F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	1
	ILLINOIS	CONTRACT NO. 64D92		

INDEX
SEE SHEET 2

3-5-10 Letting, Item 032

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

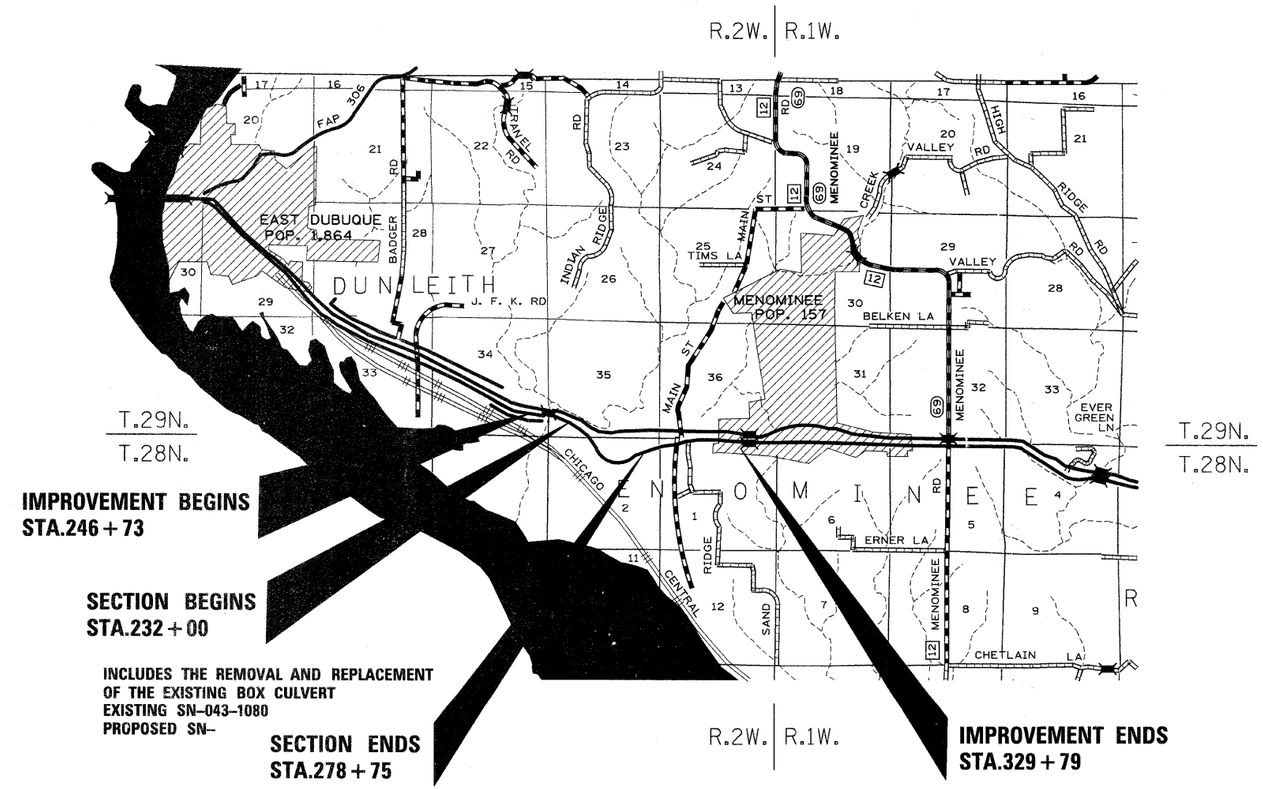
FAP ROUTE 301 (US 20)
SECTION 31T
PROJECT NHF-0301(064)

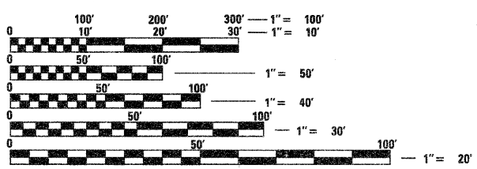
JO DAVIESS COUNTY
C-92-177-09

STATE STANDARDS
SEE SHEET 2

P-92-028-08

LOCATION OF SECTION INDICATED THUS:-





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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Dec 9 20 09
George F. Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

January 29 20 10
Scott E. Stitt P.E./ac
ACTING ENGINEER OF DESIGN AND ENVIRONMENT

January 29 20 10
Christine M. Reed/ac
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

MENOMINEE TOWNSHIP, SECTION 2,35
GROSS LENGTH OF PROJECT = 4,675 LIN. FT. = 0.9 MILES
NET LENGTH OF PROJECT = 4,675 LIN. FT. = 0.9 MILES

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 64D92

PROJECT ENGINEER: REBECCA MARRUFFO

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

INDEX OF SHEETS /STATE STANDARDS

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STATE STANDARDS

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729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
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001006	DECIMAL OF AN INCH AND OF A FOOT

SUMMARY OF QUANTITIES

			ROADWAY J000-2A 80% FED 20% STATE
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	6
20200100	EARTH EXCAVATION	CU YD	25568
20200200	ROCK EXCAVATION	CU YD	14586
20400800	FURNISHED EXCAVATION	CU YD	38863
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	47940
25000210	SEEDING, CLASS 2A	ACRE	7.25
25000310	SEEDING, CLASS 4	ACRE	3
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	900
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	900
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	900
† 25000750	MOWING	ACRE	7.25
25100115	MULCH, METHOD 2	ACRE	10.25
25100630	EROSION CONTROL BLANKET	SQ YD	14638
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	15000
28000305	TEMPORARY DITCH CHECKS	FOOT	3848
28000400	PERIMETER EROSION BARRIER	FOOT	374
28000500	INLET AND PIPE PROTECTION	EACH	4
28100105	STONE RIPRAP, CLASS A3	SQ YD	6765
28100107	STONE RIPRAP, CLASS A4	SQ YD	9435
28200200	FILTER FABRIC	SQ YD	16200
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	19637
31100935	SUB-BASE GRANULAR MATERIAL, TYPE A 18"	SQ YD	969
31100975	SUB-BASE GRANULAR MATERIAL, TYPE A 30"	SQ YD	1822
35101400	AGGREGATE BASE COURSE, TYPE B	TON	822
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	121
42000416	PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)	SQ YD	13292
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	16
44000100	PAVEMENT REMOVAL	SQ YD	3093
44000400	GUTTER REMOVAL	FOOT	144
44004000	PAVED DITCH REMOVAL	FOOT	210
44004300	PAVEMENT BREAKING	SQ YD	10711

* SPECIALTY ITEMS

† NON PARTICIPATING 100% STATE

SUMMARY OF QUANTITIES

ROADWAY
J000-2A
80% FED 20% STATE

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
48300415	PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4"	SQ YD	8236
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1
50104400	CONCRETE HEADWALL REMOVAL	EACH	2
51500100	NAME PLATES	EACH	1
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	84
542A1117	PIPE CULVERTS, CLASS A, TYPE 2 72"	FOOT	180
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	104
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	50
542D0265	PIPE CULVERTS, CLASS D, TYPE 1 60"	FOOT	72
54213450	END SECTIONS 15"	EACH	2
54213459	END SECTIONS 24"	EACH	2
54213495	END SECTIONS 60"	EACH	2
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1
54213717	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72"	EACH	1
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	21
60107600	PIPE UNDERDRAINS 4"	FOOT	6310
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	259
60403700	LIDS, TYPE 1, OPEN LID	EACH	1
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	9.33
63200310	GUARDRAIL REMOVAL	FOOT	2444
63500105	DELINEATORS	EACH	10
63500120	DELINEATOR REMOVAL	EACH	8
63801205	TEMPORARY MODULAR GLARE SCREEN	FOOT	650
64200105	SHOULDER RUMBLE STRIP	FOOT	8958
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	23
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10
67100100	MOBILIZATION	L SUM	1
70100410	TRAFFIC CONTROL AND PROTECTION, STANDARD 701416	EACH	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	LSUM	1
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	7
70300610	TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	62

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

ROADWAY
J000-2A
80% FED 20% STATE

	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
	70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	35673
	70300640	TEMPORARY PAINT PAVEMENT MARKING LINE 8"	FOOT	600
	70300660	TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	60
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	14368
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	10250
	78001110	PAINT PAVEMENT MARKING – LINE 4"	FOOT	5000
	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	118
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	4816
	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	A2001714	TREE, ACER SACCHARUM (SUGAR MAPLE), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30
	A2005114	TREE, JUGLANS NIGRA (BLACK WALNUT), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30
	A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30
	A2006714	TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30
	A2007114	TREE, QUERCUS RUBRA (RED OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30
	B2002614	TREE, MALUS ADAMS (ADAMS CRABAPPLE), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	35
	B2004814	TREE, MALUS SARGENTII (SARGENT CRABAPPLE), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	35
	B2005214	TREE, MALUS SUTYZAM (SUGAR TYME CRAB APPLE), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	35
	C2001748	SHRUB, CORNUS SERICEA CARDINAL (CARDINAL REDOSIER DOGWOOD), 4' HEIGHT, BALLED AND BURLAPPED	EACH	35
	D2002972	EVERGREEN, PINUS STROBUS (EASTERN WHITE PINE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	20
	X0322288	MEDIAN CLOSURE	EACH	1
	X0322352	SEEDING MOBILIZATION	EACH	2
	X0323660	DROP BOX NO. 1	EACH	1
*	X0326682	UPGRADE EXISTING WEATHER STATION	L SUM	1
	X0712400	TEMPORARY PAVEMENT	SQ YD	916
	X0919000	TEMPORARY PAVEMENT REMOVAL	SQ YD	586
	X6063600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	691
	X7013015	TRAFFIC CONTROL FOR ROAD CLOSURE	LSUM	1
	X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	9400
	X7800630	URETHANE PAVEMENT MARKING - LINE 6"	FOOT	1180
	X8410105	TEMPORARY LIGHTING SYSTEM	EACH	2
	Z0013798	CONSTRUCTION LAYOUT	LSUM	1
†	Z0014800	CULVERT TO BE CLEANED	FOOT	148
	Z0023600	FILLING EXISTING CULVERTS	EACH	2
	Z0030280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3	EACH	3

△ NON-PARTICIPATING 100% STATE

* SPECIALTY ITEMS
† NON PARTICIPATING 100% STATE

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	PLOT DATE = Wed Dec 09 13:59:13 2009	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	5
		CONTRACT NO. 64D92		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

See cross sections for special ditches and backslopes.

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

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

It is estimated that 38,988 cubic yards of earth will be hauled to the job from outside the project limits. A shrinkage factor of 25% has been used.

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

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

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

Placement and compaction of the backfill for proposed across road culverts and existing across road culverts that are removed shall conform to Section 502.10 of the Standard Specifications, except that the material shall conform to Article 208.02 of the Standard Specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. Any material conforming to the requirements of Article 1003.04 or 1004.05 which has been excavated from the trenches shall be used for backfilling the trenches. The entire excavation, within 2 feet outside of each shoulder, shall be backfilled with trench backfill material to the bottom of the proposed subgrade. 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.

The subgrade on this project, exclusive of rock cut areas is scheduled to be improved to a 300 mm (12") depth according to Mechanistic Pavement Design. The areas scheduled to be improved to a depth greater than 300 mm (12") are estimated based on the original geotechnical investigation. The subgrade shall be processed in accordance with Article 301.03 of the Standard Specifications before the engineer shall determine the limits and the additional thickness of improvement required, if any. Any additional undercutting required after this evaluation shall be paid for as EARTH EXCAVATION.

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.

All embankment constructed of cohesive soil shall be constructed with not more than 110% of optimum moisture content, determined by the standard proctor test. Cohesive soil shall be defined as any soil which contains greater than 10% particles by weight passing the 75 µm (#200 sieve). The 110% of optimum moisture limit may be waived in free-draining granular material when approved by the Engineer.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Incidental	Temporary Pavement
PG:	PG 64-22	PG 64-22
Design Air Voids	4 @ N50	4 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 19.0
Friction Aggregate	C	N/A
20 Year ESAL	N/A	2.2

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.

Install rumble strips in all shoulders in accordance with State Standard 642001. Rumble Strips shall be placed on shoulders on both sides of the pavement.

Bituminous prime coat shall be placed in accordance with Section 406 of the Standard Specifications. The cost of the prime coat shall be included in the contract unit price per Ton for INCIDENTAL HOT-MIX ASPHALT SURFACING.

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

The new number for this structure will be SN 043-1086.
The old number for this structure is SN 043-1080.

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

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

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

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 tc mount the mailbox on a 100 mm x 100 m (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 7 mailboxes to be relocated.

All frames and grates of drainage structures to be removed or filled shall be carefully salvaged and shall remain the property of the Contractor.

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.

Work on this project will be in progress at the same time as work on Contract #64C68, removal and replacement of SN 043-1004 carrying US 20 over a drainage ditch located west of Camillus Drive in East Dubuque, and the construction of the left turn lane at Camillus Drive. Special attention applies to Article 701.05 of the Standard Specifications for Road and Bridge Construction for gaps between successive lane closures shall not be less than 2 miles in length. Work on these projects shall be scheduled to keep interference between all the projects to a minimum. The contractors shall inform each other of progress of the projects and give fair warning to the other contractors when a problem might be encountered.

GENERAL NOTES

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

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

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

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

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

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

All gutter outlets shall be extended to ditch flow as directed by the Engineer.

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

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

BP Pipelines North America, Inc.	Jo-Carroll Energy
NICOR Gas Co.	Northern Natural Gas Co.
Frontier/Citizens Communications	Mid-American Pipeline Co.

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

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

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

Policy Guidelines

1. All trees removed from the project area (6.1 acres of trees, max.) for construction or maintenance purposes will be replaced with deciduous tree species which are native to the District 2 area. Trees will be replaced according to IDOT Departmental Policy D&E-18 (September 18, 2002). The location of the replacement trees shall be determined by the District 2 Landscape Architect.

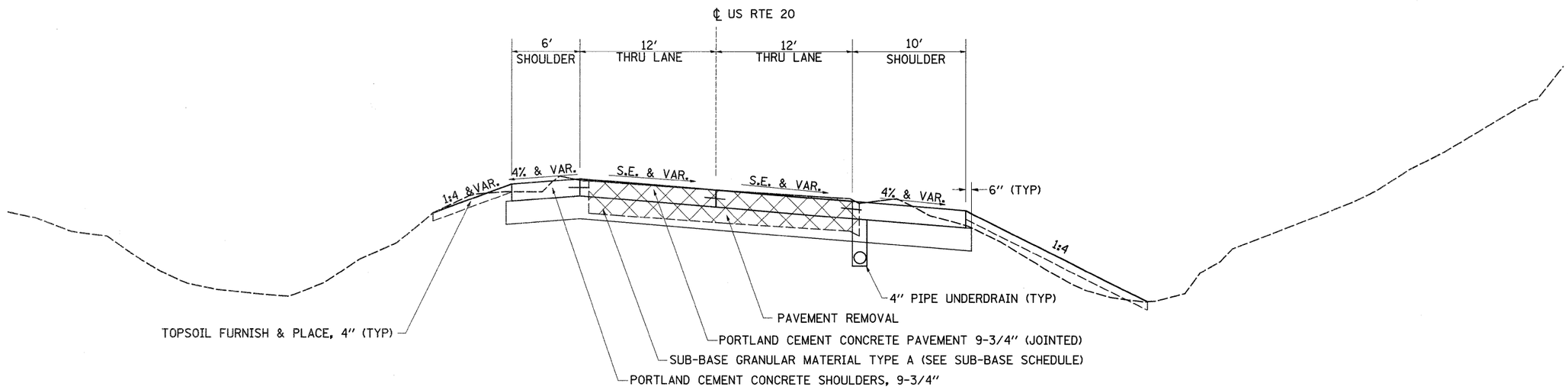
2. According to IDOT BDE procedure memorandum 99-34 and Operations Policy 5-1800, all unmowed areas should be designated in the plans and seeded with the appropriate native seeding selections from Class 4, per directive of the December 8, 1999 Studies and Plans Engineer's Memorandum.

Commitments

1. No construction activities will take place more than 10 feet beyond the construction limits as shown on the project plans. This will avoid impacting any endangered species.

TYPICAL SECTIONS

STA. 232+00 - 236+00



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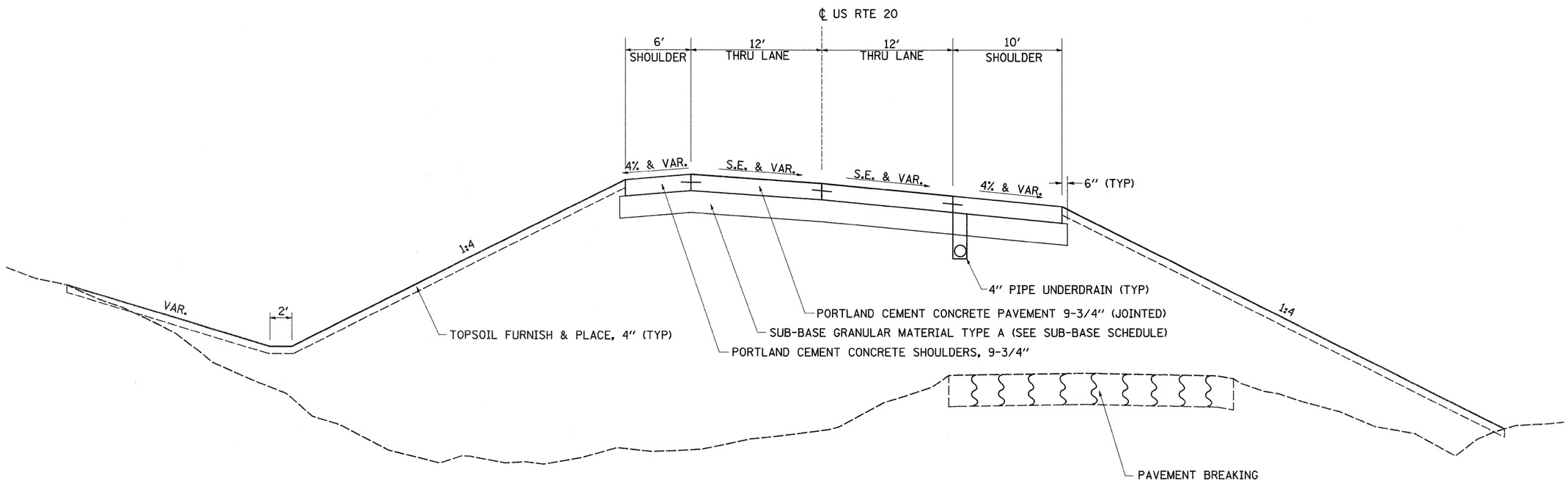
	PLOT DATE = Wed Dec 09 11:51:53 2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			

TYPICAL SECTIONS

STA. 236+00 - 248+50



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		DRAWN -	REVISED -			301	31T	JO DAVIESS	160	9
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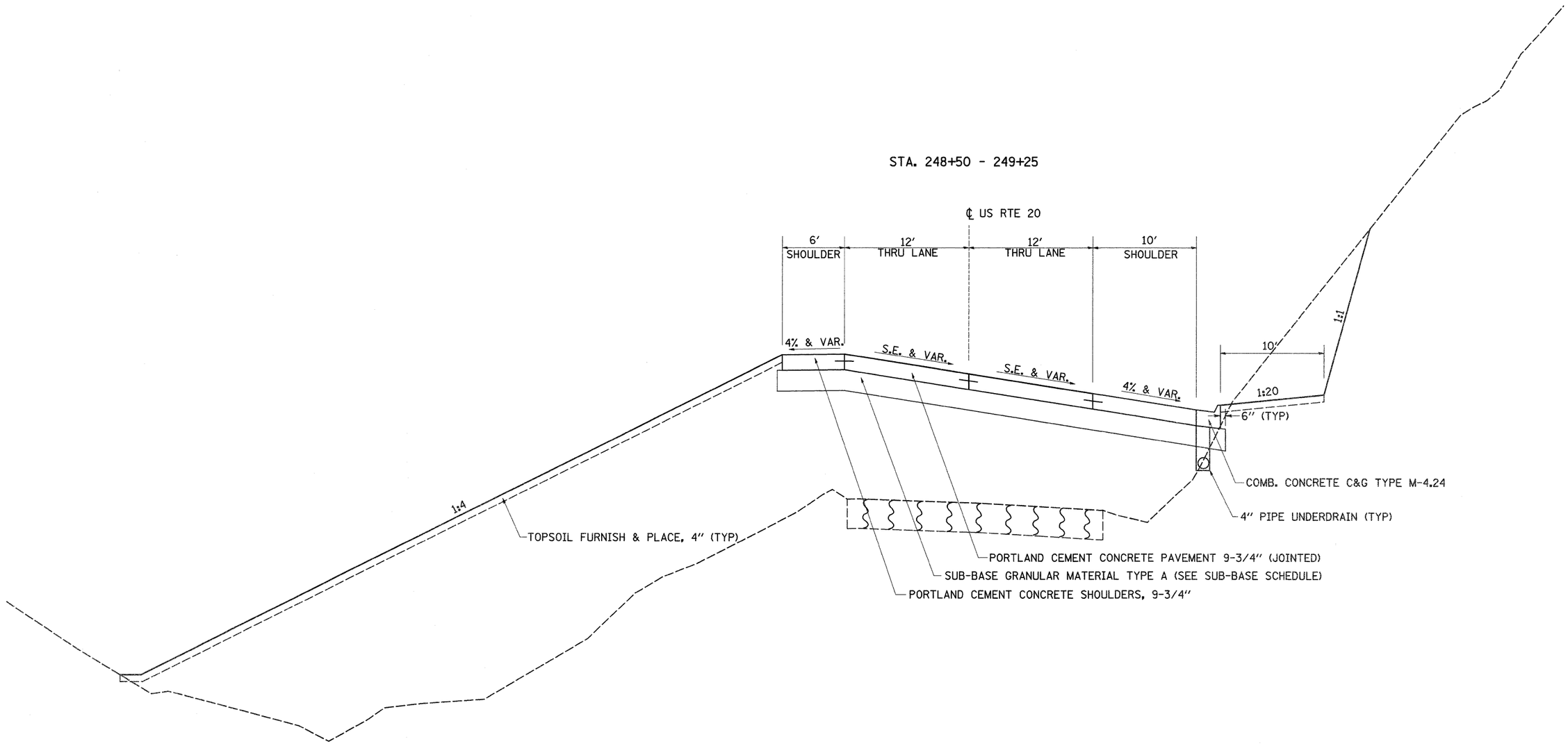
TYPICAL SECTIONS



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		DRAWN -	REVISED -			301	31T	JO DAVIESS	160	10
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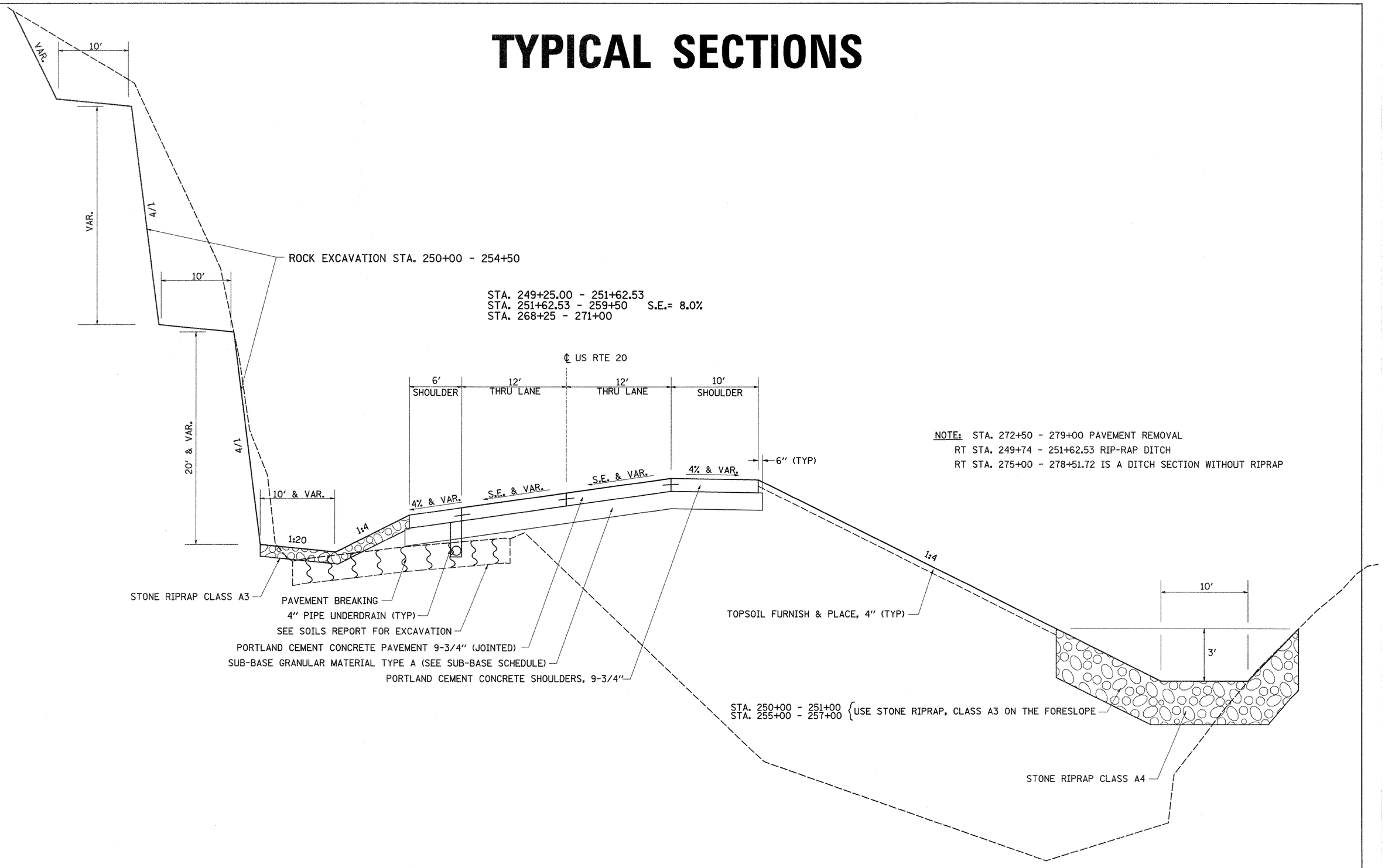
	PLOT DATE = Wed Dec 09 11:51:52 2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			

TYPICAL SECTIONS



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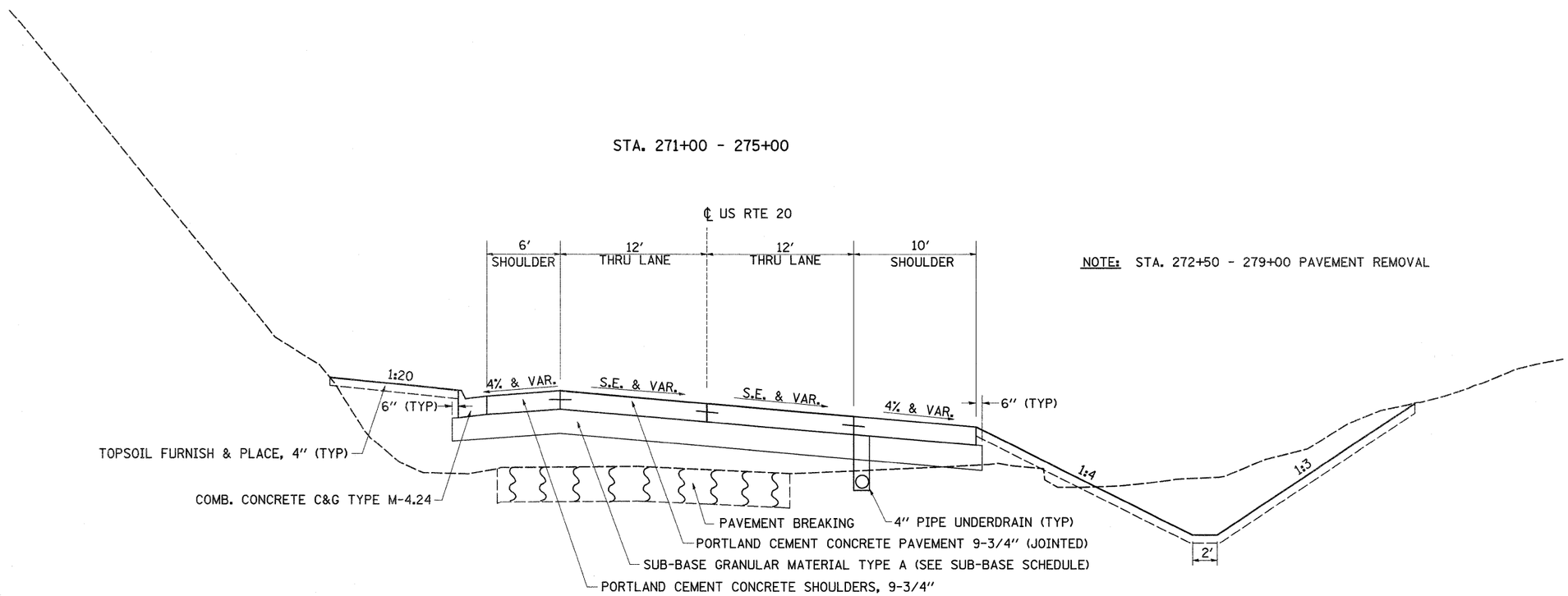
		DRAWN -	REVISED -			301	31T	JO DAVIESS	160	11
	PLOT SCALE = 50.0000 ′ / IN.	CHECKED -	REVISED -					CONTRACT NO. 64D92		
	PLOT DATE = Wed Dec 09 11:51:52 2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

TYPICAL SECTIONS

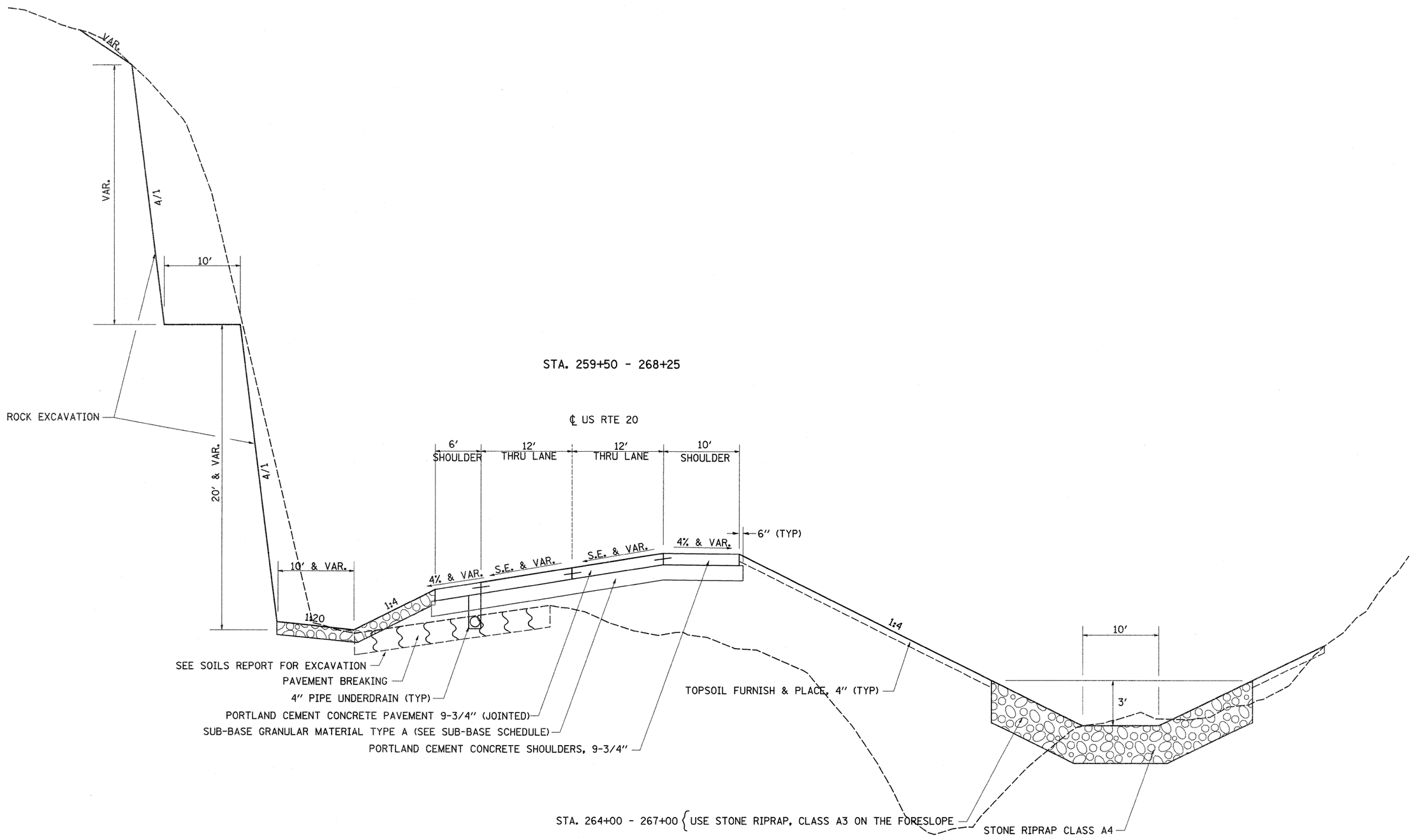
STA. 271+00 - 275+00



NOTE: STA. 272+50 - 279+00 PAVEMENT REMOVAL

FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-typical.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			301	31T	JO DAVIESS	160	12
	PLOT SCALE = 50.0000 ′ / IN.	CHECKED -	REVISED -					CONTRACT NO. 64D92		
	PLOT DATE = Wed Dec 09 11:51:52 2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			

TYPICAL SECTIONS



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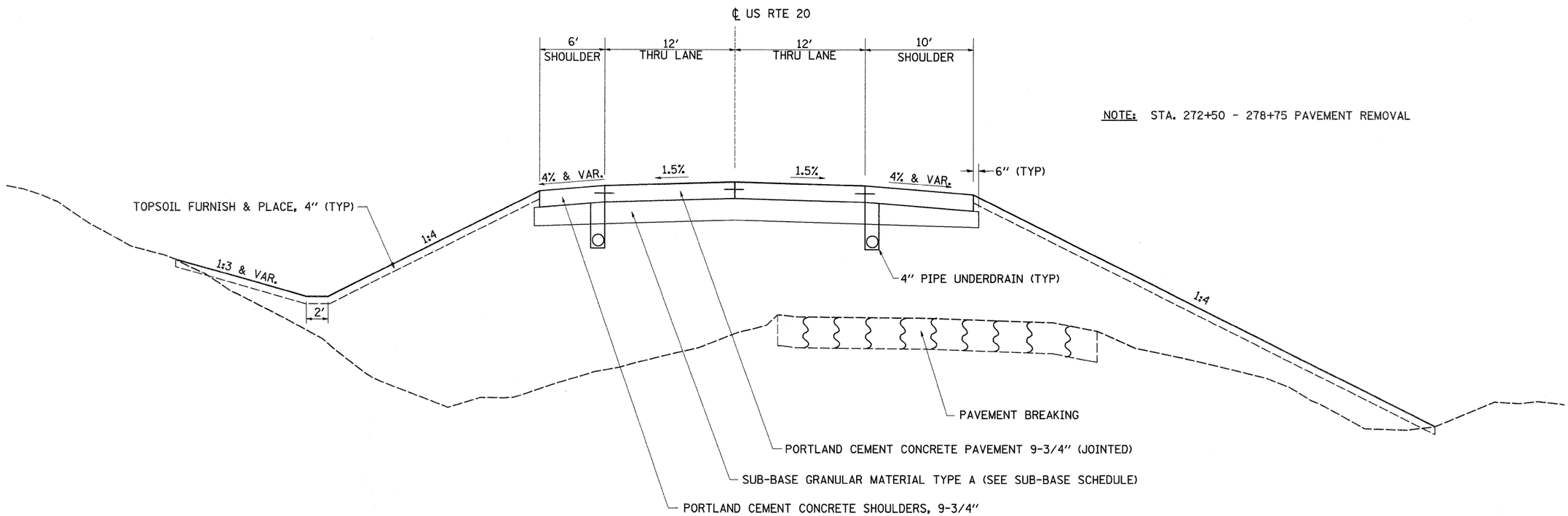
		DRAWN -	REVISED -			301	31T	JO DAVIESS	160	13
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -			CONTRACT NO. 64D92				
	PLOT DATE = Wed Dec 09 11:51:52 2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS

STA. 275+00 - 278+75

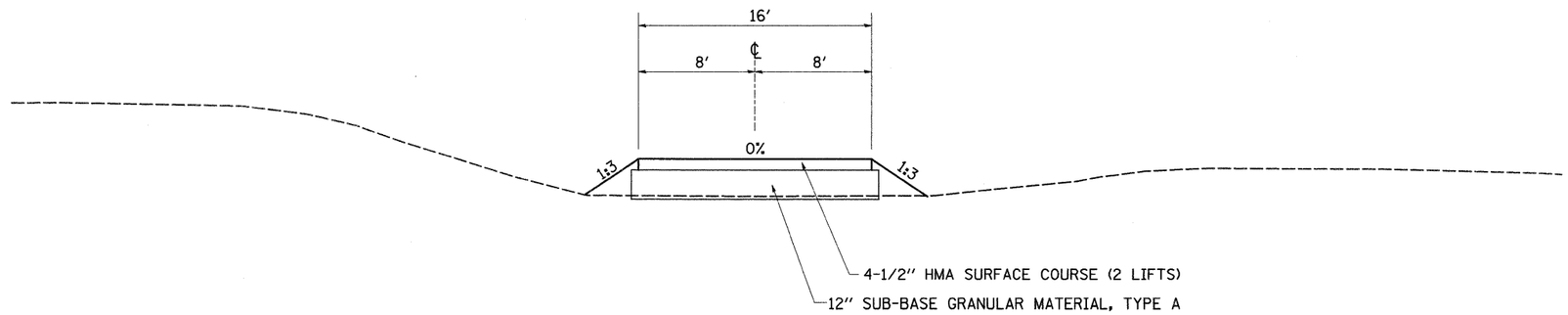


NOTE: STA. 272+50 - 278+75 PAVEMENT REMOVAL

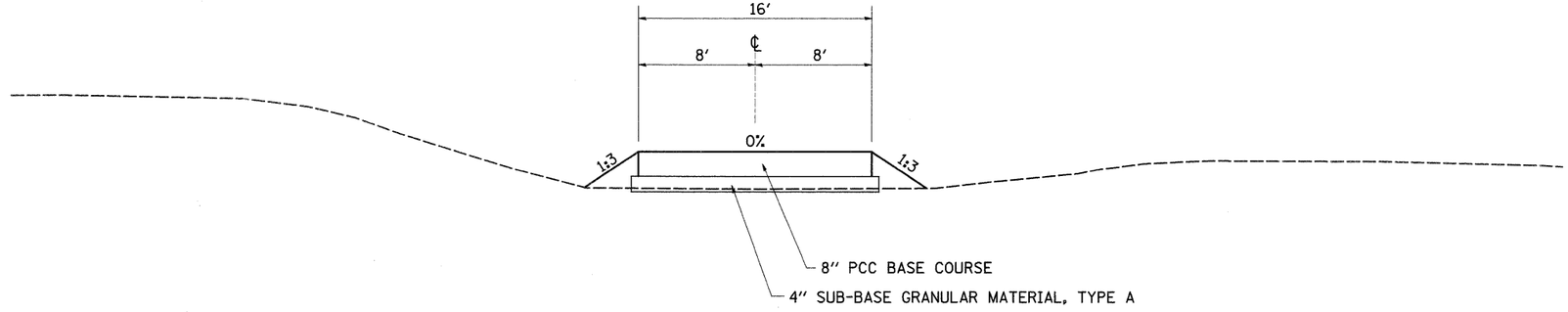
FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202608-typical.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -			301	31T	JO DAVIESS	160	14
	PLOT DATE = Wed Dec 09 11:51:53 2009	CHECKED -	REVISED -					CONTRACT NO. 64D92		
		DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			

TYPICAL SECTIONS

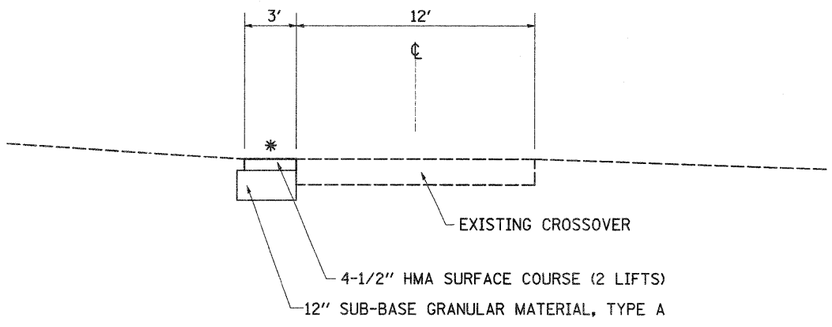
TEMPORARY (WEST) CROSSOVER
BITUMINOUS OPTION



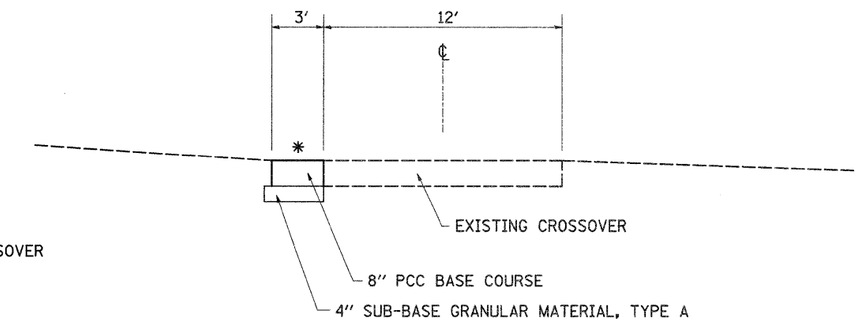
TEMPORARY (WEST) CROSSOVER
CONCRETE OPTION



(EAST) CROSSOVER
BITUMINOUS OPTION



(EAST) CROSSOVER
CONCRETE OPTION



✱ MATCH EXISTING X-SLOPE OF ADJACENT CROSSOVER

FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-typical.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:51:53 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

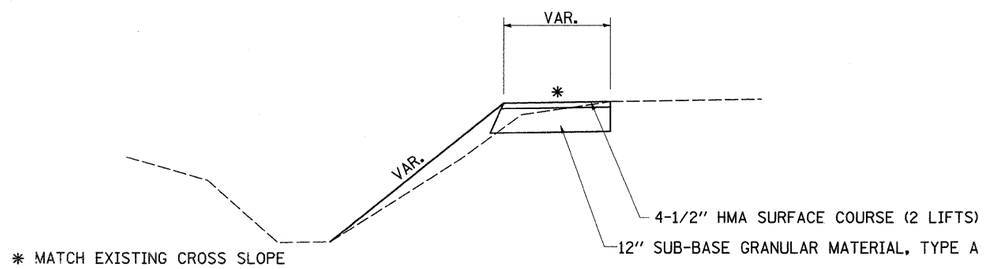
TYPICAL SECTIONS

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

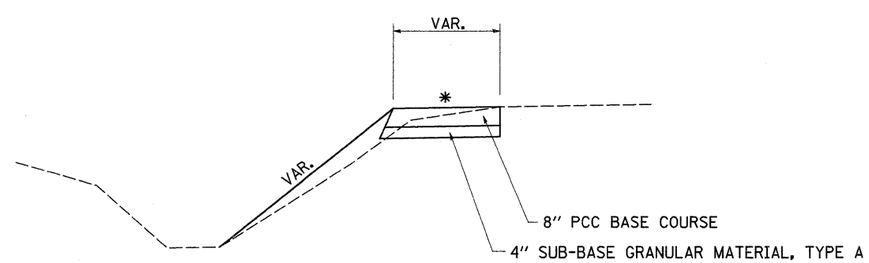
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	15
		CONTRACT NO. 64D92		
	ILLINOIS	FED. AID PROJECT		

TYPICAL SECTIONS

TEMPORARY PAVEMENT (ASPHALT OPTION)
US 20 WESTBOUND / MAIN ST. CROSSOVER



TEMPORARY PAVEMENT (CONCRETE OPTION)
US 20 WESTBOUND / MAIN ST. CROSSOVER



FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-typical.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			301	31T	JO DAVIESS	160	16
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 64D92		
	PLOT DATE = Wed Dec 09 11:51:53 2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

20100500 TREE REMOVAL, ACRES

ACRE	LOCATION					REMARK'S
6	LT & RT. STA	244 + 50	TO	279 + 00		
6	TOTAL					

25100630 EROSION CONTROL BLANKET

SQ YD	LOCATION				REMARK'S
8947	LT. STA	232 + 00	TO	250 + 00	Foreslopes, Back Slopes & Ditch Bottoms
4191	RT. STA	232 + 00	TO	247 + 76	Foreslopes, Back Slopes & Ditch Bottoms
1500					SW Quadrant of US 20 (Westbound) & Main St. (Estimated)
14638	TOTAL				

28000305 TEMPORARY DITCH CHECKS

FOOT	LOCATION				REMARK'S
16	RT. STA	233 + 0	TO	234 + 0	@ 100' CTS.
48	RT. STA	236 + 0	TO	241 + 0	@ 100' CTS.
48	RT. STA	242 + 50	TO	245 + 0	@ 50' CTS.
56	RT. STA	245 + 50	TO	247 + 0	@ 25' CTS.
72	LT. STA	233 + 0	TO	241 + 0	@ 100' CTS.
24	LT. STA	243 + 0	TO	245 + 0	@ 100' CTS.
1696	LT. STA	249 + 20	TO	270 + 20	@ 20' CTS.
1792	RT. STA	250 + 60	TO	272 + 80	@ 20' CTS.
96	RT. STA	273 + 0	TO	278 + 50	@ 50' CTS.
3848	TOTAL				

28000400 PERIMETER EROSION BARRIER

FOOT	LOCATION				REMARK'S
374	LT. STA.	276 + 00	TO	279 + 00	
374	TOTAL				

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION		REMARK'S
1	RT. STA.	241 + 90	End Section
1	RT. STA.	245 + 22	Entrance Culvert
1	RT. STA.	249 + 74	Drop Box
1	RT. STA	258 + 87	Entrance Culvert
1	RT. STA	272 + 85	Entrance Culvert
4	TOTAL		

28100105 STONE RIPRAP, CLASS A3

SQ YD	LOCATION				REMARK'S
5940	LT. STA.	248 + 83	TO	270 + 50	
129	RT. STA.	250 + 00	TO	251 + 00	Foreslope
282	RT. STA.	255 + 00	TO	257 + 00	Foreslope
414	RT. STA.	264 + 00	TO	267 + 00	Foreslope
6765.0	TOTAL				

28100107 STONE RIPRAP, CLASS A4

SQ YD	LOCATION				REMARK'S
9429	LT & RT. STA.	250 + 00	TO	272 + 00	Ditch
5.5	RT STA.	247 + 45			Curb & Gutter Outlet (5' x 10')
9434.5	TOTAL				

28200200 FILTER FABRIC

SQ YD	LOCATION				REMARK'S
5940	LT. STA.	248 + 83	TO	270 + 50	Ditch
10254	LT & RT. STA.	250 + 00	TO	272 + 00	Ditch
5.5	RT STA.	247 + 45			Curb & Gutter Outlet (5' x 10')
16199.5	TOTAL				

44000100 PAVEMENT REMOVAL

SQ YD	LOCATION				REMARK'S
1251.1	LT/RT	232 + 00	TO	236 + 50	Includes existing bituminous shoulder's
1842.2	LT/RT	272 + 50	TO	278 + 75	Includes existing bituminous shoulder's
3093.3	TOTAL				

44000400 GUTTER REMOVAL

FOOT	LOCATION				REMARK'S
144	LT. STA.	272 + 50	TO	273 + 94	
144	TOTAL				

44004000 PAVED DITCH REMOVAL

FOOT		LOCATION	REMARK'S
210.0		SW Quadrant of US 20 (Westbound) & Main St.	
210.0	TOTAL		

44004300 PAVEMENT BREAKING

SQ YD		LOCATION			REMARK'S
10711.0	LT/RT	236 + 50	TO	272 + 50	
10711.0	TOTAL				

50100300 REMOVAL OF EXISTING STRUCTURES NO.1

EACH		LOCATION	REMARKS
1	LT/RT	249 + 74	10' x 8' Box Culvert with Headwalls on the Lt & Rt
1	TOTAL		

50100400 REMOVAL OF EXISTING STRUCTURES NO.2

EACH		LOCATION	REMARKS
1	RT	257 + 50	13' x 7' Box Culvert 14' with 60" RCCP 62'
1	TOTAL		

SCHEDULE OF QUANTITIES

50104400 CONCRETE HEADWALL REMOVAL

EACH	LOCATION		REMARK'S
1	LT. STA.	257+ 31	
1	LT. STA.	264+ 95	
2	TOTAL		

51500100 NAME PLATES

EACH	LOCATION		REMARK'S
1	STA.	249+ 74	
1	TOTAL		

542A1081 PIPE CULVERTS, CLASS A, TYPE 2 36"

FOOT	LOCATION		REMARK'S
84	STA.	241+ 91	
84	TOTAL		

542A1117 PIPE CULVERTS, CLASS A, TYPE 2 72"

FOOT	LOCATION		REMARK'S
180	STA.	249+ 74	112' LT & 68' RT @ 52^ SKEW
180	TOTAL		

54213681 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"

EACH	LOCATION		REMARK'S
1	RT. STA.	241+ 91	
1	TOTAL		

54213717 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 72"

EACH	LOCATION		REMARK'S
1	LT. STA.	249+ 74	
1	TOTAL		

60100060 CONCRETE HEADWALL FOR PIPE DRAINS

EACH	LOCATION		REMARK'S
1	RT. STA.	232+ 00	
1	RT. STA.	235+ 00	
2 LT &	RT. STA.	238+ 00	
2 LT &	RT. STA.	241+ 00	
2 LT &	RT. STA.	243+ 00	
1	RT. STA.	246+ 00	
1	LT. STA.	250+ 00	
1	RT. STA.	251+ 00	
1	LT. STA.	253+ 00	
1	LT. STA.	256+ 00	
1	LT. STA.	259+ 00	
1	LT. STA.	262+ 00	
1	LT. STA.	265+ 00	
1	LT. STA.	268+ 00	
1	RT. STA.	270+ 00	
1	RT. STA.	273+ 00	
1	RT. STA.	276 00	
1	LT. STA.	277+ 00	
21	TOTAL		

60107600 PIPE UNDERDRAINS, 4"

FOOT	LOCATION				REMARK'S
2162	RT. STA.	232+ 00	TO	253+ 62	
748	LT. STA.	237+ 00	TO	244+ 49	
2311	LT. STA.	249+ 64	TO	272+ 75	
893	RT. STA.	270+ 07	TO	279+ 00	
195	LT. STA.	276+ 80	TO	278+ 75	
6310	TOTAL				

60108100 PIPE UNDERDRAINS 4" (SPECIAL)

FOOT	LOCATION		REMARK'S
20	RT. STA.	232+ 00	
16	RT. STA.	235+ 00	
10	LT. STA.	238+ 00	
13	RT. STA.	238+ 00	
10	LT. STA.	241+ 00	
13	RT. STA.	241+ 00	
10	LT. STA.	243+ 00	
13	RT. STA.	243+ 00	
15	RT. STA.	246+ 00	
10	LT. STA.	250+ 00	
14	RT. STA.	251+ 00	
10	LT. STA.	253+ 00	
10	LT. STA.	256+ 00	
10	LT. STA.	259+ 00	
10	LT. STA.	262+ 00	
10	LT. STA.	265+ 00	
10	LT. STA.	268+ 00	
15	RT. STA.	270+ 00	
15	RT. STA.	273+ 00	
15	RT. STA.	276 00	
10	LT. STA.	277+ 00	
259	TOTAL		

SCHEDULE OF QUANTITIES

60403700 LIDS, TYPE 1, OPEN LID

EACH	LOCATION		REMARK'S
1	LT. STA.	241+ 91	
1	TOTAL		

60600095 CLASS SI CONCRETE (OUTLET)

CUBIC YARD	LOCATION		REMARK'S
4.00	RT. STA.	247+ 76	Outlet
1.23	RT. STA.	249+ 50	Inlet
4.10	LT. STA.	270+ 76	Outlet
9.33	TOTAL		

63200310 GUARDRAIL REMOVAL

FOOT	LOCATION				REMARK'S
110.11	LT. STA.	248+ 67.4	TO	249+ 78	
146.66	RT. STA.	249+ 48	TO	250+ 95	
522.7	RT. STA.	252+ 30	TO	257+ 34	
1467.77	RT. STA.	257+ 74	TO	271+ 91	
74.82	LT. STA.	264+ 42	TO	265+ 17	
122.09	LT. STA.	256+ 48	TO	257+ 70	
2444.15	TOTAL				

63500105 DELINEATORS

EACH	LOCATION		REMARK'S
2	LT. & RT STA.	250+ 27	
4	MEDIAN STA	306+ 5	INSTALLED AT CROSSOVER
4	MEDIAN STA	324+ 86	INSTALLED AT CROSSOVER
10	TOTAL		

63500120 DELINEATOR REMOVAL

EACH	LOCATION		REMARK'S
4	MEDIAN STA	306+ 5	REMOVED ONCE PROJECT IS COMPLETE
4	MEDIAN STA	324+ 86	REMOVED ONCE PROJECT IS COMPLETE
8	TOTAL		

63801205 TEMPORARY MODULAR GLARE SCREEN

FOOT	LOCATION				REMARK'S
650	LT. STA.	221+ 50	TO	228+ 00	INSTALL ON BARRIER WALL
650	TOTAL				

64200105 SHOULDER RUMBLE STRIP

FOOT	LOCATION				REMARKS
1360	LT. STA.	232+ 00	TO	245+ 60	
2805	LT. STA.	246+ 89	TO	274+ 94	
250	LT. STA.	276+ 50	TO	279+ 00	
1269	RT. STA.	232+ 00	TO	244+ 69	
1325	RT. STA.	245+ 04	TO	258+ 28	
1339	RT. STA.	258+ 71	TO	272+ 11	
610	RT. STA.	272+ 65	TO	278+ 75	
8958	TOTAL				

66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS

EACH	LOCATION		OFFSET		REMARK'S
1	STA.	248+ 71.4	140'	LT	
1	STA.	249+ 50.0	48.15'	R	
1	STA.	249+ 63.5	54.2395'	LT	
1	STA.	252+ 00.0	115'	R	
1	STA.	253+ 00.0	105'	R	
1	STA.	255+ 00.0	105'	R	
1	STA.	256+ 50.0	115'	R	
1	STA.	258+ 01.0	101.98'	RT	
1	STA.	258+ 31.0	160'	RT	
1	STA.	258+ 71.0	160'	RT	
1	STA.	259+ 50.0	115'	R	
1	STA.	261+ 50.0	110'	R	
1	STA.	263+ 50.0	95'	R	
1	STA.	267+ 25.0	95'	R	
1	STA.	272+ 00.0	105'	R	
1	STA.	273+ 25.0	43.83'	LT	
1	STA.	274+ 00.0	80'	LT	
1	STA.	276+ 25.0	135'	R	
1	STA.	276+ 79.7	70'	LT	
1	STA.	279+ 25.0	65'	R	
1	STA.	279+ 50.0	65'	LT	
1	STA.	280+ 19.1	33'	R	
1	STA.	280+ 00.0	43.91'	LT	
23	TOTAL				

66700305 PERMANENT SURVEY MARKERS, TYPE II

EACH	LOCATION		REMARK'S
2	LT/RT	250+ 27	AR Culvert – Location determined by District office – Chief of Surveys
2	TOTAL		

70300610 TEMPORARY PAINT PAVEMENT MARKING – LETTERS AND SYMBOLS

SQ FT	LOCATION				REMARK'S
62	LT. STA.	199+ 00	TO	202+ 00	4-LEFT TURN LANE ARROWS
62	TOTAL				

70300625 TEMPORARY PAINT PAVEMENT MARKING – LINE 4"

FOOT	LOCATION				REMARK'S
12416	White				Use Std. 701416 for laying out striping.
23257	Yellow				Use Std. 701416 for laying out striping.
650	Yellow				MAIN ST. INTERSECTION (2 APPLICATIONS)
4200	Yellow	276+ 00	TO	297+ 00	CENTER LINE DOUBLE YELLOW EASTBOUND LANES
650	White	323+ 00	TO	329+ 50	SOLID CENTER LINE
850	White	LT			EDGE LINES USED IN DIST. STD. 94.2 NEAR BARGE TERMINAL RD.
850	White	RT			EDGE LINES USED IN DIST. STD. 94.2 NEAR BARGE TERMINAL RD.
35673	TOTAL				

SCHEDULE OF QUANTITIES

70300640 TEMPORARY PAINT PAVEMENT MARKING – LINE 8"

FOOT		LOCATION				REMARK'S
300	LT. STA.	199 + 00	TO	202 + 00		LEFT TURN LANE NEAR BARGE TERMINAL RD.
300	STA.	329 + 75	TO	332 + 00		CL OF EASTBOUND LANES NEAR EAST CROSSOVER
600	TOTAL					

70300660 TEMPORARY PAINT PAVEMENT MARKING – LINE 24"

FOOT		LOCATION	REMARK'S
60	White		STOP BARS AT INTERSECTION
60	TOTAL		

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

SQ FT		LOCATION				REMARK'S
4139	White					Use Std. 701416 for laying out striping.
7752	Yellow					Use Std. 701416 for laying out striping.
1400	CL. STA.	276 + 00	TO	297 + 00		DOUBLE YELLOW EASTBOUND LANES
200	LT. STA.	199 + 00	TO	202 + 00		LEFT TURN LANE NEAR BARGE TERMINAL RD.
200	LT. STA.	329 + 75	TO	332 + 00		CL OF EASTBOUND LANES NEAR EAST CROSSOVER
62	LT. STA.	199 + 00	TO	202 + 00		4–LEFT TURN LANE ARROWS NEAR BARGE TERMINAL RD.
283	White	LT				EDGE LINES USED IN DIST. STD. 94.2 NEAR BARGE TERMINAL RD.
283	White	RT				EDGE LINES USED IN DIST. STD. 94.2 NEAR BARGE TERMINAL RD.
48	White					2 STOP BARS AT INTERSECTION OF US 20 & MAIN ST. WESTBOUND LANES
14368	TOTAL					

70400100 TEMPORARY CONCRETE BARRIER

FOOT		LOCATION				REMARK'S
10250	LT. STA.	219 + 65	TO	329815 + 47		Stationing off of Exist. EB US 20 Alignment
10250	TOTAL					

78001110 PAINT PAVEMENT MARKING – LINE 4"

FOOT		LOCATION				REMARK'S
5000	LT & RT. STA.	213 + 00	TO	330 + 00		Final edge line striping once all staging is removed
5000	TOTAL					

78100100 RAISED REFLECTIVE PAVEMENT MARKERS

EACH		LOCATION				REMARK'S
118	CL STA.	232 + 00	TO	278 + 75		One–Way Crystal @ 40' cts. per Operations
118	TOTAL					

78300100 PAVEMENT MARKING REMOVAL

SQ FT		LOCATION				REMARK'S
650	White	323 + 00	TO	329 + 50		CENTER LINE SKIPS US 20 EASTBOUND
175	White	192 + 00	TO	193 + 75		CENTER LINE SKIPS US 20 WESTBOUND
100	White	202 + 00	TO	203 + 00		CENTER LINE SKIPS
525	White	203 + 16	TO	208 + 41		CENTER LINE SKIPS
3366	White	219 + 00	TO	320 + 00		EDGE LINES DURING STAGING
4816	TOTAL					

89000100 TEMPORARY TRAFFIC SIGNAL INSTALLATION

EACH		LOCATION	REMARK'S
1	CL STA.	289 + 25	MAIN ST. INTERSECTION (Westbound Lanes)
1	TOTAL		

X0322288 MEDIAN CLOSURE

EACH		LOCATION	REMARK'S
1	STA.	326 + 00	INSTALL AT EAST CROSSOVER
1	TOTAL		ONCE IT IS NO LONGER NEEDED

X0323660 DROP BOX, NO.1

EACH		LOCATION	REMARK'S
1	RT STA.	249 + 74	
1	TOTAL		

X6063600 COMBINATION CONCRETE CURB AND GUTTER, TYPE M–4.24

FOOT		LOCATION				REMARK'S
150	RT. STA.	248 + 0	TO	249 + 50		
541	LT. STA.	271 + 0	TO	275 + 28		
691	TOTAL					

X7800610 URETHANE PAVEMENT MARKING LINE 4"

FOOT		LOCATION				REMARK'S
4700	LT. STA.	232 + 00	TO	279 + 00		LT Edge Line (Yellow)
4700	RT. STA.	232 + 00	TO	278 + 75		RT Edge Line (White)
9400	TOTAL					

X7800630 URETHANE PAVEMENT MARKING LINE 6"

FOOT		LOCATION				REMARK'S
1180	LT. STA.	232 + 00	TO	278 + 75		CL Skip Dash
1180	TOTAL					

X8410105 TEMPORARY LIGHTING SYSTEM

EACH		LOCATION	REMARK'S
1	RT STA.	220 + 00	WEST CROSSOVER
1	RT STA.	326 + 00	EAST CROSSOVER
2	TOTAL		

Z0014800 CULVERT TO BE CLEANED

FOOT		LOCATION	REMARK'S
148	LT. STA.		60" RCP Under US 20 Westbound receiving flow
148	TOTAL		from the proposed culvert @ Sta. 249 + 74

Z0023600 FILLING EXISTING CULVERTS

EACH		LOCATION	REMARK'S
1	LT & RT STA.	257 + 32	75', 3' x 3' Box Culvert
1	LT & RT STA.	264 + 70	78', 2' x 2' Box Culvert
2	TOTAL		

Z0030280 IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3

EACH		LOCATION	REMARK'S
1	RT STA.	223 + 50	Temporary west crossover, Stage 1
1	CL	288 + 27	Main St. intresection
1	CL	290 + 31	Main St. intresection
3	TOTAL		

EARTHWORK /SEEDING SCHEDULE

LOCATION	20200100 EARTH EXCAVATION CU YD	20200200 ROCK EXCAVATION CU YD	20400800 FURNISHED EXC CU YD	EARTH EXC ADJ SHRINK 25% EARTH CU YD	EMBANK (FILL) CU YD	EARTH WORK BALANCE WASTE (+) SHORTAGE (–) CU YD	25000210 SEEDING CLASS 2A ACRE	25000310 SEEDING CLASS 4 ACRE	25000400 NITROGEN FERTILIZER NUTRIENTS POUND	25000500 PHOSPHOROUS FERTILIZER NUTRIENTS POUND	25000600 POTASSIUM FERTILIZER NUTRIENTS POUND	25000750 MOWING ACRE	25100115 MULCH METHOD 2 ACRE	28000250 TEMPORARY EROSION CONTROL SEEDING POUNDS	21101615 TOPSOIL FURNISH & PLACE 4" SQ YD
232 + 00 – 245 + 00	955		10776	716	11492	–10775	1.25	0.25	135.00	135.00	135.00	1.25	1.50	2250.00	7245
245 + 00 – 259 + 00	2576	6631	29516	1932	38079	–36148	4.01	0.98	449.10	449.10	449.10	4.01	4.99	7485.00	24152
259 + 00 – 273 + 00	3112	7955	11922	2334	22211	–19877	0.70	0.44	102.60	102.60	102.60	0.70	1.14	1710.00	5516
273 + 00 – 279 + 78.45	18759			14069	719	13351	0.54	1.08	145.80	145.80	145.80	0.54	1.62	2430.00	7108
Temporary West Crossover	157			117	74	43	0.50		45.00	45.00	45.00	0.50	0.50	750.00	2420
Temp. Pvt. & Ditch Grading near Main St.(Estimated)	10		43	8	50	–43	0.25	0.25	22.50	22.50	22.50	0.25	0.50	375.00	1500
TOTAL	25568	14586	38863	19176	72625	–53449	7.25	3.00	900	900	900	7.25	10.25	15000	47940

PAVING SCHEDULE

Location	Remarks	Length	Proposed Surface Width	Proposed Surface Sq Yd	X0712400 Temporary Pavement SY YD	X0919000 Temporary Pavement Removal SY YD	42000416 Portland Cement Conc. Pavement 9 3/4" (Jointed) Sq Yd	48300415 Portland Cement Conc. Shoulders, 9 3/4" Sq Yd
US 20								
Lt & Rt Sta 232+ 00 – 278+ 75	Main Line	4675	24	12467			12466.67	
CROSSOVER								
Lt & Rt Sta 0+ 00 – 1+ 38		138	VAR	400			400.00	
ACCESS RD A								
Lt & Rt Sta 0+ 12 – 0+ 96		84	VAR	425			425.00	70
Shoulders								
Lt. Sta 232+ 00 – 245+ 78	LT Side Shoulder	1378	6	919				918.7
Lt. Sta 246+ 56 – 275+ 11	LT Side Shoulder	2855	6	1903				1903.3
Lt. Sta 276+ 50 – 278+ 75	LT Side Shoulder	225	6	150				150.0
Rt. Sta 232+ 00 – 278+ 75	RT Side Shoulder	4675	10	5194				5194.4
Crossover								
West Crossover 0+ 73 – 7+ 03	Crossover	0	VAR	586	586	586		
East Crossover	Additional 3'		VAR	171	171			
SW Quadrant of Main St.	Widening Radius Return			141	159			
TOTALS					916	586	13,292	8,236

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EARTHWORK /SEEDING /PAVING SCHEDULE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	21

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT

SUB–BASE SCHEDULE

Location	Remarks	Area	Breaker Run Depth	CA–02 Depth	CA–06 Depth	31100910 Sub–base Granular Type A 12	31100935 Sub–base Granular Type A 18"	31100975 Sub–base Granular Type A 30"
		Sq Yd	Inch	Inch	Inch	Sq Yd	Sq Yd	Sq Yd
US 20								
LT/RT Sta 232 + 00 to 236 + 00	Mainline & Shoulders	1822.2	27		3			1822.2
LT/RT Sta 236 + 00 to 247 + 76	Mainline & Shoulders	5355.3		9	3	5355.3		
LT/RT Sta 247 + 76 to 249 + 62	Mainline & Shoulders	904.0		9	3	904.0		
LT/RT Sta 249 + 62 to 270 + 76	Mainline & Shoulders	9630.0		9	3	9630.0		
LT/RT Sta 270 + 76 to 273 + 00	Mainline & Shoulders	1085.2		9	3	1085.2		
LT/RT Sta 273 + 00 to 275 + 00	Mainline & Shoulders	968.5	15		3		968.5	
LT/RT Sta 275 + 00 to 278 + 75	Mainline & Shoulders	1822.2		9	3	1822.2		
CROSSOVER								
LT/RT Sta 0 + 00 to 1 + 38		415.0		9	3	415.0		
ACCESS RD. A								
LT/RT Sta 0 + 12 to 0 + 96		425.0		9	3	425.0		
TOTALS						19637	969	1822

ENTRANCE SCHEDULE

Location	Remarks	Existing Surface past R.O.W.	Throat Width	Area	Bituminous Materials Prime Coat	40800050 Incidental Hot–Mix Asphalt Surfacing	42300300 PCC Driveway PAVT 7"	35101400 Aggregate Base Course Type B	35101400 Aggregate Base Course Type B (Temp Access) (PE)	(CE)	(FE)	542D0220 Pipe Culverts, Class D, Type 1 15"	542D0229 Pipe Culverts, Class D, Type 1 24"	542D0265 Pipe Culverts, Class D, Type 1 60"	54213450 End Sections 15"	54213459 End Sections 24"	54213495 End Sections 60"
			Foot	SQ YD	Ton	Ton	SQ YD	Ton	Ton	Ton	Ton	Foot	Foot	Foot	Each	Each	Each
US 20																	
Rt Sta 244 + 86	PE	Aggregate	14	129.1	0.07	18.1		59.1	59.1			60			2		
Rt Sta 0 + 65	PE	Aggregate	30	482.1	0.28	67.5		220.7	220.7					72			2
Rt Sta 272 + 38	PE	Aggregate	35	221.4	0.13	31.0		101.4	101.4			44	50			2	
Lt Sta 275 + 17	PE Access Rd.	Aggregate	12	34.4	0.02	4.8	16.2	15.8	15.8			0	0				
	Total			832.6	0.5	121.4	16.2		821.6			104	50	72	2	2	2

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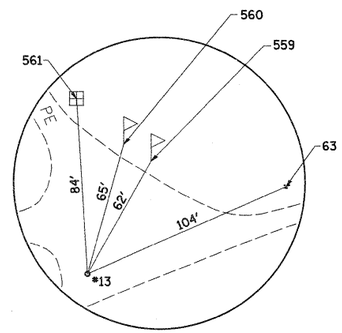
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUB–BASE /ENTRANCE SCHEDULE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	22
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		

HORIZONTAL & VERTICAL CONTROL



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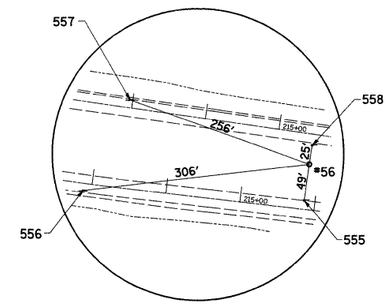
POINT NO. 13



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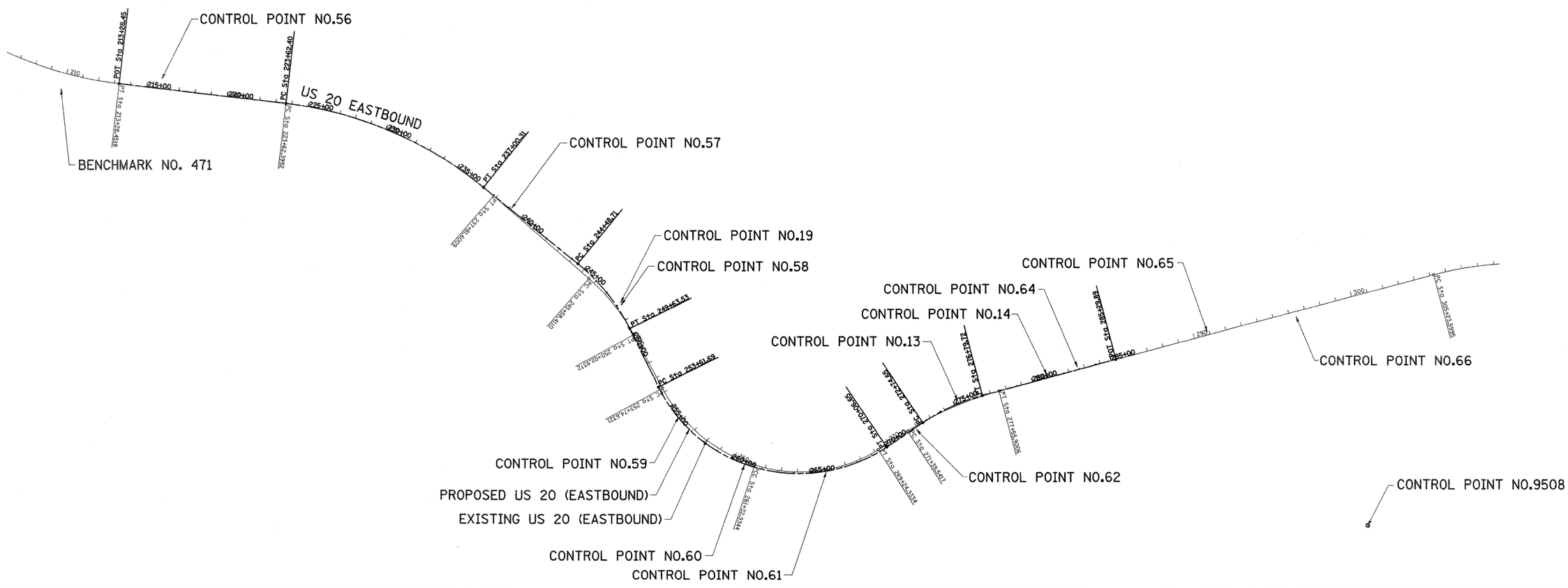
POINT NO. 56



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	PLOT DATE = Wed Dec 09 11:18:30 2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			

HORIZONTAL & VERTICAL CONTROL

Chain EBUS20 contains:
A41 CUR 210 CUR 220 CUR 230 CUR 240 CUR 250 CUR 260A CUR 260B CUR 270 CUR 280 - CUR 290 CUR 300 CUR 310 CUR 1210 CUR 1220 CUR 320 CUR 330 CUR 340 CUR 350 CUR 3-60 CUR 370 CUR 380 CUR 390 CUR 1200 CUR 1350

Beginning chain EBUS20 description
==========

Point A41 N 2,116,769.4382 E 2,173,476.8314 Sta 110+45.2000

Course from A41 to PC 210 135° 50′ 12.0423″ Dist 92.4908′

Curve Data

Curve 210
P.I. Station 121+53.2106 N 2,115,974.5993 E 2,174,248.7890
Delta = 26° 33′ 56.4358″ (LT)
Degree = 1° 19′ 54.9535″
Tangent = 1,015.5198′
Length = 1,994.5227′
Radius = 4,301.7061′
External = 118.2437′
Long Chord = 1,976.7048′
Mid. Ord. = 115.0804′
P.C. Station 111+37.6908 N 2,116,703.0894 E 2,173,541.2703
P.T. Station 131+32.2135 N 2,115,639.4405 E 2,175,207.4074
C.C. N 2,119,700.1139 E 2,176,627.1282

Course from PT 210 to PC 220 109° 16′ 15.6066″ Dist 3,183.2844′

Curve Data

Curve 220
P.I. Station 181+95.1149 N 2,113,968.4973 E 2,179,986.6249
Delta = 14° 45′ 19.4403″ (RT)
Degree = 0° 23′ 40.9006″
Tangent = 1,879.6171′
Length = 3,738.4345′
Radius = 14,516.4834′
External = 121.1821′
Long Chord = 3,728.1123′
Mid. Ord. = 120.1788′
P.C. Station 163+15.4979 N 2,114,588.8399 E 2,178,212.3263
P.T. Station 200+53.9324 N 2,112,916.7109 E 2,181,544.4136
C.C. N 2,100,885.7425 E 2,173,421.3543

Course from PT 220 to PC 230 124° 01′ 35.0469″ Dist 179.2427′

Curve Data

Curve 230
P.I. Station 207+91.4482 N 2,112,504.0155 E 2,182,155.6518
Delta = 27° 20′ 30.5247″ (LT)
Degree = 2° 29′ 46.8188″
Tangent = 558.2731′
Length = 1,095.2766′
Radius = 2,295.1927′
External = 66.9204′
Long Chord = 1,084.9136′
Mid. Ord. = 65.0245′
P.C. Station 202+33.1752 N 2,112,816.4111 E 2,181,692.9664
P.T. Station 213+28.4518 N 2,112,439.0305 E 2,182,710.1298
C.C. N 2,114,718.6205 E 2,182,977.2985

Course from PT 230 to PC 240 96° 41′ 04.5221″ Dist 1,033.9474′

Curve Data

Curve 240
P.I. Station 230+93.9816 N 2,112,233.5165 E 2,184,463.6575
Delta = 34° 18′ 03.4570″ (RT)
Degree = 2° 25′ 00.9096″
Tangent = 731.5824′
Length = 1,419.2017′
Radius = 2,370.6120′
External = 110.3181′
Long Chord = 1,398.1031′
Mid. Ord. = 105.4126′
P.C. Station 223+62.3992 N 2,112,318.6753 E 2,183,737.0484
P.T. Station 237+81.6009 N 2,111,753.6945 E 2,185,015.9108
C.C. N 2,109,964.1788 E 2,183,461.1007

Course from PT 240 to PC 250 130° 59′ 07.9792″ Dist 776.8101′

Curve Data

Curve 250
P.I. Station 247+83.0856 N 2,111,096.8521 E 2,185,771.9065
Delta = 20° 32′ 25.6417″ (RT)
Degree = 4° 37′ 14.7098″
Tangent = 224.6746′
Length = 444.5262′
Radius = 1,239.9664′
External = 20.1905′
Long Chord = 442.1496′
Mid. Ord. = 19.8670′
P.C. Station 245+58.4110 N 2,111,244.2091 E 2,185,602.3053
P.T. Station 250+02.9372 N 2,110,899.3557 E 2,185,879.0223
C.C. N 2,110,308.1895 E 2,184,789.0503

Course from PT 250 to PC 260A 151° 31′ 33.6209″ Dist 371.6949′

Curve Data

Curve 260A
P.I. Station 257+73.1171 N 2,110,222.3417 E 2,186,246.2132
Delta = 43° 30′ 25.6437″ (LT)
Degree = 5° 44′ 14.7756″
Tangent = 398.4850′
Length = 758.3023′
Radius = 998.6301′
External = 76.5686′
Long Chord = 740.2149′
Mid. Ord. = 71.1159′
P.C. Station 253+74.6321 N 2,110,572.6234 E 2,186,056.2315
P.T. Station 261+32.9344 N 2,110,099.0782 E 2,186,625.1543
C.C. N 2,111,048.7301 E 2,186,934.0609

Curve Data

Curve 260B
P.I. Station 265+56.3698 N 2,109,968.0967 E 2,187,027.8221
Delta = 50° 27′ 57.4743″ (LT)
Degree = 6° 22′ 36.4961″
Tangent = 423.4353′
Length = 791.3990′
Radius = 898.5030′
External = 94.7770′
Long Chord = 766.0638′
Mid. Ord. = 85.7335′
P.C. Station 261+32.9344 N 2,110,099.0782 E 2,186,625.1543
P.T. Station 269+24.3334 N 2,110,195.2785 E 2,187,385.1538
C.C. N 2,110,953.5138 E 2,186,903.0886

Course from PT 260B to PC 270 57° 33′ 10.5028″ Dist 215.2083′

Curve Data

Curve 270
P.I. Station 274+50.1507 N 2,110,477.3902 E 2,187,828.8844
Delta = 17° 32′ 23.5776″ (RT)
Degree = 2° 50′ 44.6120″
Tangent = 310.6090′
Length = 616.3589′
Radius = 2,013.3979′
External = 23.8181′
Long Chord = 613.9550′
Mid. Ord. = 23.5396′
P.C. Station 271+39.5417 N 2,110,310.7421 E 2,187,566.7654
P.T. Station 277+55.9006 N 2,110,557.2957 E 2,188,129.0394
C.C. N 2,108,611.6611 E 2,188,646.9945

Course from PT 270 to PC 280 75° 05′ 34.0805″ Dist 2,767.6989′

Curve Data

Curve 280
P.I. Station 309+75.7742 N 2,111,385.6217 E 2,191,240.5441
Delta = 24° 03′ 46.3737″ (RT)
Degree = 2° 42′ 02.1842″
Tangent = 452.1747′
Length = 891.0176′
Radius = 2,121.5892′
External = 47.6509′
Long Chord = 884.4838′
Mid. Ord. = 46.6042′
P.C. Station 305+23.5995 N 2,111,269.2979 E 2,190,803.5880
P.T. Station 314+14.6171 N 2,111,313.6728 E 2,191,686.9579
C.C. N 2,109,219.1134 E 2,191,349.3757

Course from PT 280 to PC 290 99° 09′ 20.4541″ Dist 2,018.9751′

Curve Data

Curve 290
P.I. Station 340+79.3624 N 2,110,889.6650 E 2,194,317.7534
Delta = 31° 29′ 54.5453″ (LT)
Degree = 2° 30′ 07.8095″
Tangent = 645.7702′
Length = 1,258.8471′
Radius = 2,289.8442′
External = 89.3165′
Long Chord = 1,243.0544′
Mid. Ord. = 85.9634′
P.C. Station 334+33.5922 N 2,110,992.4183 E 2,193,680.2105
P.T. Station 346+92.4393 N 2,111,135.1527 E 2,194,915.0430
C.C. N 2,113,253.0891 E 2,194,044.5650

Course from PT 290 to PC 300 67° 39′ 25.9089″ Dist 370.7675′

Curve Data

Curve 300
P.I. Station 354+84.3342 N 2,111,436.1894 E 2,195,647.4872
Delta = 20° 21′ 23.6060″ (RT)
Degree = 2° 26′ 33.5781″
Tangent = 421.1275′
Length = 833.3764′
Radius = 2,345.6300′
External = 37.5042′
Long Chord = 829.0001′
Mid. Ord. = 36.9139′
P.C. Station 350+63.2068 N 2,111,276.0989 E 2,195,257.9755
P.T. Station 358+96.5832 N 2,111,450.7855 E 2,196,068.3616
C.C. N 2,109,106.5648 E 2,196,149.6602

HORIZONTAL & VERTICAL CONTROL

Curve Data

Curve 310
P.I. Station 359+80.7676 N 2,111,453.7033 E 2,196,152.4955
Delta = 8° 17′ 17.1738″ (RT)
Degree = 4° 55′ 52.2769″
Tangent = 84.1844′
Length = 168.0752′
Radius = 1,161.9062′
External = 3.0457′
Long Chord = 167.9287′
Mid. Ord. = 3.0378′
P.C. Station 358+96.5832 N 2,111,450.7855 E 2,196,068.3616
P.T. Station 360+64.6584 N 2,111,444.4626 E 2,196,236.1713
C.C. N 2,110,289.5774 E 2,196,108.6328

Curve Data

Curve 1210
P.I. Station 364+44.7102 N 2,111,402.7457 E 2,196,613.9266
Delta = 20° 59′ 07.4327″ (RT)
Degree = 2° 47′ 31.7183″
Tangent = 380.0518′
Length = 751.5872′
Radius = 2,052.0353′
External = 34.8974′
Long Chord = 747.3932′
Mid. Ord. = 34.3139′
P.C. Station 360+64.6584 N 2,111,444.4626 E 2,196,236.1713
P.T. Station 368+16.2456 N 2,111,228.5102 E 2,196,951.6859
C.C. N 2,109,404.8270 E 2,196,010.9264

Curve Data

Curve 1220
P.I. Station 370+61.1119 N 2,111,116.2508 E 2,197,169.3033
Delta = 27° 00′ 00.7223″ (LT)
Degree = 5° 37′ 03.3540″
Tangent = 244.8663′
Length = 480.6360′
Radius = 1,019.9337′
External = 28.9821′
Long Chord = 476.2011′
Mid. Ord. = 28.1813′
P.C. Station 368+16.2456 N 2,111,228.5102 E 2,196,951.6859
P.T. Station 372+96.8816 N 2,111,115.0240 E 2,197,414.1665
C.C. N 2,112,134.9449 E 2,197,419.2764

Course from PT 1220 to PC 320 90° 17′ 13.3990″ Dist 784.6064′

Curve Data

Curve 320
P.I. Station 383+01.9728 N 2,111,109.9884 E 2,198,419.2451
Delta = 12° 02′ 45.3798″ (RT)
Degree = 2° 44′ 30.4844″
Tangent = 220.4847′
Length = 439.3440′
Radius = 2,089.7131′
External = 11.5994′
Long Chord = 438.5353′
Mid. Ord. = 11.5354′
P.C. Station 380+81.4881 N 2,111,111.0931 E 2,198,198.7631
P.T. Station 385+20.8321 N 2,111,062.8944 E 2,198,634.6416
C.C. N 2,109,021.4062 E 2,198,188.2936

Course from PT 320 to PC 330 102° 19′ 58.7788″ Dist 426.6751′

Curve Data

Curve 330
P.I. Station 391+84.0633 N 2,110,921.2329 E 2,199,282.5673
Delta = 25° 42′ 12.6818″ (LT)
Degree = 5° 31′ 33.0413″
Tangent = 236.5562′
Length = 465.1510′
Radius = 1,036.8691′
External = 26.6422′
Long Chord = 461.2603′
Mid. Ord. = 25.9748′
P.C. Station 389+47.5071 N 2,110,971.7596 E 2,199,051.4702
P.T. Station 394+12.6581 N 2,110,975.9359 E 2,199,512.7116
C.C. N 2,111,984.7007 E 2,199,272.9382

Course from PT 330 to PC 340 76° 37′ 46.0970″ Dist 296.3866′

Curve Data

Curve 340
P.I. Station 399+36.3015 N 2,111,097.0272 E 2,200,022.1616
Delta = 13° 15′ 14.2475″ (RT)
Degree = 2° 55′ 44.9325″
Tangent = 227.2569′
Length = 452.4851′
Radius = 1,956.0562′
External = 13.1572′
Long Chord = 451.4769′
Mid. Ord. = 13.0693′
P.C. Station 397+09.0447 N 2,111,044.4746 E 2,199,801.0646
P.T. Station 401+61.5298 N 2,111,097.4895 E 2,200,249.4180
C.C. N 2,109,141.4374 E 2,200,253.3977

Course from PT 340 to PC 350 89° 53′ 00.3445″ Dist 2,715.4254′

Curve Data

Curve 350
P.I. Station 432+57.4636 N 2,111,103.7884 E 2,203,345.3454
Delta = 2° 01′ 31.2074″ (RT)
Degree = 0° 15′ 58.1874″
Tangent = 380.5084′
Length = 760.9375′
Radius = 21,526.5615′
External = 3.3627′
Long Chord = 760.8979′
Mid. Ord. = 3.3622′
P.C. Station 428+76.9552 N 2,111,103.0142 E 2,202,964.8378
P.T. Station 436+37.8927 N 2,111,091.1144 E 2,203,725.6426
C.C. N 2,089,576.4972 E 2,203,008.6346

Course from PT 350 to PC 360 91° 54′ 31.5519″ Dist 713.1664′

Curve Data

Curve 360
P.I. Station 448+25.5414 N 2,111,051.5561 E 2,204,912.6323
Delta = 27° 49′ 35.9406″ (RT)
Degree = 2° 59′ 28.8514″
Tangent = 474.4823′
Length = 930.2379′
Radius = 1,915.3835′
External = 57.8948′
Long Chord = 921.1225′
Mid. Ord. = 56.1962′
P.C. Station 443+51.0591 N 2,111,067.3602 E 2,204,438.4133
P.T. Station 452+81.2971 N 2,110,816.2150 E 2,205,324.6372
C.C. N 2,109,153.0394 E 2,204,374.6156

Course from PT 360 to PC 370 119° 44′ 07.4926″ Dist 2,869.9966′

Curve Data

Curve 370
P.I. Station 486+85.2729 N 2,109,127.8584 E 2,208,280.3949
Delta = 26° 19′ 04.4479″ (LT)
Degree = 2° 30′ 30.8939″
Tangent = 533.9792′
Length = 1,049.1148′
Radius = 2,283.9910′
External = 61.5897′
Long Chord = 1,039.9162′
Mid. Ord. = 59.9725′
P.C. Station 481+51.2937 N 2,109,392.7097 E 2,207,816.7273
P.T. Station 492+00.4085 N 2,109,096.0271 E 2,208,813.4244
C.C. N 2,111,375.9564 E 2,208,949.5765

Course from PT 370 to PC 380 93° 25′ 03.0447″ Dist 219.0475′

Curve Data

Curve 380
P.I. Station 499+21.8470 N 2,109,053.0211 E 2,209,533.5799
Delta = 7° 45′ 40.1660″ (RT)
Degree = 0° 46′ 24.9793″
Tangent = 502.3909′
Length = 1,003.2450′
Radius = 7,406.3317′
External = 17.0197′
Long Chord = 1,002.4782′
Mid. Ord. = 16.9807′
P.C. Station 494+19.4560 N 2,109,082.9694 E 2,209,032.0824
P.T. Station 504+22.7011 N 2,108,955.6230 E 2,210,026.4392
C.C. N 2,101,689.8087 E 2,208,590.5800

Course from PT 380 to PC 390 101° 10′ 43.2108″ Dist 3,931.3182′

Curve Data

Curve 390
P.I. Station 549+79.9289 N 2,108,072.1171 E 2,214,497.2046
Delta = 8° 43′ 04.5832″ (LT)
Degree = 0° 41′ 51.9658″
Tangent = 625.9097′
Length = 1,249.4033′
Radius = 8,211.2905′
External = 23.8206′
Long Chord = 1,248.1984′
Mid. Ord. = 23.7517′
P.C. Station 543+54.0193 N 2,108,193.4617 E 2,213,883.1701
P.T. Station 556+03.4226 N 2,108,045.2439 E 2,215,122.5371
C.C. N 2,116,248.9627 E 2,215,475.0859

Course from PT 390 to PC 1200 92° 27′ 38.6276″ Dist 674.1303′

Curve Data

Curve 1200
P.I. Station 564+90.9770 N 2,108,007.1371 E 2,216,009.2732
Delta = 7° 38′ 58.6418″ (LT)
Degree = 1° 47′ 41.2207″
Tangent = 213.4242′
Length = 426.2142′
Radius = 3,192.3504′
External = 7.1263′
Long Chord = 425.8977′
Mid. Ord. = 7.1104′
P.C. Station 562+77.5528 N 2,108,016.3004 E 2,215,796.0458
P.T. Station 567+03.7670 N 2,108,026.4391 E 2,216,221.8228
C.C. N 2,111,205.7071 E 2,215,933.1082

Course from PT 1200 to PC 1350 84° 48′ 39.9858″ Dist 372.4496′

HORIZONTAL & VERTICAL CONTROL

Curve Data

Curve 1350
P.I. Station 573+56.9193 N 2,108,085.5099 E 2,216,872.2984
Delta = 7° 53′ 39.4706″ (RT)
Degree = 1° 24′ 30.2264″
Tangent = 280.7026′
Length = 560.5168′
Radius = 4,068.1577′
External = 9.6727′
Long Chord = 560.0735′
Mid. Ord. = 9.6498′
P.C. Station 570+76.2167 N 2,108,060.1233 E 2,216,592.7461
P.T. Station 576+36.7335 N 2,108,072.2605 E 2,217,152.6881
C.C. N 2,104,008.6371 E 2,216,960.6684

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Ending chain EBUS20 description

Chain PEBUS20 contains:
70201 CUR 70210 CUR 70220 CUR 70230 CUR 70240 70202

Beginning chain PEBUS20 description
Description: Proposed US 20 Eastbound HYD
==========

Point 70201 N 2,112,439.0305 E 2,182,710.1298 Sta 213+28.4518

Course from 70201 to PC 70210 96° 41′ 04.5221″ Dist 1,033.9474′

Curve Data

Curve 70210
Description: Proposed US 20 Eastbound HYD
P.I. Station 230+49.6944 N 2,112,238.6717 E 2,184,419.6714
Delta = 32° 20′ 10.2766″ (RT)
Degree = 2° 25′ 00.9096″
Tangent = 687.2951′
Length = 1,337.9093′
Radius = 2,370.6120′
External = 97.6214′
Long Chord = 1,320.2237′
Mid. Ord. = 93.7603′
P.C. Station 223+62.3992 N 2,112,318.6753 E 2,183,737.0484
P.T. Station 237+00.3085 N 2,111,805.9492 E 2,184,953.6431
C.C. N 2,109,964.1788 E 2,183,461.1007

Course from PT 70210 to PC 70220 129° 01′ 14.7987″ Dist 748.4016′

Curve Data

Curve 70220
Description: Proposed US 20 Eastbound HYD
P.I. Station 247+10.1090 N 2,111,170.1766 E 2,185,738.1750
Delta = 24° 28′ 44.0778″ (RT)
Degree = 4° 45′ 17.4113″
Tangent = 261.3989′
Length = 514.8213′
Radius = 1,205.0000′
External = 28.0265′
Long Chord = 510.9147′
Mid. Ord. = 27.3895′
P.C. Station 244+48.7101 N 2,111,334.7539 E 2,185,535.0895
P.T. Station 249+63.5314 N 2,110,936.2423 E 2,185,854.8119
C.C. N 2,110,398.5681 E 2,184,776.4189

Course from PT 70220 to PC 70230 153° 29′ 58.8765″ Dist 398.1583′

Curve Data

Curve 70230
Description: Proposed US 20 Eastbound HYD
P.I. Station 264+65.3095 N 2,109,592.2532 E 2,186,524.9093
Delta = 97° 40′ 02.6553″ (LT)
Degree = 5° 56′ 14.5913″
Tangent = 1,103.6198′
Length = 1,644.9562′
Radius = 965.0000′
External = 501.0156′
Long Chord = 1,452.9083′
Mid. Ord. = 329.7919′
P.C. Station 253+61.6897 N 2,110,579.9177 E 2,186,032.4712
P.T. Station 270+06.6459 N 2,110,212.0651 E 2,187,438.0412
C.C. N 2,111,010.5033 E 2,186,896.0805

Course from PT 70230 to PC 70240 55° 49′ 56.2212″ Dist 268.0000′

Curve Data

Curve 70240
Description: Proposed US 20 Eastbound HYD
P.I. Station 274+79.1110 N 2,110,477.4097 E 2,187,828.9575
Delta = 19° 15′ 37.8593″ (RT)
Degree = 4° 45′ 17.4113″
Tangent = 204.4651′
Length = 405.0721′
Radius = 1,205.0000′
External = 17.2238′
Long Chord = 403.1675′
Mid. Ord. = 16.9811′
P.C. Station 272+74.6458 N 2,110,362.5785 E 2,187,659.7836
P.T. Station 276+79.7180 N 2,110,530.0092 E 2,188,026.5411
C.C. N 2,109,365.5649 E 2,188,336.5324

Course from PT 70240 to 70202 75° 05′ 34.0805″ Dist 850.1676′

Point 70202 N 2,110,748.7184 E 2,188,848.0952 Sta 285+29.8855

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Ending chain PEBUS20 description

Chain CROSSOVER contains:
70604 70605

Beginning chain CROSSOVER description
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Point 70604 N 2,111,213.0723 E 2,185,664.4549 Sta 0+00.0000

Course from 70604 to 70605 17° 29′ 48.3029″ Dist 196.6887′

Point 70605 N 2,111,400.6610 E 2,185,723.5898 Sta 1+96.6887

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Ending chain CROSSOVER description

Chain ACCESSRDA contains:
70602 70603

Beginning chain ACCESSRDA description
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Point 70602 N 2,110,491.9872 E 2,187,908.5161 Sta 0+00.0000

Course from 70602 to 70603 327° 29′ 09.4834″ Dist 149.2281′

Point 70603 N 2,110,617.8252 E 2,187,828.3051 Sta 1+49.2281

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Ending chain ACCESSRDA description

HORIZONTAL & VERTICAL CONTROL

Chain XOVER contains:
CUR 70280 CUR 70290

Beginning chain XOVER description
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Curve Data

Curve 70280
P.I. Station 0+89.5252 N 2,112,400.0979 E 2,183,092.3301
Delta = 6° 49′ 52.0388″ (LT)
Degree = 3° 49′ 10.9871″
Tangent = 89.5252′
Length = 178.8384′
Radius = 1,500.0000′
External = 2.6692′
Long Chord = 178.7324′
Mid. Ord. = 2.6645′
P.C. Station 0+00.0000 N 2,112,410.5187 E 2,183,003.4134
P.T. Station 1+78.8384 N 2,112,400.3272 E 2,183,181.8550
C.C. N 2,113,900.3223 E 2,183,178.0131

Course from PT 70280 to PC 70290 89° 51′ 10.9617″ Dist 395.6179′

Curve Data

Curve 70290
P.I. Station 6+93.9823 N 2,112,401.6485 E 2,183,696.9973
Delta = 9° 06′ 42.7205″ (RT)
Degree = 3° 49′ 10.9871″
Tangent = 119.5261′
Length = 238.5481′
Radius = 1,500.0000′
External = 4.7546′
Long Chord = 238.2968′
Mid. Ord. = 4.7396′
P.C. Station 5+74.4562 N 2,112,401.3419 E 2,183,577.4716
P.T. Station 8+13.0043 N 2,112,383.0228 E 2,183,815.0632
C.C. N 2,110,901.3469 E 2,183,581.3188

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Ending chain XOVER description

Chain PE258+90RT contains:
70600 CUR 70250 CUR 70260 CUR 70270 70601

Beginning chain PE258+90RT description
Description: Proposed US 20 Eastbound HYD
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Point 70600 N 2,110,193.3160 E 2,186,382.8264 Sta 0+00.0000

Course from 70600 to PC 70250 212° 07′ 54.7114″ Dist 29.3612′

Curve Data

Curve 70250
P.I. Station 0+47.6749 N 2,110,152.9436 E 2,186,357.4695
Delta = 33° 56′ 50.5254″ (RT)
Degree = 95° 29′ 34.6771″
Tangent = 18.3137′
Length = 35.5496′
Radius = 60.0000′
External = 2.7327′
Long Chord = 35.0319′
Mid. Ord. = 2.6137′
P.C. Station 0+29.3612 N 2,110,168.4522 E 2,186,367.2100
P.T. Station 0+64.9108 N 2,110,145.5179 E 2,186,340.7288
C.C. N 2,110,200.3643 E 2,186,316.4004

Course from PT 70250 to PC 70260 246° 04′ 45.3314″ Dist 41.5751′

Curve Data

Curve 70260
P.I. Station 1+23.4487 N 2,110,121.7824 E 2,186,287.2190
Delta = 31° 34′ 20.7838″ (LT)
Degree = 95° 29′ 34.6771″
Tangent = 16.9627′
Length = 33.0626′
Radius = 60.0000′
External = 2.3517′
Long Chord = 32.6459′
Mid. Ord. = 2.2630′
P.C. Station 1+06.4859 N 2,110,128.6603 E 2,186,302.7247
P.T. Station 1+39.5485 N 2,110,107.8042 E 2,186,277.6095
C.C. N 2,110,073.8139 E 2,186,327.0530

Course from PT 70260 to PC 70270 214° 30′ 24.5469″ Dist 11.2139′

Curve Data

Curve 70270
P.I. Station 1+60.3048 N 2,110,090.6997 E 2,186,265.8510
Delta = 18° 04′ 24.0017″ (LT)
Degree = 95° 29′ 34.6771″
Tangent = 9.5424′
Length = 18.9264′
Radius = 60.0000′
External = 0.7541′
Long Chord = 18.8480′
Mid. Ord. = 0.7447′
P.C. Station 1+50.7624 N 2,110,098.5633 E 2,186,271.2568
P.T. Station 1+69.6888 N 2,110,081.5471 E 2,186,263.1514
C.C. N 2,110,064.5730 E 2,186,320.7003

Course from PT 70270 to 70601 196° 26′ 00.5455″ Dist 28.8176′

Point 70601 N 2,110,053.9067 E 2,186,254.9988 Sta 1+98.5064

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Ending chain PE258+90RT description

HORIZONTAL & VERTICAL CONTROL

Chain WBUS20 contains:
A40 CUR 200 CUR 1230 CUR 1240 CUR 1250 CUR 1260 CUR 1270 CUR 1280 CUR 1290 CUR-1300 CUR 1310 CUR 1320 CUR 1330 CUR 1340 CUR A025340 CUR A025330 CUR A025320 C-UR A025310

Beginning chain WBUS20 description
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Point A40 N 2,116,788.7973 E 2,173,496.7679 Sta 110+45.2000

Course from A40 to PC 200 135° 50′ 49.1104″ Dist 95.1724′

Curve Data

Curve 200
P.I. Station 120+67.4657 N 2,116,055.3402 E 2,174,208.8549
Delta = 27° 12′ 12.5177″ (LT)
Degree = 1° 29′ 43.2048″
Tangent = 927.0933′
Length = 1,819.2233′
Radius = 3,831.6359′
External = 110.5635′
Long Chord = 1,802.1839′
Mid. Ord. = 107.4626′
P.C. Station 111+40.3724 N 2,116,720.5128 E 2,173,563.0628
P.T. Station 129+59.5957 N 2,115,758.9683 E 2,175,087.3000
C.C. N 2,119,389.5430 E 2,176,312.1920

Course from PT 200 to PC 1230 108° 38′ 36.5624″ Dist 3,053.0995′

Curve Data

Curve 1230
P.I. Station 179+82.7564 N 2,114,153.1712 E 2,179,846.8755
Delta = 15° 27′ 59.0511″ (RT)
Degree = 0° 23′ 41.7739″
Tangent = 1,970.0612′
Length = 3,916.1678′
Radius = 14,507.5674′
External = 133.1516′
Long Chord = 3,904.2886′
Mid. Ord. = 131.9406′
P.C. Station 160+12.6952 N 2,114,782.9577 E 2,177,980.1912
P.T. Station 199+28.8630 N 2,113,048.3965 E 2,181,478.0144
C.C. N 2,101,036.6598 E 2,173,342.4323

Course from PT 1230 to PC 1240 124° 06′ 35.6135″ Dist 201.2438′

Curve Data

Curve 1240
P.I. Station 206+57.0583 N 2,112,640.0376 E 2,182,080.9335
Delta = 25° 51′ 57.2363″ (LT)
Degree = 2° 29′ 48.6442″
Tangent = 526.9516′
Length = 1,035.9431′
Radius = 2,294.7266′
External = 59.7262′
Long Chord = 1,027.1685′
Mid. Ord. = 58.2111′
P.C. Station 201+30.1068 N 2,112,935.5426 E 2,181,644.6368
P.T. Station 211+66.0498 N 2,112,564.4787 E 2,182,602.4398
C.C. N 2,114,835.4925 E 2,182,931.4781

Course from PT 1240 to PC 1250 98° 14′ 38.3772″ Dist 1,239.8903′

Curve Data

Curve 1250
P.I. Station 230+39.7891 N 2,112,295.8053 E 2,184,456.8167
Delta = 30° 44′ 07.5783″ (RT)
Degree = 2° 29′ 03.7358″
Tangent = 633.8491′
Length = 1,237.1517′
Radius = 2,306.2489′
External = 85.5179′
Long Chord = 1,222.3714′
Mid. Ord. = 82.4602′
P.C. Station 224+05.9401 N 2,112,386.6922 E 2,183,829.5176
P.T. Station 236+43.0918 N 2,111,897.0880 E 2,184,949.5531
C.C. N 2,110,104.2751 E 2,183,498.8272

Course from PT 1250 to PC 1260 128° 58′ 45.9555″ Dist 320.0331′

Curve Data

Curve 1260
P.I. Station 249+66.7887 N 2,111,064.4279 E 2,185,978.5578
Delta = 47° 21′ 47.2526″ (LT)
Degree = 2° 30′ 13.4529″
Tangent = 1,003.6638′
Length = 1,891.6974′
Radius = 2,288.4106′
External = 210.4220′
Long Chord = 1,838.2944′
Mid. Ord. = 192.7027′
P.C. Station 239+63.1248 N 2,111,695.7740 E 2,185,198.3378
P.T. Station 258+54.8222 N 2,111,210.7636 E 2,186,971.4964
C.C. N 2,113,474.7198 E 2,186,637.8427

Course from PT 1260 to PC 1270 81° 36′ 58.7029″ Dist 861.0355′

Curve Data

Curve 1270
P.I. Station 289+22.5705 N 2,111,658.0458 E 2,190,006.4623
Delta = 17° 30′ 50.4266″ (RT)
Degree = 0° 23′ 59.8340″
Tangent = 2,206.7128′
Length = 4,379.0066′
Radius = 14,325.5962′
External = 168.9644′
Long Chord = 4,361.9779′
Mid. Ord. = 166.9948′
P.C. Station 267+15.8578 N 2,111,336.3038 E 2,187,823.3308
P.T. Station 310+94.8644 N 2,111,307.8836 E 2,192,185.2160
C.C. N 2,097,163.7928 E 2,189,912.0238

Course from PT 1270 to PC 1280 99° 07′ 49.1295″ Dist 1,464.1532′

Curve Data

Curve 1280
P.I. Station 332+66.7768 N 2,110,963.2435 E 2,194,329.6103
Delta = 34° 19′ 56.5796″ (LT)
Degree = 2° 30′ 02.5361″
Tangent = 707.7592′
Length = 1,372.9085′
Radius = 2,291.1855′
External = 106.8249′
Long Chord = 1,352.4608′
Mid. Ord. = 102.0662′
P.C. Station 325+59.0176 N 2,111,075.5511 E 2,193,630.8184
P.T. Station 339+31.9261 N 2,111,264.6159 E 2,194,969.9991
C.C. N 2,113,337.7073 E 2,193,994.3848

Course from PT 1280 to PC 1290 64° 47′ 52.5499″ Dist 332.4376′

Curve Data

Curve 1290
P.I. Station 351+78.1220 N 2,111,795.2610 E 2,196,097.5717
Delta = 43° 27′ 31.7552″ (RT)
Degree = 2° 29′ 56.4058″
Tangent = 913.7583′
Length = 1,739.0473′
Radius = 2,292.7468′
External = 175.3784′
Long Chord = 1,697.6581′
Mid. Ord. = 162.9165′
P.C. Station 342+64.3637 N 2,111,406.1718 E 2,195,270.7925
P.T. Station 360+03.4110 N 2,111,509.0027 E 2,196,965.3334
C.C. N 2,109,331.6677 E 2,196,247.0715

Course from PT 1290 to PC 1300 108° 15′ 24.3051″ Dist 292.2535′

Curve Data

Curve 1300
P.I. Station 368+05.2521 N 2,111,257.8054 E 2,197,726.8116
Delta = 18° 34′ 26.5247″ (LT)
Degree = 1° 50′ 18.9141″
Tangent = 509.5876′
Length = 1,010.2341′
Radius = 3,116.2938′
External = 41.3899′
Long Chord = 1,005.8162′
Mid. Ord. = 40.8474′
P.C. Station 362+95.6645 N 2,111,417.4468 E 2,197,242.8755
P.T. Station 373+05.8985 N 2,111,260.6273 E 2,198,236.3914
C.C. N 2,114,376.8732 E 2,198,219.1346

Course from PT 1300 to PC 1310 89° 40′ 57.7805″ Dist 6,218.9396′

Curve Data

Curve 1310
P.I. Station 444+09.7729 N 2,111,299.9657 E 2,205,340.1569
Delta = 42° 23′ 39.0258″ (RT)
Degree = 2° 30′ 39.3983″
Tangent = 884.9348′
Length = 1,688.3759′
Radius = 2,281.8422′
External = 165.5878′
Long Chord = 1,650.1241′
Mid. Ord. = 154.3845′
P.C. Station 435+24.8381 N 2,111,295.0653 E 2,204,455.2357
P.T. Station 452+13.2141 N 2,110,706.9468 E 2,205,996.9964
C.C. N 2,109,013.2581 E 2,204,467.8716

Course from PT 1310 to PC 1320 132° 04′ 36.8063″ Dist 406.1536′

Curve Data

Curve 1320
P.I. Station 458+58.4223 N 2,110,274.5751 E 2,206,475.8997
Delta = 13° 31′ 04.0249″ (LT)
Degree = 2° 50′ 25.9100″
Tangent = 239.0546′
Length = 475.8894′
Radius = 2,017.0802′
External = 14.1164′
Long Chord = 474.7865′
Mid. Ord. = 14.0183′
P.C. Station 456+19.3677 N 2,110,434.7721 E 2,206,298.4624
P.T. Station 460+95.2571 N 2,110,160.2914 E 2,206,685.8672
C.C. N 2,111,931.9422 E 2,207,650.1629

Course from PT 1320 to PC 1330 118° 33′ 32.7814″ Dist 1,402.7298′

HORIZONTAL & VERTICAL CONTROL

Curve Data

Curve 1330
P.I. Station 479+15.9261 N 2,109,289.8932 E 2,208,285.0053
Delta = 20° 48′ 34.0647″ (LT)
Degree = 2° 31′ 02.1502″
Tangent = 417.9392′
Length = 826.6699′
Radius = 2,276.1133′
External = 38.0528′
Long Chord = 822.1338′
Mid. Ord. = 37.4271′
P.C. Station 474+97.9869 N 2,109,489.6953 E 2,207,917.9190
P.T. Station 483+24.6567 N 2,109,233.5362 E 2,208,699.1274
C.C. N 2,111,488.8612 E 2,209,006.0493

Course from PT 1330 to PC 1340 97° 44′ 58.7167″ Dist 984.4706′

Curve Data

Curve 1340
P.I. Station 495+28.6435 N 2,109,071.1849 E 2,209,892.1178
Delta = 1° 58′ 37.8075″ (RT)
Degree = 0° 27′ 01.4099″
Tangent = 219.5162′
Length = 438.9888′
Radius = 12,721.3241′
External = 1.8938′
Long Chord = 438.9670′
Mid. Ord. = 1.8935′
P.C. Station 493+09.1273 N 2,109,100.7855 E 2,209,674.6065
P.T. Station 497+48.1161 N 2,109,034.0975 E 2,210,108.4783
C.C. N 2,096,495.6486 E 2,207,959.2026

Course from PT 1340 to PC A025340 99° 43′ 35.7571″ Dist 2,193.5873′

Curve Data

Curve A025340
P.I. Station 522+99.4444 N 2,108,603.0490 E 2,212,623.1300
Delta = 3° 16′ 43.0780″ (RT)
Degree = 0° 27′ 30.1184″
Tangent = 357.7410′
Length = 715.2867′
Radius = 12,500.0000′
External = 5.1181′
Long Chord = 715.1891′
Mid. Ord. = 5.1160′
P.C. Station 519+41.7034 N 2,108,663.4976 E 2,212,270.5331
P.T. Station 526+56.9901 N 2,108,522.5337 E 2,212,971.6926
C.C. N 2,096,343.2393 E 2,210,158.3692

Course from PT A025340 to PC A025330 103° 00′ 24.3061″ Dist 1,229.2001′

Curve Data

Curve A025330
P.I. Station 541+67.4710 N 2,108,182.5760 E 2,214,443.4200
Delta = 11° 01′ 23.8860″ (LT)
Degree = 1° 57′ 55.9796″
Tangent = 281.2808′
Length = 560.8253′
Radius = 2,915.0000′
External = 13.5396′
Long Chord = 559.9608′
Mid. Ord. = 13.4770′
P.C. Station 538+86.1902 N 2,108,245.8827 E 2,214,169.3558
P.T. Station 544+47.0155 N 2,108,172.8406 E 2,214,724.5323
C.C. N 2,111,086.0942 E 2,214,825.4228

Course from PT A025330 to PC A025320 91° 59′ 00.4201″ Dist 1,087.3834′

Curve Data

Curve A025320
P.I. Station 555+69.4287 N 2,108,133.9930 E 2,215,846.2730
Delta = 0° 43′ 19.0364″ (RT)
Degree = 1° 01′ 49.7987″
Tangent = 35.0298′
Length = 70.0587′
Radius = 5,560.0000′
External = 0.1103′
Long Chord = 70.0582′
Mid. Ord. = 0.1103′
P.C. Station 555+34.3989 N 2,108,135.2054 E 2,215,811.2642
P.T. Station 556+04.4576 N 2,108,132.3396 E 2,215,881.2638
C.C. N 2,102,578.5366 E 2,215,618.8280

Course from PT A025320 to PC A025310 92° 42′ 19.4565″ Dist 1,737.3773′

Curve Data

Curve A025310
P.I. Station 573+75.1224 N 2,108,048.7630 E 2,217,649.9550
Delta = 0° 40′ 09.1102″ (RT)
Degree = 1° 00′ 18.6808″
Tangent = 33.2875′
Length = 66.5743′
Radius = 5,700.0000′
External = 0.0972′
Long Chord = 66.5739′
Mid. Ord. = 0.0972′
P.C. Station 573+41.8348 N 2,108,050.3342 E 2,217,616.7046
P.T. Station 574+08.4091 N 2,108,046.8036 E 2,217,683.1848
C.C. N 2,102,356.6873 E 2,217,347.6608

==========
Ending chain WBUS20 description

HORIZONTAL & VERTICAL CONTROL

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
13	2110500.1833	2187873.1779	781.8118	EBUS20	274+96.7742	27.5107′ LT	GPS CONTROL POINT, GPS CONTROL POINT
14	2110656.5848	2188421.9643	783.2513	EBUS20	280+64.5093	20.5913′ LT	GPS CONTROL POINT, GPS CONTROL POINT
19	2111097.9876	2185799.0825	624.8694	EBUS20	247+96.2662	42.1983′ LT	GPS CONTROL POINT
56	2112469.5079	2182973.6663	640.5270	EBUS20	215+86.6491	60.9468′ LT	DISK, DISK
57	2111678.4830	2185128.3054	611.6302	EBUS20	239+15.7737	16.9408′ LT	PIN
59	2110396.0210	2186155.8672	671.9431	EBUS20	255+75.3176	17.0542′ RT	PIN
60	2110100.2291	2186562.1350	702.7879	EBUS20	260+73.8097	20.1844′ RT	PIN
61	2110052.4935	2187064.4077	732.5913	EBUS20	265+74.6854	16.8447′ RT	PIN
62	2110320.5860	2187621.0905	767.9516	EBUS20	271+91.1908	20.1836′ RT	PIN
63	2110541.9072	2187968.4146	781.2841	EBUS20	275+99.1049	32.6521′ LT	IDOT, DISK
64	2110704.6043	2188610.6673	787.5999	EBUS20	282+59.2145	18.45′ LT	NAIL
65	2110919.4588	2189409.8825	808.7257	EBUS20	290+86.8034	20.4718′ LT	NAIL
66	2111010.7193	2189957.1488	820.8988	EBUS20	296+39.1279	32.1258′ RT	PIN
67	2111505.1947	2189619.4574	791.0858	EBUS20	294+40.0078	532.58′ LT	NAIL
9504	2112276.3394	2184339.4323	612.5569	EBUS20	229+46.4458	102.7568′ LT	GPS CONTROL POINT
9508	2109725.1468	2190400.0918	806.4100	EBUS20	N/A	N/A	GPS CONTROL POINT
65722982	2126341.4455	2174820.8697	849.6690	EBUS20	N/A	N/A	DISTRICT NETWORK MONUMENT JOD35-1A
65722985	2108441.2165	2213068.1090	845.6193	EBUS20	535+06.3900	85.0390′ LT	DISTRICT NETWORK MONUMENT JOD20-1A

BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
471	2112406.9275	2182352.7941	645.8291	EBUS20	209+90.6367	99.37′ RT	R.O.W. MARKER

REFERENCE TIES

POINT	CHAIN	STATION	OFFSET	DESCRIPTION
555	EBUS20	215+85.4491	12.1153′ LT	SHINER, SHINER
556	EBUS20	212+89.2601	9.5071′ RT	PAVEMENT STATION NUMBER
557	EBUS20	213+37.6661	119.178′ LT	PAVEMENT STATION NUMBER, PAVEMENT STATION NUMBER
558	EBUS20	215+87.5375	86.3651′ LT	SHINER, SHINER
559	EBUS20	275+43.9248	66.3985′ LT	MAILBOX, MAILBOX
560	EBUS20	275+34.9256	78.7143′ LT	MAILBOX, MAILBOX
561	EBUS20	275+22.4439	107.3929′ LT	TELEPHONE SPLICE BOX

CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
PEBUS20	70210	70210	70211	70212	70213
PEBUS20	70220	70220	70221	70222	70223
PEBUS20	70230	70230	70231	70232	70233
PEBUS20	70240	70240	70241	70242	70243

CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
EBUS20	210	210	211	212	213
EBUS20	220	220	221	222	223
EBUS20	230	230	231	232	233
EBUS20	240	240	241	242	243
EBUS20	250	250	251	252	253
EBUS20	260A	260A	261	262	263
EBUS20	260B	260B	261	262	263
EBUS20	270	270	271	272	273
EBUS20	280	280	281	282	283
EBUS20	290	290	291	292	293
EBUS20	300	300	301	302	303
EBUS20	310	310	311	312	313
EBUS20	1210	1210	1211	1212	1213
EBUS20	1220	1220	1221	1222	1223
EBUS20	320	320	321	322	323
EBUS20	330	330	331	332	333
EBUS20	340	340	341	342	343
EBUS20	350	350	351	352	353
EBUS20	360	360	361	362	363
EBUS20	370	370	371	372	373
EBUS20	380	380	381	382	383
EBUS20	390	390	391	392	393
EBUS20	1200	1200	1201	1202	1203
EBUS20	1350	1350	1351	1352	1353

CURVE POINT NUMBERS

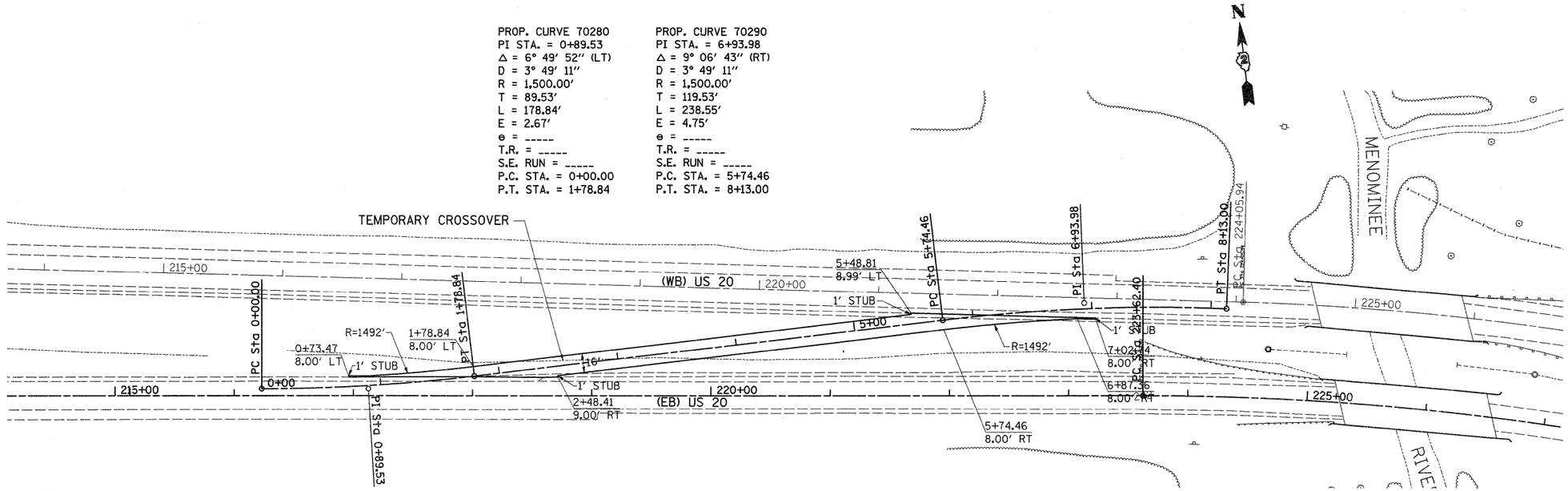
CHAIN	CURVE	PI	CC	PC	PT
XOVER	70280	70280	70281	70282	70283
XOVER	70290	70290	70291	70292	70293

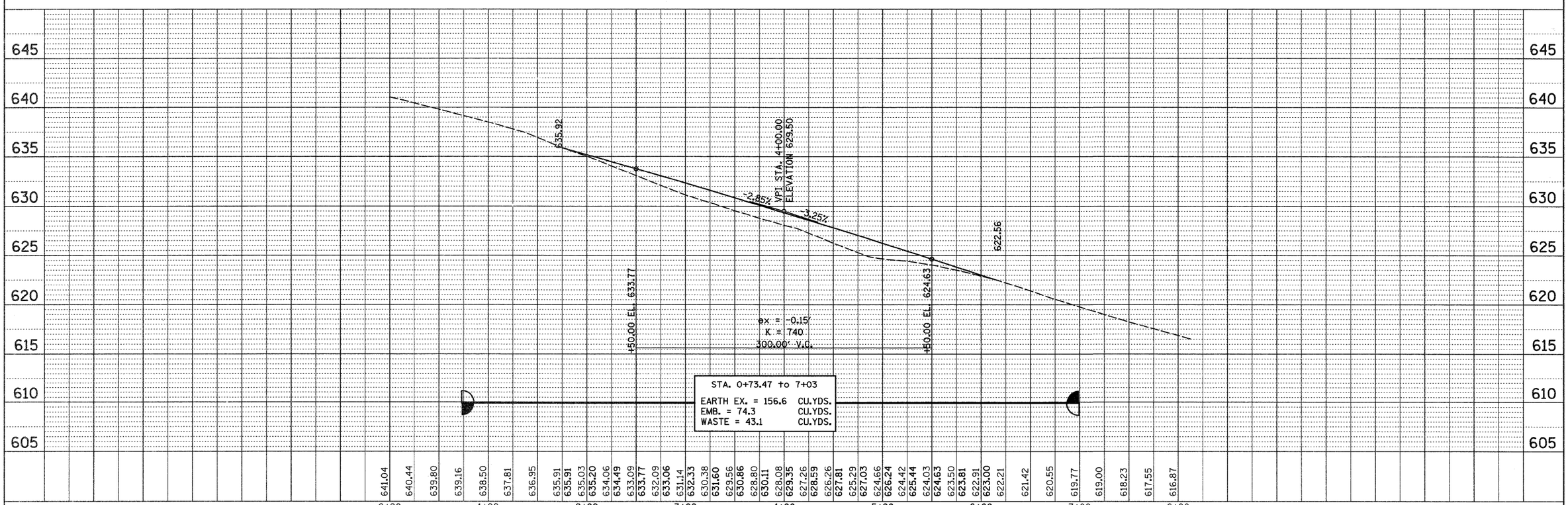
CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
PE258+90RT	70250	70250	70251	70252	70253
PE258+90RT	70260	70260	70261	70262	70263
PE258+90RT	70270	70270	70271	70272	70273

PROP. CURVE 70280
PI STA. = 0+89.53
Δ = 6° 49′ 52″ (LT)
D = 3° 49′ 11″
R = 1,500.00′
T = 89.53′
L = 178.84′
E = 2.67′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 0+00.00
P.T. STA. = 1+78.84

PROP. CURVE 70290
PI STA. = 6+93.98
Δ = 9° 06′ 43″ (RT)
D = 3° 49′ 11″
R = 1,500.00′
T = 119.53′
L = 238.55′
E = 4.75′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 5+74.46
P.T. STA. = 8+13.00





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY X-OVER

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	31

CONTRACT NO. 64D92

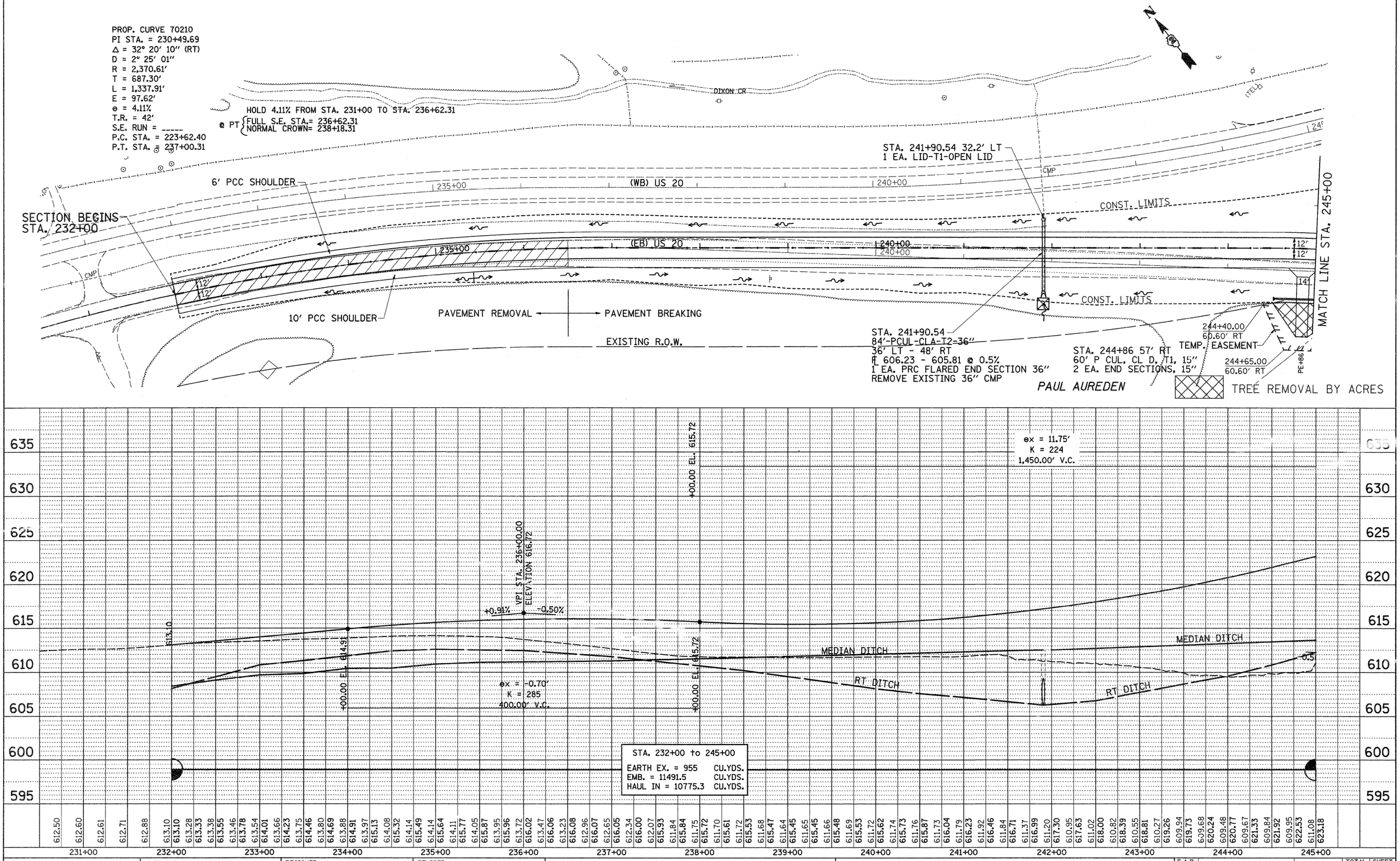
ILLINOIS FED. AID PROJECT

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT.-OF-WAY PROFILED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PR FILE: SURVEYED / PLOTTED / GRADES CHECKED / RT.-OF-WAY PROFILED / STRUCTURE NOTATNS CHKD / NOTE BOOK NO. / BY / DATE

PROP. CURVE 70210
PI STA. = 230+49.69
Δ = 32° 20′ 10″ (RT)
D = 2° 25′ 01″
R = 2,370.61′
T = 687.30′
L = 1,337.91′
E = 97.62′
e = 4.11%
T.R. = 42′
S.E. RUN = _____
P.C. STA. = 223+62.40
P.T. STA. = 237+00.31

HOLD 4.11% FROM STA. 231+00 TO STA. 236+62.31
@ PT { FULL S.E. STA.= 236+62.31
NORMAL CROWN= 238+18.31



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 EASTBOUND

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

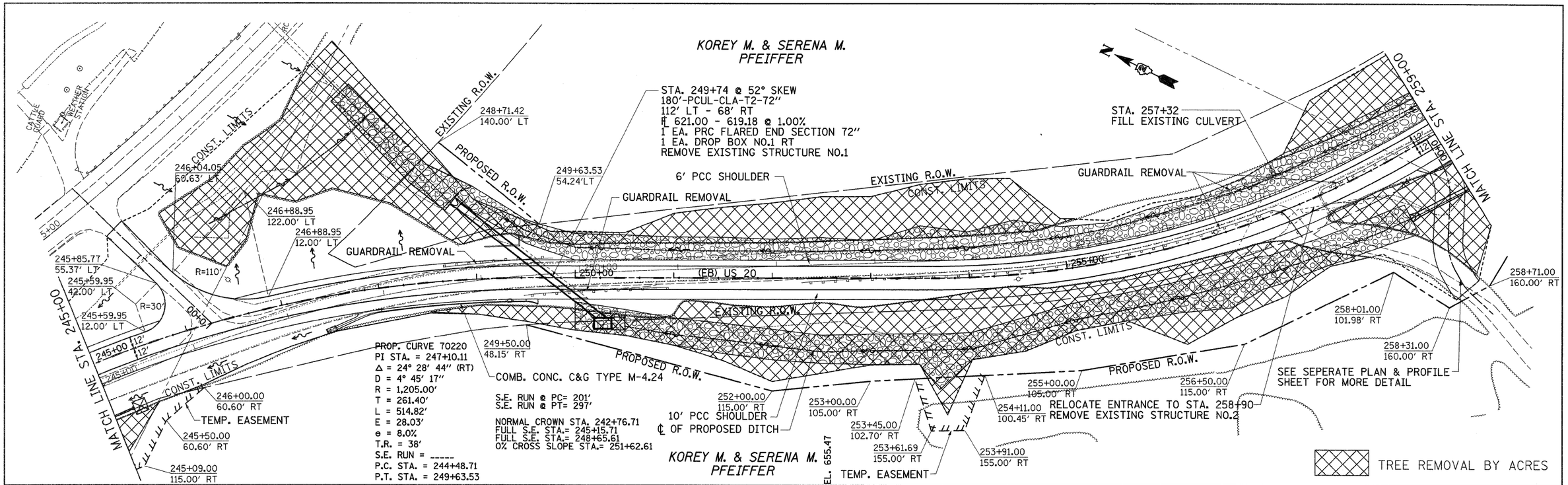
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	32

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT

PLAN | NOTE BOOK NO. | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RIGHT OF WAY MONUMENTS SET | CADD FILE NAME | BY | DATE

PRC | L.E. | SURVEYED | PLOTTED | GRADES CHECKED | R.O.W. MONUMENTS | STRUCTURE NO(S)/FN'NS CHKD | NOTE BOOK NO. | BY | DATE



Flood	Frequency Year	EX Discharge cfs	PR Discharge cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	111	90	624.14	635.73
Design	50	155	125	624.64	635.97
Base	100	181	145	624.87	636.10
Max Calc	500	251	202	625.56	636.44

EX Drainage Area = 74.0 acres
PR Drainage Area = 56.0 acres
Existing Low Grade Elevation: 632.00 ft. @ 249+50
Proposed Low Grade Elevation: 638.50 ft. @ 249+50

10-Year Velocity through Existing Culvert = 16.2 fps
10-Year Velocity through Proposed Culvert = 9.6 fps

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 EASTBOUND

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	33

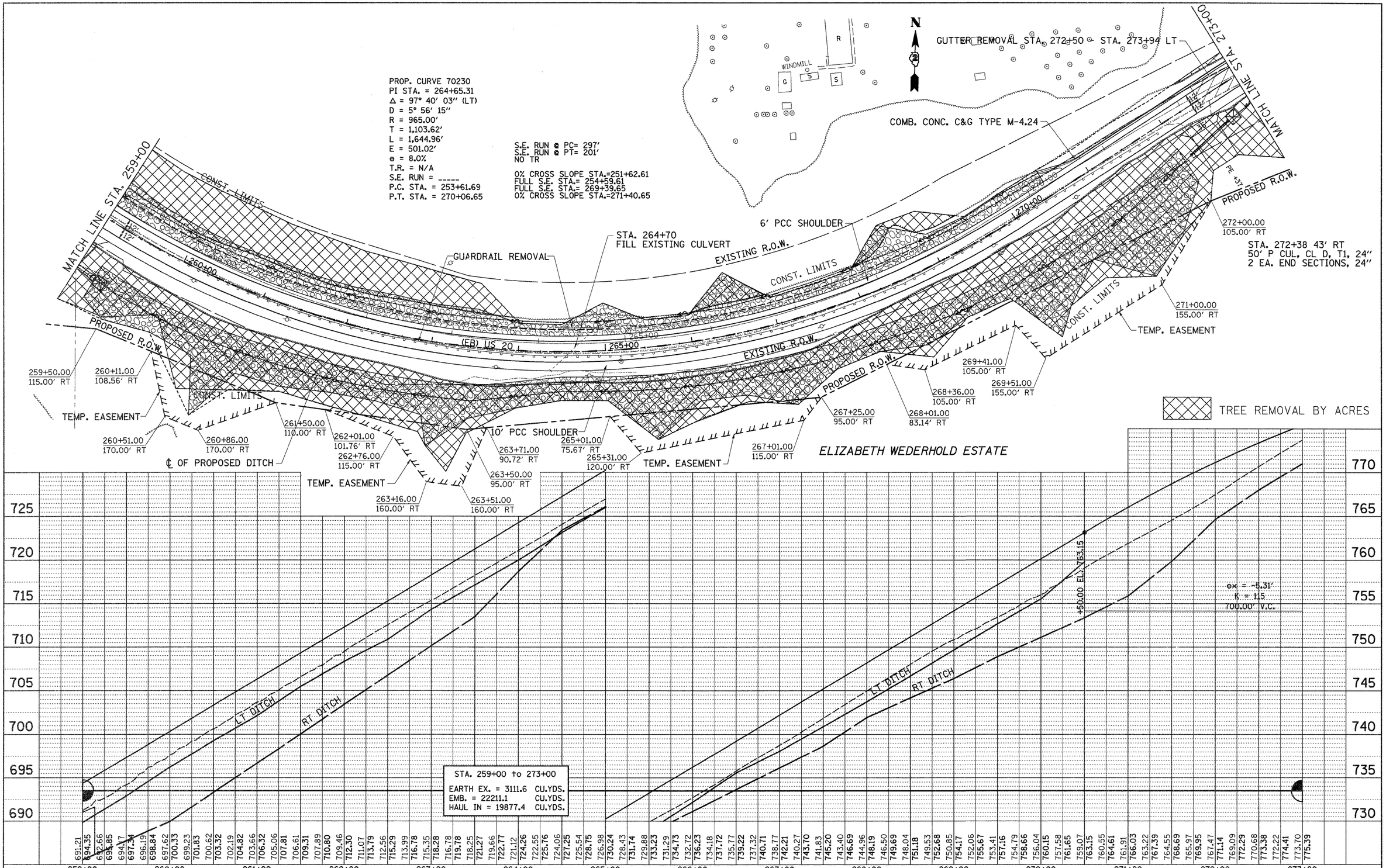
CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT

PROP. CURVE 70230
PI STA. = 264+65.31
Δ = 97° 40′ 03″ (LT)
D = 5° 56′ 15″
R = 965.00′
T = 1,103.62′
L = 1,644.96′
E = 501.02′
e = 8.0%
T.R. = N/A
S.E. RUN = -----
P.C. STA. = 253+61.69
P.T. STA. = 270+06.65

S.E. RUN @ PC= 297′
S.E. RUN @ PT= 201′
NO TR

0% CROSS SLOPE STA.=251+62.61
FULL S.E. STA.= 254+59.61
FULL S.E. STA.= 269+39.65
0% CROSS SLOPE STA.=271+40.65



STA. 259+00 to 273+00

EARTH EX. = 3111.6 CU.YDS.
EMB. = 22211.1 CU.YDS.
HAUL IN = 19877.4 CU.YDS.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 EASTBOUND

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	34
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RELOCATIONS CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

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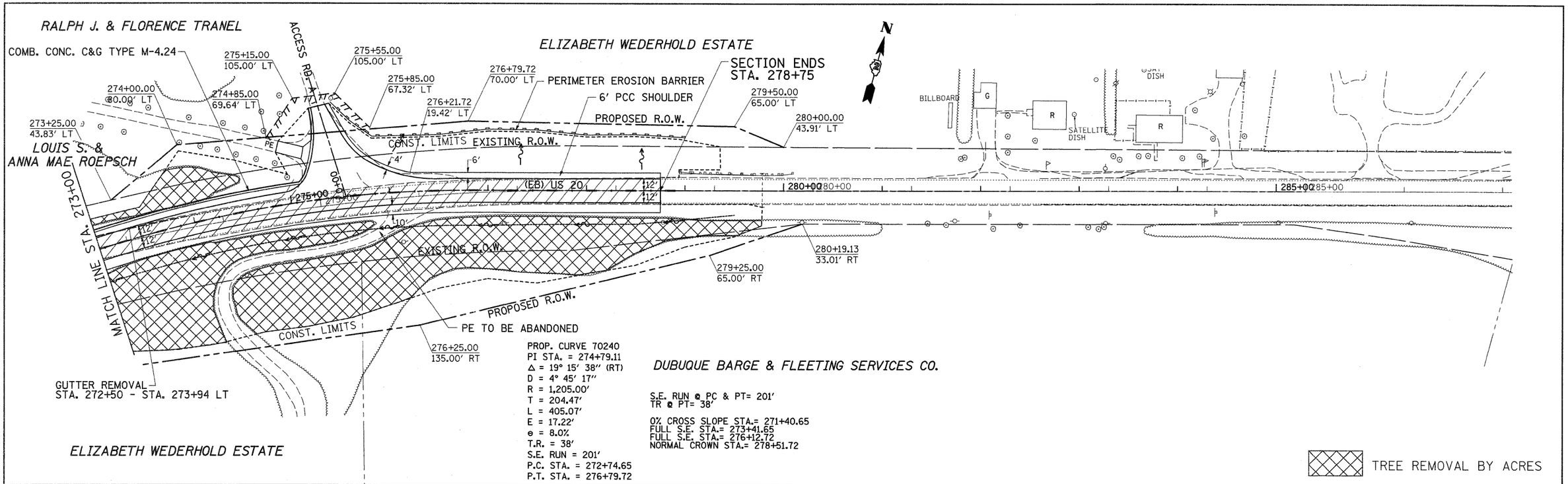
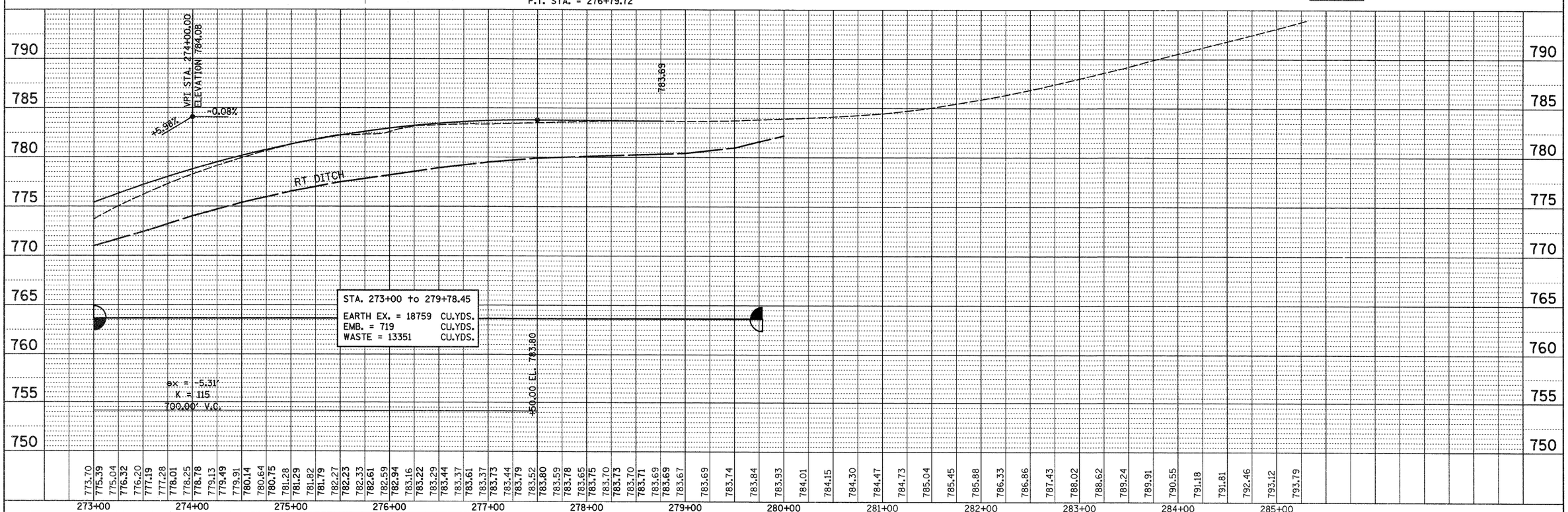


PROP. CURVE 70240
PI STA. = 274+79.11
Δ = 19° 15' 38" (RT)
D = 4° 45' 17"
R = 1,205.00'
T = 204.47'
L = 405.07'
E = 17.22'
e = 8.0%
T.R. = 38'
S.E. RUN = 201'
P.C. STA. = 272+74.65
P.T. STA. = 276+79.72

S.E. RUN @ PC & PT= 201'
TR @ PT= 38'

0% CROSS SLOPE STA.= 271+40.65
FULL S.E. STA.= 273+41.65
FULL S.E. STA.= 276+12.72
NORMAL CROWN STA.= 278+51.72



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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 20 EASTBOUND

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	35

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT

PLAN — NOTE BOOK NO. ____ — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — BY — DATE

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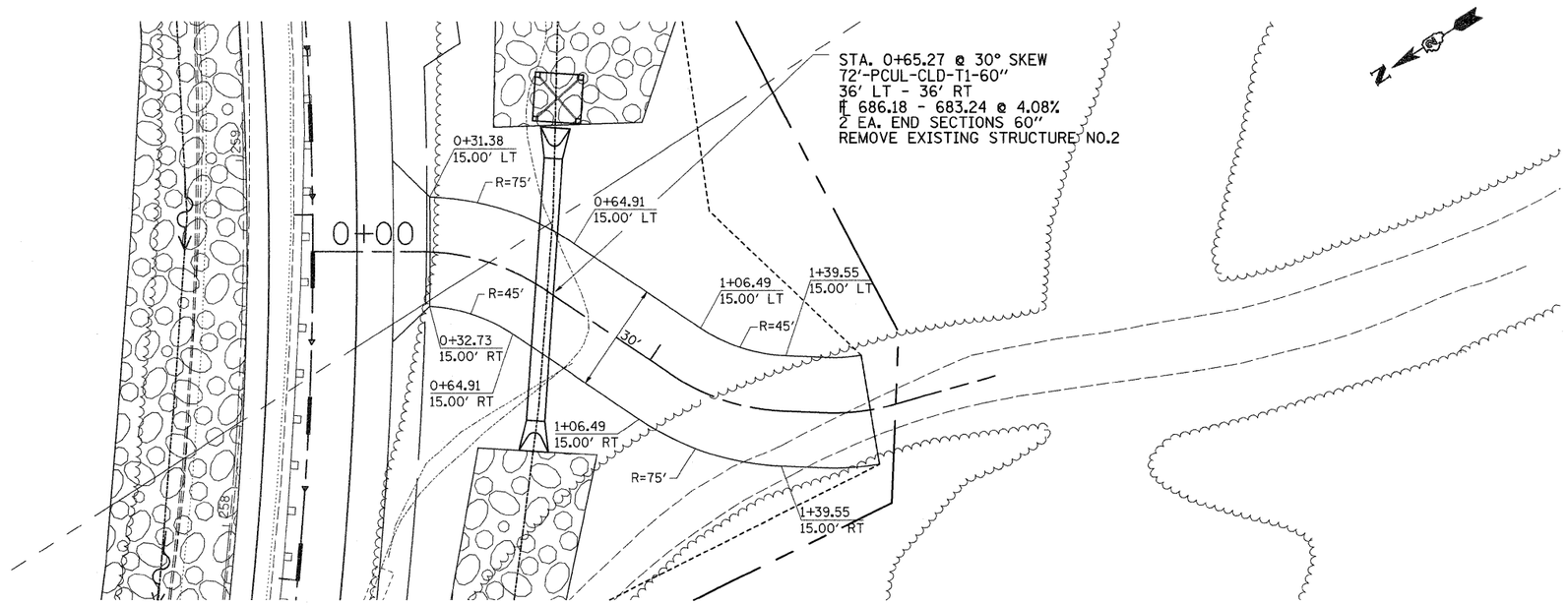

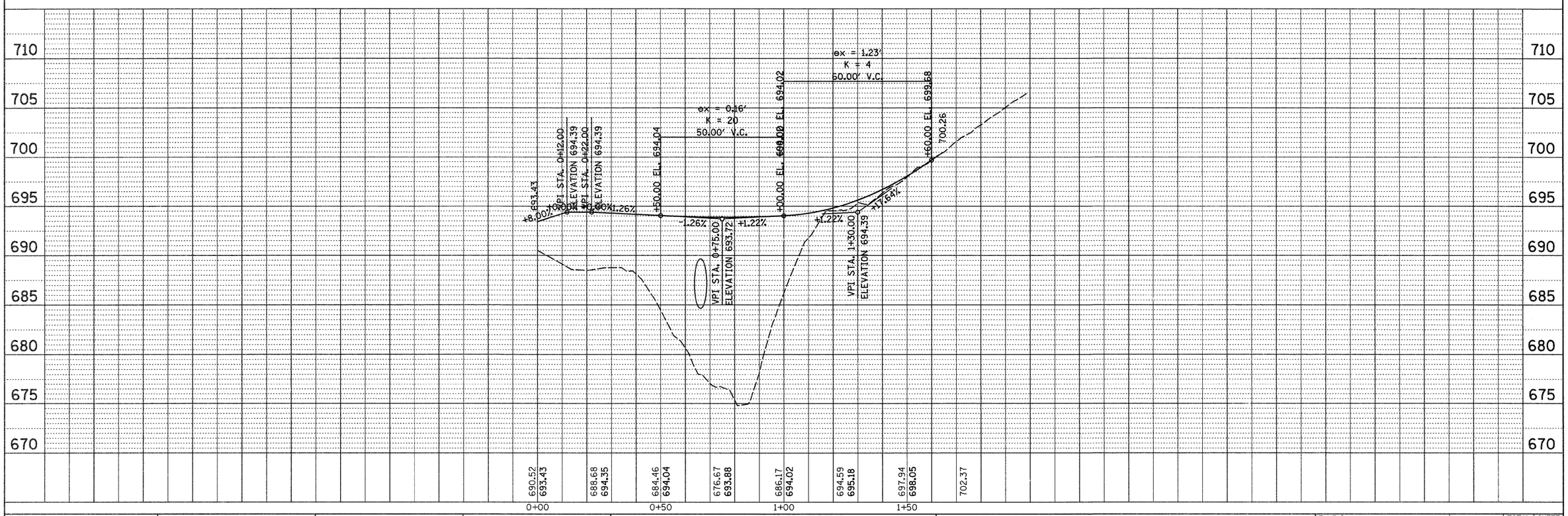

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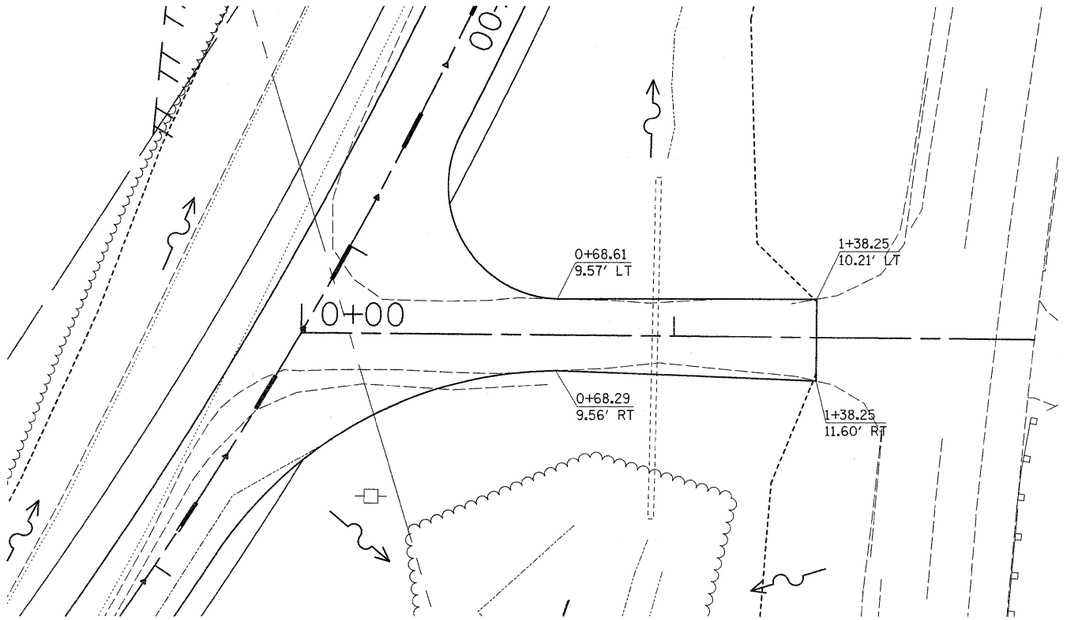
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	36
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		

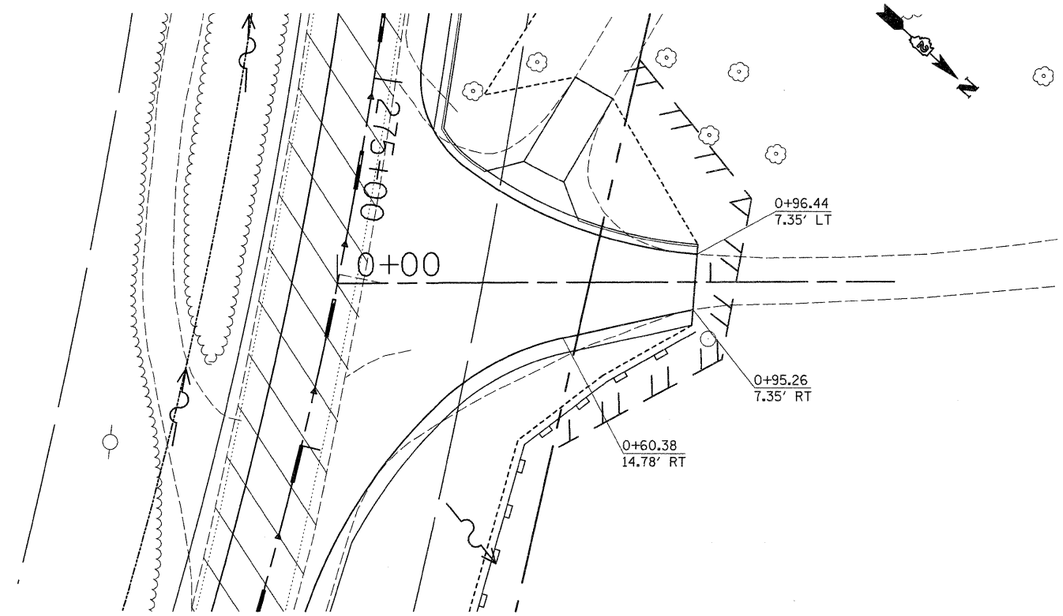
PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

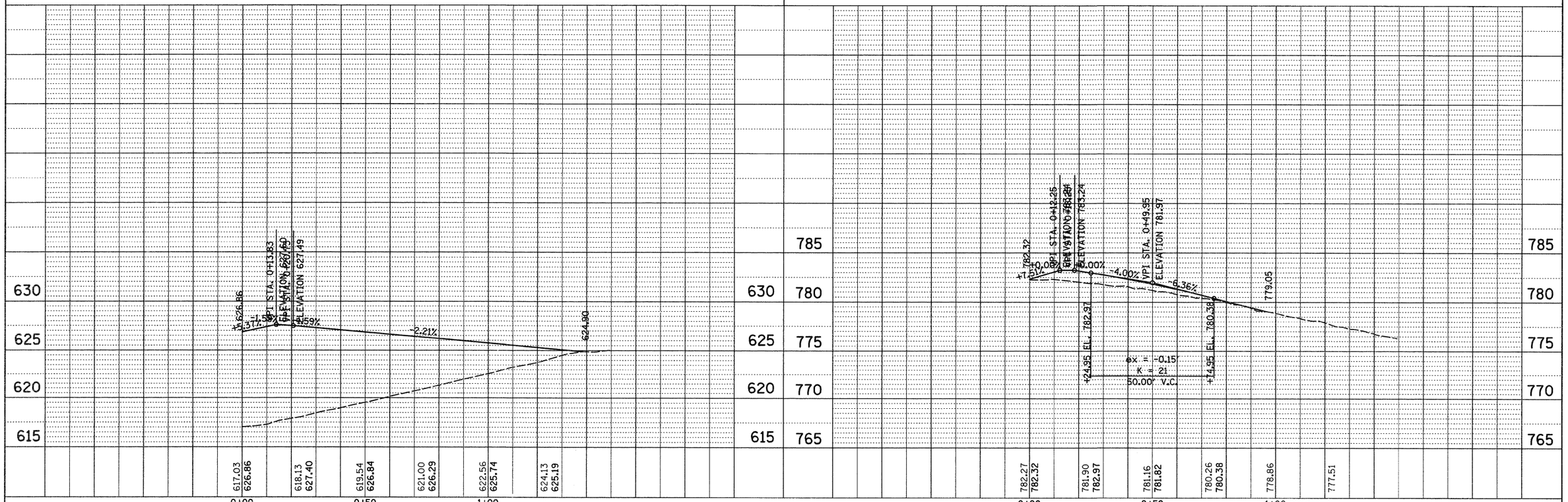
PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CHKD — NOTE BOOK NO. — BY — DATE

CROSSOVER



ACCESS ROAD A





PLAN		BY	DATE
	SURVEYED		
	PLOTTED		
	ALIGNMENT CHECKED		
NOTE BOOK	RT. OF WAY CHECKED		
NO.	BKGD FILE NAME		

PROF" E		BY	DATE
	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
NOTE BOOK	B.M. NOTED		
NO.	STRUCTURE NOTATNS CHKD		

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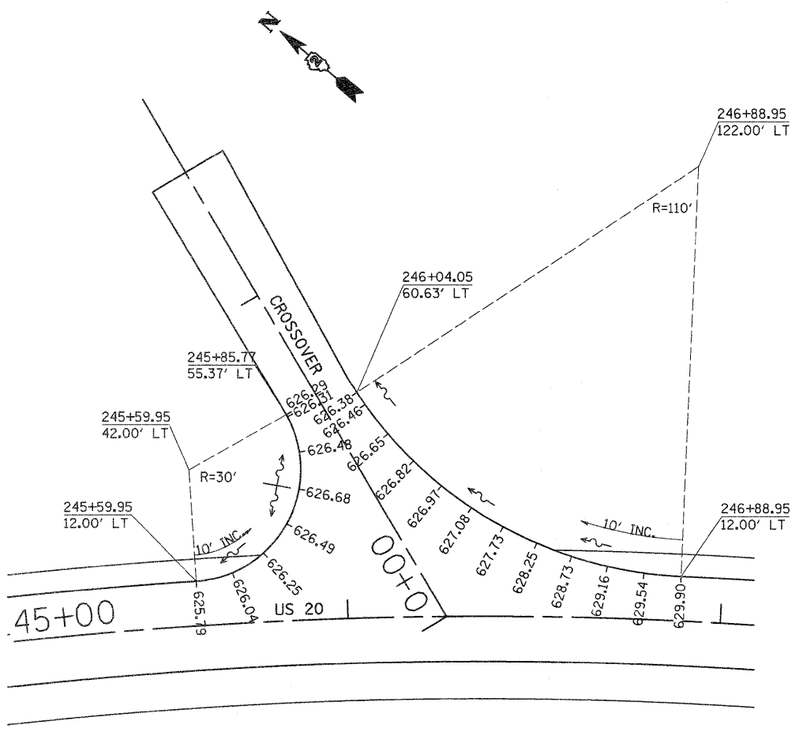
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

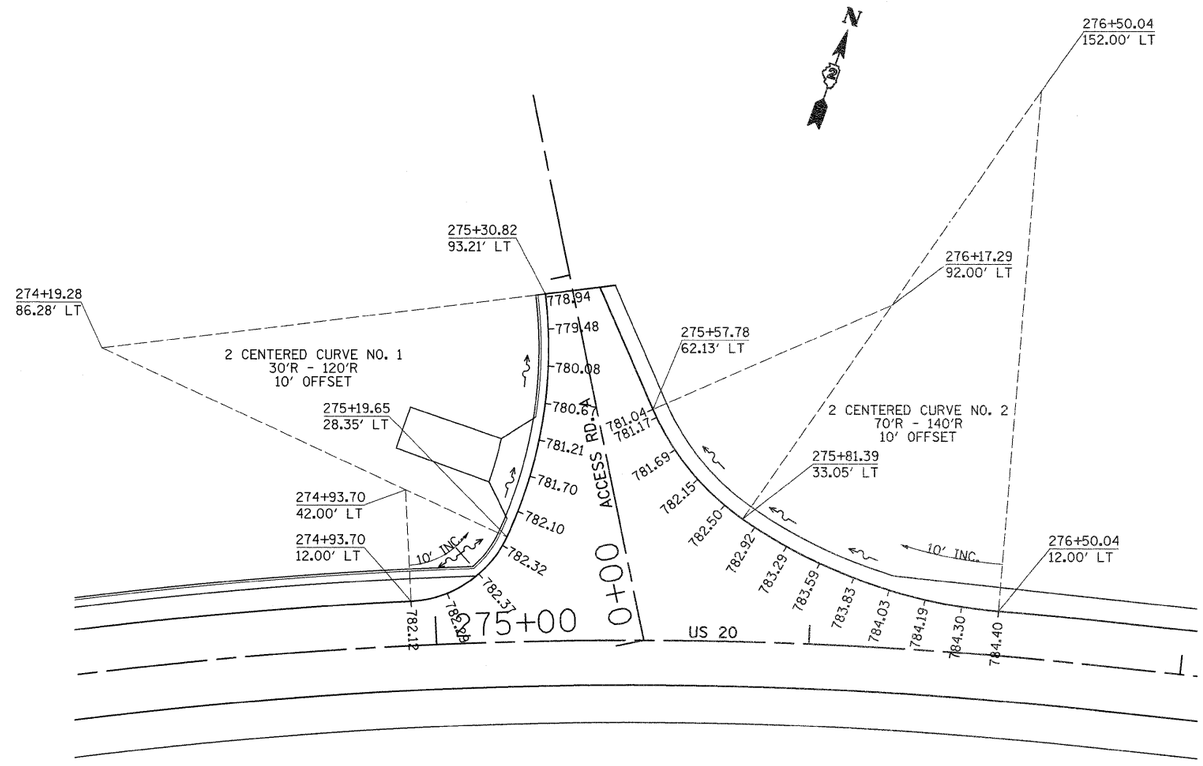
CROSSOVER /ACCESS RD. A

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	37
		CONTRACT NO. 64D92		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAVEMENT ELEVATIONS





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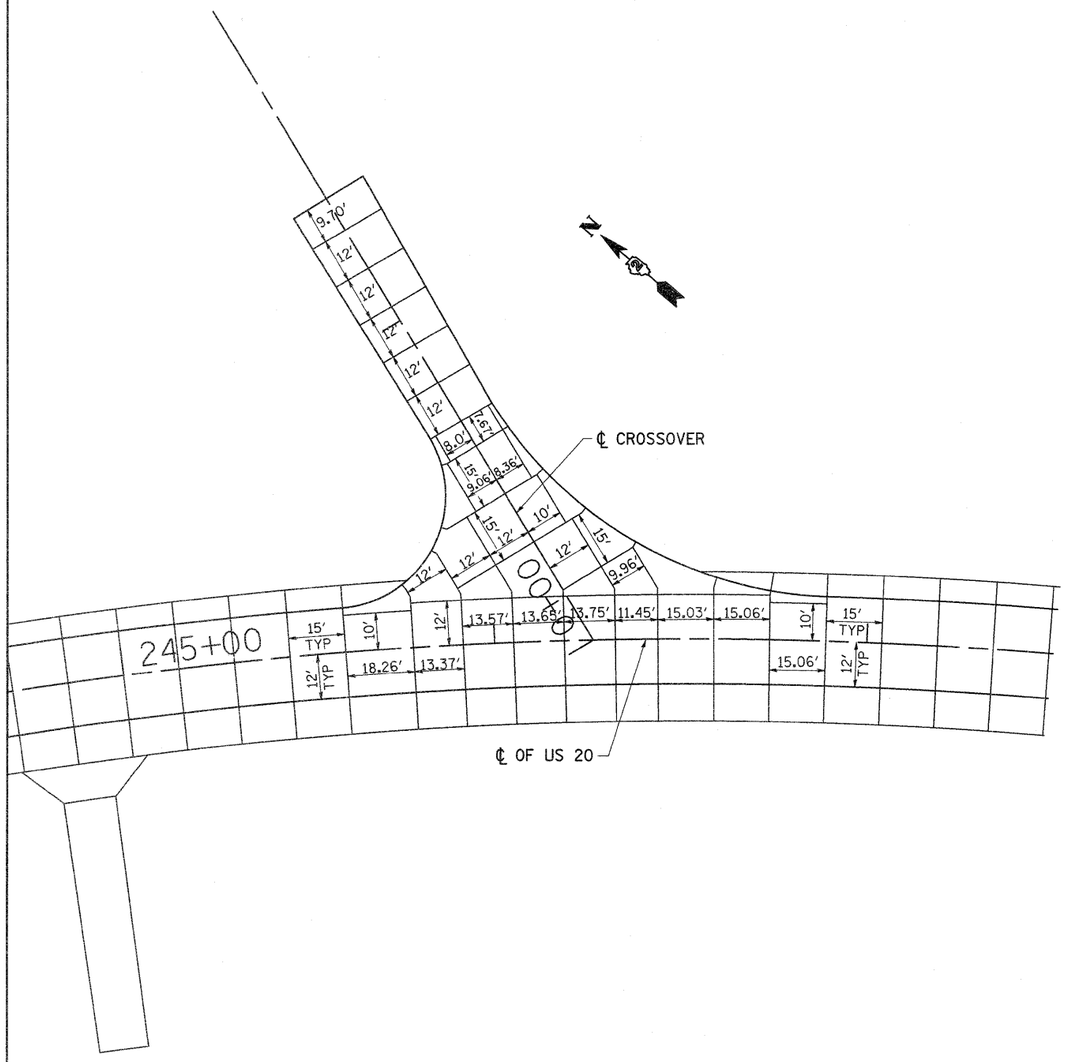
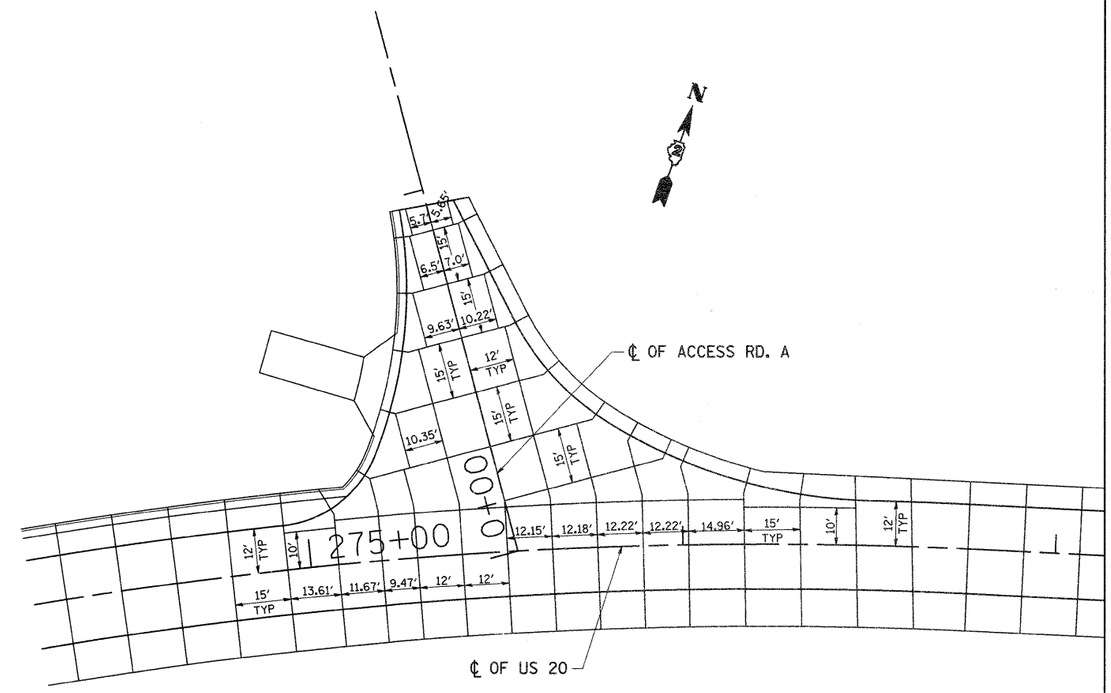
		DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

PAVEMENT JOINTS





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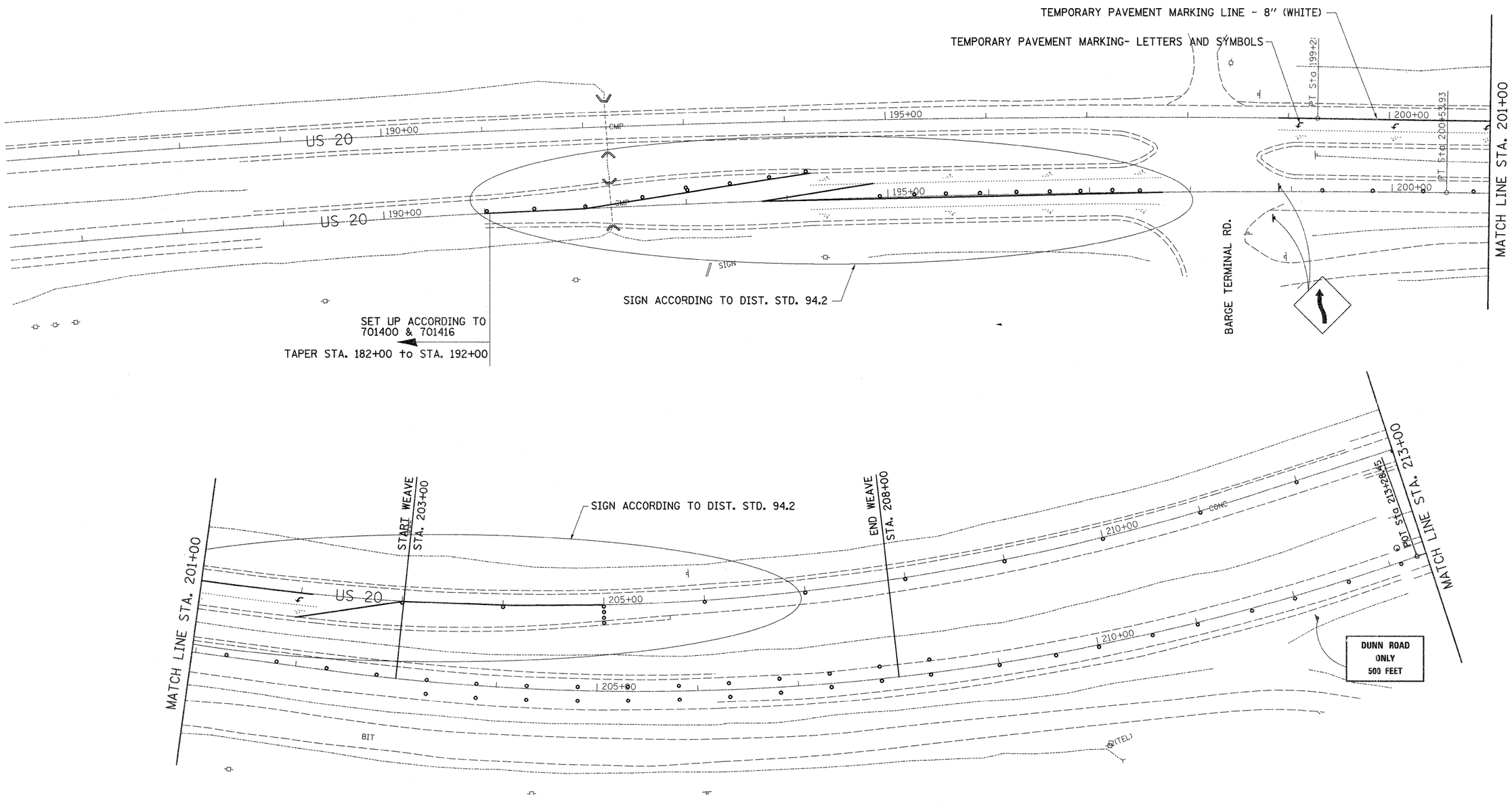
		DRAWN -	REVISED -			301	31T	JO DAVIESS	160	39
	PLOT SCALE = 20.0000 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 64D92		
	PLOT DATE = Wed Dec 09 11:34:08 2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

BARGE TERMINAL RD. INTERSECTION



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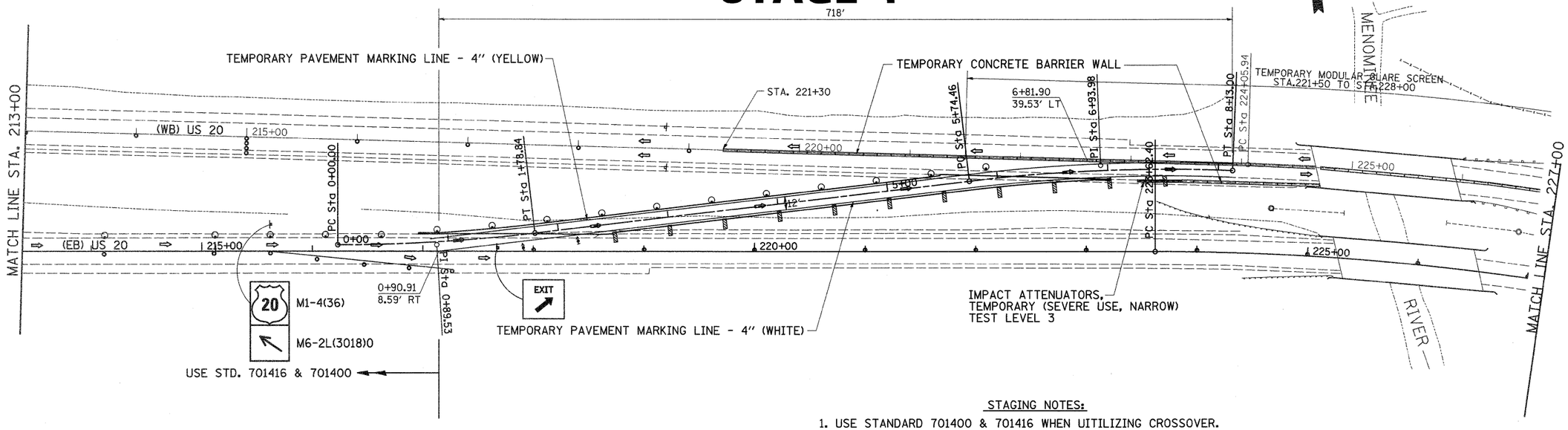
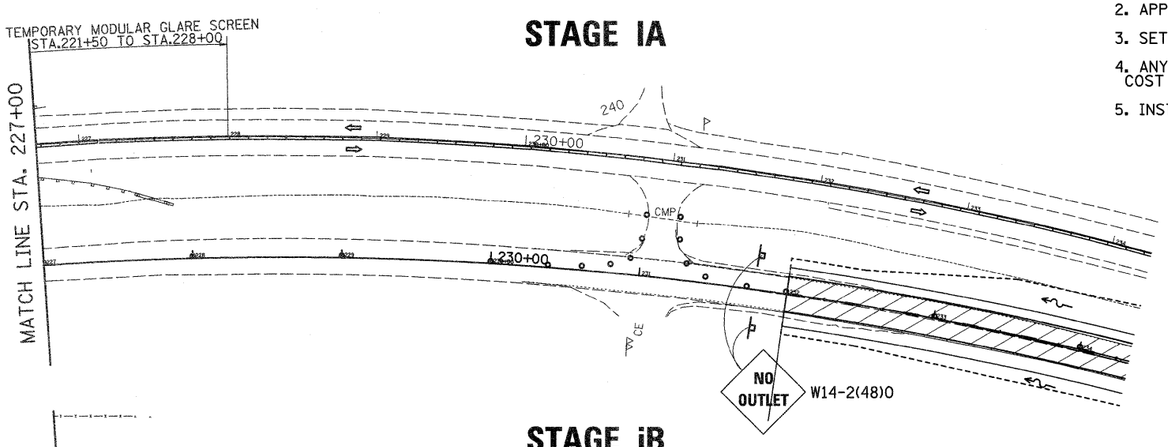
	PLOT DATE = Wed Dec 09 11:48:16 2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

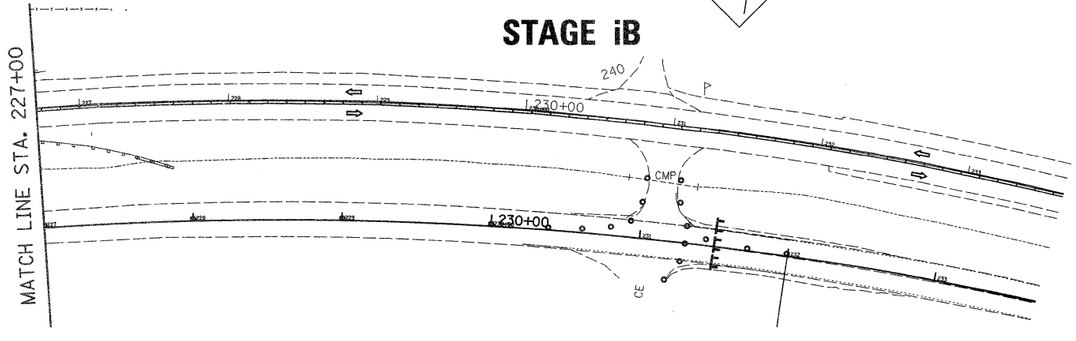
TEMPORARY WEST CROSSOVER
STAGE I



STAGE IA



STAGE iB

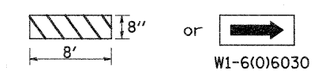


STAGING NOTES:

1. USE STANDARD 701400 & 701416 WHEN UITILIZING CROSSOVER.
2. APPLY TEMPORARY PAVEMENT MARKING LINE 4"
3. SETUP TEMPORARY CONCRETE BARRIER WALL @ ℄ OF WESTBOUND LANES INCLUDING ALL TAPERS.
4. ANY CONFLICTING INLAID PAVEMENT MARKING SHALL BE COVERED WITH BLACKOUT TAPE, COST WILL BE INCLUDED IN TRAFFIC CONTROL STANDARD 701416.
5. INSTALL TEMPORARY LIGHTING SYSTEM

USE AT ALL ENTRANCES

DETAIL B



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

SYMBOLS

- Arrow board
- Work area
- Sign
- Direction indicator barricade with steady burn monodirectional light
- Type II barricade with steady burn monodirectional light
- Drum with steady burn monodirectional light
- Vertical Panel (back to back)
- Type III barricade with flashing lights
- Temporary concrete barrier
- Bidirectional barrier marker

FILE NAME = c:\pw_work\pwidot\cushmanbw\d0117386\D202808-staging.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY WEST CROSSOVER STAGE I	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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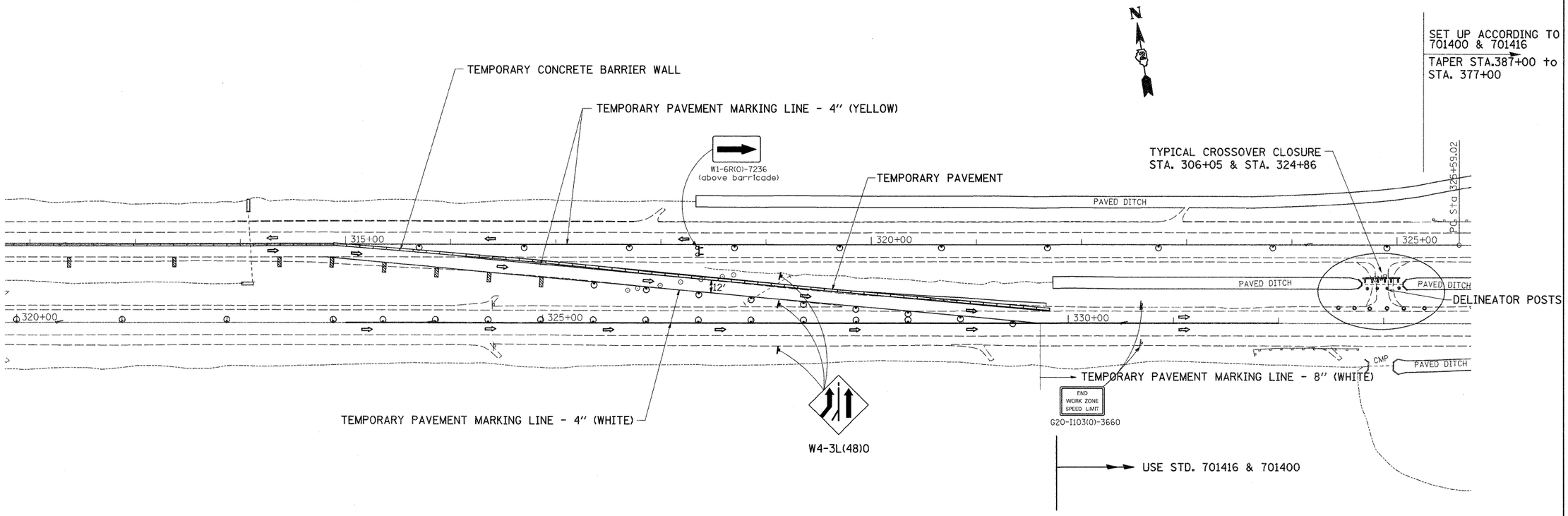
	PLOT DATE = Wed Dec 09 11:48:11 2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 64D92		
							ILLINOIS FED. AID PROJECT			

EXISTING EAST CROSSOVER
STAGE I



STAGING NOTES:

1. USE STANDARD 701400 & 701416 WHEN UITILIZING CROSSOVER.
2. CONSTRUCT ADDITIONAL 3' OF TEMPORARY PAVEMENT ALONG THE NORTH SIDE OF CROSSOVER FOR THE BARRIER WALL TO SIT ON.
2. PRIOR TO APPLYING TEMPORARY PAVEMENT MARKING THE EXISTING CROSSOVER MUST BE CLEANED OF ANY DEBRIS AND EXISTING MEDIAN CROSS OVER CLOSURE TO BE REMOVED. (THIS IS INCLUDED IN THE COST OF TRAFFIC CONTROL STD. 701416.)
2. APPLY TEMPORARY PAVEMENT MARKING LINE 4"
3. SETUP TEMPORARY CONCRETE BARRIER WALL @ ℄ OF WESTBOUND LANES INCLUDING ALL TAPERS.
4. ANY CONFLICTING INLAID PAVEMENT MARKING SHALL BE COVERED WITH BLACKOUT TAPE, COST WILL BE INCLUDED IN TRAFFIC CONTROL STANDARD 701416.
5. INSTALL TEMPORARY LIGHTING SYSTEM.
6. ONCE PROJECT IS COMPLETE INSTALL DISTRICT STD. TYPICAL MEDIAN CROSSOVER CLOSURE (98.4)

SYMBOLS

- Arrow board
- Work area
- Sign
- Direction indicator barricade with steady burn monodirectional light
- Type II barricade with steady burn monodirectional light
- Drum with steady burn monodirectional light
- Vertical Panel (back to back)
- Type III barricade with flashing lights
- Temporary concrete barrier
- Bidirectional barrier marker

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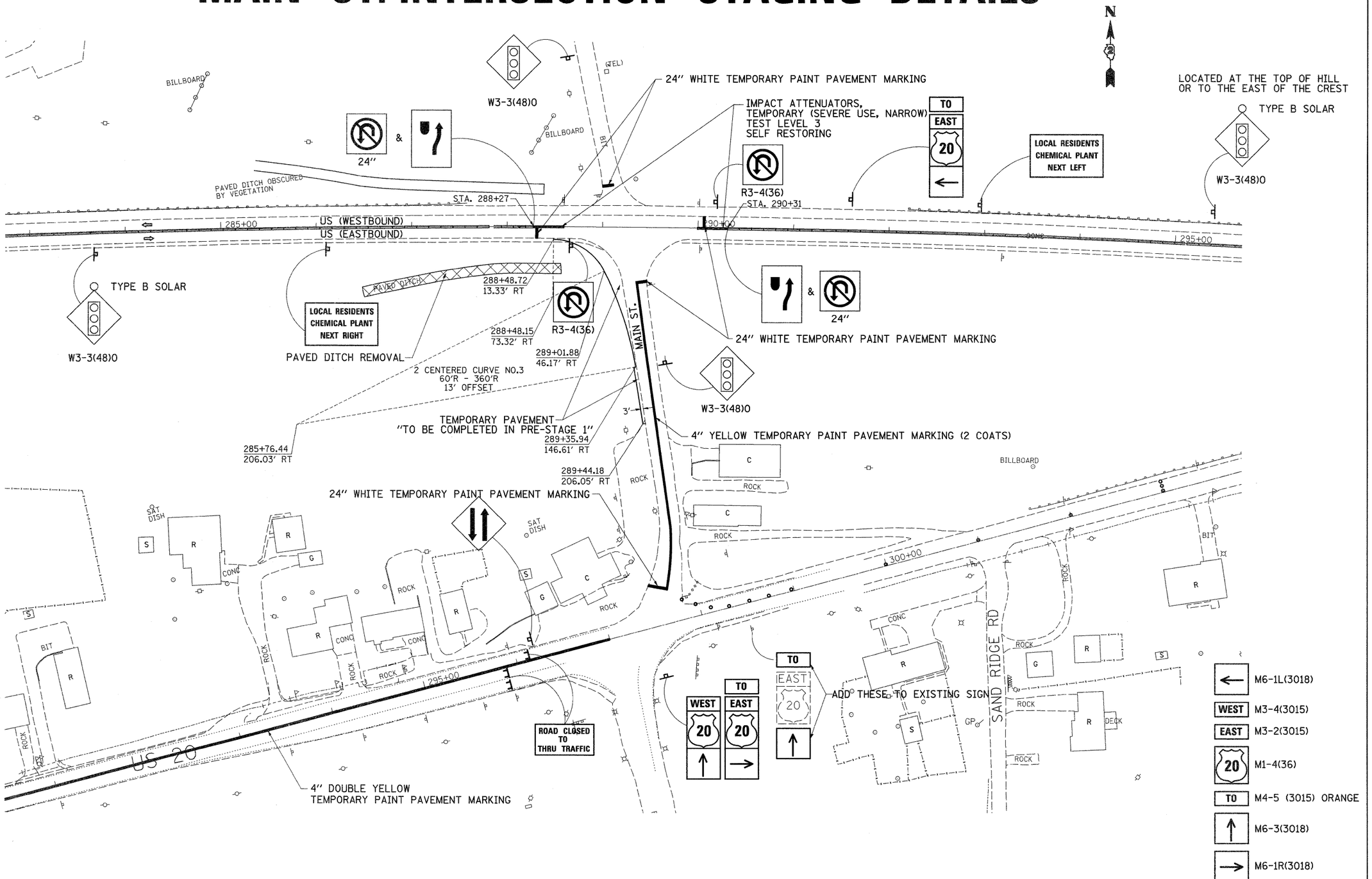
MAIN ST. INTERSECTION STAGING DETAILS



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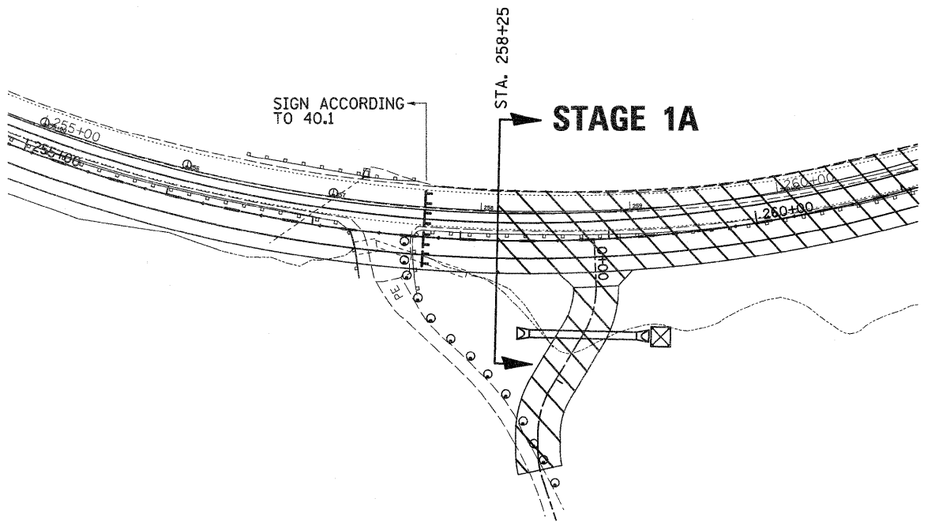
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

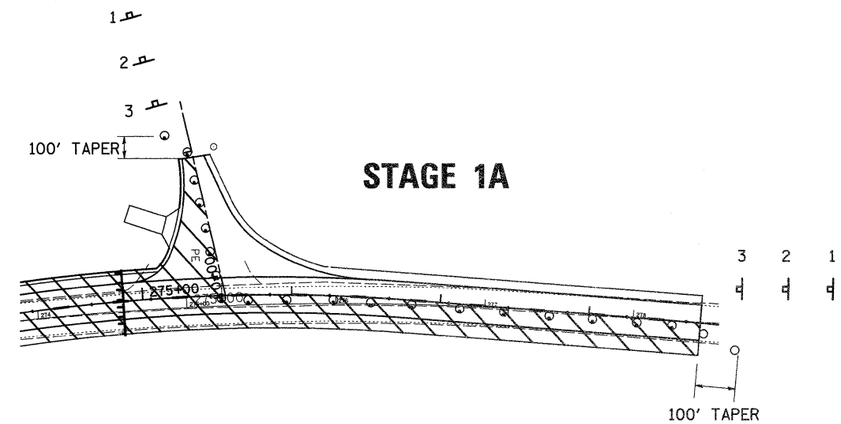
MAIN ST. INTERSECTION

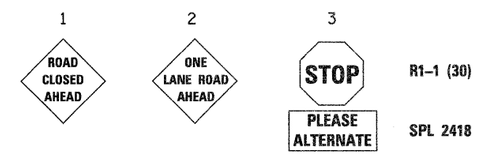
SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

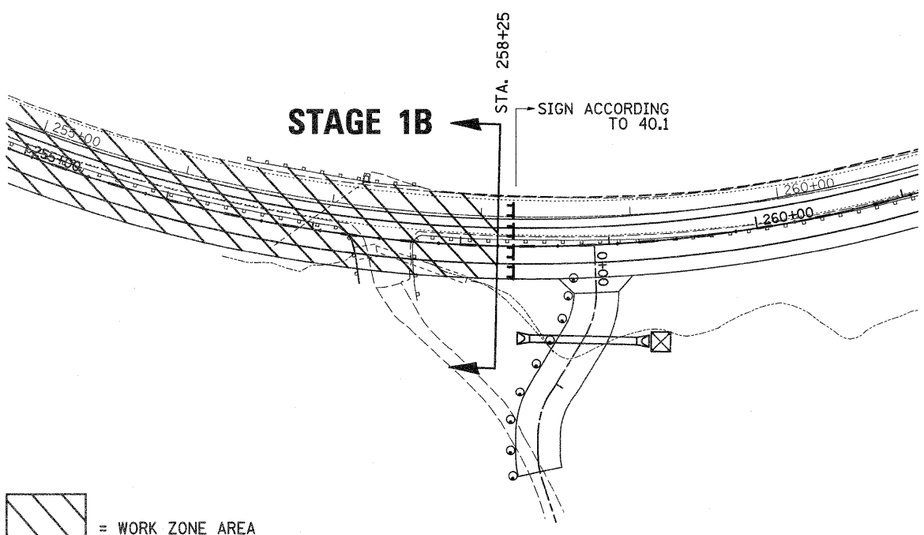
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	43
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		

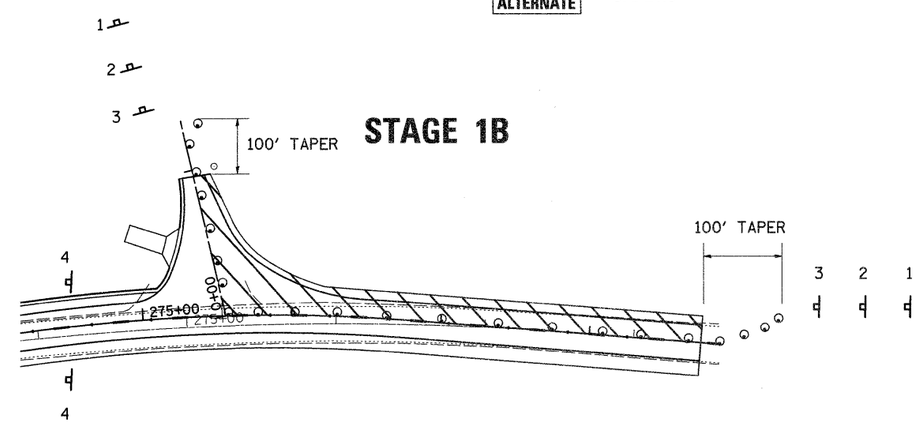
STAGE 1A & STAGE 1B

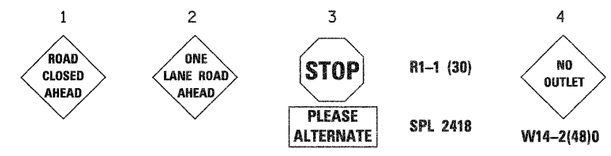












= WORK ZONE AREA

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		DRAWN -	REVISED -					CONTRACT NO. 64D92	
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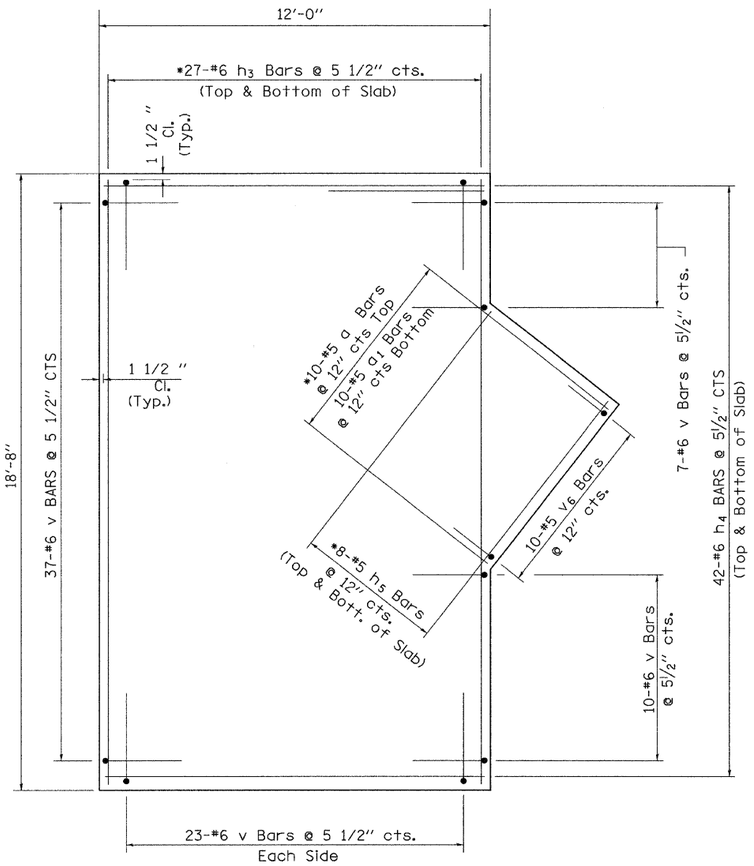
CONTRACT NO. 64D82

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JODAVIESS	160	45
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SH. 1 OF 3

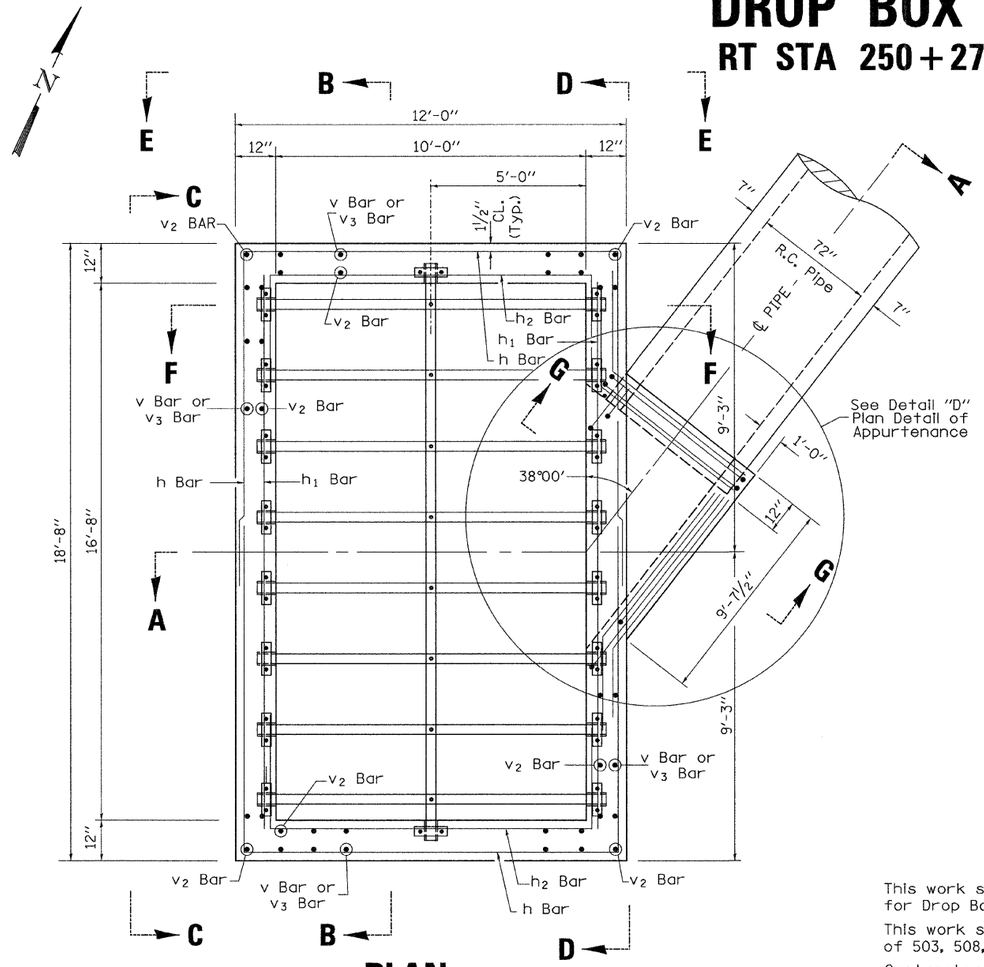
DROP BOX NO. 1

RT STA 250+27 (US 20)



BOTTOM SLAB

*Bend to fit Top of Slab Bars around RC Pipe



PLAN

Cut pipe to fit in field.

BILL OF MATERIAL

(For Information Only)

BAR	SIZE	NO.	LENGTH	SHAPE
a	5	20	11'-10"	
a1	5	20	11'-3"	
h	6	50	32'-9"	
h1	6	50	16'-11"	
h2	6	50	15'-5"	
h3	6	54	18'-3"	
h4	6	84	11'-7"	
h5	5	16	10'-3"	
h6	6	4	14'-3"	
h7	6	30	4'-6"	
h8	6	30	11'-9"	
h9	5	24	3'-0"	
v	6	100	9'-5"	
v2	5	58	13'-5"	
v3	5	52	9'-10"	
v4	5	14	16'-10"	
v5	5	13	13'-1"	
v6	5	10	9'-0"	
v7	5	10	6'-9"	

DESCRIPTION	UNIT	QTY
Concrete Box Culverts	CU YD	39.7
Reinforcement Bars	LB	12,760

DESCRIPTION	UNIT	QTY.
4" Galvanized Steel Pipe	1@	17'-5"
	8@	10'-9"
1/4" Galvanized Steel Plate	EACH	18
1/4"x 4"x 14" Galvanized Steel Plate	EACH	18
5/8"x 10" Galvanized Steel Bolts	EACH	8
Expansion Bolts 1/2"	EACH	36

GENERAL NOTES:

This work shall be paid for at the contract unit price per Each for Drop Box No. 1.

This work shall be done according to the applicable portion of 503, 508, and 540 of the Standard Specifications.

Contractor shall field verify Galvanized pipe length.

Exposed edges shall be beveled 3/4 ".

The contract unit price "each" for DROP BOX NO. 1 shall include the Expansion Bolts, Galvanized Pipe, Concrete Structures, Reinforcement Bars, Bolts, Nuts, Washers, Steel Plates, earth excavation where required, and necessary grading to fit the inlet as shown in the cross sections or to the slope.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60. See Special Provisions.

Steel Plates shall conform to AASHTO M-183 and shall be Galvanized conforming to AASHTO M-111.

Galvanized Pipe shall not be Threaded.

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

See Plan & Profile Sheet for more information.

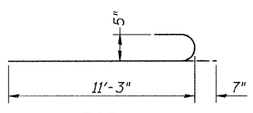
See Cross Section Sheet for more information.

Steel pipes shall conform to A.S.T.M. A-53 Grade B, Schedule 40, and shall be galvanized conforming to AASHTO Mill and A.S.T.M. A385.

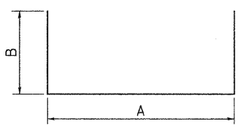
Grating Design conforms to AASHTO Roadside Design Guide Art. 3.4.2.1.

BENJAMIN A. NEBEL 081-006527 LICENSED ENGINEER OF JACKSONVILLE ILLINOIS 11/30/2008

Lic. Exp. 11/30/2010

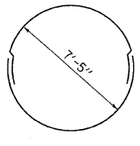


BAR a

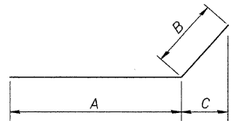


BAR	A	B
h Bar	11'-9"	10'-6"
h_2 Bar	10'-3"	2'-7"

BARS h & h_2

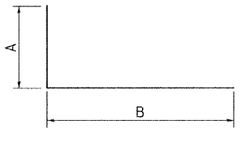


BAR h_6 (PAIR)



BAR	A	B	C
h_7 Bar	2'-3"	2'-3"	1'-9"
h_8 Bar	9'-6"	2'-3"	1'-4 1/2"

BARS h_7 & h_8



BAR	A	B
v Bar	2'-7"	6'-10"
v_4 Bar	7'-4"	9'-6"
v_5 Bar	2'-4"	10'-9"
v_6 Bar	2'-2"	6'-10"

BARS v, v_4, v_5, & v_6

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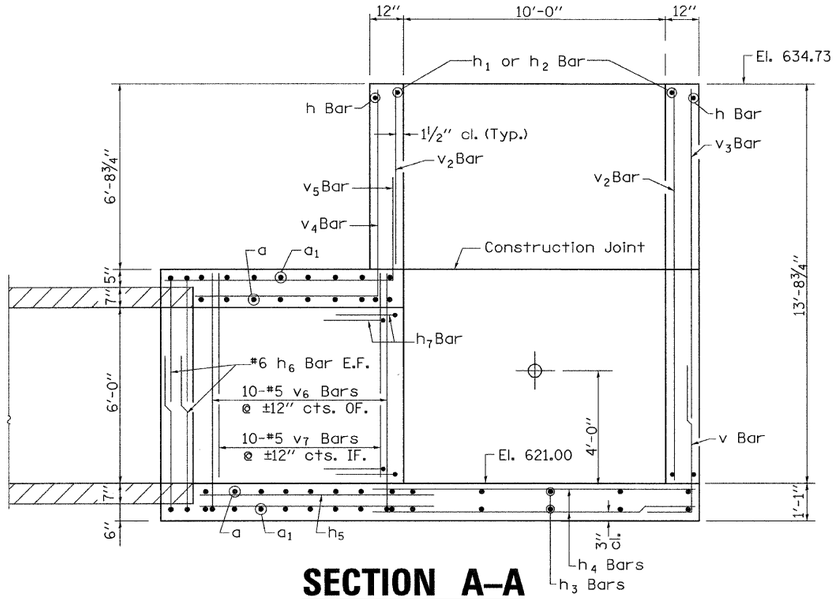
CONTRACT NO. 64D82

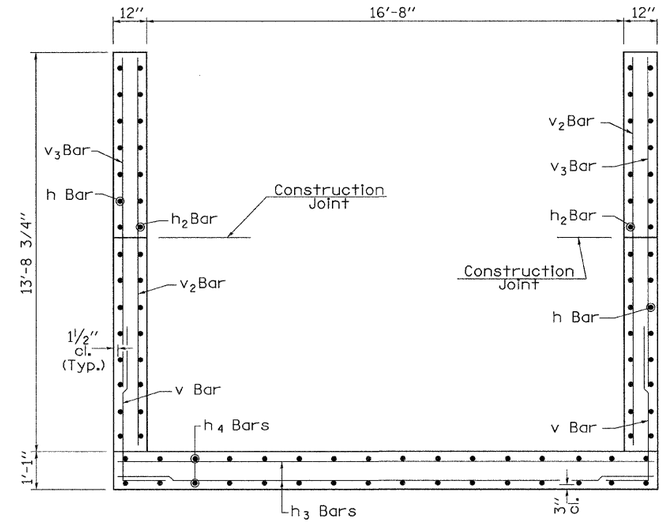
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JODAVIESS	160	46
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SH. 2 OF 3

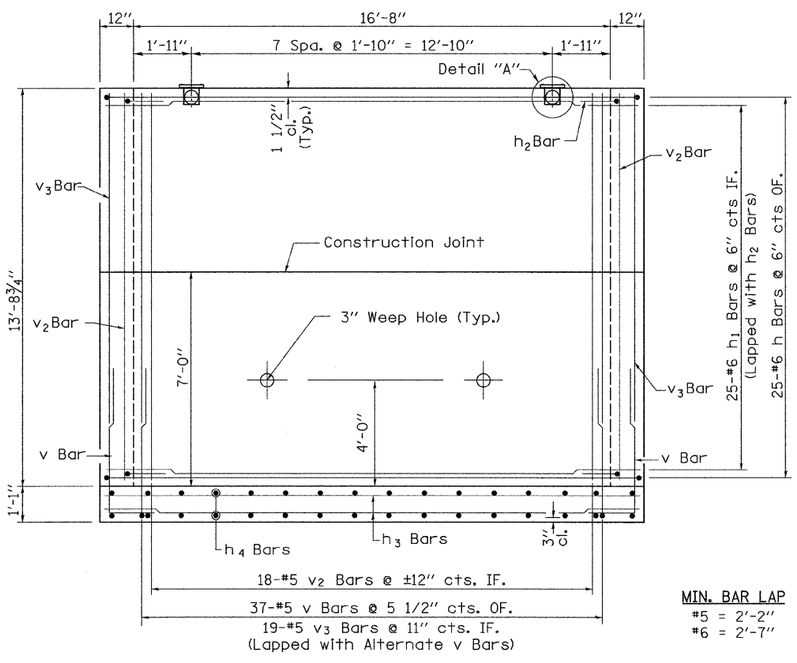
DROP BOX NO. 1
RT STA 250+27 (US 20)



SECTION A–A

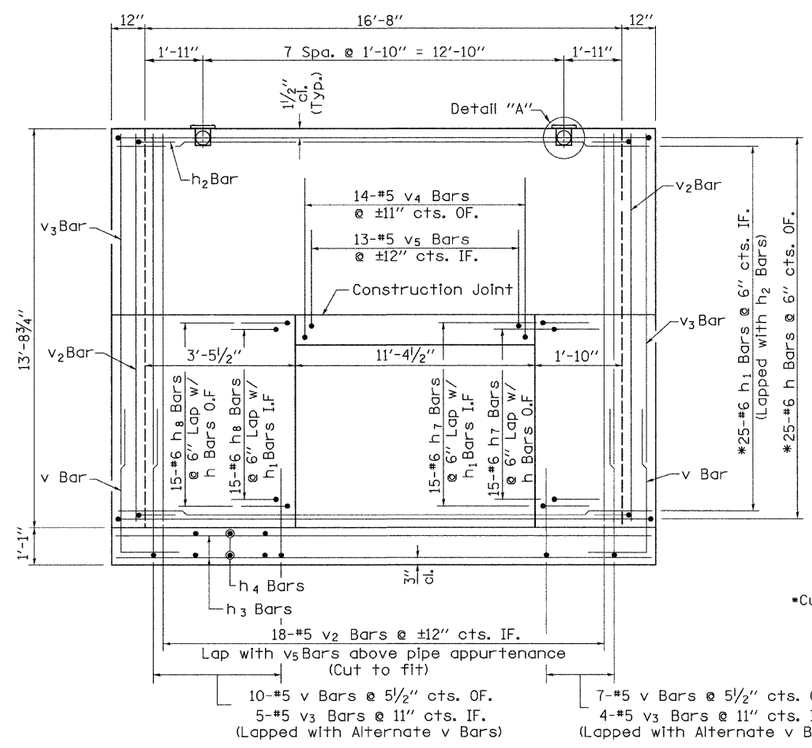


SECTION B–B



MIN. BAR LAP
#5 = 2'-2"
#6 = 2'-7"

VIEW C–C



*Cut Bars to fit around Pipe Appurtenance.

VIEW D–D

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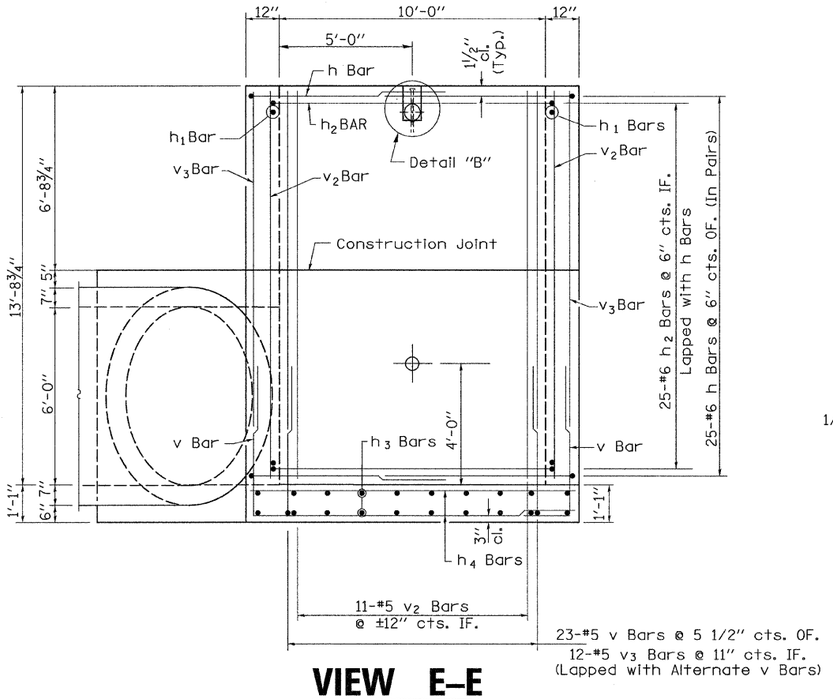
CONTRACT NO. 64D82

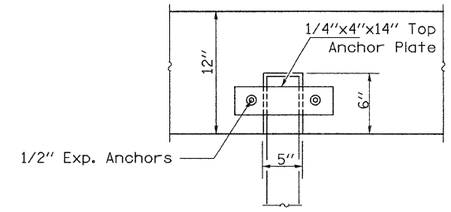
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JODAVIESS	160	47
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SH. 3 OF 3

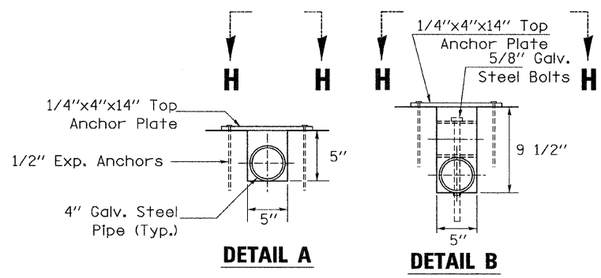
DROP BOX NO. 1
RT STA 250+27 (US 20)



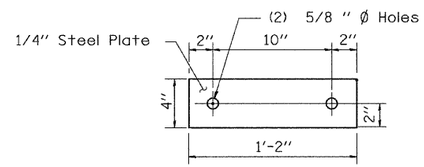
VIEW E–E



VIEW H–H



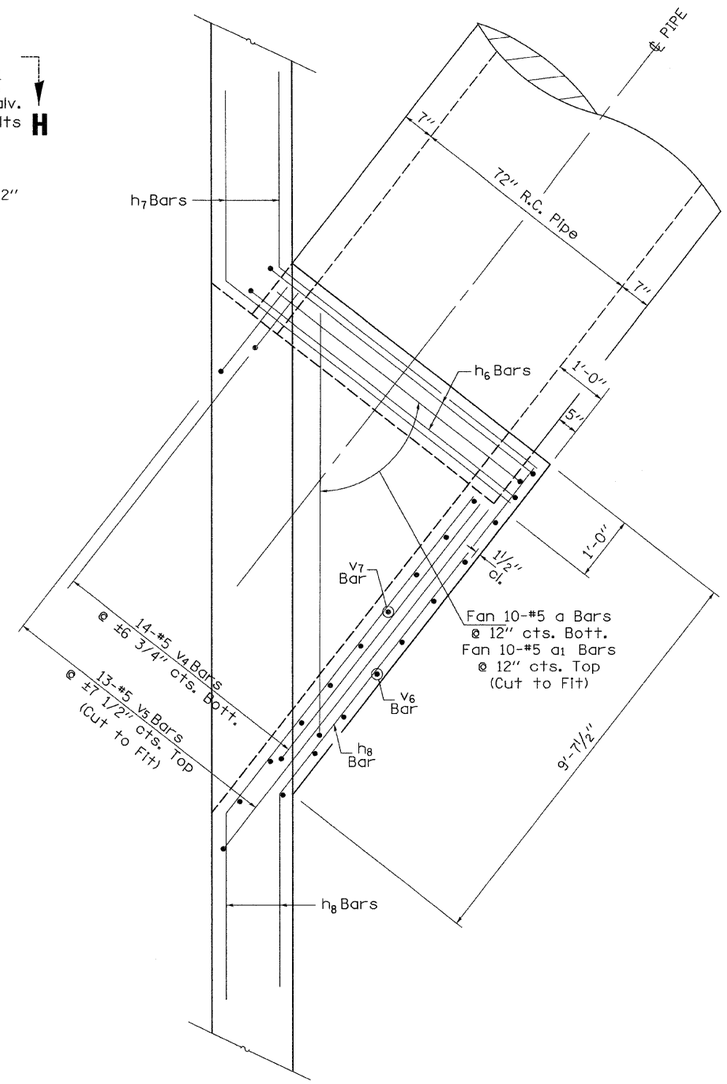
DETAIL A **DETAIL B**



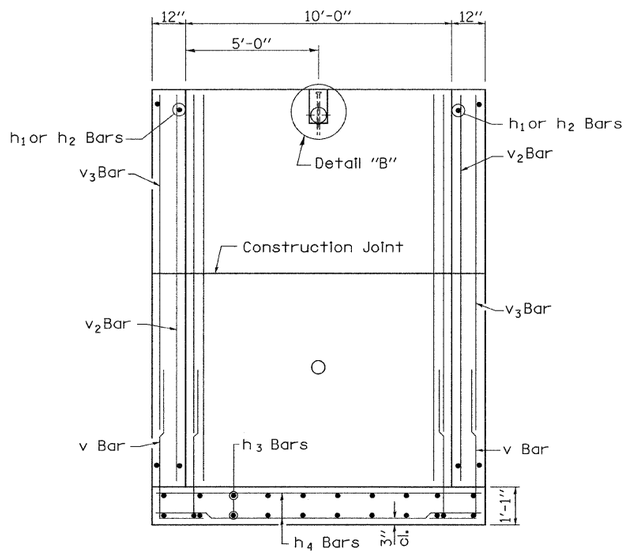
TOP ANCHOR PLATE

*Cut Bars to fit around Pipe

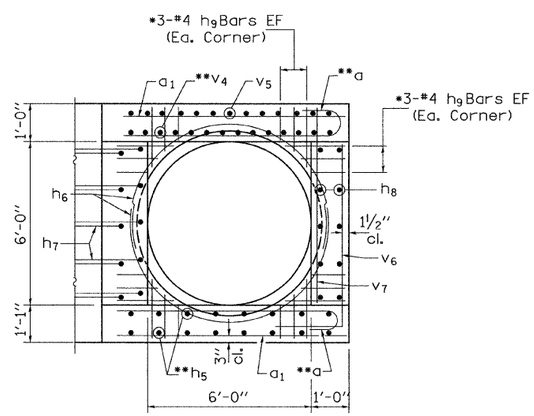
**Bend to fit around pipe.



DETAIL D
PLAN DETAIL OF APPURTENANCE



SECTION F–F



VIEW G–G

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BORING LOGS

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

SOIL BORING LOG

Page 1 of 1

Date 4/16/08

ROUTE US 20 DESCRIPTION P92-028-08 Culvert, 3.2 m. E. of East Dubuque LOGGED BY W. Garza

SECTION LOCATION Menominee Twp. - 2 NW, SEC. , TWP. 28N, RNG. 2W

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

STRUCT. NO.
Station

BORING NO. B-1
Station 52' E. of Ctr.
Offset 13.00ft S. of Ctr.
Ground Surface Elev. 101.90 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 87.00 ft

Groundwater Elev.:
First Encounter 79.9 ft ▼
Upon Completion Dry ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Shoulder	99.90				
SOFT brown LOAM	98.40		2 5 4	0.4 P	21.0
SOFT brown LOAM with ROCK	95.90	-5	2 2 3	0.4 P	19.0
MEDIUM brown SILTY LOAM	93.40		1 2 4	0.5 B	21.0
SOFT brown SANDY LOAM	90.40	-10	1 1 3	0.4 P	17.0
LOOSE brown dirty SAND with ROCK	88.40		3 3 3		9.0
MEDIUM tan weathered LIMESTONE	85.90	-15	1 5 20		
MEDIUM tan weathered LIMESTONE	83.40		10 6 7		
		-20	6		
MEDIUM tan weathered LIMESTONE (continued)	80.90		5 11		
MEDIUM brown/tan weathered LIMESTONE with SILTY CLAY lens	78.40		7 6 20		23.0
STIFF brown SANDY LOAM with LIMESTONE fragments		-25	6 9 9	1.5 P	
Auger Refusal at 26.5'	75.40				
End of Boring		-30			
		-35			
		-40			

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

BBS, from 137 (Rev. 8-99)

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

SOIL BORING LOG

Page 1 of 1

Date 4/16/08

ROUTE US 20 DESCRIPTION P92-028-08 Culvert, 3.2 m. E. of East Dubuque LOGGED BY W. Garza

SECTION LOCATION Menominee Twp. - 2 NW, SEC. , TWP. 28N, RNG. 2W

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

STRUCT. NO.
Station

BORING NO. B-2
Station 94' W. of Ctr.
Offset 40.00ft N. of Ctr.
Ground Surface Elev. 94.00 ft

Surface Water Elev. ___ ft
Stream Bed Elev. 87.00 ft

Groundwater Elev.:
First Encounter 77.0 ft ▼
Upon Completion 76.0 ft ▽
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown SILTY LOAM	92.00			0.3 P	24.0
No Recovery	90.50		1 2 3		
SOFT brown SANDY LOAM	88.00	-5	1 1 2	0.3 P	17.0
SOFT brown LOAM with LIMESTONE fragments	85.50		4 2 3	0.4 P	19.0
LOOSE brown dirty SAND	83.00	-10	1 3 4		
MEDIUM brown dirty SAND with GRAVEL	80.50		5 10 12		
VERY LOOSE brown moist dirty SAND	78.00	-15	1 2 3		
MEDIUM brown dirty SAND & GRAVEL	75.50		7 8 9		
		-20	0		
MEDIUM light brown SILTY LOAM (continued)	73.00		0 3	0.6 P	23.0
MEDIUM tan SILTY LOAM with SAND lens	70.50		1 4 14	0.7 B	26.0
MEDIUM brown fine SAND very little recovery	68.00	-25	5 4 12		
MEDIUM tan weathered LIMESTONE	65.50		5 13 12		
MEDIUM tan weathered LIMESTONE	63.00	-30	8 8 9		
DENSE tan/brown weathered LIMESTONE	60.50		3 10 19		
VERY DENSE tan weathered LIMESTONE	58.00	-35	3 20 86		
End of Boring		-40			

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

BBS, from 137 (Rev. 8-99)

BORING LOGS

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

SOIL BORING LOG

Page 1 of 1

Date 4/16/08

ROUTE US 20 DESCRIPTION P92-028-08 culvert, 3.2 m. E. of East Dubuque LOGGED BY W. Garza

SECTION LOCATION Menominee Twp. - 2 NW, SEC. , TWP. 28N, RNG. 2W

COUNTY JoDaviess DRILLING METHOD Solid Stem Auger HAMMER TYPE

STRUCT. NO.
Station

BORING NO. B-3
Station 11' W. of Ctr.
Offset 14.00ft S. of Ctr.
Ground Surface Elev. 99.00 ft

Surface Water Elev. ft
Stream Bed Elev. 87.00 ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
LOAM rock mix		-5			
		-10			
	84.00	-15			
1st encounter weathered LIMESTONE		-20			
1st encounter weathered LIMESTONE (continued)		-25			
	69.00	-30			
No Refusal End of Boring		-35			
		-40			

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

BBS, from 137 (Rev. 8-99)

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

SOIL BORING LOG

Page 1 of 1

Date 4/16/08

ROUTE US 20 DESCRIPTION P92-028-08 Culvert, 3.2 m. E. of East Dubuque LOGGED BY W. Garza

SECTION LOCATION Menominee Twp. - 2 NW, SEC. , TWP. 28N, RNG. 2W

COUNTY JoDaviess DRILLING METHOD Solid Stem Auger HAMMER TYPE

STRUCT. NO.
Station

BORING NO. B-4
Station 50' E. of Ctr.
Offset 19.00ft N. of Ctr.
Ground Surface Elev. 101.00 ft

Surface Water Elev. ft
Stream Bed Elev. 87.00 ft

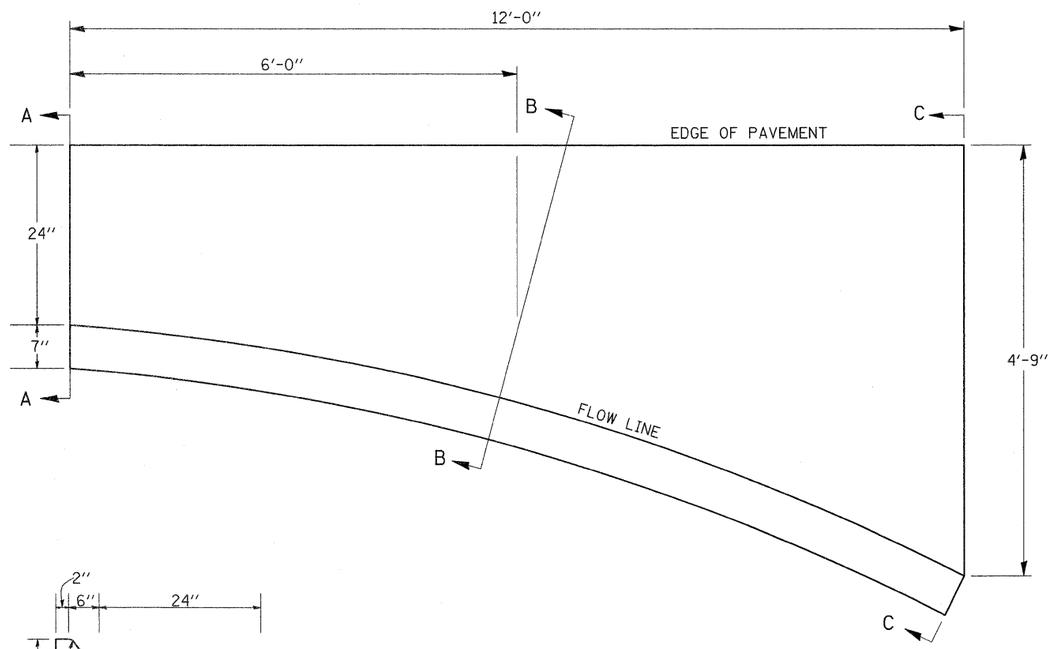
Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

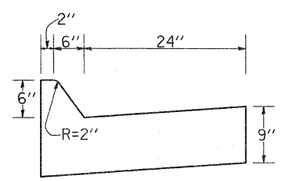
Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
LOAM rock mix		-5			
	93.00				
First Encounter weathered LIMESTONE	92.00				
Auger Refusal End of Boring		-10			
		-15			
		-20			

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

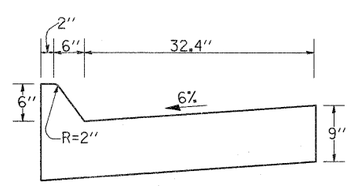
BBS, from 137 (Rev. 8-99)

STANDARD INLET FOR CURB & GUTTER TYPE M–6.24

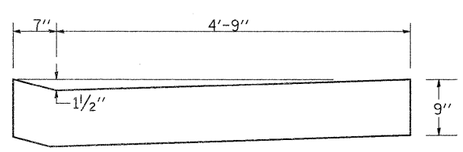




SECTION A-A



SECTION B-B



SECTION C-C

NOTES

Class SI Concrete shall be used throughout.

The Curb and Gutter Inlet will be paid for at the contract unit price per cubic yard for Class SI Concrete (OUTLETS).

Joints shall be constructed in accordance with the requirementsof Article 606.07 of the Standard Specifications.

When curb and gutter is constructed adjacent to flexible pavement, a 1" expansion joint shall be installed at construction joints.

- QUANTITY -

Section A-A to C-C
(1.23 Cu. Yds.)
Class SI Concrete

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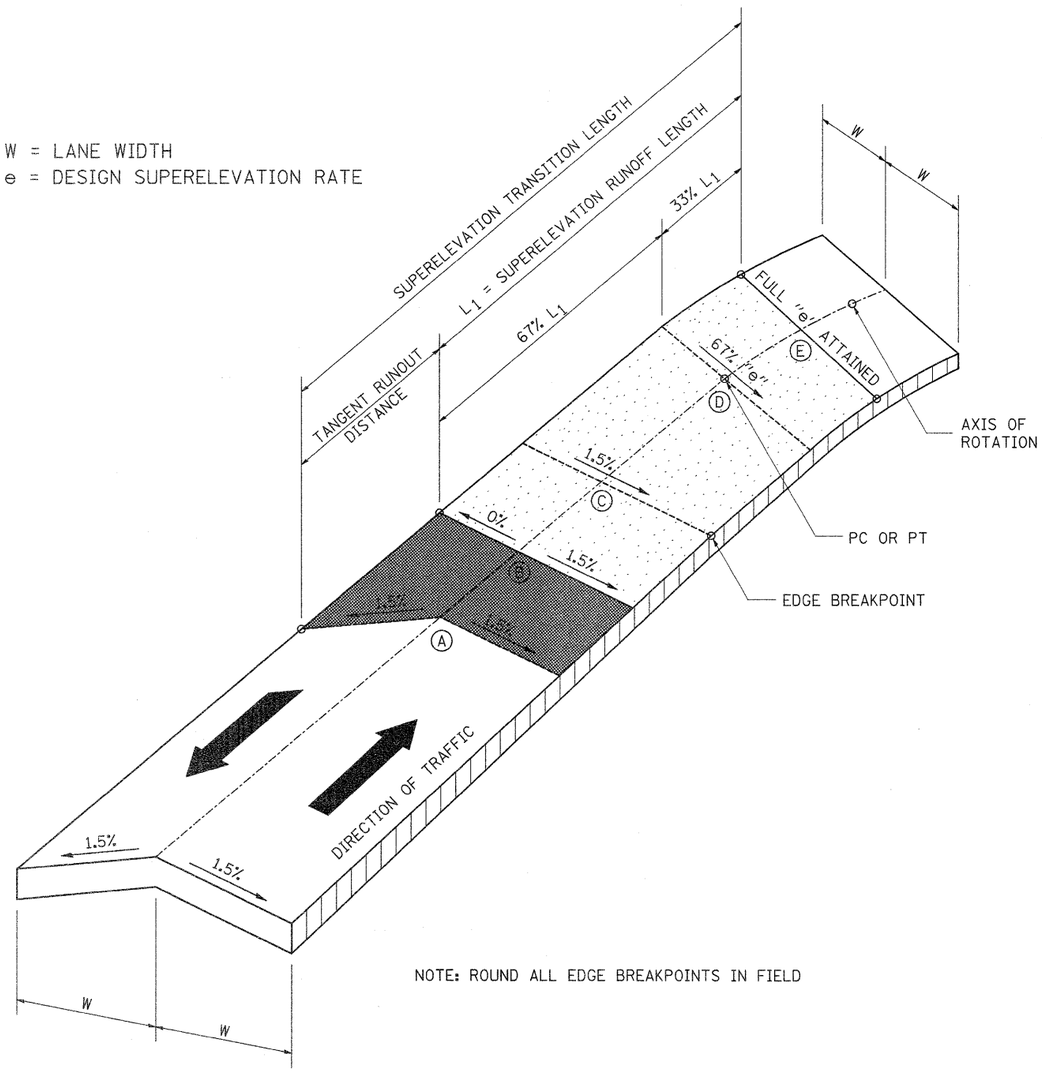
	PLOT DATE = Wed Dec 09 12:07:58 2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUPERELEVATION TRANSITION

W = LANE WIDTH
e = DESIGN SUPERELEVATION RATE



NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD

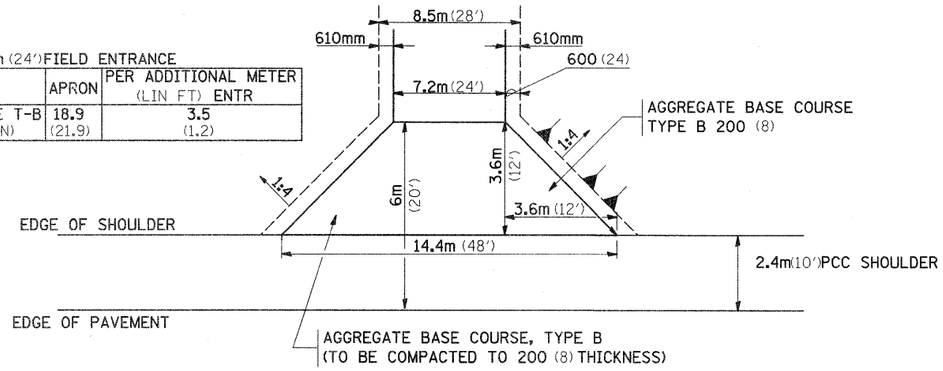
TRANSITION CURVE TABLE

CURVE PI STATION	SUPERELEVATION "e"	W	SUPERELEVATION TRANSITION LENGTH	TANGENT RUNOUT DISTANCE	SUPERELEVATION RUNOFF LENGTH DETAILS
	%	FOOT	FOOT	FOOT	
230+49.69	4.11	12	42	42	HOLD 4.11% FROM STA. 231+00 TO STA. 236+62.31
					@ PT {FULL S.E. STA. 236+62.31}
					{NORMAL CROWN = 238+18.31}
247+10.11	8.0	12	38	38	S.E. RUN @ PC=201'
					S.E. RUN @ PT=297'
					NORMAL CROWN STA.= 242+76.71
					FULL S.E. STA.= 245+15.71
					FULL S.E. STA.= 248+65.61
					0% CROSS SLOPE STA.= 251+62.61
264+65.31	8.0	12	N/A	0	S.E. RUN @ PC=297'
					S.E. RUN @ PT=201'
					NO TR
					0% CROSS SLOPE STA.= 251+62.61
					FULL S.E. STA.= 254+59.61
					FULL S.E. STA.= 269+39.65
					0% CROSS SLOPE STA.= 271+40.65
274+79.11	8.0	12	38	201	S.E. RUN @ PC & PT = 201'
					TR @ PT = 38'
					0% CROSS SLOPE STA.= 271+40.65
					FULL S.E. STA.= 273+41.65
					FULL S.E. STA.= 276+12.72
					NORMAL CROWN STA.= 278+51.72

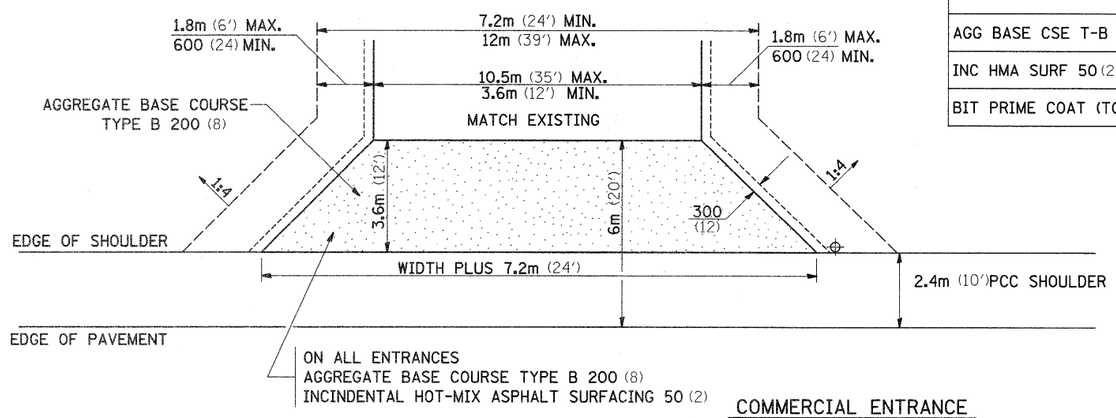
ENTRANCES AND SIDEROADS WITH 10' PCC SHOULDERS

7.2m (24') FIELD ENTRANCE

	APRON	PER ADDITIONAL METER (LIN FT) ENTR
AGG BASE CSE T-B M TON (TON)	18.9 (21.9)	3.5 (1.2)

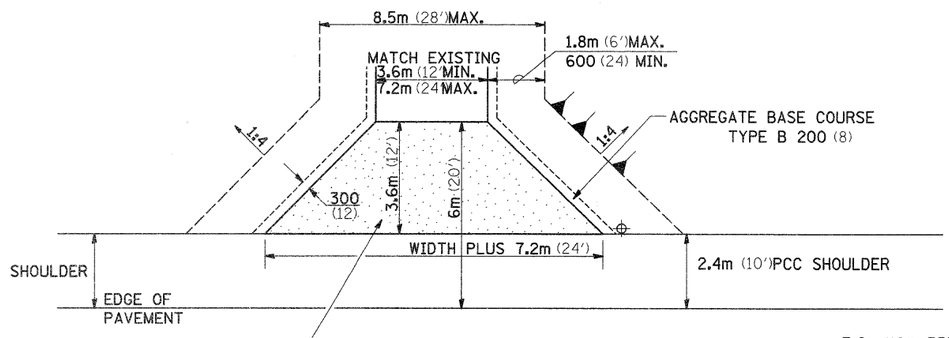


FIELD ENTRANCE



COMMERCIAL ENTRANCE

COMMERICAL ENTRANCE	3.6m (12')	10.5m (35')	PER METER ENTR (FOOT) 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)

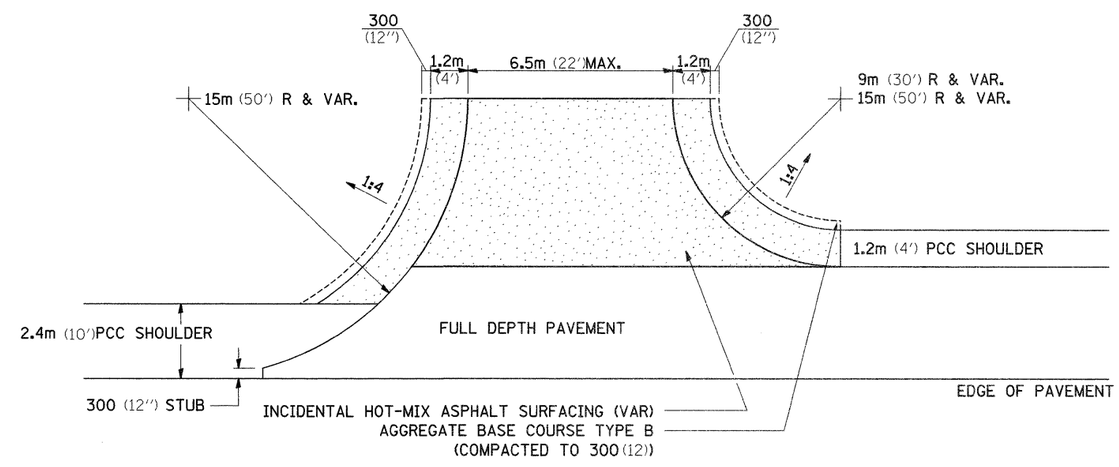


PRIVATE ENTRANCE

3.6m (12') PRIVATE ENTRANCE	3.6m (12')	7.2m (24')	PER METER ENTR (FOOT) 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 (8') PCC 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.
6. SEE PAVEMENT JOINT DETAILS, PAVEMENT ELEVATION DETAILS, AND TYPICALS FOR ALL SIDEROAD LIMITS AND DIMENSIONS.



SIDEROAD RETURN (SEE NOTE 6)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

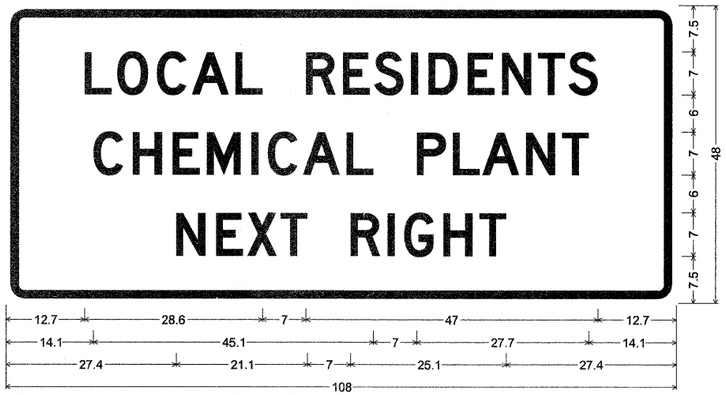
ENTRANCES AND SIDEROADS WITH 10' PCC SHOULDERS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	52
		CONTRACT NO. 64D92		

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

SIGNING DETAILS

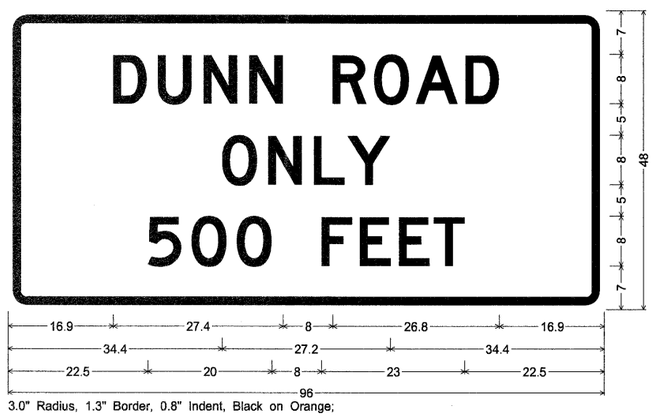


3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[LOCAL RESIDENTS] D 2K; [CHEMICAL PLANT] D 2K; [NEXT RIGHT] D 2K;
Table of letter and object lefts.

L 12.7	O 17.9	C 24.3	A 30.0	L 37.0	R 48.3	E 54.2	S 59.3	I 65.2	D 68.0	E 74.3	N 79.9	T 85.7	S 90.6
C 14.1	H 20.4	E 26.8	M 32.4	I 39.5	C 42.2	A 47.8	L 54.8	P 66.2	L 72.0	A 76.8	N 83.8	T 89.6	
N 27.4	E 33.8	X 38.9	T 44.2	R 55.5	I 61.5	G 64.1	H 70.4	T 76.3					

3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[LOCAL RESIDENTS] D 2K; [CHEMICAL PLANT] D 2K; [NEXT LEFT] D 2K;
Table of letter and object lefts.

L 12.7	O 17.9	C 24.3	A 30.0	L 37.0	R 48.3	E 54.2	S 59.3	I 65.2	D 68.0	E 74.3	N 79.9	T 85.7	S 90.6
C 14.1	H 20.4	E 26.8	M 32.4	I 39.5	C 42.2	A 47.8	L 54.8	P 66.2	L 72.0	A 76.8	N 83.8	T 89.6	
N 29.9	E 36.4	X 41.4	T 46.7	L 58.1	E 63.4	F 69.0	T 73.7						



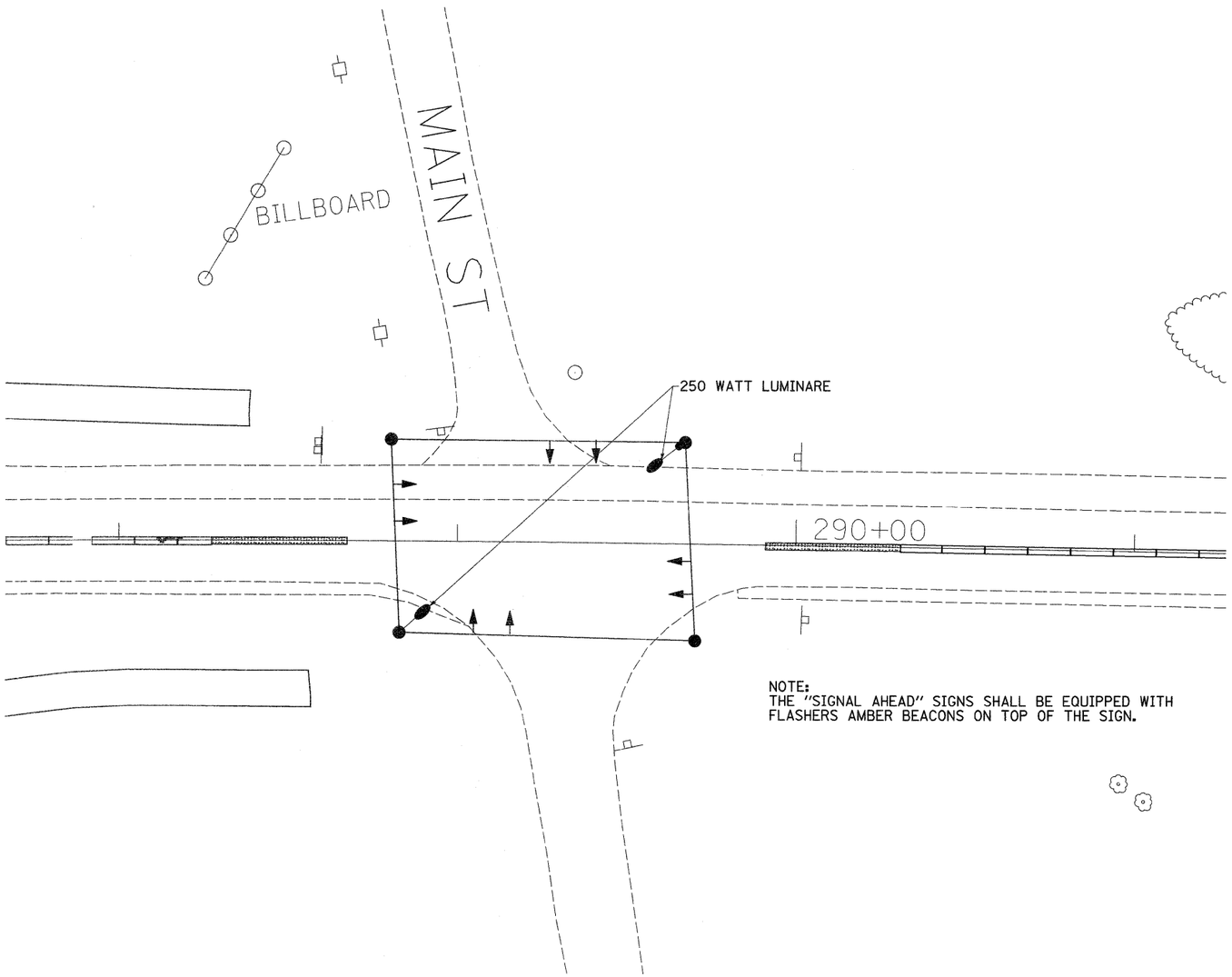
3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[DUNN ROAD] D 2K; [ONLY] D 2K; [500 FEET] D 2K;
Table of letter and object lefts.

D 16.9	U 24.1	N 31.5	N 38.8	R 52.3	O 58.9	A 65.6	D 73.6
O 34.4	N 41.9	L 49.2	Y 54.7				
5 22.5	0 29.5	0 36.8	F 50.5	E 56.6	E 63.0	T 68.6	

NOTES

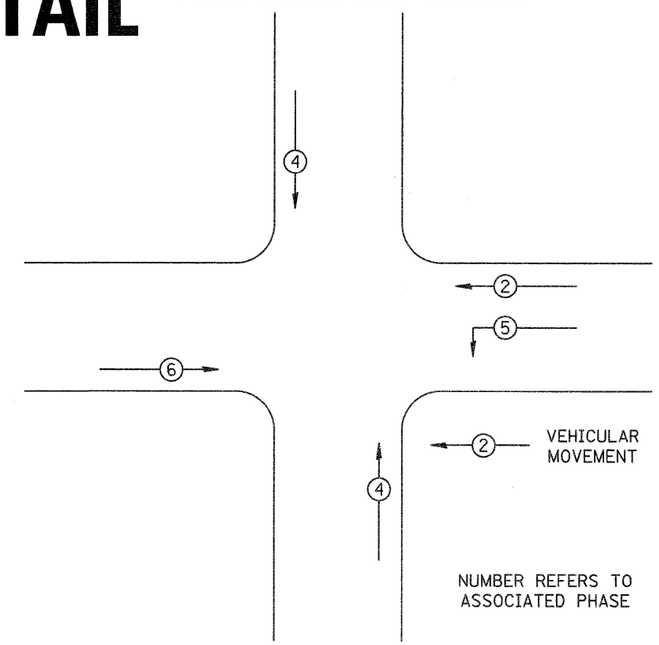
TO BE PAID FOR USING TRAFFIC CONTROL STANDARD 701401.

TEMPORARY SIGNALS DETAIL

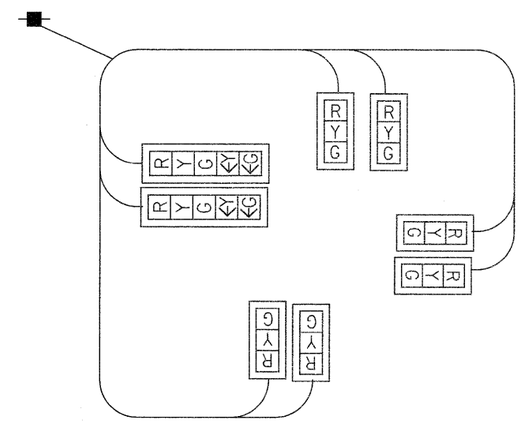


NOTE:
THE "SIGNAL AHEAD" SIGNS SHALL BE EQUIPPED WITH FLASHERS AMBER BEACONS ON TOP OF THE SIGN.

PHASE DESIGNATION DIAGRAM



REFER TO STANDARD 857001



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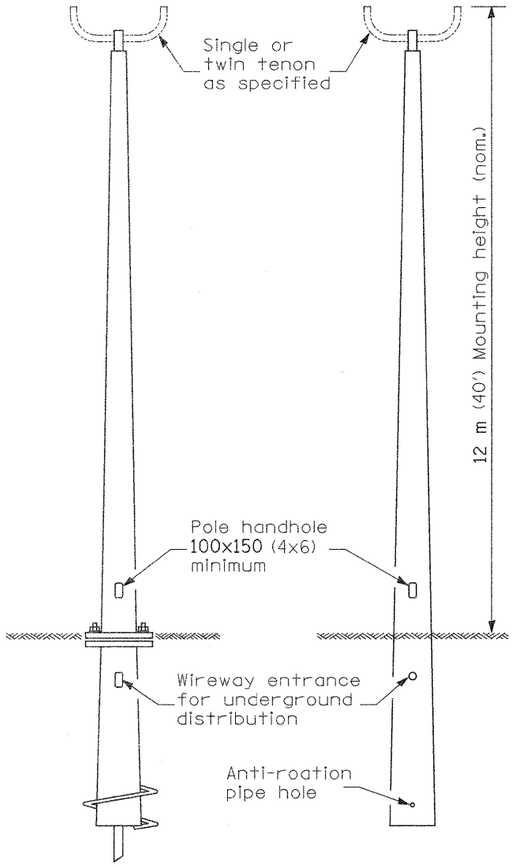
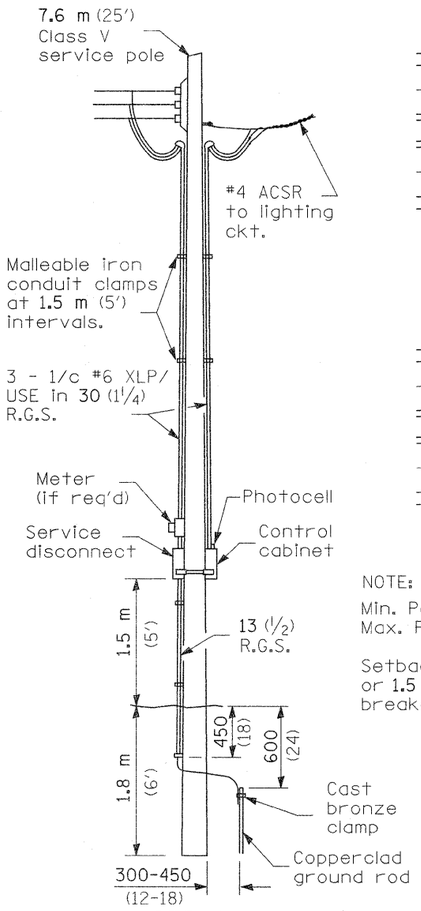


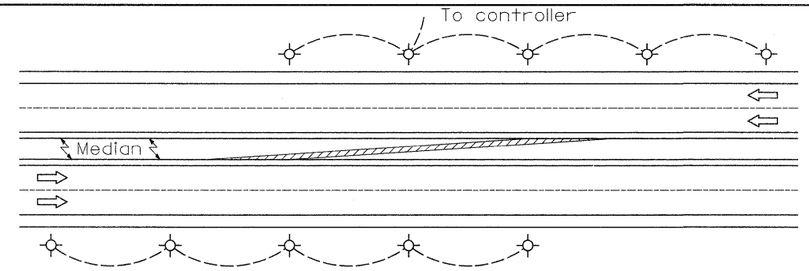
ANCHOR BASE W/ METAL FOUNDATION

BUTT BASE

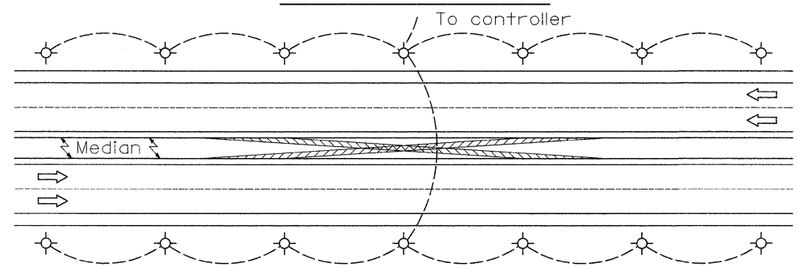
POLE, FIBERGLASS BREAKAWAY TYPE



SERVICE INSTALLATION



SINGLE CROSSOVER



DUAL CROSSOVER

NOTE:

Min. Pole spacing 60 m (200')
Max. Pole spacing 75 m (250')

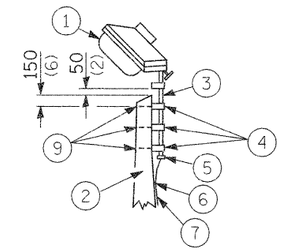
Setback shall be min. 9 m (30') or 1.5 m (5') back of ditch, unless breakaway type pole is used.

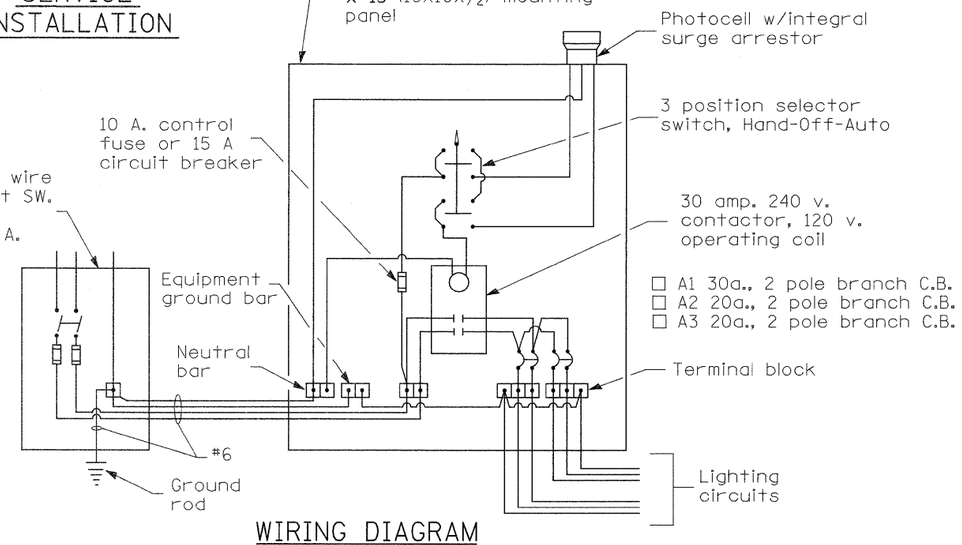
1. Luminaire
2. Wood pole, class 3 or better
3. 63 (2 1/2) Galv. steel conduit
4. Single offset pole band
5. Conduit bushing
6. Cable clamps on 600 (24) centers
7. 2/c #12 Type USE cable
8. 25 (1) Galv. steel conduit 3.0 m (10') in length
9. 16 (5/8) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
10. Conduit clamps on 900 (36) centers
11. Unit duct
12. Threaded reducer
13. "C" Condulet, threaded
14. 40 (1 1/2) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.

NOTE:

Luminaire(s) shall be oriented and the mounting angle adjusted as recommented by the Engineer.

Connect luminaire equipment ground to ACSR messenger.



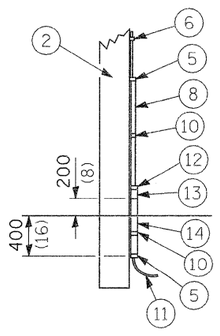


WIRING DIAGRAM

NOTE:

All equipment shall be U.L. approved.

* 30 A. or 60 A., dependent upon utility co. rules.



POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

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

FILE NAME = c:\pw_work\pwidot\cushmanbw\d0117386\D202808-details.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 12:08:00 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY LIGHTING SYSTEM DETAIL

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

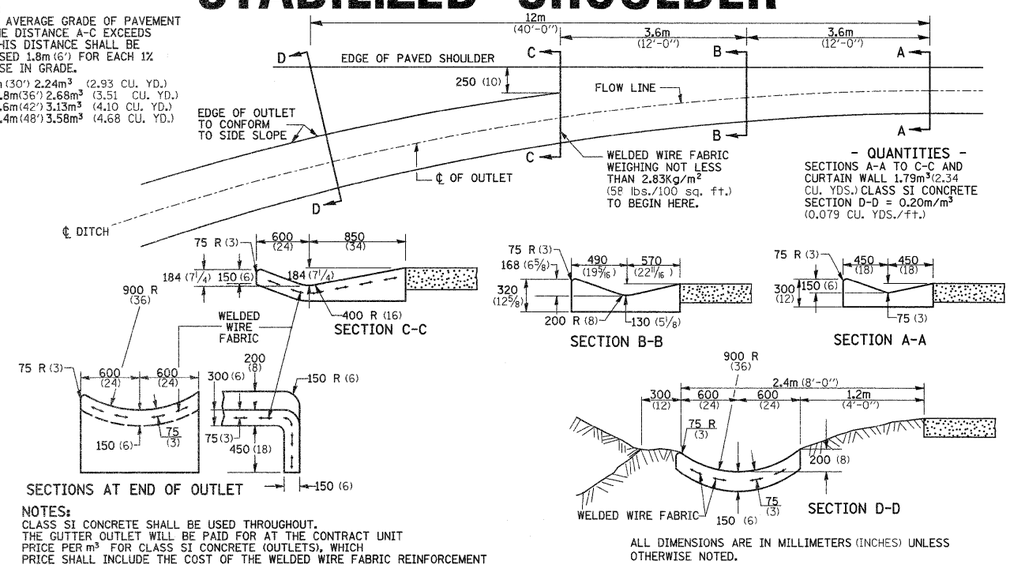
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	55
		CONTRACT NO. 64D92		

ILLINOIS FED. AID PROJECT

GUTTER OUTLET ADJACENT TO STABILIZED SHOULDER

NOTE:
IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE A-C EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 1.8m (6') FOR EACH 1% INCREASE IN GRADE.

3 % 9m (30') 2.24m³ (2.93 CU. YD.)
4 % 10.8m (36') 2.68m³ (3.51 CU. YD.)
5 % 12.6m (42') 3.13m³ (4.10 CU. YD.)
6 % 14.4m (48') 3.58m³ (4.68 CU. YD.)



- QUANTITIES -
SECTIONS A-A TO C-C AND CURTAIN WALL 1.79m³ (2.34 CU. YDS.) CLASS SI CONCRETE
SECTION D-D = 0.20m/m³ (0.079 CU. YDS./ft.)

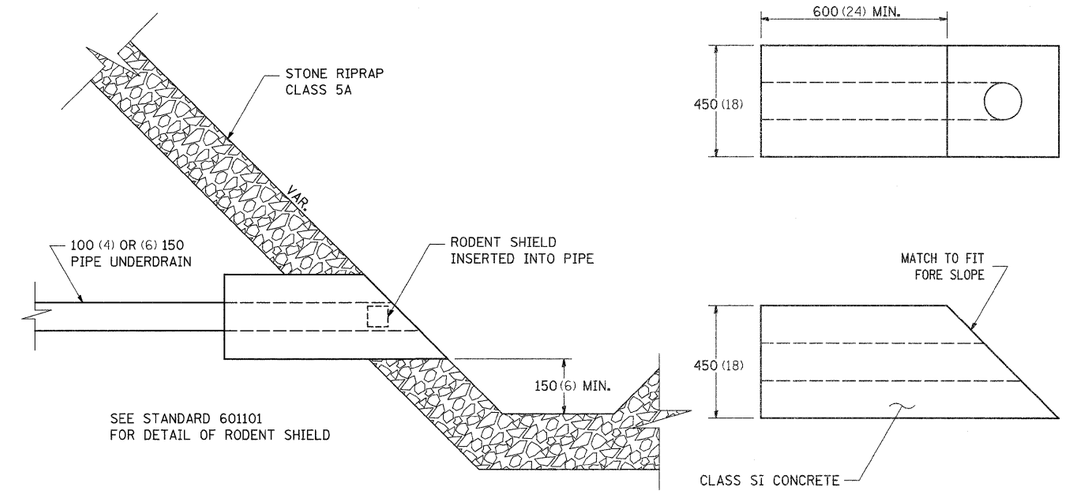
NOTES:
CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
THE GUTTER OUTLET WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER m³ FOR CLASS SI CONCRETE (OUTLETS), WHICH PRICE SHALL INCLUDE THE COST OF THE WELDED WIRE FABRIC REINFORCEMENT

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

REVISED - 5-4-94

GUTTER OUTLET ADJACENT TO STABILIZED SHOULDER 15.4

CONCRETE HEADWALLS FOR PIPE DRAINS

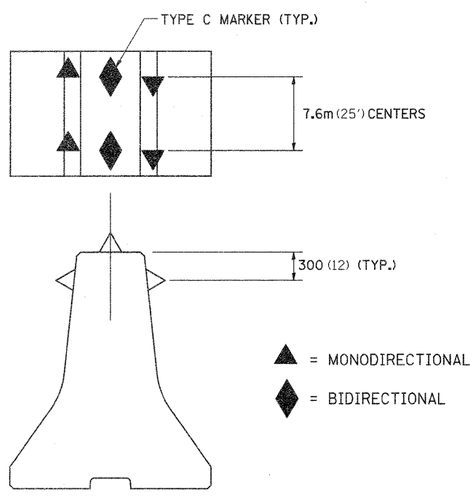


ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 10-15-04

CONCRETE HEADWALLS FOR PIPE DRAINS 27.4

DELINEATION OF CENTER BARRIER OF TWO-LANE TWO WAY OPERATION



DESIGNER NOTE:

Use this with Traffic Control and Protection Standard 701416 when using concrete barrier vs. flexible delineators as the barrier on centerline.

NOTES

1. All reflectors are to be amber in color and meet the specifications of Section 1097 of the Standard Specifications for Road and Bridge Construction.

2. All reflectors are to be installed in accordance with Section 782 of the Standard Specifications for Road and Bridge Construction.

3. On Interstates do not use the panels mounted on top of the barriers as shown on Standard 701416.

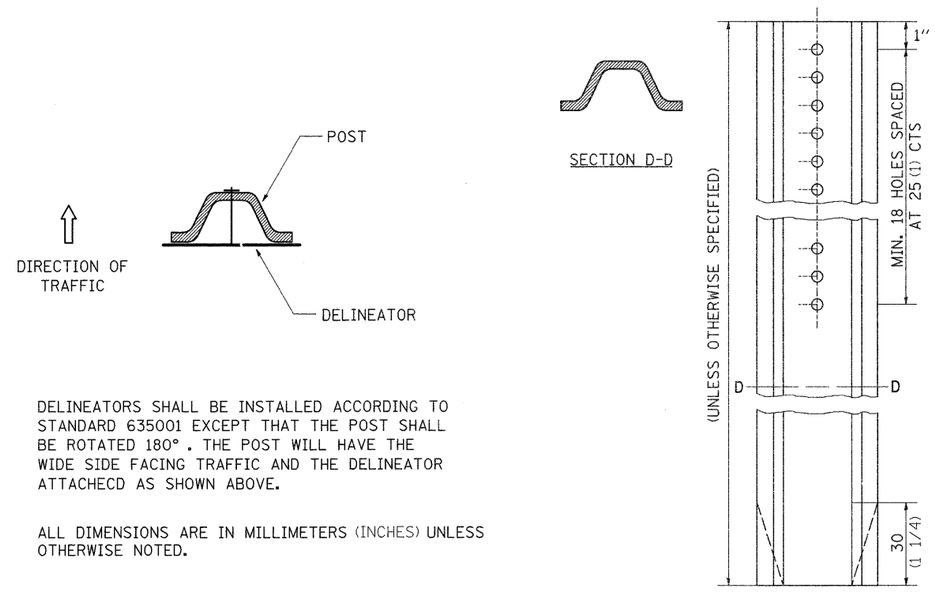
4. The cost of the reflectors will be included in the contract unit price per meter (foot) for Temporary Concrete Barrier.

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

REVISED - 1-08-08

DELINEATION OF CENTER BARRIER OF TWO-LANE TWO WAY OPERATION 25.4

DELINEATOR AND POST ORIENTATION



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

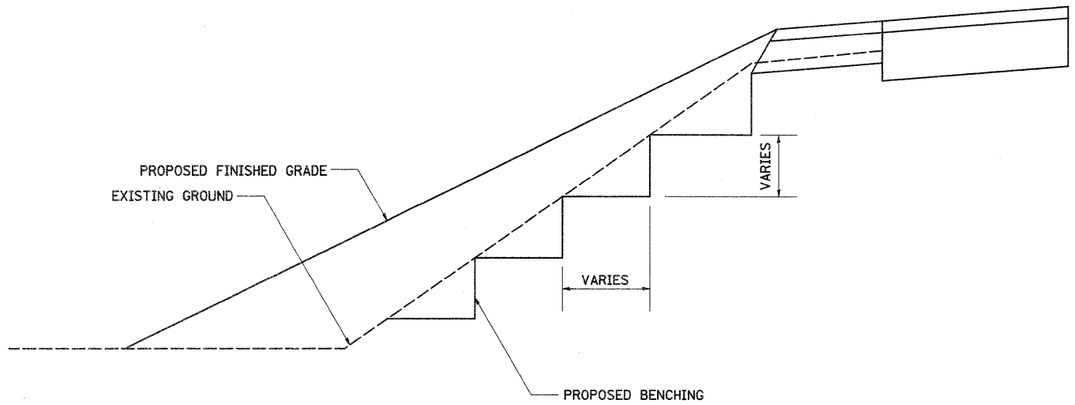
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 11-01-07	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		301	31T	JO DAVIESS	160	56
REVISED -				CONTRACT NO. 64D92		
REVISED -	SCALE: 50.0000 ' / IN. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = Wed Dec 09 12:07:54 2009

DELINEATOR AND POST ORIENTATION 37.4

TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

TREE REPLACEMENT SCHEDULE

CODE NUMBER	SCIENTIFIC NAME	COMMON NAME	SIZE	UNIT	QUANTITY
A2001714	ACER SACCHARUM	SUGAR MAPLE	1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30
A2005114	JUGLANS NIGRA	BLACK WALNUT	1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30
A2006514	QUERCUS BICOLOR	SWAMP WHITE OAK	1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30
A2006714	QUERCUS MACROCARPA	BUR OAK	1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30
A2007114	QUERCUS RUBRA	RED OAK	1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30
B2002614	MALUS ADAMS	ADAMS CRABAPPLE	1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	35
B2004814	MALUS SARGENTII	SARGENT CRABAPPLE	1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	35
B2005214	MALUS SUTYZAM	SUGAR TYME CRABAPPLE	1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	35
C2001748	CORNUS SERICEA CARDINAL	CARDINAL REDOSIER DOGWOOD	4' HEIGHT, BALLED AND BURLAPPED	EACH	35
D2002972	PINUS STROBES	EASTERN WHITE PINE	6' HEIGHT, BALLED AND BURLAPPED	EACH	20

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

TREE REPLACEMENT SCHEDULE 90.4

TYPICAL MEDIAN CROSSOVER CLOSURE

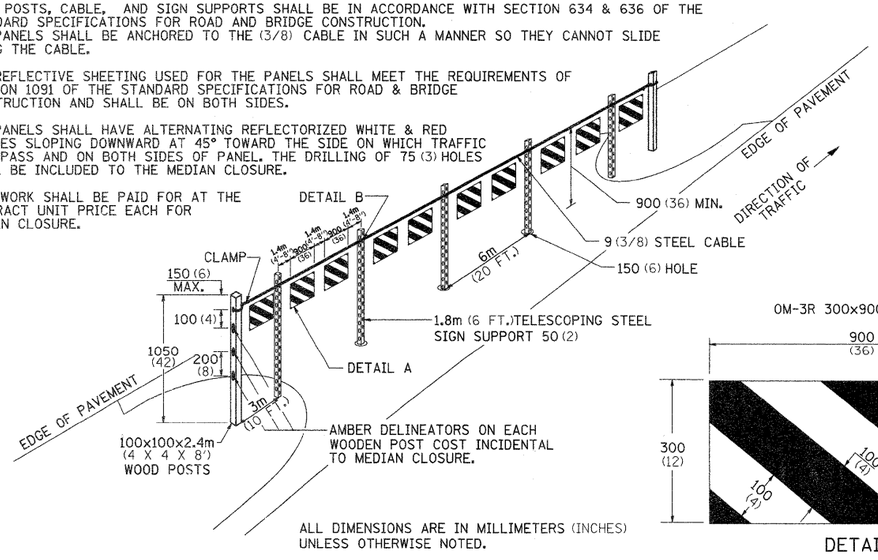
GENERAL NOTES

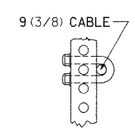
WOOD POSTS, CABLE, AND SIGN SUPPORTS SHALL BE IN ACCORDANCE WITH SECTION 634 & 636 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
THE PANELS SHALL BE ANCHORED TO THE (3/8) CABLE IN SUCH A MANNER SO THEY CANNOT SLIDE ALONG THE CABLE.

THE REFLECTIVE SHEETING USED FOR THE PANELS SHALL MEET THE REQUIREMENTS OF SECTION 1091 OF THE STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION AND SHALL BE ON BOTH SIDES.

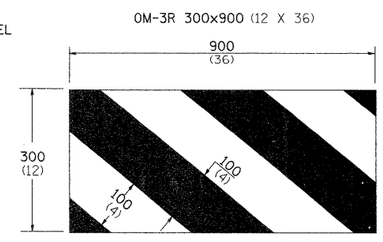
ALL PANELS SHALL HAVE ALTERNATING REFLECTORIZED WHITE & RED STRIPES SLOPING DOWNWARD AT 45° TOWARD THE SIDE ON WHICH TRAFFIC WILL PASS AND ON BOTH SIDES OF PANEL. THE DRILLING OF 75 (3) HOLES SHALL BE INCLUDED TO THE MEDIAN CLOSURE.

THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR MEDIAN CLOSURE.





DETAIL B



DETAIL A

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

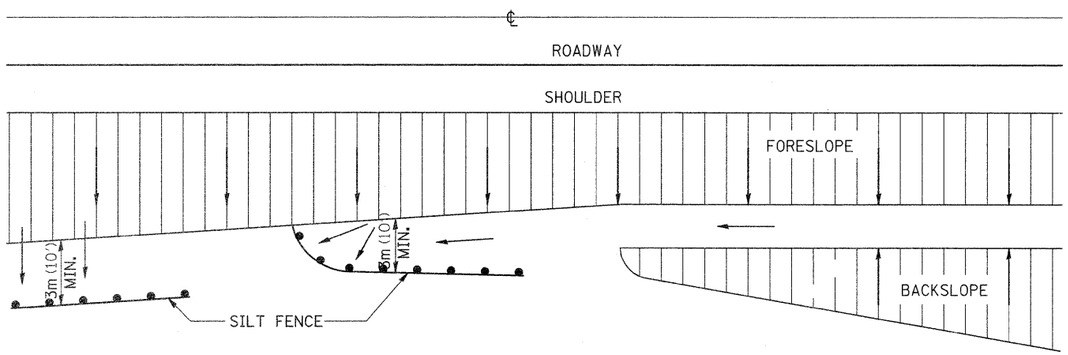
REVISED - 5-27-09

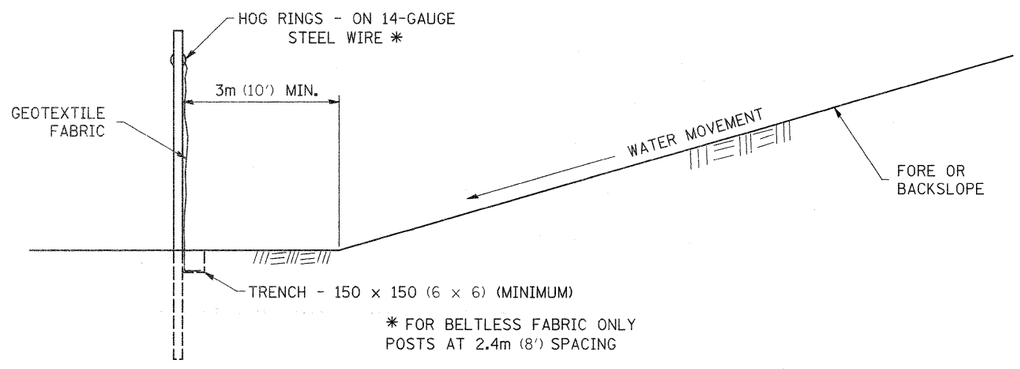
TYPICAL MEDIAN CROSSOVER CLOSURE 98.4

REVISED -	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
REVISED -		301	31T	JO DAVIESS	160 / 57
REVISED -				CONTRACT NO. 64D92	
REVISED -	SCALE: 50.0000 ' / IN. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

PLOT DATE = Wed Dec 09 12:07:54 2009

EROSION CONTROL DETAILS FOR SILT FENCE



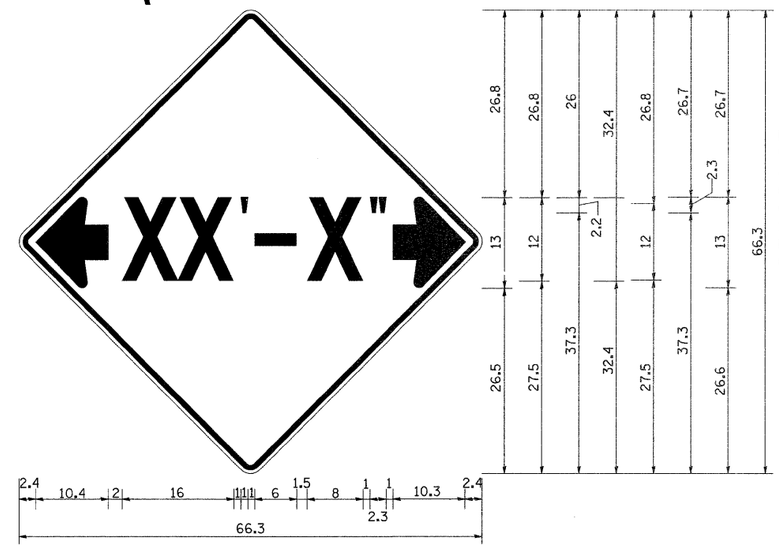


DETAILS OF SILT FENCE

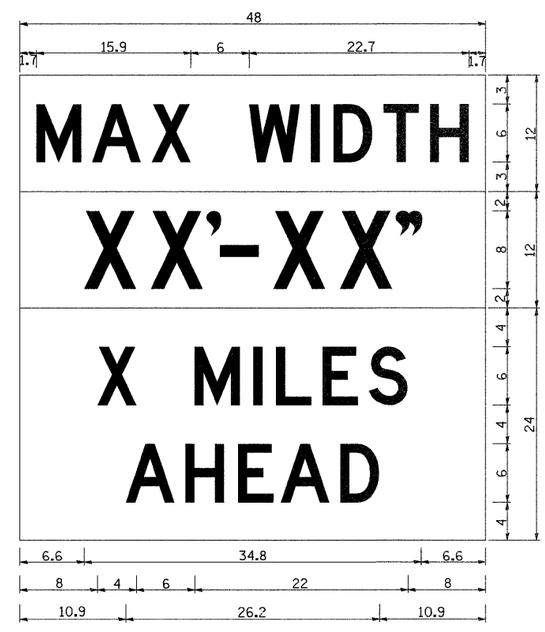
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 10-22-01

INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



NOTES
W12-2 - Horizontal Clearance Sign 48.0" across sides, 1.9" Radius, 0.8" Border, 0.5" Indent, Black on Orange; Standard Arrow Custom 10.4" X 8.1" 180° Black 11 Inch D Series Lettering; Standard Arrow Custom 10.4" X 8.1" 0°



W12-I103 (Width is 8D);
No border, Black on White;
[MAX WIDTH] D;

No border, Black on Orange;
[XX'-XX"] D;

No border, Black on White;
[X MILES] D; [AHEAD] D;

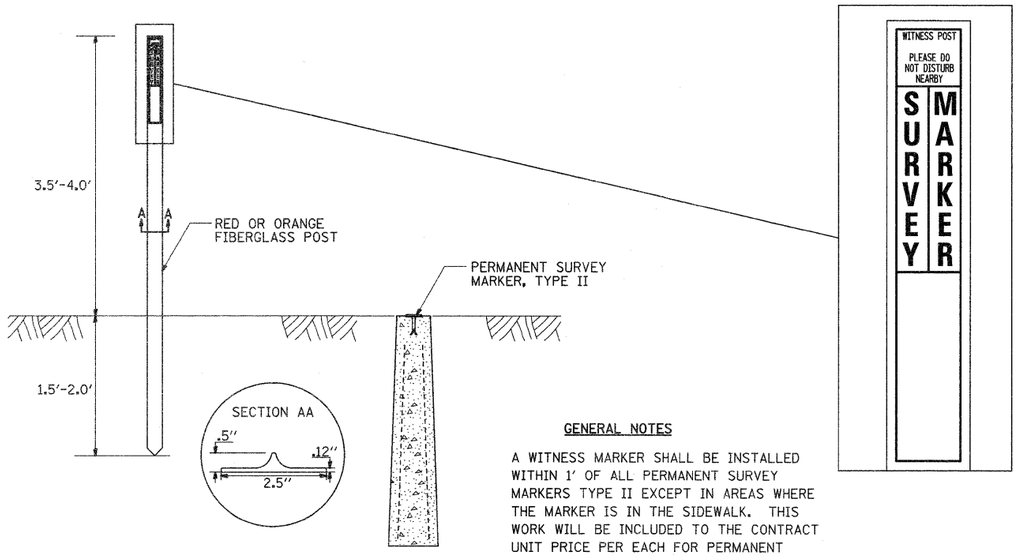
All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED 1-9-08	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		301	31T	JO DAVIESS	160	58
REVISED -				CONTRACT NO. 64D92		
REVISED -	SCALE: 50.0000 ' / IN SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = Wed Dec 09 12:07:52 2009

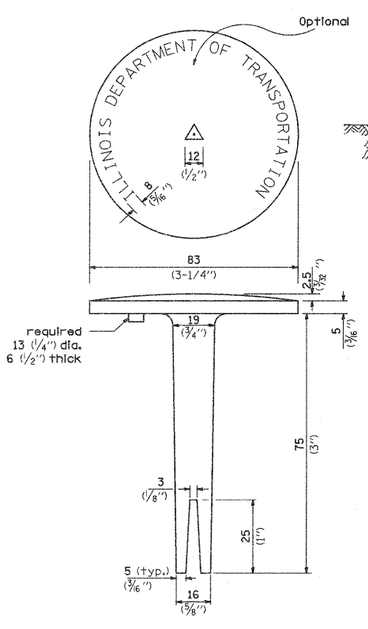
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



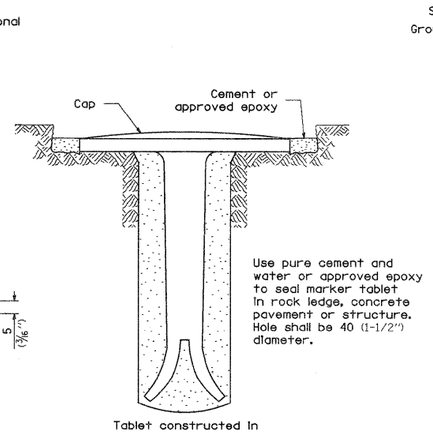
GENERAL NOTES

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.

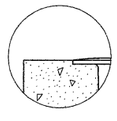
PERMANENT SURVEY MARKERS, TYPE II



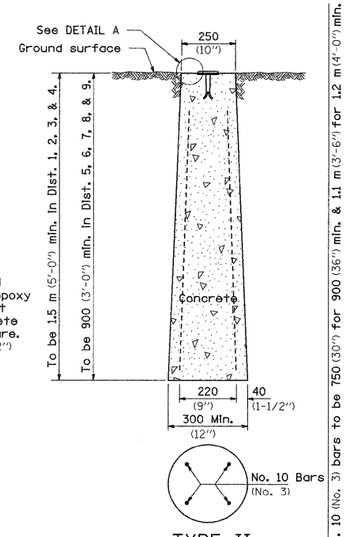
BRASS OR ALUMINUM TABLET



TYPE II



DETAIL A



TYPE II

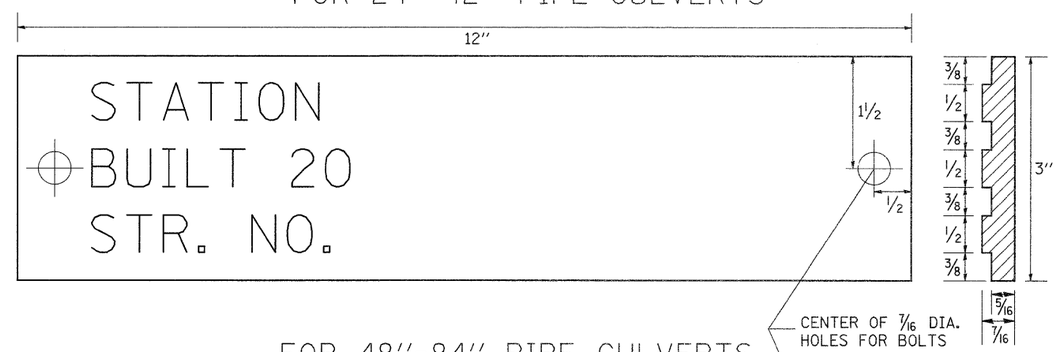
CAST-IN-PLACE MARKER

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

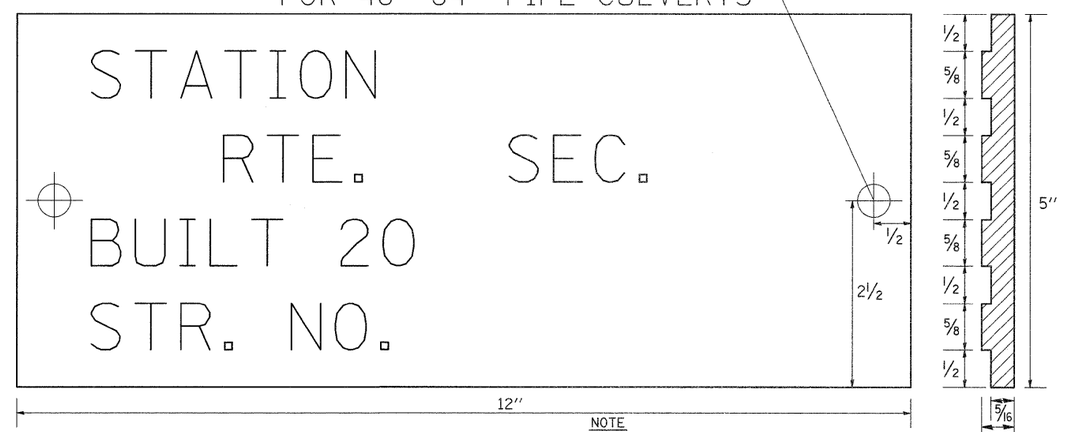
REVISED - 10-21-08

NAME PLATE FOR CULVERTS

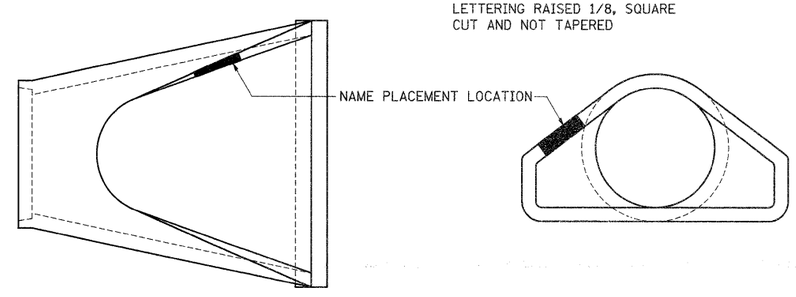
FOR 24"-42" PIPE CULVERTS



FOR 48"-84" PIPE CULVERTS



NOTE
LETTERING RAISED 1/8, SQUARE CUT AND NOT TAPERED



DESIGNERS NOTE

SEE STD. 515001

USE STANDARD 515001 FOR BRIDGES AND MULTI-CELL CULVERTS WITH SPANS OF 20' OR MORE MEASURED ALONG THE CENTERLINE AT THE HIGHWAY.

USE THIS DETAIL FOR ALL OTHER PIPE CULVERTS & BOX CULVERTS WITH STRUCTURE NUMBERS. INCLUDE THE INFORMATION TO FILL OUT THE NAME PLATE FOR EACH CULVERT.

IN BOTH CASES INCLUDE A PAY ITEM FOR NAME PLATES.

STATION	STRUCTURE NO.
STA. 249+74	043-1086

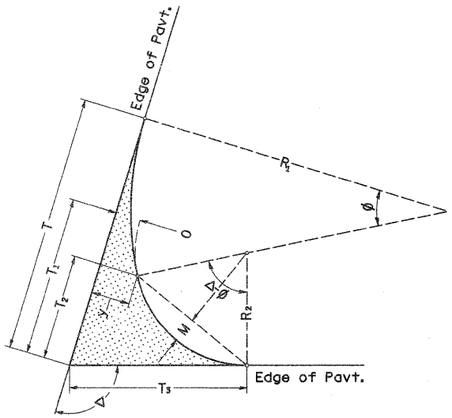
REVISED 5-27-09	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
REVISED -		301	31T	JO DAVIESS	160 / 59
REVISED -				CONTRACT NO. 64D92	
REVISED -	SCALE: 50.0000 ' / IN. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

PLOT DATE = Wed Dec 09 12:07:53 2009

WITNESS MARKER & PERMANENT SURVEY MARKERS TYPE II 66.2

NAME PLATE FOR CULVERTS 88.2

TWO CENTER CURVE DATA



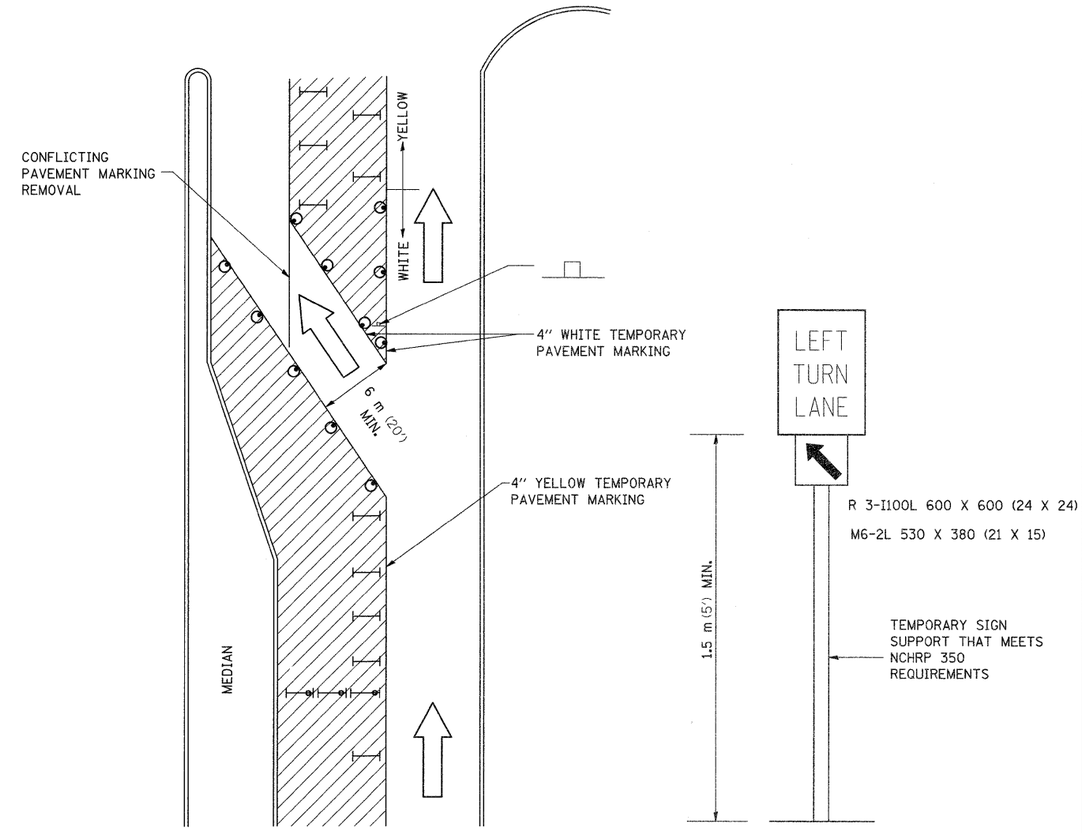
TWO CENTER CURVES

REVISED - 3-22-90

CURVE NO.	1	2	3
R1	120.00	140.00	360.00
R2	30.00	70.00	60.00
O	10.00	10.00	13.00
DELTA	90.00	90.00	80.00
T	71.23	106.06	135.41
T1	30.00	70.00	48.05
T2	16.26	33.94	30.58
T3	40.00	80.00	63.55
y	13.33	20.00	15.60
4y/9	5.93	8.89	6.93
y/9	1.48	2.22	1.73
M	4.38	9.07	8.86
15M/16	4.11	8.51	8.31
3M/4	3.29	6.81	6.65
7M/16	1.92	3.97	3.88
C	31.23	68.94	62.76

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

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)



LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
- DRUM OR BARRICADE WITH STEADY BURN LIGHT
- SIGN (SEE DETAIL)
- TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

GENERAL NOTES

CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT.

STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.

TEMPORARY PAVEMENT MARKING SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.

THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 600 x 600 (24 X 24) AND M6-2R 530 X 380 (21 X 15) SHALL BE USED.

THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

REVISED - 10-15-04	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		301	31T	JO DAVIESS	160	60
REVISED -				CONTRACT NO. 64D92		
REVISED -	SCALE: 50.0000 ' / IN. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = 4/10/2007 TIME = 08:13:07.53 2007

STORM WATER POLLUTION PREVENTION PLAN
EROSION CONTROL PLAN

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

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

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

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

SITE DESCRIPTION
DESCRIPTION OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSISTS OF THE COMPLETE REMOVAL AND REPLACEMENT OF PAVEMENT, SHOULDERS, AND 7 CULVERTS; PLUS THE ADDITION OF TURN LANES, CURB AND GUTTER, STORM SEWER, GUARDRAIL, DITCHING, PAVEMENT MARKING, AND ALL INCIDENTAL WORK.

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) 13.5 ACRES
PROPOSED R.O.W (TOTAL PARCEL AREA) 4.9 ACRES
DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 13.5 ACRES

SUPPORTING REPORTS AND PLANS
THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

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

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE
DIXON CREEK, MENOMINEE RIVER, MISSISSIPPI RIVER

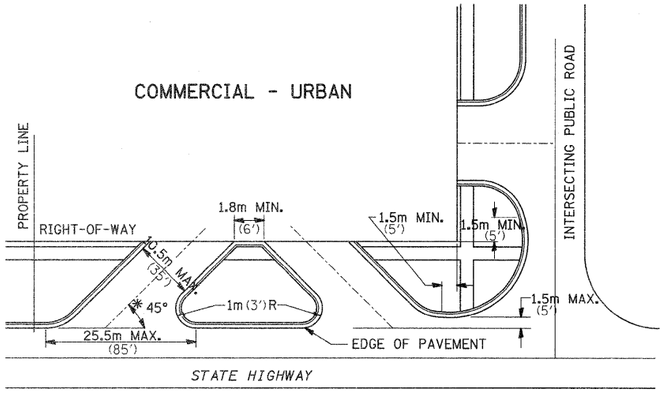
EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES
STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:
PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

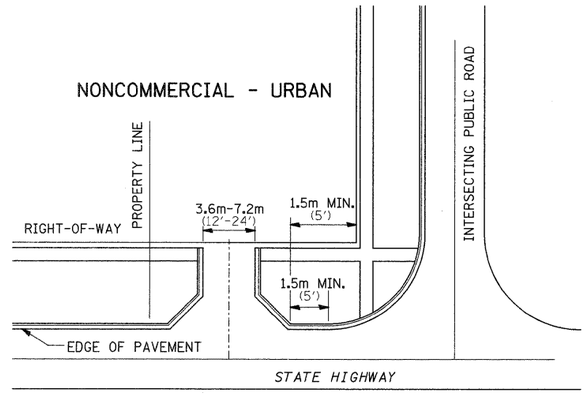
STABILIZATION PRACTICES DURING CONSTRUCTION:
AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL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

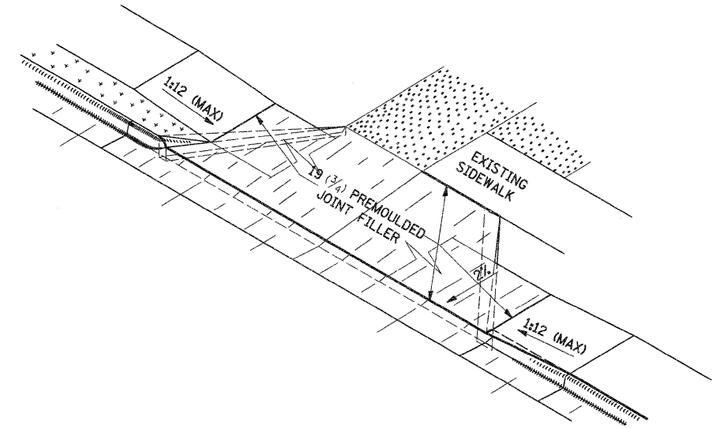
MAINTENANCE AFTER FINAL GRADING
TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED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

ENTRANCE APPROACHES – URBAN AREA

TYPICAL APPLICATION OF ENTRANCES

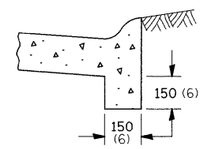




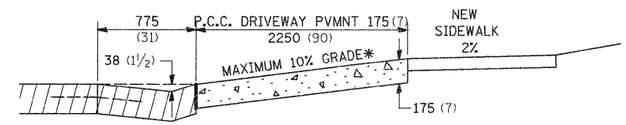


WHEN THE ISLAND BETWEEN DRIVES IS LESS THAN 7.5m (25') LONG OR LESS THAN 10 FEET WIDE, IT SHALL BE DEFINED BY CURBS, MASONRY, OR OTHER DEVICES.

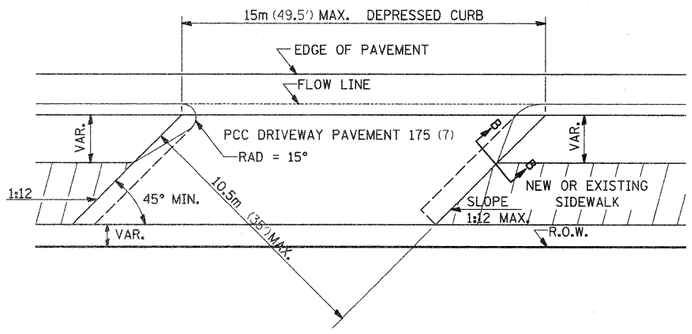
* 45° MIN. ANGLE PERMITTED ONLY FOR ONE-WAY DRIVEWAYS.
60° MIN. ANGLE FOR TWO-WAY DRIVEWAYS.



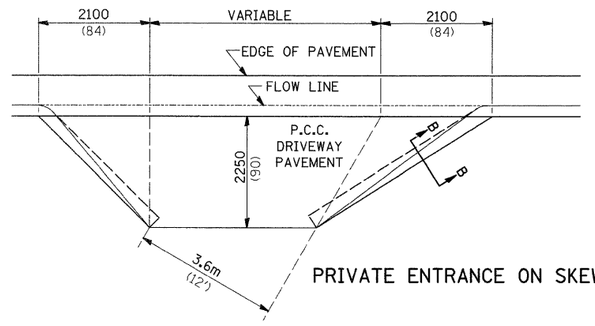
SEC B-B



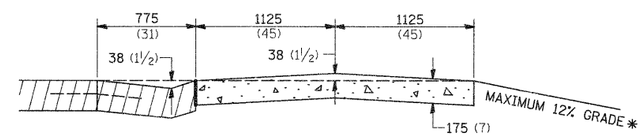
ASCENDING APPROACH



COMMERCIAL ENTRANCE

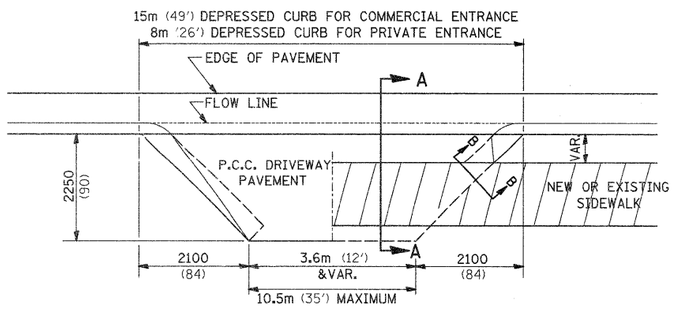


PRIVATE ENTRANCE ON SKEW

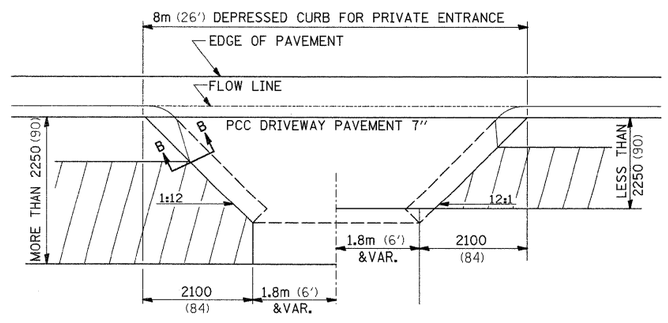


DESCENDING APPROACH

* IN CASES WHERE GRADE EXCEEDS 10%, THE RESIDENT ENGINEER SHALL CHECK WITH DISTRICT DESIGN OFFICE TO DETERMINE NEW APPROACH GRADE, PARTICULAR ATTENTION SHALL BE PAID TO THE NEGATIVE GRADE TO PREVENT DRAINAGE FROM OVER FLOWING INTO THE PRIVATE ENTRANCE.

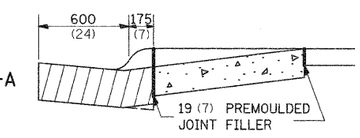


NO SIDEWALK EXISTING SIDEWALK



NEW SIDEWALK

SECTION A-A

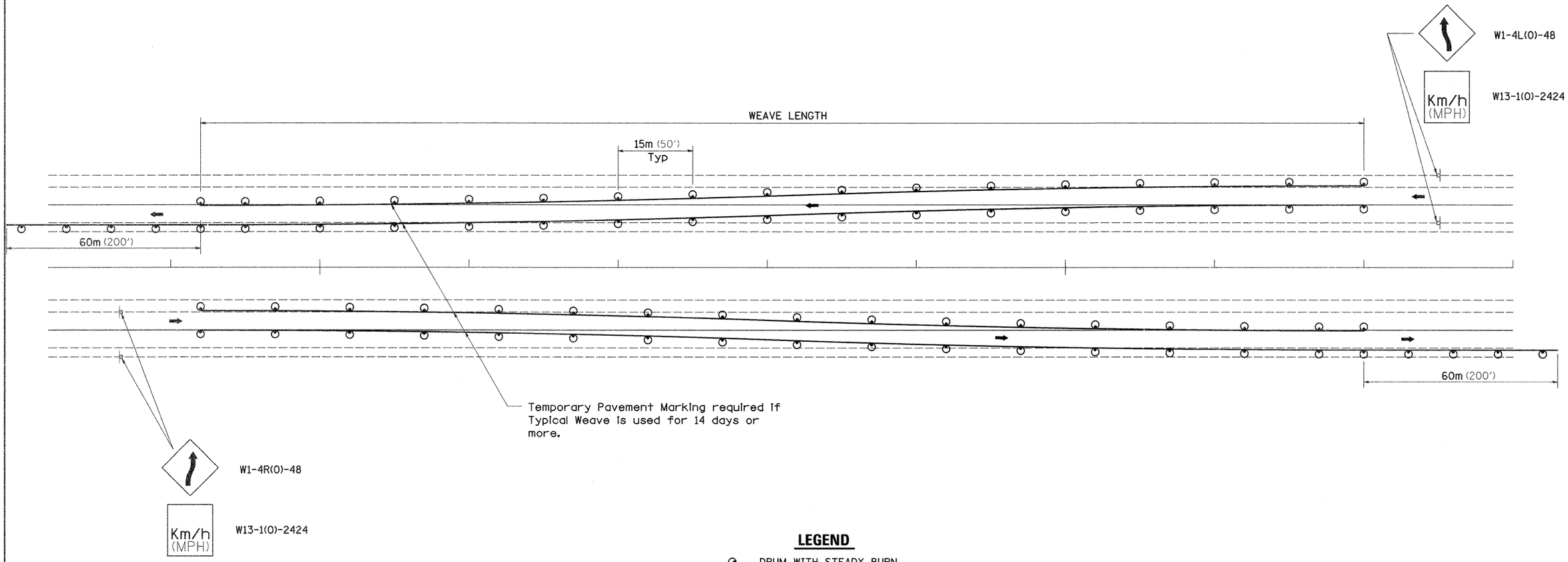


THE VARIABLE HEIGHT INTEGRAL CURB AND PREMOULDED JOINT FILLER WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF DRIVEWAY PAVEMENT OF THE THICKNESS SPECIFIED.

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

FILE NAME = c:\pw_work\pwidot\cushmanbw\d0117386\D202808-details.dgn	USER NAME = cushmanbw	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.
		DRAWN -	REVISED -			301	31T	JO DAVIESS	160	62
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -			CONTRACT NO. 64D92				
	PLOT DATE = Wed Dec 09 12:08:01 2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL TYPICAL WEAVE



LEGEND

- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- SIGN ON PERMANENT MOUNT

DESIGNER NOTE:

1. USE ON LONG 4-LANE PROJECTS WHERE THE CONTRACTOR MAY CHANGE A PORTION OF THE WORK TO THE OPPOSITE LANE.
2. USE WHERE THE PROJECT IS ADJACENT TO ANOTHER AND THE CONTRACTOR COULD BE WORKING ON DIFFERENT LANES.
3. TEMPORARY PAVEMENT MARKING SHALL BE USED WHEN TYPICAL WEAVE IS USED FOR 14 DAYS OR MORE.
4. TRAFFIC CONTROL TYPICAL WEAVE SHALL BE INCLUDED IN THE COST OF THE SPECIFIC TRAFFIC CONTROL STANDARDS OF ITEMS.

STANDARD WEAVE CONDITIONS FOR DIFFERENT SPEED LIMITS

POSTED SPEED LIMIT	ADVISORY SPEED LIMIT	WEAVE LENGTH
110 Km/h (65 MPH)	80 Km/h (45 MPH)	240m (780 FT.)
90 Km/h (55 MPH)	60 Km/h (35 MPH)	200m (660 FT.)
80 Km/h (45 MPH)	40 Km/h (25 MPH)	165m (540 FT.)

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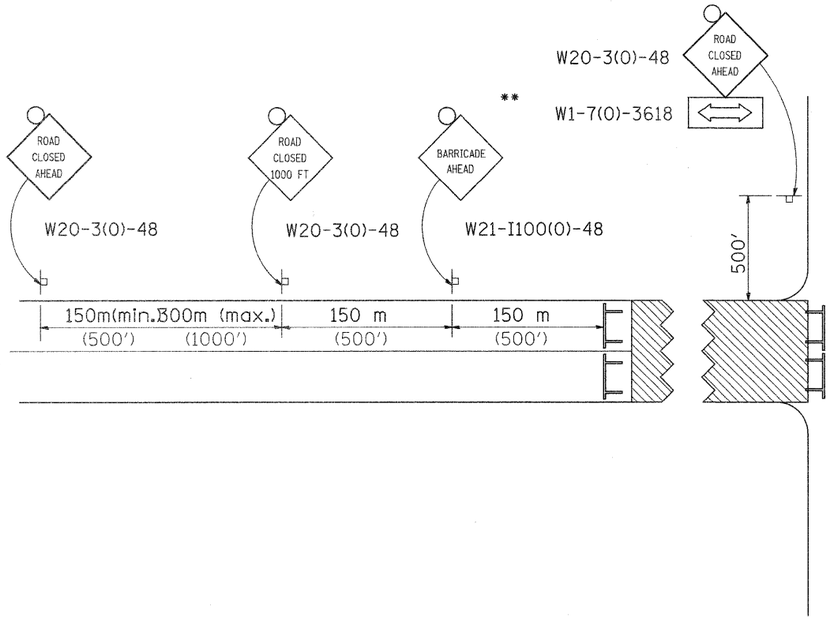
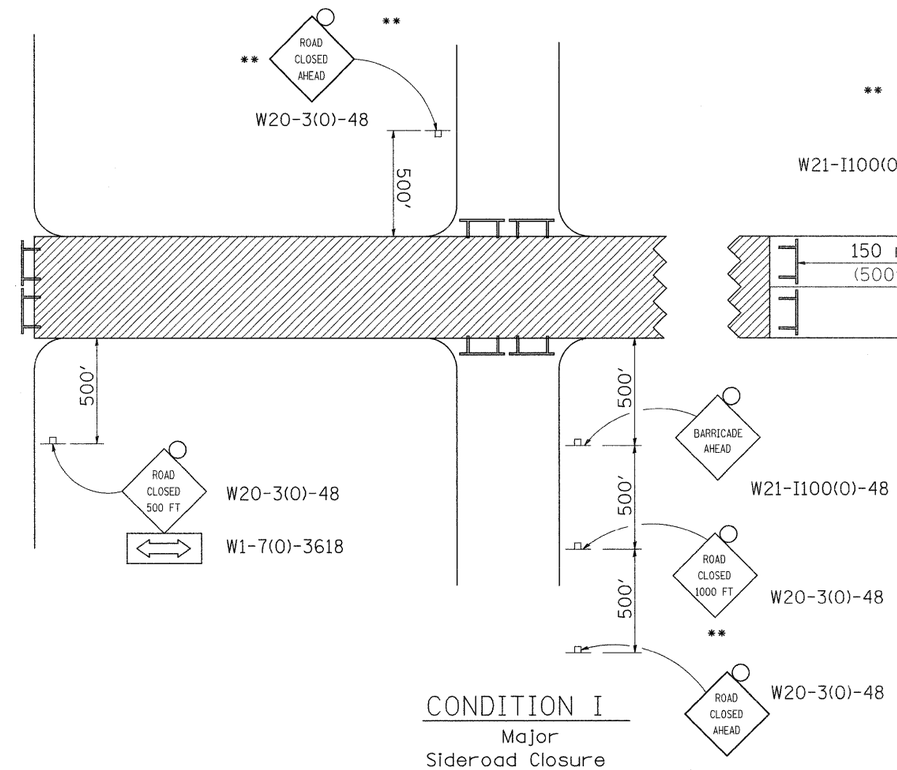
TRAFFIC CONTROL FOR ROAD CLOSURE



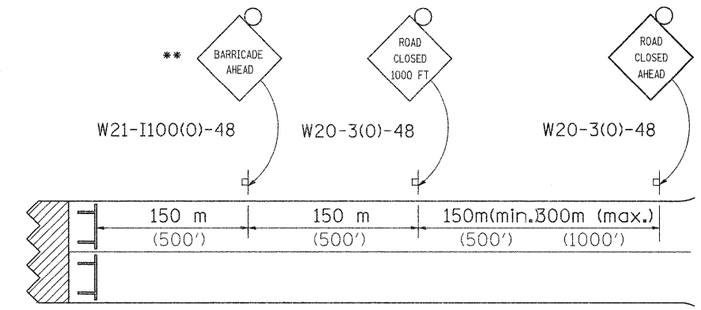
CONDITION II

Minor
Sideroad Closure



CONDITION I

Major
Sideroad Closure



GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

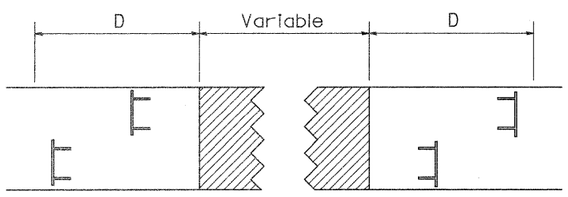
When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

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 = c:\pw_work\pwidot\cushmanbw\d0117386\D202808-details.dgn	USER NAME = cushmanbw	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.
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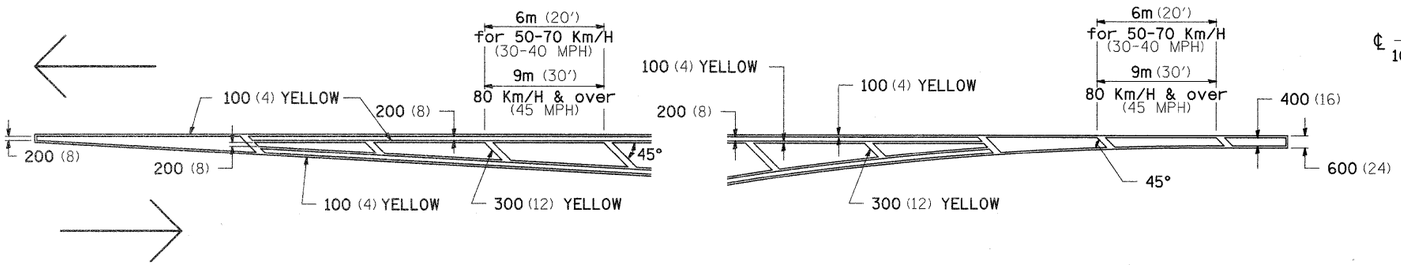
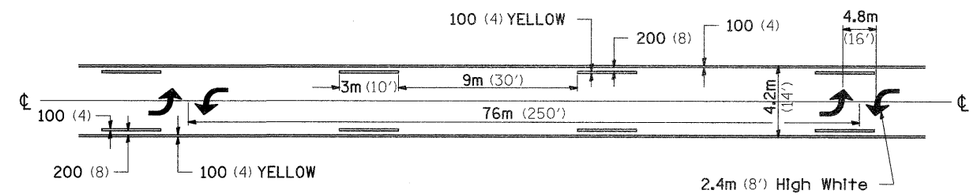
TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

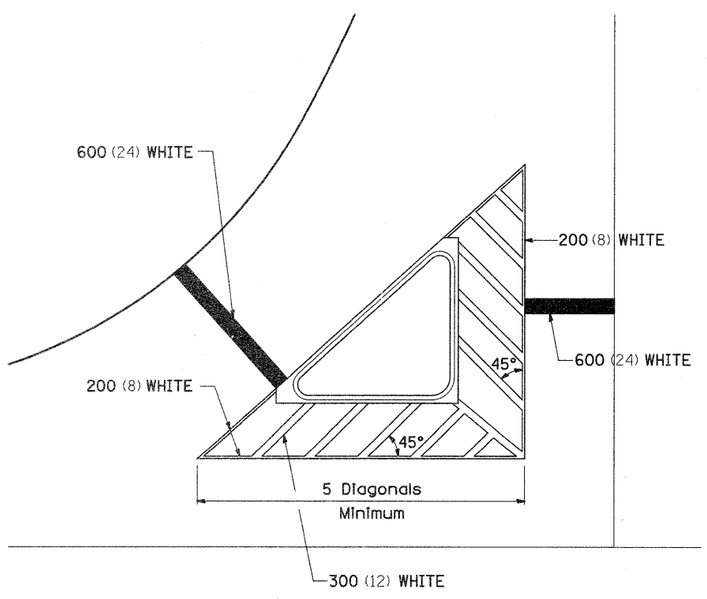


MEDIAN PAVEMENT MARKING

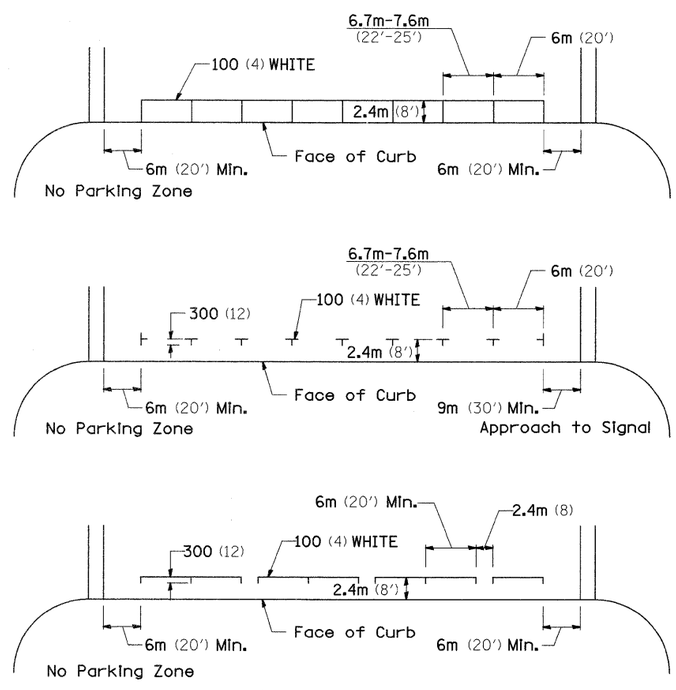


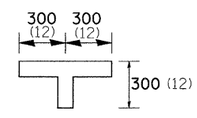
** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



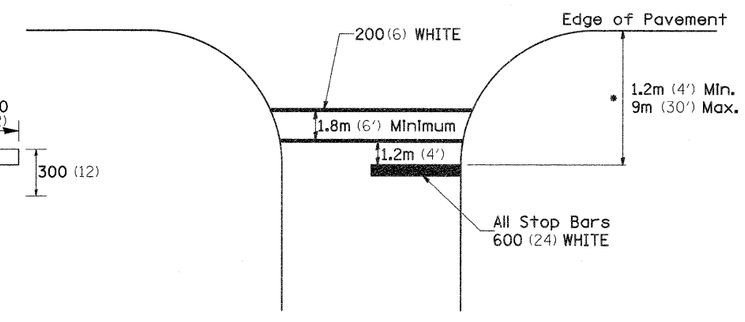
TYPICAL PARKING SPACING





STANDARD CROSSWALK MARKING

See Schedules for Locations



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

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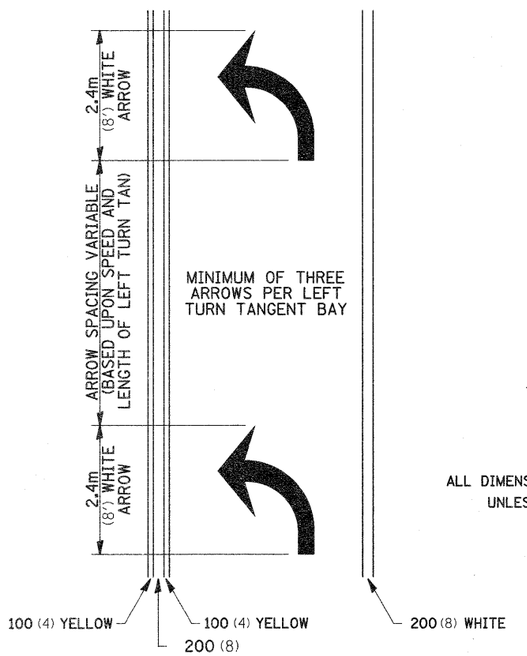
TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

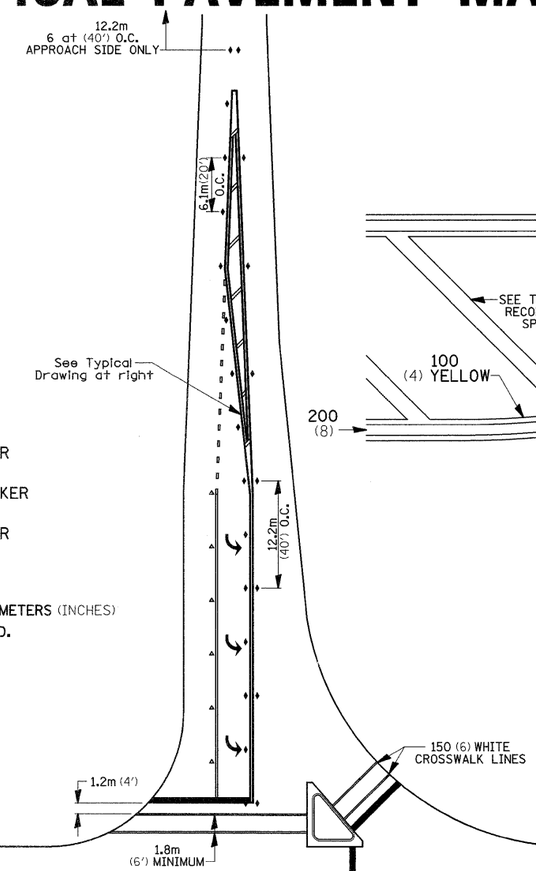


◀ ONE-WAY AMBER MARKER

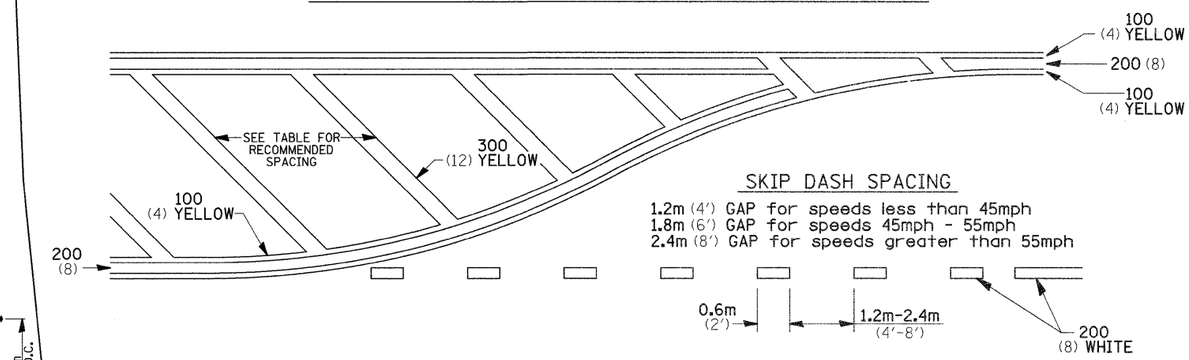
◁ ONE-WAY CRYSTAL MARKER

◆ TWO-WAY AMBER MARKER

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



TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



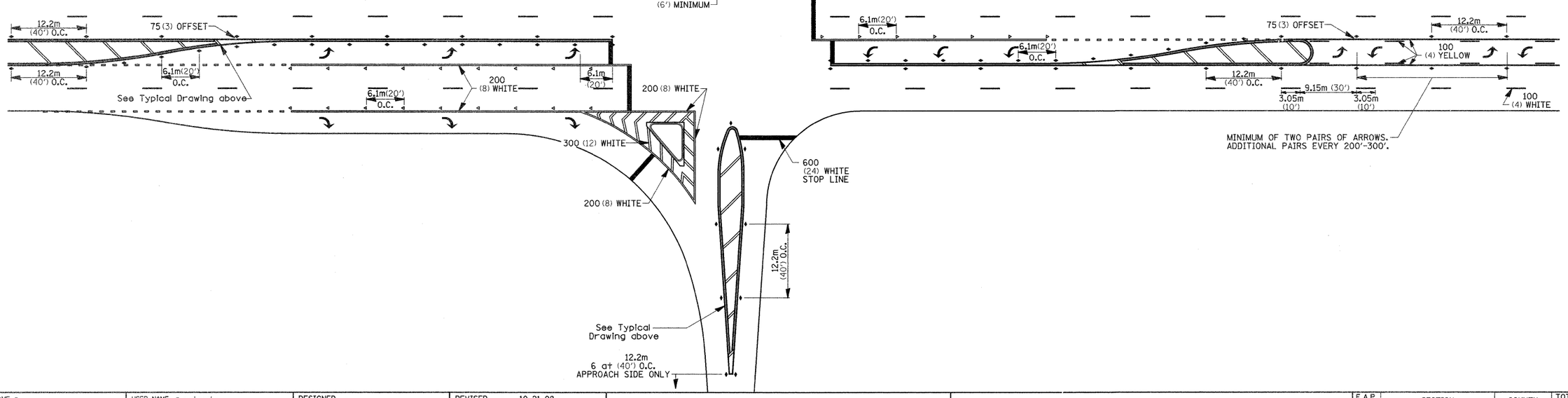
SKIP DASH SPACING

1.2m (4') GAP for speeds less than 45mph
1.8m (6') GAP for speeds 45mph - 55mph
2.4m (8') GAP for speeds greater than 55mph

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.



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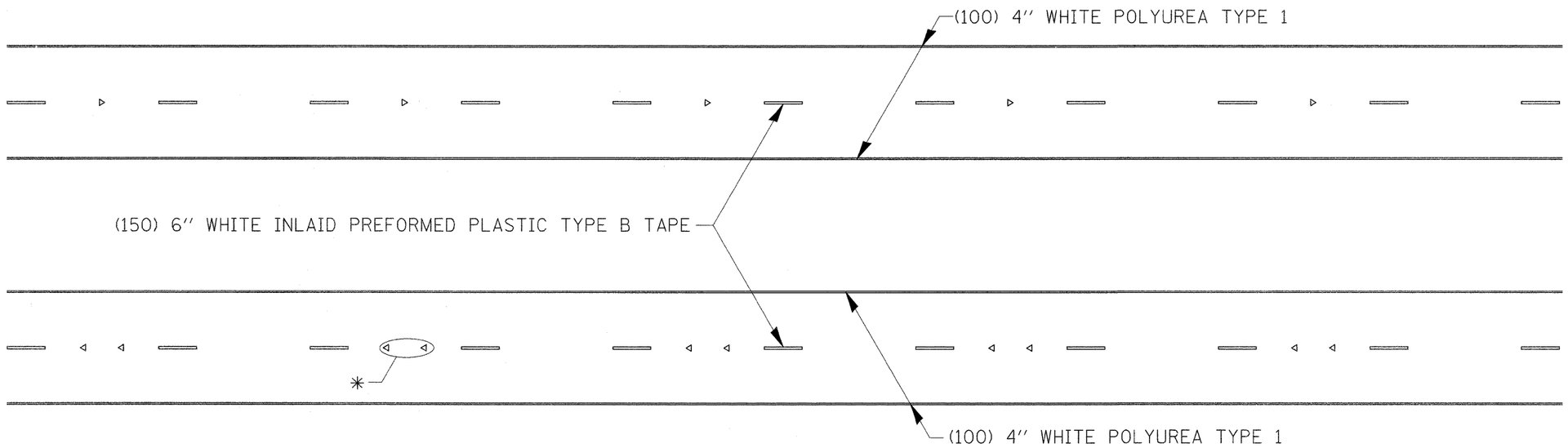
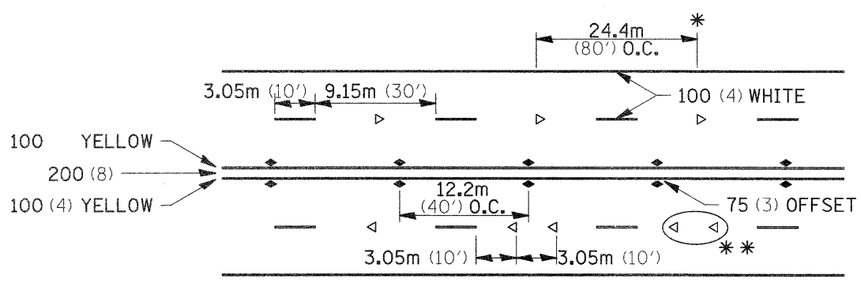
TYPICAL PAVEMENT MARKINGS



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

MULTI–LANE / DIVIDED



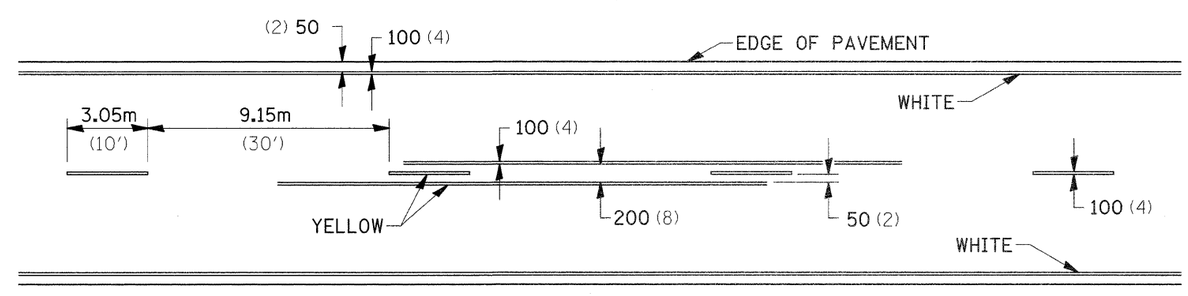
SYMBOLS

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

** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI–LANE / UNDIVIDED

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



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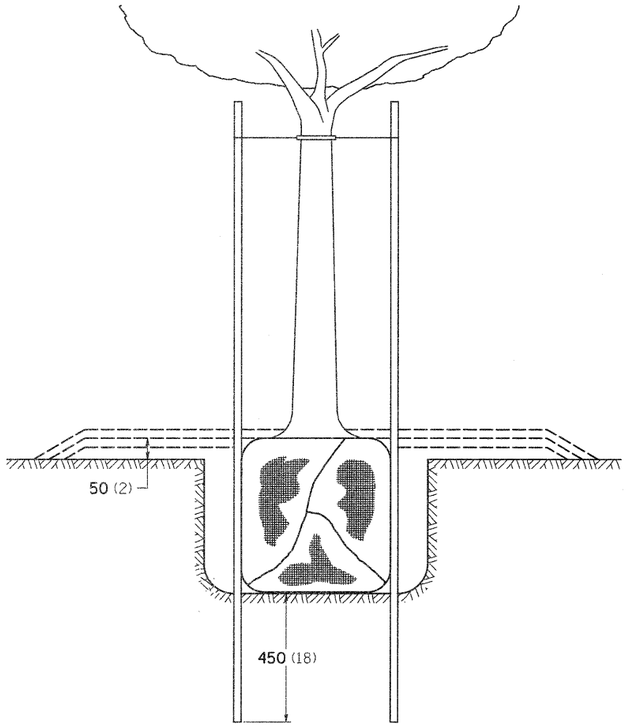
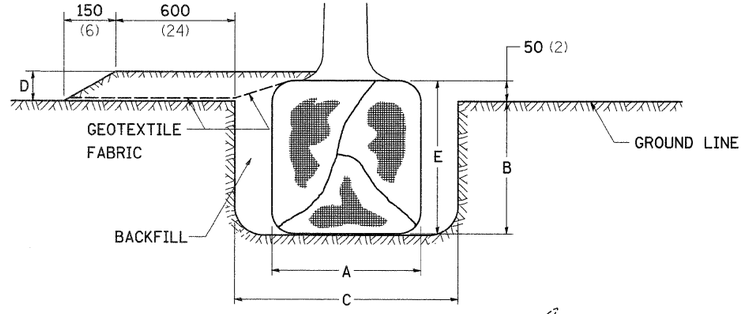
DETAILS OF PLANTING AND BRACING TREES

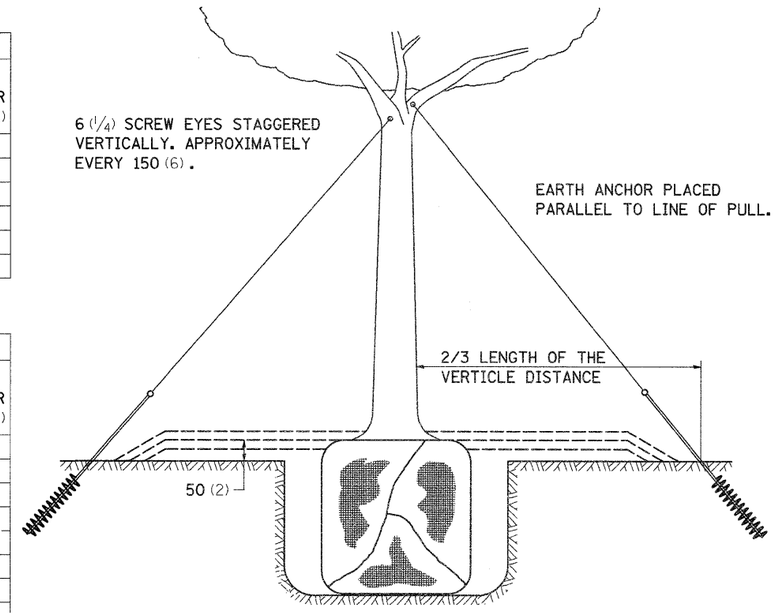


TREES SMALLER THAN 115 (4½) IN DIAMETER

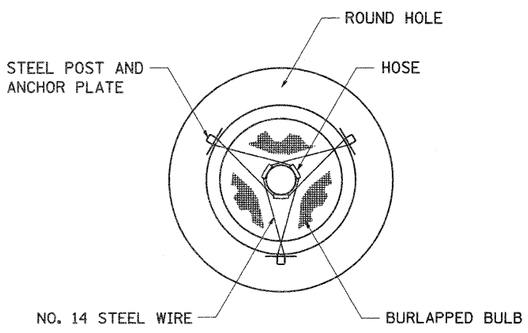
SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m^3 (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250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

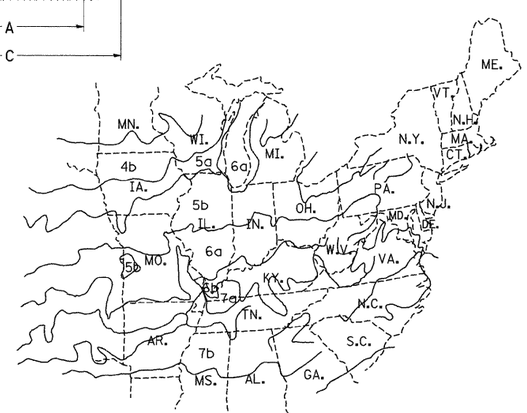
LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m^3 (CU. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-2½)BB	600 (24)	350 (14)	1200 (48)	100 (4)	400 (16)	0.60 (0.78)
65-75 (2½-3)BB	700 (28)	425 (17)	1200 (48)	100 (4)	475 (19)	0.60 (0.78)
75-90 (3-3½) BB	800 (32)	425 (17)	1500 (60)	100 (4)	475 (19)	0.73 (0.96)
90-100 (3½-4) BB	900 (36)	500 (20)	1500 (60)	100 (4)	550 (22)	0.73 (0.96)
100-115 (4-4½) BB	1000 (40)	550 (22)	1800 (72)	100 (4)	600 (24)	0.89 (1.16)
115-125 (4½-5) BB	1100 (44)	600 (24)	1800 (72)	100 (4)	650 (26)	0.89 (1.16)
125-140 (5-5½) BB	1200 (48)	675 (27)	2100 (84)	100 (4)	725 (29)	1.06 (1.38)





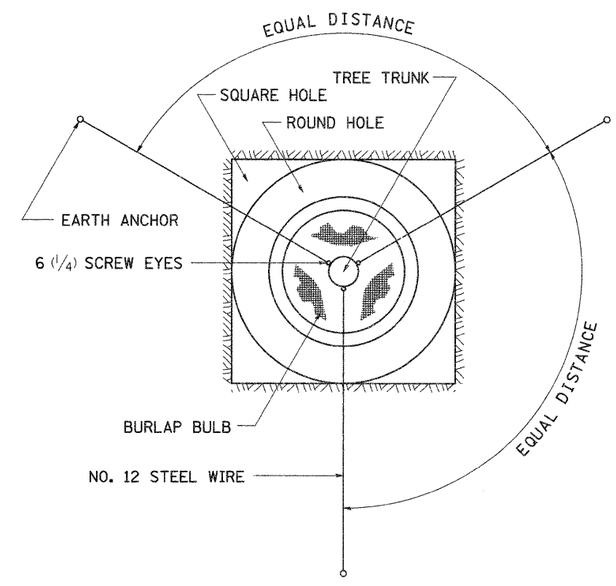
TREES OVER 115 (4½) IN DIAMETER





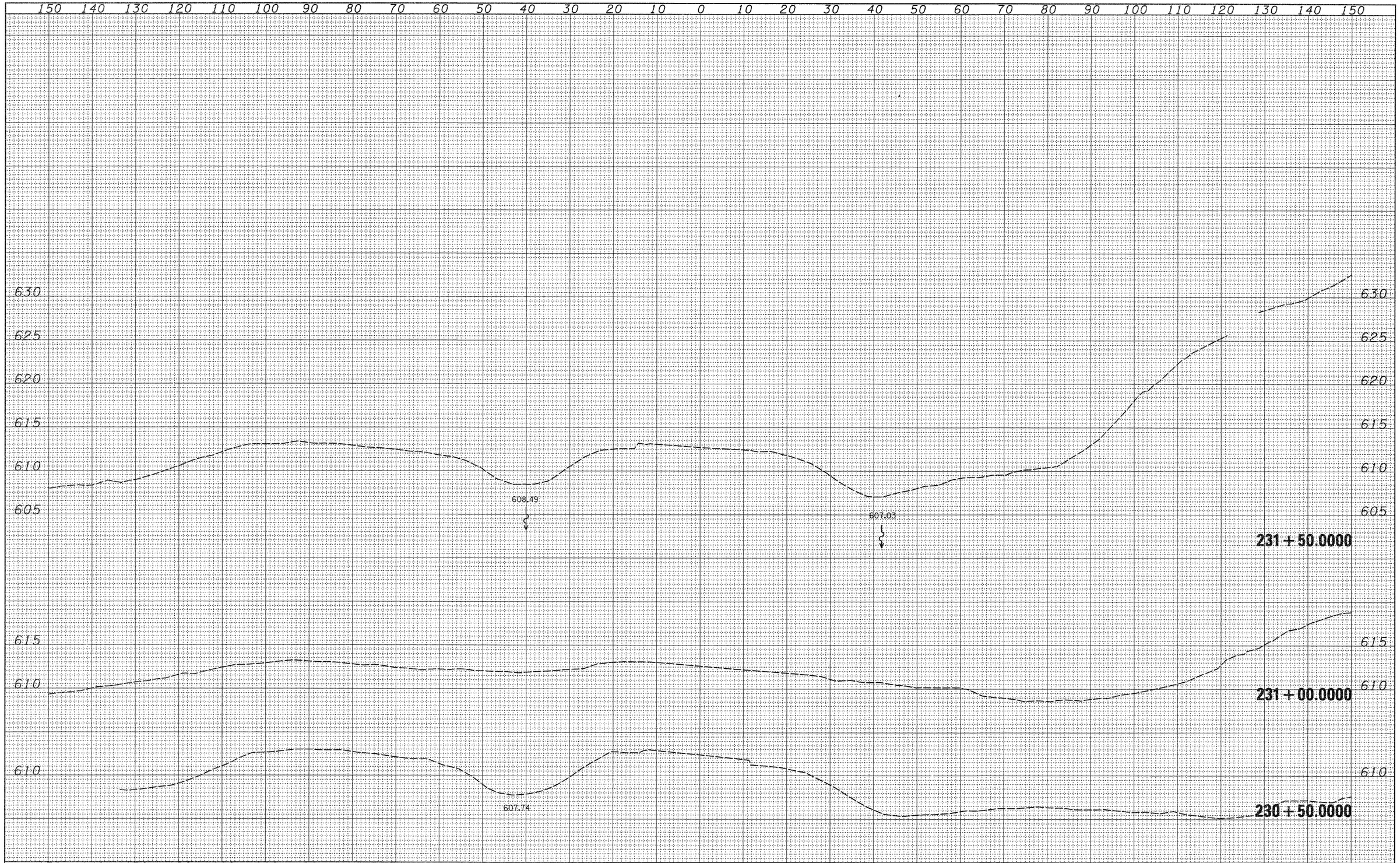
PLANT HARDINESS ZONE MAP

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



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

FILE NAME = c:\pw_work\pwidot\cushmanbw\d0117386\D222808-details.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED - 10-15-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE. 301	SECTION 31T	COUNTY JO DAVIESS	TOTAL SHEETS 160 / SHEET NO. 68
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 64D92	
	PLOT DATE = Wed Dec 09 12:07:57 2009	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



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

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

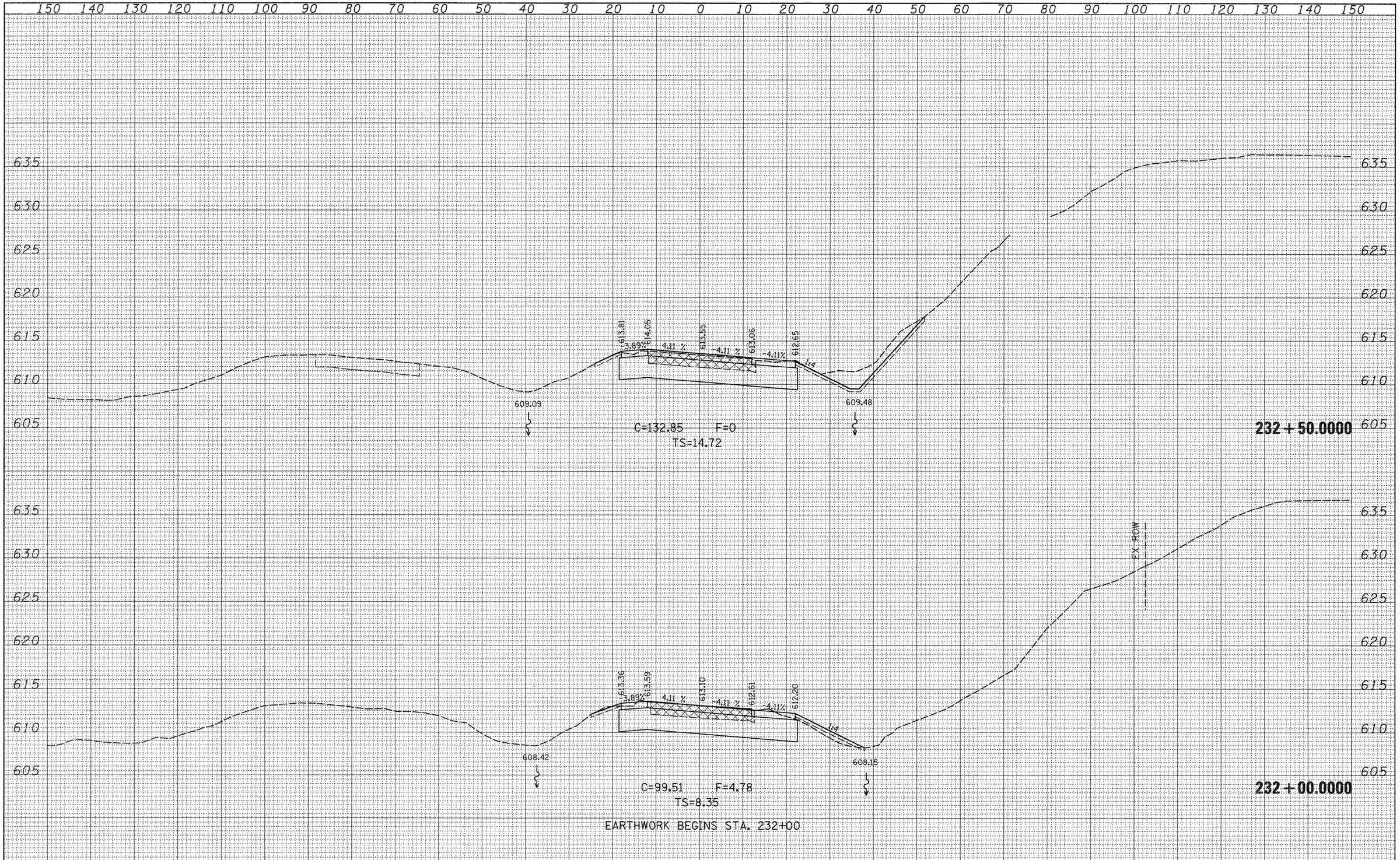
IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 230+50.0000 TO STA. 231+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	69

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT



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

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

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	PLOT DATE = Wed Dec 09 11:11:36 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

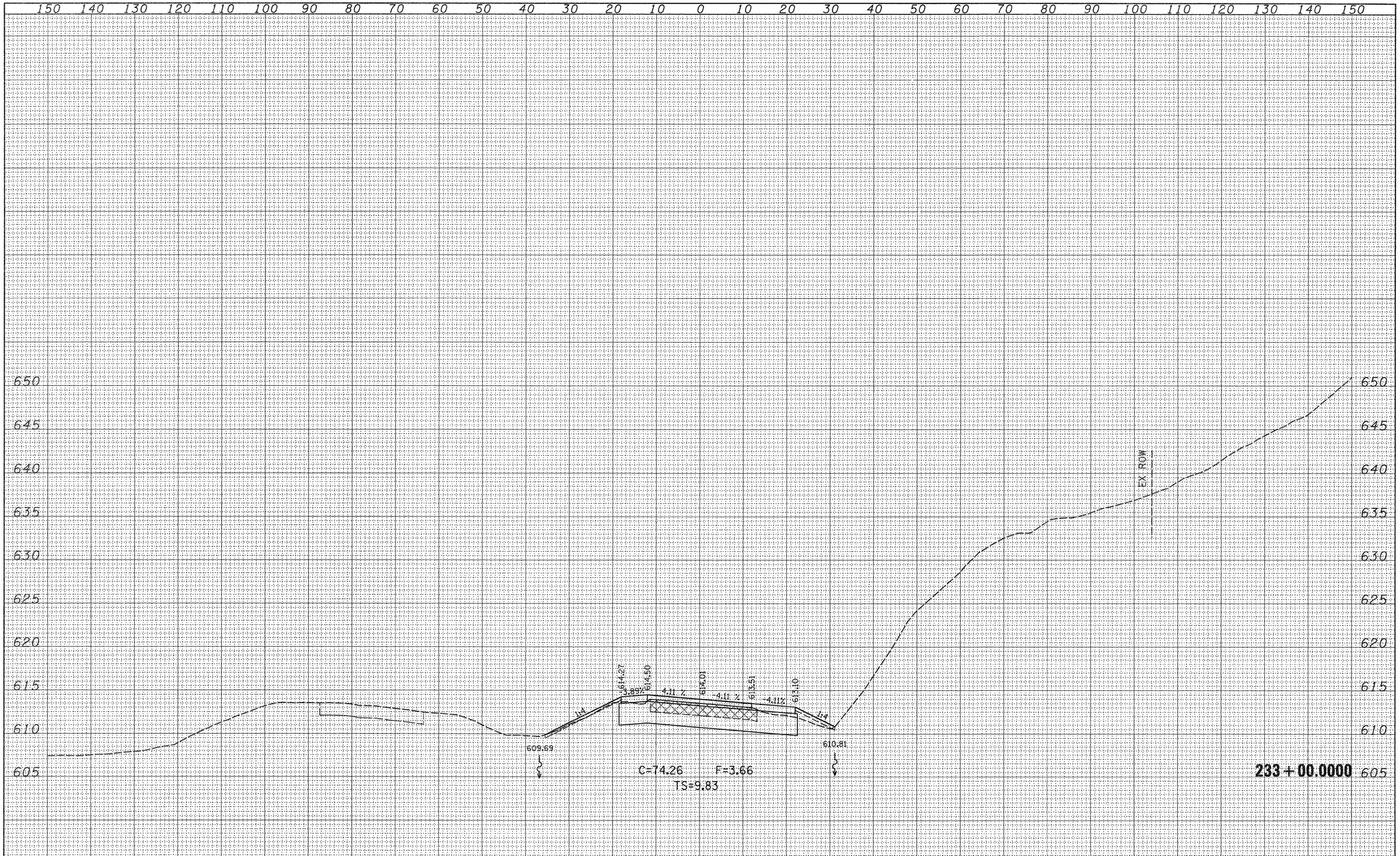
IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 232+00.0000 TO STA. 232+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	70

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT



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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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	AREAS		
NO.	AREAS CHECKED		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 233+00.0000 TO STA. 233+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	71
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		

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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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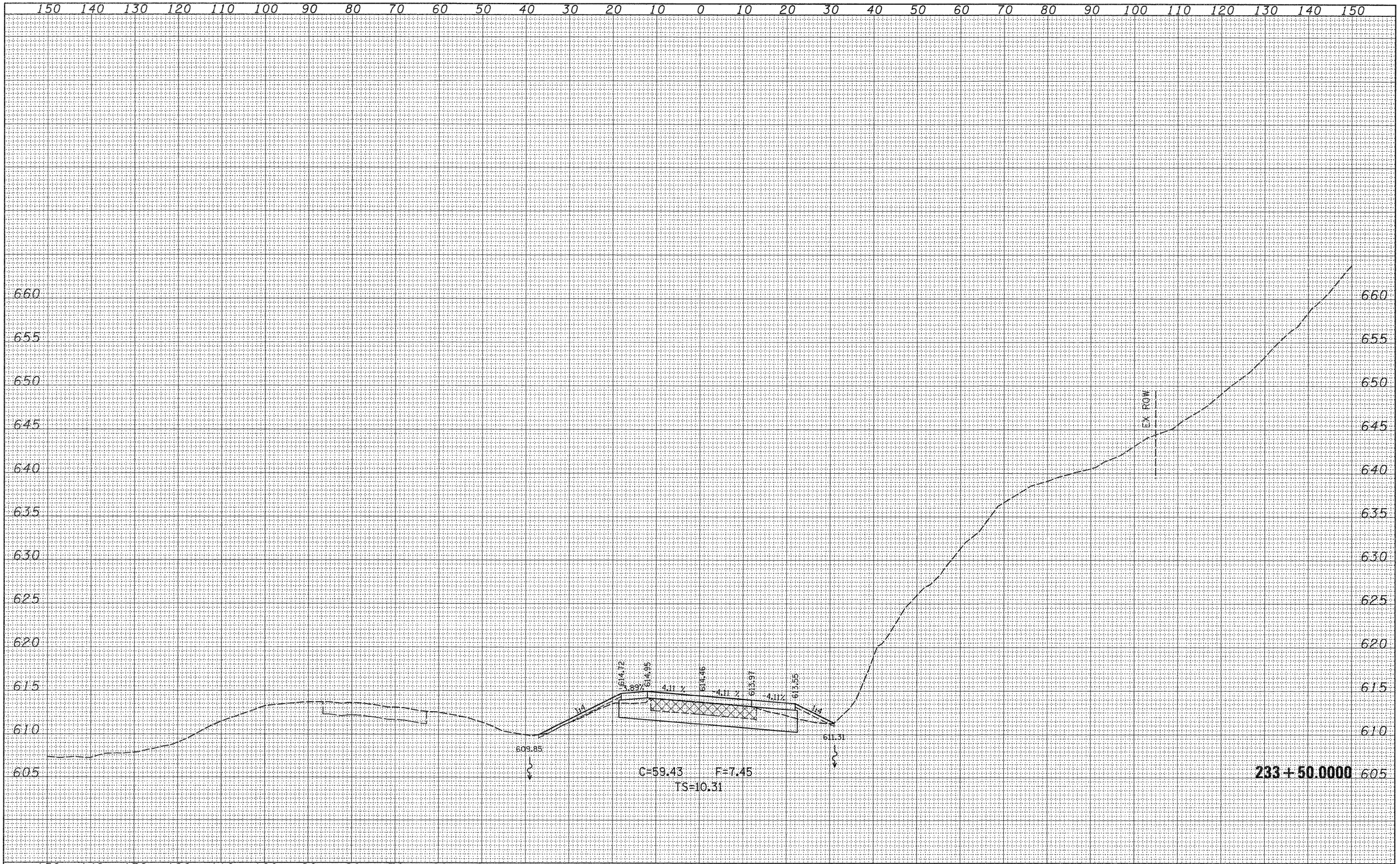
	AREAS		
NO.	AREAS CHECKED		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

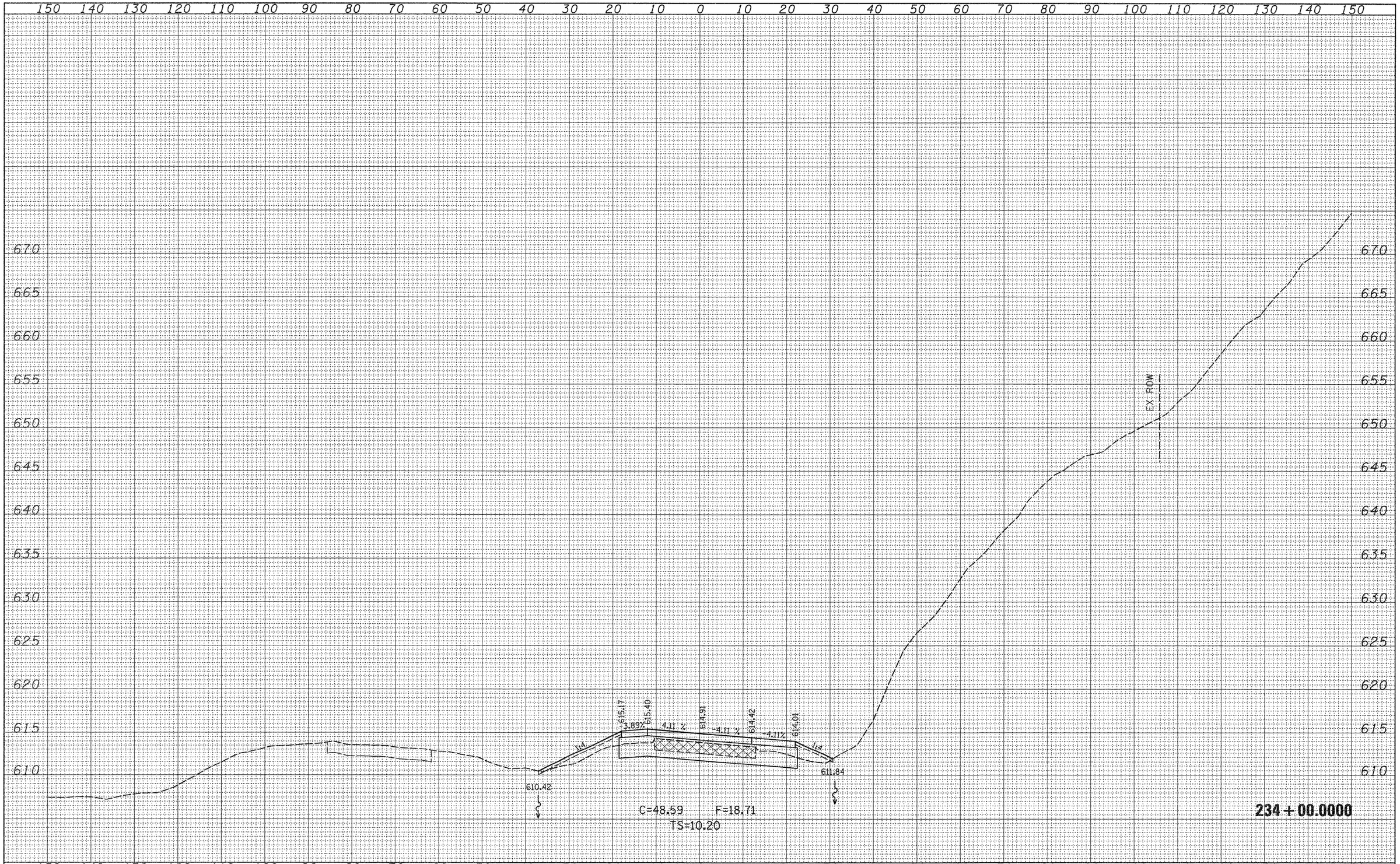
IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 233+50.0000 TO STA. 233+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	72

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT



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

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

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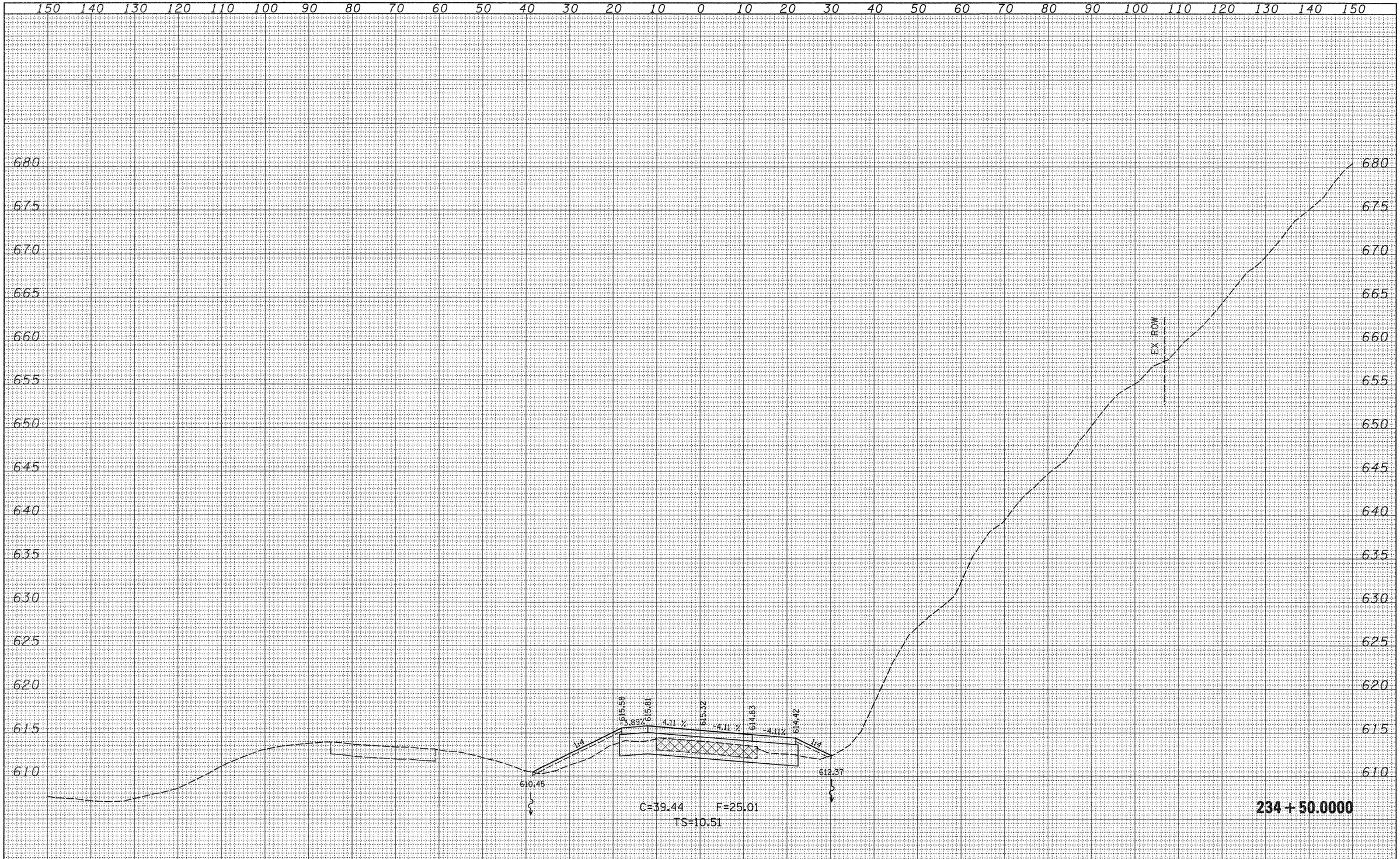
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 234+00.0000 TO STA. 234+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	73
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		



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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
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FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-sht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

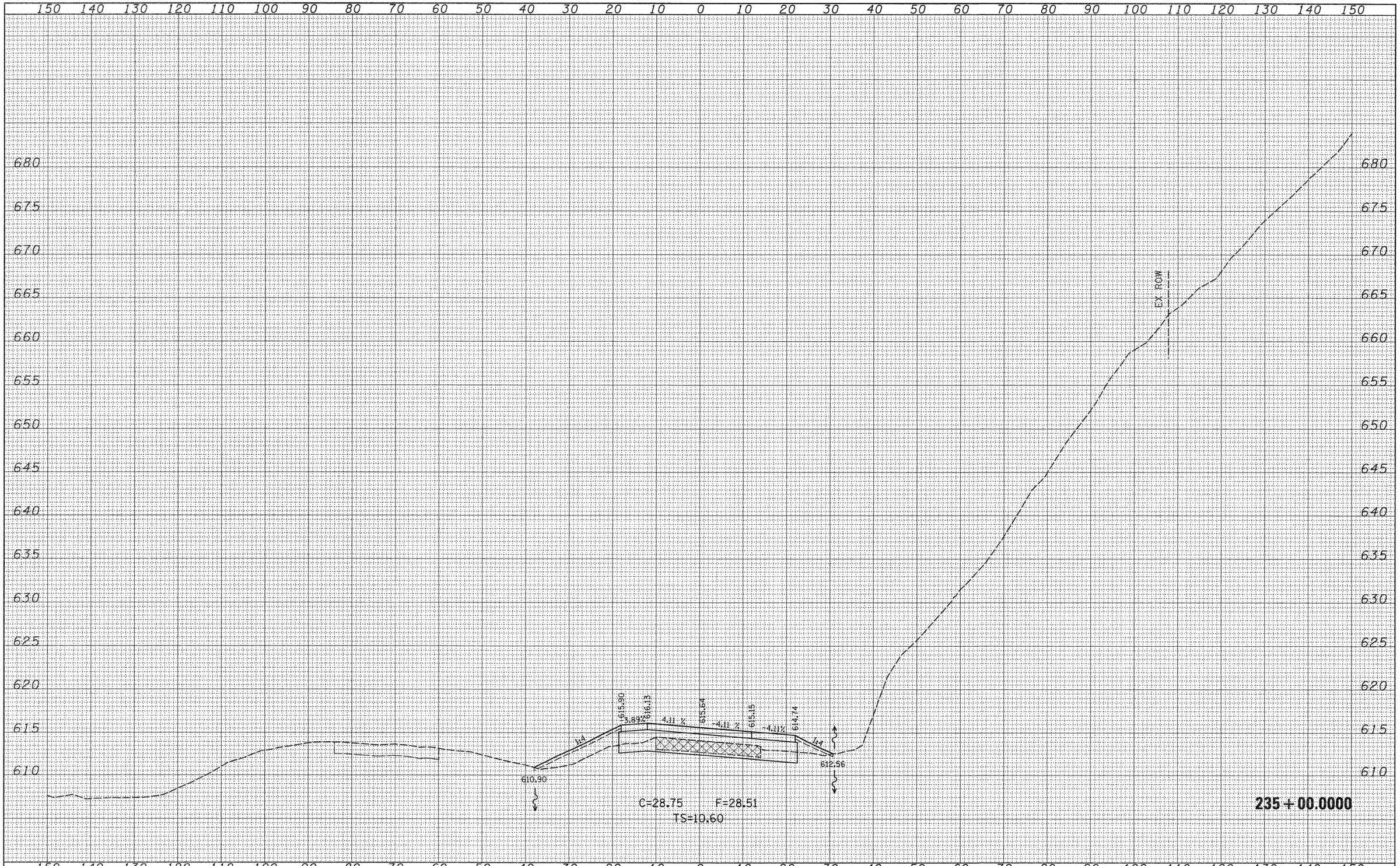
IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 234+50.0000 TO STA. 234+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	74

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT



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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
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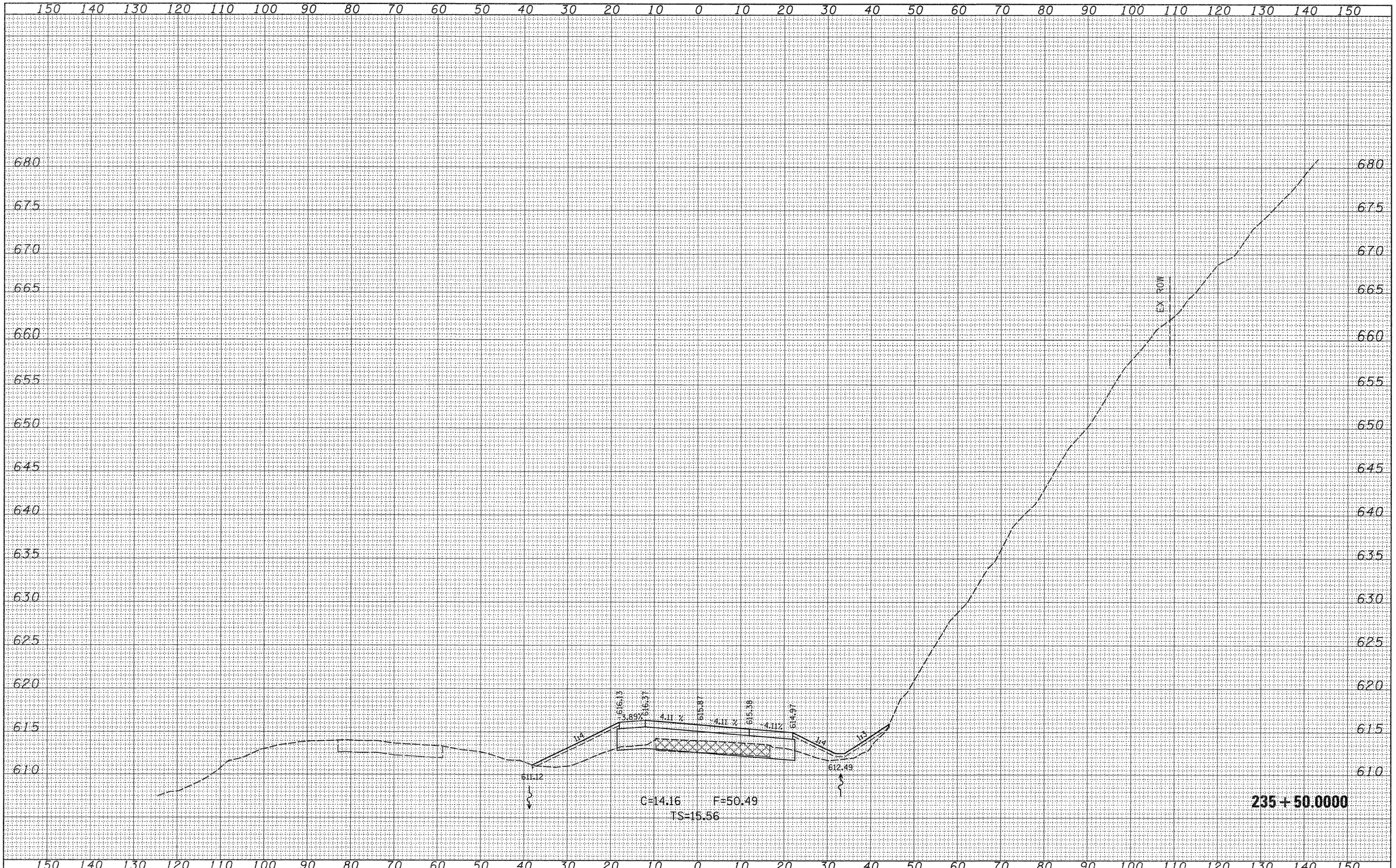
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 235+00.0000 TO STA. 235+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	75
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		



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SURVEYED		
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NOTE BOOK TEMPLATE		
AREAS		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
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NOTE BOOK TEMPLATE		
AREAS		
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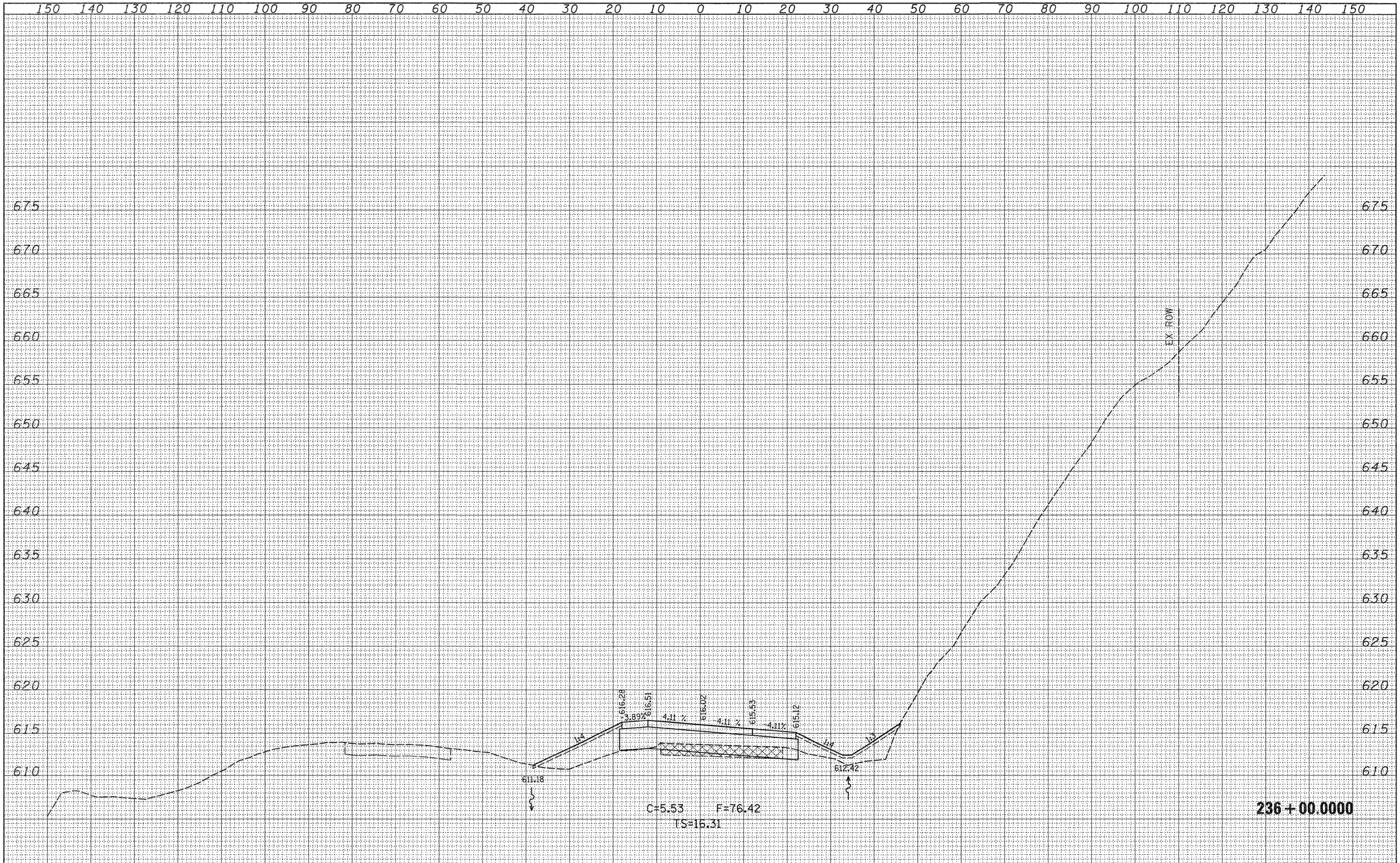
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 235+50.0000 TO STA. 235+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	76
		CONTRACT NO. 64D92		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	BY	DATE
SURVEYED		
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AREAS		
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ORIGINAL SURVEY	BY	DATE
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

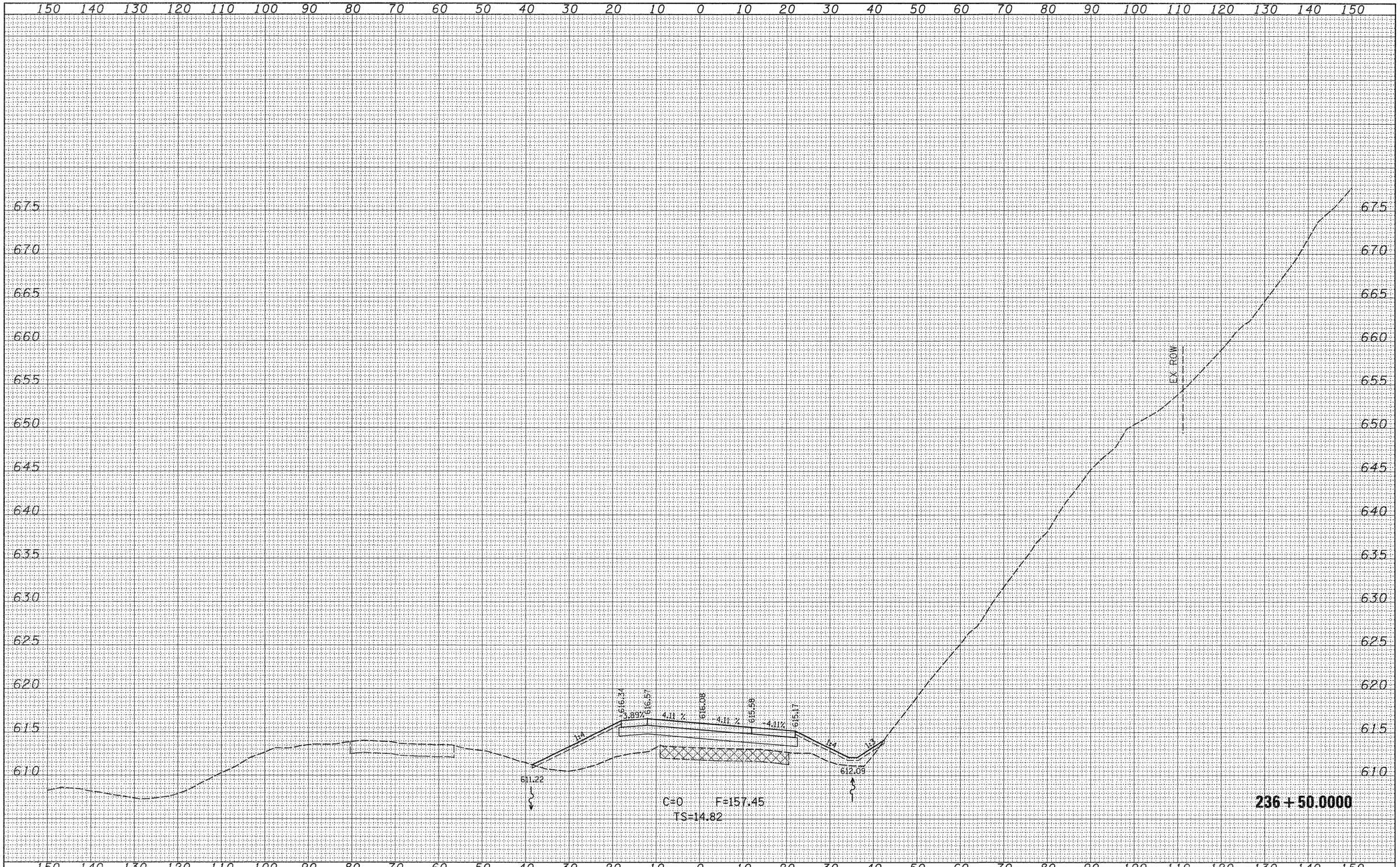
IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 236+00.0000 TO STA. 236+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	77

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT



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SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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AREAS		
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NOTE BOOK NO.		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

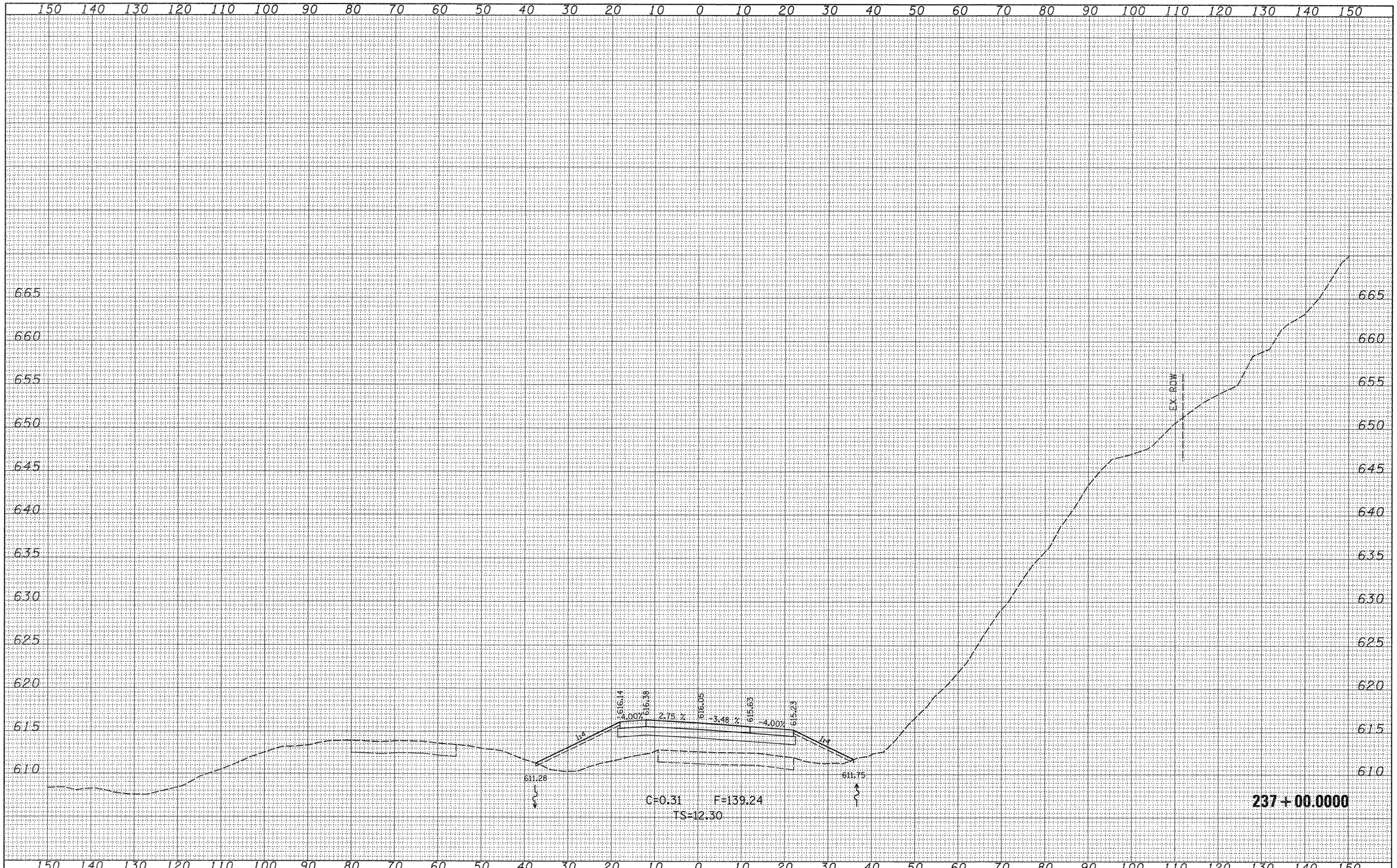
IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 236+50.0000 TO STA. 236+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	78

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT



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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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AREAS		
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NOTE BOOK NO.		

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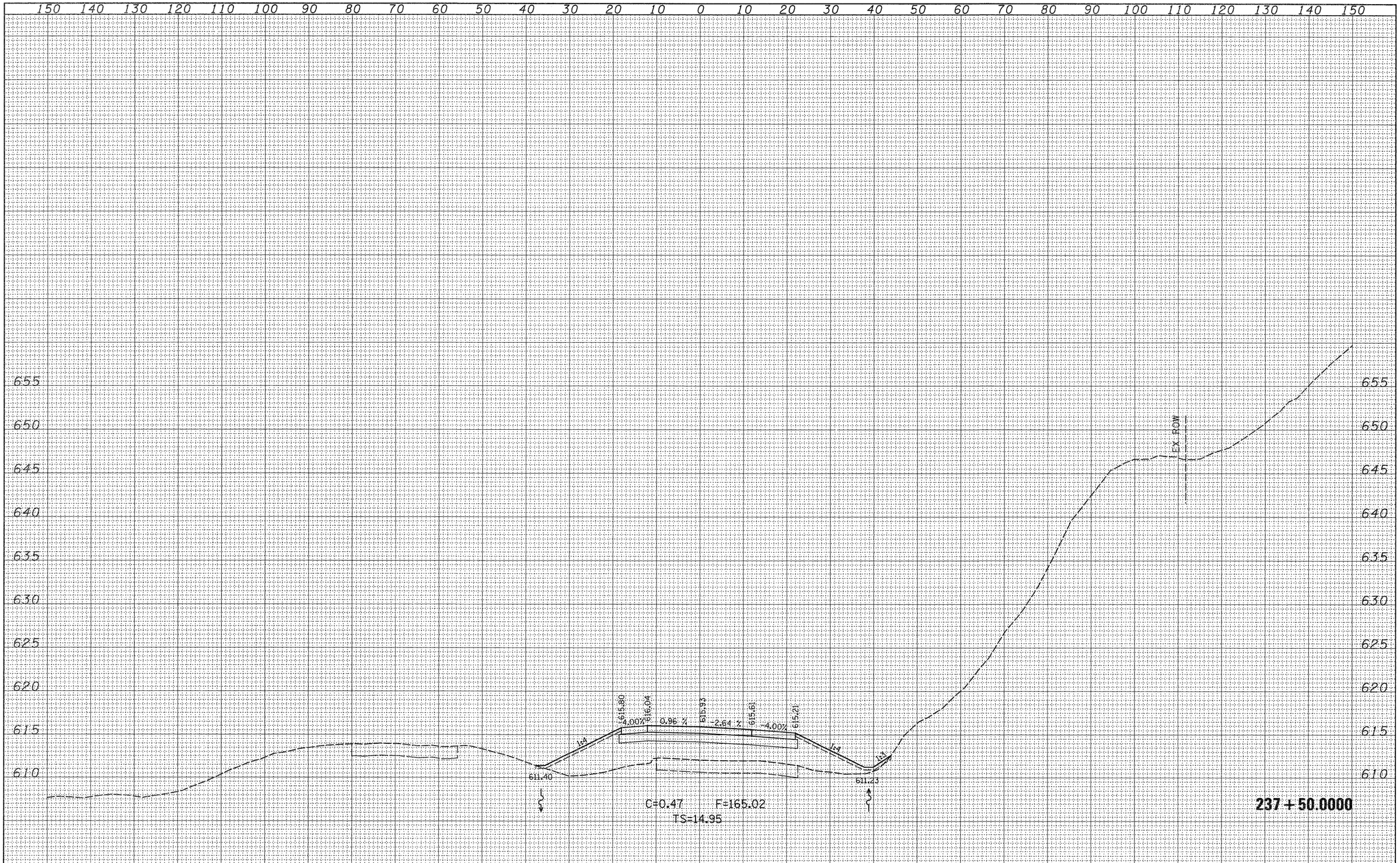
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 237+00.0000 TO STA. 237+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	79
		CONTRACT NO. 64D92		
		ILLINOIS	FED. AID PROJECT	



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PLOTTED		
TEMPLATE		
AREAS		
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NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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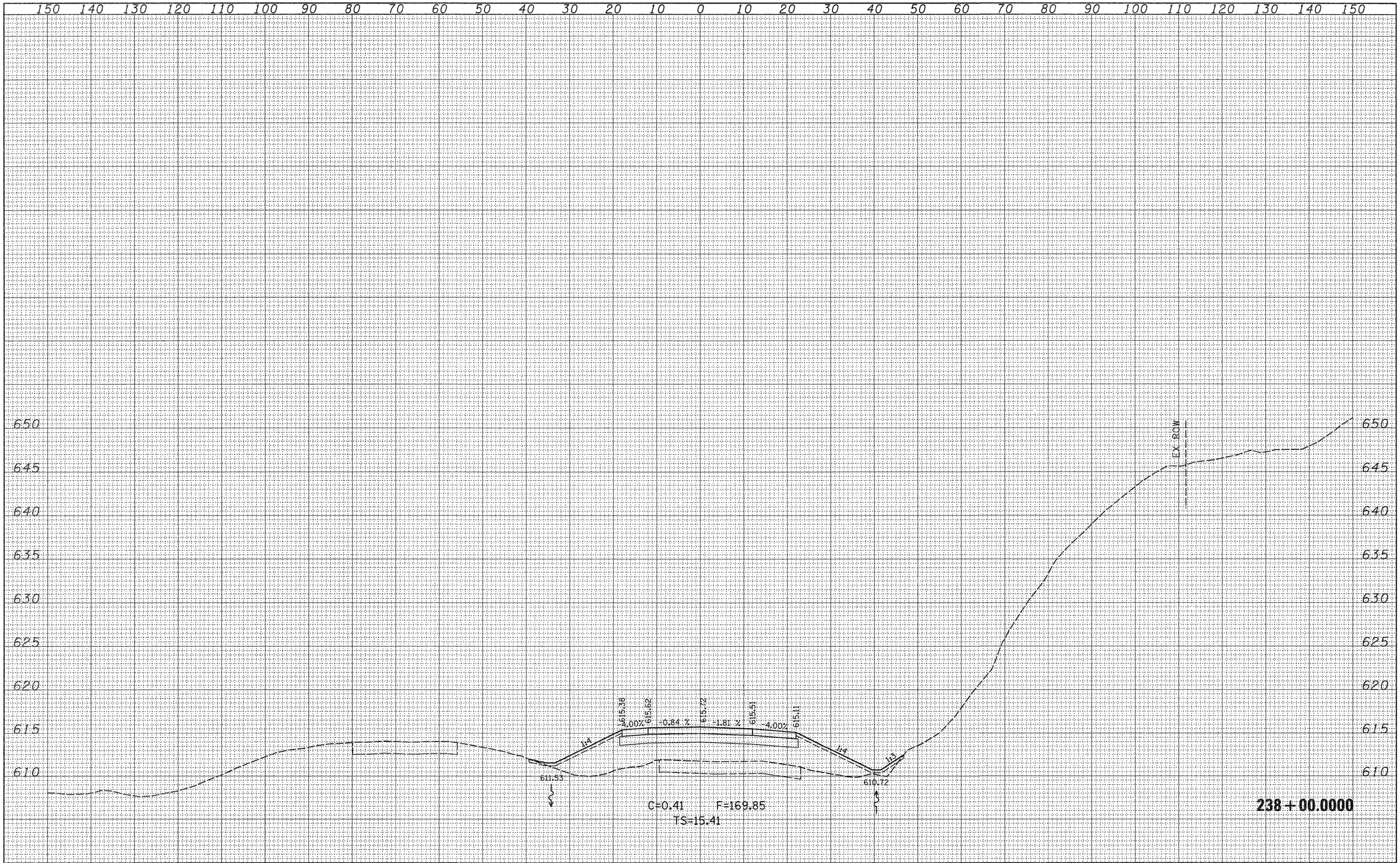
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 237+50.0000 TO STA. 237+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	80
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		



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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
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AREAS		
AREAS CHECKED		
NOTE BOOK		
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 238+00.0000 TO STA. 238+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	81

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT

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

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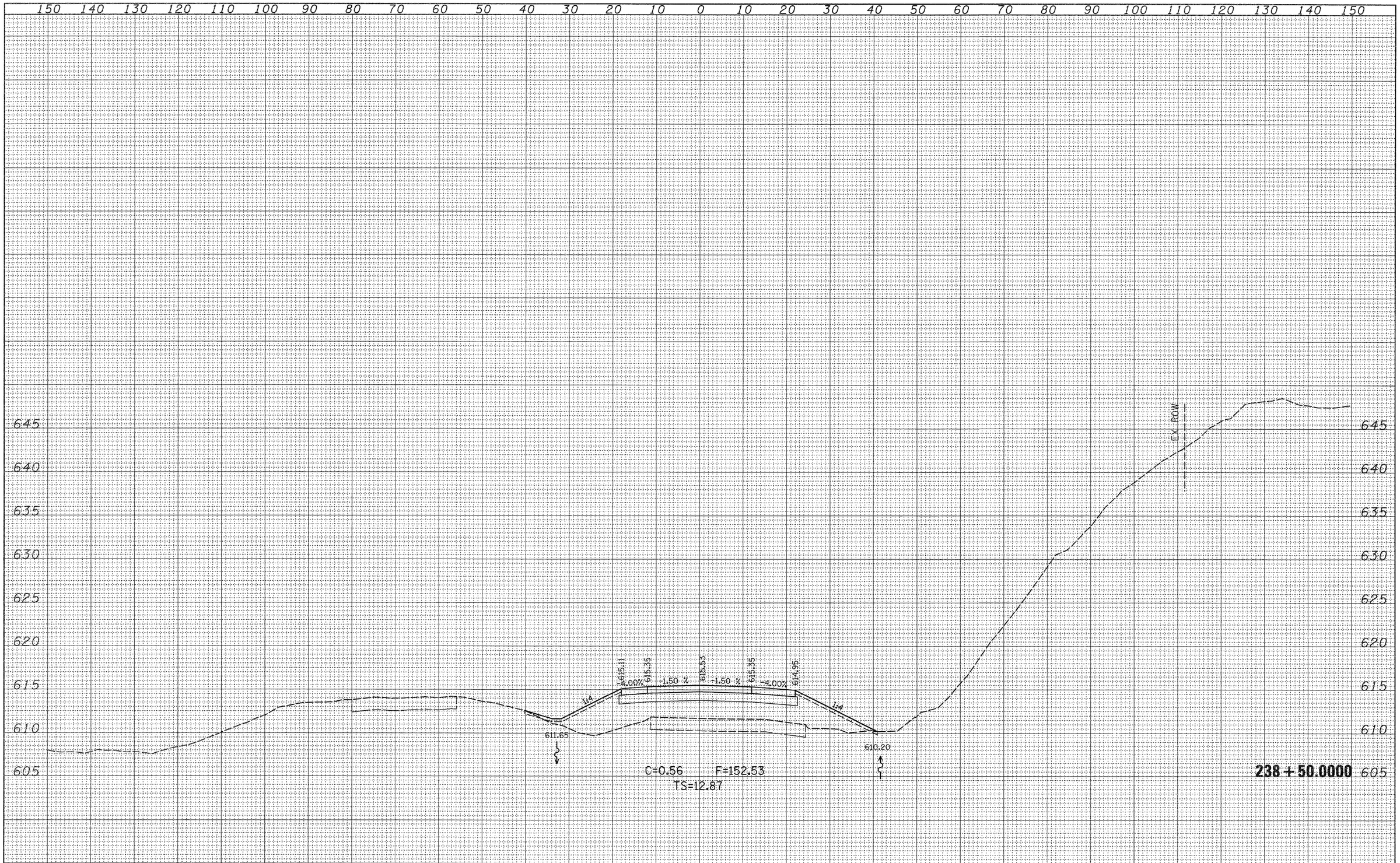
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

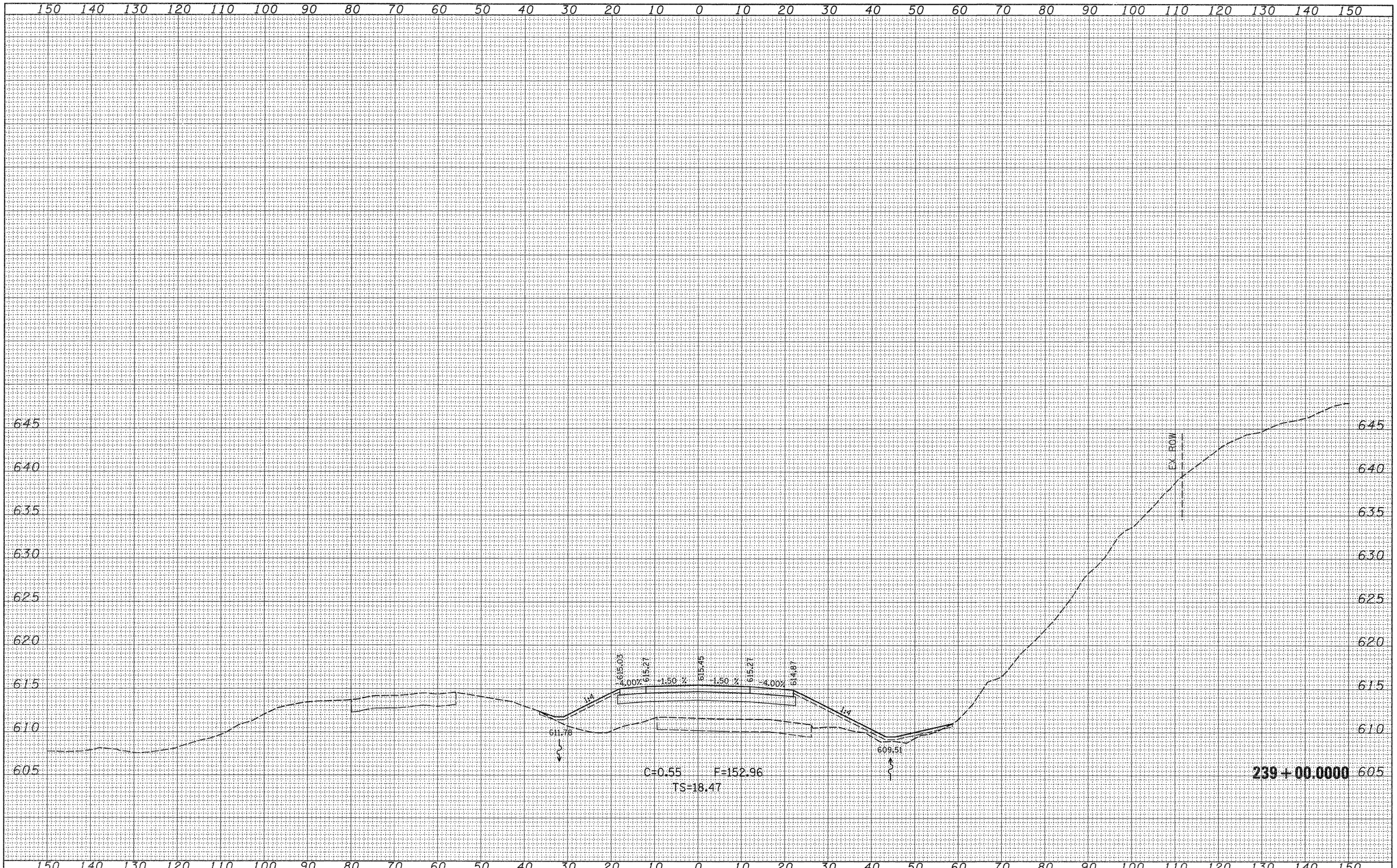
IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 238+50.0000 TO STA. 238+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	82

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT



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

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

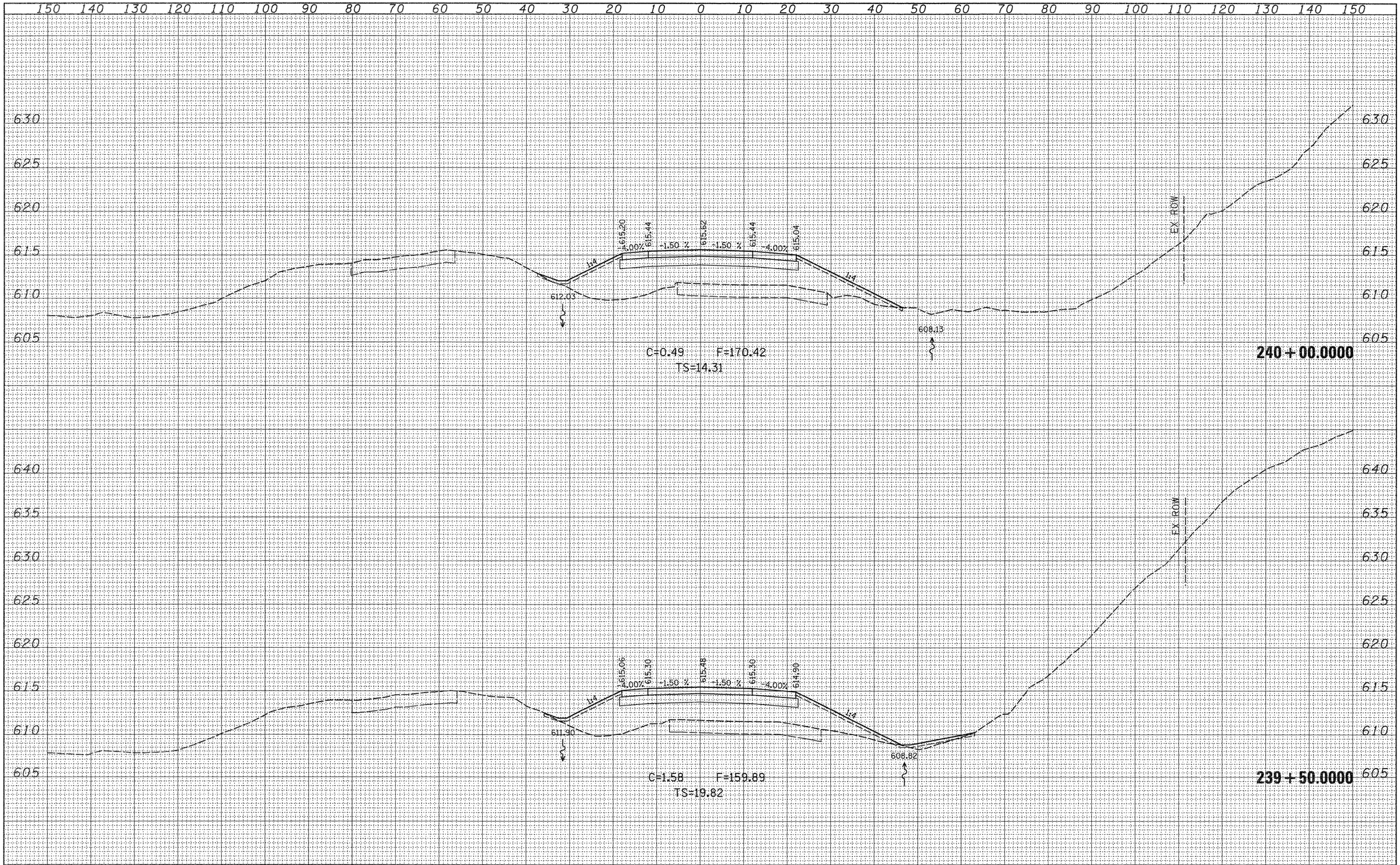
IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 239+00.0000 TO STA. 239+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	83

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT



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

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

FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d2117386\D202808-sht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:44 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

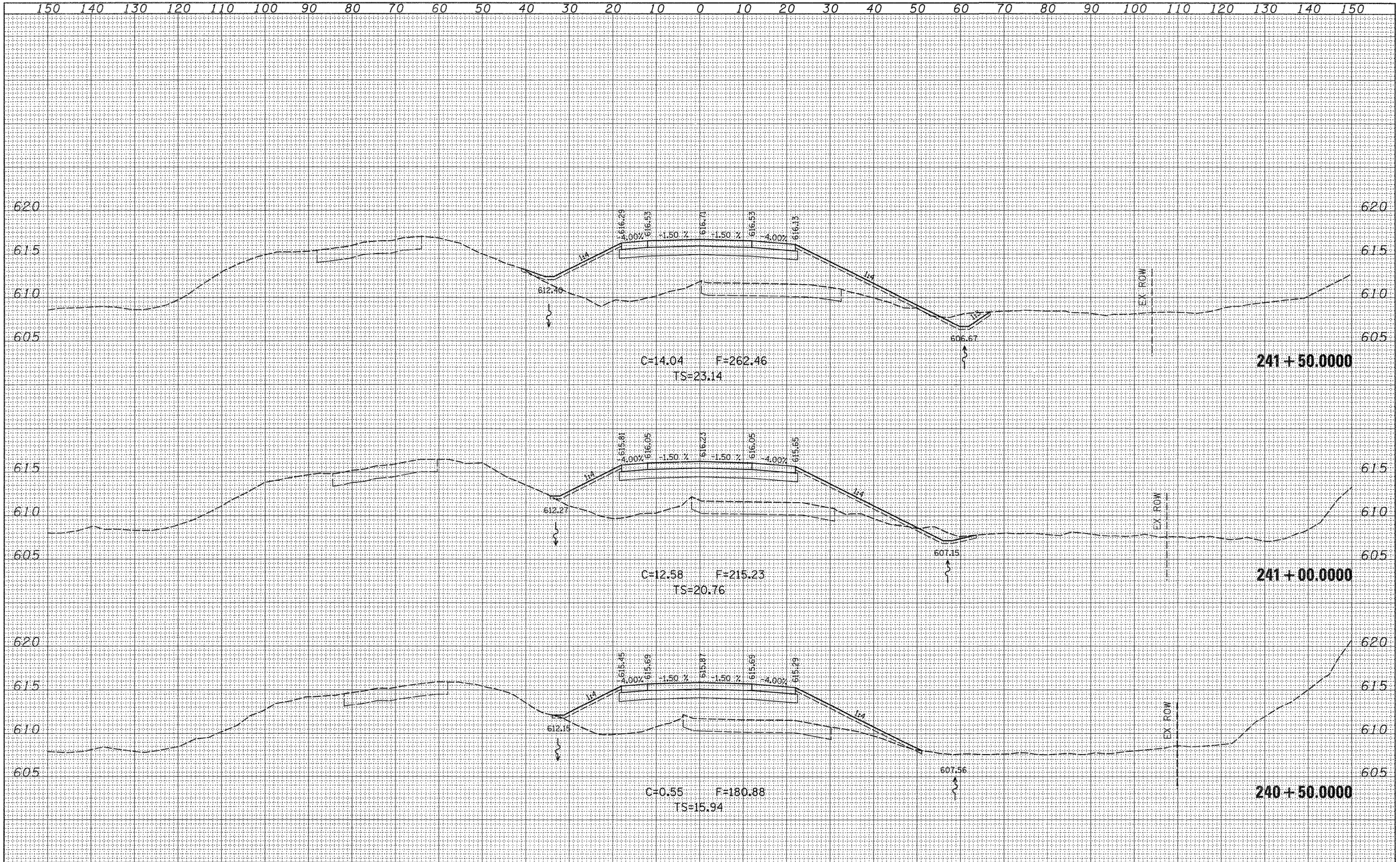
IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 239+50.0000 TO STA. 240+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	84

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT



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

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

FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-sht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:45 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

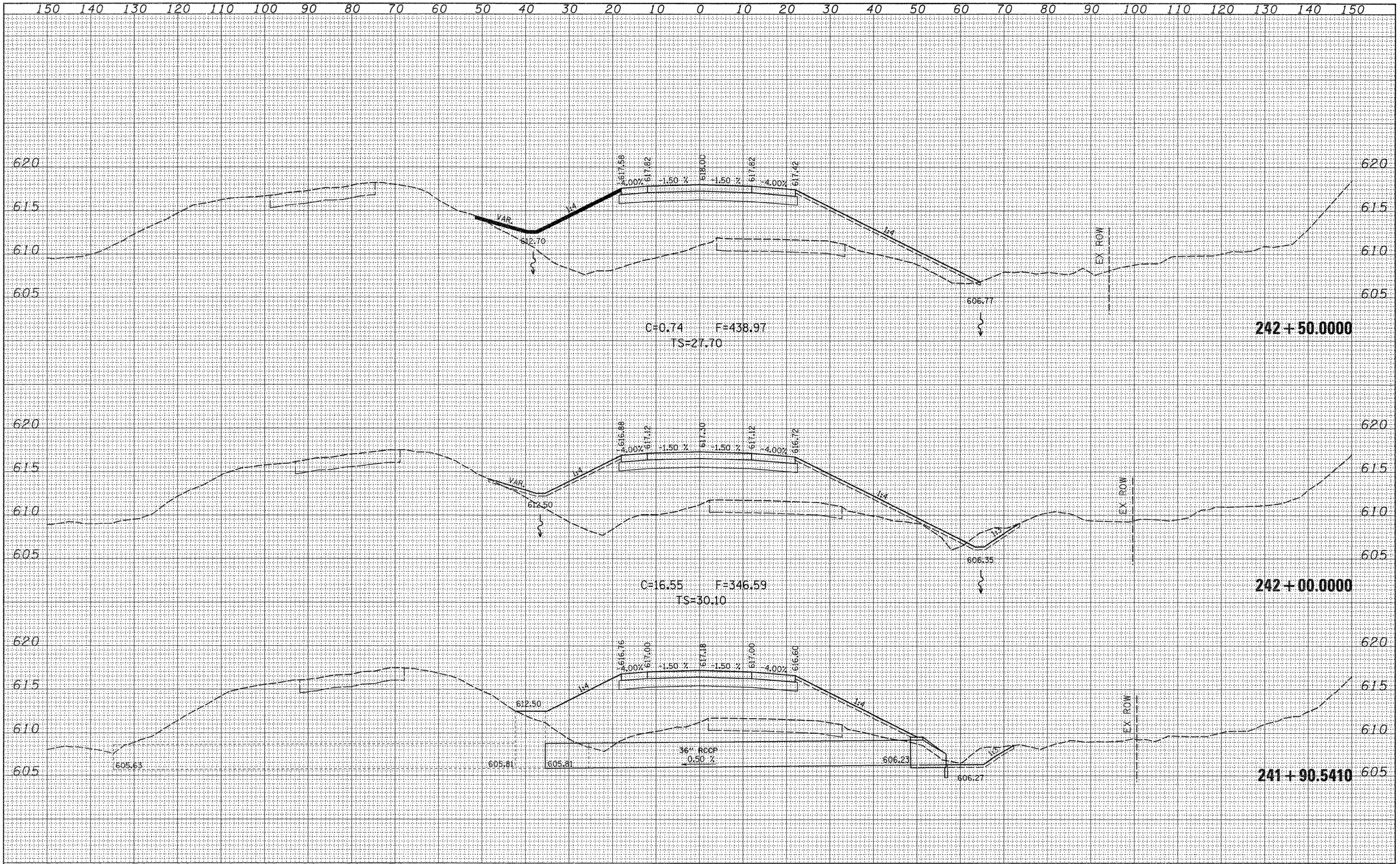
IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 240+50.0000 TO STA. 241+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	85

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT



FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-sht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:45 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 241+90.5410 TO STA. 242+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	86

CONTRACT NO. 64D92

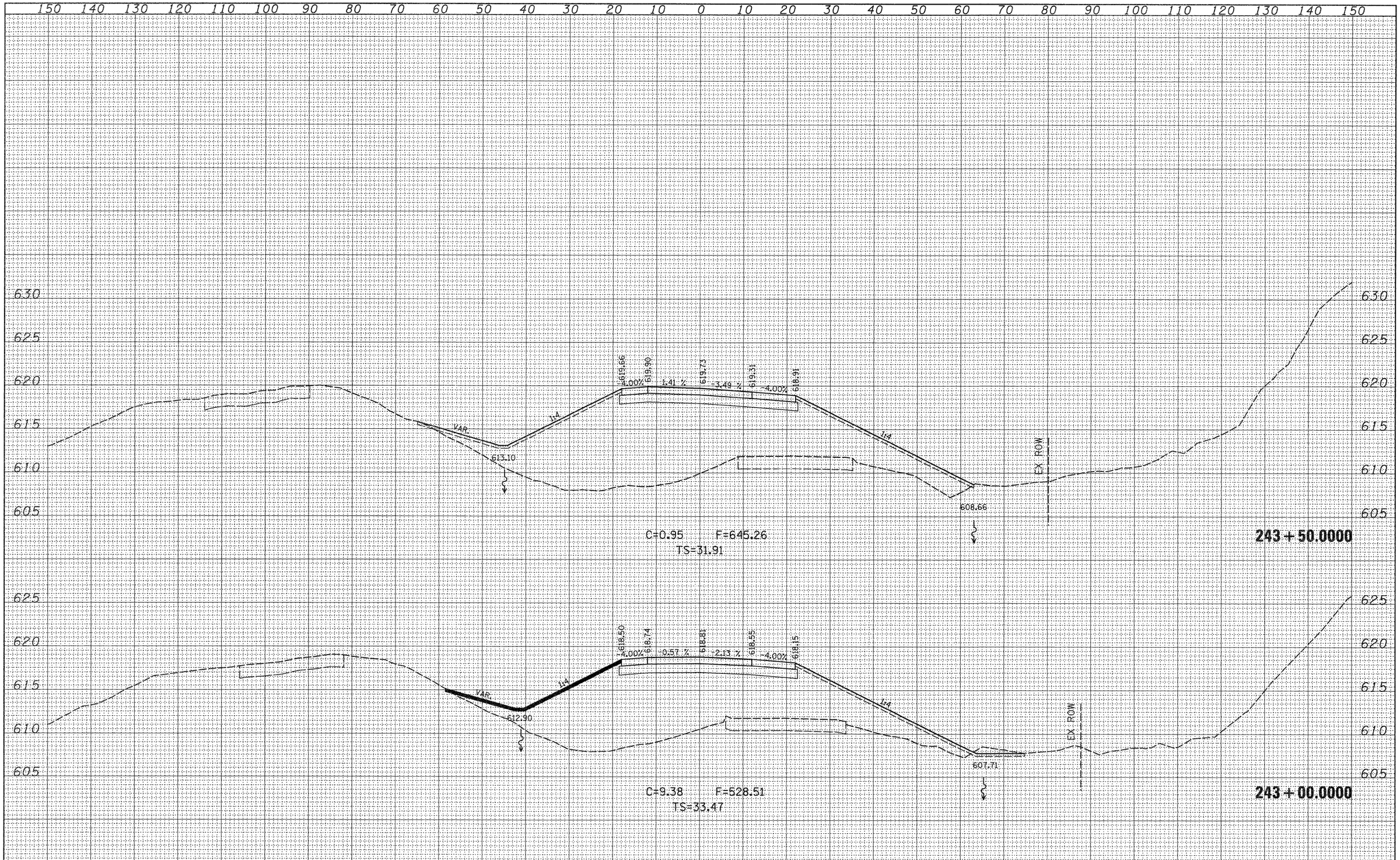
ILLINOIS FED. AID PROJECT

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

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

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

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



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		DRAWN -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

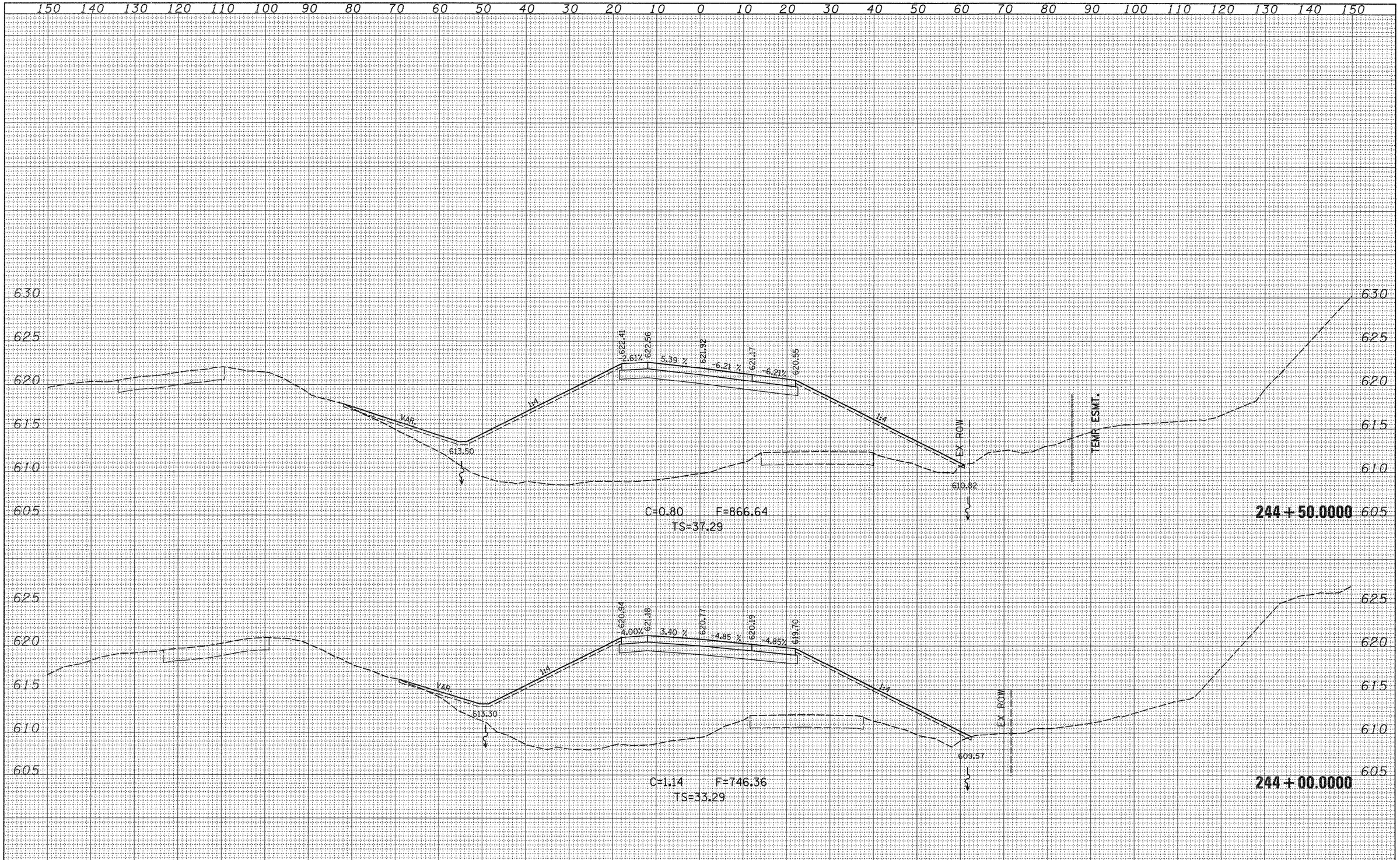
IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 243+00.0000 TO STA. 243+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	87

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT



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

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

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -
o:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-tsht.dgn		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:47 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

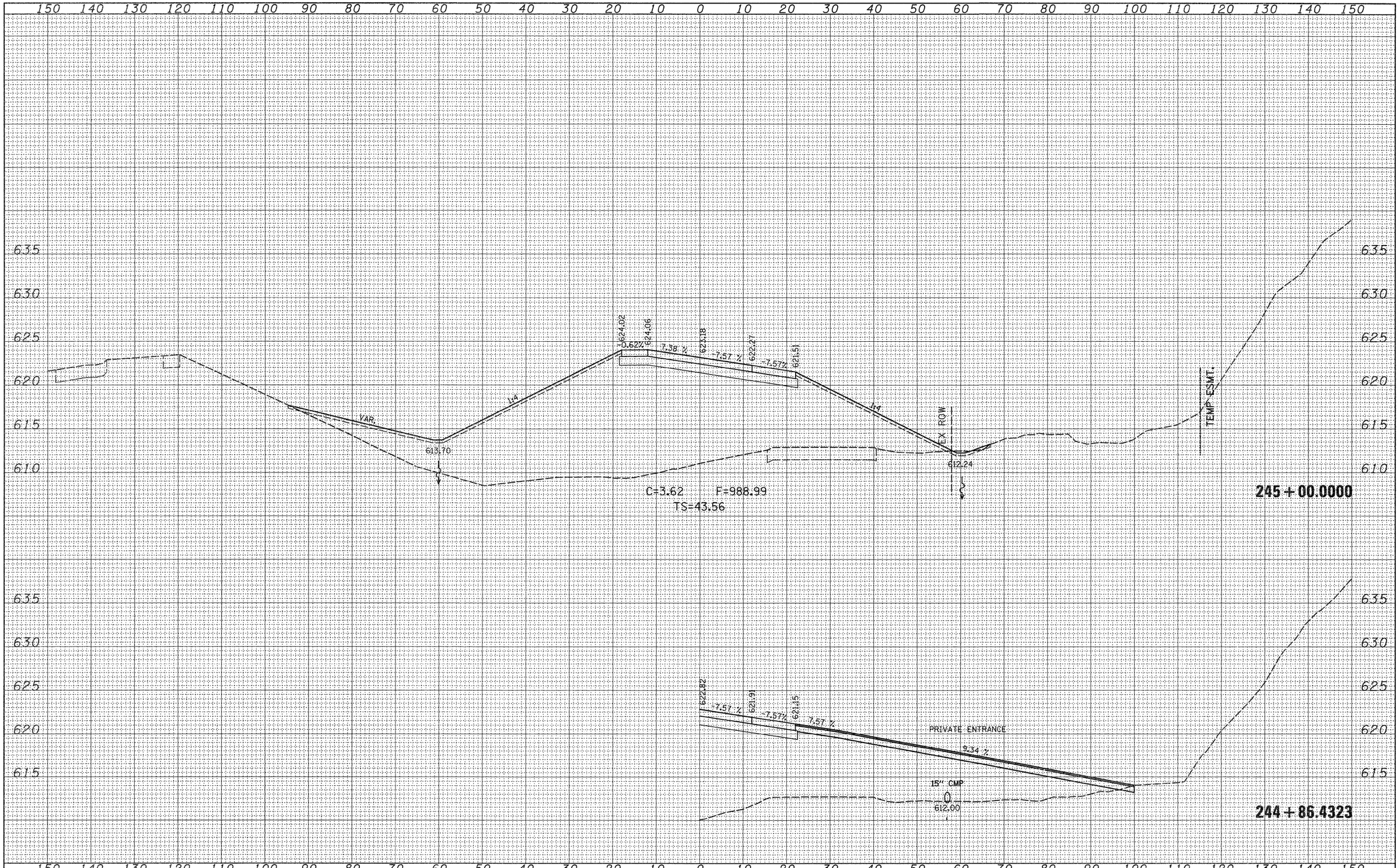
IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 244+00.0000 TO STA. 244+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	88

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT



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

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

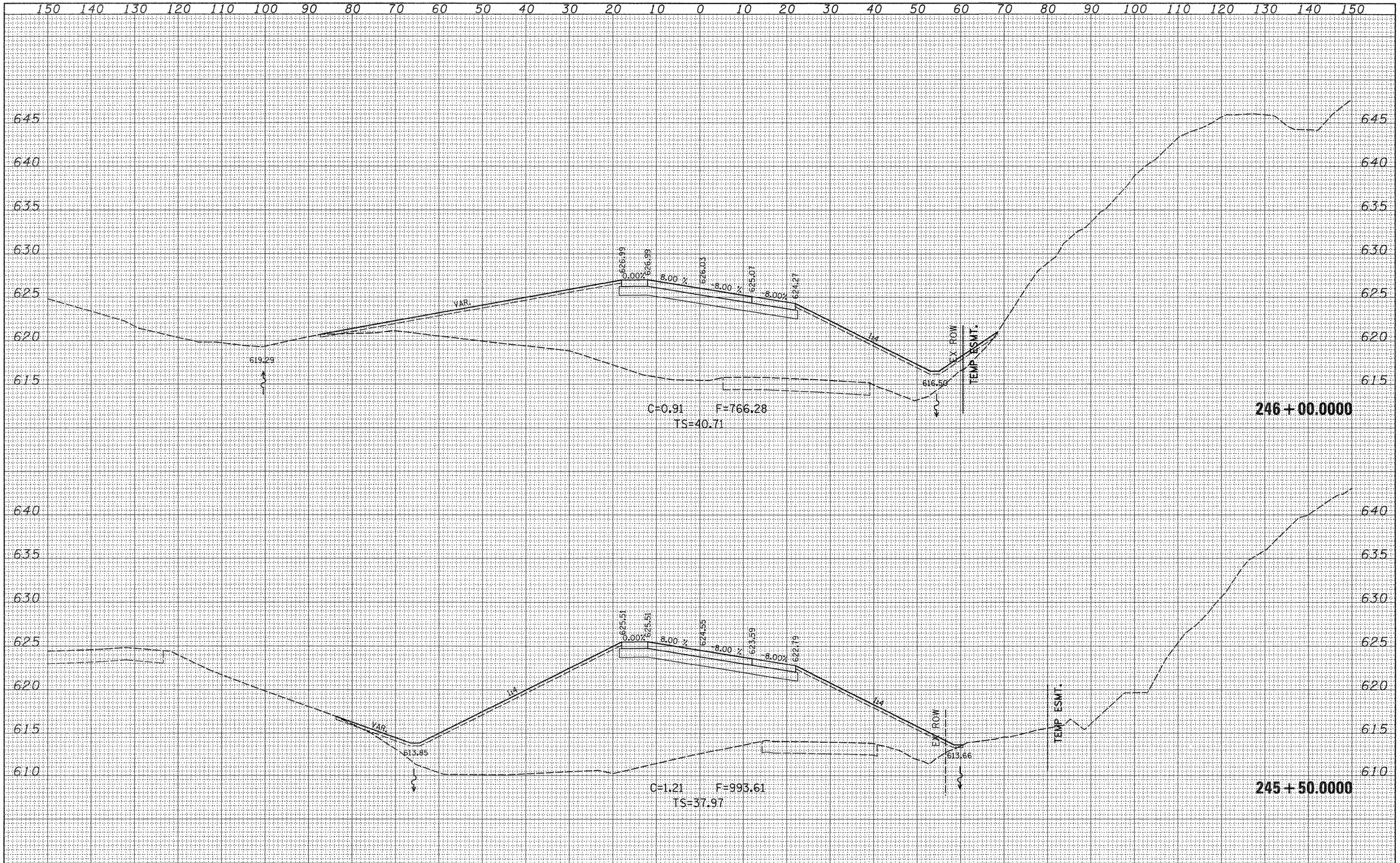
FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202800-sht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:47 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 244+86.4323 TO STA. 245+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	89
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		



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

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

FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-sht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:48 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 245+50.0000 TO STA. 246+00.0000

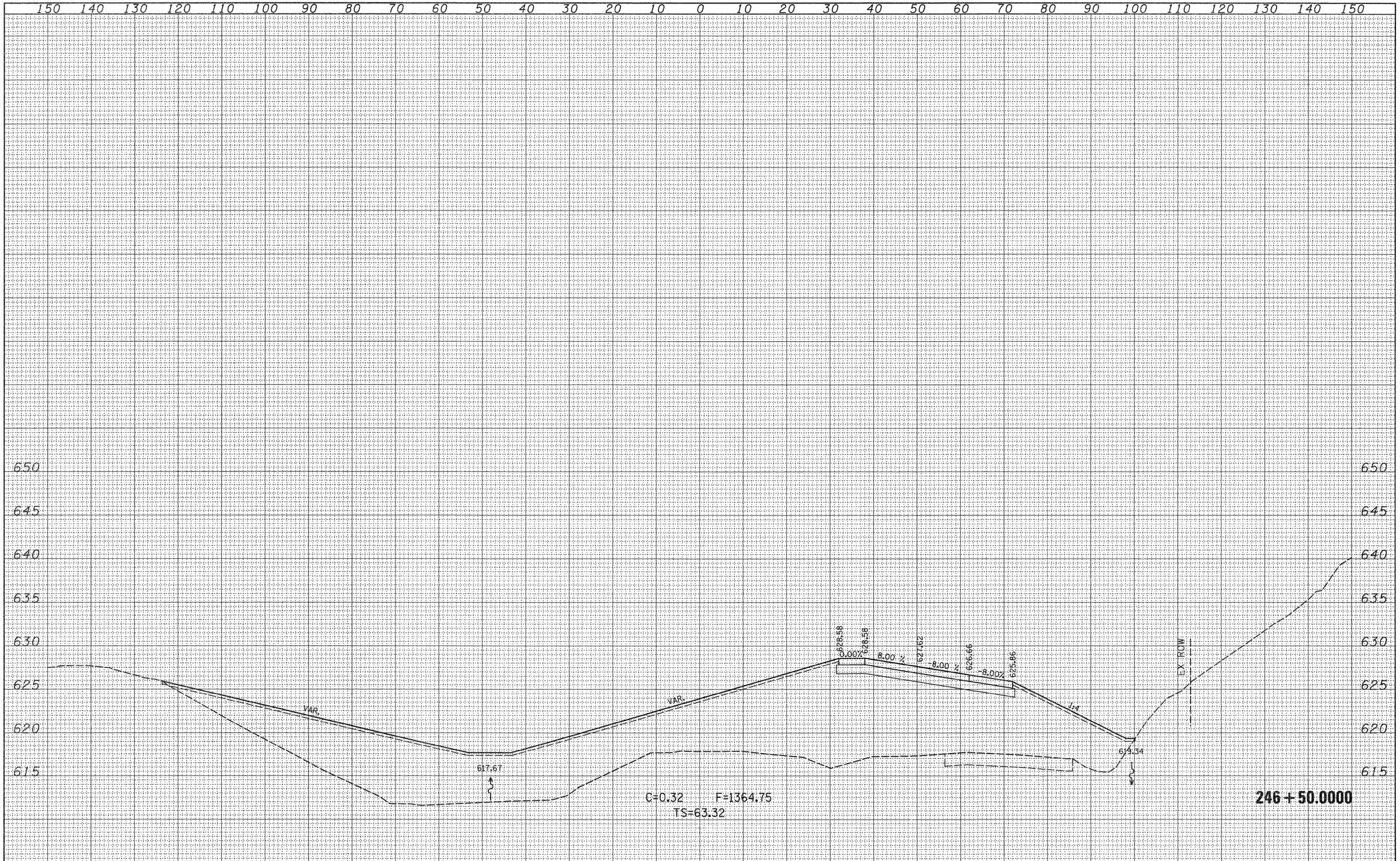
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	90

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT

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

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



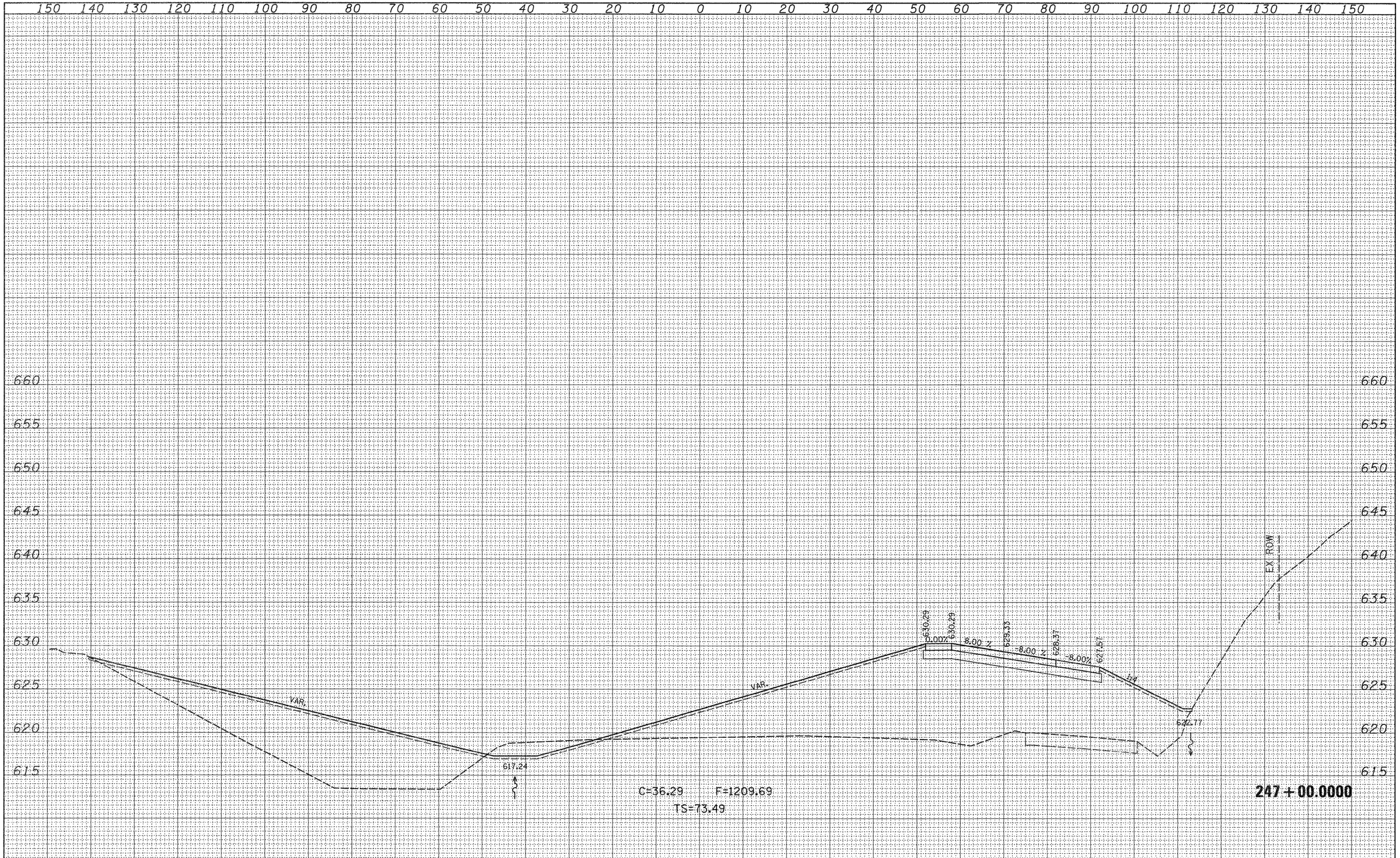
FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -
c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-sht.dgn		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:48 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 246+50.0000 TO STA. 246+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	91
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		



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

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

FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202800-sht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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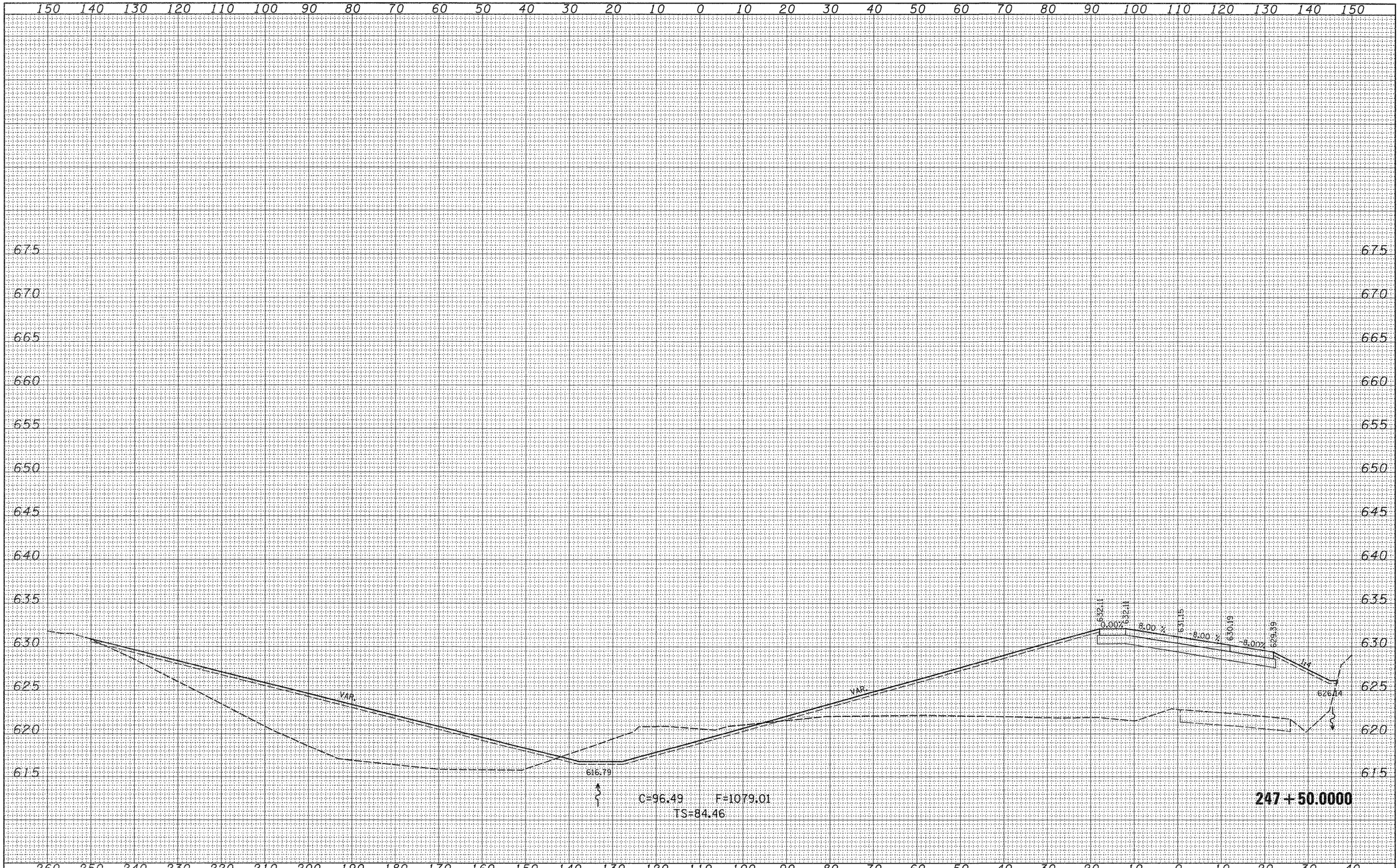
	PLOT DATE = Wed Dec 09 11:11:49 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 247+00.0000 TO STA. 247+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	92
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		



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

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

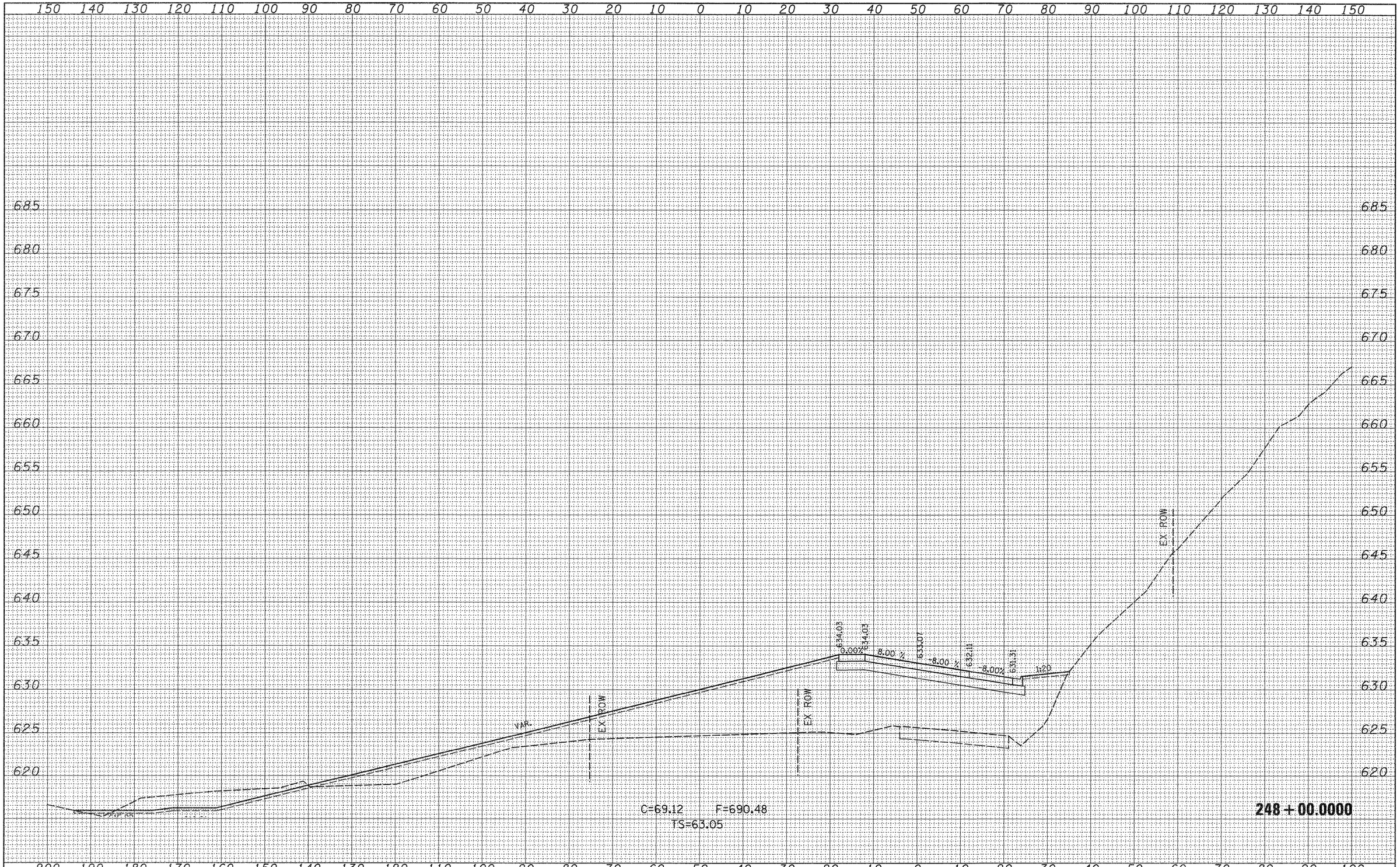
FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-sht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:49 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 247+50.0000 TO STA. 247+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	93
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		



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

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

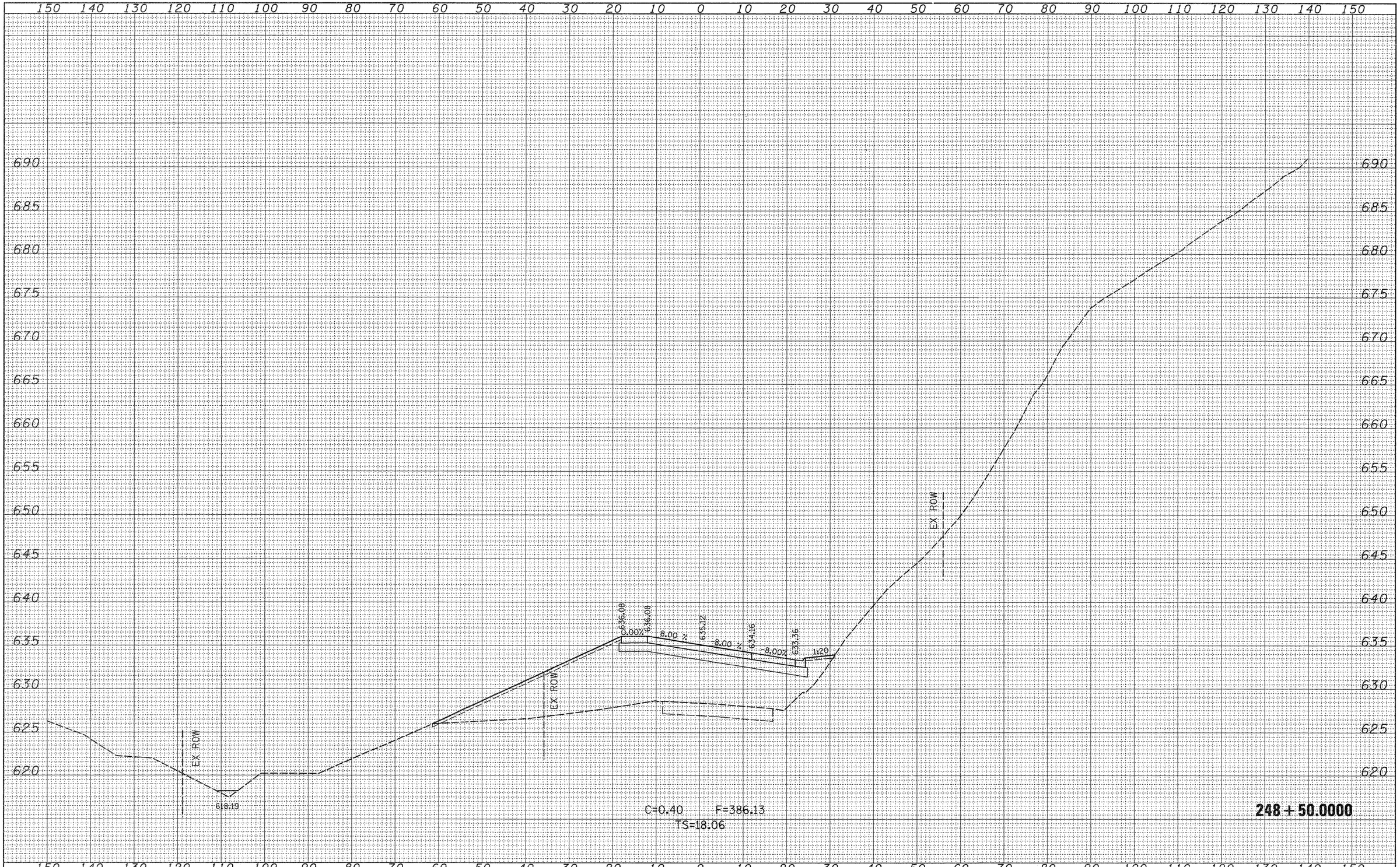
FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-1ssht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:50 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 248+00.0000 TO STA. 248+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	94
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		



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

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

FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-ssht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = Wed Dec 09 11:11:50 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

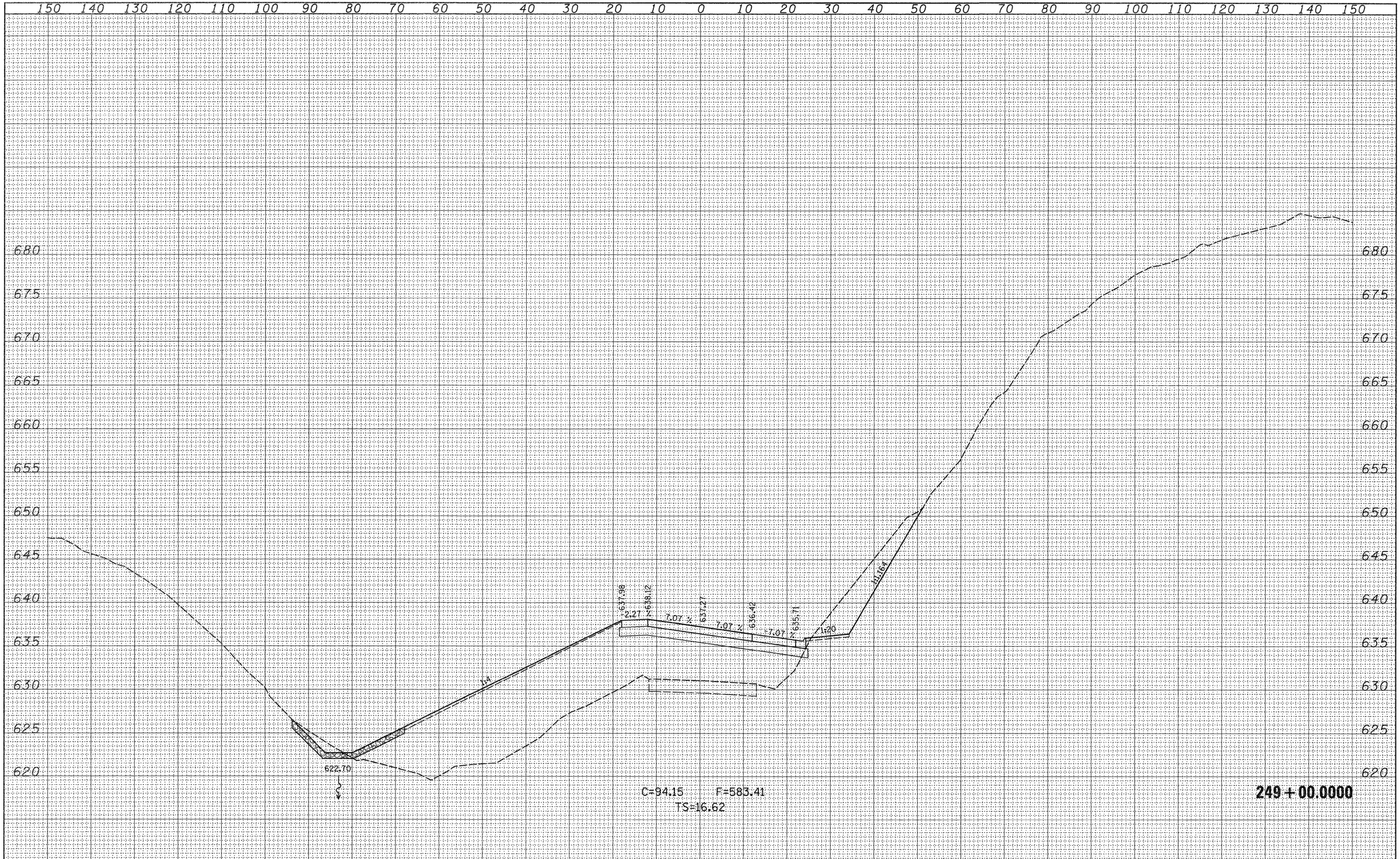
IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 248+50.0000 TO STA. 248+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	95

CONTRACT NO. 64D92

ILLINOIS FED. AID PROJECT



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

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

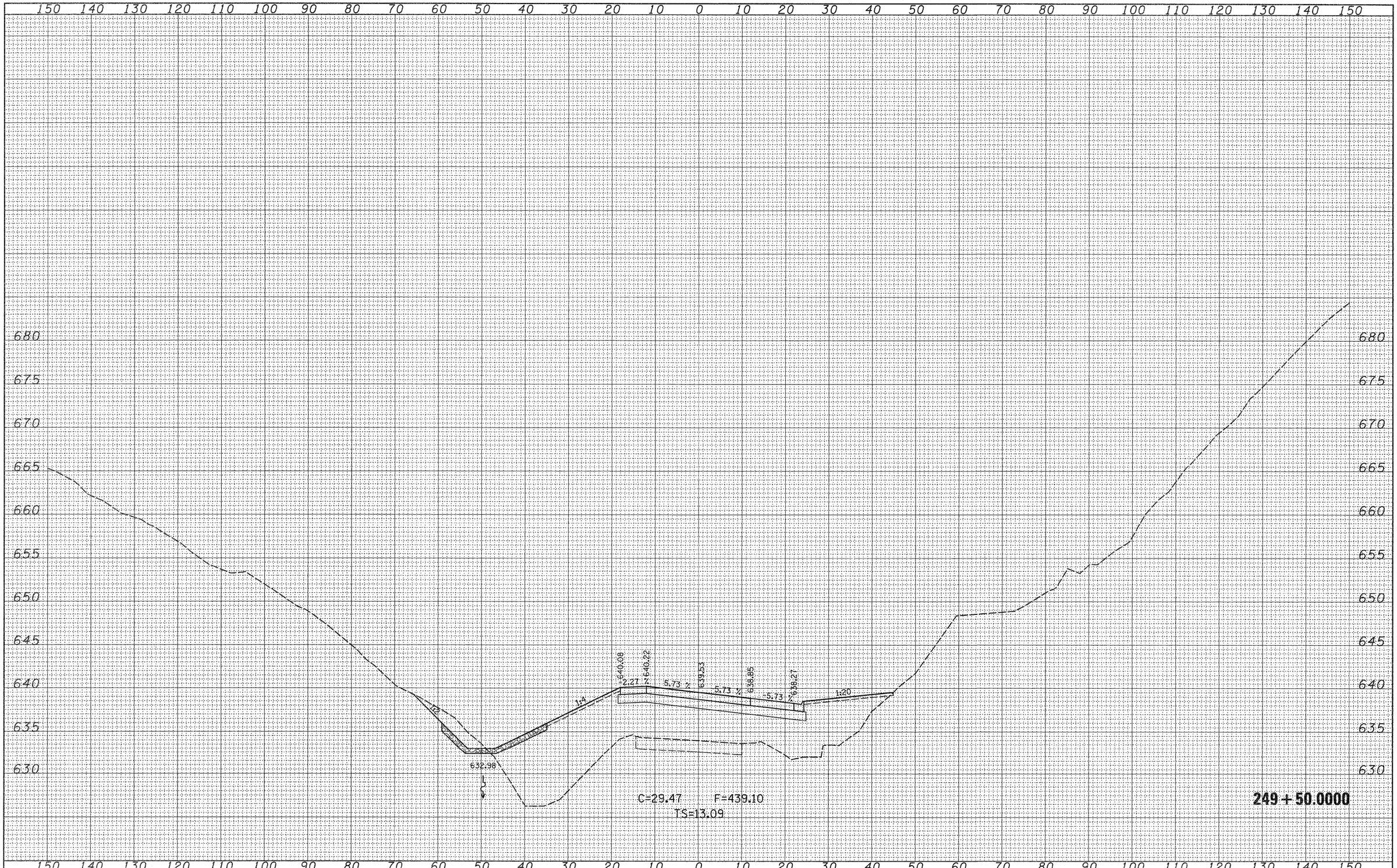
FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-ssht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:51 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 249+00.0000 TO STA. 249+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	96
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		



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

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

FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-tsht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:51 2009	DATE -	REVISED -

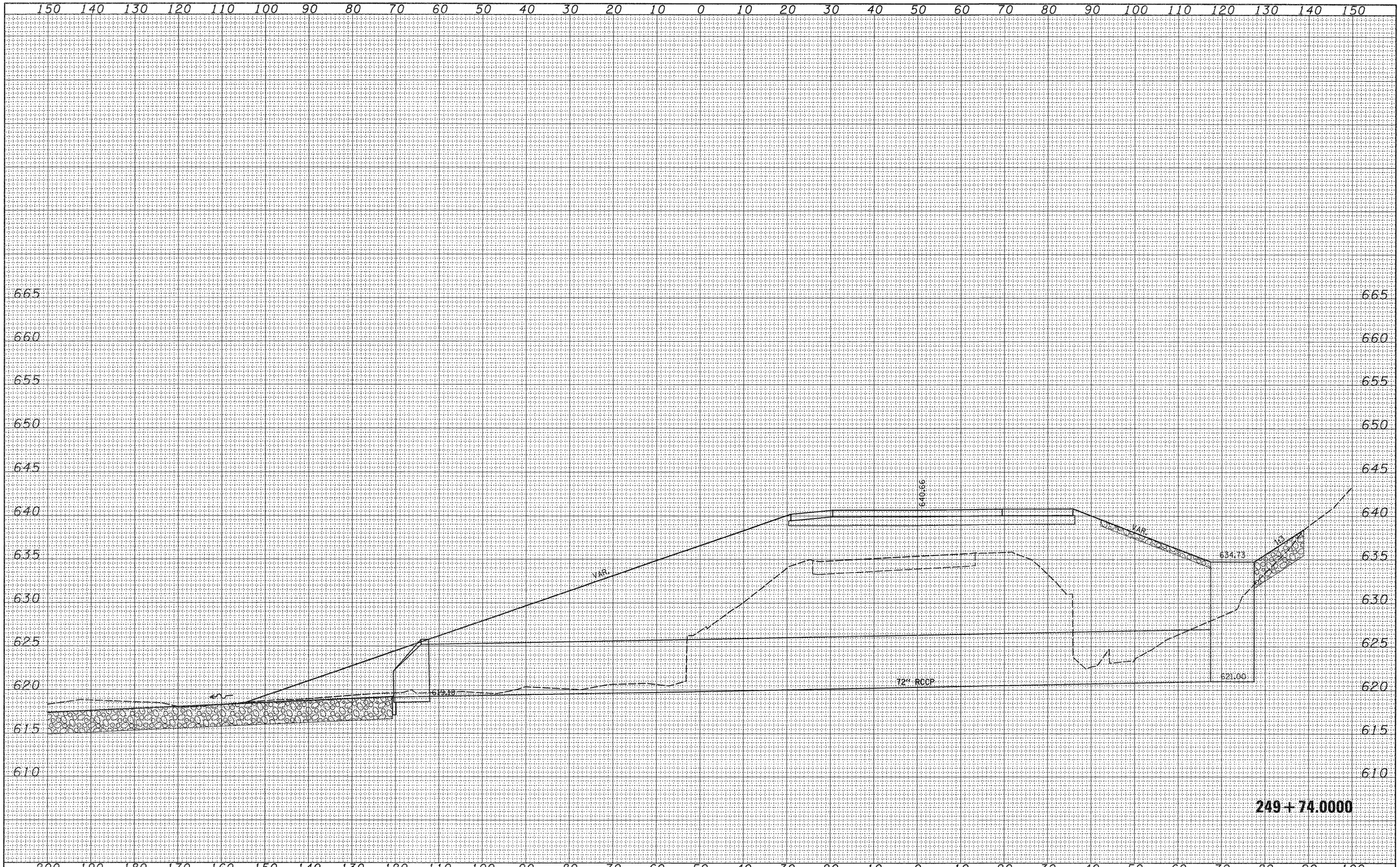
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 249+50.0000 TO STA. 249+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	97
		CONTRACT NO. 64D92		

ILLINOIS FED. AID PROJECT



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

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

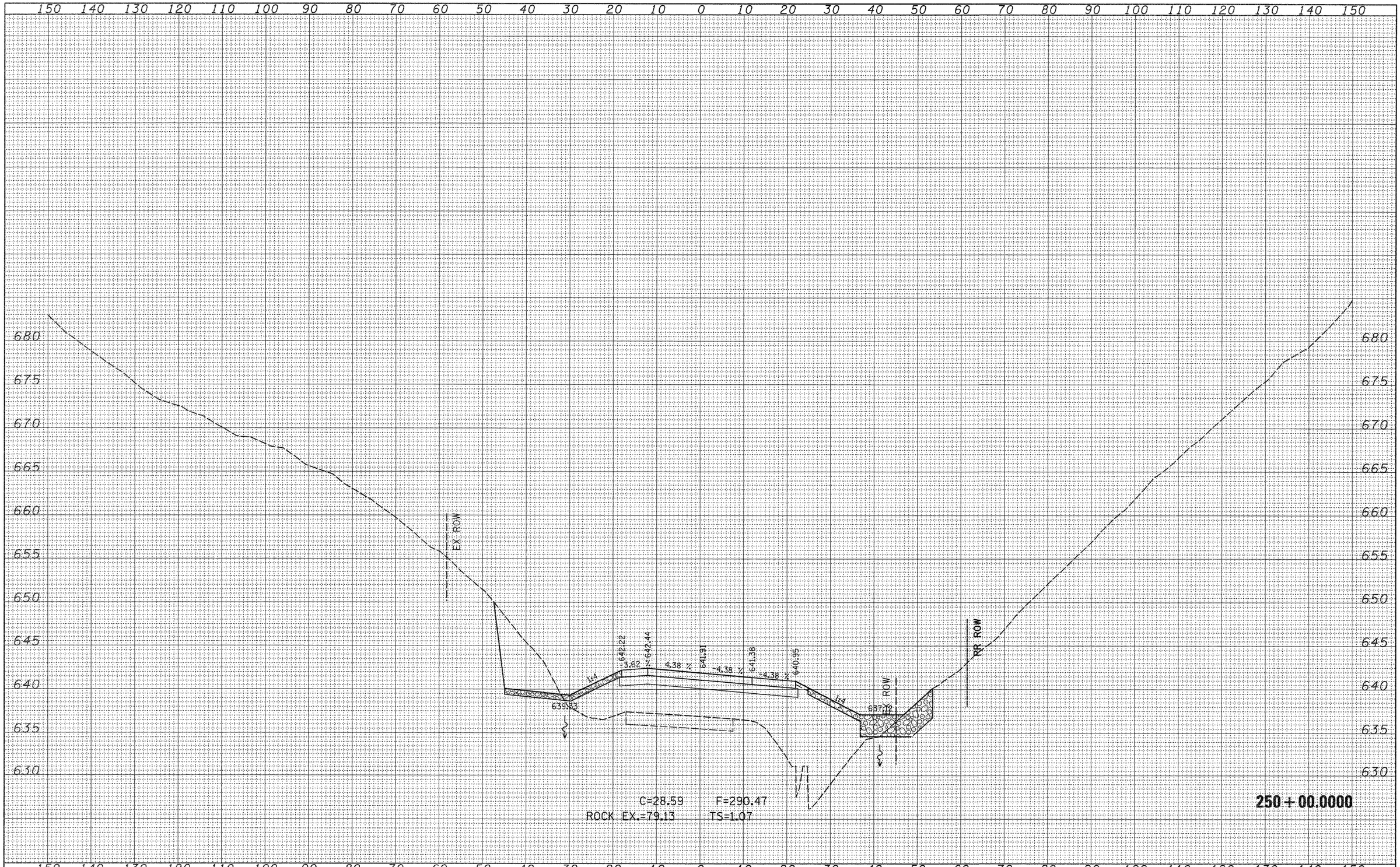
FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-sht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:52 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 249+74.0000 TO STA. 249+74.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	98
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		



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

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

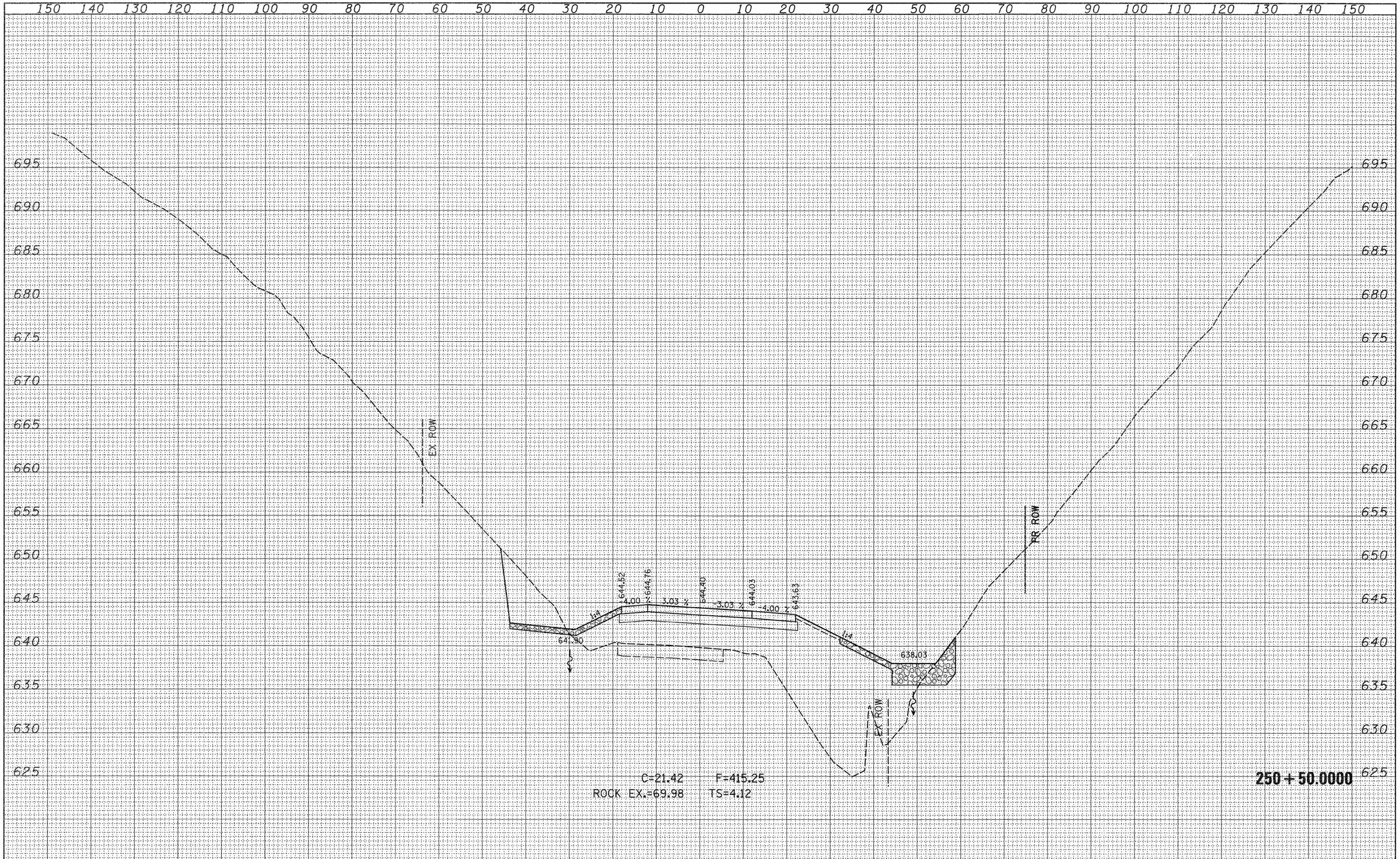
FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-ssht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:53 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 250+00.0000 TO STA. 250+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3C1	31T	JO DAVIESS	160	99
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		



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

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

FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\d0117386\D202808-sht.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Wed Dec 09 11:11:53 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 20
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 250+50.0000 TO STA. 250+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	31T	JO DAVIESS	160	100
		CONTRACT NO. 64D92		
		ILLINOIS FED. AID PROJECT		