

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
LOCAL AGENCY PROJECT**

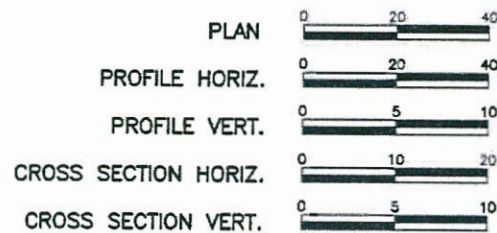
FAU 8611 (HICKORY STREET), FAU 8612 (HICKORY STREET) & FAU 8605 (16th STREET) RESURFACING
STU FUNDS
SECTION 16-00087-01-RS
PROJECT NO. AZK2(774)
CITY OF CENTRALIA, ILLINOIS
MARION COUNTY
JOB NO. C-98-356-16

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	1
FEDERAL AID PROJECT		CONTRACT 97707		

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES, HIGHWAY STANDARDS, UTILITIES & COMMITMENTS
3. SUMMARY OF QUANTITIES
- 4.-7. TYPICAL SECTIONS
- 8.-10. CONSTRUCTION SCHEDULES
- 11.-18. ROADWAY PLANS
- 19.-24. PAVEMENT MARKING PLANS
25. PAVING DETAILS
- 26.-37. SIDEWALK RAMP DETAILS
- 38.-49. CROSS SECTIONS

SCALES:



- 1) HICKORY STREET (FAU 8611)
ROADWAY DESIGNATION: MINOR COLLECTOR
DESIGN SPEED: 30 M.P.H
ADT: CURRENT (2019) 1,600
(2039) 1,700
- 2) HICKORY STREET (FAU 8612)
ROADWAY DESIGNATION: MAJOR COLLECTOR
DESIGN SPEED: 30 M.P.H
ADT: CURRENT (2019) 1,750
(2039) 1,850
- 3) 16th STREET (FAU 8605)
ROADWAY DESIGNATION: MAJOR COLLECTOR
DESIGN SPEED: 30 M.P.H
ADT: CURRENT (2019) 2,050
(2039) 2,150

END HICKORY ST. ①
STA. 267+29.30

OMISSION (BROADWAY)
STA. 263+05.03 to
STA. 263+76.23

BEGIN HICKORY ST. ①
STA. 244+82.00

OMISSION (CALUMET ST. TO 5th ST.)
STA. 223+61.05 to
STA. 244+82.00

BEGIN CALUMET SPUR
STA. 79+81.75

END HICKORY ST. ②
STA. 123+28.61

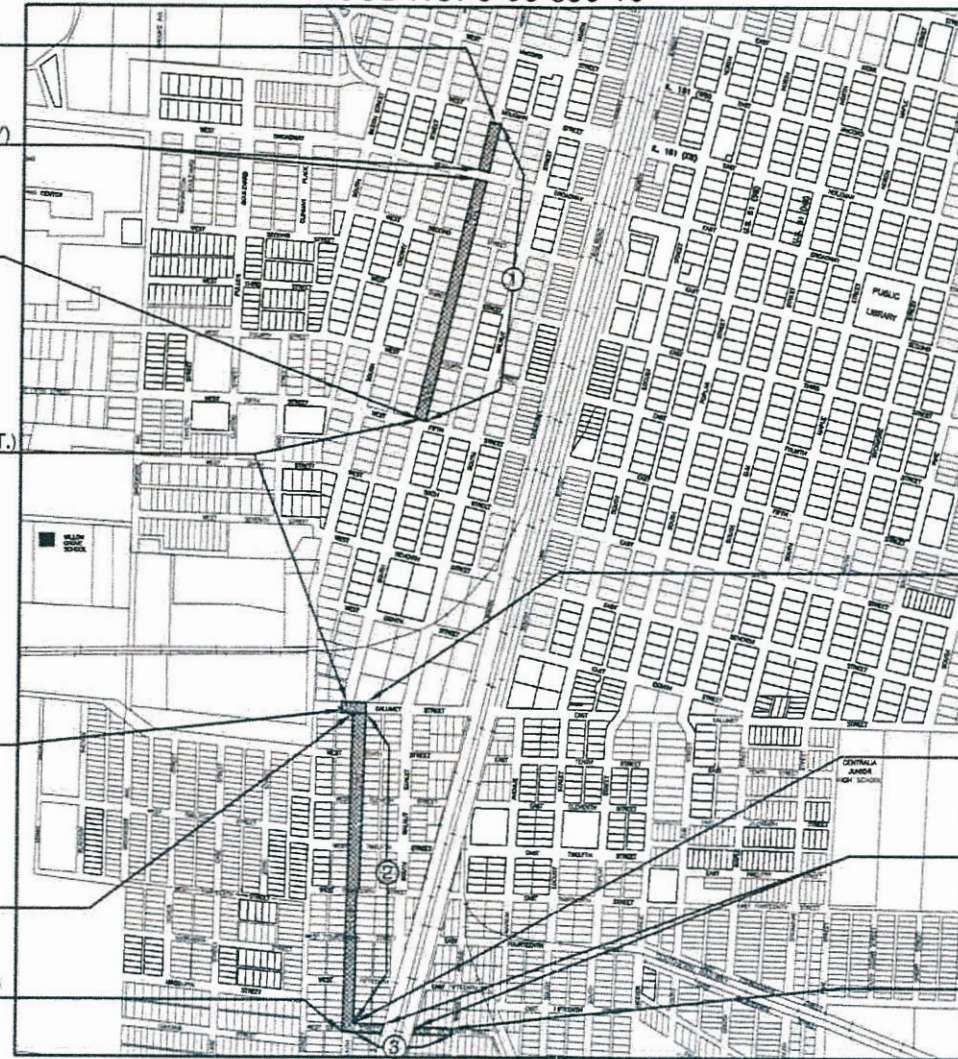
BEGIN HICKORY ST. ②
STA. 99+67.04

END CALUMET SPUR
STA. 81+41.14

BEGIN 16th ST. ③
STA. 10+39.00

OMISSION (RAILROAD)
STA. 13+25.75 to
STA. 13+86.75

END 16th ST. ③
STA. 17+84.89



AREA MAP

AREAS TO BE IMPROVED

	GROSS LENGTH	NET LENGTH
1) HICKORY STREET (FAU 8611)	2,247.30' = 0.426 mile	2,176.10' = 0.412 mile
2) HICKORY STREET (FAU 8612)	2,361.57' = 0.447 mile	2,361.57' = 0.447 mile
3) 16th STREET (FAU 8605)	745.89' = 0.141 mile	684.89' = 0.130 mile
CALUMET SPUR	159.39' = 0.030 mile	159.39' = 0.030 mile
TOTAL	5,514.15' = 1.044 mile	5,381.95' = 1.019 mile



ILLINOIS
DEPARTMENT OF
TRANSPORTATION

APPROVED: *5/30/19*
DATE: *5/30/19*
Herbert...
MAYOR, CITY OF CENTRALIA

PASSED: *June 28, 2019*
DATE: *June 28, 2019*
Jim A. Schauer
DISTRICT EIGHT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW: *June 28, 2019*
DATE: *June 28, 2019*
Keith Roberts
REGION FIVE ENGINEER

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

HOLD IT ! CALL BEFORE YOU DIG !
Phone J.U.L.I.E.



The owner would like to remind you that underground utility facilities can be damaged by shovel blades or other digging equipment. You can prevent damage or possible personal danger by phoning 800/892-0123 at least 48 hours before you dig. That's the toll-free number for "J.U.L.I.E.", which stands for Joint Utilities Location Information for Excavators.

If there are any pipes, cables, lines or mains in the excavation area, utility personnel will be out to mark the facilities so you can work around them.

Toll Free 800/892-0123



RHUTASEL and ASSOCIATES, INC.

CONSULTING ENGINEERS • LAND SURVEYORS

CORPORATE OFFICE
4 INDUSTRIAL DRIVE
FREEBURG, ILLINOIS 62243
(618) 539-3178

REGIONAL OFFICE
7 CARPENTER DRIVE
SALEM, ILLINOIS 62881
(618) 532-1992



Mark A. Rujawitz
Date of Signing: *5/29/2019*
Date of License Expiration: *11/30/2019*

MAY 2019

GENERAL NOTES

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	2
FEDERAL AID PROJECT			CONTRACT 97707	

- 1.) THE CONTRACTOR AND ENGINEER SHALL BE AWARE, THAT WITH THE EXCEPTION OF SIDEWALK HANDICAP RAMPS AND THE HICKORY STREET SECTION BETWEEN CALUMET STREET AND 16th STREET, LIMITED SURVEY WAS PERFORMED ON THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS SHALL BE ASSUMED AS APPROXIMATE.
- 2.) TYPICAL SECTIONS SHOWN IN THE PLANS WERE IDENTIFIED BY TAKING PAVEMENT CORES AT RANDOM LOCATIONS. PAVEMENT COMPOSITION, AS REPRESENTED, SHOULD BE CONSIDERED APPROXIMATE AND MAY VARY CONSIDERABLY WITHIN INDIVIDUAL SECTIONS.
- 3.) A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT FOR PERMANENT PAVEMENT MARKING HAS BEEN ADDED TO THE PLANS TO ACCOMMODATE ANY SEASONAL CONSTRUCTION STOPPAGE. SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE FINAL HMA SURFACE AS NECESSARY.
- 4.) "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT SECTIONS AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE 48"x48".
- 5.) ANY EARTHWORK OPERATIONS FOR SIDEWALK REMOVAL AND/OR REPLACEMENT SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED SIDEWALK PAY ITEM.
- 6.) AN ESTIMATED 1,250 TONS OF HMA SURFACE WILL BE REMOVED FROM THIS PROJECT DURING MILLING OPERATIONS.
- 7.) CHANGES IN THE VERTICAL OR HORIZONTAL DIMENSIONS OF GUTTERS, CURBS, OR CURB AND GUTTERS (WHERE TRANSITIONS FROM ONE TYPE TO ANOTHER ARE SHOWN IN THE PLANS) WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR THE TYPE SPECIFIED IN THE PLAN SCHEDULE.
- 8.) THE REMOVAL OF ANY CURB/CURB & GUTTER/AND GUTTER SHALL ALSO INCLUDE THE DISCONNECTION OF THE EXISTING CURB/CURB & GUTTER/ AND GUTTER FROM ANY REINFORCEMENT OR COLLATERAL MATERIAL THAT MAY BE PRESENTLY ATTACHED. THERE SHALL NOT BE ANY ADDITIONAL RENUMERATION FOR THIS WORK AS IT SHALL BE CONSIDERED AS INCLUDED IN THE REMOVAL ITEM.
- 9.) AN ESTIMATED QUANTITY OF 50 TONS OF AGGREGATE FOR TEMPORARY ACCESS HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF MAINTAINING ACCESS TO PRIVATE PROPERTY AND LOCAL TRAFFIC THROUGHOUT CONSTRUCTION OPERATIONS.

- 10.) WHERE PROPOSED CONCRETE CURB AND GUTTER IS TO BE CONSTRUCTED ADJACENT TO EXISTING CONCRETE PAVEMENT OR CONCRETE CURB AND GUTTER, THE CONTRACTOR SHALL DRILL AND GROUT NO. 6 X 30 EPOXY COATED TIE BARS AT 30" CENTERS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE COMBINATION CONCRETE CURB AND GUTTER OF TYPE SPECIFIED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 11.) THE SURFACE REMOVAL ALONG EXISTING P.C.C. PATCHES SHALL BE PAID FOR AT THE UNIT PRICE FOR THE HMA SURFACE REMOVAL OF THE DEPTH SPECIFIED.
- 12.) THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT.
- 13.) THE THICKNESS OF HOT-MIX ASPHALT SURFACE MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- 14.) HMA SURFACE REMOVAL WILL BE COMPLETED PRIOR TO PATCHING OPERATIONS IN ORDER FOR THE ENGINEER TO ESTABLISH NECESSITY AND LIMITS OF PATCHING OPERATIONS.
- 15.) THE CONTRACTOR SHALL TAPER HOT-MIX ASPHALT PLACEMENT AT THE CURB FACE IN A MANNER THAT ALLOWS UNRESTRICTED DISCHARGE AT ANY CURB OUTLET WITHIN THE PROJECT LIMITS.
- 16.) 0.056 TONS/SQ. YD./IN. IS THE APPLICATION RATE FOR ALL HOT-MIX ASPHALT. MIXTURE REQUIREMENTS FOR HMA ARE AS FOLLOWS:

APPLICABLE IDOT HIGHWAY STANDARDS:

424001-11	701301-04
424011-04	701311-03
424026-03	701326-04
442201-03	701501-06
606001-07	701801-06
701006-05	701901-08
	780001-05

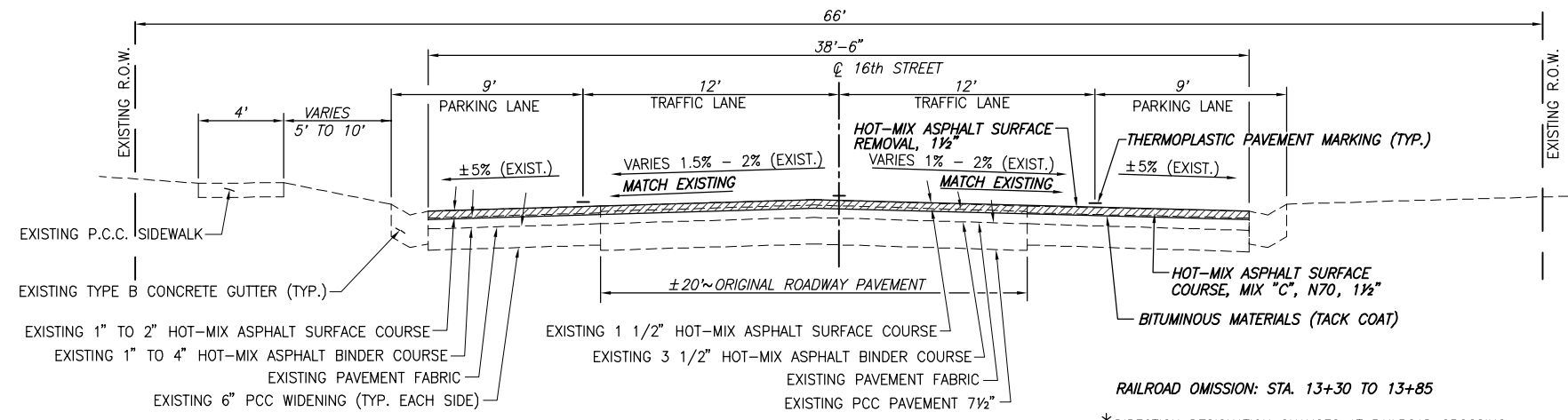
MIXTURE USE(S)	SURFACE COURSE	LEVEL BINDER	INCIDENTAL	PATCHING (IF HMA)	BASE COURSE WIDENING
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX.)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	IL-9.5	IL-4.75 OR IL-9.5	IL-9.5	IL-19.0	IL-19.0
FRICITION AGG	MIXTURE "C"	N/A	MIXTURE "C"	N/A	N/A
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA

UTILITY TYPE	NAME OF UTILITY	PHONE NUMBER	CONTACT NAME
ELECTRIC/GAS	AMEREN IP (SOUTH)	618-244-8226	PATRICK MURPHY
TELEPHONE	AT&T	618-292-8245	SCOTT BROADDUS
CABLE	CLEARWAVE COMMUNICATIONS	618-294-8078	ROTH CLAYTON
WATER/SEWER	CITY OF CENTRALIA	618-533-7625	JEFF SCHWARTZ
CABLE	CHARTER COMMUNICATIONS	314-386-1650	EUGENE HENDRICKS
FIBER OPTIC	WINDSTREAM KDL, INC.	217-876-7194	JEROME LIGHT

COMMITMENTS

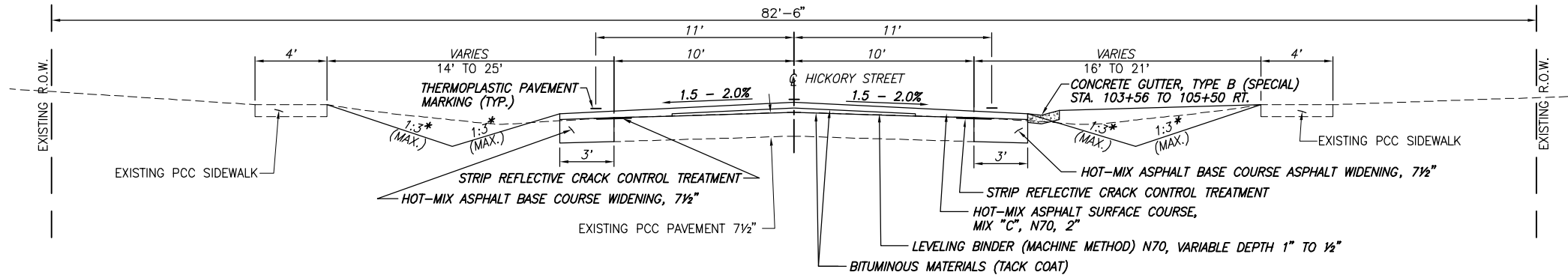
NONE

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	4
FEDERAL AID PROJECT			CONTRACT 97707	



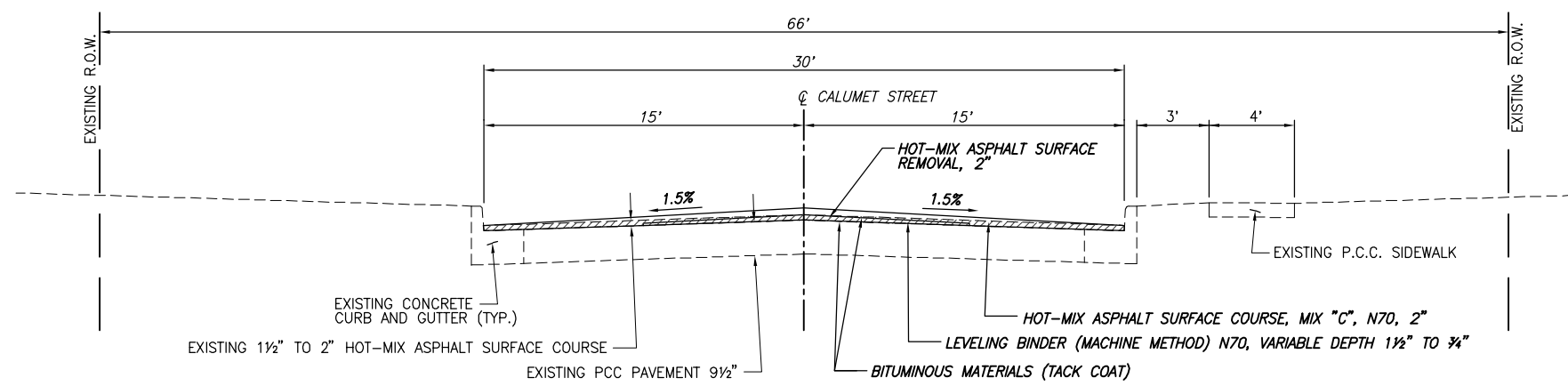
I - TYPICAL SECTION

WEST / EAST * 16th STREET (HICKORY STREET TO WABASH AVENUE)
STA. 10+39 TO 17+84.89
SCALE: NTS



II - TYPICAL SECTION

S. HICKORY STREET (16th STREET TO CALUMET STREET)
STA. 99+67.04 TO 123+28.61
SCALE: NTS

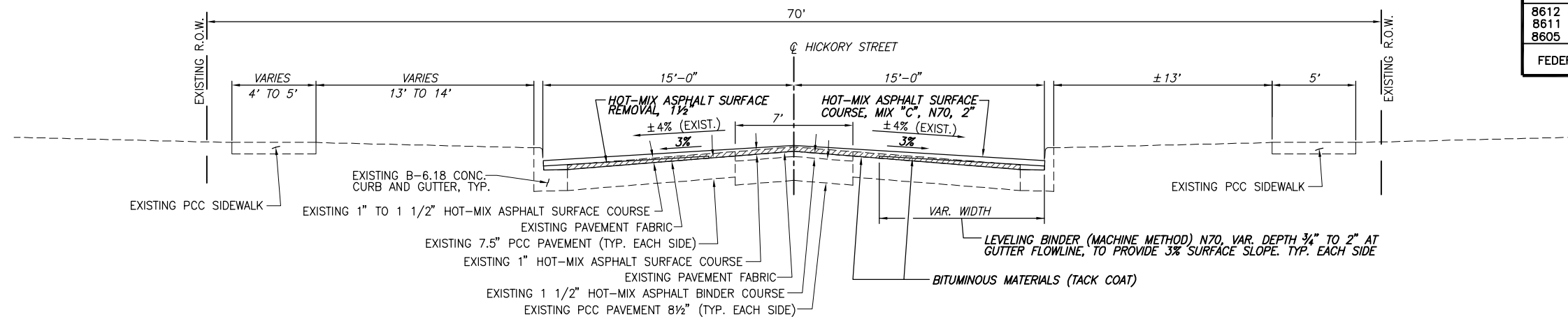


III - TYPICAL SECTION

W. CALUMET STREET
STA. 79+81.75 TO 81+41.14
SCALE: NTS

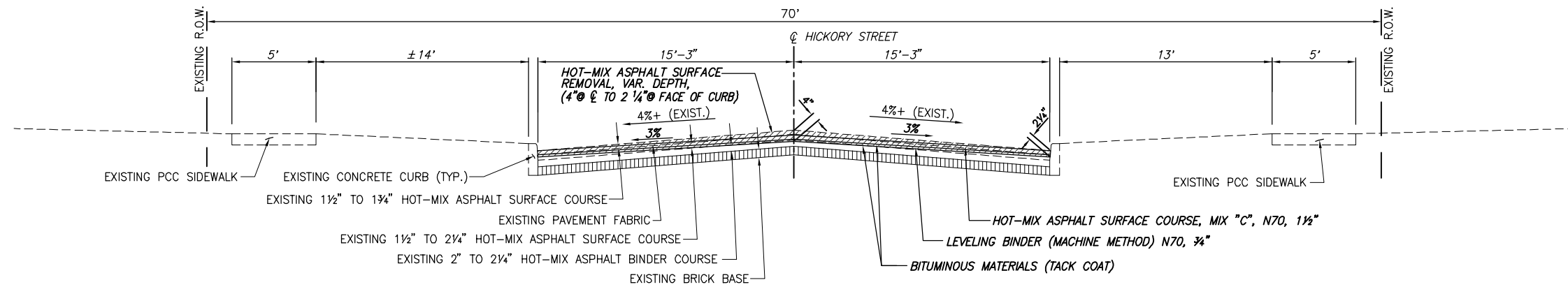
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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	5
FEDERAL AID PROJECT		CONTRACT 97707		



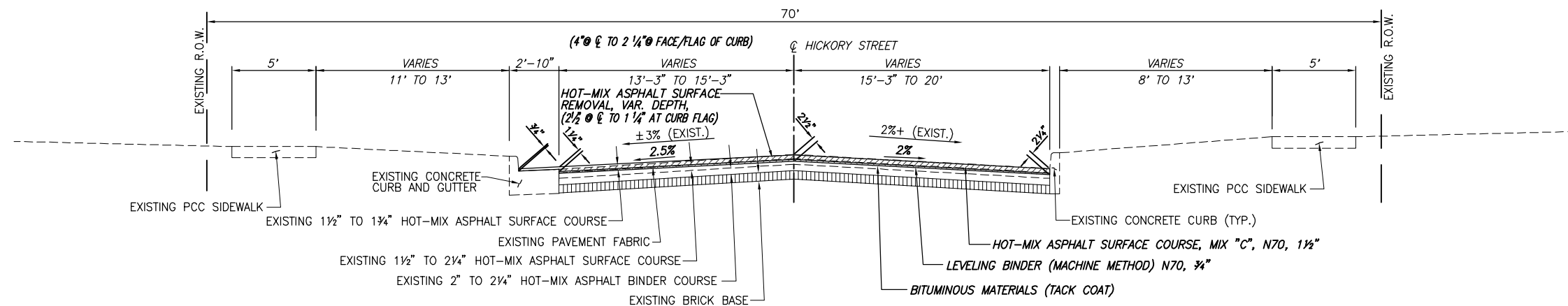
IV - TYPICAL SECTION

S. HICKORY STREET (5TH STREET TO 3RD STREET)
STA. 244+82 TO 253+99
SCALE: NTS



V - TYPICAL SECTION

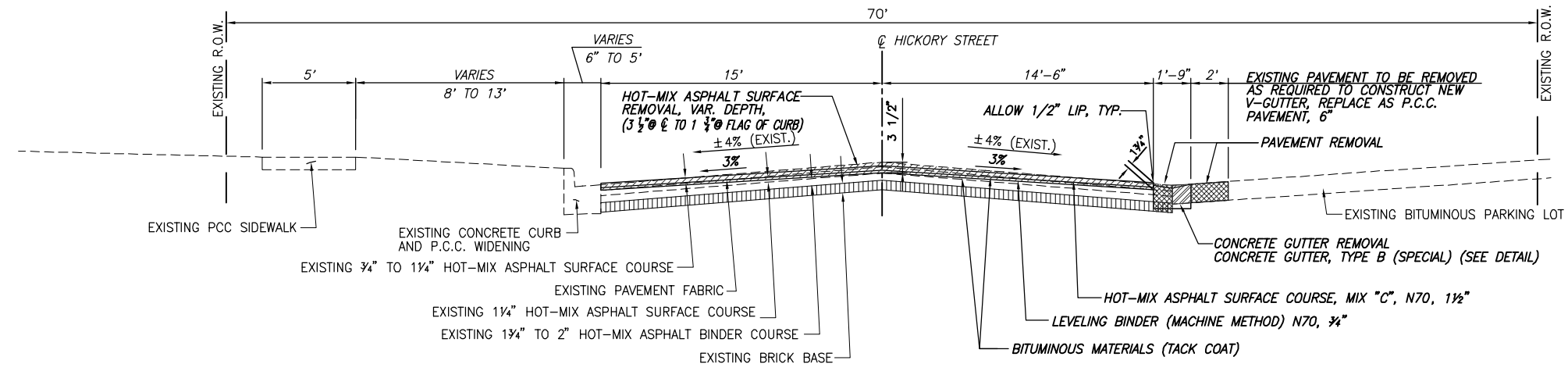
S. HICKORY STREET (3RD STREET TO 165' SOUTH OF BROADWAY)
STA. 253+99 TO 261+76
SCALE: NTS



VI - TYPICAL SECTION

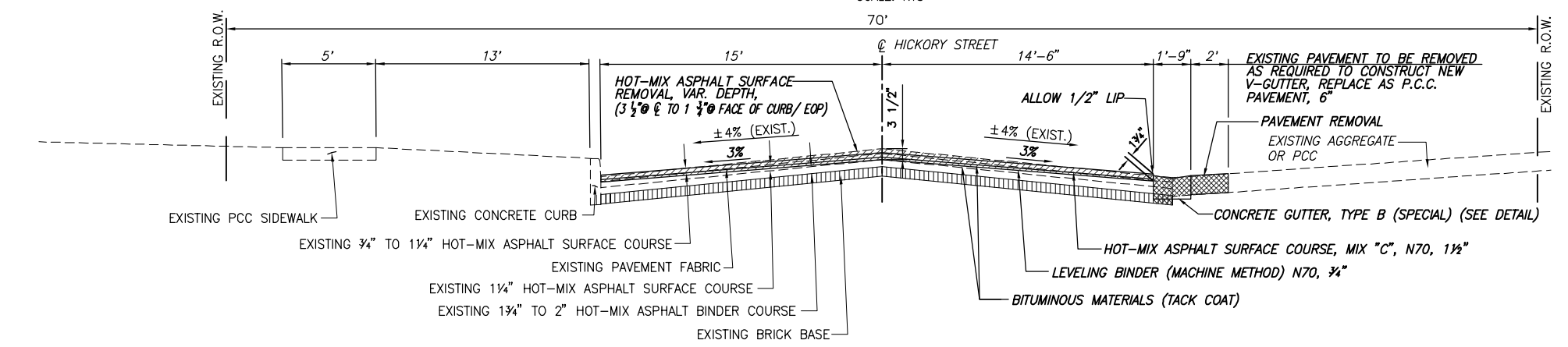
S. HICKORY STREET (165' SOUTH OF BROADWAY TO BROADWAY)
STA. 261+76 TO 263+05.03
SCALE: NTS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	6
FEDERAL AID PROJECT		CONTRACT 97707		



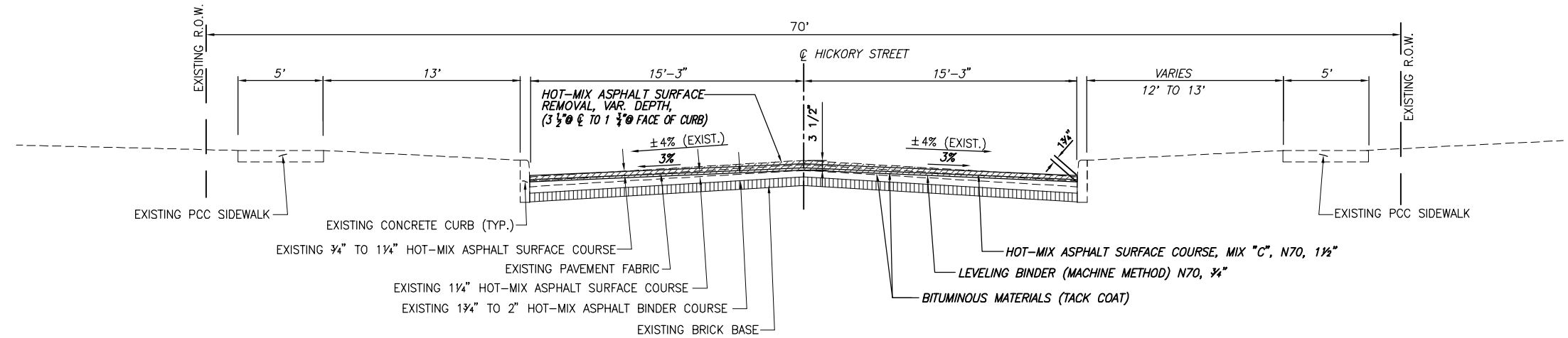
VII - TYPICAL SECTION

N. HICKORY STREET (BROADWAY TO 160' NORTH OF BROADWAY)
 STA. 263+76.23 TO 265+01.5
 SCALE: NTS



VIII - TYPICAL SECTION

N. HICKORY STREET (160' NORTH OF BROADWAY TO 285' NORTH OF BROADWAY)
 STA. 265+01.5 TO 266+16
 SCALE: NTS

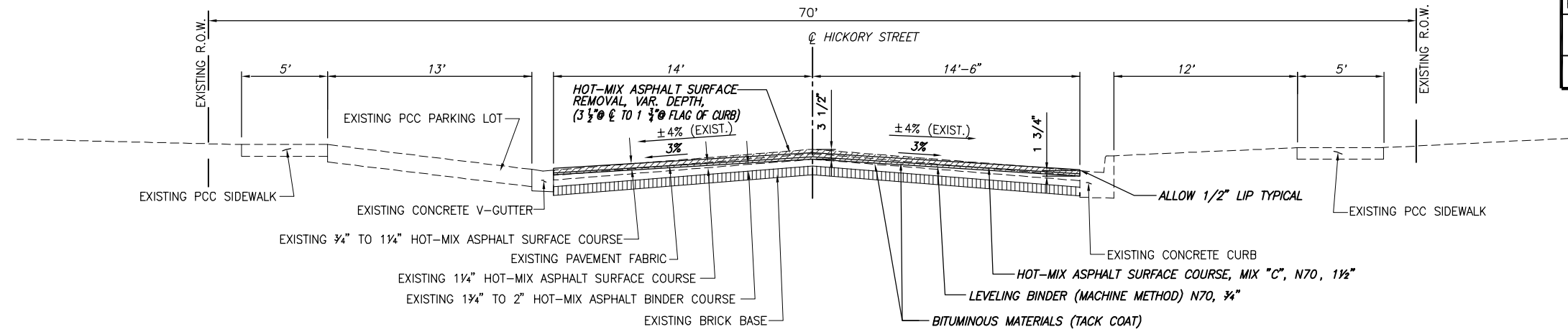


IX - TYPICAL SECTION

N. HICKORY STREET (285' NORTH OF BROADWAY TO 356.5' NORTH OF BROADWAY)
 STA. 266+16 TO 266+92
 SCALE: NTS

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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	7
FEDERAL AID PROJECT		CONTRACT 97707		



X - TYPICAL SECTION
 N. HICKORY STREET (356.5' NORTH OF BROADWAY TO 86' SOUTH OF NOLEMAN)
 STA. 266+92 TO 267+29.30
 SCALE: NTS

PCC SIDEWALK SCHEDULE

DETAIL	LOCATION	SIDEWALK REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	CURB REMOVAL	GUTTER REMOVAL	P.C.C. SIDEWALK, 4"	DETECTABLE WARNINGS	CONCRETE CURB, TYPE B	COMBINATION C & G TYPE B-6.18	CONCRETE GUTTER, TYPE B (SPECIAL)
		SQ FT	FOOT	FOOT	FOOT	SQ FT	SQ FT	FOOT	FOOT	FOOT
EAST 16TH STREET										
A	STA. 12+54 to 12+92 LT. - N.W. CORNER AT SOUTH WALNUT STREET					146	8			
A1	STA. 17+56 to 17+80 LT. - N.W. CORNER AT WABASH STREET	151			47	181	18			50
	STA. 18+16 to 18+36 LT. - N.E. CORNER AT WABASH STREET	63			33	86	20			33
	STA. 18+17 to 18+23 RT. - S.E. CORNER AT WABASH STREET	55			15	64	16			15
SOUTH HICKORY STREET										
B	STA. 99+67 to 99+84 RT. - S.E. CORNER AT WEST 16TH STREET	95								
	STA. 99+76 to 99+93 LT. - S.W. CORNER AT WEST 16TH STREET	64				68	8			
	STA. 100+14 to 100+40 LT. - N.W. CORNER AT WEST 16TH STREET	98				137	16			
C	STA. 100+20 to 100+40 RT. - N.E. CORNER AT WEST 16TH STREET	131				106	8			48
	STA. 103+06 to 103+24 LT. - S.W. CORNER AT WEST 15TH STREET	128				128	16			
	STA. 102+86 to 103+25 RT. - S.E. CORNER AT WEST 15TH STREET	244				232	16			
D	STA. 103+45 to 103+68 RT. - N.E. CORNER AT WEST 15TH STREET	131				87	8			195
	STA. 103+47 to 103+67 LT. - N.W. CORNER AT WEST 15TH STREET	55				79	8			
	STA. 106+33 to 106+56 LT. - S.W. CORNER AT WEST 14TH STREET	153				140	16			
E	STA. 106+39 to 106+56 RT. - S.E. CORNER AT WEST 14TH STREET	164				160	16			
	STA. 106+76 to 106+96 RT. - N.E. CORNER AT WEST 14TH STREET	70				78	8			
	STA. 106+76 to 106+94 LT. - N.W. CORNER AT WEST 14TH STREET	60				60	8			
F	STA. 109+63 to 109+87 LT. - S.W. CORNER AT WEST 13TH STREET	183				168	16			
	STA. 109+61 to 109+88 RT. - S.E. CORNER AT WEST 13TH STREET	174				177	16			
	STA. 110+08 to 110+29 RT. - N.E. CORNER AT WEST 13TH STREET	77				72	8			
G	STA. 110+08 to 110+29 LT. - N.W. CORNER AT WEST 13TH STREET	79				75	8			
	STA. 112+94 to 113+27 LT. - S.W. CORNER AT WEST 12TH STREET	208				195	16			
	STA. 112+92 to 113+27 RT. - S.E. CORNER AT WEST 12TH STREET	212				202	16			
H	STA. 113+47 to 113+70 RT. - N.E. CORNER AT WEST 12TH STREET	113				86	8			
	STA. 113+50 to 113+73 LT. - N.W. CORNER AT WEST 12TH STREET	88				95	8			
	STA. 116+35 to 116+65 LT. - S.W. CORNER AT WEST 11TH STREET	194				200	16			
I	STA. 116+39 to 116+67 RT. - S.E. CORNER AT WEST 11TH STREET	198				160	16			
	STA. 116+87 to 117+04 RT. - N.E. CORNER AT WEST 11TH STREET	60				60	8			
	STA. 116+87 to 117+04 LT. - N.W. CORNER AT WEST 11TH STREET	69				62	8			
J	STA. 119+68 to 119+97 LT. - S.W. CORNER AT WEST 10TH STREET	238				233	16			
	STA. 119+68 to 119+98 RT. - S.E. CORNER AT WEST 10TH STREET	225				218	16			
	STA. 120+19 to 120+44 RT. - N.E. CORNER AT WEST 10TH STREET	100				93	8			
K	STA. 120+19 to 120+40 LT. - N.W. CORNER AT WEST 10TH STREET	80				78	8			
	STA. 123+12 to 123+25 RT. - N.E. CORNER AT CALUMET STREET	98		11		81	8	11		
	STA. 123+19 to 123+27 LT. - N.W. CORNER AT CALUMET STREET	110		8		89	13	8		
L	STA. 244+20 to 244+44 LT. - S.W. CORNER AT WEST 5TH STREET	102	8			138	13		8	
	STA. 244+70 to 245+00 LT. - N.W. CORNER AT WEST 5TH STREET	119	17			231	20		17	
	STA. 244+70 to 244+94 RT. - N.E. CORNER AT WEST 5TH STREET	121	19			132	10		19	
M	STA. 248+91 to 249+16 LT. - S.W. CORNER AT WEST 4TH STREET	166	7	8		189	18	8	7	
	STA. 248+95 to 249+16 RT. - S.E. CORNER AT WEST 4TH STREET	165	7	8		173	18	8	7	
	STA. 249+41 to 249+62 RT. - N.E. CORNER AT WEST 4TH STREET	167	7	8		91	18	8	7	
N	STA. 249+41 to 249+69 LT. - N.W. CORNER AT WEST 4TH STREET	234	15			247	18		15	
	STA. 253+61 to 253+87 LT. - S.W. CORNER AT WEST 3RD STREET	142	8			159	10		8	
	STA. 253+60 to 253+87 RT. - S.E. CORNER AT WEST 3RD STREET	145	8			168	10		8	
O	STA. 254+12 to 254+38 RT. - N.E. CORNER AT WEST 3RD STREET	219	8	8		248	20	8	8	
	STA. 254+12 to 254+39 LT. - N.W. CORNER AT WEST 3RD STREET	248	8			274	20	8	8	
	STA. 258+31 to 258+55 LT. - S.W. CORNER AT WEST 2ND STREET	213		40		241	20	35		
P	STA. 258+31 to 258+55 RT. - S.E. CORNER AT WEST 2ND STREET	207		28		233	20	32		
	STA. 258+86 to 259+09 RT. - N.E. CORNER AT WEST 2ND STREET	197		38		228	20	38		
	STA. 258+86 to 259+11 LT. - N.W. CORNER AT WEST 2ND STREET	209		25		248	20	25		
TOTAL		6,822	112	190	95*	7,096	658	189	112	341**

* ADDITIONAL QUANTITY SHOWN ON MISCELLANEOUS REMOVAL SCHEDULE.
 ** ADDITIONAL QUANTITY SHOWN ON PAVEMENT / RESURFACING SCHEDULE.

UTILITY ADJUSTMENT SCHEDULE

STATION	CENTERLINE OFFSET	WATER VALVES TO BE ADJUSTED	MANHOLES TO BE ADJUSTED
		EACH	EACH
WEST / EAST 16TH STREET			
17+62	14' RT.	1	
17+71	21' LT.	1	
17+74	22' LT.		1
SOUTH HICKORY STREET			
99+99	1' RT.		1
100+20	15' RT.	1	
103+40	1' RT.		1
103+51	11' RT.	1	
103+53	8' RT.	1	
103+60	12' RT.	1	
106+65	1' LT.		1
110+01	2' LT.	1	
113+40	4' LT.		1
113+60	10' RT.	1	
116+78	7' LT.		1
116+96	10' RT.		1
119+91	9' RT.	1	
120+09	10' LT.		1
CALUMET STREET			
80+01	4' LT.		1
80+99	3' LT.		1
SOUTH HICKORY STREET			
249+37	12' RT.	1	
249+47	11' RT.		1
249+56	13' RT.	1	
254+38	14' RT.	1	
258+50	17' RT.	1	
258+91	14' RT.	1	
TOTAL		14	11

MISCELLANEOUS REMOVAL SCHEDULE

LOCATION	GUTTER REMOVAL	REMOVING INLETS	PIPE CULVERT REMOVAL
	FOOT	EACH	FOOT
WEST 16TH STREET			
10+50 TO 10+92, RT.	42		
EAST 16TH STREET			
16+51 TO 17+72, RT.	121		
SOUTH HICKORY STREET			
100+82 TO 101+00, 17' LT.			18
101+60 TO 101+86, 21' RT.			26
102+35 TO 102+49, 21' RT.			14
106+89, 23' RT.		1	
106+89 TO 107+47, 20' RT.			58
107+47, 20' RT.		1	
107+47 TO 107+66, 20' RT.			19
110+21, 23' RT.		1	
113+15, 23' LT.		1	
113+57, 19' LT.		1	
120+31, 23' RT.		1	
NORTH HICKORY STREET			
263+85 TO 265+01, RT.	116		
TOTAL		279*	135

* ADDITIONAL QUANTITY SHOWN ON PCC SIDEWALK SCHEDULE.

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
WEST / EAST 16TH STREET				
STA. 10+39 to 17+85	10	7.5	0	+7.5
SOUTH HICKORY STREET				
STA. 99+75 TO 123+25	968	726	8	+718
STA. 258+41 TO 258+55	2	1.5	0	+1.5
TOTAL		980	735	+727

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	9
FEDERAL AID PROJECT			CONTRACT 97707	

PAVEMENT MARKING SCHEDULE

LOCATION	THERMOPLASTIC PAVEMENT MARKINGS					SHORT TERM PAVEMENT MARKINGS			
	LINE 4"		LINE 24"		L & S	LINE 4"		SHORT TERM PAVEMENT MARKING REMOVAL	
	SOLID YELLOW NO PASSING CENTER LINE	YELLOW SKIP DASH CENTER LINE (10' - 30')	SOLID DOUBLE YELLOW CENTER LINE	SOLID WHITE EDGE LINE	SOLID WHITE STOP BAR	SOLID WHITE LETTERS AND SYMBOLS	YELLOW SKIP DASH CENTER LINE (10' - 90')		
	FOOT	FOOT	FOOT	FOOT	FOOT	SQ. FT.	FOOT	SQ. FT.	
WEST 16TH STREET									
STA. 10+39	LT.				16				
STA. 10+39 TO 13+07	☉		536				270	10.0	
STA. 11+82 TO 12+32	RT.				24	61.2			
STA. 13+07	RT.				16				
EAST 16TH STREET									
STA. 14+08	LT.				16				
STA. 14+83 TO 15+33	LT.				24	61.2			
STA. 14+08 TO 17+70	☉		724				360	13.3	
SOUTH HICKORY STREET									
STA. 100+36 TO 123+14	☉		570				230	8.6	
STA. 99+94 TO 100+05	LT.				11				
STA. 100+32 TO 103+05	LT.					273			
STA. 100+48 TO 103+05	RT.					257			
STA. 103+65 TO 106+37	LT.					272			
STA. 103+65 TO 106+37	RT.					272			
STA. 106+95 TO 109+67	LT.					272			
STA. 106+95 TO 109+67	RT.					272			
STA. 110+28 TO 113+08	LT.					280			
STA. 110+28 TO 113+08	RT.					280			
STA. 113+68 TO 116+47	LT.					279			
STA. 113+68 TO 116+47	RT.					279			
STA. 117+08 TO 119+74	LT.					266			
STA. 117+08 TO 119+74	RT.					270			
STA. 120+44 TO 123+14	LT.					270			
STA. 120+38 TO 123+14	RT.					276			
STA. 121+94 TO 123+14	☉	120							
STA. 123+14	RT.				14				
WEST CALUMET STREET									
STA. 81+33	LT.				15				
SOUTH HICKORY STREET									
STA. 244+90	LT.				13				
STA. 244+90 TO 246+10	☉	120					180	6.7	
STA. 244+90 TO 263+01	☉		460						
STA. 261+85 TO 263+01	☉	116			15				
NORTH HICKORY STREET									
STA. 263+79 TO 267+29	☉		700		15	40	1.5		
SUB-TOTAL		356	1,038	1,960	3,818	179	122.4	1,080	40.1
TOTAL			7,172		179	122.4	1,080	40.1	

SEEDING AND EROSION CONTROL SCHEDULE

LOCATION	SEEDING CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH METHOD 2	TEMPORARY EROSION CONTROL SEEDING	INLET AND PIPE PROTECTION
	ACRE	POUND	POUND	POUND	ACRE	POUND	EACH
STA. 100+42 to 122+97	0.75	68	68	68	0.75	75	
STA. 100+26.38, 23.32' RT.							1
STA. 100+43.00, 17.00' LT.							1
STA. 100+47.00, 12.00' RT.							1
STA. 103+00.00, 18.00' LT.							1
STA. 103+00.00, 21.00' RT.							1
STA. 103+55.00, 21.00' LT.							1
STA. 103+55.00, 21.00' RT.							1
STA. 106+31.00, 21.00' LT.							1
STA. 106+31.00, 22.00' RT.							1
STA. 107+02.00, 22.00' LT.							1
STA. 107+02.66, 22.20' RT.							1
STA. 109+62.00, 22.00' LT.							1
STA. 109+62.00, 22.00' RT.							1
STA. 110+20.70, 23.00' LT.							1
STA. 110+35.00, 19.00' RT.							1
STA. 112+89.66, 20.60' LT.							1
STA. 112+95.00, 22.00' RT.							1
STA. 113+79.31, 19.21' LT.							1
STA. 113+82.00, 21.00' RT.							1
STA. 116+45.00, 22.00' LT.							1
STA. 116+45.00, 22.00' RT.							1
STA. 117+07.00, 22.00' LT.							1
STA. 117+07.00, 22.00' RT.							1
STA. 119+71.00, 22.00' LT.							1
STA. 119+71.00, 22.00' RT.							1
STA. 120+31.00, 22.00' LT.							1
STA. 120+41.37, 18.40' RT.							1
STA. 122+97.20, 22.00' LT.							1
TOTAL	0.75	68	68	68	0.75	75	28

PAVEMENT PATCHING SCHEDULE

STATION	LEFT	RIGHT	LENGTH	WIDTH	PAVEMENT PATCHING 8"			
					TYPE I	TYPE II	TYPE III	TYPE IV
					FOOT	FOOT	SQ YD	SQ YD
WEST 16TH STREET								
STA. 10+16	X		6.0	5.0	3.3			
STA. 10+16		X	6.0	5.0	3.3			
STA. 10+42	X		6.0	10.0		6.7		
STA. 10+42		X	6.0	10.0		6.7		
EAST 16TH STREET								
STA. 14+08	X		6.0	10.0		6.7		
STA. 14+08		X	6.0	10.0		6.7		
STA. 14+22	X		6.0	10.0		6.7		
STA. 14+22		X	6.0	10.0		6.7		
STA. 14+74	X		6.0	4.0	2.7			
STA. 17+61		X	6.0	6.0	4.0			
SOUTH HICKORY STREET								
STA. 100+15		X	4.0	6.0	2.7			
STA. 101+15	X		4.0	4.0	1.8			
STA. 102+87	X		6.0	10.0		6.7		
STA. 102+87		X	6.0	10.0		6.7		
STA. 103+43		X	4.0	4.0	1.8			
STA. 105+93		X	6.0	4.0	2.7			
STA. 106+25		X	20.0	6.0		13.3		
STA. 106+65	X		3.0	3.0	1.0			
STA. 106+65		X	3.0	10.0	3.3			
STA. 107+22	X		6.0	10.0		6.7		
STA. 107+22		X	6.0	10.0		6.7		
STA. 108+66		X	18.0	6.0		12.0		
STA. 108+77	X		4.0	10.0	4.4			
STA. 108+77		X	4.0	10.0	4.4			
STA. 112+16		X	14.0	4.0		6.2		
STA. 112+92		X	6.0	10.0		6.7		
STA. 112+93	X		8.0	10.0		8.9		
STA. 113+13	X		6.0	10.0		6.7		
STA. 113+55		X	5.0	7.0	3.9			
STA. 113+61	X		17.0	3.0		5.6		
STA. 113+64		X	12.0	12.0			16.0	
STA. 113+82	X		6.0	10.0		6.7		
STA. 113+82		X	6.0	10.0		6.7		
STA. 116+40	X		3.0	10.0	3.3			
STA. 116+40		X	3.0	10.0	3.3			
STA. 116+50	X		3.0	10.0	3.3			
STA. 116+50		X	3.0	10.0	3.3			
STA. 116+96	X		3.0	3.0	1.0			
STA. 117+10	X		6.0	10.0		6.7		
STA. 117+10		X	6.0	10.0		6.7		
STA. 119+32	X		10.0	10.0		11.1		
STA. 119+34		X	7.0	6.0	4.7			
STA. 119+88		X	25.0	10.0			27.8	
STA. 120+62		X	6.0	6.0	4.0			
STA. 121+30	X		3.0	10.0	3.3			
STA. 121+30		X	3.0	10.0	4.7			
STA. 123+20		X	10.0	10.0		11.1		
CALUMET STREET								
STA. 80+65		X	6.0	6.0	4.0			
SOUTH HICKORY STREET								
STA. 251+63		X	6.0	6.0	4.0			
TOTAL					78.2	175.4	16.0	27.8

ENTRANCE / SIDEROAD SCHEDULE

STATION	EXISTING SURFACE	TYPE	"L"	"W"	AGGREGATE BASE COURSE, TYPE B TON	AGGREGATE SURFACE COURSE, TYPE B TON	HMA SURFACE REMOVAL, 1 1/2" SQ YD	BITUMINOUS MATERIALS (TACK COAT) POUND	INCIDENTAL HMA SURFACE COURSE TON	SURFACE REMOVAL (SPECIAL)	
			FOOT	FOOT						SQ YD	"L1"
WEST 16TH STREET											
12+96 Lt.	HOT MIX ASPHALT	Walnut ST.	10.0	23.1			50	21.9	4.1		
SOUTH HICKORY STREET											
100+92 Lt.	AGGREGATE	P.E.	5.5	15.0	2.2	1.0					
101+74 Rt.	AGGREGATE	P.E.	8.5	18.0	2.6	1.7					
102+41 Rt.	AGGREGATE	P.E.	8.0	12.0	1.6	1.1					
103+34 Lt.	CONCRETE	15th ST.	18.0	23.8			28.4	4.9	22.2	10.0 *	
103+34 Rt.	CONCRETE	15th ST.	22.4	24.2			34.1	5.8	8.9	4.0 *	
103+97 Rt.	AGGREGATE	C.E.	2.0	35.0	2.6	0.8					
104+73 Rt.	AGGREGATE	P.E.	2.5	16.0	1.2	0.5					
104+87 Lt.	AGGREGATE	C.E.	4.5	35.0	2.6	1.9					
105+11 Rt.	AGGREGATE	P.E.	2.0	16.0	1.2	0.4					
105+35 Rt.	AGGREGATE	P.E.	2.0	16.0	1.2	0.4					
106+67 Lt.	CONCRETE	14th ST.	18.0	23.4			28.0	4.8	12.7	6.0 *	
106+67 Rt.	CONCRETE	14th ST.	22.2	21.9			31.3	5.4	14.0	7.0 *	
107+56 Rt.	AGGREGATE	P.E.	8.0	13.0	2.0	1.2					
109+04 Lt.	AGGREGATE	P.E.	6.0	12.0	1.8	0.9					
109+98 Lt.	CONCRETE	13th ST.	22.3	23.6			33.3	5.7	4.4	2.0 *	
109+98 Rt.	CONCRETE	13th ST.	22.4	22.0			31.7	5.4	16.0	8.0 *	
111+84 Lt.	AGGREGATE	P.E.	5.5	12.0	1.8	0.8					
112+06 Lt.	AGGREGATE	P.E.	5.5	15.0	2.2	1.0					
112+49 Rt.	AGGREGATE	P.E.	11.0	12.0	1.8	1.6					
113+39 Lt.	CONCRETE	12th ST.	21.9	24.1			33.3	5.7	4.4	7.0 *	
113+39 Rt.	CONCRETE	12th ST.	20.8	23.6			31.5	5.4	8.0	8.0 *	
114+80 Lt.	AGGREGATE	P.E.	9.0	12.0	0.9	1.3					
115+03 Lt.	AGGREGATE	P.E.	8.0	12.0	0.9	1.1					
116+78 Lt.	CONCRETE	11th ST.	24.2	23.9			36.1	6.2	22.2	10.0 *	
116+78 Rt.	CONCRETE	11th ST.	22.9	23.3			33.7	5.8	16.0	8.0 *	
118+29 Rt.	AGGREGATE	P.E.	2.0	13.0	1.0	0.3					
120+09 Lt.	CONCRETE	10th ST.	26.4	24.0			43.1	7.4	4.4	2.0 *	
120+09 Rt.	CONCRETE	10th ST.	23.0	24.1			34.9	6.0	4.4	2.0 *	
122+07 Rt.	AGGREGATE	P.E.	2.0	24.0	1.8	0.6					
122+48 Rt.	AGGREGATE	P.E.	2.0	24.0	1.8	0.6					
122+84 Rt.	AGGREGATE	P.E.	2.0	24.0	1.8	0.6					
249+29 Lt.	HMA	4th ST.	20.7	24.3			73	32.8	6.1		
249+29 Rt.	HMA	4th ST.	20.9	24.2			77	34.5	6.4		
253+99 Lt.	HMA	3rd ST.	19.7	21.0			63	29.5	5.5		
253+99 Rt.	HMA	3rd ST.	20.1	24.3			66	32.0	6.0		
254+98 Lt.	PCC W/ HMA	P.E.	4.0	6.5			1.3	0.3	2.9	4.0	
255+01 Rt.	PCC W/ HMA	P.E.	7.0	7.5			2.6	0.5	5.8	7.0	
255+43 Rt.	HMA	P.E.	5.0	13.5			3.4	0.6	7.5	5.0	
256+80 Lt.	PCC W/ HMA	P.E.	4.0	8.0			3.6	0.3	3.6	4.0	
258+70 Lt.	HMA	2nd ST.	21.9	30.2			79	37.7	7.0		
258+70 Rt.	HMA	2nd ST.	19.9	30.2			67	32.7	6.1		
259+47 Rt.	PCC W/ HMA	P.E.	5.0	13.5			3.4	0.6	7.5	5.0	
259+68 Lt.	PCC W/ HMA	P.E.	6.0	8.5			2.6	0.5	5.7	6.0	
261+20 Lt.	PCC W/ HMA	P.E.	4.0	14.0			2.8	0.5	6.2	4.0	
261+41 Rt.	PCC W/ HMA	P.E.	5.0	9.5			2.4	0.5	5.3	5.0	
261+86 Rt.	PCC W/ HMA	P.E.	5.0	11.5			2.9	0.5	6.4	5.0	
261+87 Lt.	CONCRETE	P.E.	3.0	21.0			3.2	0.6			
262+33 Rt.	AGGREGATE	P.E.	4.0	10.0			5.0	0.4			
TOTAL					33.0	17.8	475 **	653.7	114.9	189	

NOTES: REFER TO ENTRANCE DETAILS TO SEE APPLICATION OF THE DIMENSIONS.
 ** ADDITIONAL QUANTITY SHOWN ON PAVEMENT / RESURFACING SCHEDULE.

* LENGTH OF OIL AND CHIP REMOVAL ON CONCRETE APRONS

PAVEMENT / RESURFACING SCHEDULE

LOCATION	CONCRETE GUTTER, TYPE B (SPECIAL)	HMA SURFACE REMOVAL, BUTT JOINT	PCC SURFACE REMOVAL, BUTT JOINT	PAVEMENT REMOVAL	HMA SURFACE REMOVAL, 1 1/2"	HMA SURFACE REMOVAL, 2"	HMA SURFACE REMOVAL, VARIABLE DEPTH	P.C.C. PAVEMENT, 6"	PCC BASE COURSE WIDENING, 6"	HMA BASE COURSE WIDENING, 7 1/2"	BITUMINOUS MATERIALS (TACK COAT)	LEVELING BINDER (MACHINE METHOD) N70	HMA SURFACE COURSE, MIX "C", N70	STRIP REFLECTIVE CRACK CONTROL TREATMENT	TEMPORARY RAMP				
	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	POUND	TON	TON	FOOT	SQ YD				
WEST / EAST 16TH STREET																			
I STA. 10+39 to 17+85	207	159	20	15	2,775				2	18	1,329		255		18				
SOUTH HICKORY STREET																			
II STA. 99+67 to 123+29	195			58						1,586	3,646	147	813	4,740	117				
WEST CALUMET STREET																			
III STA. 79+78 to 81+41						538					242		60		33				
SOUTH HICKORY STREET																			
IV STA. 244+82 to 253+99					2,787						1,254	119	312		36				
V STA. 253+99 to 261+76							2,618		10		1,178	101	220		18				
VI STA. 261+76 to 263+05							425				191	18	37		9				
NORTH HICKORY STREET																			
VII STA. 263+76 to 265+01.5	116			36			412	26			185	17	35		9				
VIII STA. 265+01.5 to 266+16	115			48			374	26			168	16	31						
IX STA. 266+16 to 266+92							258				116	11	22						
X STA. 266+92 to 267+29.3							118				53	5	10		9				
TOTAL					633 *	159	20	157	5,562 **	538	4,205	52	12	1,604	8,362	434	1,795	4,740	249

* ADDITIONAL QUANTITY SHOWN ON PCC SIDEWALK SCHEDULE.
 ** ADDITIONAL QUANTITY SHOWN ON ENTRANCE / SIDEROAD SCHEDULE.

DRAINAGE STRUCTURE SCHEDULE

PT	LOCATION STATION / OFFSET	DESCRIPTION	RIM	INVERT
1	100+26.38 23.32'RT	INLET ADJUSTMENT	497.60	N/A
2	106+89.15 22.83'RT	INLET, TYPE B, TYPE 8 GRATE	496.50	492.71
3	110+21.01 22.93'RT	INLET, TYPE B, TYPE 8 GRATE	496.50	493.25
4	113+15.01 22.85'LT	INLET, TYPE B, TYPE 8 GRATE	495.91	492.99
5	113+56.94 18.66'LT	INLET, TYPE B, TYPE 8 GRATE	496.05	492.59
6	120+31.43 23.08'RT	MANHOLE, TYPE A, 4' DIA., TYPE 8 GRATE	493.84	490.50
7	18+20.82 23.91'RT	INLET ADJUSTMENT	XXX.XX	N/A

RIM FRAME AND GRATE (SPECIAL) = FLOWLINE AT TOP OF GRATE
 RIM TYPE B GRATE = TOP SURFACE OF 1" CASTING BASE

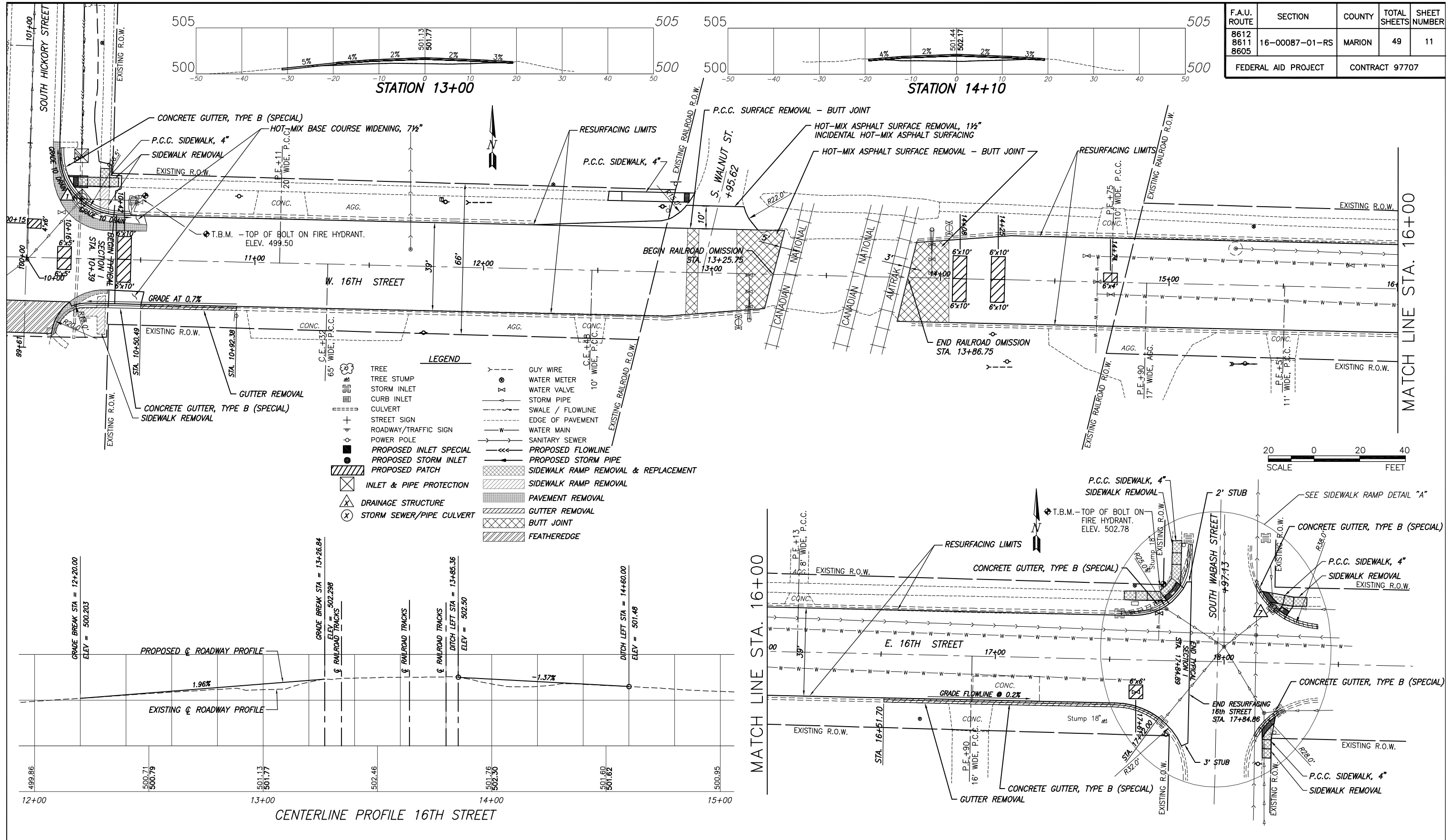
STORM SEWER / PIPE CULVERT SCHEDULE

PIPE NO.	UPSTREAM STATION / OFFSET	DOWNSTREAM STATION / OFFSET	UPSTREAM INVERT ELEV.	DOWNSTREAM INVERT ELEV.	PIPE SLOPE	12" PIPE CULVERT CLASS D, TYPE 1	12" STORM SEWER CLASS A, TYPE 1
1	101+05.00, 17.43 LT	100+80.04, 17.82 LT	496.14	495.97	0.65%	25'	
2	101+87.70, 20.52 RT	101+59.57, 20.98 RT	496.29	496.11	0.61%	28'	
3	107+02.66, 22.21 RT	106+89.15, 22.83 RT	495.29	493.40	15.60%		12'
4	107+67.84, 20.33 RT	107+44.89, 20.36 RT	495.97	495.69	1.26%	23'	
5	108+92.96, 17.25 LT	109+14.96, 18.57 LT	495.67	495.45	0.98%	22'	
6	110+34.96, 18.99 RT	110+21.01, 22.93 RT	495.50	494.00	11.48%		13'
7	111+73.01, 17.77 LT	112+19.35, 17.55 LT	495.59	495.24	0.76%	46'	
8	112+38.08, 20.91 RT	112+60.08, 21.47 RT	495.50	495.26	1.08%	22'	
9	112+89.66, 20.60 LT	113+15.01, 22.85 LT	494.50	493.40	4.59%		24'
10	113+79.31, 19.21 LT	113+56.94, 18.66 LT	494.50	493.20	6.37%		20'
11	120+41.37, 18.43 RT	120+31.43, 23.08 RT	493.51	491.10	25.03%		10'
TOTALS						146'	79'

NOTE: OFFSETS TO ALL INLETS AND MANHOLES ARE TO THE CENTER OF THE DRAINAGE STRUCTURE.

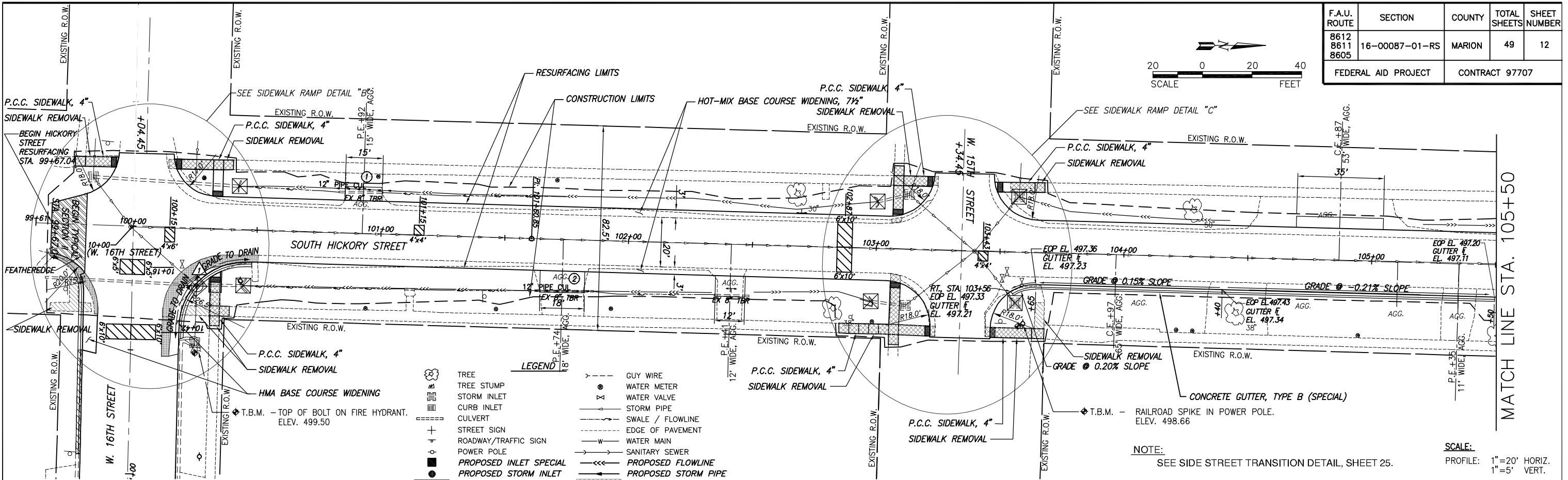
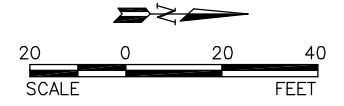
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	10
FEDERAL AID PROJECT		CONTRACT 97707		

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	11
FEDERAL AID PROJECT			CONTRACT 97707	



ROADWAY PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

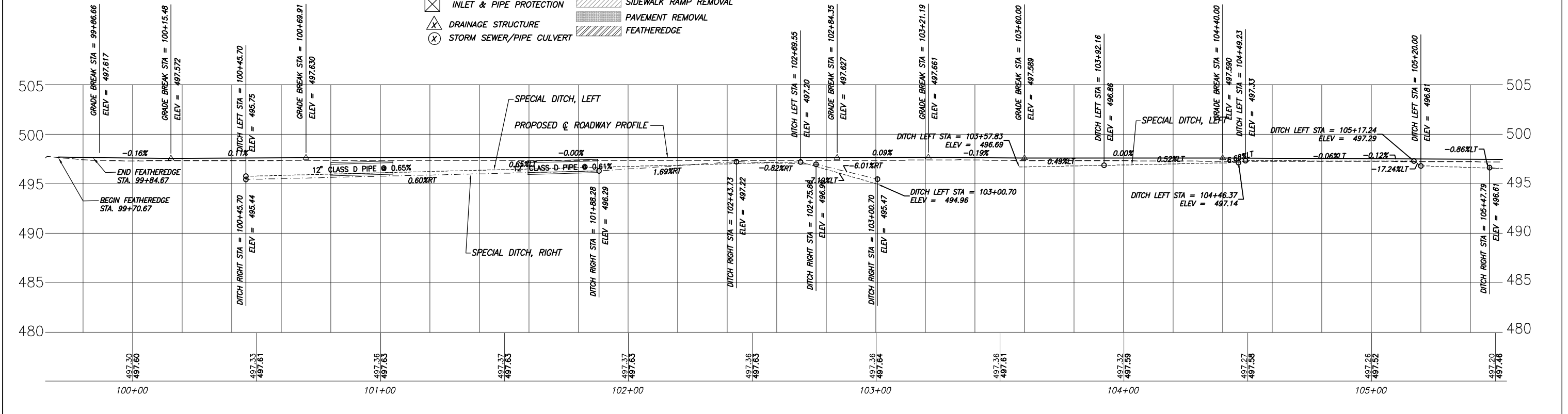
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	12
FEDERAL AID PROJECT			CONTRACT 97707	



- LEGEND**
- TREE
 - TREE STUMP
 - STORM INLET
 - CURB INLET
 - CULVERT
 - STREET SIGN
 - ROADWAY/TRAFFIC SIGN
 - POWER POLE
 - PROPOSED INLET SPECIAL
 - PROPOSED STORM INLET
 - PROPOSED PATCH
 - INLET & PIPE PROTECTION
 - DRAINAGE STRUCTURE
 - STORM SEWER/PIPE CULVERT
 - GUY WIRE
 - WATER METER
 - WATER VALVE
 - STORM PIPE
 - SWALE / FLOWLINE
 - EDGE OF PAVEMENT
 - WATER MAIN
 - SANITARY SEWER
 - PROPOSED FLOWLINE
 - PROPOSED STORM PIPE
 - SIDEWALK RAMP REMOVAL & REPLACEMENT
 - PAVEMENT REMOVAL
 - FEATHEREDGE

NOTE: SEE SIDE STREET TRANSITION DETAIL, SHEET 25.

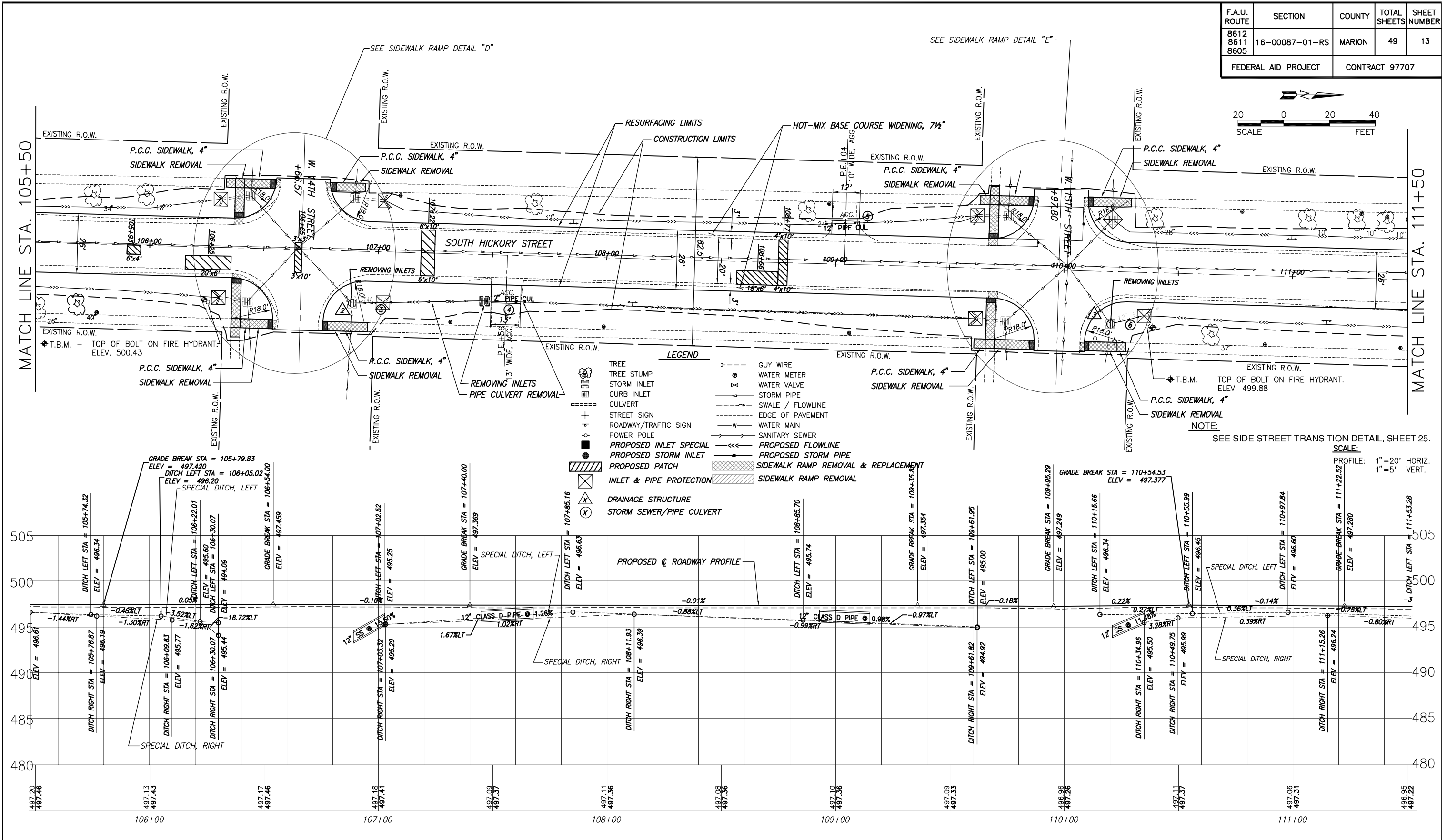
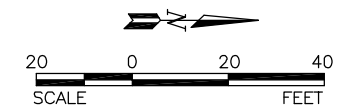
SCALE: PROFILE: 1"=20' HORIZ. 1"=5' VERT.



ROADWAY PLAN HICKORY STREET / 16TH STREET RESURFACING SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

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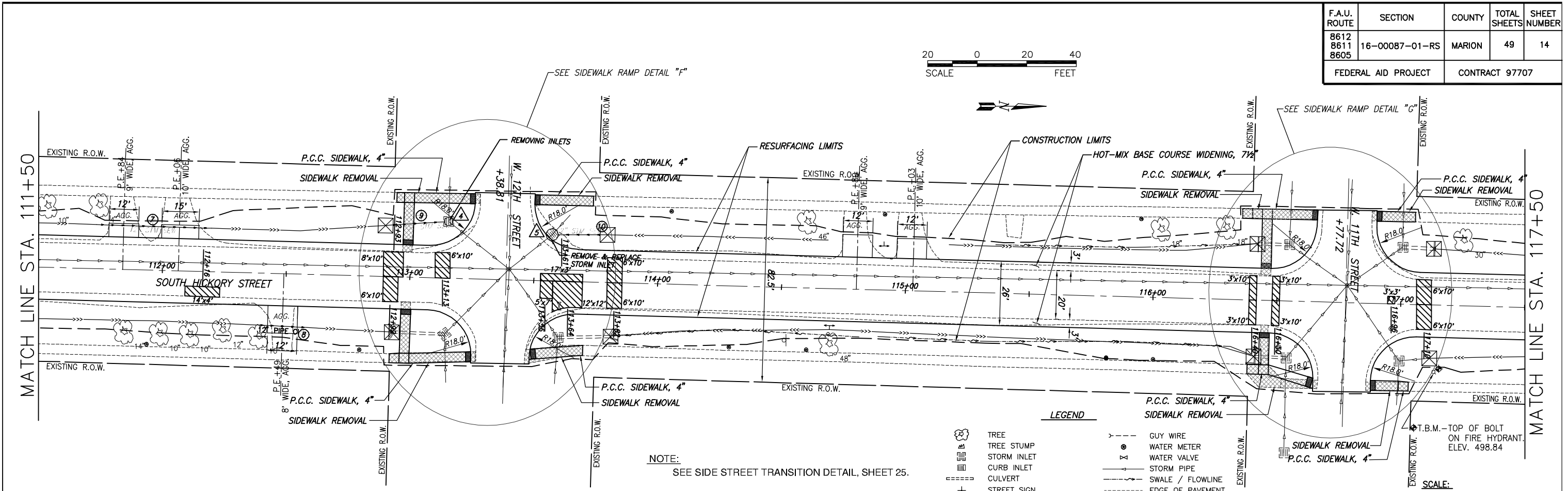
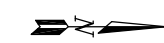
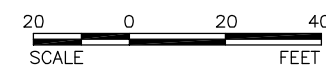
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	13
FEDERAL AID PROJECT		CONTRACT 97707		



ROADWAY PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

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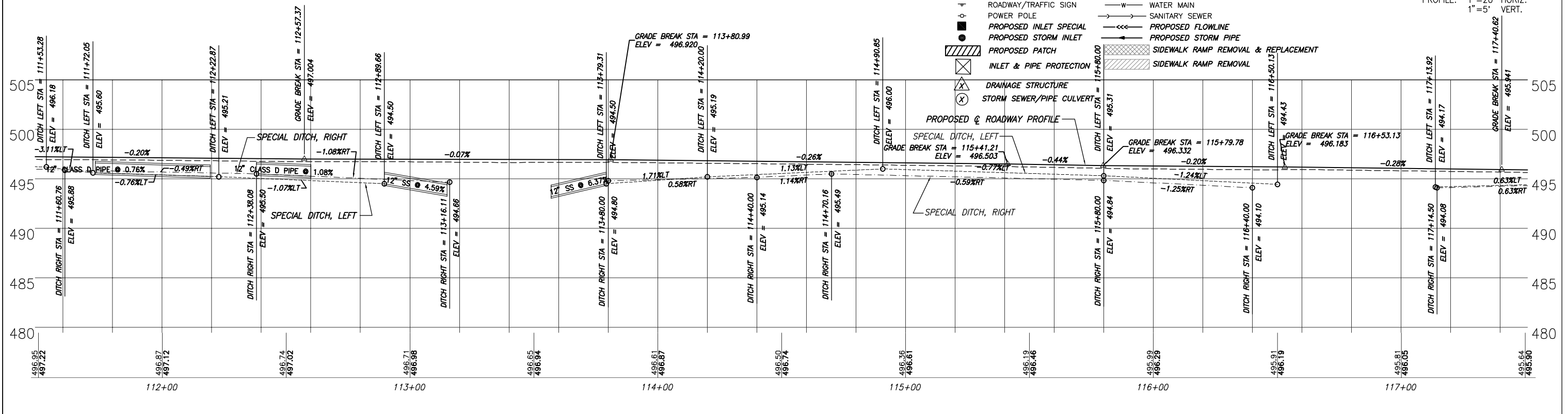
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8612 8611 8605	16-00087-01-RS	MARION	49	14
FEDERAL AID PROJECT			CONTRACT 97707	



NOTE:
SEE SIDE STREET TRANSITION DETAIL, SHEET 25.

- LEGEND**
- TREE
 - TREE STUMP
 - STORM INLET
 - CURB INLET
 - CULVERT
 - STREET SIGN
 - ROADWAY/TRAFFIC SIGN
 - POWER POLE
 - PROPOSED INLET SPECIAL
 - PROPOSED STORM INLET
 - PROPOSED PATCH
 - INLET & PIPE PROTECTION
 - DRAINAGE STRUCTURE
 - STORM SEWER/PIPE CULVERT
 - GUY WIRE
 - WATER METER
 - WATER VALVE
 - STORM PIPE
 - SWALE / FLOWLINE
 - EDGE OF PAVEMENT
 - WATER MAIN
 - SANITARY SEWER
 - PROPOSED FLOWLINE
 - PROPOSED STORM PIPE
 - SIDEWALK RAMP REMOVAL & REPLACEMENT
 - SIDEWALK RAMP REMOVAL

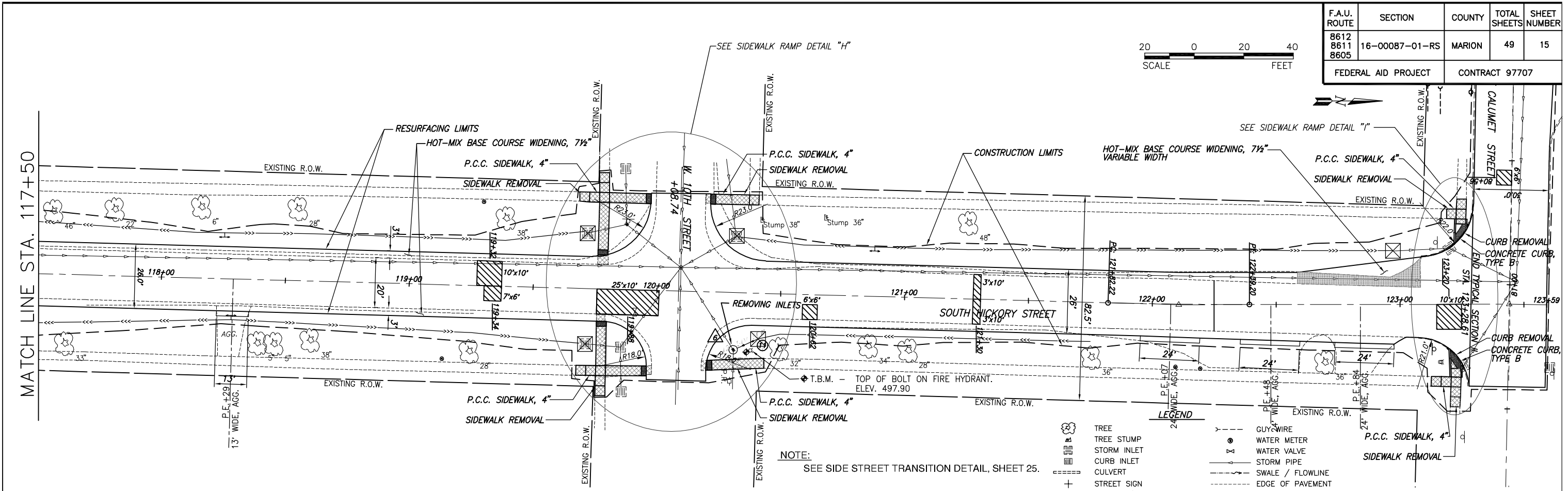
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1"=5' VERT.



ROADWAY PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

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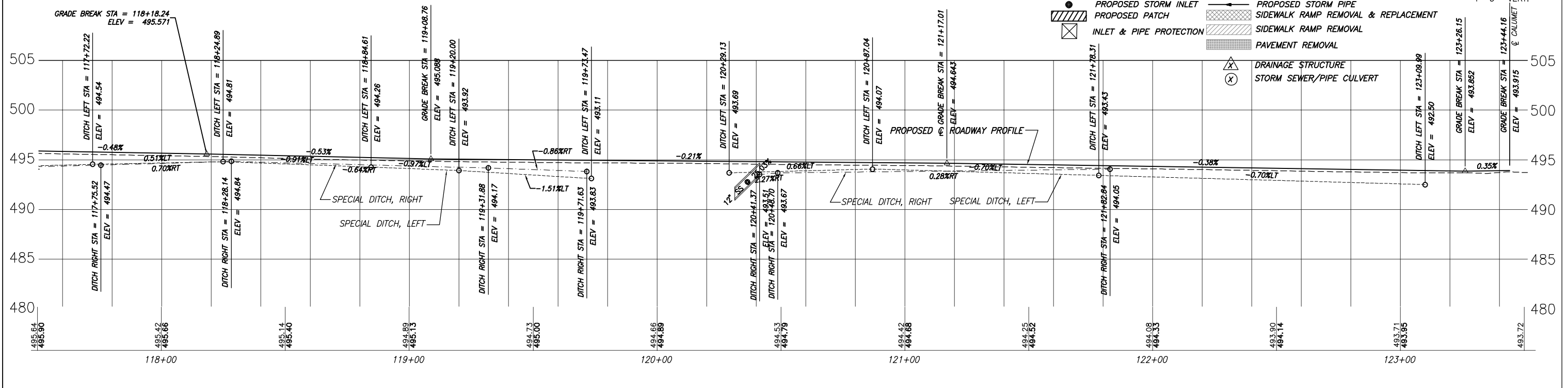
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	15
FEDERAL AID PROJECT		CONTRACT 97707		



NOTE:
SEE SIDE STREET TRANSITION DETAIL, SHEET 25.

- LEGEND**
- TREE
 - TREE STUMP
 - STORM INLET
 - CURB INLET
 - CULVERT
 - STREET SIGN
 - ROADWAY/TRAFFIC SIGN
 - POWER POLE
 - PROPOSED INLET SPECIAL
 - PROPOSED STORM INLET
 - PROPOSED PATCH
 - INLET & PIPE PROTECTION
 - GUY WIRE
 - WATER METER
 - WATER VALVE
 - STORM PIPE
 - SWALE / FLOWLINE
 - EDGE OF PAVEMENT
 - WATER MAIN
 - SANITARY SEWER
 - PROPOSED FLOWLINE
 - PROPOSED STORM PIPE
 - SIDEWALK RAMP REMOVAL & REPLACEMENT
 - SIDEWALK RAMP REMOVAL
 - PAVEMENT REMOVAL
 - DRAINAGE STRUCTURE
 - STORM SEWER/PIPE CULVERT

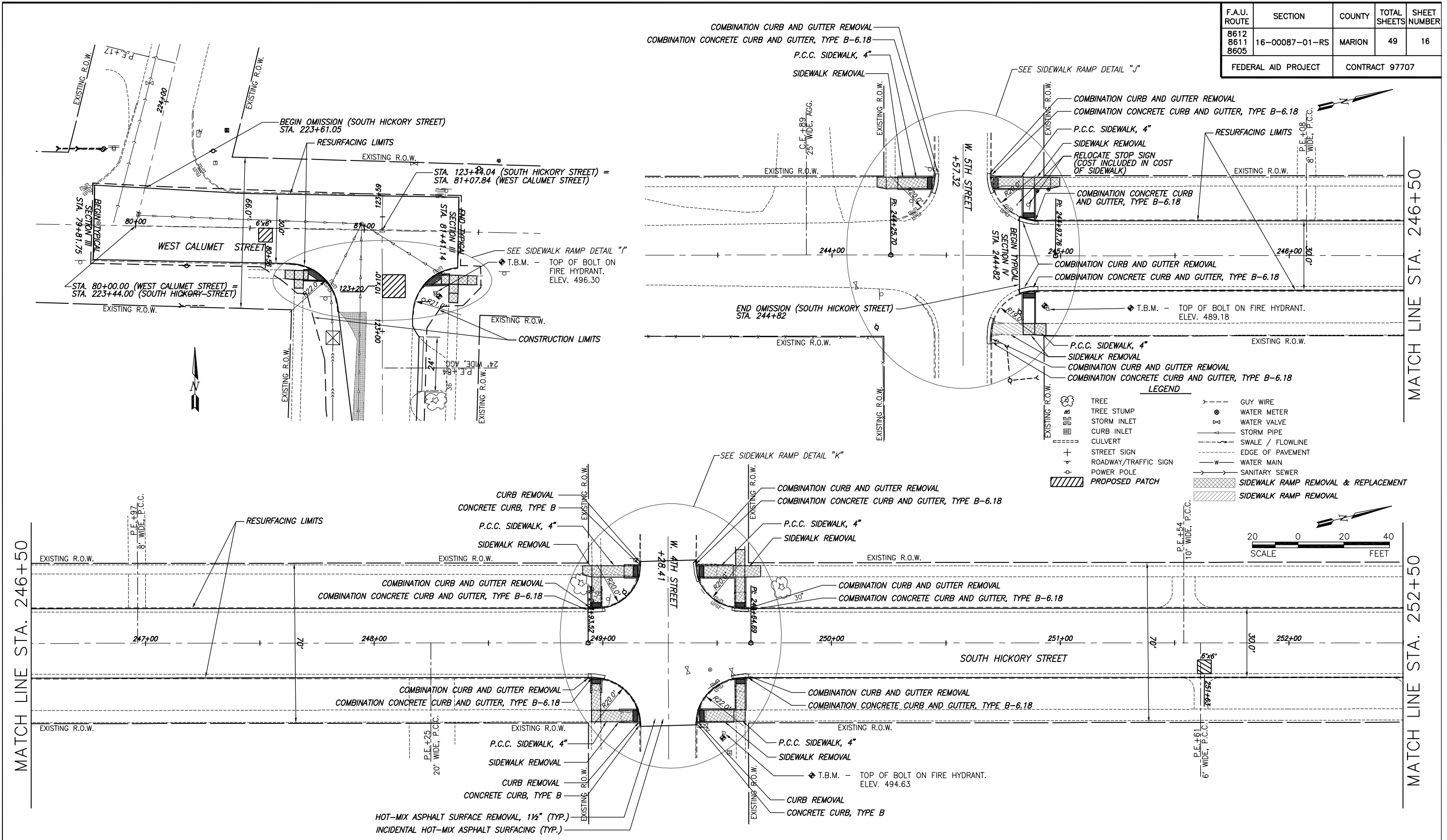
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ROADWAY PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

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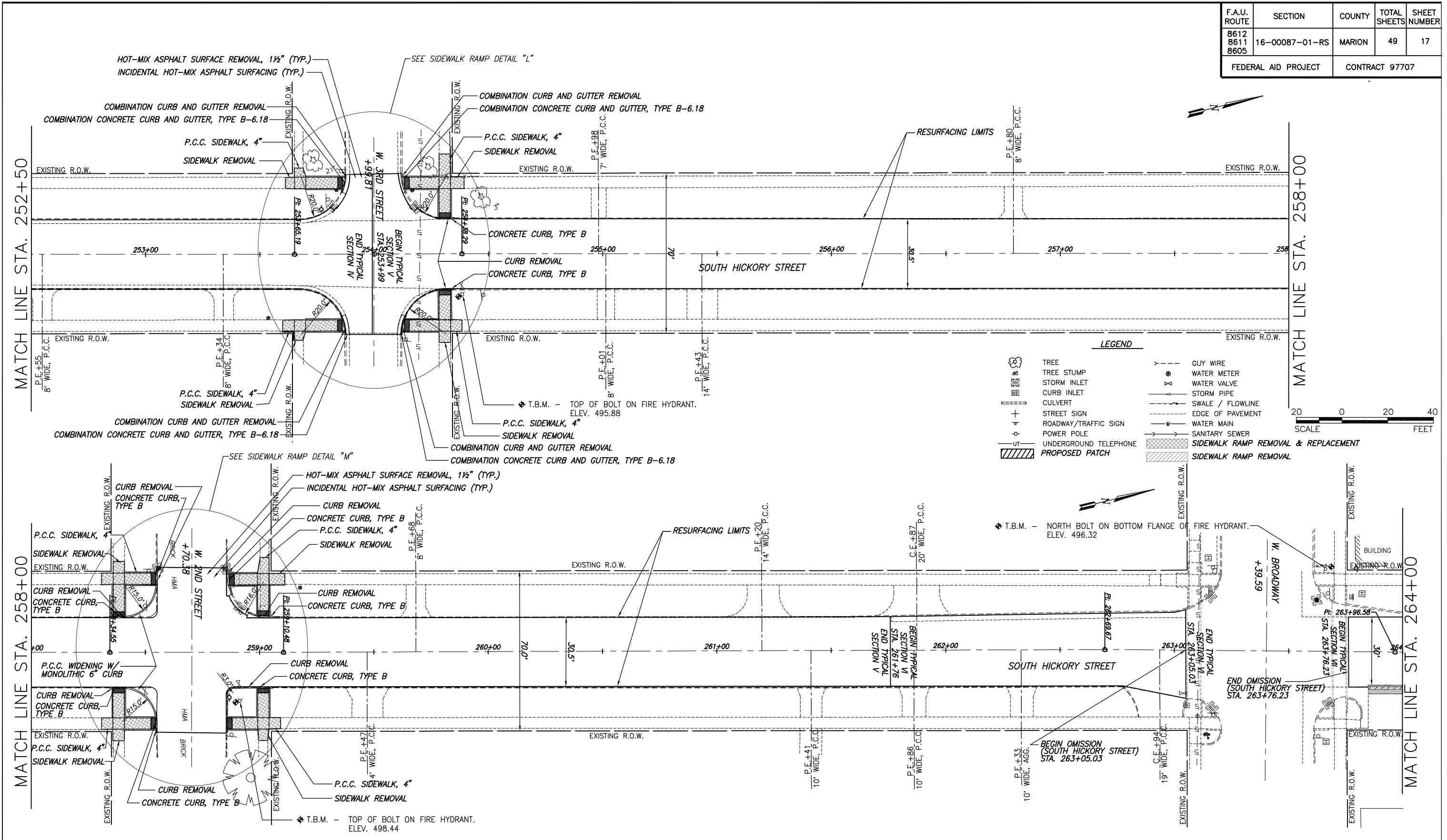
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8612 8611 8605	16-00087-01-RS	MARION	49	16
FEDERAL AID PROJECT			CONTRACT 97707	



ROADWAY PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

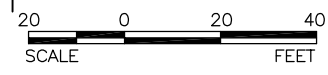
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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	17
FEDERAL AID PROJECT			CONTRACT 97707	



LEGEND

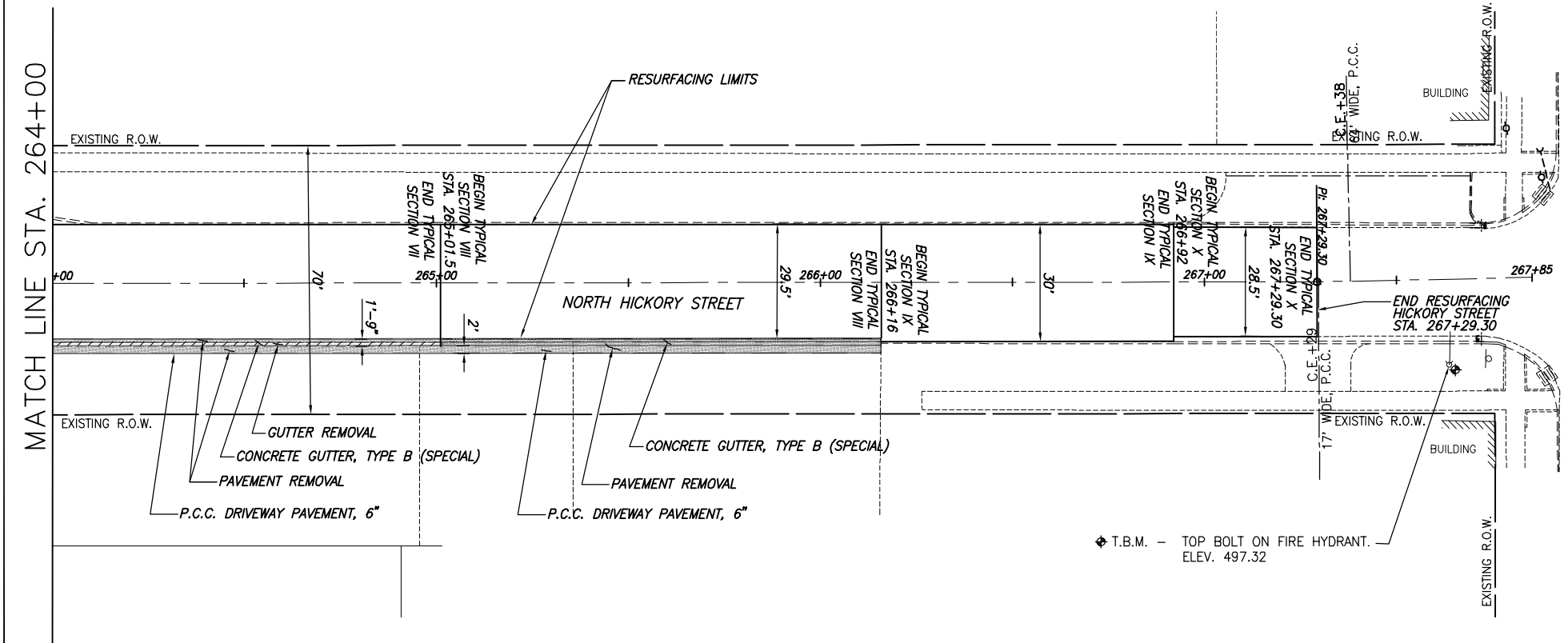
	TREE		GUY WIRE
	TREE STUMP		WATER METER
	STORM INLET		WATER VALVE
	CURB INLET		STORM PIPE
	CULVERT		SWALE / FLOWLINE
	STREET SIGN		EDGE OF PAVEMENT
	ROADWAY/TRAFFIC SIGN		WATER MAIN
	POWER POLE		SANITARY SEWER
	UNDERGROUND TELEPHONE		SIDEWALK RAMP REMOVAL & REPLACEMENT
	PROPOSED PATCH		SIDEWALK RAMP REMOVAL



ROADWAY PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	18
FEDERAL AID PROJECT		CONTRACT 97707		



W. NOLEMAN STREET

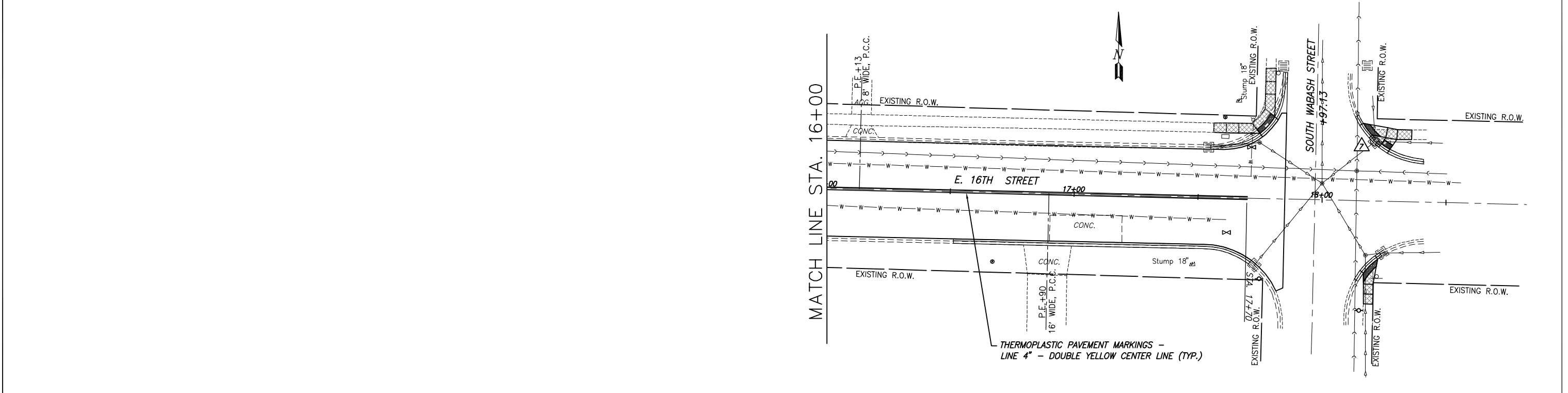
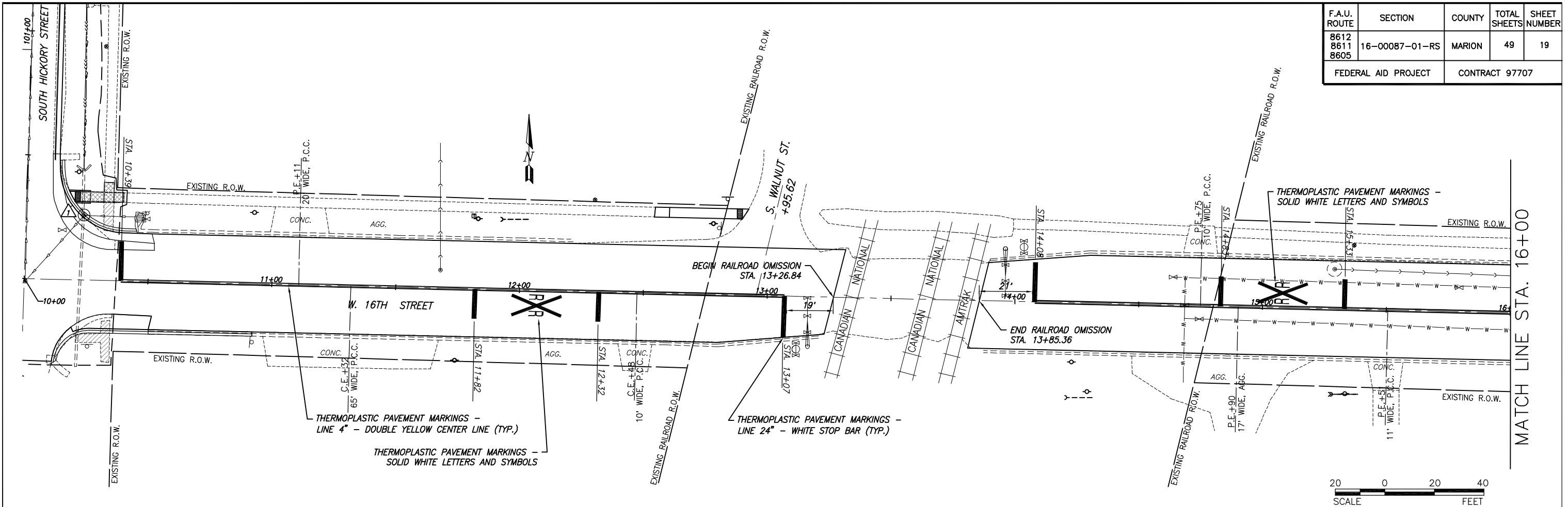


LEGEND

	TREE		STORM PIPE
	TREE STUMP		SWALE / FLOWLINE
	STORM INLET		EDGE OF PAVEMENT
	CURB INLET		WATER MAIN
	CULVERT		SANITARY SEWER
	STREET SIGN		PROPOSED PATCH
	ROADWAY/TRAFFIC SIGN		SIDEWALK RAMP REMOVAL & REPLACEMENT
	POWER POLE		SIDEWALK RAMP REMOVAL
	GUY WIRE		PAVEMENT REMOVAL
	WATER METER		GUTTER REMOVAL
	WATER VALVE		

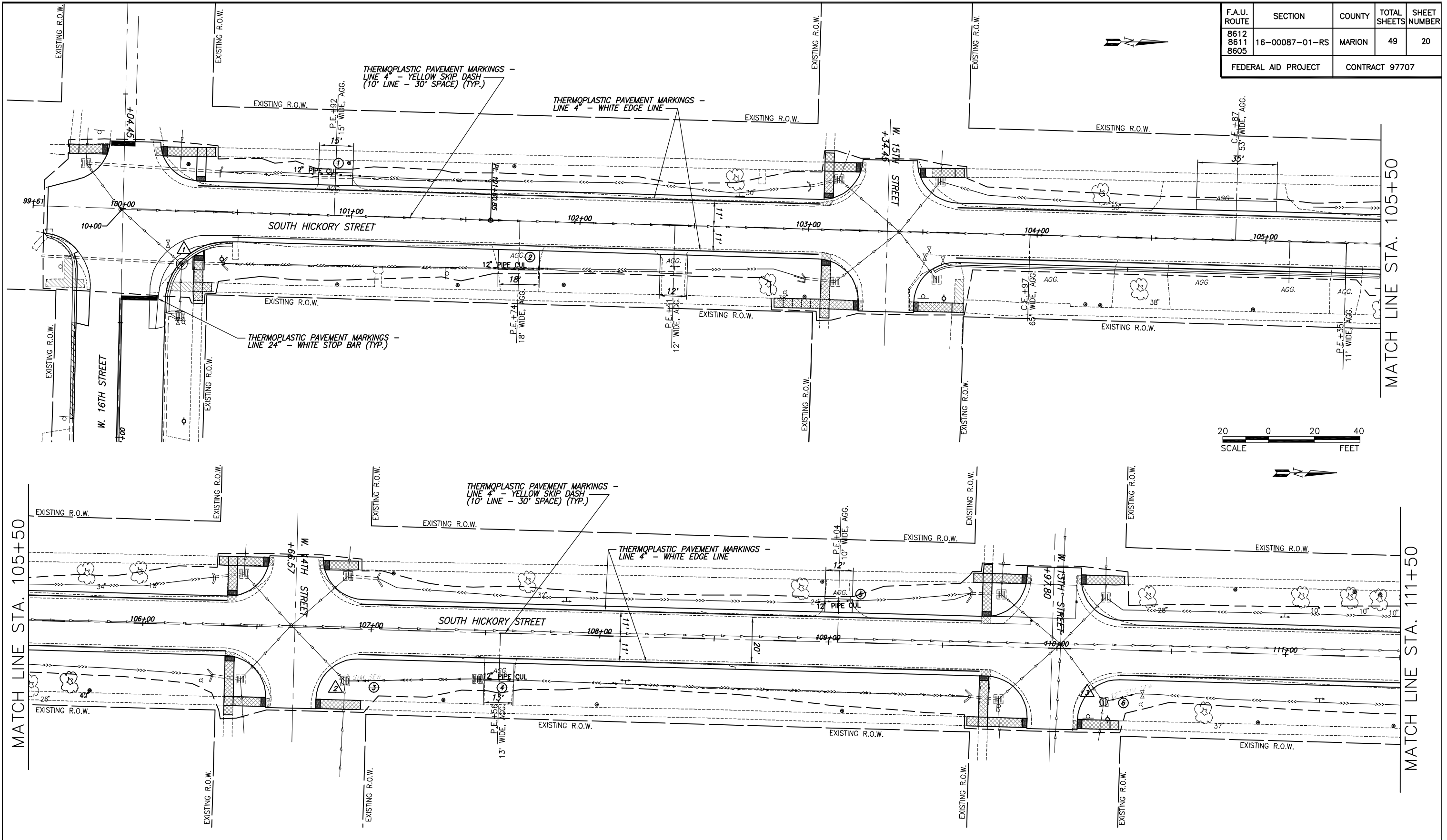
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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	19
FEDERAL AID PROJECT			CONTRACT 97707	



PAVEMENT MARKING PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

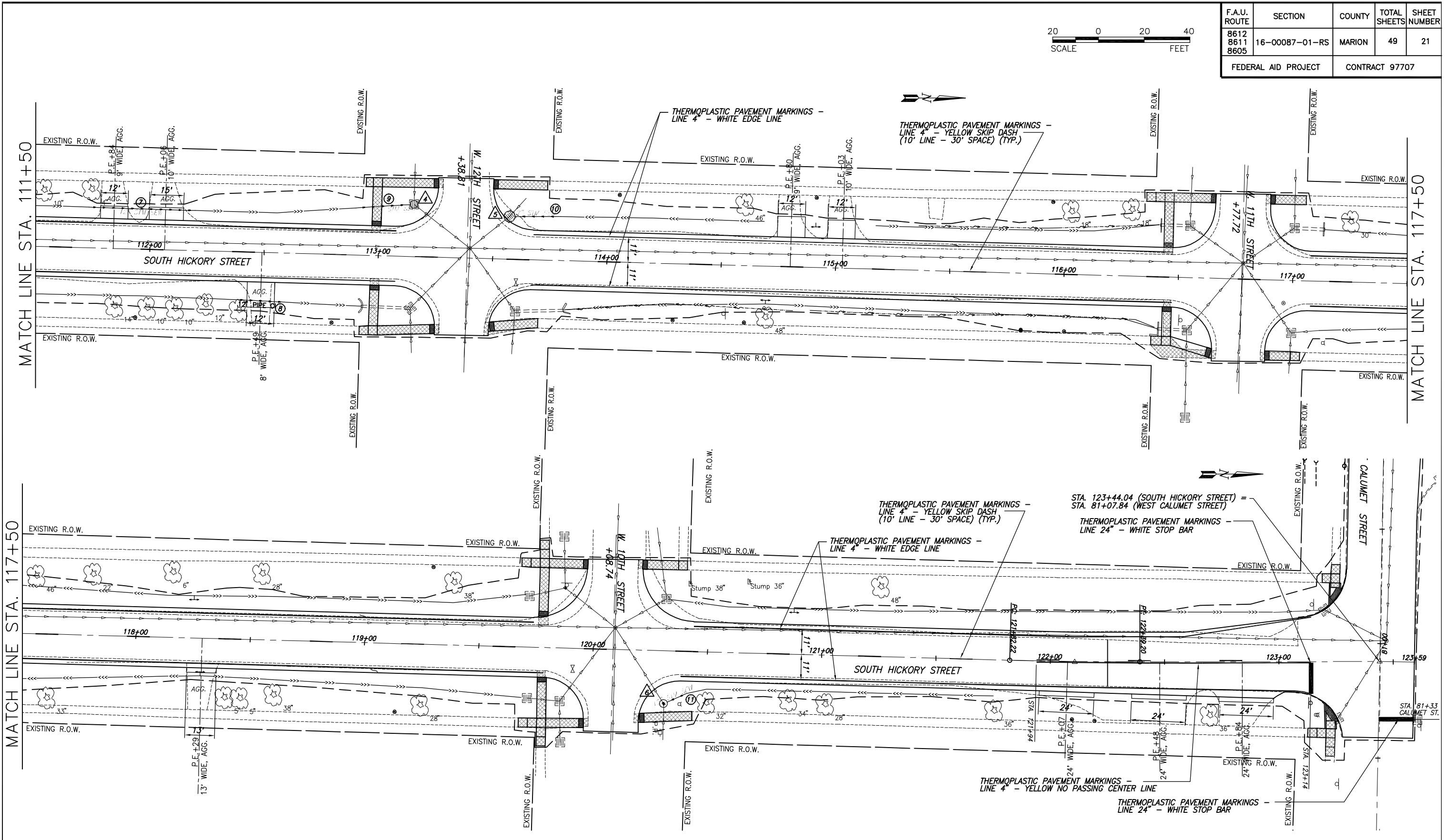
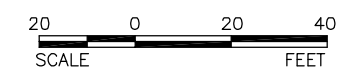
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	20
FEDERAL AID PROJECT			CONTRACT 97707	



PAVEMENT MARKING PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

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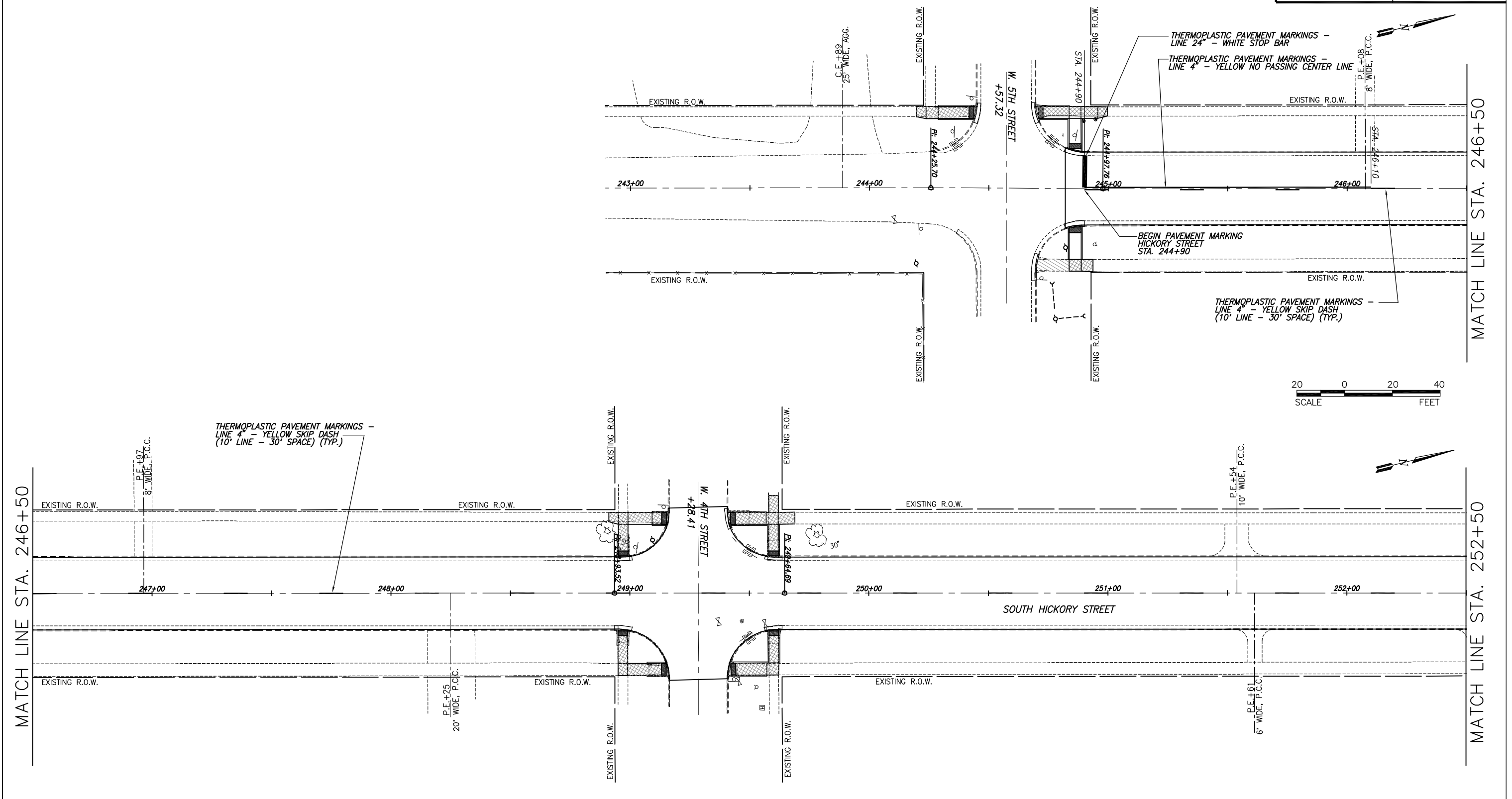
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	21
FEDERAL AID PROJECT		CONTRACT 97707		



PAVEMENT MARKING PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

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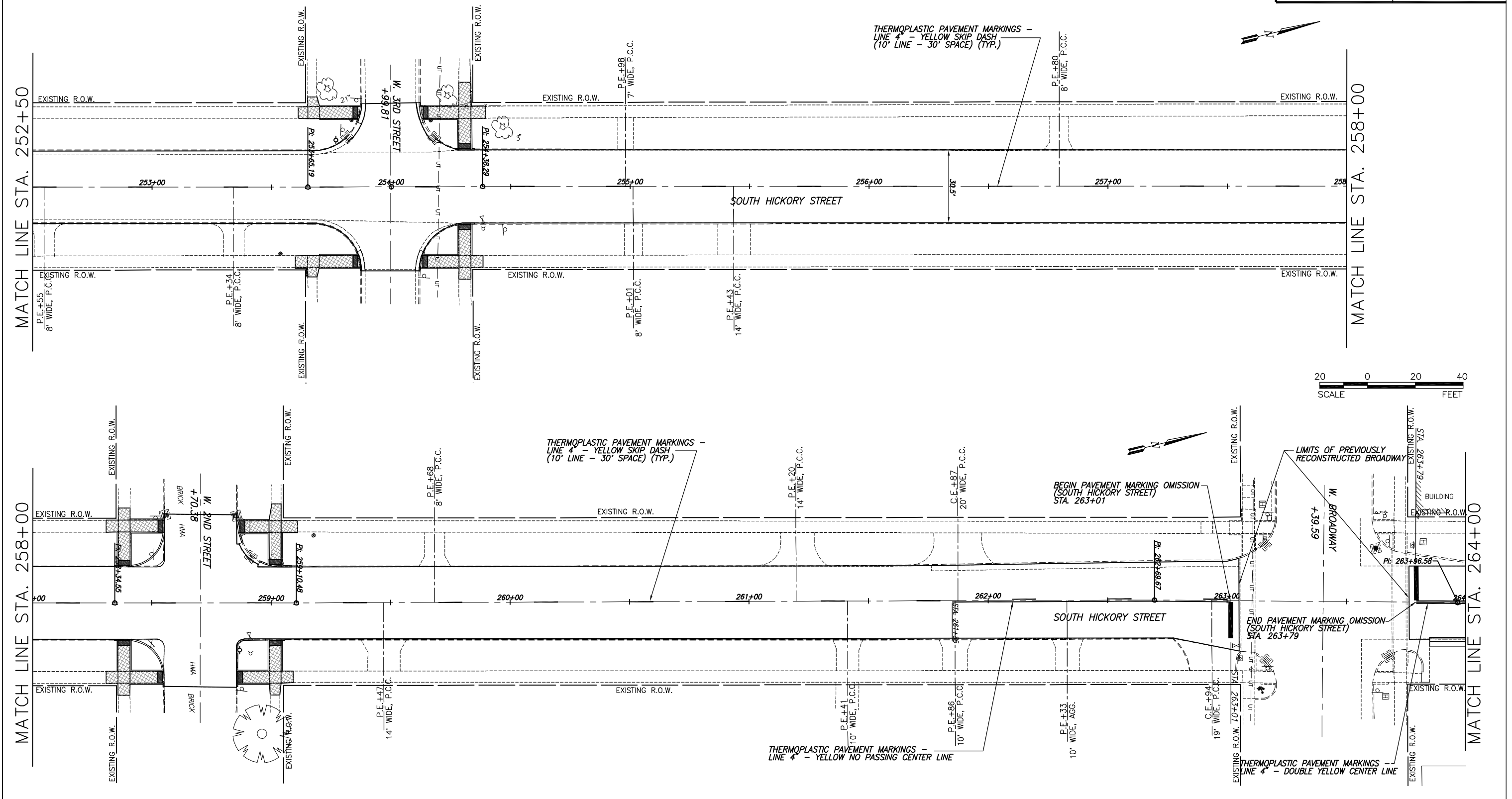
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8612 8611 8605	16-00087-01-RS	MARION	49	22
FEDERAL AID PROJECT		CONTRACT 97707		



PAVEMENT MARKING PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

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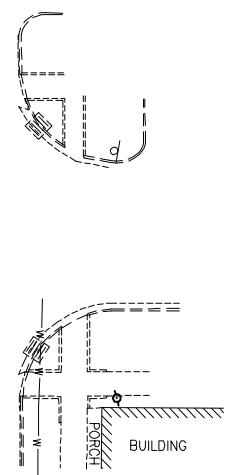
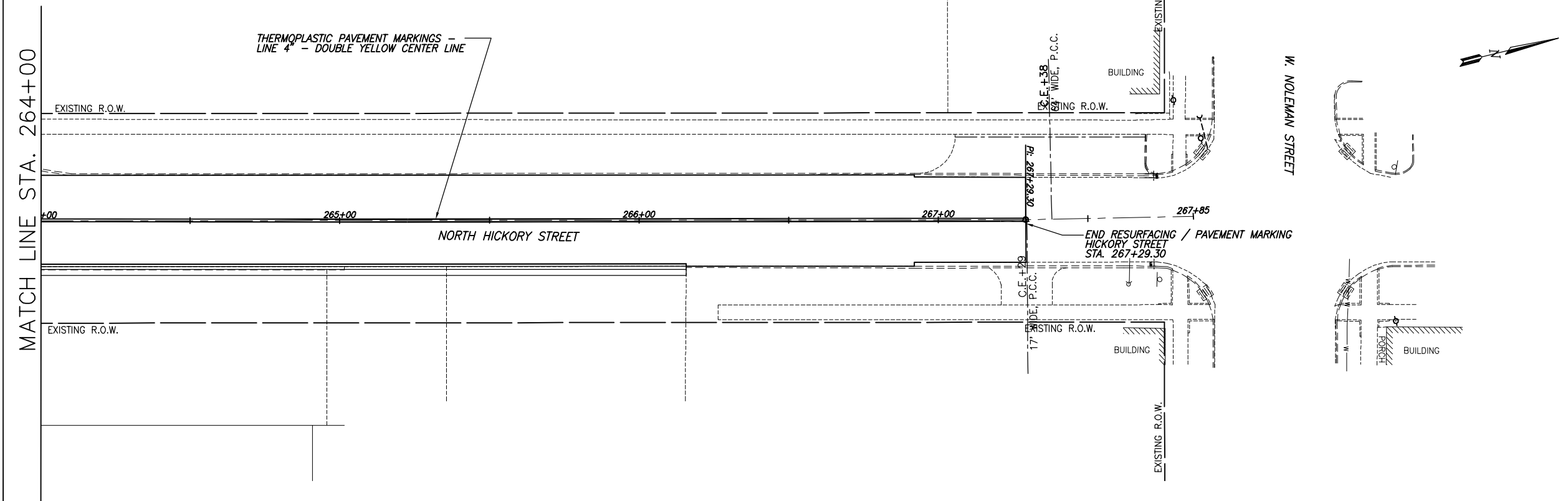
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	23
FEDERAL AID PROJECT		CONTRACT 97707		



PAVEMENT MARKING PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
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FEDERAL AID PROJECT		CONTRACT 97707		

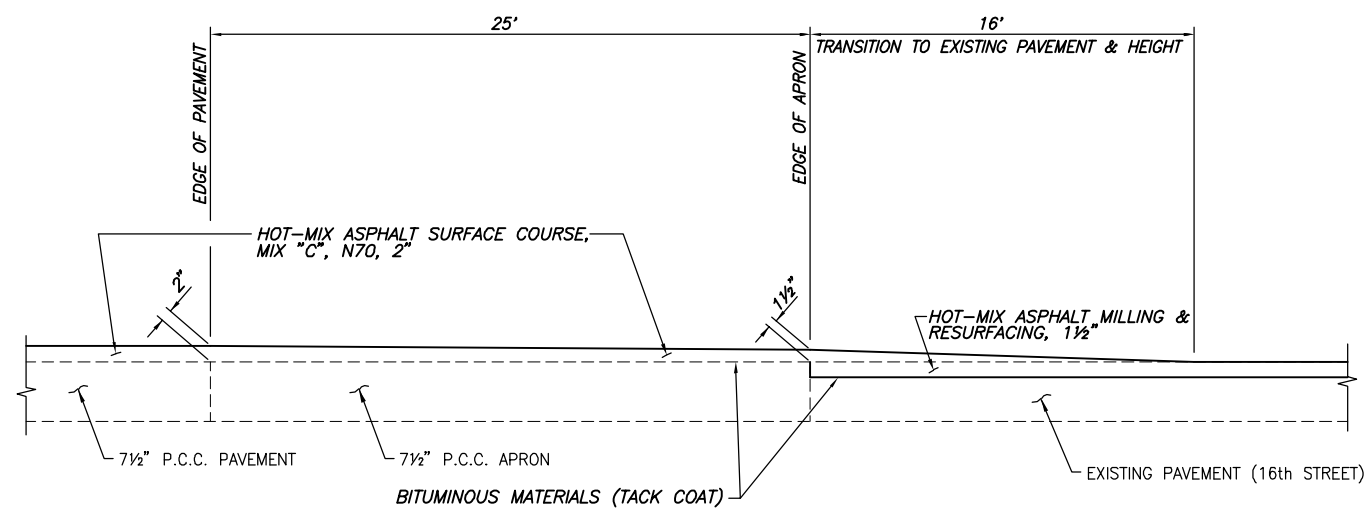


MATCH LINE STA. 264+00

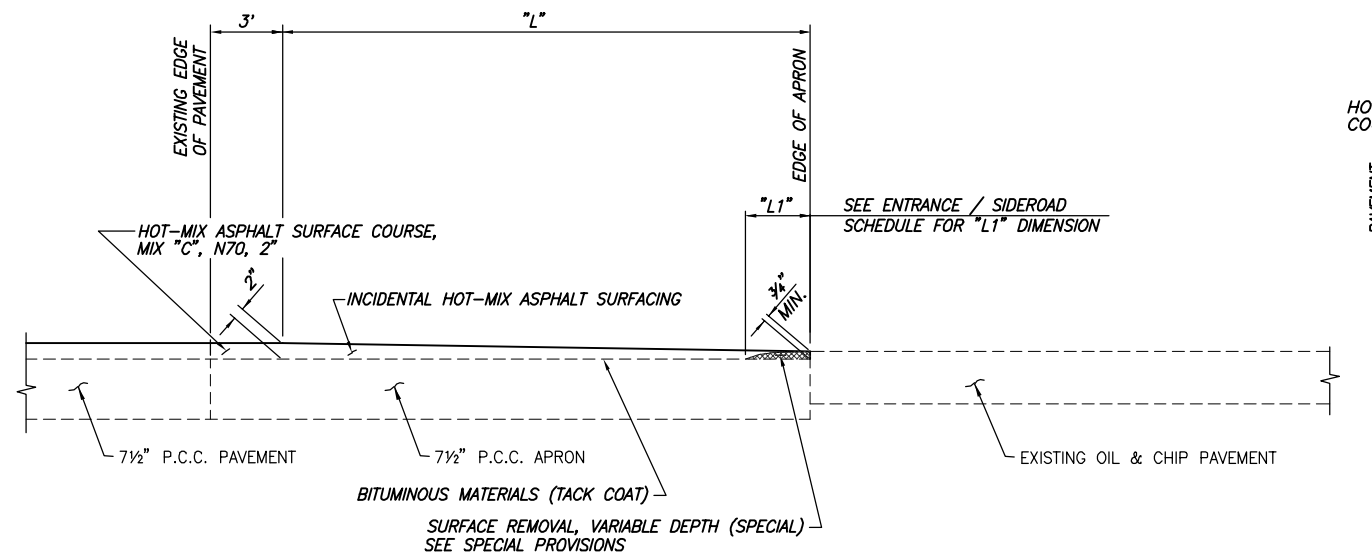
PAVEMENT MARKING PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

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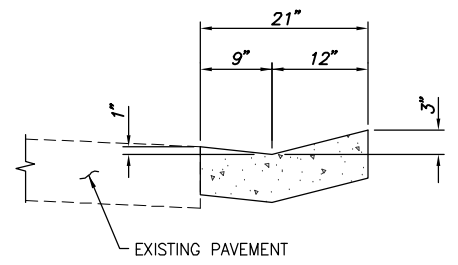
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
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FEDERAL AID PROJECT			CONTRACT 97707	



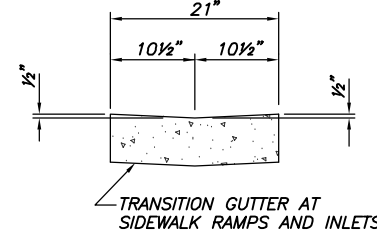
HICKORY / 16th STREET RESURFACING TRANSITION
N.T.S.



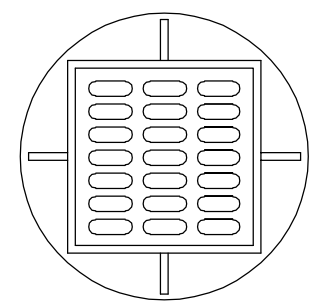
HICKORY STREET SIDE STREET TRANSITIONS (10th to 15th STREET)
N.T.S.



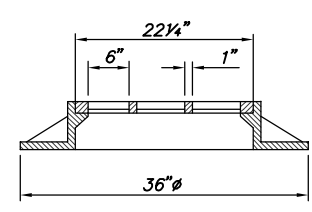
TYPE B GUTTER (SPECIAL)
N.T.S.



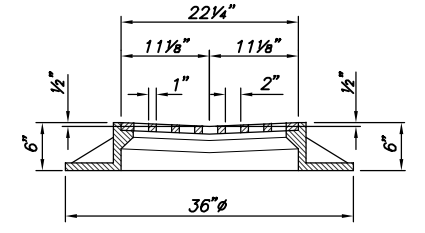
TYPE B GUTTER TRANSITION
N.T.S.



PLAN VIEW

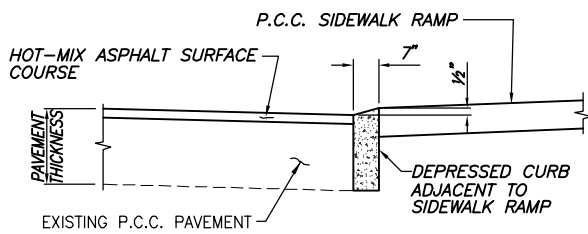


FRONT ELEVATION

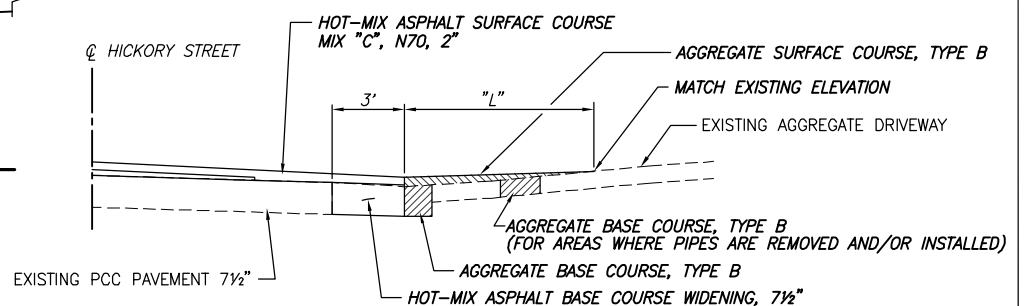


SIDE ELEVATION

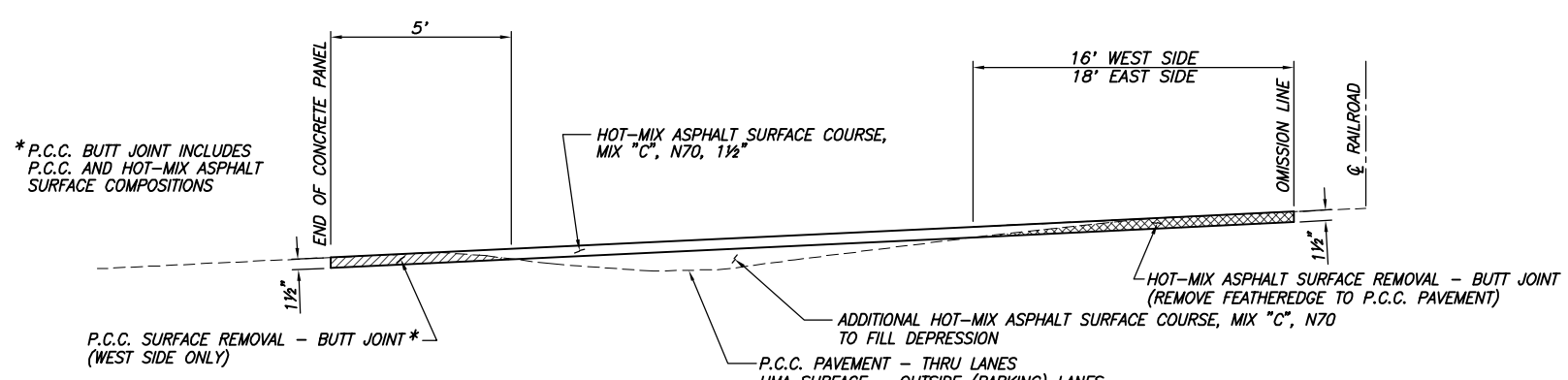
INLET FRAME AND GRATE (SPECIAL)
N.T.S.



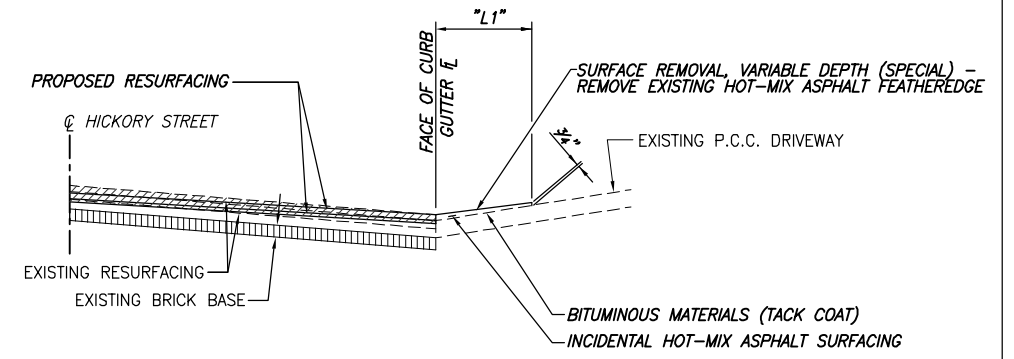
DEPRESSED CURB DETAIL
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ENTRANCE TRANSITION
STA. 99+67 TO 123+29
N.T.S.



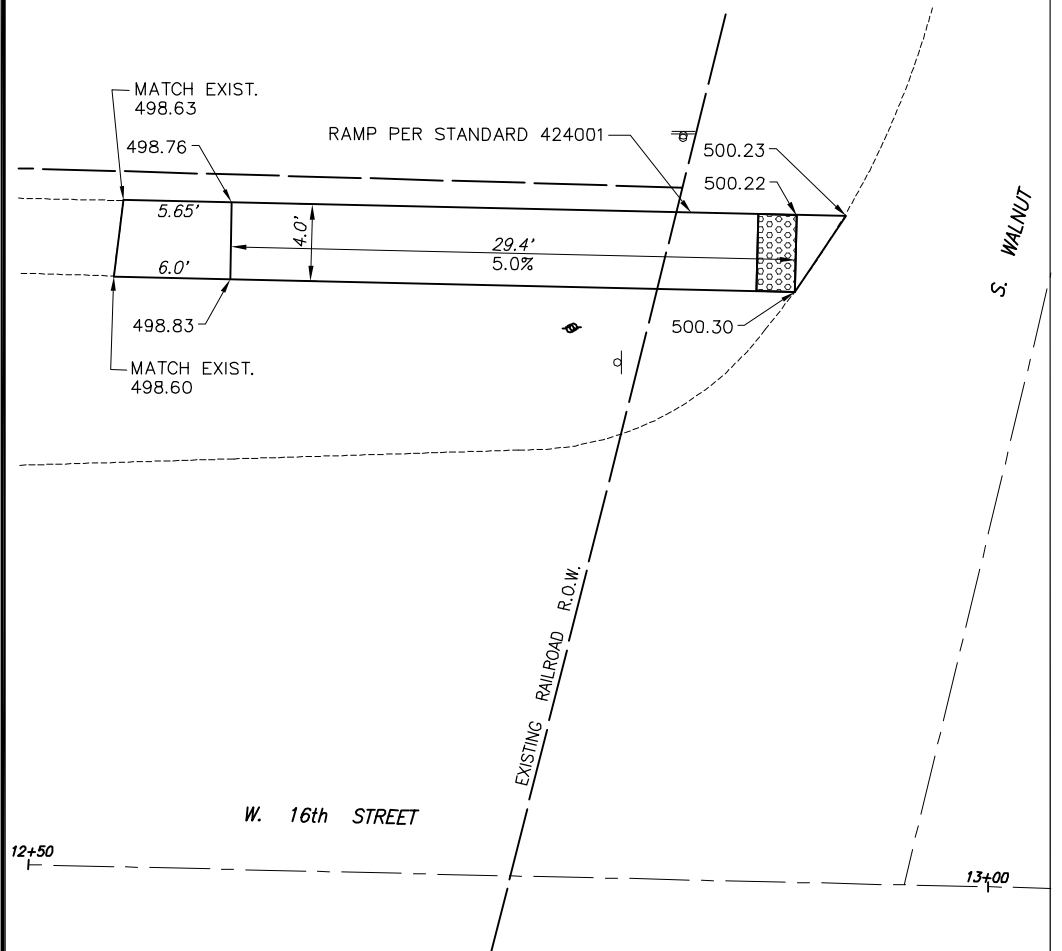
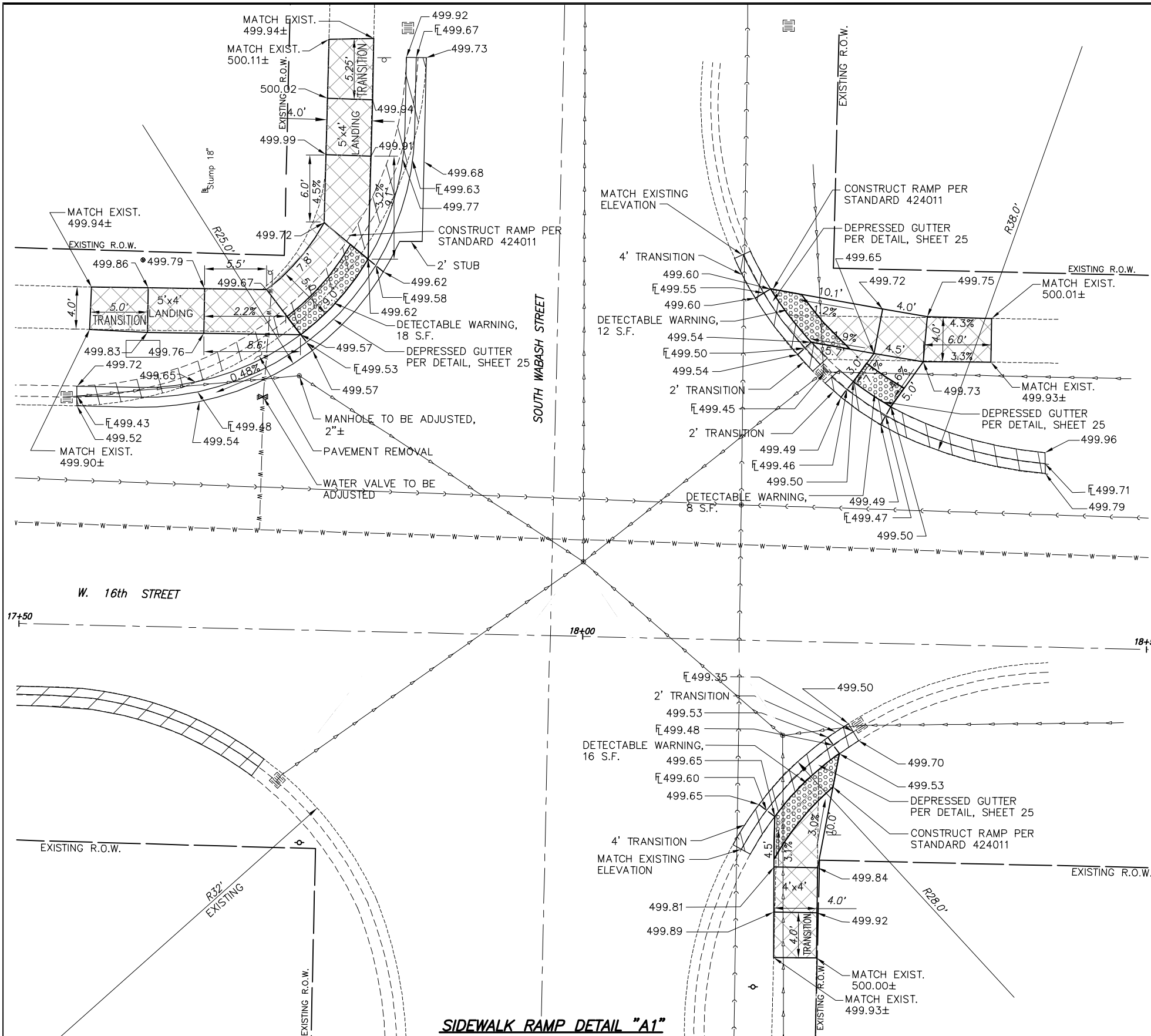
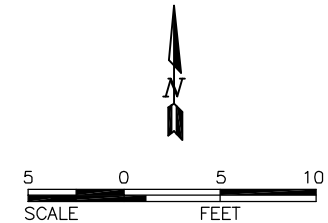
WEST / EAST 16th STREET TRANSITION DETAIL AT RAILROAD
N.T.S.



ENTRANCE TRANSITION
STA. 253+99 TO 263+05
N.T.S.

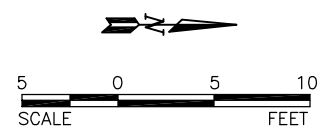
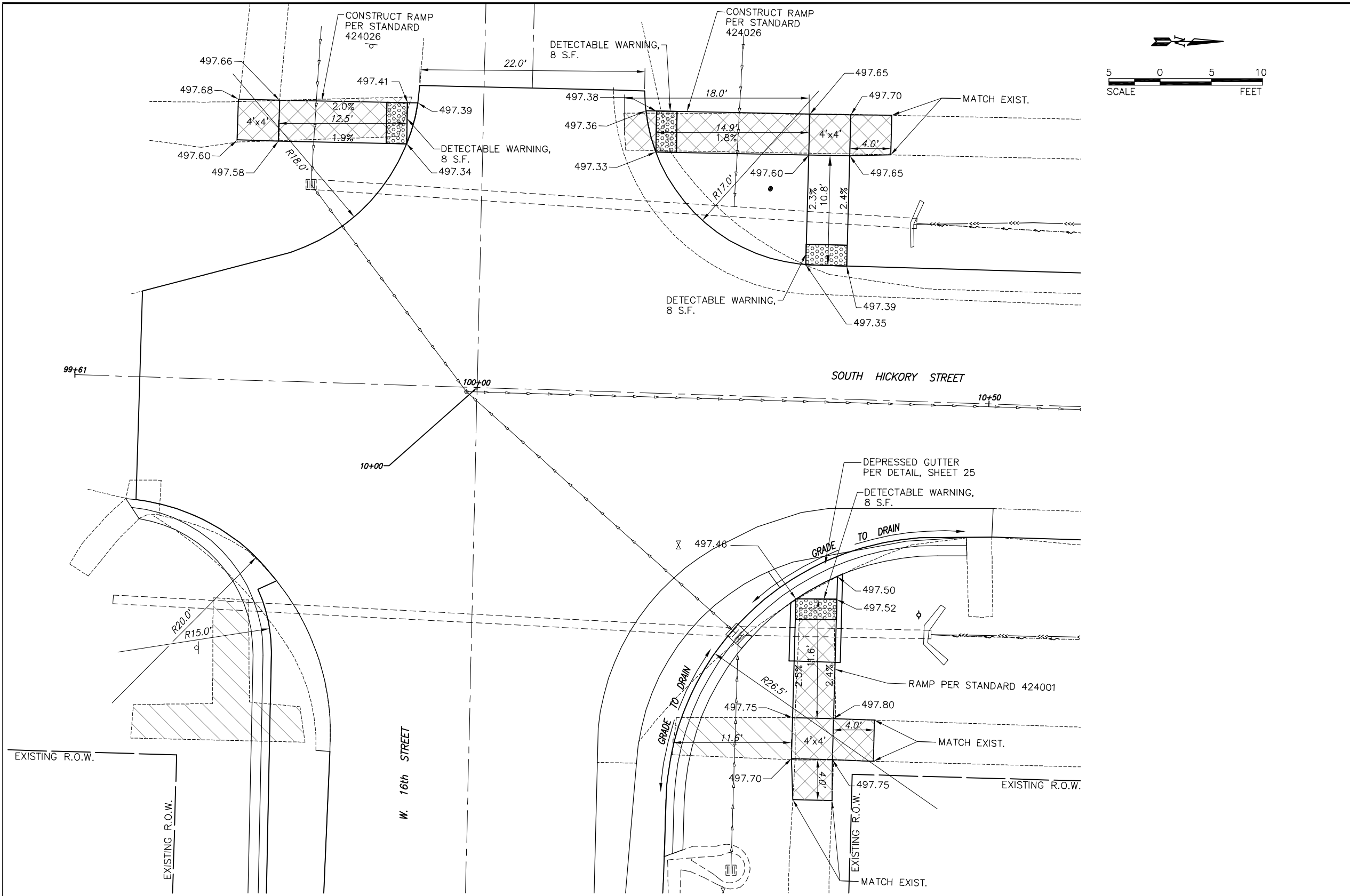
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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	26
FEDERAL AID PROJECT			CONTRACT 97707	



SIDEWALK RAMP DETAIL "A1"

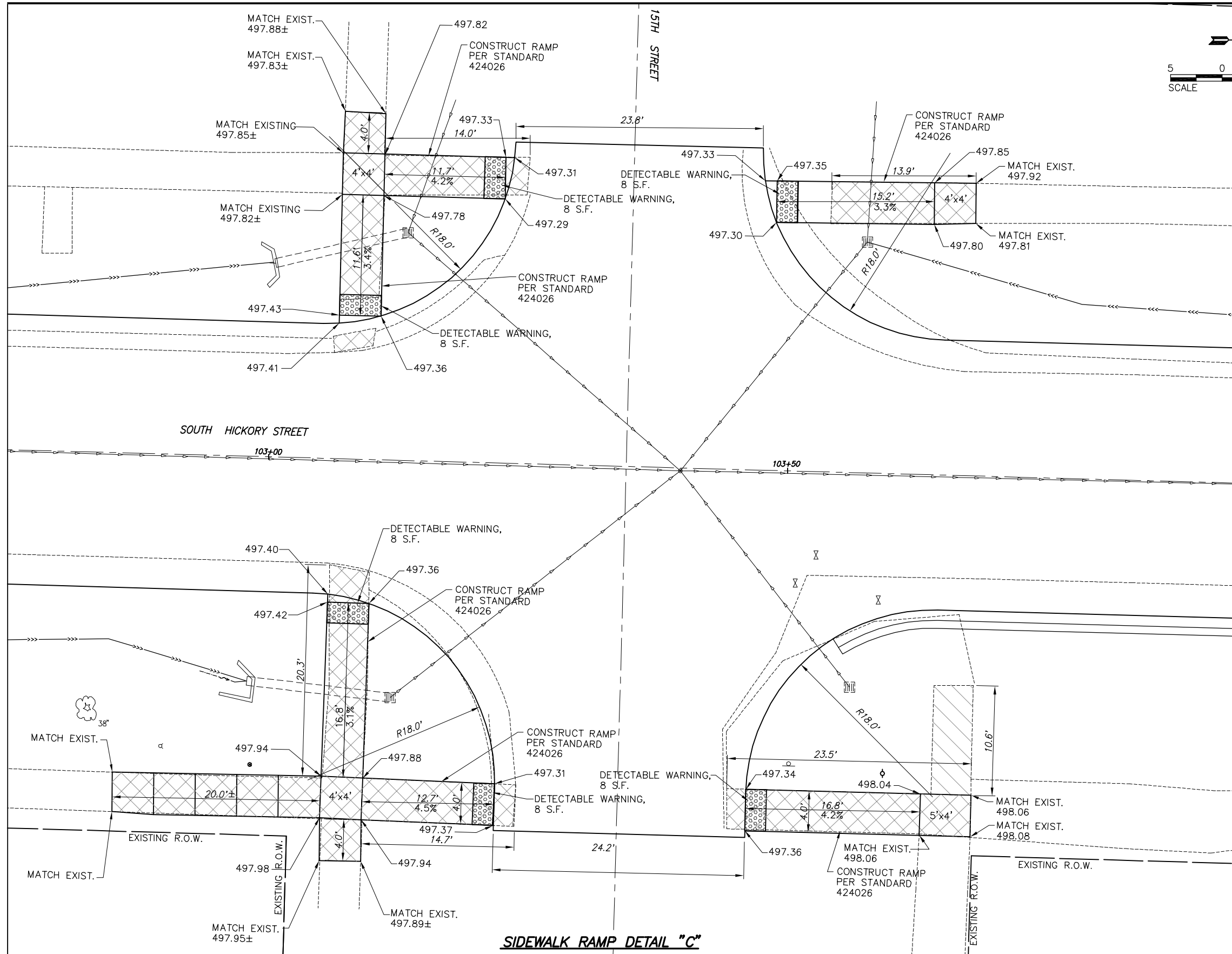
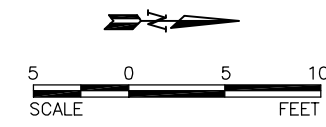
SIDEWALK RAMP DETAIL "A"



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	27
FEDERAL AID PROJECT		CONTRACT 97707		

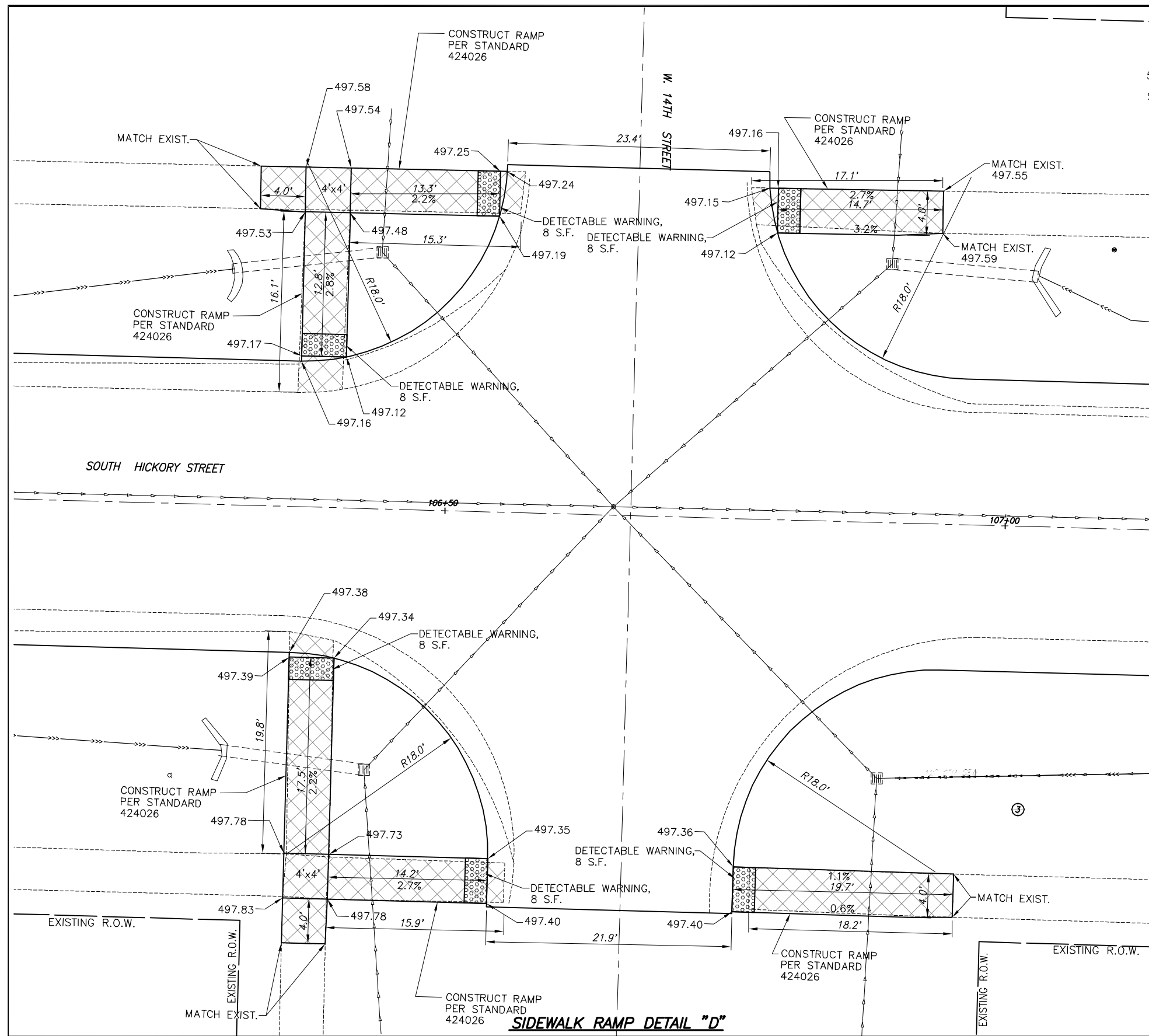
SIDEWALK RAMP DETAIL "B"

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	28
FEDERAL AID PROJECT		CONTRACT 97707		

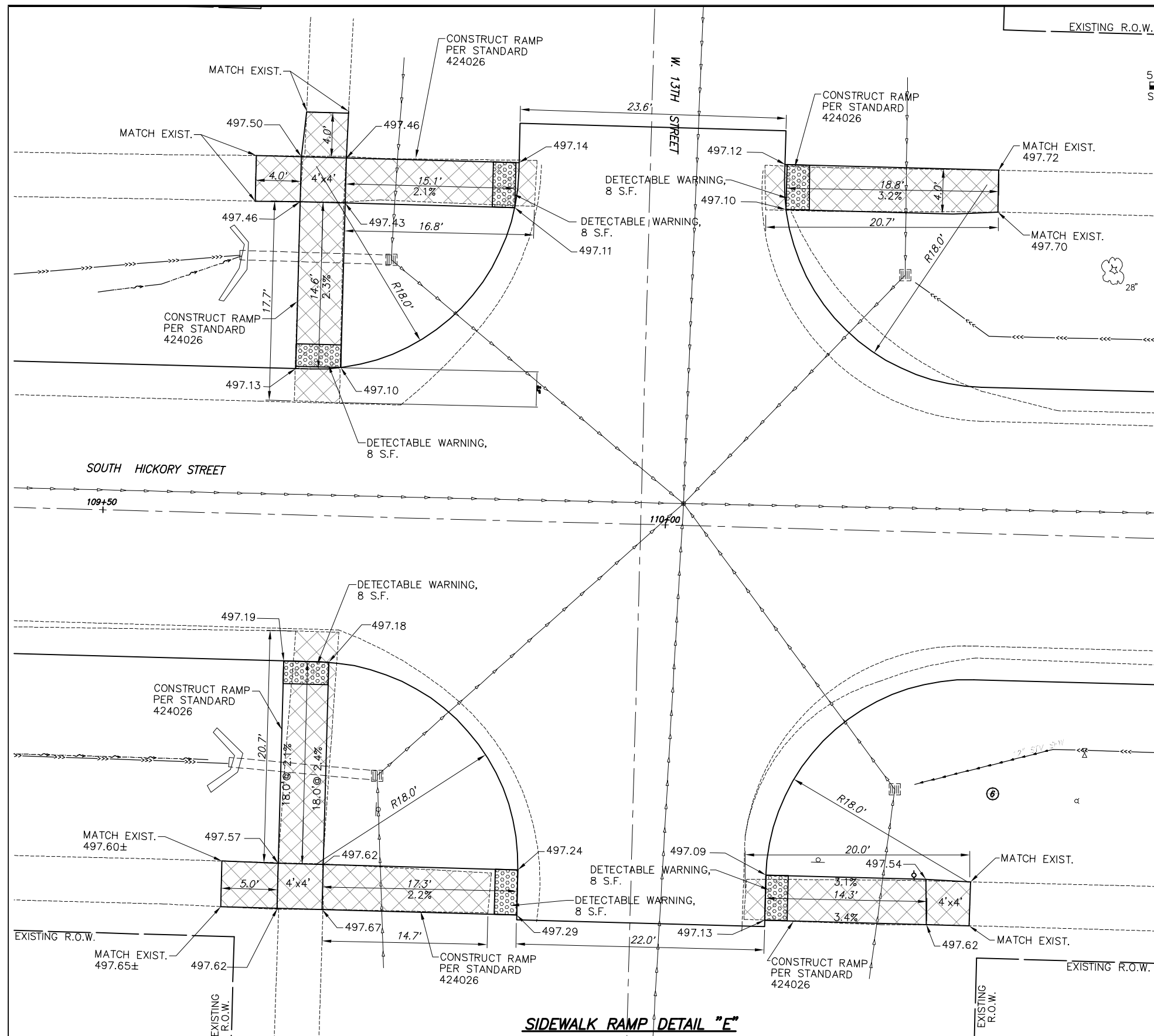


SIDEWALK RAMP DETAIL "C"

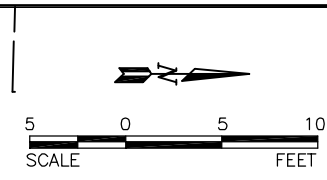
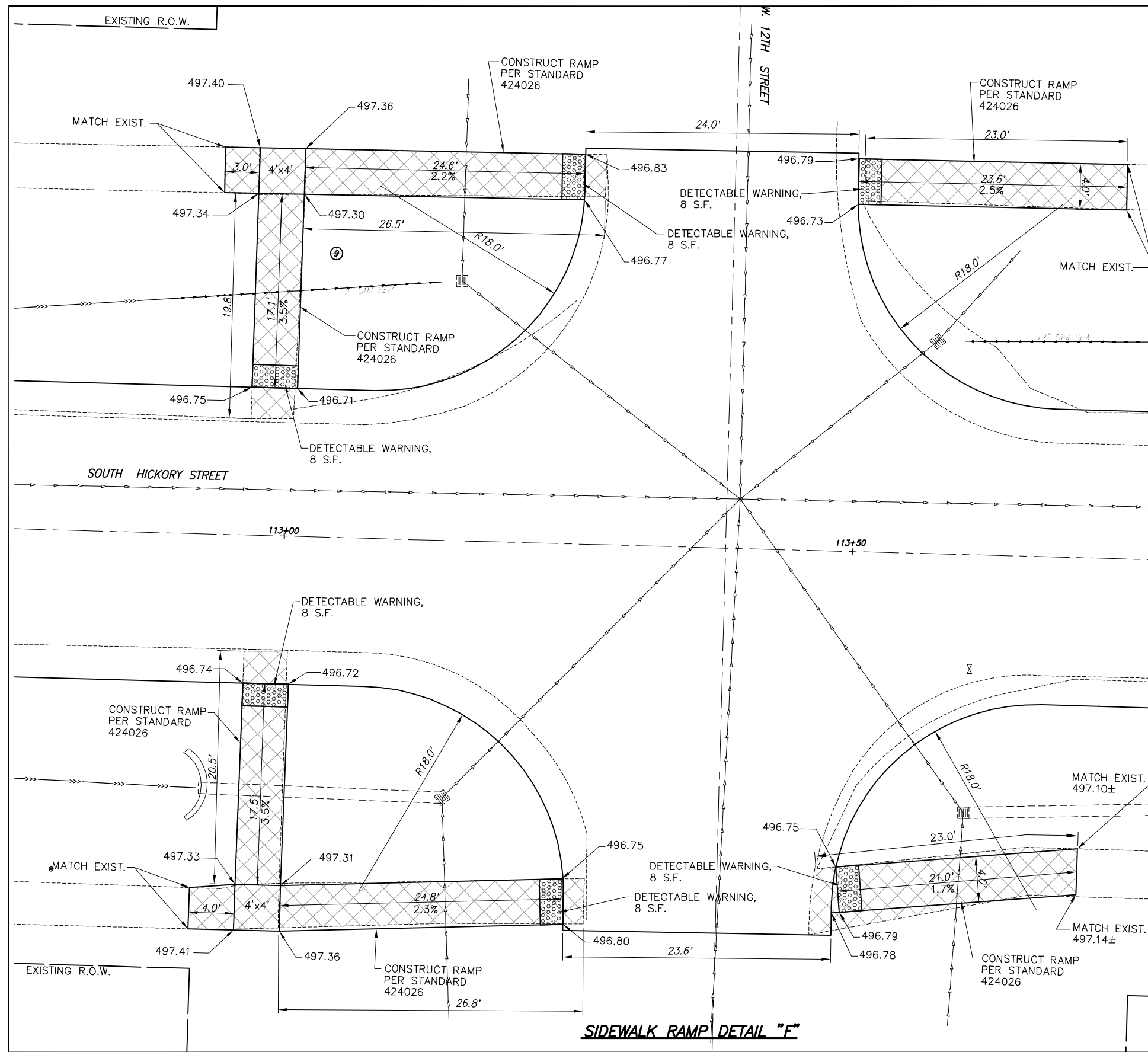
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	29
FEDERAL AID PROJECT			CONTRACT 97707	



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	30
FEDERAL AID PROJECT		CONTRACT 97707		

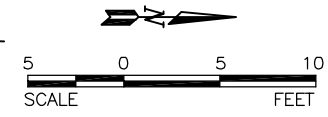
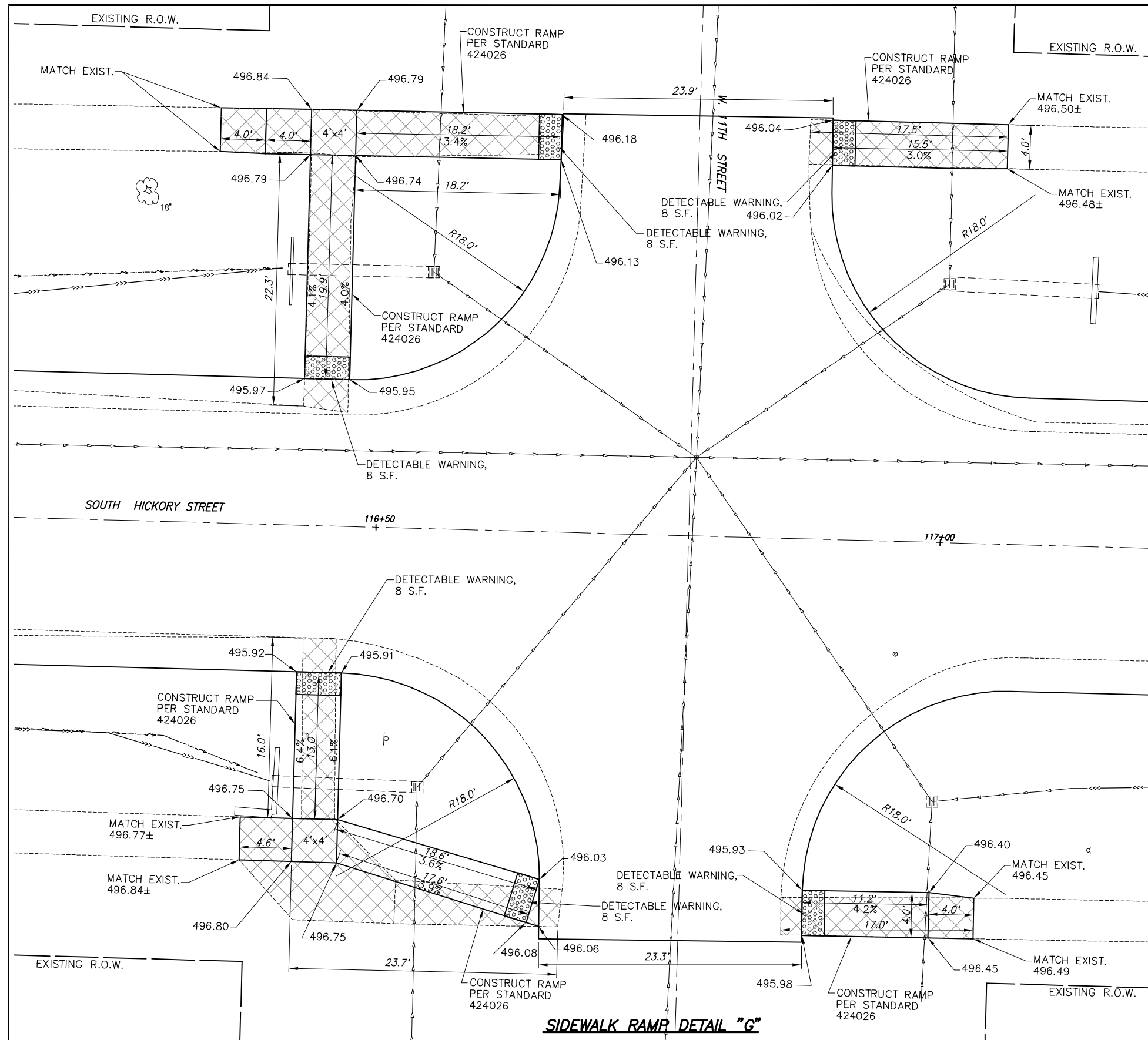


SIDEWALK RAMP DETAIL "E"



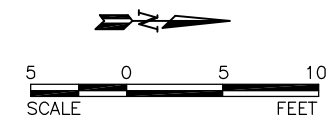
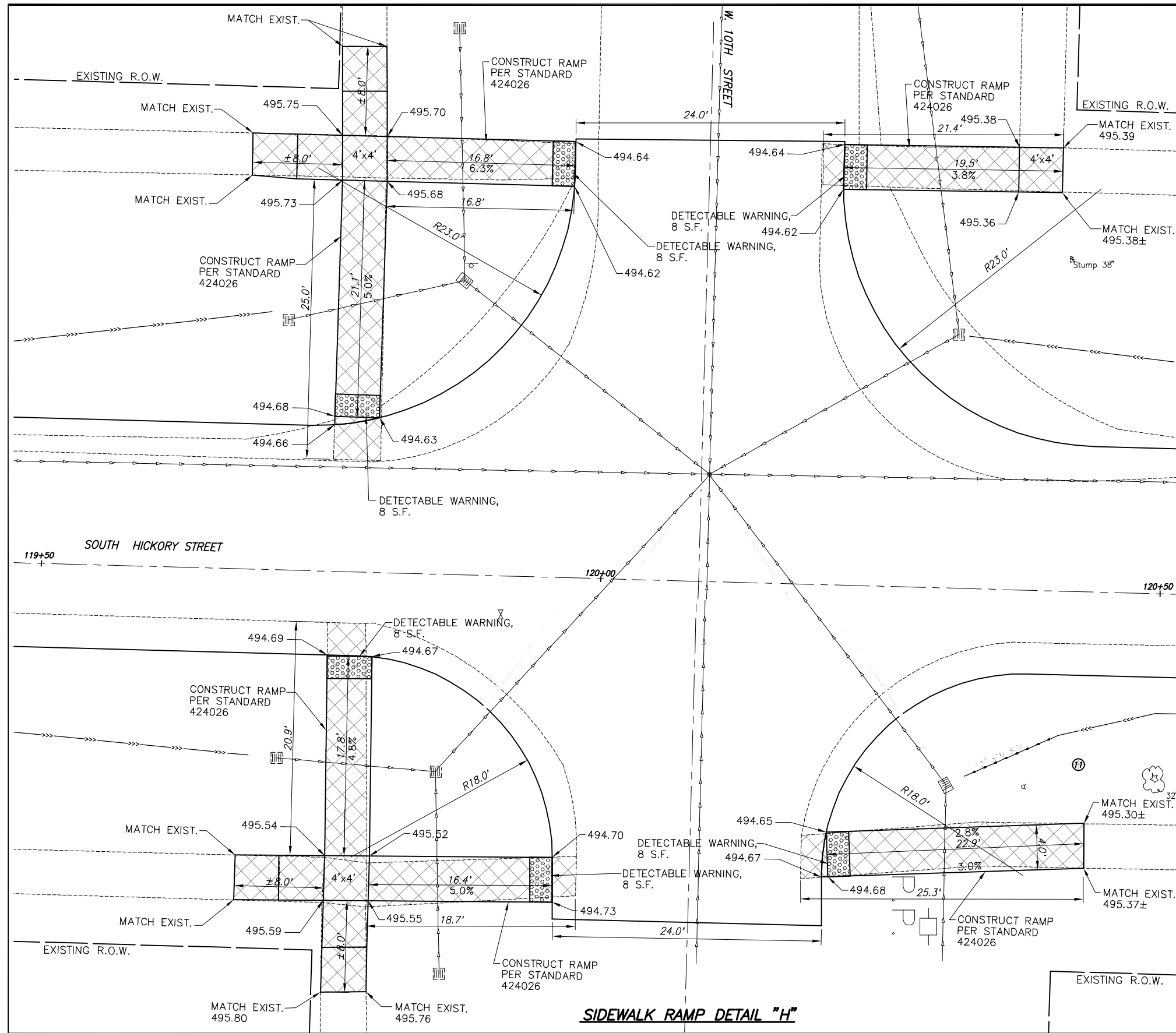
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	31
FEDERAL AID PROJECT		CONTRACT 97707		

SIDEWALK RAMP DETAIL "F"



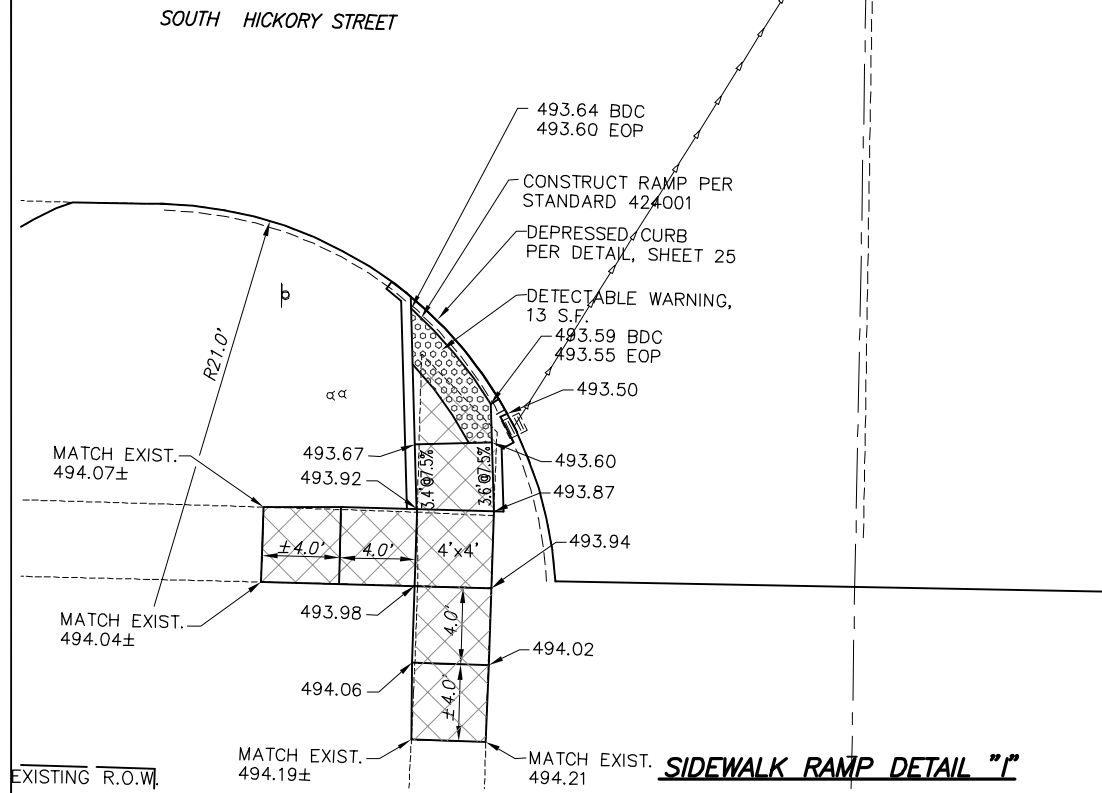
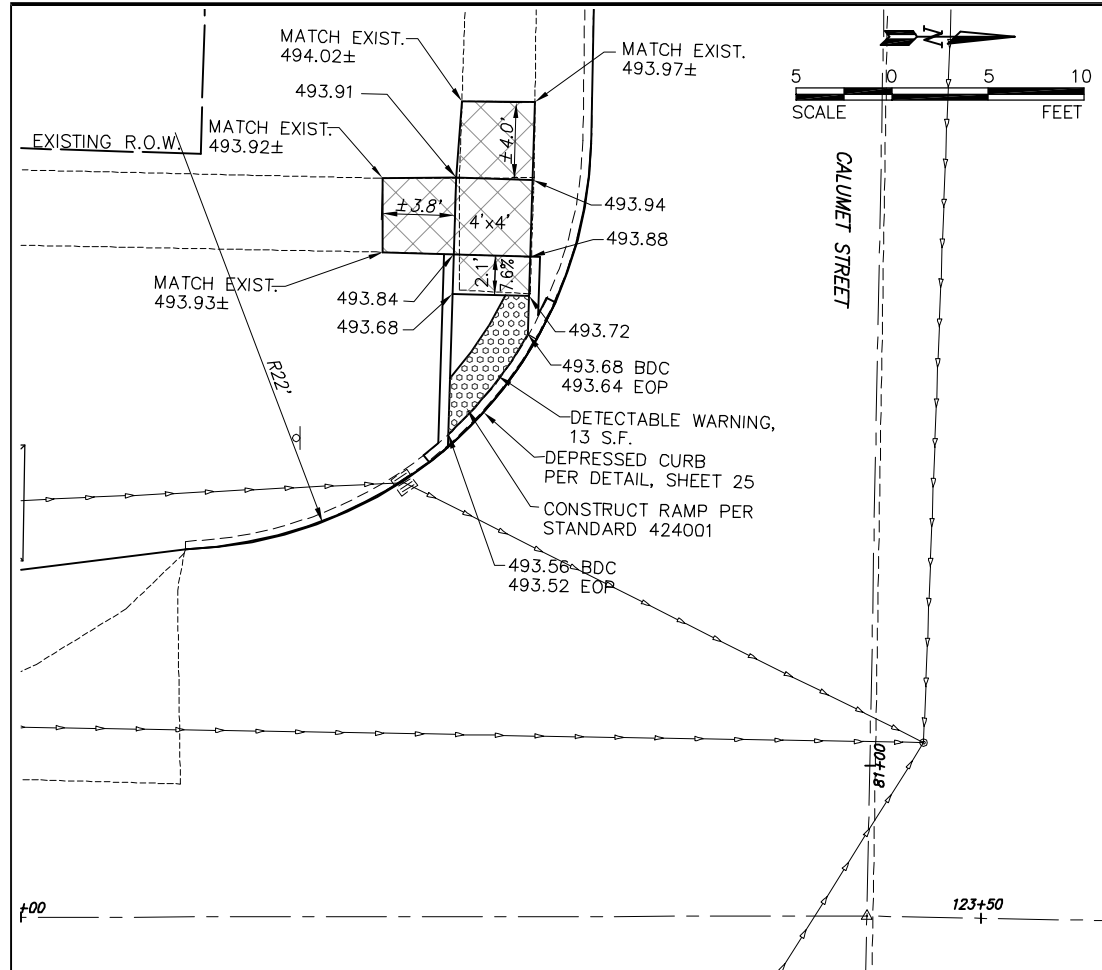
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	32
FEDERAL AID PROJECT		CONTRACT 97707		

SIDEWALK RAMP DETAIL "G"

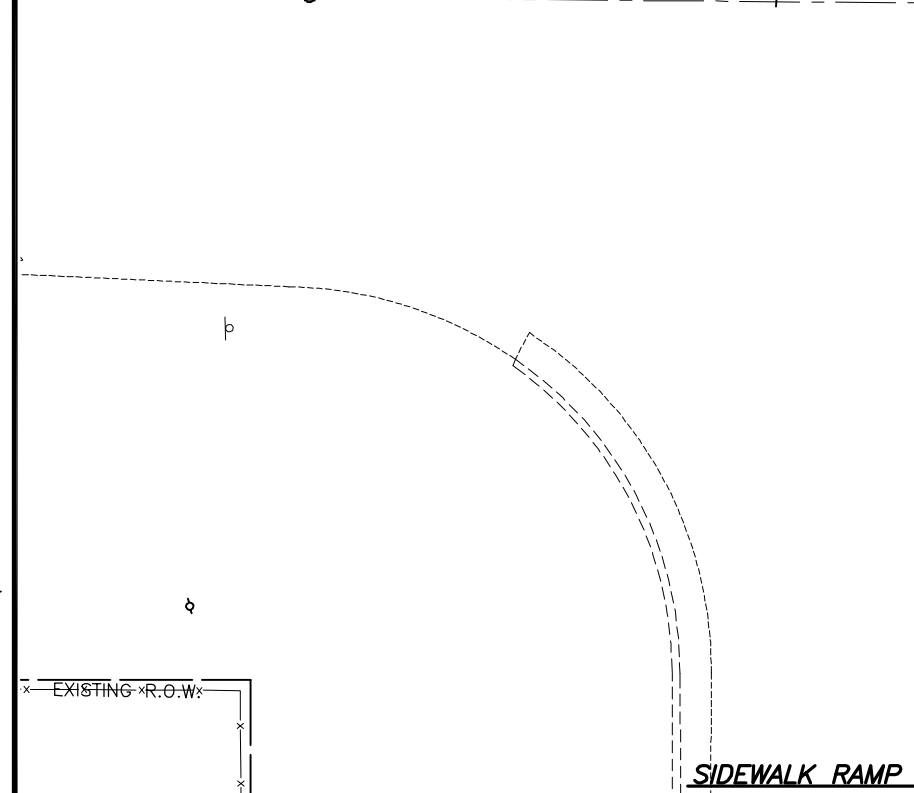
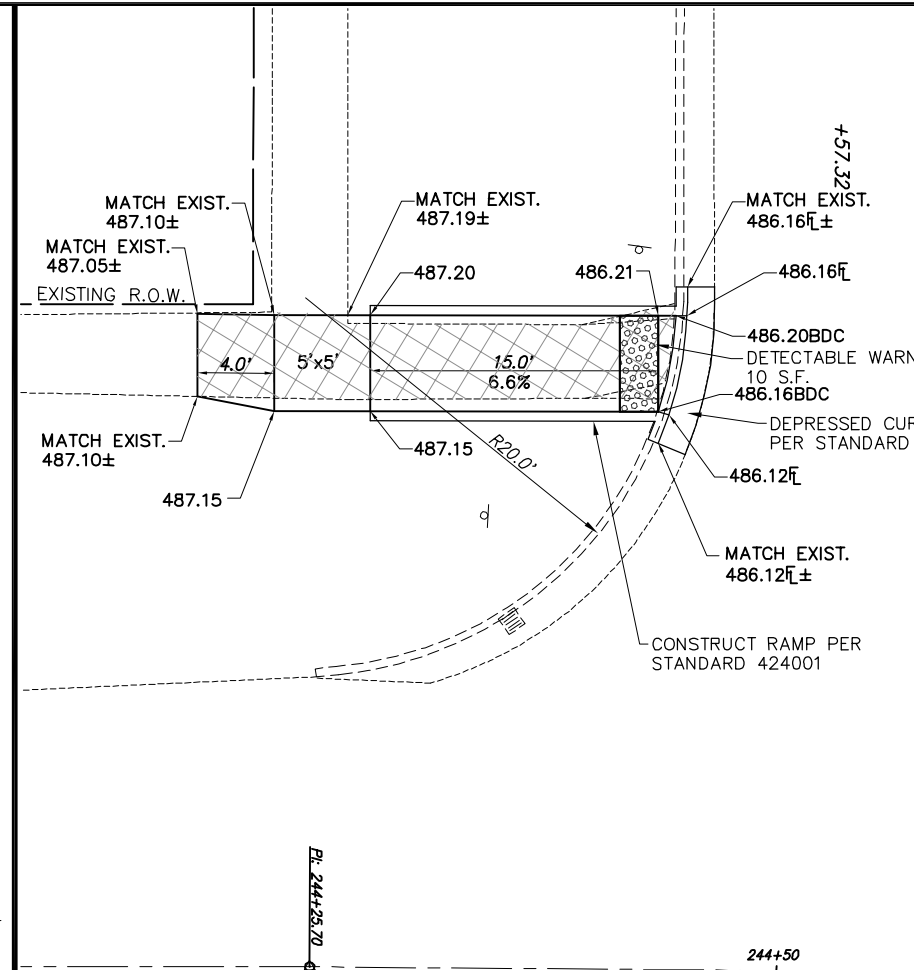


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	33
FEDERAL AID PROJECT		CONTRACT 97707		

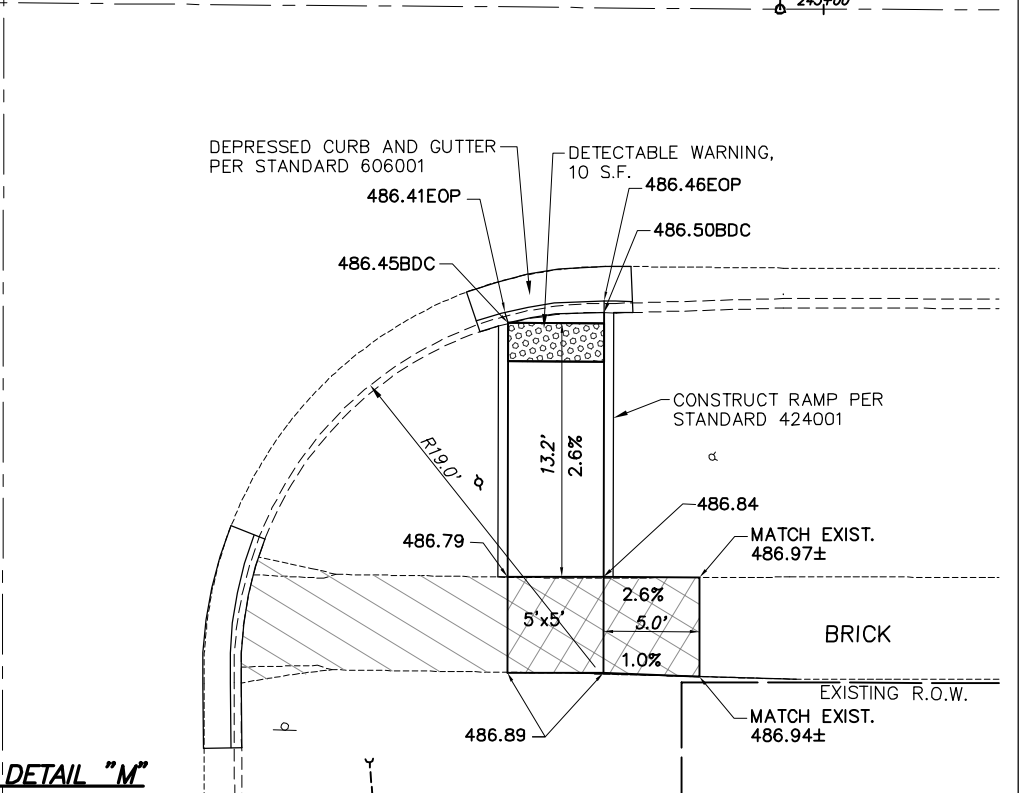
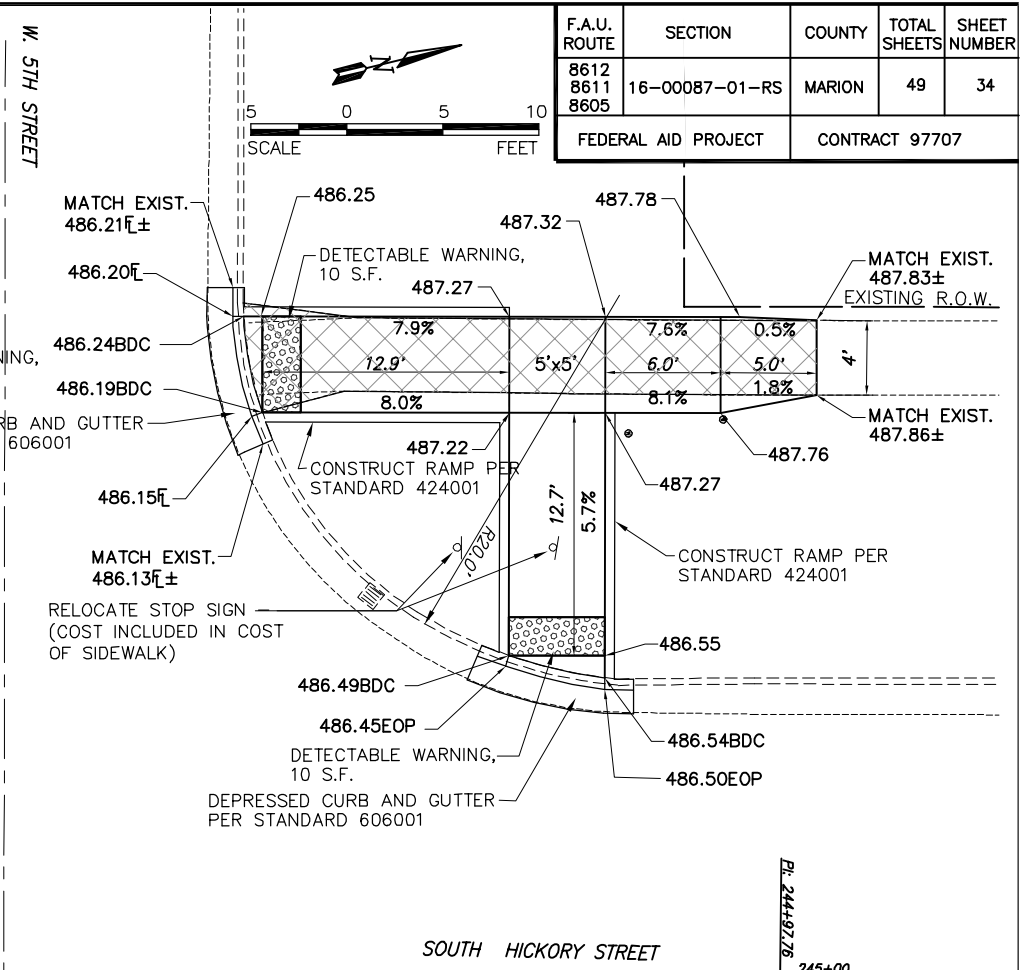
SIDEWALK RAMP DETAIL "H"



SIDEWALK RAMP DETAIL "I"



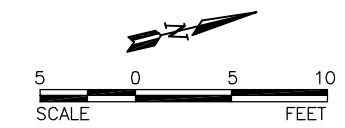
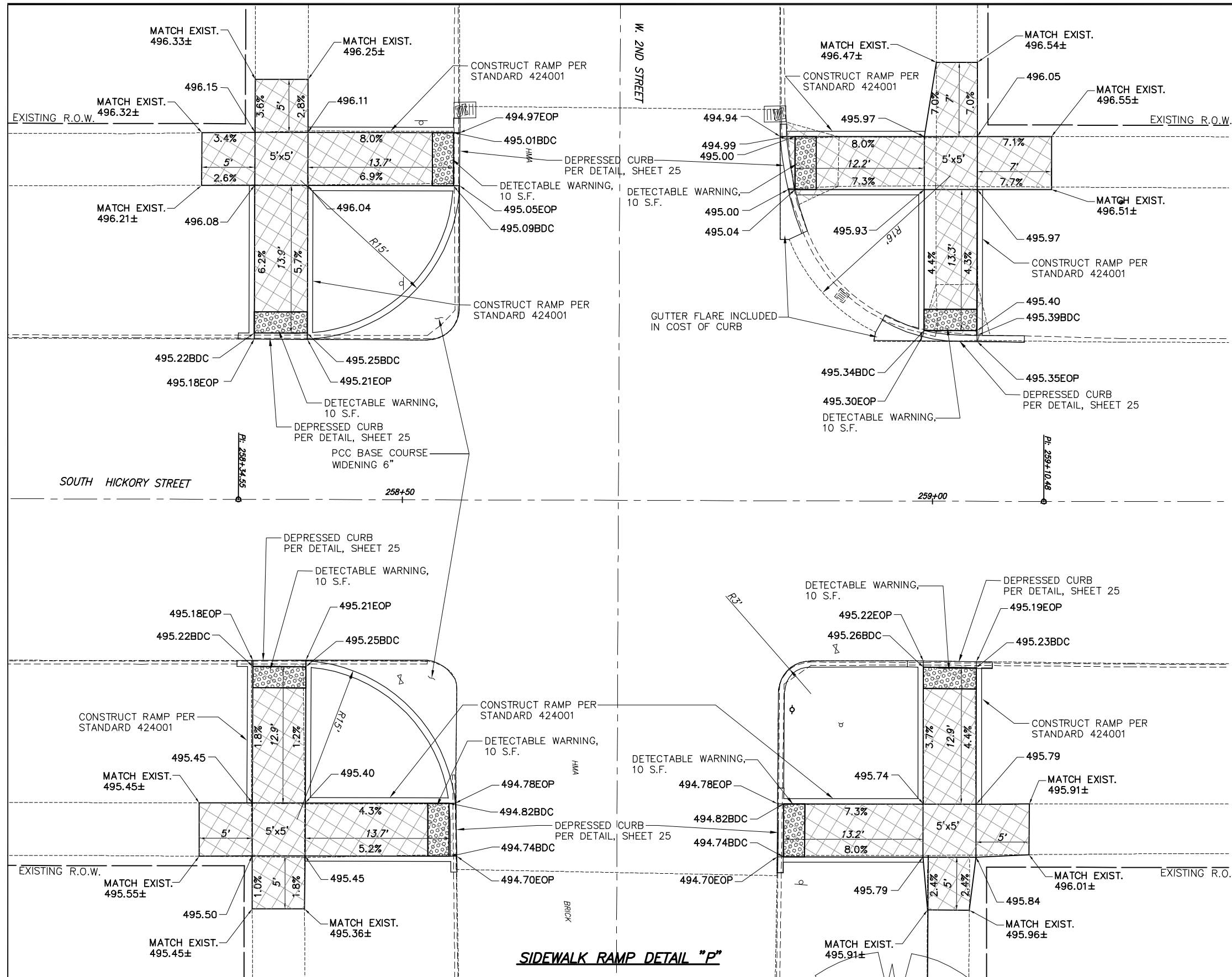
SIDEWALK RAMP DETAIL "M"



SIDEWALK RAMP DETAIL "M"

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	34
FEDERAL AID PROJECT			CONTRACT 97707	

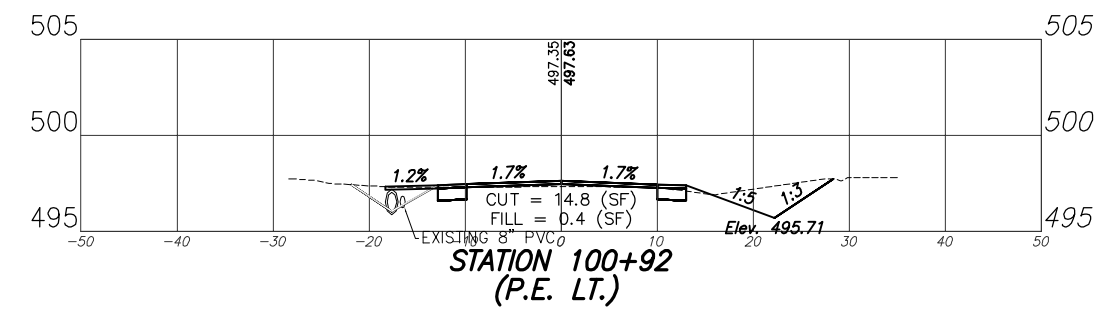
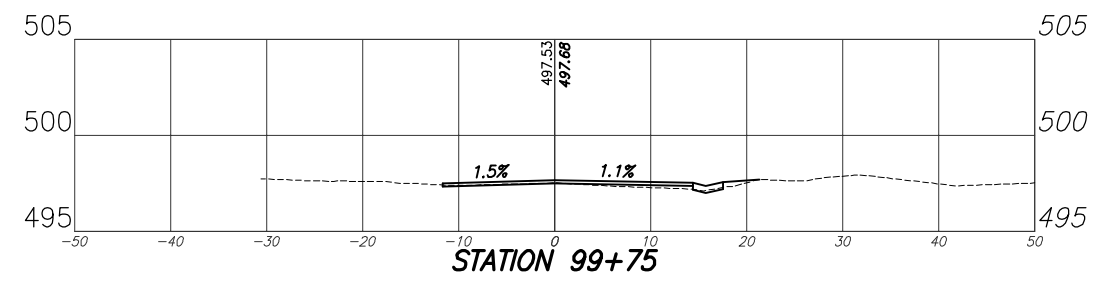
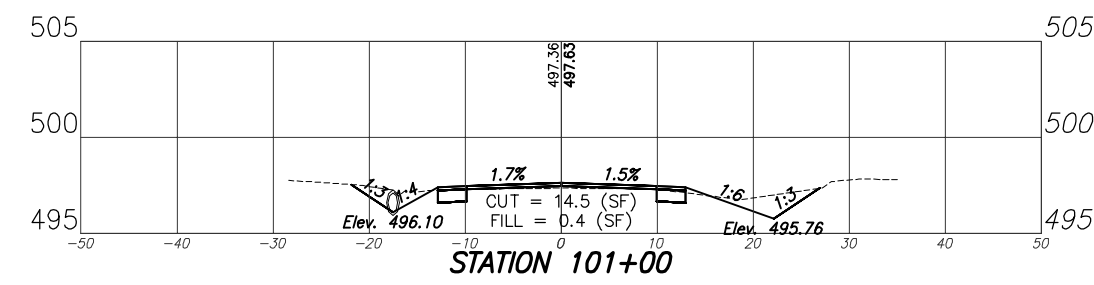
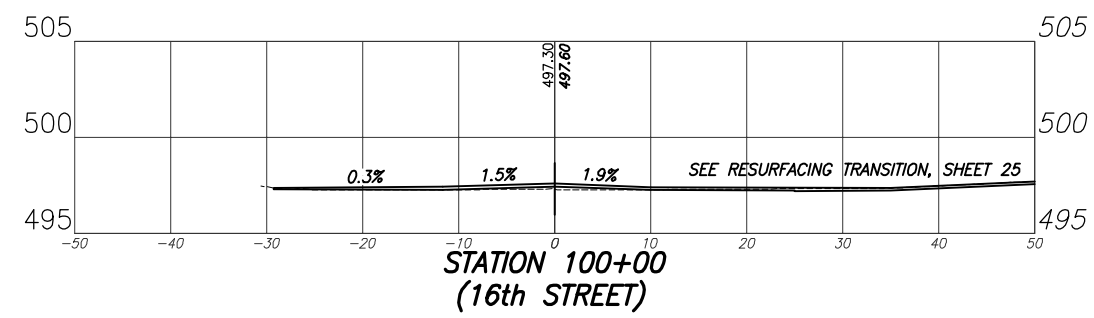
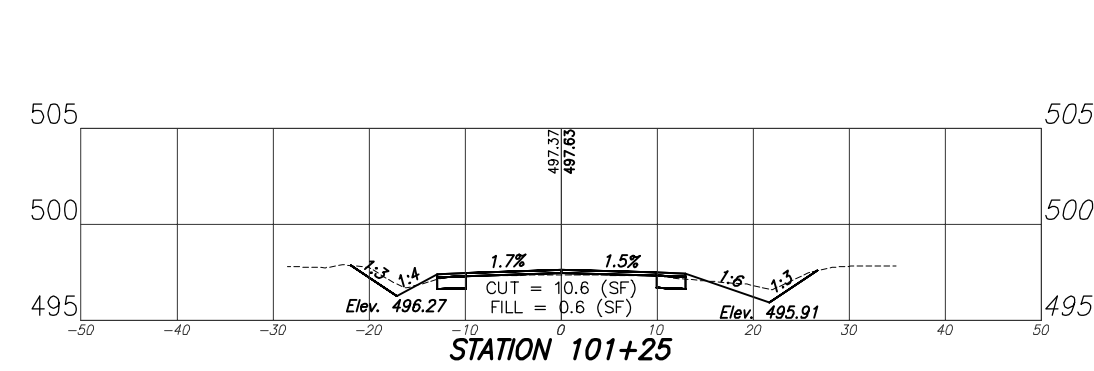
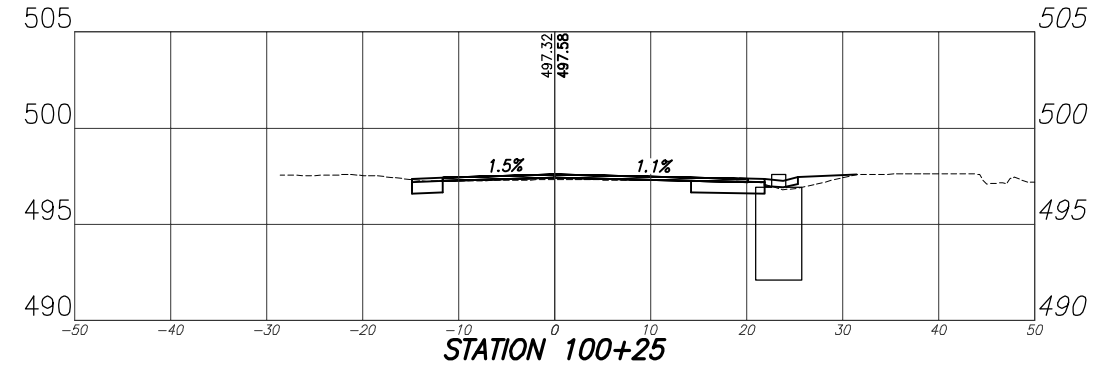
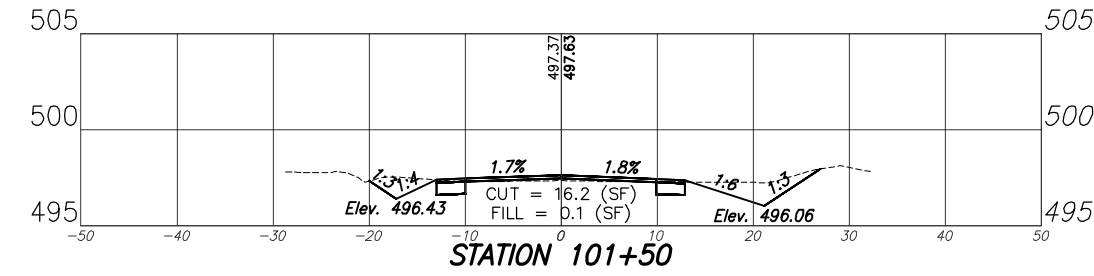
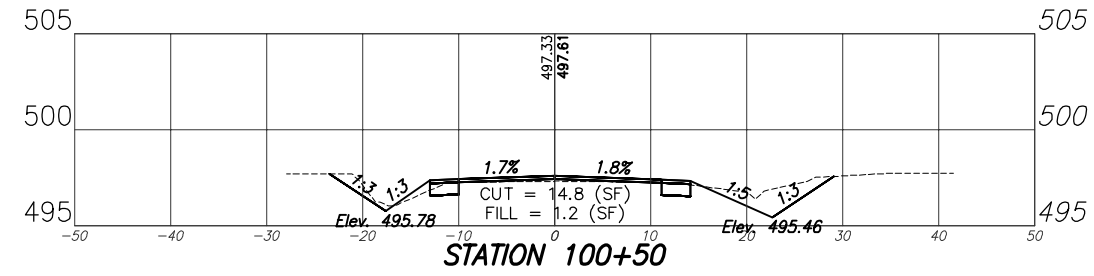
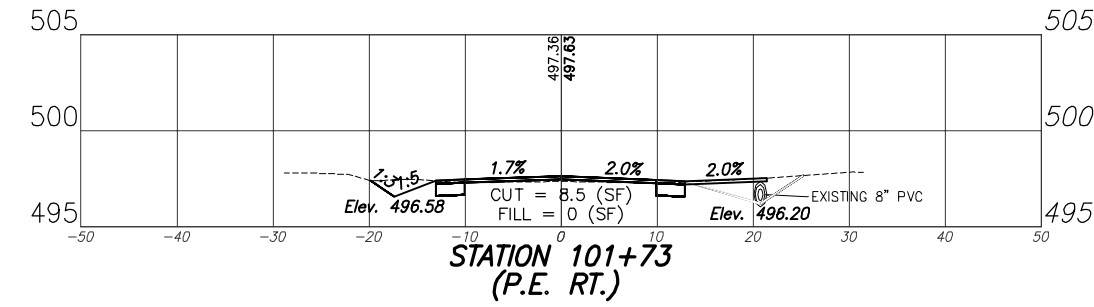
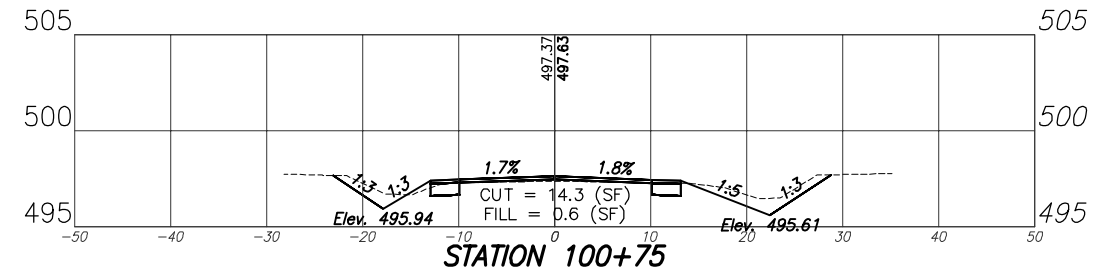
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	37
FEDERAL AID PROJECT			CONTRACT 97707	



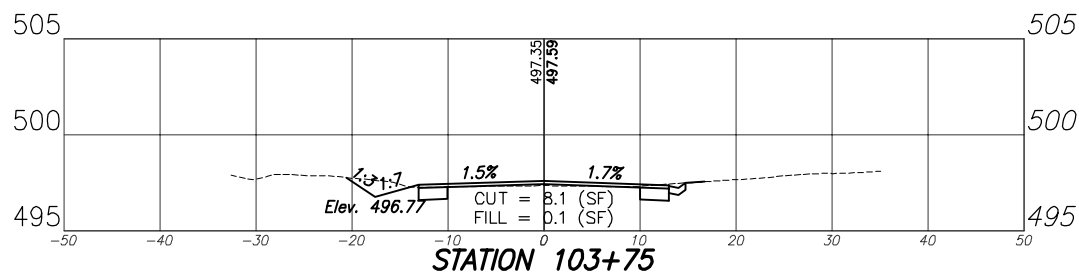
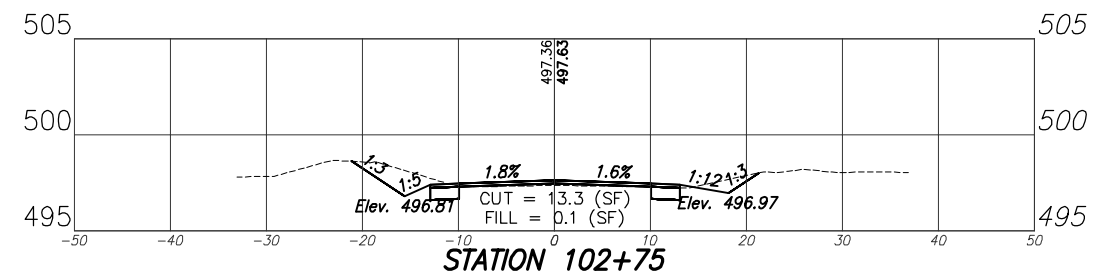
SIDEWALK RAMP DETAIL "P"

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	38
FEDERAL AID PROJECT		CONTRACT 97707		

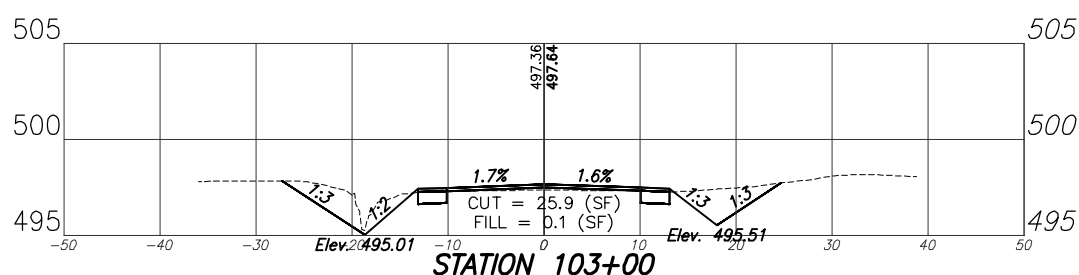
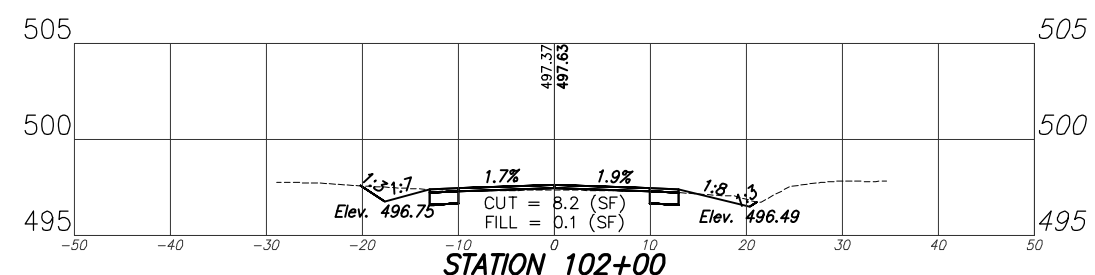
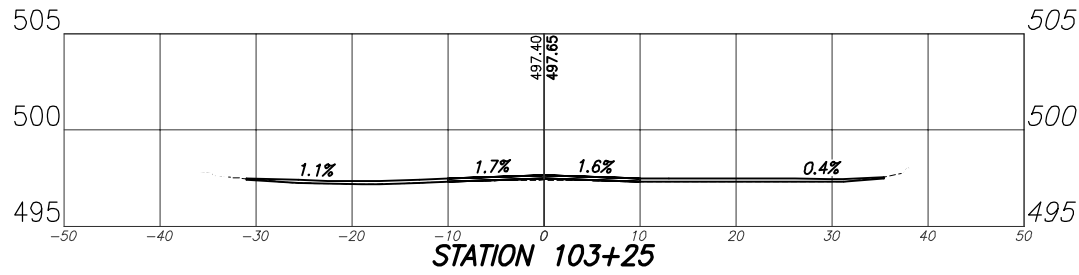
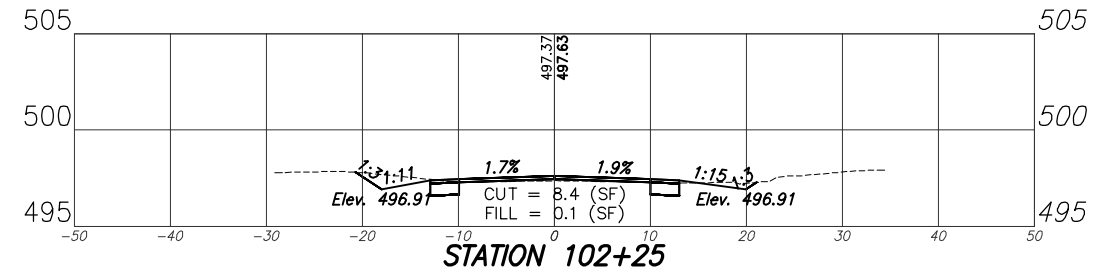
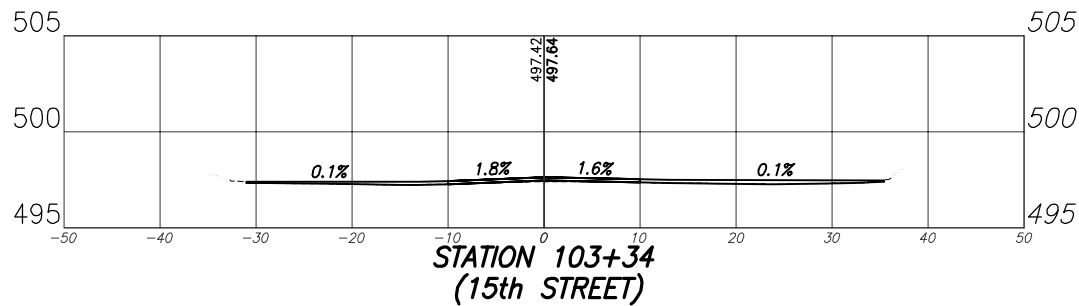
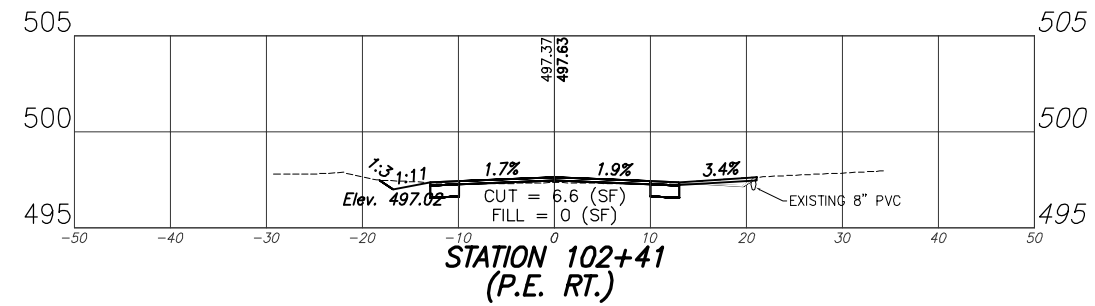
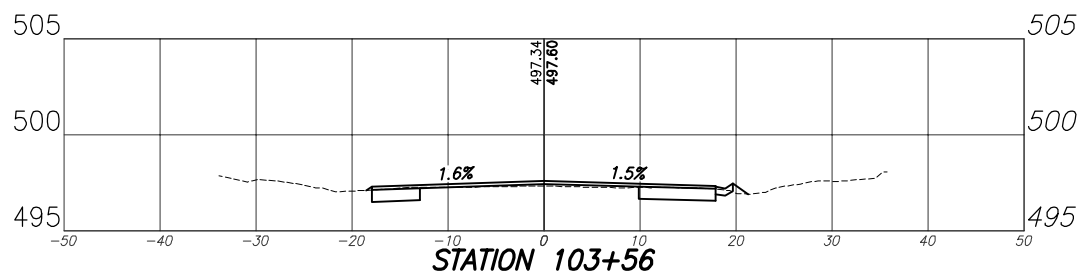
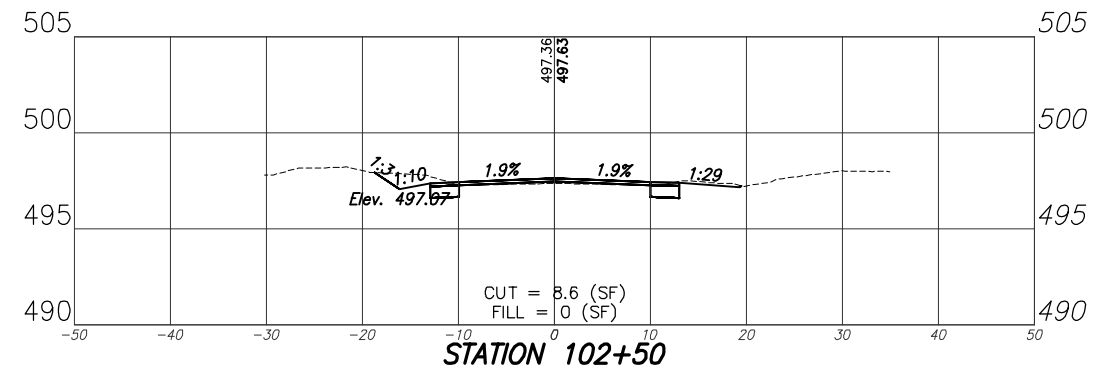
NOTE:
SHOULDER TO MATCH MAINLINE
CROSS SLOPE.



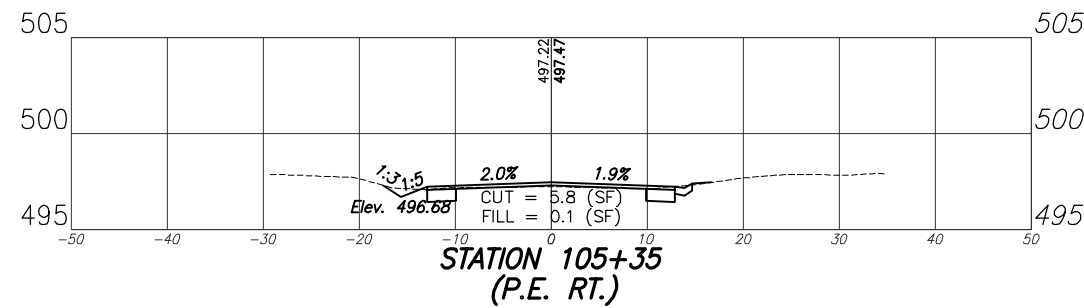
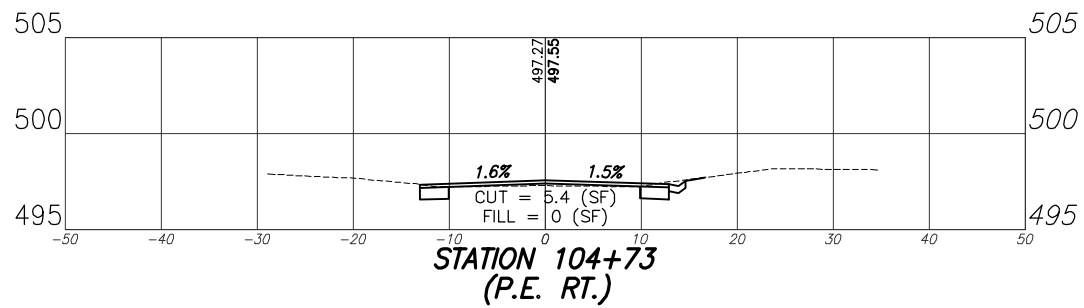
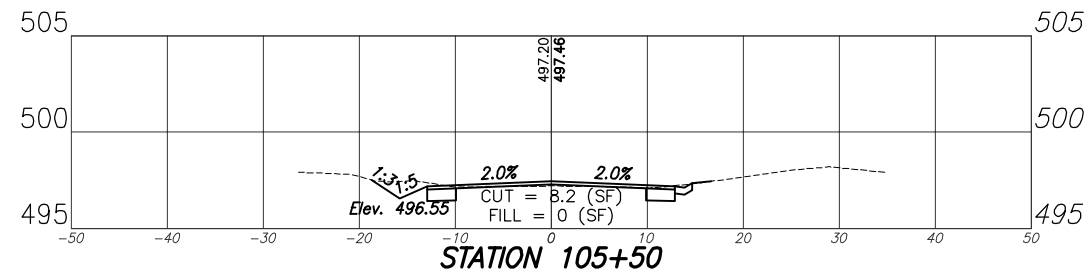
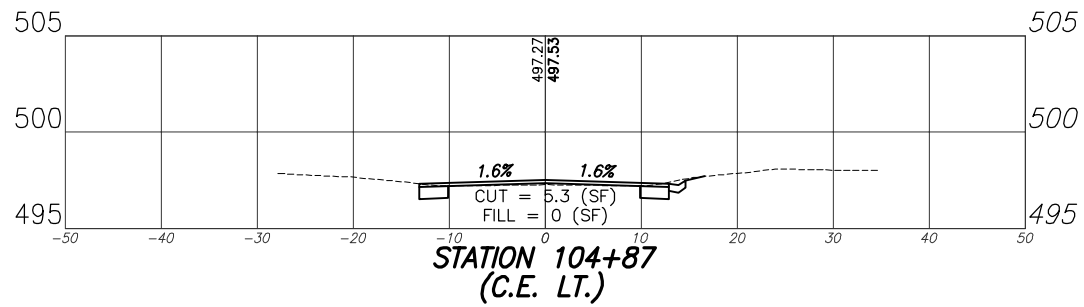
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	39
FEDERAL AID PROJECT		CONTRACT 97707		



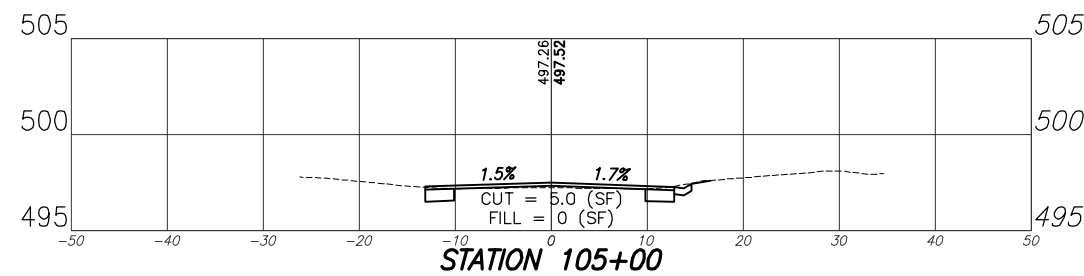
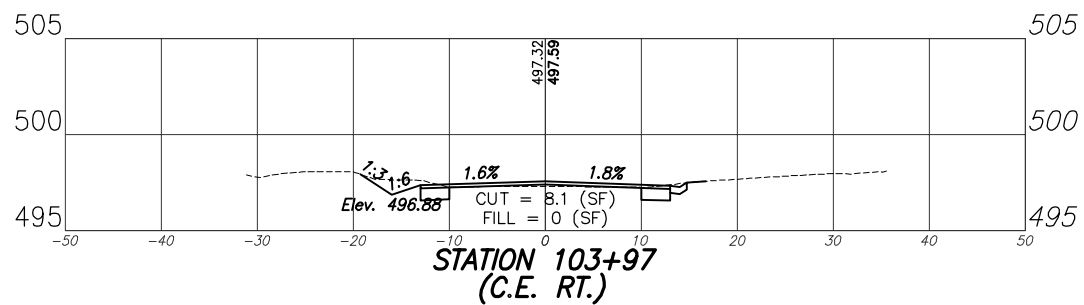
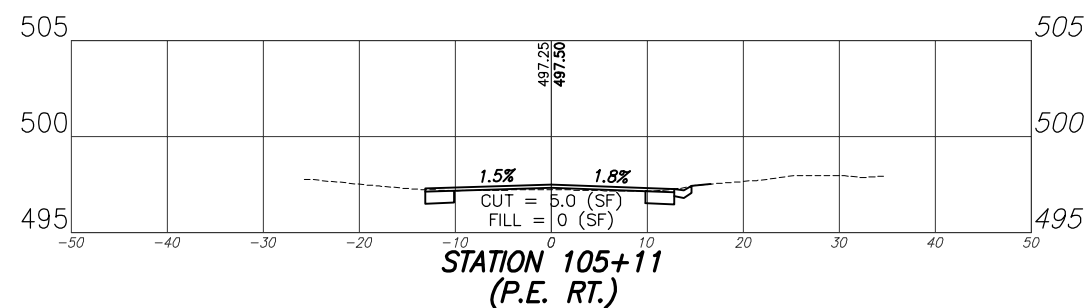
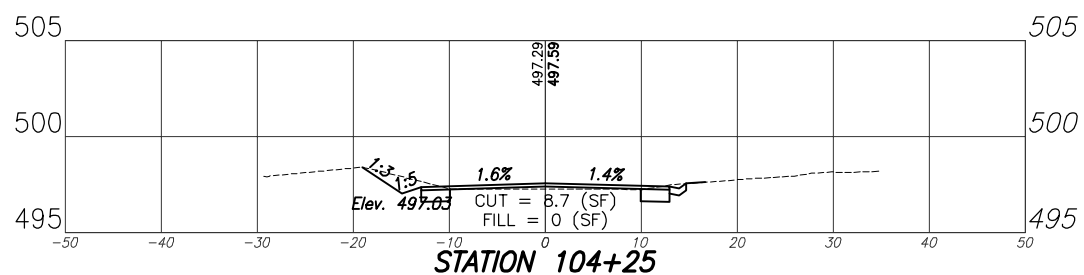
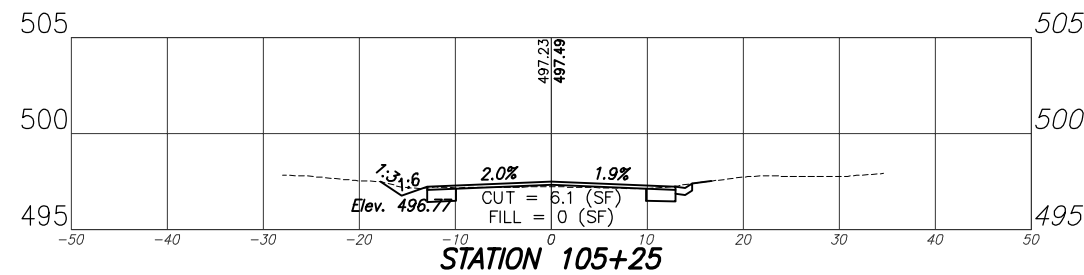
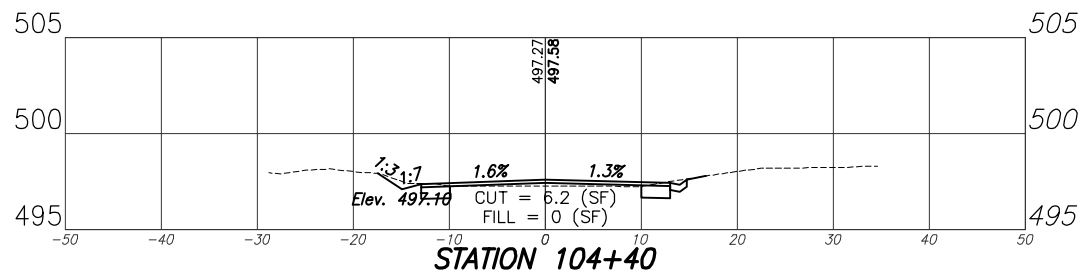
NOTE:
SHOULDER TO MATCH MAINLINE
CROSS SLOPE.



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	40
FEDERAL AID PROJECT		CONTRACT 97707		

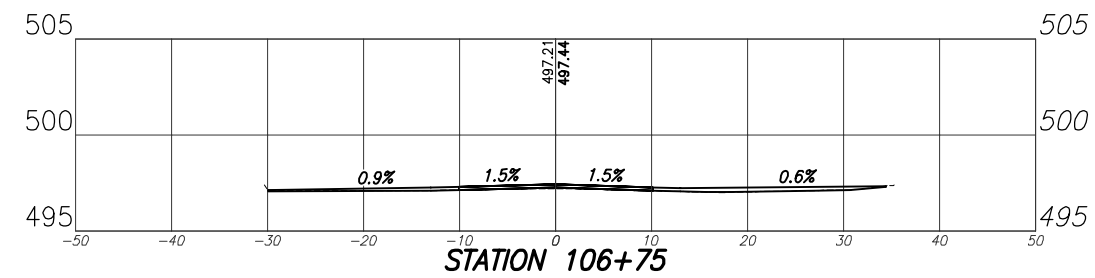
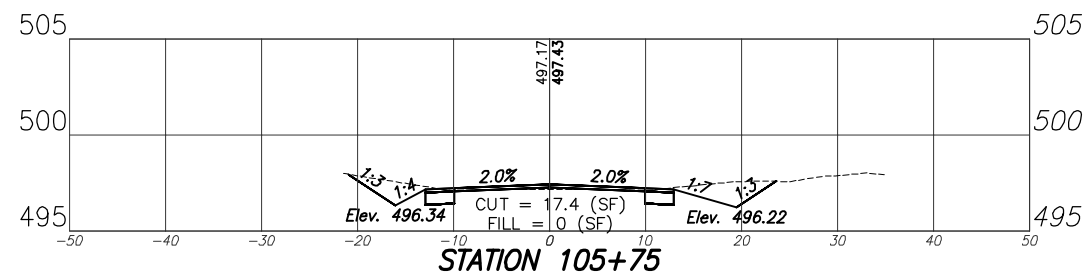
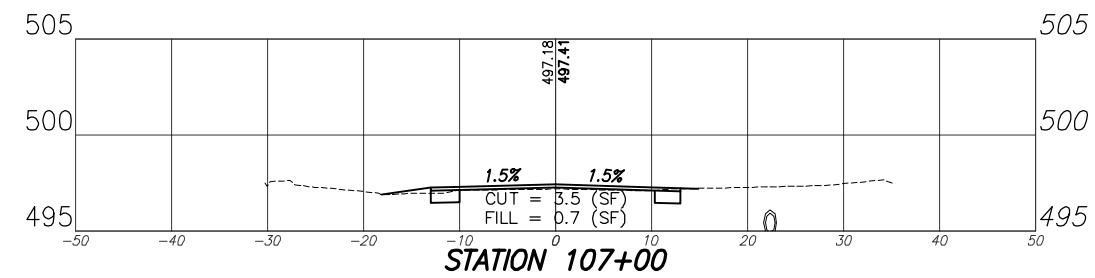
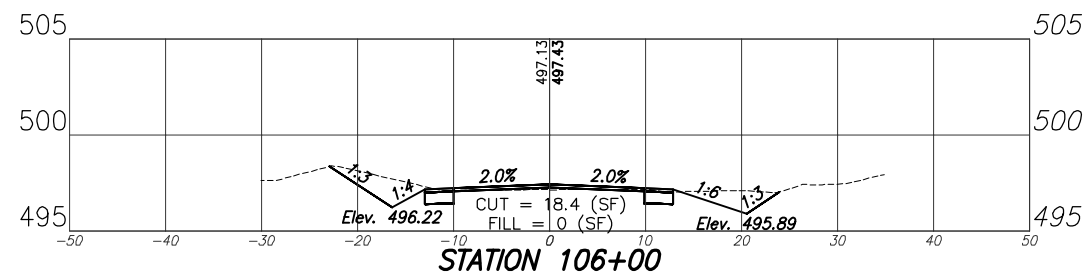
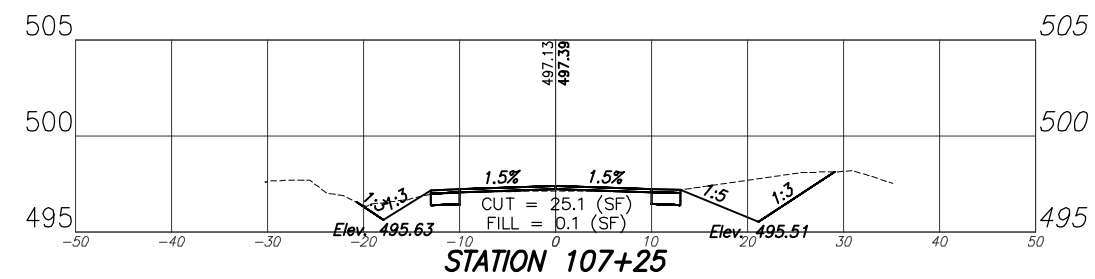
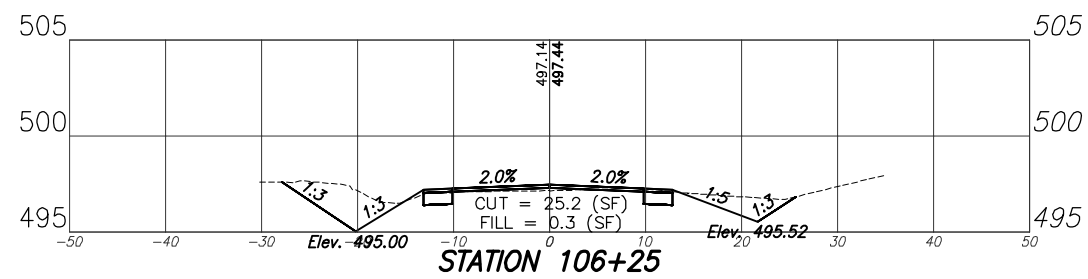
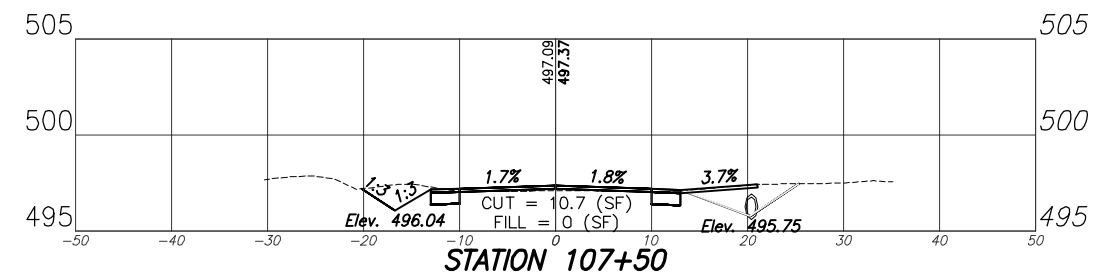
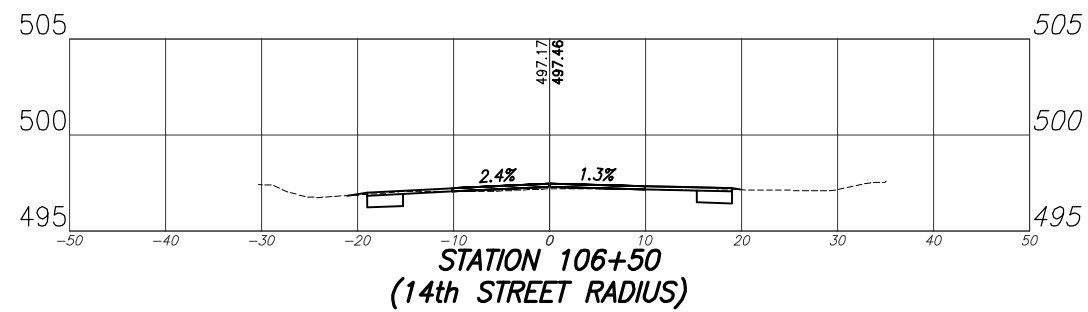
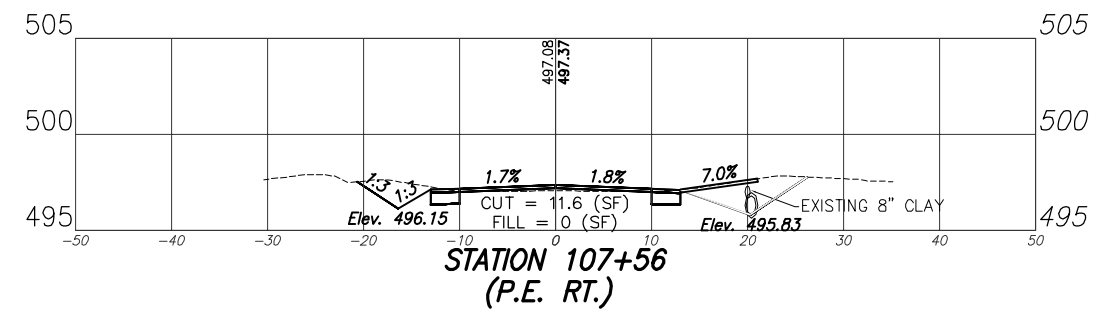
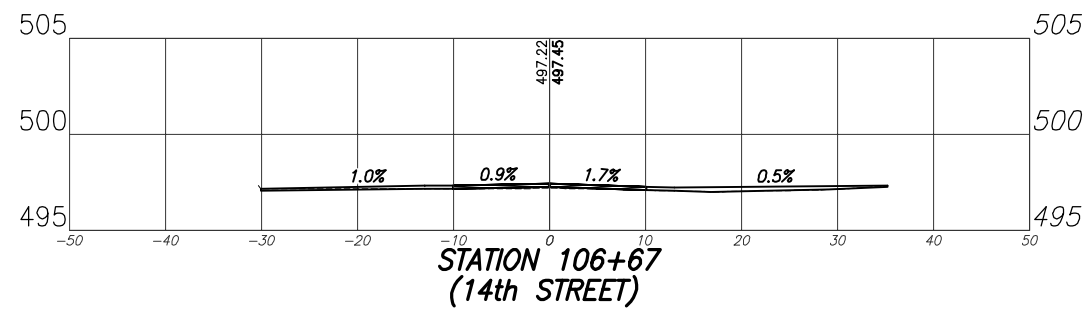


NOTE:
SHOULDER TO MATCH MAINLINE
CROSS SLOPE.

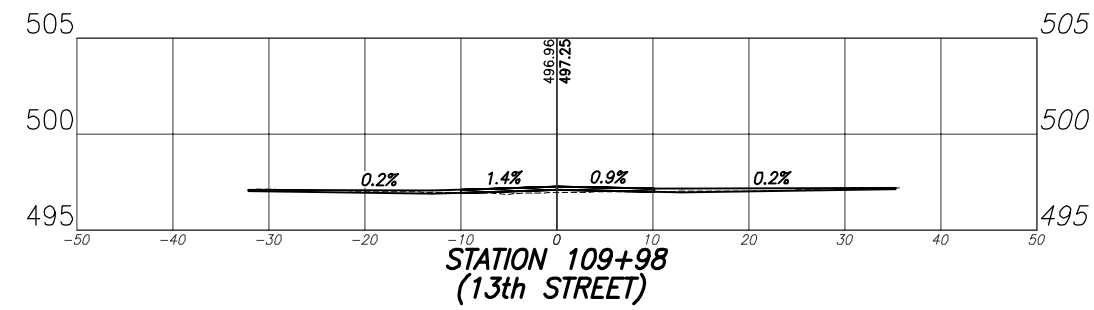
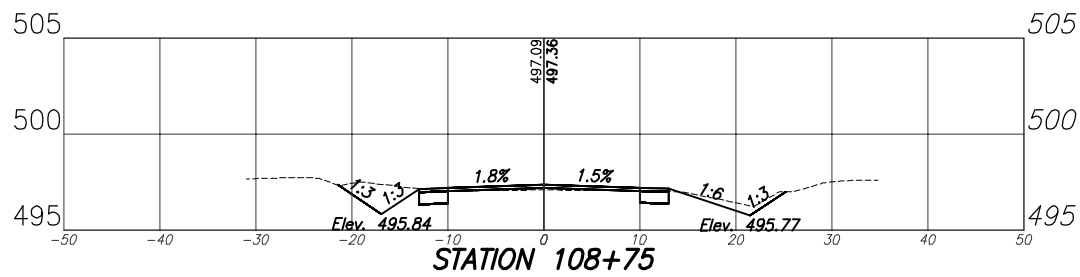


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	41
FEDERAL AID PROJECT		CONTRACT 97707		

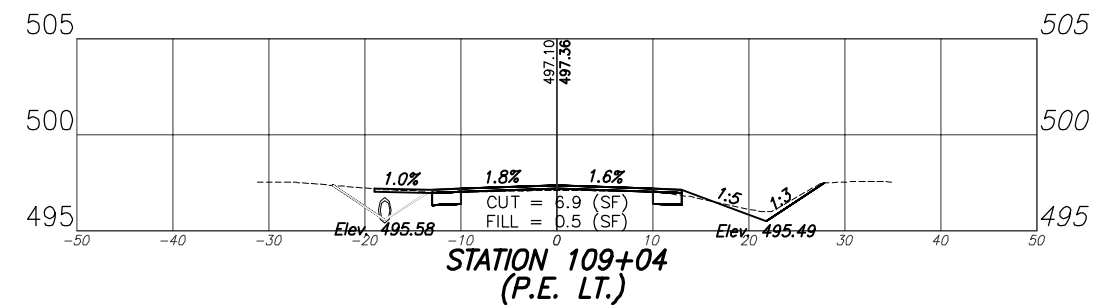
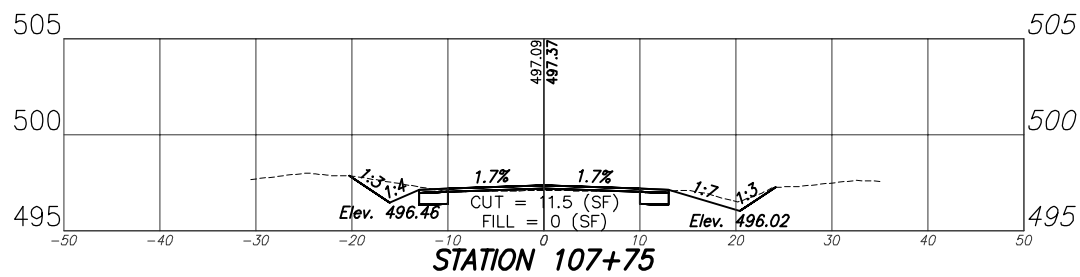
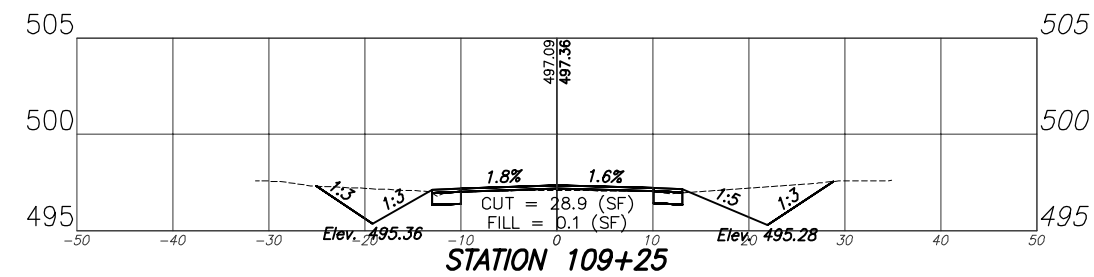
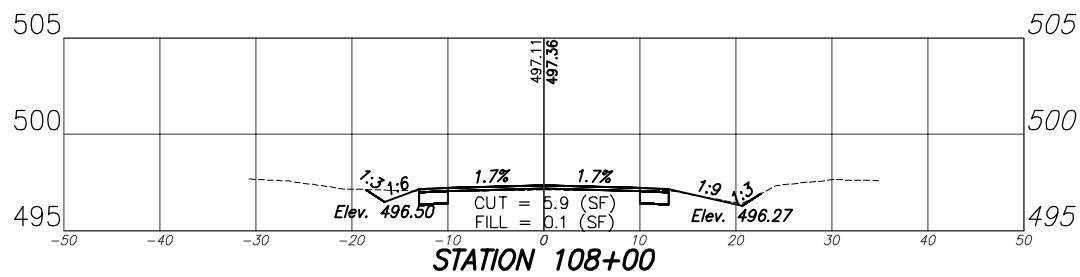
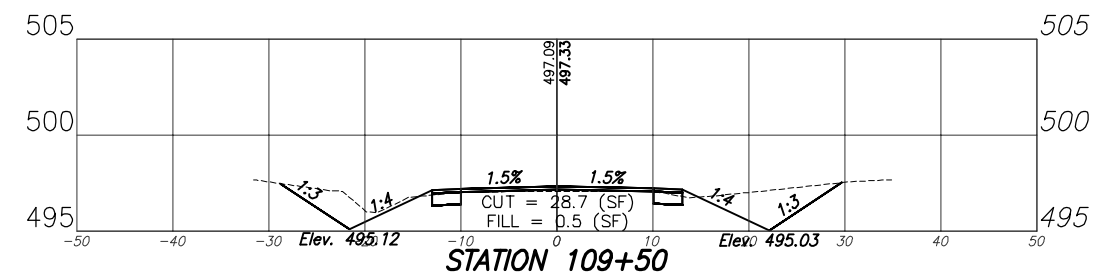
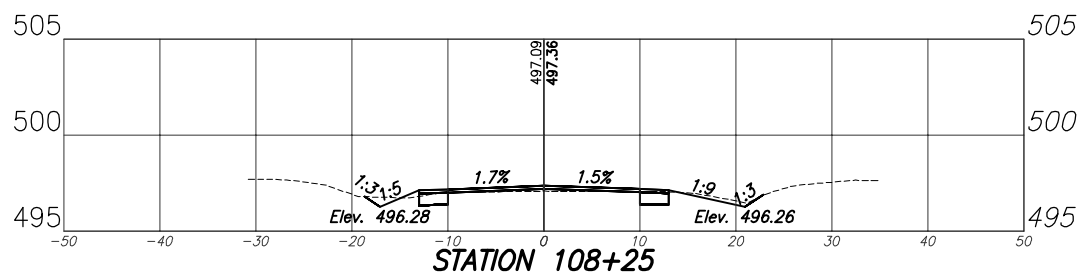
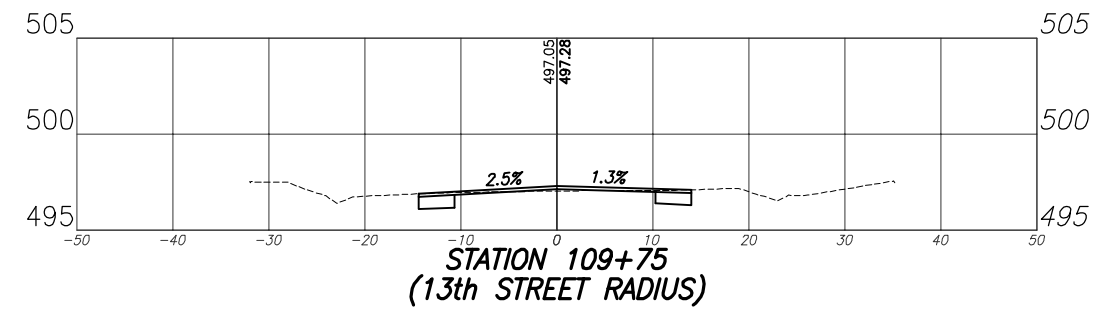
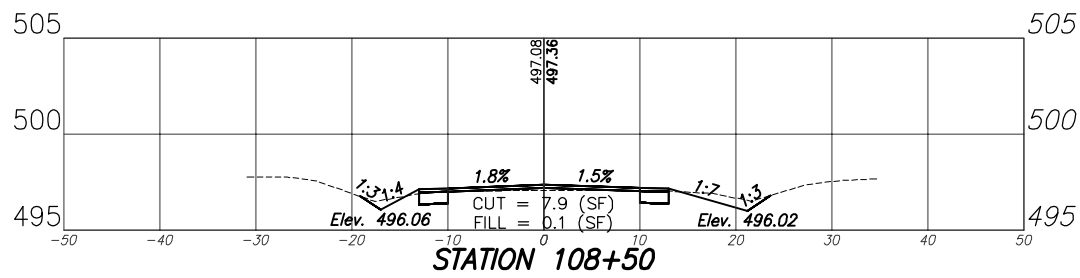
NOTE:
SHOULDER TO MATCH MAINLINE
CROSS SLOPE.



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	42
FEDERAL AID PROJECT		CONTRACT 97707		

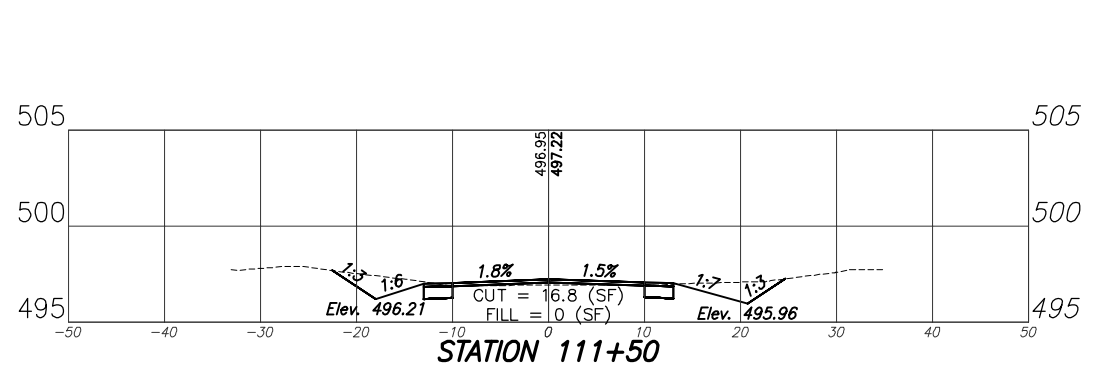
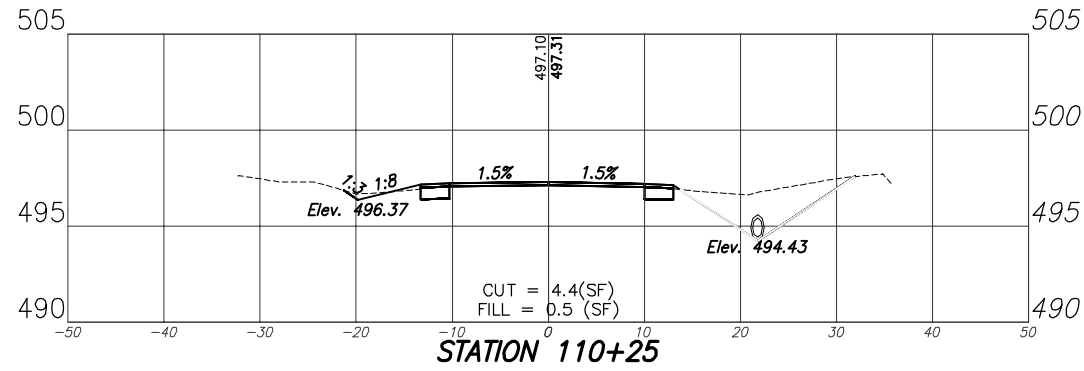
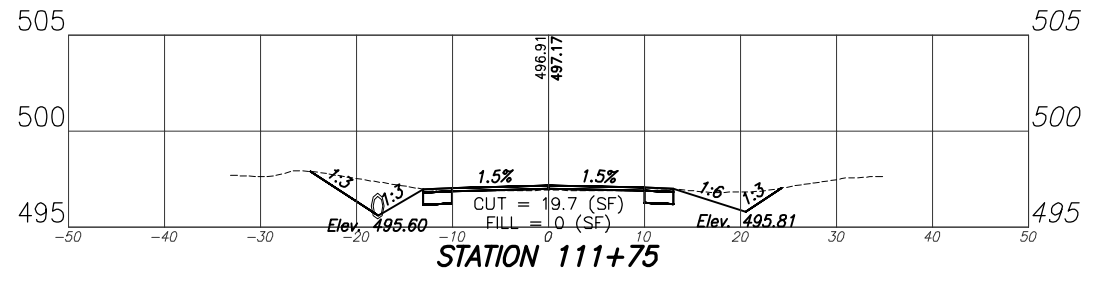
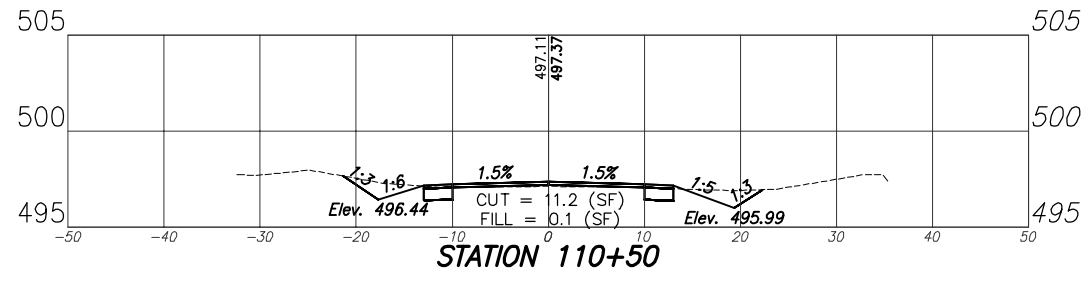
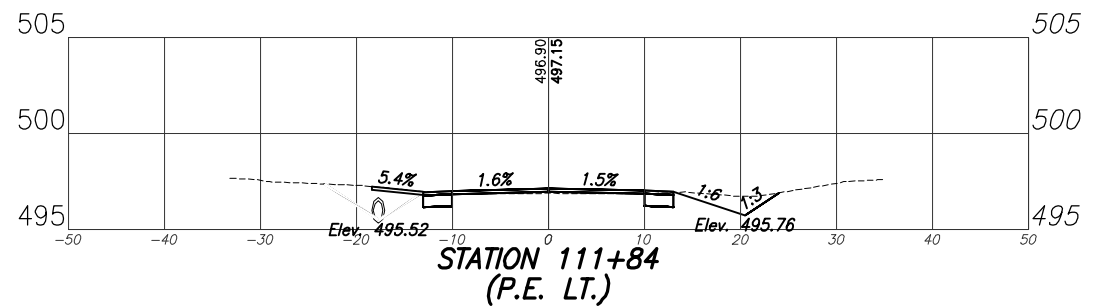
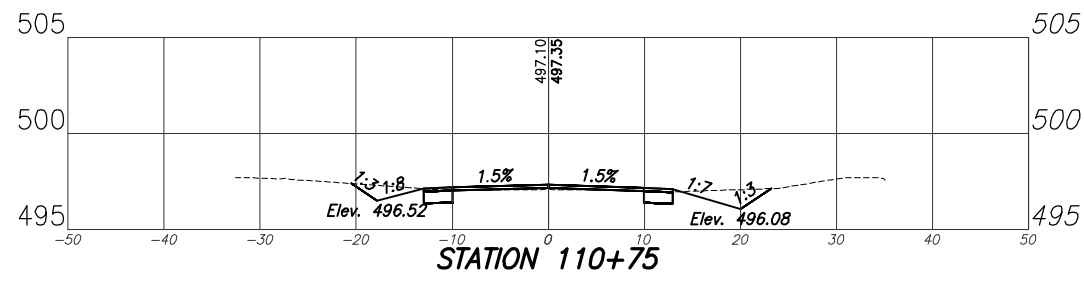
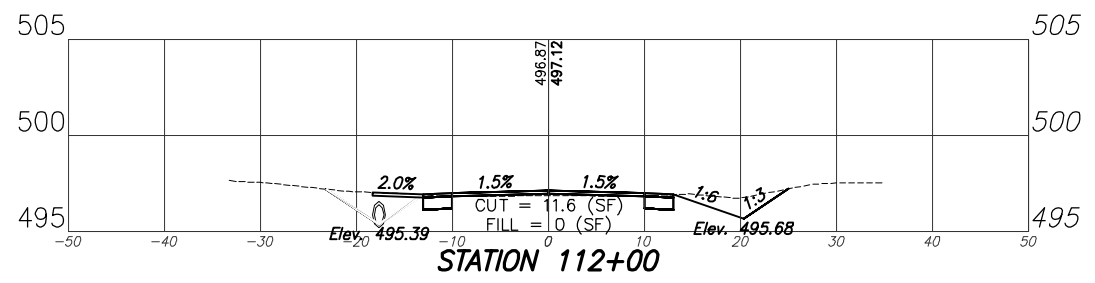
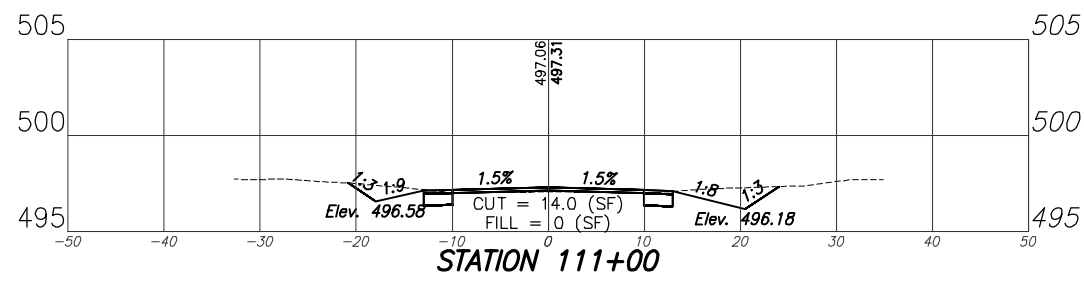
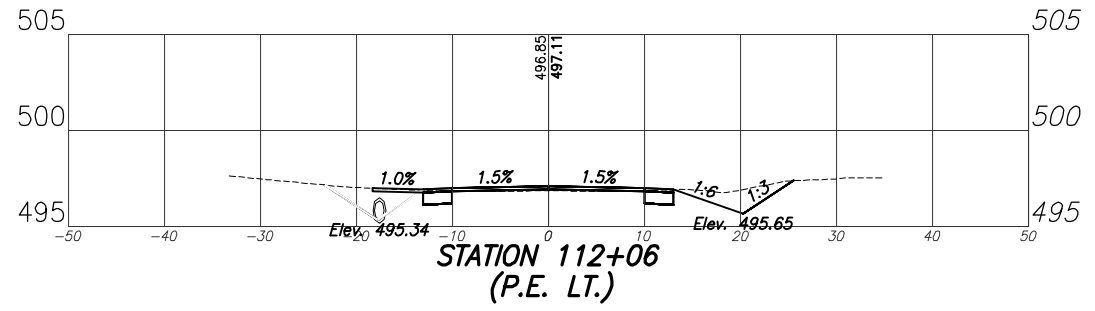
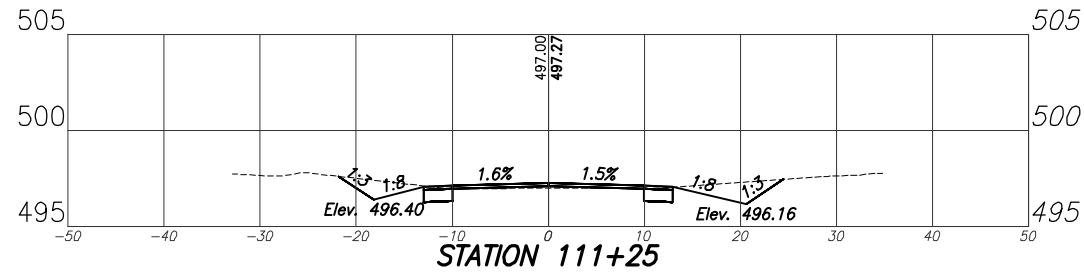


NOTE: SHOULDER TO MATCH MAINLINE CROSS SLOPE.

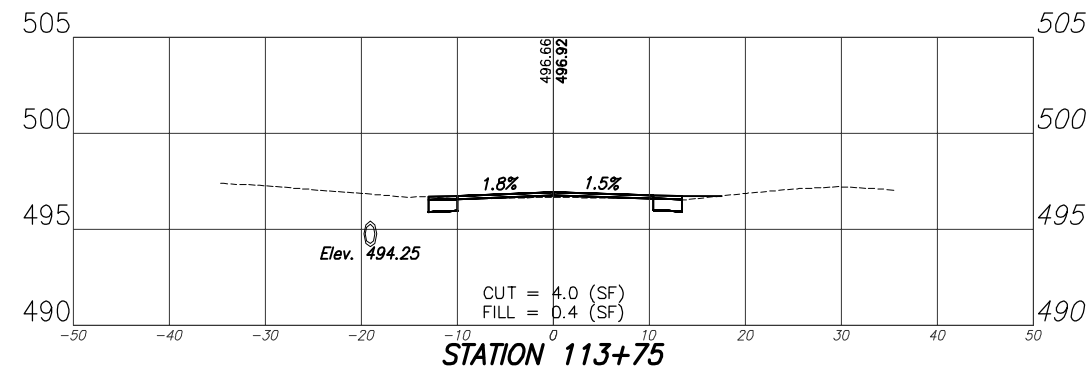
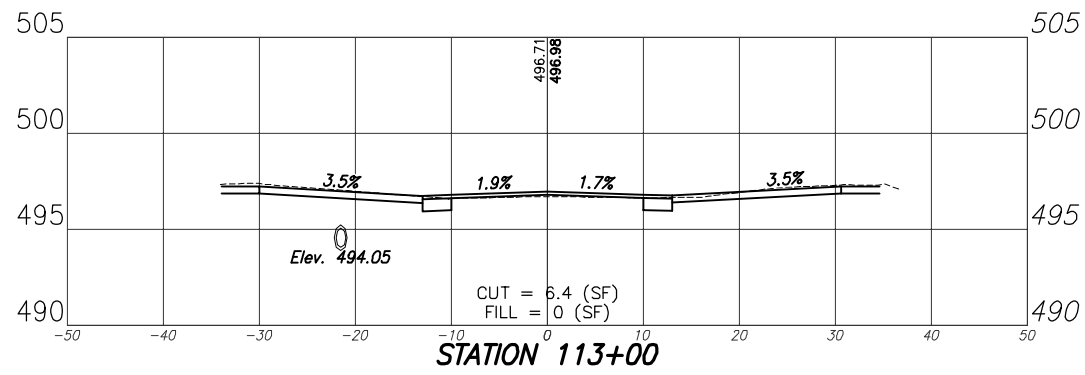


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	43
FEDERAL AID PROJECT		CONTRACT 97707		

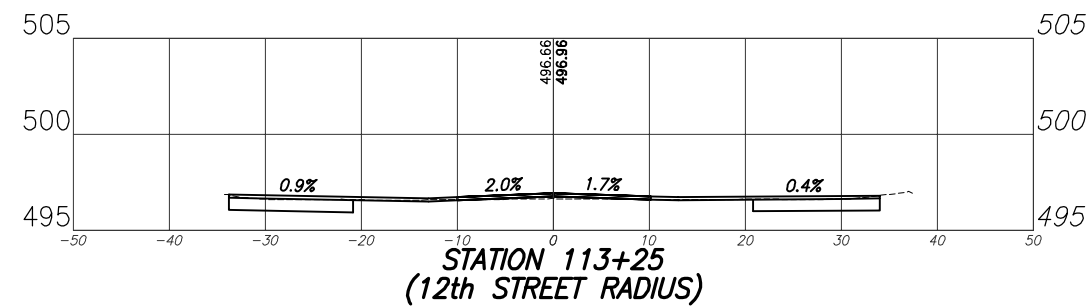
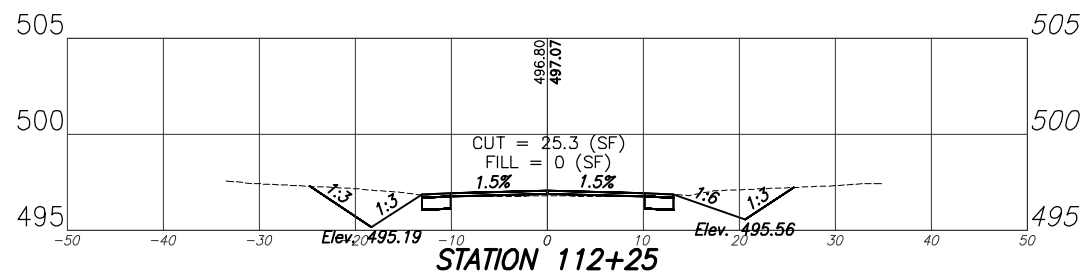
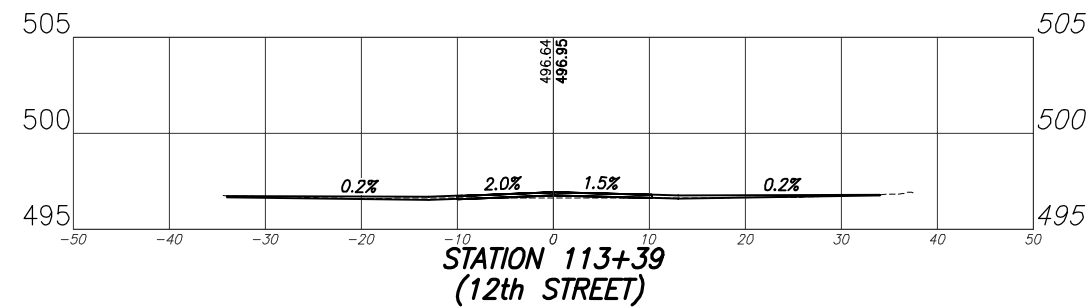
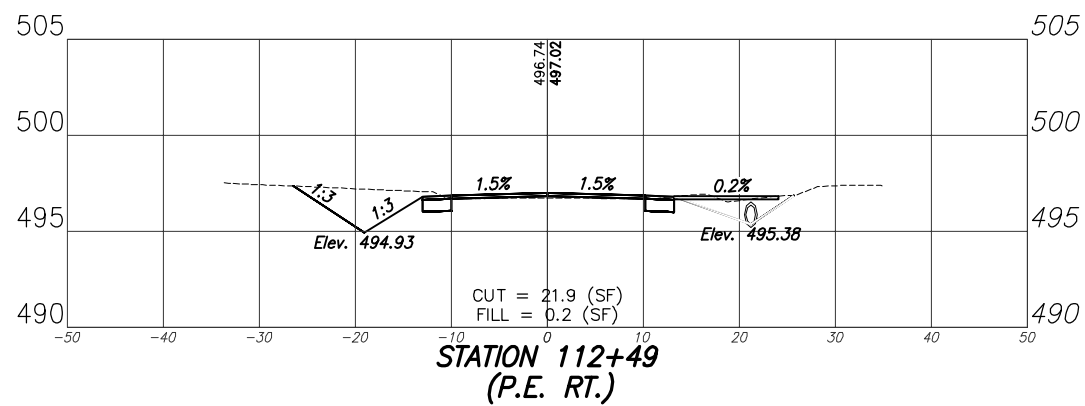
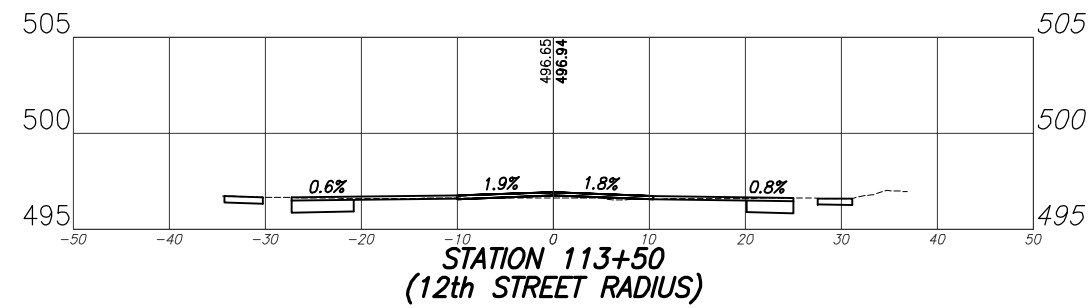
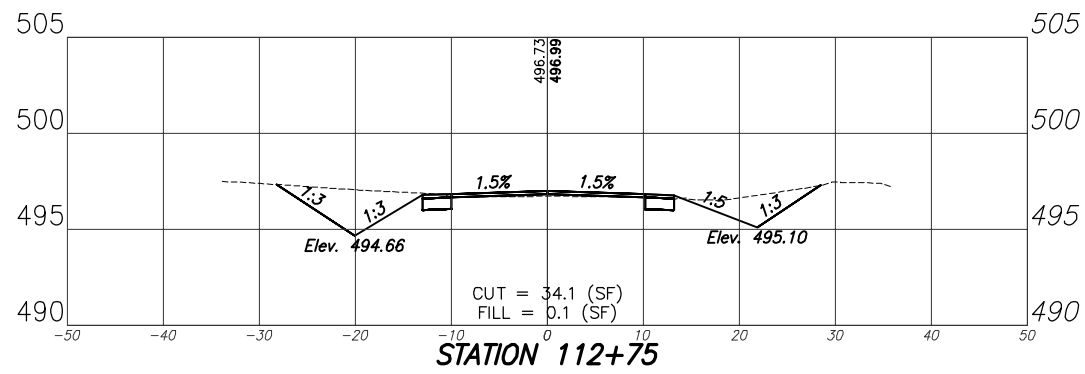
NOTE:
SHOULDER TO MATCH MAINLINE
CROSS SLOPE.



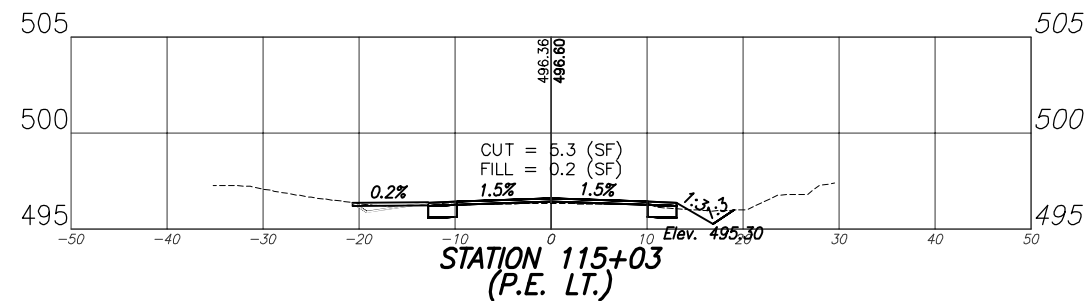
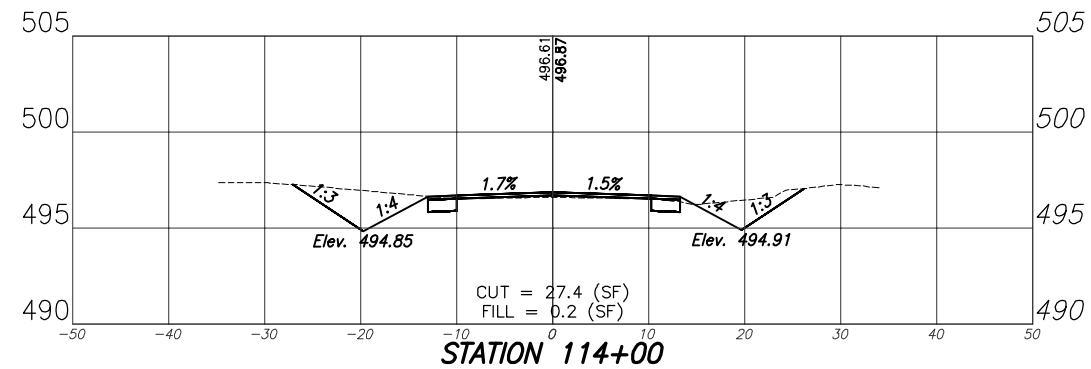
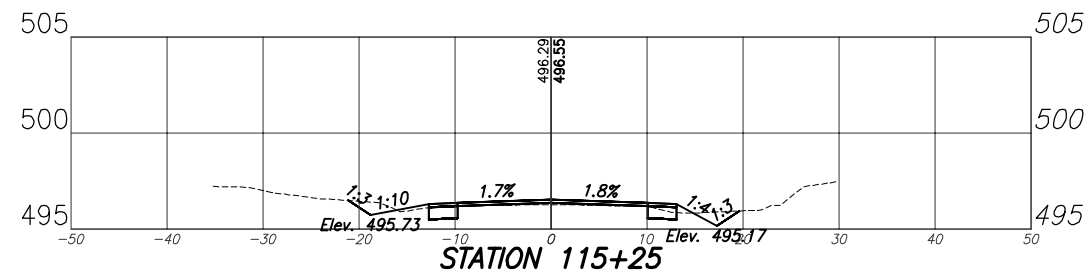
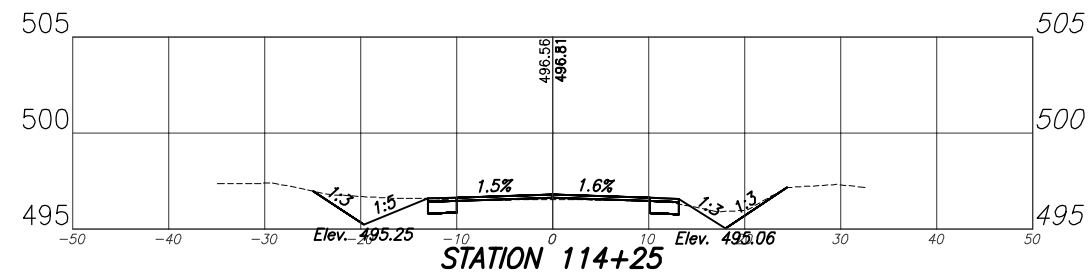
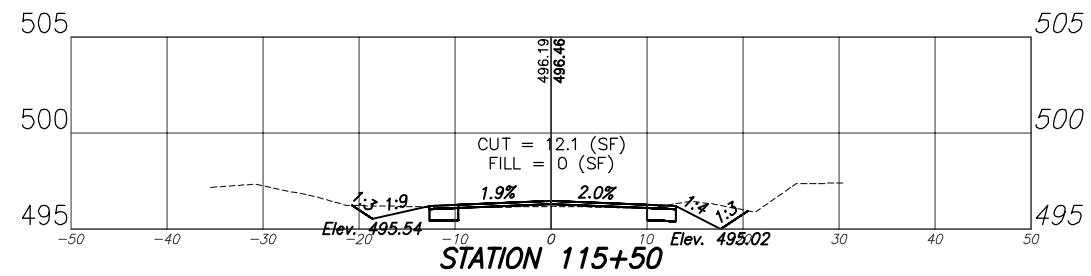
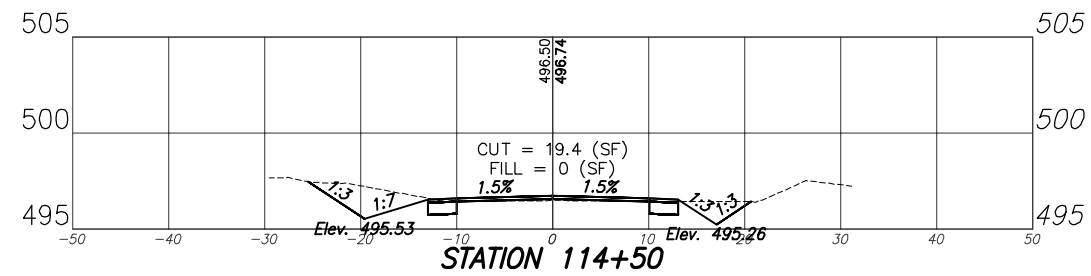
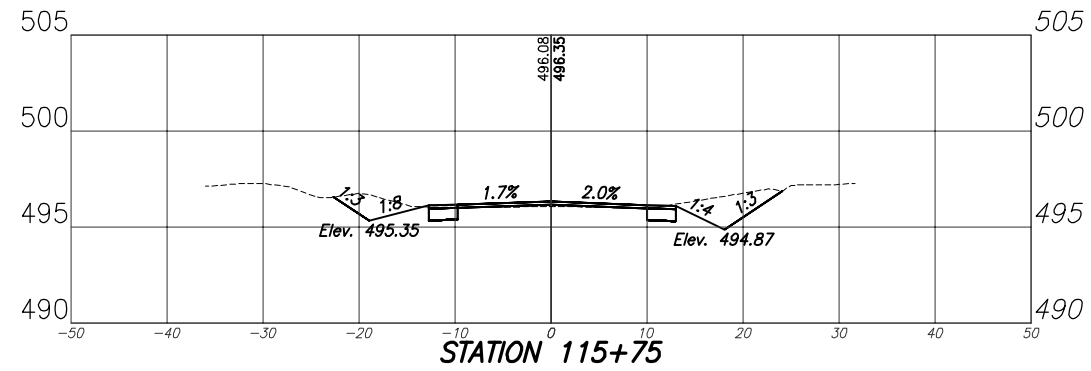
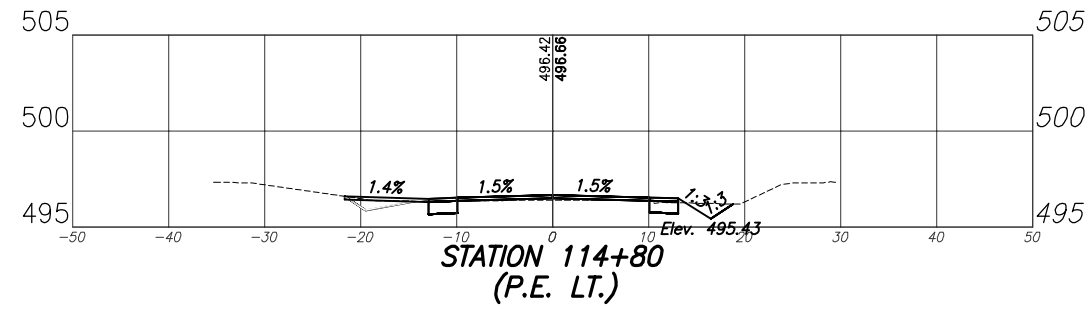
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	44
FEDERAL AID PROJECT		CONTRACT 97707		



NOTE:
SHOULDER TO MATCH MAINLINE
CROSS SLOPE.

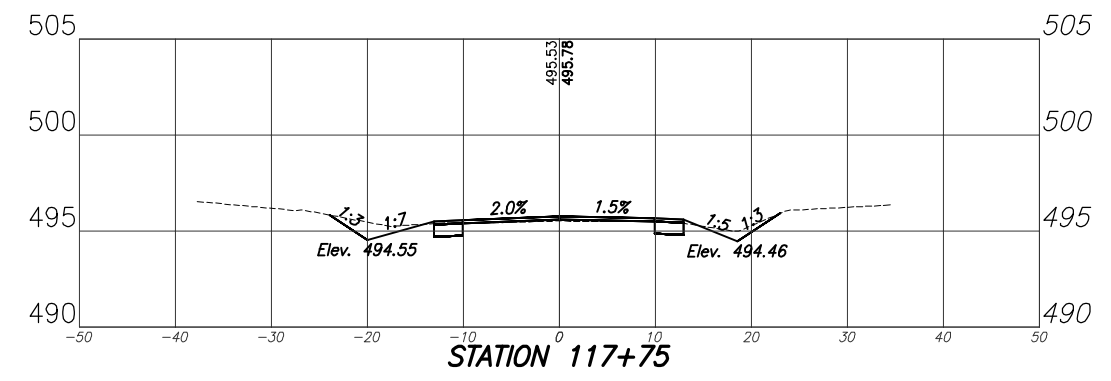
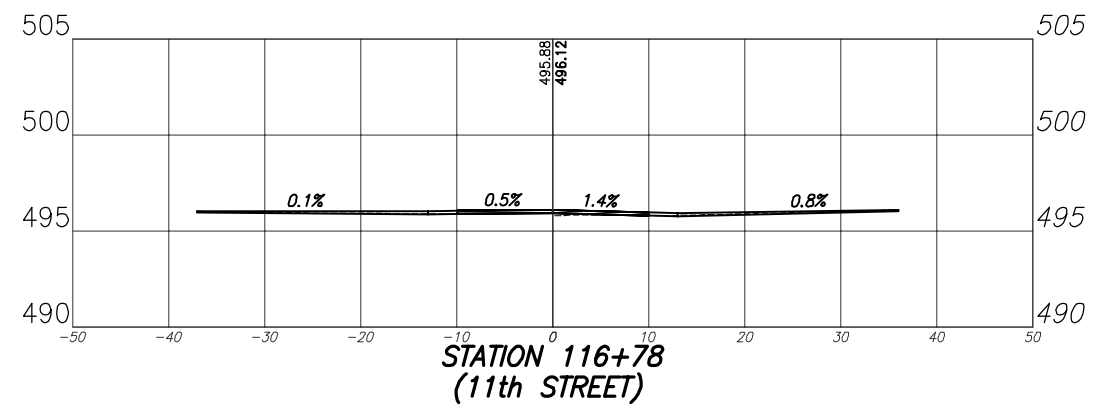


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	45
FEDERAL AID PROJECT		CONTRACT 97707		

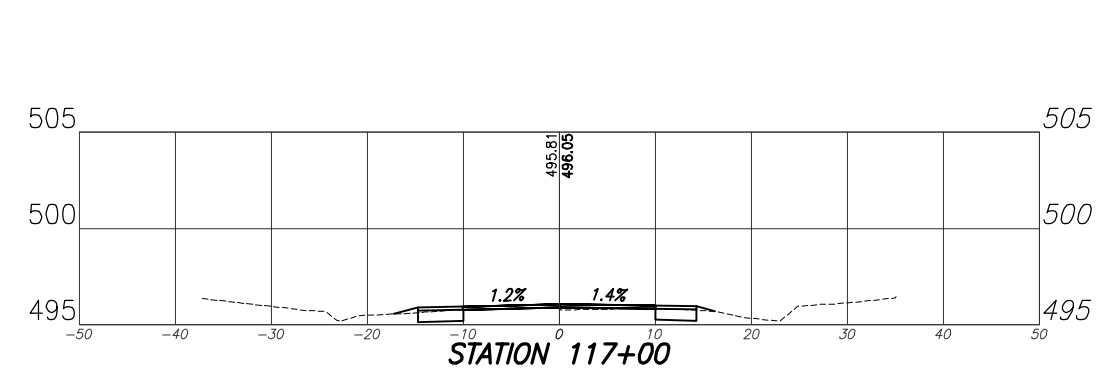
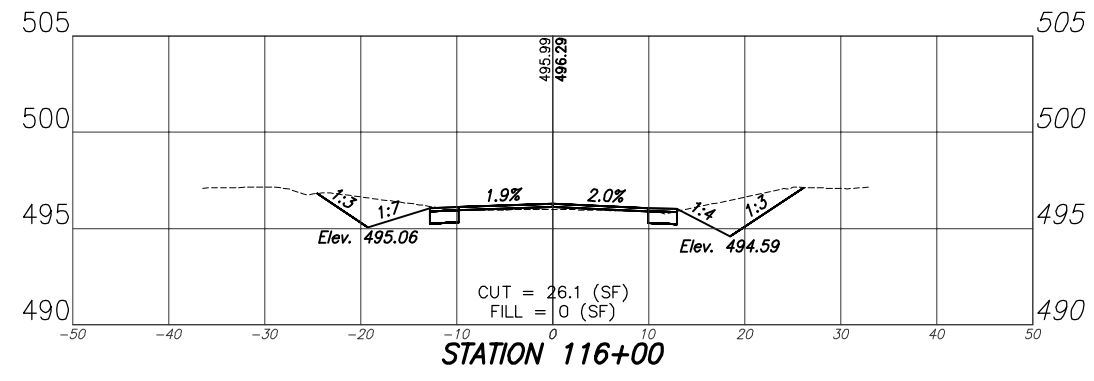
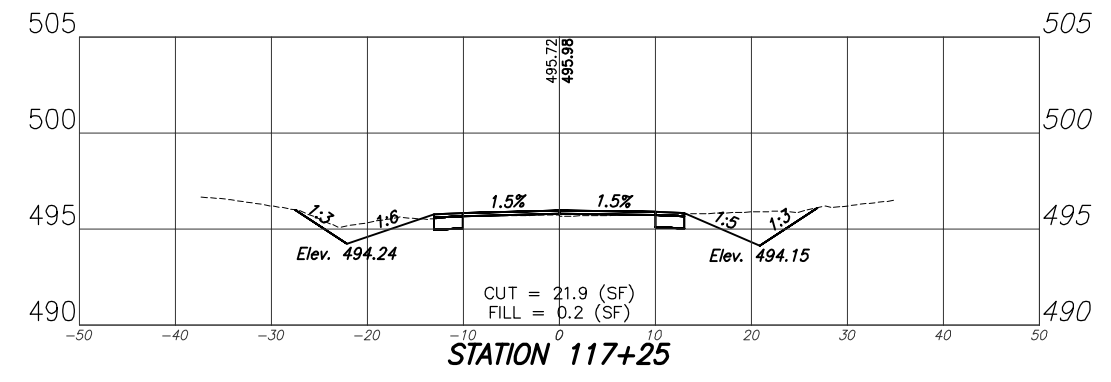
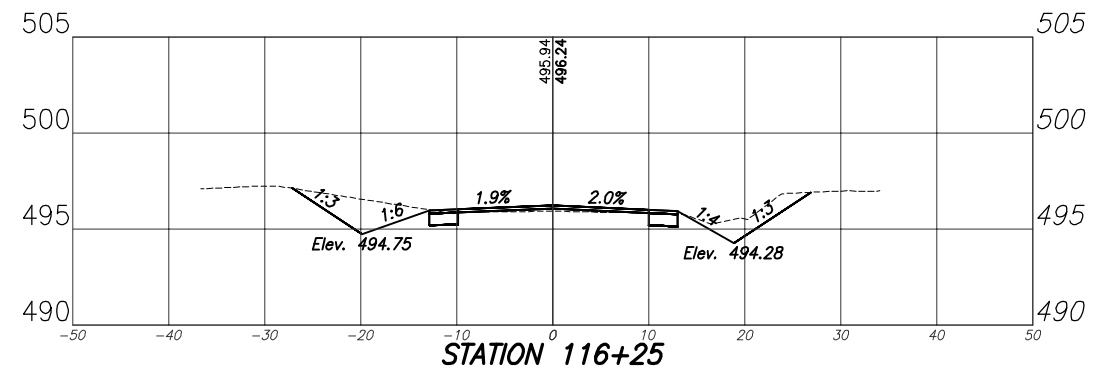
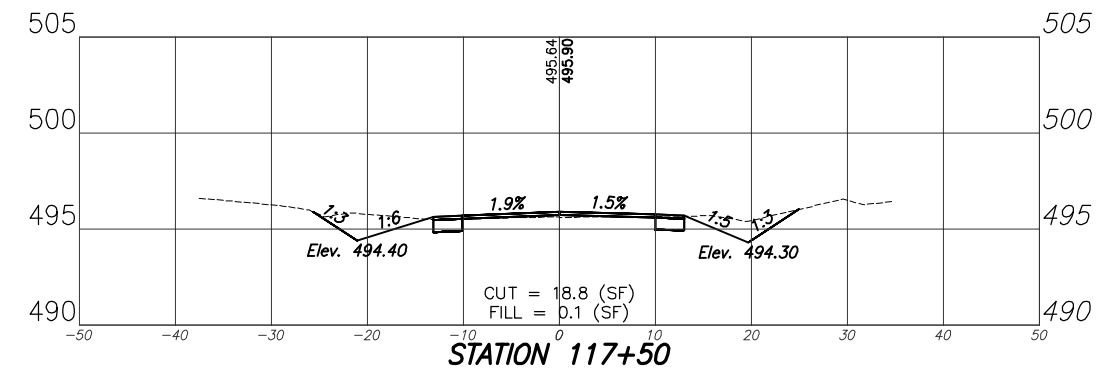
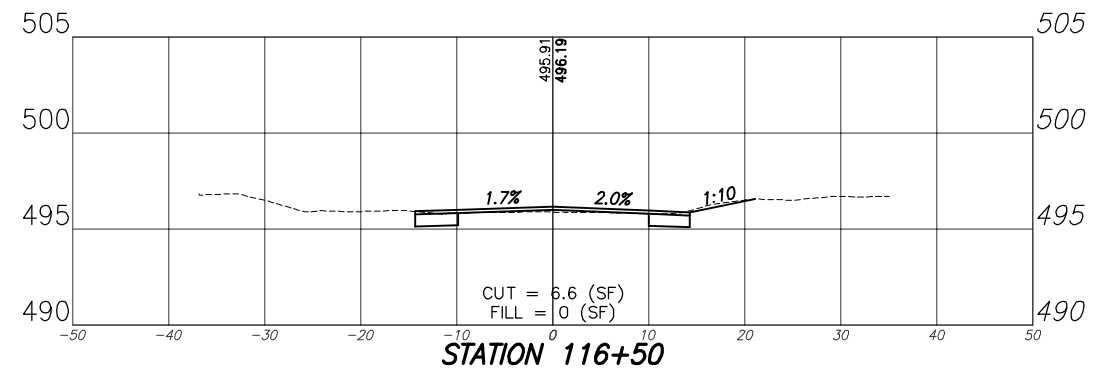


NOTE:
SHOULDER TO MATCH MAINLINE
CROSS SLOPE.

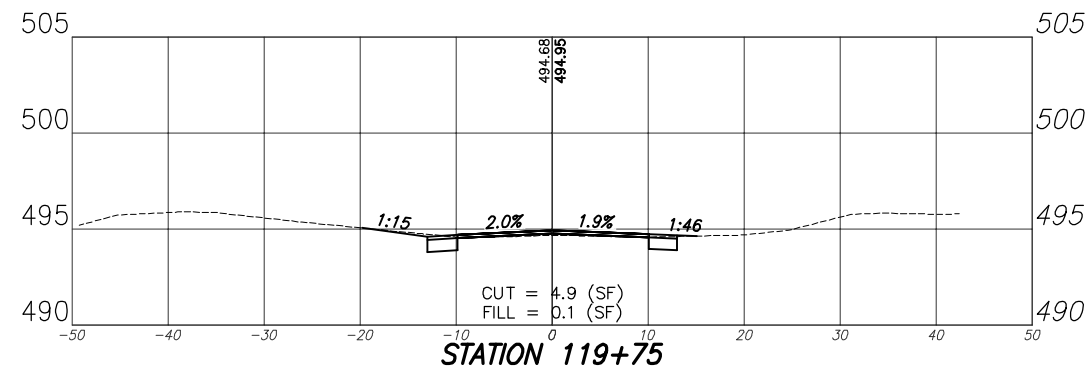
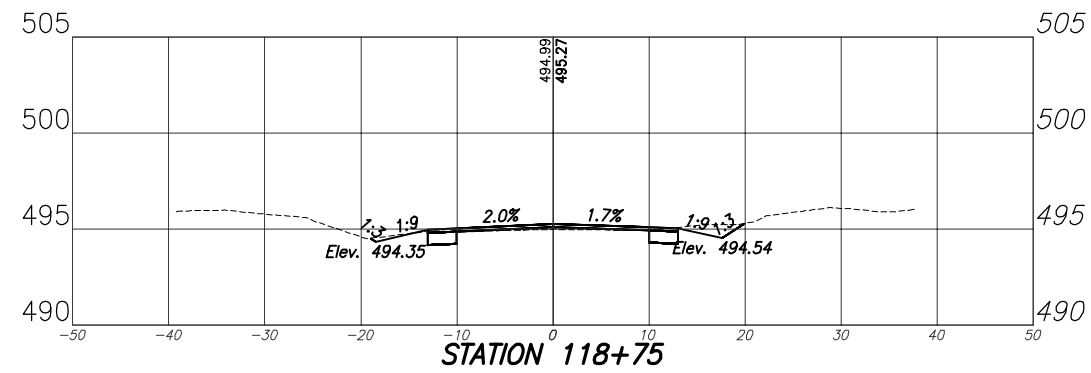
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	46
FEDERAL AID PROJECT		CONTRACT 97707		



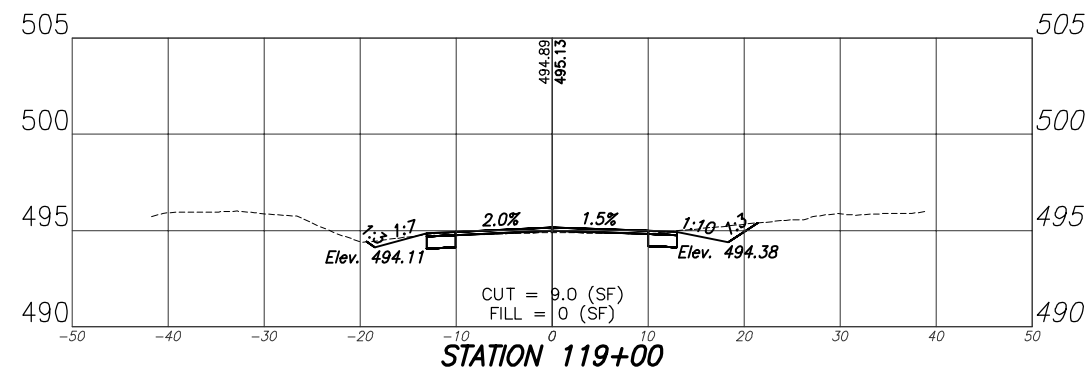
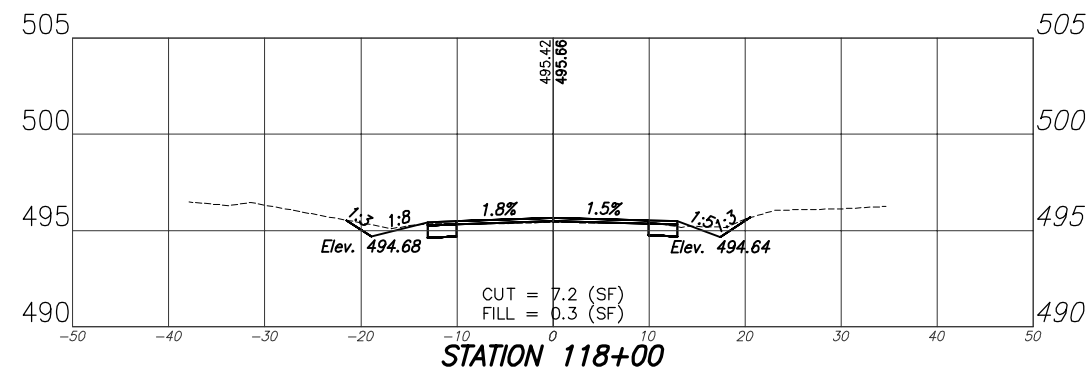
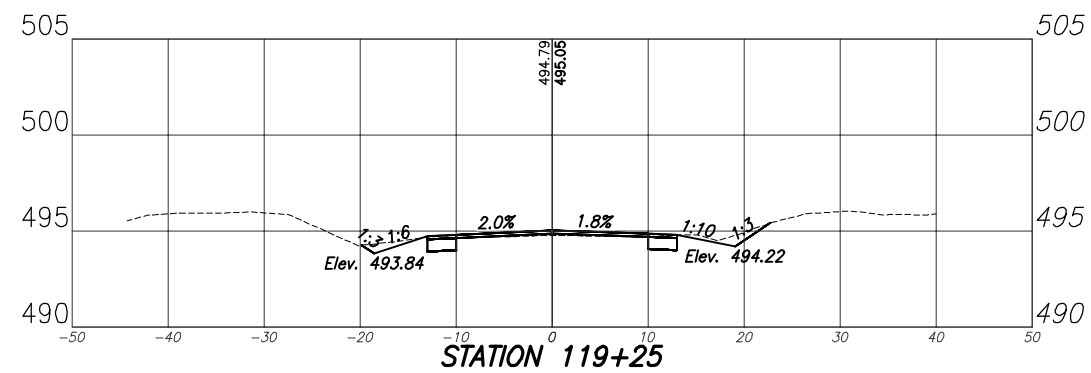
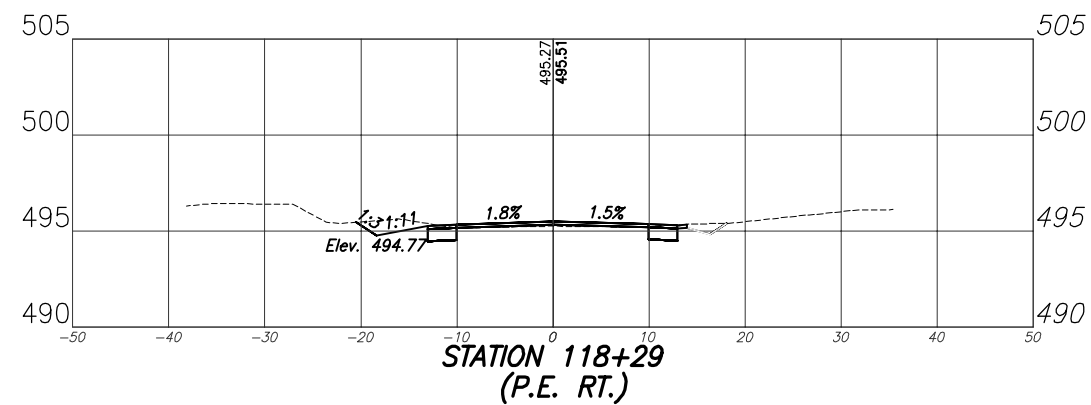
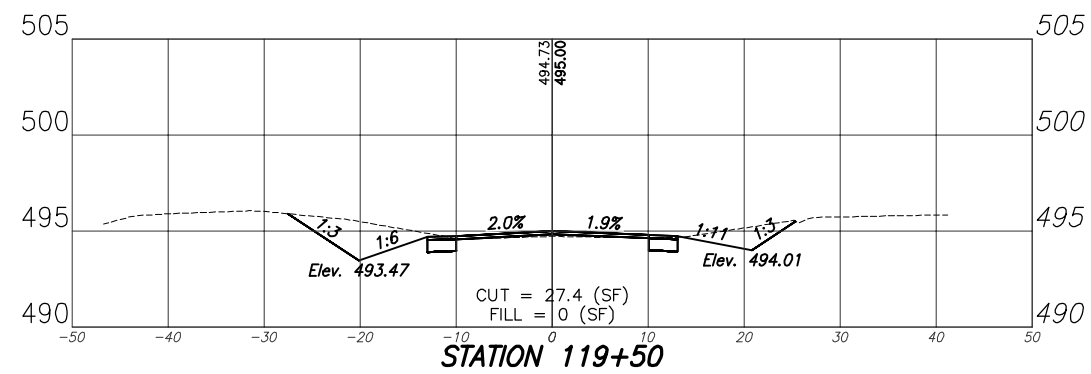
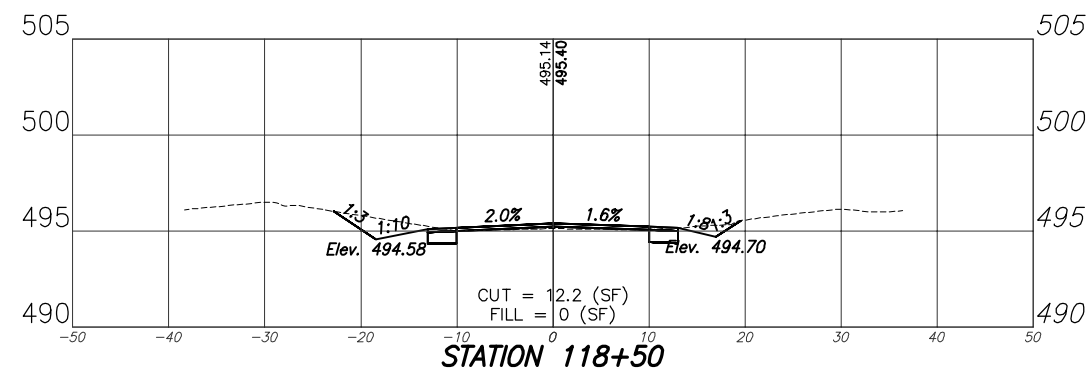
NOTE:
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CROSS SLOPE.



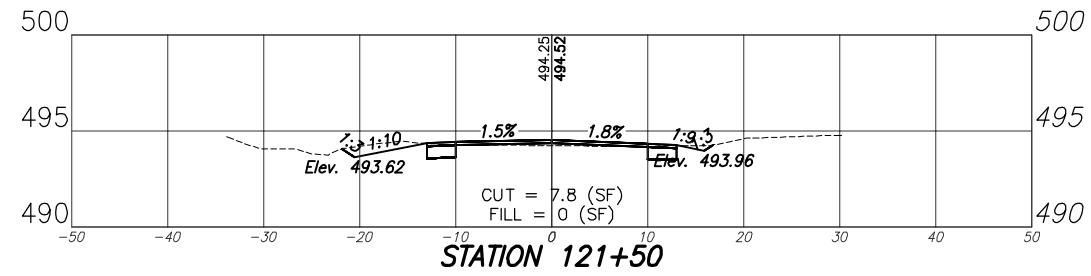
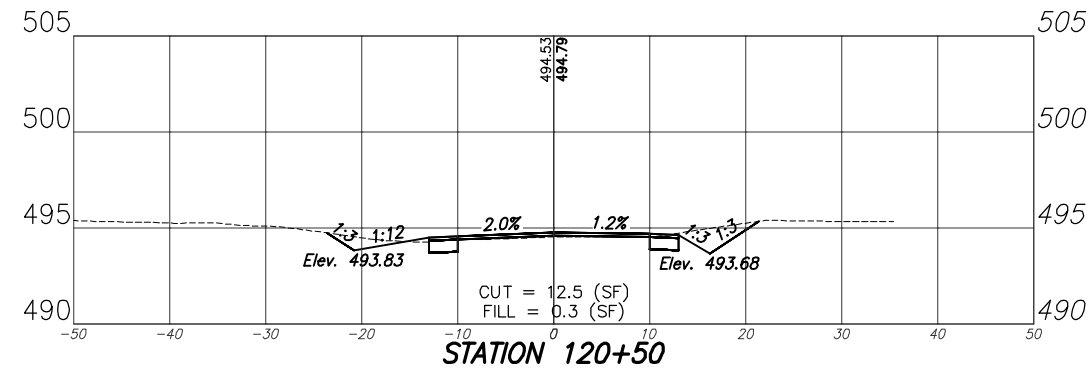
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	47
FEDERAL AID PROJECT		CONTRACT 97707		



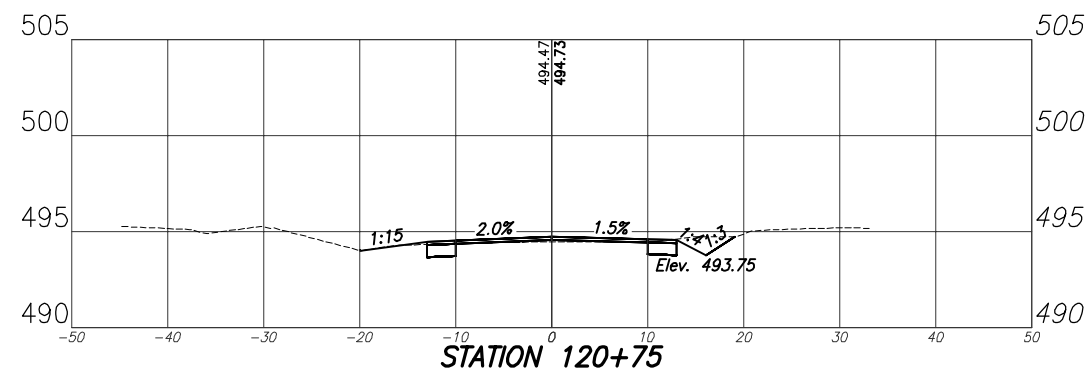
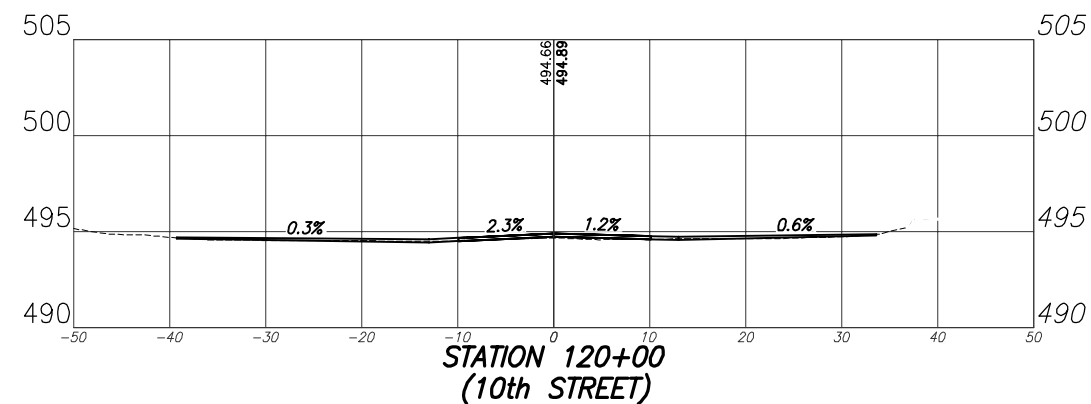
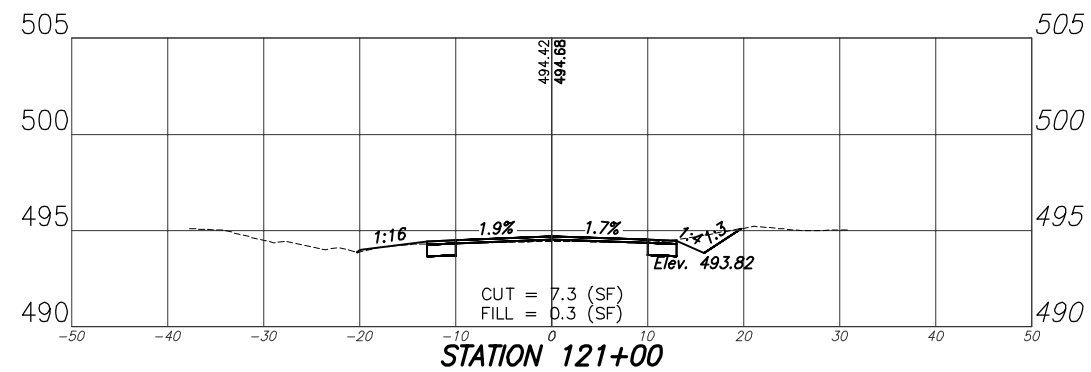
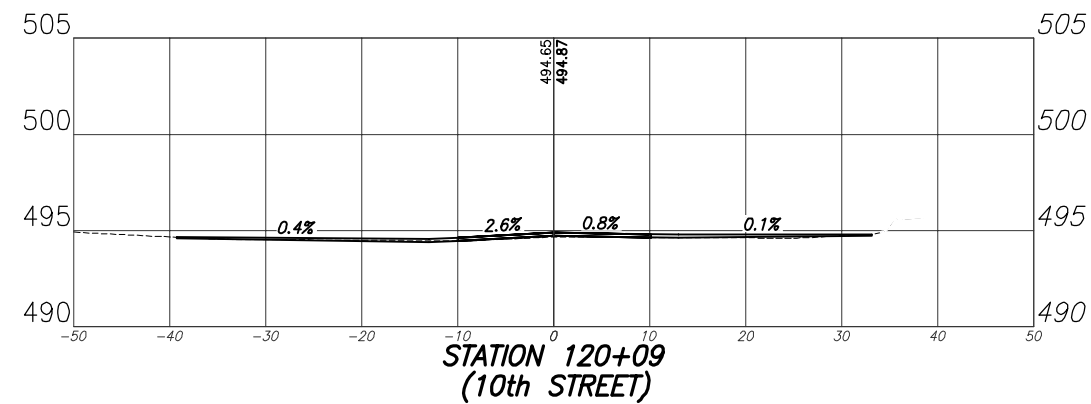
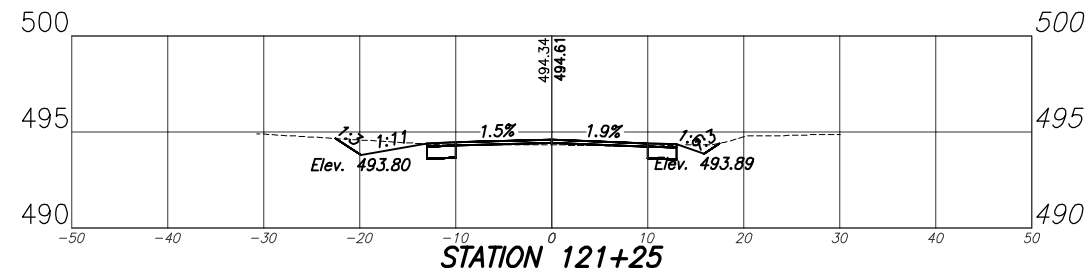
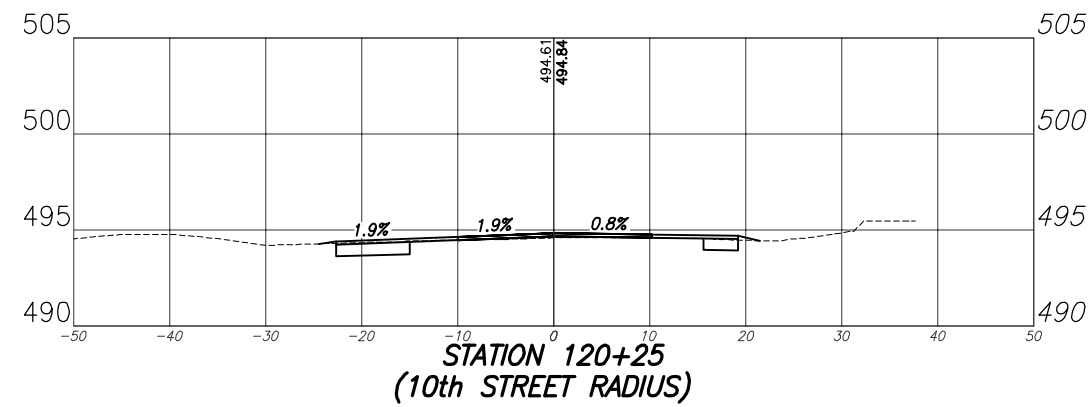
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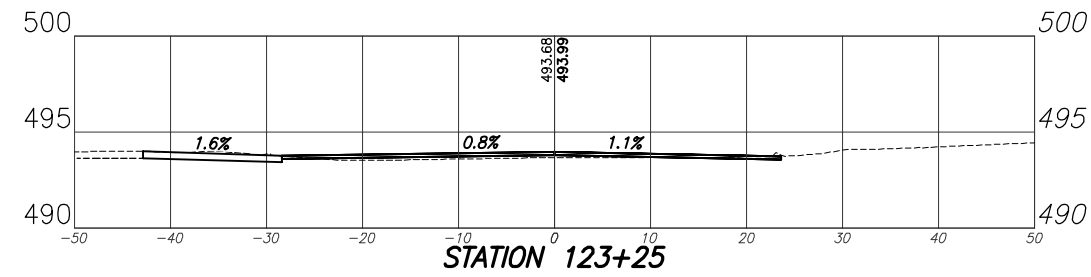
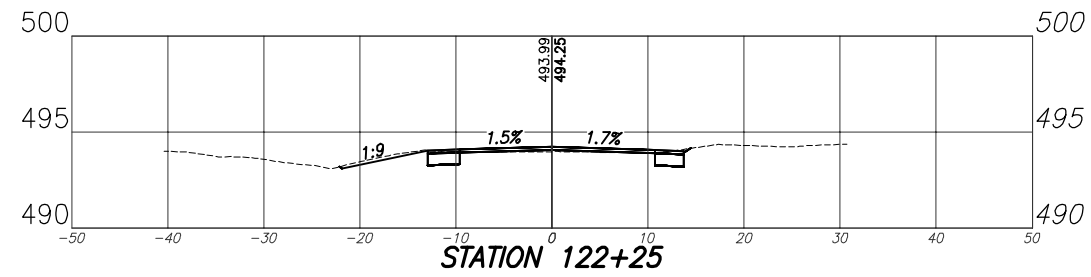
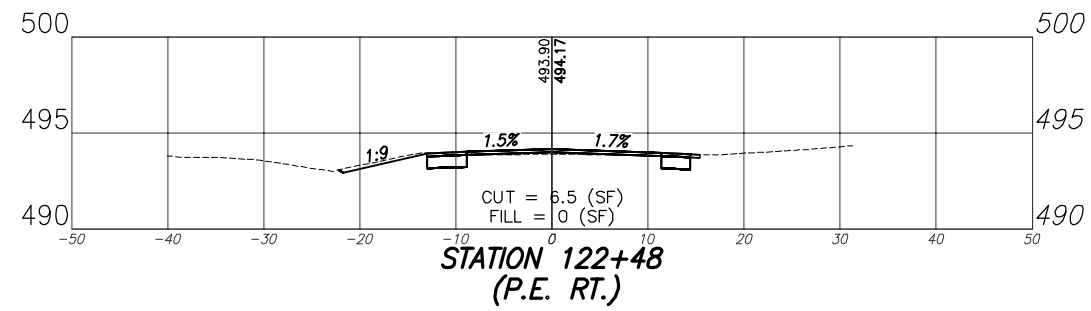
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	48
FEDERAL AID PROJECT		CONTRACT 97707		



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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	49	49
FEDERAL AID PROJECT		CONTRACT 97707		



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