

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	1
* (12-1)2N,1-5,TS-3,B-1			-1	
			+1	
			258	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

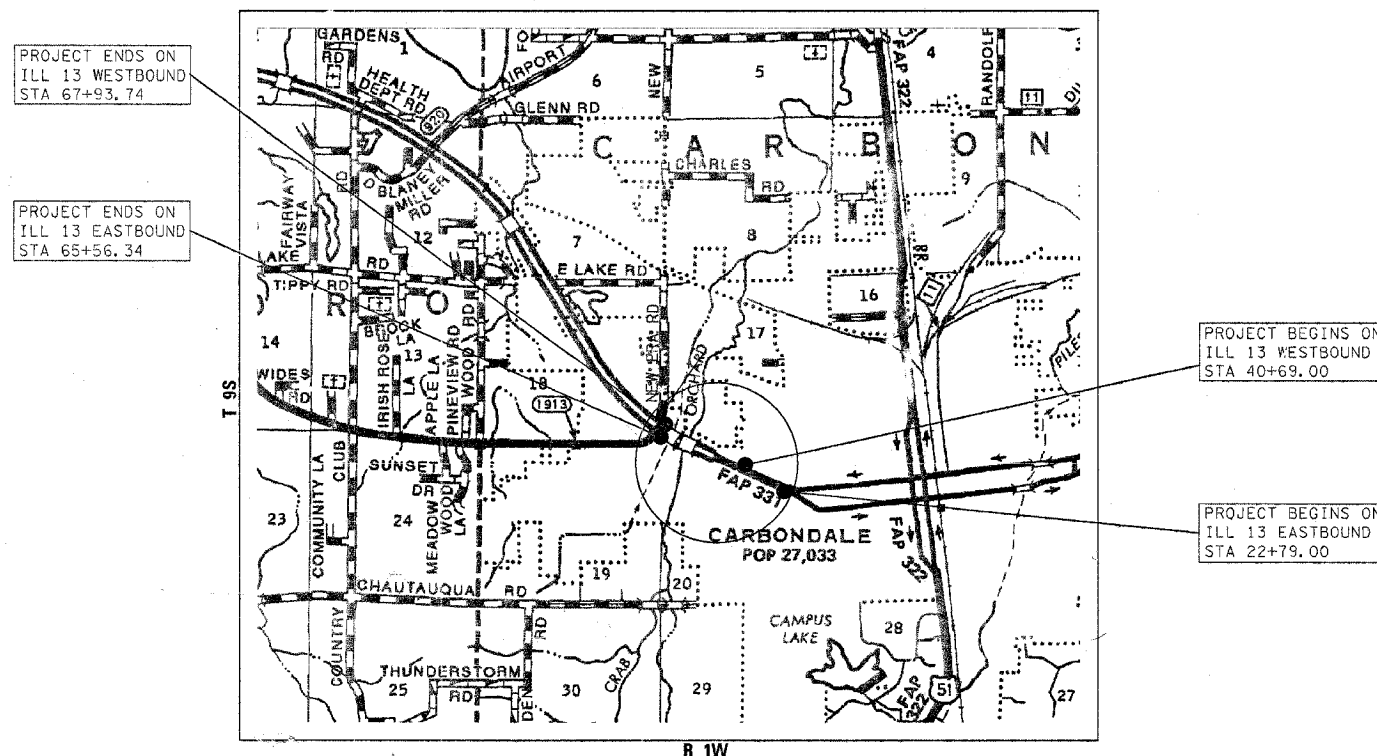
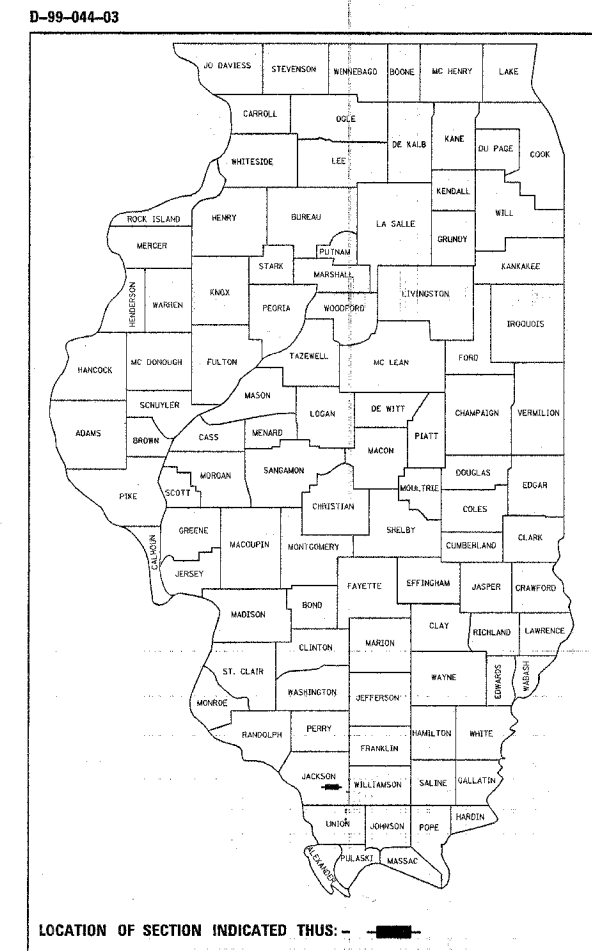
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 331
SECTION (12-1)2N,1-5,TS-3,B-1, B-1A
PROJECT: MA-0331(039)
JACKSON COUNTY

LANE ADDITION, TRAFFIC SIGNALS, BRIDGE RECONSTRUCTION
C-99-078-03

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-6

APPROACH	ADT (2003)	% TRUCKS
GLENVIEW DRIVE S OF ILLINOIS 13	6,900	3%
ILLINOIS 13 E OF GLENVIEW DRIVE	26,900	4%
GLENVIEW DRIVE N OF ILLINOIS 13	1,950	3%
EMERALD LANE S OF ILLINOIS 13	6,181	3%
ILLINOIS 13 W OF SYCAMORE STREET	26,523	5%
SYCAMORE STREET N OF ILLINOIS 13	3,669	6%
ILLINOIS 13 E OF SYCAMORE STREET	23,183	5%
OLD WEST MAIN STREET	1,850	5%



0 50' 100' 1" = 100' PLAN, CROSS SECTIONS

0 50' 100' 1" = 50' PLAN, PROFILE, CROSS SECTIONS

0 50' 100' 1" = 20' PLAN, PROFILE

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 www.julie1call.com

CARBONDALE TOWNSHIP
CONTRACT NO. 98827

GROSS LENGTH OF PROJECT = .86 MILES
NET LENGTH OF PROJECT = .86 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Feb 9 20 00
Man C Lomis
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

20 _____
ENGINEER OF DESIGN AND ENVIRONMENT

20 _____
DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	2
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(12-1)2N,I-5,TS-3,B-1				

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701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-01	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-01	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY FOR SPEEDS EQUAL TO OR GREATER THAN 45 MPH
701421-01	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY FOR SPEEDS EQUAL TO OR GREATER THAN 45 MPH TO 55 MPH
701426-02	LANE CLOSURE, INTERMITTENT OR MOVING OPERATION FOR SPEEDS EQUAL TO OR GREATER THAN 45 MPH
701602-02	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
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878001-04	CONCRETE FOUNDATION DETAILS
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886006	TYPICAL LAYOUT FOR DETECTION LOOPS
BLR 22-4	TWO LANE, TWO WAY RURAL TRAFFIC ROAD CLOSED TO THRU TRAFFIC
780001-01	

Prepared By:	<i>Joe Zdaniewicz</i> DISTRICT STUDIES & PLANNING ENGINEER
Examined By:	<i>Amelias Emery</i> DISTRICT LAND ACQUISITION ENGINEER
Examined By:	<i>Conrad Nolan</i> DISTRICT PROGRAM DEVELOPMENT ENGINEER
Examined By:	<i>Joseph...</i> DISTRICT OPERATIONS ENGINEER
Examined By:	<i>Joseph...</i> DISTRICT CONSTRUCTION ENGINEER
Examined By:	<i>Joseph...</i> DISTRICT MATERIALS ENGINEER
Examined By:	<i>Joseph...</i> DISTRICT PROJECT SUPERVISION ENGINEER
Approved By:	<i>Mark...</i> DEPUTY DIRECTOR OF HIGHWAYS, REGIONAL ENGINEER
DATE	Rev Rb 9 2006

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	3
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (12-1)2N, I-5, TS-3, B-1

GENERAL NOTES

1. THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
2. FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL BITUMINOUS	2.016 TONS/CU YD
ALL AGGREGATE	2.05 TONS/CU YD
BITUMINOUS MATERIALS:	
ON PAVEMENT	0.09 GAL/SQ YD
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ YD
GROUT FOR RIPRAP	0.11 CU YD/SQ YD
3. FORMS FOR CONCRETE CURB AND GUTTER AND CONCRETE GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.
4. PROTECTIVE COAT SHALL BE APPLIED TO PCC PAVEMENT, PCC DRIVEWAY PAVEMENT, CONCRETE CURB AND GUTTER AND CONCRETE MEDIAN SURFACE AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS FOR ARTICLE 420.21 OF THE STANDARD SPECIFICATIONS.
5. ADDITIONAL WIDTH OF GUTTER FLAG, AT LOCATIONS INDICATED ON THE PLANS, SHALL BE POURED MONOLITHICALLY WITH THE NORMAL GUTTER FLAG AND WILL NOT BE MEASURED NOR PAID FOR SEPARATELY.
6. AT ALL LOCATIONS WHERE THE PROPOSED BITUMINOUS OR CONCRETE PAVEMENT JOINS AN EXISTING BITUMINOUS OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.
7. THE QUANTITY FOR BITUMINOUS MATERIALS PRIME COAT INCLUDED IN THE PLANS IS BASED ON AN ANTICIPATED SEQUENCE OF CONSTRUCTION, AND 4" MAXIMUM LIFTS. THE ACTUAL QUANTITY MAY VARY DEPENDENT ON THE CONTRACTOR'S SEQUENCE OF OPERATIONS.
8. COMBINATION CURB AND GUTTER SHOULD BE TIED TO PCC BASE COURSE WHERE 1 1/2" CLEARANCE CAN BE MAINTAINED. SOME AREAS WITHIN THE GRADE RAISE WILL BE UNTIED, A QUANTITY OF SUB-BASE GRANULAR MATERIAL (TON) HAS BEEN PROVIDED FOR CURB AND GUTTER CONSTRUCTION IN THESE AREAS. THE CONTRACTOR HAS THE OPTION TO POUR ADDITIONAL FLAG DEPTH, THEREBY ALLOWING THE CURB TO BE TIED AND NEGATING THE NEED FOR SUB-BASE GRANULAR MATERIAL (TON).
9. CLASS D PATCHING SHOULD BE USED IN ALL AREAS WITHIN THE LIMITS OF THE PROPOSED GRADE RAISE.
10. PAYMENT FOR TIEBARS AND DOWEL BARS SHALL BE INCLUDED IN THE COST OF THE PROPOSED PAVEMENT AND/OR COMBINATION CURB AND GUTTER.
11. AFTER A LIFT OF BITUMINOUS CONCRETE HAS BEEN PLACED ON A LANE, THAT LANE SHALL REMAIN CLOSED TO TRAFFIC UNTIL THE NEW MAT HAS COOLED TO 150°F.
12. EXISTING SURFACE DISTURBED DURING EXCAVATION FOR FOUNDATIONS AND PUSH PITS SHALL BE RESTORED TO THE LIMITS AND CONDITION SPECIFIED BY THE ENGINEER OR AS SHOWN ON THE PLANS. UNLESS NOTED OTHERWISE ON THE PLANS THE REMOVAL AND RESTORATION SHALL BE INCLUDED IN THE CONTRACT.
13. EARTHWORK REQUIRED IN AREAS OF PAVEMENT REMOVAL, CONCRETE MEDIAN SURFACE REMOVAL, CORRUGATED MEDIAN REMOVAL, AND ISLAND REMOVAL TO CONSTRUCT THE PROPOSED PCC PAVEMENT, SUB-BASE GRANULAR MATERIAL, CONCRETE MEDIAN SURFACE, AND CONCRETE MEDIANS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PROPOSED PAY ITEM TO BE CONSTRUCTED.
14. ALL AGGREGATE SHOWN ON STANDARD 606301 SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR CONCRETE MEDIAN SURFACE, 4 INCH.
15. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42, OR M-53 GRADE 60
16. EXPANSION BOLTS SHALL CONSIST OF APPROVED EXPANSION ANCHORS, PROVIDING MINIMUM CERTIFIED PROOF LOAD = 4,080 LBS. AND 3/4" x 12" HOOKED BOLTS.
17. PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.
18. THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR BITUMINOUS SURFACE REMOVAL, INDIVIDUAL LIFTS OF BITUMINOUS BINDER AND BITUMINOUS SURFACE, AT THE RATE OF 4 FEET IN 40 FEET.
19. THE TYPE III TAPE QUANTITIES INCLUDED IN THE PLANS ALLOW FOR:
 - BLACK TAPE TO COVER ALL EXISTING PAVEMENT MARKINGS ON IL 13
 - YELLOW AND WHITE FOR AN EASTBOUND AND WESTBOUND LANES SHIFT ON IL 13
 - YELLOW AND WHITE TAPE FOR STAGE I AND STAGE II BRIDGE TRAFFIC
 - THE ACTUAL QUANTITY MAY VARY DEPENDENT ON THE CONTRACTORS SEQUENCE OF OPERATIONS
20. NO TEMPORARY RAMPS ARE PROVIDED FOR THE ILLINOIS 13 EDGE OF PAVEMENT AT EMERALD AND SYCAMORE. THE CONTRACTOR SHOULD UTILIZE THE ROAD CLOSURE PROVISION AND PROPER PLANNING TO AVOID THE NECESSITY OF RAMPS AT THESE LOCATIONS.
21. THE TRAFFIC OPERATIONS ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF MAST ARM AND CONTROLLER FOUNDATIONS, HANDHOLES, AND GULFBOX JUNCTIONS AND SHALL APPROVE THE LOCATIONS OF EACH AND MAY ADJUST TO FIT FIELD CONDITIONS IF NECESSARY.
22. THE INDUCTION LOOP WIRE AND LEAD-IN WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.
23. SHIELDED CABLE TO LOOP LEADS SHALL BE GROUNDED AT THE CONTROLLER TERMINAL ONLY.
24. WHILE SIGNAL HEADS ARE MOUNTED IN PLACE, BUT NOT YET IN OPERATION, THEY SHALL BE SECURELY COVERED IN WHITE PLASTIC.
25. SAWED SLOTS FOR TWISTED PAIR ELECTRIC CABLES SHALL BE LARGER THAN SINGLE CONDUCTOR LOOP SLOTS.
26. ALL NON-ESSENTIAL ELECTRIC CABLE SHALL BE REMOVED FROM EXISTING CONDUIT THAT IS TO BE USED FOR INSTALLATION OF PROPOSED ELECTRIC CABLE. THIS WORK WILL BE CONSIDERED INCLUDED IN THE PROPOSED ELECTRIC CABLE PAY ITEM.
27. ALL PEDESTRIAN PUSH-BUTTON POSTS SHALL BE EQUIPPED WITH TWO DIRECTIONAL SIGNS (R10-4b).
28. THE FURNISHING AND INSTALLATION OF THE 1 1/4" CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT OR HANDHOLE WILL BE INCIDENTAL TO THE LOOP INSTALLATION AND SEPARATE PAYMENT WILL NOT BE MADE FOR THIS WORK.
29. DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO FINAL SURFACE INSTALLATION. THE DETECTOR LOOP CORNERS SHALL BE DIAGONALLY CUT. IF RESURFACING IS NOT INCLUDED, THEN THE DETECTOR LOOP CORNERS SHALL BE CORE DRILLED 2" MIN DIAMETER.
30. CABLE QUANTITIES ARE MEASURED IN PLAN VIEW.
31. THE FINAL LOCATION OF THE DETECTOR LOOPS, AND TRAFFIC SIGNAL FOUNDATIONS, SHALL BE APPROVED BY THE BUREAU OF OPERATIONS BEFORE INSTALLATION.
32. ALL PROPOSED MAST ARMS SHALL BE LOCATED NO CLOSER THAN 6 FT FROM FACE OF CURB TO THE CENTER OF POLE; ALL PROPOSED TRAFFIC SIGNAL POSTS WILL BE LOCATED NO CLOSER THAN 4 1/2' FROM FACE OF CURB TO CENTER OF POST, UNLESS SHOWN OTHERWISE ON THE PLANS.
33. IN AREAS WHERE MULTIPLE RUNS OF PARALLEL CONDUIT ARE IN THE SAME LOCATION, TRENCH AND BACKFILL WILL ONLY BE PAID FOR ONCE.
34. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.
35. UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION AND THEIR TRUE LOCATIONS ARE NOT GUARANTEED TO BE AS SHOWN IN THE PLANS.
36. TRENCH BACKFILL REQUIRED FOR STORM SEWER SHALL ONLY BE PLACED UP TO ONE FOOT BELOW THE FINAL GRADE IN AREAS HAVING A PROPOSED GRASS OR SOD SURFACE.
37. ALL PIPE CULVERT OR STORM SEWER EXTENSIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH METHOD II AS SPECIFIED IN ARTICLE 542.05 OF THE STANDARD SPECIFICATIONS. PRIOR TO EXTENDING ANY PIPE CULVERT OR STORM SEWER, THE ENTIRE LENGTH OF THE EXISTING PIPE CULVERT OR STORM SEWER SHALL BE CLEANED OF ALL EARTH AND DEBRIS BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04.
38. CONNECTING OF NEW OR EXISTING STORM SEWER TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, STORM SEWER PIPE SHALL BE PLACED OR CUT FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE OF THE STORM SEWERS OR STRUCTURES INVOLVED.
39. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER ACCORDING TO ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL RE-ERECT THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.
40. THE QUANTITY OF EROSION CONTROL BLANKET SHOWN IN THE PLANS IS ONLY AN ESTIMATE. THE ACTUAL AMOUNT USED, AND LOCATION, SHALL BE DETERMINED BY THE ENGINEER.
41. STONE RIPRAP USED IN DITCHES SHOULD BE PLACED IMMEDIATELY UPON COMPLETION OF EARTHWORK AND GRADING IN ORDER TO PREVENT EROSION.
42. THE REMOVAL OF BROKEN CONCRETE IN EXISTING DITCHES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
43. PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. THE CONTRACTOR, HOWEVER, WILL BE PAID FOR THE ACTUAL QUANTITY FURNISHED AT THE UNIT PRICE BID FOR THE WORK. EXISTING PLANS ARE AVAILABLE FOR REVIEW AT THE DISTRICT 9 OFFICE.
44. ANY TIME THE CONCRETE BARRIER IS NOT IN THE PROPER POSITION, FLAGGERS SHALL BE IN PLACE TO CONTROL TRAFFIC.
45. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY DEBRIS OR DIRT CAUSED BY CONSTRUCTION ACTIVITY THAT COVERS THE NEW RIPRAP AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
46. REMOVAL OF EXISTING BRIDGE APPROACH PAVEMENTS (VAR. 16 1/2" AT EDGE TO 10 1/2" AT CTR.) IS INCLUDED IN THE QUANTITY FOR PAVEMENT REMOVAL.
47. IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16 THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECK AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURE. PROTECTION SHALL BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 101.17 REGARDLESS IF TRACK MOUNTED OR WHEELED.
48. QUANTITIES SHOWN IN THE PLANS FOR BRIDGE DECK GROOVING AND PROTECTIVE COAT INCLUDE THE BRIDGE, THE BRIDGE APPROACH PAVEMENTS (SPECIAL), AND THE BRIDGE APPROACH PAVEMENT CONNECTORS (PCC), (SPECIAL).
49. PROTECTIVE COAT SHALL BE APPLIED TO THE BRIDGE, THE BRIDGE APPROACH PAVEMENTS (SPECIAL), AND THE BRIDGE APPROACH PAVEMENT CONNECTORS (PCC), SPECIAL IN ACCORDANCE WITH ARTICLE 503.19 OF THE STANDARD SPECIFICATION. THE SEASONAL EXCEPTION SHALL NOT APPLY. THE PROTECTIVE COAT SHALL BE APPLIED REGARDLESS OF THE CURING METHOD USED. THE RATE OF APPLICATION FOR EACH COAT ON SAW CUT GROOVED AREAS SHALL BE 25 SQUARE YARDS PER GALLON OF MIXTURE.
50. THE QUANTITY OF CHANNEL EXCAVATION IN THE PLANS CONSISTS OF THE AREA ABOVE THE PROPOSED STONE RIPRAP, CLASS A4 BETWEEN THE BACK OF THE EXISTING ABUTMENTS AND THE FRONT OF THE PROPOSED ABUTMENTS.
51. THE EXISTING SANITARY SEWER PIPE IN THE CHANNEL AT THE ILLINOIS 13 OVER CRAB ORCHARD CREEK BRIDGES SHALL REMAIN IN PLACE. THIS PIPE SHALL BE EXPOSED IN 15' MAXIMUM LENGTHS DURING EXCAVATION THAT IS REQUIRED FOR THE INSTALLATION OF THE PROPOSED STONE RIPRAP CLASS A4 AS SHOWN IN THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CITY OF CARBONDALE PRIOR TO THE START OF THIS EXCAVATION.

COMMITMENTS

- THE CITY WILL PROVIDE SUFFICIENT PERSONNEL, FOR OBSERVATION, AT THE REQUEST OF THE DISTRICT CONSTRUCTION ENGINEER, DURING OPERATIONS WHICH MAY IMPACT THE CITY'S UTILITIES.
- THE CHAIN LINK FENCE FOR MURDALE TRUE VALUE EQUIPMENT RENTALS SHALL NOT BE DAMAGED OR REMOVED DUE TO CONSTRUCTION ACTIVITIES. ADEQUATE SPACE IS AVAILABLE AND THE CONTRACTOR SHALL UTILIZE WHATEVER MEANS NECESSARY TO REMOVE AND CONSTRUCT THE COMBINATION CURB AND GUTTER AND PCC SIDEWALK ADJACENT TO THE FENCE. ANY DAMAGE TO THE FENCE OR EQUIPMENT STORED WITHIN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE RESIDENT ENGINEER SHALL CONTACT MR. GREG KLINE, CITY OF CARBONDALE FORESTER, PRIOR TO ANY TREE REMOVAL BETWEEN OLD MAIN AND GLENVIEW. MR. KLINE WILL EXAMINE ROOT DAMAGE SUSTAINED BY INDIVIDUAL TREES AT THE TIME OF EXCAVATION AND DETERMINE WHETHER THEY MAY BE SAVED. QUANTITIES FOR TREE REMOVAL AND REPLACEMENT ARE INCLUDED IN THE PLANS FOR THOSE TREES WITH THE POTENTIAL FOR ROOT DAMAGE. TREES THAT ARE DEEMED ABLE TO SURVIVE WILL BE MONITORED THROUGHOUT THE DURATION OF THE CONTRACT. AT THE END OF CONSTRUCTION ACTIVITIES THOSE THAT ARE STILL LIVING WILL BE DELETED FROM THE CONTRACT QUANTITIES. ANY TREES THAT DIE AFTER THE PUNCH LIST IS COMPLETED WILL BE THE RESPONSIBILITY OF THE CITY OF CARBONDALE.
- IF ANY CHANGES ARE TO BE MADE TO THE CONSTRUCTION LIMITS BEFORE OR DURING THE CONSTRUCTION PHASE, PLEASE CONTACT THE D-9 ENVIRONMENTAL COORDINATOR AT 618-351-5284 TO REPORT THE CHANGE SO THAT POSSIBLE IMPACTS CAN BE INVESTIGATED.

F.A.D. DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	4
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	

*(12-1)2N,I-5,TS-3,B-1

SUMMARY OF QUANTITIES

CODE NO	ITEM	CONSTRUCTION TYPE CODE		I000-2A		X071-2A	Y031-1F	Y031-1F	Y030-1E	Y030-1E	SFTY-1B
		UNIT	TOTAL QUANTITIES	ILL 13 ROADWAY 80% FED 20% STATE	EMERALD/SYCAMORE 80% FED 20% CITY	BRIDGE SN (039-0071) 80% FED 20% STATE	TRAFFIC SIGNALS EMERALD/SYCAMORE 80% FED 10% STATE 10% CITY	TRAFFIC SIGNALS GLENVIEW 80% FED 13.33% STATE 6.66% CITY	LIGHTING EMERALD/SYCAMORE 80% FED 20% CITY	LIGHTING GLENVIEW 80% FED 20% CITY	SIDEWALK 100% STATE UP TO \$150,000 REMAINDER 100% CITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	75	75							
20101100	TREE TRUNK PROTECTION	EACH	1	1							
20101200	TREE ROOT PRUNING	EACH	1	1							
20101350	TREE PRUNING (OVER 10 IN DIAMETER)	EACH	1	1							
20200100	EARTH EXCAVATION	CU YD	6040	5730	310						
20300100	CHANNEL EXCAVATION	CU YD	847			847					
20400100	BORROW EXCAVATION	CU YD	6596	5927	669						
20800150	TRENCH BACKFILL	CU YD	312.2	309.6	2.6						
20700400	POROUS GRANULAR EMBANKMENT (SPECIAL)	CU YD	430			430					
25000350	SEEDING, CLASS 7	ACRE	5	4.3	0.7						
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	797	683	114						
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	598	513	85						
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	598	513	85						
25000700	AGRICULTURAL GROUND LIMESTONE	TON	10	8.6	1.4						
25100115	MULCH, METHOD 2	ACRE	3.9	3.3	0.6						
25100630	EROSION CONTROL BLANKET	SQ YD	5443	4873	570						
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1494	1281	213						
28000300	TEMPORARY DITCH CHECKS	EACH	14	14							
28000400	PERIMETER EROSION BARRIER	FOOT	2024	2024							
28000500	INLET AND PIPE PROTECTION	EACH	7	7							
28100107	STONE RIP-RAP, CLASS A4	SQ YD	1812.5	104.5		1708					
28100705	STONE DUMPED RIP-RAP, CLASS A3	SQ YD	140	140							
28200200	FILTER FABRIC	SQ YD	1812.5	104.5		1708					
20201400	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	216	163	53						
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A, 4"	SQ YD	13059	11908	796						
35300400	PORTLAND CEMENT CONCRETE BASE COURSE, 9"	SQ YD	9593	9047	546						355
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	6329	5997	332						
40600300	AGGREGATE (PRIME COAT)	TON	106	100	6						
40600985	PCC SURFACE REMOVAL - BUTT JOINT	SQ YD	32	0	32						
40600990	TEMPORARY RAMP	SQ YD	351	311	40						
42000501	PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)	SQ YD	25	25	0						
42001300	PROTECTIVE COAT	SQ YD	13,364	12483	698						
42001400	BRIDGE APPROACH PAVEMENT, SPECIAL	SQ YD	790	790							183
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7"	SQ YD	933	933							
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	12661	3550							
44000066	BITUMINOUS SURFACE REMOVAL, 1-1/2"	SQ YD	10672	10087	585						9111
44000030	BITUMINOUS SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	8436	8436							
44000100	PAVEMENT REMOVAL	SQ YD	548	548							
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1320	1320							
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3440	1841	550						1049
44000600	SIDEWALK REMOVAL	SQ FT	2972	2635							337
44003100	MEDIAN REMOVAL	SQ FT	5744	5744							
44004250	PAVED SHOULDER REMOVAL	SQ YD	4120	4120							
44200966	CLASS B PATCHES, TYPE 1, 10"	SQ YD	8	8							
44201785	CLASS D PATCHES, TYPE 1, 12"	SQ YD	89	89							
44201835	CLASS D PATCHES, TYPE 1, 16"	SQ YD	74	74							
44213200	SAW CUTS	FOOT	66	66							
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3081	3081							
48202000	BITUMINOUS SHOULDERS SUPERPAVE	TON	2466	2466							
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	2			2					
50104400	CONCRETE HEADWALL REMOVAL	EACH	3	3							
50200100	STRUCTURE EXCAVATION	CU YD	538			538					
50300100	FLOOR DRAINS	EACH	10			10					
50300225	CONCRETE STRUCTURES	CU YD	117.4			117.4					
50300255	CONCRETE SUPERSTRUCTURE	CU YD	402.8			402.8					
50300260	BRIDGE DECK GROOVING	SQ YD	985			985					
50300300	PROTECTIVE COAT	SQ YD	1267			1267					
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L. SUM	1			1					
50500505	STUD SHEAR CONNECTORS	EACH	8096			8096					
50800105	REINFORCEMENT BARS	POUND	9240	9240							
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	90810			90810					
51201710	FURNISHING STEEL PILES HP 12 X 84	FOOT	6118			6118					
X0325278	DRIVING PILES	FOOT	6118			6118					
51203710	TEST PILE STEEL HP 12 X 84	EACH	1			1					
51500100	NAME PLATES	EACH	1			1					
54002020	EXPANSION BOLTS 3/4"	EACH	56	56							
54003000	CONCRETE BOX CULVERT	CU YD	44.4	44.4							
54011106	PRECAST CONCRETE BOX CULVERT, 11' X 6,	FOOT	16	16							
54213660	PRECAST REINFORCED FLARED END SECTION, 15"	EACH	3	3							
54215430	CAST-IN-PLACE REINFORCED CONCRETE END SECTION, 30"	EACH	2	2							
54244505	FLUSH INLET BOX FOR MEDIAN	EACH	1	1							
54248510	CONCRETE COLLAR	CU YD	3.65	3.41	0.24						

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F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	5

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

* (12-112N, I-5, TS-3, B-1)

CODE NO	ITEM	CONSTRUCTION TYPE CODE		1000-2A	1000-2A	X071-2A	Y031-1F	Y031-1F	Y030-1E	Y030-1E	SFTY-1B
		UNIT	TOTAL QUANTITIES	ILL 13 ROADWAY 80% FED 20% STATE	EMERALD/SYCAMORE 80% FED 20% CITY	BRIDGE SN (039-0071) 80% FED 20% STATE	TRAFFIC SIGNALS EMERALD/SYCAMORE 80% FED 10% STATE 10% CITY	TRAFFIC SIGNALS GLENVIEW 80% FED 13.33% STATE 6.66% CITY	LIGHTING EMERALD/SYCAMORE 80% FED 20% CITY	LIGHTING GLENVIEW 80% FED 20% CITY	SIDEWALK 100% STATE UP TO \$150,000 REMAINDER 100% CITY
550A0050	STORM SEWER, CLASS A, TYPE 1, 12"	FOOT	126	115	11						
550A0070	STORM SEWER, CLASS A, TYPE 1, 15"	FOOT	56	56							
550A0120	STORM SEWER, CLASS A, TYPE 1, 24"	FOOT	24	24							
550A0340	STORM SEWER, CLASS A, TYPE 2, 12"	FOOT	14	14							
550A0360	STORM SEWER, CLASS A, TYPE 2, 15"	FOOT	322	322							
550A0430	STORM SEWER, CLASS A, TYPE 2, 30"	FOOT	22	22							
55100500	STORM SEWER REMOVAL, 12"	FOOT	250	234	16						
55100700	STORM SEWER REMOVAL, 15"	FOOT	664	664							
55100900	STORM SEWER REMOVAL, 18"	FOOT	593	593							
55101100	STORM SEWER REMOVAL, 21"	FOOT	6	6							
55101200	STORM SEWER REMOVAL, 24"	FOOT	42	42							
55101300	STORM SEWER REMOVAL, 27"	FOOT	12	12							
55101400	STORM SEWER REMOVAL, 30"	FOOT	6	6							
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	227			227					
60109580	PIPE UNDERDRAINS FOR STRUCTURES, 4"	FOOT	360			360					
60242500	INLETS SPECIAL NO. 1	EACH	1	1							
60242600	INLET SPECIAL NO. 2	EACH	1	1							
X0325301	INLETS SPECIAL, TY3, 5' (MODIFIED)	EACH	4		4						
60243500	INLET SPECIAL, TYPE 3, 6'	EACH	17	16	1						
60500060	REMOVING INLETS	EACH	27	25	2						
60500065	REMOVING INLETS SPECIAL	EACH	3	1	2						
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1719	690							1029
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	3987	3498	489						
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	328	328							
60618300	CONCRETE MEDIAN SURFACE, 4"	SQ FT	4665	4665							
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	487.5	287.5		200					
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1							
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2			2					
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	2			2					
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (FLARED)	EACH	1	1							
63200310	GUARD RAIL REMOVAL	FOOT	426			426					
66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1							
66900510	BETX-PNAS SOIL ANALYSIS	EACH	2	2							
66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1							
66900635	LEAD TCLP SOIL ANALYSIS	EACH	2	2							
69900105	NON-SPECIAL WASTE DISPOSAL	CU YD	27	27							
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	14	14							
67100100	MOBILIZATION	L SUM	1	1							
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1							
70100330	TRAFFIC CONTROL AND PROTECTION, STANDARD 701426	L SUM	1	1							
70101835	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1	1							
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1							
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1							
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1			1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAILY	180	180							
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	4801	4674	127						
70300210	TEMPORARY PAVEMENT MARKING-LETTERS & SYMBOLS	SQ FT	332.8	249.6	83.2						
70300220	TEMPORARY PAVEMENT MARKING-LINE 4"	FOOT	16214	15647	567						
70300240	TEMPORARY PAVEMENT MARKING-LINE 6"	FOOT	585	287	298						
70300260	TEMPORARY PAVEMENT MARKING-LINE 12"	FOOT	813	731	82						
70300280	TEMPORARY PAVEMENT MARKING-LINE 24"	FOOT	345	195	150						
70300505	PAVEMENT MARKING TAPE, TYPE III SPECIAL	FOOT	29146	29146							
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	18050	18008	42						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	760			760					
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	580			580					
72000200	SIGN PANEL - TYPE 2	SQ FT	60				30		30		
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	22.5				10		12.5		
72400720	RELOCATE SIGN PANEL - TYPE 2	SQ FT	20				20				
78000100	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	332.8	249.6	83.2						
78000200	THERMOPLASTIC PAVEMENT MARKING LINE 4"	FOOT	16214	15647	567						
78000400	THERMOPLASTIC PAVEMENT MARKING LINE 6"	FOOT	585	287	298						
78000600	THERMOPLASTIC PAVEMENT MARKING LINE 12"	FOOT	813	731	82						
78000650	THERMOPLASTIC PAVEMENT MARKING LINE 24"	FOOT	345	195	150						
78200405	GUARDRAIL MARKERS	EACH	11	5		6					
78200500	BARRIER WALL MARKERS	EACH	4			4					
78201000	TERMINAL MARKERS - DIRECT APPLIED	EACH	5	1		4					
78300100	PAVEMENT MARKING REMOVAL	SQ FT	172		172						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	206	206							
80300100	LOCATING UNDERGROUND CABLE	FOOT	105				30		75		
80500105	SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1				1				

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SUMMARY OF QUANTITIES

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	6

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

* (12-1)2N,1-5,TS-3

CODE NO	ITEM	CONSTRUCTION TYPE CODE		I000-2A		X071-2A		Y031-1F		Y031-1F		Y030-1E		Y030-1E		SFTY-1B	
		UNIT	TOTAL QUANTITIES	ILL 13 ROADWAY 80% FED 20% STATE	EMERALD/SYCAMORE 80% FED 20% CITY	BRIDGE SN (039-0071) 80% FED 20% STATE	TRAFFIC SIGNALS EMERALD/SYCAMORE 80% FED 10% STATE 10% CITY	TRAFFIC SIGNALS GLENVIEW 80% FED 13.33% STATE 6.66% CITY	LIGHTING EMERALD/SYCAMORE 80% FED 20% CITY	LIGHTING GLENVIEW 80% FED 20% CITY	LIGHTING EMERALD/SYCAMORE 80% FED 20% CITY	LIGHTING GLENVIEW 80% FED 20% CITY	SIDEWALK 100% STATE UP TO \$150,000 REMAINDER 100% CITY				
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	1035					728		307							
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	128					128									
81012900	CONDUIT IN TRENCH 3 1/2" DIA. PVC	FOOT	10					10									
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	39					39									
81021560	CONDUIT, AUGERED 2 1/2" DIA., PVC	FOOT	81					76		5							
81021580	CONDUIT, AUGERED 3 1/2" DIA., PVC	FOOT	67					67									
81021590	CONDUIT, AUGERED 4" DIA., PVC	FOOT	133					133									
81400100	HANDHOLE	EACH	4					4									
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1212					905		307							
81700315	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO. 10	FOOT	552									507		45			
82103900	LUMINAIRE, SODIUM VAPOR, MULTI-MOUNT, 250 WATT	EACH	4									4					
82500605	LIGHTING CONTROLLER PHOTOCELL RELAY	EACH	1									1					
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1							1							
86200200	UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1														
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	964					964									
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	519					399		120							
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1283					1283									
87301265	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C	FOOT	381					381									
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	4014					3798		216							
87700320	STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	2					2									
87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1														
87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	2					1		1							
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6					3		3							
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3					3									
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	67					54		13							
87900200	DRILL EXISTING HANDHOLE	EACH	6							6							
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	13							3							
88500100	INDUCTIVE LOOP DETECTOR	EACH	11					10		2							
88500200	INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT	EACH	6					9		2							
88600100	DETECTOR LOOP, TYPE I	FOOT	2565					4		2							
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4					1732		833							
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	2														
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1							2							
89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	1							1							
89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1							1							
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	571							571							
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2					1		1							
A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2			2											
A2006517	TREE, QUERCUS ACUTISSIMA (SAWTOOTH OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2			2											
A2006518	TREE, ULMUS PARVIFOLIA (LACEBARK ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	3			3											
X0300737	RADIO TRANSCEIVER	EACH	2							1							
X2500930	SEEDING, CLASS 1B (MODIFIED)	ACRE	5			4.3		0.7									
X0321430	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC), SPECIAL	SQ YD	356			356											
X0322537	REMOVE AND RELAY BOX CULVERT END SECTION, CULVERT 1	EACH	1			1											
X0323580	REMOVE AND RELAY BOX CULVERT END SECTION, CULVERT 2	EACH	1			1											
X0322729	MATERIAL TRANSFER DEVICE	TON	2772			2668		104									
X0323336	LED SIGNAL FACE RETROFIT, RED BALL	EACH	8							8							
X0323337	LED SIGNAL FACE RETROFIT, GREEN BALL	EACH	8							8							
X0323418	LED SIGNAL FACE RETROFIT, YELLOW BALL	EACH	8							8							
X0323419	LED SIGNAL FACE RETROFIT, YELLOW ARROW	EACH	3							3							
X0323420	LED SIGNAL FACE RETROFIT, GREEN ARROW	EACH	3							3							
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	965					965									
X0324890	MTBE SOIL ANALYSIS	EACH	2			2											
X3560140	BITUMINOUS CONCRETE BASE COURSE WIDENING, SUPERPAVE 10 INCH	SQ YD	1349					1349									
X4066540	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "E", N105	TON	2772			2668		104									
X4066660	POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, N105, IL-19.0	TON	4659			4225		434									
X4066920	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, N105	TON	390			390											
X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	14			14											
X7050169	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (FLARED)	EACH	2					2									
X8440102	RELOCATE EXISTING LUMINAIRE	EACH	2							2							
X8801300	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2							1							
X8801310	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	13					10		3							
X8801415	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1					1									
X8801430	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-5 SECTION BRACKET MOUNTED(SPEC)	EACH	2					2									
X8810610	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2					2									
X8810620	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	1					1									
X0325294	PREFORMED JOINT STRIP SEAL	FOOT	78					78									
Z0002600	BAR SPLICERS	EACH	799					799									
Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	EACH	2					2									
Z0030340	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2	EACH	2					2									
Z0017202	DOWEL BARS, 1 1/2"	EACH	52			52											
Z0042200	PORTLAND CEMENT CONCRETE PAVEMENT SURFACE REMOVAL	SQ YD	206					206									
X0325297	RELOCATE EXISTING PRECAST BOX CULVERT SECTION, 6' X 4'	EACH	1			1											
X0325298	REMOVE EXISTING PRECAST BOX CULVERT END SECTION, 6' X 4'	EACH	1			1											
X0325299	INLET MODIFICATION	EACH	6			6											
X0325253	STONE RIP-RAP, CLASS A3 (SPECIAL)	SQ YD	4719			4596		123									
B6600010	GULFBOX JUNCTION	EACH	8							5							
20076400	TRAINEES	HOUR	1000			1000											
87502310	TRAFFIC SIGNAL POST, PAINTED STEEL, 16 FT.	EACH	1							1							

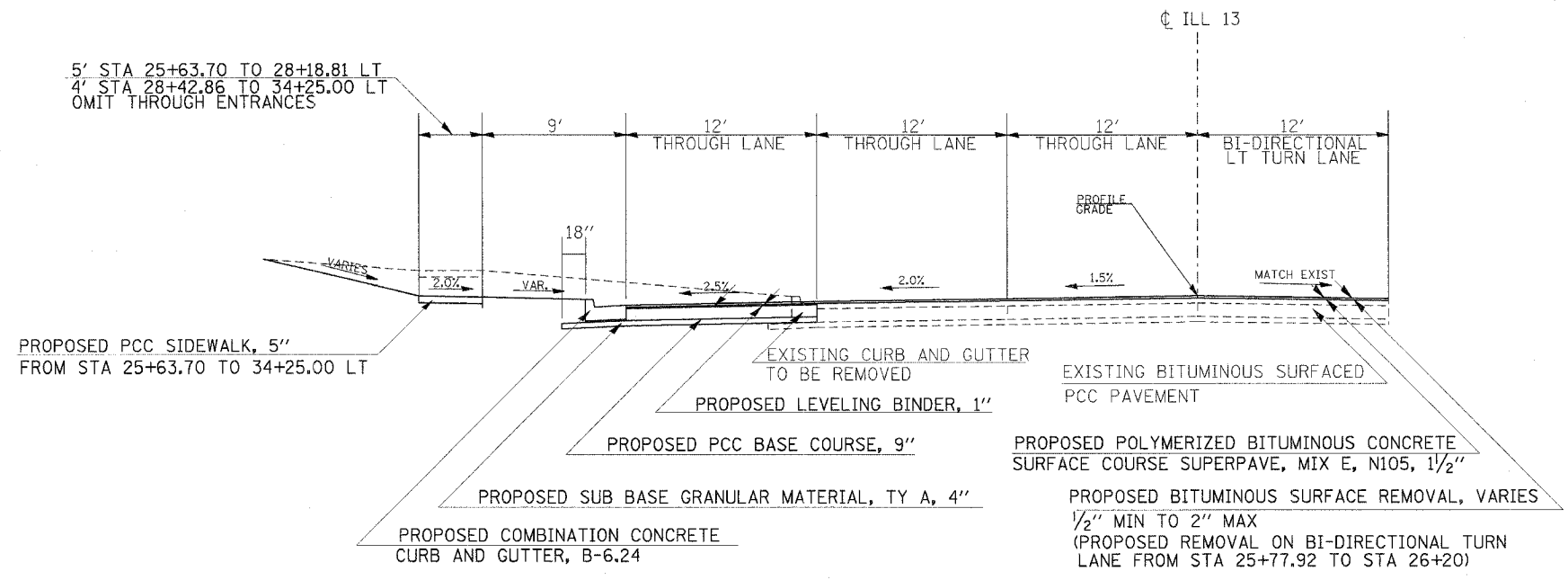
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*SPECIALTY ITEMS
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SUMMARY OF QUANTITIES

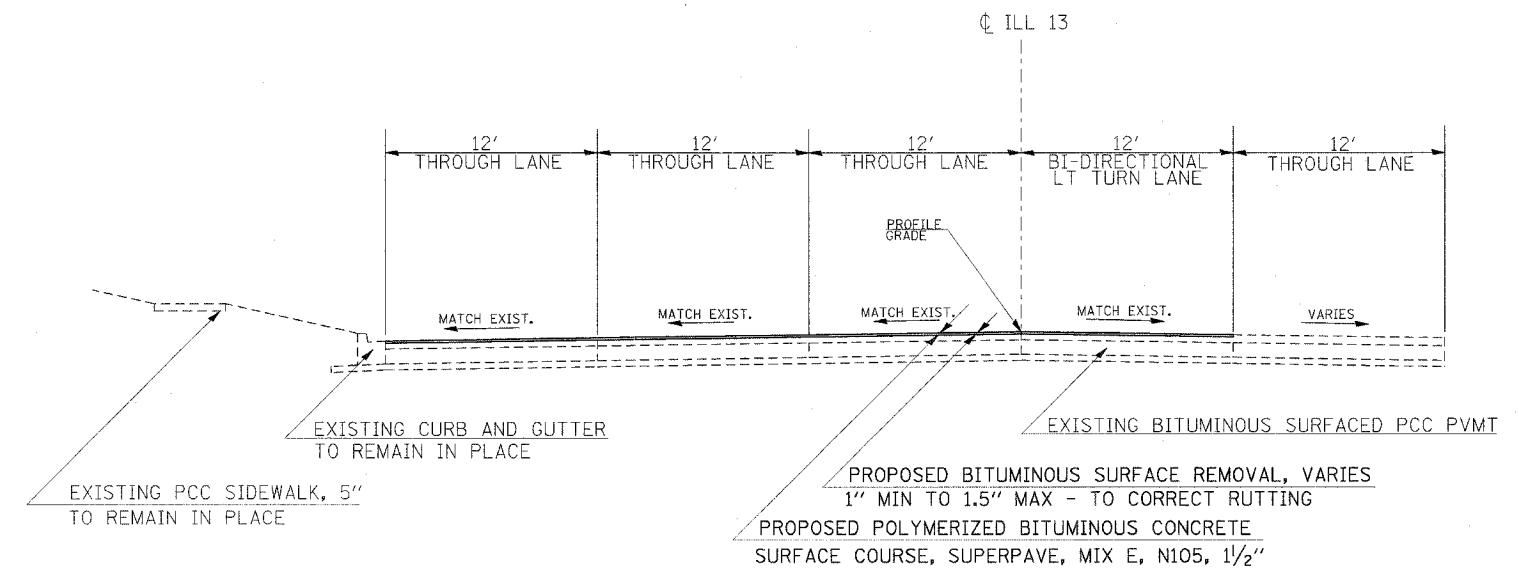
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F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	250	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (12-1)2N,I-5,TS-3,B-1				

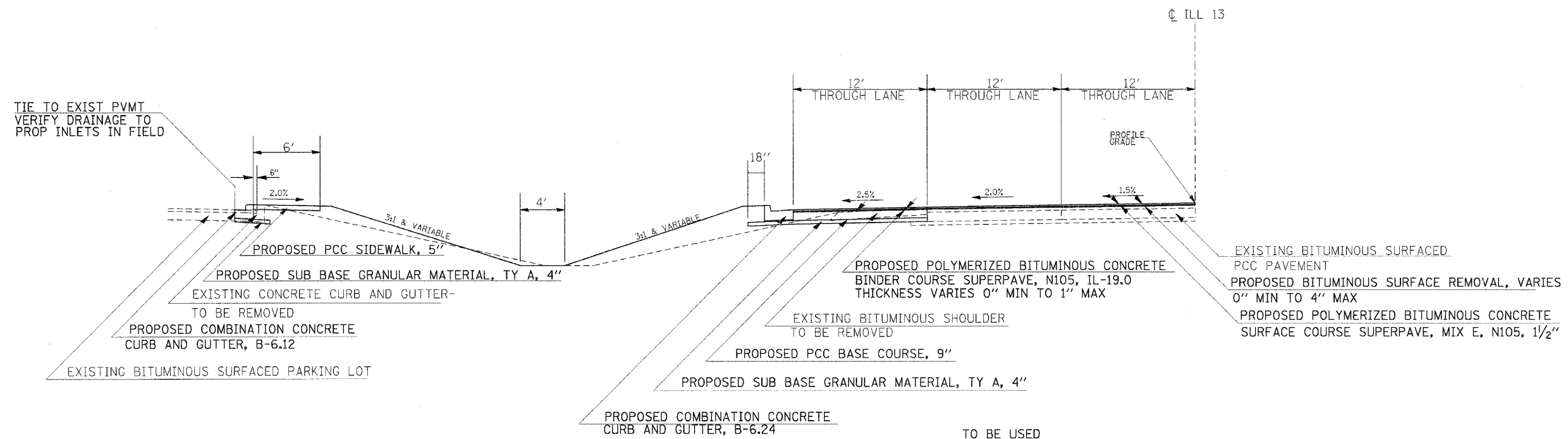


TO BE USED
EASTBOUND ILLINOIS 13
STA 25+77.92 TO 37+32.04 LT

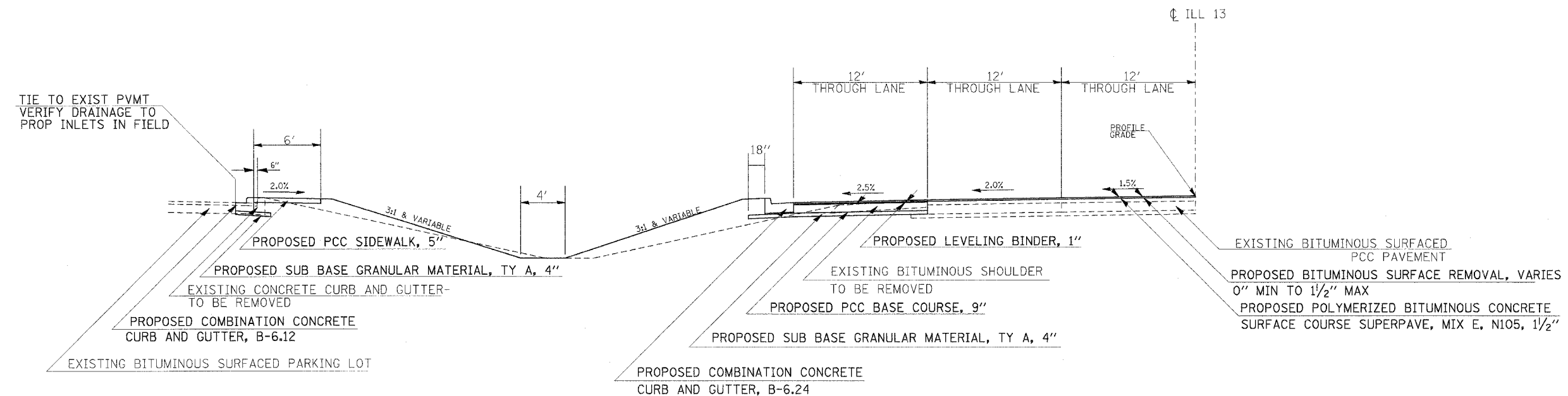


TO BE USED
EASTBOUND ILLINOIS 13
STA 22+79.00 TO 24+69.52 LT

F.A.R. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	8
STA.	TO STA.			
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		
* (12-1)2N,I-5,TS-3,B-1				

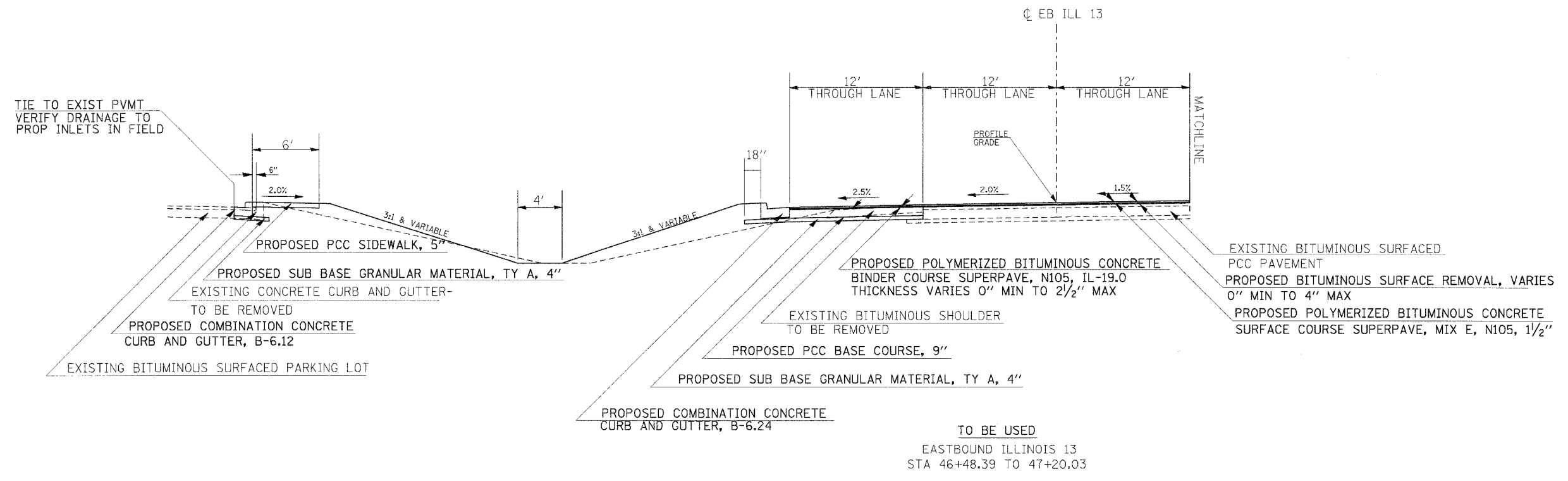
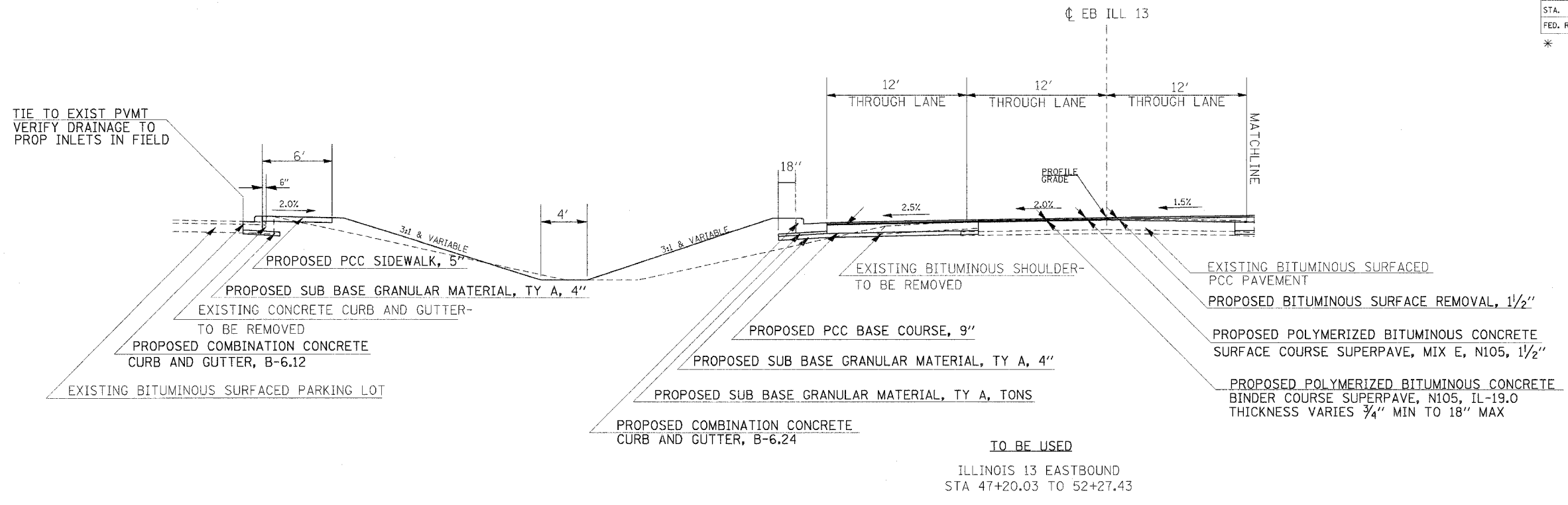


TO BE USED
EASTBOUND ILLINOIS 13
STA 45+50.00 TO 46+43.22 LT
NOTE: STA 46+43.22 BK = STA 46+48.39 AH, 12.66' LT



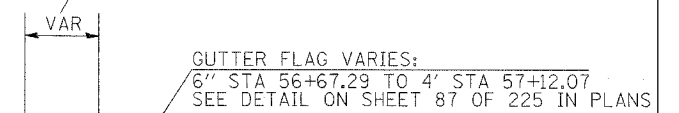
TO BE USED
EASTBOUND ILLINOIS 13
STA 38+71.88 TO 45+50.00 LT

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	9
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,1-5,TS-3,B-1				

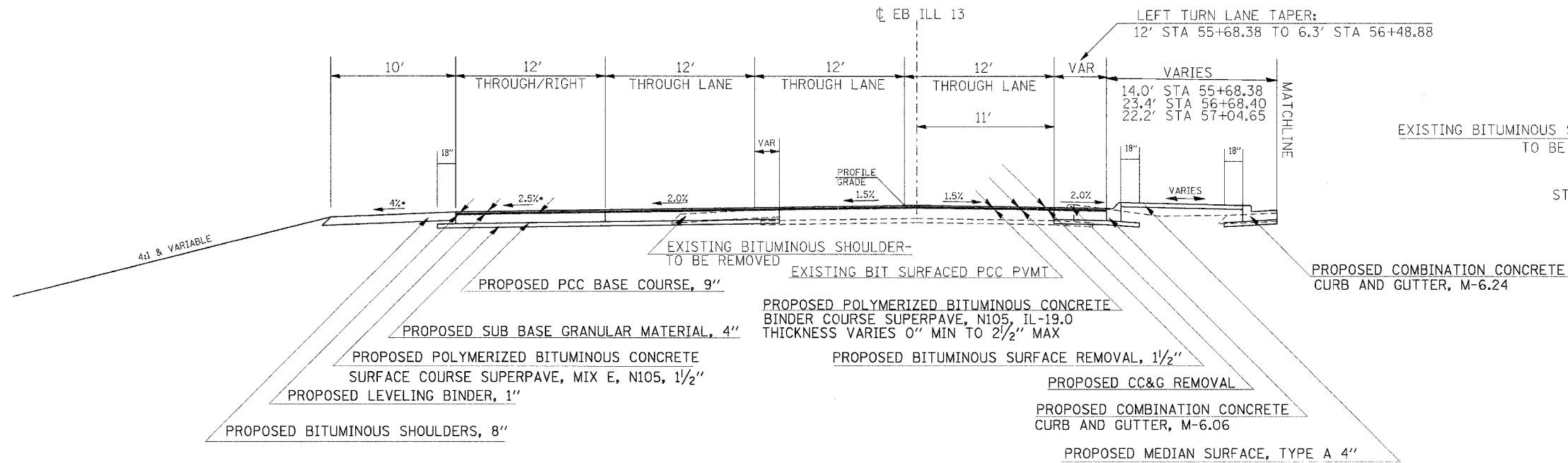


F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (12-112N,I-5,TS-3,B-1)				

LEFT TURN LANE TAPER:
6.3' STA 56+48.88 TO 3.0' STA 56+57+03.01



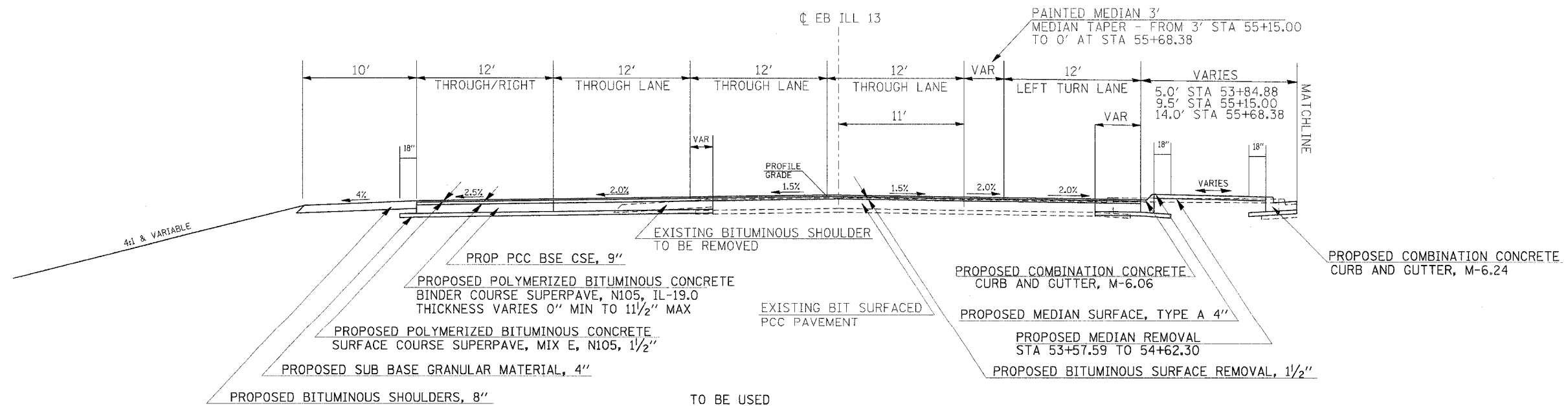
EXISTING BITUMINOUS SHOULDER TO BE REMOVED
PROPOSED COMBINATION CONCRETE CURB AND GUTTER, M-6.06
TO BE USED
STA 56+48.88 TO 57+04.65



TO BE USED

EASTBOUND ILLINOIS 13
STA 55+68.38 TO 57+04.65

* TRANSITION CROSS-SLOPE 0.5%/50' OR GREATER TO MATCH PCC CONNECTOR
BIT CONC BSE CSE WIDENING NOT SHOWN. REFER TO BRIDGE TRAFFIC CONTROL DETAILS

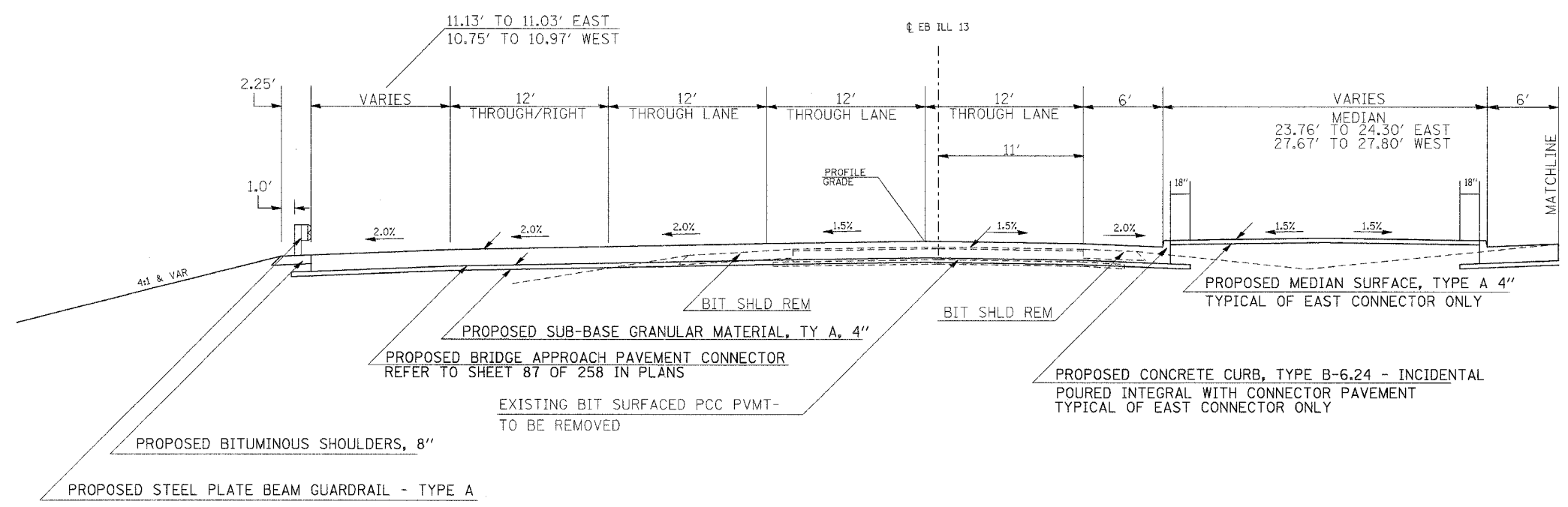


TO BE USED

ILLINOIS 13 EASTBOUND
STA 53+77.57 TO 55+68.38

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	11
STA.		TO STA.		
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

* (12-1)2N, I-5, TS-3, B-1

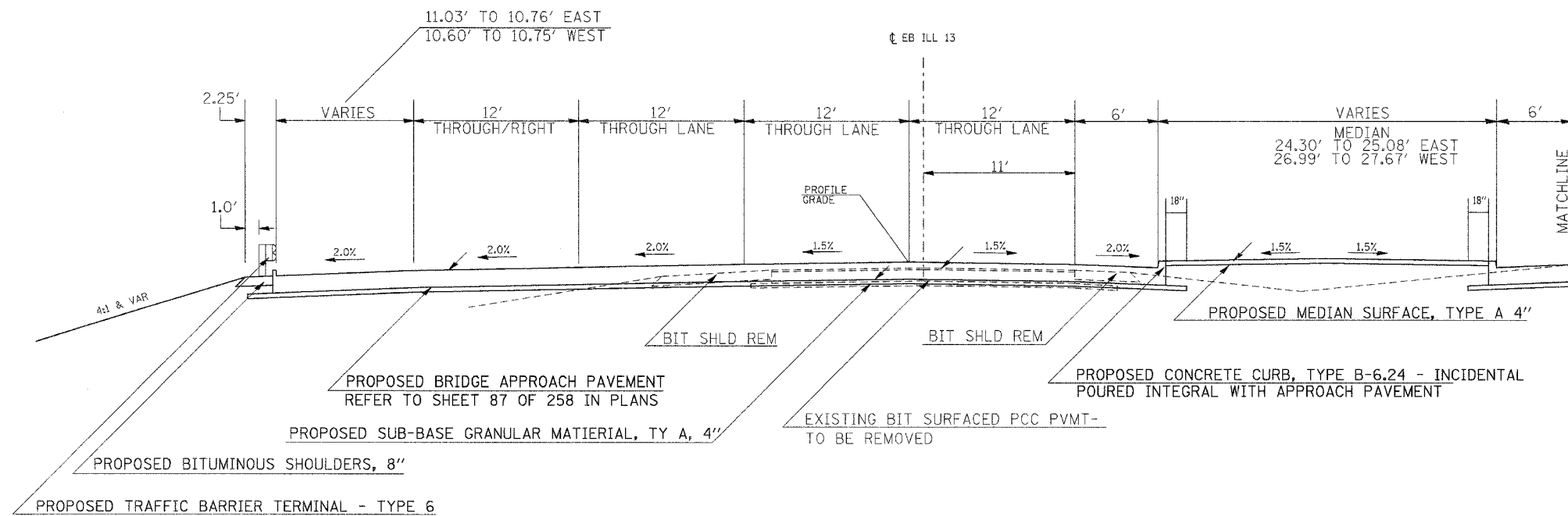


TO BE USED
 BRIDGE APPROACH PAVEMENT CONNECTOR (PCC) SPECIAL - LOOKING WEST

EASTBOUND ILLINOIS 13
 STA 57+04.65 TO 57+22.67 (EAST)
 STA 58+60.67 TO 58+71.45 (WEST)

BIT CONC BSE CSE WIDENING NOT SHOWN. REFER TO BRIDGE TRAFFIC CONTROL DETAILS

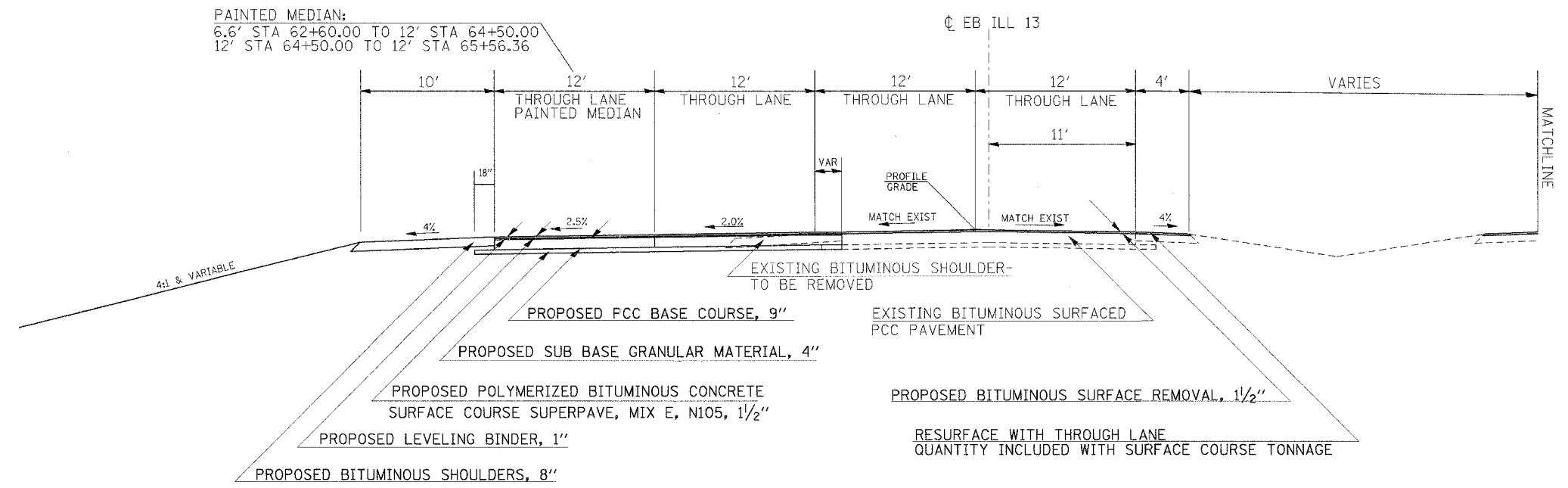
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	225	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,I-5,TS-3,B-1				



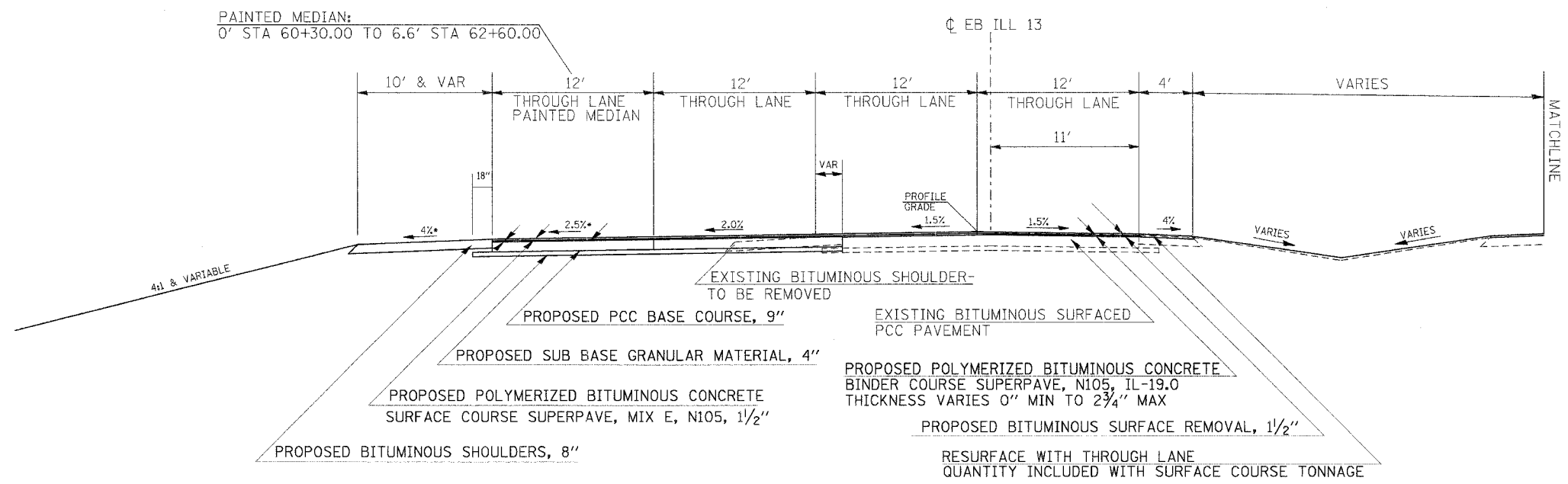
TO BE USED
BRIDGE APPROACH PAVEMENT (SPECIAL) - LOOKING WEST
EASTBOUND ILLINOIS 13
STA 57+22.67 TO 57+52.67 (EAST)
STA 58+30.67 TO 58+60.67 (WEST)

BIT CONC BSE CSE WIDENING NOT SHOWN. REFER TO BRIDGE TRAFFIC CONTROL DETAILS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	13
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (12-112N,I-5,TS-3,B-1)				



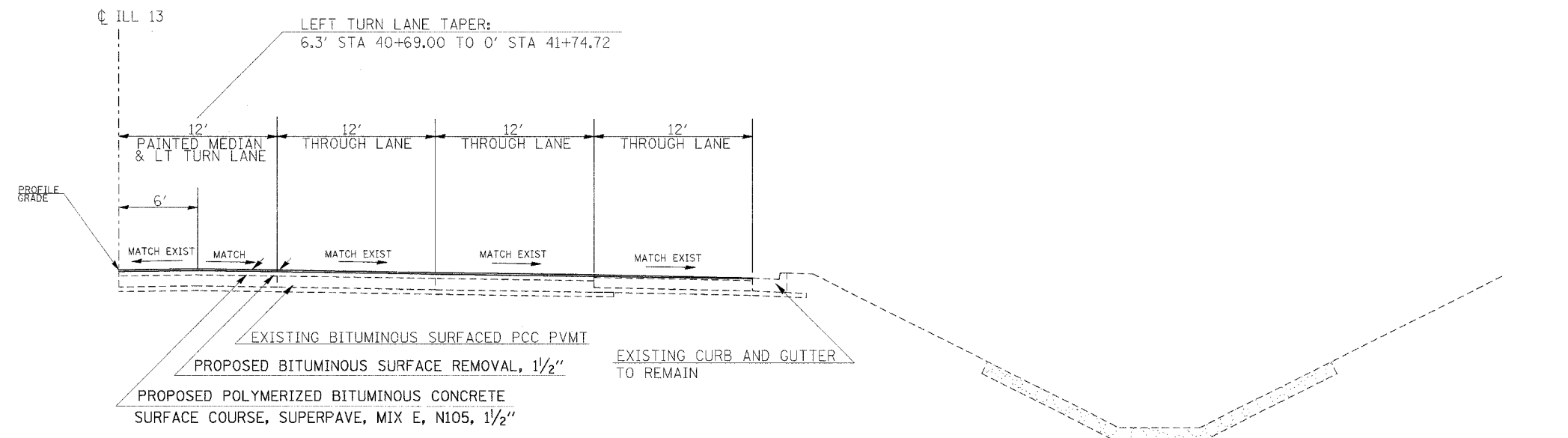
TYPICAL SECTION
ILLINOIS 13 EASTBOUND
62+60.00 TO 65+56.28



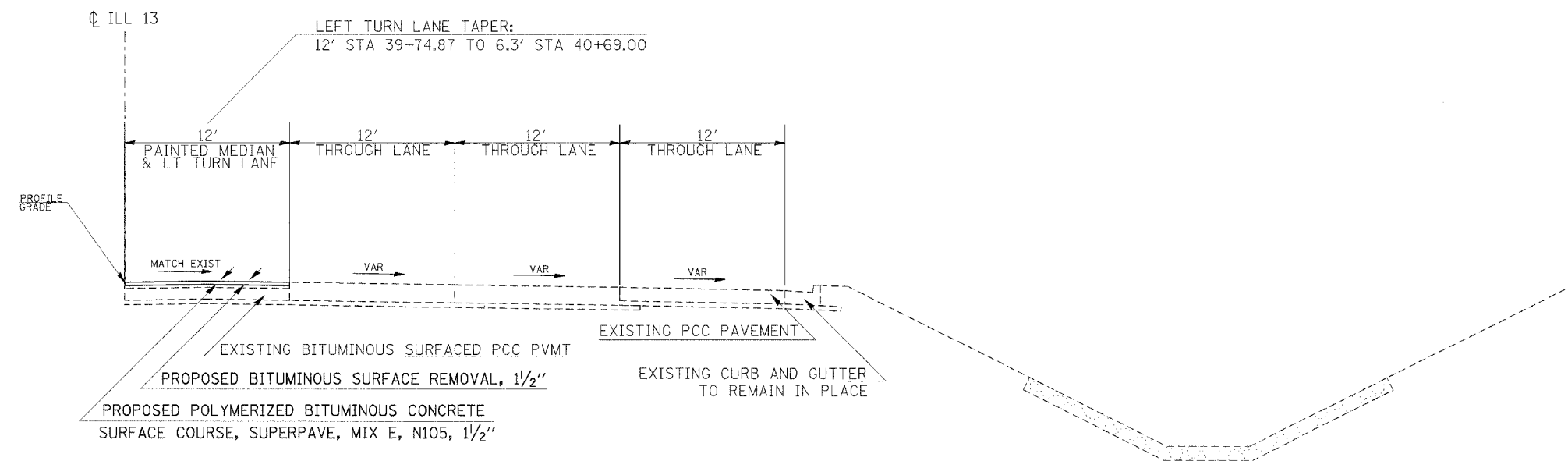
TYPICAL SECTION
ILLINOIS 13 EASTBOUND
STA 58+71.41 TO 62+60.00

* TRANSITION CROSS-SLOPE 0.5%/50' OR GREATER TO MATCH PCC CONNECTOR
BIT CONC BSE CSE WIDENING NOT SHOWN. REFER TO BRIDGE TRAFFIC CONTROL DETAILS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	14
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (12-1)2N,I-5,TS-3,B-1				

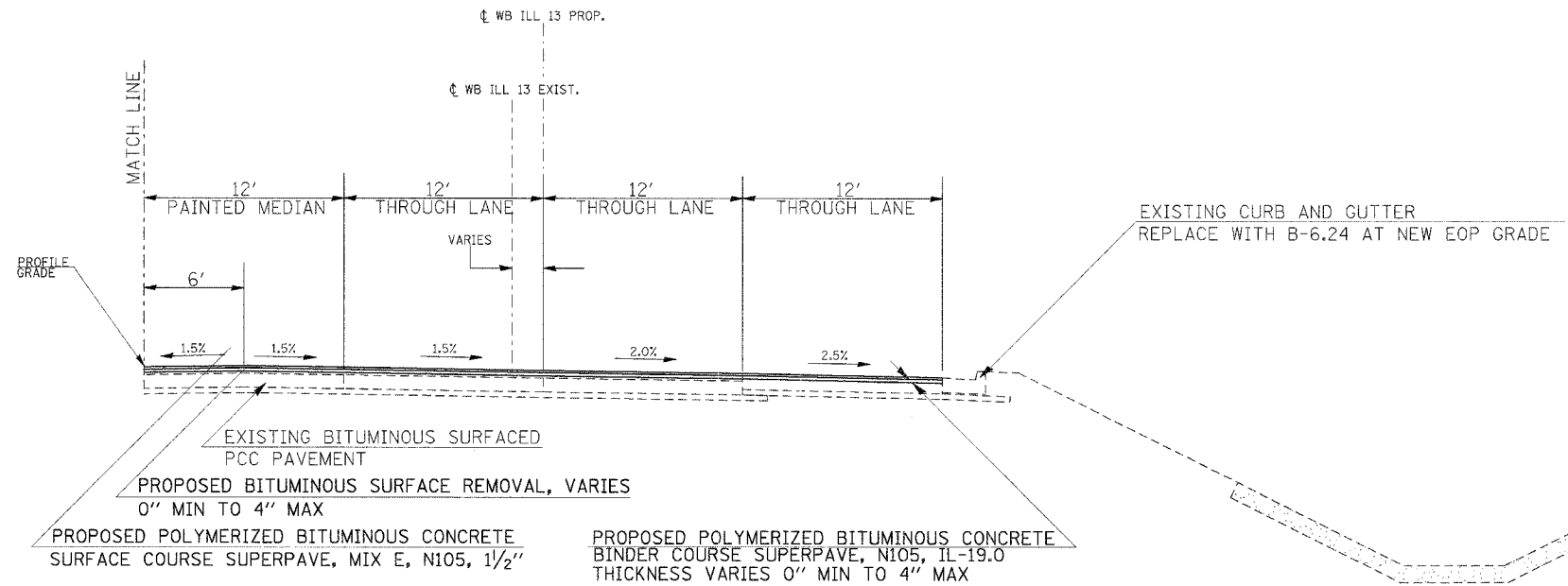


TO BE USED
WESTBOUND ILLINOIS 13
STA 40+69.00 TO 45+50.00 RT

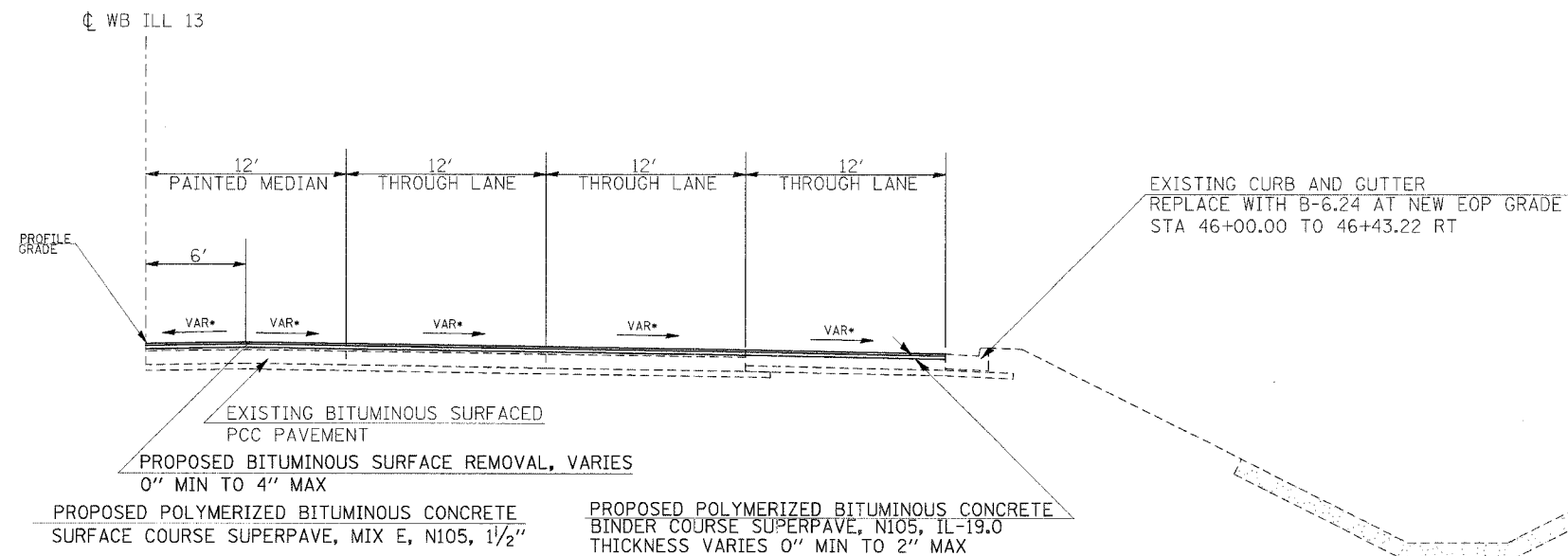


TO BE USED
WESTBOUND ILLINOIS 13
STA 39+74.87 TO 40+69.00 RT

F.A.R. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	15
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (12-1)2N,1-5,TS-3,B-1				



TO BE USED
 WESTBOUND ILLINOIS 13
 STA 0+00.00 TO 0+71.59



TO BE USED
 WESTBOUND ILLINOIS 13
 STA 45+50.00 TO 46+43.22 RT

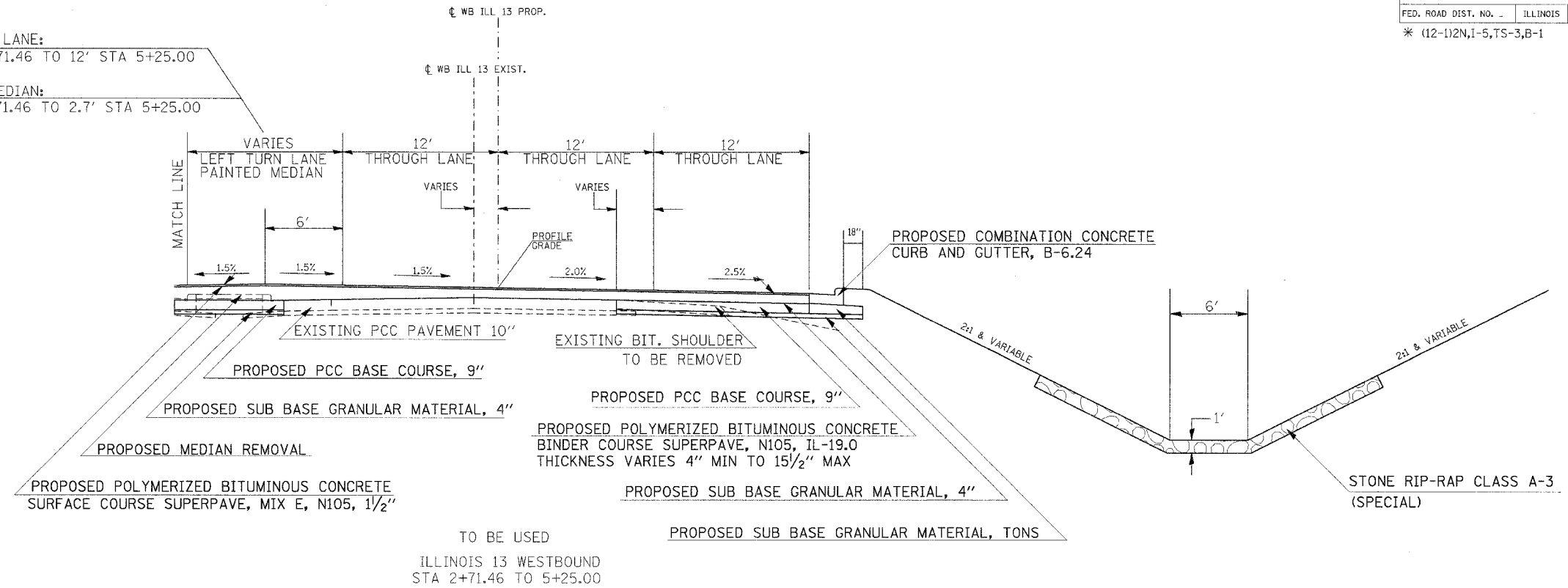
NOTE: STA 46+43.22 BK = STA 0+00 AH, 24.00' LT

* TRANSITION AREA - REFER TO CROSS SECTIONS FOR CROSS SLOPES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	16
STA. TO STA.		ILLINOIS		
FED. ROAD DIST. NO. -		ILLINOIS		
		FED. AID PROJECT		
* (12-1)2N,1-5,TS-3,B-1				

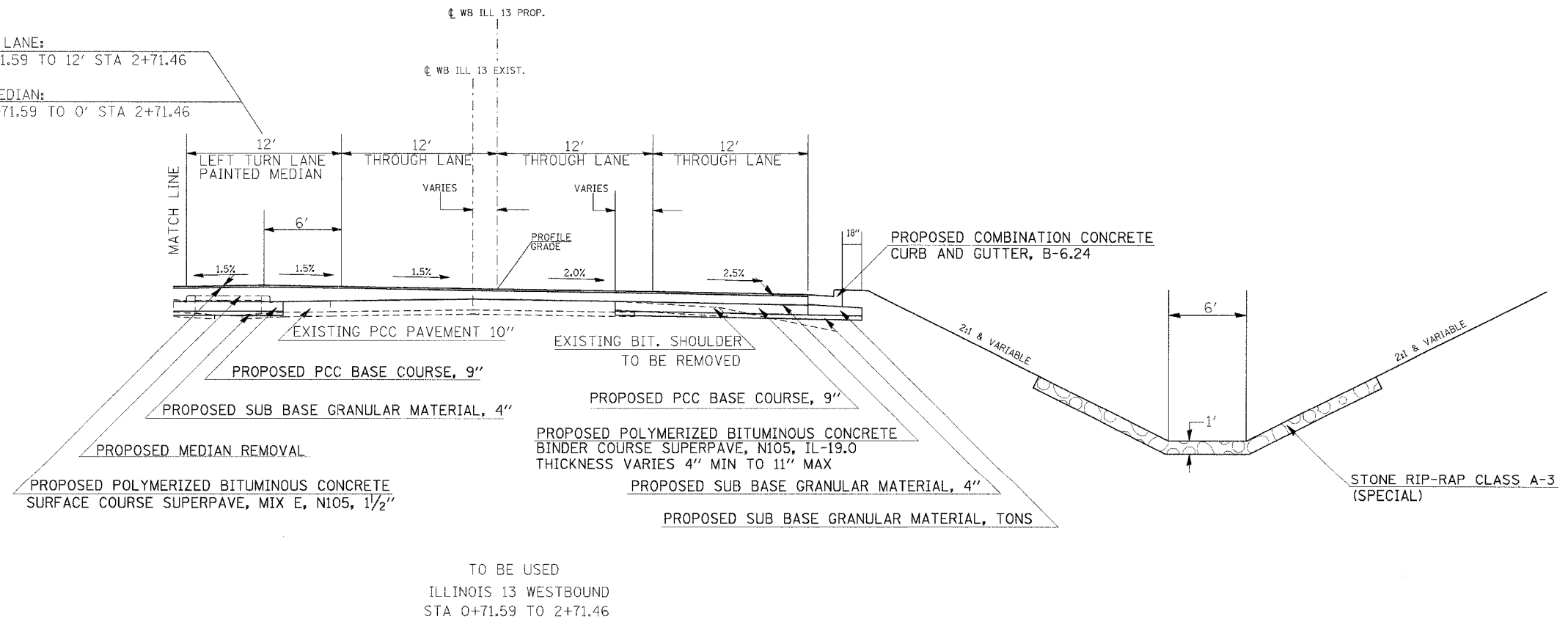
LEFT TURN LANE:
12' STA 2+71.46 TO 12' STA 5+25.00

PAINTED MEDIAN:
0' STA 2+71.46 TO 2.7' STA 5+25.00

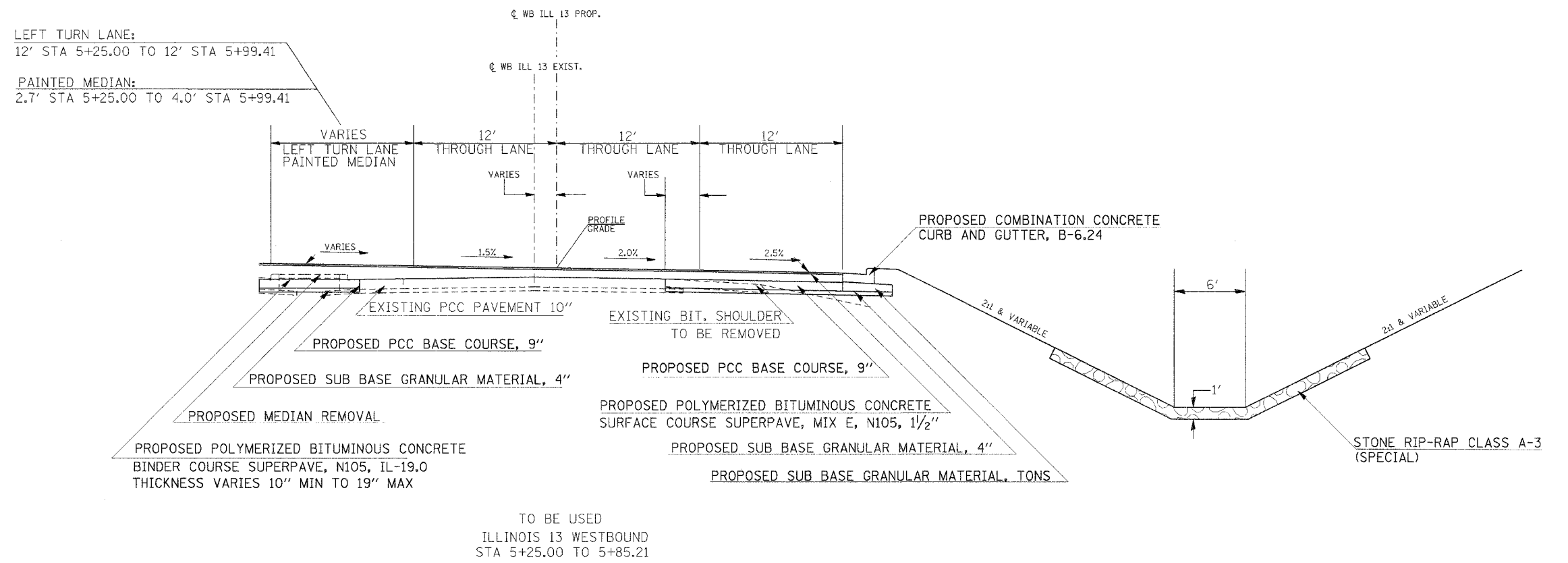


LEFT TURN LANE:
0' STA 0+71.59 TO 12' STA 2+71.46

PAINTED MEDIAN:
12' STA 0+71.59 TO 0' STA 2+71.46

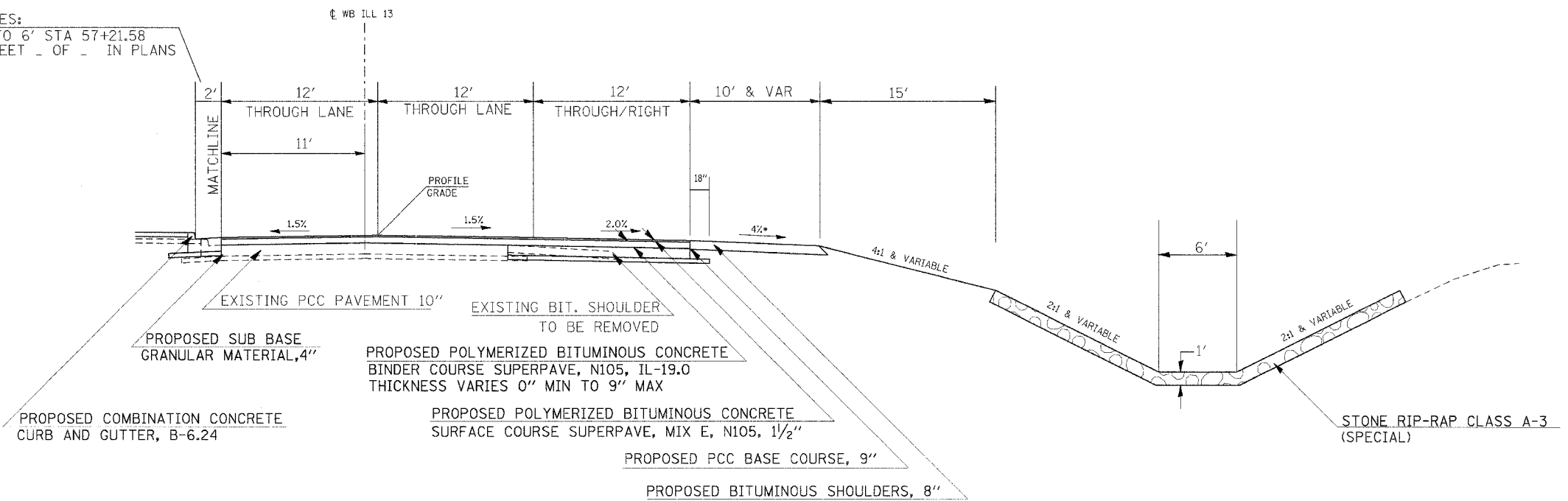


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	17
STA.	TO STA.			
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		
* (12-1)2N,1-5,TS-3,B-1				



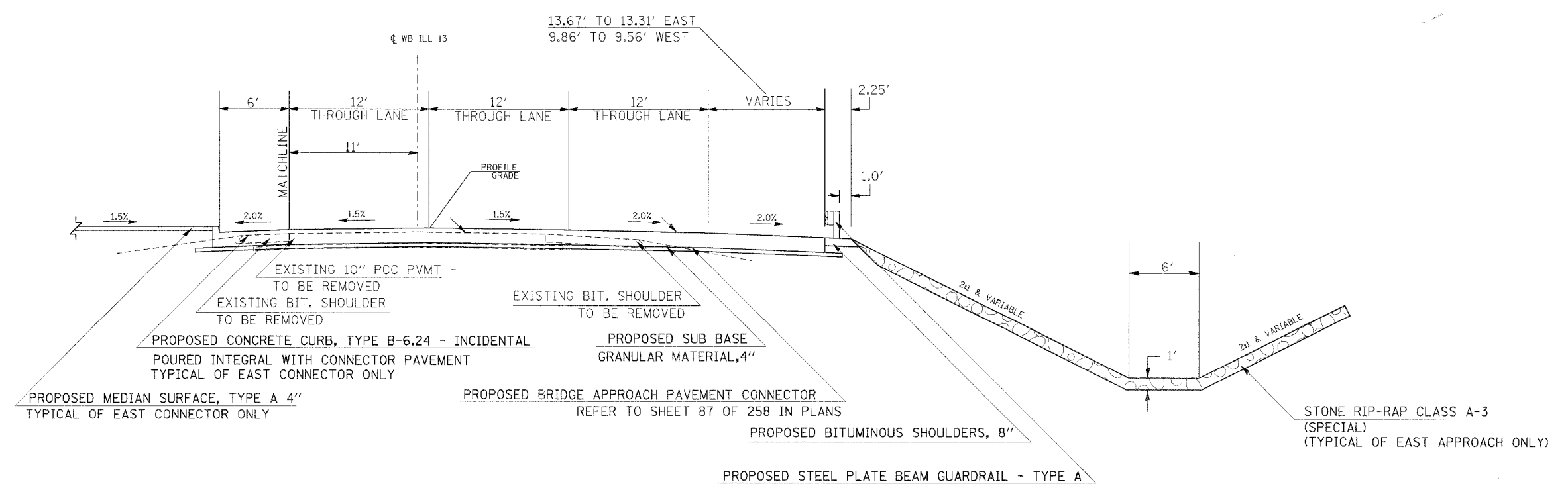
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	18
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,I-5,TS-3,B-1				

GUTTER FLAG VARIES:
 2' STA 56+76.74 TO 6' STA 57+21.58
 SEE DETAIL ON SHEET _ OF _ IN PLANS



TO BE USED
 ILLINOIS 13 WESTBOUND
 STA 53+75.08 TO 57+21.58
 * TRANSITION CROSS-SLOPE 0.5%/50' OR GREATER TO MATCH PCC CONNECTOR
 BIT CONC BSE CSE WIDENING NOT SHOWN. REFER TO BRIDGE TRAFFIC CONTROL DETAILS

F.A.R. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	19
STA.	TO STA.			
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		
* (12-1)2N,I-5,TS-3,B-1				



EXISTING 10" PCC PVMT - TO BE REMOVED
 EXISTING BIT. SHOULDER TO BE REMOVED
 EXISTING BIT. SHOULDER TO BE REMOVED

PROPOSED CONCRETE CURB, TYPE B-6.24 - INCIDENTAL
 POURED INTEGRAL WITH CONNECTOR PAVEMENT
 TYPICAL OF EAST CONNECTOR ONLY

PROPOSED SUB BASE GRANULAR MATERIAL, 4"

PROPOSED BITUMINOUS SHOULDERS, 8"

PROPOSED BRIDGE APPROACH PAVEMENT CONNECTOR
 REFER TO SHEET 87 OF 258 IN PLANS

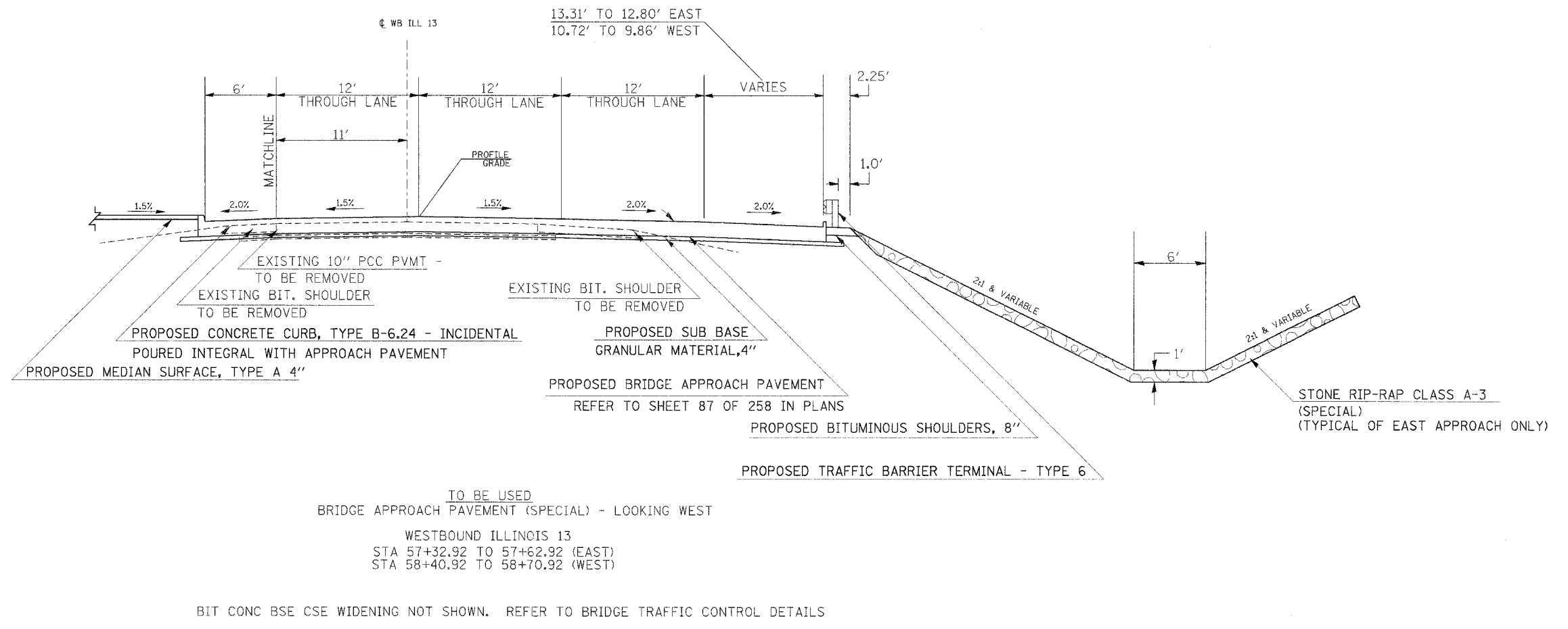
PROPOSED STEEL PLATE BEAM GUARDRAIL - TYPE A

STONE RIP-RAP CLASS A-3 (SPECIAL)
 (TYPICAL OF EAST APPROACH ONLY)

TO BE USED
 BRIDGE APPROACH PAVEMENT CONNECTOR (PCC) SPECIAL - LOOKING WEST
 WESTBOUND ILLINOIS 13
 STA 57+21.58 TO 57+32.92 (EAST)
 STA 58+70.92 TO 58+87.40 (WEST)

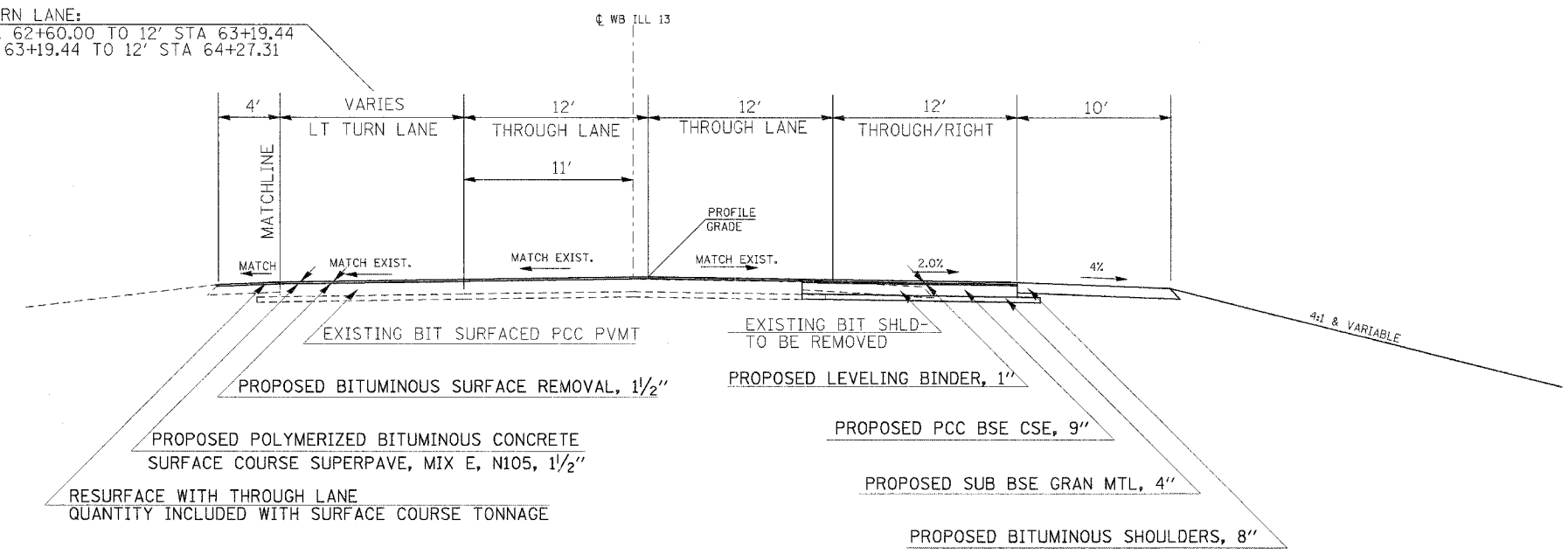
BIT CONC BSE CSE WIDENING NOT SHOWN. REFER TO BRIDGE TRAFFIC CONTROL DETAILS

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	20
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-112N,I-5,TS-3,B-1)				



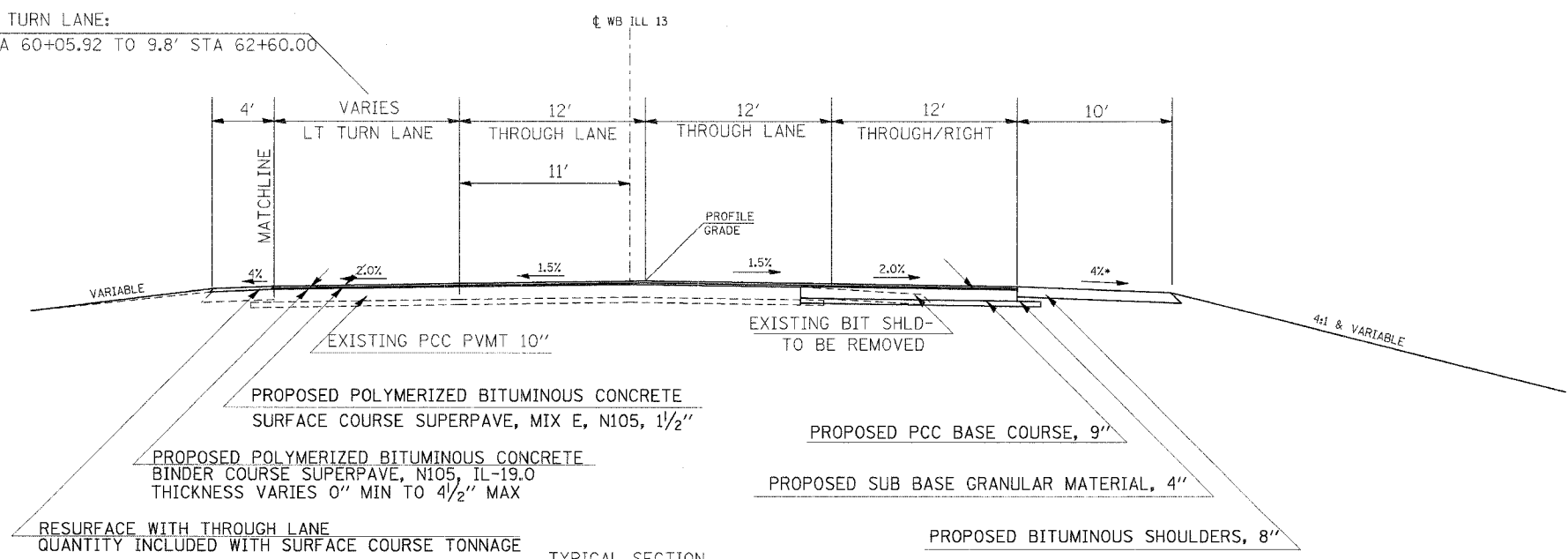
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	21
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,1-5,TS-3,B-1				

LEFT TURN LANE:
 9.8' STA 62+60.00 TO 12' STA 63+19.44
 12' STA 63+19.44 TO 12' STA 64+27.31



TYPICAL SECTION
 ILLINOIS 13 WESTBOUND
 STA 62+60.00 TO 64+27.31

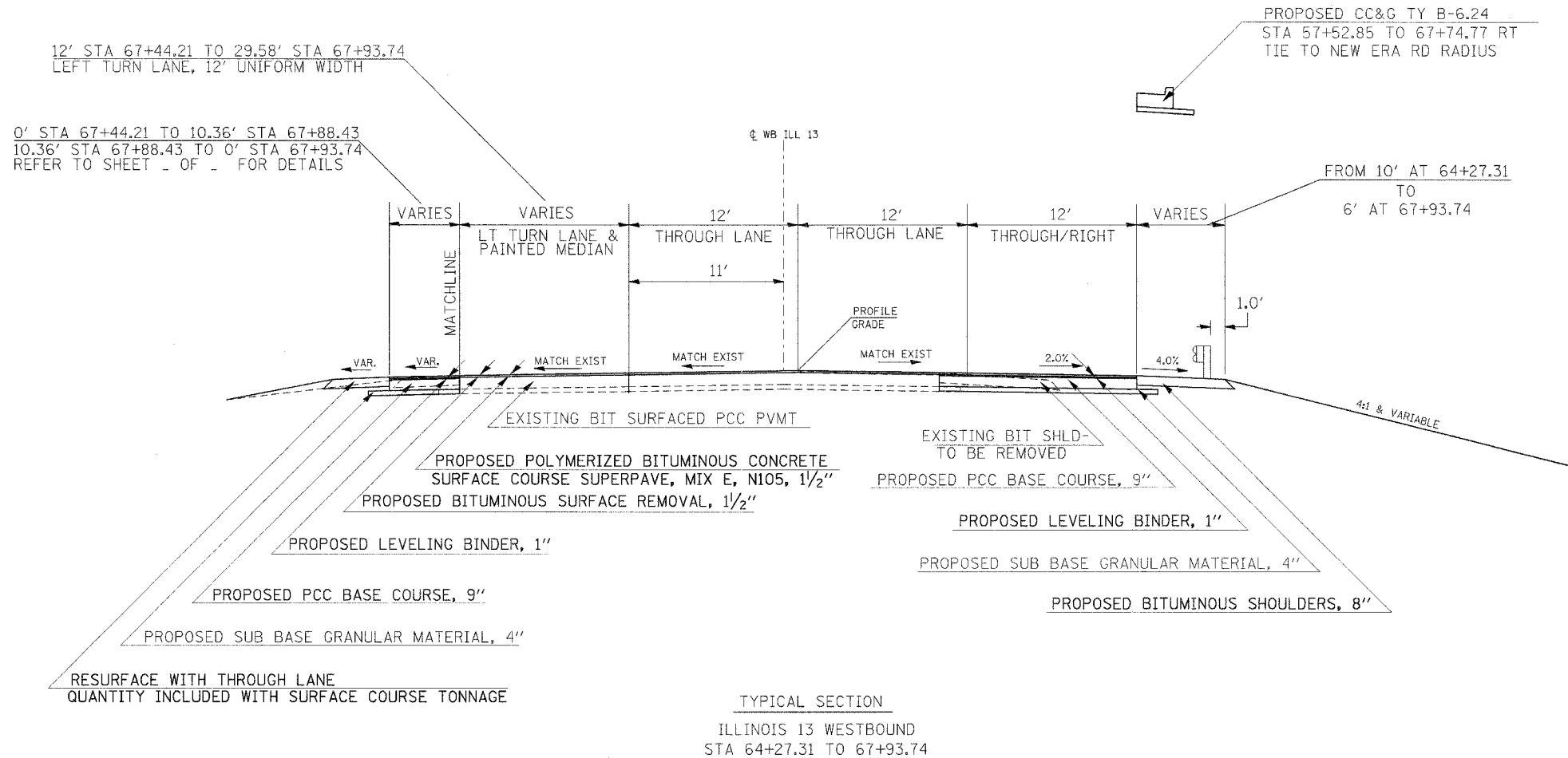
LEFT TURN LANE:
 0' STA 60+05.92 TO 9.8' STA 62+60.00



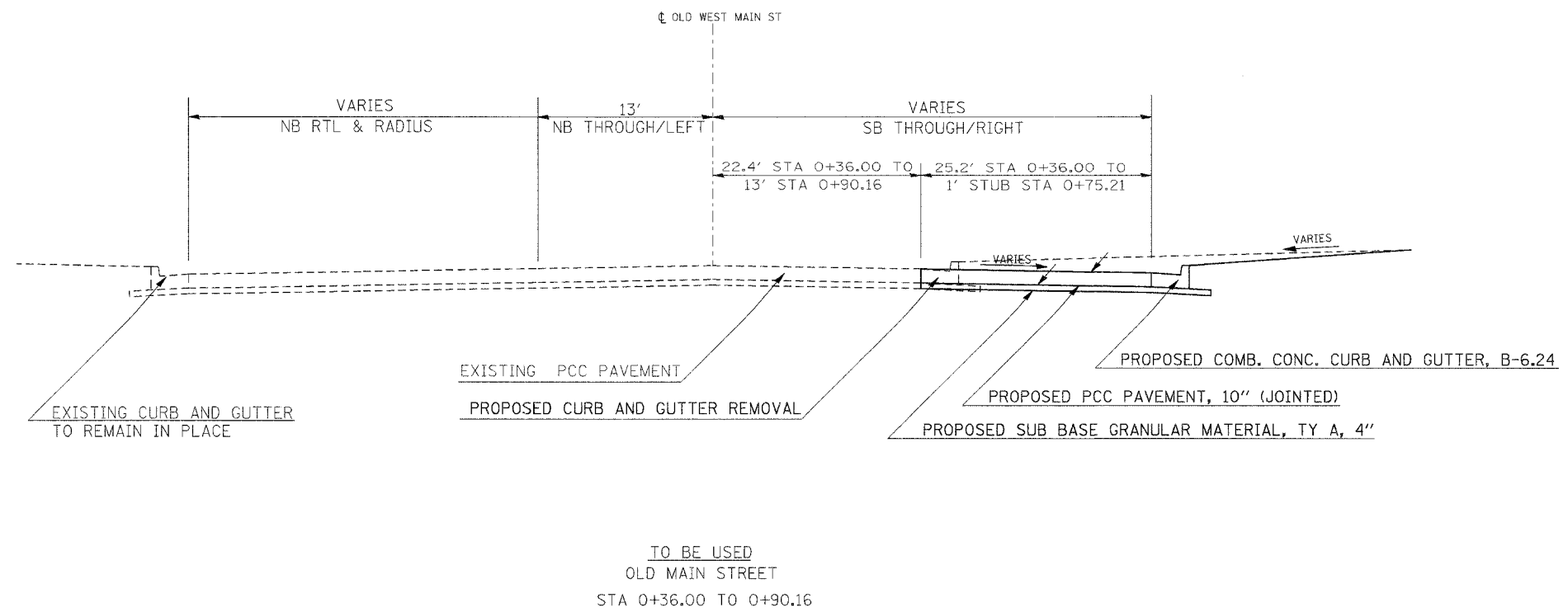
TYPICAL SECTION
 ILLINOIS 13 WESTBOUND
 58+78.64 TO 62+60.00

* TRANSITION CROSS-SLOPE 0.5%/50' OR GREATER TO MATCH PCC CONNECTOR
 BIT CONC BSE CSE WIDENING NOT SHOWN. REFER TO BRIDGE TRAFFIC CONTROL DETAILS

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	22
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (12-112N,1-5,TS-3,B-1				



F.A.R. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	23
STA.	TO STA.			
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		
* (12-1)2N,I-5,TS-3,B-1				

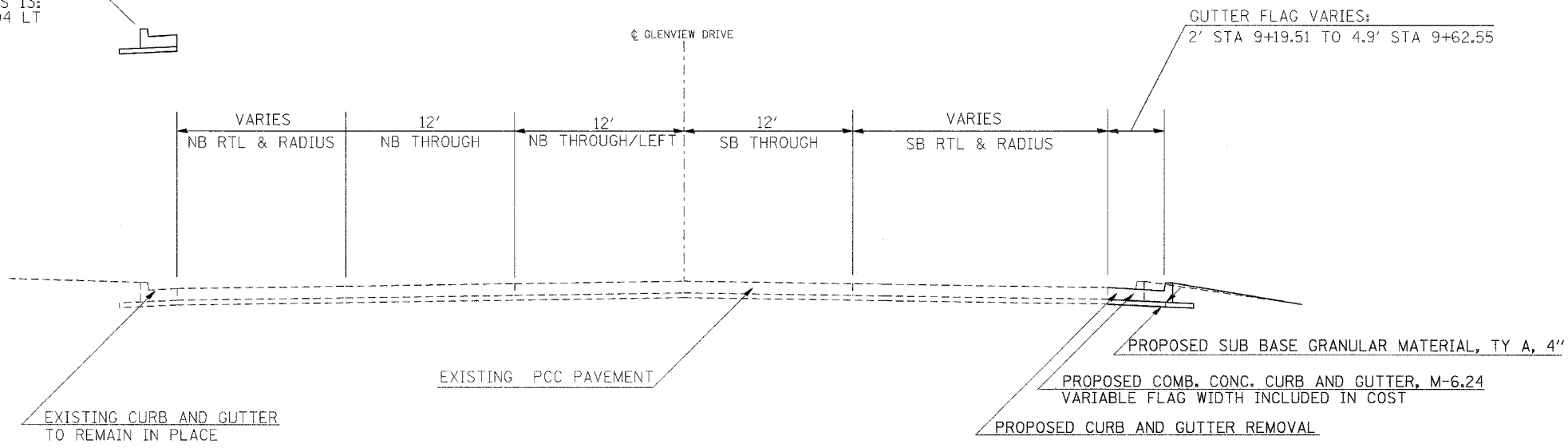


F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	24
STA.	TO STA.			
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		

* (12-1)2N,1-5,TS-3,B-1

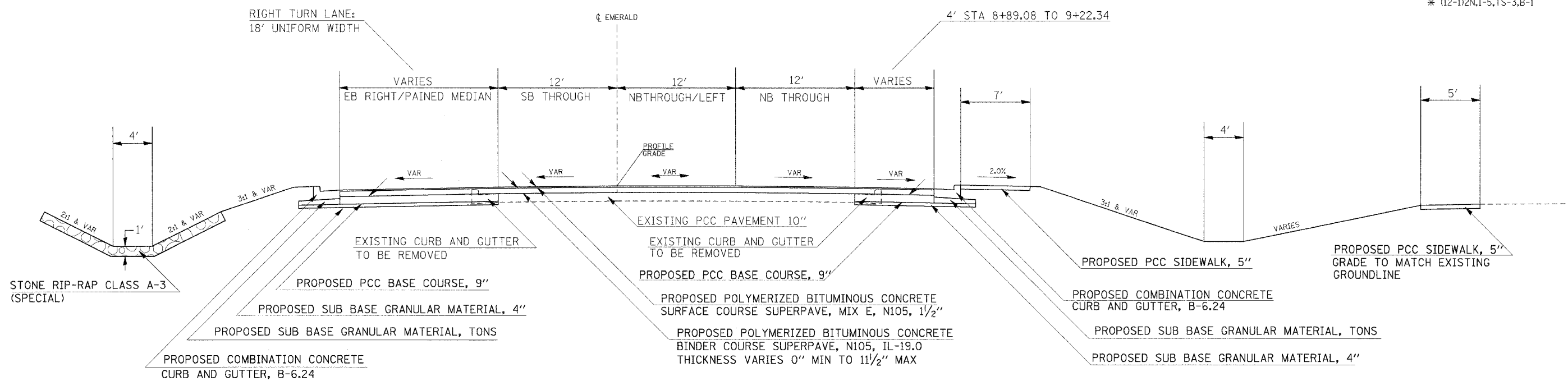
COMB. CONC. CURB AND GUTTER, B-6.24
CURB AND GUTTER REMOVAL

TIE 20' RADIUS INTO ILLINOIS 13;
STA 37+32.04 LT TO 37+44.04 LT

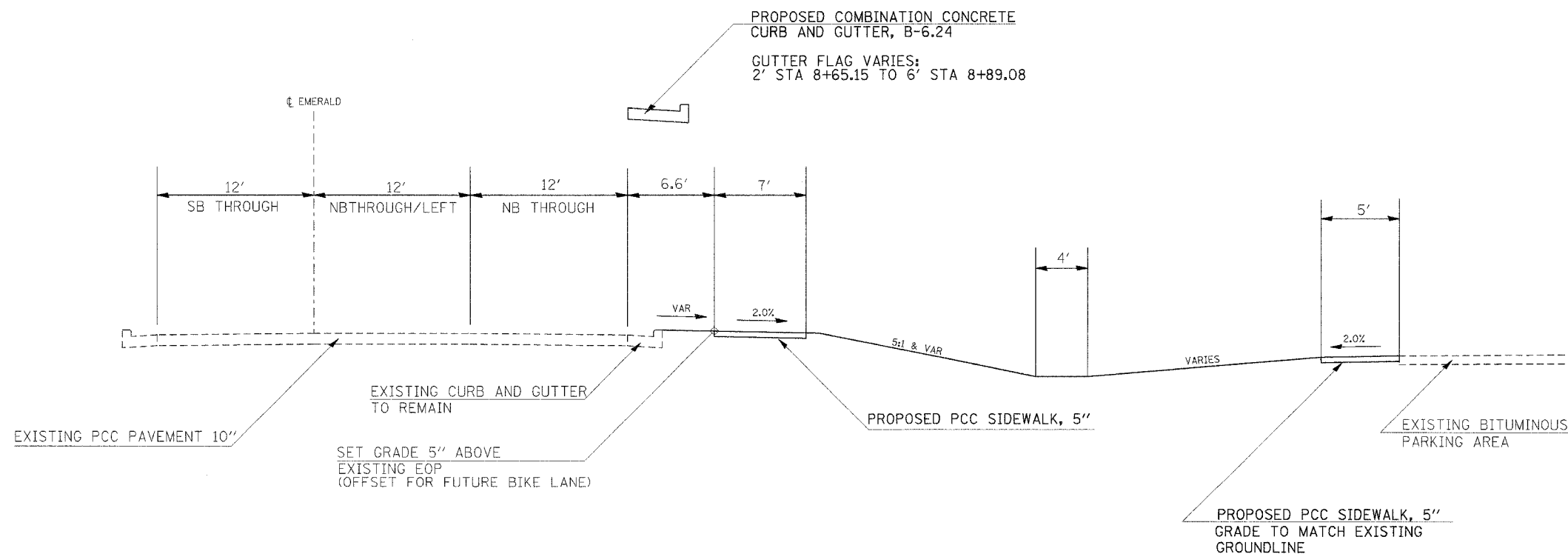


TO BE USED
GLENVIEW DRIVE
STA 9+19.51 TO 9+62.55

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	25
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (12-1)2N,I-5,TS-3,B-1				

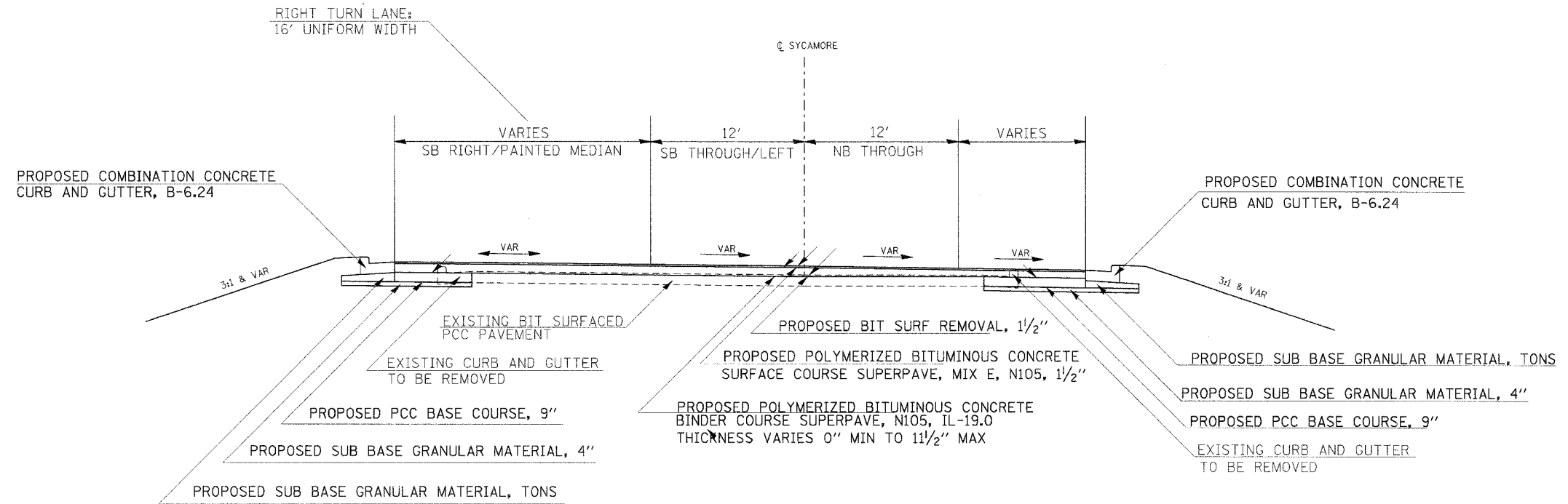


TO BE USED
EMERALD LANE
STA 8+89.08 TO 9+74.47



TO BE USED
EMERALD LANE
STA 6+92.11 TO 8+89.08

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	26
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (12-1)2N,I-5,TS-3,B-1				



TO BE USED
 SYCAMORE STREET
 STA 10+66.53 TO 11+59.91

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	27
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(12-1)2N,1-5,TS-3,B-1				

PAVEMENT SCHEDULE

LOCATION	PAVEMENT REMOVAL	DRIVEWAY PAVEMENT REMOVAL	PCC PAVEMENT, 10" (JOINTED)	PCC BASE COURSE, 9"	BRIDGE APPROACH PAVEMENT (SPECIAL)	BRIDGE APPROACH CONNECTOR (PCC) SPECIAL	PCC DRIVEWAY PAVEMENT, 7"	SUB-BASE GRANULAR MATERIAL, TYPE A	SUB-BASE GRANULAR MATERIAL, TYPE A, 4"	PROTECTIVE COAT	STRIP REFLECTIVE CRACK CONTROL TREATMENT
	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	SQ YD	SQ YD	FOOT
ILLINOIS 13											
25+60.4 TO 37+37.7 LT				1538					1538	1538	1178
25+78 TO 37+38 LT											
28+32.5 LT (ENTRANCE)		142					95	95		95	
29+68.6 LT (ENTRANCE)		150					109	109		109	
30+24.2 LT (ENTRANCE)		166					114	114		114	
30+78.3 LT (ENTRANCE)		117					79	79		79	
31+28.4 LT (ENTRANCE)		173					126	126		126	
32+38.3 LT (ENTRANCE)		154					111	111		111	
32+92.8 LT (ENTRANCE)		195					137	137		137	
33+82.9 LT (ENTRANCE)		223					163	163		163	
38+57 TO 46+43.22 LT				1019					1019	1019	787
ILLINOIS 13 (EASTBOUND)											
46+48.39 TO 52+27.44				772				60	772	772	
53+43 TO 57+04.54 LT											
53+57.7 TO 57+04.7 RT				236					236	236	
53+79.2 TO 57+04.6 LT				952					952	952	
57+04.7 TO 57+68.3	157										
57+04.7 TO 57+22.8							93			93	
57+22.8 TO 57+52.7					217					217	
58+21.4 TO 58+71.6	124										
58+30.7 TO 58+60.8					216					216	
58+60.8 TO 58+71.5							106			106	
57+70.9 TO 61+96.2 LT				868					868		
58+71.5 TO 65+56.02 LT											
61+96.2 TO 65+56.02 LT				754					754	754	
ILLINOIS 13 (WESTBOUND)											
0+71.8 TO 6+02.7 (MEDIAN) LT				448						448	
0+71.5 TO 6+01.9 RT				1010				103	1010	1010	
0+71.45 TO 6+03. RT											
53+75 TO 57+22 RT											
53+86.2 TO 57+21.6 RT				540					540	540	
57+21.6 TO 57+78.3	135										
57+21.6 TO 57+32.6							78			78	
57+32.6 TO 57+62.5					182					182	
57+87.7 TO 67+74.8 RT				908					908	908	
58+31.7 TO 58+87.3	132										
58+41.11 TO 58+71.2					175					175	
58+71.10 TO 58+87.40							79			79	
58+88 TO 67+75 RT											
62+60 TO 65+56.17 LT											592
62+60 TO 67+83.72 RT											524
OLD MAIN											
0+36 TO 0+84			25						25	25	
GLENVIEW											
9+43 TO 9+20 LT											
EMERALD											
52+27.4 (IL 13 EB) TO 9+73.40 RT (EMR)				119					119	119	
9+73.4 LT TO (EMR) 53+79.2 LT (IL 13 EB)				229					229	229	
8+89 TO 9+76 LT								12			
8+89 TO 9+76 RT								19			
SYCAMORE											
6+01.9 RT (IL 13 WB) TO 11+59.9 RT (SYC)				135					135	135	
11+59.9 LT (SYC) TO 53+86.2 (IL 13)				65					65	65	
10+44 TO 11+60 RT								17			
10+44 TO 11+60 LT								5			
TOTALS	548	1320	25	9593	790	356	934	216	10552	10830	3081

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F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	28
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(12-112N,1-5,TS-3,B-1				

MEDIAN AND CURB AND GUTTER SCHEDULE

LOCATION	MEDIAN REMOVAL	CONCRETE MEDIAN SURFACE TYPE A, 4"	COMBINATION CURB AND GUTTER REMOVAL	COMBINATION CURB AND GUTTER B-6.12	COMBINATION CURB AND GUTTER B-6.24	COMBINATION CURB AND GUTTER M-6.06	PROTECTIVE COAT	SUB-BASE GRANULAR MATERIAL TYPE A, 4"
	SQ FT	SQ FT	FOOT	FOOT	FOOT	FOOT	SQ YD	SQ YD
ILLINOIS 13								
25+85 TO 28+13 (ENT)			270			1157	334	527
25+85.6 TO 37+42.5							15	29
28+36 (ENT) TO 29+40 (ENT)			225		85			
29+63 (ENT) TO 30+02 (ENT)			121		98		17	34
30+23 TO 30+64 (ENT)			126		90		16	31
30+82 (ENT) TO 31+02 (ENT)			127		87		16	30
31+32 (ENT) TO 32+16 (ENT)			178		91		16	31
32+42 (ENT) TO 32+75 (ENT)			113		89		16	31
33+11 (ENT) TO 33+50 (ENT)			152		68		12	23
33+70.7 TO 37+44			380		82		15	28
38+71.9 TO 46+43.2			576	577		771	223	351
40+67 TO 46+43.22 LT							103	199
ILLINOIS 13 (EASTBOUND)								
46+48.39 TO 51+00 LT				473	452		80	156
46+48.4 TO 52+27.4						579	167	264
53+57.7 TO 54+62.3	1194							
53+58 TO 57+05 RT								
53+79.4 TO 57+04.7 RT						328	44	98
53+84.9 TO 57+59.7		4057					451	
58+38.1 TO 58+65.6		608					68	
ILLINOIS 13 (WESTBOUND)								
0+00 TO 5+83.2 RT						583	168	266
0+71 TO 6+03.09 RT	4550		72					
46+00 TO 46+43.22 RT			43		43		13	20
53+75 TO 57+22 LT								
53+76.7 TO 57+21.6 (MEDIAN)						345	100	157
65+75 TO 67+93.75 RT						20	6	9
67+61.94 TO 67+93.75 RT			34					
OLD MAIN								
0+83.9 RT TO 25+85 (IL 13) LT			71			53	15	24
GLENVIEW								
9+19.5 (GLENVIEW) TO 38+71.9 (IL 13)						50	14	23
9+19 LT TO 38+77 LT (IL 13)			60					
EMERALD								
52+27.4 (IL 13 EB) TO 8+89.1 (EMERALD)						95	27	43
52+57 (IL 13 EB) TO 8+89 RT (EMERALD)			92					
8+89 LT (EMERALD) TO 53+47 (IL 13 EB)			116			76	22	35
SYCAMORE								
5+83.2 RT (IL 13 WB) TO 11+59.9 RT (SYCAMORE)						133	38	61
6+19 (IL 13 WB) TO 11+60 RT (SYCAMORE)			102					
11+60 LT (SYCAMORE) TO 6+58 RT (IL 13 WB)			102					
11+60 LT (SYCAMORE) TO 53+62.2 RT (IL 13 WB)						82	24	37
6+41 TO 6+34.51 RT (SIDEWALK RAMP)			7					
TOTALS	5744	4665	3440	1719	3987	328	2020	2507

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	29
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
*(12-112N,1-5,TS-3,B-1				

SURFACING AND SHOULDER SCHEDULE

LOCATION	BITUMINOUS SURFACE REMOVAL, 1-1/2"	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	PCC SURFACE REMOVAL BUTT JOINT	PCC SURFACE REMOVAL	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE SUPERPAVE, MIX E, N105	POLYMERIZED BITUMINOUS CONCRETE BINDER COURSE SUPERPAVE, N105, IL-19, 0	POLYMERIZED LEVELING BINDER (MACHINE METHOD) SUPERPAVE N105	TEMPORARY RAMP	AGGREGATE (PRIME COAT)	BITUMINOUS MATERIALS (PRIME COAT)	PAVED SHOULDER REMOVAL	BITUMINOUS SHOULDERS SUPERPAVE, 8"
	SQ YD	SQ YD	SQYD	SQ YD	TON	TON	TON	SQ YD	TON	GAL	SQ YD	SQ YD
ILLINOIS 13												
22+79 TO 26+20 (EB AND TURN LANE)		1825			159				2.8	170.5		
23+79 TO 24+84								27				
25+60.4 TO 37+37.7							88		1.8	106		
26+15 TO 26+20 RT (EB)								7				
26+20 TO 39+74.9					455				8.1	487.8		
26+20 TO 45+50		5147										
38+59 TO 45+50							155		1.4	82.9		
38+76.51 TO 46+43.22 LT											681	
39+69.87 TO 39+74.87 (EB)								7				
39+74.9 TO 40+69					42				0.8	45.2		
40+64 TO 40+69 (WB)	2565				450			20				
40+69 TO 45+50						7			8.0	482.3		
40+69 TO 46+43.22		746										
45+50 TO 46+43.22												
ILLINOIS 13 (EASTBOUND)												
46+48.39 TO 47+20.03		191										
46+48.39 TO 52+57.34 LT											541	
46+48.39 TO 53+04.8	1574				221	1044			15.8	945.2		
47+19.80 TO 53.57.7												
53+04.8 TO 57+04.7					226				4.0	240.9		
53+09 TO 62+68						792			11.8	710.4		
53+47.24 TO 57+65.33 LT											372	
53+46.7 TO 57+40.3 LT												403
53+57.7 TO 57+04.7	1068											
56+48.88 TO 57+73.35 RT											55	
56+96.65 TO 57+04.65								20				
57+71.6 TO 65+56.4	2273											832
58+17.8 TO 65+56.02 LT												
58+18.35 TO 61+08.00 LT											255	
58+26.43 TO 60+25.00 RT											88	
58+71.45 TO 58+76.45								13				
58+71.6 TO 65+56.4					307				5.5	328.9		
61+00 TO 65+56 LT											289	
62+68.3 TO 65+56.02									1.2	71.1		
65+51.36 TO 65+56.36								20				
ILLINOIS 13 (WESTBOUND)												
0+00 TO 0+71.59		382										
0+00 TO 6+58.5					295	1707			21.1	1264.4		
0+66.45 TO 0+71.45								14				
0+71.5 TO 6+19.4 RT											487	
5+76.10 TO 6+58.20	160											
53+07 TO 62+60												
53+07.30 TO 53+55.30	100								5.0	298.2		
53+07.3 TO 57+21.6					139				2.5	149.1		
53+62.24 TO 57+74.09 LT												470
53+64.9 TO 57+83.7 RT											372	
54+59.63 TO 57+75.00 LT											140	
57+12.58 TO 57+21.6								22				
58+26.43 TO 62+17.00 LT											174	
58+38.5 TO 63+00 RT											410	
58+51.8 TO 67+75 RT												761
58+87.40 TO 58+99.40								30				
58+87.4 TO 67+93.8					374				9.2	549.6		
62+60 TO 62+65												
62+60 TO 63+00		145						41				
62+60.2 TO 67+74.8									1.1	64.1		
62+83.72 TO 67+83.72	2347							90				
63+00 TO 67+93.80												
63+00 TO 67+81.8 RT											256	
GLENVIEW												
9+75 TO 9+63				206								
EMERALD												
8+89.08 TO 8+94.08								20				
8+89.08 TO 8+96.08				32								
9+76.9 TO 8+89.1					53	230			2.9	170.1		
SYCAMORE												
10+52 TO 11+52.90	585											
10+66.5 TO 11+59.9					51	204			2.7	162		
11+54.91 TO 11+59.91								20				
TOTALS	10672	8436	32	206	2772	4659	390	351	106	6329	4120	2466

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F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	31
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
*(12-1)2N,I-5,TS-3,B-1				

SIDEWALK SCHEDULE

LOCATION	SIDEWALK REMOVAL	PCC SIDEWALK, 5"	PROPOSED WIDTH
	SQ FT	SQ FT	FEET
ILLINOIS 13			
25+63.70 TO 25+75.00 LT (RAMP)		51	6
25+75.00 TO 28+12.81 LT	931	1189	5
26+10.72 TO 26+08.71 LT (TO OLD MAIN)	43	43	6
26+26.75 LT (ENTRANCE TO SI SURGICAL APPLIANCE)	46	46	6
27+11.87 TO 27+21.65 LT (ENTRANCE TO SI SURGICAL APPLIANCE PARKING LOT)	54	54	3.6
28+12.8 LT TO 28+18.88 LT (RAMP)		33	6
28+42.74 LT TO 28+50.00 LT (RAMP)		33	5
28+50.00 TO 29+47.18 LT	464	389	4
29+47.18 TO 29+54.5 LT (RAMP)		34	5
29+84.47 LT TO 29+90.09 LT (RAMP)		35	5
29+90.09 TO 30+03.19 LT	119	52	4
30+03.19 TO 30+09.84 LT (RAMP)		32	5
30+36.76 TO 30+45.15 LT (RAMP)		34	5
30+45.15 TO 30+61.16 LT	124	64	4
30+61.16 TO 30+67.66 LT (RAMP)		32	5
30+86.60 TO 30+90.27 LT (RAMP)		43	5
30+94.27 TO 31+06.40 LT	111	49	4
31+06.40 TO 31+13.22 LT (RAMP)		33	5
31+45.07 TO 31+50.86 LT (RAMP)		34	5
31+50.86 TO 32+18.00 LT	294	269	4
32+18.00 TO 32+24.62 LT (RAMP)		32	5
32+50.90 TO 32+58.55 LT (RAMP)		33	5
32+58.55 TO 32+68.15 LT	96	38	4
32+68.45 LT TO 32+74.82 LT (RAMP)		32	5
33+11.59 TO 33+17.59 LT (RAMP)		32	5
33+17.59 TO 33+54.49 LT	204	148	4
33+54.49 TO 33+61.11 LT (RAMP)		32	5
34+02.37 TO 34+11.28 LT (RAMP)		35	5
34+11.28 TO 34+25.00 LT	84	55	4
37+14.29 LT (ILLINOIS 13 RAMP)	65	33	5
39+87.95 TO 40+67.28 LT (ADJACENT TO FRONTAGE ROAD)	337	531	6
40+67.28 TO 46+43.20 LT (ADJACENT TO MURDALE PARKING LOT)		3466	6
ILLINOIS 13 (EASTBOUND)			
46+48.56 TO 51+43.19 LT (ADJACENT TO MURDALE PARKING LOT)		3000	6
EMERALD			
6+40.06 TO 6+44.63 RT (RAMP TO FRONTAGE ROAD)		46	6
6+44.63 TO 8+83.14 RT (WEST SIDE OF PARKING LOT)		740	5
6+64.49 TO 6+84.01 RT (ADJACENT TO EMERALD)		130	5
6+84.01 TO 9+48.14 RT (ADJACENT TO EMERALD)		1659	7
SYCAMORE			
10+76.82, 51.41' LT TO 10+83.51, 43.89' LT		70	7
TOTALS	2972	12661	

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
ILLINOIS 13				
LT 22+79 to 25+50.00	0	0	0	0
LT 25+50 to 38+00	1903	1427	0	1427
LT 38+00 to 53+00	1172	879	1802	-923
LT 53+00 to 65+56.43	833	625	4932	-4307
RT 46+48, 39 to 52+50	514	385	1011	-625
RT 52+50 to 67+83.72	1307	980	2479	-1499
EMERALD				
LT 8+75 to 9+75	60	45	134	-89
RT 6+50 to 9+50	220	165	264	-99
SYCAMORE				
LT 10+75 to 11+75	12	9	127	-118
RT 10+50 to 11+50	18	14	377	-363
TOTALS	6040			-6596

GUARDRAIL SCHEDULE

LOCATION	STEEL PLATE BEAM GUARDRAIL TYPE A	TRAFFIC BARRIER TERMINAL TYPE 2	TRAFFIC BARRIER TERMINAL TYPE 6	TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)	TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (FLARED)	GUARDRAIL REMOVAL
	FOOT	EACH	EACH	EACH	EACH	FOOT
ILLINOIS 13 (EASTBOUND)						
58+11.03 TO 58+41.18 LT			1			
58+17.09 TO 59+29.12 LT						113
58+27.60 TO 59+40.27 RT						113
58+41.18 TO 59+40.14 LT	100					
59+40.14 TO 59+89.63 LT				1		
ILLINOIS 13 (WESTBOUND)						
55+92.15 TO 56+42.44 RT				1		
56+42.44 TO 57+42.81 RT	100					
56+72.03 TO 57+72.02 LT						100
56+82.66 TO 57+83.03 RT						100
57+42.81 TO 57+73.43 RT			1			
64+27.57 TO 64+64.98 RT					1	
64+64.98 TO 67+62.45 RT	287.5					
67+62.45 TO 67+74.95 RT		1				
TOTALS	487.5	1	2	2	1	426

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	32
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
*(12-112N,I-5,TS-3,B-1				

SEEDING AND EROSION CONTROL SCHEDULE

LOCATION	SEEDING CLASS 1B	SEEDING CLASS 7	MULCH METHOD 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	EROSION CONTROL BLANKET	INLET & PIPE PROTECTION	TEMPORARY DITCH CHECK	PERIMETER EROSION BARRIER	TEMP. EROSION CONTROL SEEDING	STONE DUMPED RIP RAP CLASS A3	STONE RIP RAP CLASS A3 (SPECIAL)	STONE RIP RAP CLASS A4	FILTER FABRIC
	ACRE	ACRE	ACRE	POUND	POUND	POUND	TON	SQ YD	EACH	EACH	FOOT	POUND	SQ YD	SQ YD	SQ YD	SQ YD
ILLINOIS 13																
26+60 (IL 13) TO 37+44 (IL 13) LT	0.43	0.43	0.00	69	52	52	0.9	2067			477	129				
ILLINOIS 13 (EASTBOUND)																
38+34 (IL 13) TO 52+59 (IL 13 EB) LT	1.30	1.30	0.96	208	156	156	2.6	1639	3	3		390	64	164		
40+14.94 LT													26			
48+10.21 LT																
58+65 TO 62+60 RT (MEDIAN)	0.23	0.23	0.23	37	28	28	0.5		2			69				
54+00 TO 66+30 LT	1.10	1.10	1.01	176	132	132	2.2	430	1	6	773	330			104.5	104.5
57+17 TO 58+26 (BRIDGE)															1125.5	1125.5
ILLINOIS 13 (WESTBOUND)																
46+00 (IL 13) TO 6+56 (IL 13 WB) RT	0.3	0.30	0.15	48	36	36	0.6	737	1	2		90				
0+75 TO 6+08 RT														1727		
53+69 TO 56+00 RT	0.11	0.11	0.11	18	13	13	0.2					33				
53+69 TO 58+42 RT										3				2705		
57+60 TO 58+58 (BRIDGE)															635	635
58+42 TO 67+92 RT	0.8	0.80	0.80	128	96	96	1.6				774	240				
GLENVIEW																
9+00 TO 9+64, LT	0.03	0.03	0.03	4.8	4	4	0.1					9				
EMERALD																
6+40 TO 9+64, RT	0.41	0.41	0.39	66	49	49	0.8	93				123				
6+40 TO 9+64, LT	0.11	0.11	0.07	18	13	13	0.2	203				33				
8+85 TO 9+40 LT														123		
9+40.91 RT													50			
SYCAMORE																
10+67 TO 11+60, LT	0.10	0.10	0.10	16	12	12	0.2					30				
10+67 TO 11+60, RT	0.04	0.04	0.01	6	5	5	0.1	163				12				
OLD MAIN																
0+36 TO 0+84, RT	0.02	0.02		3	2	2	0.0	111				6				
TOTALS	5.0	5.0	3.9	797	598	598	10.0	5443	7	14	2024	1494	140	4719	1865	1865

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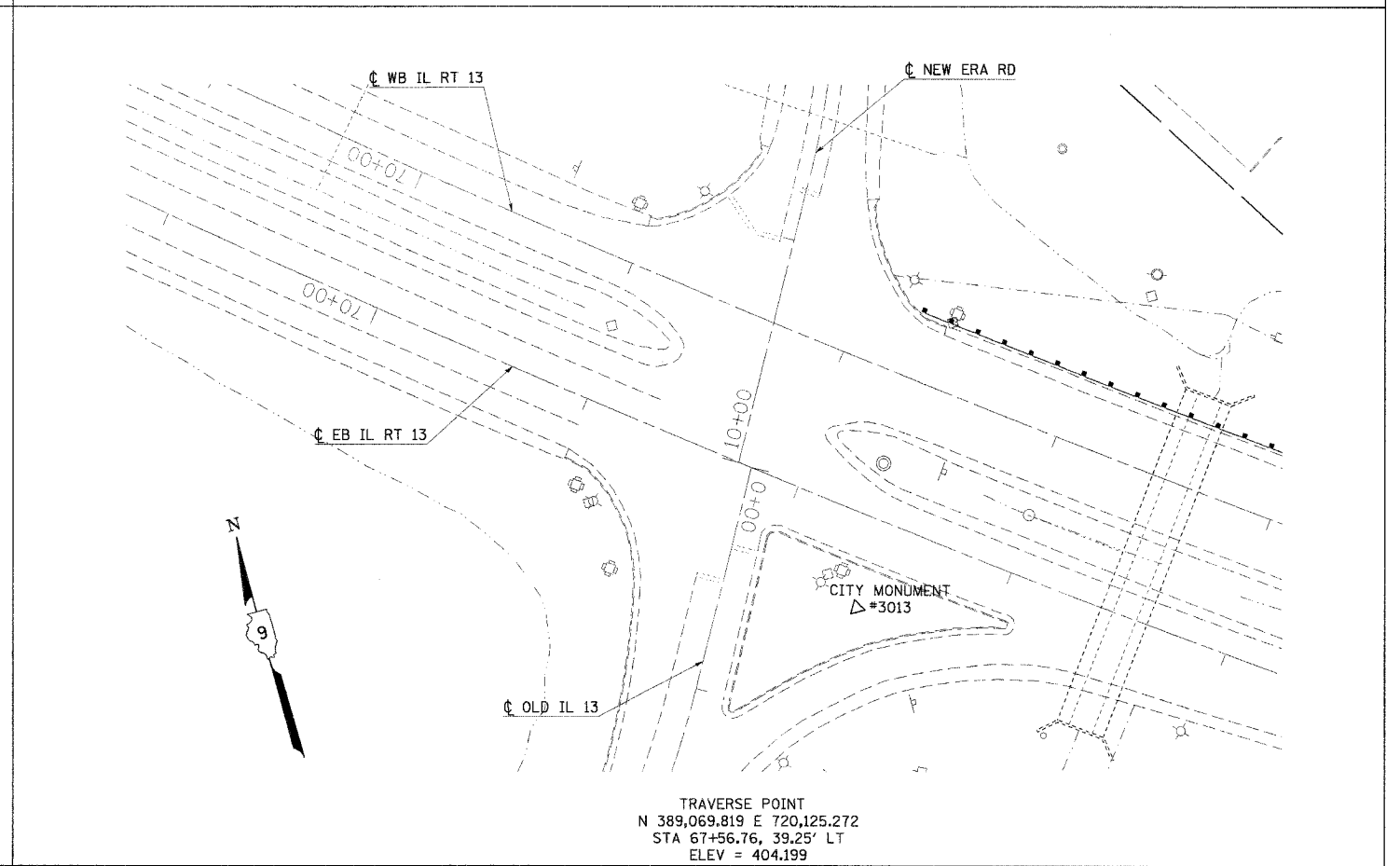
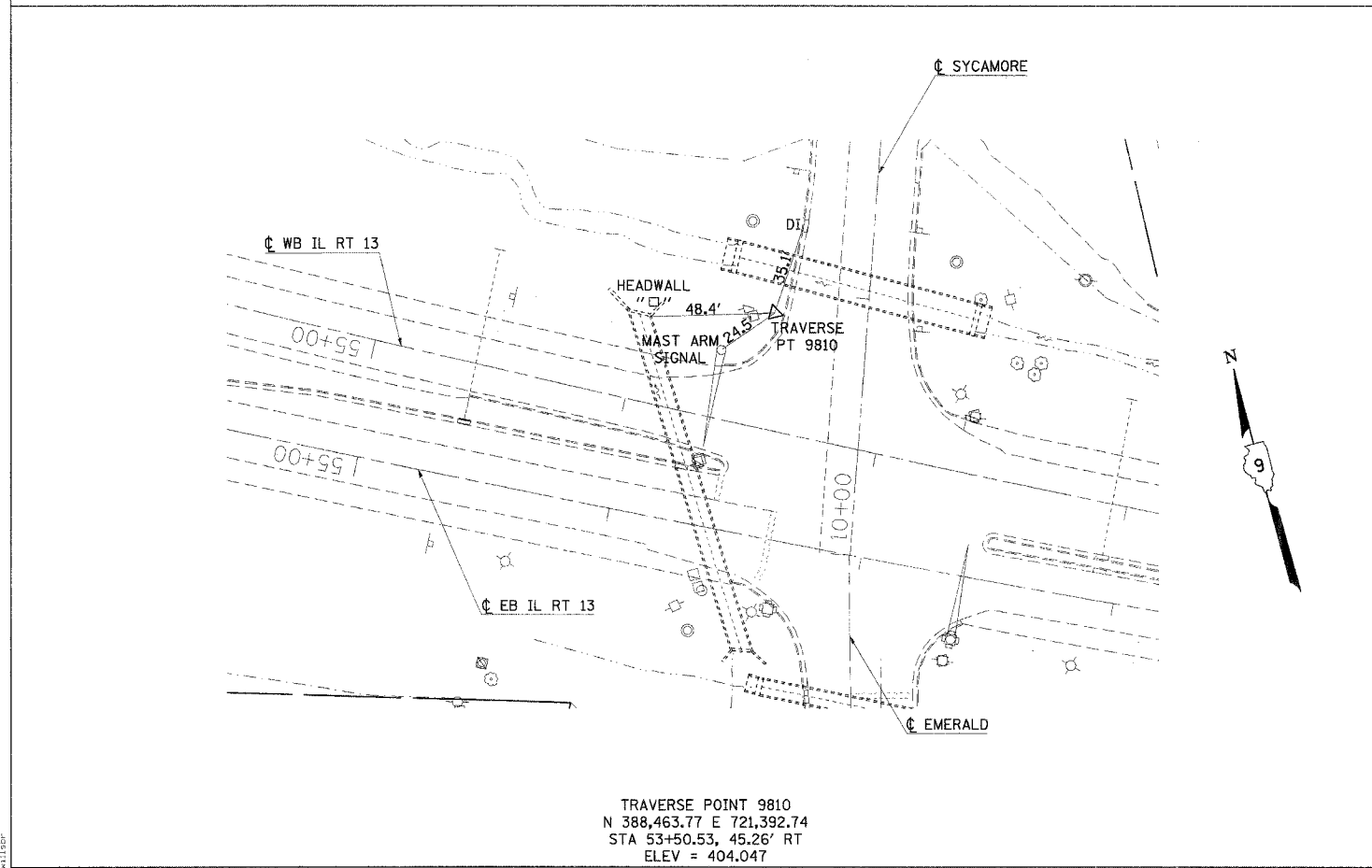
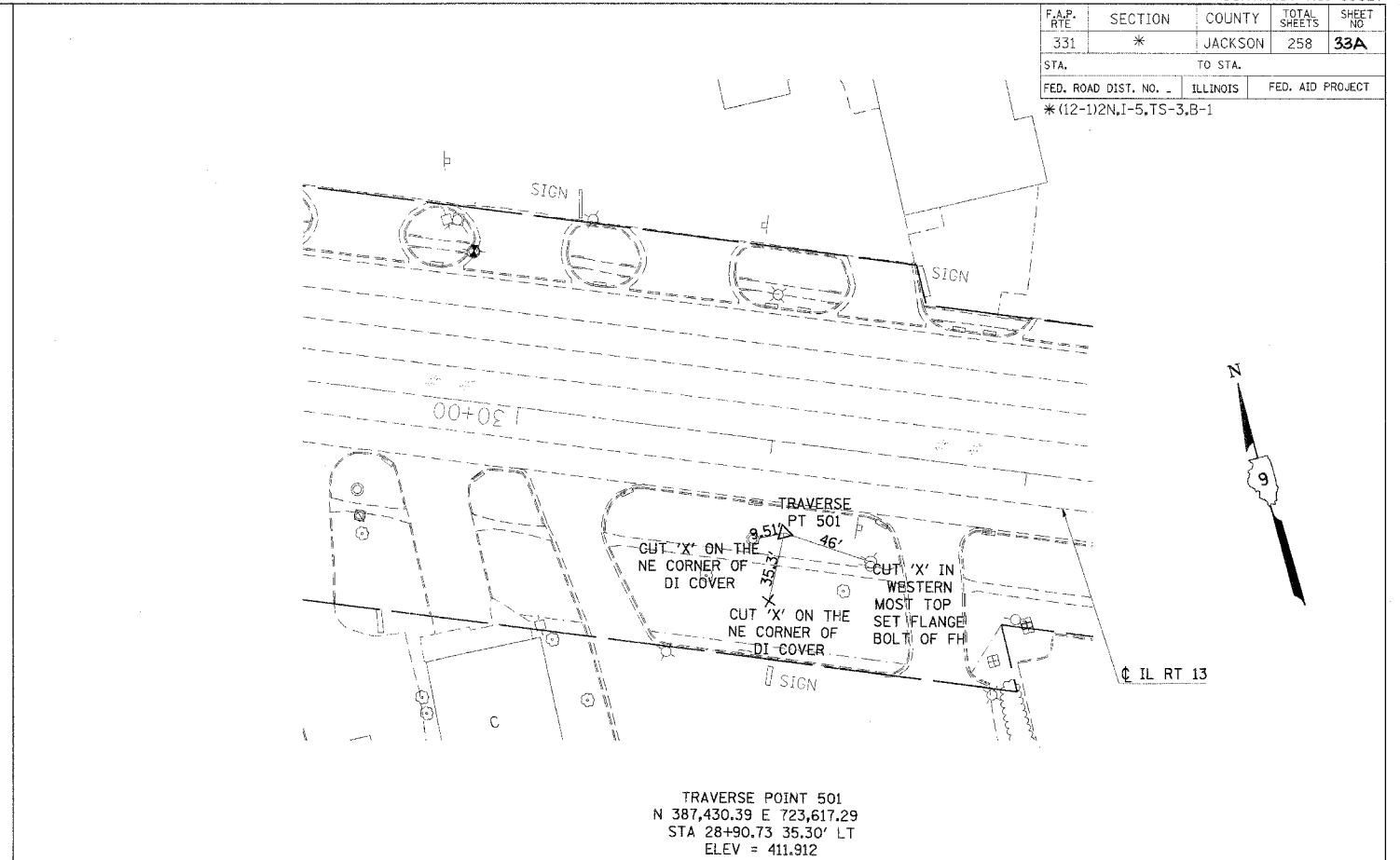
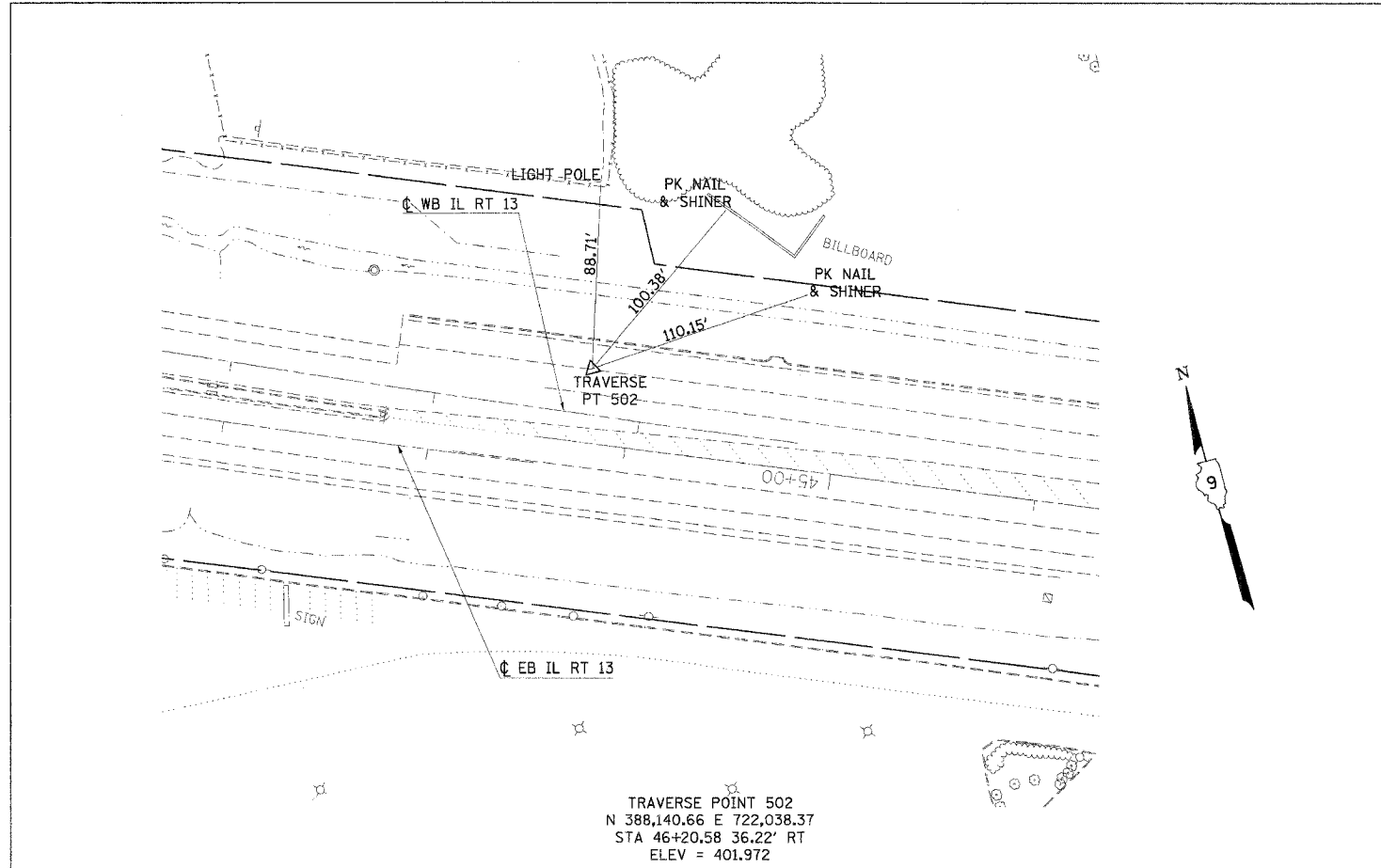
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	33
FED. ROAD DIST. NO. .		ILLINOIS	FED. AID PROJECT	
*(12-1)2N,1-5,TS-3,B-1				

PAVEMENT MARKING SCHEDULE

LOCATION	THERMOPLASTIC PAVEMENT MARKING									
	4" WHITE	4" WHITE SKIP DASH	4" YELLOW	4" YELLOW SKIP DASH	12" WHITE	12" YELLOW	6" WHITE	24" WHITE	LETTERS & SYMBOLS	PAVEMENT MARKING REMOVAL
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SO FT
ILLINOIS 13										
22+79.00 TO 37+12.29 - (2) EB THROUGH LANES		716		92						
22+79.00 TO 24+63.20 - BIDIRECTION TURN LANE			368						15.6	
24+09.66 - LEFT ARROW									15.6	
24+22.58 - RIGHT ARROW										
26+00.00 TO 26+20.00 - BIDIRECTIONAL TURN LANE			40	10						
37+12.29 TO 37+18.29 - CROSSWALK AT GLENVIEW							72			
38+20.02 TO 46+43.22 - (2) EB THROUGH LANES		412								
38+20.02 THROUGH LANE STOP BARS								36		
39+74.84 TO 46+43.22 - PAINTED MEDIAN			2674			330				
40+69.00 TO 46+43.22 - (2) WB THROUGH LANES		287								
ILLINOIS 13 (EASTBOUND)										
46+48.39 TO 52+67.18 - (2) THROUGH LANES		309								
52+67.18 TO 52+73.18 - CROSSWALK AT EMERALD							112			
53+12.05 TO 60+22.31 - NORTH EOP RIGHT TURN LANE	710									
53+46.74 TO 65+56.34 - SOUTH EOP OF RIGHT TURN LANE	1210									
53+55.14 TO 65+56.34 - (2) THROUGH LANES		601								
53+55.14 - EB THROUGH LANE STOP BARS								36		
53+79.54 TO 55+68.37 - PAINTED MEDIAN	377				33					
53+77.38 - RIGHT ARROW									15.6	
54+33.38 - "ONLY"									20.8	
53+79.54 - EB LEFT TURN LANE STOP BAR								15		
54+93.58 - LEFT ARROW									15.6	
55+50.24 - "ONLY"									20.8	
56+01.52 - RIGHT ARROW									15.6	
56+57.93 - "ONLY"									20.8	
56+67.29 TO 65+56.34 - INSIDE EOP			890							
60+22.31 TO 65+56.34 - PAINTED LANE TRANSITION	535				194					
ILLINOIS 13 (WESTBOUND)										
0+00.00 TO 6+17.68 - (2) WB THROUGH LANES		309								
0+00.00 TO 2+71.46 - PAINTED MEDIAN			1089			120				
2+71.46 TO 6+17.68 - NORTH EOP WB LEFT TURN LANE	346			46						
2+71.46 TO 5+99.42 - PAINTED MEDIAN			502							
5+93.33 - WB LEFT TURN LANE STOP BAR								12		
6+17.68 - WB THROUGH LANE STOP BARS								36		
6+17.68 TO 6+23.68 - CROSSWALK AT SYCAMORE									114	
53+62.23 TO 67+74.77 - WB NORTH EOP	1413									
53+75.08 TO 67+93.75 - (2) THROUGH LANES		591								
56+76.64 TO 67+87.62 - INSIDE EOP			1079							
63+19.44 TO 67+93.75 - NORTH EOP WB LEFT TURN LANE	471									
63+19.44 TO 67+74.77 - SOUTH EOP WB RIGHT TURN LANE	456									
63+30.48 - "ONLY"									20.8	
63+87.02 - LEFT ARROW									15.6	
65+39.66 - "ONLY"									20.8	
65+96.50 - RIGHT ARROW									15.6	
66+81.98 - "ONLY"									20.8	
67+38.79 - RIGHT ARROW									15.6	
67+44.21 TO 67+93.75 - PAINTED ISLAND	114				54					
67+74.77 - WB RIGHT TURN LANE STOP BAR								12		
67+85.56 - WB LEFT TURN LANE STOP BAR								12		
67+93.75 - THRU LANE STOP BARS								36		
OLD MAIN										
0+43.72 TO 0+49.72 - CROSSWALK							127			
0+44.30 TO 0+50.30 - EXISTING CROSSWALK										54
0+53.43 TO 0+58.58 - EXISTING STOP BARS										44
0+53.92 - NB THROUGH/LEFT STOP BAR								14		
0+53.92 TO 0+58.58 - NB RIGHT STOP BAR								9		
GLENVIEW										
9+32.30 TO 9+52.94 - EB RIGHT STOP BAR										
9+50.77 TO 9+52.31 - NB RIGHT STOP BAR								7		
9+52.31 - THROUGH LANE STOP BAR								12		
9+52.31 - LEFT TURN LANE STOP BAR								12		
9+55.14 TO 9+68.07 - EXISTING STOP BARS										74
EMERALD										
8+89.08 TO 9+42.93 - CENTERLINE			108							
8+89.08 TO 9+59.34 - OUTSIDE EOP NB THROUGH	70									
9+42.93 - NB THROUGH/LEFT STOP BAR								12		
9+47.76 TO 9+59.34 - NB RIGHT STOP BAR								17		
9+50.25 TO 9+76.90 - PAINTED ISLAND	69				50					
9+59.34 - NB THROUGH STOP BAR								12		
9+58.68 TO 9+67.71 - EB RIGHT TURN LANE STOP BAR								18		
SYCAMORE										
10+60.20 TO 10+67.26 - WB RIGHT STOP BAR								9		
10+68.20 TO 11+09.69 - PAINTED ISLAND	120				32					
10+78.57 TO 10+84.57 - CROSSWALK							160			
10+84.57 TO 11+59.91 - CENTERLINE			150							
10+84.57 - SB THROUGH/LEFT STOP BAR								12		
10+87.53 TO 10+94.87 - RIGHT TURN LANE STOP BAR								16		
11+08.06 - THROUGH/LEFT ARROW									26.0	
11+09.69 TO 11+59.91 - OUTSIDE EOP THROUGH/LEFT	50									
11+10.99 - RIGHT ARROW									15.6	
11+66.30 - "ONLY"									20.8	
11+66.94 - "ONLY"									20.8	
SUBTOTALS	5941	3225	6900	148	363	450	585	345	332.8	172
TOTALS			16214			813	585	345	332.8	172

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	33A
STA. TO STA.		ILLINOIS		
FED. ROAD DIST. NO. -		FED. AID PROJECT		
*(12-1)2N, I-5, TS-3, B-1				



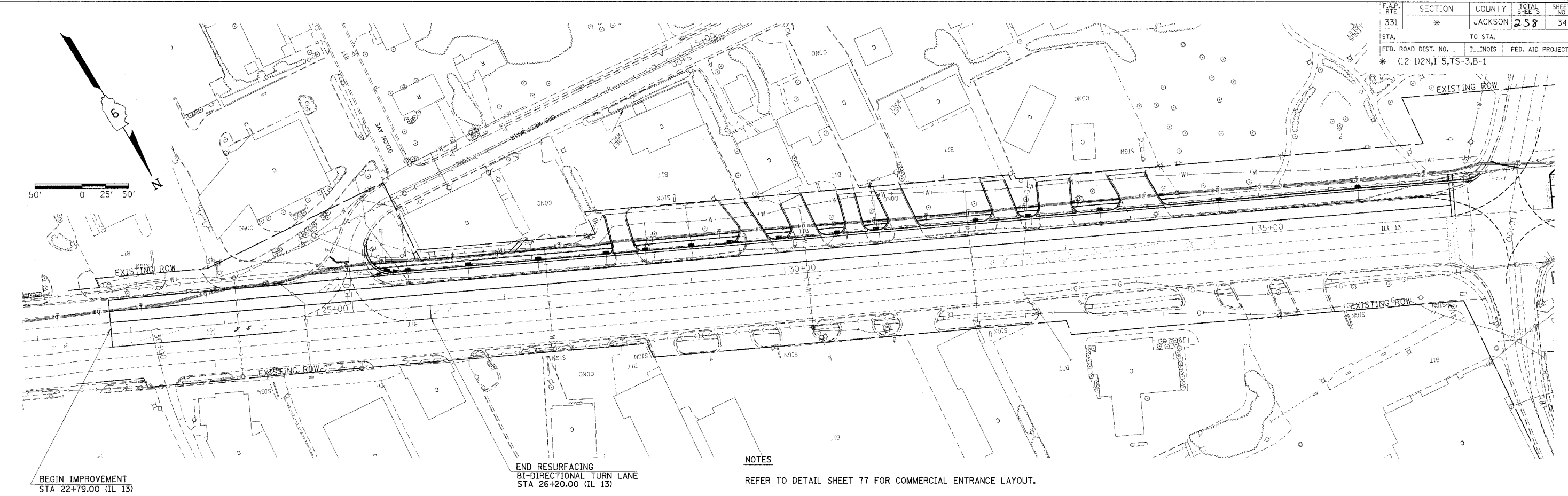
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F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	34
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,I-5,TS-3,B-1				

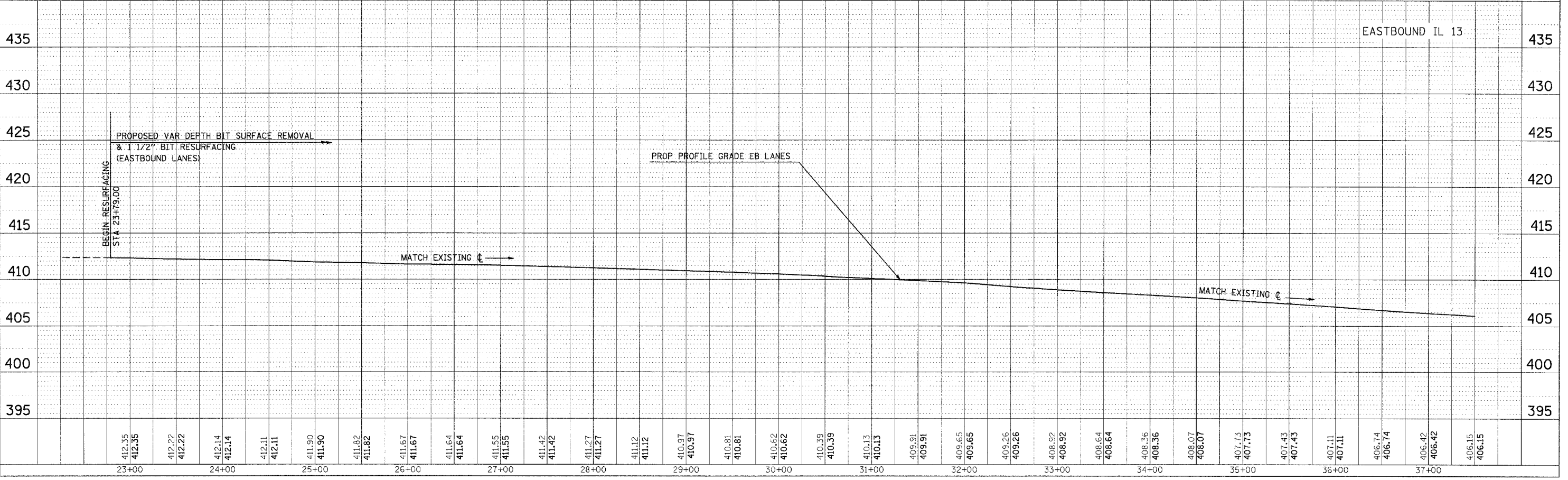
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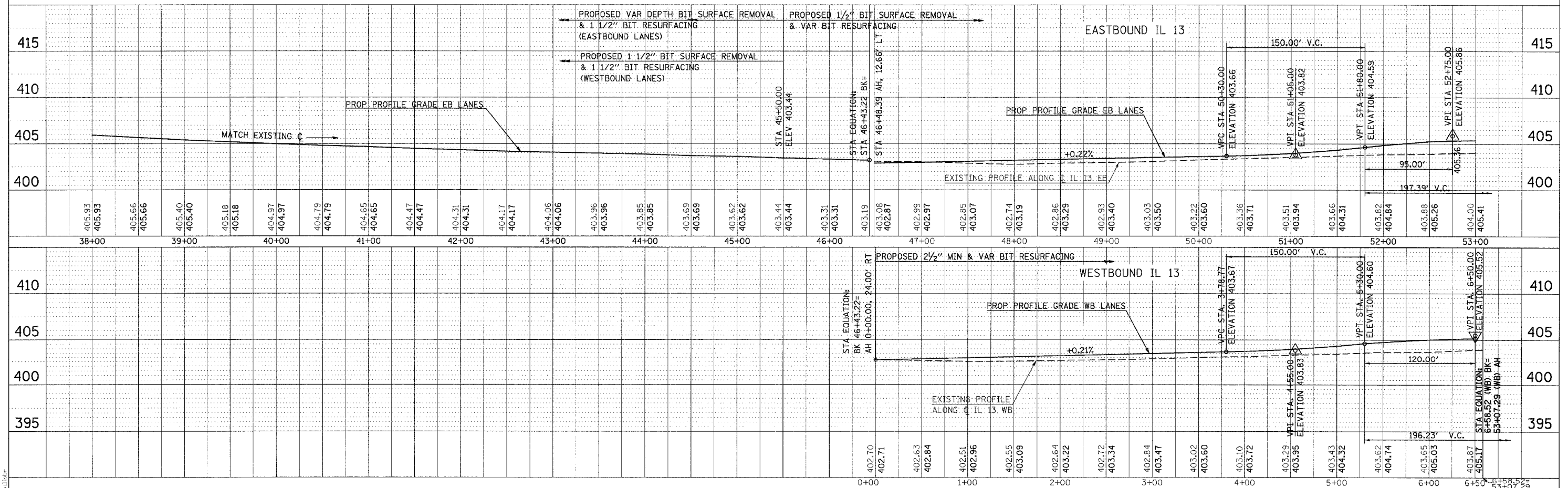
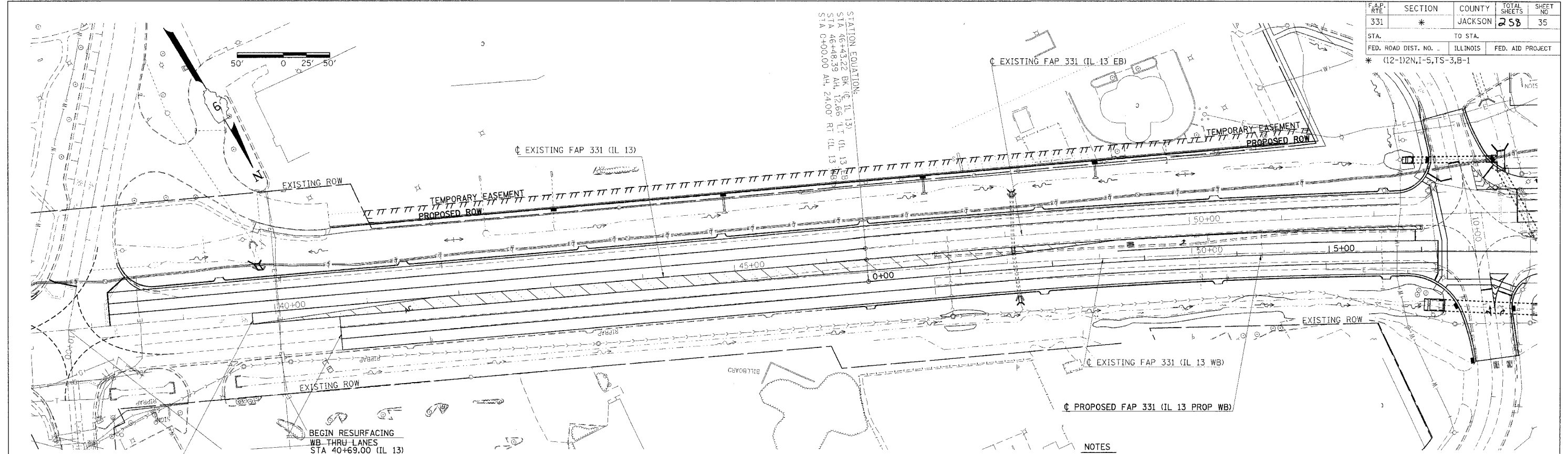


NOTES
 REFER TO DETAIL SHEET 77 FOR COMMERCIAL ENTRANCE LAYOUT.



PLAN PROFILE - IL 13 EB STA 22+73.00 TO 37+00.00

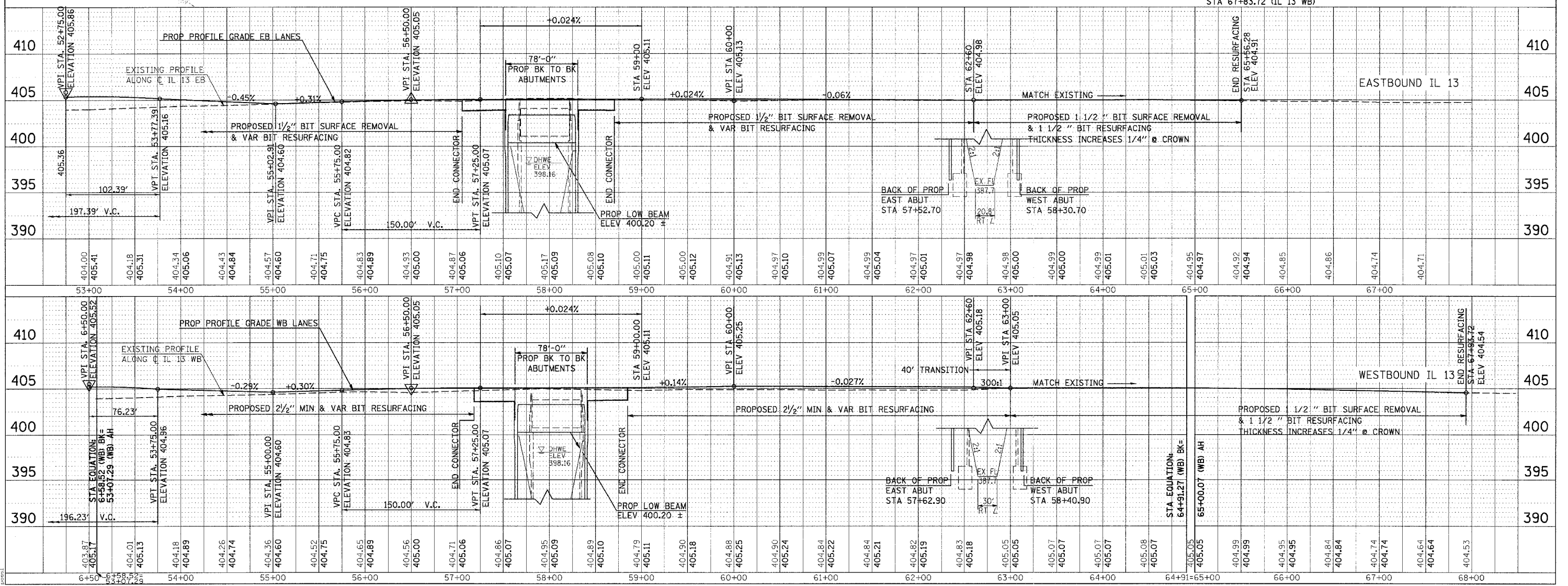
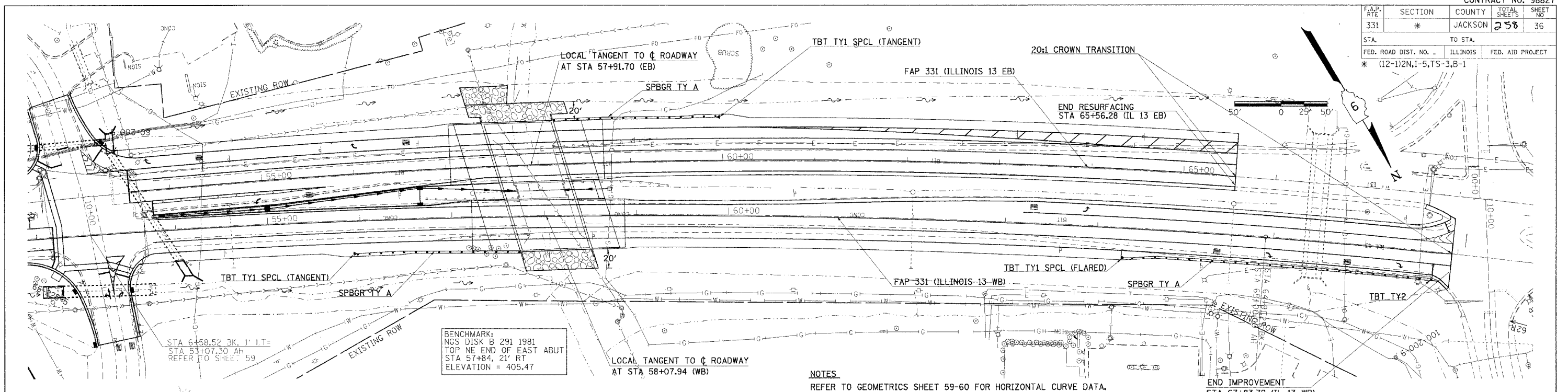
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	35
STA. TO STA.		ILLINOIS		
FED. ROAD DIST. NO. -		FED. AID PROJECT		
* (12-1)2N, I-5, TS-3, B-1				



PLAN PROFILE - IL 13 EB & WB STA 38+00.00 TO 53+00.00

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 1/16" = 1'

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	36
STA. TO STA.		ILLINOIS		
FED. ROAD DIST. NO. -		FED. AID PROJECT		
* (12-1)2N, I-5, TS-3, B-1				



PLAN PROFILE - IL 13 EB & WB STA 53+00.00 TO 68+00.00

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F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	37
STA. TO STA.		ILLINOIS FED. AID PROJECT		
* (12-1)2N, I-5, TS-3, B-1				

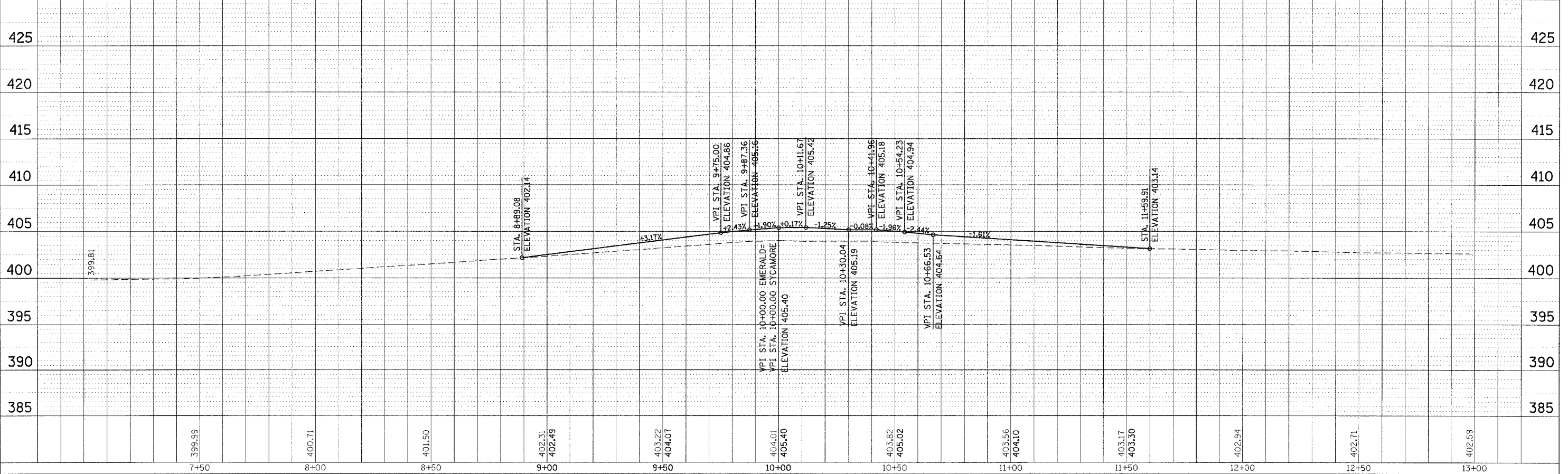
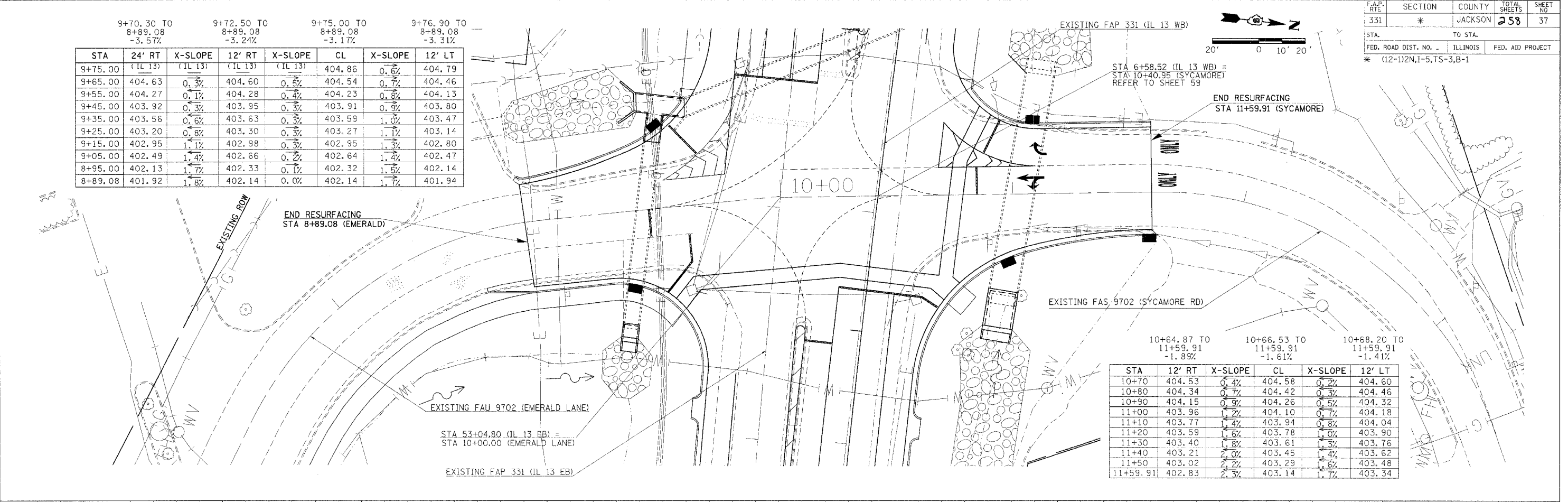
STA	24' RT	X-SLOPE	12' RT	X-SLOPE	CL	X-SLOPE	12' LT
9+75.00	(IL 13)	(IL 13)	(IL 13)	(IL 13)	404.86	0.6%	404.79
9+65.00	404.63	0.3%	404.60	0.5%	404.54	0.7%	404.46
9+55.00	404.27	0.1%	404.28	0.4%	404.23	0.8%	404.13
9+45.00	403.92	0.3%	403.95	0.3%	403.91	0.9%	403.80
9+35.00	403.56	0.6%	403.63	0.3%	403.59	1.0%	403.47
9+25.00	403.20	0.8%	403.30	0.3%	403.27	1.1%	403.14
9+15.00	402.95	1.1%	402.98	0.3%	402.95	1.3%	402.80
9+05.00	402.49	1.4%	402.66	0.2%	402.64	1.4%	402.47
8+95.00	402.13	1.7%	402.33	0.1%	402.32	1.5%	402.14
8+89.08	401.92	1.8%	402.14	0.0%	402.14	1.7%	401.94

STA	12' RT	X-SLOPE	CL	X-SLOPE	12' LT
10+70	404.53	0.4%	404.58	0.2%	404.60
10+80	404.34	0.7%	404.42	0.3%	404.46
10+90	404.15	0.9%	404.26	0.5%	404.32
11+00	403.96	1.2%	404.10	0.7%	404.18
11+10	403.77	1.4%	403.94	0.8%	404.04
11+20	403.59	1.6%	403.78	1.0%	403.90
11+30	403.40	1.8%	403.61	1.3%	403.76
11+40	403.21	2.0%	403.45	1.4%	403.62
11+50	403.02	2.2%	403.29	1.6%	403.48
11+59.91	402.83	2.3%	403.14	1.7%	403.34

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 SUPERVISOR: _____
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 DATE: _____ BY: _____

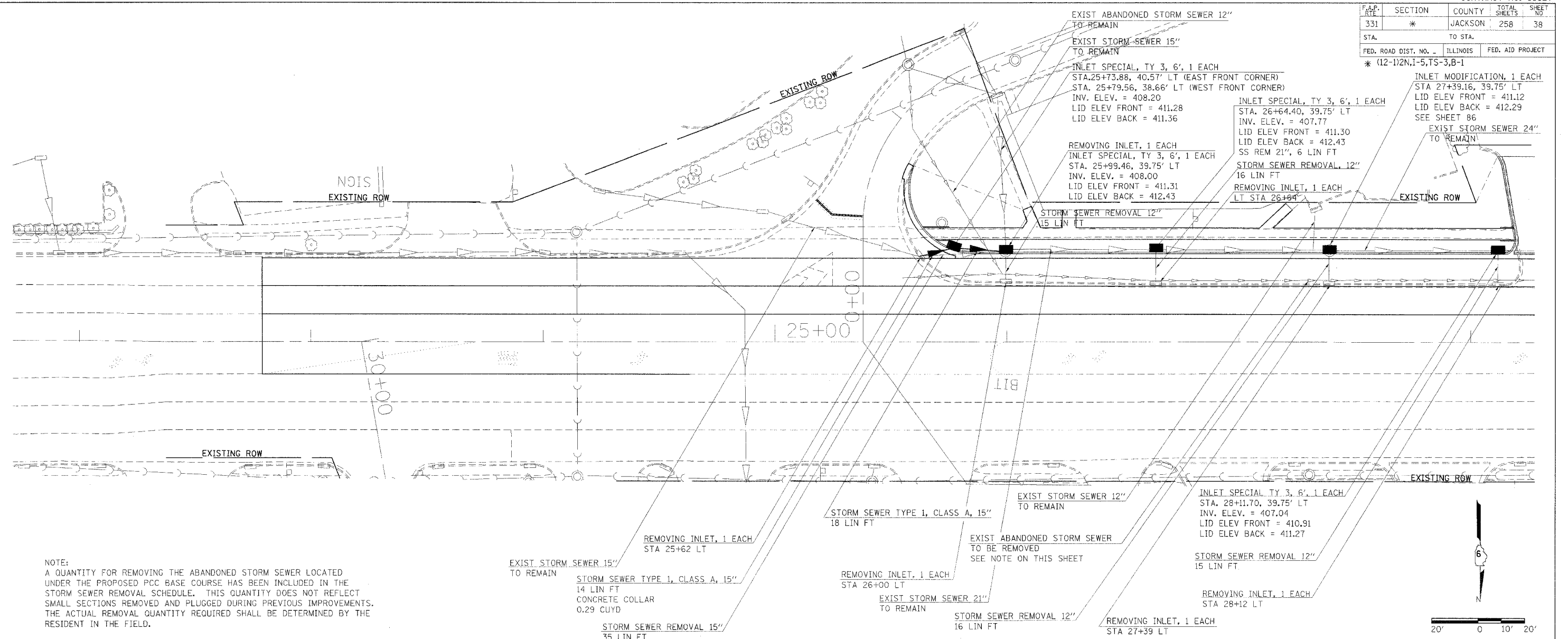
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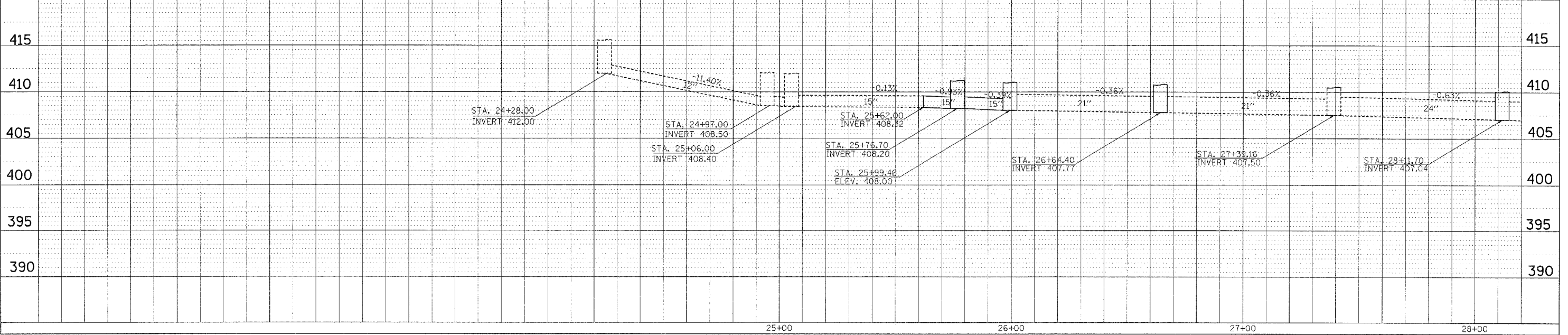
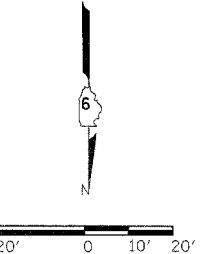


PLAN PROFILE - EMERALD LN / SYCAMORE RD

F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,1-5,TS-3,B-1				

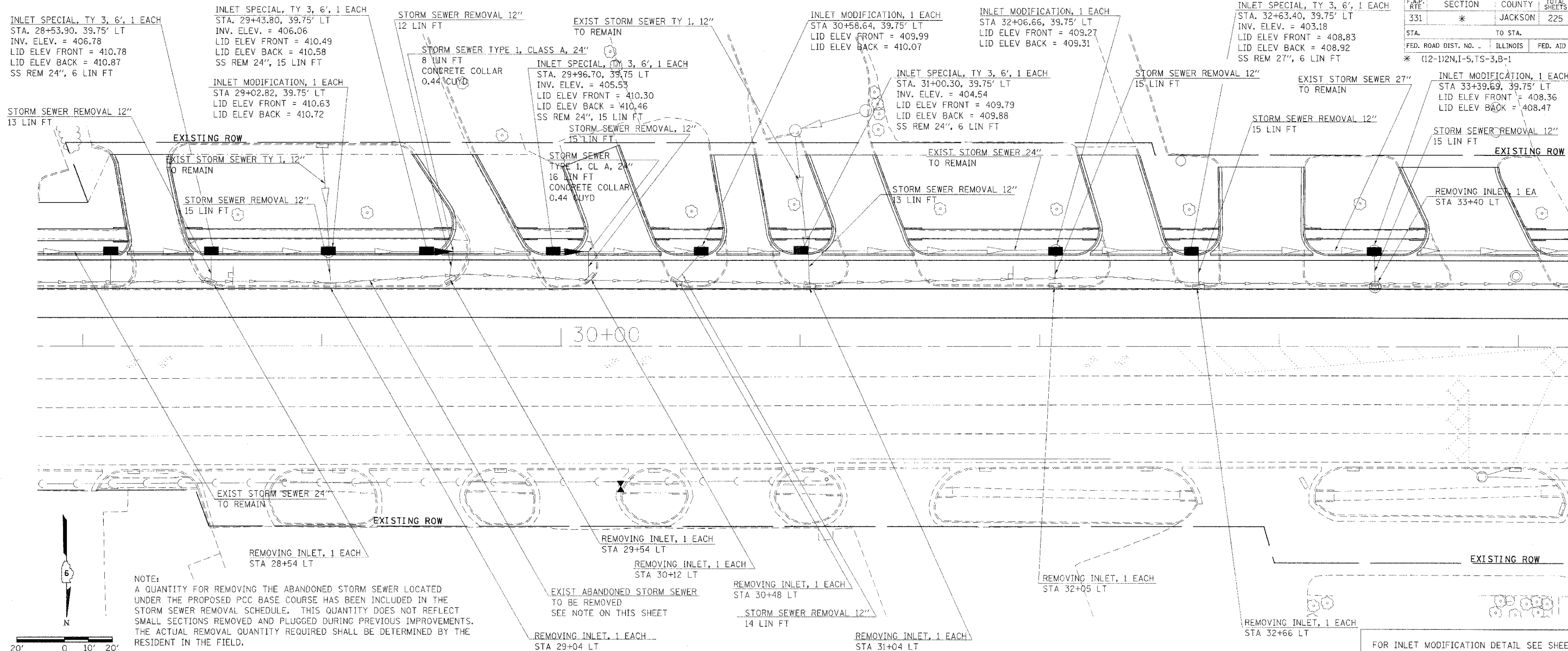


NOTE:
 A QUANTITY FOR REMOVING THE ABANDONED STORM SEWER LOCATED UNDER THE PROPOSED PCC BASE COURSE HAS BEEN INCLUDED IN THE STORM SEWER REMOVAL SCHEDULE. THIS QUANTITY DOES NOT REFLECT SMALL SECTIONS REMOVED AND PLUGGED DURING PREVIOUS IMPROVEMENTS. THE ACTUAL REMOVAL QUANTITY REQUIRED SHALL BE DETERMINED BY THE RESIDENT IN THE FIELD.

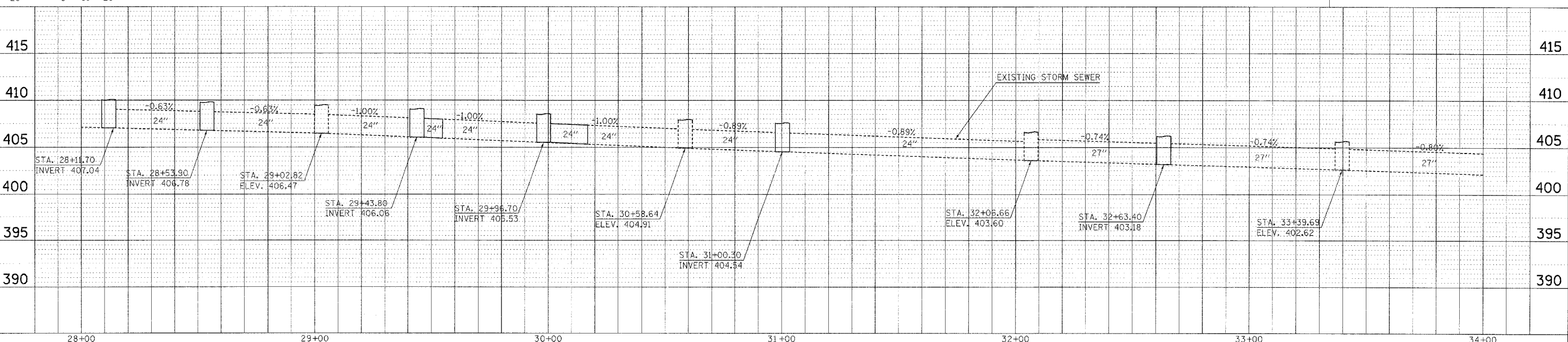


PLAN PROFILE - DRAINAGE (ILLINOIS 13)

F.A.P. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	225	39
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,I-5,TS-3,B-1				



NOTE:
 A QUANTITY FOR REMOVING THE ABANDONED STORM SEWER LOCATED UNDER THE PROPOSED PCC BASE COURSE HAS BEEN INCLUDED IN THE STORM SEWER REMOVAL SCHEDULE. THIS QUANTITY DOES NOT REFLECT SMALL SECTIONS REMOVED AND PLUGGED DURING PREVIOUS IMPROVEMENTS. THE ACTUAL REMOVAL QUANTITY REQUIRED SHALL BE DETERMINED BY THE RESIDENT IN THE FIELD.



PLAN PROFILE - DRAINAGE (ILLINOIS 13)

PLAN	DATE
SUBMITTED	
BY	
REVISIONS	
NO.	
DATE	
DESCRIPTION	
BY	
DATE	
DESCRIPTION	
BY	
DATE	
DESCRIPTION	

PROFILE	DATE
REVISIONS	
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DATE	
DESCRIPTION	
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DATE	
DESCRIPTION	
BY	
DATE	
DESCRIPTION	

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F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	40
STA.	TO STA.		ILLINOIS FED. AID PROJECT	
* (12-1)2N,1-5,TS-3,B-1				

INLET SPECIAL, TY 3, 6', 1 EACH
 STA. 34+66.40, 39.75' LT
 INV. ELEV. = 401.60
 LID ELEV FRONT = 407.62
 LID ELEV BACK = 409.16
 SS REM 27", 6 LIN FT

EXIST STORM SEWER 27"
 TO REMAIN

INLET MODIFICATION, 1 EACH
 STA 36+15.37 LT
 LID ELEV FRONT = 406.66
 LID ELEV BACK = 407.31
 SEE DETAIL SHEET 88

TIE CURB AND GUTTER
 TO EXISTING INLET

EXIST STORM SEWER 27"
 TO REMAIN

EXIST 48" RCCP
 TO REMAIN

EXIST 15" RCCP
 TO REMAIN

PROPOSED CAST IN PLACE
 BOX CULVERT EXTENSION
 STA 40+14.54 LT
 INVERT = 396.84

EXIST 18" RCCP
 TO REMAIN

PROPOSED CONCRETE
 CURB CUT
 STA 39+42.50 LT
 SEE DETAIL SHEET 77

STORM SEWER REMOVAL 12"
 15 LIN FT

STORM SEWER REMOVAL 12"
 15 LIN FT

35+00

40+

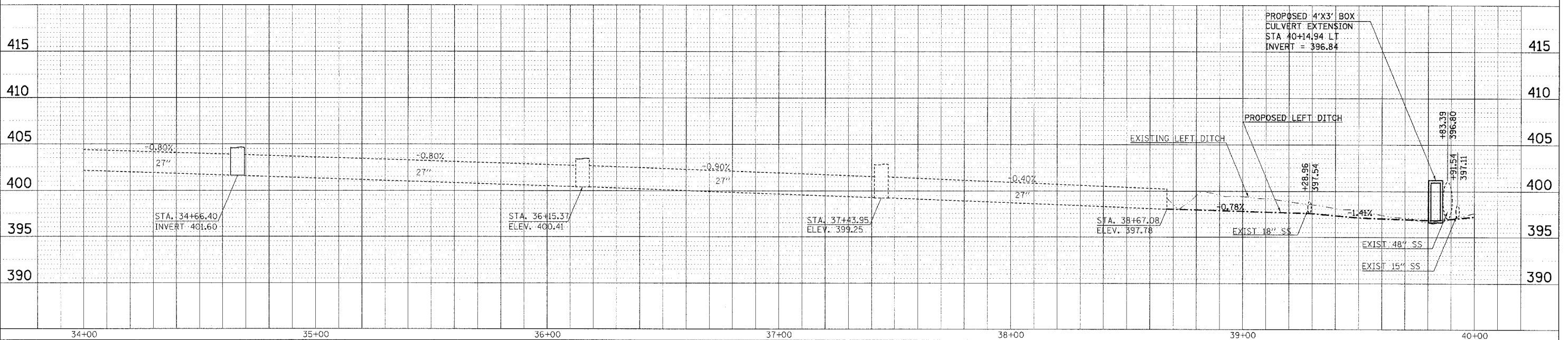
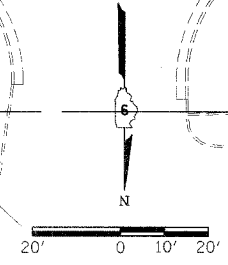
10+00

NOTE:
 A QUANTITY FOR REMOVING THE ABANDONED STORM SEWER LOCATED UNDER THE PROPOSED PCC BASE COURSE HAS BEEN INCLUDED IN THE STORM SEWER REMOVAL SCHEDULE. THIS QUANTITY DOES NOT REFLECT SMALL SECTIONS REMOVED AND PLUGGED DURING PREVIOUS IMPROVEMENTS. THE ACTUAL REMOVAL QUANTITY REQUIRED SHALL BE DETERMINED BY THE RESIDENT IN THE FIELD.

REMOVING INLET, 1 EACH
 STA 34+66 LT

EXIST ABANDONED STORM SEWER
 TO BE REMOVED
 SEE NOTE ON THIS SHEET

REMOVING INLET, 1 EACH
 STA 36+15 LT



PLAN PROFILE - DRAINAGE (ILLINOIS 13)

DATE	BY	DESCRIPTION

DATE	BY	DESCRIPTION

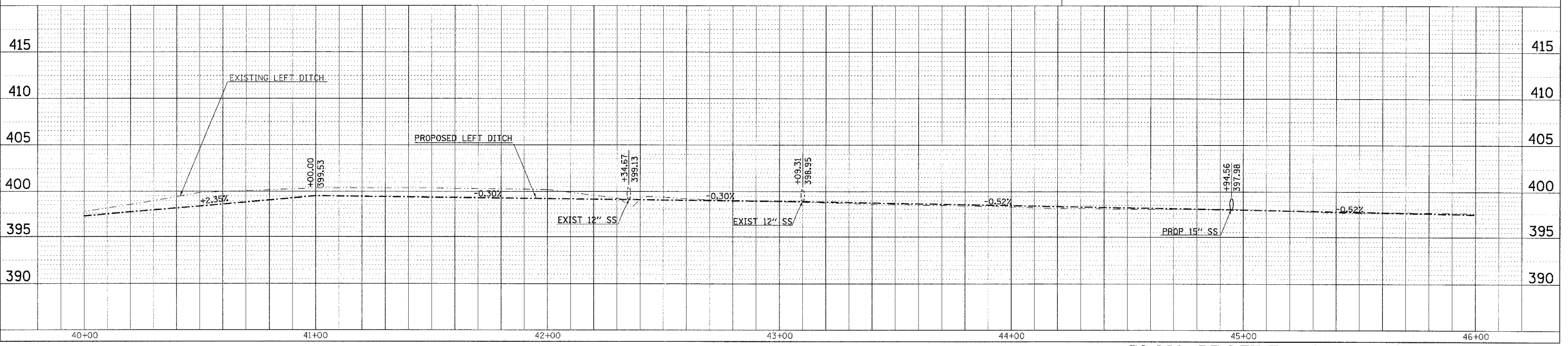
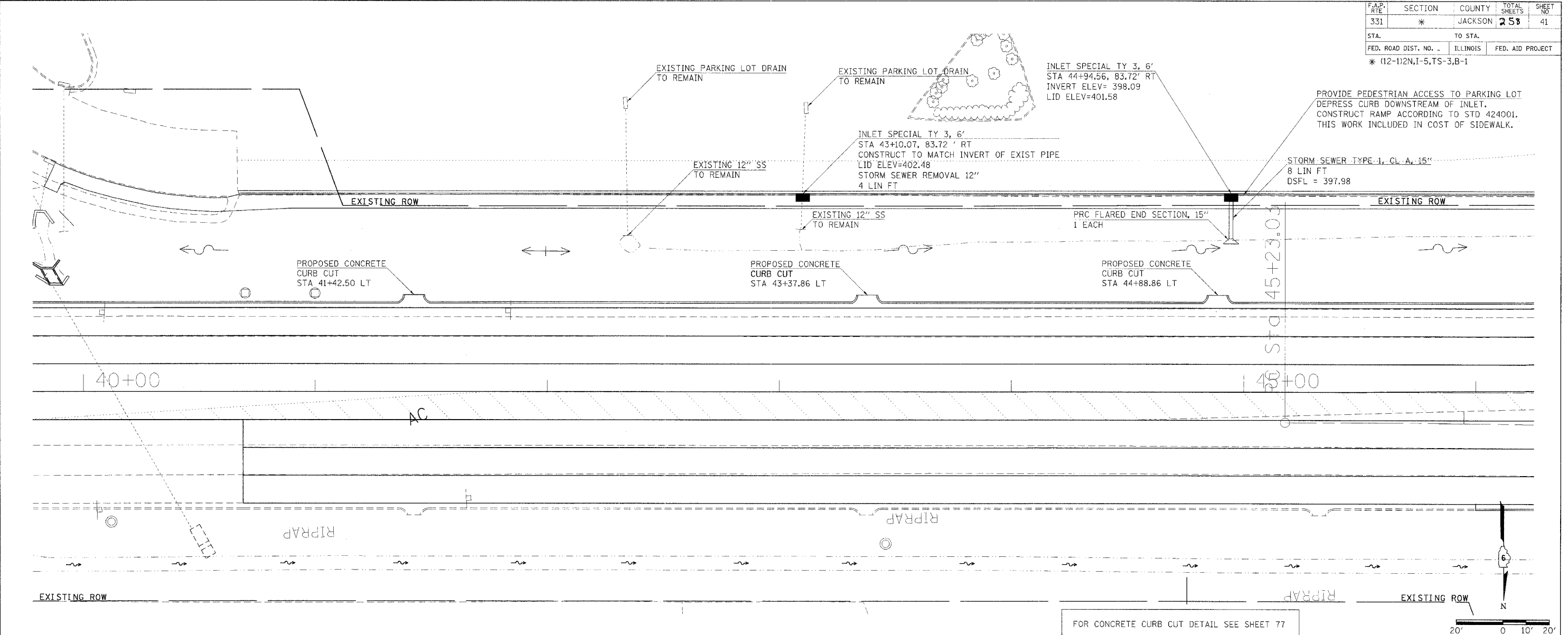
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F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	41
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS		FED. AID PROJECT
* (12-112N,I-5,TS-3,B-1				

DATE: _____
 BY: _____
 SUPERVISOR: _____
 CHECKED: _____
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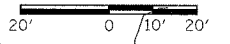
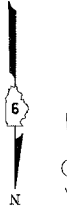
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 BY: _____
 SUPERVISOR: _____
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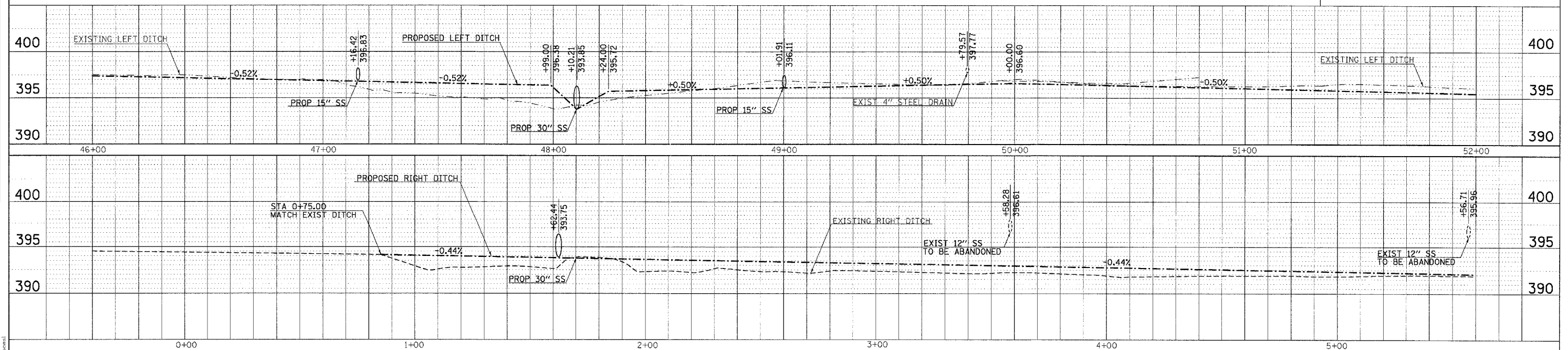
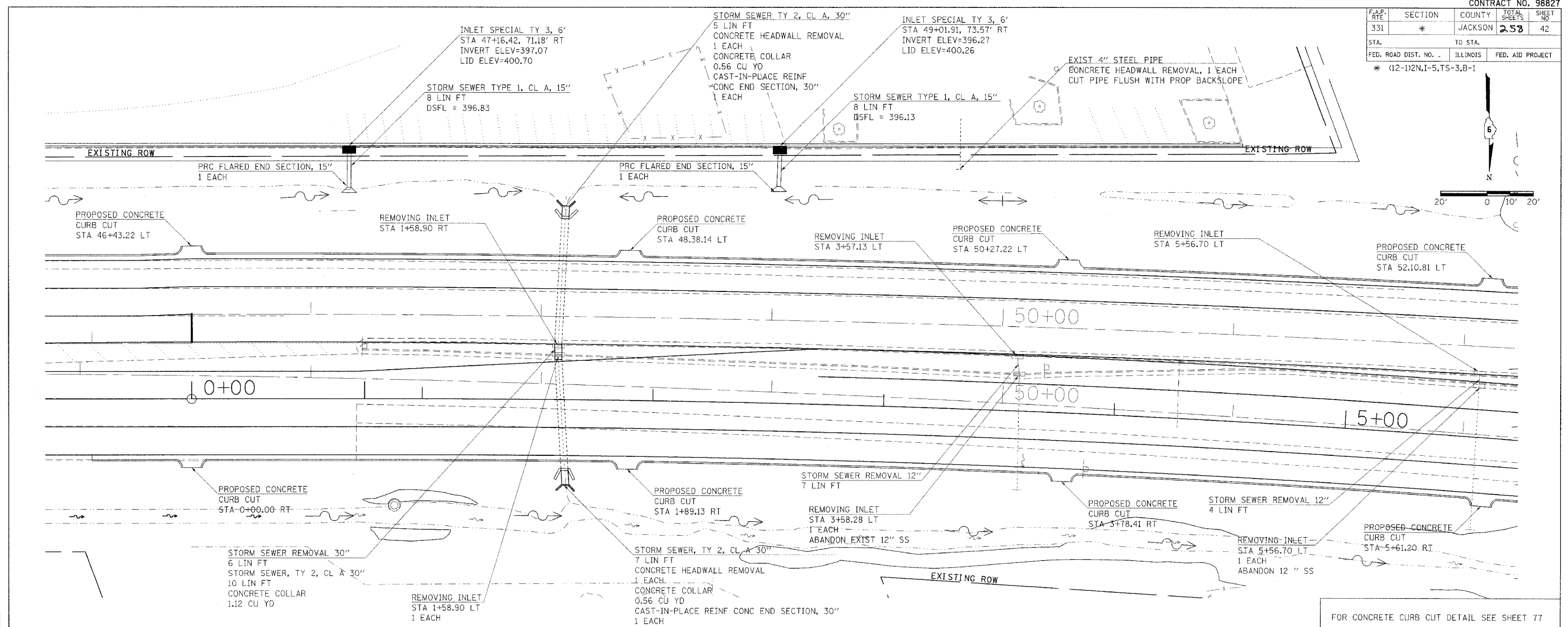
PLAN PROFILE - DRAINAGE (ILLINOIS 13)

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	42
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT
* (12-1)2N,I-5,TS-3,B-1				



PLAN
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 CHECKED BY: _____
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 DATE _____

PROFILE
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 DATE: _____
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 CHECKED BY: _____
 NO. _____
 DATE _____

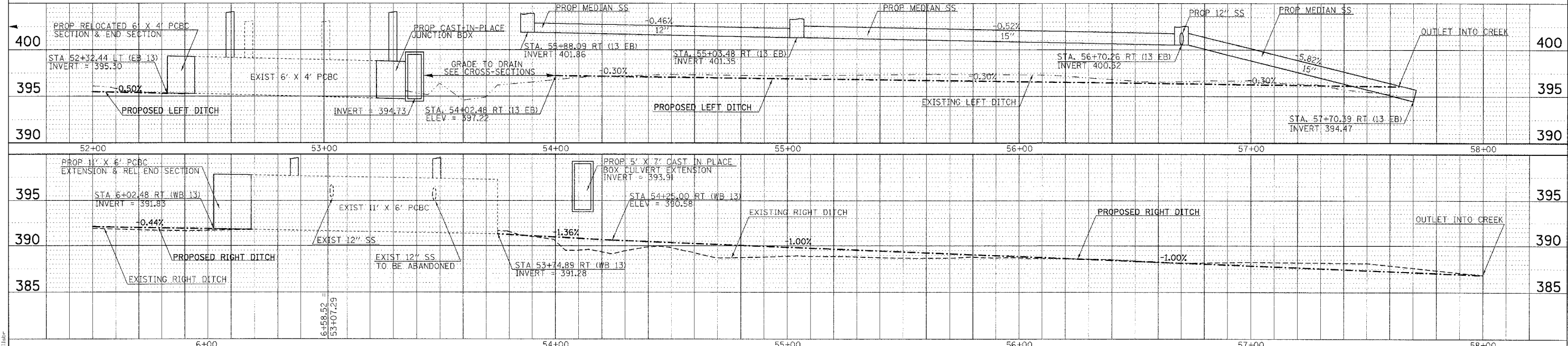
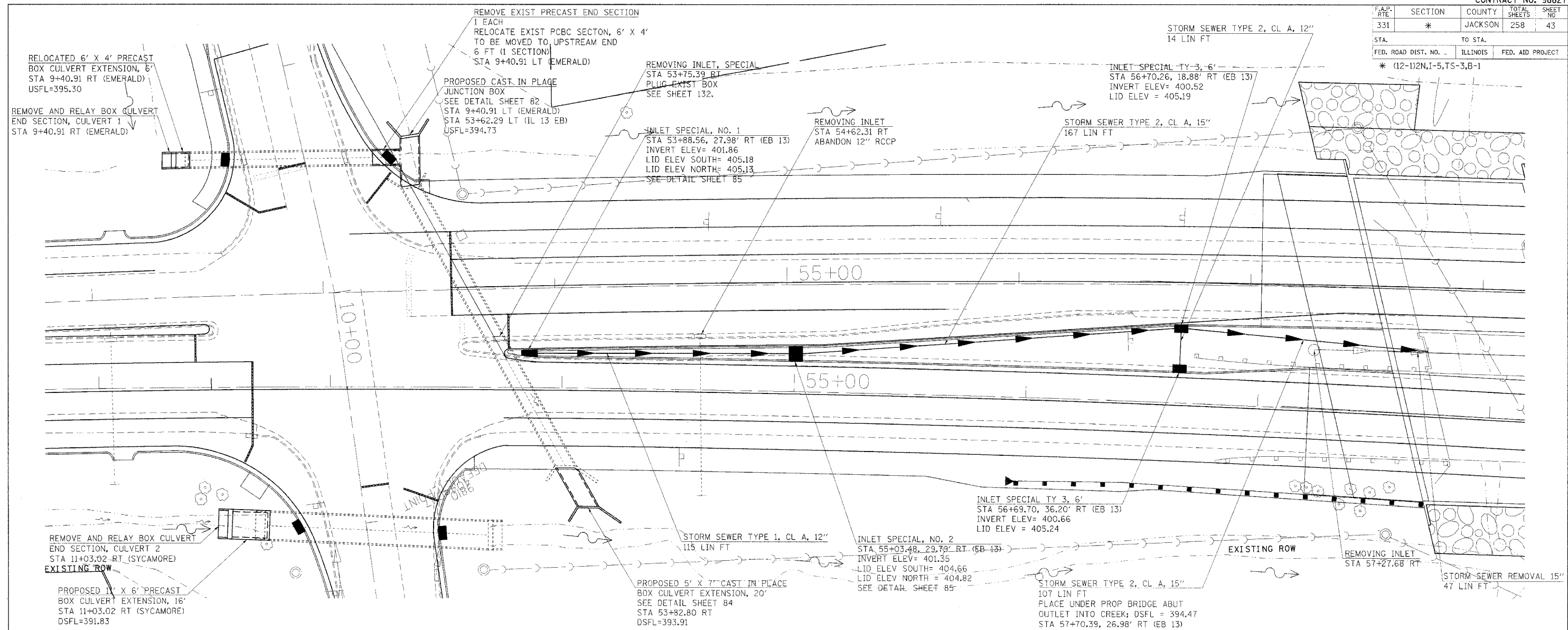


FOR CONCRETE CURB CUT DETAIL SEE SHEET 77

PLAN PROFILE - DRAINAGE (ILLINOIS 13)

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F.A.P. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	43
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,1-5,TS-3,B-1				



PLAN

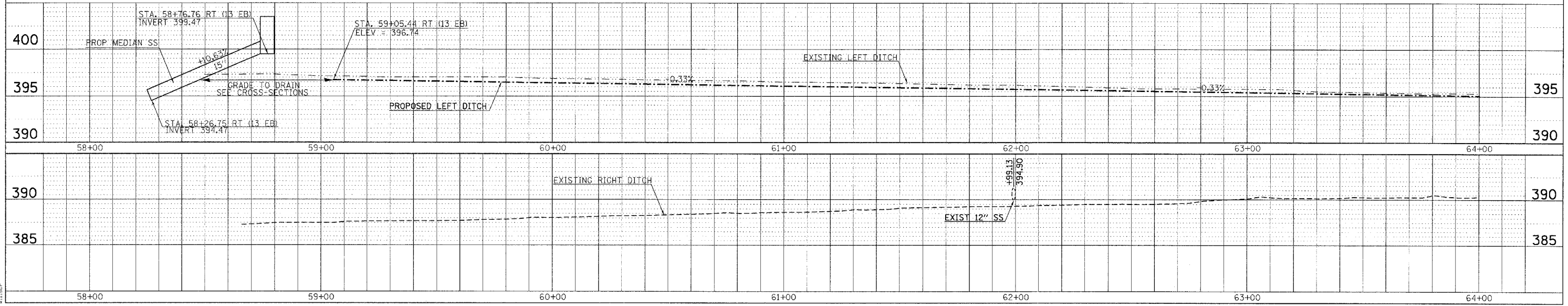
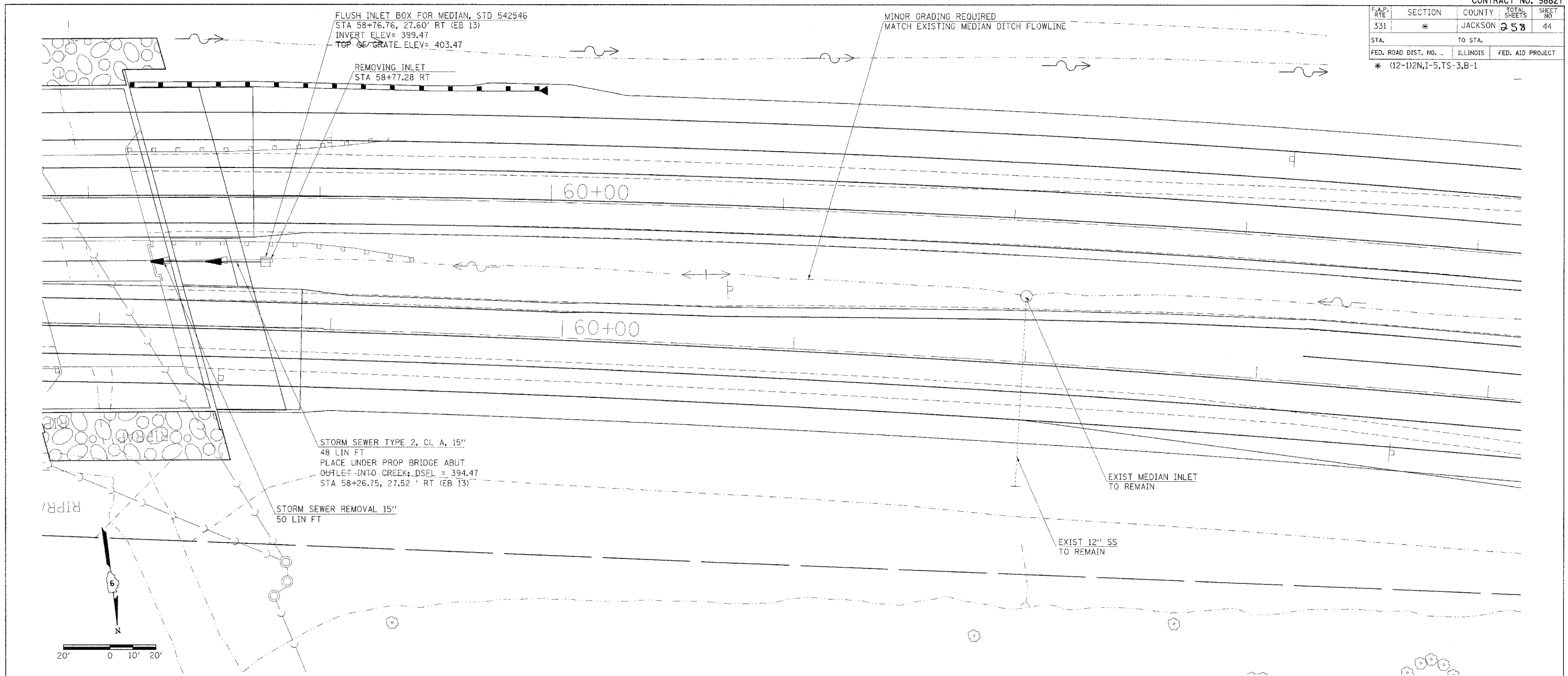
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F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	44
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,I-5,TS-3,B-1				



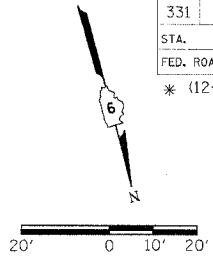
PLAN PROFILE - DRAINAGE (ILLINOIS 13)

PLAN
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 DATE
 CHECKED BY
 DATE
 NO. OF SHEETS
 NO. OF SHEETS CHECKED
 NO. OF SHEETS NOT CHECKED
 NO. OF SHEETS NOT CHECKED

PROFILE
 SERVED BY
 DATE
 CHECKED BY
 DATE
 NO. OF SHEETS
 NO. OF SHEETS CHECKED
 NO. OF SHEETS NOT CHECKED

2/15/2006
 28.0000
 11.148

F.A.P. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	45
STA. 331		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS		FED. AID PROJECT
* (12-1)2N,1-5,TS-3,B-1				



PLAN

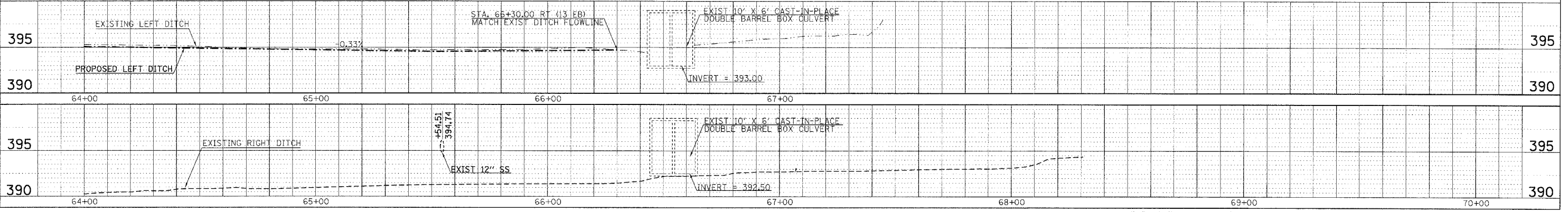
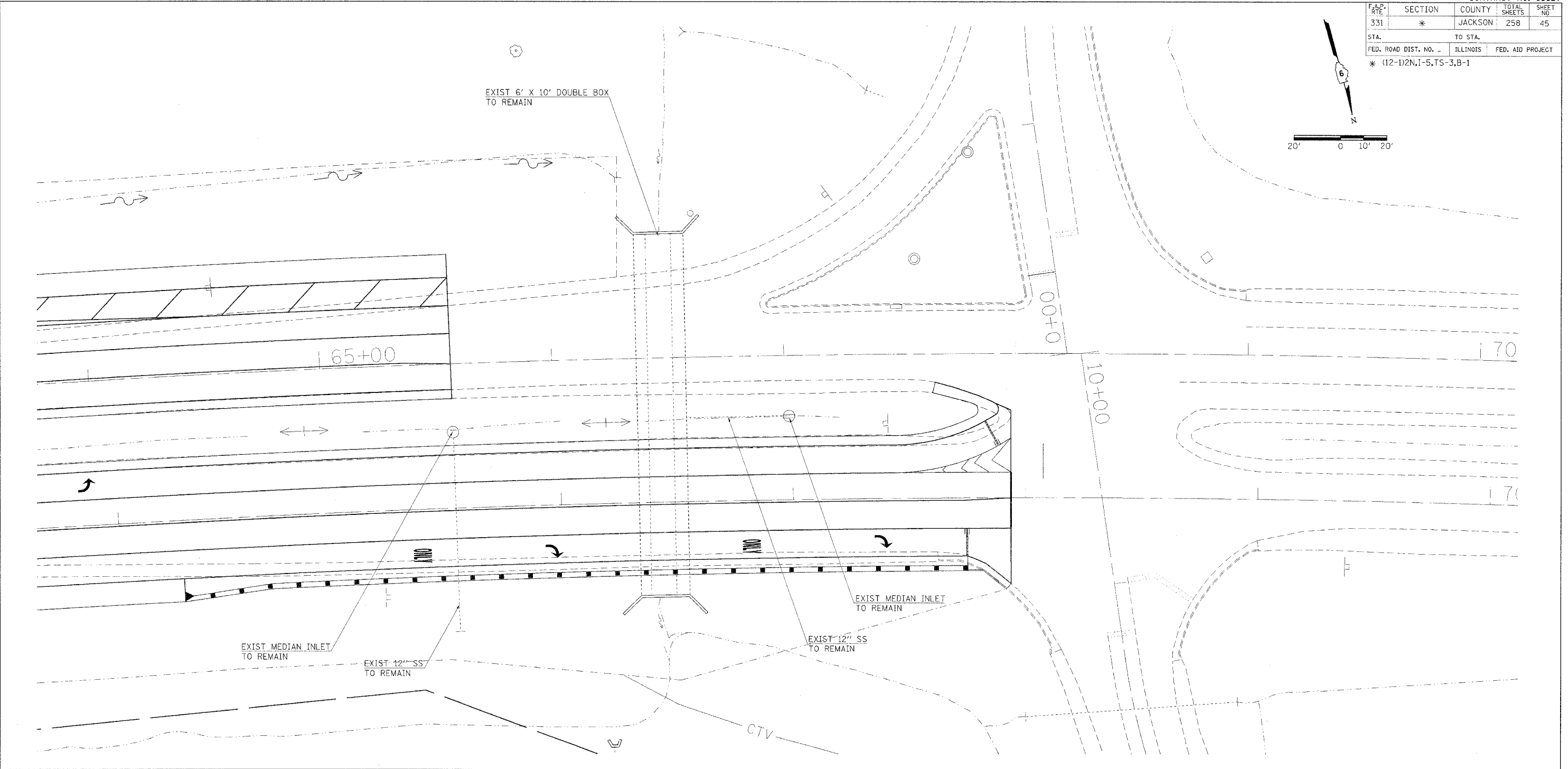
DATE	BY

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 CHECKED BY: _____
 NOTE BOOK NO.: _____
 NO. OF SHEETS: _____
 DATE FILED: _____

PROFILE

DATE	BY

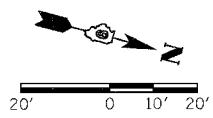
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 NO. OF SHEETS: _____
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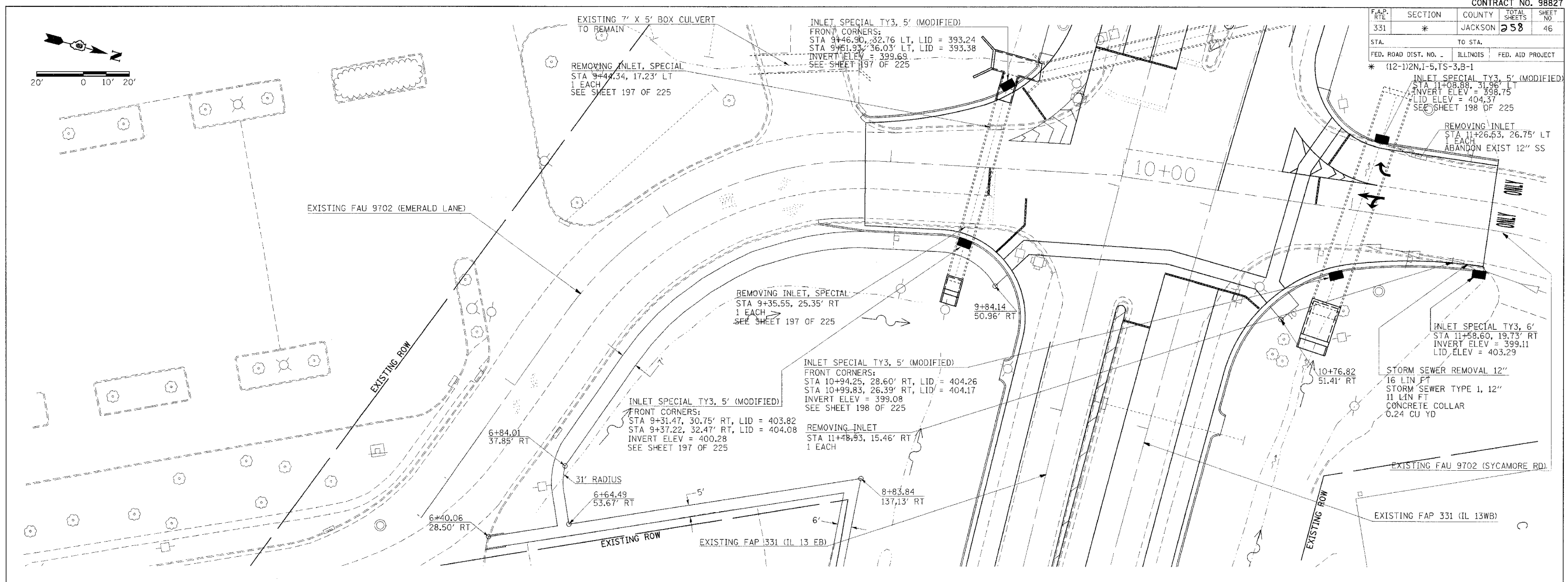
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PLAN PROFILE - DRAINAGE (ILLINOIS 13)

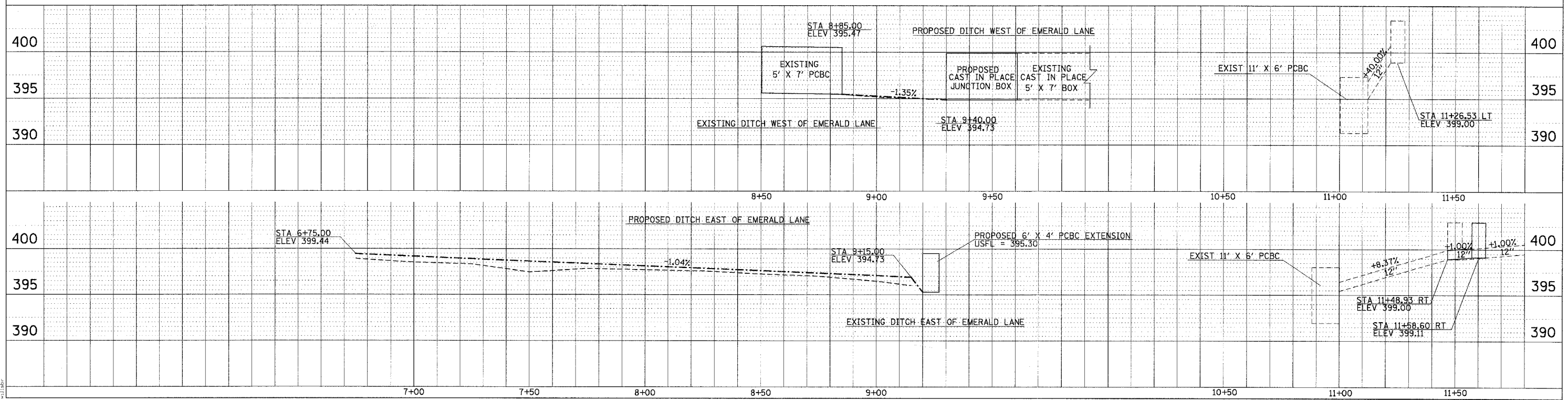
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	46
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (12-1)2N, I-5, TS-3, B-1				



PLAN	DATE
BY	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	
NO. 11	
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NO. 46	
NO. 47	
NO. 48	
NO. 49	
NO. 50	



PROFILE	DATE
BY	
NO. 1	
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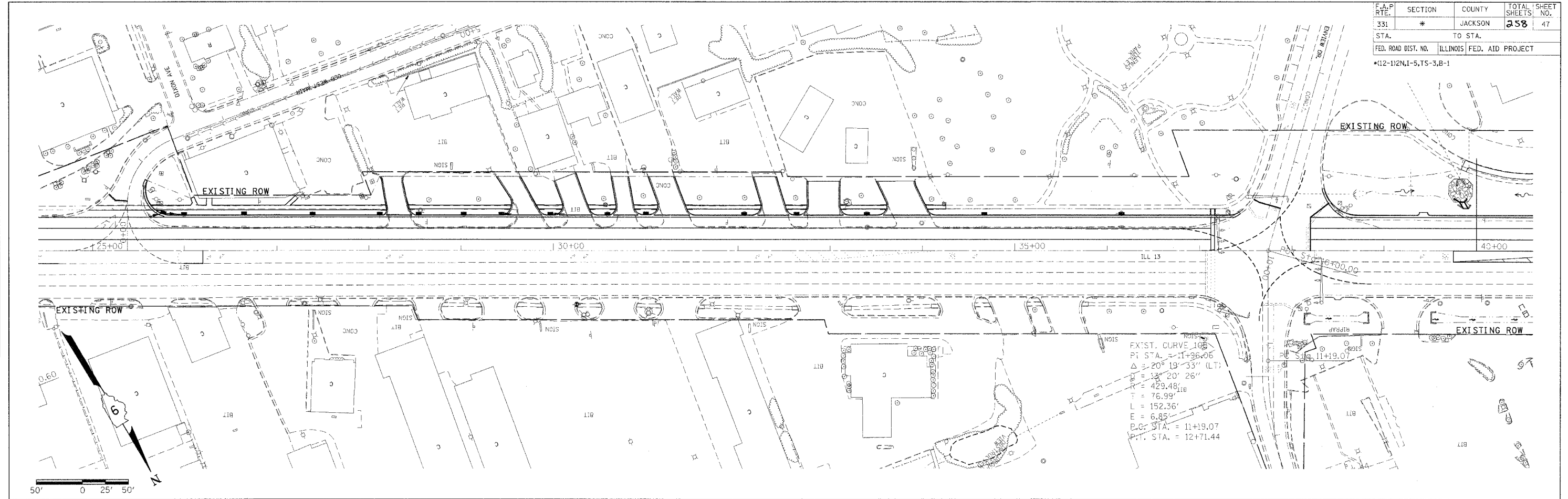


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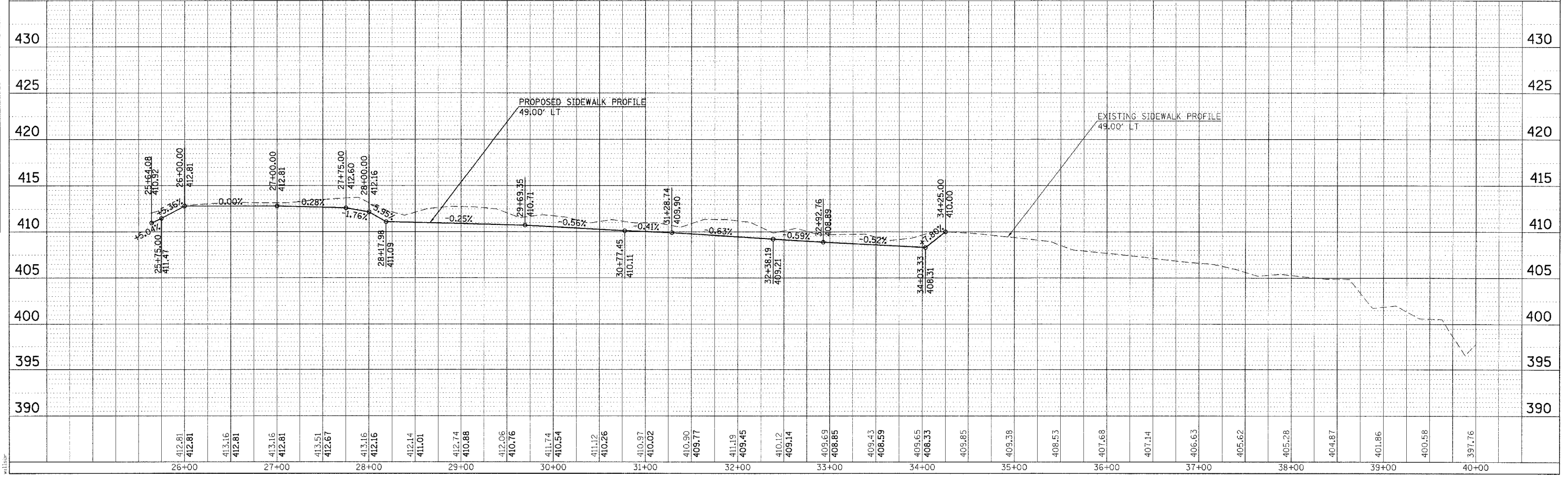
PLAN PROFILE - DRAINAGE (EMERALD /SYCAMORE)

CONTRACT NO.				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	#	JACKSON	258	47
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*112-112N1-5,TS-3,B-1				

PLAN	SURVEYED	BY	DATE
NOTE BOOK	ALIGNED	CHECKED	
NO.	NO.	NO.	



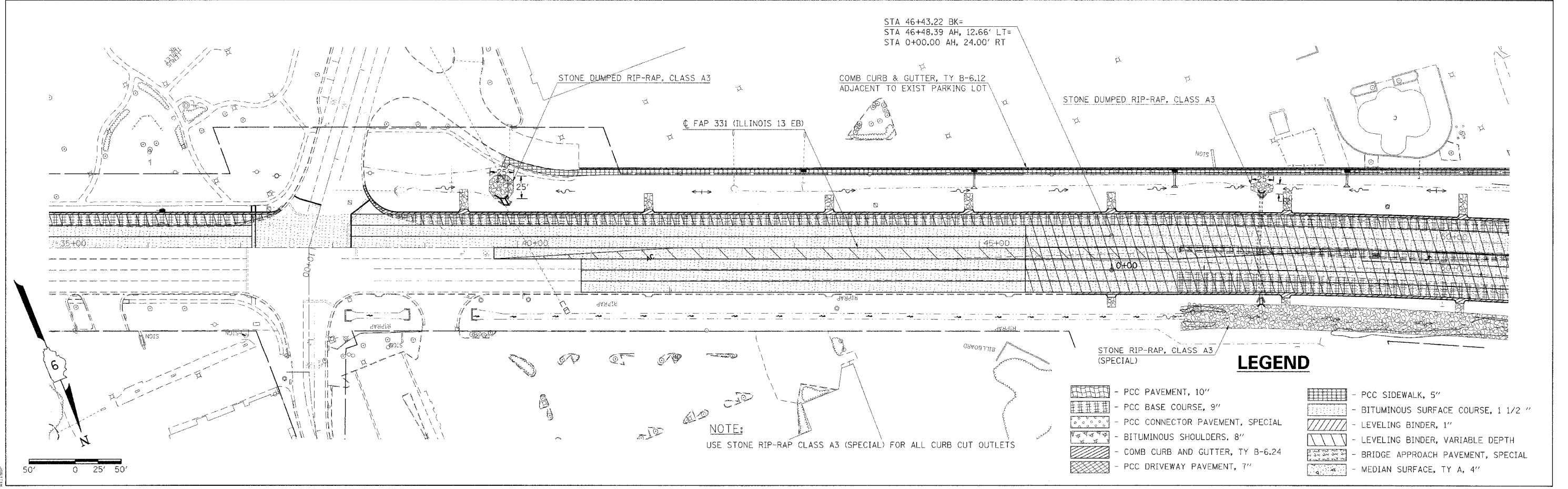
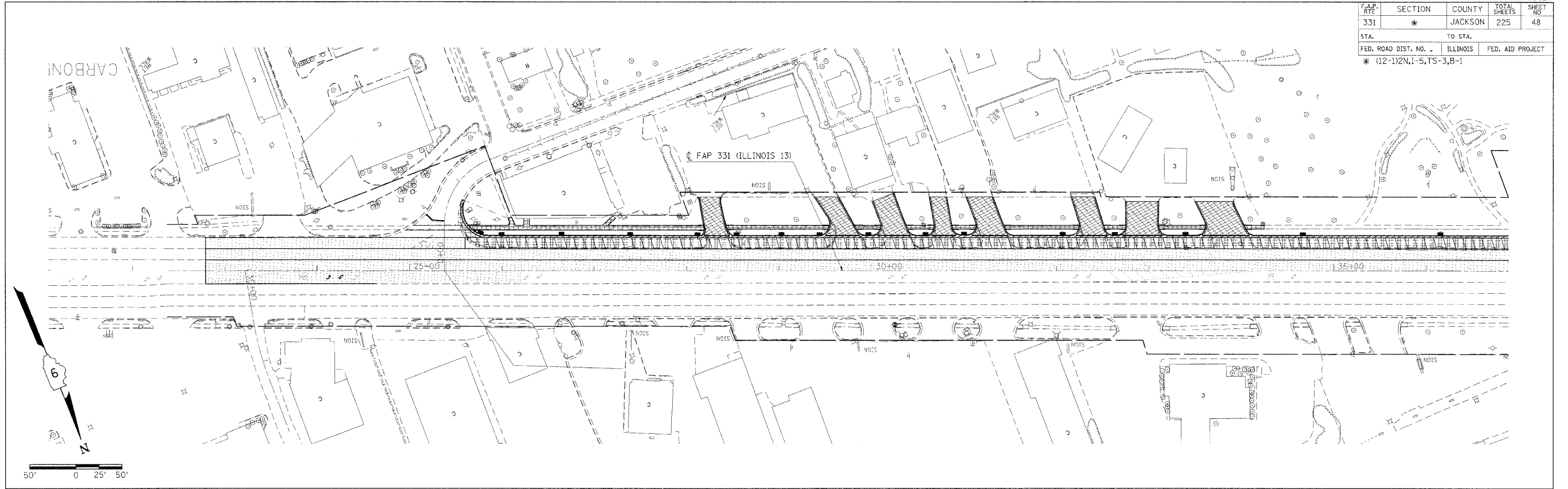
PROFILE	SURVEYED	BY	DATE
NOTE BOOK	GRADES	CHECKED	
NO.	NO.	NO.	



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 112N1-5

PLAN PROFILE - SIDEWALK (IL 13)

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	225	48
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,1-5,TS-3,B-1				



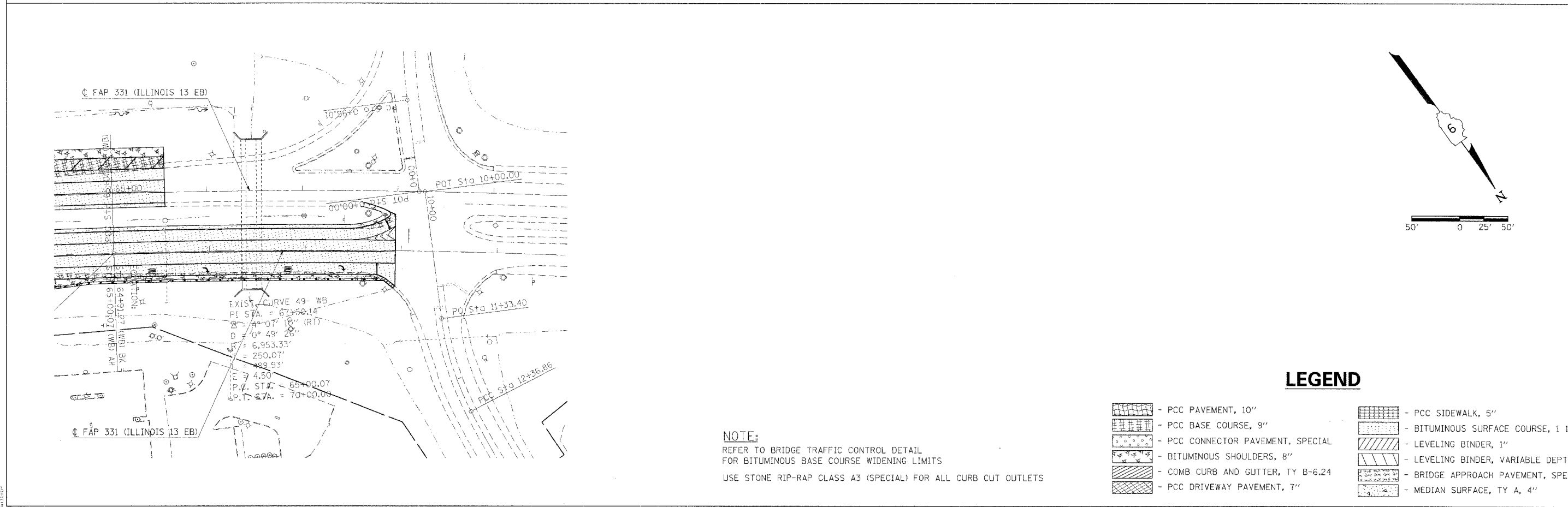
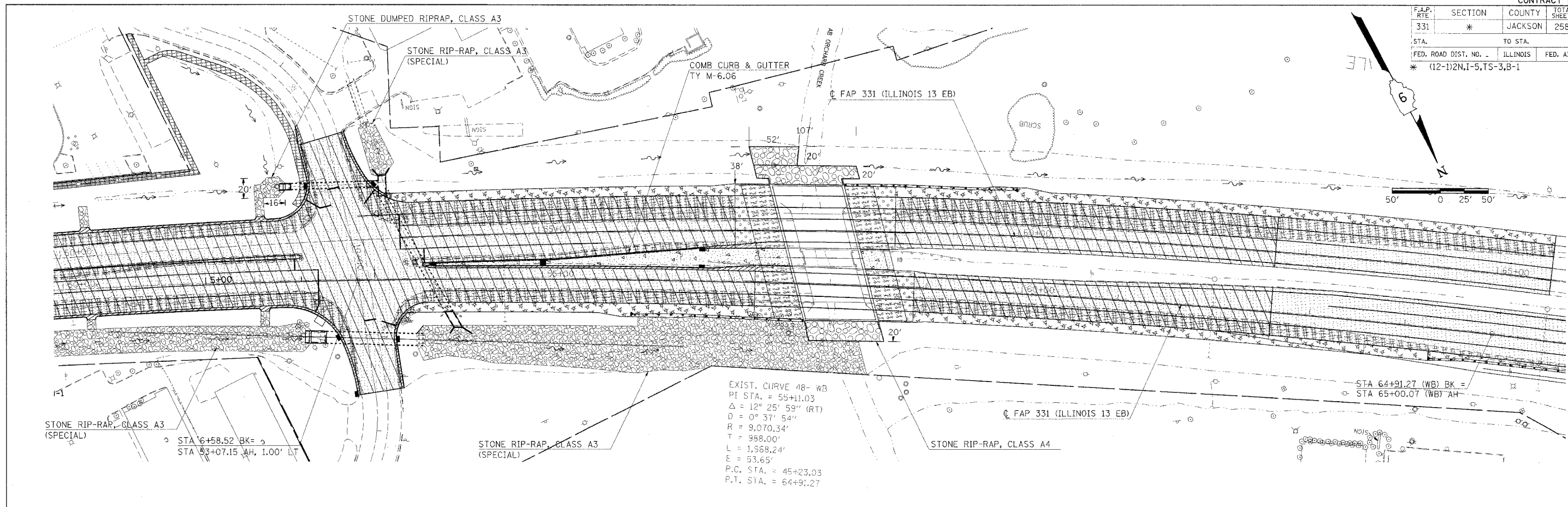
NOTE:
USE STONE RIP-RAP CLASS A3 (SPECIAL) FOR ALL CURB CUT OUTLETS

LEGEND

	- PCC PAVEMENT, 10"		- PCC SIDEWALK, 5"
	- PCC BASE COURSE, 9"		- BITUMINOUS SURFACE COURSE, 1 1/2"
	- PCC CONNECTOR PAVEMENT, SPECIAL		- LEVELING BINDER, 1"
	- BITUMINOUS SHOULDERS, 8"		- LEVELING BINDER, VARIABLE DEPTH
	- COMB CURB AND GUTTER, TY B-6.24		- BRIDGE APPROACH PAVEMENT, SPECIAL
	- PCC DRIVEWAY PAVEMENT, 7"		- MEDIAN SURFACE, TY A, 4"

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	49
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,I-5,TS-3,B-1				



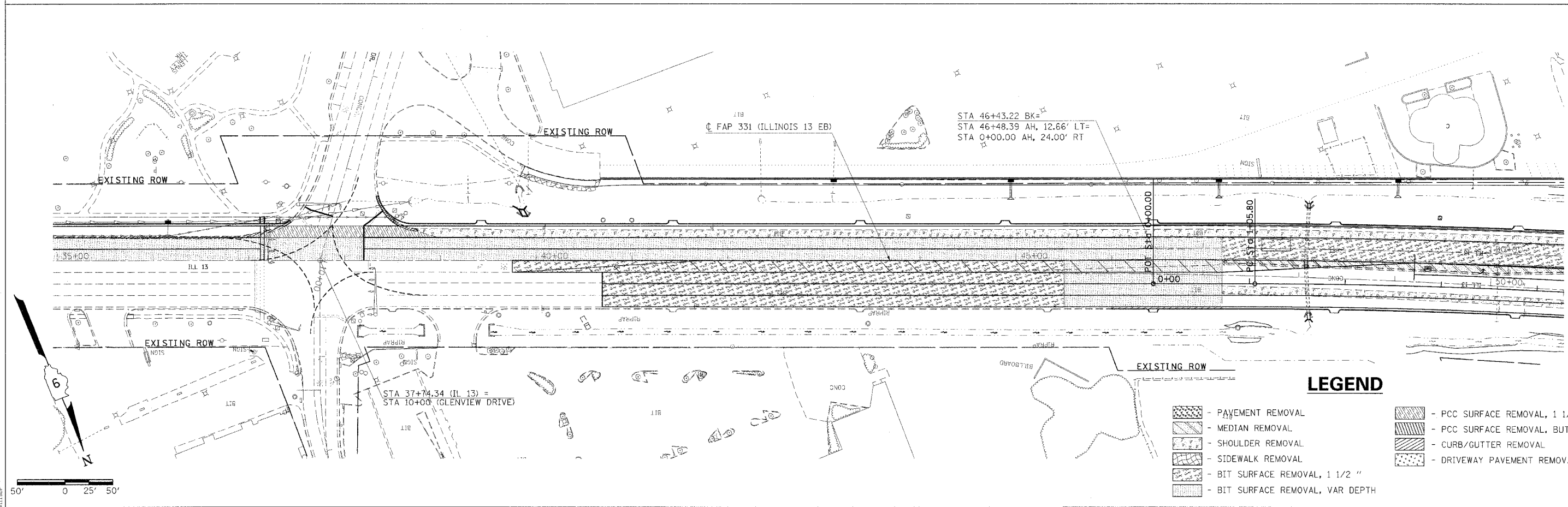
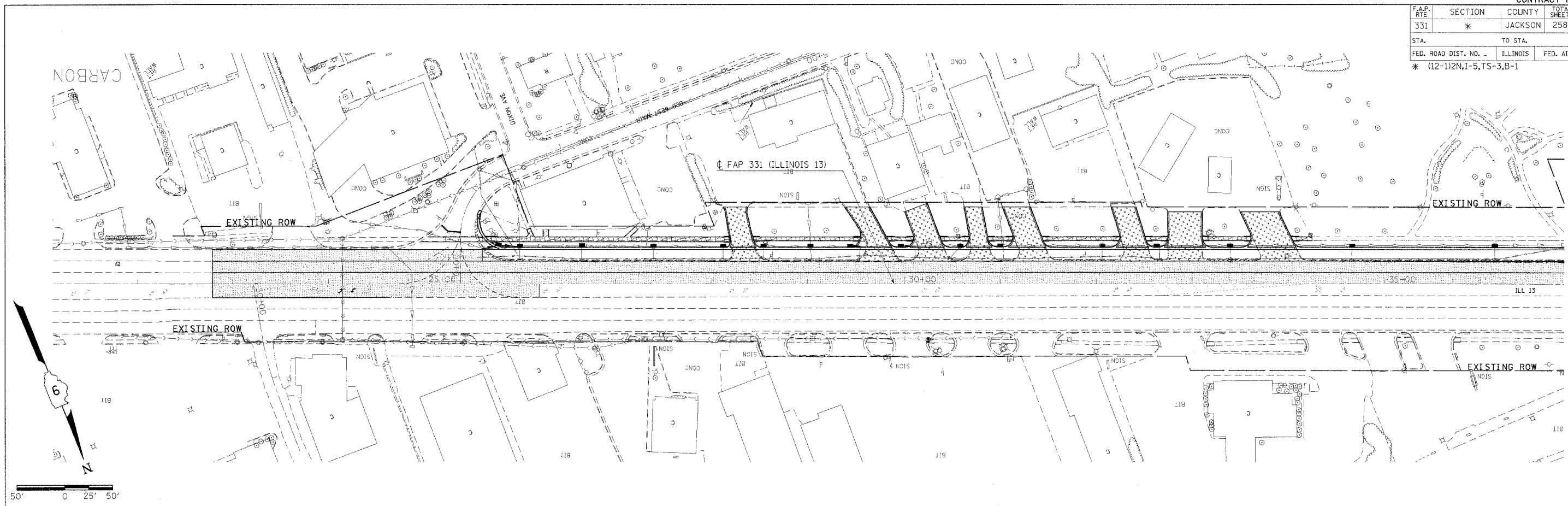
NOTE:
 REFER TO BRIDGE TRAFFIC CONTROL DETAIL FOR BITUMINOUS BASE COURSE WIDENING LIMITS
 USE STONE RIP-RAP CLASS A3 (SPECIAL) FOR ALL CURB CUT OUTLETS

LEGEND

	- PCC PAVEMENT, 10"		- PCC SIDEWALK, 5"
	- PCC BASE COURSE, 9"		- BITUMINOUS SURFACE COURSE, 1 1/2 "
	- PCC CONNECTOR PAVEMENT, SPECIAL		- LEVELING BINDER, 1"
	- BITUMINOUS SHOULDERS, 8"		- LEVELING BINDER, VARIABLE DEPTH
	- COMB CURB AND GUTTER, TY B-6.24		- BRIDGE APPROACH PAVEMENT, SPECIAL
	- PCC DRIVEWAY PAVEMENT, 7"		- MEDIAN SURFACE, TY A, 4"

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F.A.P. R/YE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	50
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
		* (12-1)2N,I-5,TS-3,B-1		



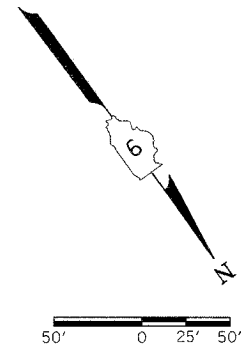
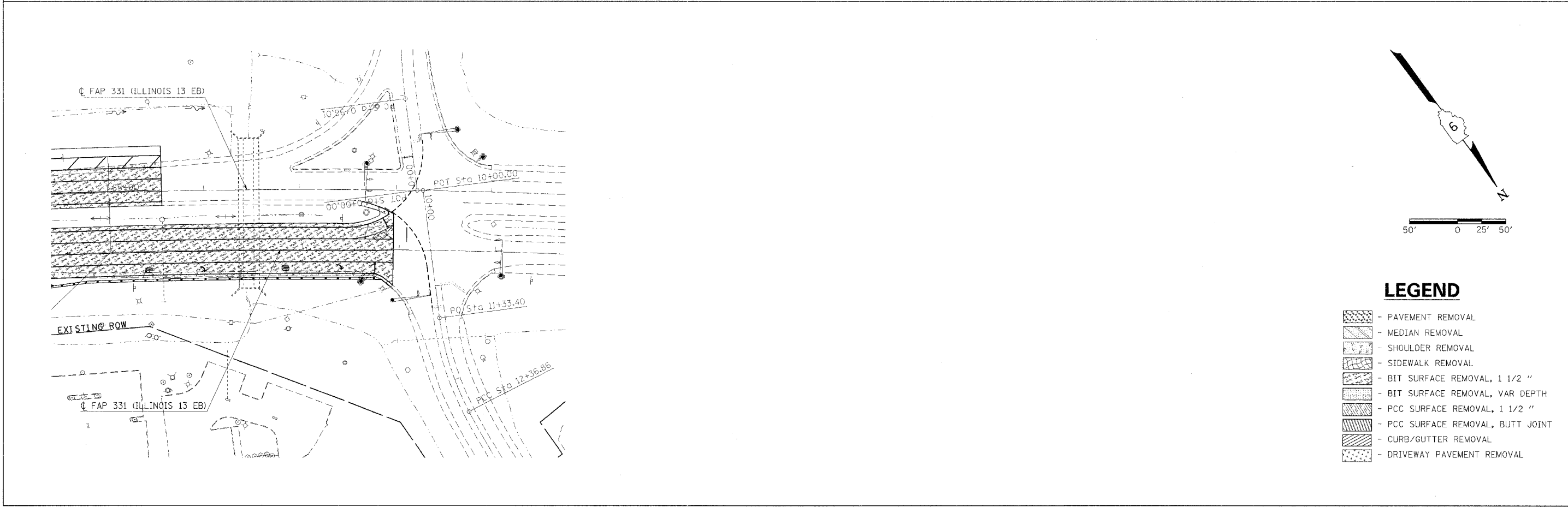
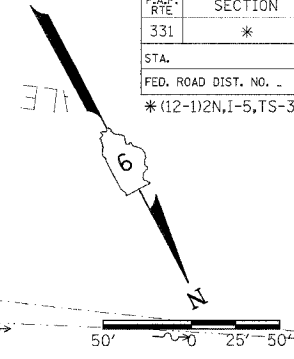
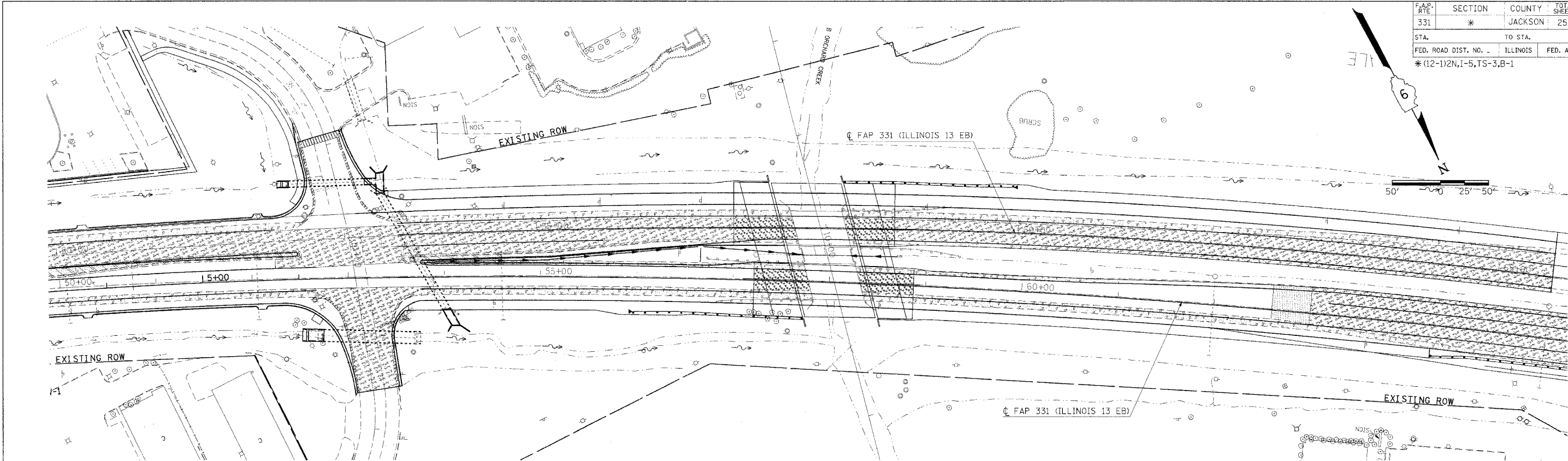
LEGEND

- PAVEMENT REMOVAL
- MEDIAN REMOVAL
- SHOULDER REMOVAL
- SIDEWALK REMOVAL
- BIT SURFACE REMOVAL, 1 1/2 "
- BIT SURFACE REMOVAL, VAR DEPTH
- PCC SURFACE REMOVAL, 1 1/2 "
- PCC SURFACE REMOVAL, BUTT JOINT
- CURB/GUTTER REMOVAL
- DRIVEWAY PAVEMENT REMOVAL

REMOVAL

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F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	51
STATION		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
*(12-1)2N,I-5,TS-3,B-1				

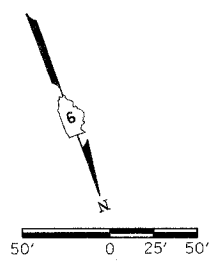
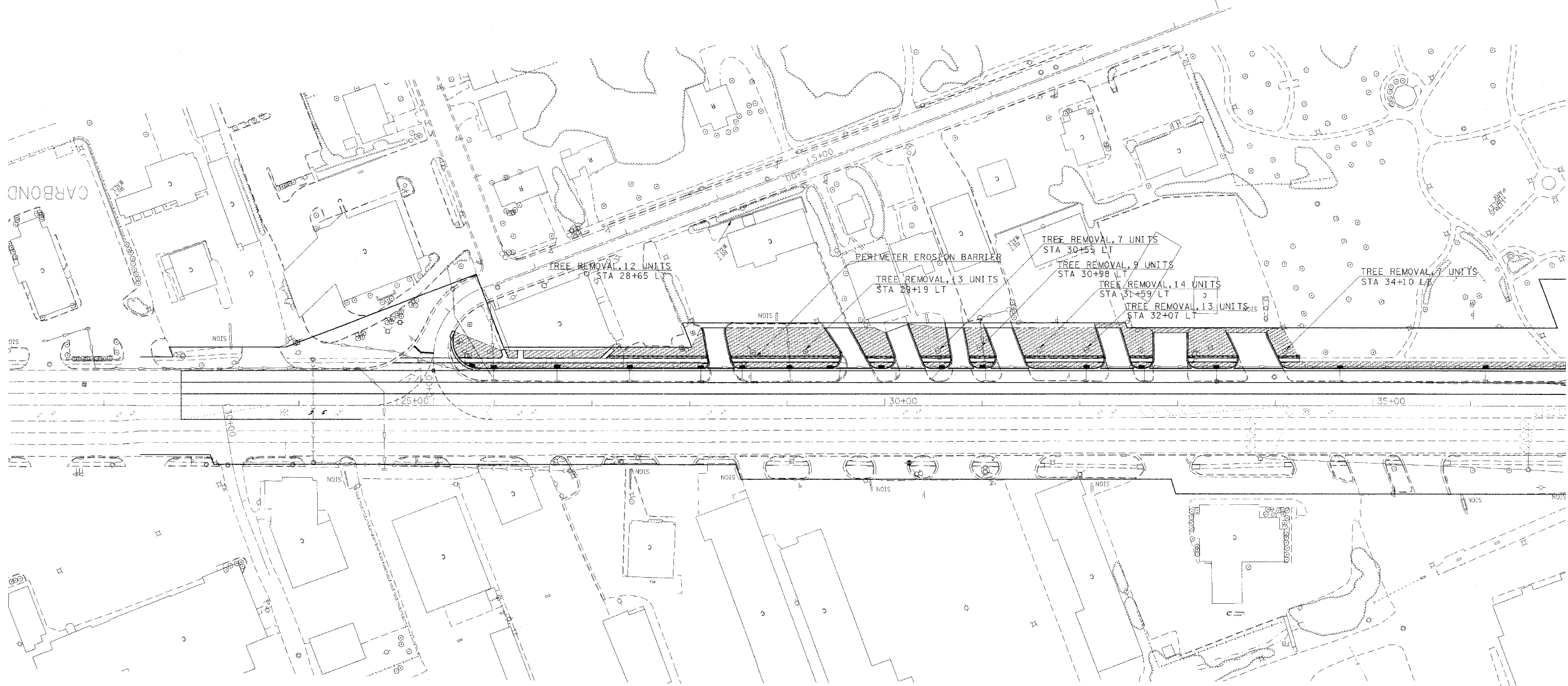



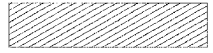


LEGEND

- PAVEMENT REMOVAL
- MEDIAN REMOVAL
- SHOULDER REMOVAL
- SIDEWALK REMOVAL
- BIT SURFACE REMOVAL, 1 1/2 "
- BIT SURFACE REMOVAL, VAR DEPTH
- PCC SURFACE REMOVAL, 1 1/2 "
- PCC SURFACE REMOVAL, BUTT JOINT
- CURB/GUTTER REMOVAL
- DRIVEWAY PAVEMENT REMOVAL

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	52
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,I-5,TS-3,B-1				

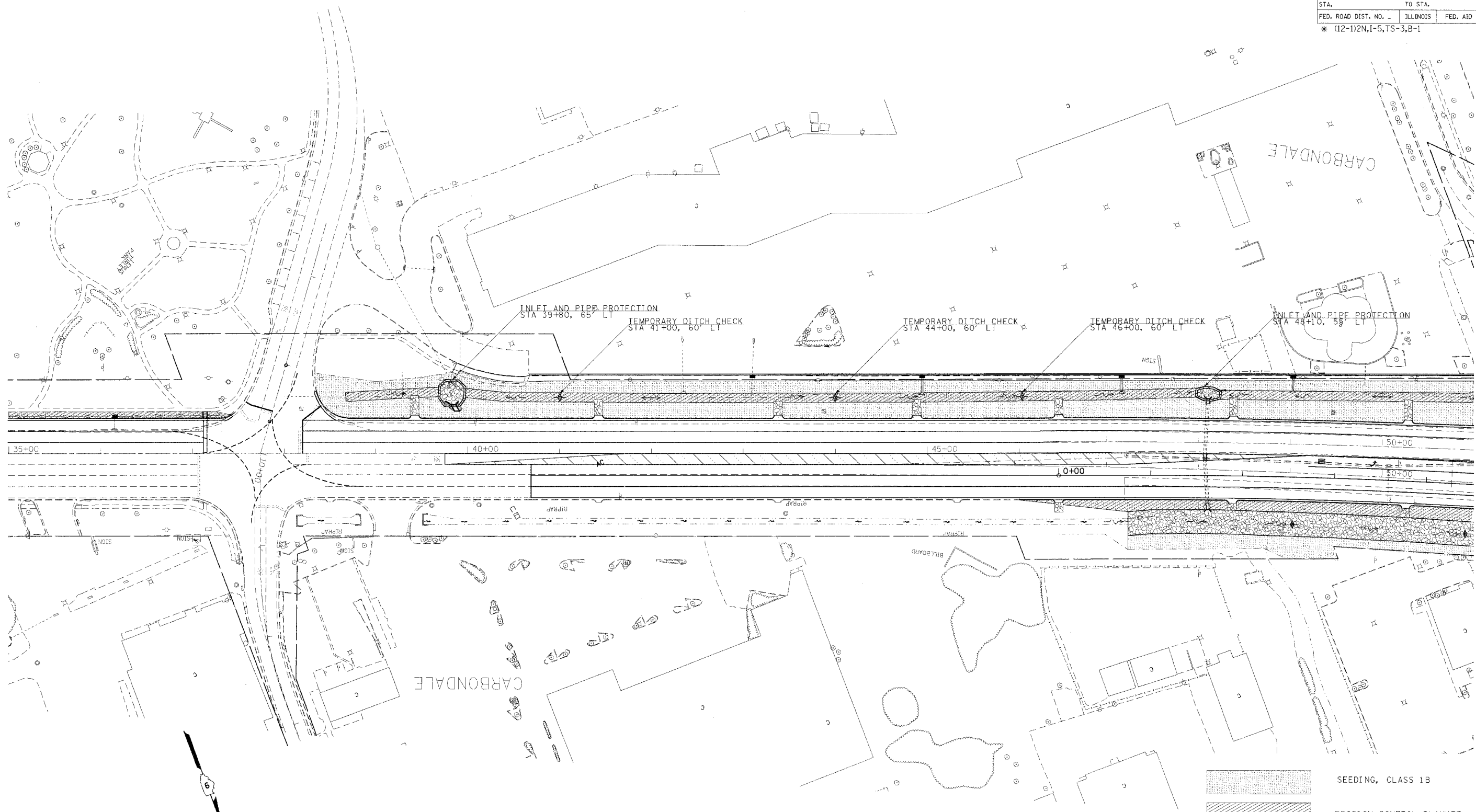






-  SEEDING, CLASS 1B
-  EROSION CONTROL BLANKET
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECKS

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EROSION CONTROL

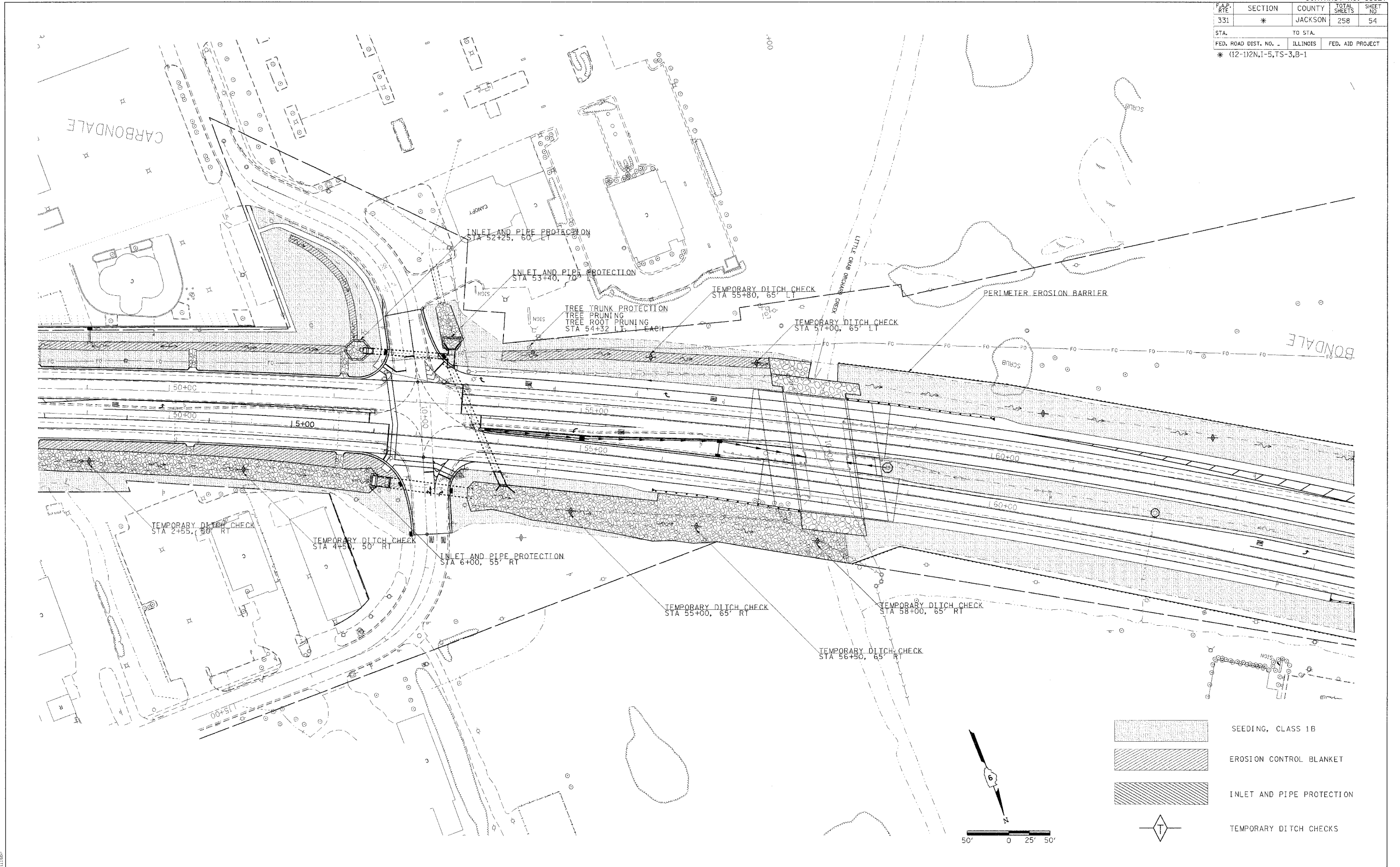
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331	*	JACKSON	258	53
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,1-5,TS-3,8-1				



-  SEEDING, CLASS 1B
-  EROSION CONTROL BLANKET
-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECKS

EROSION CONTROL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	54
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,1-5,TS-3,B-1				

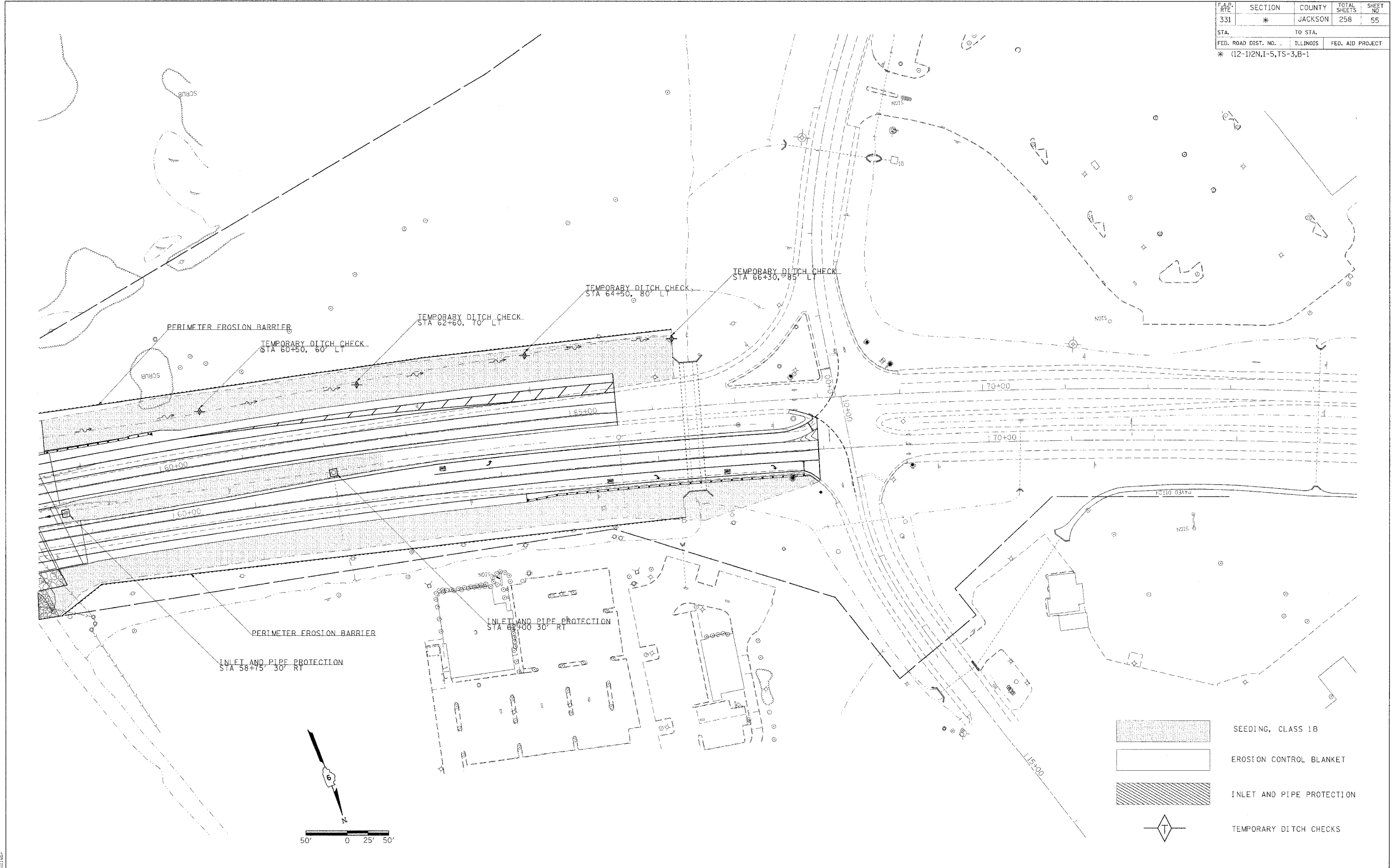






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	EROSION CONTROL BLANKET
	INLET AND PIPE PROTECTION
	TEMPORARY DITCH CHECKS

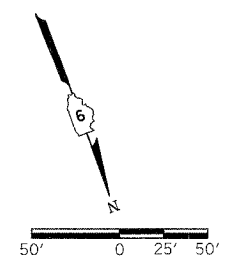
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EROSION CONTROL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	55
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,I-5,TS-3,B-1				



	SEEDING, CLASS 1B
	EROSION CONTROL BLANKET
	INLET AND PIPE PROTECTION
	TEMPORARY DITCH CHECKS

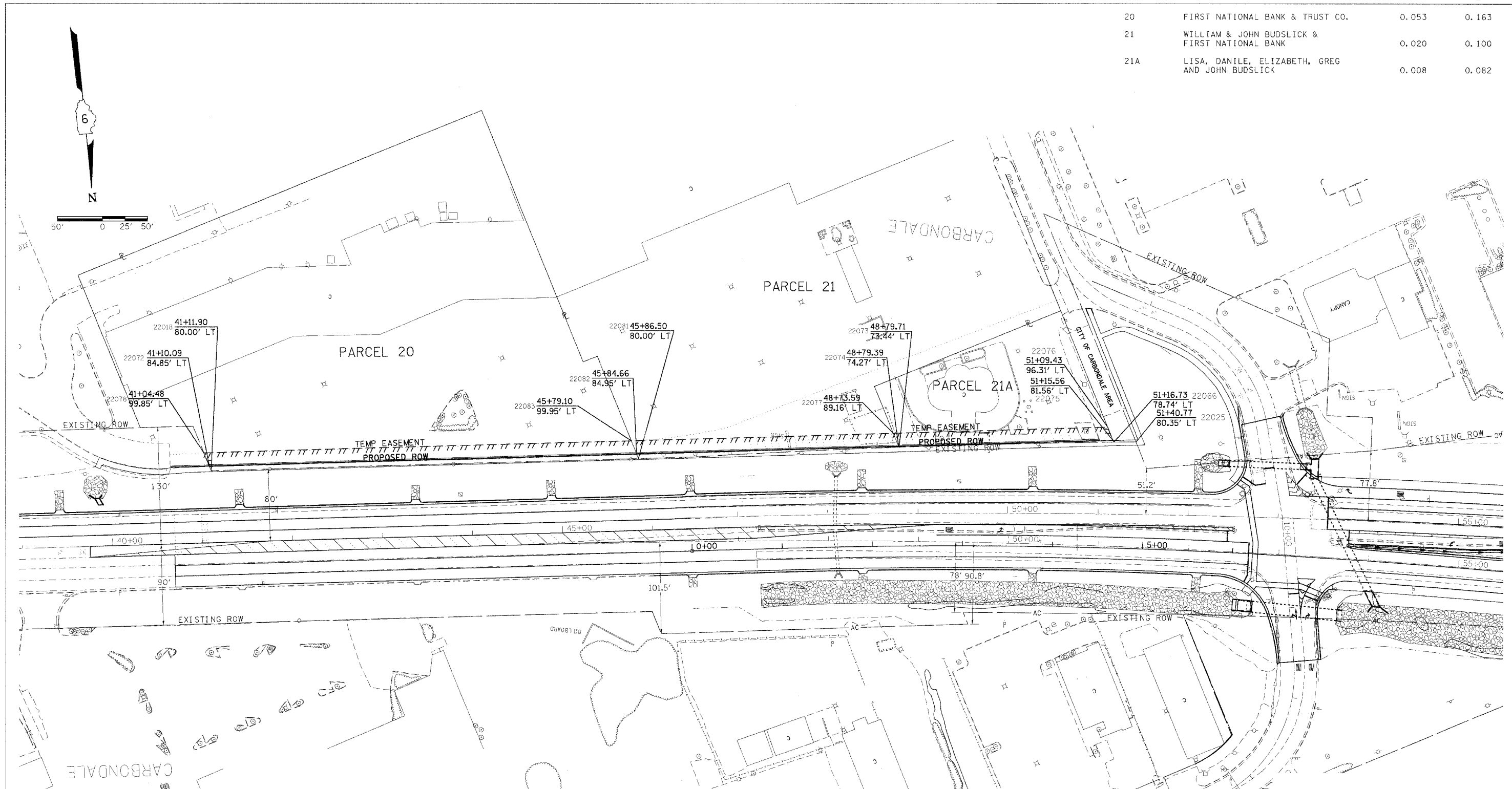


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EROSION CONTROL

PARCEL NO.	NAME	ACREAGE:	ROW	TE
20	FIRST NATIONAL BANK & TRUST CO.	0.053		0.163
21	WILLIAM & JOHN BUDSLICK & FIRST NATIONAL BANK	0.020		0.100
21A	LISA, DANILE, ELIZABETH, GREG AND JOHN BUDSLICK	0.008		0.082

REVISY BY _____ DATE _____
 DRAWN BY _____ DATE _____



POINT COORDINATES

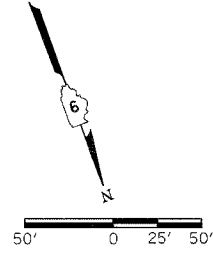
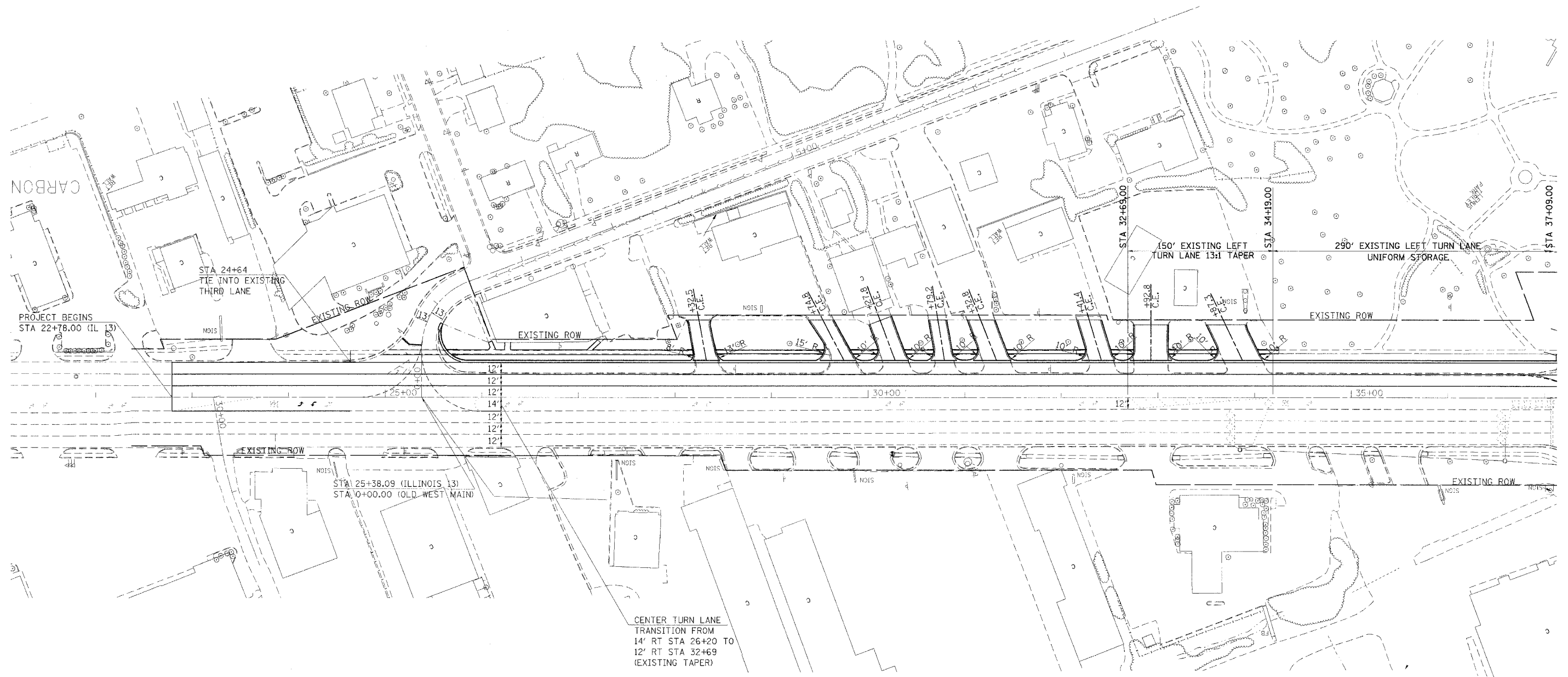
STA 41+11.90	PT# 22018	X 722467.24	Y 387843.45
STA 51+40.77	PT# 22025	X 721512.93	Y 388223.19
STA 51+16.73	PT# 22066	X 721535.66	Y 388214.69
STA 51+15.56	PT# 22075	X 721535.58	Y 388211.64
STA 51+09.43	PT# 22076	X 721535.17	Y 388195.64
STA 41+10.09	PT# 22072	X 722467.11	Y 387838.28
STA 10+50.00	PT# 22073	X 721756.54	Y 388123.97
STA 10+50.00	PT# 22074	X 721756.51	Y 388123.09
STA 10+50.00	PT# 22077	X 721756.10	Y 388107.09
STA 10+50.00	PT# 22078	X 722466.74	Y 387822.27
STA 10+50.00	PT# 22081	X 722026.75	Y 388020.11
STA 10+50.00	PT# 22082	X 722026.61	Y 388014.83
STA 10+50.00	PT# 22083	X 722026.19	Y 387998.84

RIGHT OF WAY PLANS
FAP ROUTE 331
 PROJECT NON-FA SECTION (12-1)TS,1-5
 STATION 40+00 TO 55+00
 COUNTY JACKSON
 SCALE 1"=50' SHEET OF

JOB NO.: R-99-002-03

2/23/2016
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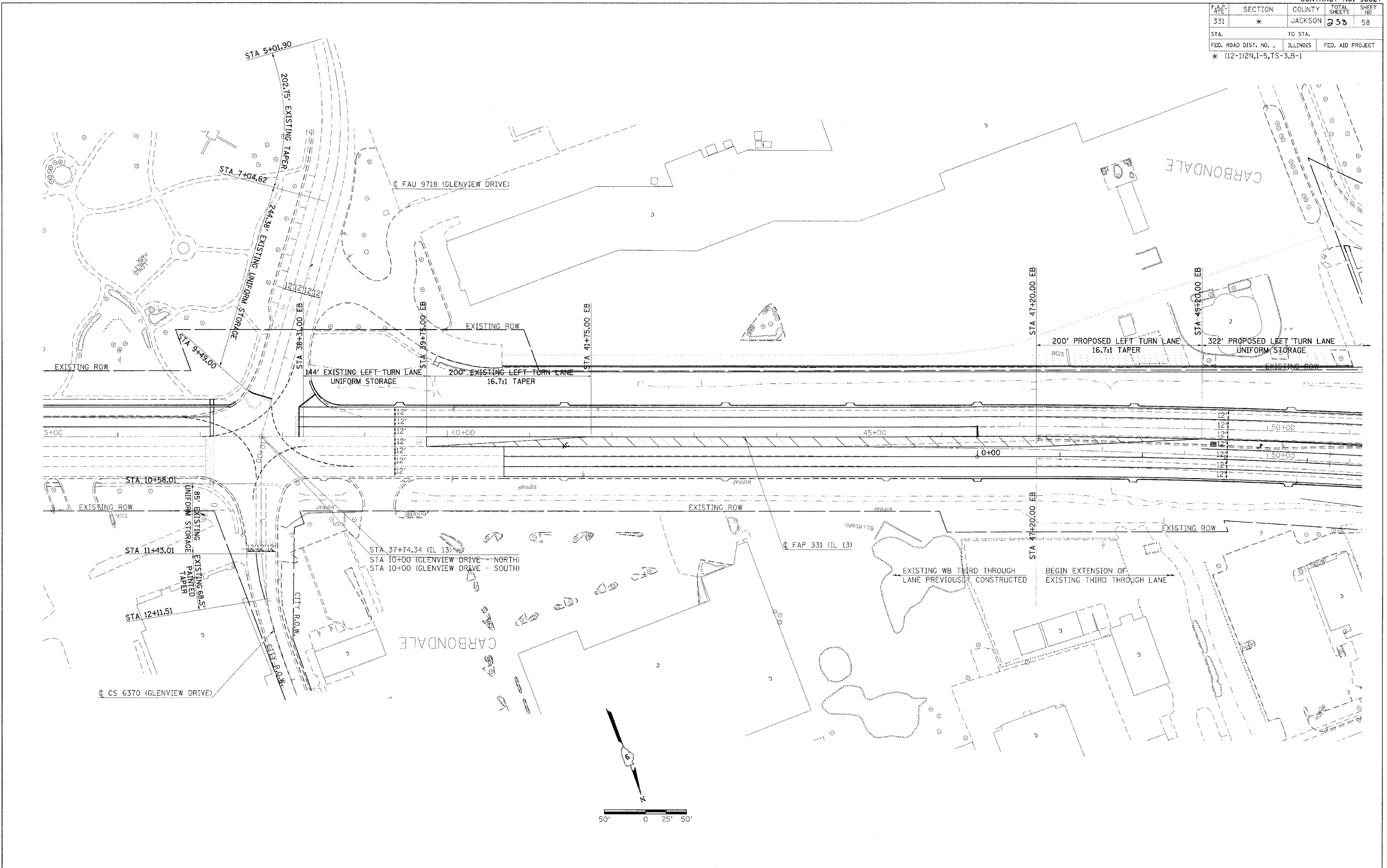
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	57
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (12-1)2N, I-5, TS-3, B-1				



CENTER TURN LANE
 TRANSITION FROM
 14' RT STA 26+20 TO
 12' RT STA 32+69
 (EXISTING TAPER)

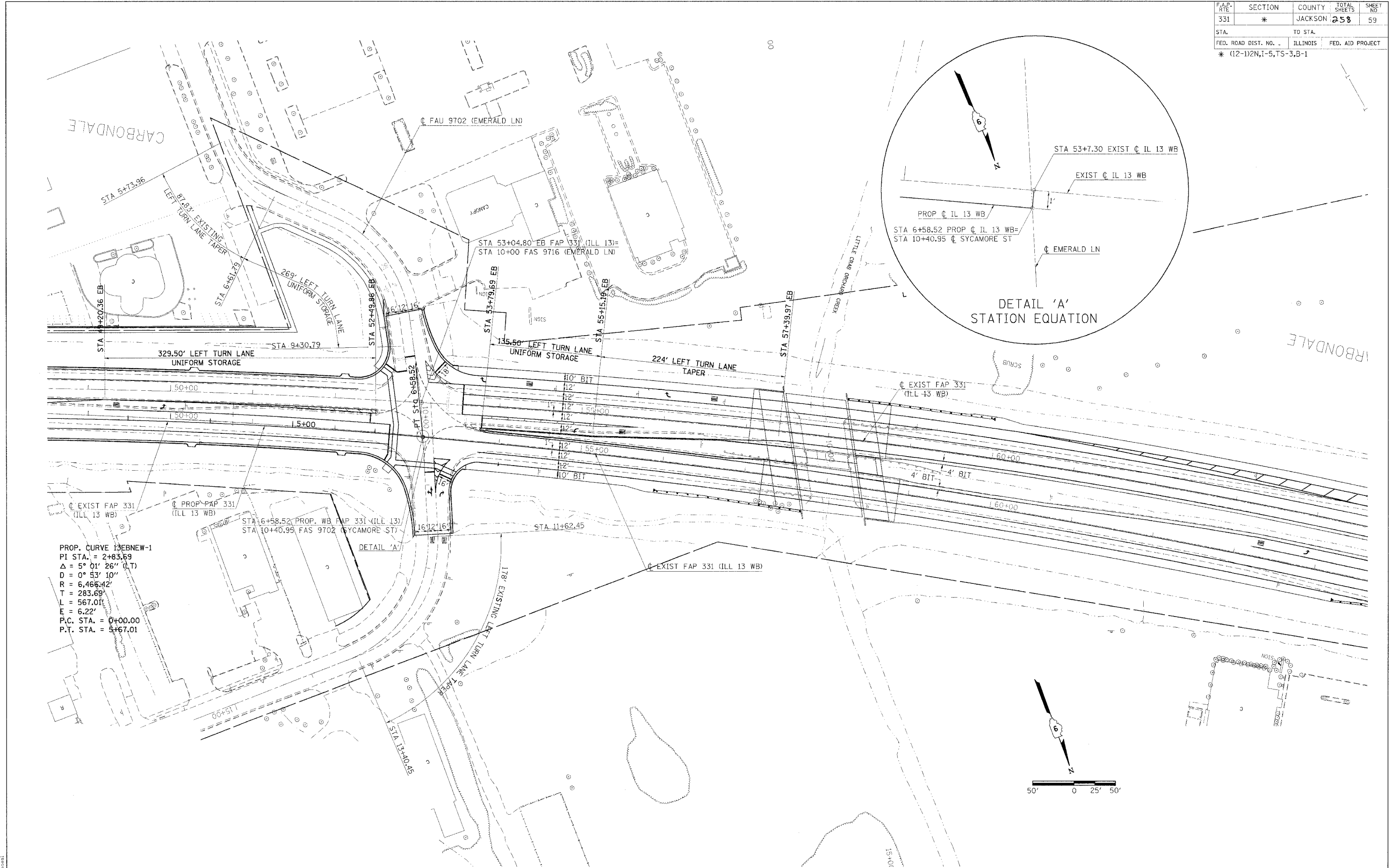
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	58
STA. TO STA.		ILLINOIS FED. AID PROJECT		
* (12-1)2N,1-5,TS-3,B-1				

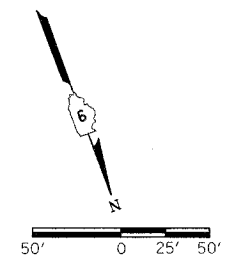
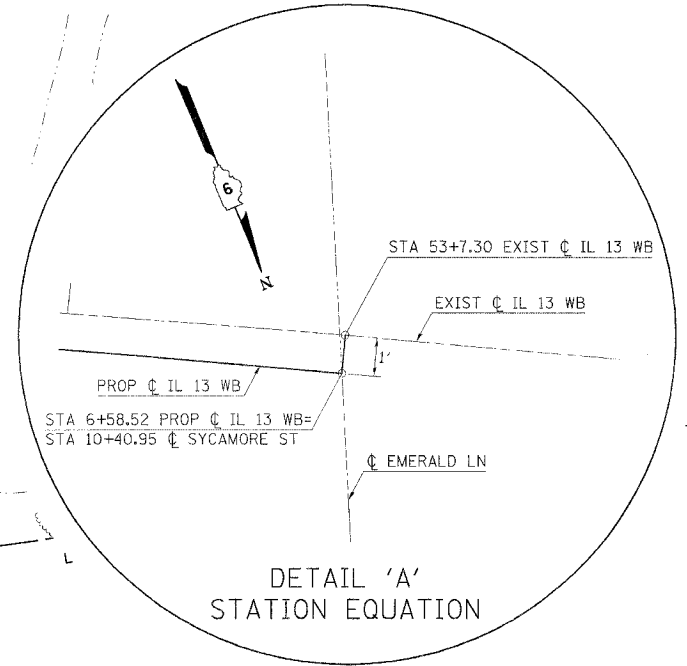


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F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	59
STA. TO STA.		ILLINOIS FED. AID PROJECT		
* (12-1)2N,1-5,TS-3,B-1				

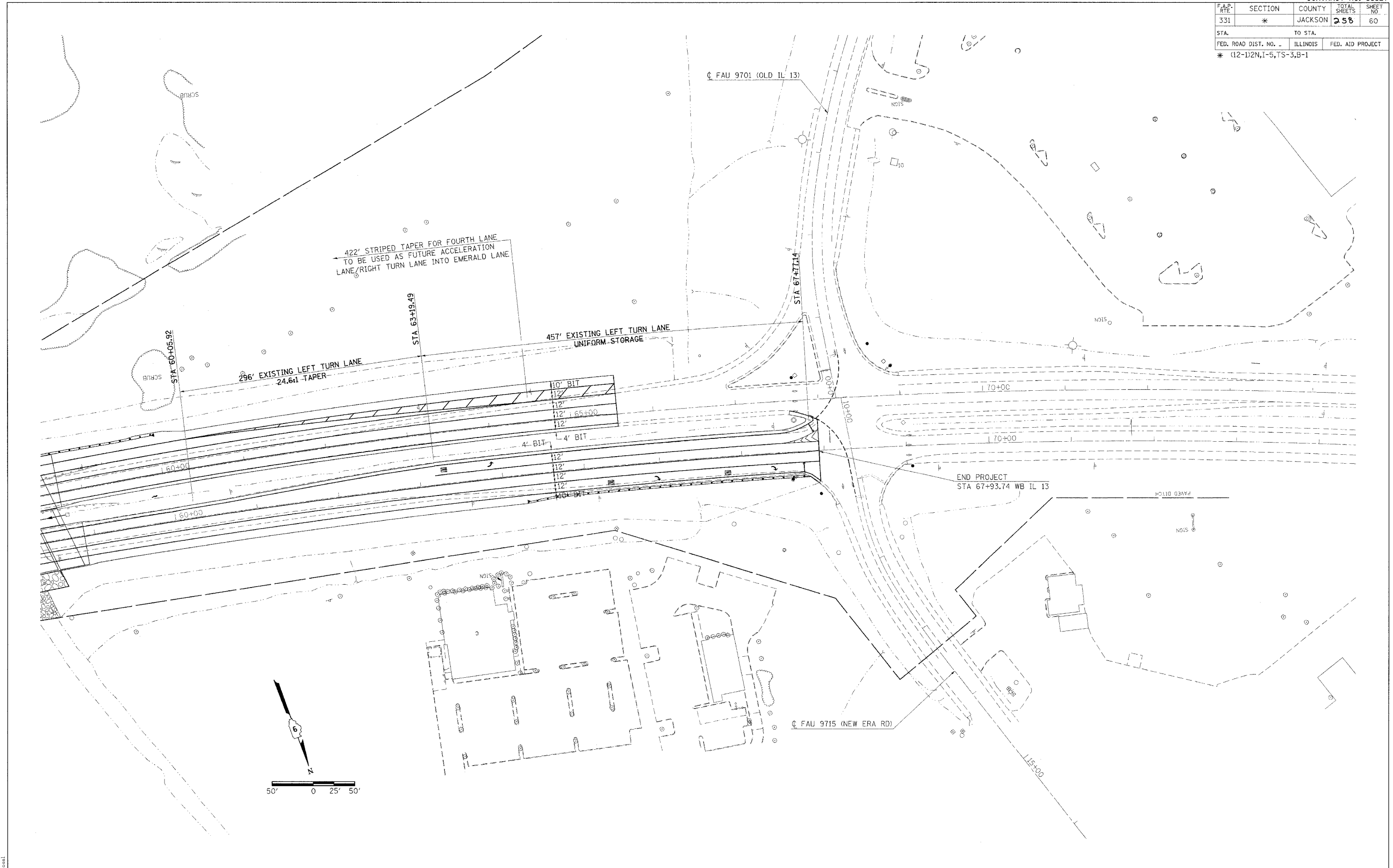


PROP. CURVE 13EBNEW-1
 PI STA. = 2+83.69
 $\Delta = 5^\circ 01' 26''$ (I.T.)
 $D = 0^\circ 53' 10''$
 $R = 6,466.42'$
 $T = 283.69'$
 $L = 567.01'$
 $E = 6.22'$
 P.C. STA. = 0+00.00
 P.T. STA. = 5+67.01



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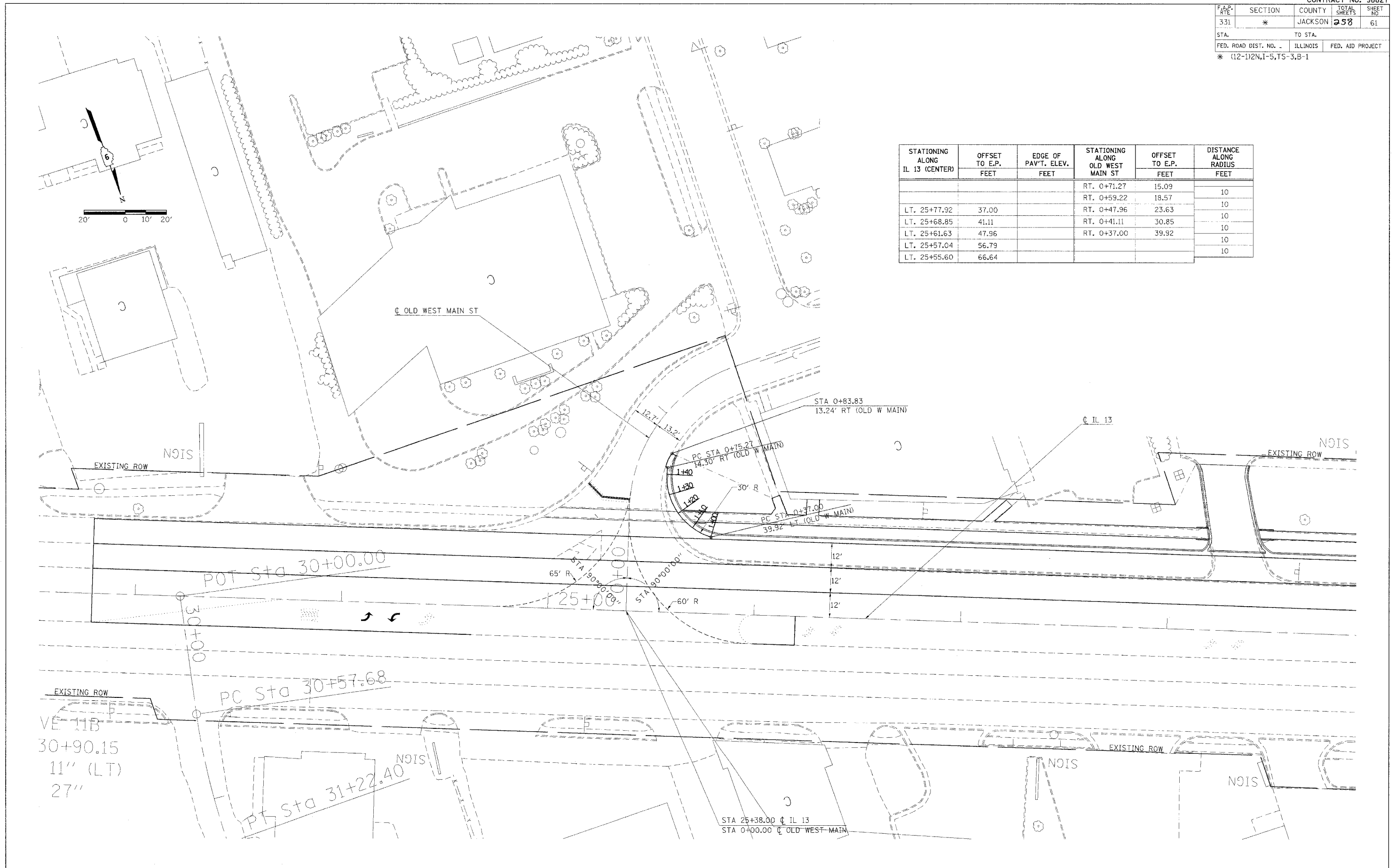
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	60
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,I-5,TS-3,B-1				



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F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	61
STA. TO STA.				
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,I-5,TS-3,B-1				

STATIONING ALONG IL 13 (CENTER)	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG OLD WEST MAIN ST	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET
			RT. 0+71.27	15.09	10
			RT. 0+59.22	18.57	10
LT. 25+77.92	37.00		RT. 0+47.96	23.63	10
LT. 25+68.85	41.11		RT. 0+41.11	30.85	10
LT. 25+61.63	47.96		RT. 0+37.00	39.92	10
LT. 25+57.04	56.79				10
LT. 25+55.60	66.64				10

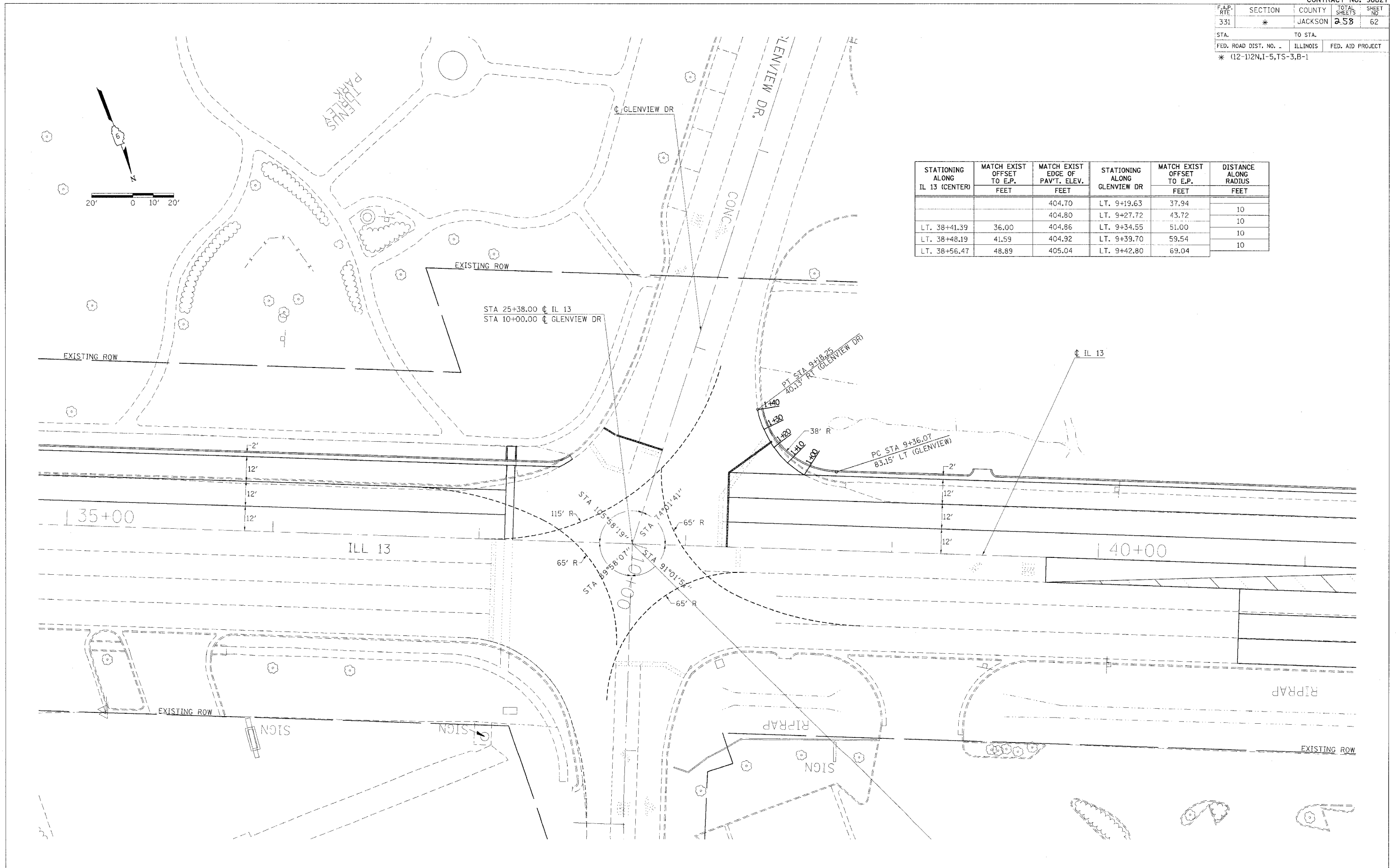


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GEOMETRICS - OLD WEST MAIN ST

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	62
STA. TO STA.				
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,I-5,TS-3,B-1				

STATIONING ALONG ILL 13 (CENTER)	MATCH EXIST OFFSET TO E.P. FEET	MATCH EXIST EDGE OF PAV'T. ELEV. FEET	STATIONING ALONG GLENVIEW DR	MATCH EXIST OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET
		404.70	LT. 9+19.63	37.94	10
		404.80	LT. 9+27.72	43.72	10
LT. 38+41.39	36.00	404.86	LT. 9+34.55	51.00	10
LT. 38+48.19	41.59	404.92	LT. 9+39.70	59.54	10
LT. 38+56.47	48.89	405.04	LT. 9+42.80	69.04	10



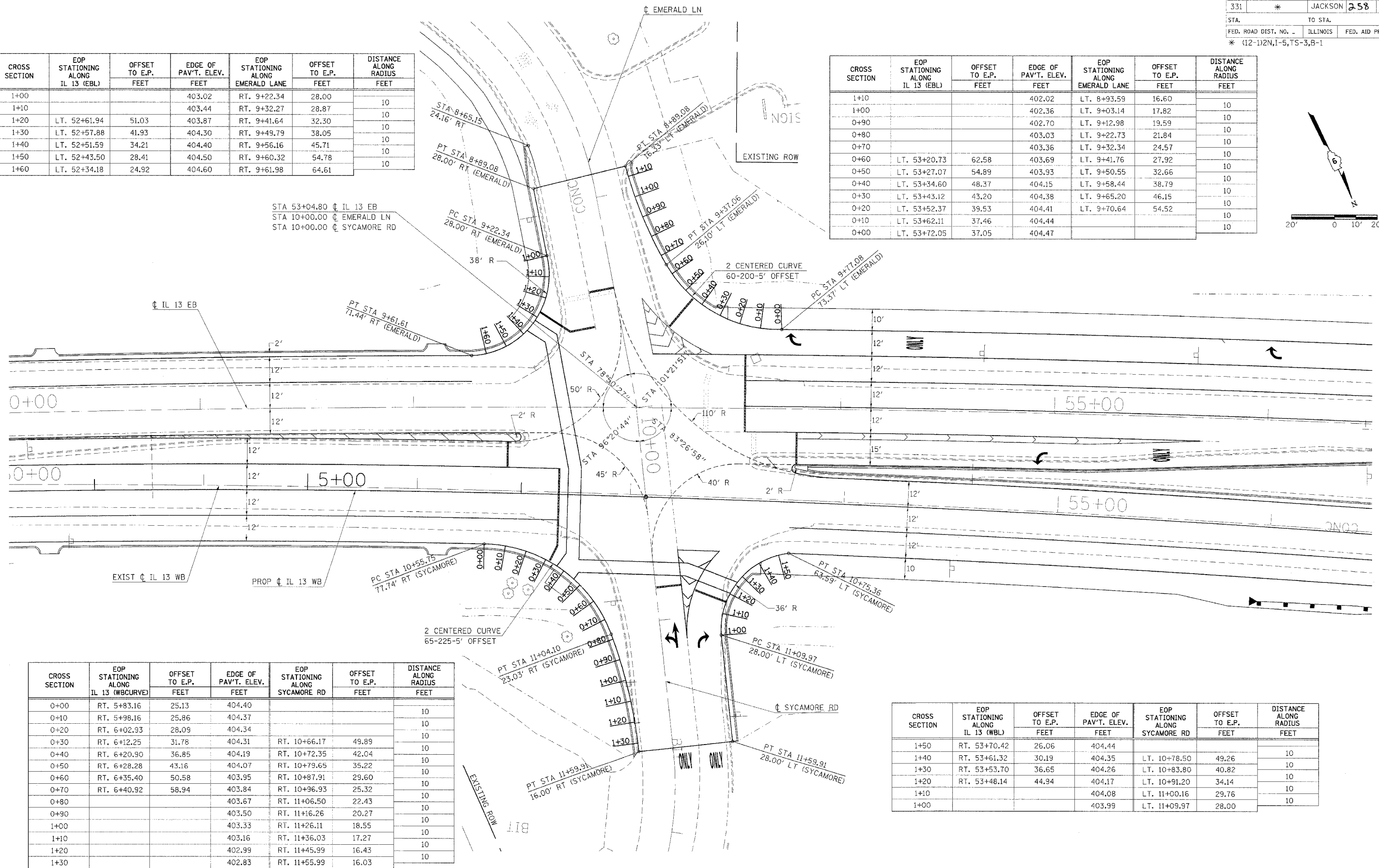
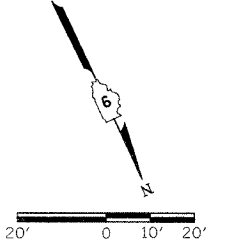
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GEOMETRICS - OLD WEST MAIN ST

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	63
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,1-5,TS-3,B-1				

CROSS SECTION	EOP STATIONING ALONG IL 13 (EBL)	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	EOP STATIONING ALONG EMERALD LANE	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET
1+00			403.02	RT. 9+22.34	28.00	
1+10			403.44	RT. 9+32.27	28.87	10
1+20	LT. 52+61.94	51.03	403.87	RT. 9+41.64	32.30	10
1+30	LT. 52+57.88	41.93	404.30	RT. 9+49.79	38.05	10
1+40	LT. 52+51.59	34.21	404.40	RT. 9+56.16	45.71	10
1+50	LT. 52+43.50	28.41	404.50	RT. 9+60.32	54.78	10
1+60	LT. 52+34.18	24.92	404.60	RT. 9+61.98	64.61	10

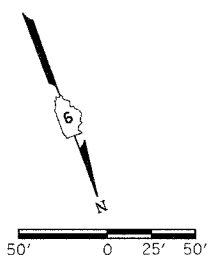
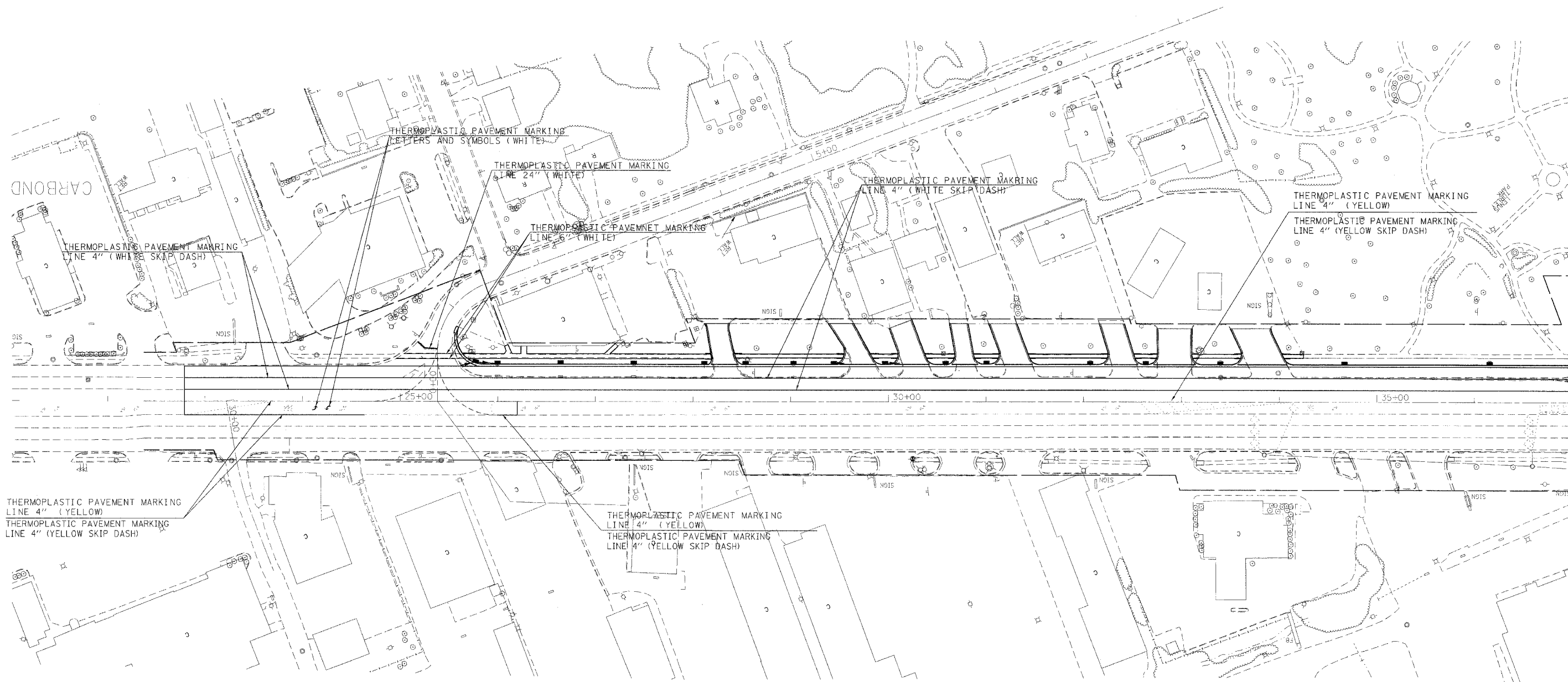
CROSS SECTION	EOP STATIONING ALONG IL 13 (EBL)	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	EOP STATIONING ALONG EMERALD LANE	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET
1+10			402.02	LT. 8+93.59	16.60	
1+00			402.36	LT. 9+03.14	17.82	10
0+90			402.70	LT. 9+12.98	19.59	10
0+80			403.03	LT. 9+22.73	21.84	10
0+70			403.36	LT. 9+32.34	24.57	10
0+60	LT. 53+20.73	62.58	403.69	LT. 9+41.76	27.92	10
0+50	LT. 53+27.07	54.89	403.93	LT. 9+50.55	32.66	10
0+40	LT. 53+34.60	48.37	404.15	LT. 9+58.44	38.79	10
0+30	LT. 53+43.12	43.20	404.38	LT. 9+65.20	46.15	10
0+20	LT. 53+52.37	39.53	404.41	LT. 9+70.64	54.52	10
0+10	LT. 53+62.11	37.46	404.44			10
0+00	LT. 53+72.05	37.05	404.47			10



CROSS SECTION	EOP STATIONING ALONG IL 13 (WBCURVE)	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	EOP STATIONING ALONG SYCAMORE RD	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET
0+00	RT. 5+83.16	25.13	404.40			10
0+10	RT. 5+98.16	25.86	404.37			10
0+20	RT. 6+02.93	28.09	404.34			10
0+30	RT. 6+12.25	31.78	404.31	RT. 10+66.17	49.89	10
0+40	RT. 6+20.90	36.85	404.19	RT. 10+72.35	42.04	10
0+50	RT. 6+28.28	43.16	404.07	RT. 10+79.65	35.22	10
0+60	RT. 6+35.40	50.58	403.95	RT. 10+87.91	29.60	10
0+70	RT. 6+40.92	58.94	403.84	RT. 10+96.93	25.32	10
0+80			403.67	RT. 11+06.50	22.43	10
0+90			403.50	RT. 11+16.26	20.27	10
1+00			403.33	RT. 11+26.11	18.55	10
1+10			403.16	RT. 11+36.03	17.27	10
1+20			402.99	RT. 11+45.99	16.43	10
1+30			402.83	RT. 11+55.99	16.03	10

CROSS SECTION	EOP STATIONING ALONG IL 13 (WBL)	OFFSET TO E.P. FEET	EDGE OF PAV'T. ELEV. FEET	EOP STATIONING ALONG SYCAMORE RD	OFFSET TO E.P. FEET	DISTANCE ALONG RADIUS FEET
1+50	RT. 53+70.42	26.06	404.44			
1+40	RT. 53+61.32	30.19	404.35	LT. 10+78.50	49.26	10
1+30	RT. 53+53.70	36.65	404.26	LT. 10+83.80	40.82	10
1+20	RT. 53+48.14	44.94	404.17	LT. 10+91.20	34.14	10
1+10			404.08	LT. 11+00.16	29.76	10
1+00			403.99	LT. 11+09.97	28.00	10

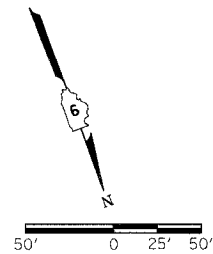
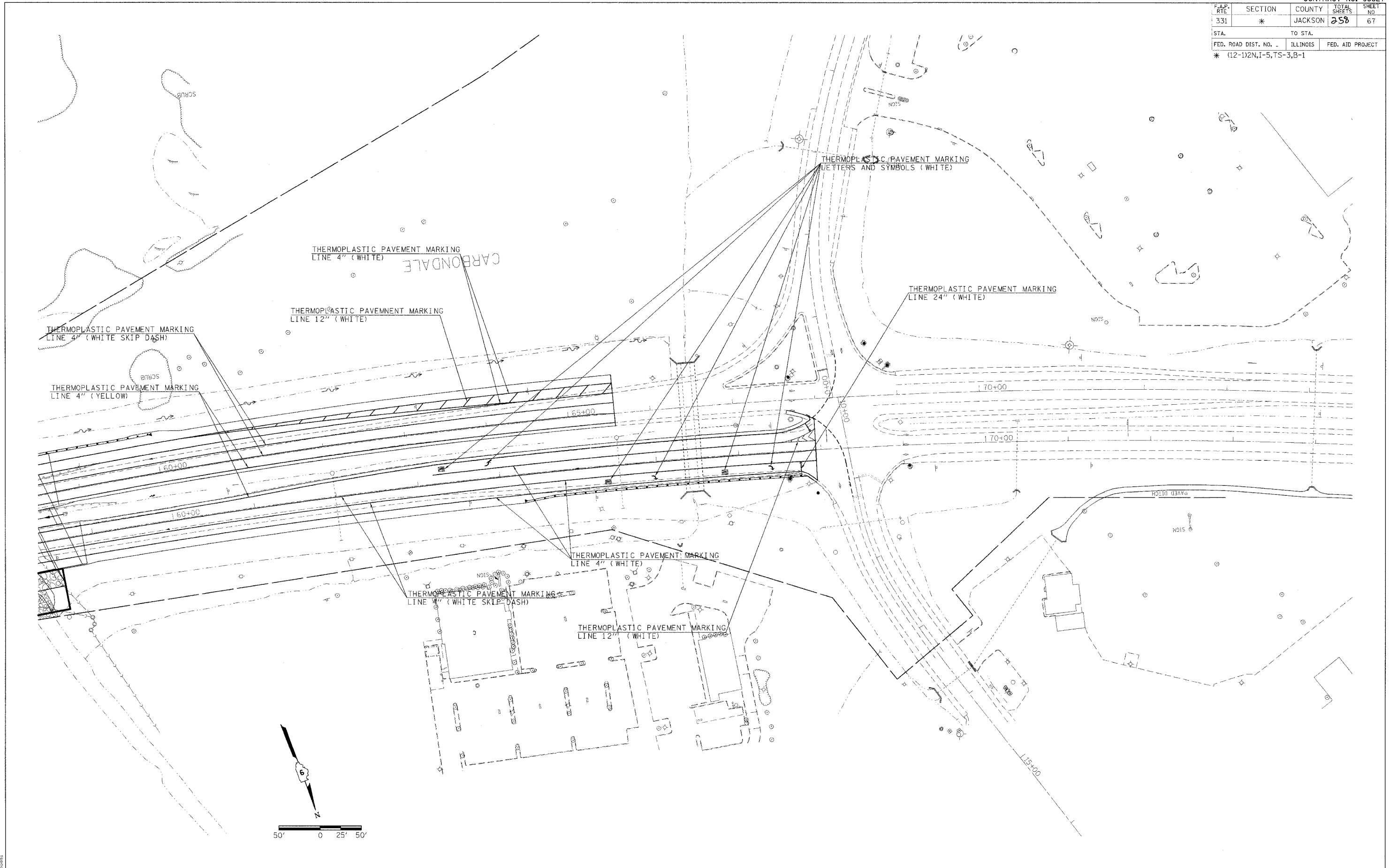
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	65
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,1-5,TS-3,B-1				



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PAVEMENT MARKINGS

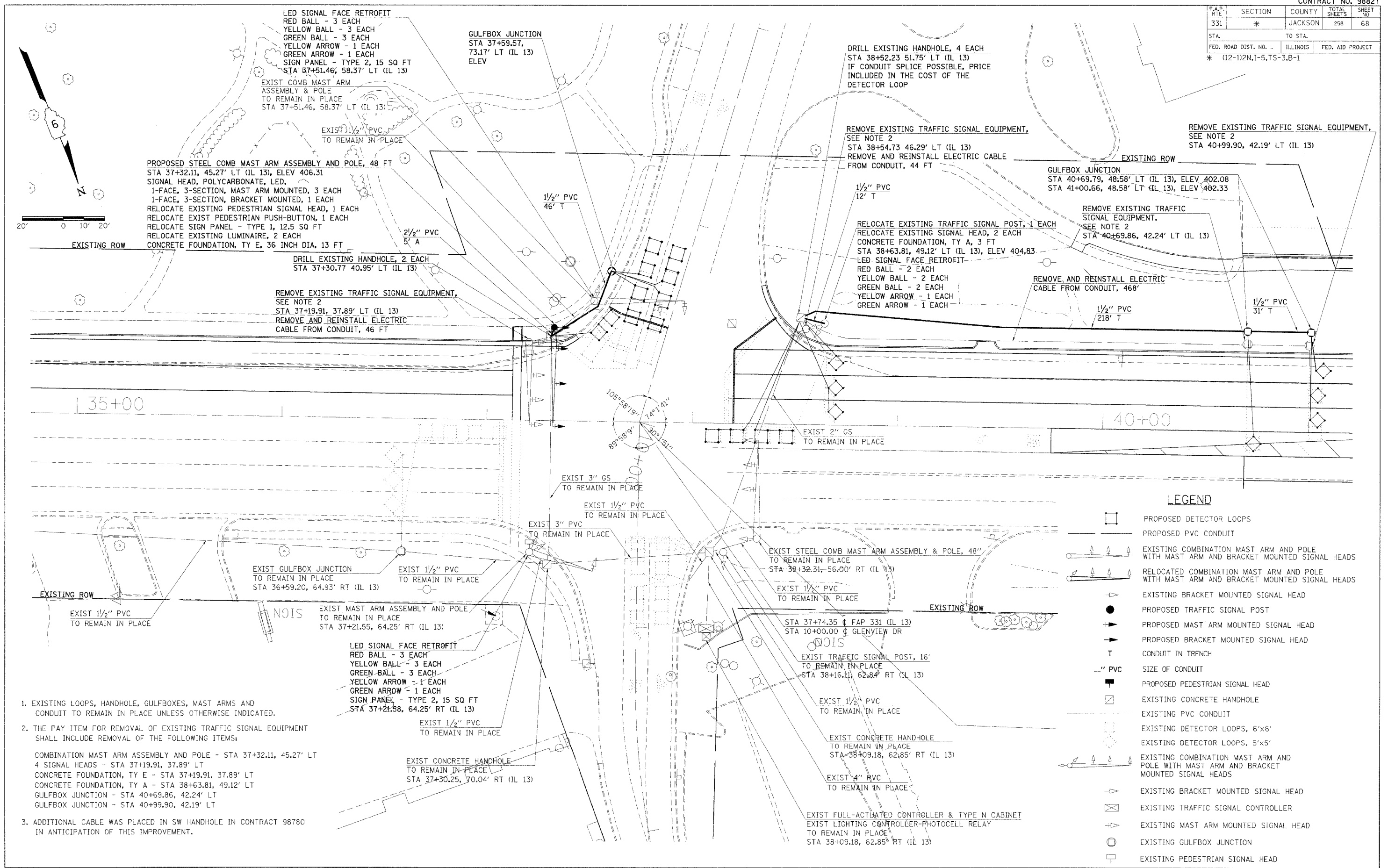
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331	*	JACKSON	258	67
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,I-5,TS-3,B-1				



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PAVEMENT MARKINGS

F.A.P. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	298	68
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (12-1)2N,1-5,TS-3,B-1				



- EXISTING LOOPS, HANDHOLE, GULFBXES, MAST ARMS AND CONDUIT TO REMAIN IN PLACE UNLESS OTHERWISE INDICATED.
- THE PAY ITEM FOR REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL INCLUDE REMOVAL OF THE FOLLOWING ITEMS:

COMBINATION MAST ARM ASSEMBLY AND POLE - STA 37+32.11, 45.27' LT
4 SIGNAL HEADS - STA 37+19.91, 37.89' LT
CONCRETE FOUNDATION, TY E - STA 37+19.91, 37.89' LT
CONCRETE FOUNDATION, TY A - STA 38+63.81, 49.12' LT
GULFBOX JUNCTION - STA 40+69.86, 42.24' LT
GULFBOX JUNCTION - STA 40+99.90, 42.19' LT
- ADDITIONAL CABLE WAS PLACED IN SW HANDHOLE IN CONTRACT 98780 IN ANTICIPATION OF THIS IMPROVEMENT.

LEGEND

- PROPOSED DETECTOR LOOPS
- PROPOSED PVC CONDUIT
- EXISTING COMBINATION MAST ARM AND POLE WITH MAST ARM AND BRACKET MOUNTED SIGNAL HEADS
- RELOCATED COMBINATION MAST ARM AND POLE WITH MAST ARM AND BRACKET MOUNTED SIGNAL HEADS
- EXISTING BRACKET MOUNTED SIGNAL HEAD
- PROPOSED TRAFFIC SIGNAL POST
- PROPOSED MAST ARM MOUNTED SIGNAL HEAD
- PROPOSED BRACKET MOUNTED SIGNAL HEAD
- CONDUIT IN TRENCH
- SIZE OF CONDUIT
- PROPOSED PEDESTRIAN SIGNAL HEAD
- EXISTING CONCRETE HANDHOLE
- EXISTING PVC CONDUIT
- EXISTING DETECTOR LOOPS, 6'x6'
- EXISTING DETECTOR LOOPS, 5'x5'
- EXISTING COMBINATION MAST ARM AND POLE WITH MAST ARM AND BRACKET MOUNTED SIGNAL HEADS
- EXISTING BRACKET MOUNTED SIGNAL HEAD
- EXISTING TRAFFIC SIGNAL CONTROLLER
- EXISTING MAST ARM MOUNTED SIGNAL HEAD
- EXISTING GULFBOX JUNCTION
- EXISTING PEDESTRIAN SIGNAL HEAD

**PROPOSED TRAFFIC SIGNAL & LIGHTING
ILLINOIS 13 & GLENVIEW DRIVE**

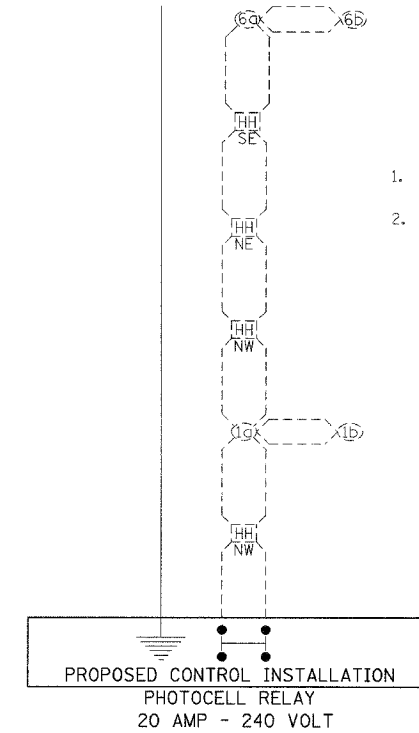
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	225	69
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

*(12-1)2N,1-5,TS-3,B-1

WIRING DIAGRAM FOR ROADWAY LIGHTING

NOTES

- ALL LUMINAIRES ARE 250 WATTS.
- ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 3/C NO 10 IS USED IN POLES OR LUMINAIRES.



LEGEND

- Ⓜ INDICATES PROPOSED TRAFFIC SIGNAL HANDHOLE
- NOTE: THE SIGNAL CONDUIT SYSTEM SHALL BE UTILIZED TO INSTALL WIRING FOR ALL THE PROPOSED LIGHTING SYSTEM, EXCEPT AS DENOTED ON THE PLANS.
- HANDHOLE DESIGNATIONS:
NE NORTHEAST CORNER
NW NORTHWEST CORNER
SE SOUTHEAST CORNER
- Ⓛ NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE.
- INDICATES PROPOSED GROUND AT LIGHT STANDARD.
- Ⓧ INDICATES CONTINUOUS GROUND FOR CONTROL INSTALLATION.

NOTES

- ALL SIGNAL LENSES SHALL BE 12 INCHES.
- ELECTRIC CABLE DENOTED AS #10, 3/C BEING INSTALLED TO THE COMBINATION MAST ARM POLES SHALL NOT GO THROUGH THE TERMINAL BLOCK BUT SHOULD BE SPLICED IN POLE. SEE LIGHT POLE FOUNDATION DETAIL. A QUANTITY HAS BEEN INCLUDED TO RUN NEW #10, 3/C FROM THE LUMINAIRES TO THE BOTTOM OF THE MAST ARM POLE WHERE IT WILL SPLICE WITH EXISTING CABLE.
- ELECTRIC SERVICE IS SUPPLIED BY AMEREN CIPS.
- FOR LOOPS ON SOUTH LEG OF GLENVIEW - A QUANTITY HAS BEEN INCLUDED TO RUN NEW #14, 1PAIR CABLE FROM SE GULFBOX JUNCTION TO SE HANDHOLE. SPLICE TO EXISTING LOOP CABLE IN SE HANDHOLE.

LEGEND

- Ⓛ INDICATES 6'x6' LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
- Ⓜ INDICATES TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS) SEE NOTE NO. 1.
- Ⓧ EXISTING TRAFFIC SIGNAL CONTROLLER CABINET
- Ⓧ EXISTING LIGHTING CONTROLLER WITH PHOTOCELL RELAY
- Ⓛ INDICATES 5'x5' LOOP WITH 2" CORE DRILLED CORNERS; NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
- Ⓛ EXISTING LOOP TO REMAIN IN PLACE
- Ⓛ INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT.
- Ⓛ NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE.
- Ⓧ EXISTING PEDESTRIAN SIGNAL HEAD
- Ⓧ EXISTING PEDESTRIAN PUSH BUTTON
- Ⓧ EXISTING SIGNAL POST, 16'
- Ⓧ EXISTING LUMINAIRE TO REMAIN IN PLACE OR TO BE REFURBISHED
- Ⓧ EXISTING CABLE TO REMAIN IN PLACE
- (4) NUMBER IN PARENTHESIS INDICATES PHASE.
- NOTE: ALL CABLES SHALL BE A.W.G. #14 UNLESS OTHERWISE NOTED.

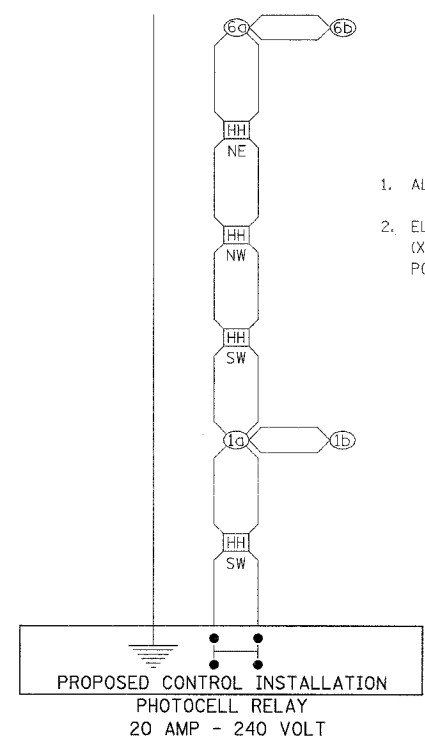
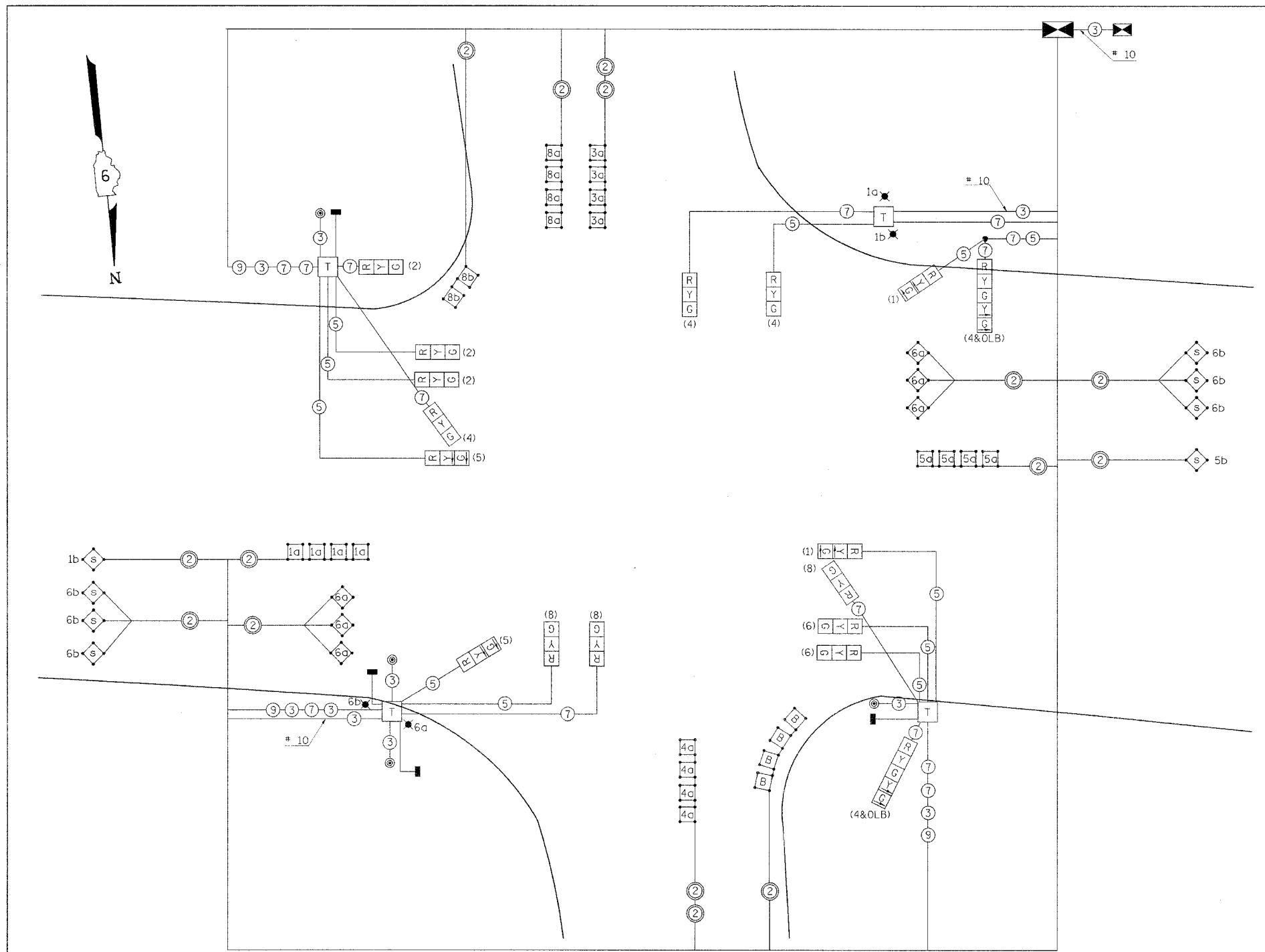
TRAFFIC SIGNAL CABLE DIAGRAM & WIRING DIAGRAM FOR ROADWAY LIGHTING INTERSECTION OF IL 13 & GLENVIEW DRIVE

2/16/2006
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11607.dwg / 24
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	225	71
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	

* (12-1)2N,1-5,TS-3,B-1

WIRING DIAGRAM FOR ROADWAY LIGHTING



NOTES

1. ALL LUMINAIRES ARE 250 WATTS.
2. ELECTRIC CABLE IN CONDUIT, 600 V (XLP-TYPE USE) 3/C NO 10 IS USED IN POLES OR LUMINAIRES.

LEGEND

- PROPOSED CABLE
- 5a INDICATES 6'x6' LOOP WITH 2" CORE DRILLED CORNERS: NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
- T INDICATES TERMINAL BLOCK IN MAST ARM POLE BASE (SEE SPECIAL PROVISIONS) SEE NOTE NO. 1.
- 6a INDICATES 5'x5' LOOP WITH 2" CORE DRILLED CORNERS: NUMBER INDICATES PHASE, LOWER CASE LETTER INDICATES AMPLIFIER, "S" INDICATES SYSTEM LOOP.
- ② INDICATES 2/C TWISTED, SHIELDED CABLE IN CONDUIT.
- ⑤ NUMBER IN CIRCLE INDICATES NUMBER OF CONDUCTORS IN THAT CABLE.
- PROPOSED LUMINAIRE
- PROPOSED PEDESTRIAN SIGNAL HEAD
- ⊙ PROPOSED PEDESTRIAN PUSH-BUTTON
- (4) NUMBER IN PARENTHESIS INDICATES PHASE.
- ☒ PROPOSED FULL-ACTUATED CONTROLLER
- ☒ PROPOSED LIGHTING CONTROLLER WITH PHOTOCELL RELAY
- PROPOSED TRAFFIC SIGNAL POST

NOTES

1. ALL SIGNAL LENSES SHALL BE 12 INCHES.
2. ELECTRIC CABLE DENOTED AS #10, 3/C BEING INSTALLED TO THE COMBINATION MAST ARM POLES SHALL NOT GO THROUGH THE TERMINAL BLOCK BUT SHOULD BE SPLICED IN POLE. SEE LIGHT POLE FOUNDATION DETAIL.
3. ELECTRIC SERVICE IS SUPPLIED BY AMEREN CIPS.

LEGEND

- HH INDICATES PROPOSED TRAFFIC SIGNAL HANDHOLE
- NOTE: THE SIGNAL CONDUIT SYSTEM SHALL BE UTILIZED TO INSTALL WIRING FOR ALL THE PROPOSED LIGHTING SYSTEM, EXCEPT AS DENOTED ON THE PLANS.
- HANDHOLE DESIGNATIONS:
NE NORTHEAST CORNER
NW NORTHWEST CORNER
SW SOUTHWEST CORNER
- ① NUMBER INDICATES POSITION OF POLE IN WIRING DIAGRAM. LETTER INDICATES LUMINAIRE ON POLE.
- INDICATES PROPOSED GROUND AT LIGHT STANDARD.
- ⊕ INDICATES CONTINUOUS GROUND FOR CONTROL INSTALLATION.

TRAFFIC SIGNAL CABLE DIAGRAM & WIRING DIAGRAM FOR ROADWAY LIGHTING INTERSECTION OF IL 13 & EMERALD LN /SYCAMORE ST

2/15/2008 11:06:40 AM \\s014021\project\10344\03p.dwg

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	72
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (12-1)2N,1-5,15-3,B-1				

NOTES:

STRINGLINE GRADE CONTROL IS REQUIRED BEGINNING AT STATION 5+25.00 (WB) & 52+75.59 CONTINUING WEST TO THE APPROACH PAVEMENT FOR THE PROPOSED STRUCTURE.

PROPOSED CROSS-SLOPES ARE SHOWN IN CROSS-SECTIONS.



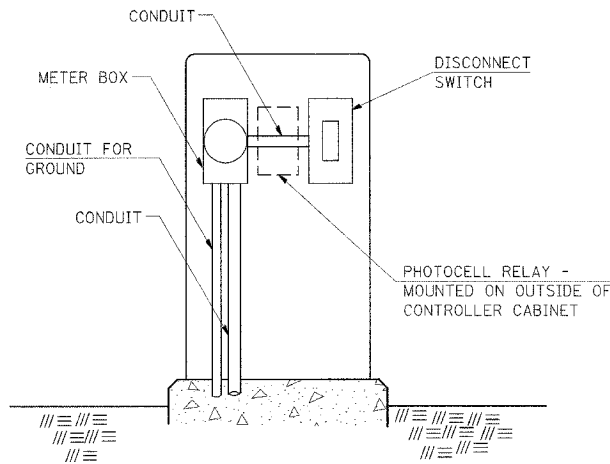
STA EQUATION:
 STA 6+58.52 BK=
 STA 53+07.29 AH, 1" LT

**DETAIL : FINAL PAVEMENT ELEVATIONS
 EMERALD / SYCAMORE INTERSECTION**

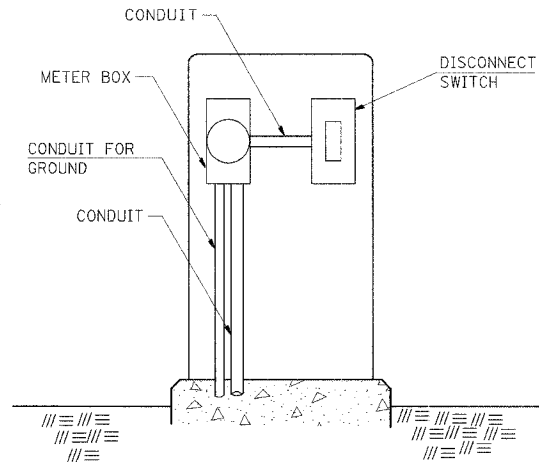
2/14/2006
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	73
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
*(12-1)2N,I-5,TS-3,B-1				

SERVICE INSTALLATION DETAILS



SERVICE INSTALLATION (SPECIAL)
WITH PHOTOCELL RELAY

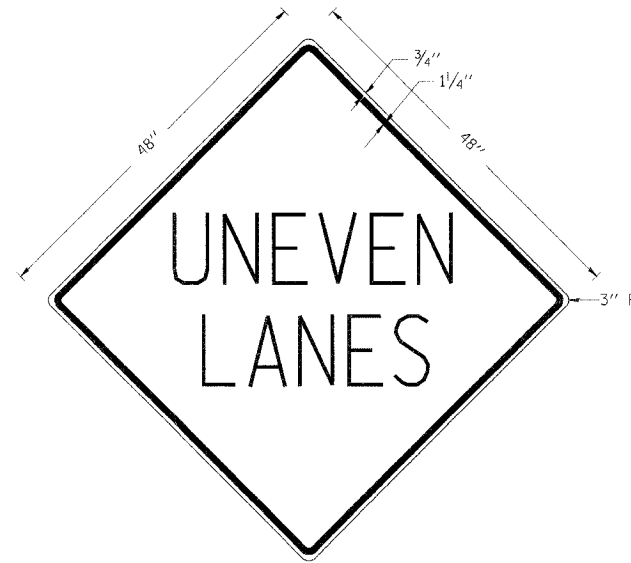


SERVICE INSTALLATION (SPECIAL)

NOTE:
MATERIAL AND SIZE OF CONDUIT
AND CABLE AS REQUIRED BY
UTILITY COMPANY

REVISIONS	
DRAWN	1-31-90
REVISED	2-24-92
REVISED	
STD.	9-68

UNEVEN LANES SIGN
WB-11 (48" x 48")



COLORS:
LEGEND AND BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - ORANGE REFLECTORIZED

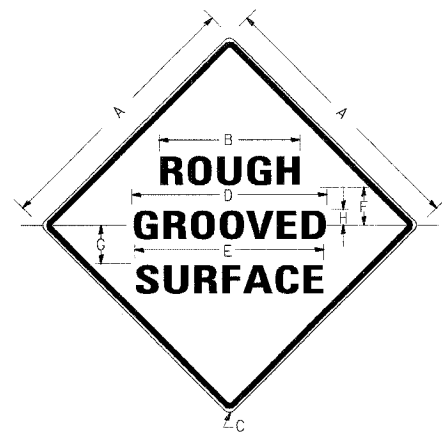
NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
DRAWN	2-15-89
REVISED	4-6-93
REDESIGNED	7-23-04
STD.	9-41

ILLINOIS STANDARD
WB-1106



COLORS:
LEGEND AND BORDER- BLACK NON-REFLECTORIZED
BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR- GIN	BOR- DER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

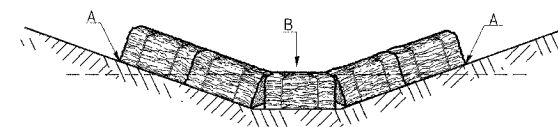
ALL DIMENSIONS IN INCHES

NOTES:
PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.
IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
REDRAWN	2-15-89
REVISED	4-6-93
REVISED	
STD.	9-39

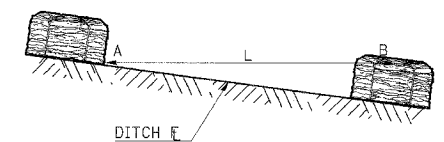
TEMPORARY DITCH CHECKS

PLACEMENT OF TEMPORARY STRAW BALE DITCH CHECK IN DRAINAGEWAY



POINTS A SHOULD BE HIGHER THAN POINT B

SPACING BETWEEN TEMPORARY DITCH CHECKS



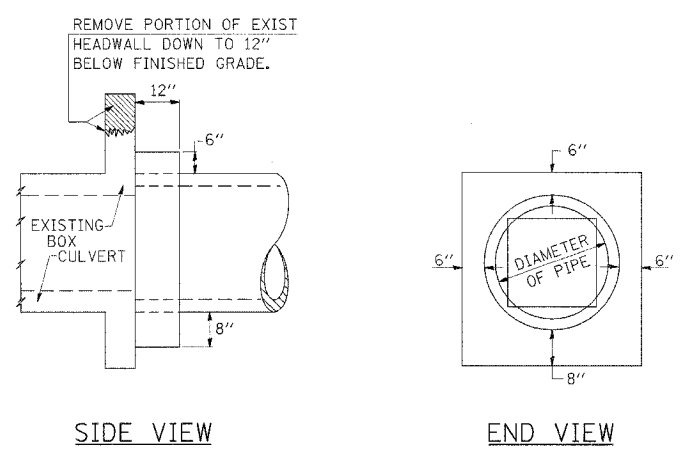
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION
B = THE LOW POINT IN CENTER OF CHECK

REVISIONS	
DRAWN	9-01-99
REVISED	10-3-01
REVISED	
STD.	9-108

**DETAILS: SERVICE INSTALLATION, UNEVEN LANES
ROUGH GROOVED SURFACE, TEMPORARY DITCH CHECKS**

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	74
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT
* (12-1)2N, I-5, TS-3, B-1				

DETAILS OF CONCRETE COLLAR



TABULATION

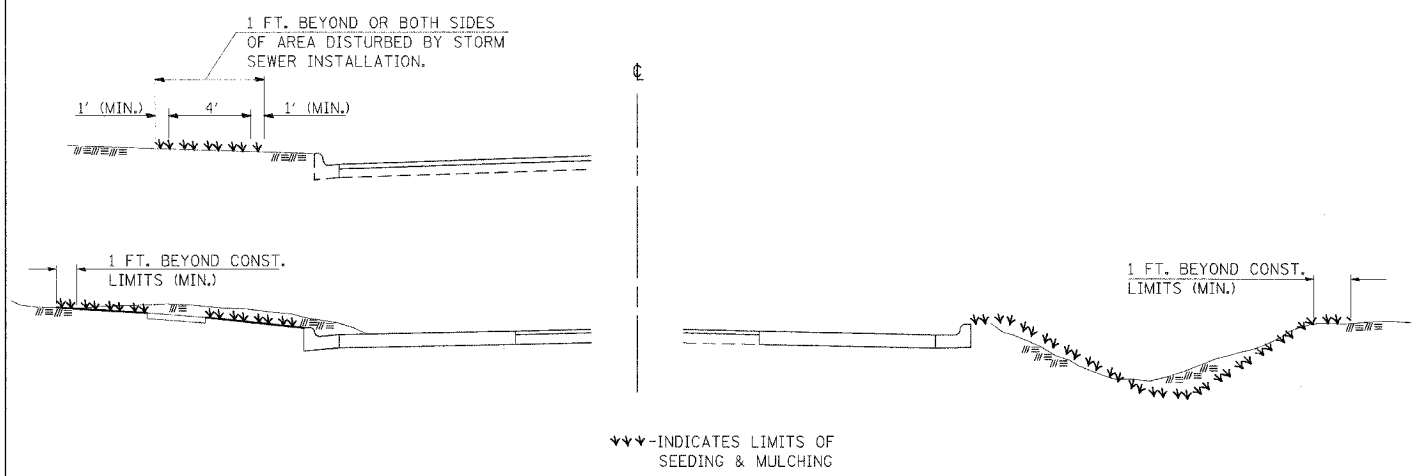
DIAMETER OF PIPE	CL SI CONC CU YDS EST
12"	0.16
15"	0.19
18"	0.21
24"	0.29
30"	0.37
36"	0.44
42"	0.53
48"	0.62
54"	0.71
60"	0.81
72"	1.03

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE COLLAR, AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS OF THE EXISTING HEADWALLS AS MAY BE REQUIRED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

REVISIONS
REDRAWN 2-15-89
REVISED 8-19-94
REVISED
REVISED

SEEDING & MULCHING



GENERAL NOTES

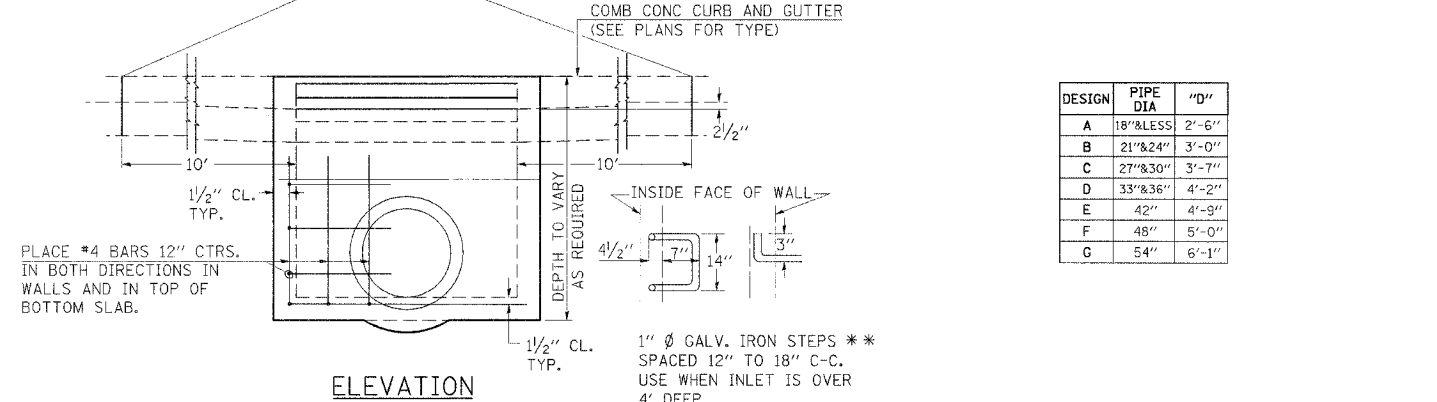
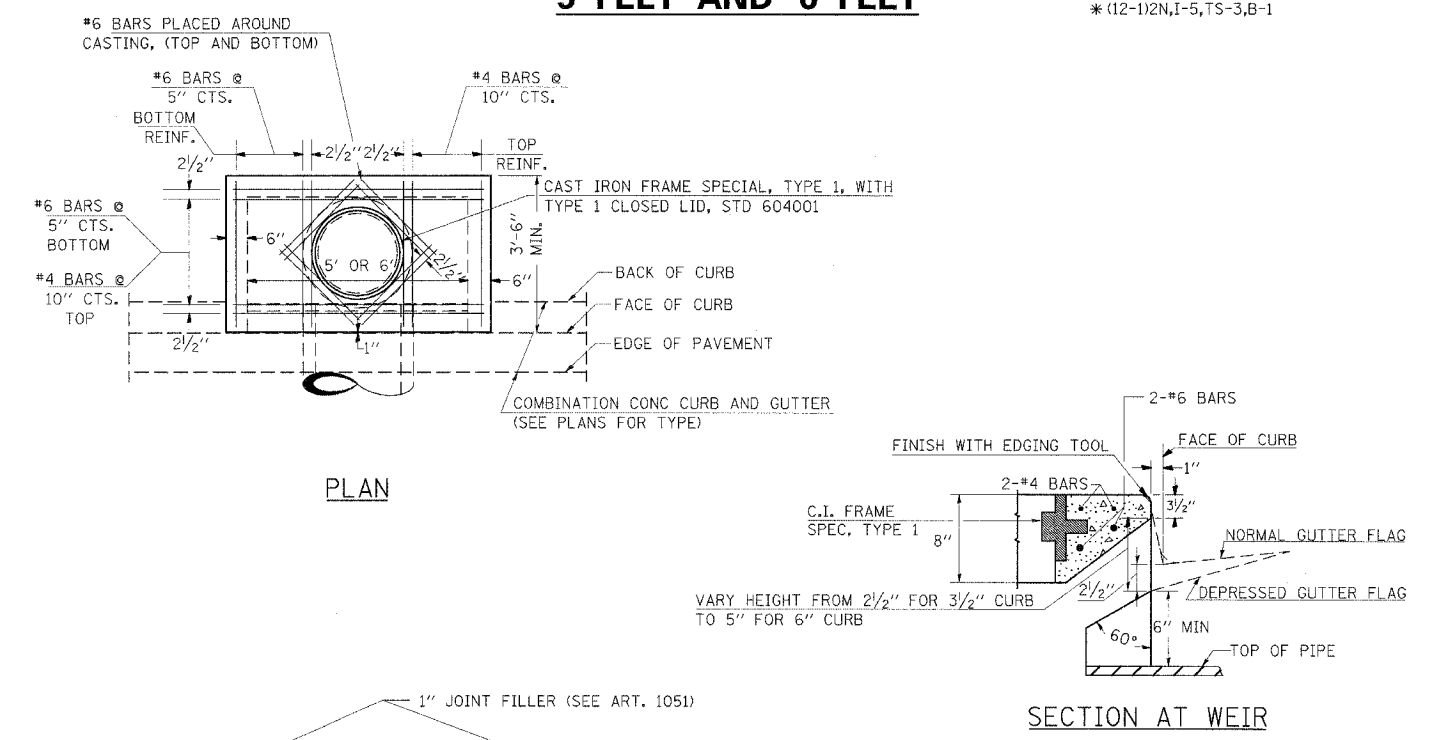
IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDING AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

FERTILIZER NUTRIENTS AND LIMESTONE SHALL BE APPLIED TO ALL SEEDED AREAS.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS.

SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

DETAILS OF INLET SPECIAL, TYPE 3, 5 FEET AND 6 FEET



NOTES:

PROVIDE 1/2" CLEARANCE TYP. ALL REINFORCEMENT UNLESS OTHERWISE SPECIFIED.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2 1/2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET, SPECIAL, TYPE 3, 5 FEET OR INLET, SPECIAL, TYPE 3, 6 FEET WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

**THE GALVANIZED IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.

IF THE INLET IS NOT CAST IN PLACE THEN THE INLET SHALL BE PRODUCED ACCORDING TO THE DEPARTMENT'S CURRENT POLICY MEMORANDUM, "QUALITY CONTROL/QUALITY ASSURANCE PROGRAM FOR PRECAST CONCRETE PRODUCTS".

NOTE TO DESIGNER:

WHEN USING THIS STANDARD THE DESIGNER SHOULD ALSO CHECK BDE SPECIAL PROVISION 419 "PRECAST CONCRETE PRODUCTS".

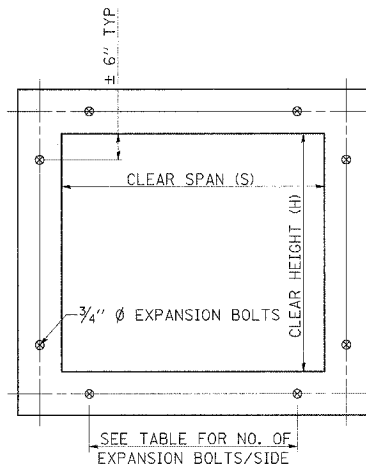
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REVISIONS
REDRAWN 2-15-89
REVISED 8-15-94
REVISED 1-19-99
REVISED 5-6-04

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	75
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (12-1)2N,1-5,TS-3,B-1

EXPANSION BOLTS REQUIRED FOR CULVERT EXTENSIONS



EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION SHIELDS AND 3/4" Ø HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE.

MINIMUM CERTIFIED PROOF LOAD=7500 LBS.

BOLTS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR EXPANSION BOLTS, 3/4 INCH.

H OR S	NO. EXPANSION BOLTS REQ'D/SIDE			
	EXTENSION < 15'		EXTENSION > 15'	
	NO.	SPACING	NO.	SPACING
2.0	*	*	*	*
2.5	2	18"	2	18"
3.0	2	24"	2	24"
4.0	3	18"	3	18"
5.0	4	16"	3	24"
6.0	5	15"	4	20"
7.0	5	18"	4	24"
8.0	6	17"	5	21"
9.0	6	19"	5	24"
10.0	7	18"	6	21"
11.0	8	17"	6	24"
12.0	8	19"	7	22"

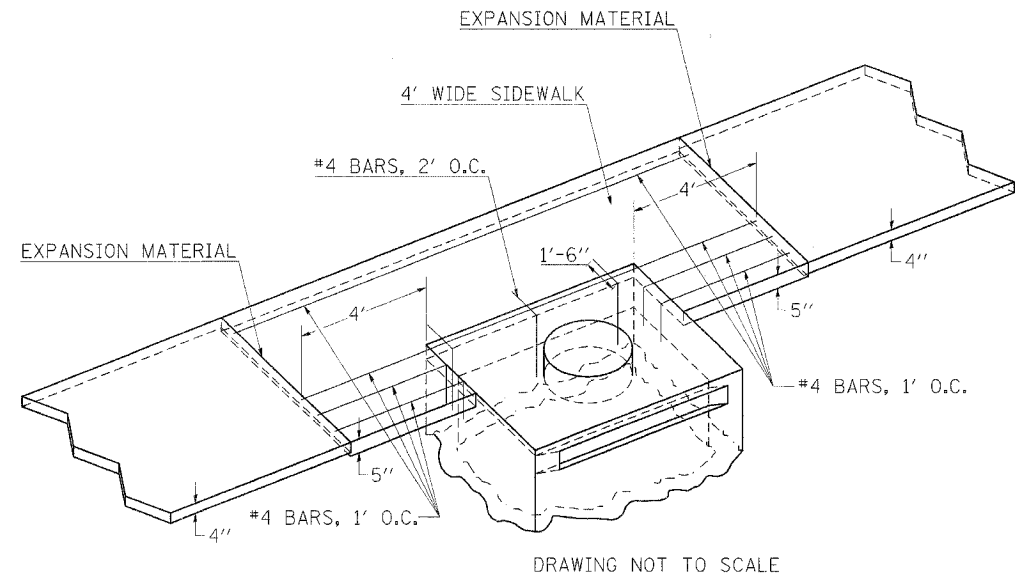
* NOTE: USE MINIMUM OF 1 EXPANSION BOLT AT EACH CORNER.

EXAMPLE:
6' X 4' BOX CULVERT TO BE EXTENDED 18' AT ONE END ONLY.

FROM TABLE FIND:
6' SIDE REQUIRES (4)-3/4" Ø EXPANSION BOLTS AT 20" CENTERS
4' SIDE REQUIRES (3)-3/4" Ø EXPANSION BOLTS AT 18" CENTERS

TOTAL NO. REQUIRED
(4+3)2 = (14)-3/4" Ø EXPLAN. BOLTS

INLET/SIDEWALK JOINT



DRAWING NOT TO SCALE

NOTES:

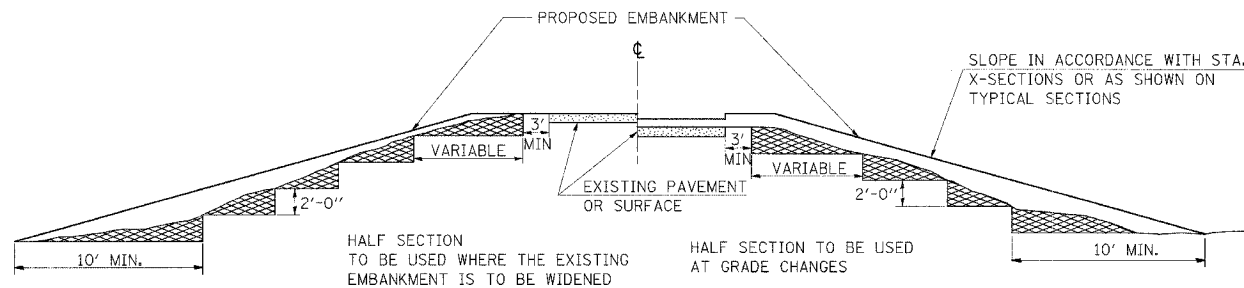
- PAYMENT FOR THIS WORK SHALL BE AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PCC SIDEWALK 5". NO ADDITIONAL COMPENSATION WILL BE MADE FOR THE REBAR REINFORCEMENT.
- 5/8" HOOK BARS WITH THREADED COUPLING MAY BE USED IN LIEU OF THE #4 REBARS. (SEE STD 420001)

REVISIONS

REDESIGNED	2-15-89
REVISED	8-15-94
REVISED	12-14-01

STD. 9-9

TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



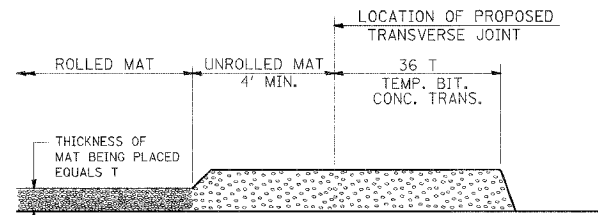
MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04 OF THE STANDARD SPECIFICATION. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

REVISIONS

REDESIGNED	2-15-89
REVISED	8-15-94
REVISED	6-3-98

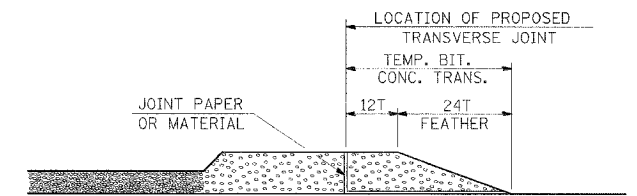
STD. 9-16

TEMPORARY BITUMINOUS CONCRETE TRANSITIONS



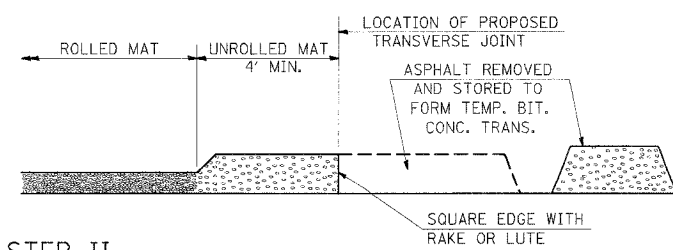
STEP I

- PLACE BITUMINOUS MAT, LENGTH 36 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
- EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



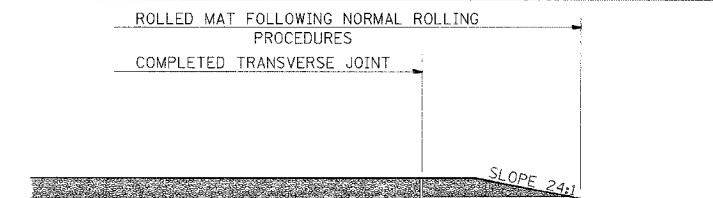
STEP III

- JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
- NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



STEP II

- MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY BITUMINOUS CONCRETE TRANSITION.
- SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
- NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



STEP IV

- COMPLETE TEMPORARY TRANSITION BY ROLLING.
- TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
- CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE BITUMINOUS MATERIAL BEING PLACED.

REVISIONS

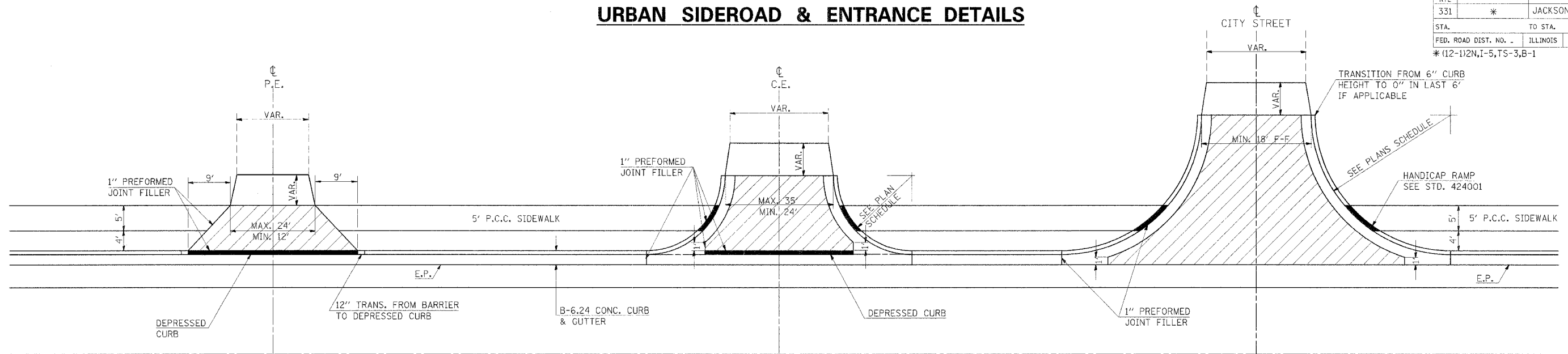
REDESIGNED	2-15-89
REVISED	8-16-94

STD. 9-26

DETAILS: EXPANSION BOLTS REQUIRED FOR CULVERT EXTENSIONS, INLET/SIDEWALK JOINT, TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL, TEMPORARY BIT CONC TRANSITIONS

F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	76
STA. TO STA.		ILLINOIS		
FED. ROAD DIST. NO.		FED. AID PROJECT		
*(12-1)2N, I-5, TS-3, B-1				

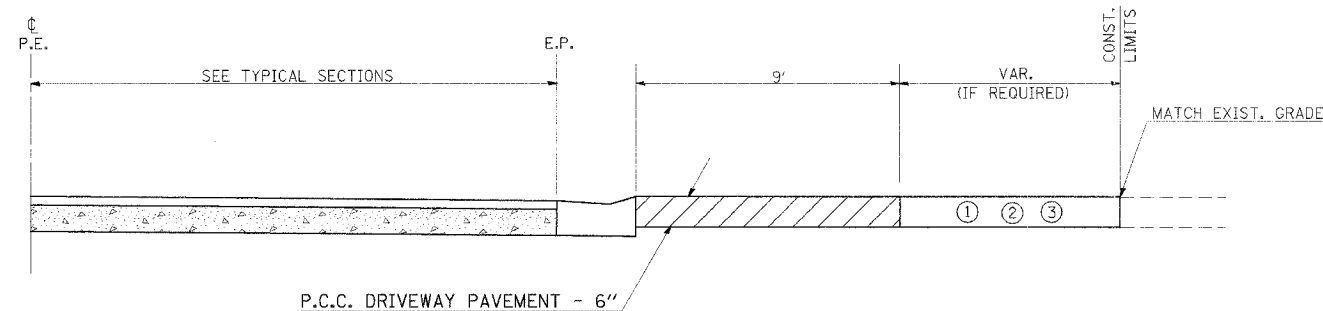
URBAN SIDEROAD & ENTRANCE DETAILS



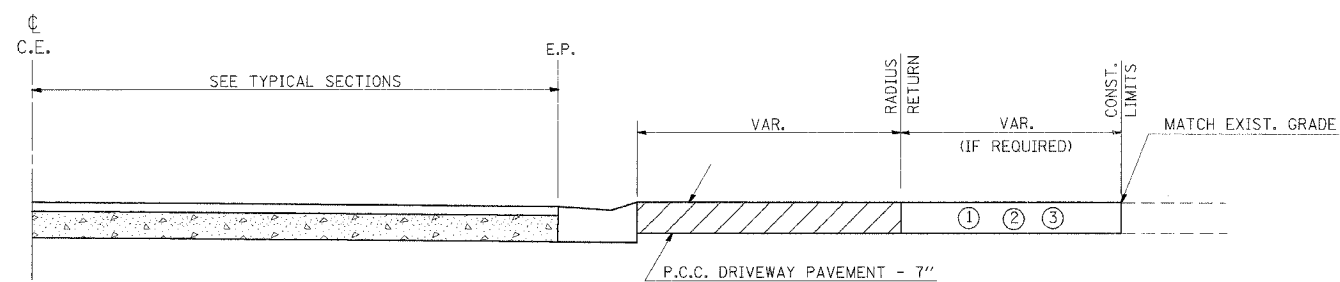
DETAILS PRIVATE ENTRANCE

DETAILS COMMERCIAL ENTRANCE

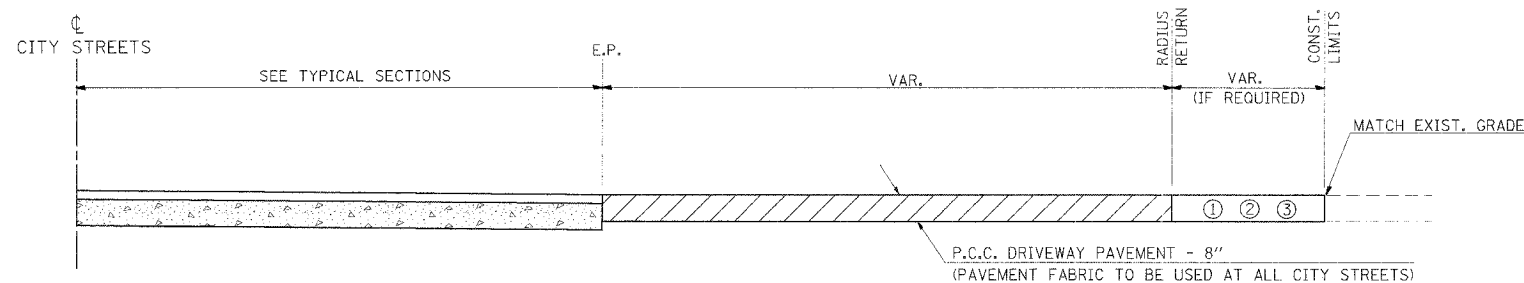
DETAILS CITY STREETS



PROFILE OF PRIVATE ENTRANCES



PROFILE OF COMMERCIAL ENTRANCES



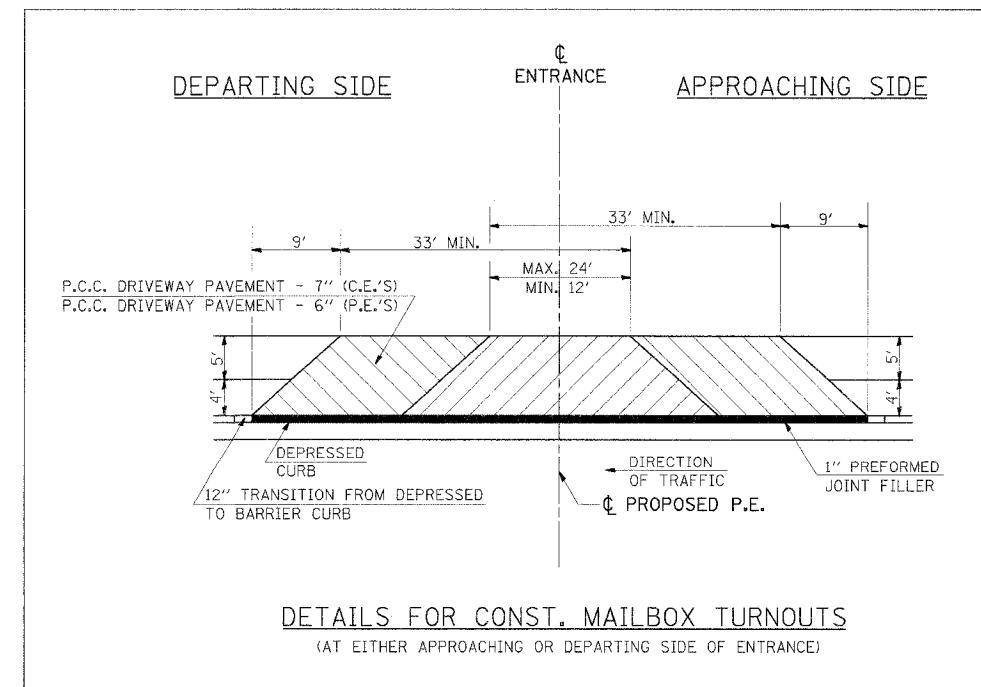
PROFILE OF CITY STREETS

GENERAL NOTES

- SEE PLAN SCHEDULES FOR DIMENSIONS AND QUANTITIES.
- SEE CROSS SECTIONS FOR PROPOSED PROFILE OF SIDEROAD AND ENTRANCES.
- IN GENERAL, WIDTH TRANSITION TAPER RATES ARE TO BE 5:1 FOR ENTRANCES, AND 10:1 FOR CITY STREETS.
- THE SAWING OF ALL JOINTS IN PCC DRIVEWAY PAVEMENT AT ALL LOCATIONS DESIGNATED BY THE ENGINEER, SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PCC DRIVEWAY PAVEMENT.

LEGEND

- EXISTING AGGREGATE SURFACE:
CONSTRUCT AGGREGATE SURFACE CSE, TYPE A WEDGE TO MATCH EXISTING GRADE. USE 6" MIN. (8" MIN. FOR CITY STREETS) THICKNESS FOR ANY REQUIRED WIDENING.
- EXISTING BITUMINOUS SURFACE:
USE 2" MIN. BITUMINOUS RESURFACING ON 4" MIN. (6" MIN. FOR CITY STREETS) AGGREGATE BASE COURSE.
- EXISTING CONCRETE SURFACE:
P.C.C. DRIVEWAY PAVEMENT 6" P.E.'S
P.C.C. DRIVEWAY PAVEMENT 7" C.E.'S
P.C.C. DRIVEWAY PAVEMENT 8" CITY STREETS



DETAILS FOR CONST. MAILBOX TURNOUTS
(AT EITHER APPROACHING OR DEPARTING SIDE OF ENTRANCE)

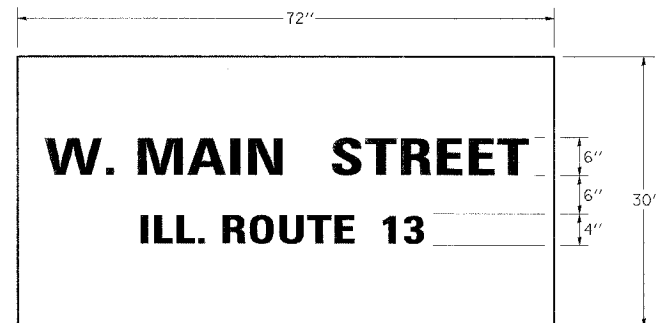
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REVISIONS	DATE	BY
DRAWN	10-22-90	
REVISION	3-6-91	
REVISION	10-21-91	

STD. 9-84

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	77
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	
* (12-12N,I-5,TS-3,B-1				

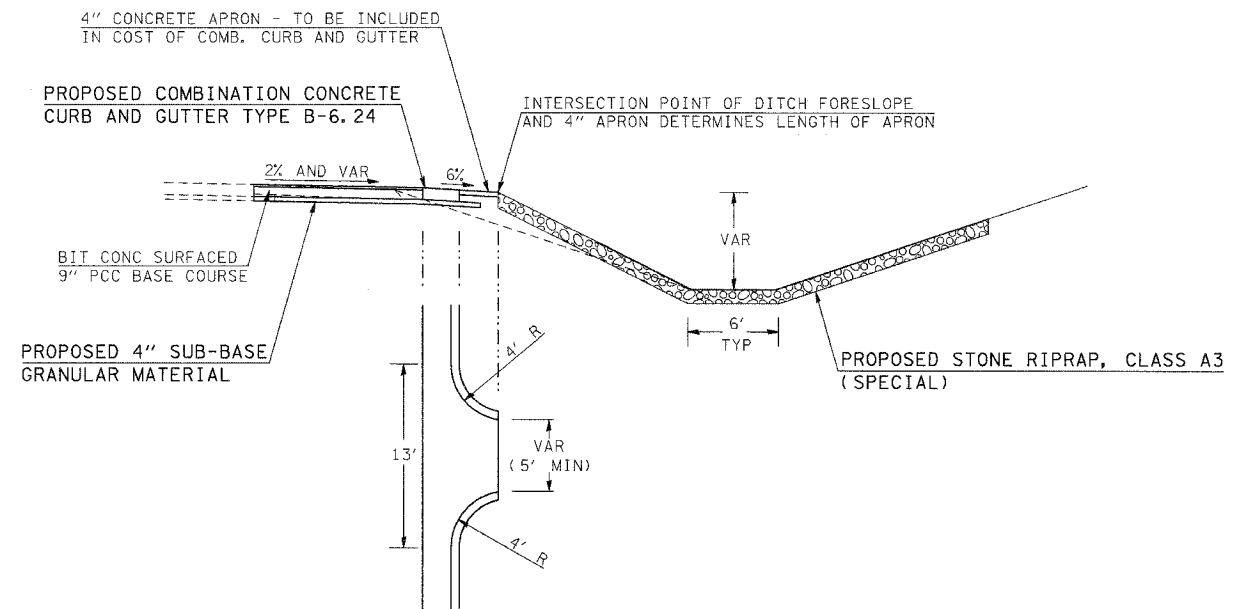
SIGN PANEL - TYPE 2



TO BE USED:

GLENVIEW STA 37+51.46, 58.37' LT
 STA 37+21.55, 64.25' RT
 SYCAMORE STA 53+24.95, 71.55' LT
 STA 52+63.76, 46.68' RT

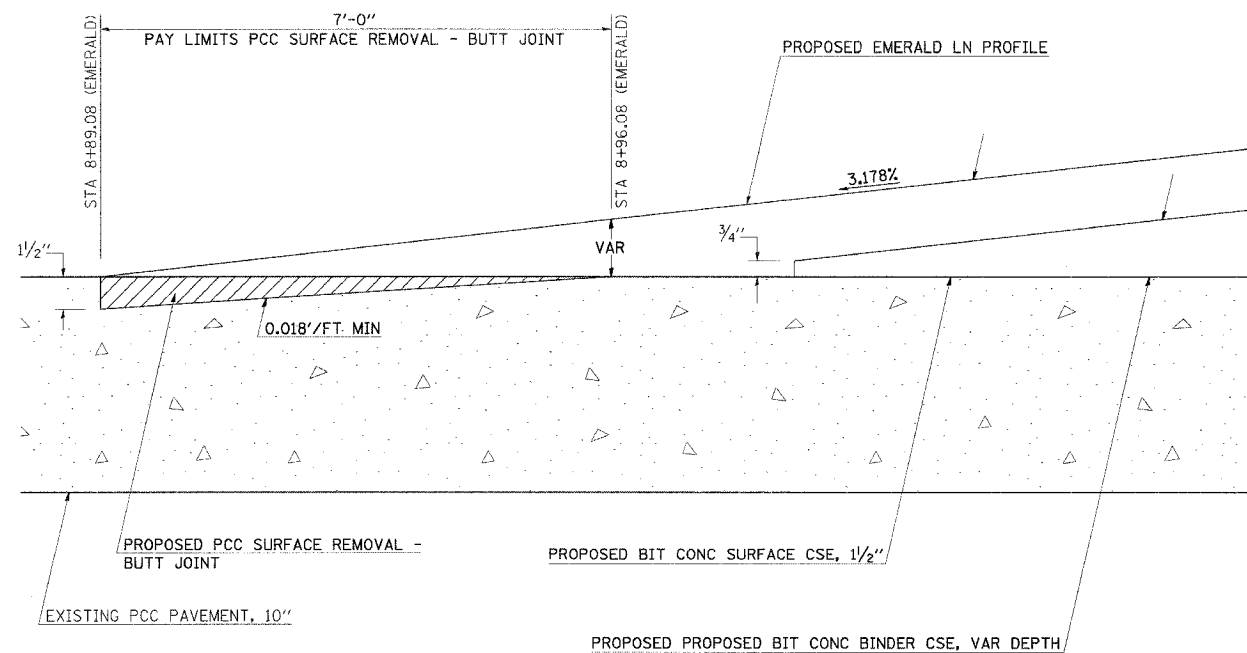
CONCRETE CURB CUT DETAIL



NOTES

ABOVE DETAIL IS TYPICAL OF WESTBOUND DITCH.
 FOR EASTBOUND DITCH TIE RIP RAP TO EXISTING GRASS DITCH FLOWLINE.

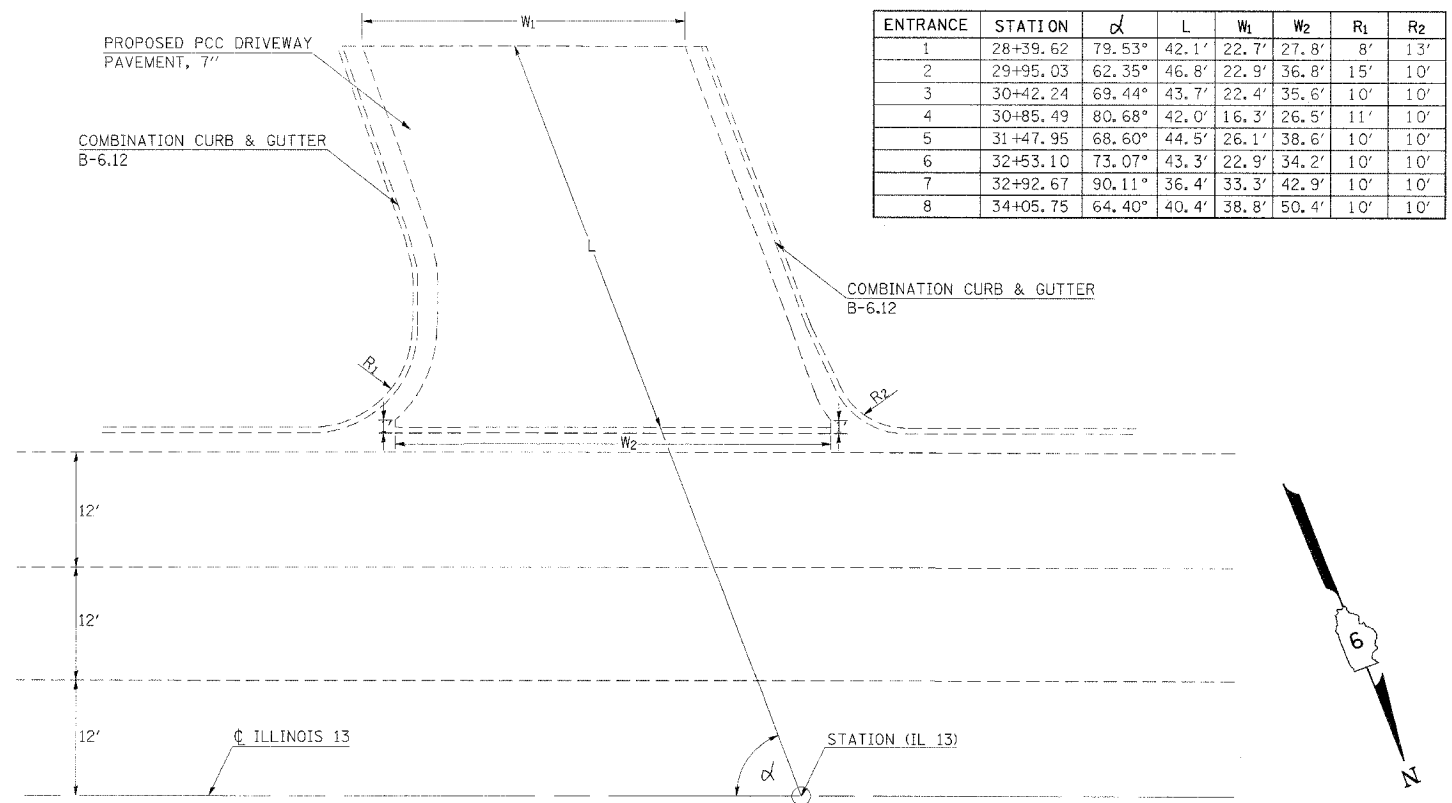
PCC SURFACE REMOVAL - BUTT JOINT



NOTE:

THE CONTRACTOR MAY INCREASE THE LENGTH OF PCC SURFACE REMOVAL AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE MADE.

PCC DRIVEWAY PAVEMENT

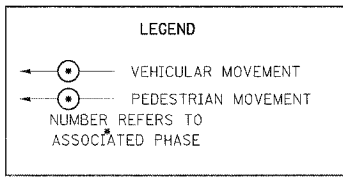
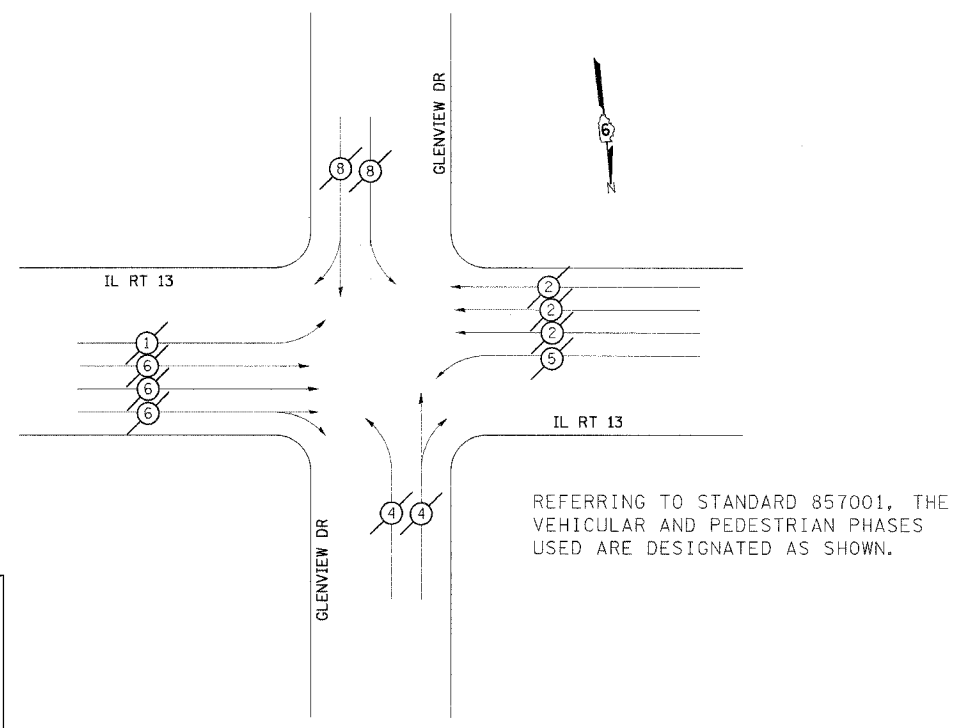


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F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	225	78
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(12-1)2N,I-5,TS-3,B-1

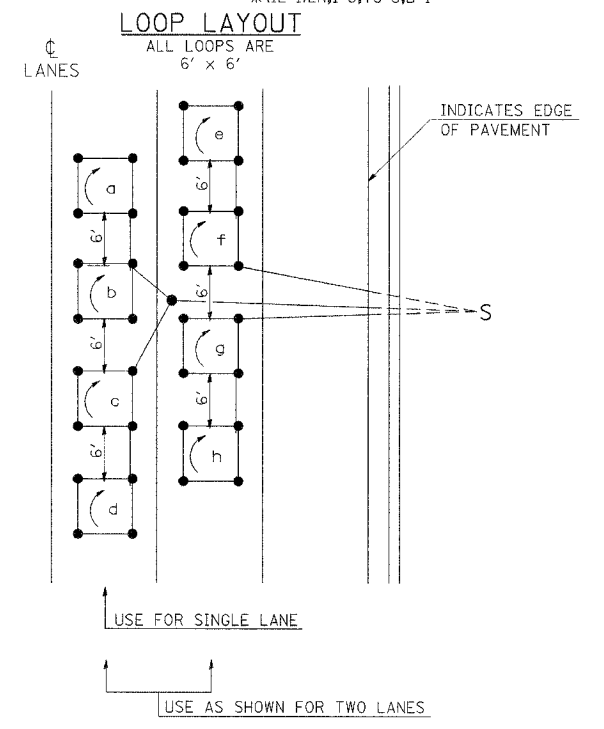
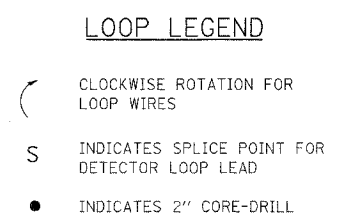
PHASE DESIGNATION DIAGRAM IL RTE 13 WITH GLENVIEW DR



REFERRING TO STANDARD 857001, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED AS SHOWN.

DETAIL OF DETECTOR LOOPS

- NOTES**
(APPLIES TO 6' x 6' LOOPS ONLY)
- THE DETECTOR LOOPS SHALL BE TYPE I. EACH DETECTOR LOOP SHALL HAVE 3 TURNS OF LOOP WIRE AND BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 886 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
 - BEGINNING LEAD WIRES SHALL BE CONNECTED TO THE BLACK LEAD AND THE ENDING LEAD WIRES SHALL BE CONNECTED TO THE WHITE LEAD OF THE TWIN TWISTED FEED CABLES AT THE SPLICE POINT.
 - WHERE THE LOOPS ARE INSTALLED PRIOR TO RESURFACING, THE LOOP CORNERS SHALL BE DIAGONALLY CUT.



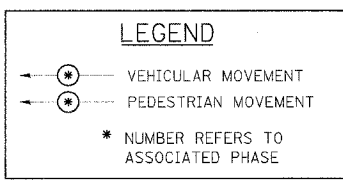
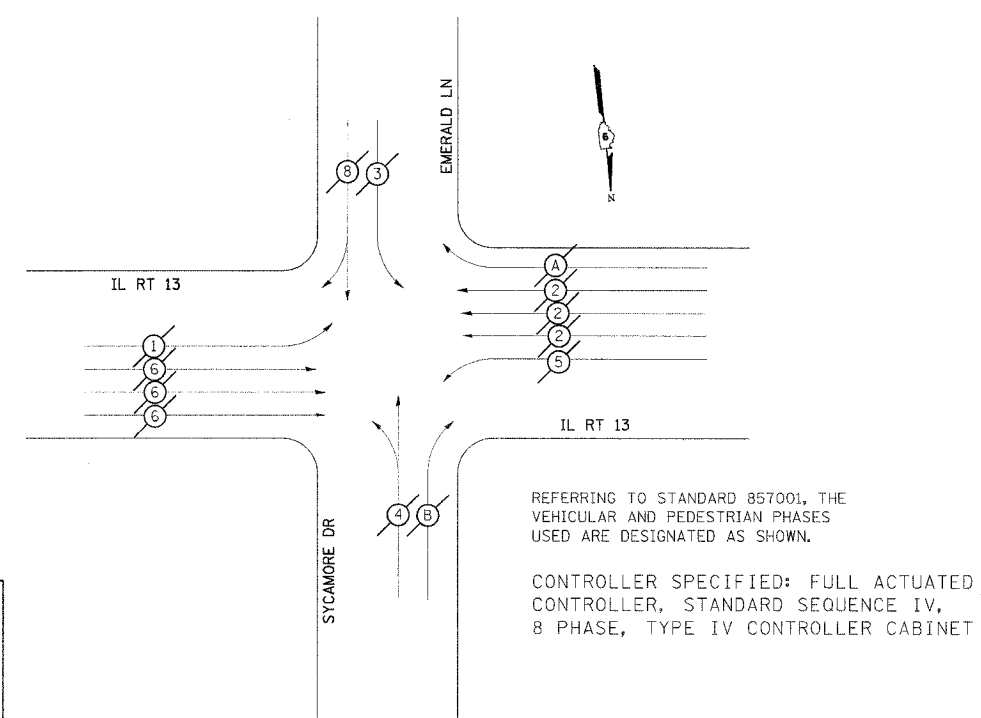
DETAIL 6' x 6' DETECTOR LOOPS

REVISIONS

REVISION	DATE	BY
REVISION	DATE	BY
REVISION	DATE	BY

STD. 9-92

PHASE DESIGNATION DIAGRAM IL RTE 13 WITH EMERALD LNSYCAMORE ST



REFERRING TO STANDARD 857001, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED AS SHOWN.

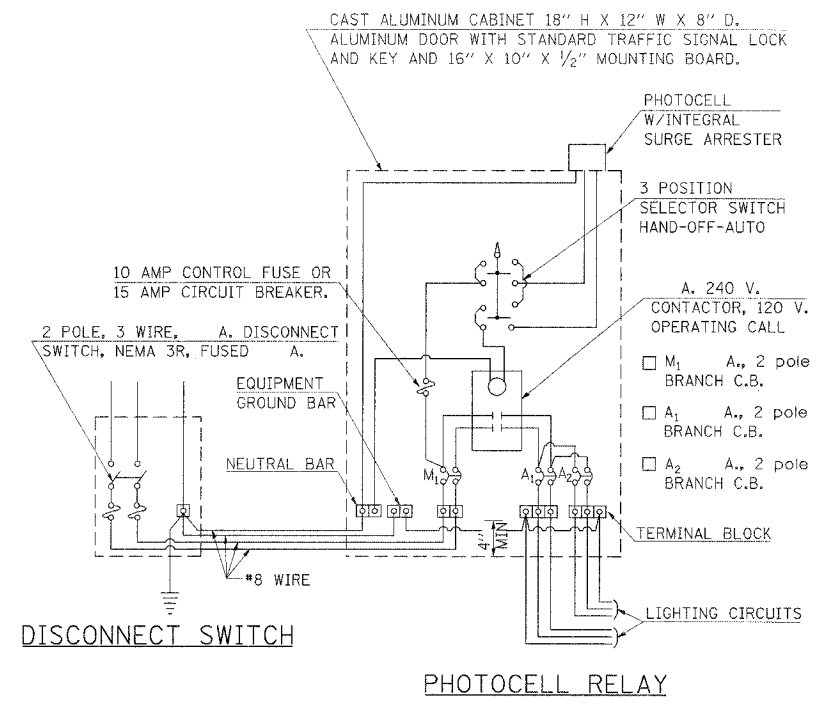
CONTROLLER SPECIFIED: FULL ACTUATED CONTROLLER, STANDARD SEQUENCE IV, 8 PHASE, TYPE IV CONTROLLER CABINET

REVISIONS

REVISION	DATE	BY
REVISION	DATE	BY
REVISION	DATE	BY

STD. 9-66

CONTROL INSTALLATION SIGNAL CABINET MOUNTED



REVISIONS

REVISION	DATE	BY
REVISION	DATE	BY
REVISION	DATE	BY

STD. 9-113

DETAILS: PHASE DESIGNATION DIAGRAMS, DETAIL OF DETECTOR LOOPS CONTROL INSTALLATION SIGNAL CABINET MOUNTED

2/16/2006
58.02038
panel

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	79
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

*(12-1)2N,1-5,TS-3,B-1

DETAIL OF PRECAST CONCRETE BOX CULVERT SECTION

(WITH COVER 2 FEET OR GREATER -
AASHTO DESIGNATION M259)
DESIGN LOADING: HS-20-44

GENERAL NOTES

SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 504.04(g) OF THE STANDARD SPECIFICATIONS.

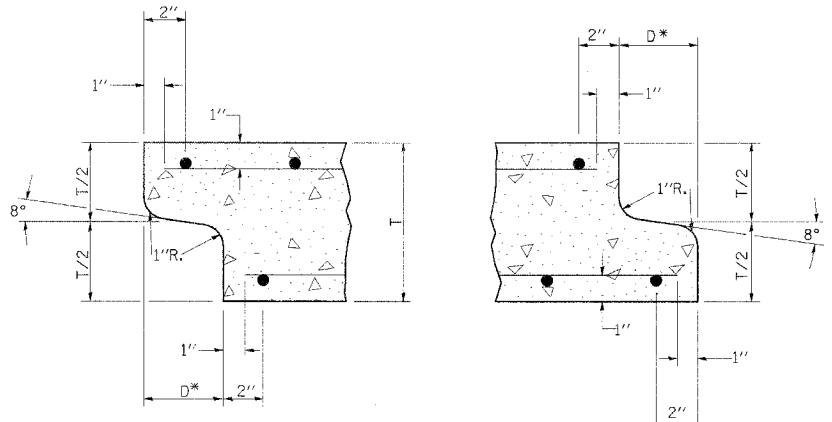
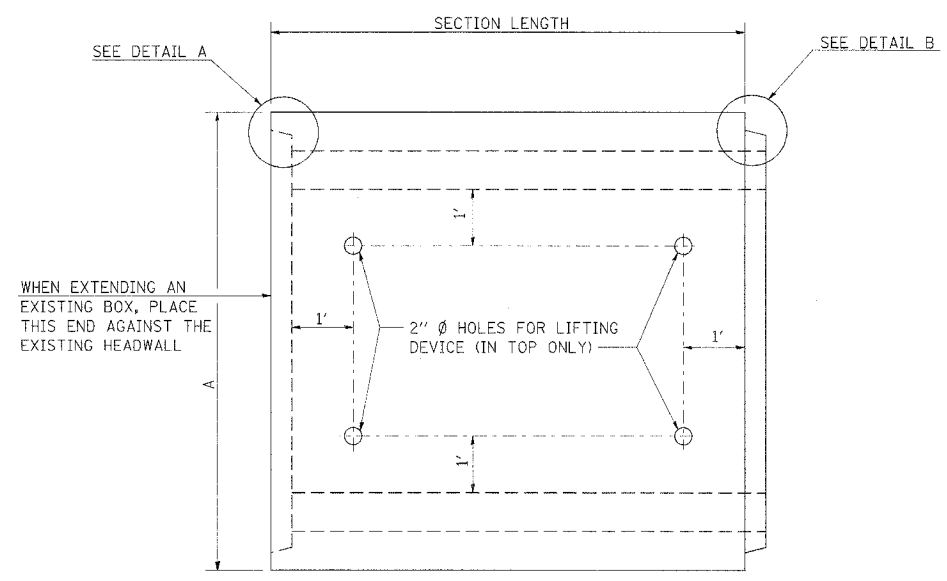
MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED WITH MASTIC IN ACCORDANCE WITH ARTICLE 1055.01 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

LIFTING HOLES SHALL BE FILLED WITH CONCRETE PLUGS AND MASTIC AFTER THE BOX SECTIONS ARE IN PLACE.

THE TERMS AS1, AS2, & AS3 DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN AASHTO M259. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO AASHTO M55-81.

DRAINAGE OPENINGS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 503.12 OF THE STANDARD SPECIFICATIONS. LOCATION AND SPACING OF THE OPENINGS SHALL BE SHOWN ON THE SHOP DRAWINGS.



DETAIL A
(TYP. INLET END)

DETAIL B
(TYP. OUTLET END)

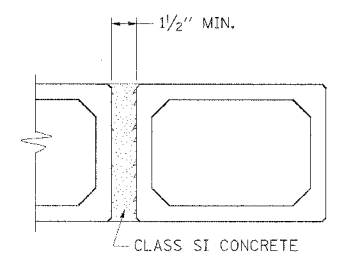
NOTE: INLET AND OUTLET ENDS SHALL BE COMPATIBLE.
*THE D DIMENSION SHALL CONFORM TO THE MANUFACTURER'S STANDARDS.

DIMENSIONS

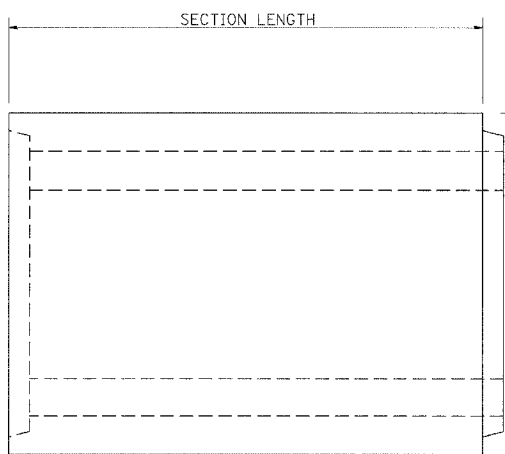
SPAN X RISE	T (INCHES)	A (FT.-IN.)	B (FT.-IN.)	C (INCHES)
2' X 2'	4	2-8	2-8	4
3' X 2'	4	3-8	2-8	4
3' X 3'	4	3-8	3-8	4
4' X 2'	5	4-10	2-10	5
4' X 3'	5	4-10	3-10	5
4' X 4'	5	4-10	4-10	5
5' X 2'	6	6-0	3-0	6
5' X 3'	6	6-0	4-0	6
5' X 4'	6	6-0	5-0	6
5' X 5'	6	6-0	6-0	6
6' X 2'	7	7-2	3-2	7
6' X 3'	7	7-2	4-2	7
6' X 4'	7	7-2	5-2	7
6' X 5'	7	7-2	6-2	7
6' X 6'	7	7-2	7-2	7
7' X 4'	8	8-4	5-4	8
7' X 5'	8	8-4	6-4	8
7' X 6'	8	8-4	7-4	8
7' X 7'	8	8-4	8-4	8
8' X 4'	8	9-4	5-4	8
8' X 5'	8	9-4	6-4	8
8' X 6'	8	9-4	7-4	8
8' X 7'	8	9-4	8-4	8
8' X 8'	8	9-4	9-4	8

SPAN X RISE	T (INCHES)	A (FT.-IN.)	B (FT.-IN.)	C (INCHES)
9' X 5'	9	10-6	6-6	9
9' X 6'	9	10-6	7-6	9
9' X 7'	9	10-6	8-6	9
9' X 8'	9	10-6	9-6	9
9' X 9'	9	10-6	10-6	9
10' X 5'	10	11-8	6-8	10
10' X 6'	10	11-8	7-8	10
10' X 7'	10	11-8	8-8	10
10' X 8'	10	11-8	9-8	10
10' X 9'	10	11-8	10-8	10
10' X 10'	10	11-8	11-8	10
11' X 4'	11	12-10	5-10	11
11' X 6'	11	12-10	7-10	11
11' X 8'	11	12-10	9-10	11
11' X 10'	11	12-10	11-10	11
11' X 11'	11	12-10	12-10	11
12' X 4'	12	14-0	6-0	12
12' X 6'	12	14-0	8-0	12
12' X 8'	12	14-0	10-0	12
12' X 10'	12	14-0	12-0	12
12' X 12'	12	14-0	14-0	12

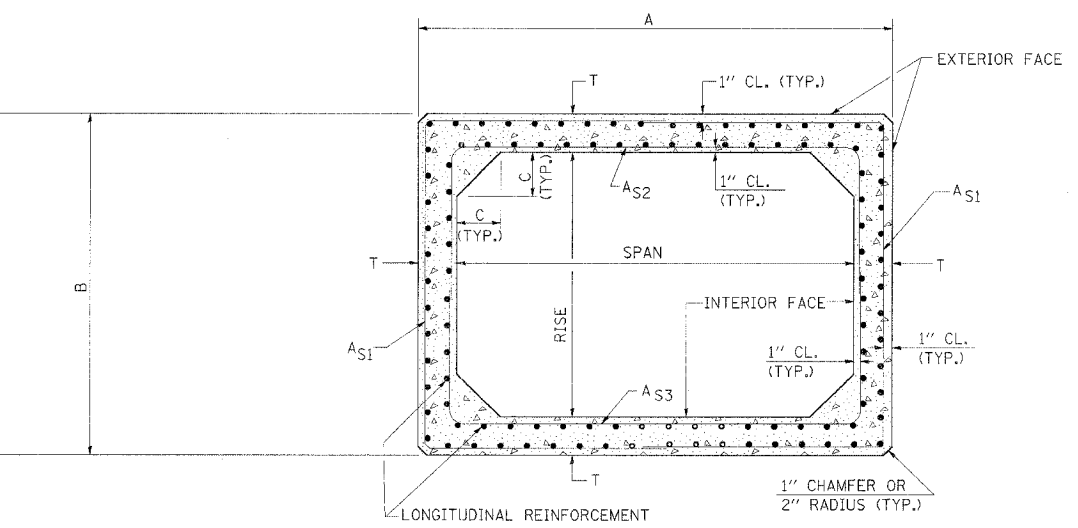
PLAN
LOCATION OF LIFTING HOLES MAY BE VARIED AS NEEDED TO CLEAR REINFORCEMENT.



MULTIPLE UNIT PLACEMENT



ELEVATION

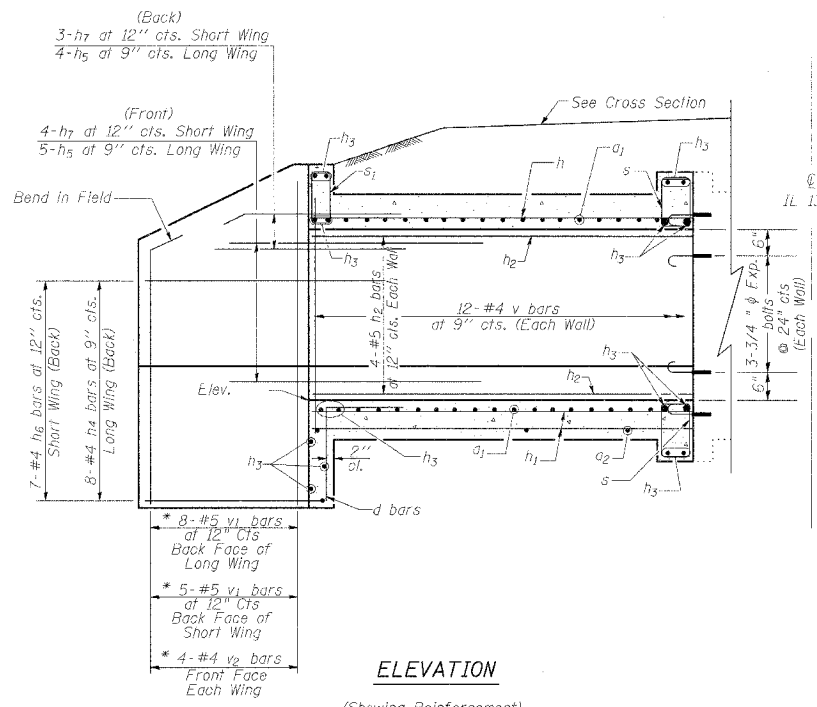


CROSS SECTION

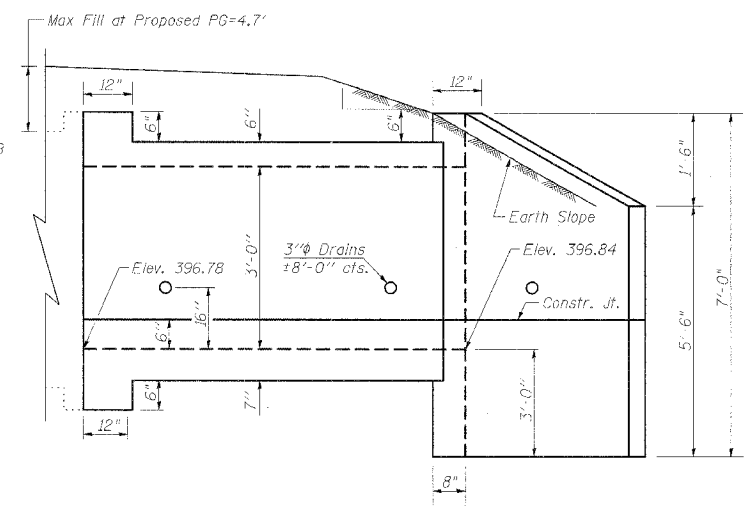
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REVISIONS
DRAWN 8-7-89
REVISED 3-27-90
REVISED 8-16-94

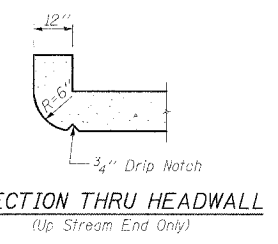
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
331	*	JACKSON	258	80	1 SHEETS
STA.	TO STA.				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



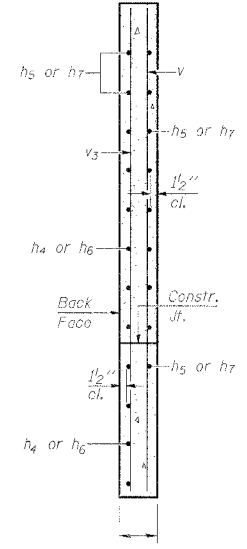
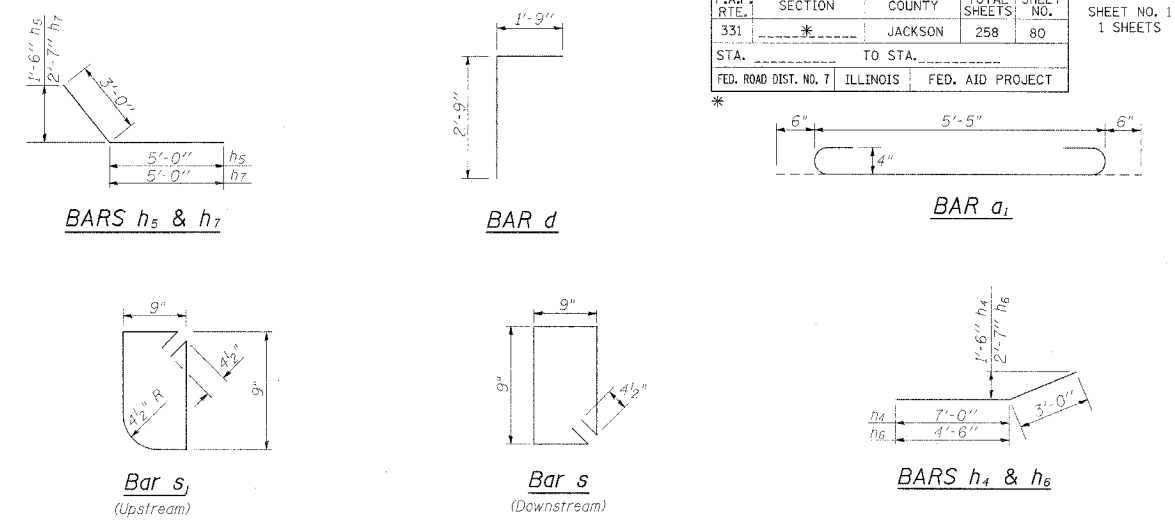
ELEVATION
(Showing Reinforcement)
* Bend or Cut in Field to Fit



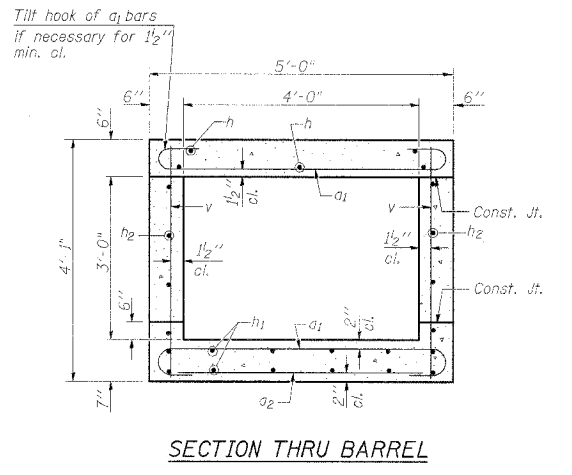
ELEVATION
(Showing Dimensions)



SECTION THRU HEADWALL
(Up Stream End Only)



SECTION A-A



SECTION THRU BARREL

BILL OF MATERIAL
(cast-in-place 4'x3' box culvert extension)

Bar	No.	Size	Length	Shape
a1	28	#4	6'-5"	U
a2	5	#4	5'-5"	U
d	5	#4	4'-6"	U
h	8	#5	7'-8"	U
h1	12	#4	7'-8"	U
h2	8	#5	7'-8"	U
h3	15	#6	5'-5"	U
h4	8	#4	10'-0"	U
h5	9	#4	8'-0"	U
h6	7	#4	7'-6"	U
h7	7	#4	8'-0"	U
s	6	#4	3'-9"	U
s1	6	#4	3'-7"	U
v	26	#4	3'-9"	U
v1	13	#5	6'-9"	U
v2	8	#4	6'-9"	U

Concrete Box Culverts	Cu. Yd.	5.0
Reinforcement Bars	Pound	860
3/4" Expansion Bolts	Each	18

DESIGN STRESSES

$f_y = 60,000 \text{ psi}$
 $f'_c = 3,500 \text{ psi}$

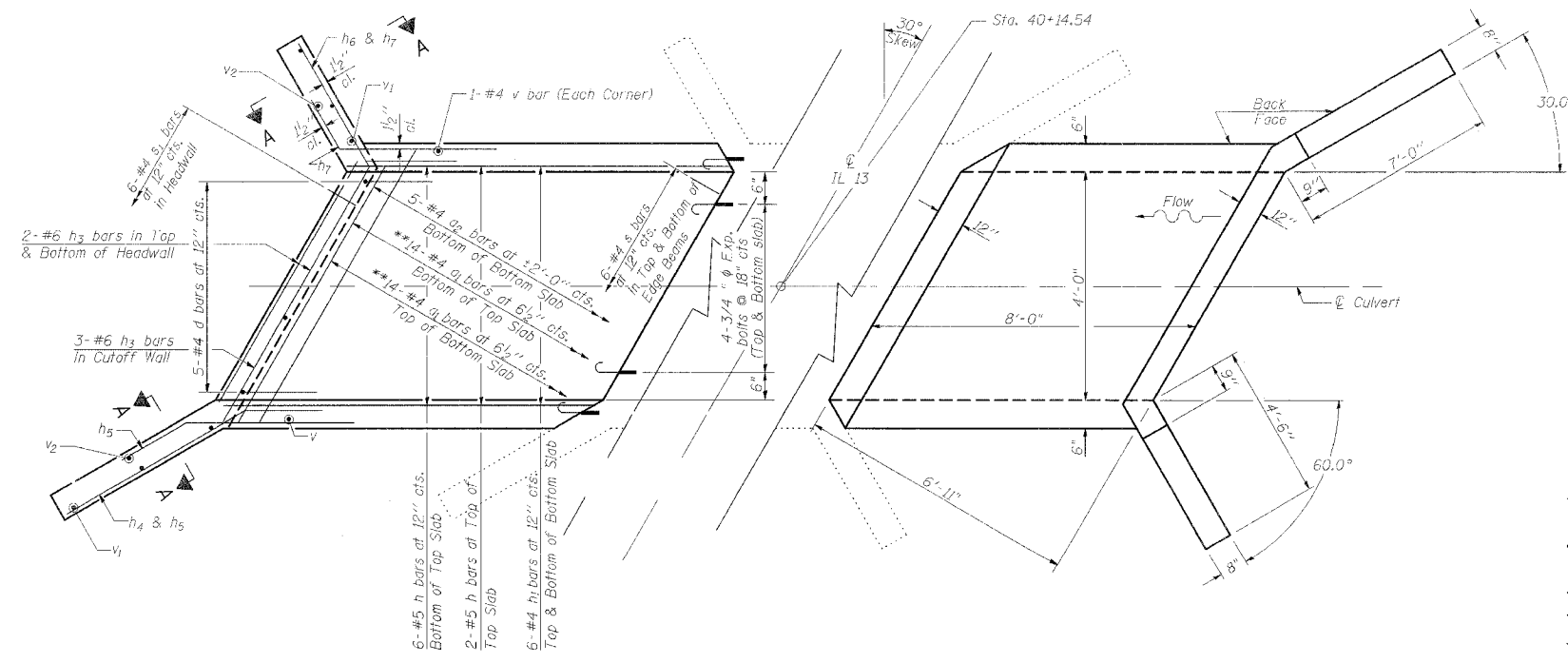
LOADING HS 20-44

Allow 50#/sq. ft for Future Wearing Surface

DESIGN SPECIFICATIONS
2002 AASHTO

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of AASHTO M31, M42 or M53 Grade 60.
2. For backfilling and embankment, see Standard Specifications.
3. Precast culvert alternative is not allowed.
4. Exposed edges shall have a 3/4" chamfer.
5. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
6. All construction joints shall be bonded.
7. Expansion bolts shall be 3/4" ϕ X 12" hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete and have a minimum certified proof load of 4,080 lbs.



PLAN
(Showing Reinforcement)

PLAN
(Showing Dimensions)

**CAST-IN-PLACE BOX CULVERT EXTENSION
AT SOUTHWEST QUADRANT OF
IL 13 AND GLENVIEW DR
STA 40+14.54**

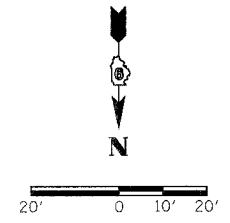
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	81
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Existing Structures:

The single barrel 7'X5' cast-in-place box culvert under Illinois Route 13 EB was built in 1938 and was extended to the Northwest in 1954 when Illinois Route 13 WB was added.

The single barrel 6'X4' precast box culvert under Emerald Lane was built in 1938.

Both box culverts shall be extended and connected using a cast-in-place Junction Box Culvert at the Southwest quadrant of Illinois Route 13 and Emerald Lane. The 7'X5' box culvert shall also be extended using a cast-in-place box culvert at the Northwest quadrant of Illinois Route 13 and Sycamore Street.



GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of AASHTO M31, M42 or M53 Grade 60.
2. For backfilling and embankment, see Standard Specifications.
3. Precast culvert alternative is not allowed.
4. Exposed edges shall have a 3/4" chamfer.
5. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
6. All construction joints shall be banded.
7. Expansion bolts shall be 3/4" φ X 12" hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete and have a minimum certified proof load of 4,080 lbs.

BILL OF MATERIAL

(cast-in-place junction box culvert)

Bar	No.	Size	Length	Shape
a1	48	#5	7'-10"	U
a2	7	#4	6'-6"	U
a3	80	#7	9'-9"	U
a4	12	#4	8'-0"	U
a5	8	#6	2'-6"	U
d	9	#4	4'-6"	L
h	10	#5	12'-2"	U
h1	14	#4	13'-6"	U
h2	10	#5	12'-2"	U
h3	9	#6	21'-5"	U
h4	18	#4	21'-5"	U
h5	9	#5	21'-5"	U
h6	6	#5	9'-5"	U
h7	6	#5	5'-8"	U
h8	15	#6	8'-2"	U
h9	9	#6	11'-6"	U
h10	11	#6	8'-0"	U
h11	8	#6	10'-6"	U
h12	11	#6	8'-0"	U
L	12	#5	4'-4"	L
L1	8	#5	3'-5"	L
v	36	#4	4'-9"	U
v1	54	#4	5'-10"	U
v2	17	#5	8'-9"	U
v3	8	#4	8'-9"	U
x	30	#4	5'-3"	U
x1	6	#4	8'-0"	U
x2	6	#4	6'-1"	U
Concrete Box Culverts	Cu. Yd.	22.9		
Reinforcement Bars	Pound	4860		
3/4" Expansion Bolts	Each	20		

BILL OF MATERIAL

(cast-in-place 7'X5' box culvert extension)

Bar	No.	Size	Length	Shape
a1	76	#7	10'-3"	U
a2	11	#4	8'-6"	U
d	8	#4	4'-6"	L
h	11	#5	19'-8"	U
h1	16	#4	19'-8"	U
h2	12	#5	19'-8"	U
h3	15	#6	8'-7"	U
h4	9	#6	13'-6"	U
h5	11	#6	8'-0"	U
h6	10	#5	10'-0"	U
h7	12	#5	8'-0"	U
v	58	#4	5'-9"	U
v1	19	#5	8'-9"	U
v2	8	#4	8'-9"	U
Concrete Box Culverts	Cu. Yd.	16.5		
Reinforcement Bars	Pound	3520		
3/4" Expansion Bolts	Each	18		

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2002 AASHTO

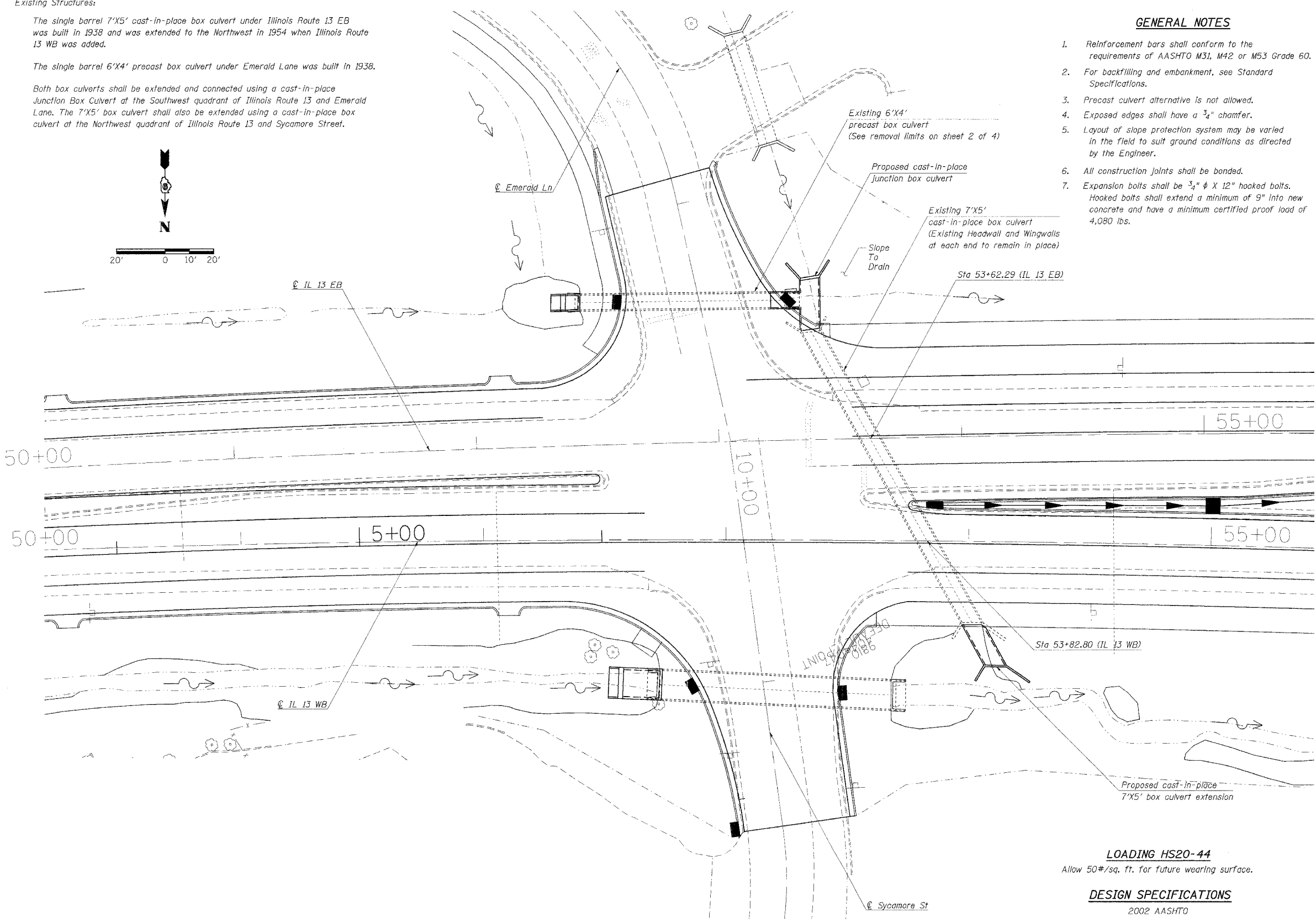
DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi

fy = 60,000 psi (reinforcement)

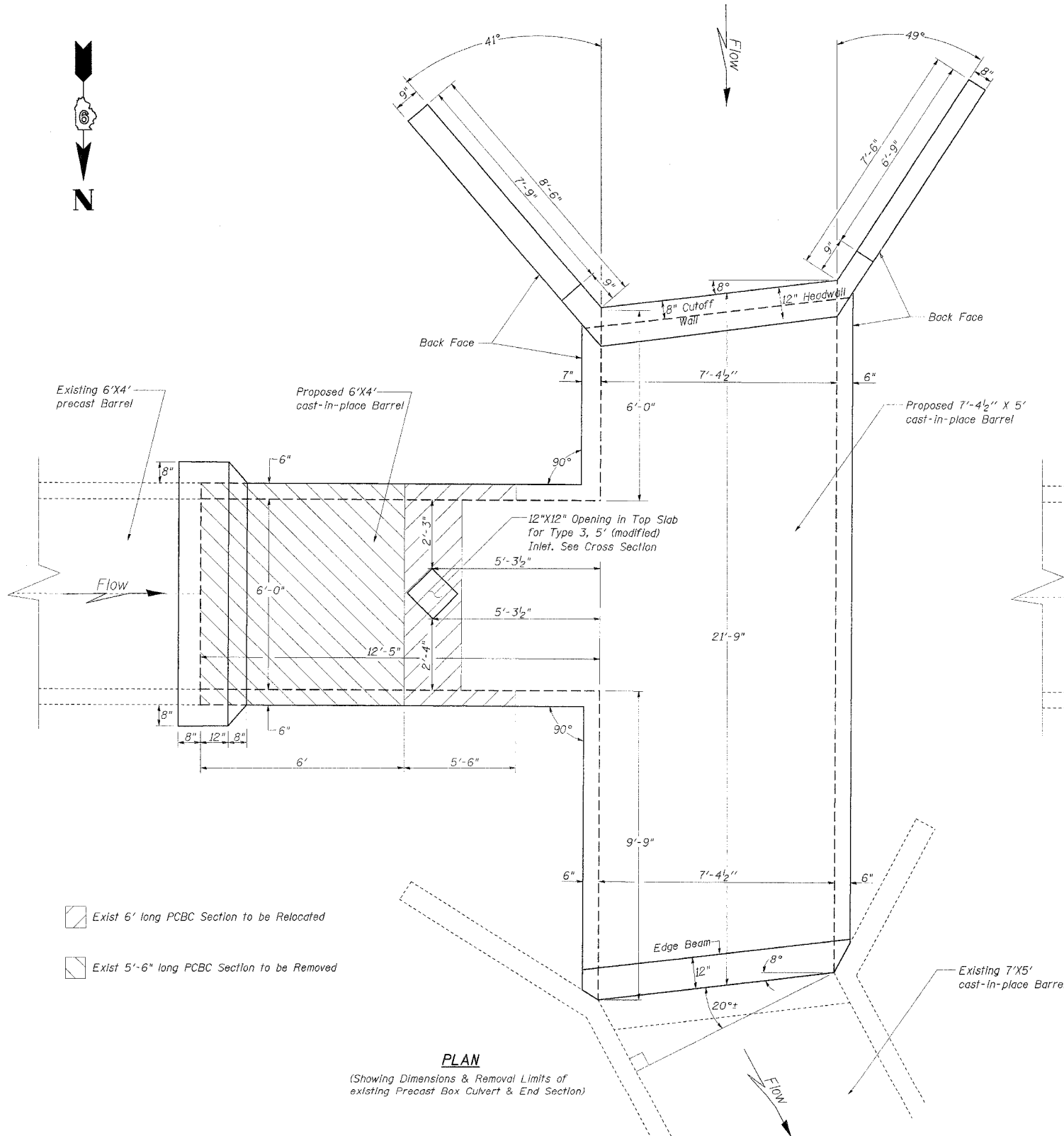
PLAN



2/15/2006
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 22.0000' / 1" = 100'
 rodeva.cad

CAST-IN-PLACE BOX CULVERT EXTENSIONS AT IL 13 AND EMERALD LN/SYCAMORE ST STA 53+62.29 (EB) & STA 53+82.80 (WB)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
331	*	JACKSON	258	82	4 SHEETS
STA.	TO STA.				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			



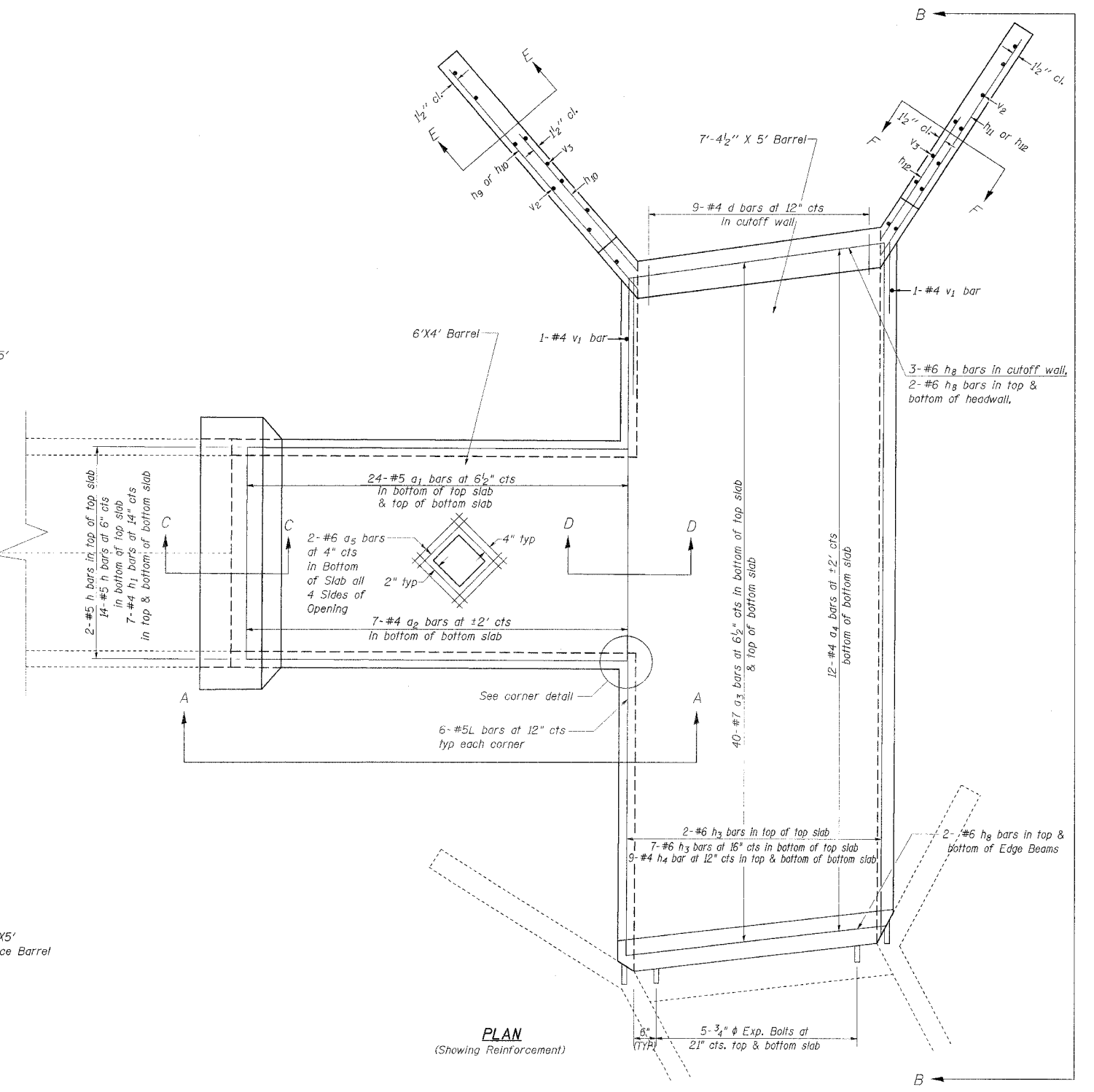
PLAN
(Showing Dimensions & Removal Limits of existing Precast Box Culvert & End Section)

- Exist 6' long PCBC Section to be Relocated
- Exist 5'-6" long PCBC Section to be Removed

NOTES:

Existing 6' Precast Box Culvert Section shall be Relocated to Upstream End (SE Quad-Emerald) and placed at end of existing 6'x4' Precast Box Culvert. The existing Upstream End Section shall be removed and placed at end of this Relocated Section.
This work will be paid for as: Relocate Exist Precast Box Culvert Section, 6'x4' and Each for: Relocate Exist Precast Box Culvert End Section, 6'x4'

2/16/2006
c:\projects\98827\plan\plan.dwg
jackson



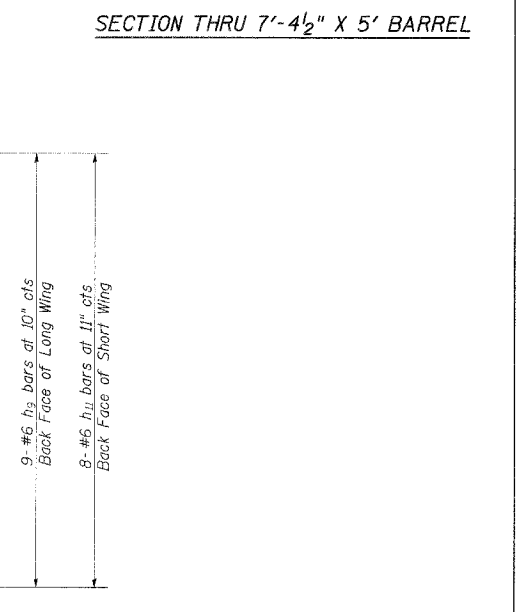
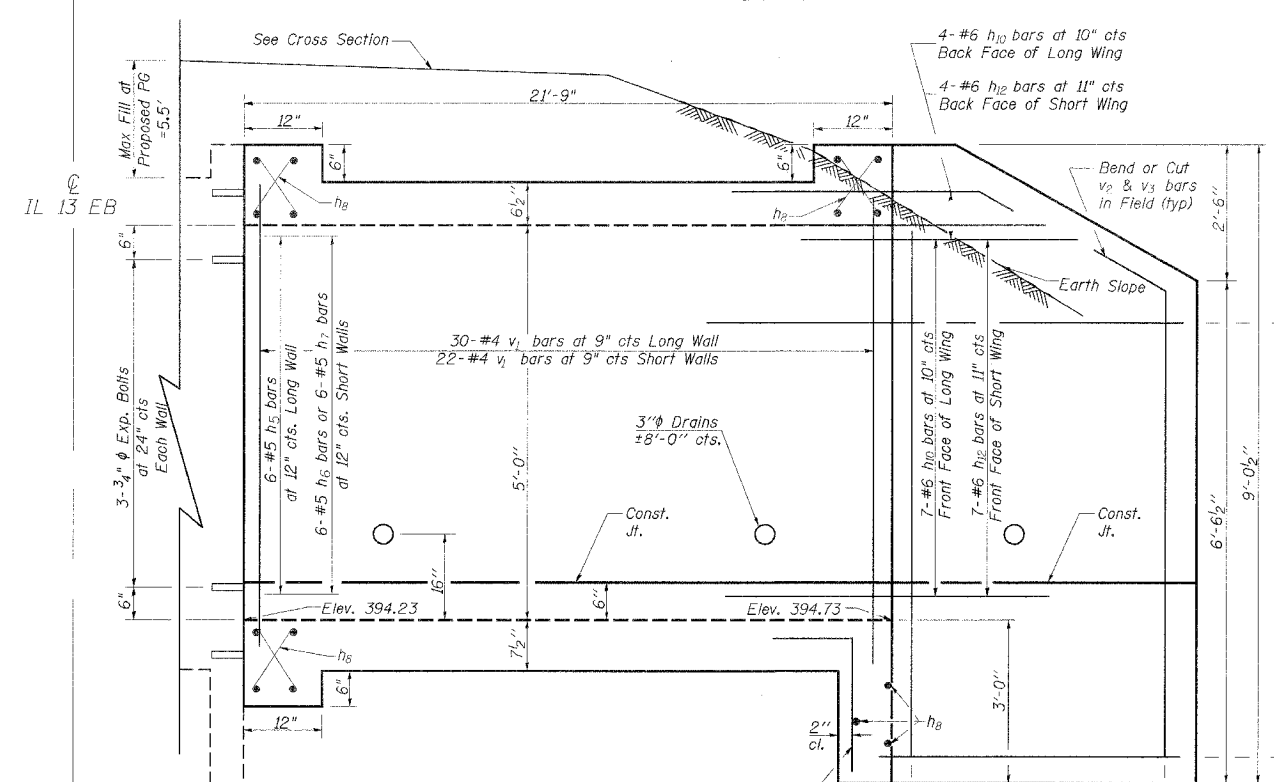
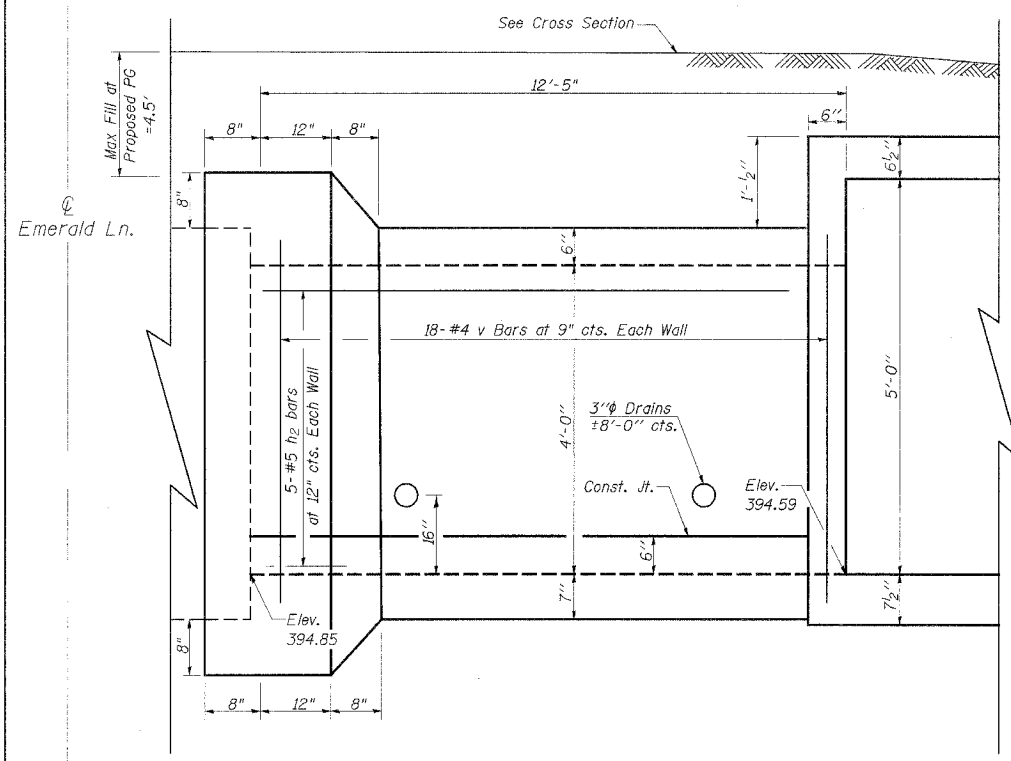
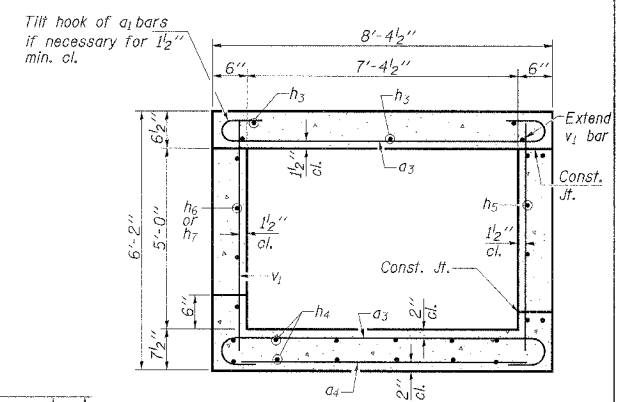
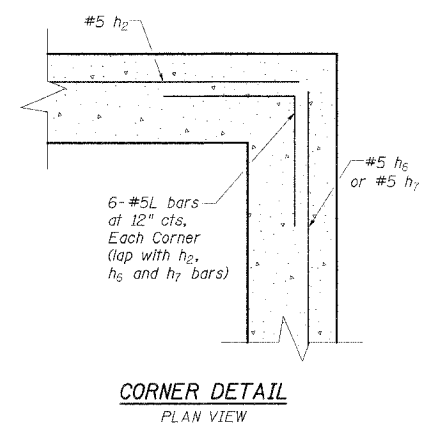
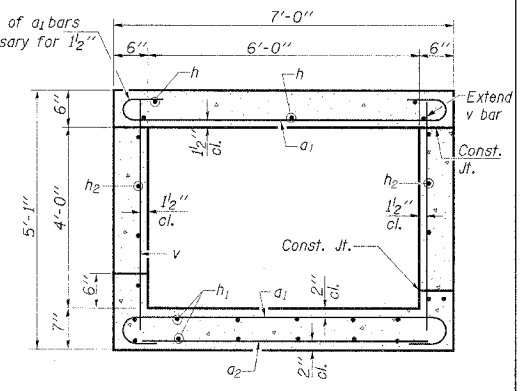
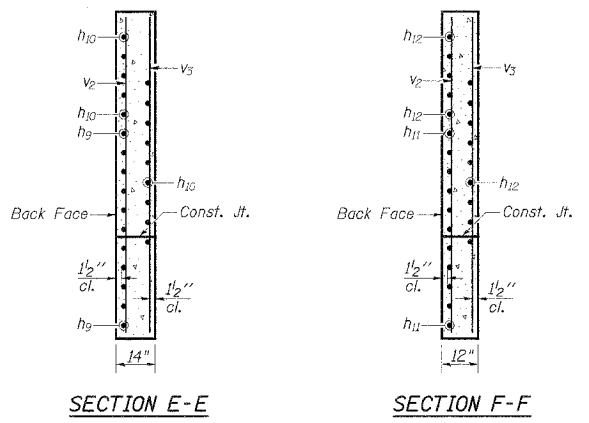
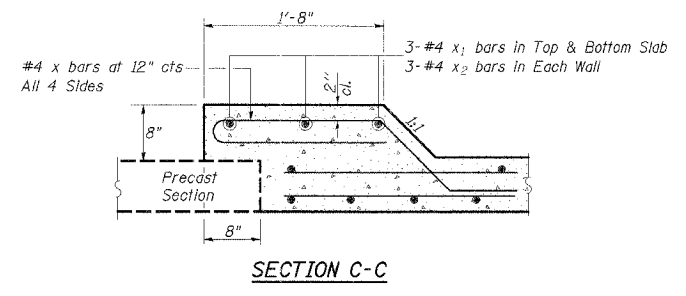
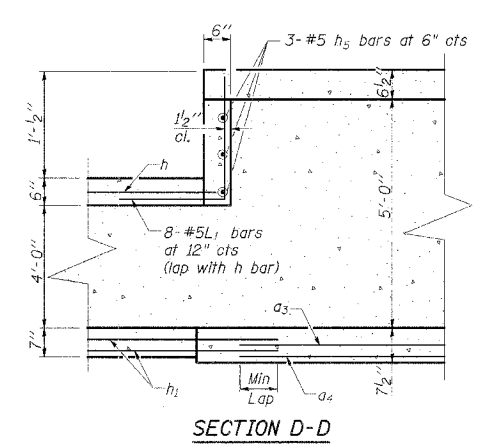
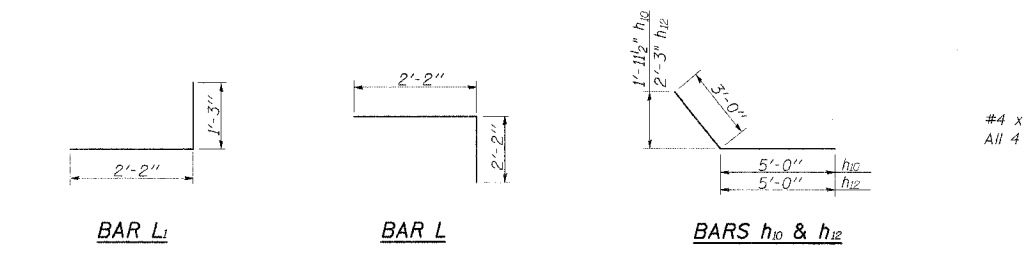
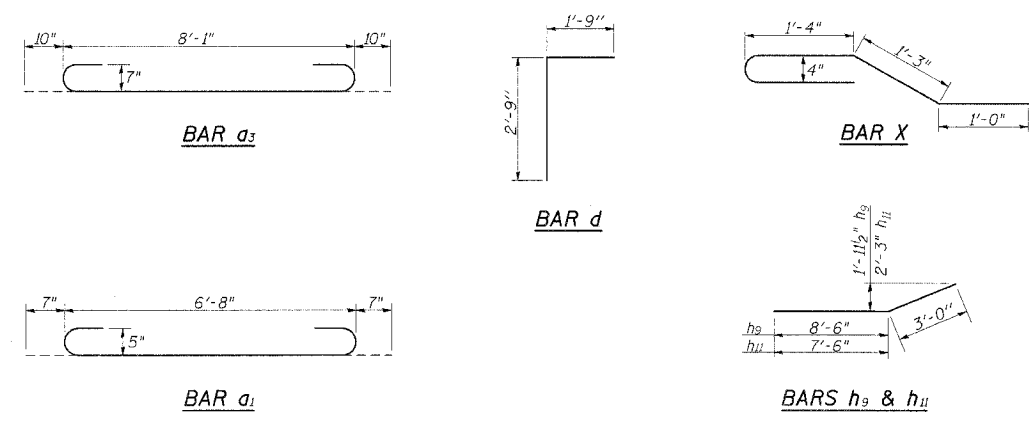
PLAN
(Showing Reinforcement)

Note: Work this sheet with sheet #3 of 4.

MIN BAR LAP
#4 = 1'-4" used in bottom slab
#5 = 2'-2" used in corners

**CAST-IN-PLACE JUNCTION BOX CULVERT
AT SOUTHWEST QUADRANT OF
IL 13 AND EMERALD LANE
STA 53+62.29 (EB)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3
331	*	JACKSON	258	83	4 SHEETS
STA.	TO STA.		FED. AID PROJECT		
	ILLINOIS				



ELEVATION VIEW A-A OF 6' X 4' BARREL

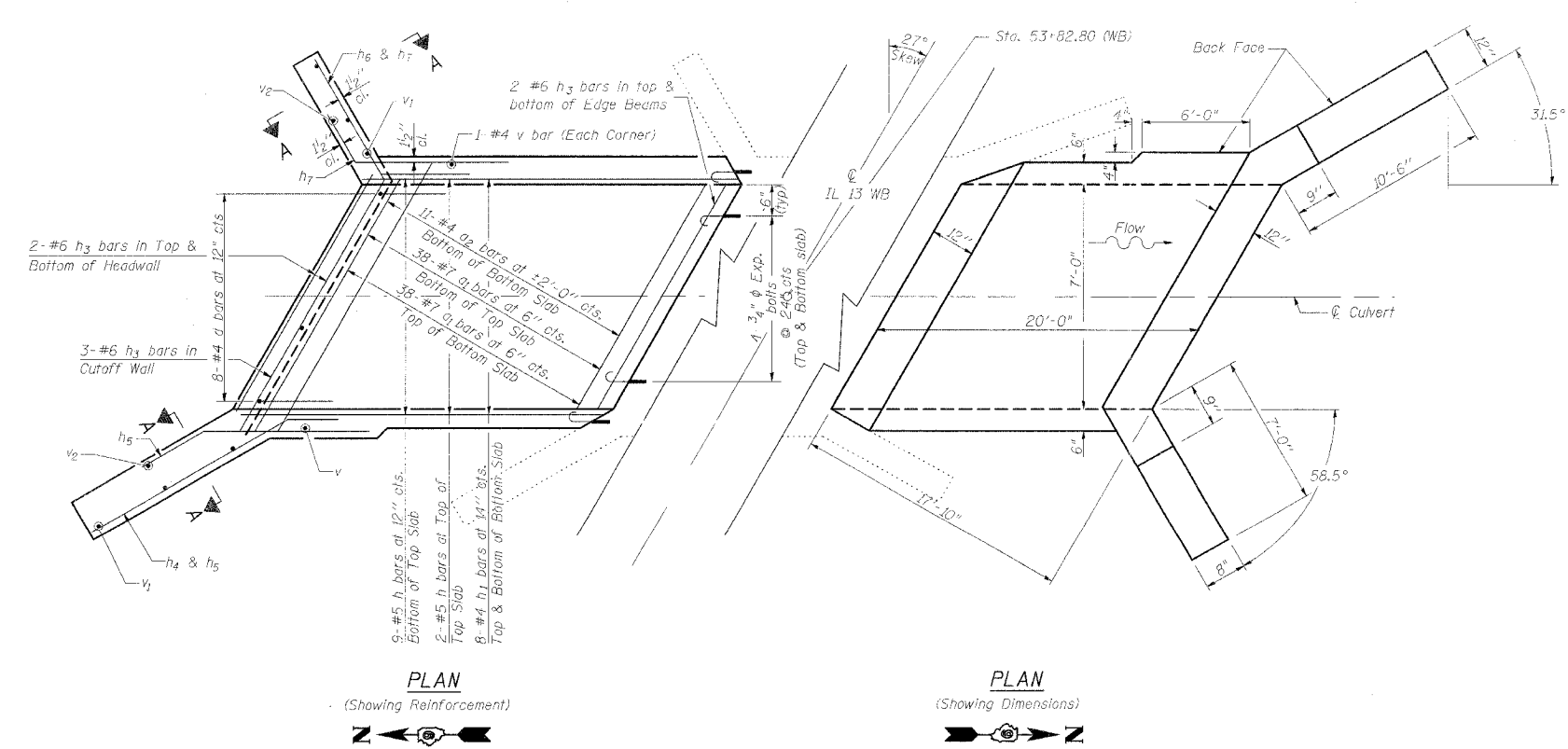
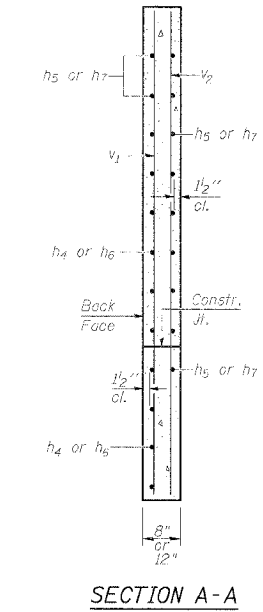
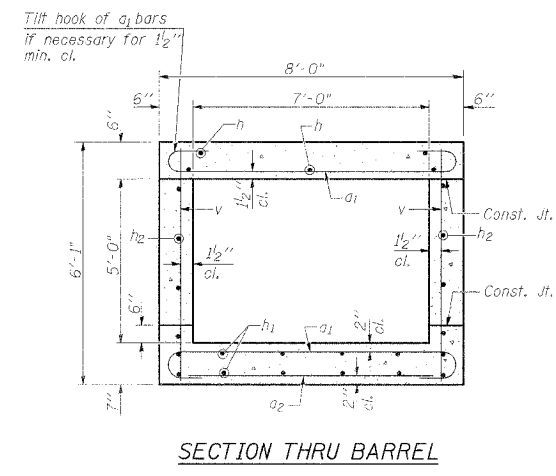
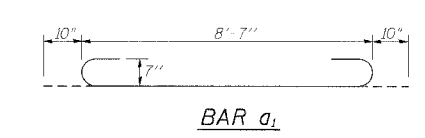
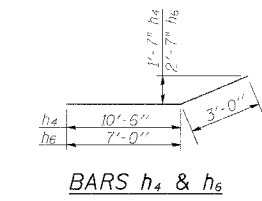
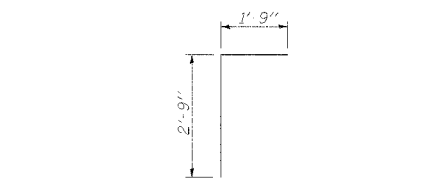
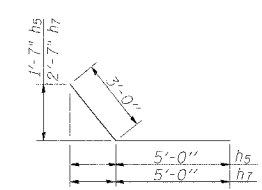
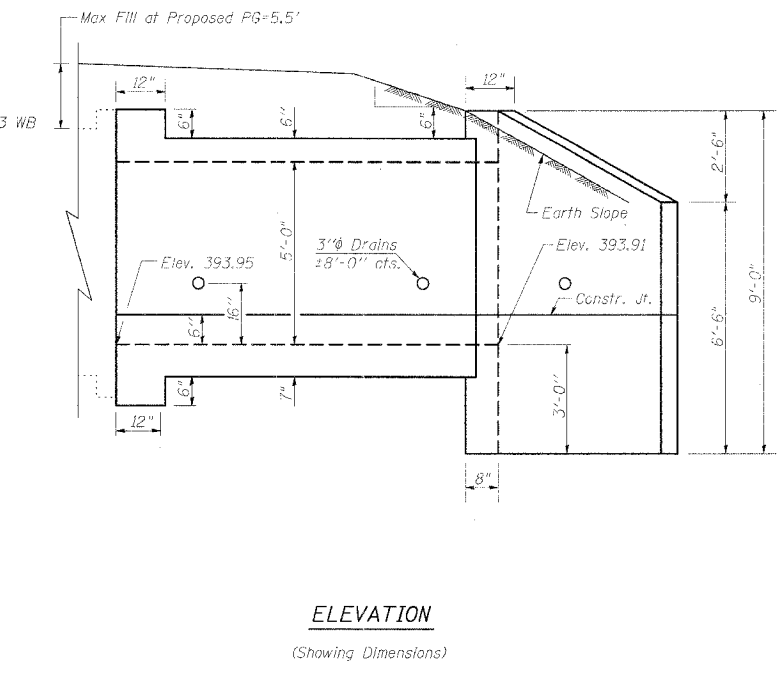
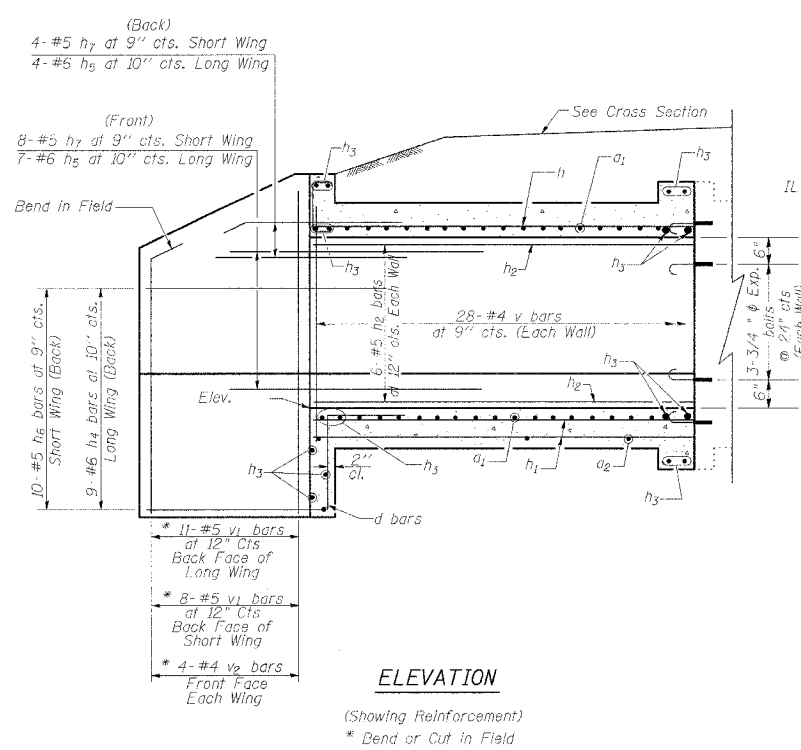
ELEVATION VIEW B-B OF 7'-4 1/2' X 5' BARREL

**CAST-IN-PLACE JUNCTION BOX CULVERT
AT SOUTHWEST QUADRANT OF
IL 13 AND EMERALD LANE
STA 53+62.29 (EB)**

* Bend or Cut in Field to Fit

2/16/2006
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58.00000' / IN
roadweld.dwg

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4 4 SHEETS
331	*	JACKSON	258	84	
STA.		TO STA.			
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

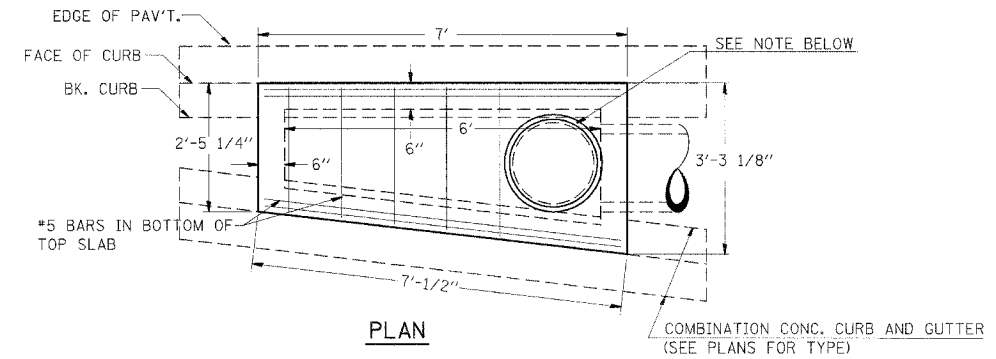


CAST-IN-PLACE BOX CULVERT EXTENSION
AT NORTHWEST QUADRANT OF
IL 13 AND SYCAMORE ST
STA 53+82.80 (WB)

2/16/2006
en:\proj\103\103\103\103.dwg
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madsen (lind)

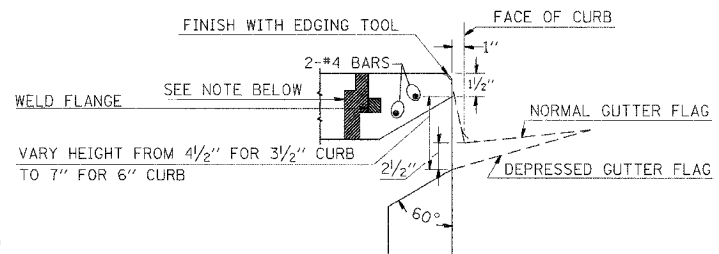
F.A.P. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
331	*	JACKSON	258	85
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
(12-1)2N,1-5,TS-3,B-1				

DETAILS OF INLET SPECIAL, NO 1

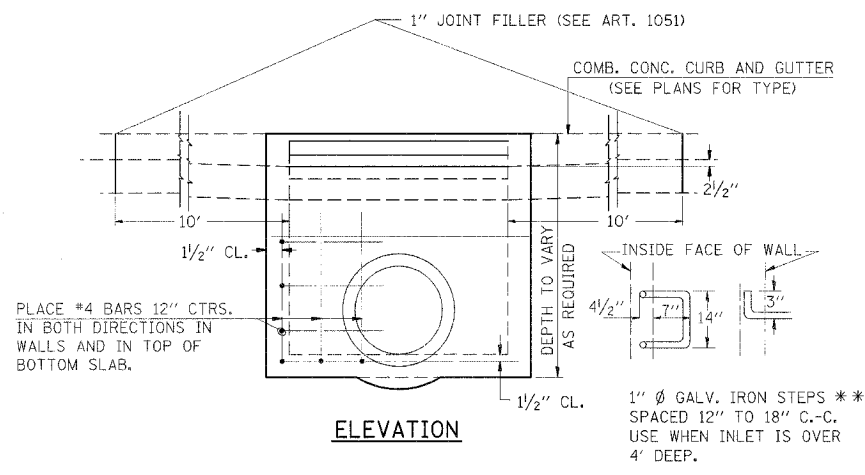


PLAN

COMBINATION CONC. CURB AND GUTTER (SEE PLANS FOR TYPE)



DETAIL AT WEIR



ELEVATION

1" Ø GALV. IRON STEPS ** SPACED 12" TO 18" C.-C. USE WHEN INLET IS OVER 4' DEEP.

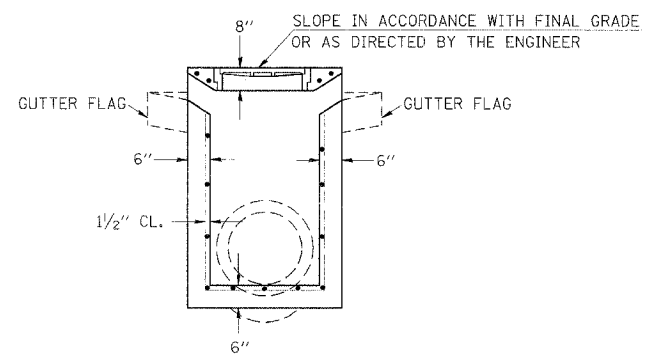
NOTES:

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2 1/2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL, NO 1 WHICH PRICE SHALL INCLUDE THE CAST IRON SLAB TYPE MANHOLE FRAME AND LID (NEENAH R-6143 OR EQUIVALENT), REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

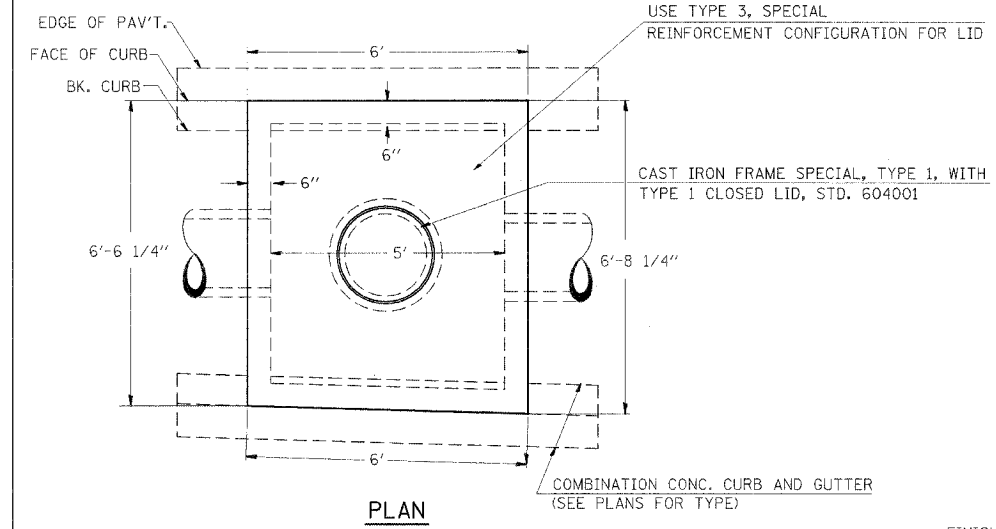
WELD 2" X 2" X 1" (THICK) STEEL FLANGES AT 6" CTS AROUND OUTSIDE PERIMETER OF FRAME TO PROVIDE ADDITIONAL AXIAL REINFORCEMENT FOR TOP SLAB.

**THE GALV. IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.



SECTION

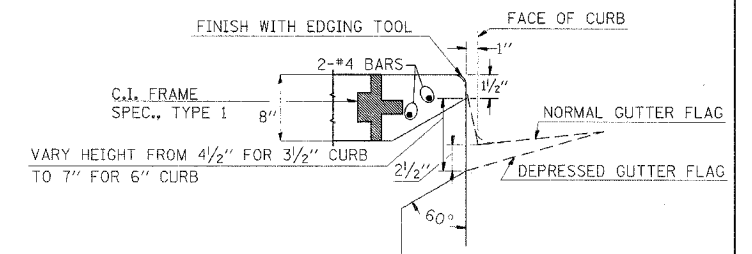
DETAILS OF INLET SPECIAL, NO 2



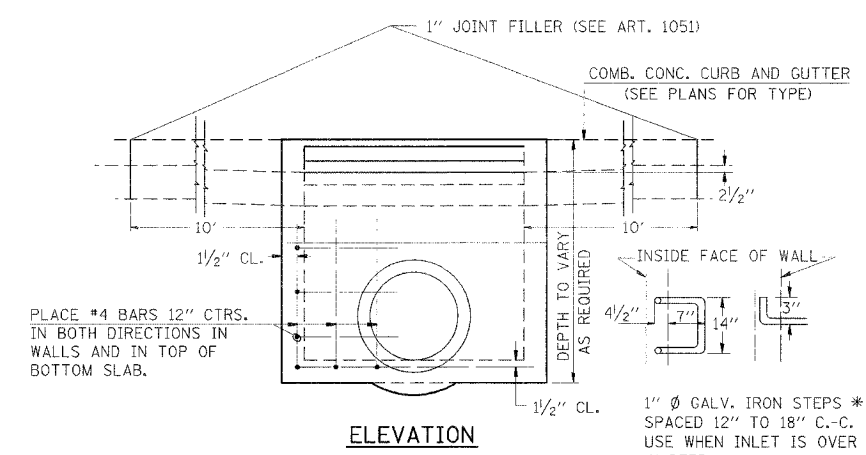
PLAN

CAST IRON FRAME SPECIAL, TYPE 1, WITH TYPE 1 CLOSED LID, STD. 604001

COMBINATION CONC. CURB AND GUTTER (SEE PLANS FOR TYPE)



DETAIL AT WEIR



ELEVATION

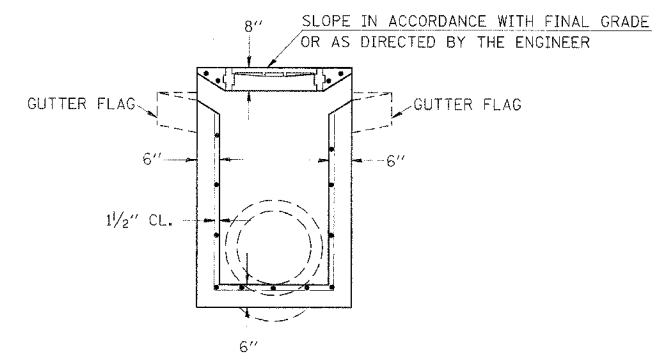
1" Ø GALV. IRON STEPS ** SPACED 12" TO 18" C.-C. USE WHEN INLET IS OVER 4' DEEP.

NOTES:

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2 1/2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL, NO 2 WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

**THE GALV. IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.



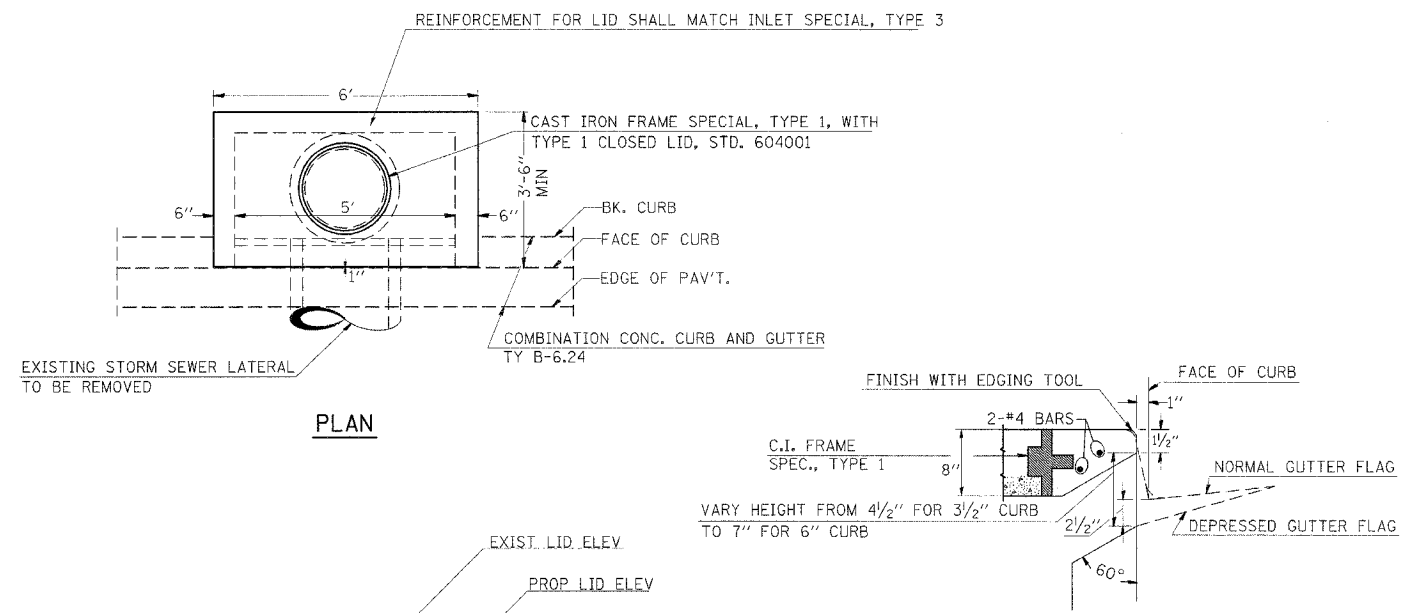
SECTION

**DETAILS: INLET SPECIAL, NO 1
INLET SPECIAL, NO 2**

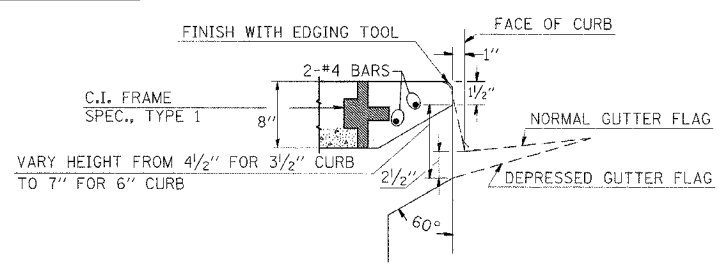
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58,000 7 IN
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F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	86
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (12-1)2N,1-5,TS-3,B-1				

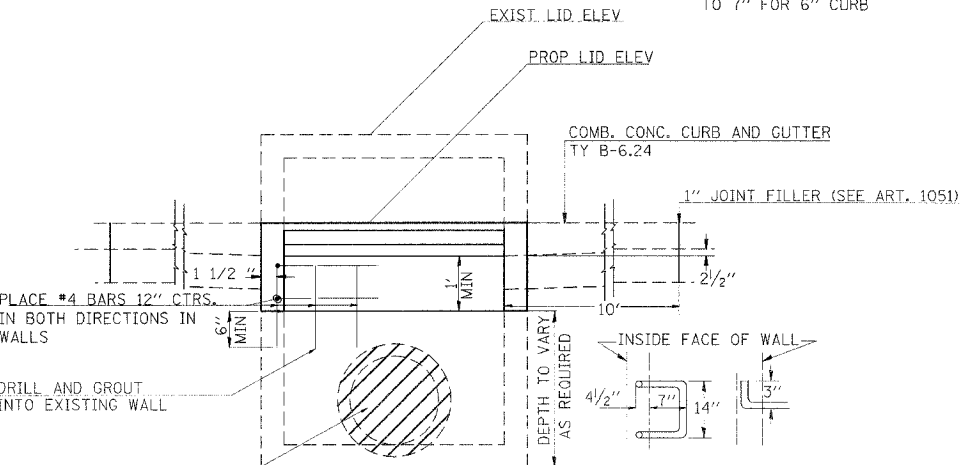
INLET MODIFICATION



PLAN

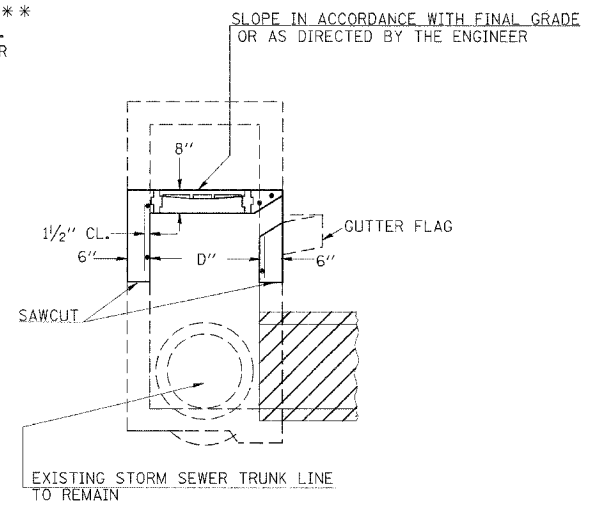


DETAIL AT WEIR



ELEVATION

DESIGN	PIPE DIAM.	"D"
A	18" & LESS	2'-6"
B	21" & 24"	3'-0"
C	27" & 30"	3'-7"
D	33" & 36"	4'-2"
E	42"	4'-9"
F	48"	5'-0"
G	54"	6'-1"



SECTION

NOTES:

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2 1/2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.

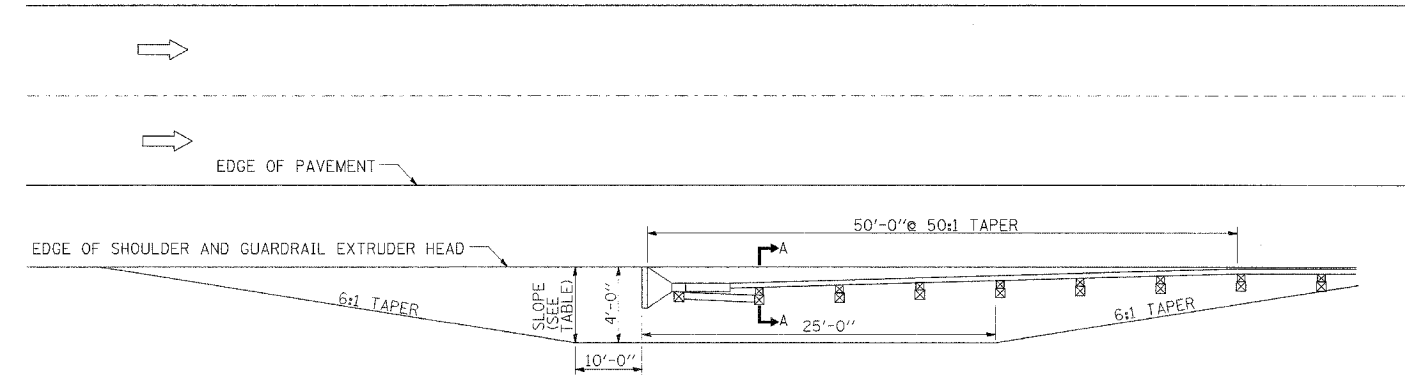
INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET MODIFICATION WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.

**THE GALV. IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.

PRECAST INLET LIDS MAY BE USED IN CONJUNCTION WITH CAST IN PLACE WALLS WHEN APPROVED BY THE ENGINEER

REMOVAL ELEVATION SHALL BE DETERMINED BY THE ENGINEER ON AN INDIVIDUAL BASIS FOR EACH INLET TO BE MODIFIED GIVEN THE PROPOSED LID ELEVATIONS AND CONDITION OF EXISTING WALLS

SHOULDER WIDENING TRANSITION FOR TANGENT TERMINAL

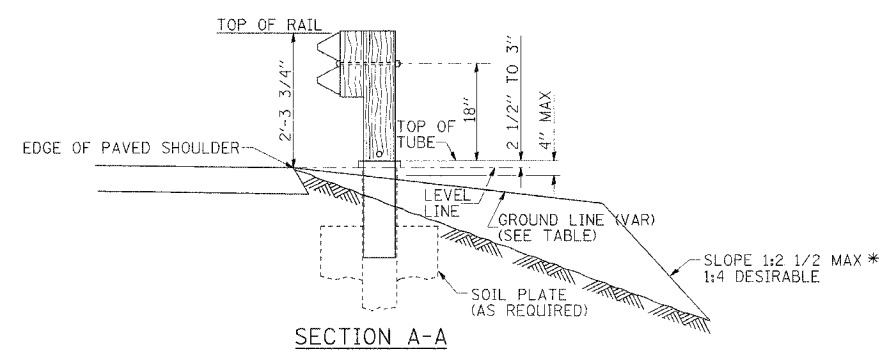


TOP OF TUBE ABOVE EDGE SHOULDER	SLOPE NOT STEEPER THAN
2 1/2"	1:12
3"	1:17

GENERAL NOTES

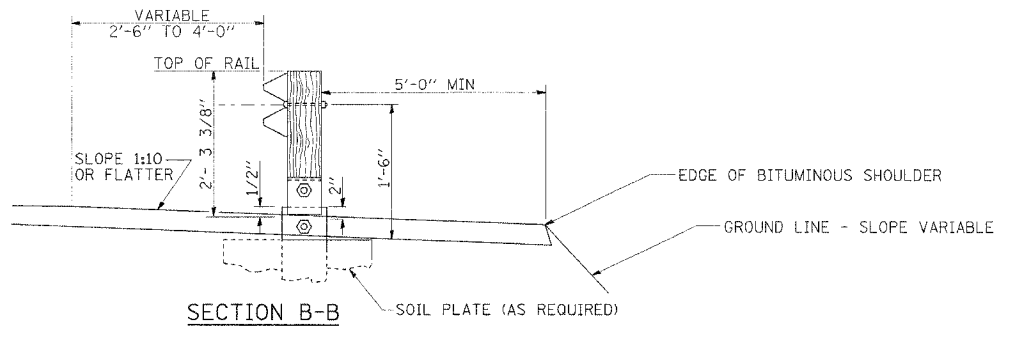
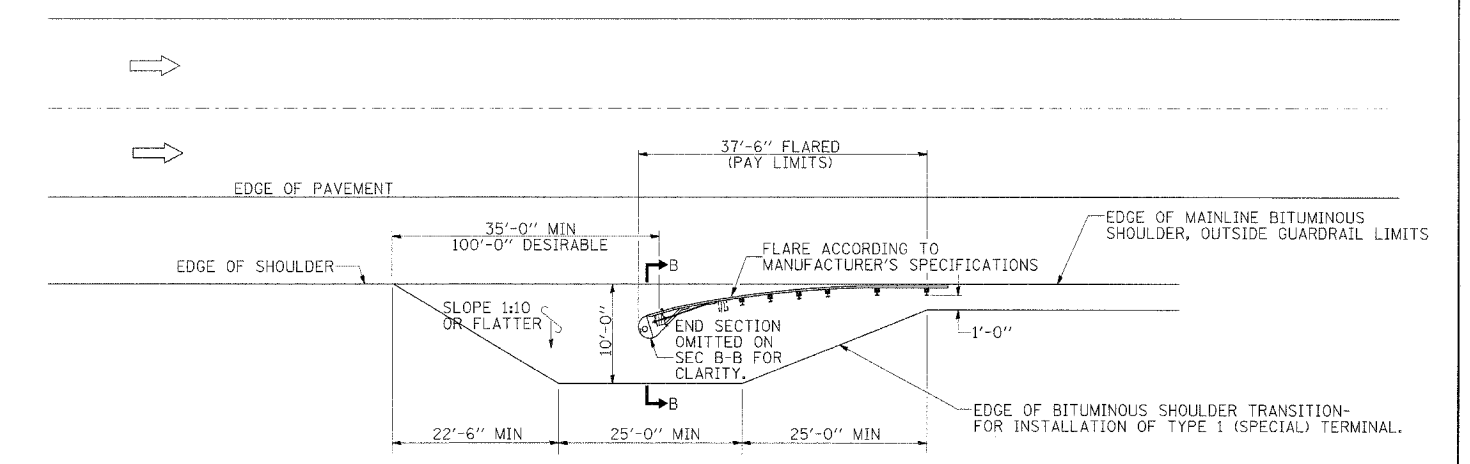
50:1 TAPER REQUIRED SO THE EXTRUDER HEAD WILL NOT ENCRUCH ON THE SHOULDER. ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
STANDARD 630301-01



SECTION A-A

SHOULDER WIDENING TRANSITION FOR FLARED TERMINAL



SECTION B-B

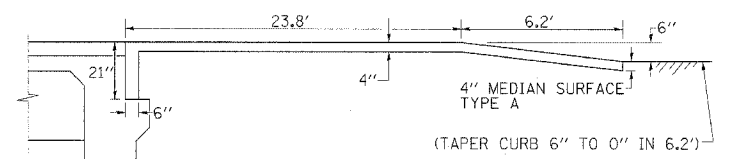
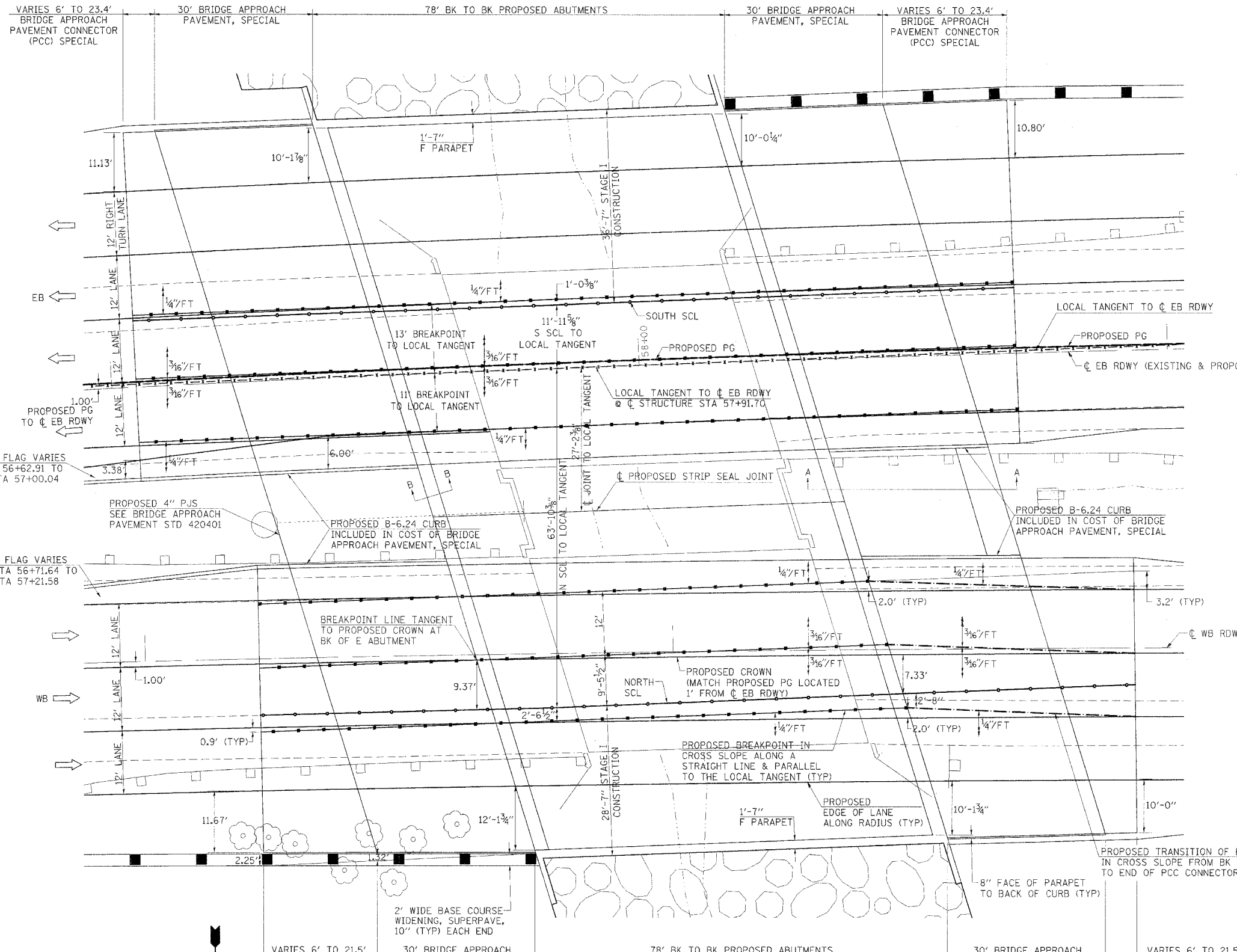
SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
STANDARD 630301-01

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	1-19-99

STD. 9-1

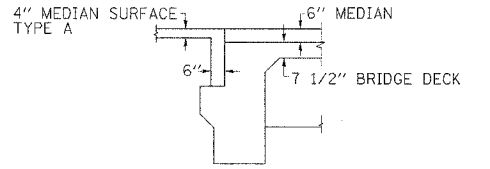
DETAILS: INLET MODIFICATION, TRAFFIC BARRIER TERMINALS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	87
STA.	TO STA.			
FED. ROAD DIST. NO. -	ILLINOIS	FED. AID PROJECT		
*(12-1)2N, I-5, TS-3, B-1				



SECTION A-A

WEST MEDIAN NOSE BETWEEN EB & WB APPROACH PAVEMENT



SECTION B-B

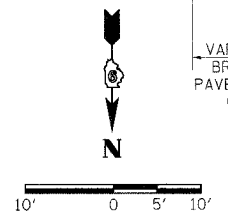
LEGEND

- LOCAL TANGENT TO ϕ EB ROADWAY @ ϕ STRUCTURE STA 57+91.70
- - - PROPOSED PG 1' FROM ϕ EB ROADWAY (EXISTING & PROPOSED)
- PROPOSED BREAKPOINT IN CROSS SLOPE ALONG A STRAIGHT LINE & PARALLEL TO THE LOCAL TANGENT
- STAGE CONSTRUCTION JOINT ALONG A STRAIGHT LINE & PARALLEL TO THE LOCAL TANGENT
- PROPOSED TRANSITION OF BREAKPOINT IN CROSS SLOPE OVER THE BRIDGE APPROACH PAVEMENT & PCC CONNECTOR PAVEMENT WEST OF THE WESTBOUND WEST ABUTMENT

PROPOSED CROSS SLOPES
 FAP 331 - SEC (12-1)B-1
 JACKSON COUNTY
 STA 57+91.70
 STRUCTURE NO 039-0071

PLAN

(ALL CROSS SLOPES ARE PERPENDICULAR TO THE LOCAL TANGENT TO ϕ EB RDWY)



2/16/2006
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PROPOSED CROSS SLOPES

F.A.P. DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	89
STA.		TO STA.		FED. AID PROJECT
* (12-1)2N, I-5, TS-3, B-1				

NOTE:
 COST OF ALL SIGNS, DRUMS OR BARRICADES, VERTICAL PANELS, STEADY BURNING MONODIRECTIONAL LIGHTS AND TYPE C MONODIRECTIONAL REFLECTORS INCLUDED IN TRAFFIC CONTROL AND PROTECTION.

THE LOCATION AND SPACING OF THE FOLLOWING SIGNS (2 EACH) SHALL BE DETERMINED BY THE ENGINEER AND THE BUREAU OF OPERATIONS. COST INCLUDED IN TRAFFIC CONTROL AND PROTECTION.

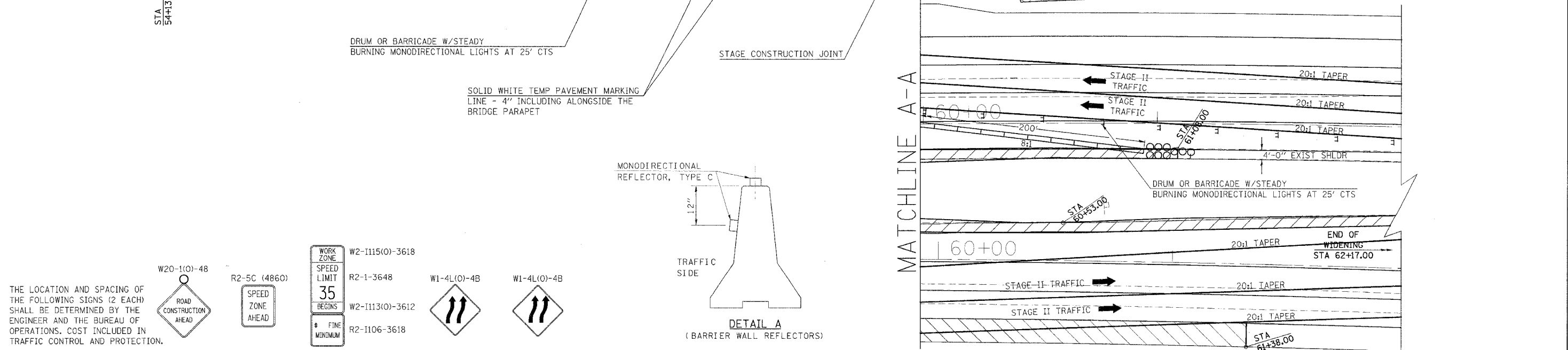
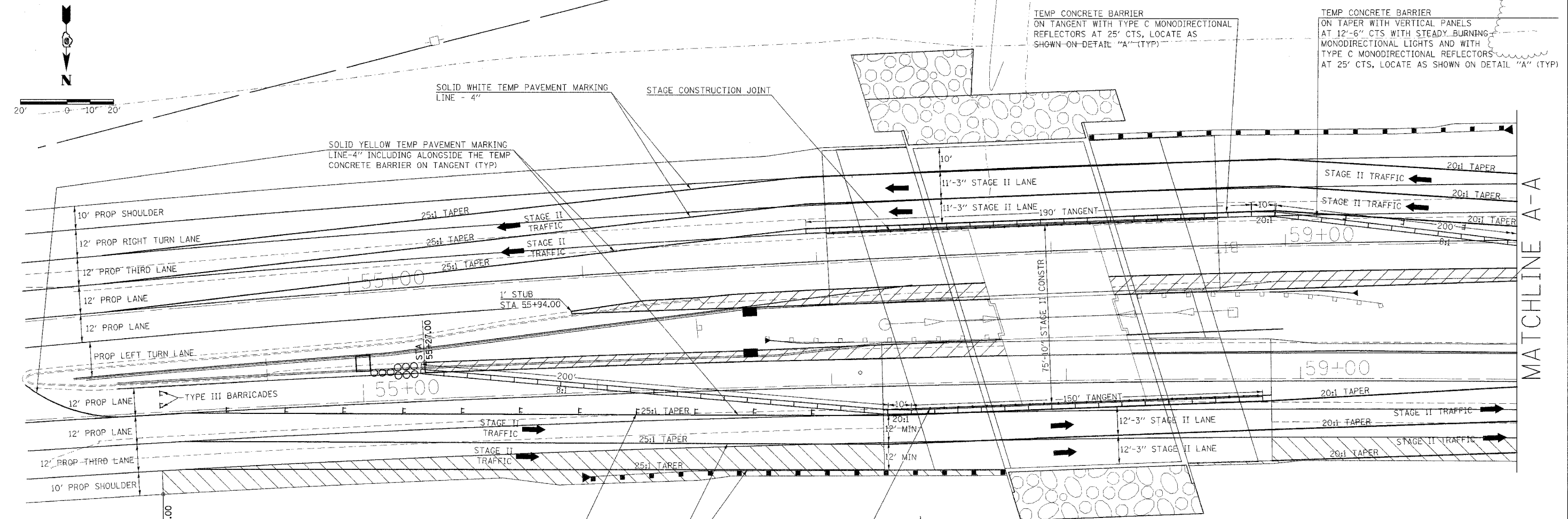
W2-1115(0)-3618
 W2-1113(0)-3612
 W2-1106-3618

WORK ZONE SPEED LIMIT 35 BEGINS \$ FINE MINIMUM

R2-1-3648
 R2-5C (4860)

W1-4L(0)-4B
 W1-4L(0)-4B

W20-1(0)-48
 ROAD CONSTRUCTION AHEAD



W20-1(0)-48
 ROAD CONSTRUCTION AHEAD

R2-5C (4860)
 SPEED ZONE AHEAD

WORK ZONE SPEED LIMIT 35 BEGINS \$ FINE MINIMUM

W2-1115(0)-3618
 R2-1-3648
 W2-1113(0)-3612
 R2-1106-3618

W1-4L(0)-4B
 W1-4L(0)-4B

THE LOCATION AND SPACING OF THE FOLLOWING SIGNS (2 EACH) SHALL BE DETERMINED BY THE ENGINEER AND THE BUREAU OF OPERATIONS. COST INCLUDED IN TRAFFIC CONTROL AND PROTECTION.

2/17/2006
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STAGE II BRIDGE TRAFFIC CONTROL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	90

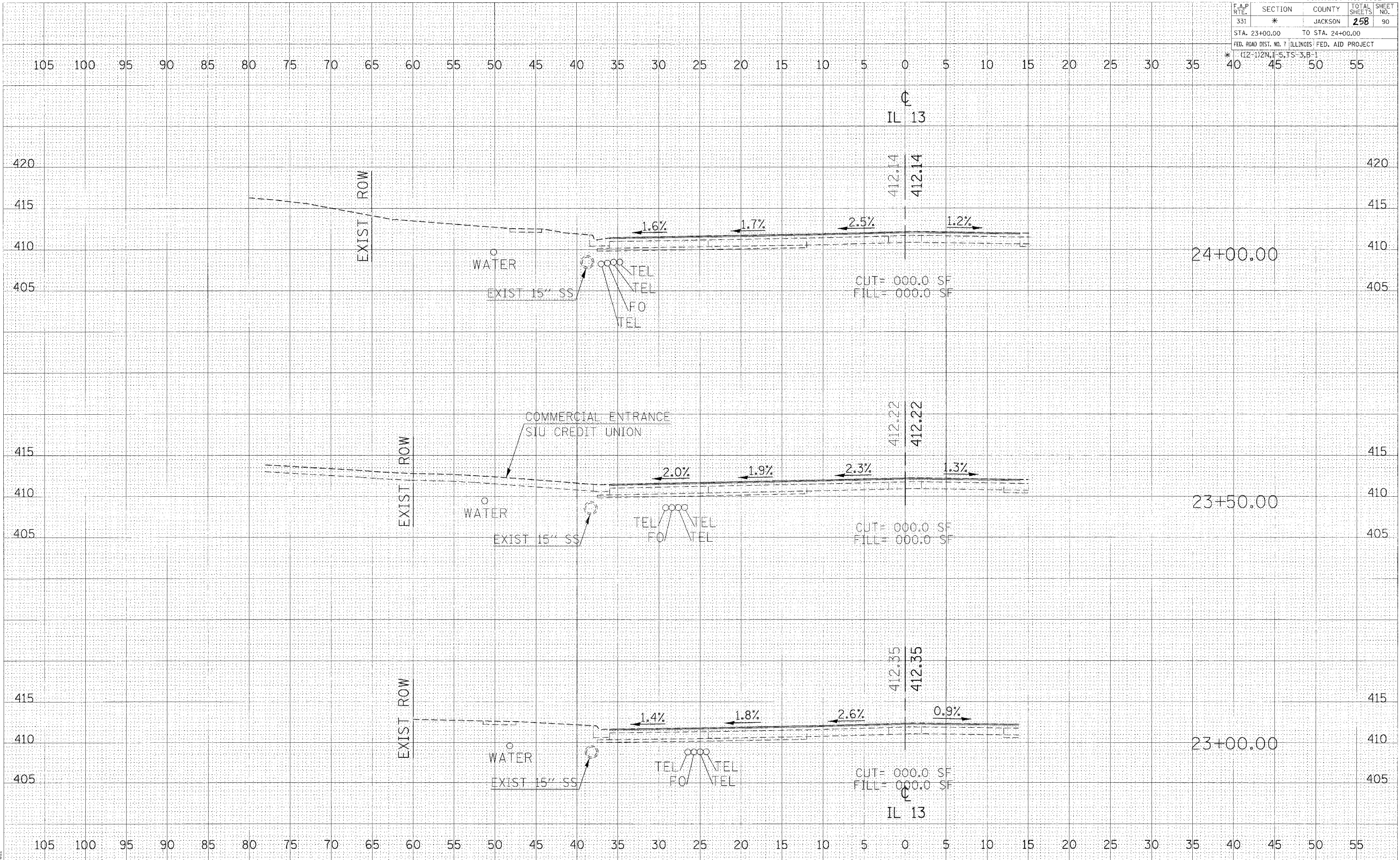
STA. 23+00.00 TO STA. 24+00.00
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT

*(112-112N, E-S, TS-3, B-1)

DATE	BY

DATE	BY

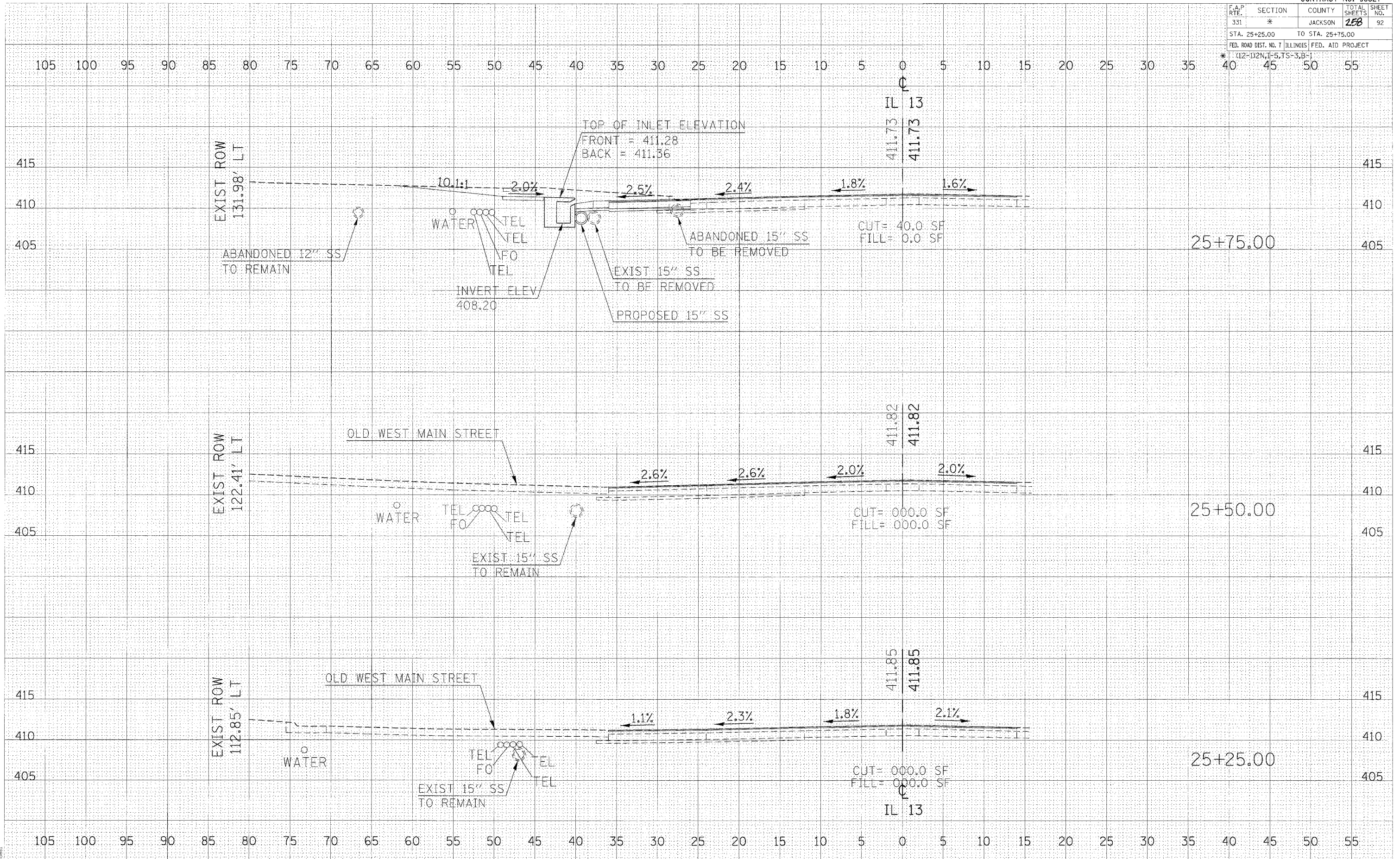
2/15/2016
5:00PM / In
panel



CROSS SECTIONS - IL 13

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	92
STA. 25+25.00		TO STA. 25+75.00		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

* (12-1)2N,1-5,TS-3,B-1

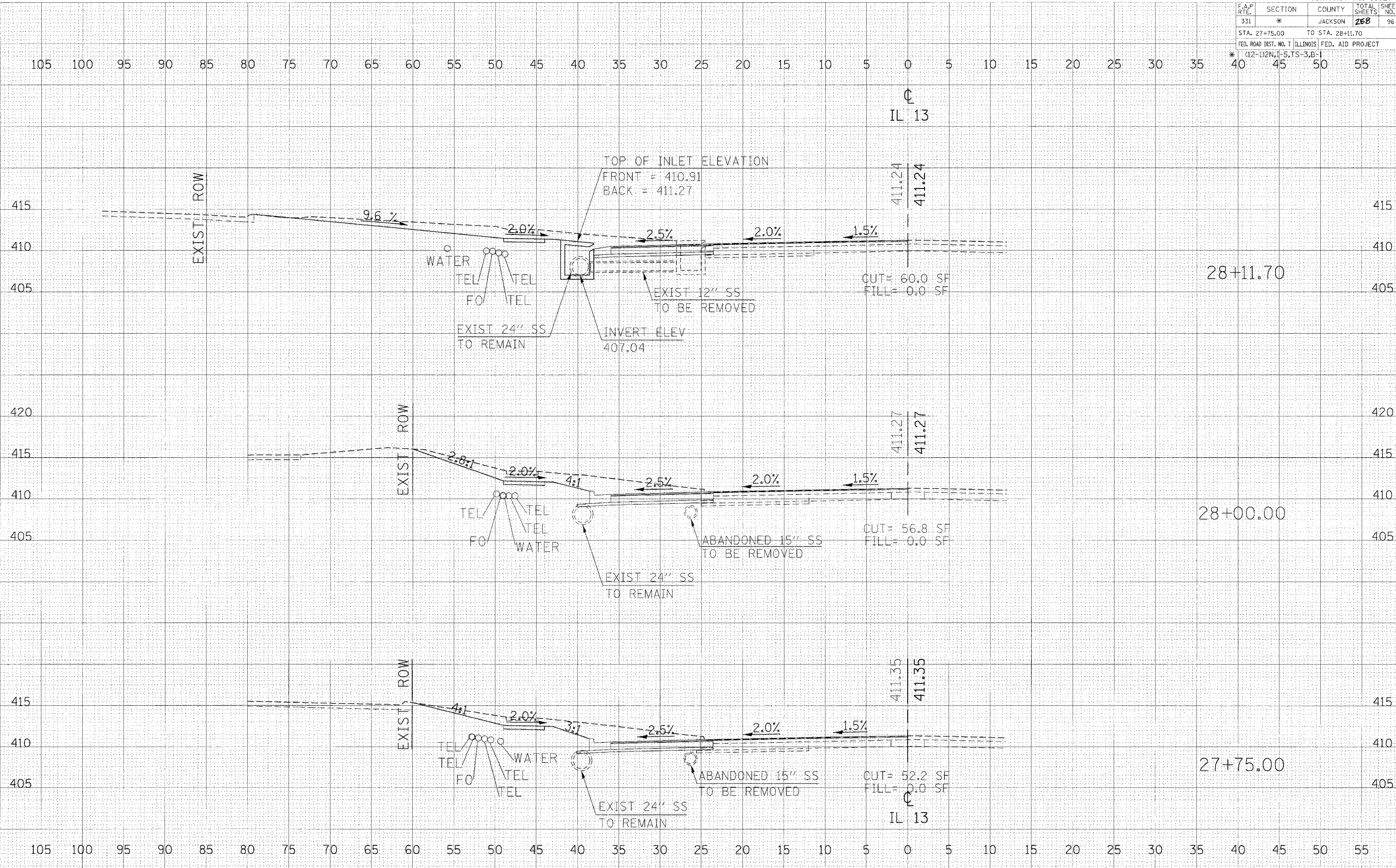


DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

2/13/2006
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 5.0008 / IN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	96
STA. 27+75.00		TO STA. 28+11.70		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
* (12-112N, 1-5, TS-3, B-1)				



DATE: _____ BY: _____
 SURVEYED: _____
 ORIGINAL SURVEY: _____
 NOTE BOOK: _____
 NO. _____

DATE: _____ BY: _____
 SURVEYED: _____
 ORIGINAL SURVEY: _____
 NOTE BOOK: _____
 NO. _____

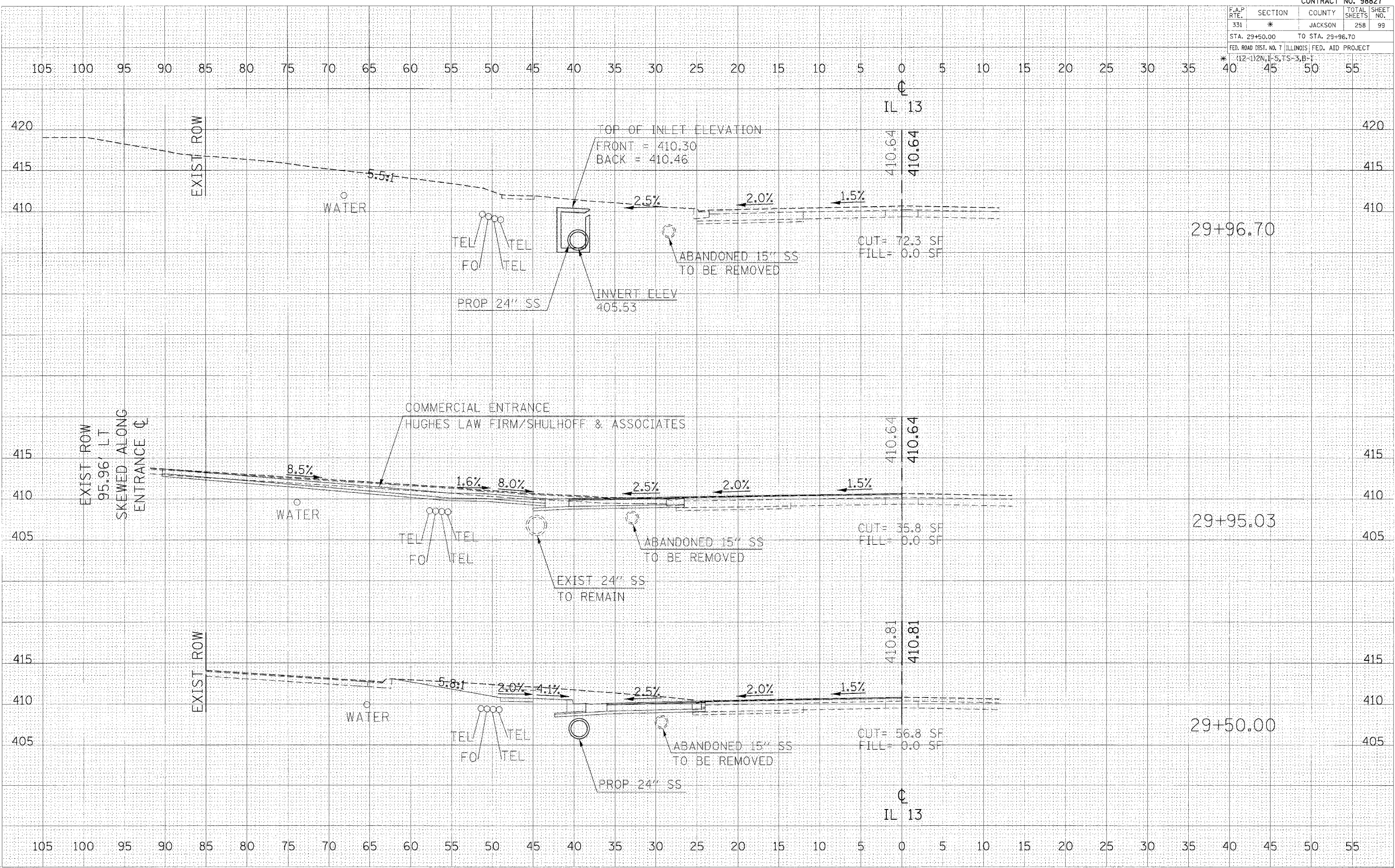
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
331	*	JACKSON	258	99
STA. 29+50.00		TO STA. 29+96.70		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

* (12-1)2N, 1-5, TS-3, B-1

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



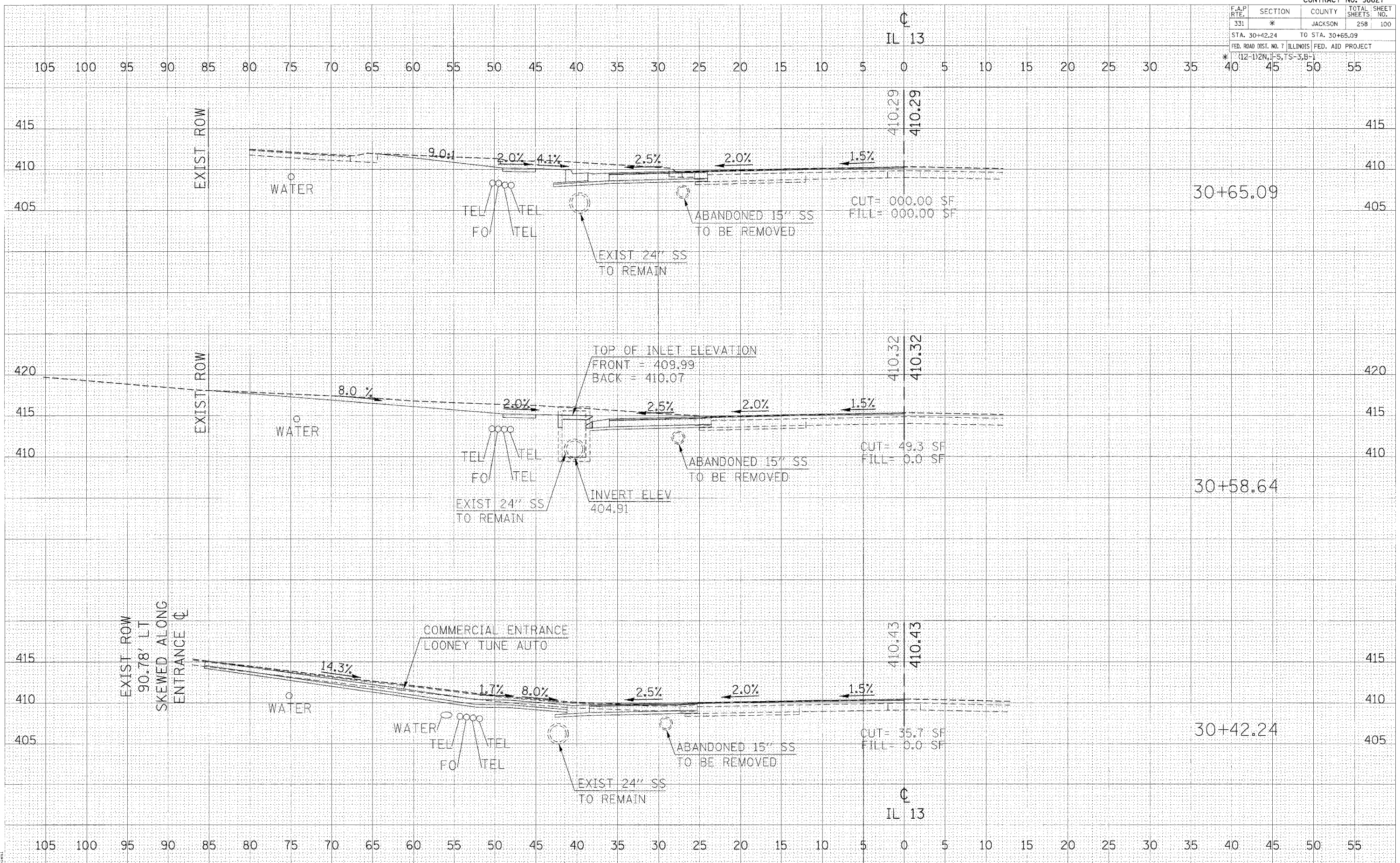
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS	NO.
331	*	JACKSON	258	100
STA. 30+42.24		TO STA. 30+65.09		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*(12-1/2N, 1-5, TS-3, B-1)				

DATE	BY	REVISION

DATE	BY	REVISION

2/15/2005
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CROSS SECTIONS - IL 13