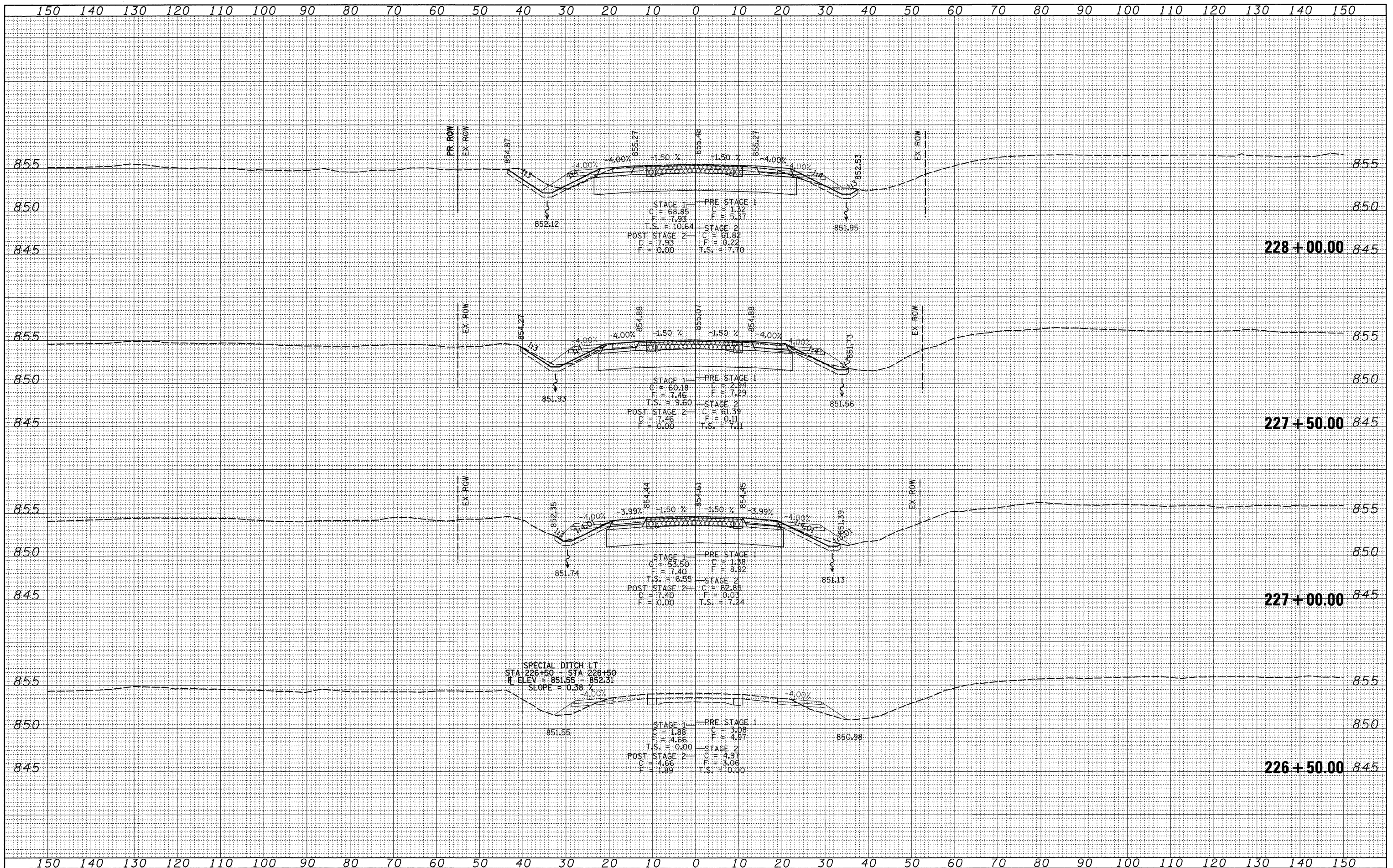
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

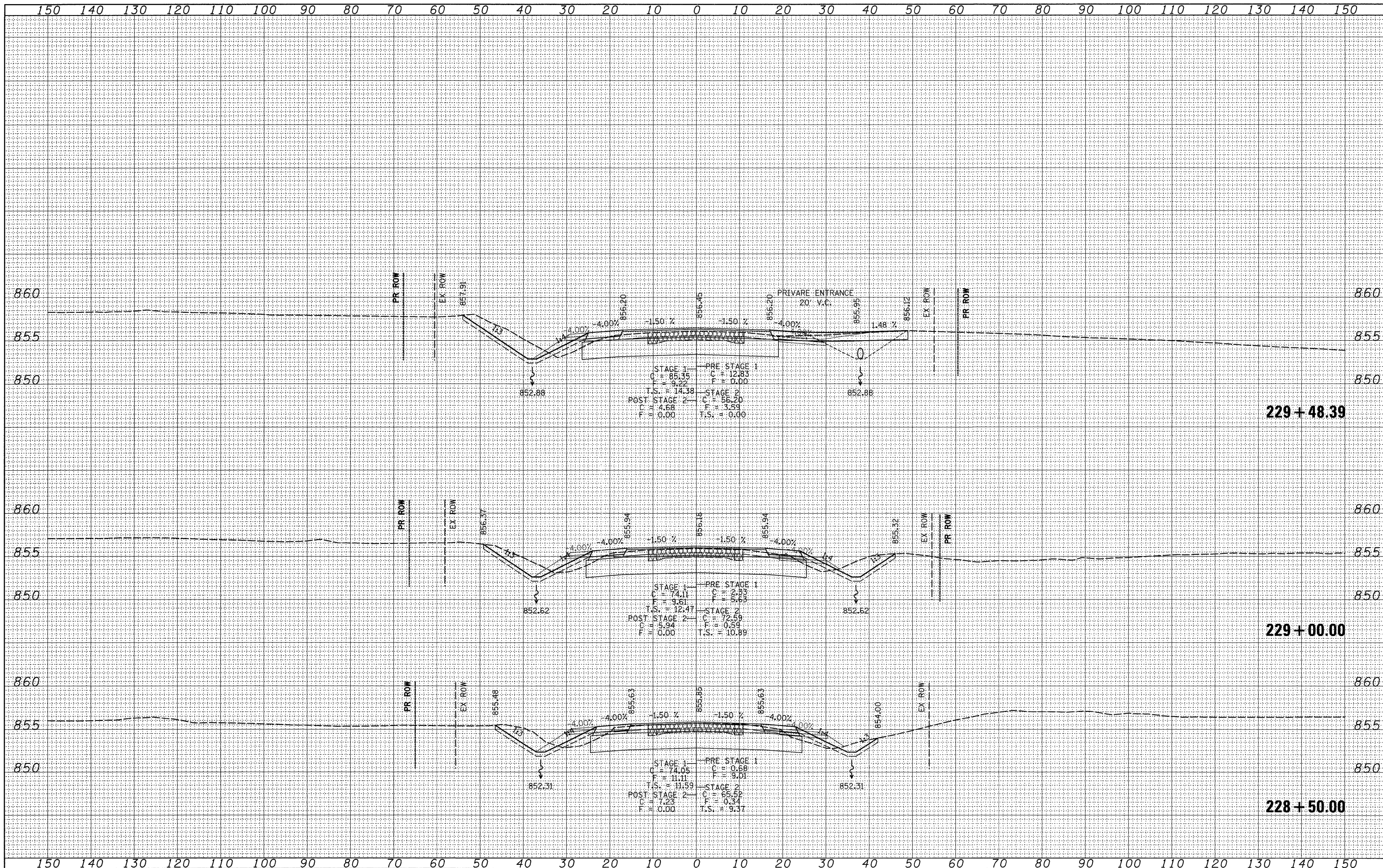
IL 76

SCALE: SHEET NO. OF SHEETS STA. 226+50.00 TO STA. 228+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	49
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

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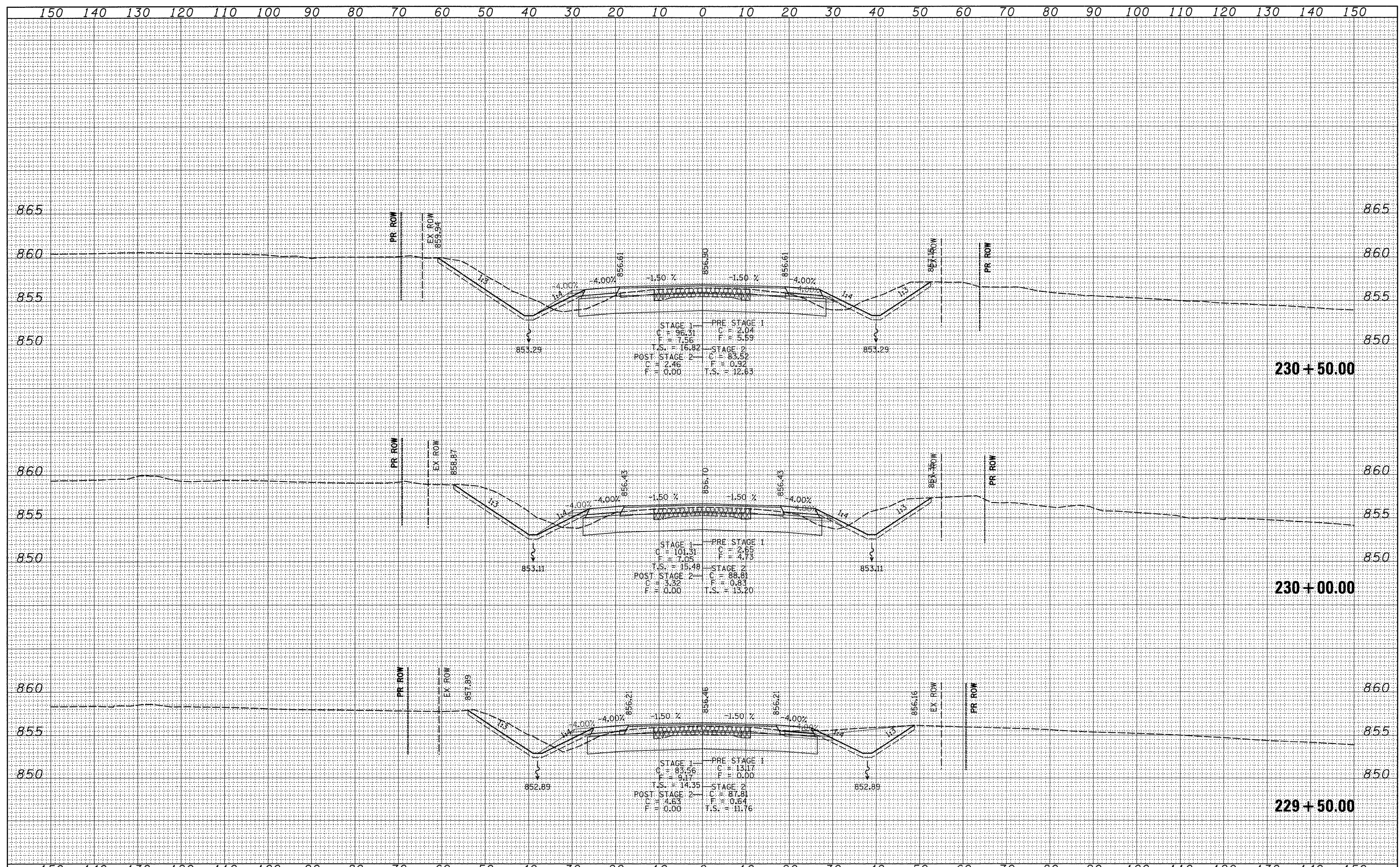
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 76
 SCALE: SHEET NO. OF SHEETS STA. 228+50.00 TO STA. 229+48.39

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	50
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

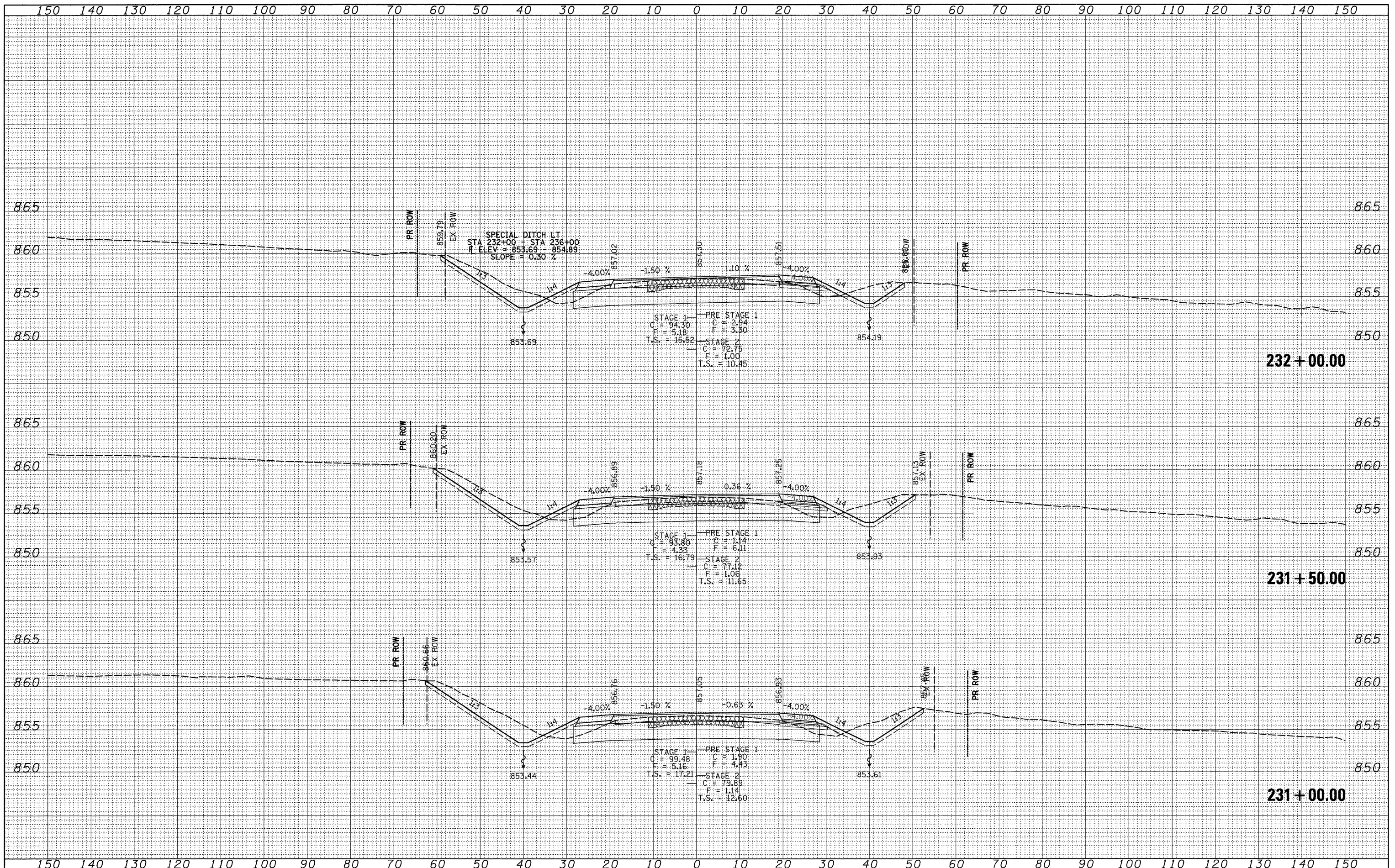
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

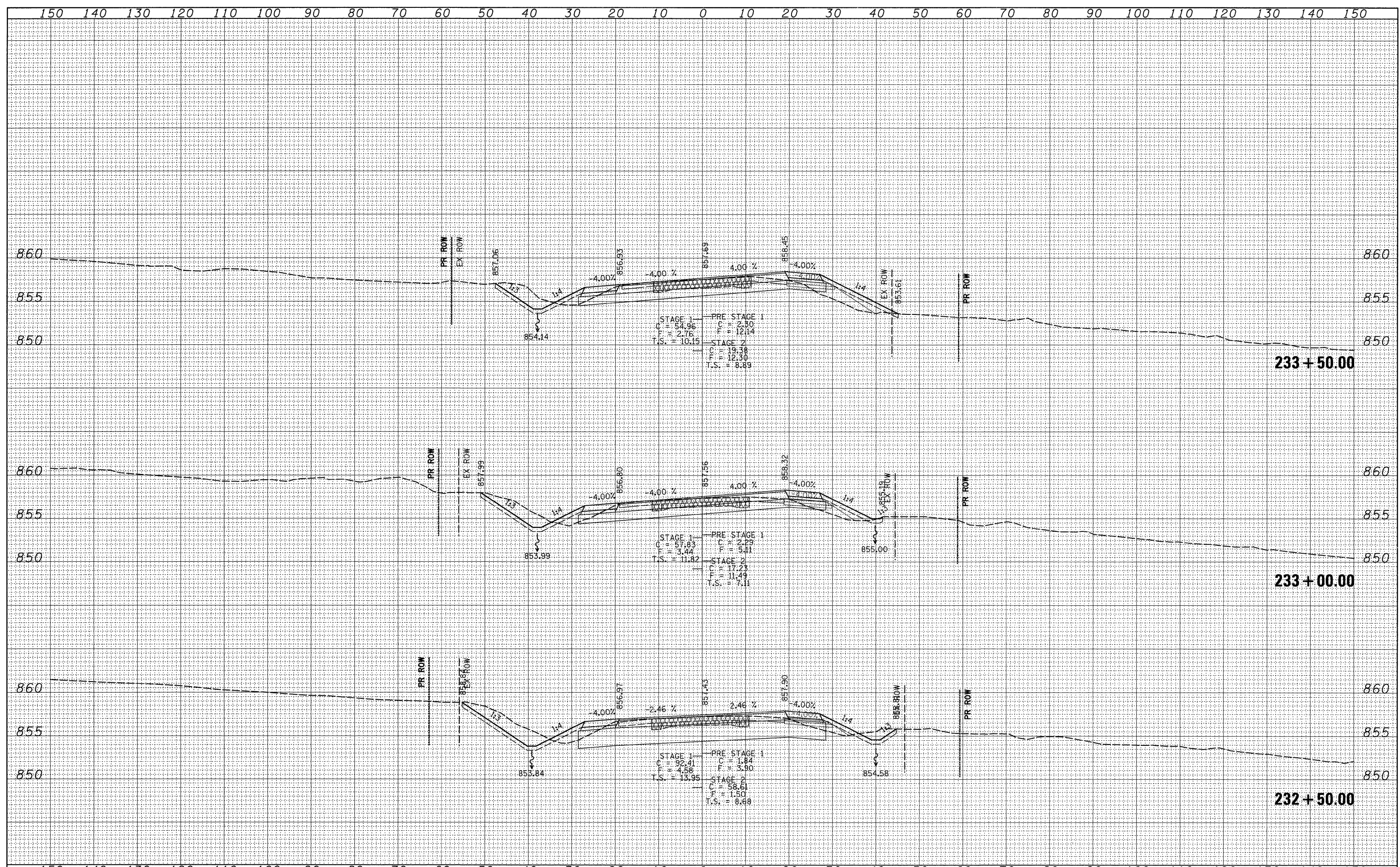
IL 76

SCALE: SHEET NO. OF SHEETS STA. 231+00.00 TO STA. 232+00.00

F.A.P. RTE. 754	SECTION 101M-1	COUNTY BOONE	TOTAL SHEETS 74	SHEET NO. 52
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

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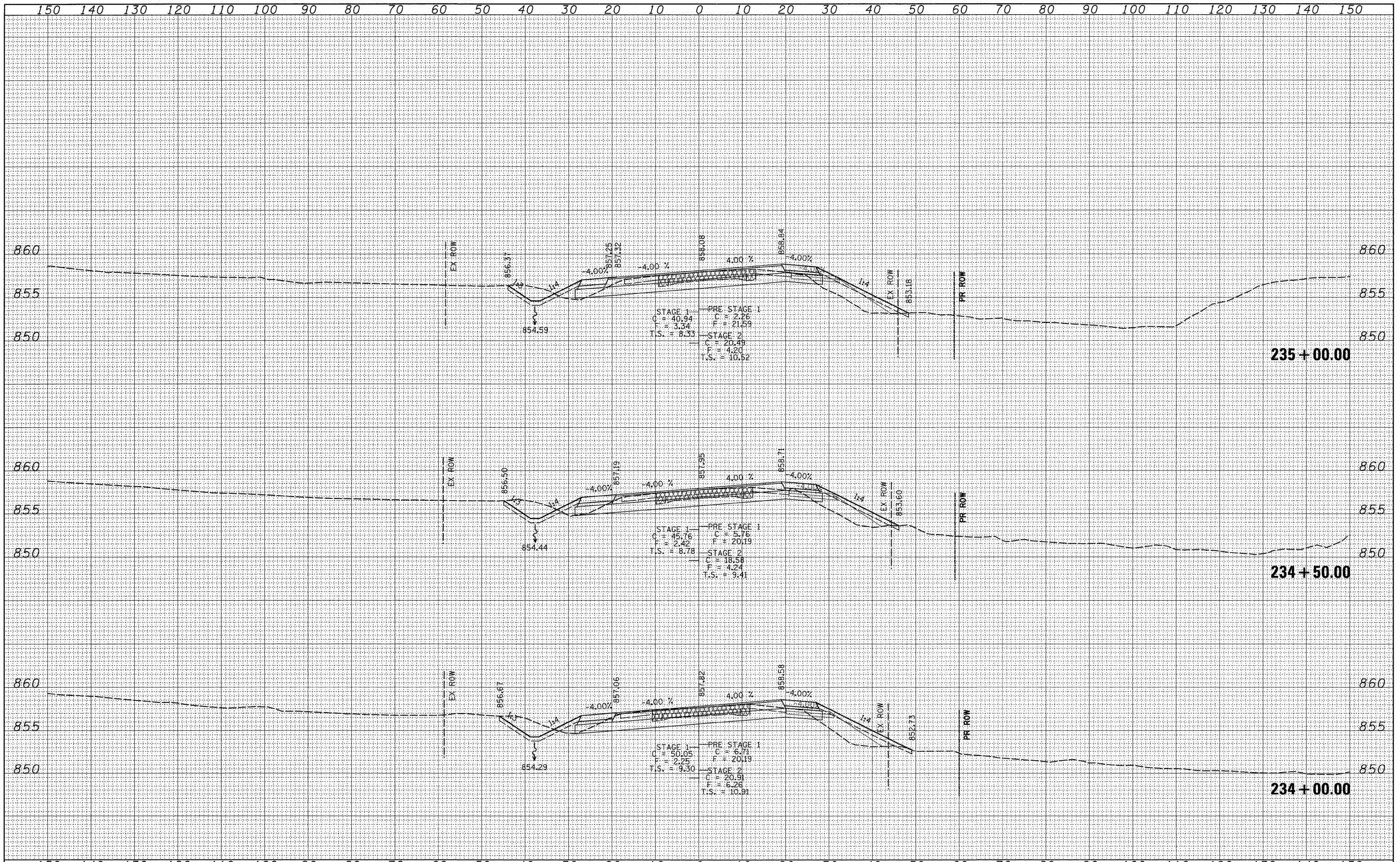
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 76

SCALE: SHEET NO. OF SHEETS STA. 232+50.00 TO STA. 233+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	53
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

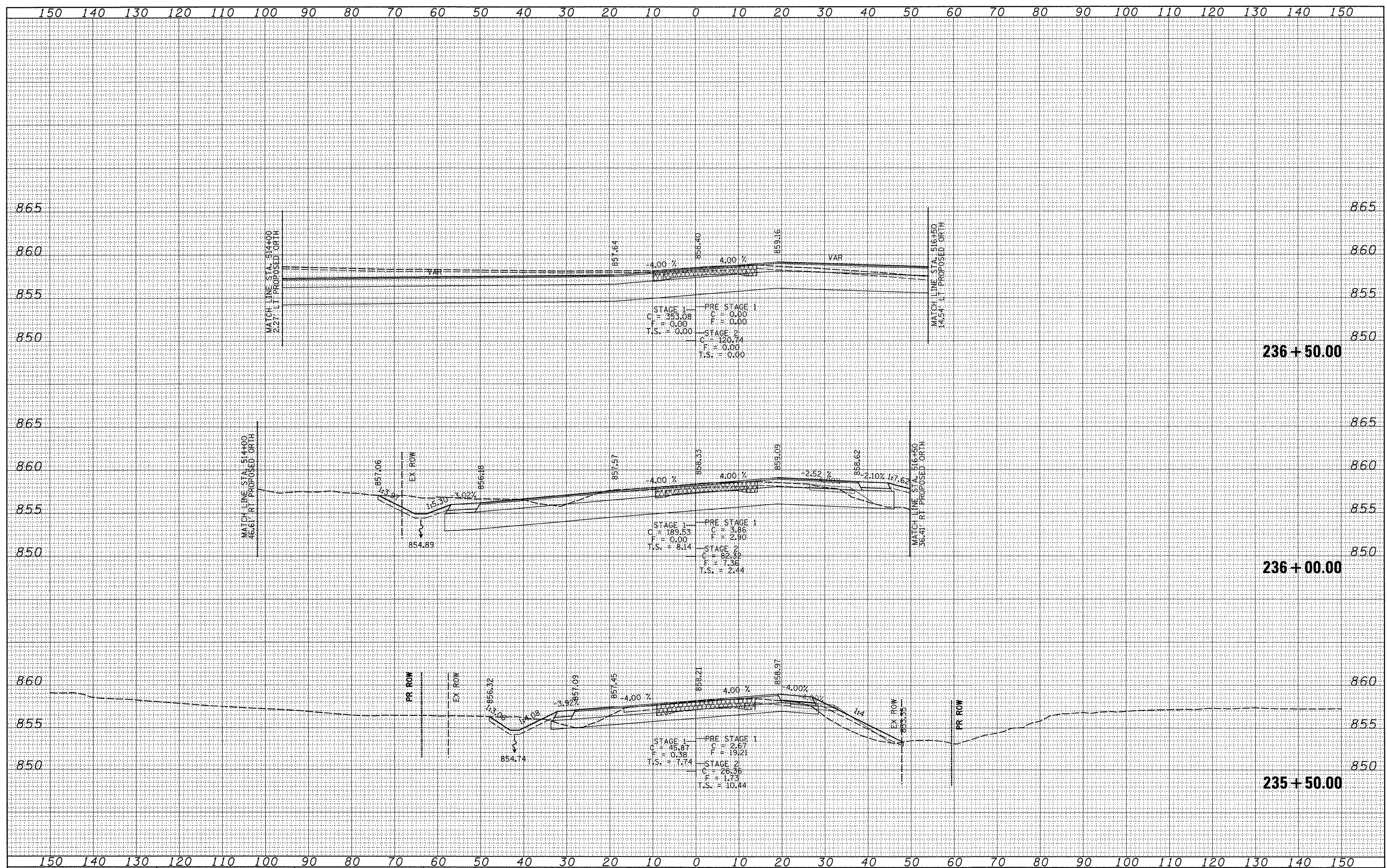
IL 76

SCALE: SHEET NO. OF SHEETS STA. 234+00.00 TO STA. 235+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	54
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

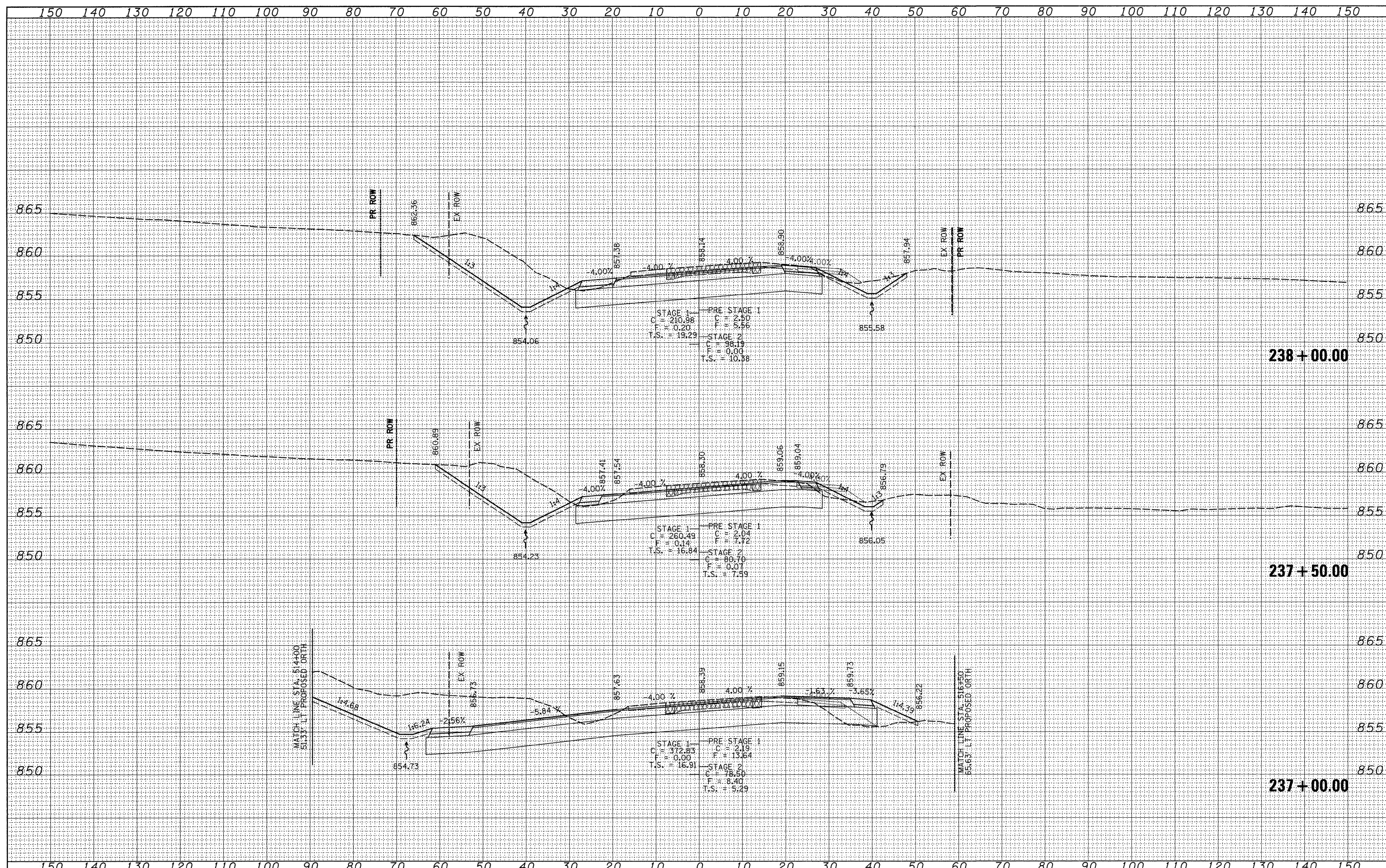
IL 76

SCALE: SHEET NO. OF SHEETS STA. 235+50.00 TO STA. 236+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	55
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

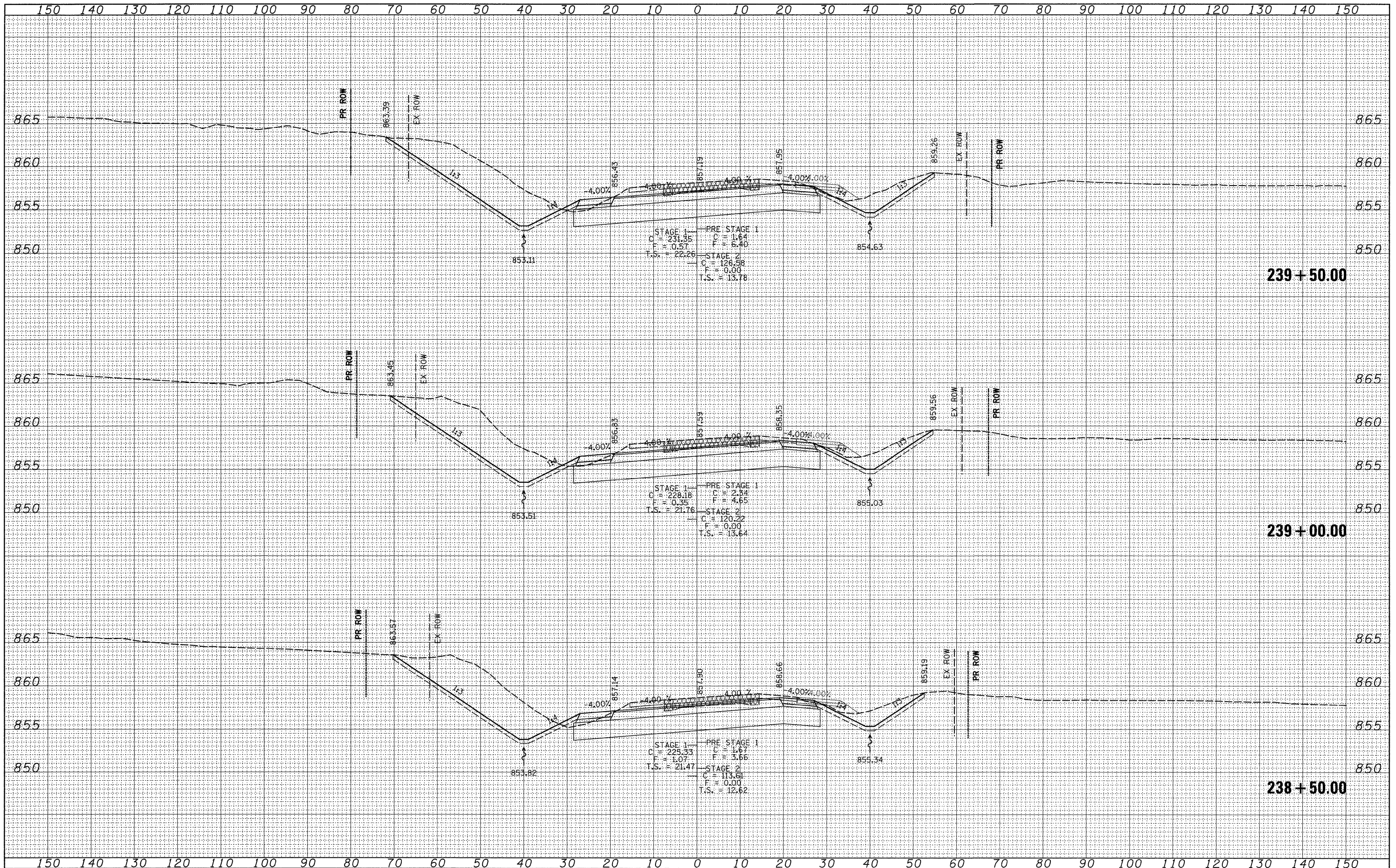
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SCALE: SHEET NO. OF SHEETS STA. 237+00.00 TO STA. 238+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	56
CONTRACT NO. 64E34				ILLINOIS FED. AID PROJECT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

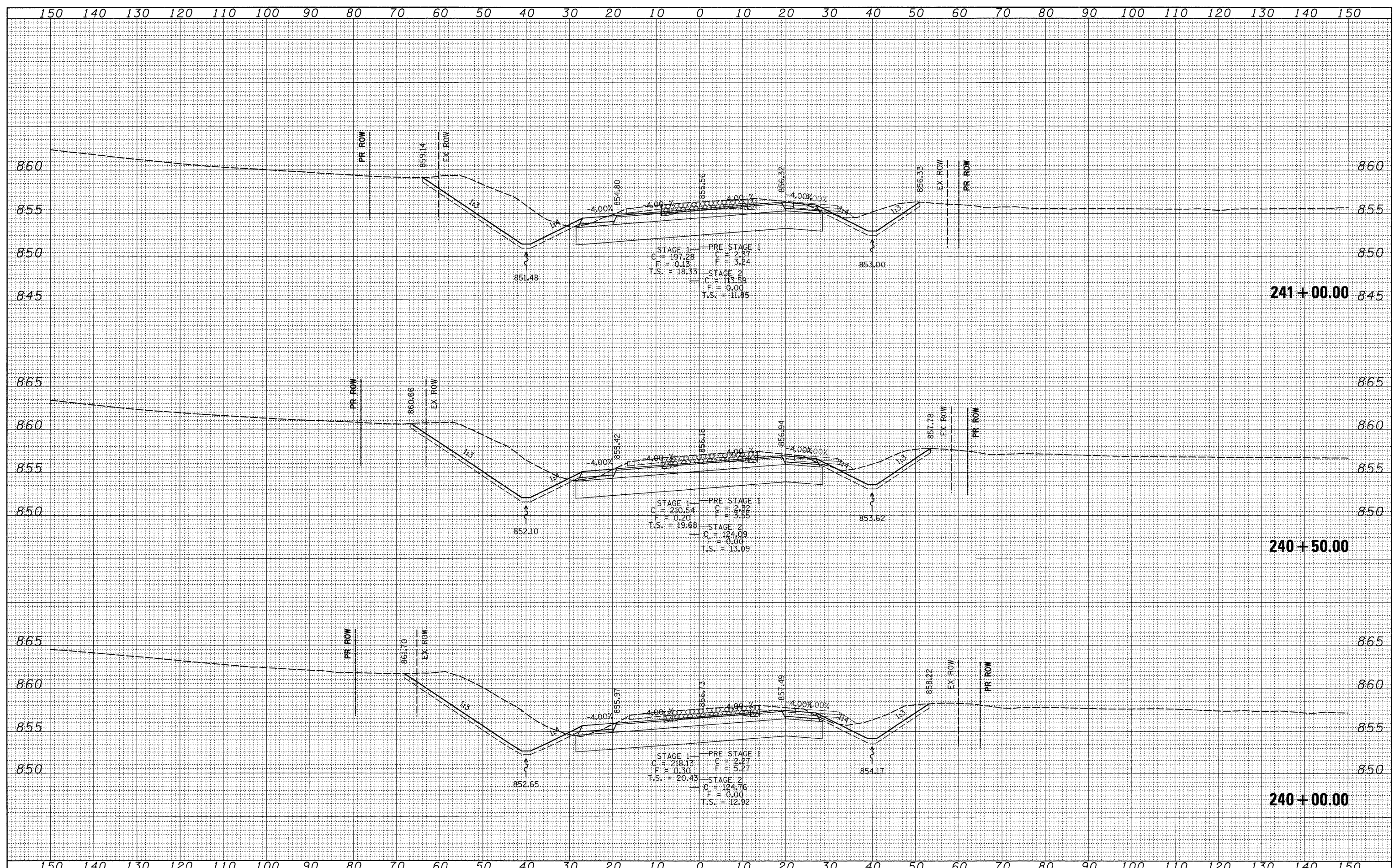
IL 76

SCALE: SHEET NO. OF SHEETS STA. 238+50.00 TO STA. 239+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

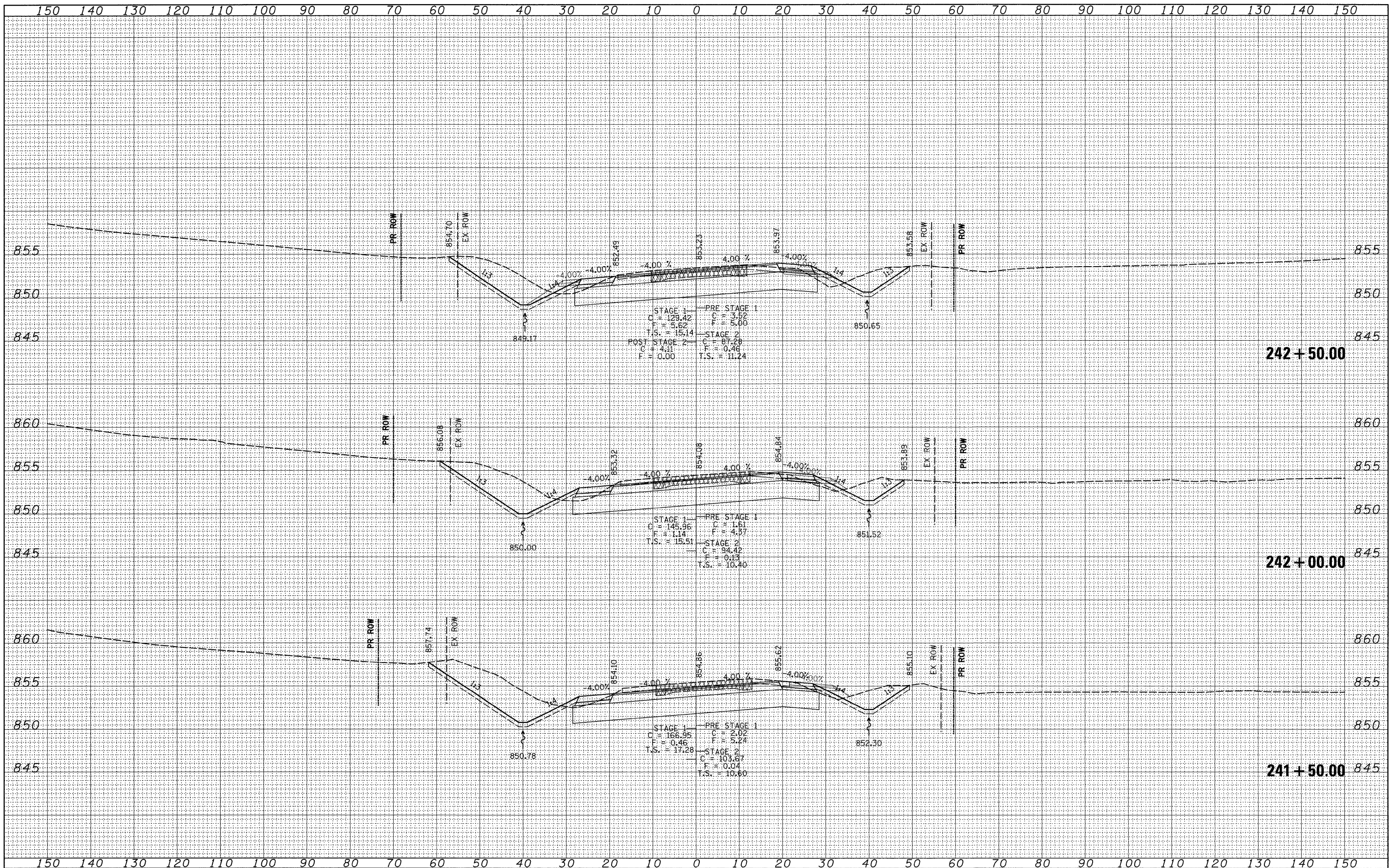
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

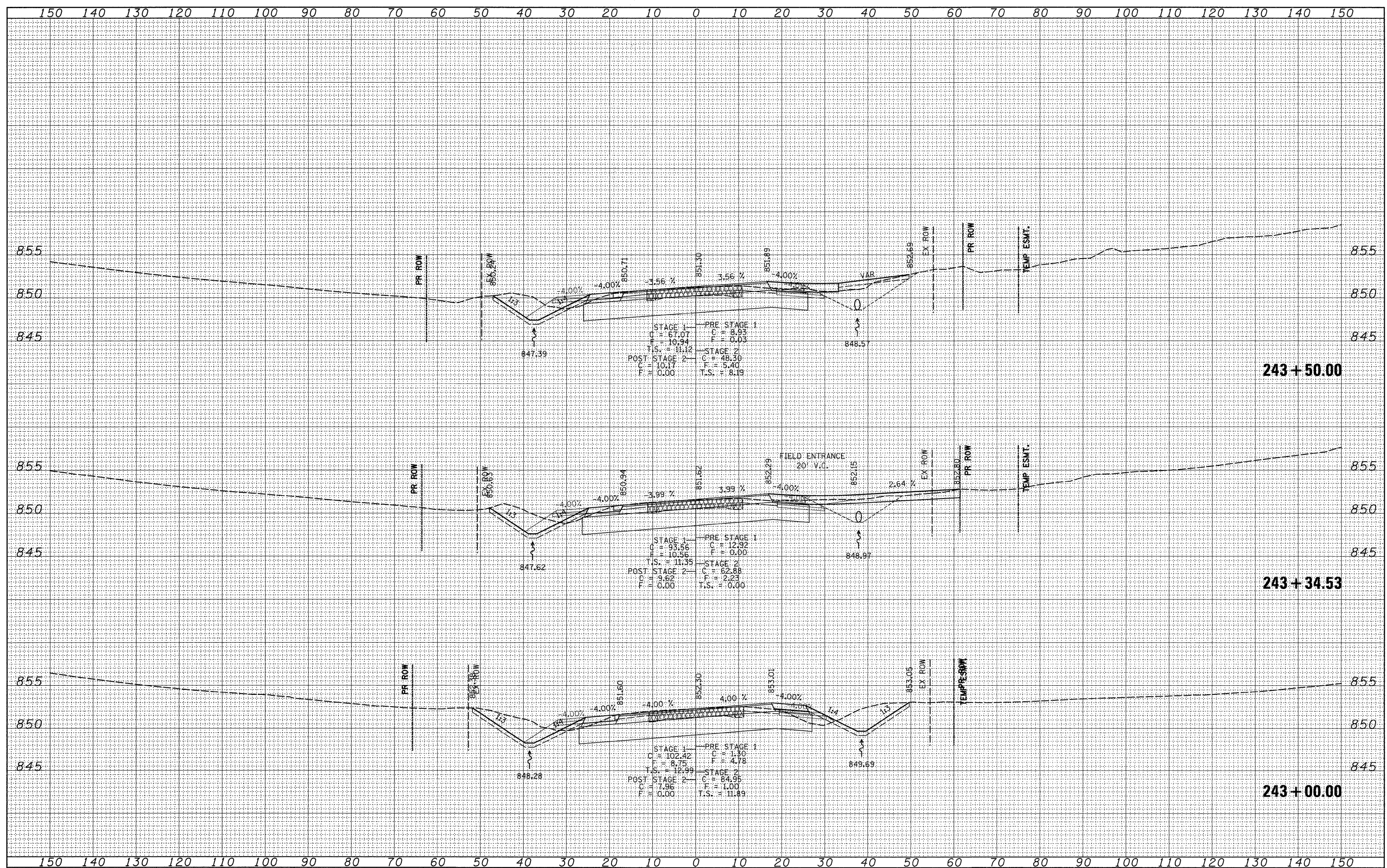
IL 76

SCALE: SHEET NO. OF SHEETS STA. 241+50.00 TO STA. 242+50.00

F.A.P. RTE. 754	SECTION 101M-1	COUNTY BOONE	TOTAL SHEETS 74	SHEET NO. 59
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

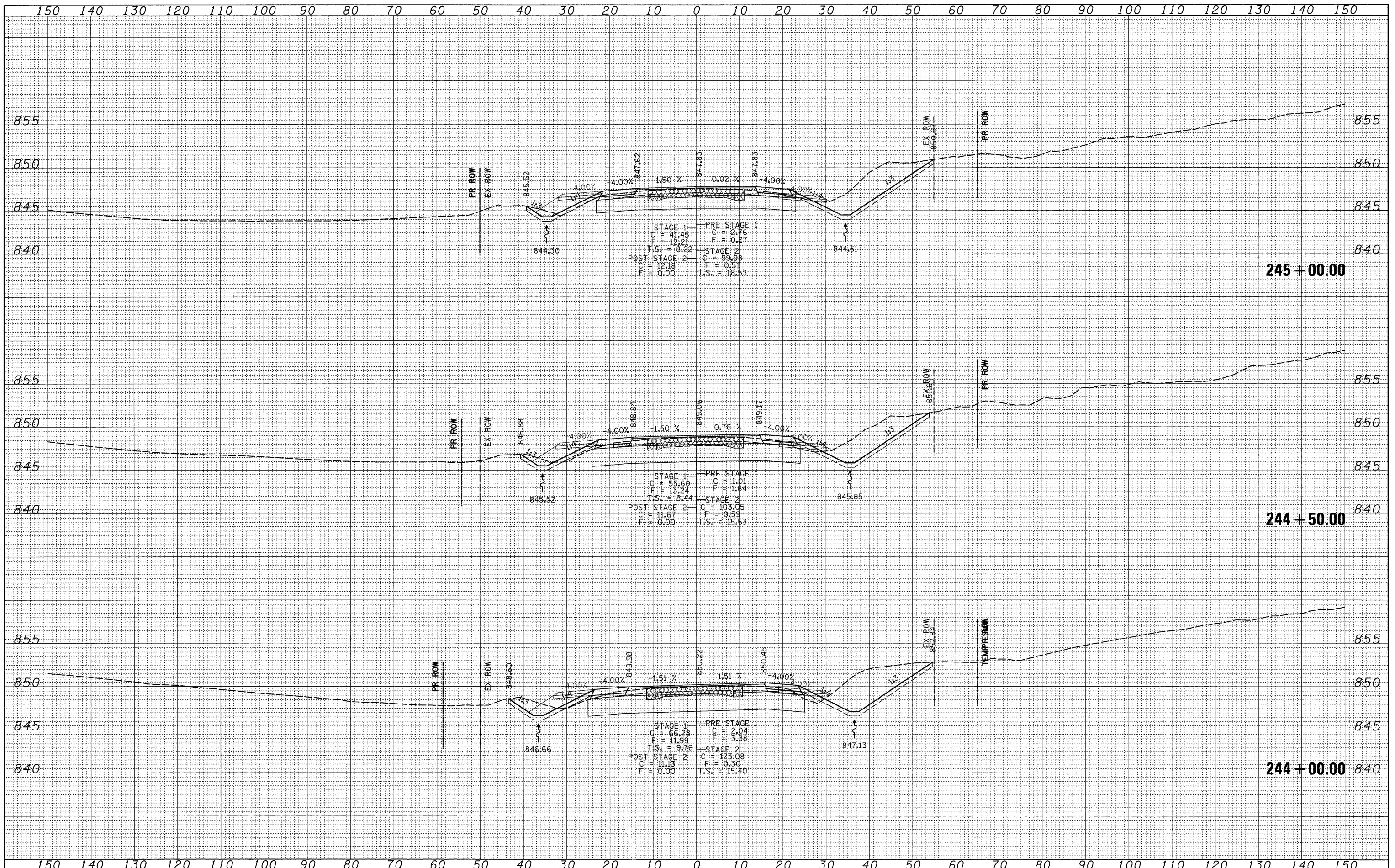
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SCALE: SHEET NO. OF SHEETS STA. 243+00.00 TO STA. 243+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	60
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

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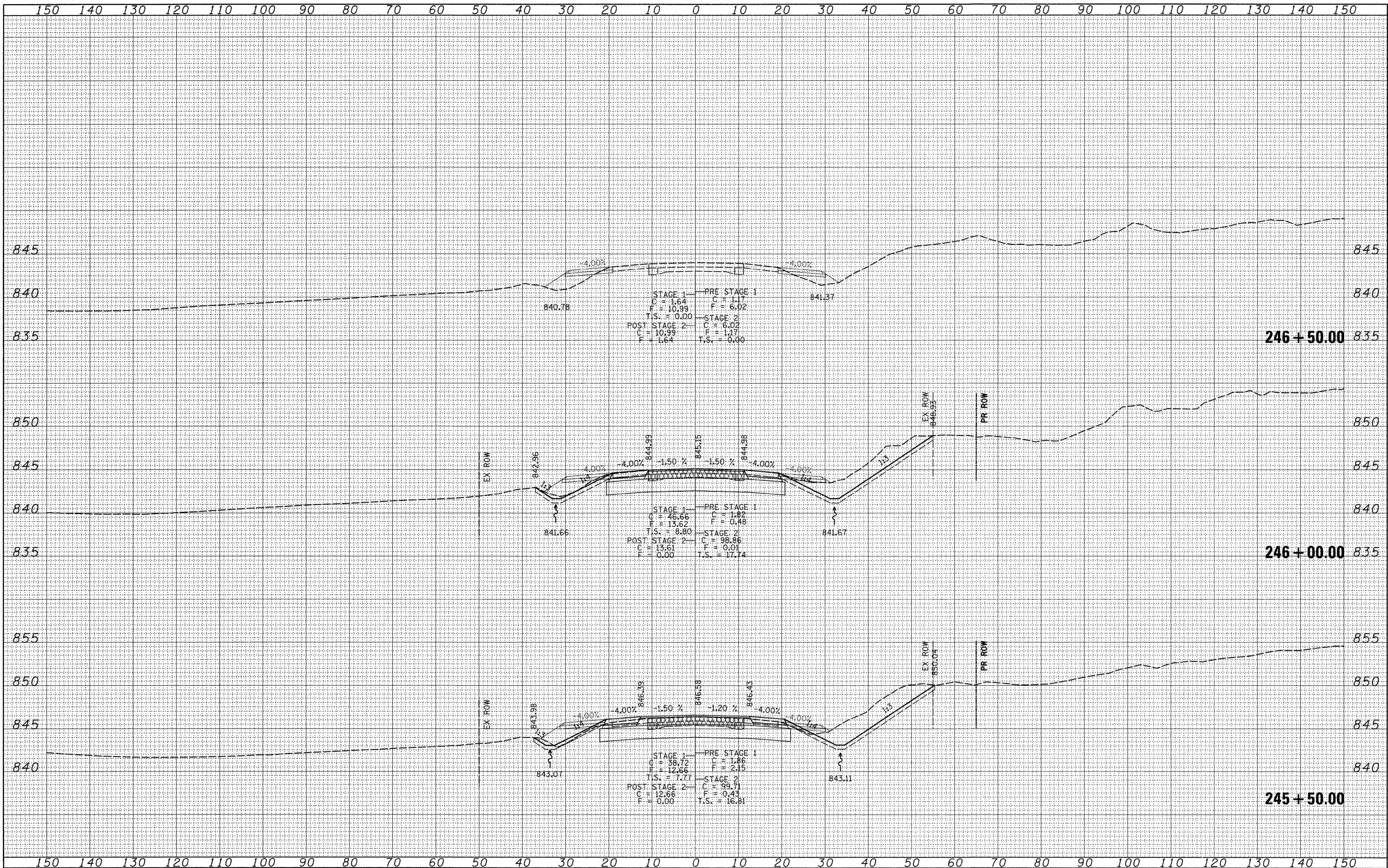
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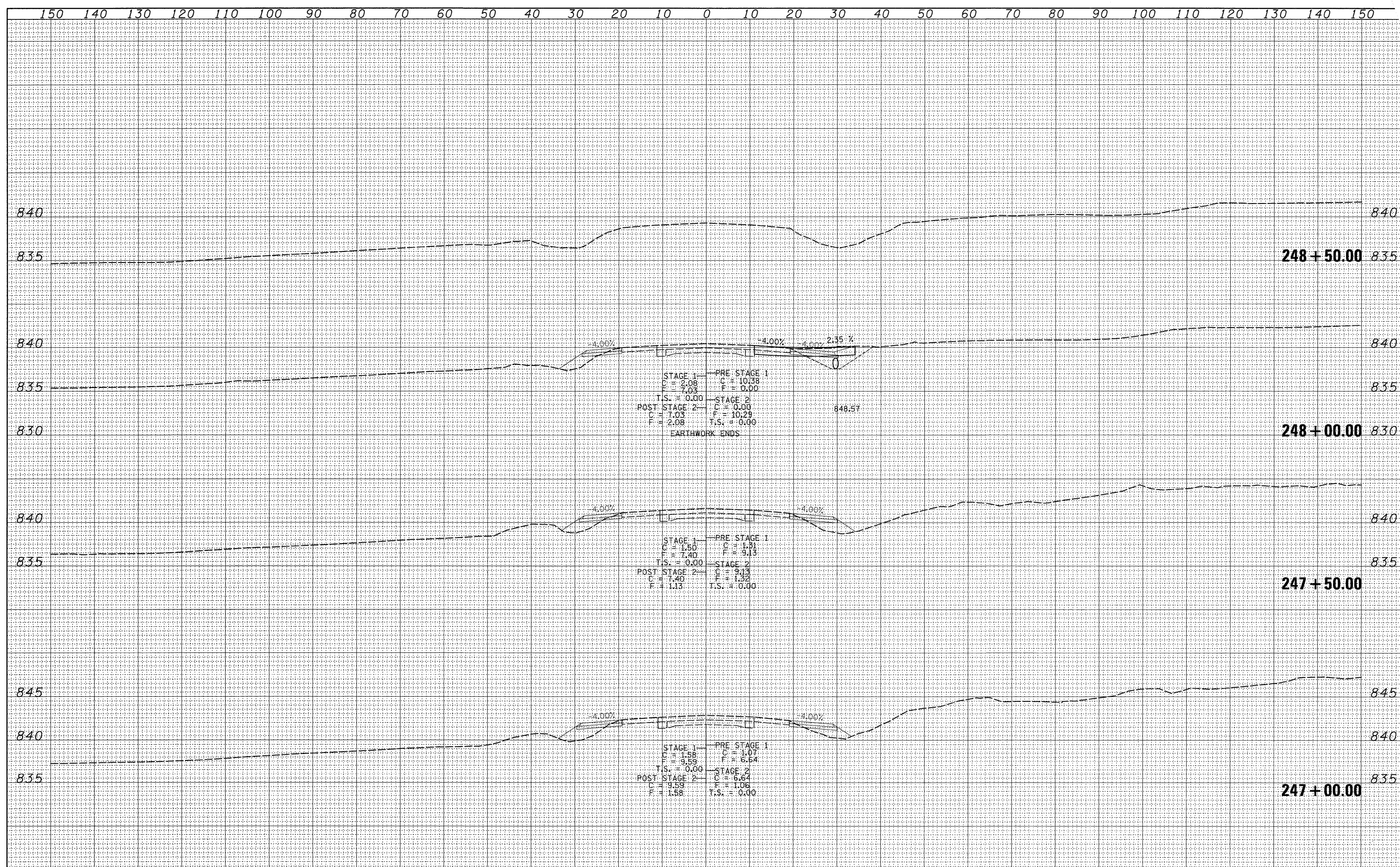
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 76
 SCALE: SHEET NO. OF SHEETS STA. 245+50.00 TO STA. 246+50.00

F.A.P. RTE. 754	SECTION 101M-1	COUNTY BOONE	TOTAL SHEETS 74	SHEET NO. 62
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

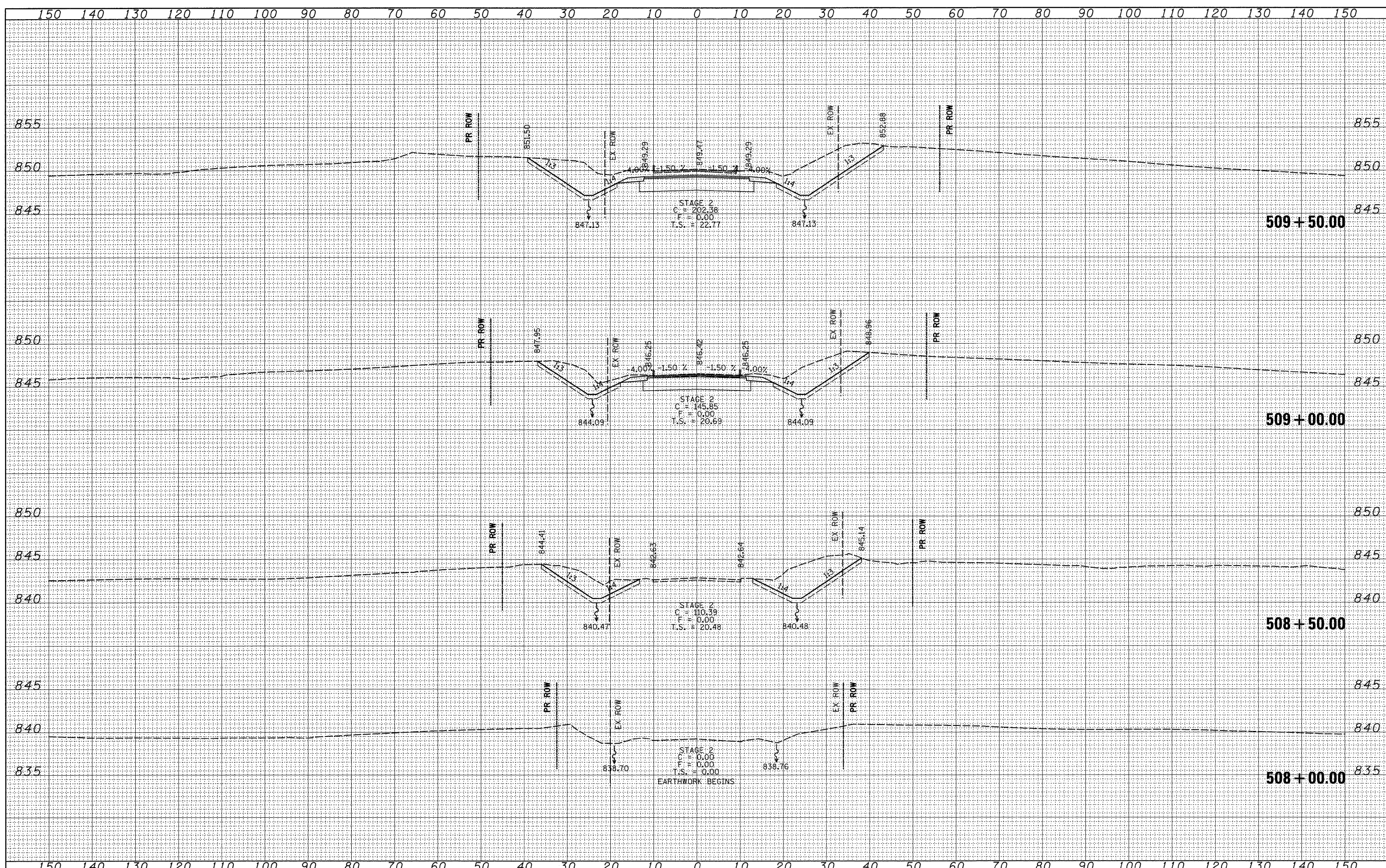
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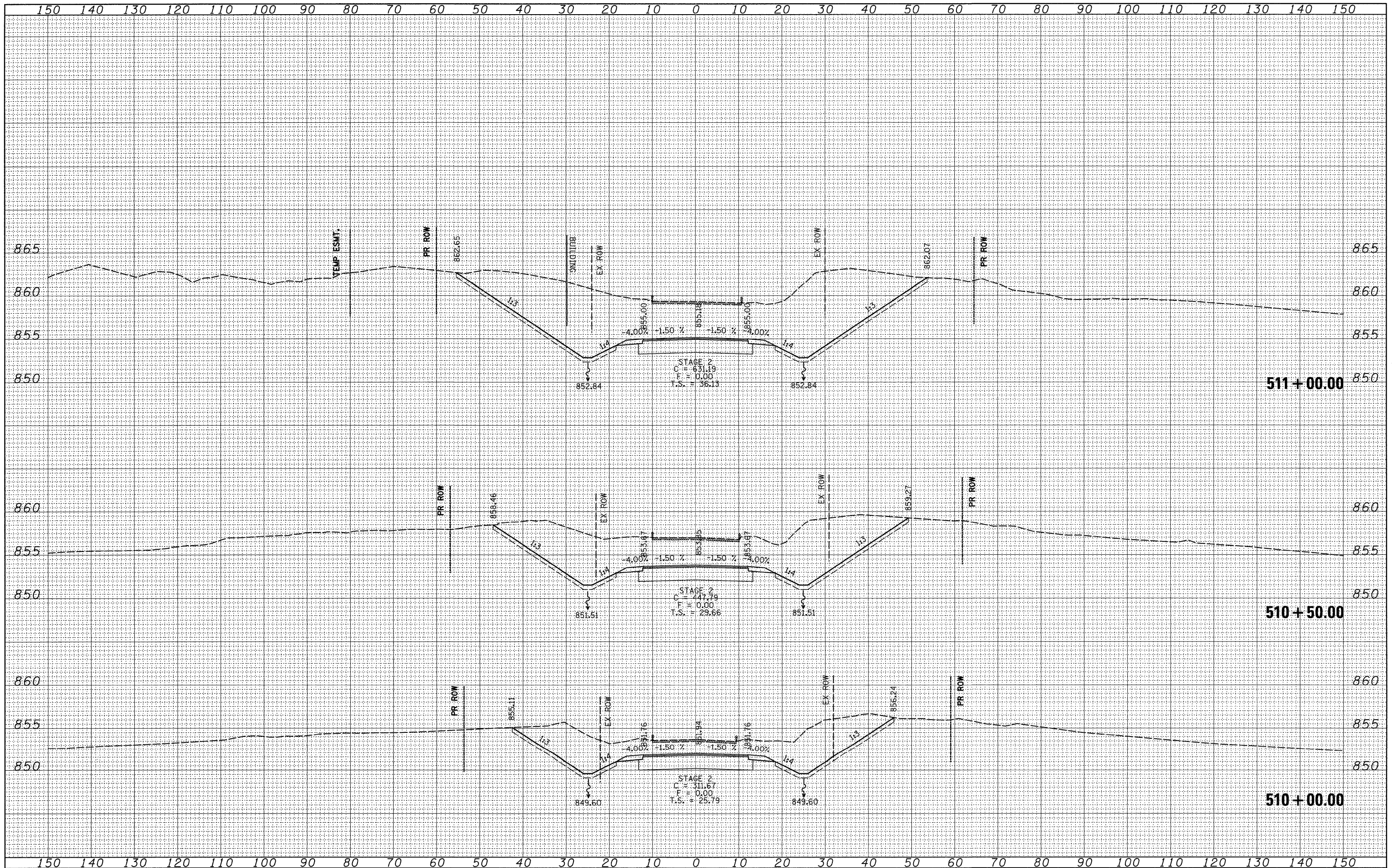
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SCALE: SHEET NO. OF SHEETS STA. 508+00.00 TO STA. 509+50.00										

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

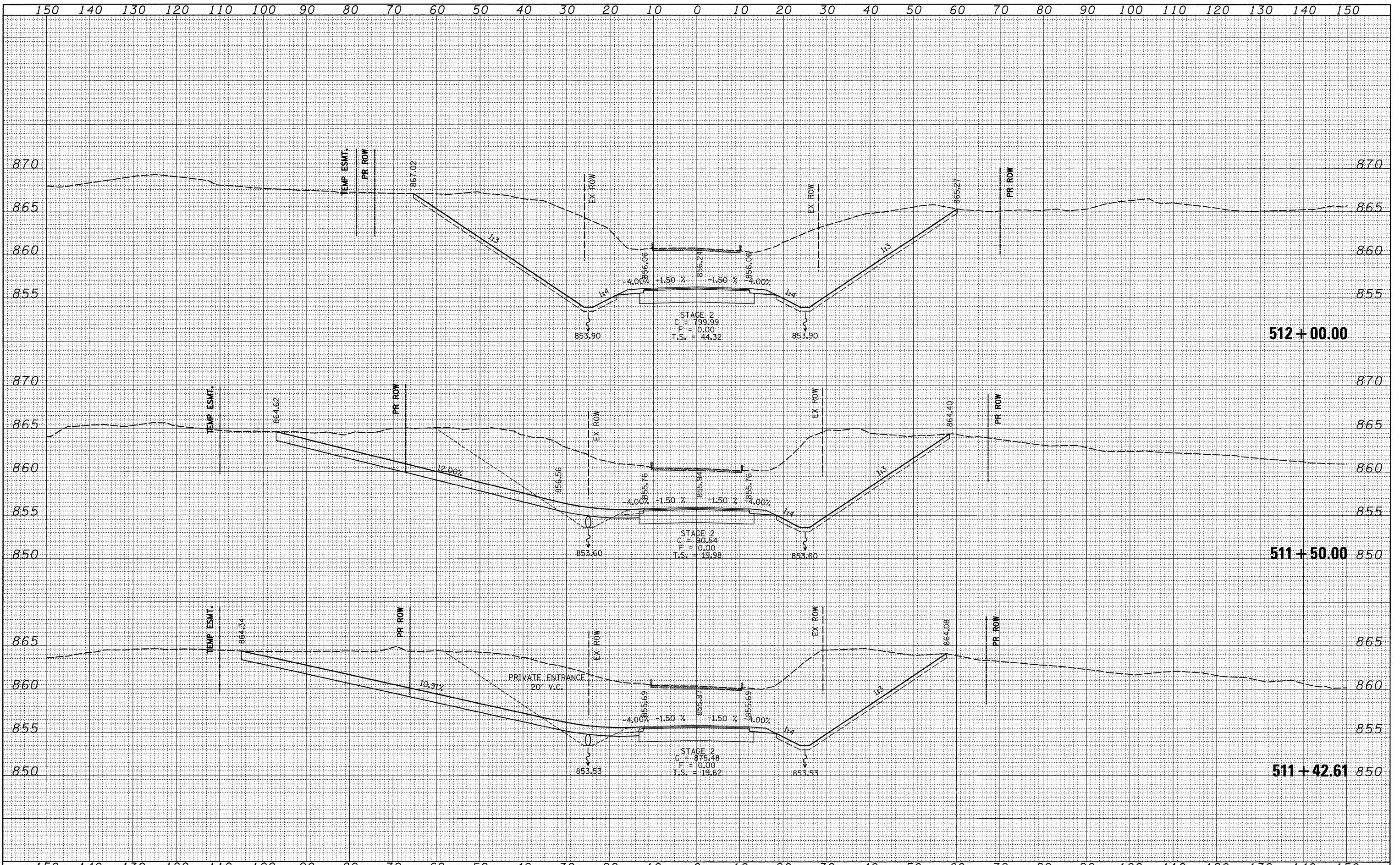
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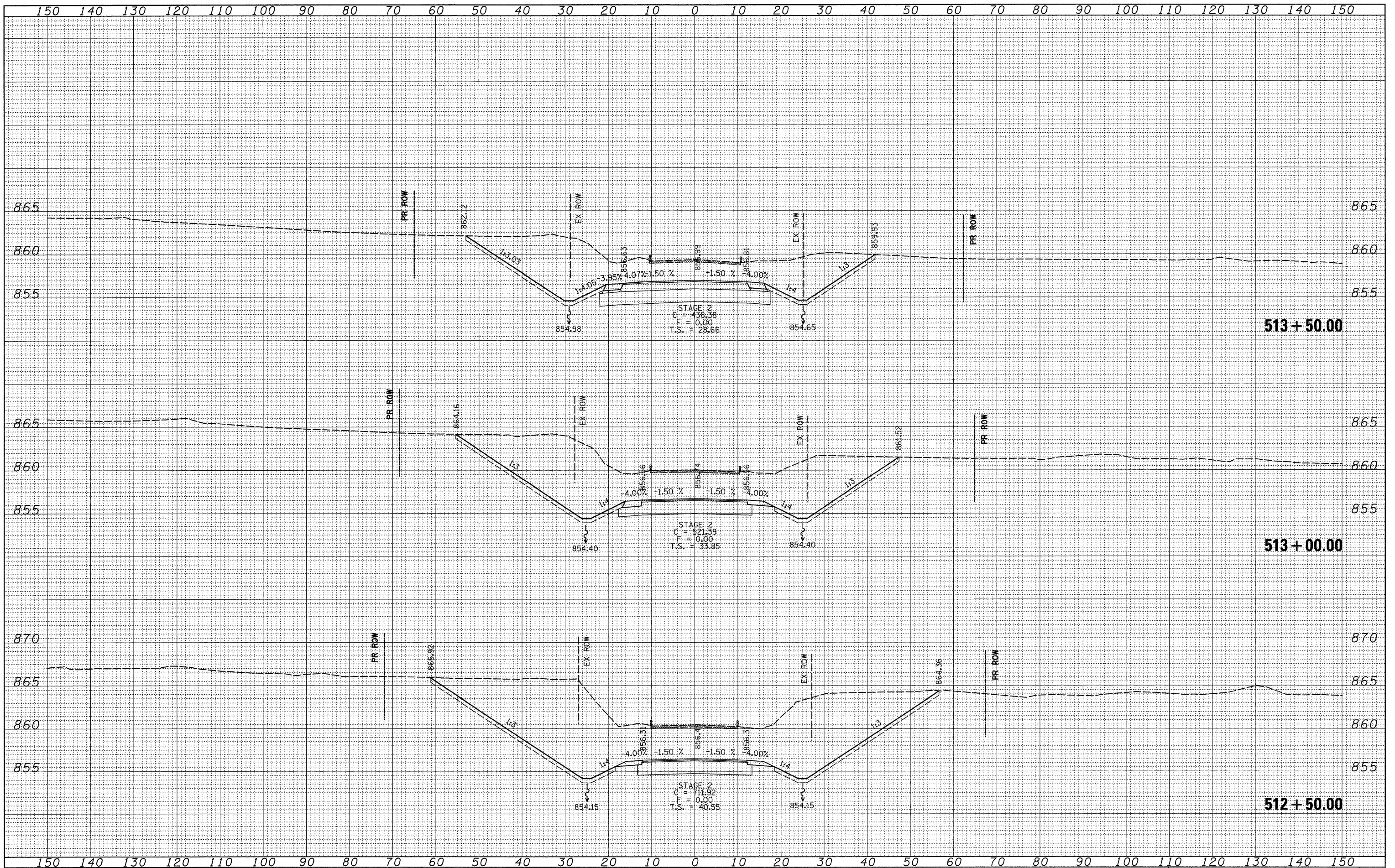
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	66
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = goffjl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		WEST ORTH		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ea\pwwork\PWIDOT\GoffJL\dms85448\08908xs.dgn	PLOT SCALE = 10.0000' / IN.	DRAWN -	REVISED -					754	101M-1	BOONE	74	67
PLOT DATE = Wed Mar 10 09:59:28 2010	CHECKED -	REVISED -	SCALE:					SHEET NO.	OF SHEETS	STA. 511+42.61	TO STA. 512+00.00	CONTRACT NO. 64E34
	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									



DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREAS CHECKED	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
AREAS CHECKED	TEMPLATE
	AREAS
	CHECKED

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 USER NAME = goffjl

DESIGNED -
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 CHECKED -
 DATE - Wed Mar 10 09:59:29 2010

REVISIONS:
 REVISION NO. | DATE | DESCRIPTION

DESIGNED -
 DRAWN -
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 DATE -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

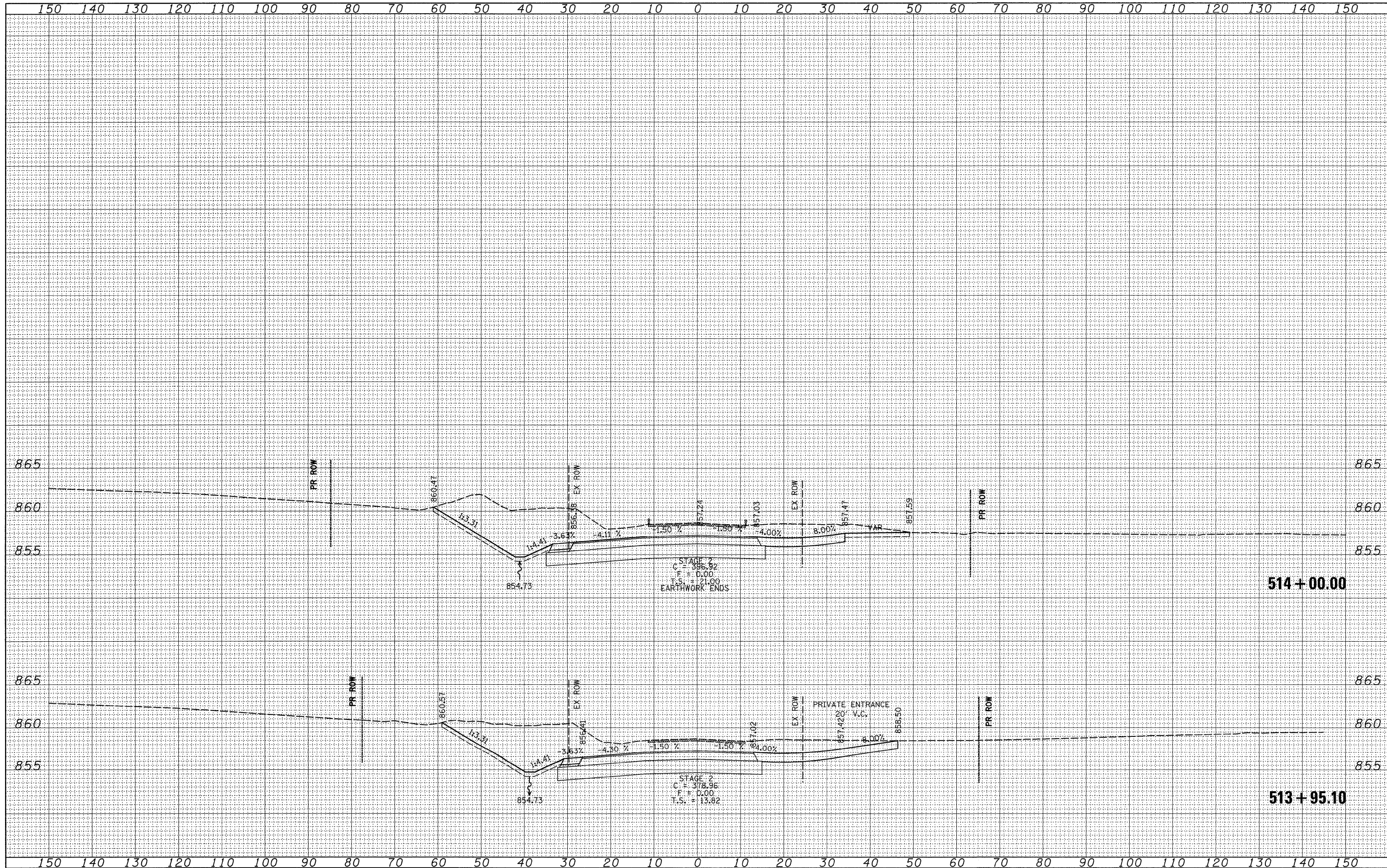
WEST ORTH

SCALE: SHEET NO. OF SHEETS STA. 512+50.00 TO STA. 513+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	68
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

DATE	
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PLOTTED	
TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

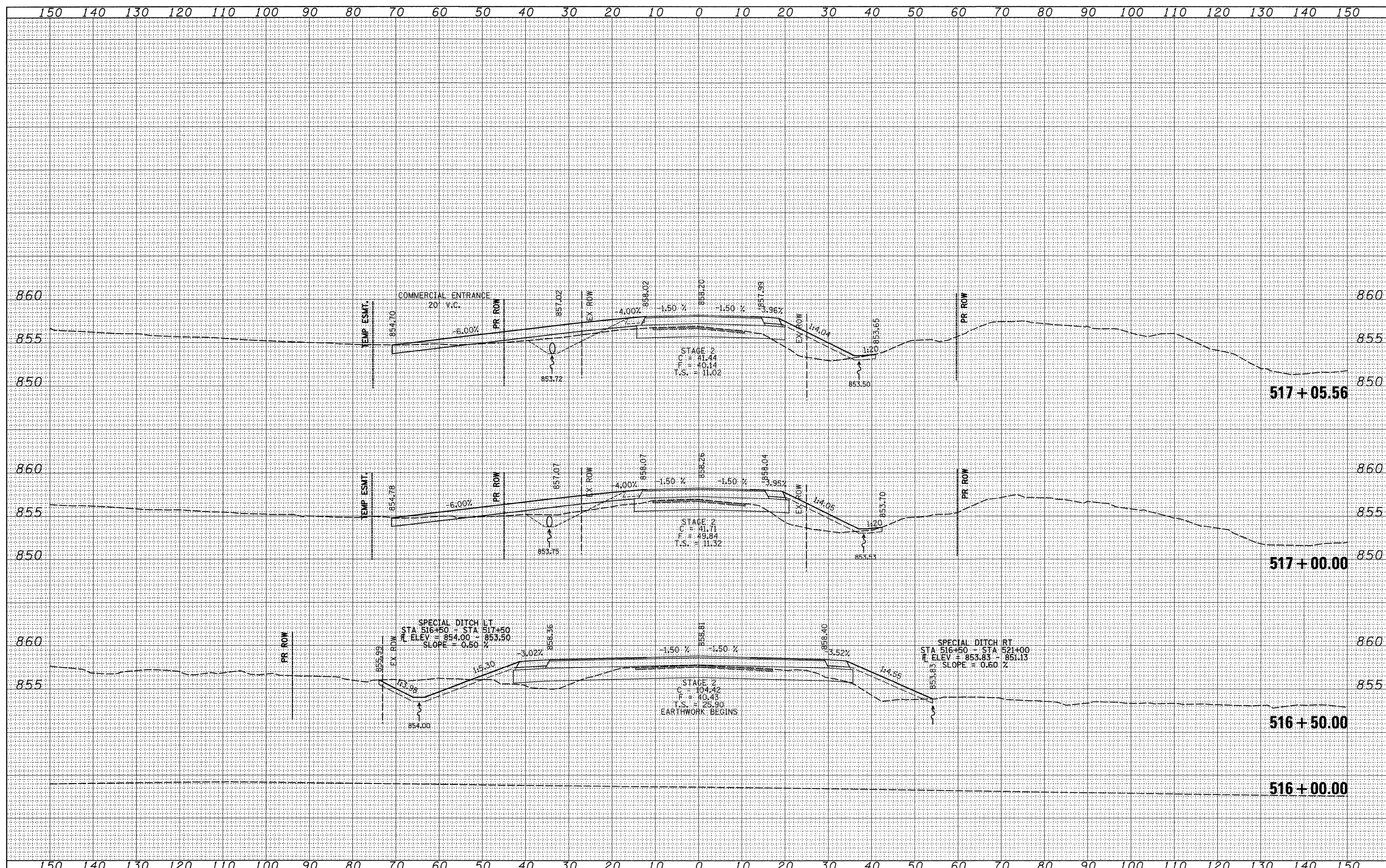
WEST ORTH

SCALE: SHEET NO. OF SHEETS STA. 513+95.10 TO STA. 514+00.00

F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	69
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =
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PLT SCALE = 10.0000' / IN.
 PLT DATE = Tue Mar 09 10:19:03 2010

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

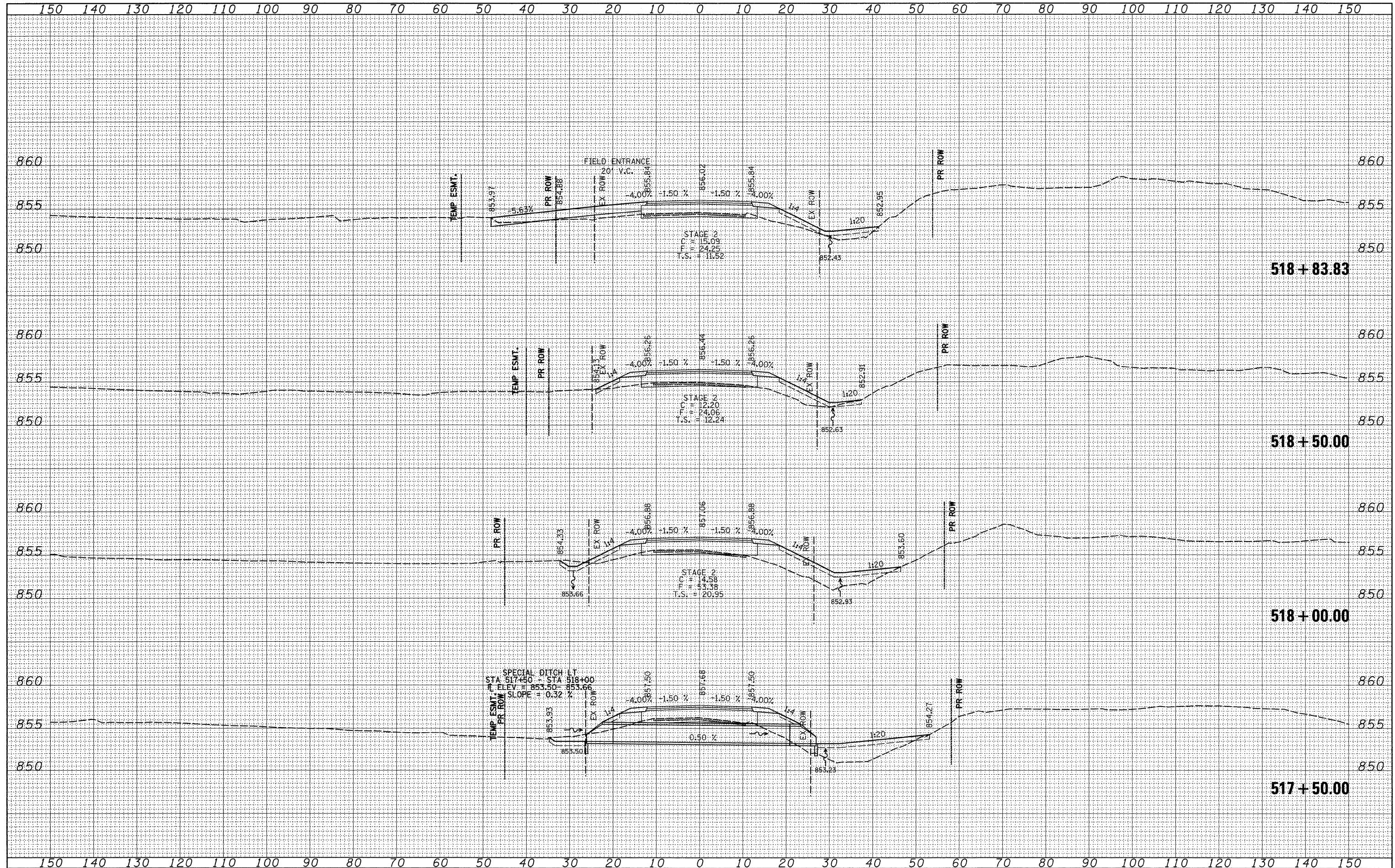
EAST ORTH

SCALE: SHEET NO. OF SHEETS STA. 516+00.00 TO STA. 517+05.56

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	70
CONTRACT NO. 64E34			ILLINOIS FED. AID PROJECT	

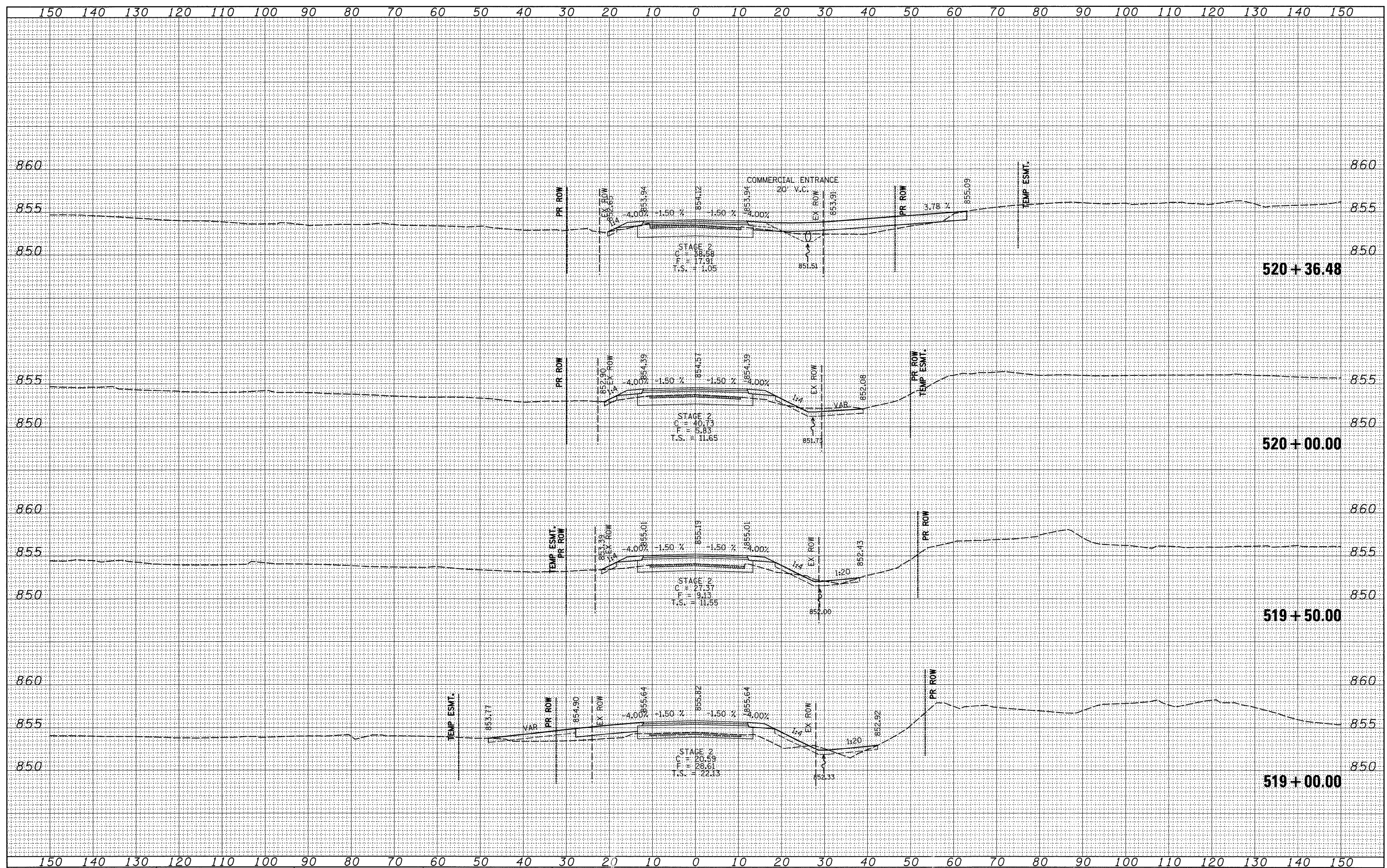
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FINAL SURVEY	
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ORIGINAL SURVEY	
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 PLOT DATE = Tue Mar 09 10:19:04 2010

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

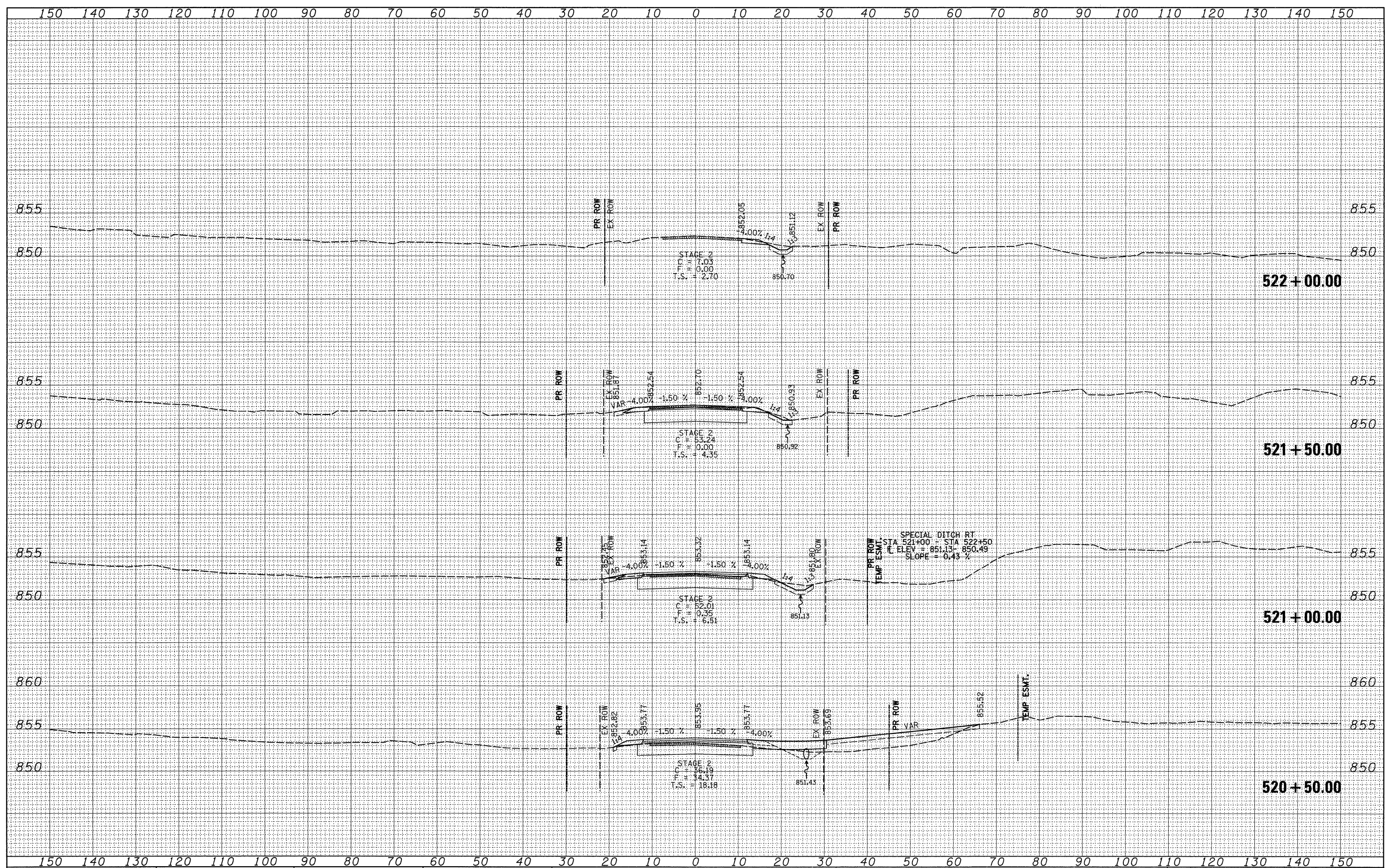
EAST ORTH

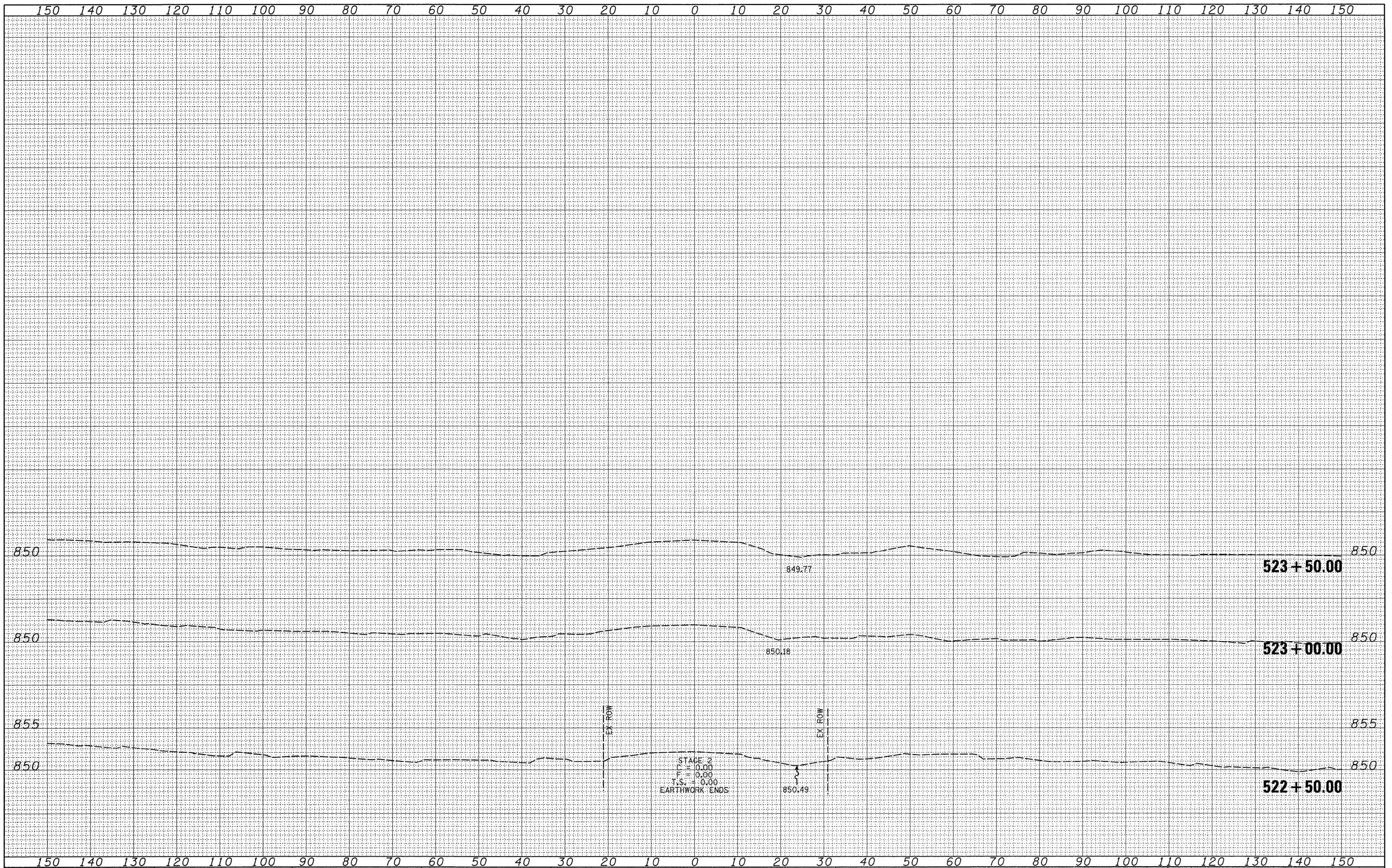
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	72
CONTRACT NO. 64E34				
ILLINOIS FED. AID PROJECT				

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AREAS CHECKED	
TEMP ESMT	
PR ROW	
EX ROW	
VAR	
NOTE BOOK	
NO.	
FINAL SURVEY	
NO.	

DATE	
BY	
REVISIONS	
NO.	
AREAS CHECKED	
TEMP ESMT	
PR ROW	
EX ROW	
VAR	
NOTE BOOK	
NO.	
ORIGINAL SURVEY	
NO.	





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

DATE	
BY	
SUBMITTED	
PLOTTED	
TEMPLATE	
AREAS	
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ORIGINAL SURVEY	
NOTE BOOK	
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USER NAME = goffjl
 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = Tue Mar 09 10:19:06 2010

DESIGNED -
 DRAWN -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EAST ORTH

SCALE: SHEET NO. OF SHEETS STA. 522+50.00 TO STA. 523+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
754	101M-1	BOONE	74	74
CONTRACT NO. 64E34			ILLINOIS FED. AID PROJECT	