

094

F.A.S. STATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8[C-1]CR	TAZEWELL	95	1

CONTRACT NO. 68C63

**INDEX OF SHEETS**

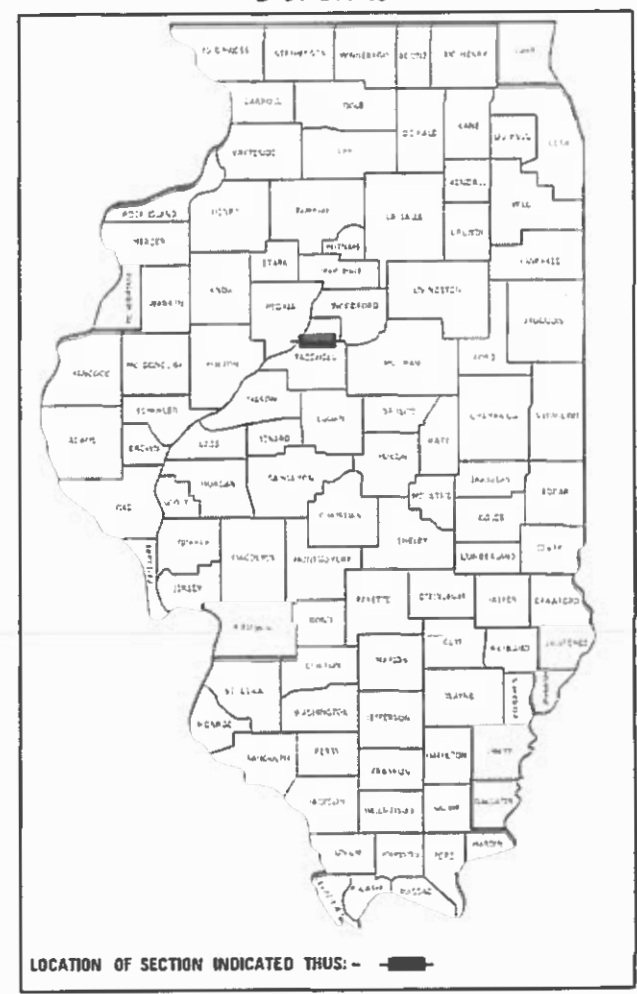
03-08-2019 LETTING ITEM 094

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED  
HIGHWAY PLANS**

**FAS ROUTE 2463 (IL 98)  
SECTION 8[C-1]CR  
PROJECT STP-PKWL(494)  
CULVERT REPLACEMENT  
TAZEWELL COUNTY**

D-94-044-15



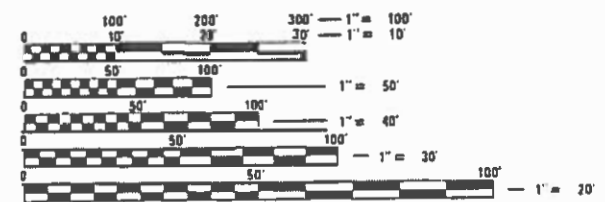
1. COVER SHEET
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3. STATUS OF UTILITIES & HMA MIXTURE REQUIREMENTS
- 4-8. SUMMARY OF QUANTITIES
- 9-10. SCHEDULE OF QUANTITIES
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**HIGHWAY STANDARDS**

000001-07	701006-05	701001-02
001001-02	701201-05	701306-04
001006	701311-03	720011-01
280001-07	701901-08	729001-01
542301-03	780001-05	
542401-03	781001-04	
542306-03	8LR21-09	
666001-01		

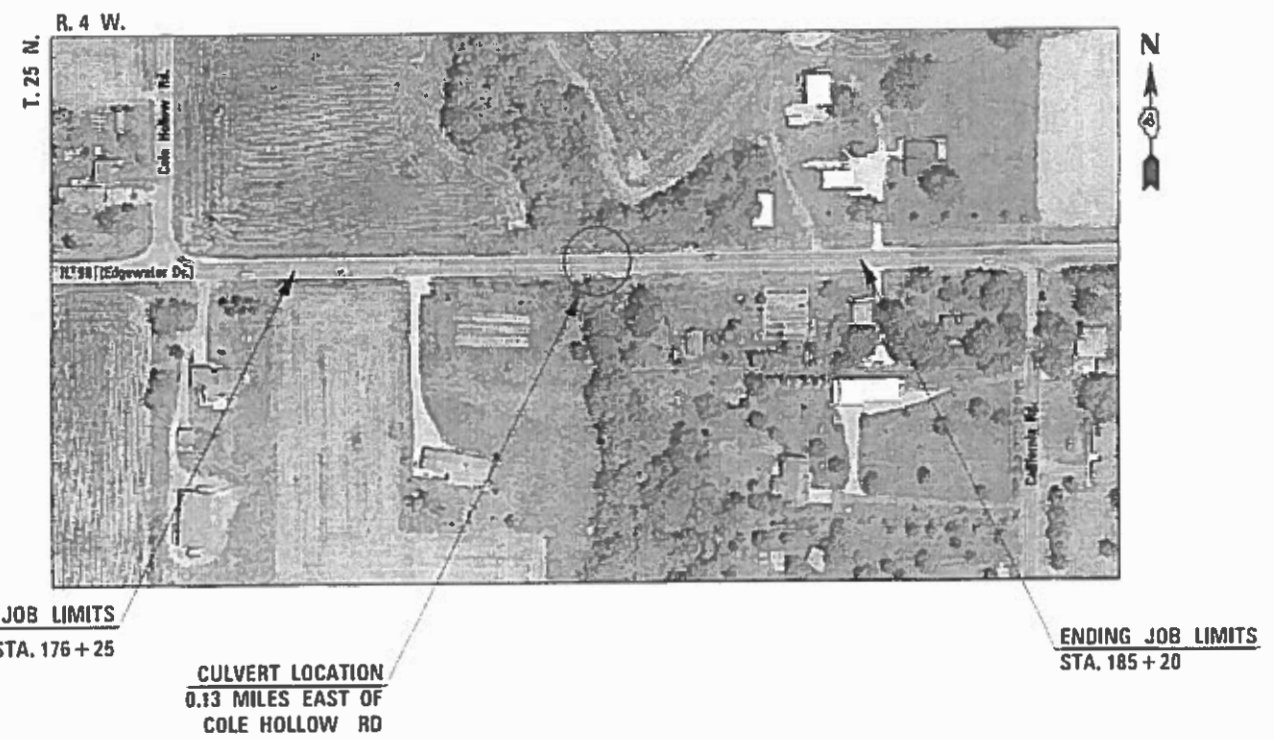
**DESIGN DESIGNATION (IL 98)**

**MINOR ARTERIAL**  
 2015 ADT = 4650  
 2015 MU = 120  
 2015 SU = 120



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  
 DR 811



**DESCRIPTION OF WORK:**  
 THIS PROJECT CONSISTS OF FILLING A 6'x8' BOX CULVERT, PLACING AN 8'x8' BOX CULVERT AT A SKEW, SLOPE IMPROVEMENTS, NEW 8' HMA SHOULDERS, MILL AND OVERLAY, AND OTHER COLLATERAL WORK NEEDED TO COMPLETE THIS PROJECT.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED *December 14, 2018*

*Brandon Thomas*  
 REGION THREE ENGINEER

*Feb 19 2019*  
 ENGINEER OF DESIGN AND ENVIRONMENT

*Paul P. [Signature]*  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER: RICH DOTSON (309) 671-3455  
 PROJECT MANAGER: ANNA BERGSIEKER (309) 671-3471  
 CATALOG NO. 035273-00D  
 CONTRACT NO. 68C63

GROSS LENGTH = 895 FT. = 0.17 MILE  
 NET LENGTH = 895 FT. = 0.17 MILE

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**107.00 COMMITMENTS**

There are no commitments for this project.

**105.07 TREE REMOVAL – UTILITY RELOCATION**

Tree removal may be necessary prior to utility companies being able to relocate their facilities outside the construction limits. The Contractor should coordinate any contract tree removal activities with the utility companies to eliminate conflicts and potential delays caused by utility tree removal activities or incomplete utility relocations.

**107.09 PROPERTY OWNER ACCESS REQUIREMENTS**

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

**201.04 TREE REMOVAL**

The District Four Tree Committee should be contacted and prior approval obtained for any tree removal beyond the limits/locations included in the plans.

**202.08 EARTH EXCAVATION – INCIDENTAL TO CURB, GUTTER, & DRIVEWAY**

Earth excavation and backfill for proposed curb and gutter and driveway pavements shall be included in the unit cost of the various items.

**204.00 ENVIRONMENTAL REVIEWS**

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- \* BDE Form 2289 (Environmental Survey Request)
- \* BDE Form 2290 (Waste/Use Area Review)
- \* A location map showing the size limits and location of the use area
- \* Color photographs depicting the use area
- \* Borrow Area Entry Agreement form-D4 PI0101

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

**351.08 AGGREGATE FOR DRIVEWAY REPLACEMENT**

The material used for construction of permanent aggregate driveways shall be gravel or crushed stone as directed by the Engineer, to replace in kind the existing aggregate driveways.

No additional compensation shall be provided for this requirement but shall be considered as included in the cost of the pay item for the aggregate as specified on the plans.

**406.18 BUTT JOINT CUTTING TIME RESTRICTION**

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

**406.19 PAVING SURFACE COURSE**

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

**542.00 ORDERING LENGTH CONFIRMATION – DRAINAGE ITEMS**

The Contractor shall consult with the Engineer in regard to the exact length of the box/pipe culverts, storm sewers, and/or pipe drains required prior to ordering these items.

**666.00 RIGHT-OF-WAY MARKERS**

When installing right-of-way markers, care shall be taken to not disturb any existing property/right-of-way pins. If a property/right-of-way pin is found at the location of a proposed right-of-way marker, the marker shall be placed one (1) foot in front of the pin.

**670.00 ENGINEERS FIELD OFFICE**

Add the following sentence to the end of paragraph 670.02 (i) and 670.04 (e):  
All of the telephone lines provided shall have unpublished numbers.

**720.00 SIGNING**

Sign locations may vary from the stations shown on the plans in accordance with directions from the Engineer at the time of construction. Sign locations may be adjusted in the field to avoid any found utilities.

All wood post locations shall be verified with the Bureau of Operations, Traffic Section, before installation.

**780.00 NO PASSING ZONE VERIFICATION**

The resident shall contact Operations to verify the location of no passing zones prior to placement of centerline striping.

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FILE: \\BAMES\_31113

USER NAME = \$USERS	DESIGNED -	REVISED -
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PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	2
CONTRACT NO. 68C63			ILLINOIS FED. AID PROJECT	

**STATUS OF UTILITIES**

UTILITY COMPANY	ROUTE	OFFSET	LOCATION	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION
Groveland Township Water District	IL 98	39' RT. to 75' RT	Sta. 177+50 ± to Sta. 180+80 ±	Water Main	Earthwork/Ditch Cut	Relocate
		29' LT	Sta. 177+75 ± to Sta. 185+25 ±	Water Main	Earthwork/Ditch Cut	Relocate
Ameren Illinois (Electric)	IL 98	32' RT	Sta. 177+38 ±	Pole	Earthwork/Ditch Cut	Relocate
		42' LT	Sta. 179+86 ±	Pole	Earthwork/Ditch Cut	Relocate
		30' RT	Sta. 179+82 ±	Pole	Earthwork/Ditch Cut	Relocate
		46' LT	Sta. 183+83 ±	Pole	Earthwork/Ditch Cut	Caution
Village of Morton	IL 98	28' RT	Sta. 177+25 ± to Sta. 183+00 ±	Gas	Earthwork/Box Culvert	Caution
Frontier Communications	IL 98	42' LT to 45' LT	Sta. 178+00 ± to Sta. 184+70 ±	Buried Cable	Earthwork/Ditch Cut	Relocate
Comcast	IL 98	32' RT to 42' LT.	Sta. 179+86 ±	Aerial Cable	Earthwork/Ditch Cut	Relocate
		46' LT	Sta. 183+83 ±	Aerial Cable	Earthwork/Ditch Cut	Caution

**MIX DESIGN REQUIREMENTS**

The following mixture requirements are applicable for this project:

Mixture Use(s):	Surface 1.5"	HMA Shoulders (6.5" Lower Lifts)	HMA Shoulders (1 1/2" Surface Lift)	HMA Base Course, 12"	
AC/PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22	
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 19.0	IL 9.5	IL 19.0	
Friction Aggregate:	Mix D	N/A	Mix C	N/A	
Quality Management Program:	QC/QA	QC/QA	QC/QA	QC/QA	

Note: 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size, unless otherwise approved by the Engineer.  
 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y./in., unless otherwise noted.  
 3) Sublot sizes for PFP and QCP mixes will be 600 tons, unless otherwise agreed to by the Engineer and the paving contractor.

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PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>STATUS OF UTILITIES AND MIX DESIGN REQUIREMENTS</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	3
			CONTRACT NO. 68C63	
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				URBAN	0004
				ROADWAY	
				80% FEDERAL	
				20% STATE	
20100110	TREE REMOVAL ( 6 TO 15 UNITS DIAMETER)	UNIT	15	15	
20100500	TREE REMOVAL, ACRES	ACRE	0.75	0.75	
20101200	TREE ROOT PRUNING	EACH	1	1	
20200100	EARTH EXCAVATION	CU YD	6155	6155	
20200500	EARTH EXCAVATION ( WIDENING)	CU YD	165	165	
20300100	CHANNEL EXCAVATION	CU YD	823	823	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	543	543	
21101615	TOPSOIL FURNISH & PLACE, 4"	SQ YD	6147	6147	
25000210	SEEDING, CLASS 2A	ACRE	1.75	1.75	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	157.5	157.5	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	157.5	157.5	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	157.5	157.5	
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	8461	8461	
28000305	TEMPORARY DITCH CHECKS	FOOT	714	714	

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PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68C63	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				0004 ROADWAY	80% FEDERAL 20% STATE
28000315	AGGREGATE DITCH CHECKS	TON	69	69	
28000400	PERIMETER EROSION BARRIER	FOOT	1761	1761	
28000500	INLET AND PIPE PROTECTION	EACH	4	4	
28100209	STONE RIPRAP, CLASS A5	TON	1054	1054	
28100225	STONE RIPRAP, CLASS B3	TON	255	255	
28200200	FILTER FABRIC	SQ YD	1205	1205	
31100200	SUB-BASE GRANULAR MATERIAL, TYPE A	CU YD	49	49	
35501332	HOT - MIX ASPHALT BASE COURSE, 12"	SQ YD	112	112	
40200700	AGGREGATE SURFACE COURSE, TYPE A 8"	SQ YD	200	200	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	28	28	
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	1587	1587	
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	172	172	
40600990	TEMPORARY RAMP	SQ YD	29	29	
40603335	HOT - MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	200	200	

MODEL: #MODELNAME\*  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68C63	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				URBAN	0004
				ROADWAY	
				80% FEDERAL	
				20% STATE	
44000100	PAVEMENT REMOVAL	SQ YD	122	122	
44000155	HOT - MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	2211	2211	
44004250	PAVED SHOULDER REMOVAL	SQ YD	136	136	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	9	9	
48203100	HOT - MIX ASPHALT SHOULDERS	TON	512	512	
50104400	CONCRETE HEADWALL REMOVAL	EACH	4	4	
50105220	PIPE CULVERT REMOVAL	FOOT	229	229	
50800105	REINFORCEMENT BARS	POUND	6312	6312	
54003000	CONCRETE BOX CULVERTS	CU YD	50.2	50.2	
54213453	END SECTIONS 18"	EACH	6	6	
54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2	2	
542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	48	48	
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	135	135	
63200310	GUARDRAIL REMOVAL	FOOT	626	626	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	6
			CONTRACT NO. 68C63	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				URBAN	
				0004	
				ROADWAY	
				80% FEDERAL	
				20% STATE	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	11	11	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3	
67100100	MOBILIZATION	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	305	305	
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	3500	3500	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	11	11	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	11	11	
X1200050	BOX CULVERT REMOVAL	FOOT	11	11	
X1200140	PRECAST CONCRETE BOX CULVERT (SPECIAL)	FOOT	120	120	
X5010205	REMOVAL OF EXISTING STRUCTURE, SPECIAL	EACH	3	3	
X5012650	CONCRETE HEADWALL REMOVAL SPECIAL	EACH	2	2	
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0022800	FENCE REMOVAL	FOOT	164	164	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68C63	





LOCATION	INFORMATION ONLY						
	EARTH EXCAVATION	EARTH EXCAVATION ADJUST FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	EARTH EXCAVATION (WIDENING)	CHANNEL EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"
	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	SQ. YD.
RT.							
STA. 176+25.00 TO 183+25.00	1749.5	1312.1	785.9	526.2	71.8	449.9	2311.7
LT.							
STA. 177+50.00 TO 185+35.00	4404.7	3303.5	1022.8	2280.7	91.3	373.0	3835.4
<b>SUB-TOTAL</b>	<b>6154.2</b>	<b>4615.7</b>	<b>1808.7</b>	<b>2807.0</b>	<b>163.1</b>	<b>822.9</b>	<b>6147.1</b>
<b>TOTAL ROUNDED</b>	<b>6155.0</b>				<b>165.0</b>	<b>823.0</b>	<b>6147.0</b>

ENTRANCES							
LOCATION				TYPE	AREA	AGGREGATE SURFACE COURSE, TYPE A 8"	
RT.	STA.	TO	TO		SQ. FT.	SQ. YD.	
RT.	STA. 176+94.5	TO	177+18.5	F.E.	407.2	45.2	
RT.	STA. 178+17.7	TO	178+66.4	P.E.	685.9	76.2	
RT.	STA. 182+80.0	TO	182+90.6	F.E.	225.6	25.1	
LT.	STA. 184+14.3	TO	184+82.3	F.E.	484.3	53.8	
<b>TOTAL</b>						<b>200.0</b>	

LOCATION	TREE REMOVAL, ACRES	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE ROOT PRUNING	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	HEAVY DUTY EROSION CONTROL BLANKET	PERIMETER EROSION BARRIER	INLET & PIPE PROTECTION	TEMPORARY DITCH CHECKS	AGGREGATE DITCH CHECKS
	ACRE	UNITS	EACH	ACRE	90 lb/acre	90 lb/acre	90 lb/acre	SQ. YD.	FOOT	EACH	FOOT	TON
					POUND	POUND	POUND					
RT. SIDE	0.13	15.0	1.0	0.65	58.50	58.50	58.50	3170.0	829.0	3.0	279.0	69.0
LT. SIDE	0.55	0.0	0.0	1.09	98.10	98.10	98.10	5291.0	932.0	1.0	435.0	0.0
<b>SUB-TOTAL</b>	<b>0.68</b>	<b>15.0</b>	<b>1.0</b>	<b>1.74</b>	<b>156.6</b>	<b>156.6</b>	<b>156.6</b>	<b>8461.0</b>	<b>1761.0</b>	<b>4.0</b>	<b>714.0</b>	<b>69.0</b>
<b>TOTAL</b>	<b>0.75</b>	<b>15.0</b>	<b>1.0</b>	<b>1.75</b>	<b>157.5</b>	<b>157.5</b>	<b>157.5</b>	<b>8461.0</b>	<b>1761.0</b>	<b>4.0</b>	<b>714.0</b>	<b>69.0</b>

LOCATION	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	PRC FLARED END SECTIONS, EQRS 18"	PIPE CULVERTS, CLASS D, TYPE 1 18"	END SECTIONS 18"	AGGREGATE FOR TEMPORARY ACCESS
	FOOT	EACH	FOOT	EACH	TON
RT. STA. 176+88.5 TO STA. 177+28.5			45.0	2.0	12.9
RT. STA. 178+22.0 TO STA. 178+62.0			40.0	2.0	8.2
RT. STA. 182+55.8 TO STA. 183+02.1	48.0	2.0			
LT. STA. 184+20.0 TO STA. 184+70.0			50.0	2.0	6.8
<b>TOTAL</b>	<b>48.0</b>	<b>2.0</b>	<b>135.0</b>	<b>6.0</b>	<b>28.0</b>

LOCATION					AVG. LENGTH	AVG. AREA	SUBBASE GRANULAR MATERIAL, TYPE A
LT.	STA.	TO	TO	TO	FT	SQ FT	CU YD
RT.	STA. 180+66.60	TO	181+08.50		41.7	15.8	24.4
RT.	STA. 180+85.40	TO	181+27.10		41.7	15.8	24.4
<b>TOTAL</b>							<b>49.0</b>

LOCATION					AVG. LENGTH	AVG. WIDTH	HMA BASE COURSE 12"
LT.	STA.	TO	TO	TO	FT	FT	SQ YD
RT.	STA. 180+70.30	TO	181+12.20		41.7	12.0	55.6
RT.	STA. 180+81.60	TO	181+23.30		41.7	12.0	55.6
<b>TOTAL</b>							<b>112.0</b>

LOCATION	STONE RIPRAP			FILTER FABRIC
	CLASS B3	CLASS A5	INFORMATION ONLY	
	TON	TON	CLASS A1	
	TON	TON	TON	
RT. STA. 176+50.0 TO 176+81.0	12.6			
RT. STA. 180+00.0 TO 181+00.0	37.1			
RT. STA. 181+00.0 TO 181+80.0		290.4	105.6	
RT. STA. 181+80.0 TO 182+50.0	25.7			
LT. STA. 178+00.0 TO 180+25.0	84.6			
LT. STA. 180+00.0 TO 181+50.0		763.4	277.6	
LT. STA. 181+50.0 TO 184+20.0	94.5			
<b>TOTAL</b>	<b>255.0</b>	<b>1054.0</b>	<b>383.0</b>	

LOCATION					PRECAST CONCRETE BOX CULVERT (SPECIAL)	CONCRETE BOX CULVERTS	POROUS GRANULAR EMBANKMENT	REINF. BARS
LT.	STA.	TO	TO	TO	FOOT	CIP END SECTIONS & COLLARS	CU YD	LBS
RT.	STA. 180+71.9	TO	181+22.6		120.0	50.2	543	6272
<b>TOTAL</b>					<b>120.0</b>	<b>50.2</b>	<b>543.0</b>	<b>6272.0</b>

MODEL NUMBER: 8/15/05  
FILE NAME: 8/15/05

USER NAME = \$USERS	DESIGNED -	REVISED -
PLOT SCALE = \$\$SCALE\$	DRAWN -	REVISED -
PLOT DATE = \$DATE\$	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	9
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				

PAVEMENT														
LOCATION				LENGTH	AVG. PAVEMENT WIDTH	AVG. SHLDR WIDTH	HMA SURFACE REMOVAL - BUTT JOINT	TEMP. RAMP	HMA SURFACE REMOVAL, 1.5"	HMA SHOULDERS			POLY. BITUMINOUS MATERIALS (TACK COAT)	AGGREGATE SHOULDER, TYPE B
										1.5"	1 1/2" Surface Lifts	6.5" Lower Lifts	0.05 LBS/SQ FT (PVT)	
				FT.	FT.	FT.	SQ. YD.	SQ. YD.	SQ. YD.	TON	TON	TON	POUND	TON
RT. STA.														
STA.	176+25.0	TO	176+55.0	30.0	13.0	2.0	43.3	7.2					19.5	0.4
STA.	176+55.0	TO	176+82.3	27.3	13.0	2.0						39.4	3.3	0.3
STA.	176+82.3	TO	176+94.5	12.2	12.0	4.0						16.2	1.4	0.5
STA.	176+94.5	TO	182+92.0	597.5	12.0	8.0						796.7	66.9	44.6
STA.	182+92.0	TO	183+04.0	12.0	12.0	4.0						16.0	1.3	0.4
STA.	183+04.0	TO	184+70.0	166.0	13.0	4.0						239.8	20.1	
STA.	184+70.0	TO	185+00.0	30.0	13.0	4.0	43.3	7.2					3.6	
LT. STA.														
STA.	176+25.0	TO	176+55.0	30.0	13.0	2.0	43.3	7.2					3.6	
STA.	176+55.0	TO	177+50.0	95.0	13.0	2.0						137.2	11.5	
STA.	177+50.0	TO	178+00.0	50.0	13.0	5.0						72.2	6.1	
STA.	178+00.0	TO	184+70.0	670.0	12.0	8.0						893.3	75.0	50
STA.	184+70.0	TO	184+82.3	12.3	12.0	4.0	16.4						1.4	0.5
STA.	184+82.3	TO	185+00.0	17.7	13.0	4.0	25.6	7.2					2.2	
SUB-TOTAL							171.9	28.9	2210.9	200.2	96	416	1586.6	9.3
TOTAL							172	29	2211	200	512		1587	9.0

PAVEMENT REMOVAL							
LOCATION					AVG. LENGTH	AVG. WIDTH	AREA
					FT	FT	SQ YD
LT.	STA.	180+70.00	TO	181+12.00	42.0	12.6	58.8
RT.	STA.	180+82.00	TO	181+24.00	42.0	13.5	63.0
TOTAL							122.0

PAVED SHOULDER REMOVAL							
LOCATION					LENGTH	WIDTH	AREA
					FT	FT	SQ YD
RT.	STA.	176+82.50	TO	180+81.50	399.0	1.0	44.3
RT.	STA.	181+23.00	TO	183+04.00	181.0	1.0	20.1
LT.	STA.	178+00.00	TO	180+70.50	270.5	1.0	30.1
LT.	STA.	181+12.50	TO	184+83.00	370.5	1.0	41.2
TOTAL							136.0

FENCE REMOVAL						
LOCATION					LENGTH	
					FT	
RT.	STA.	181+26.00	TO	182+90.00	164.0	
TOTAL					164.0	

GUARDRAIL REMOVAL					
LOCATION					LENGTH
					FT.
LT.	STA.	179+93	TO	183+82	389.0
RT.	STA.	180+14	TO	182+51	237.0
TOTAL					626.0

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL		
LOCATION		EACH
JOBSITE		11.0
TOTAL		11.0

LOCATION				PIPE CULVERT REMOVAL	CONCRETE HEADWALL REMOVAL	REMOVAL OF EXISTING STRUCTURES, SPECIAL	BOX CULVERT REMOVAL	CONCRETE HEADWALL REMOVAL SPECIAL	FILLING DRAINAGE STRUCTURES
RT./LT.	STA	TO	STA.	FT.	EA.	EA.	FT.	EA.	EA.
RT.	177+18.0	TO	177+37.0	19.0	2.0				
RT.	178+00.0					1.0			
RT.	178+28.0	TO	178+62.0	34.0					
RT.	181+15.0	TO	181+15.0				11.0	1.0	
RT.	182+78.5	TO	182+90.5	12.0	2.0				
RT/LT	181+16								1.0
LT.	181+00.0	TO	181+32.0					1.0	
LT.	181+34.0	TO	182+67.0	133.0					
LT.	183+48.0					1.0			
LT.	184+08.0					1.0			
LT.	184+36.0	TO	184+67.0	31.0					
TOTAL				229.0	4.0	3.0	11.0	2.0	1.0

LOCATION				MODIFIED URETHANE PAVEMENT MARKING - LINE 4"		RAISED REFLECTIVE PAVEMENT MARKER
				WHITE	YELLOW	EACH
STA.	176+25	TO	185+00	1750.0	1750.0	11.0
TOTAL				3500.0		11.0

LOCATION	FURNISHING AND ERECTING ROW MARKERS	MOBILIZATION	CONSTRUCTION LAYOUT	ENGINEER'S FIELD OFFICE, TYPE A	TRAFFIC CONTROL & PROTECTION, (SPECIAL)	CHANGEABLE MESSAGE SIGNS*
	EACH	L SUM	L SUM	CAL MO	LSUM	CAL DAY
JOBSITE	11.0	1.0	1.0	3.0	1.0	305.0
TOTAL	11.0	1.0	1.0	3.0	1.0	305.0

\*5 signs: 3 EACH @ 97 days each & 2 EACH signs @ 7 days each

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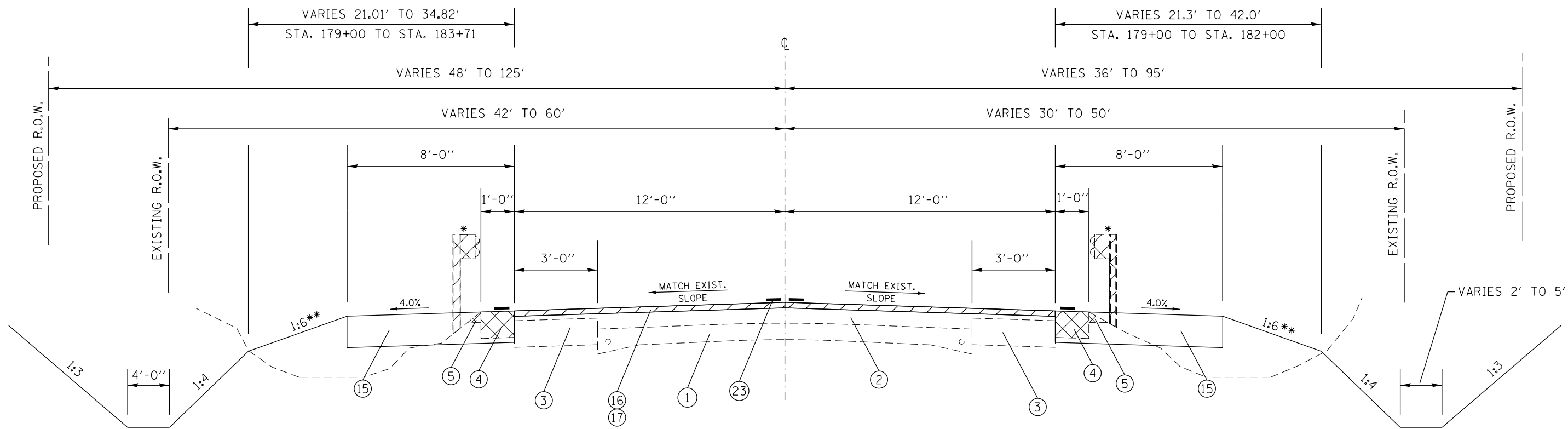
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	10
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				

LEGEND	
EXISTING	PROPOSED
① 9-6-9 PCC PAVEMENT	⑮ 8" HMA SHOULDER
② 5"± HMA OVERLAY'S	⑯ HMA SURFACE REMOVAL, 1-1/2"
③ 8" HMA BASE CSE. WIDENING WITH 3" OVERLAY	⑰ HMA SURFACE COURSE, MIX D, N50 1-1/2"
④ 6" HMA SHOULDER TO BE REMOVED	⑱ EARTH BACKFILL
⑤ AGGERGATE SHOULDER	⑲ 8'X8' BOX CULVERT
	⑳ POROUS GRANULAR EMBANKMENT
	㉑ SUBBASE GRANULAR MATERIAL, TYPE A
	㉒ 12" HMA BASE COURSE
	㉓ PAVEMENT MARKING
	㉔ AGGREGATE SHOULDER



IL ROUTE 98  
 RT. STA. 176+82 TO STA. 180+82  
 RT. STA. 181+24 TO STA. 183+00  
 LT. STA. 178+00 TO STA. 180+70  
 LT. STA. 181+12 TO STA. 184+76

\* EXISTING GUARDRAIL  
 (TO BE REMOVED)  
 RT. STA. 180+14 TO STA. 182+51  
 LT. STA. 179+93 TO STA. 183+82

\*\* TO ACCOMMODATE FUTURE  
 PROFILE CORRECTIONS

MODEL: \\MODELS\NAMES  
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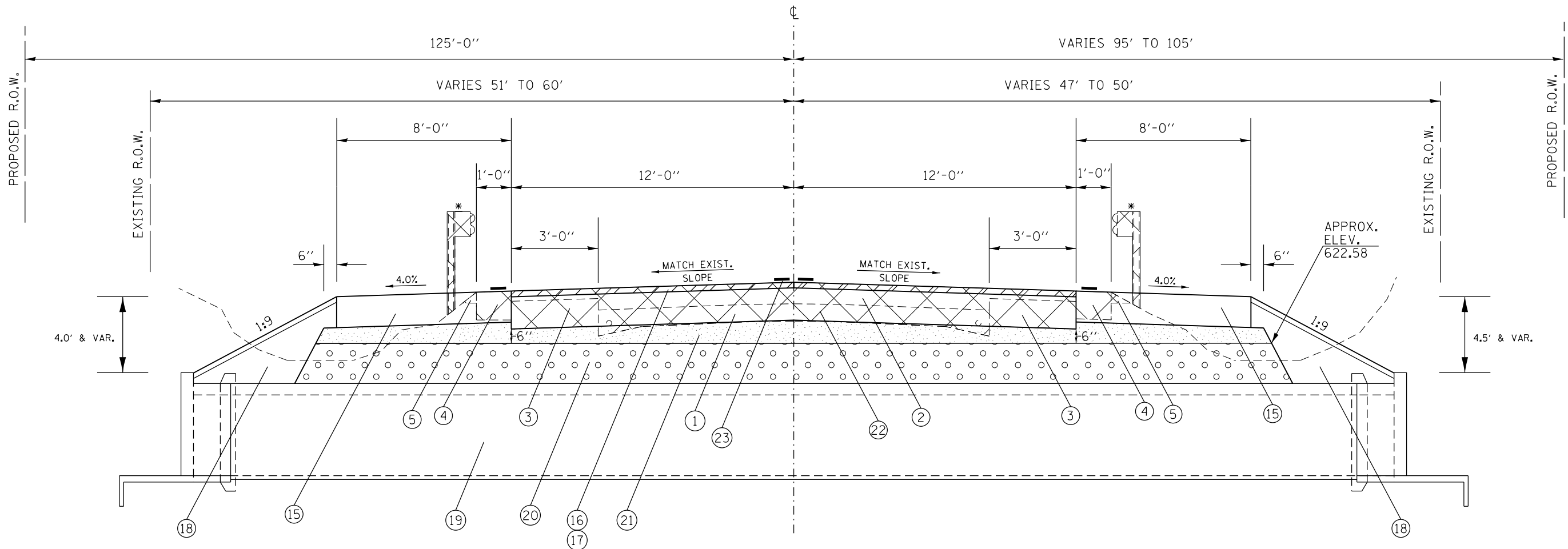
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING / PROPOSED TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	11
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				

EXISTING		PROPOSED	
①	9-6-9 PCC PAVEMENT TO BE REMOVED	⑮	8" HMA SHOULDER
②	5"± HMA OVERLAY'S	⑯	HMA SURFACE REMOVAL, 1-1/2"
③	8" HMA BASE CSE. WIDENING WITH 3" OVERLAY	⑰	HMA SURFACE COURSE, MIX D, N50 1-1/2"
④	6" HMA SHOULDER TO BE REMOVED	⑱	EARTH BACKFILL
⑤	AGGERGATE SHOULDER	⑲	8'X8' BOX CULVERT
		⑳	POROUS GRANULAR EMBANKMENT
		㉑	SUBBASE GRANULAR MATERIAL, TYPE A
		㉒	12" HMA BASE COURSE
		㉓	PAVEMENT MARKING
		㉔	AGGREGATE SHOULDER



IL ROUTE 98  
 RT. STA. 180+82 TO STA. 181+24  
 LT. STA. 180+70 TO STA. 181+12

\* EXISTING GUARDRAIL  
 (TO BE REMOVED)  
 RT. STA. 180+14 TO STA. 182+51  
 LT. STA. 179+93 TO STA. 183+82

\*\* TO ACCOMMODATE FUTURE  
 PROFILE CORRECTIONS

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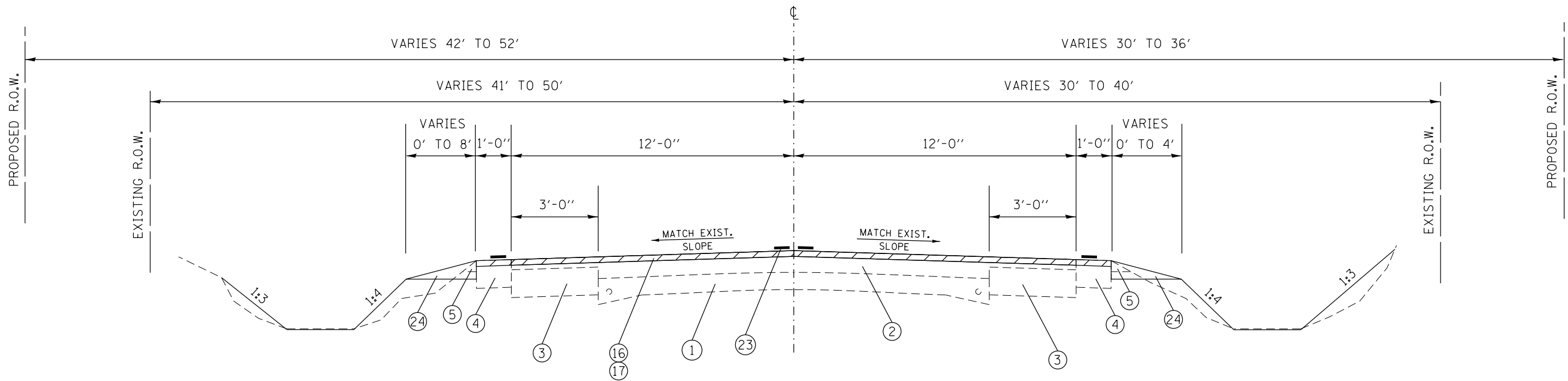
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING / PROPOSED TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	12
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				

LEGEND	
EXISTING	PROPOSED
① 9-6-9 PCC PAVEMENT	⑮ 8" HMA SHOULDER
② 5"± HMA OVERLAY'S	⑯ HMA SURFACE REMOVAL, 1-1/2"
③ 8" HMA BASE CSE. WIDENING WITH 3" OVERLAY	⑰ HMA SURFACE COURSE, MIX D, N50 1-1/2"
④ 6" HMA SHOULDER TO BE REMOVED	⑱ EARTH BACKFILL
⑤ AGGERGATE SHOULDER	⑲ 8'X8' BOX CULVERT
	⑳ POROUS GRANULAR EMBANKMENT
	㉑ SUBBASE GRANULAR MATERIAL, TYPE A
	㉒ 12" HMA BASE COURSE
	㉓ PAVEMENT MARKING
	㉔ AGGREGATE SHOULDER



**IL ROUTE 98**  
 RT. STA. 176+25 TO STA. 176+82  
 RT. STA. 183+00 TO STA. 185+00  
  
 LT. STA. 176+25 TO STA. 178+00  
 LT. STA. 184+76 TO STA. 185+00

\* EXISTING GUARDRAIL  
 (TO BE REMOVED)  
 RT. STA. 180+14 TO STA. 182+51  
 LT. STA. 179+93 TO STA. 183+82

\*\* TO ACCOMMODATE FUTURE  
 PROFILE CORRECTIONS

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

EXISTING / PROPOSED TYPICAL SECTIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	13
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				

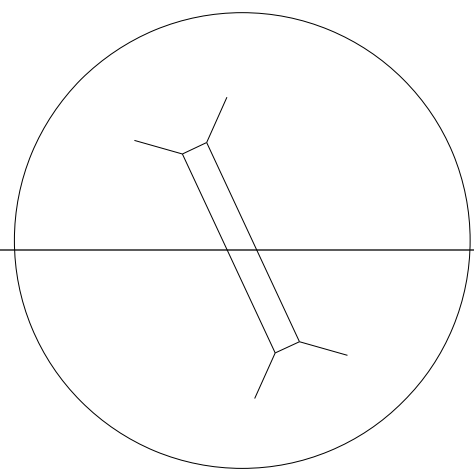
LINE DIAGRAM



EDGEWATER DR. (IL-98)

← PEKIN

COLE HOLLOW RD.



CULVERT REPLACEMENT LOCATION

CALIFORNIA RD.

OREGON LN.

MORTON →

AERIAL CONTROL (1/14/2010)				
POINT NO.	ROAD	D-2257 STATIC		ELEVATION
		GROUND COORDINATES		
		NORTHING	EASTING	
90921	IL 98	1434619.7088	2461912.9335	634.456

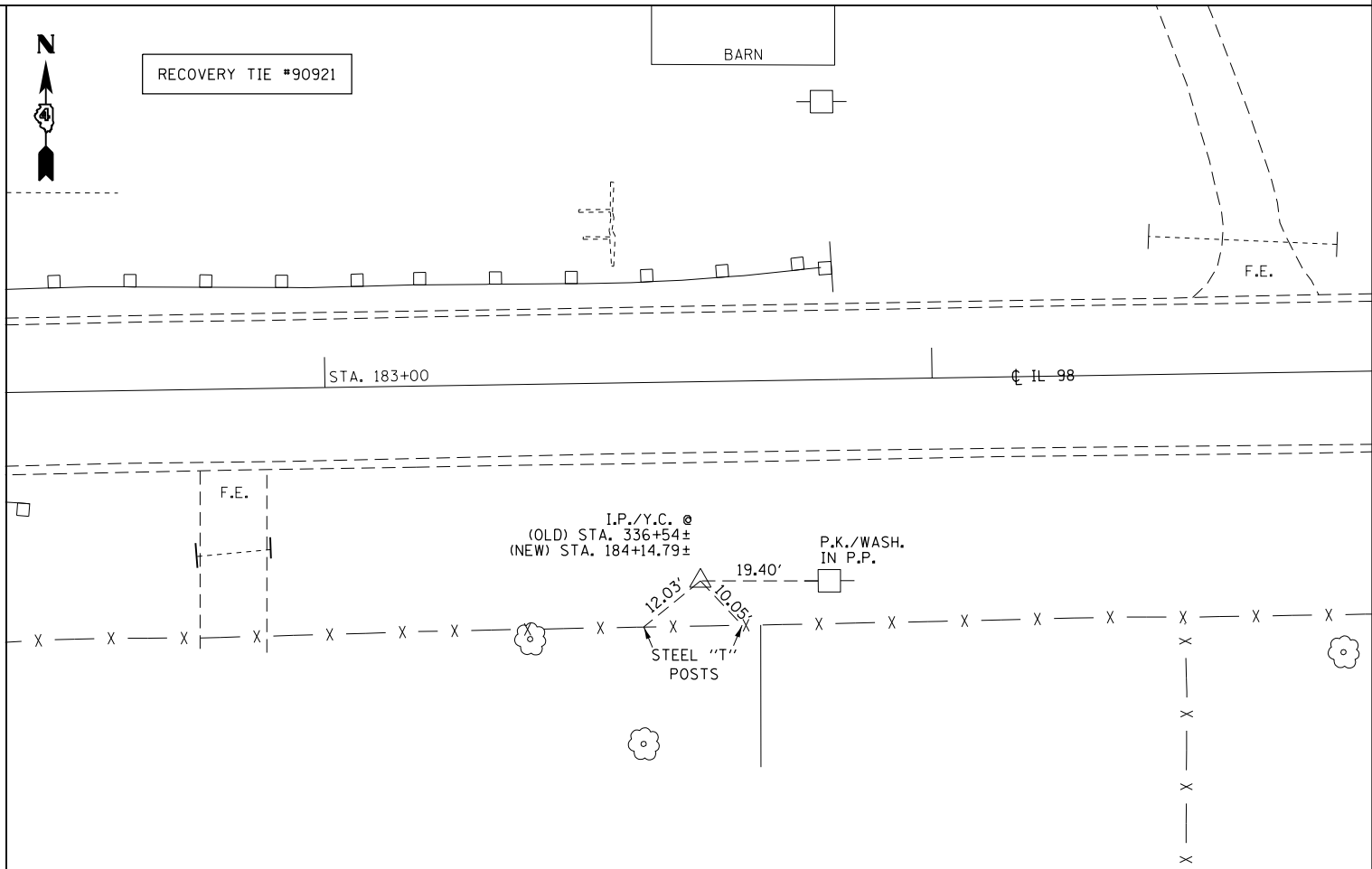
BENCHMARK INFO				
PT. I.D.	I.D. #	DATE	ADJ. ELEV.	DESCRIPTION
TBM - L	64	5/15/2012	630.225	Chis. '□' on top of conc. headwall at pavement sta. 336+00 (New Sta. 184+14.79), 23' ft. RT. of centerline.

\*INFORMATION TAKEN FROM SURVEY BOOK 2907A



RECOVERY TIE #90921

BARN



MODEL: 140BENMARKS  
FILE NAME: 311213

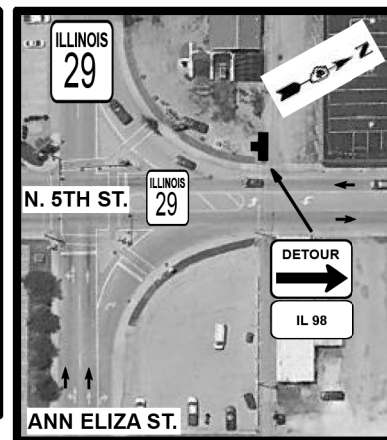
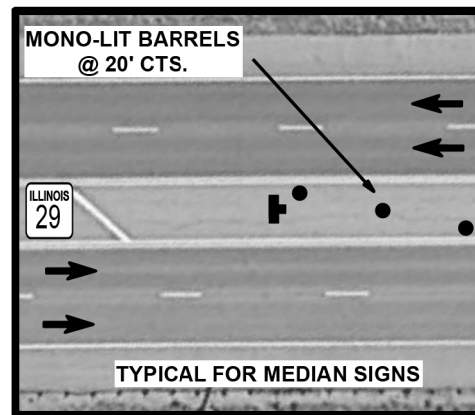
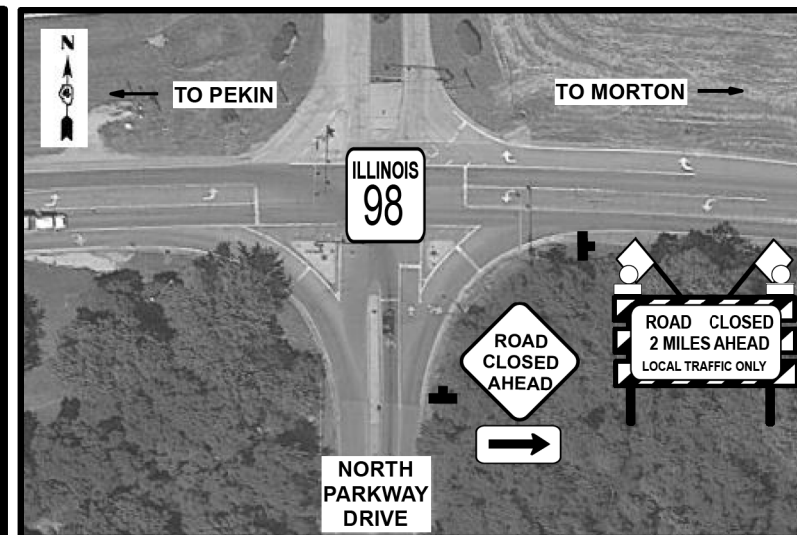
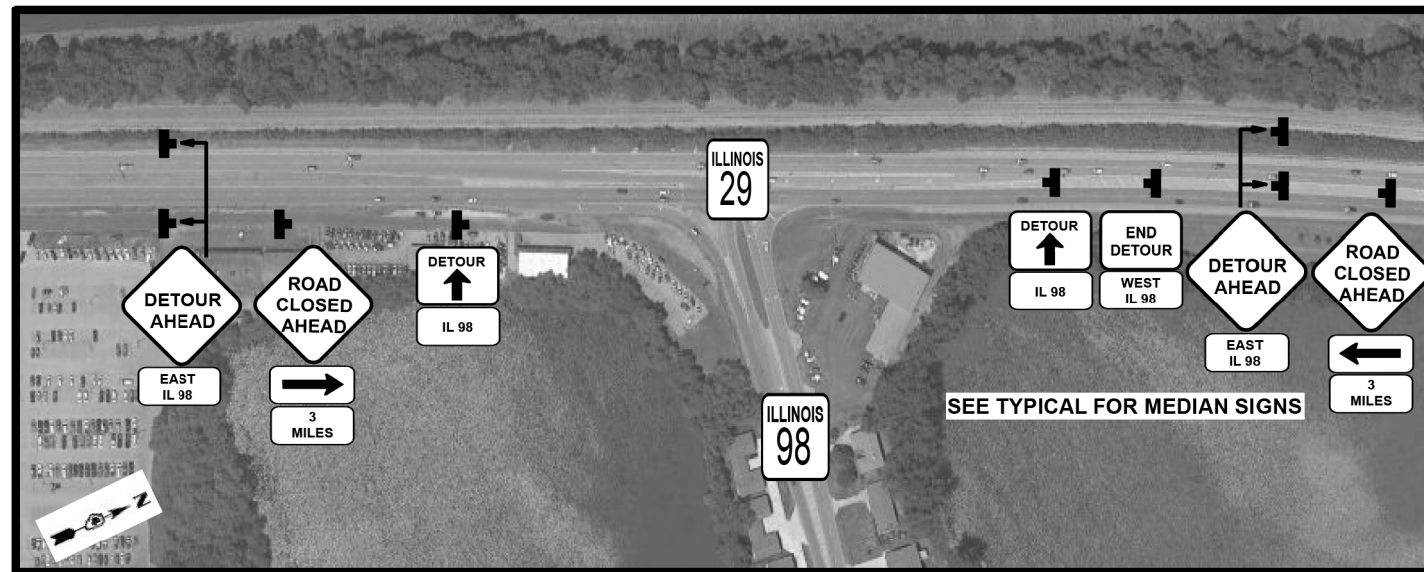
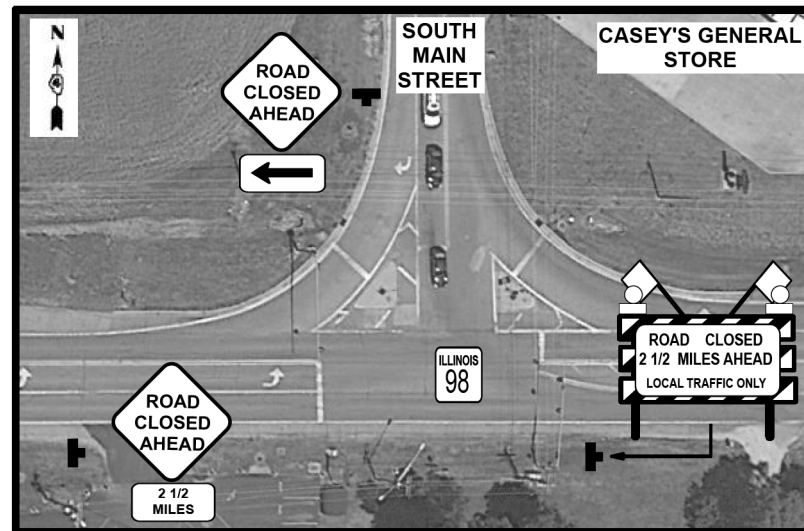
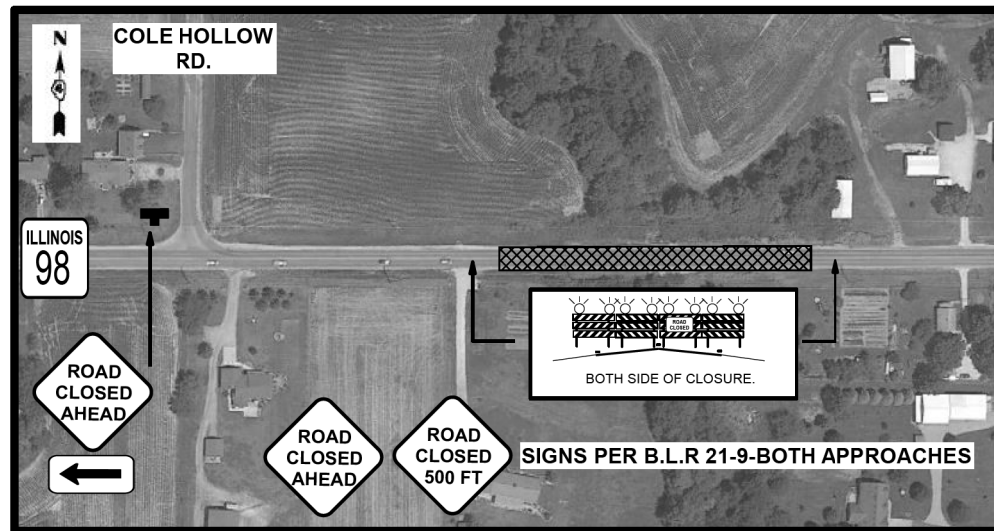
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PLOT DATE = \$DATE\$	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LINE DIAGRAM, CONTROL POINTS & TIES AND BENCHMARKS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	14
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				



MODEL: 140DELENAME  
FILE NAME: 37113

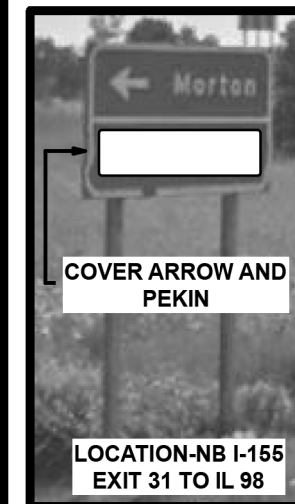
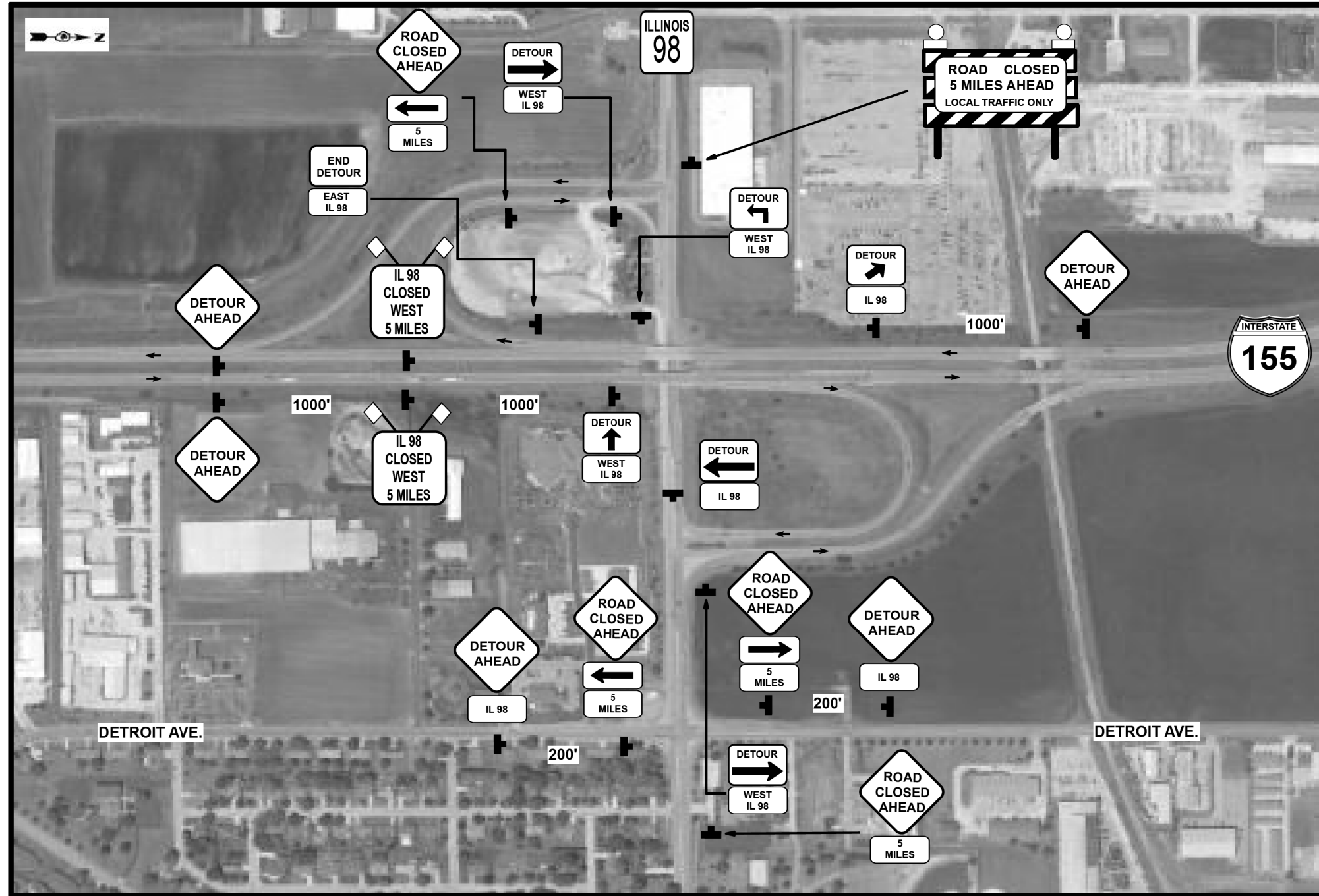
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PLOT DATE = \$DATES	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETOUR PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR		65	15
CONTRACT NO. 68C63			ILLINOIS FED. AID PROJECT	



MODEL: \\MODELS\BAMES  
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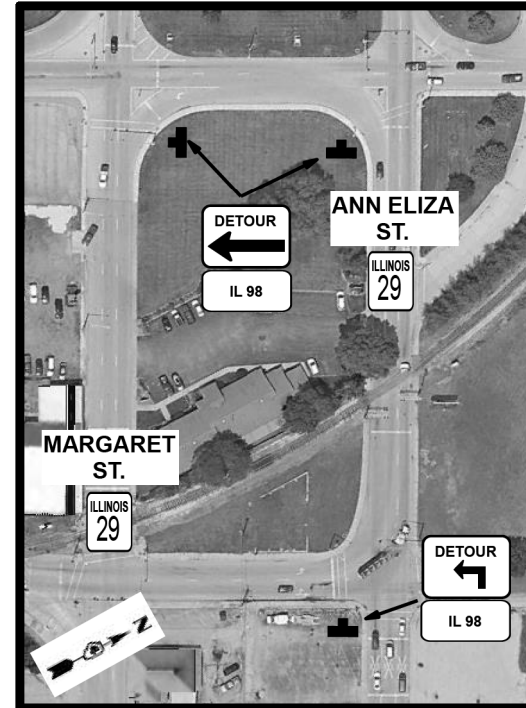
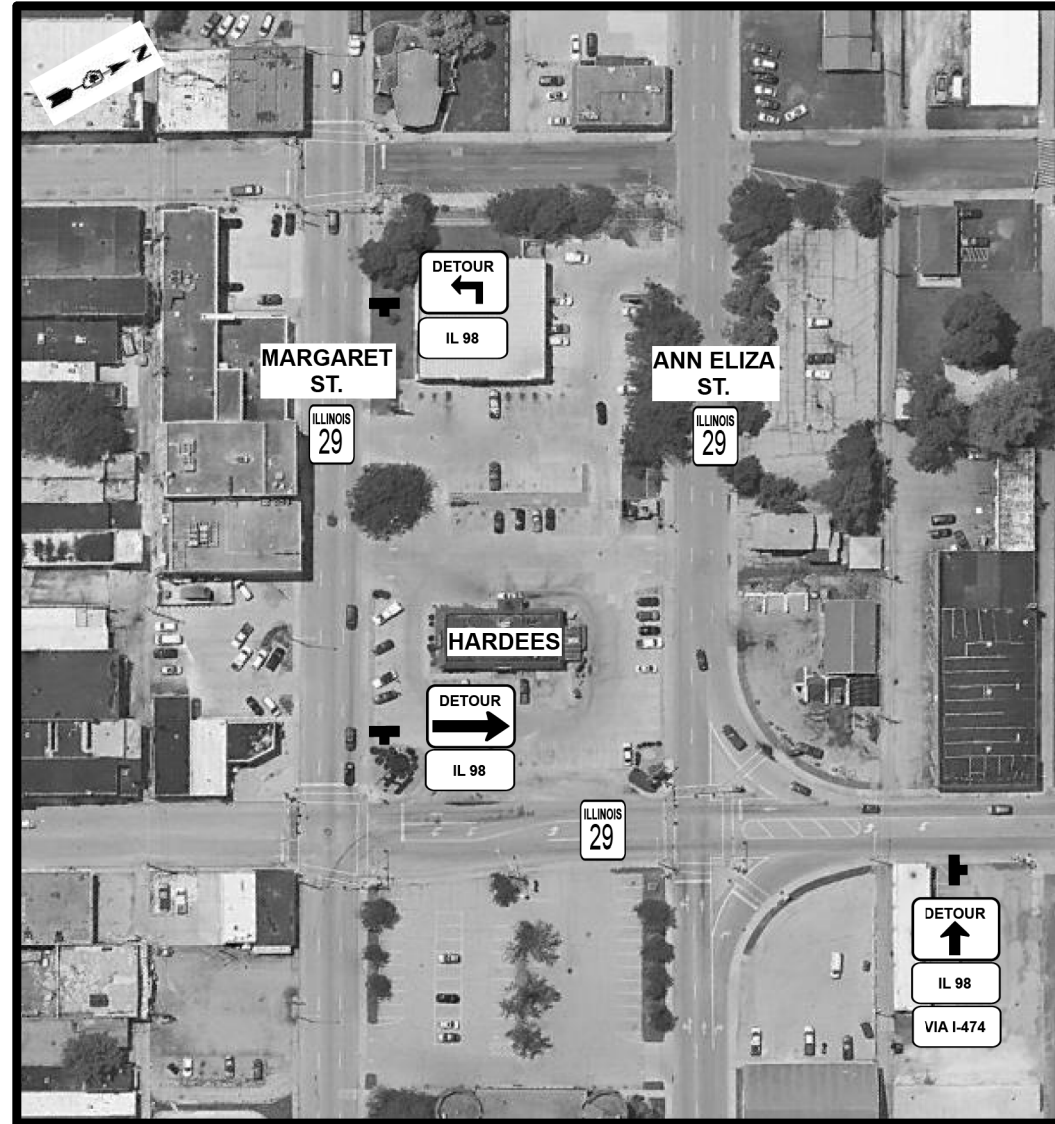
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETOUR PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	16
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				





**DETOUR SIGNS REQUIRED-NOT SHOWN ON MAP**

3 ASSEMBLIES WB I-74 TO WB I-474	2 ASSEMBLIES EB I-74 TO SB I-155	1 ASSEMBLY EB I-74 TO SB I-155
1 ASSEMBLY CALIFORNIA RD.	1 ASSEMBLY NB/SB SPRINGFIELD RD.	1 ASSEMBLY NORTHWEST CORNER SPRINGFIELD RD.

**SIGN SIZES**

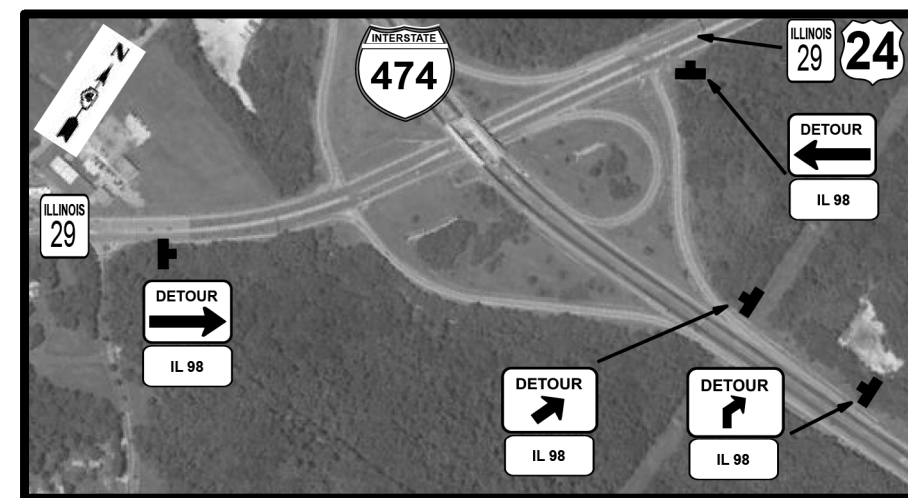
TYPICAL  
30 X 24 BLACK ON ORANGE

INTERSTATE  
48 X 36 BLACK ON ORANGE

IL 98	WEST IL 98
	5 MILES

TYPICAL- 24 X 18  
BLACK ON WHITE

48 X 48 BLACK ON ORANGE



MODEL: \\MODELS\NAME1  
FILE: \\NAME1\STILES

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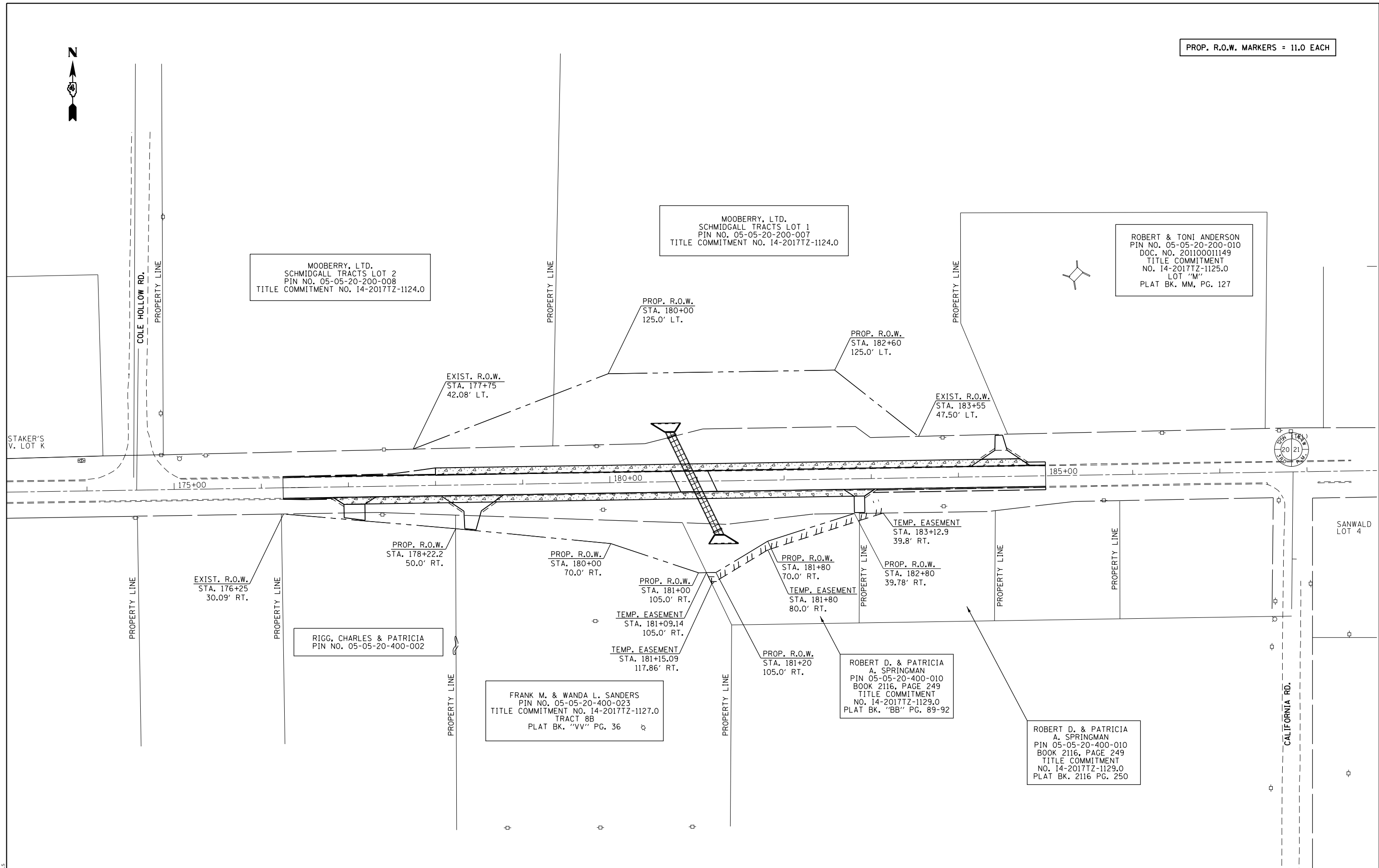
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	17
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				

PROP. R.O.W. MARKERS = 11.0 EACH



MODEL: \\MODELS\NAME FILES\NAME.PLT

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	DRAWN -	REVISED -
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PLOT DATE = \$DATE	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

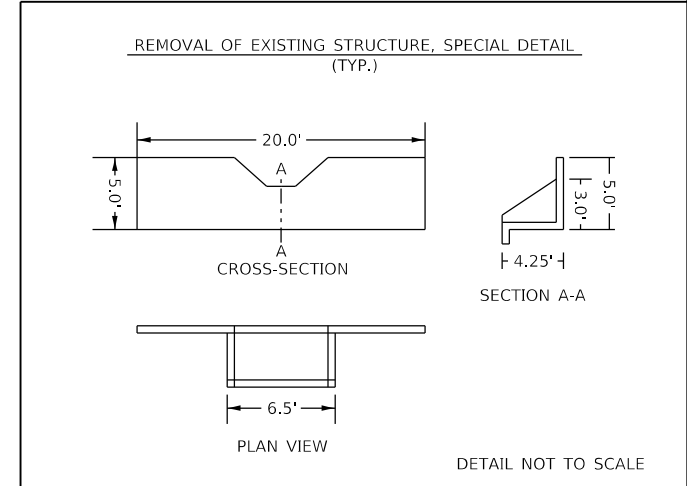
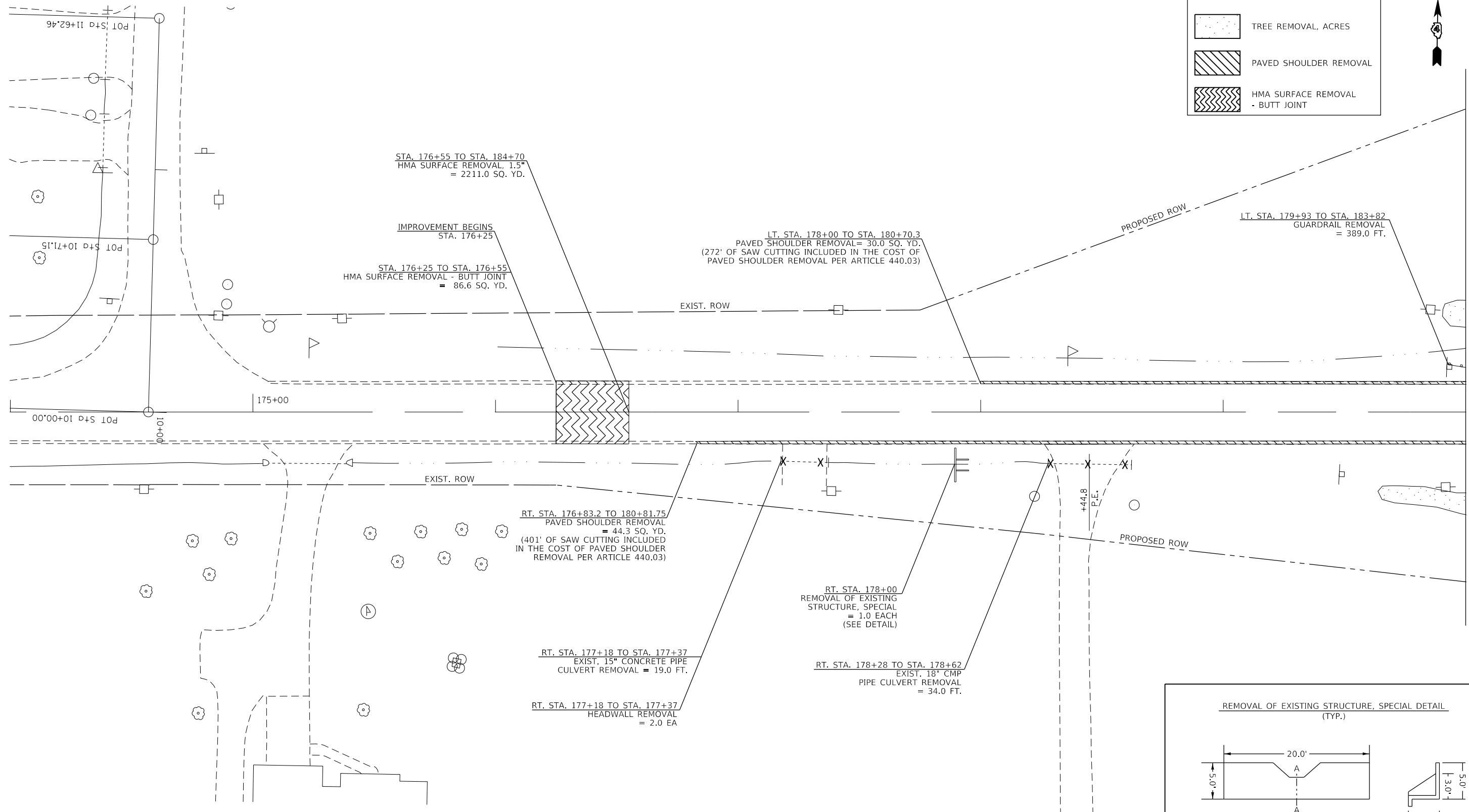
**RIGHT OF WAY PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	18
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				

**X X REMOVAL ITEMS**

- TREE REMOVAL, ACRES
- PAVED SHOULDER REMOVAL
- HMA SURFACE REMOVAL - BUTT JOINT



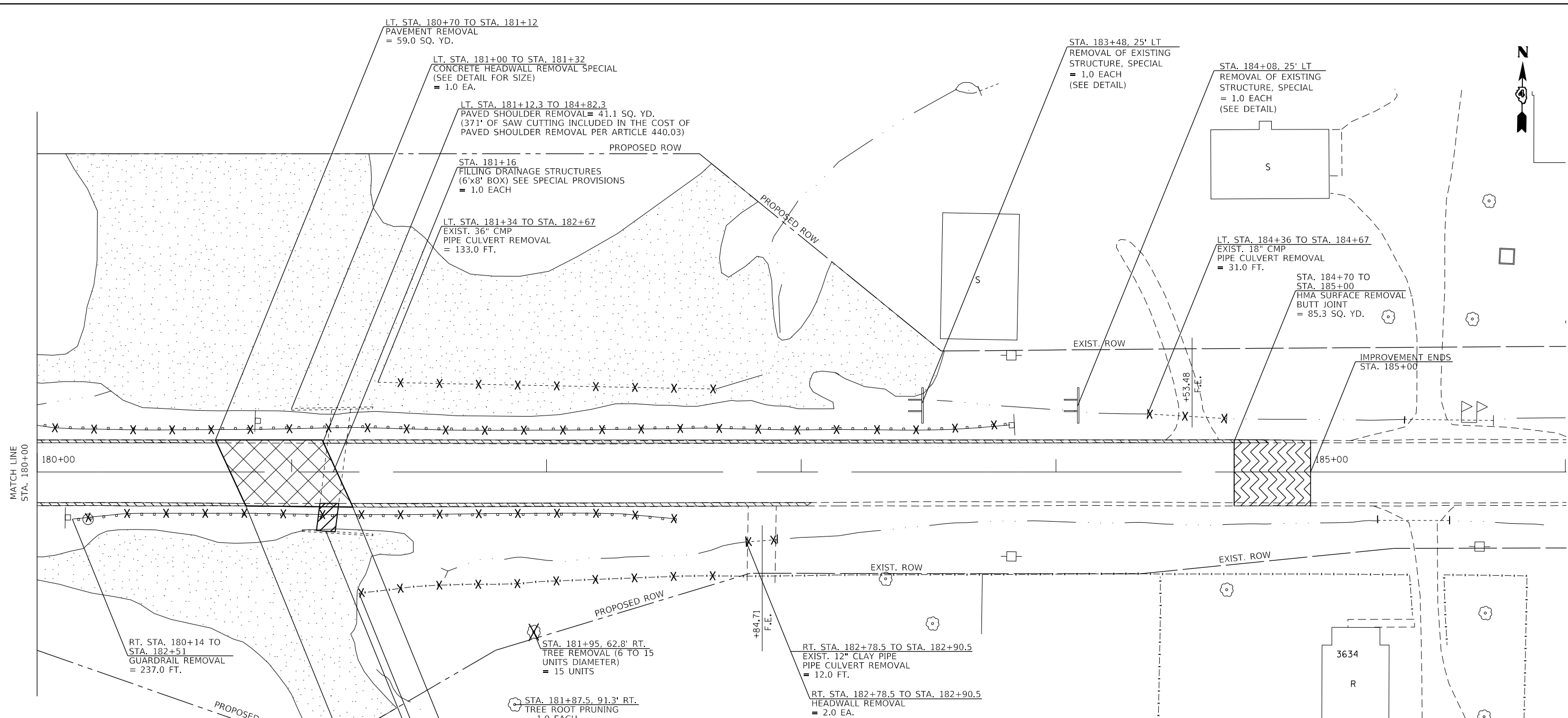
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PLOT DATE = \$DATES	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

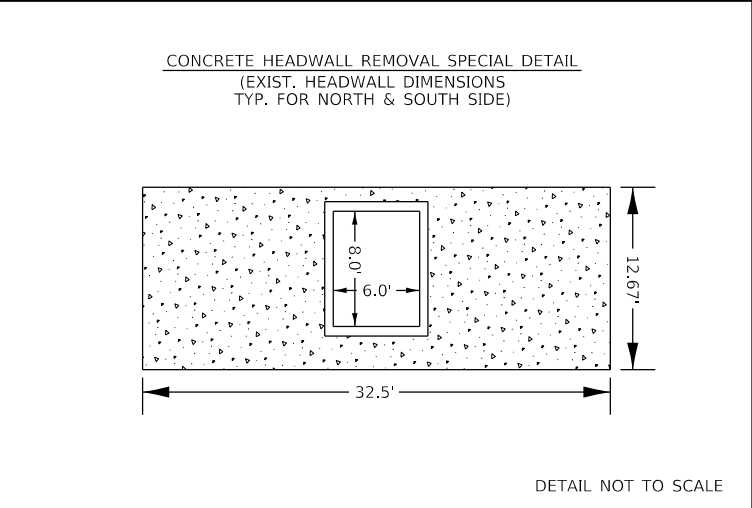
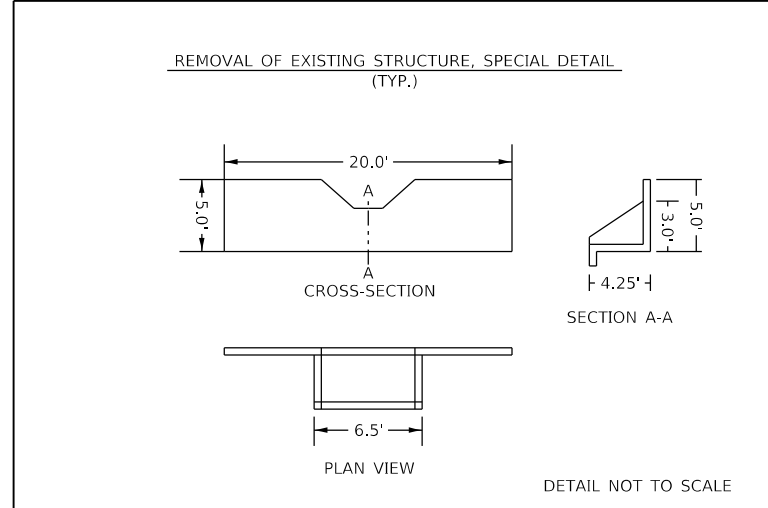
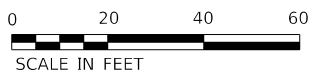
<b>REMOVAL PLAN</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	19
CONTRACT NO. 68C63				
ILLINOIS		FED. AID PROJECT		



**Legend**

- PAVEMENT REMOVAL = 122.0 SQ. YD.
- REMOVAL ITEMS
- BOX CULVERT REMOVAL = 11.0 FT.
- TREE REMOVAL, ACRES = 0.75 ACRES
- PAVED SHOULDER REMOVAL
- HMA SURFACE REMOVAL - BUTT JOINT



USER NAME = \$USERS	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

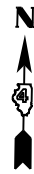
**REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	20
CONTRACT NO. 68C63				
ILLINOIS		FED. AID PROJECT		

MODEL: \$MODELNAME\$  
FILE NUMBER: \$FILE\$

CENTERLINE ELEVATIONS FOR HMA BASE COURSE 12"	
STA.	ELEVATION
180+75.82	624.38
180+80.82	624.36
180+85.82	624.33
180+90.82	624.30
180+95.82	624.28
181+00.82	624.26
181+05.82	624.26
181+10.82	624.25
181+15.82	624.25
181+17.73	624.25



PROP. 8'X8' PRECAST BOX CULVERT  
AND CAST-IN-PLACE END SECTIONS  
SEE BOX CULVERT END SECTION  
DETAILS

STA. 180+66.60 TO 181+27.10  
SUBBASE GRANULAR MATERIAL, TYPE A  
= 49.0 CU. YD.  
HMA BASE COURSE 12"  
(SEE TABLE FOR Q. ELEVATIONS)  
= 112.0 SQ. YD.

STA. 180+00 TO STA. 181+50  
STONE RIPRAP CLASS A5  
= 763.4 TONS  
FILTER FABRIC  
= 829.2 SQ. YD.  
(FOR INFORMATION ONLY:  
STONE RIPRAP CLASS A1  
= 277.6 TONS)

STA. 178+00 TO STA. 180+00  
STONE RIPRAP CLASS B3  
= 84.6 TONS

STA. 178+00 TO STA. 184+82.3  
HMA SHOULDERS  
= 269.3 TONS

STA. 176+25 TO STA. 178+00  
AGGREGATE SHOULDER,  
TYPE B  
= 3.2 TONS

EXIST. ROW

PROJECT LIMITS  
STA. 176+25

176+00

PROP. FL

PROP. ROW

PROP. CONSTRUCTION LIMITS

PROP. ROW

EXISTING STREAM  
104'

MATCH LINE  
STA. 181+50

EXIST. ROW

STA. 176+25 TO STA. 176+80.4  
AGGREGATE SHOULDER, TYPE B  
= 0.70 TONS

STA. 176+50 TO STA. 176+81  
STONE RIPRAP CLASS B3  
= 12.6 TONS

STA. 176+82.3 TO STA. 183+04  
HMA SHOULDERS  
= 242.7 TONS

STA. 176+83.6, 26.4' RT  
PROP. FL ELEV. 631.47  
PIPE CULVERTS, CLASS D, TYPE 1 18"  
= 45.0 FT.  
END SECTIONS 18"  
= 1.0 EA.

STA. 176+94.5 TO STA. 177+18.5  
AGG. SURF. COURSE, TYPE A 8"  
= 45.2 SQ. YD.

STA. 177+28.5, 29.2' RT  
PROP. FL ELEV. 630.21  
END SECTIONS 18"  
= 1.0 EA.

STA. 178+17.7 TO 178+66.4  
AGG. SURF. COURSE, TYPE A 8"  
= 76.2 SQ. YD.

STA. 178+22, 32.5' RT  
PROP. FL ELEV. 627.23  
PIPE CULVERTS, CLASS D, TYPE 1 18"  
= 40.0 FT.  
END SECTIONS 18"  
= 1.0 EA.

STA. 178+62, 32.0' RT  
PROP. FL ELEV. 626.03  
END SECTIONS 18"  
= 1.0 EA.

STA. 180+00 TO 181+00  
STONE RIPRAP CLASS B3  
= 37.1 TONS

STA. 181+00 TO 181+80  
STONE RIPRAP CLASS A5  
= 290.4 TONS  
FILTER FABRIC  
= 375.6 SQ. YD.  
(FOR INFORMATION ONLY:  
STONE RIPRAP CLASS A1  
= 105.6 TONS)

PROP. CONSTRUCTION LIMITS

PROP. ROW

PROP. ROW



MODEL: S:\MODELS\NAMES  
FILE: NAMES: STILES

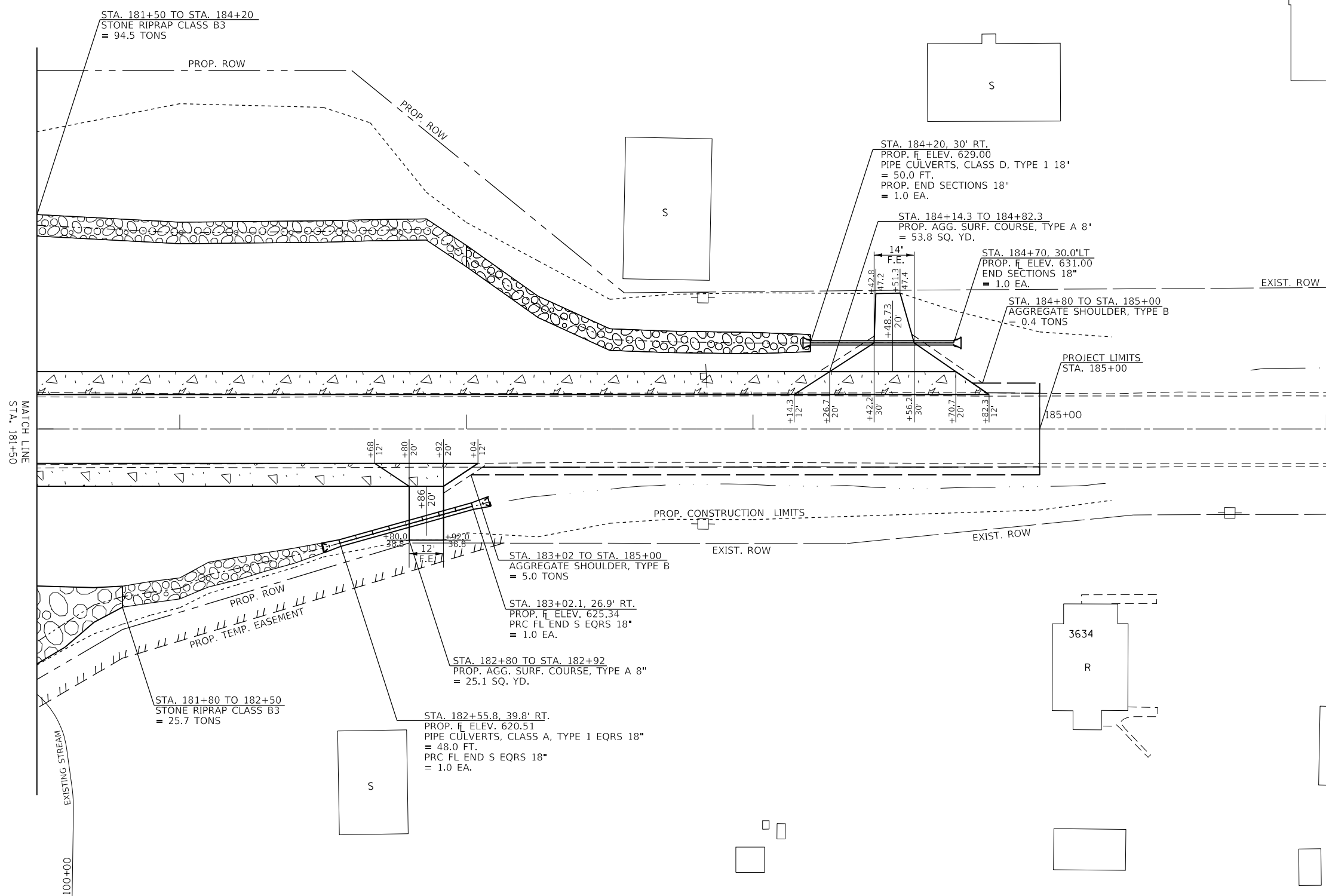
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	21
CONTRACT NO. 68C63				
ILLINOIS		FED. AID PROJECT		



MATCH LINE  
STA. 181+50

EXISTING STREAM  
100+00



MODEL: \\MODELS\NAME\FILES\NAME.PLT

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DRAWN -	REVISIONS -	
PLOT SCALE = \$SCALE	CHECKED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

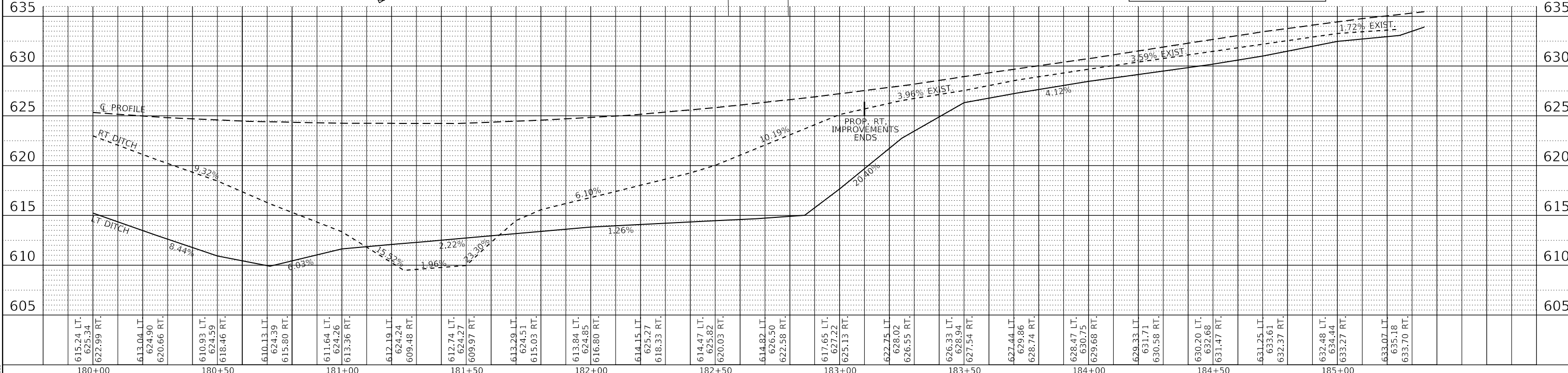
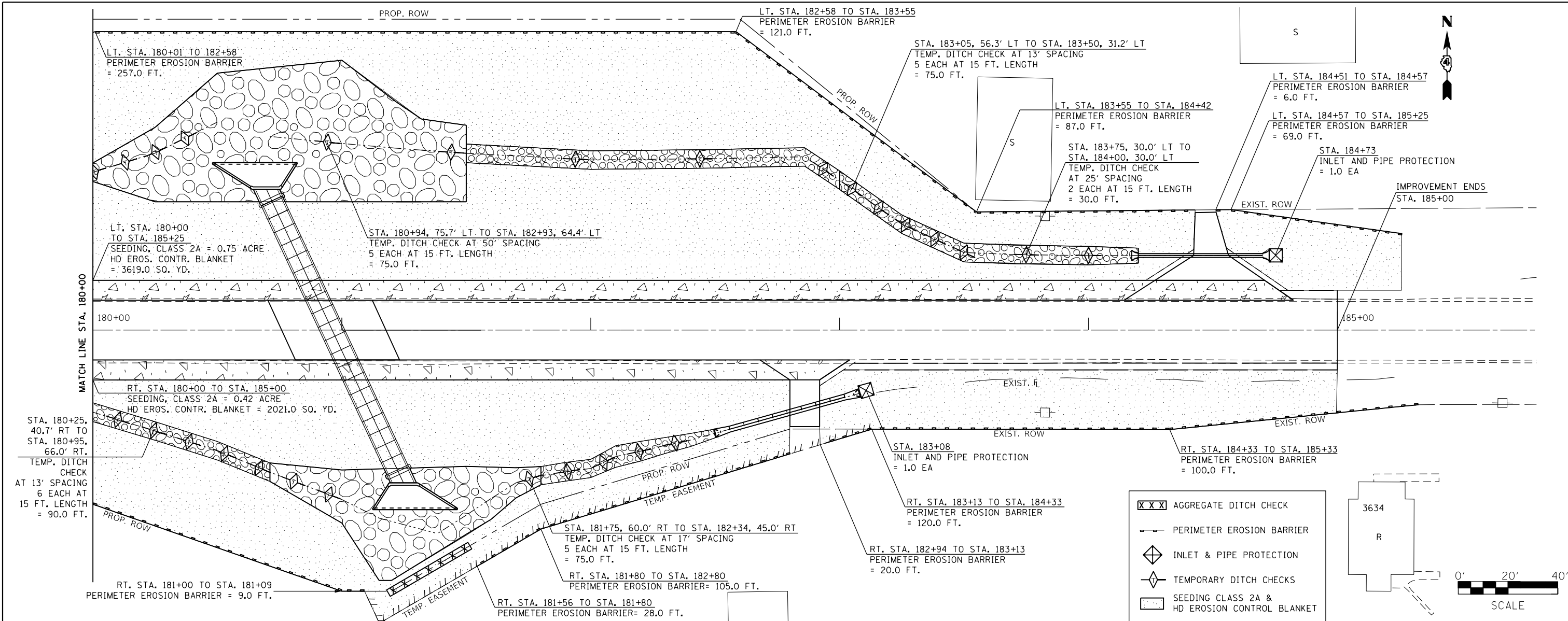
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	22
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
PLAN	
NO.	
NO.	
NO.	
NO.	
NO.	

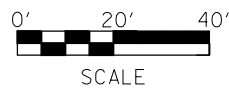
DATE	
BY	
PROFILE	
NO.	
NO.	
NO.	
NO.	
NO.	

MODEL: SPODELNAME  
FILE NAME: SFILES



**LEGEND**

- XXX AGGREGATE DITCH CHECK
- PERIMETER EROSION BARRIER
- ◆ INLET & PIPE PROTECTION
- ◇ TEMPORARY DITCH CHECKS
- ▨ SEEDING CLASS 2A & HD EROSION CONTROL BLANKET



USER NAME = \$USERS	DESIGNED -	REVISED -
PLOT SCALE = \$SCALES	DRAWN -	REVISED -
PLOT DATE = \$DATES	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

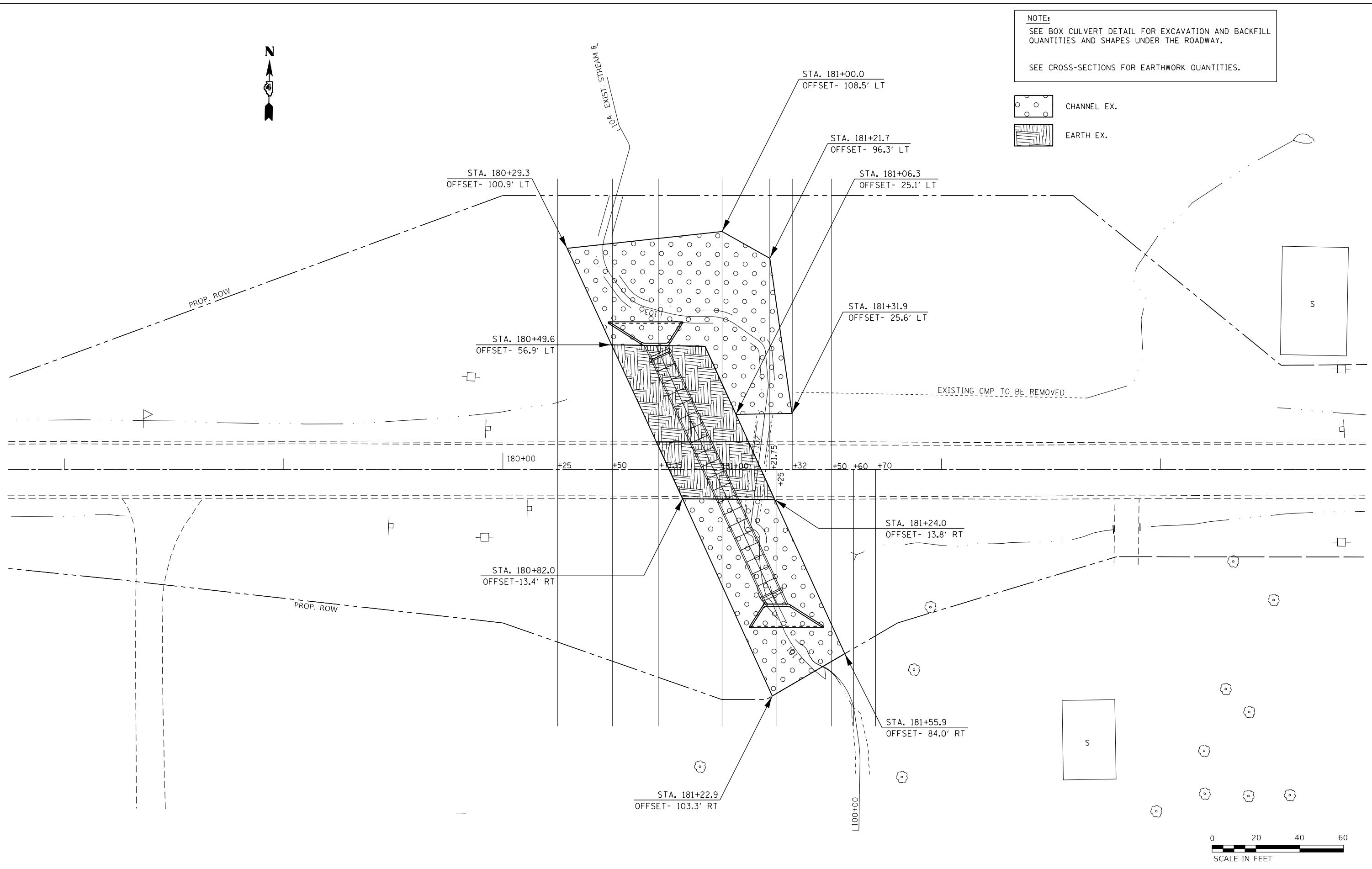
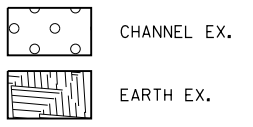
<b>PROPOSED DITCH PROFILES &amp; EROSION CONTROL PLAN</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.S. RTE. 2463	SECTION 8(C-1)CR	COUNTY TAZEWELL	TOTAL SHEETS 65	SHEET NO. 24
ILLINOIS				FED. AID PROJECT
CONTRACT NO. 68C63				





**NOTE:**  
 SEE BOX CULVERT DETAIL FOR EXCAVATION AND BACKFILL QUANTITIES AND SHAPES UNDER THE ROADWAY.  
 SEE CROSS-SECTIONS FOR EARTHWORK QUANTITIES.



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 FILE: \\MODEL\$.STL

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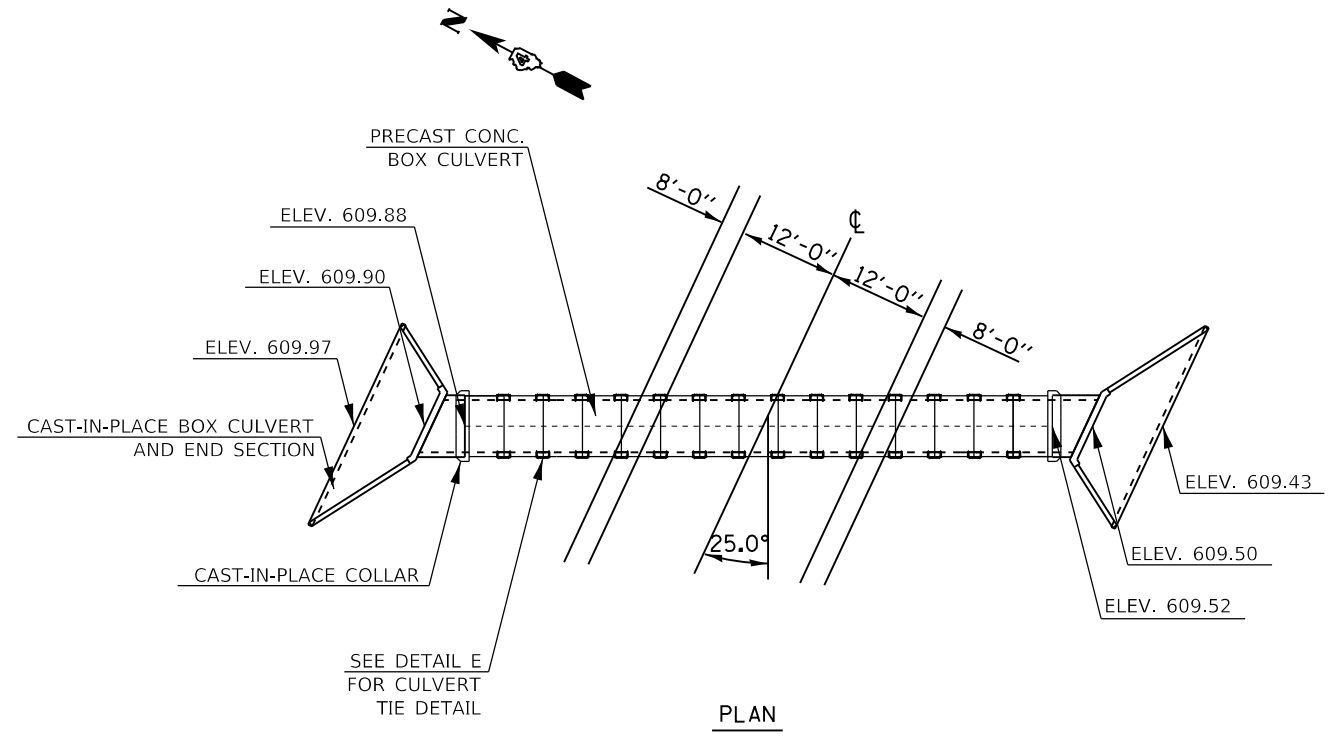
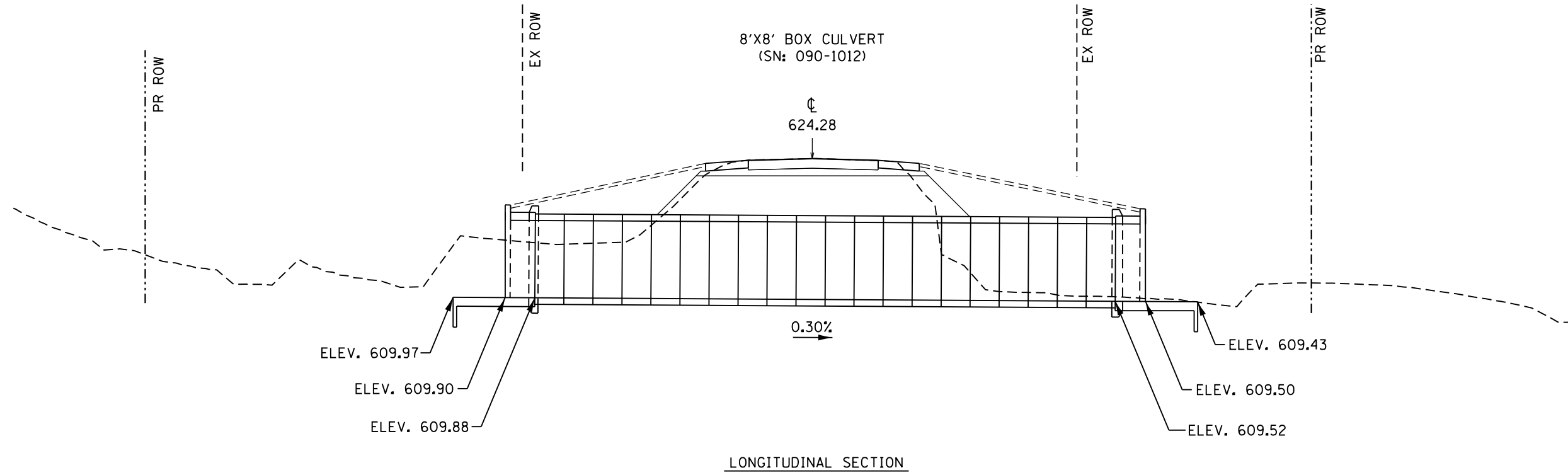
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EARTHWORK PLAN & RELATED CROSS-SECTION LOCATIONS**

SCALE:      SHEET      OF      SHEETS      STA.      TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	25
CONTRACT NO. 68C63				

ILLINOIS FED. AID PROJECT



**GENERAL NOTES:**

1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4"x2 1/4"x 1/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

See Special Provision entitled "PRECAST CONCRETE BOX CULVERTS (SPECIAL)".

DRAWING NOT TO SCALE

MODEL: \\MODELS\BAMES  
FILE NAME: 31113

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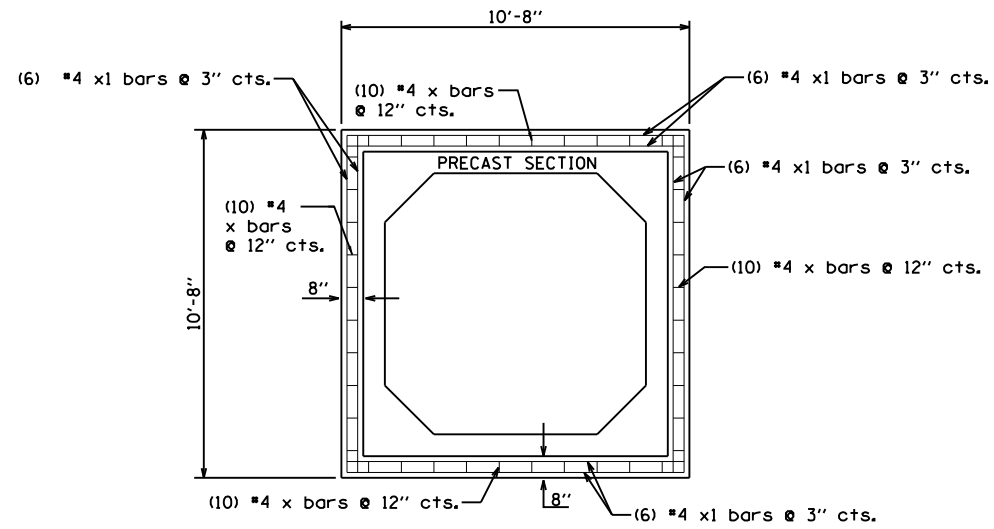
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BOX CULVERT END SECTION DETAILS**

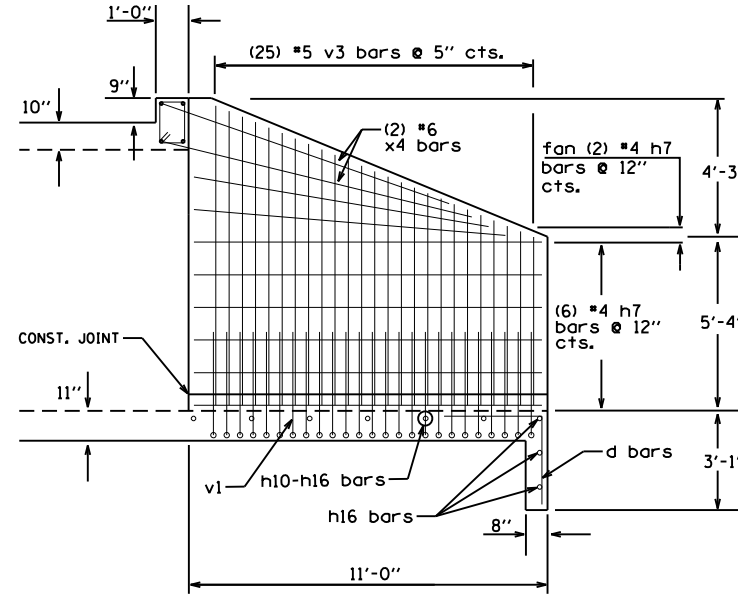
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	26
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				

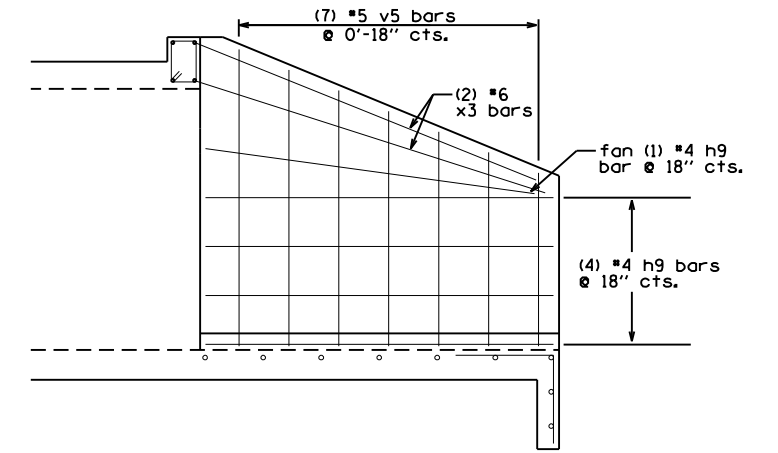




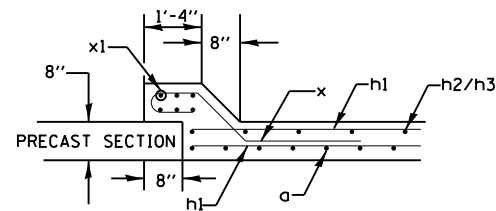
SECTION A-A  
COLLAR CONNECTION TO  
PRECAST CULVERT SECTION



OUTSIDE WALL

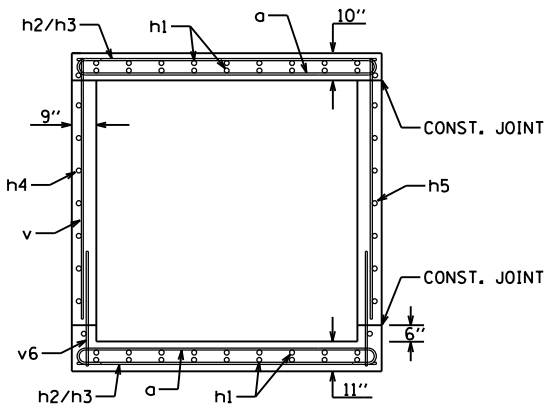


INSIDE WALL

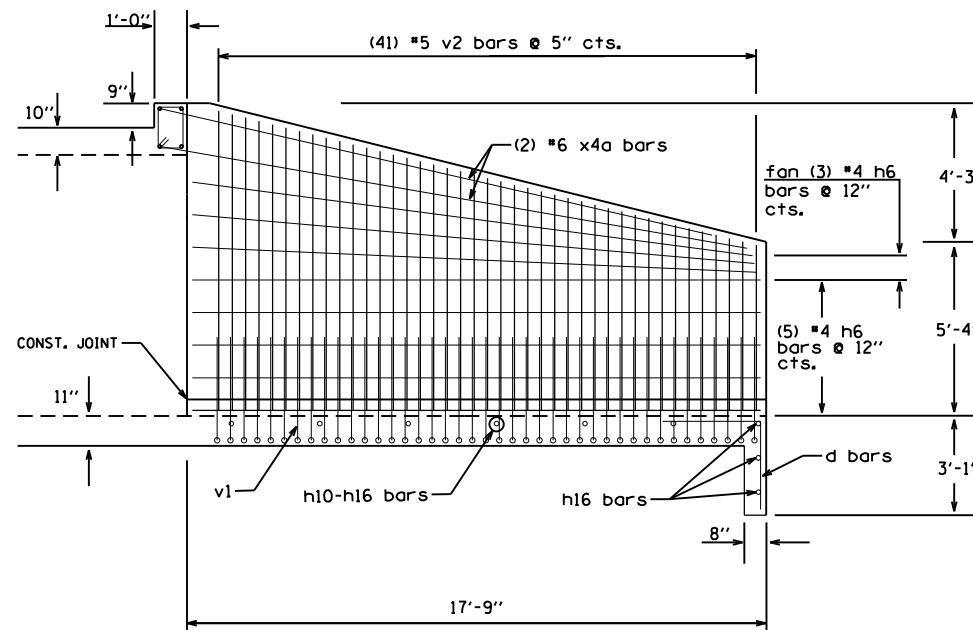


SECTION B-B  
CONNECTION OF PRECAST BOX  
CULVERT AND CAST-IN-PLACE COLLAR

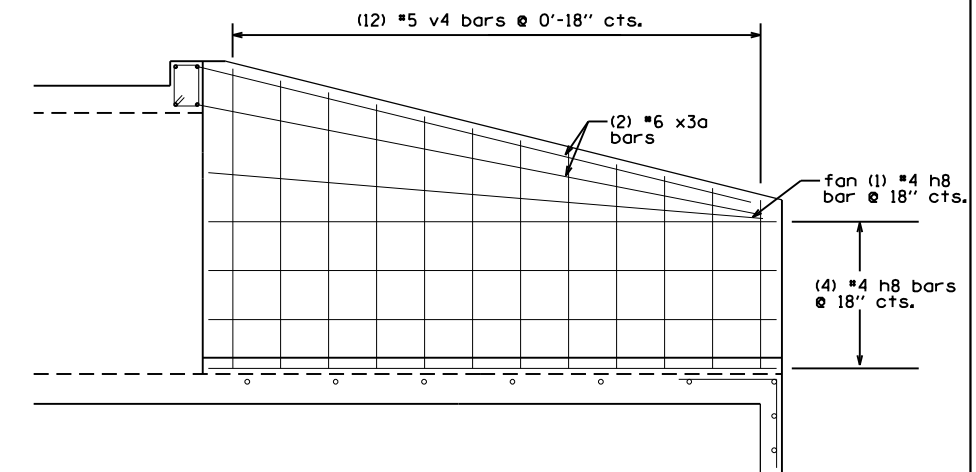
SECTION D-D  
SHORT WINGWALL



SECTION C-C  
CAST-IN-PLACE  
BARREL SECTION



OUTSIDE WALL



INSIDE WALL

SECTION E-E  
LONG WINGWALL

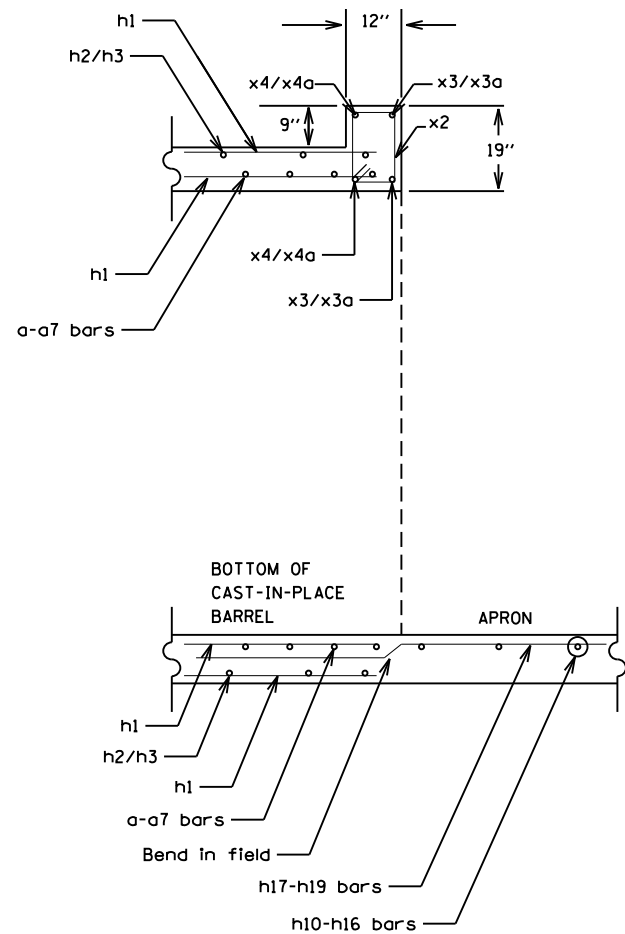
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BOX CULVERT END SECTION DETAILS

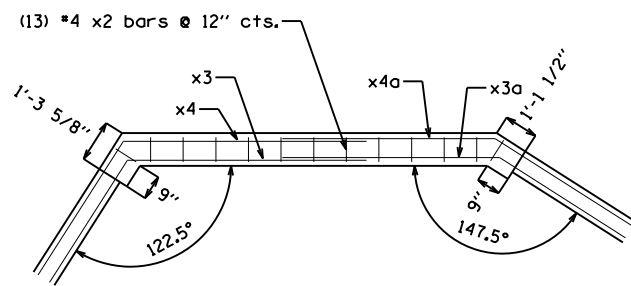
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SCALE: SHEET OF SHEETS STA. TO STA.

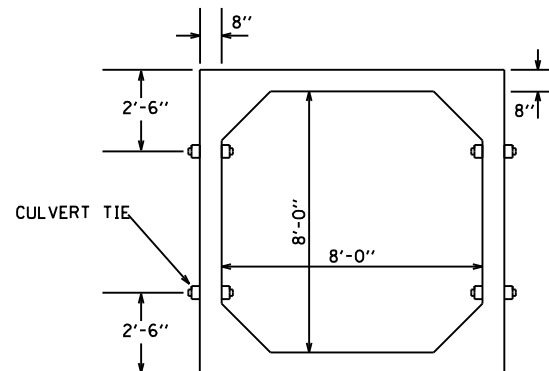
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2463	8(C-1)CR	TAZEWELL	65	28
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				



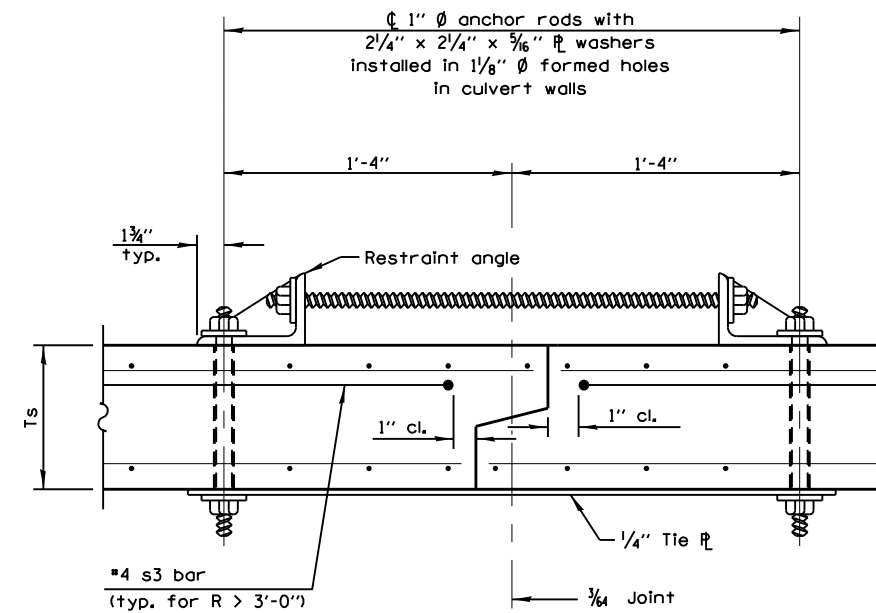
SECTION F-F  
HEADWALL & APRON



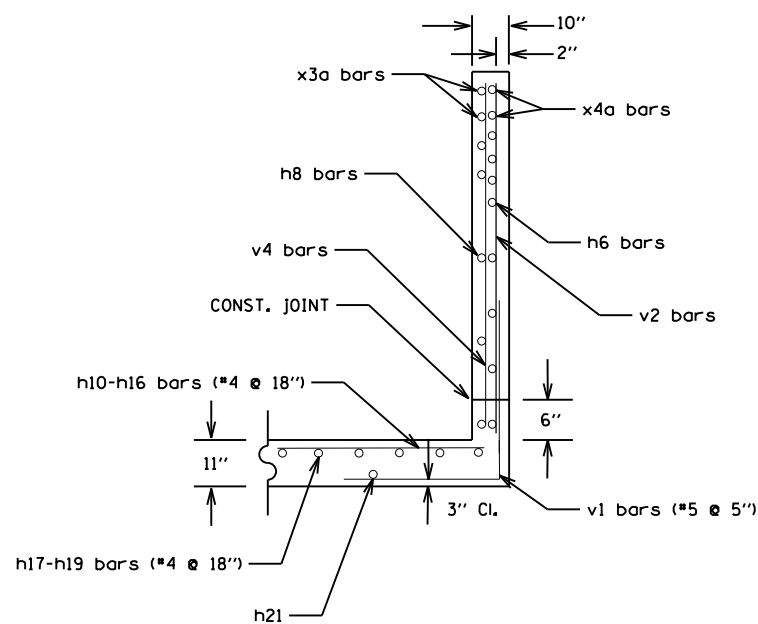
HEADWALL



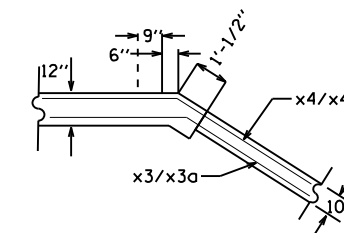
SECTION H-H  
SECTION THROUGH PRE-CAST BARREL



DETAIL E  
CULVERT TIE DETAIL



SECTION G-G  
WINGWALL CONNECTION  
TO APRON



CORNER DETAIL  
(TYPICAL BOTH CORNERS)

DRAWING NOT TO SCALE

MODEL: I:\MODELS\IAMES  
FILE NAME: STILES

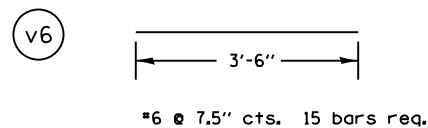
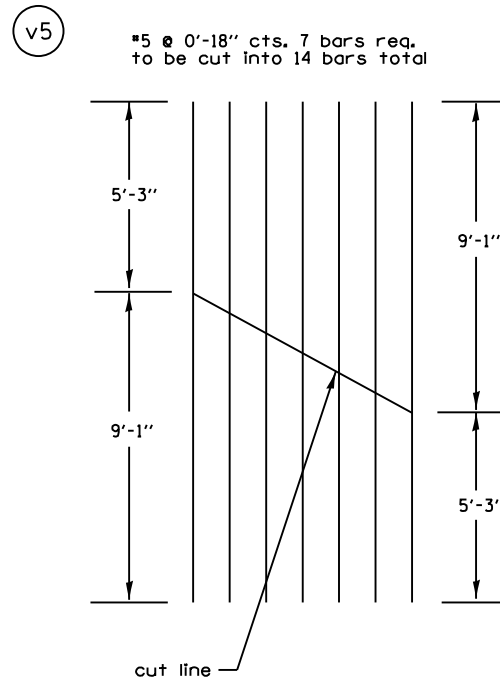
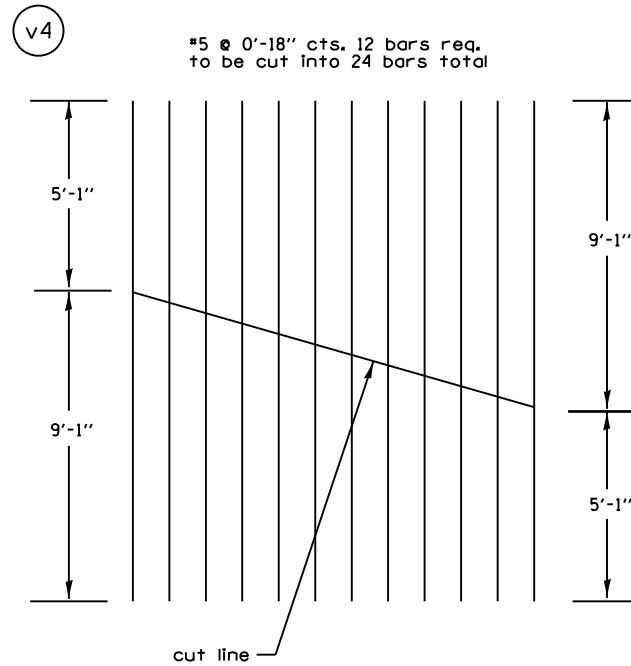
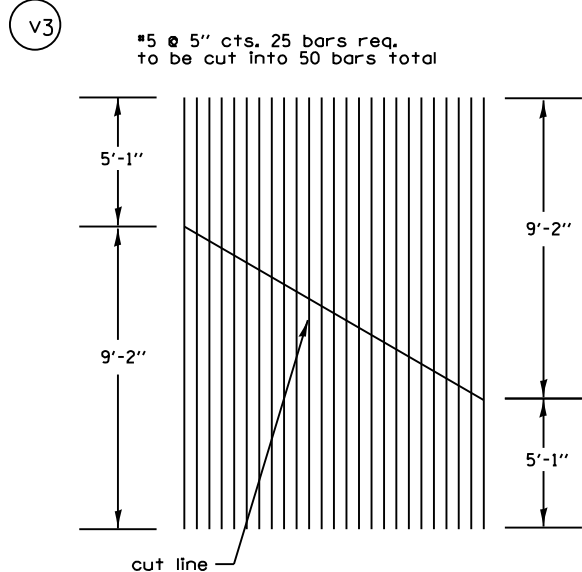
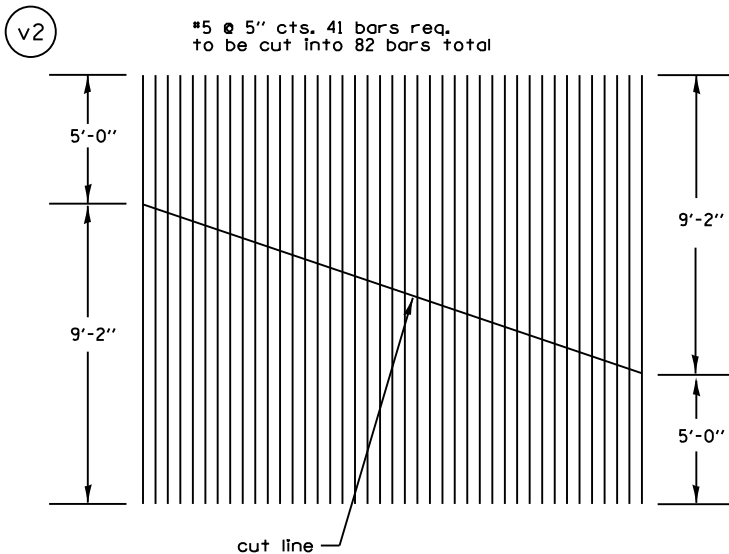
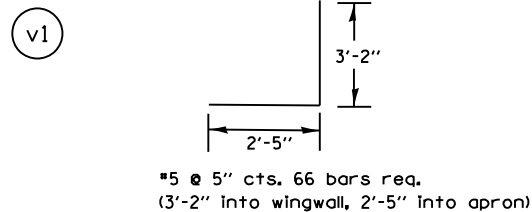
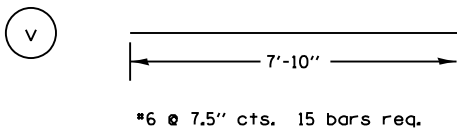
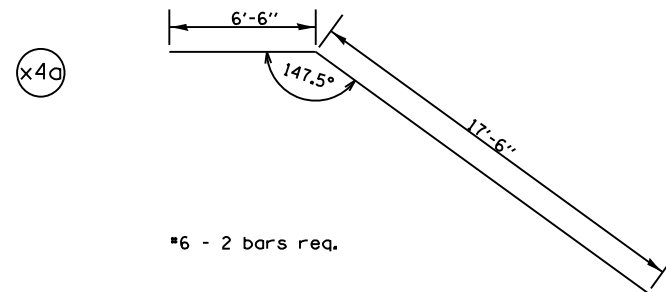
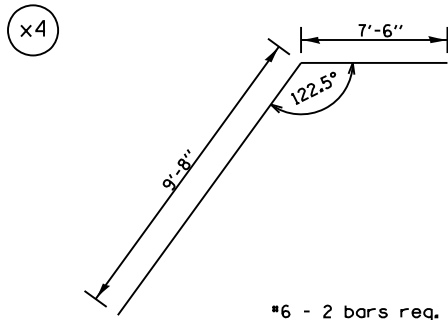
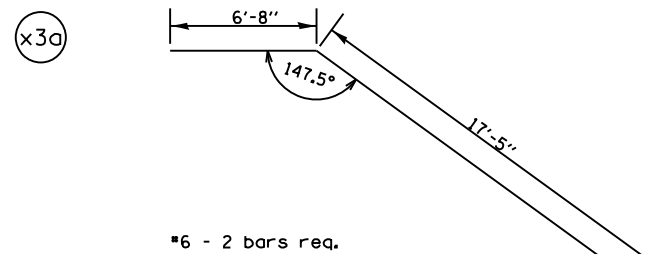
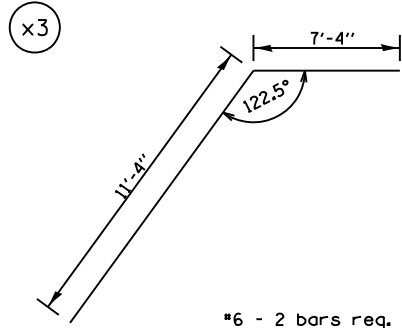
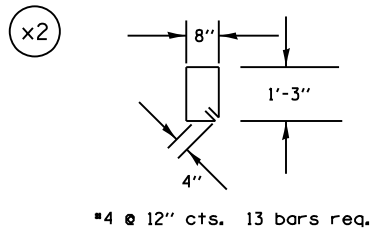
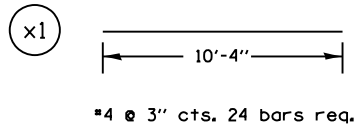
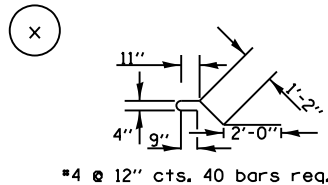
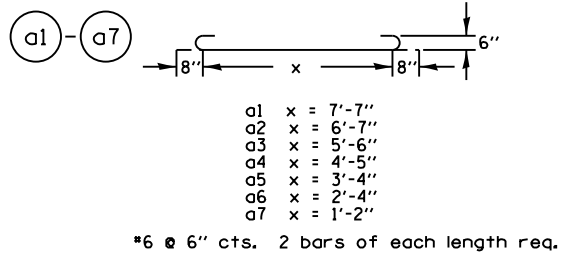
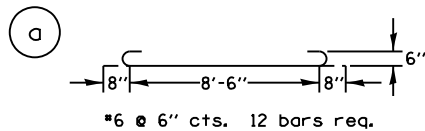
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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BOX CULVERT END SECTION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	29
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				



DRAWING NOT TO SCALE

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FILE: \\BAMES:STILES

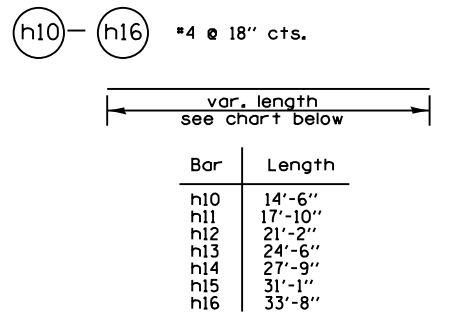
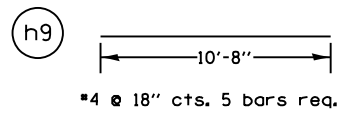
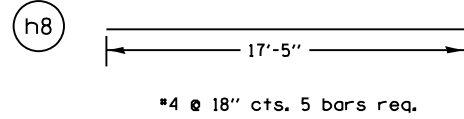
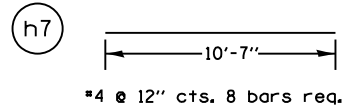
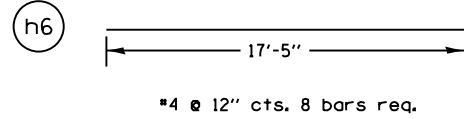
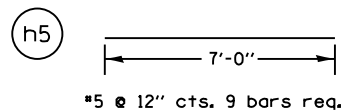
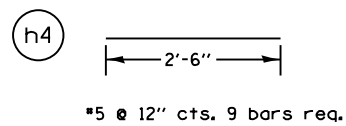
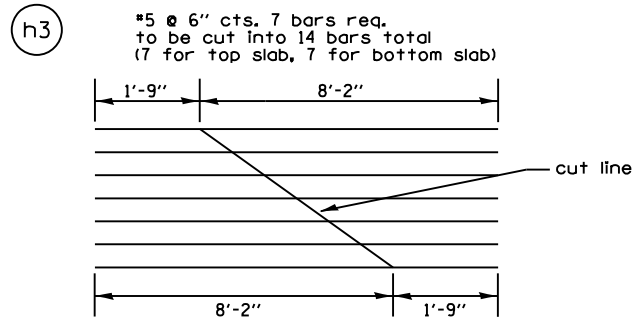
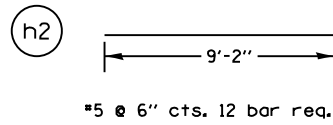
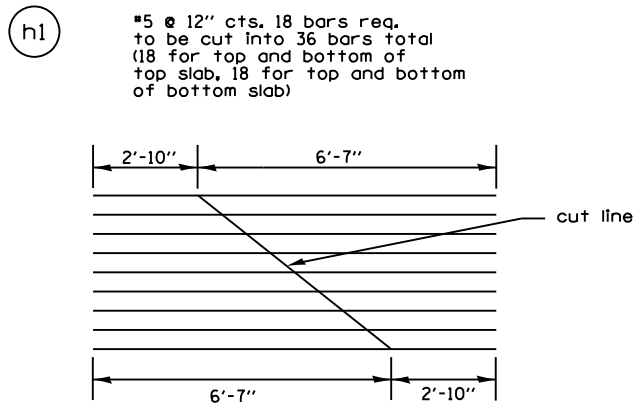
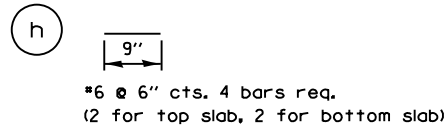
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BOX CULVERT END SECTION DETAILS

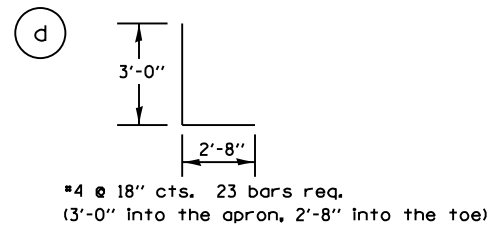
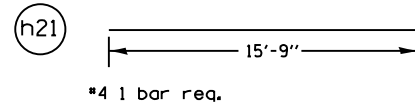
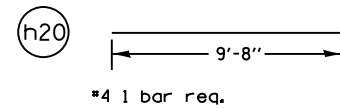
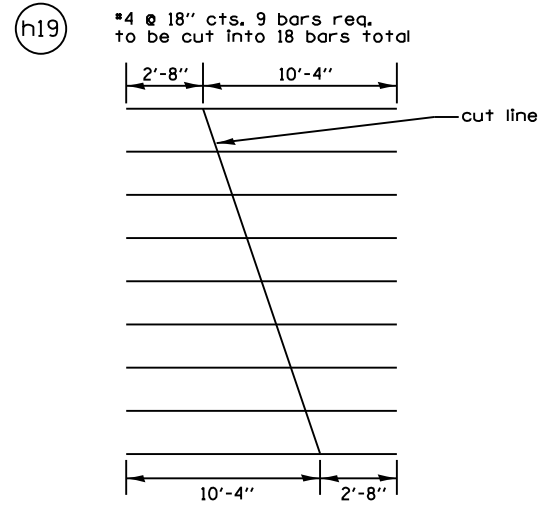
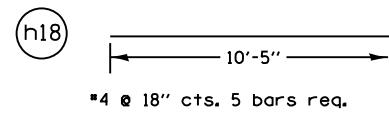
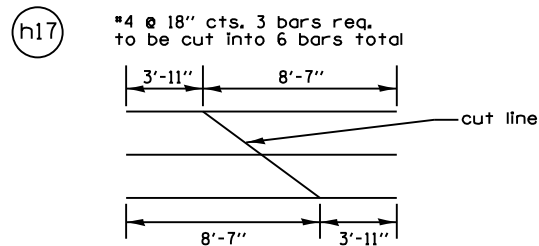
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	30
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				



h10-h15: 1 bar of each length is req.  
h16: 3 bars of stated length req. ( @ 1'-1" cts. of each other)

LENGTHS GIVEN IN THIS CHART DO NOT INCLUDE EXTRA LENGTH FOR LAPPING BARS.



BILL OF MATERIAL					
BAR	SIZE	LENGTH	NORTH SIDE NO.	SOUTH SIDE NO.	SHAPE
a	6	9'-10"	12	12	U
a1	6	8'-11"	2	2	U
a2	6	7'-11"	2	2	U
a3	6	6'-10"	2	2	U
a4	6	5'-9"	2	2	U
a5	6	4'-8"	2	2	U
a6	6	3'-8"	2	2	U
a7	6	2'-6"	2	2	U
x	4	5'-2"	40	40	L
x1	4	10'-4"	24	24	L
x2	4	4'-6"	13	13	L
x3	6	18'-8"	2	2	L
x3a	6	24'-1"	2	2	L
x4	6	17'-2"	2	2	L
x4a	6	24'-0"	2	2	L
v	6	7'-10"	15	15	L
v1	5	5'-7"	66	66	L
v2*	5	14'-2"	41	**	L
v3*	5	14'-3"	25	**	L
v4*	5	14'-2"	12	**	L
v5*	5	14'-4"	7	**	L
v6	6	3'-6"	15	15	L
h	6	9"	4	4	L
h1*	5	9'-5"	18	18	L
h2	5	9'-2"	12	12	L
h3*	5	9'-11"	7	7	L
h4	5	2'-6"	9	9	L
h5	5	7'-0"	9	9	L
h6	4	17'-5"	8	8	L
h7	4	10'-7"	8	8	L
h8	4	17'-5"	5	5	L
h9	4	10'-8"	5	5	L
h10	4	14'-6"	1	1	L
h11	4	17'-10"	1	1	L
h12	4	21'-2"	1	1	L
h13	4	24'-6"	1	1	L
h14	4	27'-9"	1	1	L
h15	4	31'-1"	1	1	L
h16	4	33'-8"	3	3	L
h17*	4	12'-6"	3	**	L
h18	4	10'-5"	5	5	L
h19*	4	13'-0"	9	**	L
h20	4	9'-8"	1	1	L
h21	4	15'-9"	1	1	L
d	4	5'-8"	23	23	L
CONCRETE		(YD <sup>3</sup> )	25.1	25.1	
REINFORCEMENT BARS		LBS			6312
CONC. BOX CULV.		YD <sup>3</sup>			50.2

\* REFER TO CUT DIAGRAM FOR TOTAL AMOUNT OF REBAR REQUIRED

\*\* BARS ACCOUNTED FOR IN NORTH SIDE CUT DIAGRAM

DRAWING NOT TO SCALE

MODEL: \\MODELS\BAMES  
FILE: \\BAMES: 31113

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
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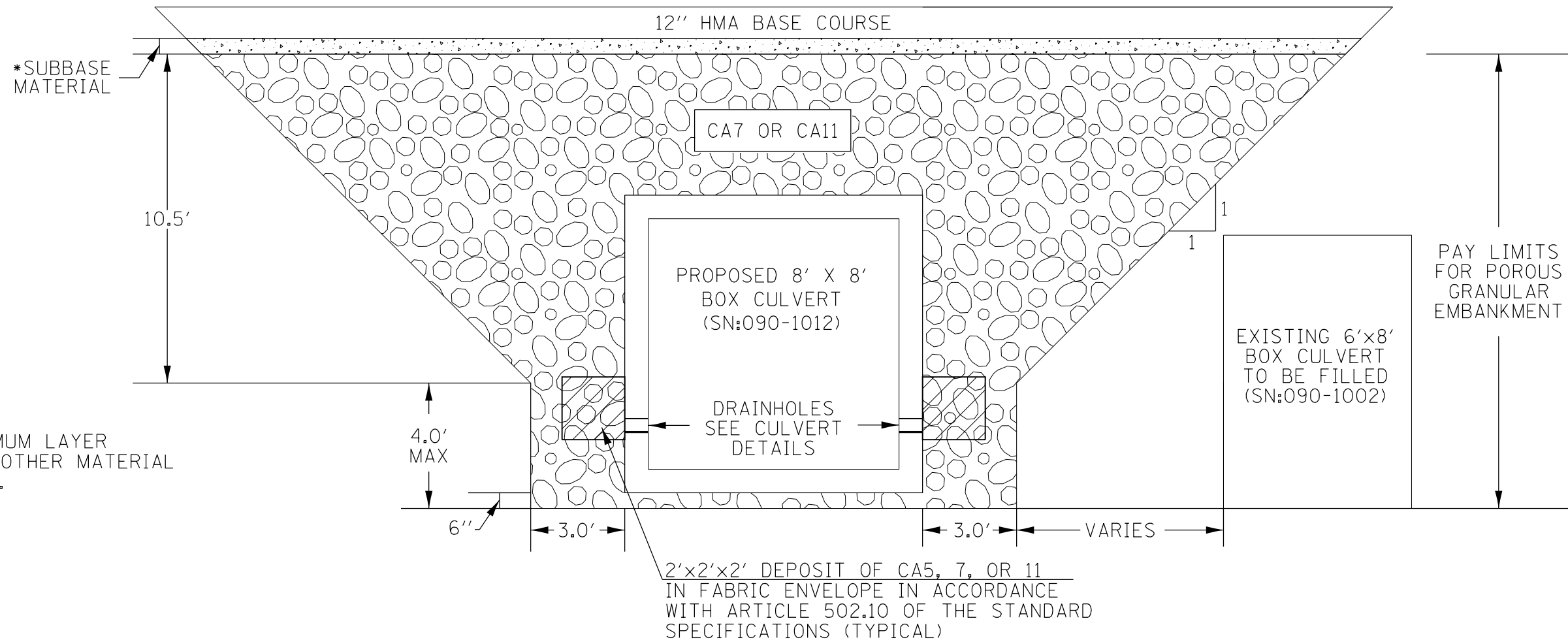
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BOX CULVERT END SECTION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	31
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				

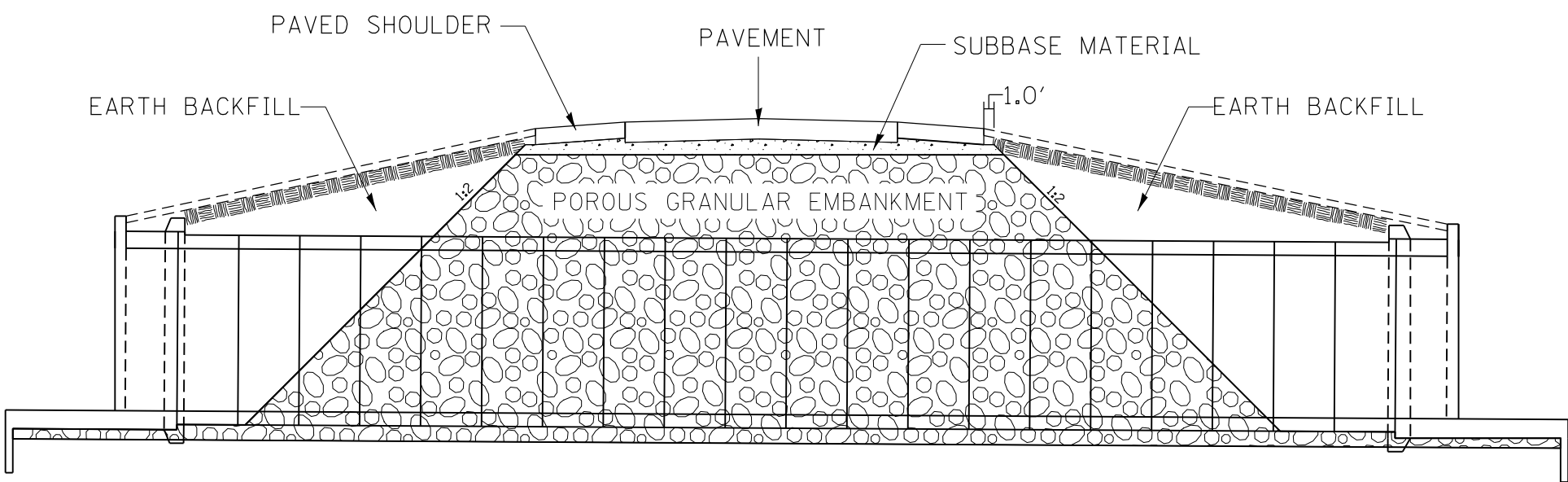
**ROADWAY PROFILE VIEW**



\* SUBBASE SHALL BE 6" MINIMUM LAYER OF CA6 CRUSHED STONE OR OTHER MATERIAL AS SPECIFIED IN THE PLANS.

2'x2'x2' DEPOSIT OF CA5, 7, OR 11 IN FABRIC ENVELOPE IN ACCORDANCE WITH ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS (TYPICAL)

**ROADWAY CROSS SECTION VIEW**



**NOTES:**

1. EXCEPT AS SPECIFIED IN THIS DETAIL, THE PLACEMENT AND COMPACTION OF BACKFILL SHALL BE IN ACCORDANCE WITH ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS.
2. POROUS GRANULAR EMBARKMENT SHALL BE PLACED IN ACCORDANCE WITH SECTION 207 OF THE STANDARD SPECIFICATIONS.
3. A 6" MINIMUM LAYER OF POROUS GRANULAR EMBANKMENT SHALL BE PLACED BELOW THE ELEVATION OF THE BOTTOM OF BOX CULVERT.

MODEL: 84082EMMIES  
FILE: 84082M: 87125

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	DRAWN -	REVISED -
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PLOT DATE = \$DATES	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXCAVATION AND BACKFILL FOR BOX CULVERT DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 68C63	



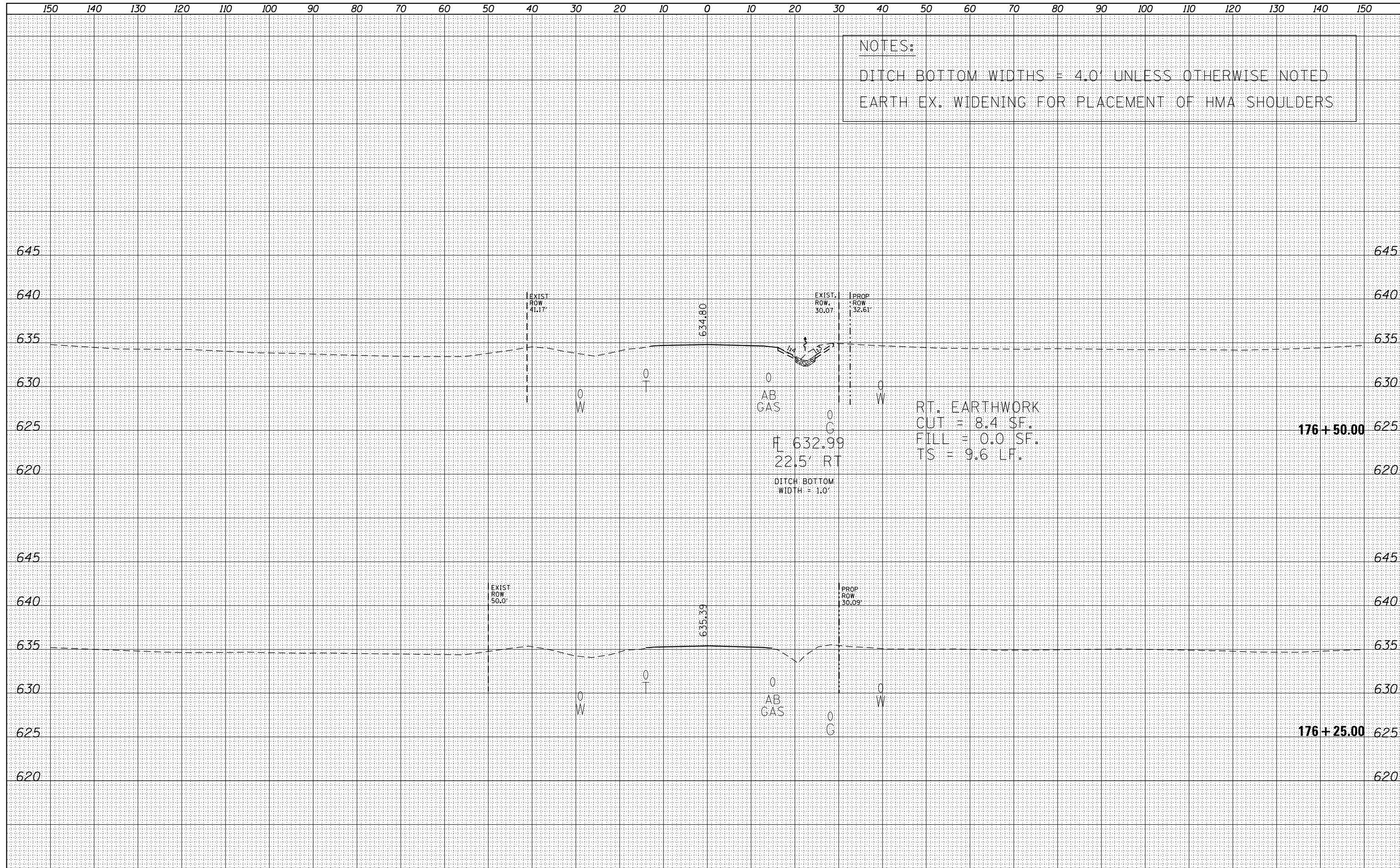




NOTES:  
 DITCH BOTTOM WIDTHS = 4.0' UNLESS OTHERWISE NOTED  
 EARTH EX. WIDENING FOR PLACEMENT OF HMA SHOULDERS

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

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



MODEL: SPODELNAME.S  
 FILE NAME: SPFILE.S

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	DRAWN -	REVISED -
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS

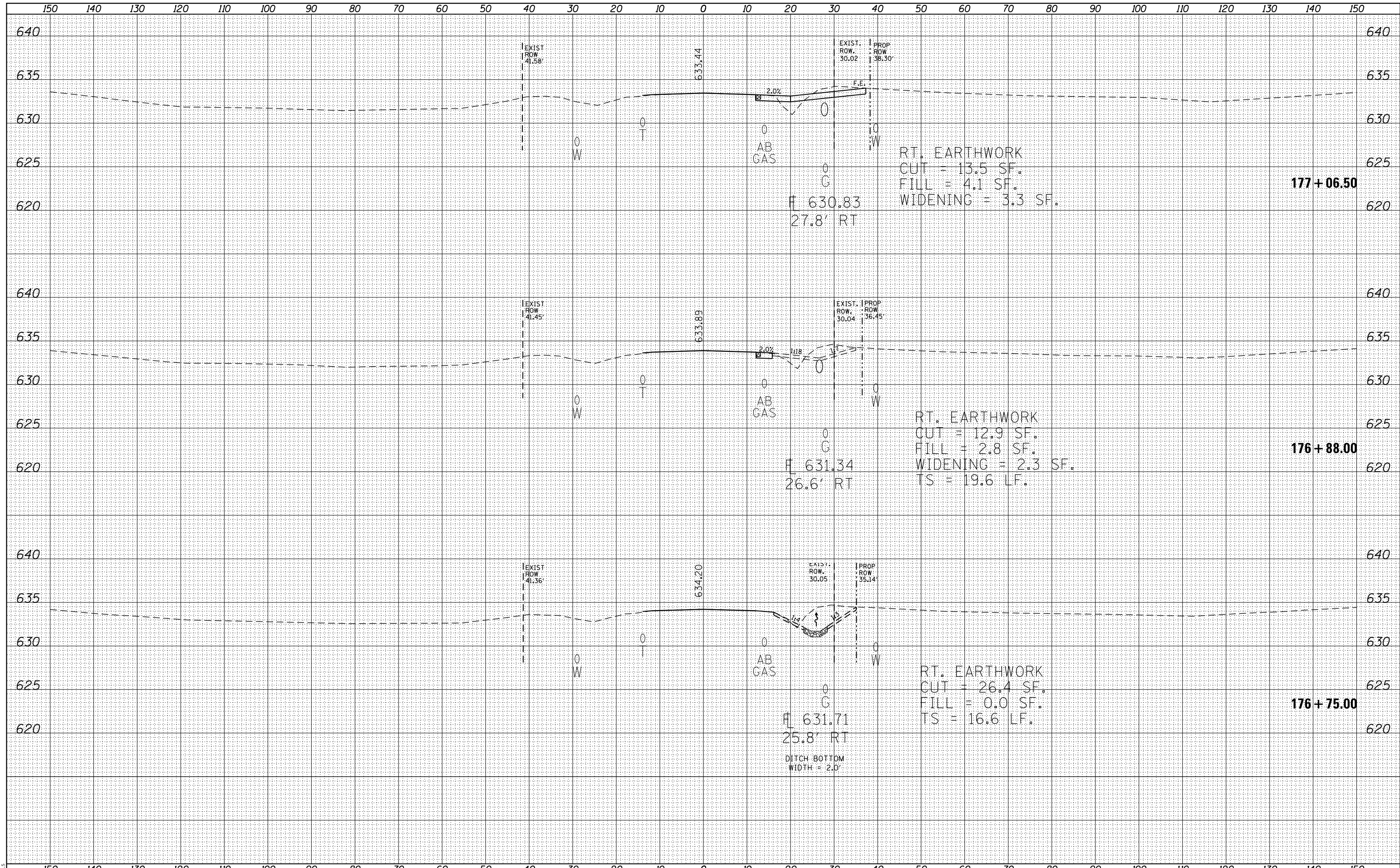
SCALE: SHEET OF SHEETS STA. 176+25.00 TO STA. 176+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	35
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				

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

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

MODEL: SPODELNAME1  
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	DRAWN -	REVISED -
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PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

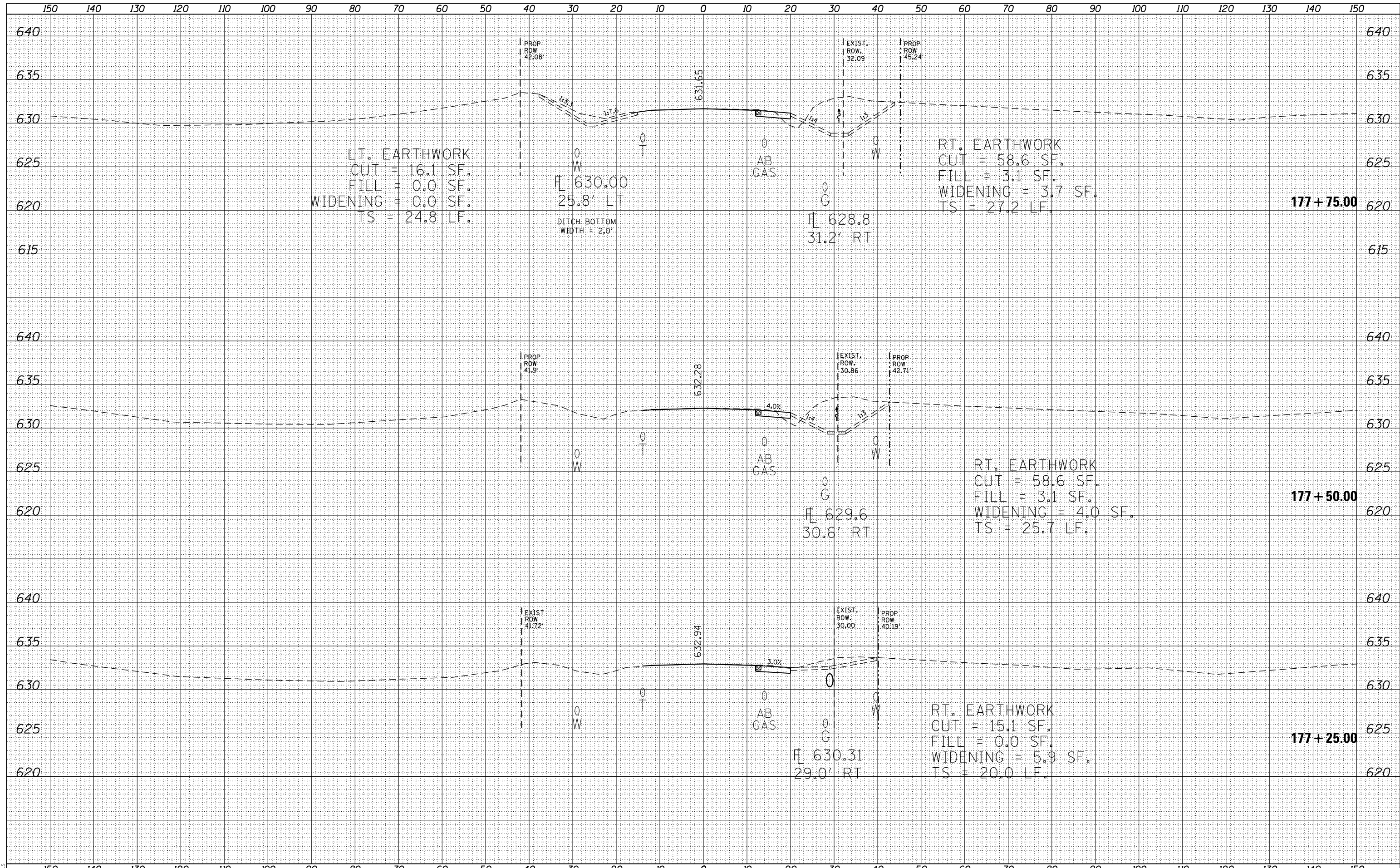
**CROSS-SECTIONS**

SCALE: SHEET OF SHEETS STA. 176+75.00 TO STA. 177+06.50

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	36
				CONTRACT NO. 68C63
		ILLINOIS	FED. AID PROJECT	

DATE	
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FINAL SURVEY	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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MODEL: SPODELNAME\$  
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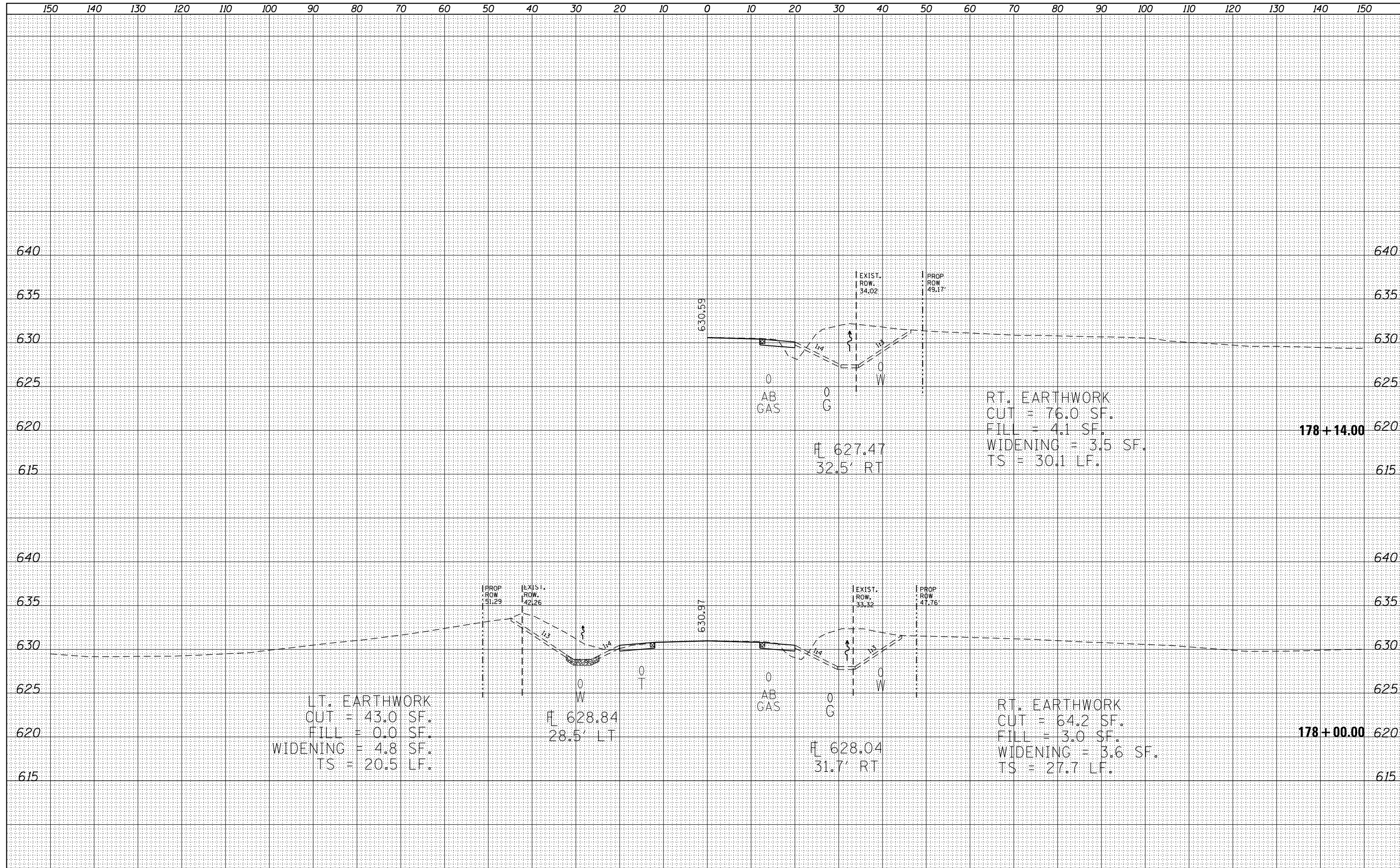
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS-SECTIONS</b>	
SCALE:	SHEET OF SHEETS STA. 177+25.00 TO STA. 177+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	37
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				

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

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



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

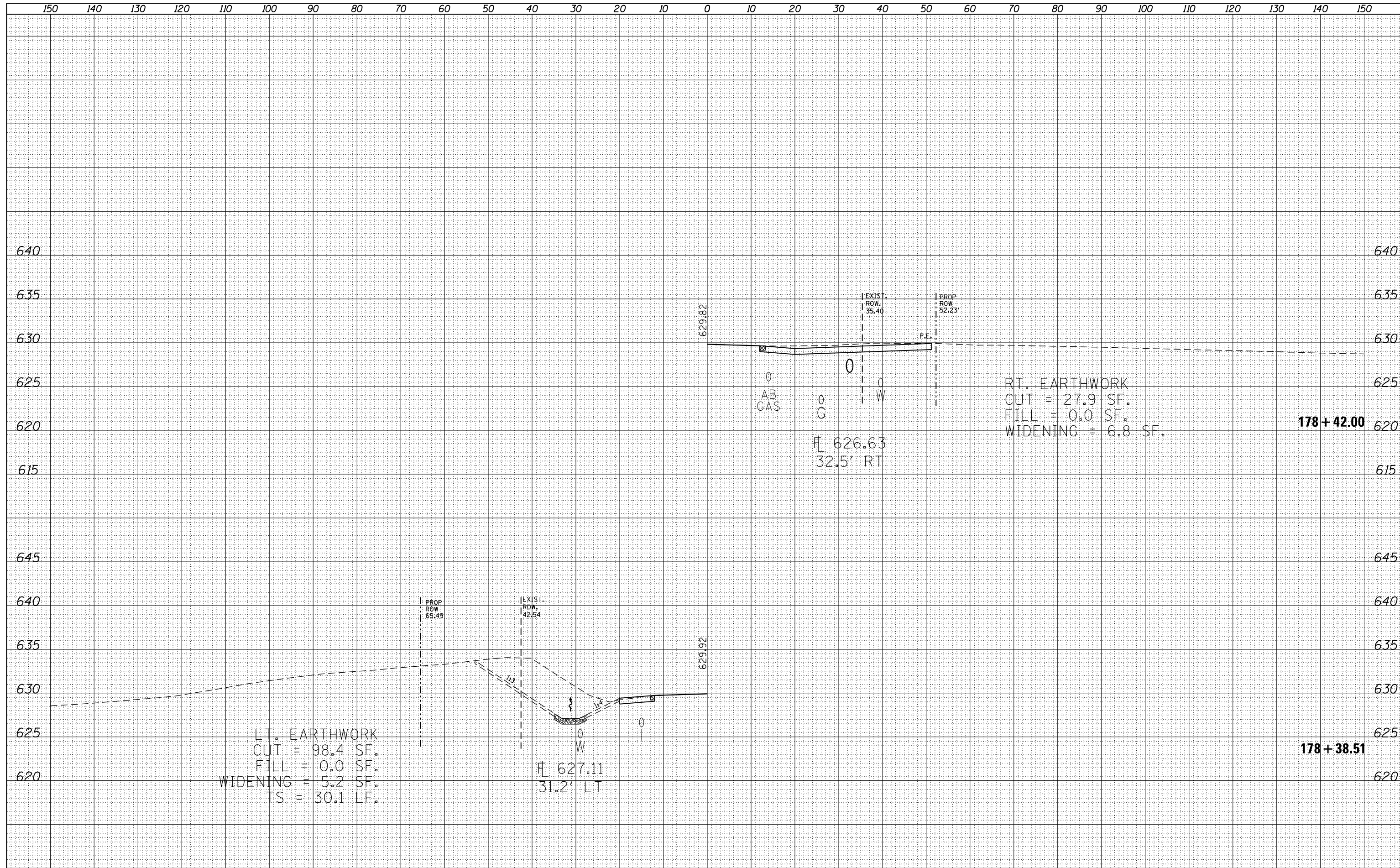
**CROSS-SECTIONS**

SCALE: SHEET OF SHEETS STA. 178+00.00 TO STA. 178+14.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	38
			CONTRACT NO. 68C63	
		ILLINOIS	FED. AID PROJECT	

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

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



LT. EARTHWORK  
 CUT = 98.4 SF.  
 FILL = 0.0 SF.  
 WIDENING = 5.2 SF.  
 TS = 30.1 LF.

RT. EARTHWORK  
 CUT = 27.9 SF.  
 FILL = 0.0 SF.  
 WIDENING = 6.8 SF.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS

USER NAME = \$USERS	DESIGNED -	REVISED -
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PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
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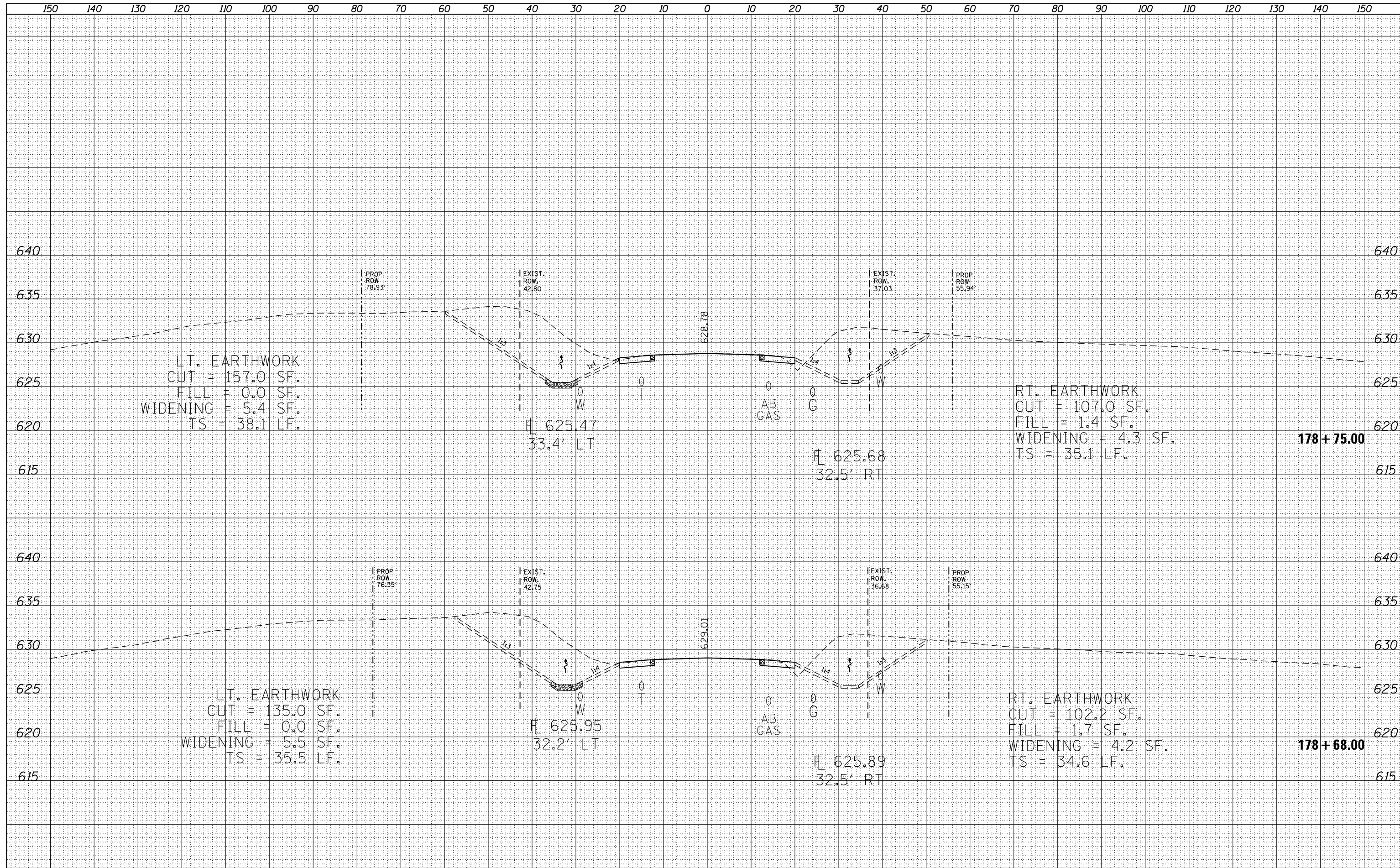
SCALE: SHEET OF SHEETS STA. 178+38.51 TO STA. 178+42.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	39
				CONTRACT NO. 68C63
		ILLINOIS	FED. AID PROJECT	

MODEL: \$MODELNAME\$  
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DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



MODEL: SPODELNAME\$  
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USER NAME = \$USERS	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

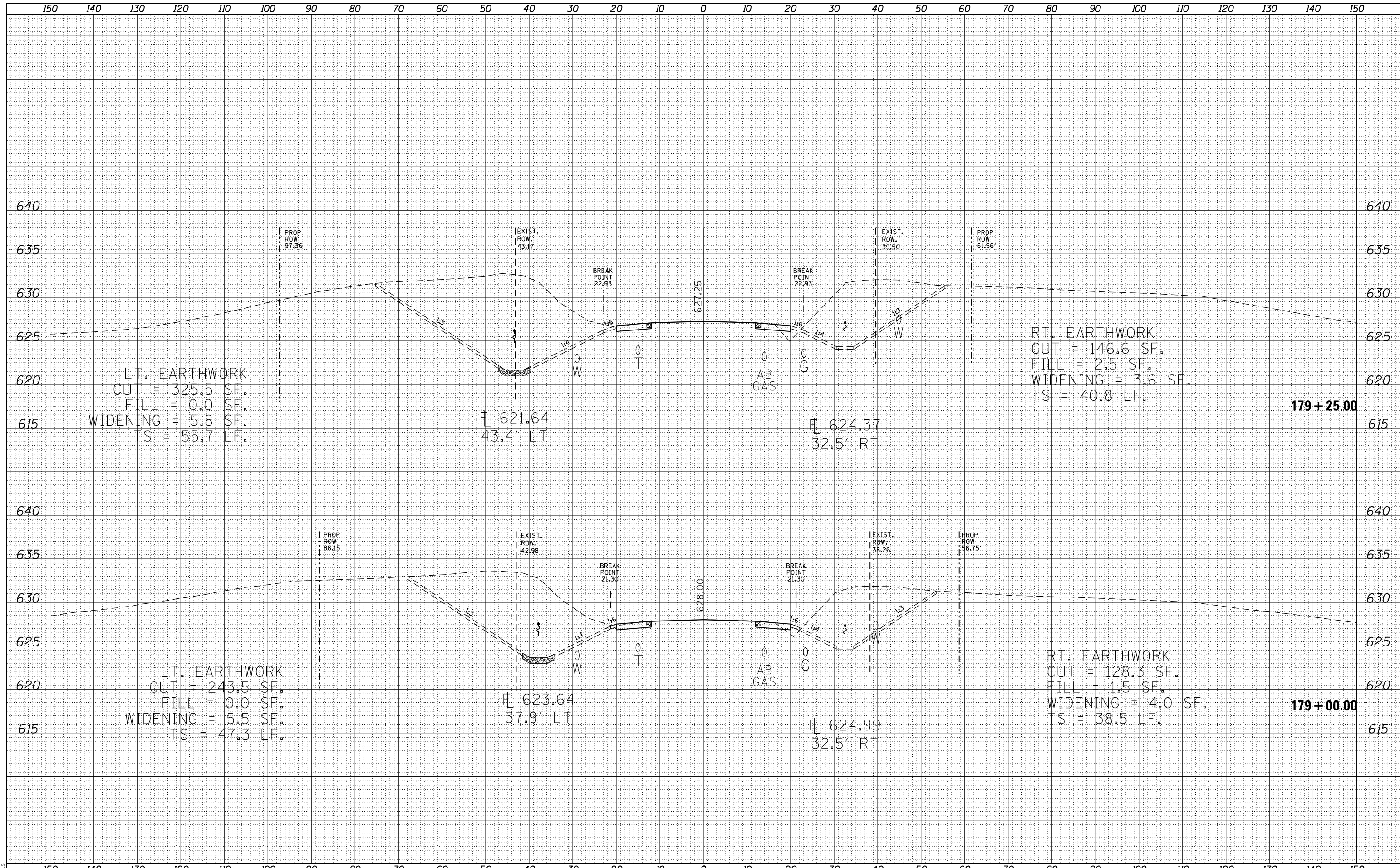
<b>CROSS-SECTIONS</b>	
SCALE:	SHEET OF SHEETS STA. 178+68.00 TO STA. 178+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	40
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				



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

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



MODEL: SPODELNAME.S  
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PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS-SECTIONS**

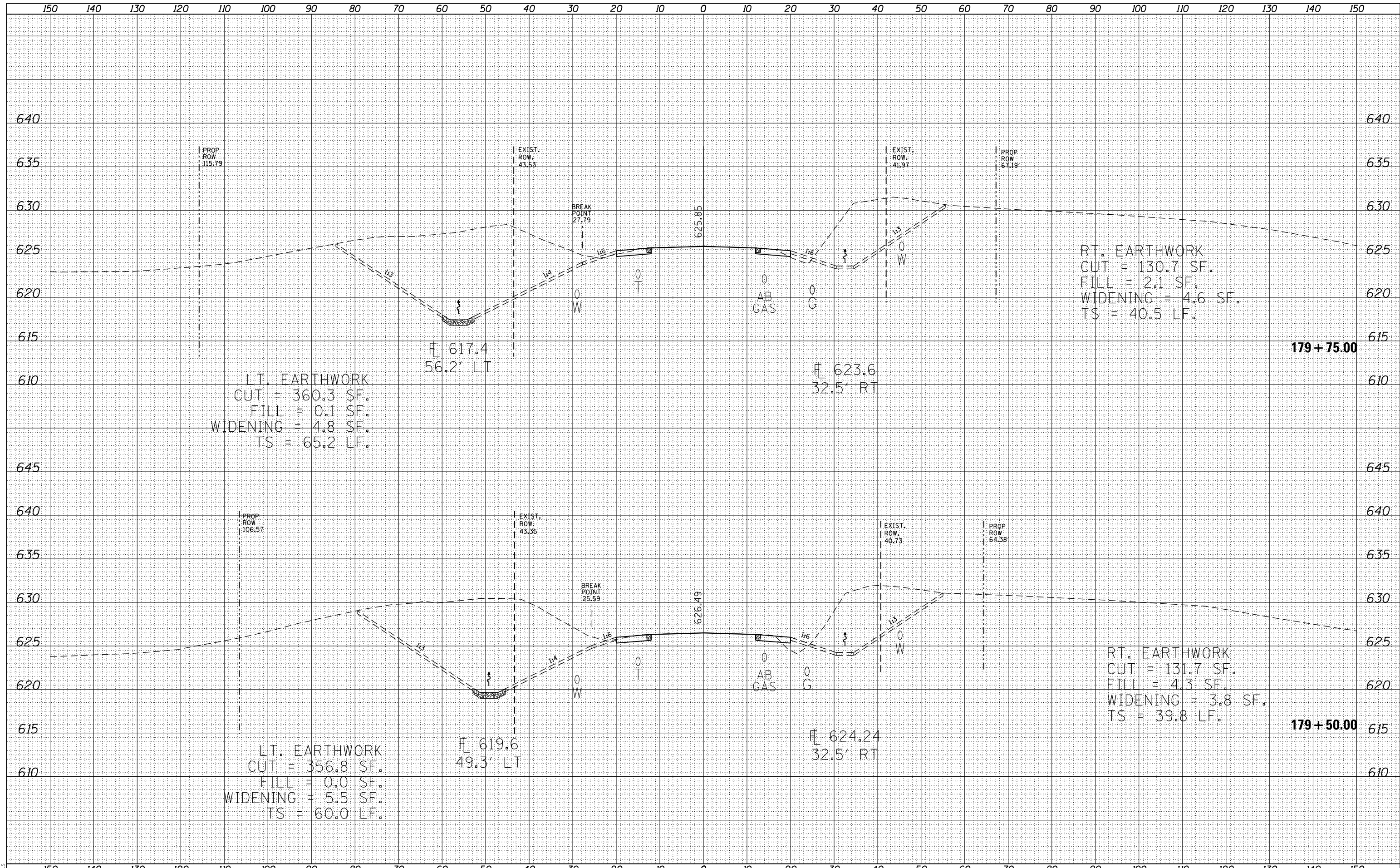
SCALE: SHEET OF SHEETS STA. 179+00.00 TO STA. 179+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	41
CONTRACT NO. 68C63				
ILLINOIS		FED. AID PROJECT		

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

MODEL: SPODELNAME\$  
FILE NAME: SPFILE\$



USER NAME =	SSUSERS	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

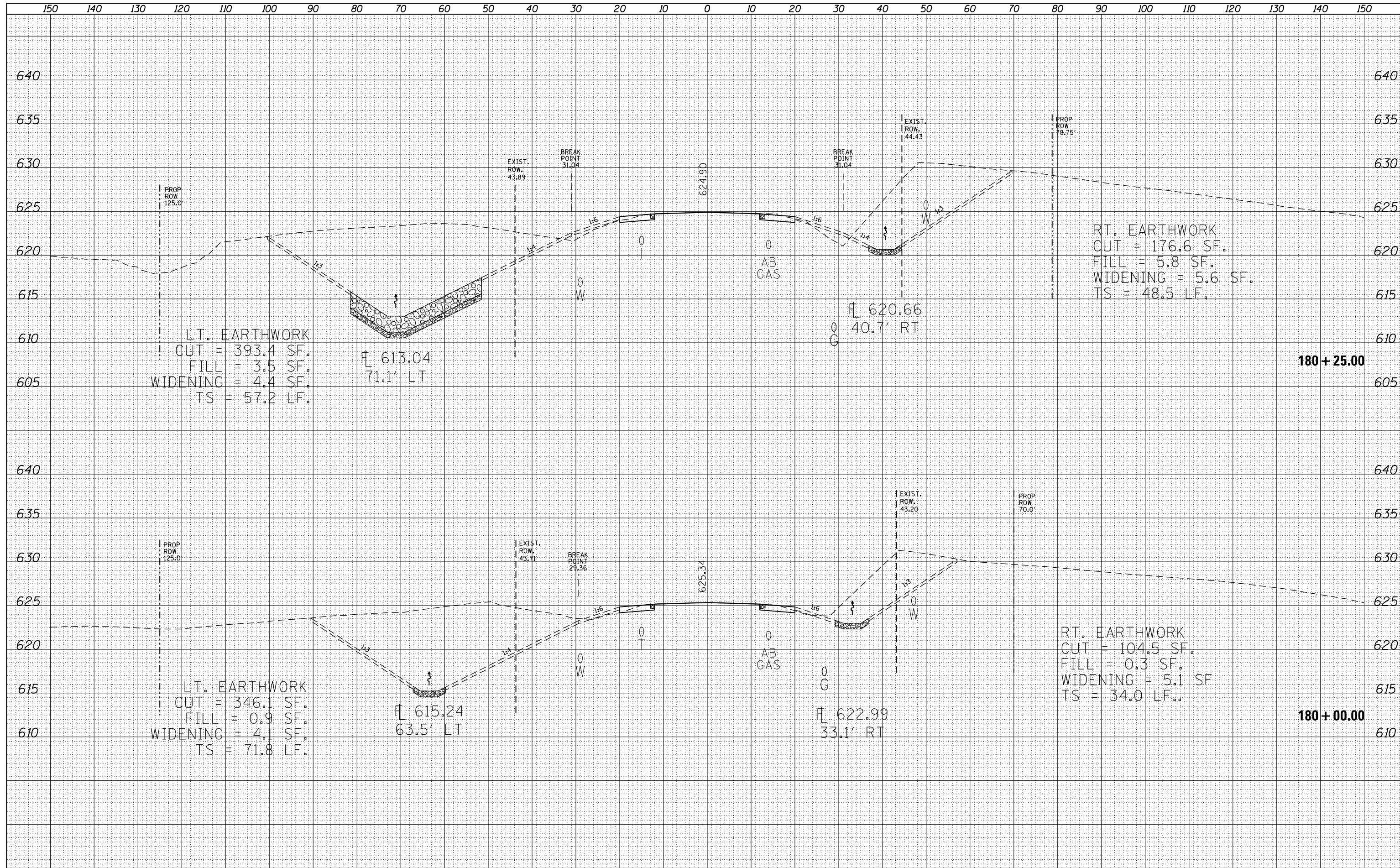
SCALE:		SHEET	OF	SHEETS	STA. 179+50.00	TO STA. 179+75.00
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**CROSS-SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	42
				CONTRACT NO. 68C63
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



LT. EARTHWORK  
 CUT = 393.4 SF.  
 FILL = 3.5 SF.  
 WIDENING = 4.4 SF.  
 TS = 57.2 LF.

RT. EARTHWORK  
 CUT = 176.6 SF.  
 FILL = 5.8 SF.  
 WIDENING = 5.6 SF.  
 TS = 48.5 LF.

LT. EARTHWORK  
 CUT = 346.1 SF.  
 FILL = 0.9 SF.  
 WIDENING = 4.1 SF.  
 TS = 71.8 LF.

RT. EARTHWORK  
 CUT = 104.5 SF.  
 FILL = 0.3 SF.  
 WIDENING = 5.1 SF.  
 TS = 34.0 LF.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
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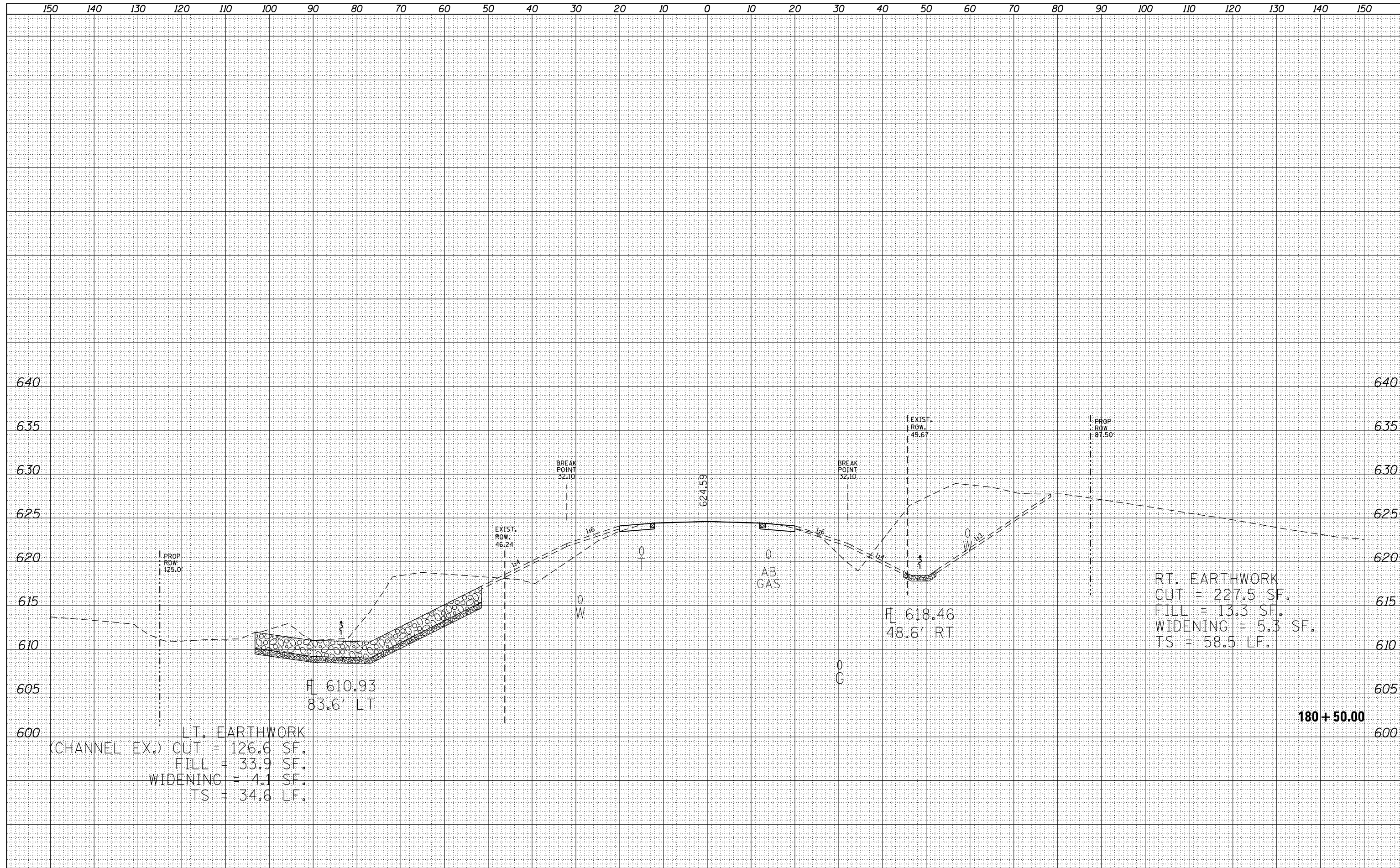
SCALE: SHEET OF SHEETS STA. 180+00.00 TO STA. 180+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	43
				CONTRACT NO. 68C63
ILLINOIS FED. AID PROJECT				

MODEL: \$MODELNAME\$  
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
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FINAL SURVEY	
NOTE BOOK	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
NO.	



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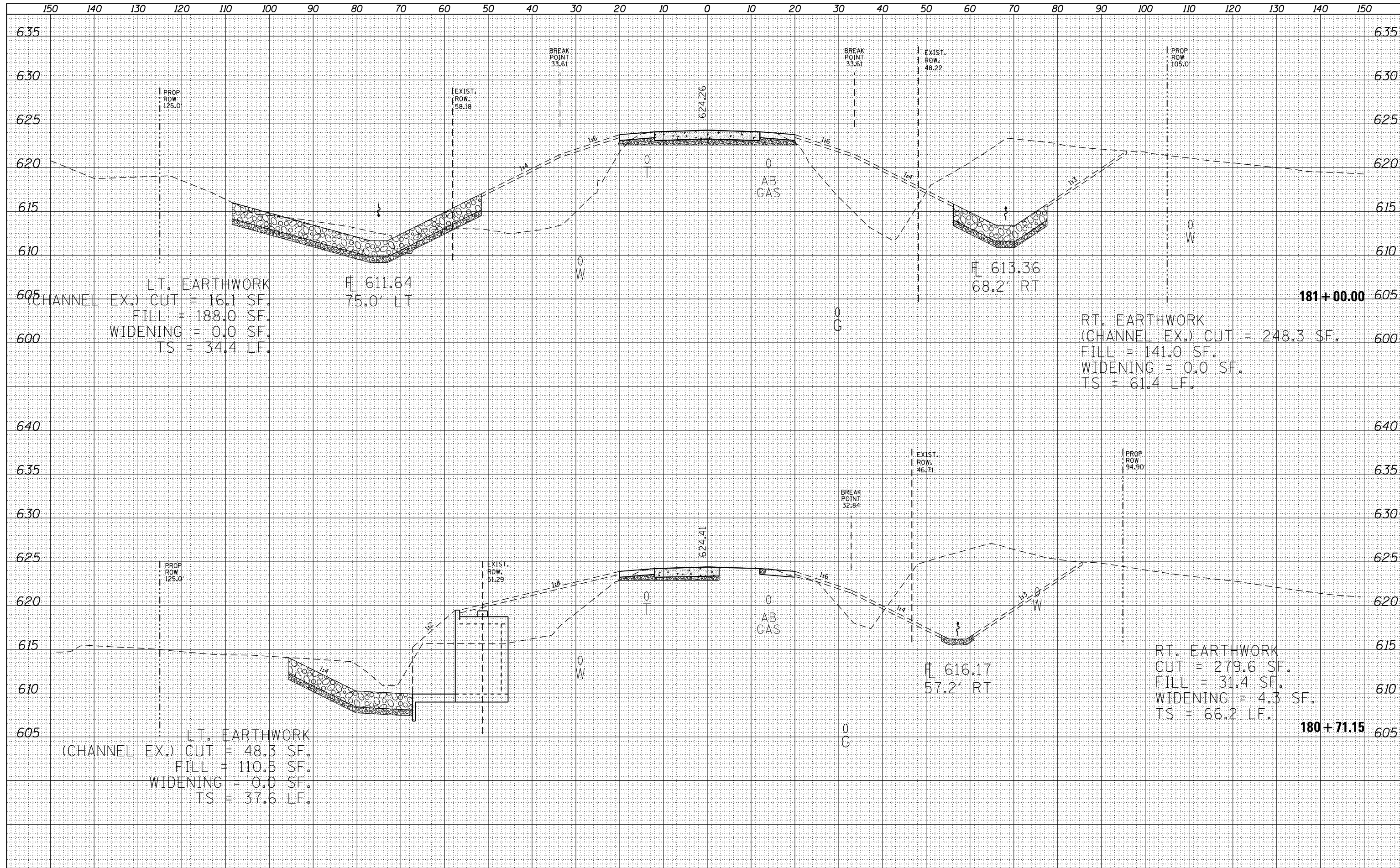
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS-SECTIONS</b>	
SCALE:	SHEET OF SHEETS STA. 180+50.00 TO STA. 180+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	44
				CONTRACT NO. 68C63
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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TEMPLATE	
NOTE BOOK	
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MODEL: SPODELNAME\$  
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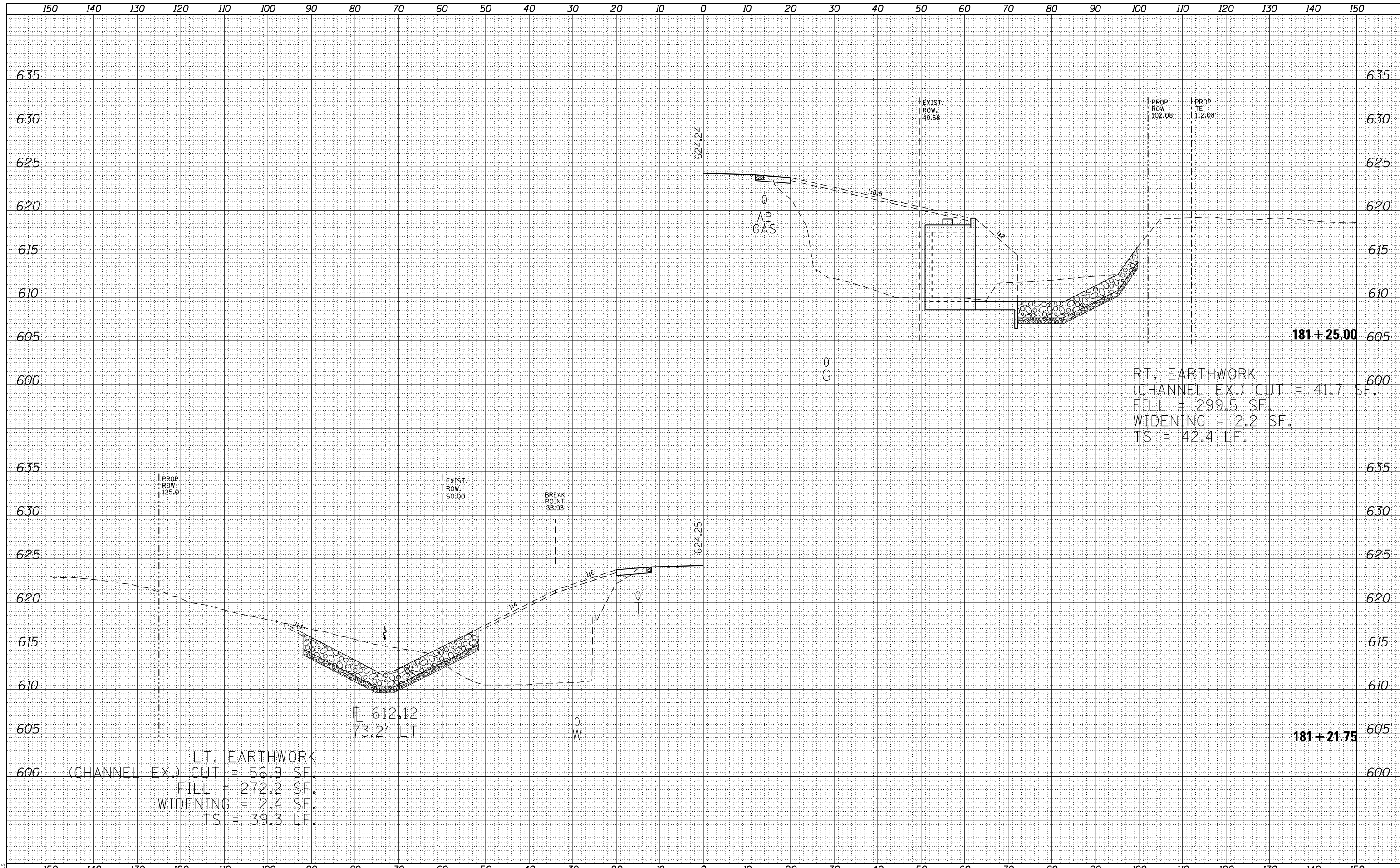
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET OF SHEETS		STA. 180+71.15 TO STA. 181+00.00	
				CROSS-SECTIONS	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	45
CONTRACT NO. 68C63			ILLINOIS FED. AID PROJECT	

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

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



RT. EARTHWORK  
 (CHANNEL EX.) CUT = 41.7 SF.  
 FILL = 299.5 SF.  
 WIDENING = 2.2 SF.  
 TS = 42.4 LF.

LT. EARTHWORK  
 (CHANNEL EX.) CUT = 56.9 SF.  
 FILL = 272.2 SF.  
 WIDENING = 2.4 SF.  
 TS = 39.3 LF.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS

USER NAME = \$USERS	DESIGNED -	REVISED -
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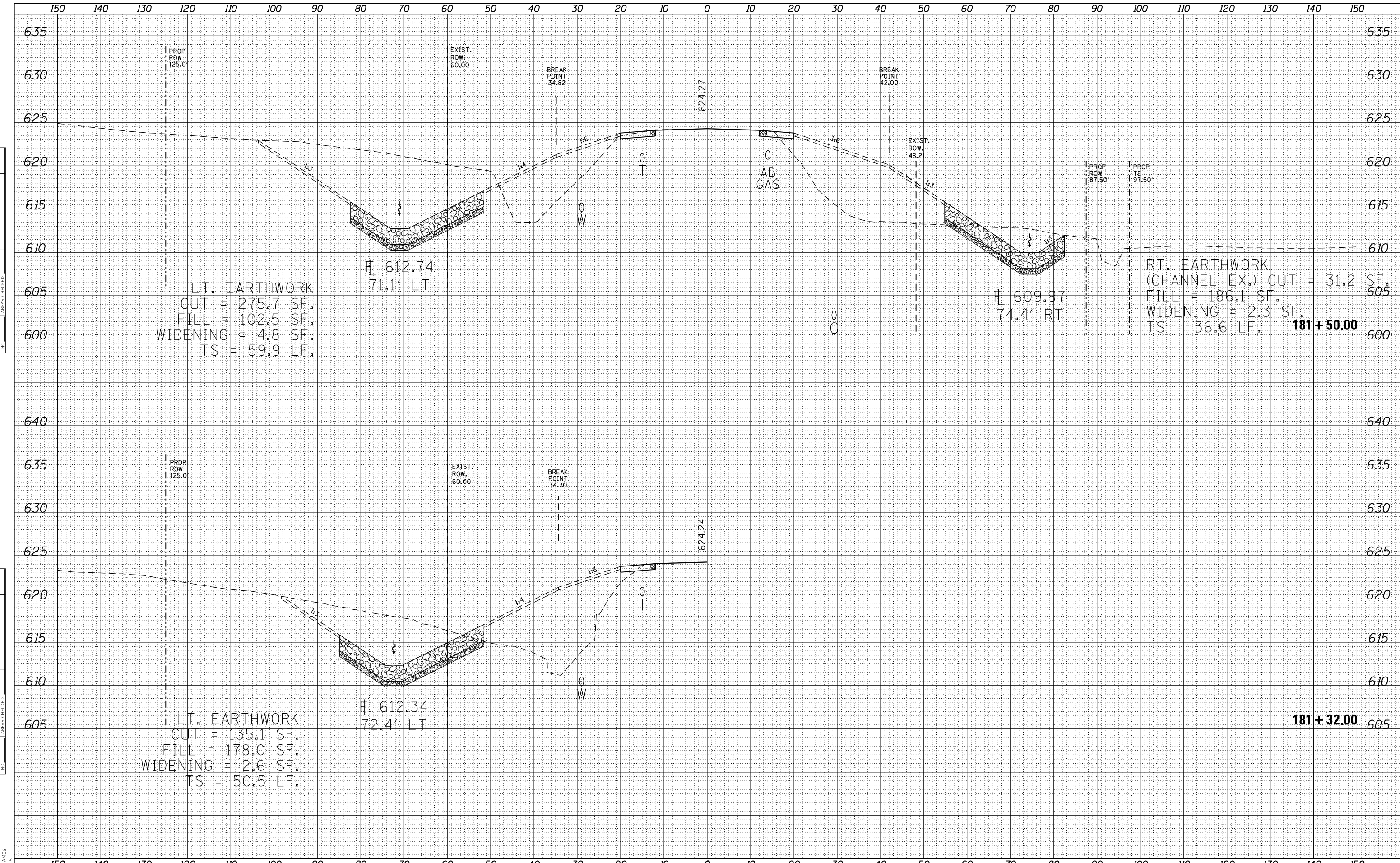
SCALE: SHEET OF SHEETS STA. 181+21.75 TO STA. 181+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	46
				CONTRACT NO. 68C63
		ILLINOIS	FED. AID PROJECT	

MODEL: \$MODELNAME\$  
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DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



LT. EARTHWORK  
 CUT = 275.7 SF.  
 FILL = 102.5 SF.  
 WIDENING = 4.8 SF.  
 TS = 59.9 LF.

RT. EARTHWORK  
 (CHANNEL EX.) CUT = 31.2 SF.  
 FILL = 186.1 SF.  
 WIDENING = 2.3 SF.  
 TS = 36.6 LF.

LT. EARTHWORK  
 CUT = 135.1 SF.  
 FILL = 178.0 SF.  
 WIDENING = 2.6 SF.  
 TS = 50.5 LF.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS

USER NAME = \$USERS	DESIGNED -	REVISED -
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PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
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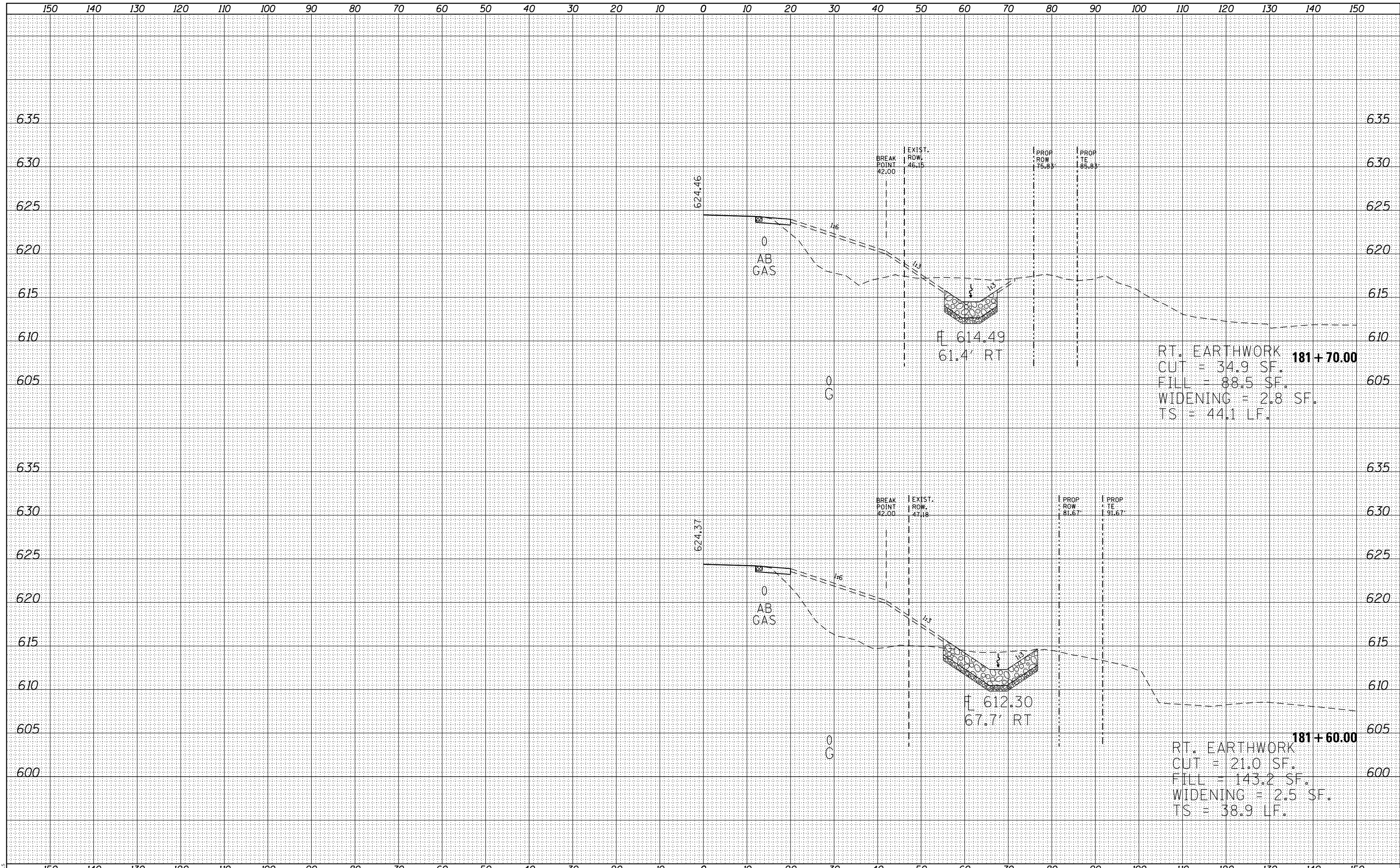
SCALE: SHEET OF SHEETS STA. 181+32.00 TO STA. 181+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	47
				CONTRACT NO. 68C63
				ILLINOIS FED. AID PROJECT

MODEL: \$MODELNAME\$  
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DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



RT. EARTHWORK  
 CUT = 34.9 SF.  
 FILL = 88.5 SF.  
 WIDENING = 2.8 SF.  
 TS = 44.1 LF.

RT. EARTHWORK  
 CUT = 21.0 SF.  
 FILL = 143.2 SF.  
 WIDENING = 2.5 SF.  
 TS = 38.9 LF.

MODEL: SPODELNAME.S  
 FILE NAME: SFILE.S

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	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS

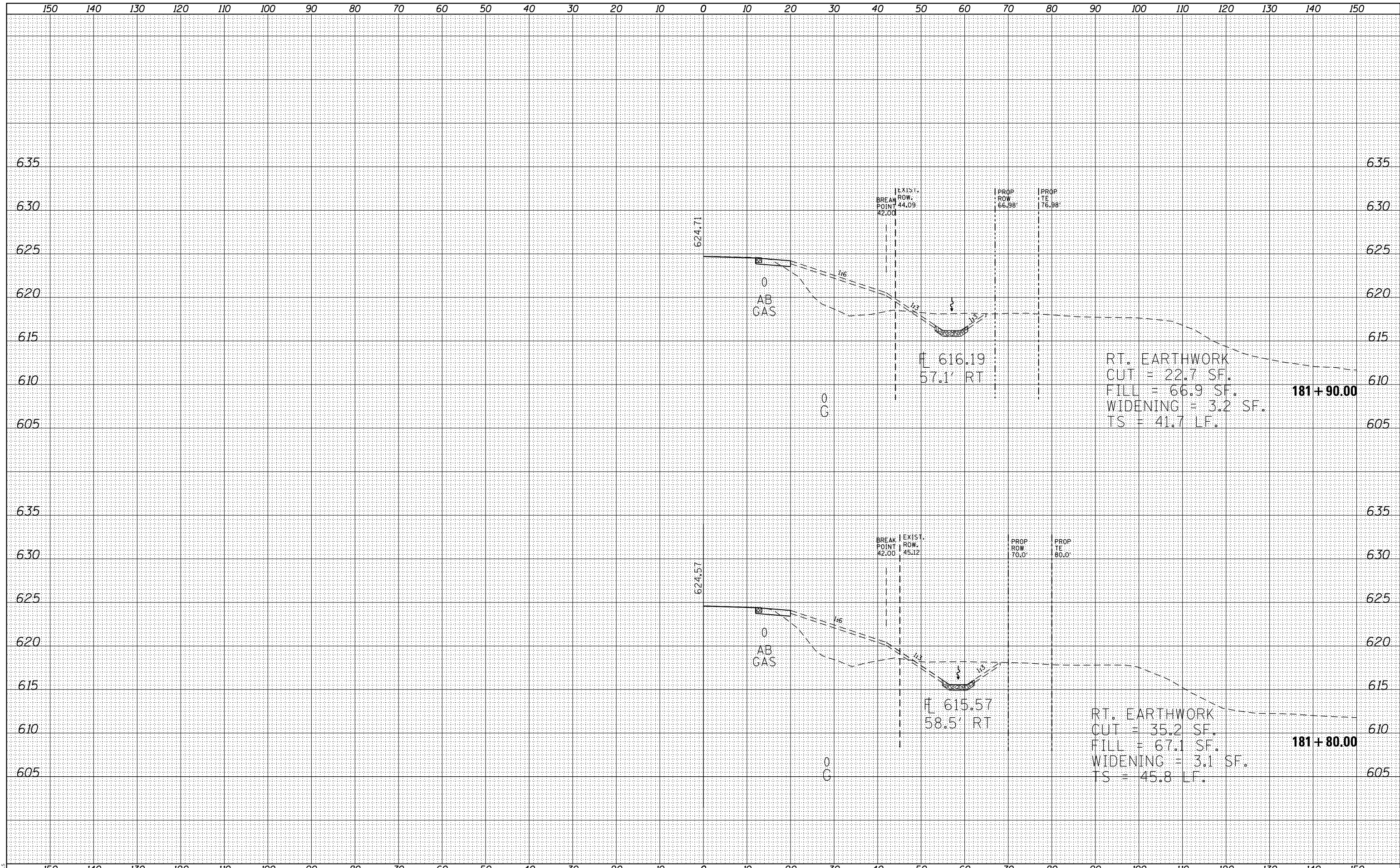
SCALE: SHEET OF SHEETS STA. 181+60.00 TO STA. 181+70.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	48
			CONTRACT NO. 68C63	
		ILLINOIS	FED. AID PROJECT	



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

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



RT. EARTHWORK  
 CUT = 22.7 SF.  
 FILL = 66.9 SF.  
 WIDENING = 3.2 SF.  
 TS = 41.7 LF.

RT. EARTHWORK  
 CUT = 35.2 SF.  
 FILL = 67.1 SF.  
 WIDENING = 3.1 SF.  
 TS = 45.8 LF.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

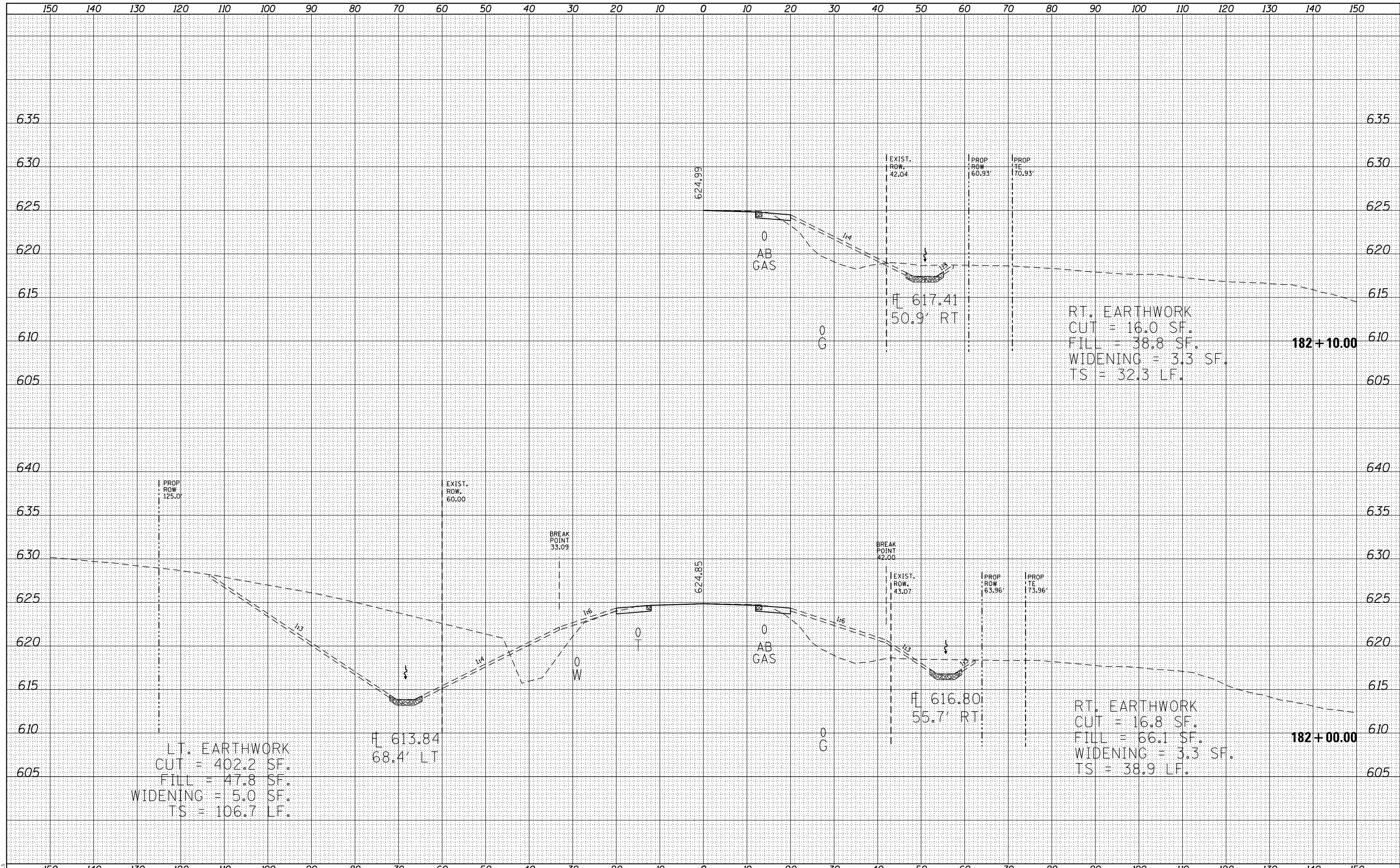
SCALE: SHEET OF SHEETS STA. 181+80.00 TO STA. 181+90.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	49
				CONTRACT NO. 68C63
		ILLINOIS	FED. AID PROJECT	

MODEL: \$MODELNAME\$  
 FILE NAME: \$FILE\$

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



MODEL: SPODELNAME\$  
 FILE NAME: SPFILE\$

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

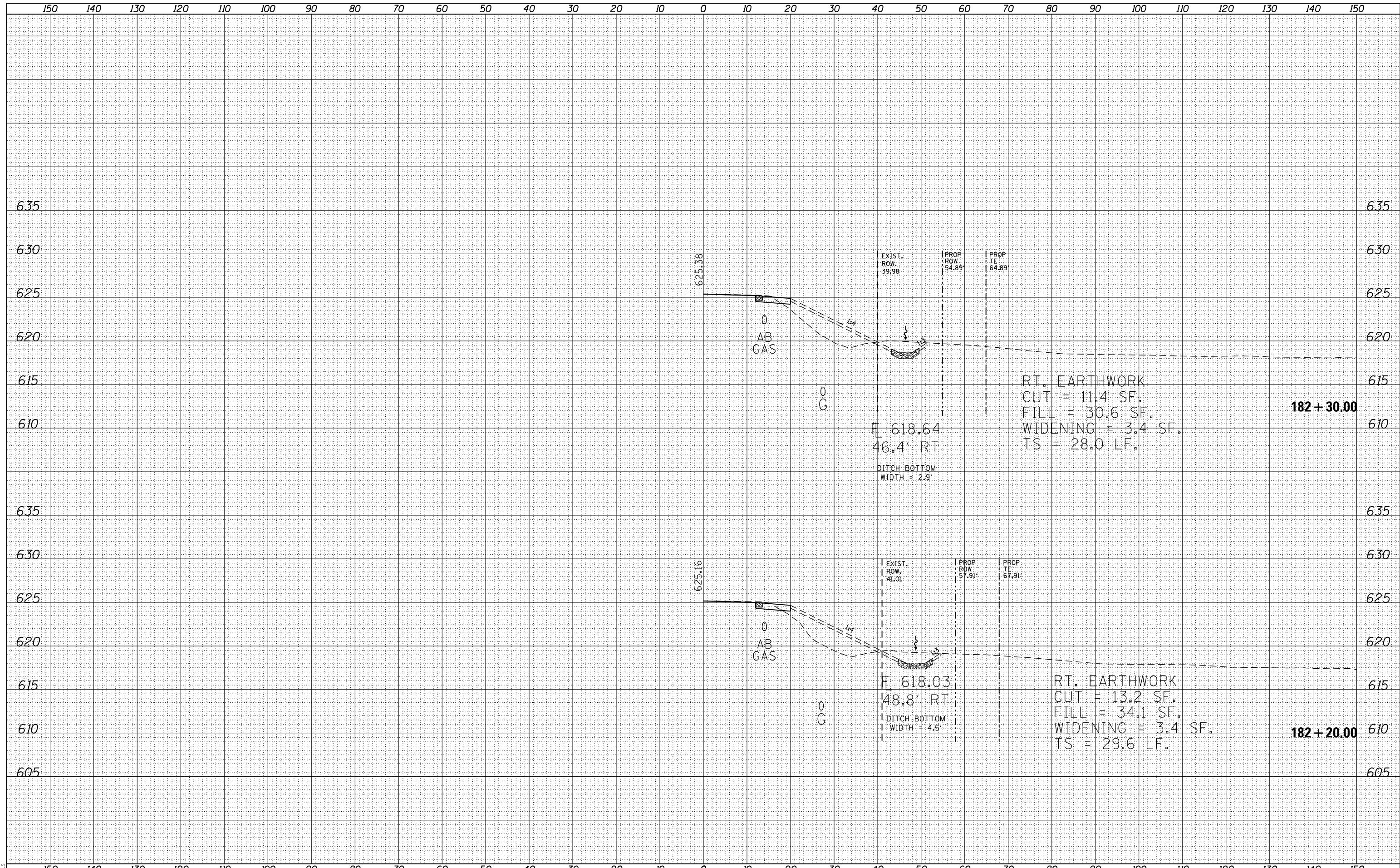
**CROSS-SECTIONS**

SCALE: SHEET OF SHEETS STA. 182+00.00 TO STA. 182+10.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	50
			CONTRACT NO. 68C63	
		ILLINOIS	FED. AID PROJECT	

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

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



MODEL: SPODELNAMES  
FILE NAME: SP11ELS

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

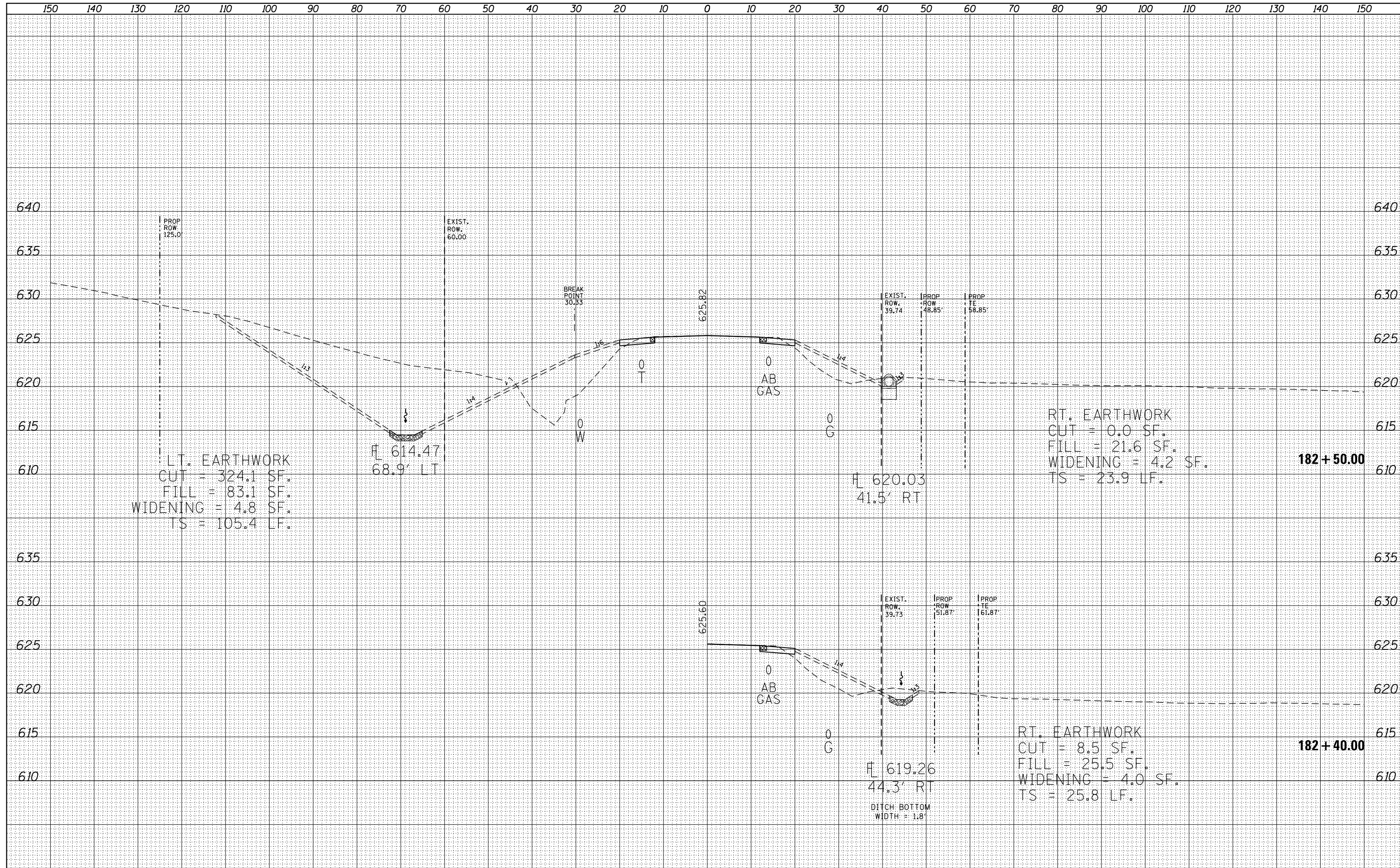
**CROSS-SECTIONS**

SCALE: SHEET OF SHEETS STA. 182+20.00 TO STA. 182+30.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	51
CONTRACT NO. 68C63				
ILLINOIS FED. AID PROJECT				

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

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



MODEL: SPODELNAME\$  
FILE NAME: \$FILE\$

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

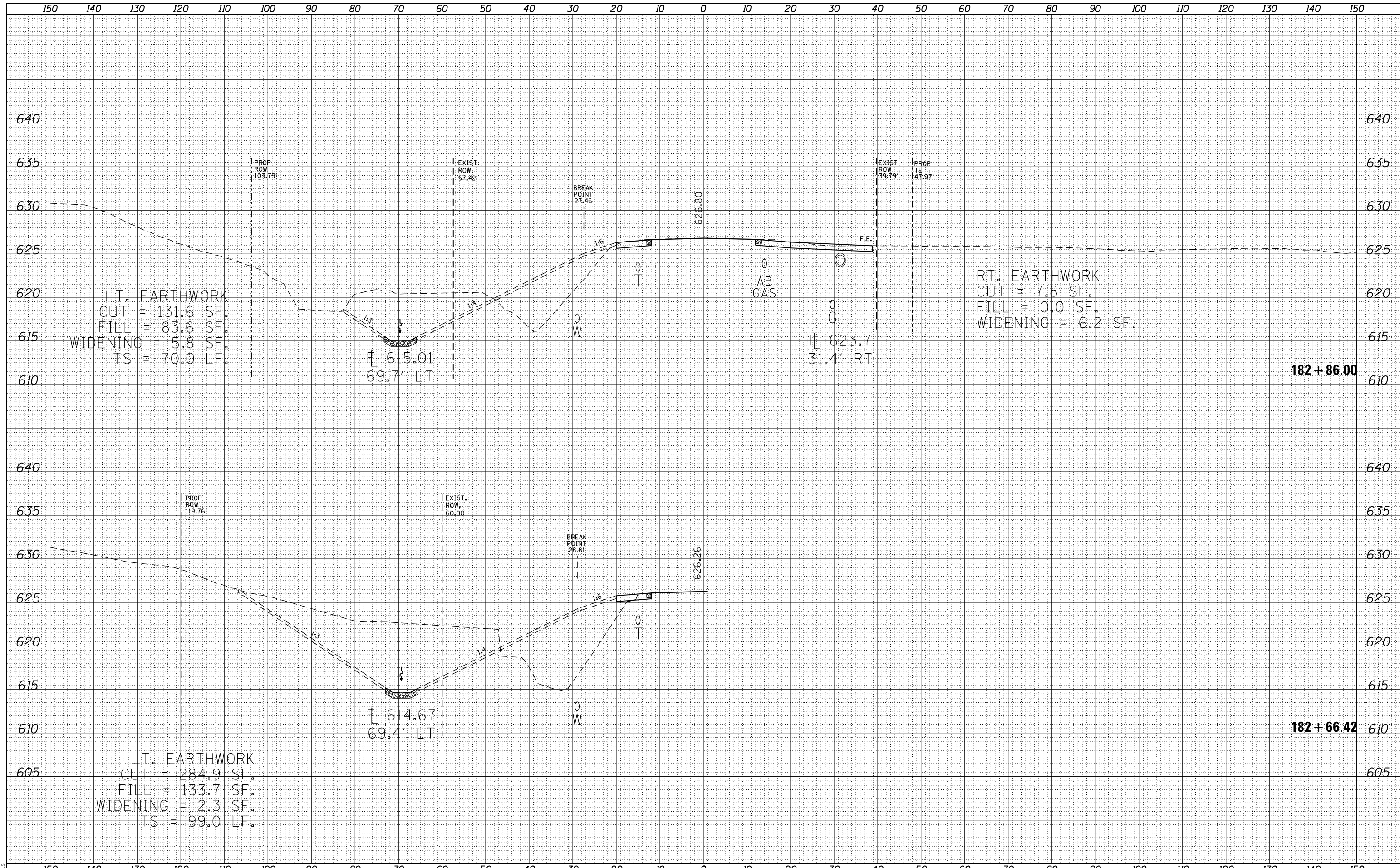
<b>CROSS-SECTIONS</b>	
SCALE:	SHEET OF SHEETS STA. 182+40.00 TO STA. 182+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	52
CONTRACT NO. 68C63				
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

MODEL: SPODELNAME\$  
FILE NAME: \$FILE\$



USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

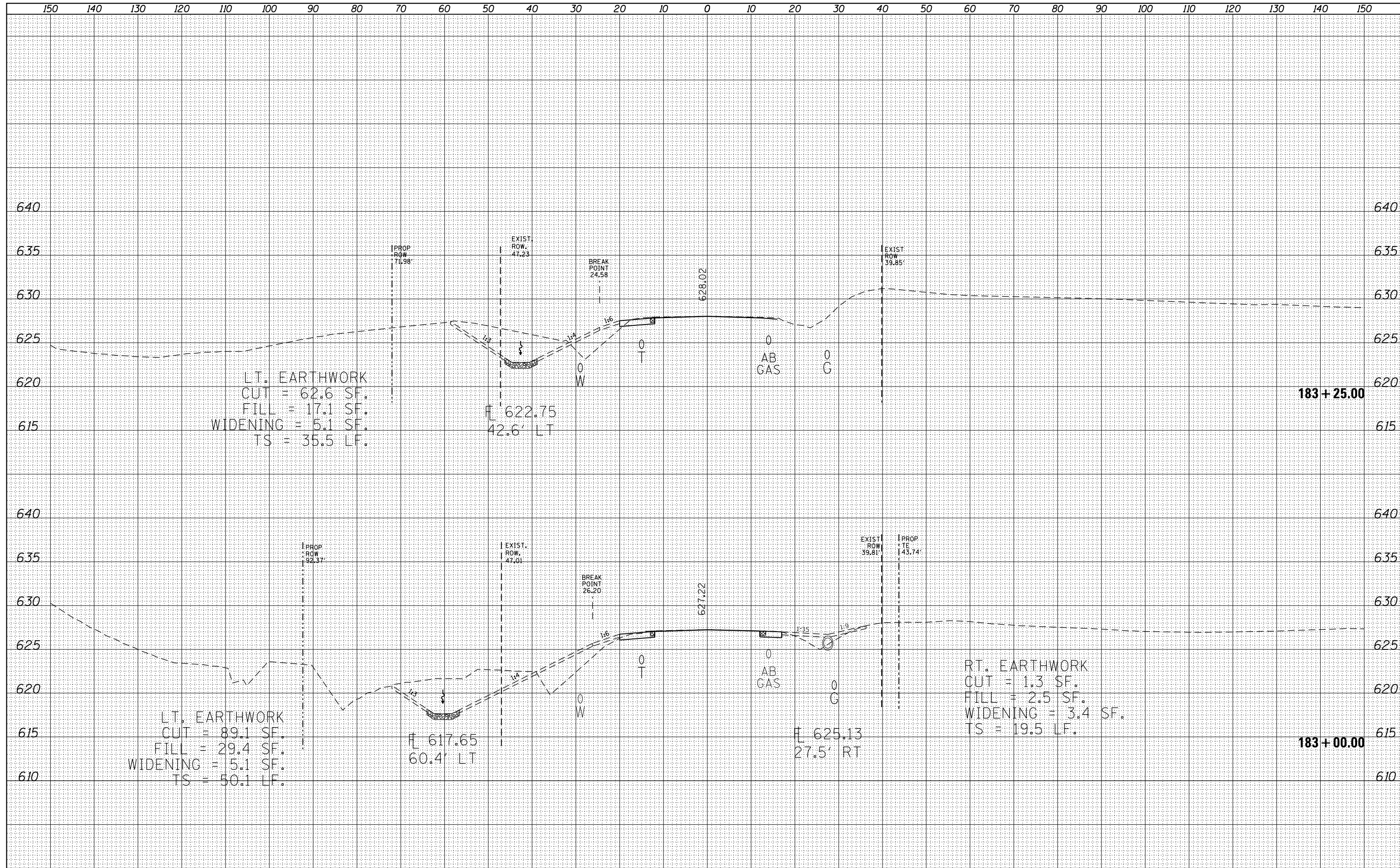
**CROSS-SECTIONS**

SCALE: SHEET OF SHEETS STA. 182+66.42 TO STA. 182+86.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	53
				CONTRACT NO. 68C63
		ILLINOIS	FED. AID PROJECT	

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

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



MODEL: SPODELNAME\$  
 FILE NAME: SPFILE\$

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

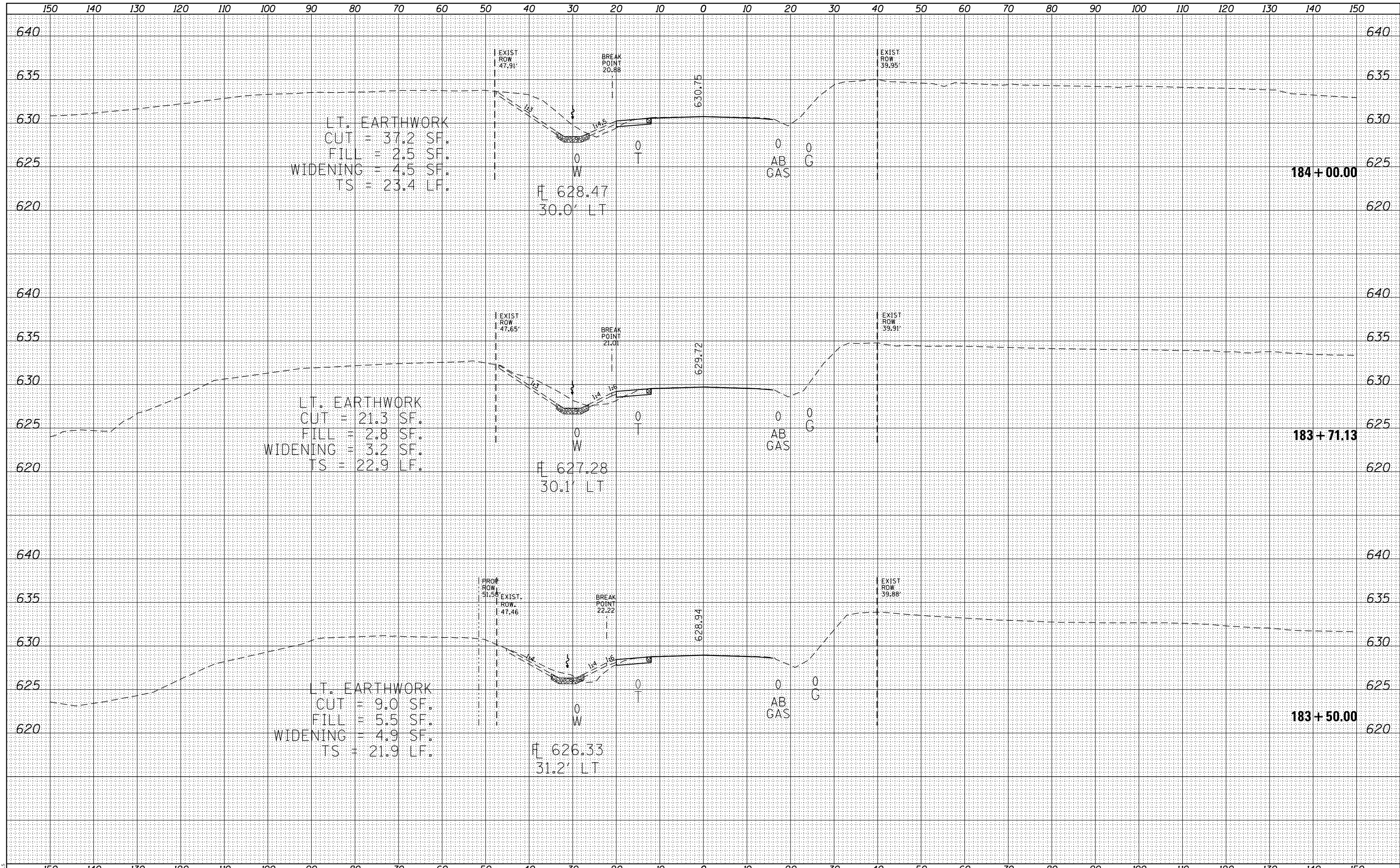
SCALE:		SHEET	OF	SHEETS	STA. 183+00.00	TO STA. 183+25.00
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**CROSS-SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	54
				CONTRACT NO. 68C63
		ILLINOIS	FED. AID PROJECT	

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

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



MODEL: SPODELNAME\$  
 FILE NAME: \$FILE\$

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

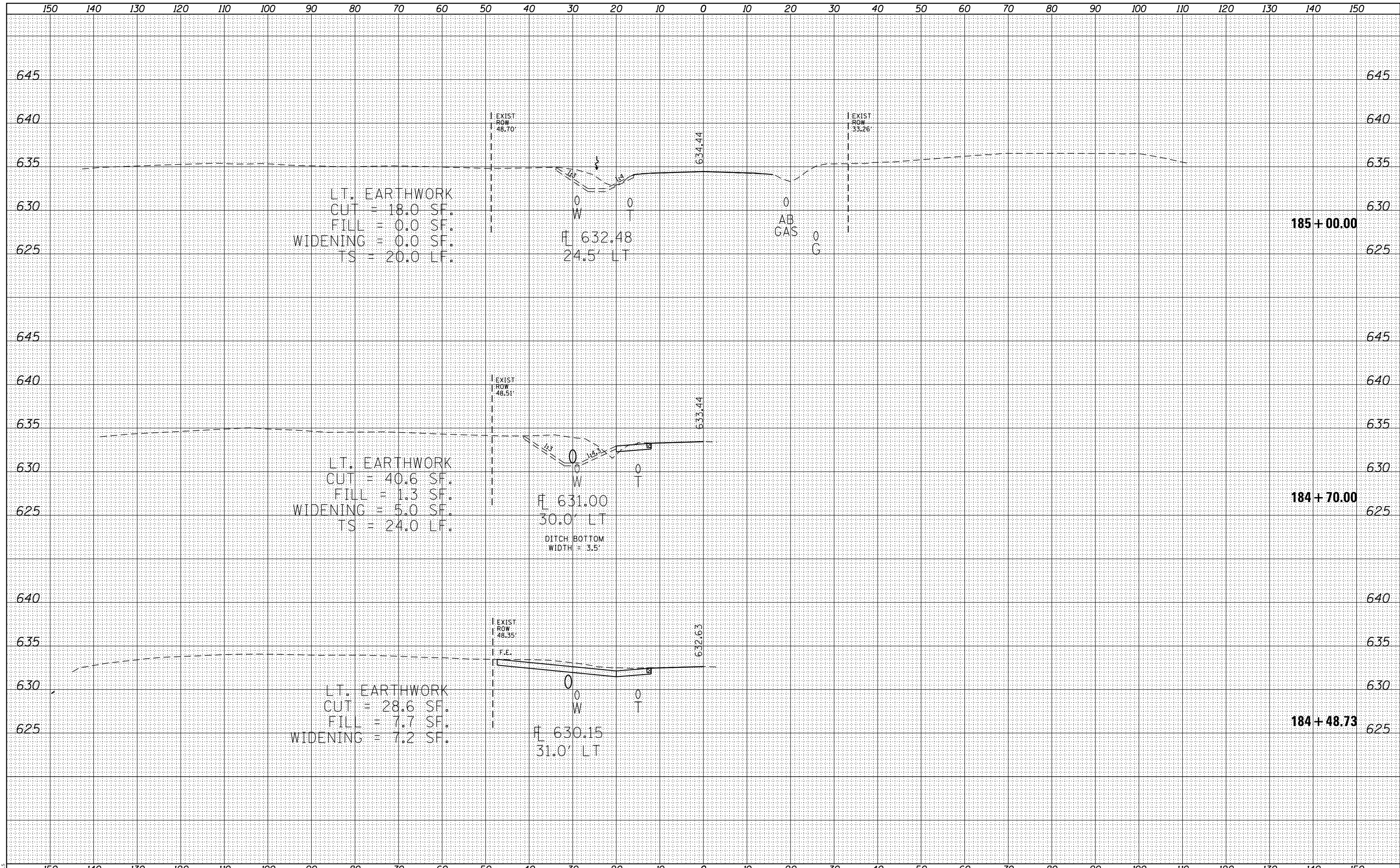
**CROSS-SECTIONS**

SCALE: SHEET OF SHEETS STA. 183+50.00 TO STA. 184+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	55
CONTRACT NO. 68C63				
ILLINOIS		FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	



MODEL: SPODELNAME\$  
 FILE NAME: \$FILE\$

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS-SECTIONS**

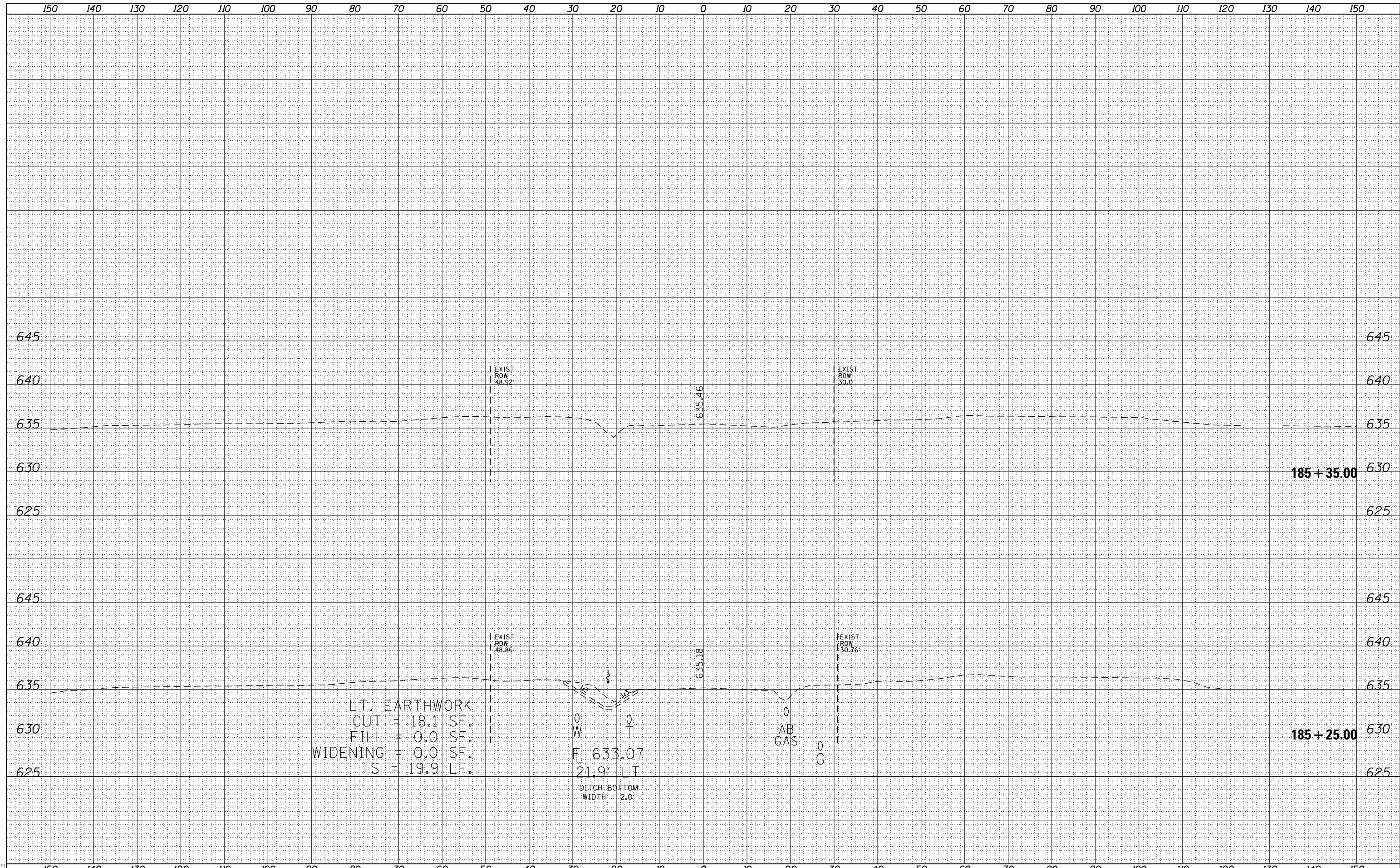
SCALE: SHEET OF SHEETS STA. 184+48.73 TO STA. 185+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	56
				CONTRACT NO. 68C63
		ILLINOIS	FED. AID PROJECT	



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

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



LT. EARTHWORK  
 CUT = 18.1 SF.  
 FILL = 0.0 SF.  
 WIDENING = 0.0 SF.  
 TS = 19.9 LF.

W T  
 E 633.07  
 21.9' LT  
 DITCH BOTTOM  
 WIDTH = 2.0'

AB GAS  
 O C

MODEL: SPODELNAME\$  
 FILE NAME: SPFILE\$

USER NAME = \$USERS	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = \$DATE\$	DATE -	REVISED -

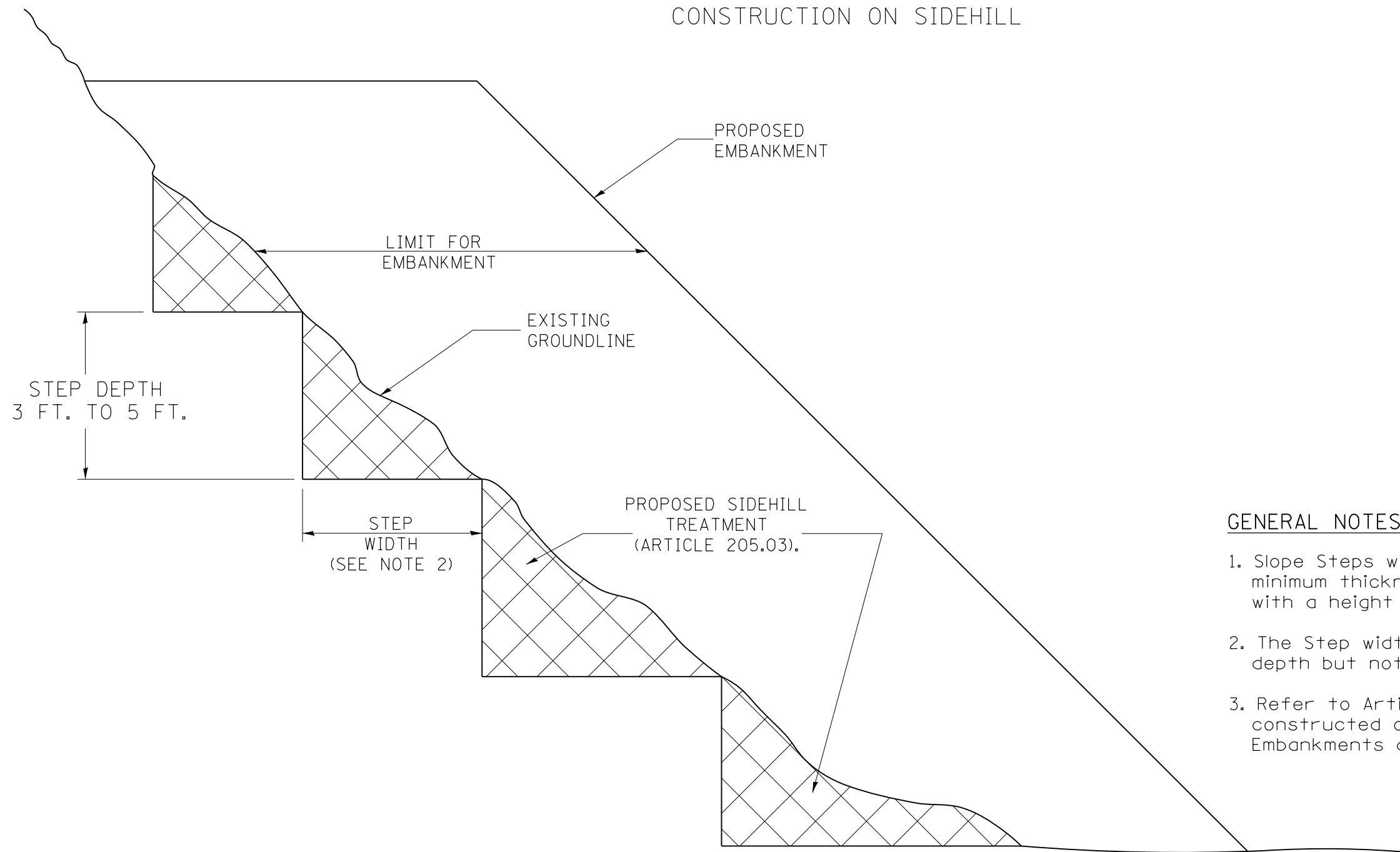
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS

SCALE: SHEET OF SHEETS STA. 185+25.00 TO STA. 185+35.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	57
				CONTRACT NO. 68C63
		ILLINOIS	FED. AID PROJECT	

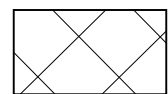
**SLOPE STEPS DETAIL**  
 TYPICAL CROSS-SECTION EMBANKMENT  
 CONSTRUCTION ON SIDEHILL



**GENERAL NOTES:**

1. Slope Steps will be required for all 12(300) minimum thickness "sliver fills" and on a fills with a height of 10 feet or greater.
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

**REPLACEMENT MATERIAL:**



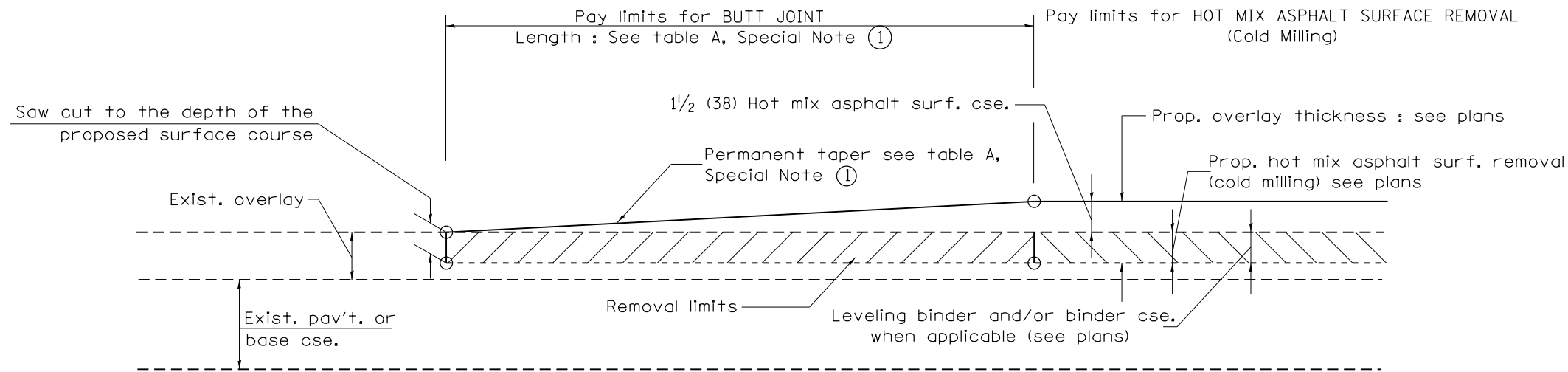
STANDARD EMBANKMENT  
 (IN ACCORDANCE WITH  
 205 OF THE STANDARD SPECIFICATION).

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

1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE	T.P.				<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SLOPE STEPS DETAIL</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BOX, REVISED GENERAL NOTES.							2463	8(C-1)CR	TAZEWELL	65	58
10-16-06	REVISED TO 2007 SPEC.	M.A.										CONTRACT NO. 68C63
								FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOT TO SCALE

CADD STD. 205001-D4



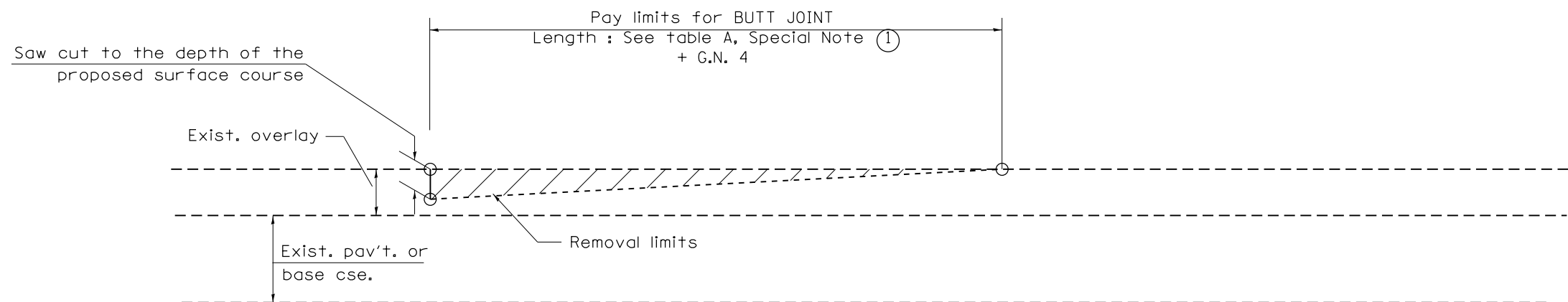
**CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

**TABLE A  
TAPER RATES**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

**GENERAL NOTES**

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.



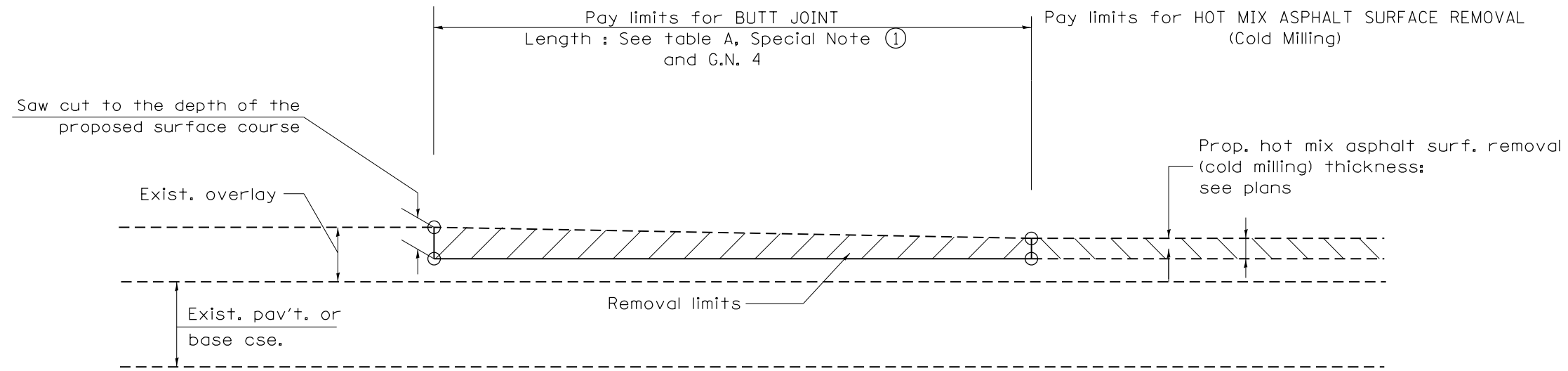
**CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

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

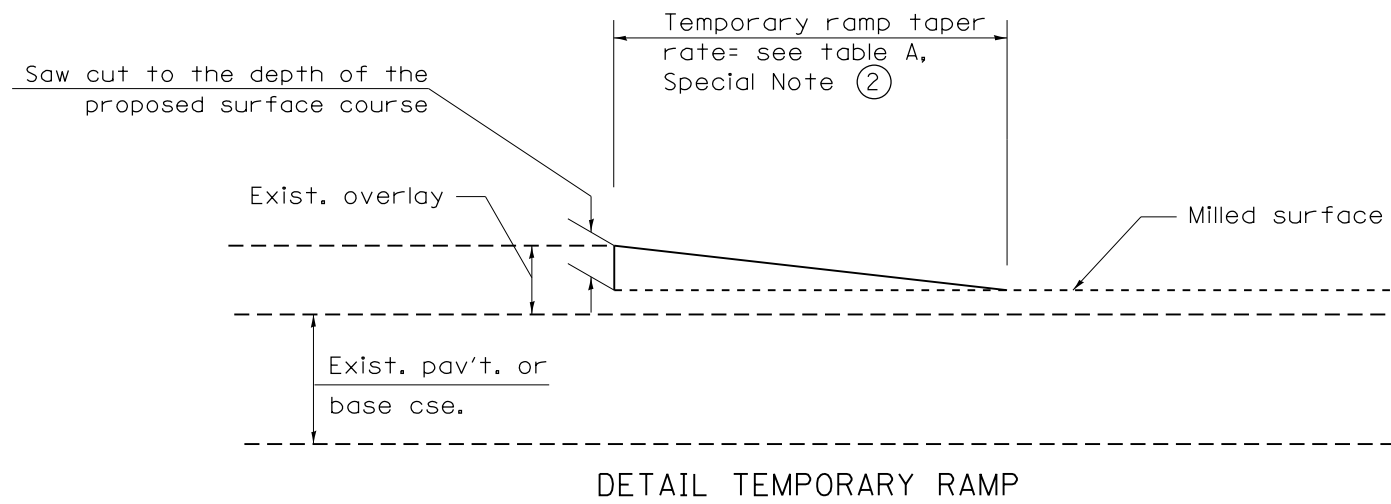
01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.	08-21-13	MAJOR MODIFICATIONS	R.D.	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINTS</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-01-97	CORRECTION TO DEPTH	J.A.	02-29-16	MINOR CORRECTIONS	R.D.			2463	8(C-1)CR	TAZEWELL	65	59
09-15-05	REVISED DESIGNER NOTE	M.M.A.	04-12-16	MINOR CORRECTIONS	R.D.			CONTRACT NO. 68C63				
10-16-06	REVISED TO 2007 SPEC.	M.A.	02-14-17	ADDED NOTE 5	R.D.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

NOT TO SCALE

SHT. 1 OF 3  
CADD STD. 406101-D4

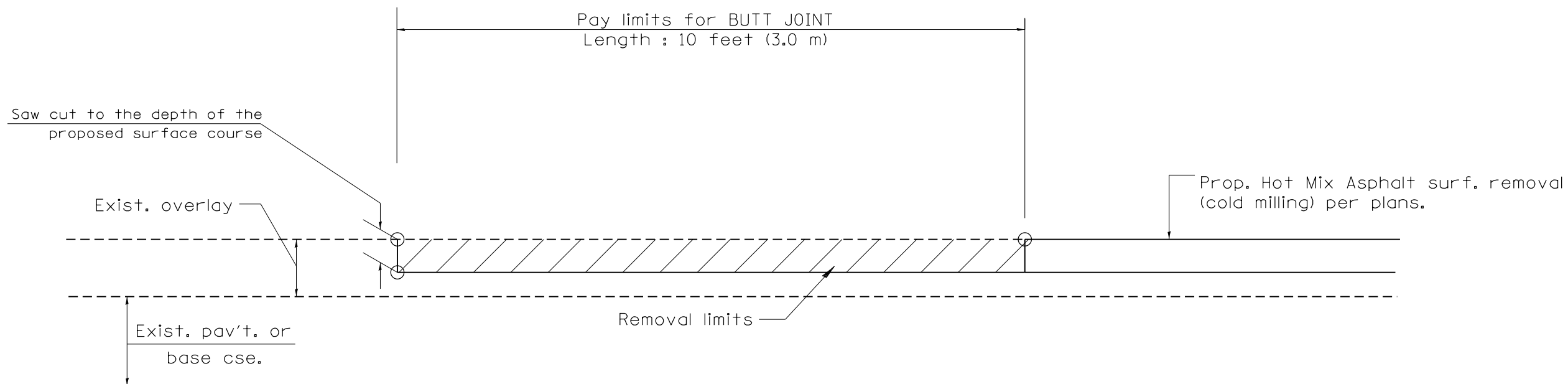


CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER



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

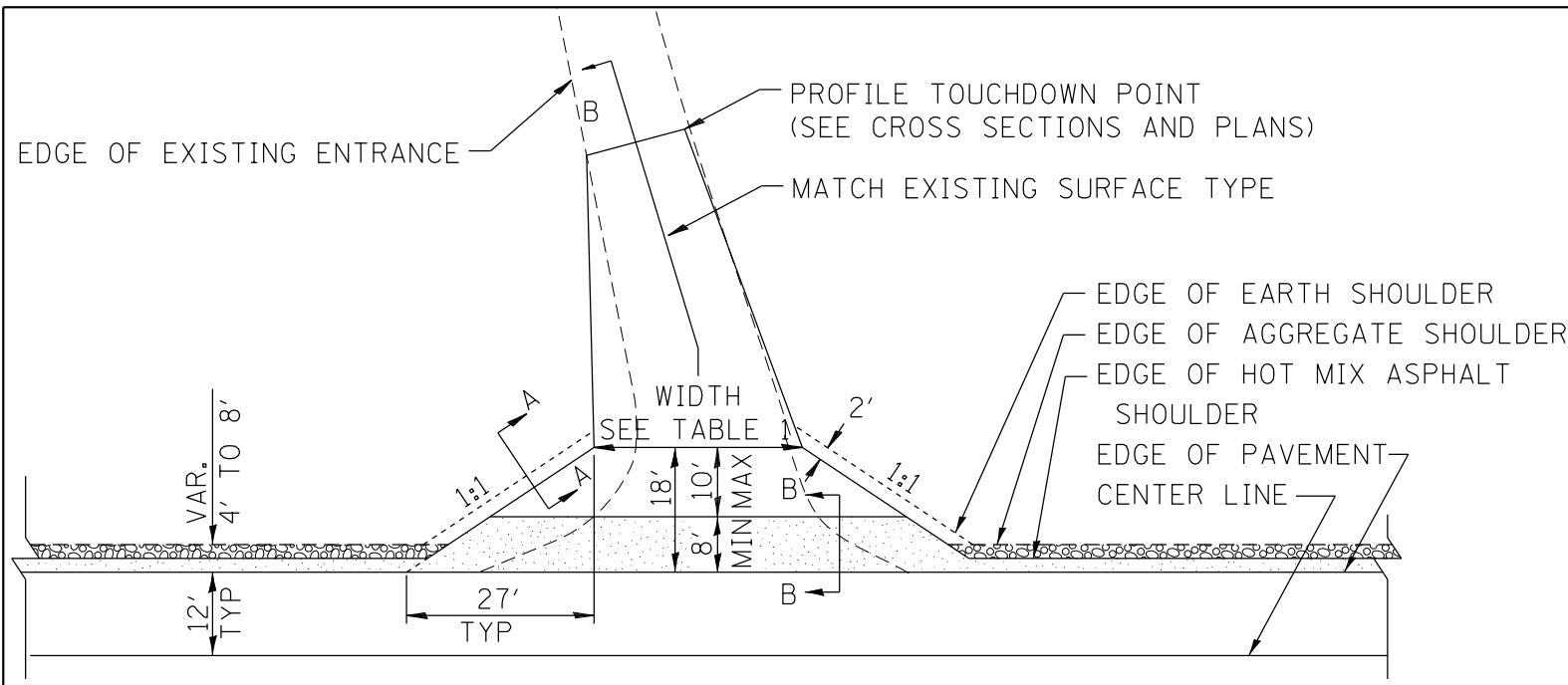
				<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>BUTT JOINTS</b>		SHT. 2 OF 3 CADD STD. 406101-D4	
				NOT TO SCALE				CONTRACT NO. 68C63	
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
2463	8(C-1)CR	TAZEWELL	65	60					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT							



CASE 4 : SINGLE LIFT OVERLAY WITH EQUIVALENT DEPTH  
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER

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

				<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>BUTT JOINTS</b>		SHT. 3 OF 3 CADD STD. 406101-D4		<table border="1"> <tr> <th>F.A.S. RTE.</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>2463</td> <td>8(C-1)CR</td> <td>TAZEWELL</td> <td>65</td> <td>61</td> </tr> <tr> <td colspan="3">FED. ROAD DIST. NO.</td> <td colspan="2">ILLINOIS FED. AID PROJECT</td> </tr> </table>		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	2463	8(C-1)CR	TAZEWELL	65	61	FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																						
2463	8(C-1)CR	TAZEWELL	65	61																						
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT																							
				NOT TO SCALE						CONTRACT NO. 68C63																



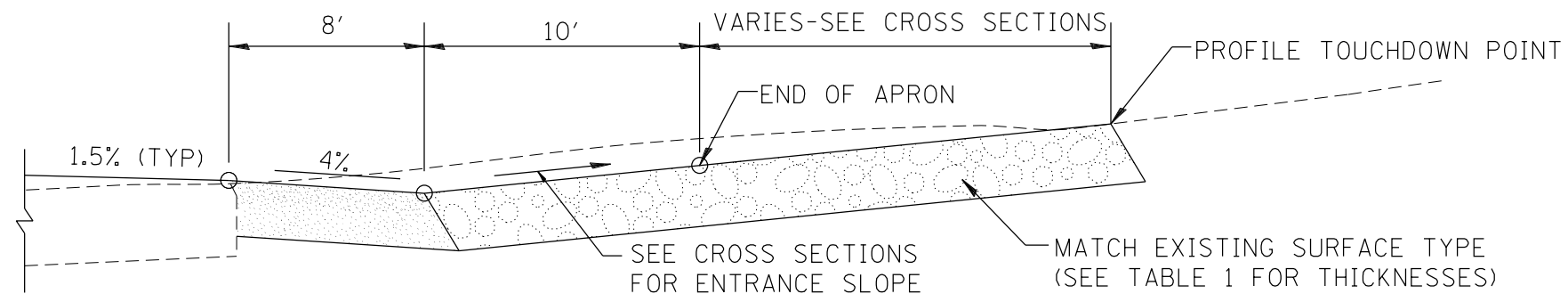
HOT MIX ASPHALT SHOULDER, 8"  
 AGGREGATE SHOULDER, TYPE B, 6"

**PLAN**

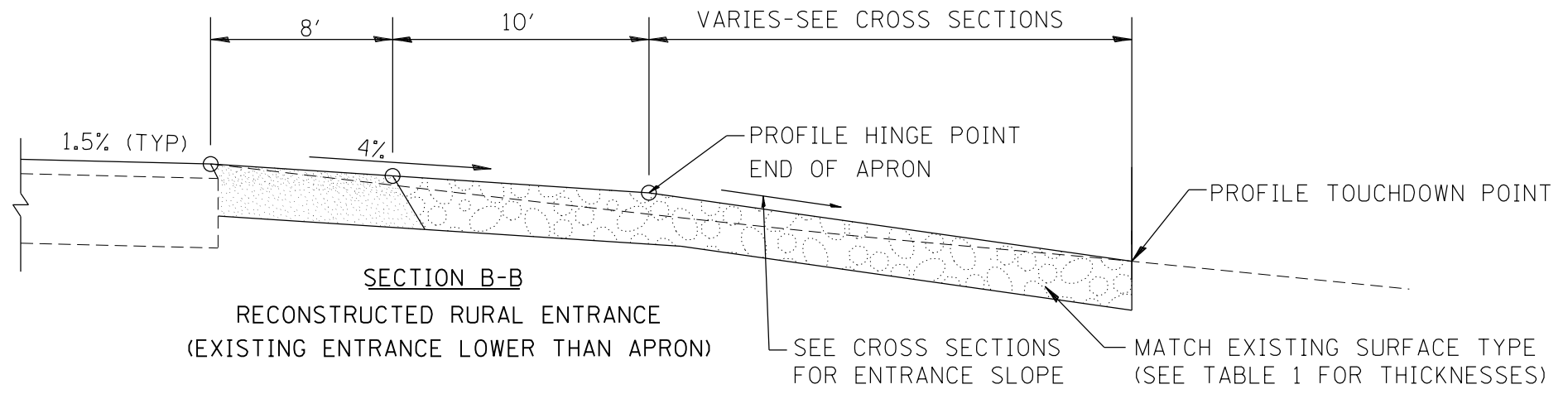
COMMERCIAL / FARM-RELATED ENTRANCE

TABLE 1					
RURAL ENTRANCE DESIGN					
ELEMENT	NON-COMMERCIAL		NON-COMMERCIAL W/ LARGE FARM EQUIPMENT	COMMERCIAL	
				1-WAY OPERATION	2-WAY OPERATION
WIDTH (W)	12'(3.6m) Min.	24'(7.2m) Max.	20' (6.1m)Min.	14'(4.3m) Min.	24'(7.2m) Max.
FLARE					1:1.5
MAX. GRADE (G)	12%		12%		10%

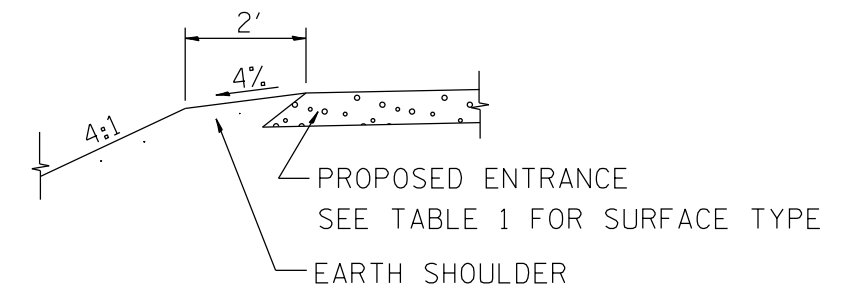
SURFACE TYPE			
INCIDENTAL HOT MIX ASPHALT SURFACING	6"	—	8"
AGGREGATE SURFACE COURSE	6"	8"	—
PCC DRIVEWAY PAVEMENT	6"	—	7"



SECTION B-B  
RECONSTRUCTED RURAL ENTRANCE  
(EXISTING ENTRANCE HIGHER THAN APRON)



SECTION B-B  
RECONSTRUCTED RURAL ENTRANCE  
(EXISTING ENTRANCE LOWER THAN APRON)



SECTION A-A  
SHOULDER TREATMENT FOR RURAL ENTRANCES

GENERAL NOTES

- ENTRANCES SHALL SLOPE AWAY FROM THE PAVEMENT AT A RATE EQUAL TO THE SHOULDER SLOPE FOR A MINIMUM DISTANCE OF 8'.
- A MINIMUM 8' PAVED SHOULDER SHALL BE CONSTRUCTED BETWEEN LOCATIONS WHERE THE RURAL ENTRANCE IS LESS THAN 50' FROM AN ADJACENT SIDEROAD, ENTRANCE OR MAILBOX TURNOUT.
- A TAPER RATE OF 5:1 IS DESIRABLE WHEN TRANSITING FROM THE RURAL ENTRANCE WIDTH SHOWN IN TABLE 1, TO THE EXISTING ENTRANCE WIDTH.

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

01-01-97	RENUM. C-103.06, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
07-01-97	REVISE DESIGNER NOTES	J.A.	9-15-15	UPDATED TABLE 1	R.D.
01-17-03	ADJUST DESIGN, CHANGE ENTRANCE	JATR	2-29-16	MINOR CORRECTIONS	R.D.
09-15-05	RADIUS FOR FLARE	M.M.A.	5-9-17	CHANGED TAPER RATE	R.D.

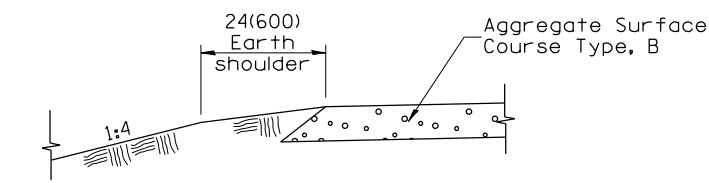
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

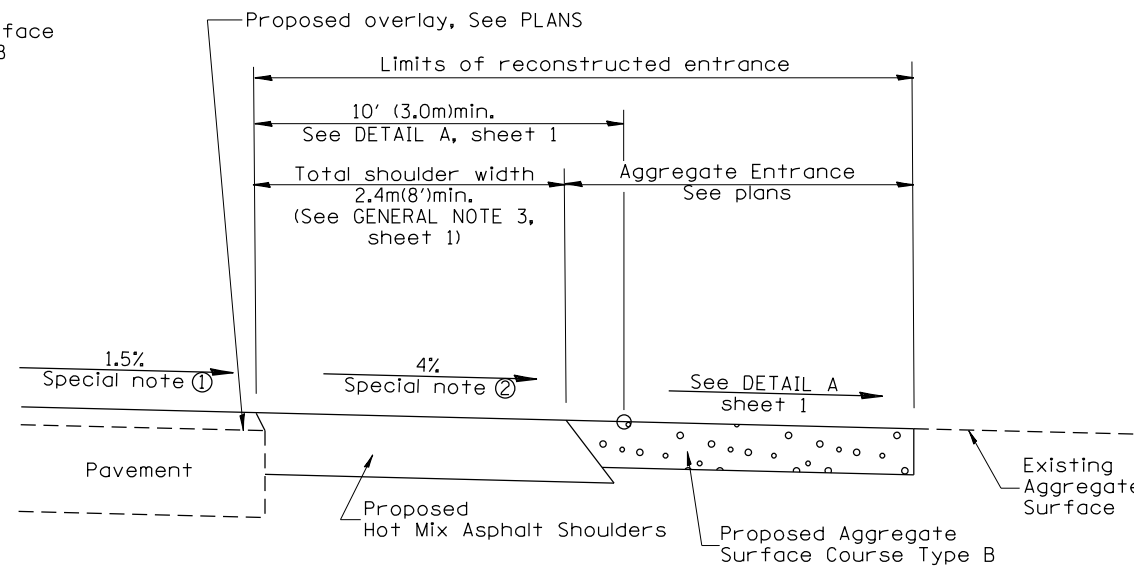
**RURAL ENTRANCES FOR "3R" PROJECTS**

SHT. 1 OF 2  
CADD STD. 406301-04

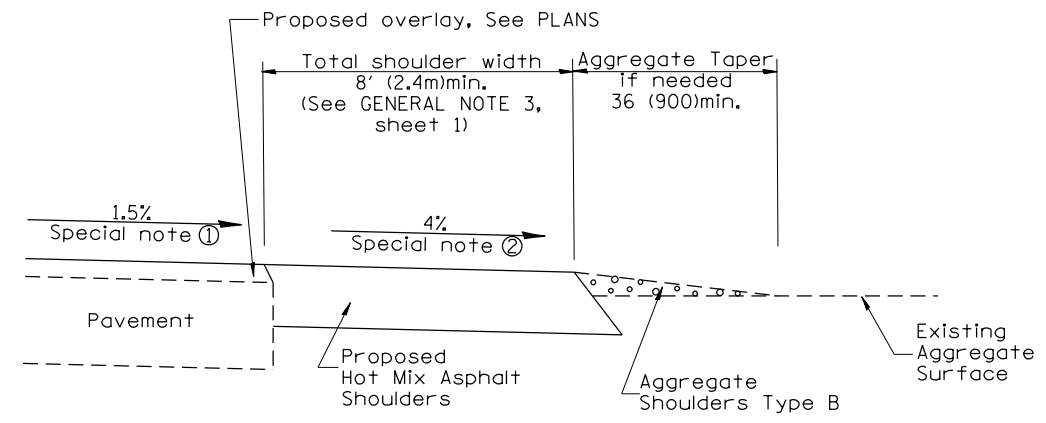
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2463	8(C-1)CR	TAZEWELL	65	62
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 68C63	



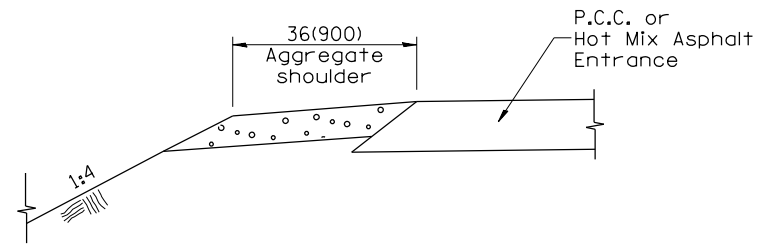
**SECTION A-A**  
SHOULDER TREATMENT FOR AGGREGATE ENTRANCES



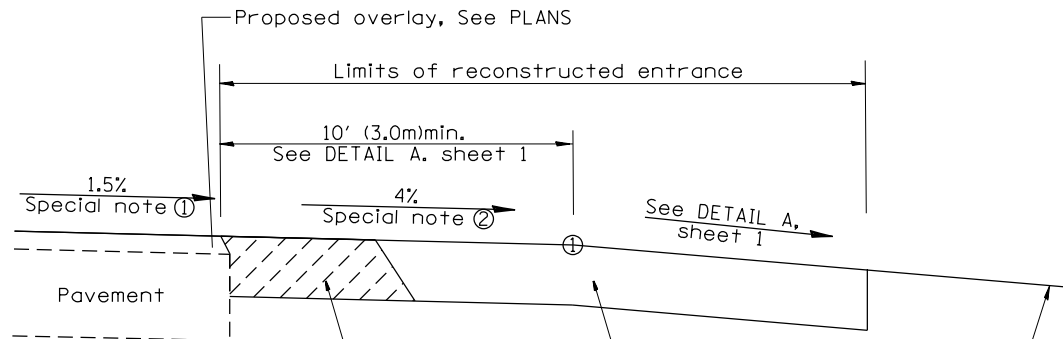
**SECTION B-B**  
RECONSTRUCTED AGGREGATE ENTRANCE



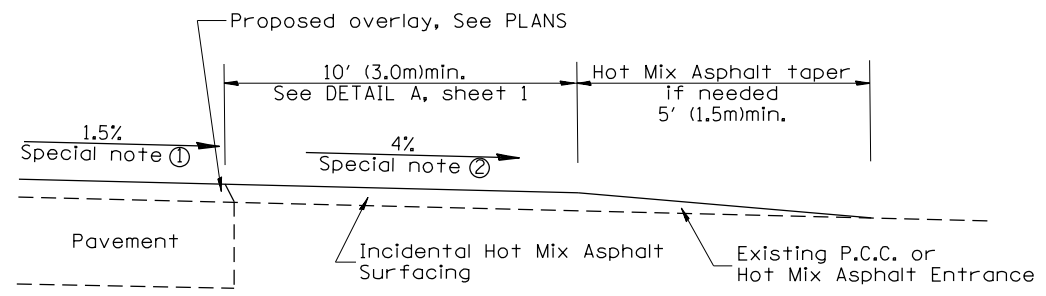
**SECTION B-B**  
EXISTING AGGREGATE ENTRANCE



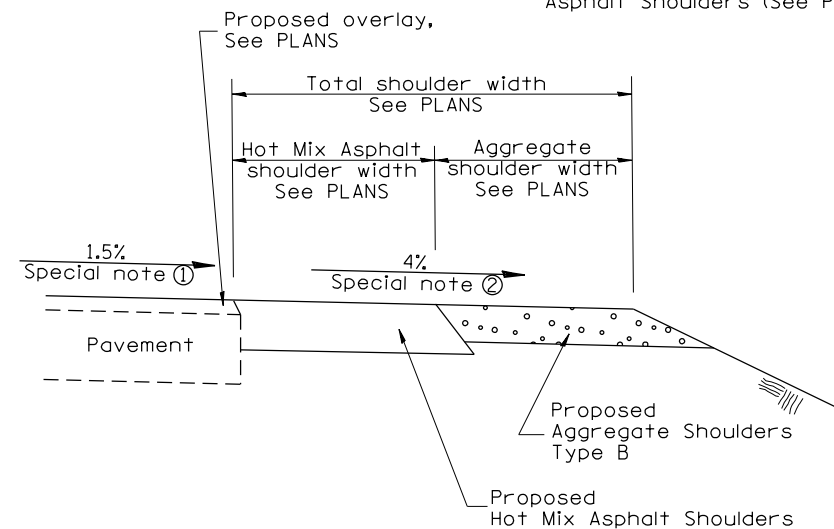
**SECTION C-C**  
SHOULDER TREATMENT FOR P.C.C. OR HOT MIX ASPHALT ENTRANCES



**SECTION D-D**  
RECONSTRUCTED P.C.C. OR HOT MIX ASPHALT ENTRANCE



**SECTION D-D**  
EXISTING P.C.C. OR HOT MIX ASPHALT ENTRANCE

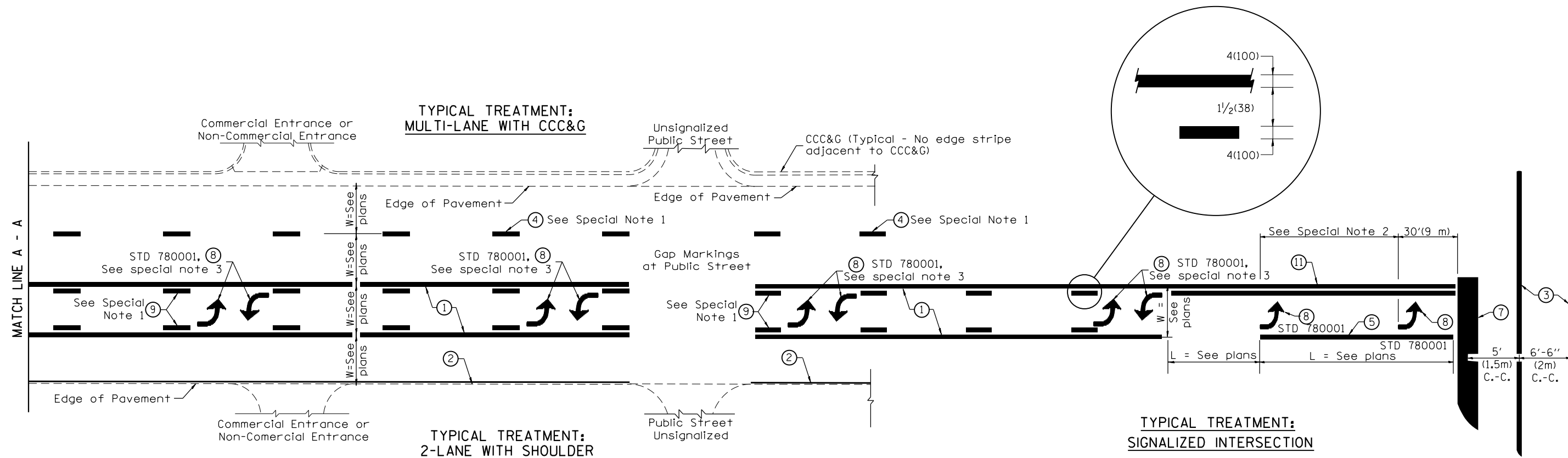


**SECTION E-E**  
MAINLINE SHOULDER TREATMENT

**SPECIAL NOTES**

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on superelevated horizontal curves.
- ② The shoulder slope shall control the entrance profile for a distance of 10' (3.0m) minimum from the pavement edge. The shoulder cross-slope is 4% for tangent alignment. Through superelevated curves, the maximum pavement-shoulder breakover should not be greater than 10% for shoulders 6' (1.8m) and wider and 12% for shoulders 4' (1.2m) and less. Where 12' (366cm) paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

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



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 80' (24 m).
  - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 200' (61 m).
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

**GENERAL NOTES**

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:
  - Through Arrow= 14.8 sq. ft.
  - Large Left or Right Arrow= 21.9 sq. ft.
  - 2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
  - Wrong Way Arrow= 29.5 sq. ft.
  - Railroad Crossing Symbol= 69.8 sq. ft.
 (For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.		<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL PAVEMENT MARKINGS</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.			2463	8(C-1)CR	TAZEWELL	65	64
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.						CONTRACT NO. 68C63				
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.						SHT. 1 OF 2 CADD STD. 780001-D4		ILLINOIS FED. AID PROJECT		

NOT TO SCALE



