

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

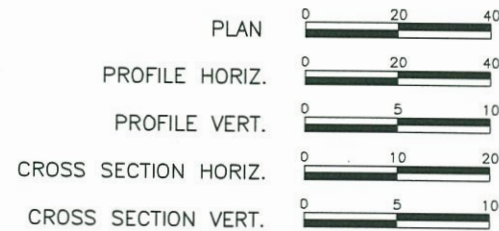
FAU 8611 (HICKORY STREET), FAU 8612 (HICKORY STREET) & FAU 8605 (16th STREET) RESURFACING
STU FUNDS
SECTION 16-00087-01-RS
PROJECT NO. AZK2(774)
CITY OF CENTRALIA, ILLINOIS
MARION COUNTY
JOB NO. C-98-356-16

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	1
FEDERAL AID PROJECT		CONTRACT 97707		

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES, HIGHWAY STANDARDS, UTILITIES & COMMITMENTS
3. SUMMARY OF QUANTITIES
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- 8.-10. CONSTRUCTION SCHEDULES
- 11.-18. ROADWAY PLANS
- 19.-24. PAVEMENT MARKING PLANS
25. PAVING DETAILS
- 26.-37. 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

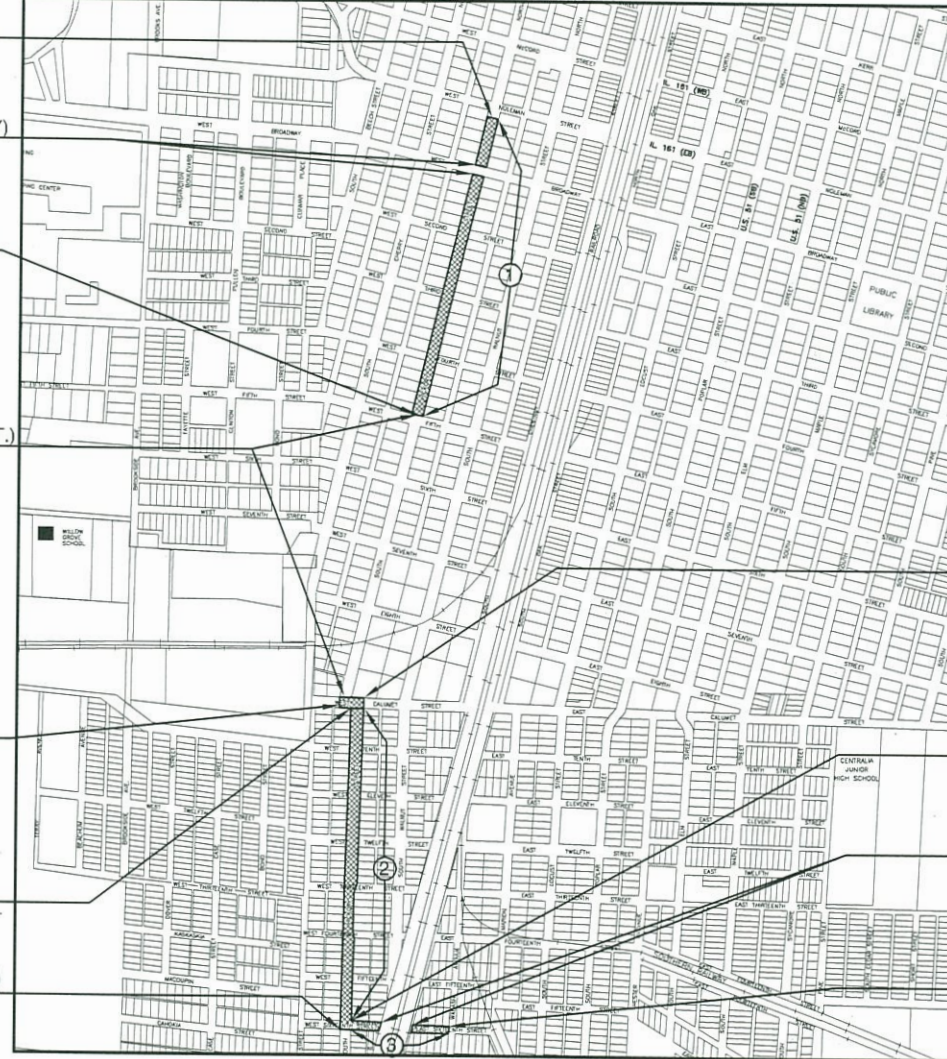
BEGIN HICKORY ST. ②
STA. 99+67.04

END CALUMET SPUR
STA. 81+41.14

BEGIN 16th ST. ③
STA. 10+39.00

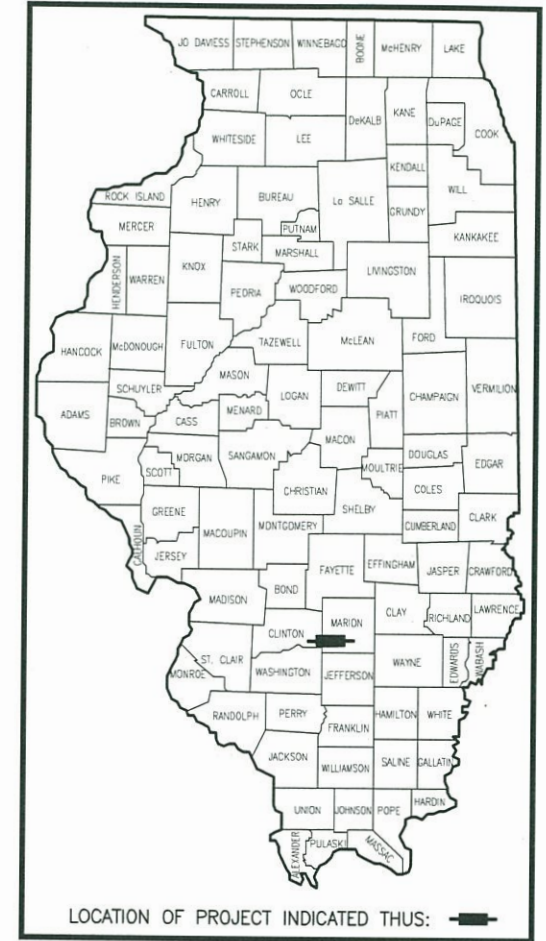
OMISSION (RAILROAD)
STA. 13+25.75 to
STA. 13+86.75

END 16th ST. ③
STA. 17+84.89



AREA MAP

	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: Oct 3 2019
DATE
Mark A. Rujawitz
MAYOR, CITY OF CENTRALIA

PASSED: October 8, 2019
DATE
Jim A. Schaefer
DISTRICT EIGHT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW: October 8, 2019
DATE
Keith Roberts
REGION FIVE ENGINEER

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS



Mark A. Rujawitz
Mark A. Rujawitz
10/4/2019
Date of Signing
11/30/2019
Date of License Expiration

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



Underground Cable

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

GENERAL NOTES

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	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.) AN ESTIMATED 1,250 TONS OF HMA SURFACE WILL BE REMOVED FROM THIS PROJECT DURING MILLING OPERATIONS.
- 6.) CHANGES IN THE VERTICAL OR HORIZONTAL DIMENSIONS OF 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.
- 7.) THE REMOVAL OF ANY CURB AND/OR GUTTER SHALL ALSO INCLUDE THE DISCONNECTION OF THE EXISTING CURB AND/OR GUTTER FROM ANY REINFORCEMENT OR COLLATERAL MATERIAL THAT MAY BE PRESENTLY ATTACHED. THERE SHALL NOT BE ANY ADDITIONAL COMPENSATION FOR THIS WORK AS IT SHALL BE CONSIDERED AS INCLUDED IN THE REMOVAL ITEM.
- 8.) 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.

- 9.) WHERE PROPOSED GUTTER IS TO BE CONSTRUCTED ADJACENT TO EXISTING CONCRETE PAVEMENT, 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 GUTTER OF TYPE SPECIFIED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 10.) 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.
- 11.) THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT.
- 12.) 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.
- 13.) HMA SURFACE REMOVAL WILL BE COMPLETED PRIOR TO PATCHING OPERATIONS IN ORDER FOR THE ENGINEER TO ESTABLISH NECESSITY AND LIMITS OF PATCHING OPERATIONS.
- 14.) 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.
- 15.) THE CITY OF CENTRALIA WILL COMPLETE ALL WATER VALVE ADJUSTMENTS.
- 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:

- 442201-03
- 701006-05
- 701301-04
- 701311-03
- 701326-04
- 701501-06
- 701901-08
- 780001-05

MIXTURE USE(S)	SURFACE COURSE	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-9.5	IL-9.5	IL-19.0	IL-19.0
FRICTION AGG	MIXTURE "C"	N/A	MIXTURE "C"	N/A	N/A
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA

<u>UTILITY TYPE</u>	<u>NAME OF UTILITY</u>	<u>PHONE NUMBER</u>	<u>CONTACT NAME</u>
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

THE CITY OF CENTRALIA WILL COMPLETE SIDEWALK REMOVAL AND REPLACEMENT PRIOR TO CONTRACTOR RESURFACING OPERATIONS.

SUMMARY OF QUANTITIES

CODE	PAY ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	980
25000200	SEEDING, CLASS 2	ACRE	0.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	68
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	68
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	68
25100115	MULCH, METHOD 2	ACRE	0.75
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	75
28000500	INLET AND PIPE PROTECTION	EACH	28
35101400	AGGREGATE BASE COURSE, TYPE B	TON	33
35400100	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 6"	SQ YD	10
35600706	HOT-MIX ASPHALT BASE COURSE WIDENING, 7½"	SQ YD	1,604
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	18
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	50
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8,362
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	159
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	20
40600990	TEMPORARY RAMP	SQ YD	249
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	434
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	1,795
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	654
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	115
42000100	PORTLAND CEMENT CONCRETE PAVEMENT, 6"	SQ YD	52
44000100	PAVEMENT REMOVAL	SQ YD	157
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1½"	SQ YD	6,037
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	538
44000300	CURB REMOVAL	FOOT	68
44000400	GUTTER REMOVAL	FOOT	326
44200089	PAVEMENT PATCHING, TYPE I, 8 INCH	SQ YD	78
44200094	PAVEMENT PATCHING, TYPE II, 8 INCH	SQ YD	175
44200099	PAVEMENT PATCHING, TYPE III, 8 INCH	SQ YD	16

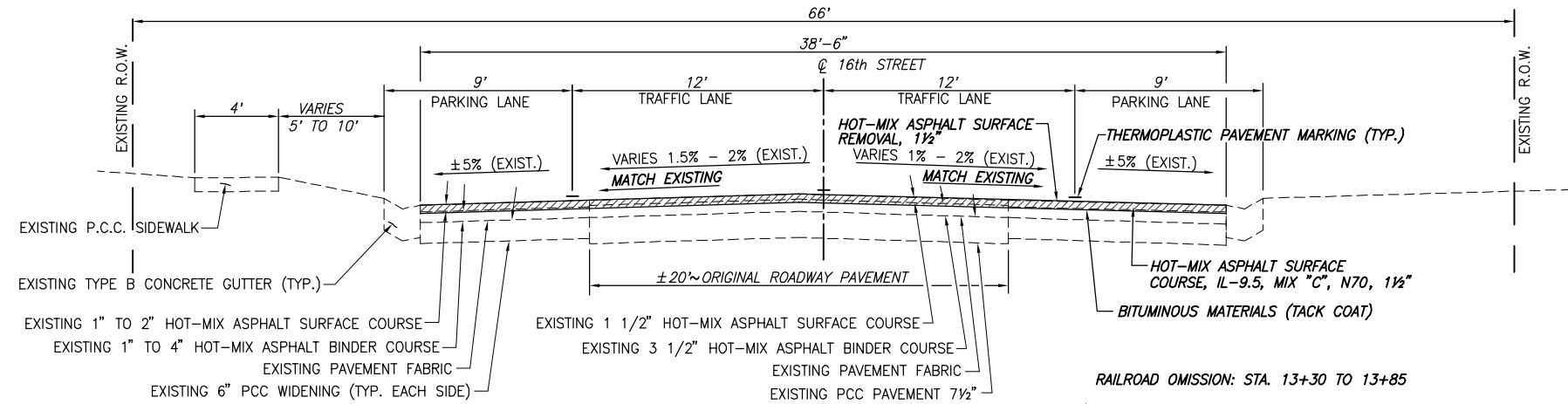
* SPECIALITY ITEM

CODE	PAY ITEM	UNIT	QUANTITY
44200101	PAVEMENT PATCHING, TYPE IV, 8 INCH	SQ YD	28
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4,740
50105220	PIPE CULVERT REMOVAL	FOOT	135
54200217	PIPE CULVERTS, CLASS D, TYPE 1, 12"	FOOT	146
550A0050	STORM SEWERS, CLASS A, TYPE 1, 12"	FOOT	79
60219000	MANHOLES, TYPE A, 4' DIA., TYPE 8 GRATE	EACH	1
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	4
60255500	MANHOLES TO BE ADJUSTED	EACH	11
60500060	REMOVING INLETS	EACH	6
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,080
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	40
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	122
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	7,172
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	179
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	122
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7,172
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	179
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	4,205
X6024503	INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE (SPECIAL)	EACH	1
X6063000	CONCRETE GUTTER, TYPE B (SPECIAL)	FOOT	731
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	2,870
X0326440	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)	SQ YD	189
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1

* SPECIALITY ITEM

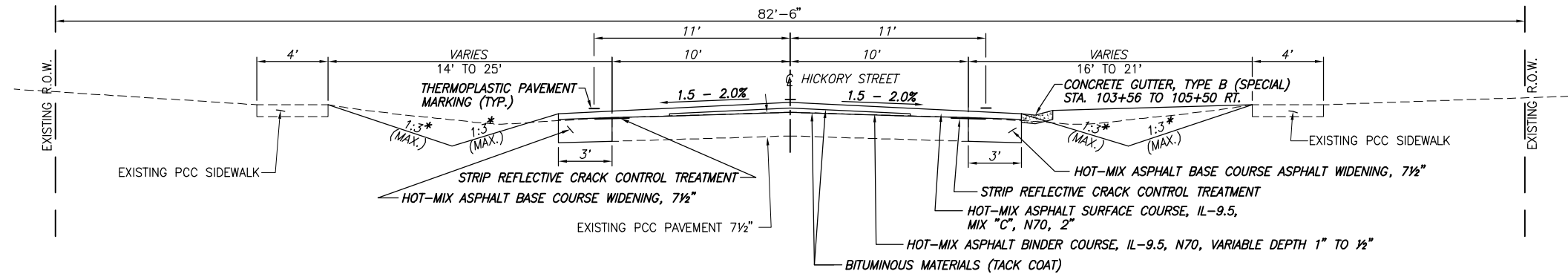
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	3
FEDERAL AID PROJECT		CONTRACT 97707		

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	4
FEDERAL AID PROJECT		CONTRACT 97707		



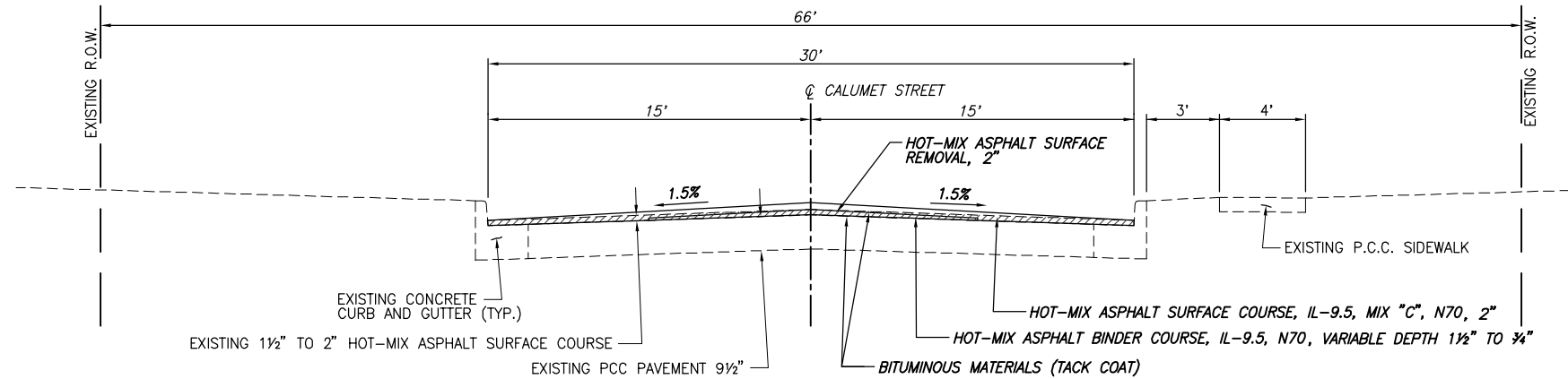
I - TYPICAL SECTION

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



II - TYPICAL SECTION

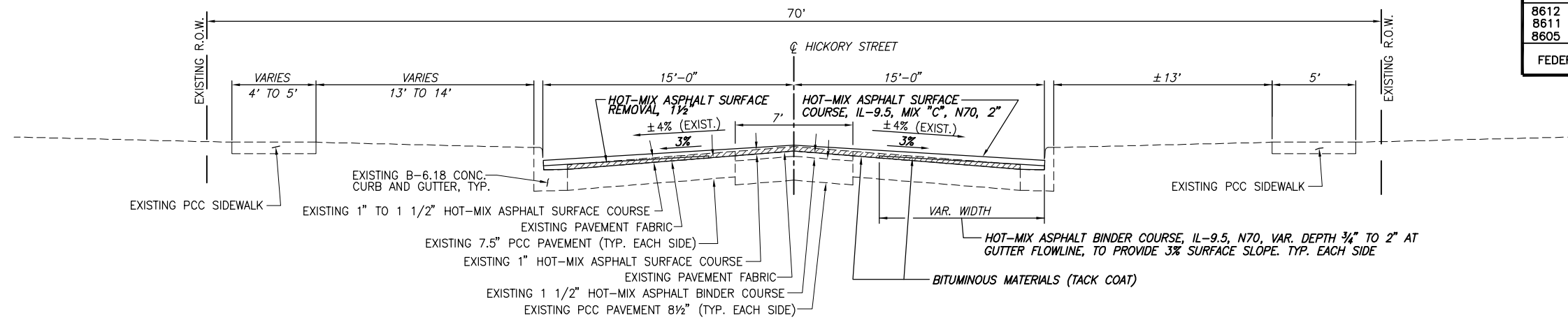
S. HICKORY STREET (16th STREET TO CALUMET STREET)
 STA. 99+67.04 TO 123+28.61
 SCALE: NTS



III - TYPICAL SECTION

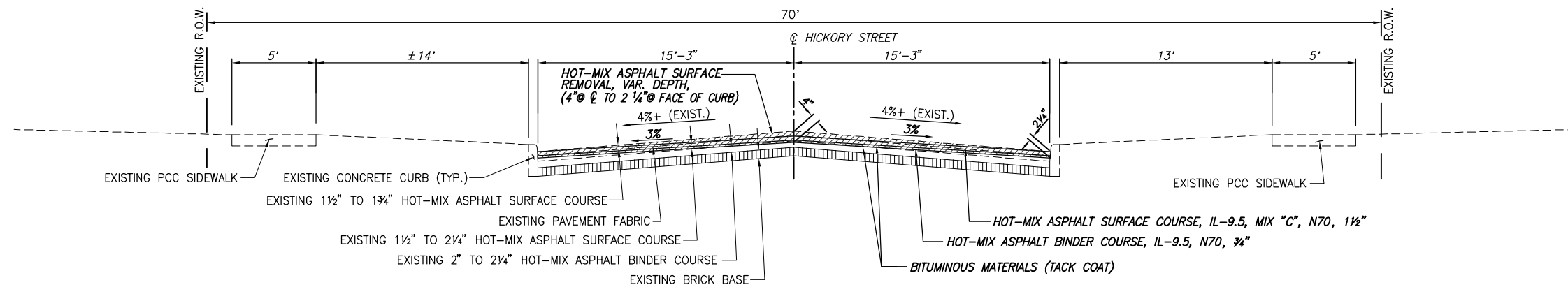
W. CALUMET STREET
 STA. 79+81.75 TO 81+41.14
 SCALE: NTS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	5
FEDERAL AID PROJECT		CONTRACT 97707		



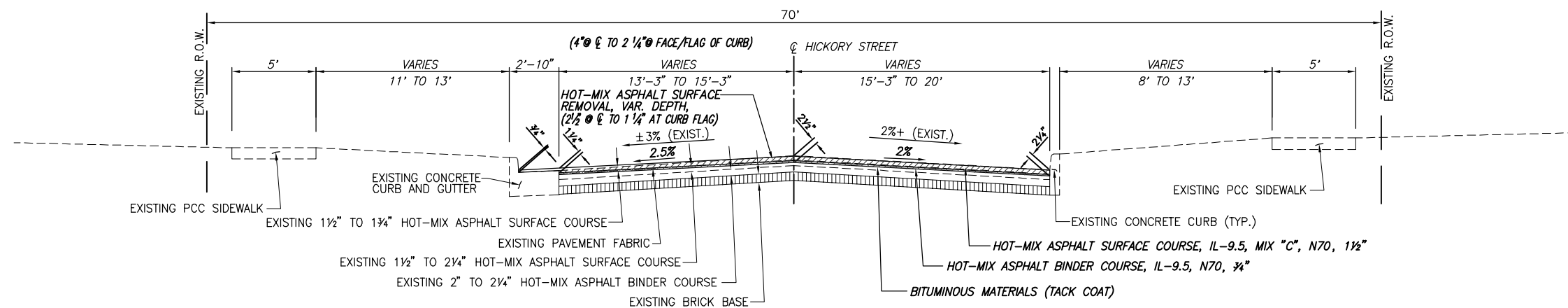
IV - TYPICAL SECTION

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



V - TYPICAL SECTION

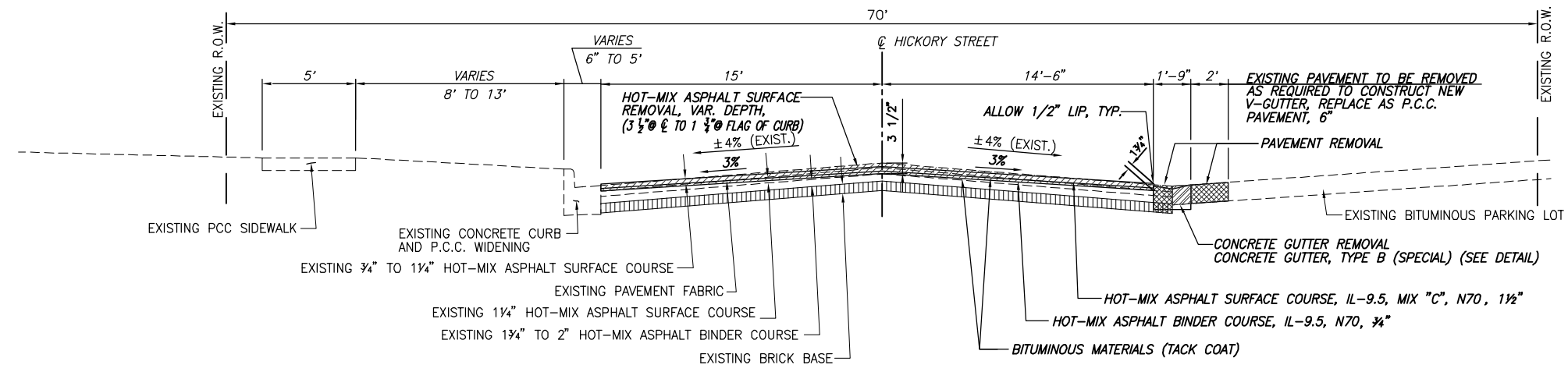
S. HICKORY STREET (3RD STREET TO 165' SOUTH OF BROADWAY)
STA. 253+99 TO 261+76
SCALE: NTS



VI - TYPICAL SECTION

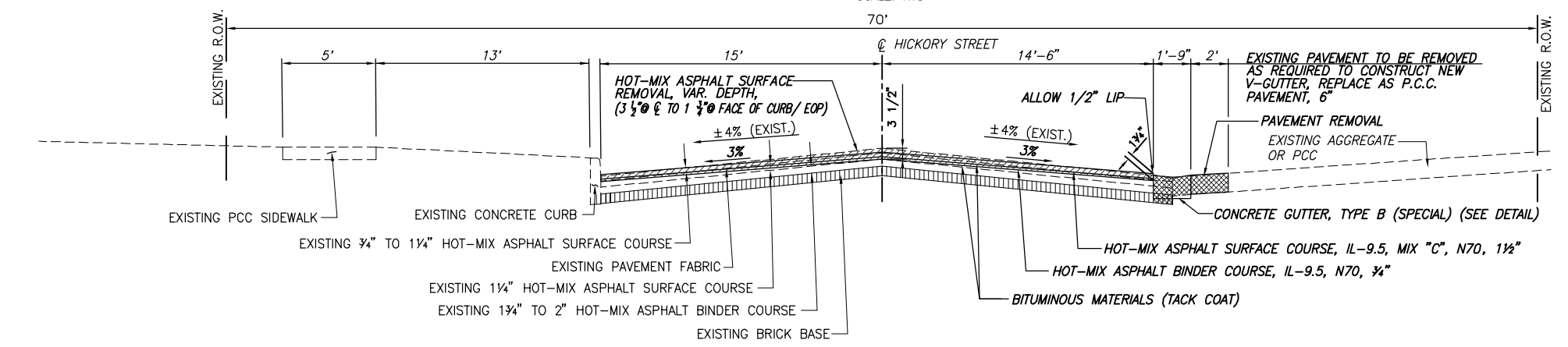
S. HICKORY STREET (165' SOUTH OF BROADWAY TO BROADWAY)
STA. 261+76 TO 263+05.03
SCALE: NTS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	6
FEDERAL AID PROJECT		CONTRACT 97707		



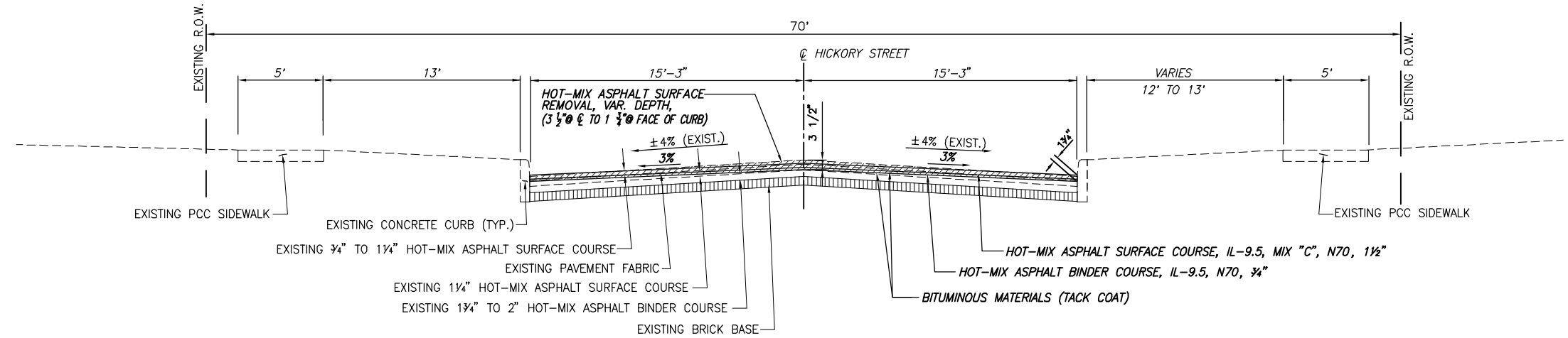
VII - TYPICAL SECTION

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



VIII - TYPICAL SECTION

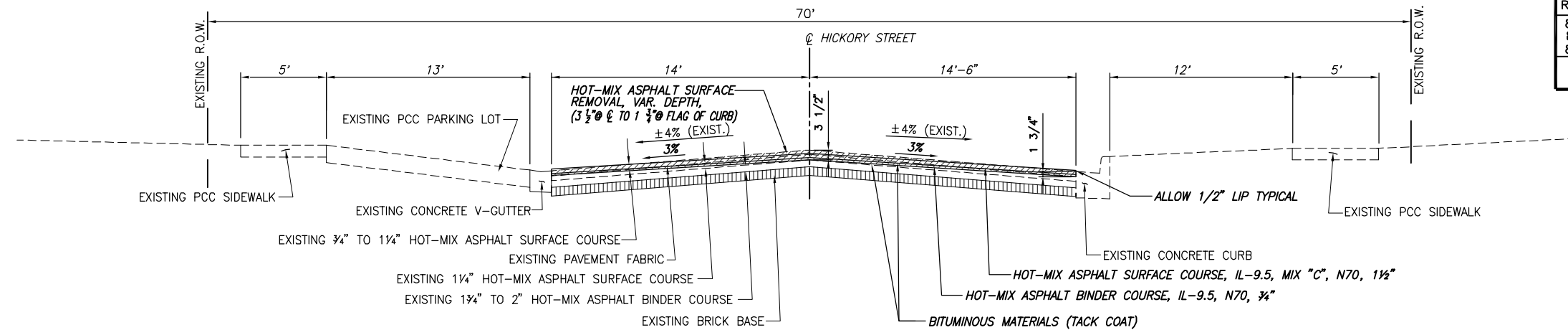
N. HICKORY STREET (160' NORTH OF BROADWAY TO 285' NORTH OF BROADWAY)
 STA. 265+01.5 TO 266+16
 SCALE: NTS



IX - TYPICAL SECTION

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

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	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

ENTRANCE / SIDEROAD SCHEDULE

STATION	EXISTING SURFACE	TYPE	"L"	"W"	AGGREGATE BASE COURSE, TYPE B	AGGREGATE SURFACE COURSE, TYPE B	HMA SURFACE REMOVAL, 1½"	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HMA SURFACE COURSE	SURFACE REMOVAL (SPECIAL)	
			FOOT	FOOT						TON	TON
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. * LENGTH OF OIL AND CHIP REMOVAL ON CONCRETE APRONS
 ** ADDITIONAL QUANTITY SHOWN ON PAVEMENT / RESURFACING 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	8	+727

UTILITY ADJUSTMENT SCHEDULE

STATION	CENTERLINE OFFSET	WATER VALVES TO BE ADJUSTED (BY CITY)	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	CURB REMOVAL	REMOVING INLETS	PIPE CULVERT REMOVAL
	FOOT	FOOT	EACH	FOOT
WEST 16TH STREET				
10+50 TO 10+92, RT.	42			
EAST 16TH STREET				
16+51 TO 17+72, RT.	121			
17+56 TO 17+80, LT.	47			
SOUTH HICKORY STREET				
99+67 TO 99+84, RT.				
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	
258+31 TO 258+55 LT.		40		
258+31 TO 258+55 RT.		28		
NORTH HICKORY STREET				
263+85 TO 265+01, RT.	116			
TOTAL	326	68	6	135

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	8
FEDERAL AID PROJECT		CONTRACT 97707		

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	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

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.

DRAINAGE STRUCTURE SCHEDULE				
PT	LOCATION STATION / OFFSET	DESCRIPTION	RIM	INVERT
1	100+26.38 23.32'RT	INLET TO BE ADJUSTED W/ NEW FRAME AND GRATE (SPECIAL)	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

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

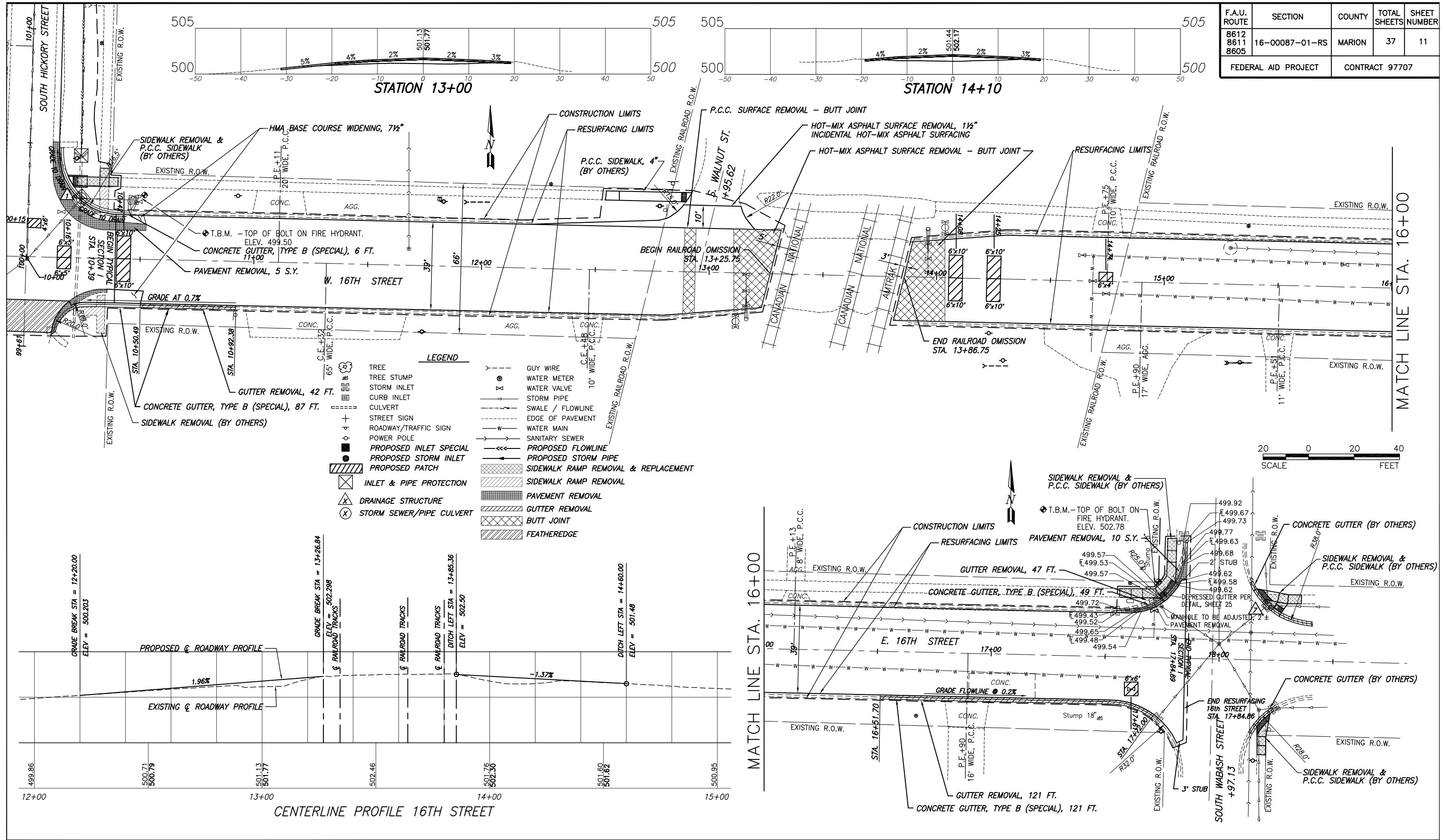
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	10
FEDERAL AID PROJECT			CONTRACT 97707	

PAVEMENT / RESURFACING SCHEDULE

LOCATION	CONCRETE GUTTER, TYPE B (SPECIAL)	HMA SURFACE REMOVAL, BUTT JOINT	PCC SURFACE REMOVAL, BUTT JOINT	PAVEMENT REMOVAL	HMA SURFACE REMOVAL, 1½"	HMA SURFACE REMOVAL, 2"	HMA SURFACE REMOVAL, VARIABLE DEPTH	P.C.C. PAVEMENT, 6"	PCC BASE COURSE WIDENING, 6"	HMA BASE COURSE WIDENING, 7½"	BITUMINOUS MATERIALS (TACK COAT)	HMA BINDER COURSE, IL-9.5, N70	HMA SURFACE COURSE, IL-9.5 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	263	159	20	15	2,775					18	1,329		255		18
SOUTH HICKORY STREET															
II STA. 99+67 to 123+29	237			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	731	159	20	157	5,562 *	538	4,205	52	10	1,604	8,362	434	1,795	4,740	249

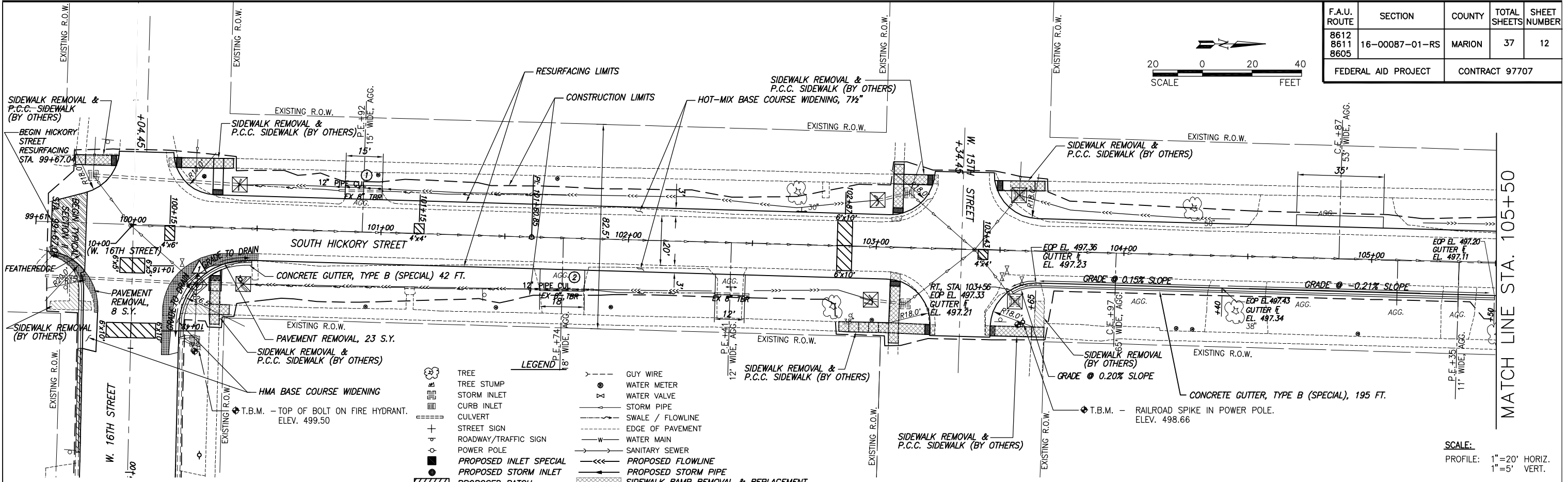
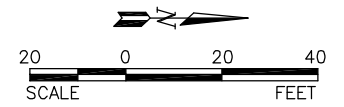
* ADDITIONAL QUANTITY SHOWN ON ENTRANCE / SIDEROAD SCHEDULE.

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	11
FEDERAL AID PROJECT		CONTRACT 97707		

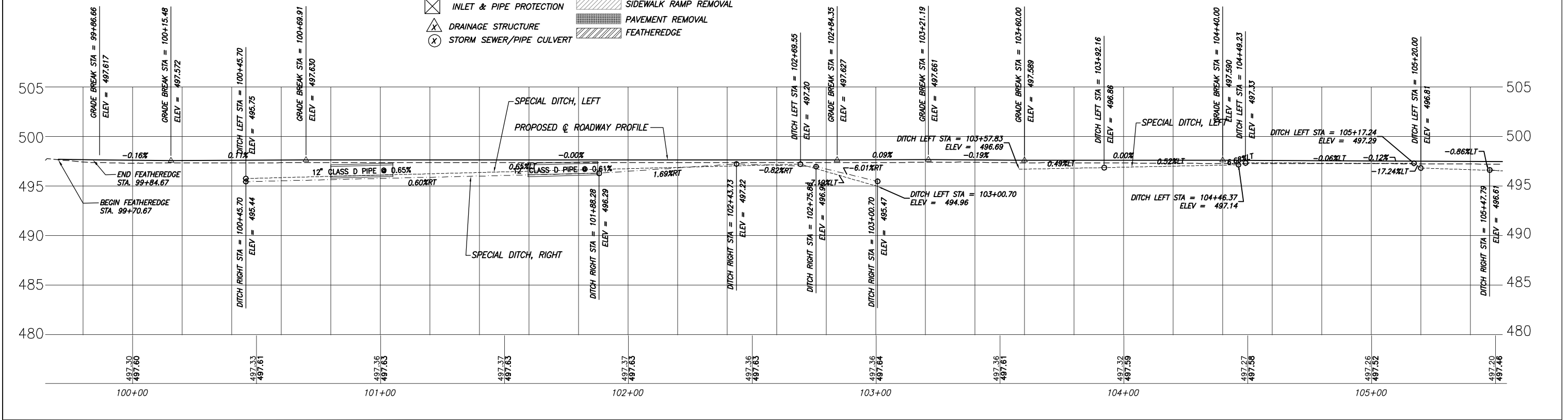


ROADWAY PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

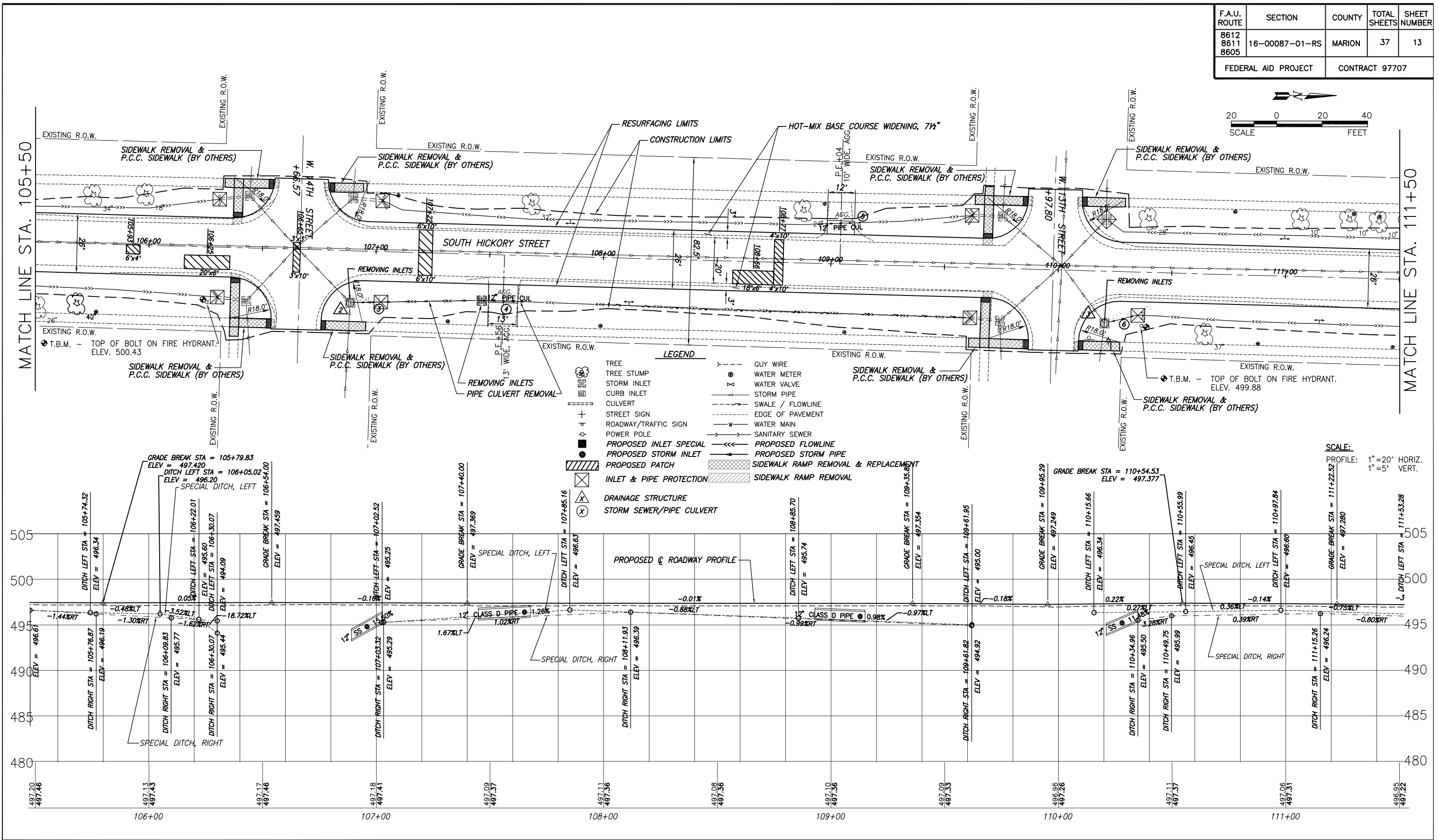
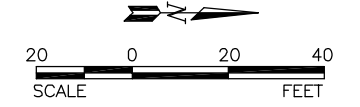
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	12
FEDERAL AID PROJECT		CONTRACT 97707		



- 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
 - SIDEWALK RAMP REMOVAL
 - PAVEMENT REMOVAL
 - FEATHEREDGE



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	13
FEDERAL AID PROJECT		CONTRACT 97707		

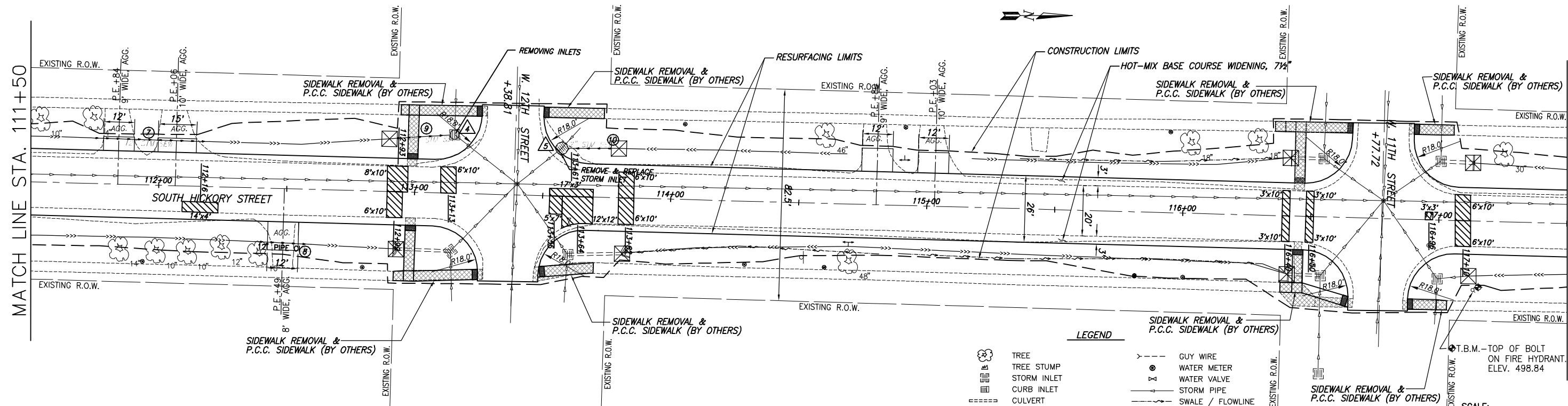
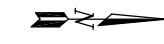
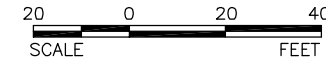


LEGEND

	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
	PROPOSED INLET SPECIAL		PROPOSED FLOWLINE
	PROPOSED STORM INLET		PROPOSED STORM PIPE
	PROPOSED PATCH		SIDEWALK RAMP REMOVAL & REPLACEMENT
	INLET & PIPE PROTECTION		SIDEWALK RAMP REMOVAL
	DRAINAGE STRUCTURE		
	STORM SEWER/PIPE CULVERT		

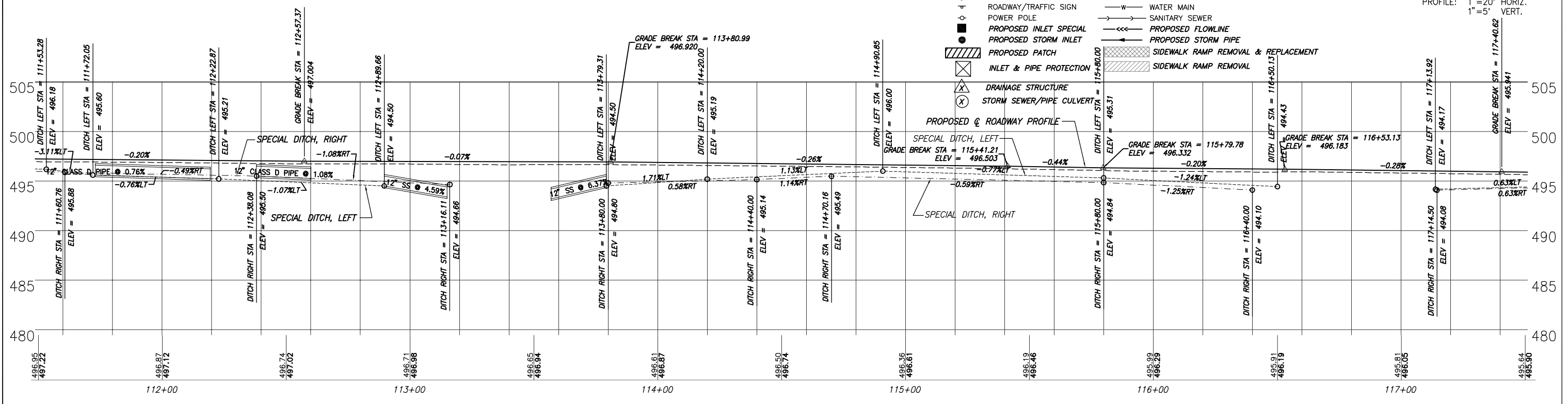
ROADWAY PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	14
FEDERAL AID PROJECT		CONTRACT 97707		

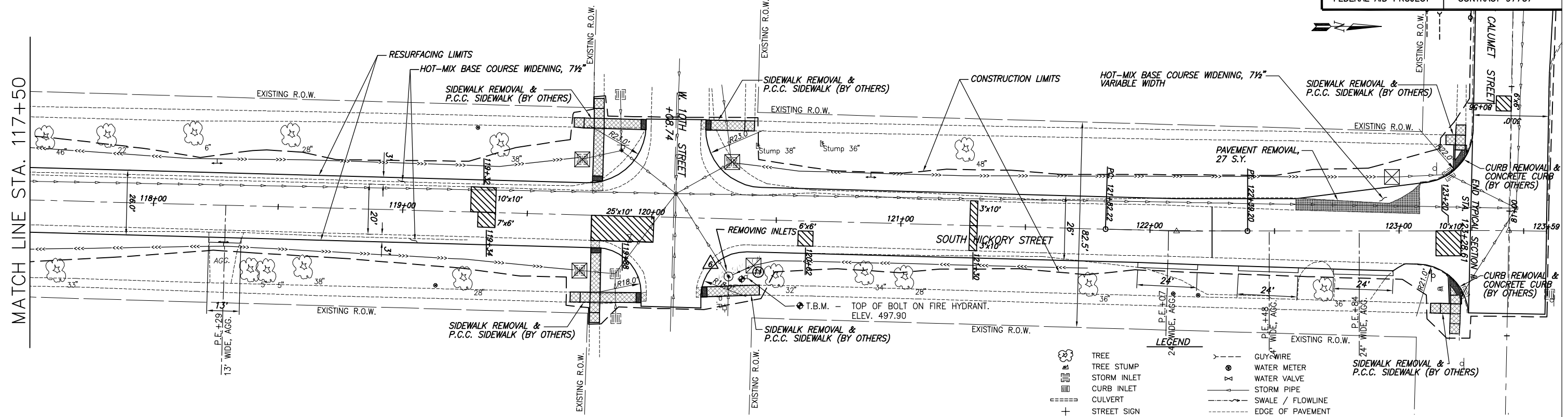
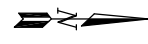
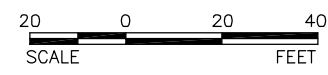


- LEGEND**
- TREE
 - TREE STUMP
 - STORM INLET
 - CURB INLET
 - CULVERT
 - STREET SIGN
 - ROADWAY/TRAFFIC SIGN
 - POWER POLE
 - PROPOSED INLET SPECIAL
 - PROPOSED STORM INLET
 - PROPOSED PATCH
 - INLET & PIPE PROTECTION
 - DRAINAGE STRUCTURE
 - STORM SEWER/PIPE CULVERT
 - PROPOSED & ROADWAY PROFILE
 - SPECIAL DITCH, LEFT
 - SPECIAL DITCH, RIGHT
 - 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
 - T.B.M. - TOP OF BOLT ON FIRE HYDRANT. ELEV. 498.84

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

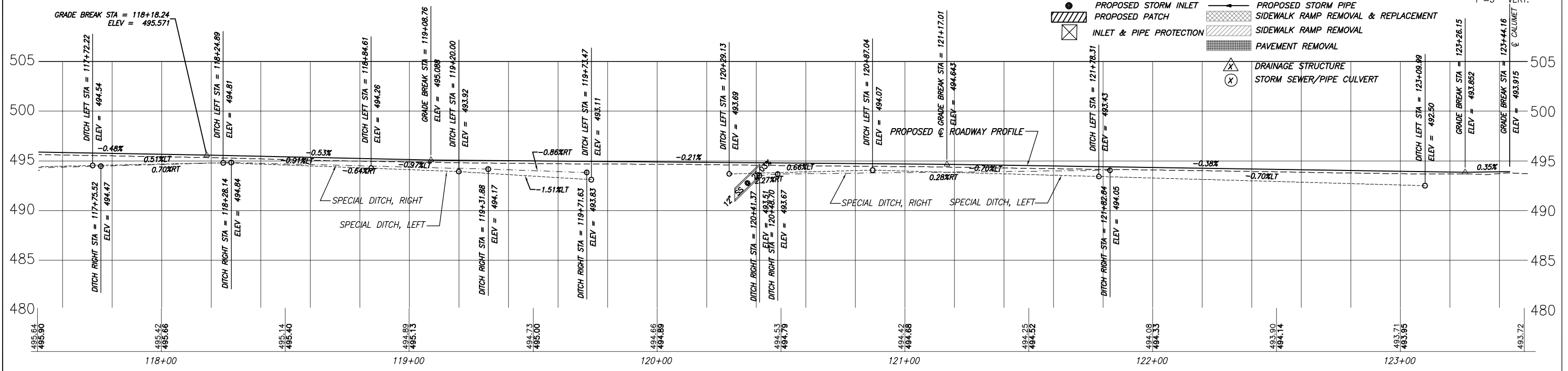


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	15
FEDERAL AID PROJECT		CONTRACT 97707		

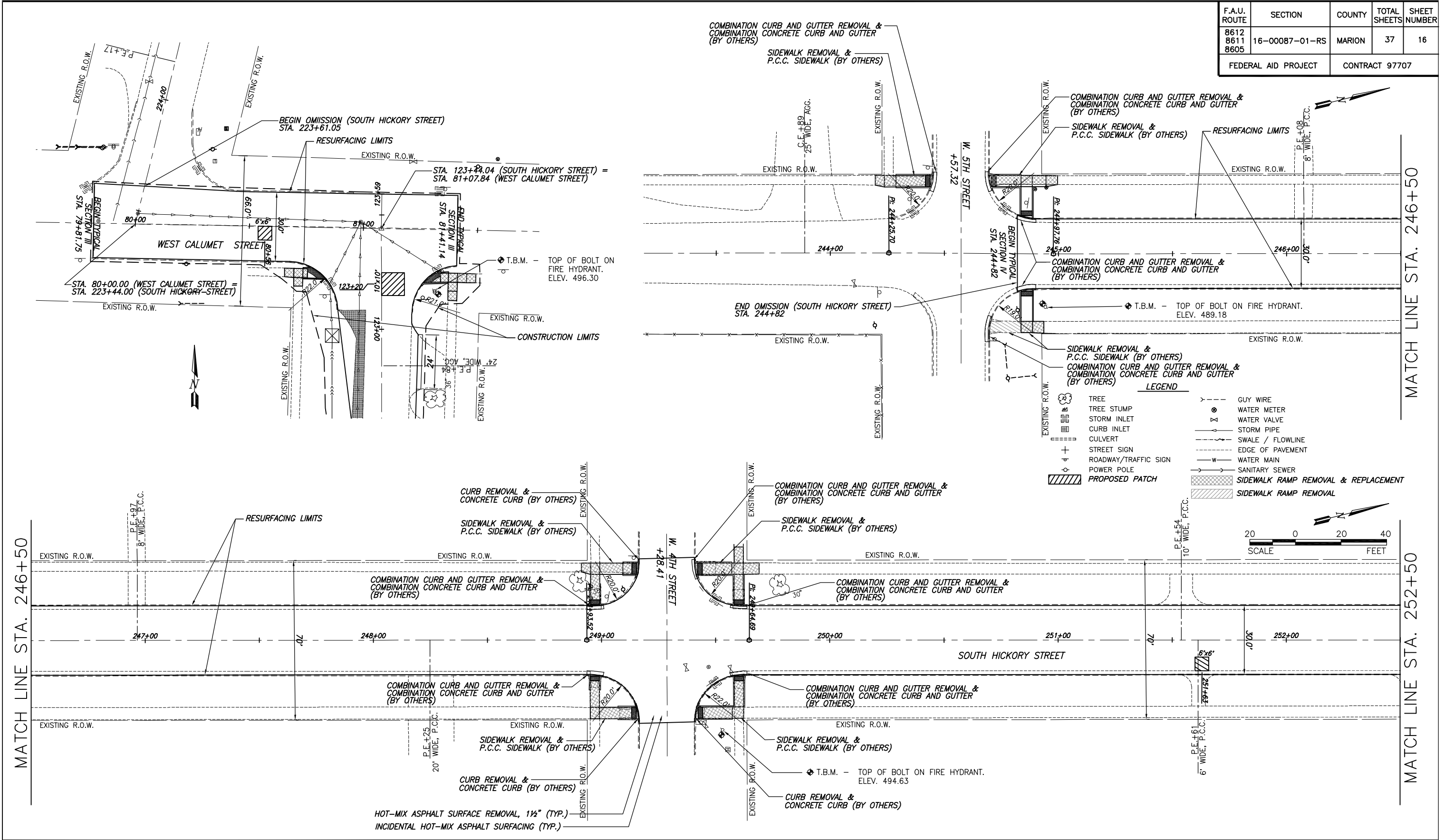


- LEGEND**
- TREE
 - TREE STUMP
 - STORM INLET
 - CURB INLET
 - CULVERT
 - STREET SIGN
 - ROADWAY/TRAFFIC SIGN
 - POWER POLE
 - PROPOSED INLET SPECIAL
 - PROPOSED STORM INLET
 - PROPOSED PATCH
 - INLET & PIPE PROTECTION
 - GUY WIRE
 - WATER METER
 - WATER VALVE
 - STORM PIPE
 - SWALE / FLOWLINE
 - EDGE 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

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

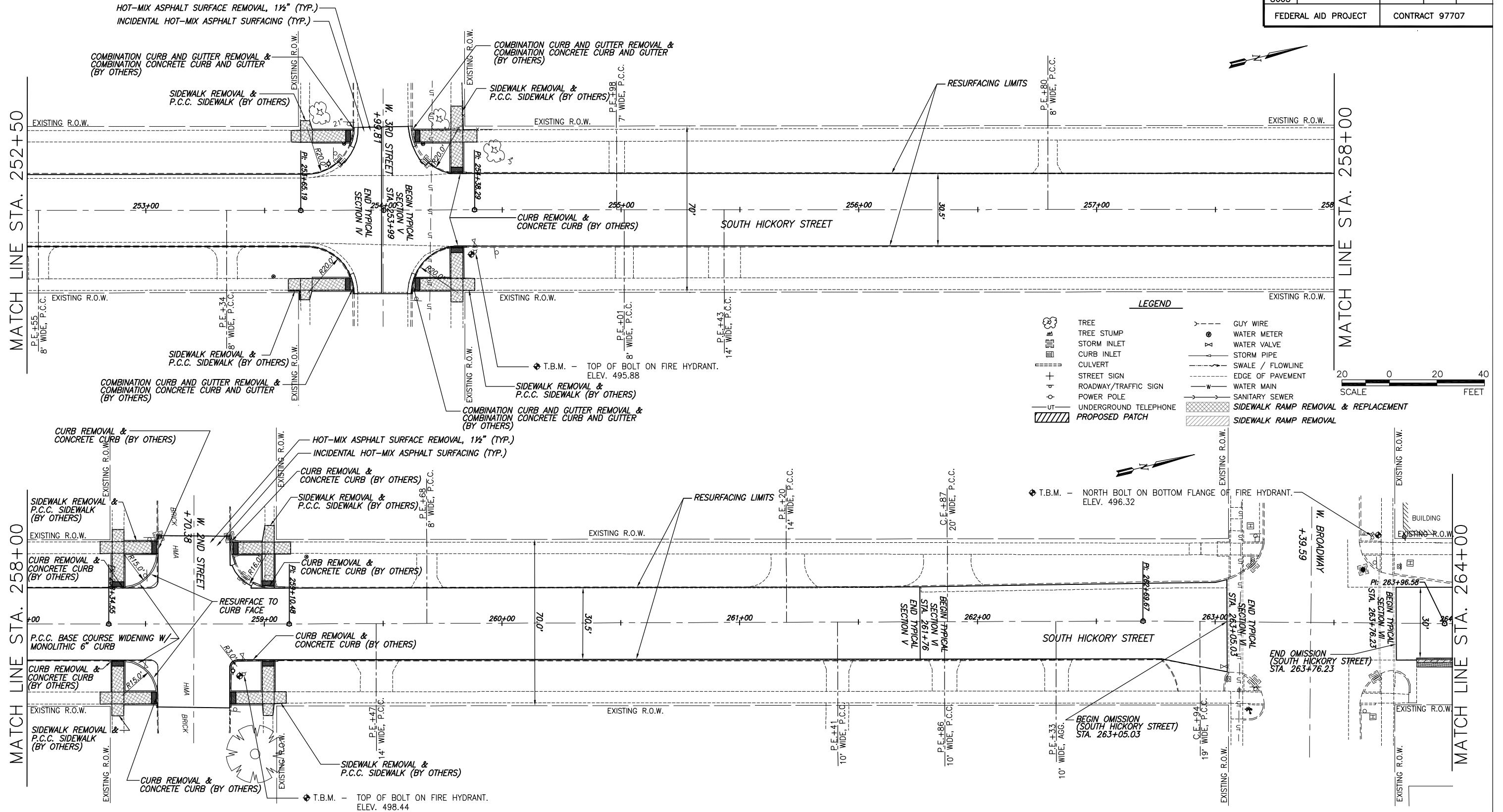


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	16
FEDERAL AID PROJECT		CONTRACT 97707		



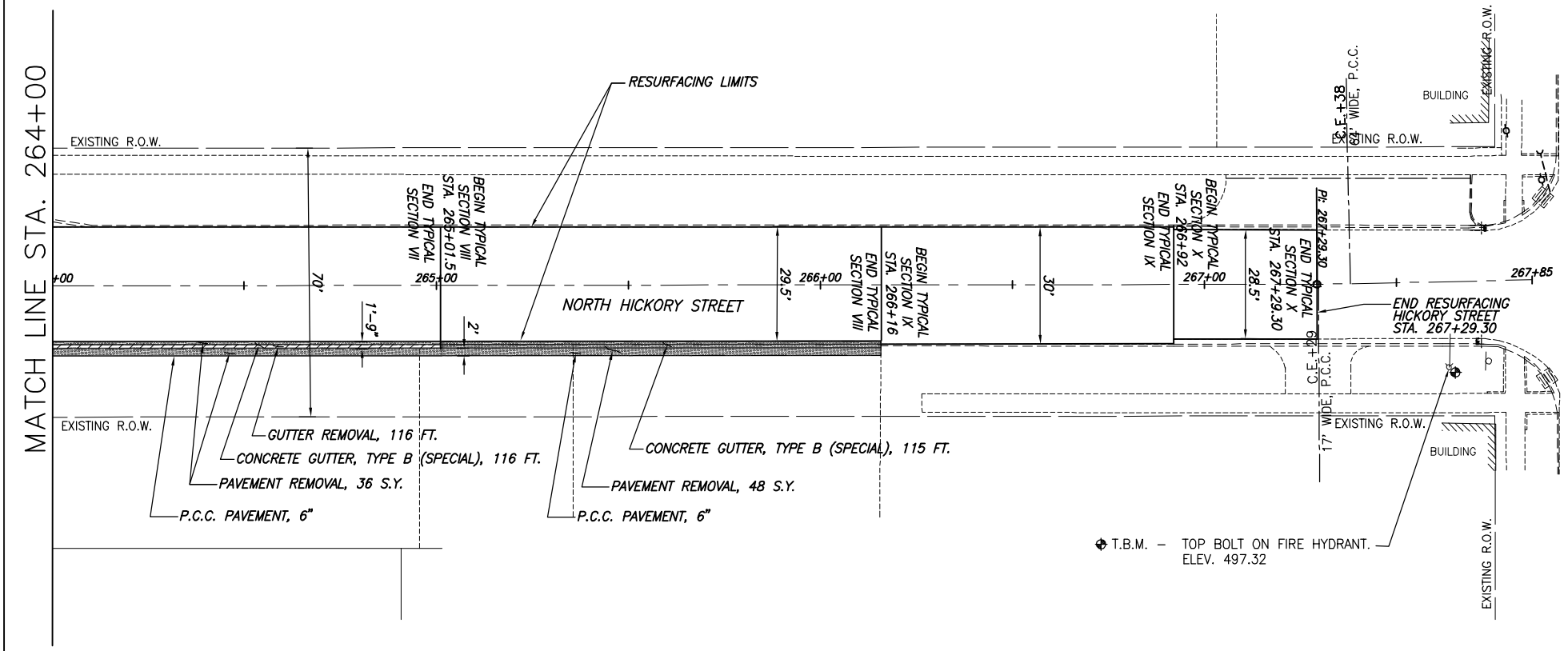
ROADWAY PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	17
FEDERAL AID PROJECT		CONTRACT 97707		

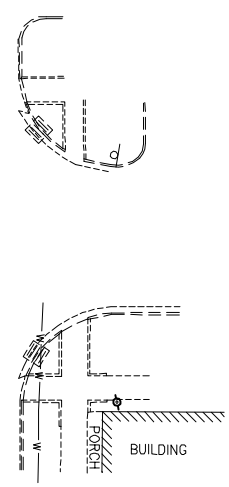


ROADWAY PLAN HICKORY STREET / 16TH STREET RESURFACING SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	18
FEDERAL AID PROJECT		CONTRACT 97707		



W. NOLEMAN STREET

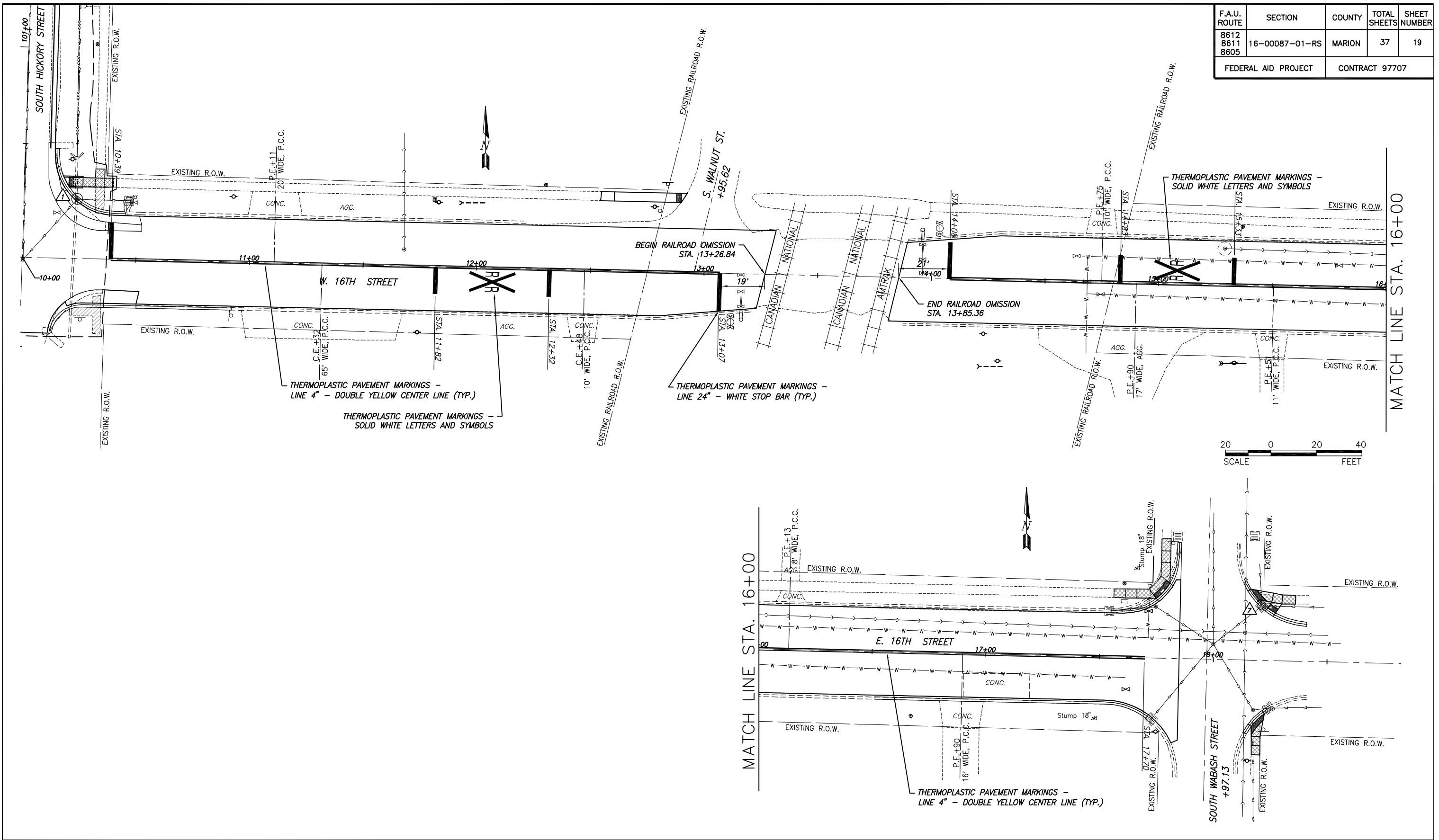


LEGEND

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

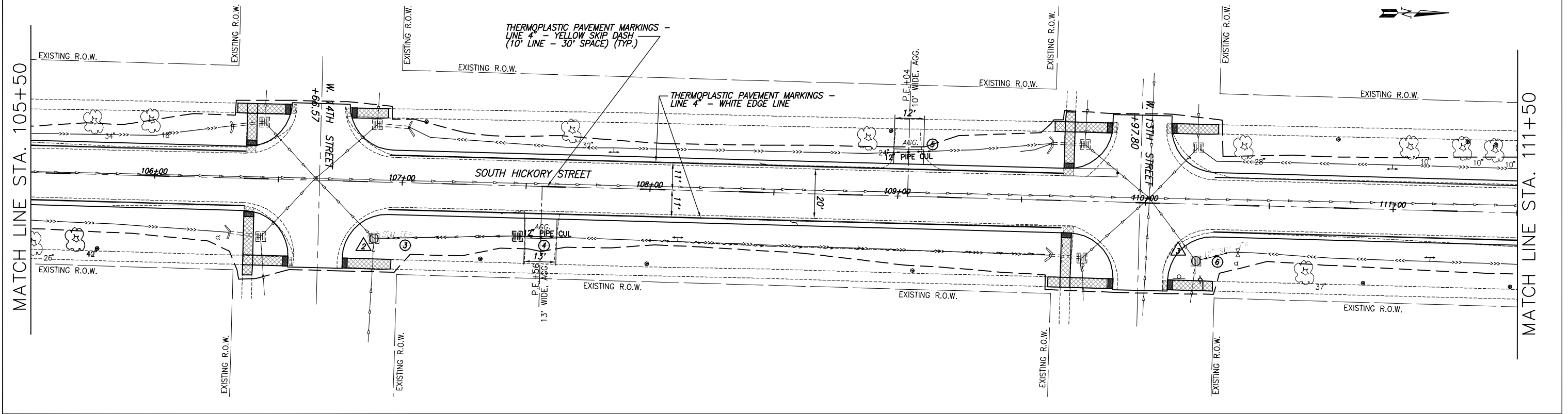
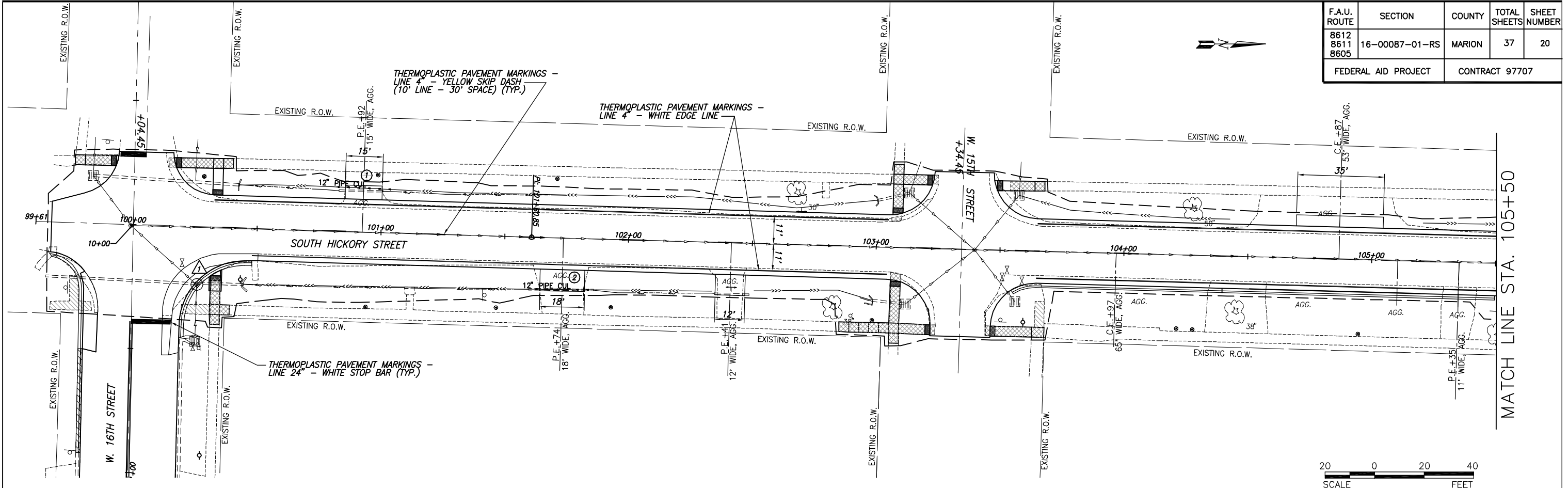
⊕ T.B.M. - TOP BOLT ON FIRE HYDRANT.
ELEV. 497.32

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	19
FEDERAL AID PROJECT		CONTRACT 97707		



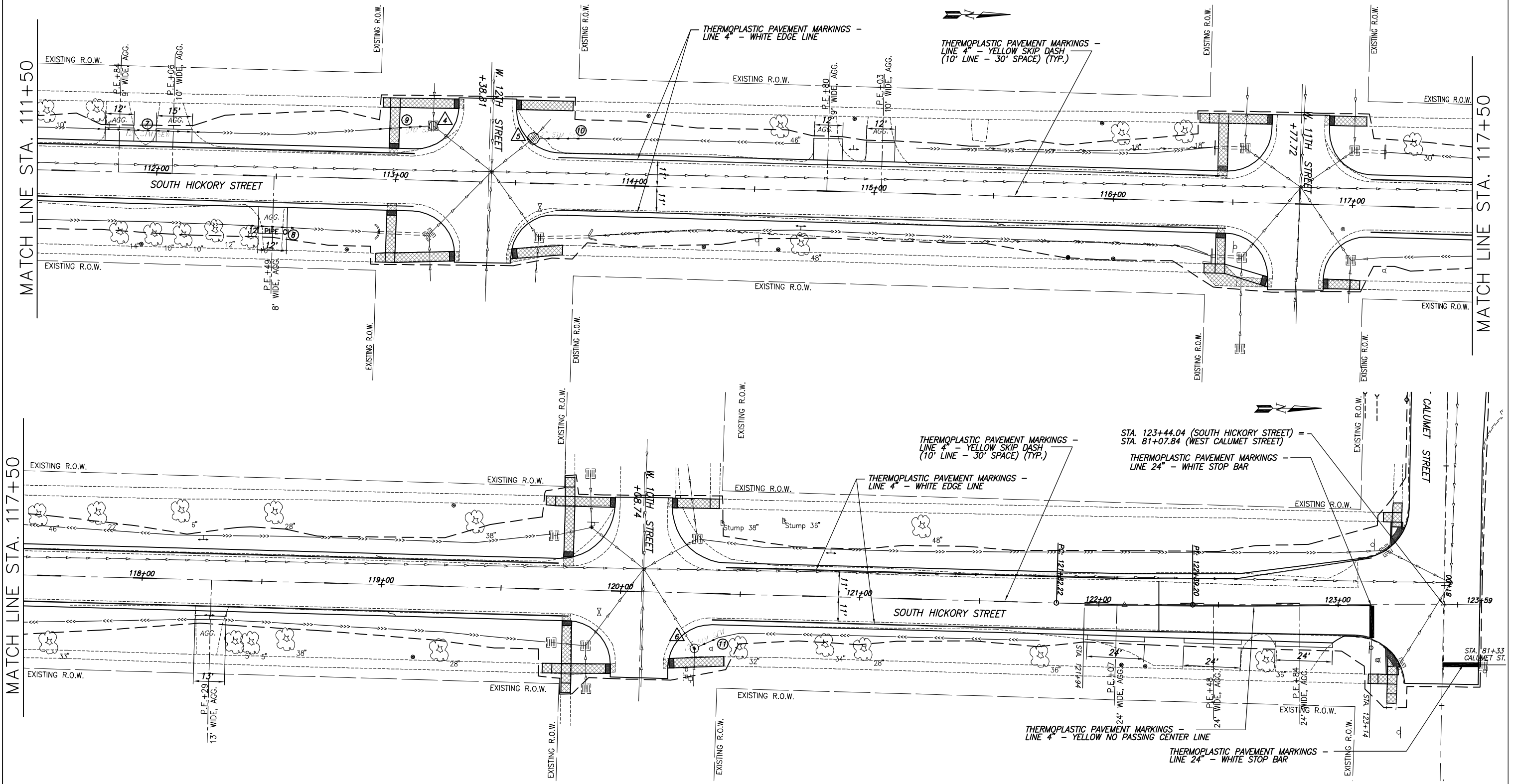
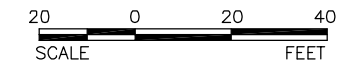
PAVEMENT MARKING PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	20
FEDERAL AID PROJECT		CONTRACT 97707		



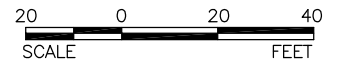
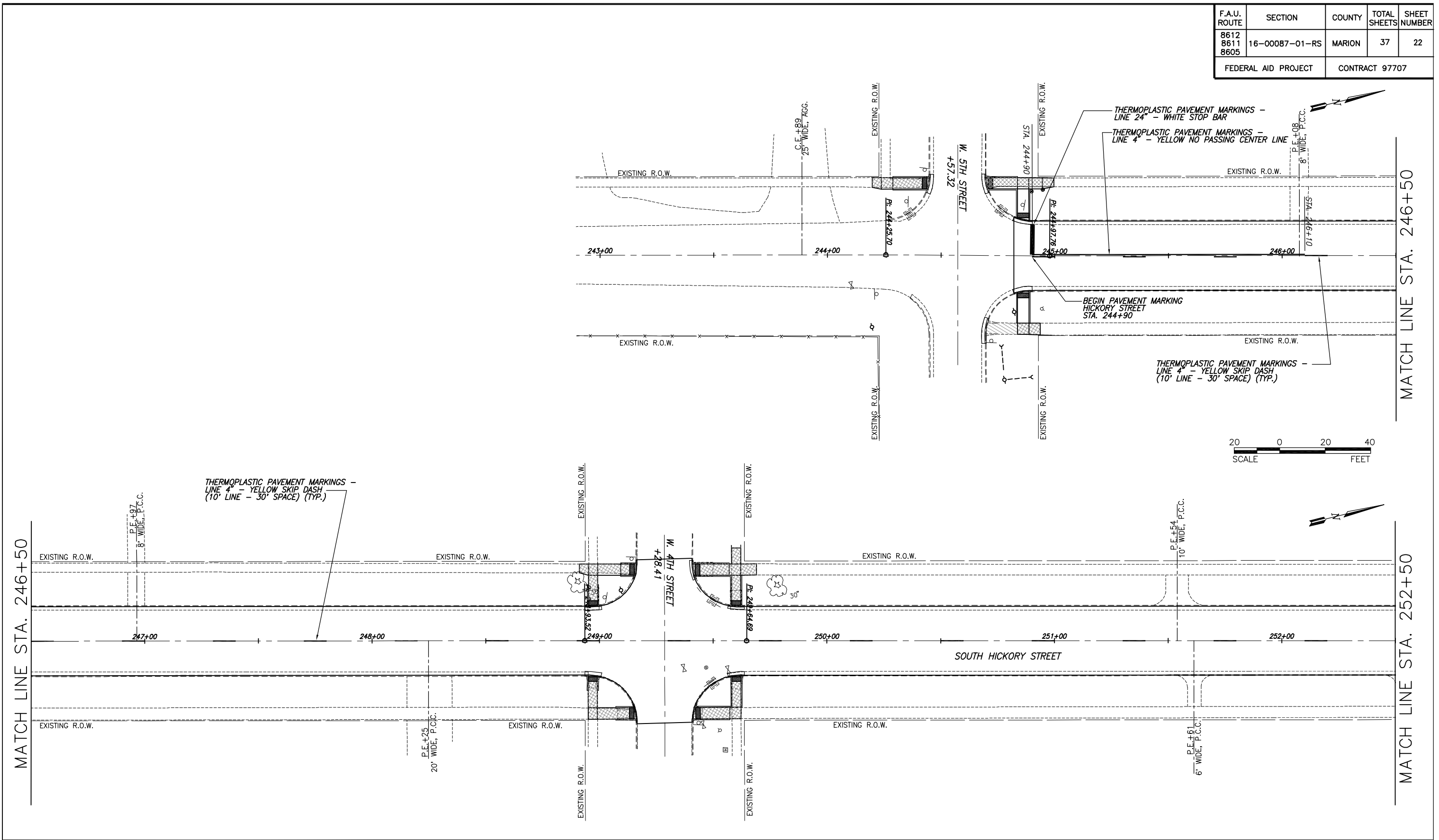
PAVEMENT MARKING PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	21
FEDERAL AID PROJECT		CONTRACT 97707		



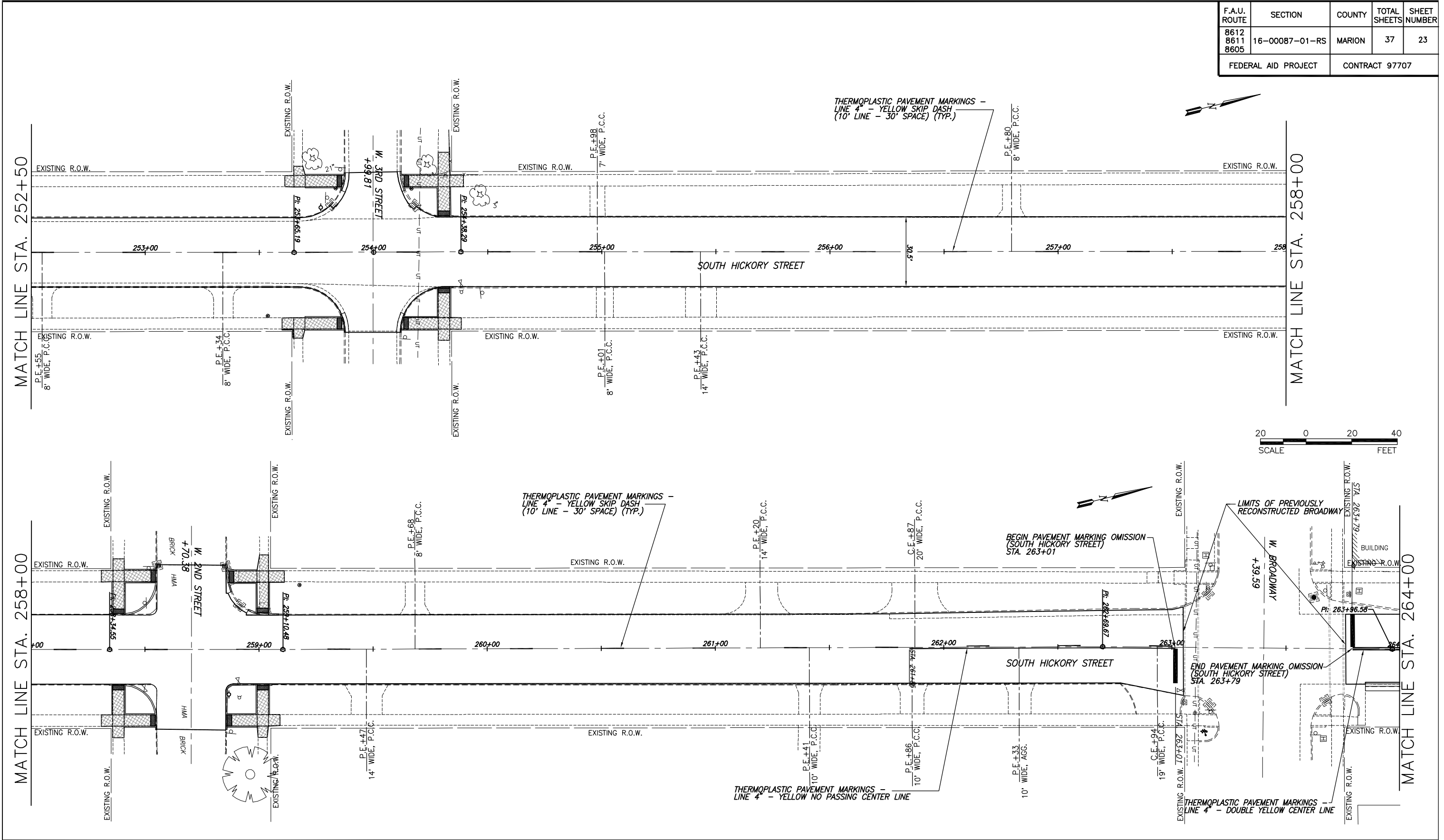
PAVEMENT MARKING PLAN HICKORY STREET / 16TH STREET RESURFACING SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	22
FEDERAL AID PROJECT		CONTRACT 97707		



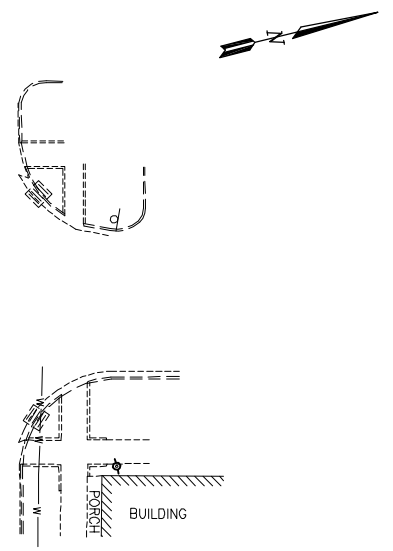
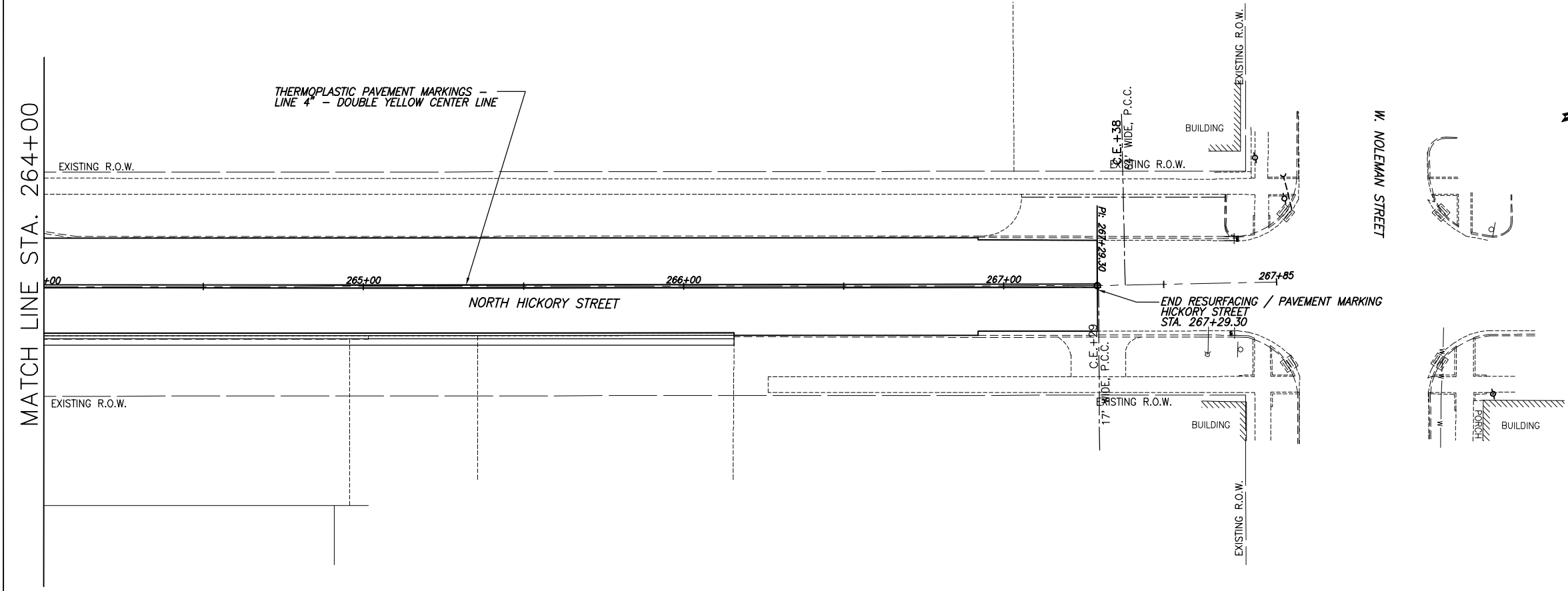
PAVEMENT MARKING PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	23
FEDERAL AID PROJECT		CONTRACT 97707		

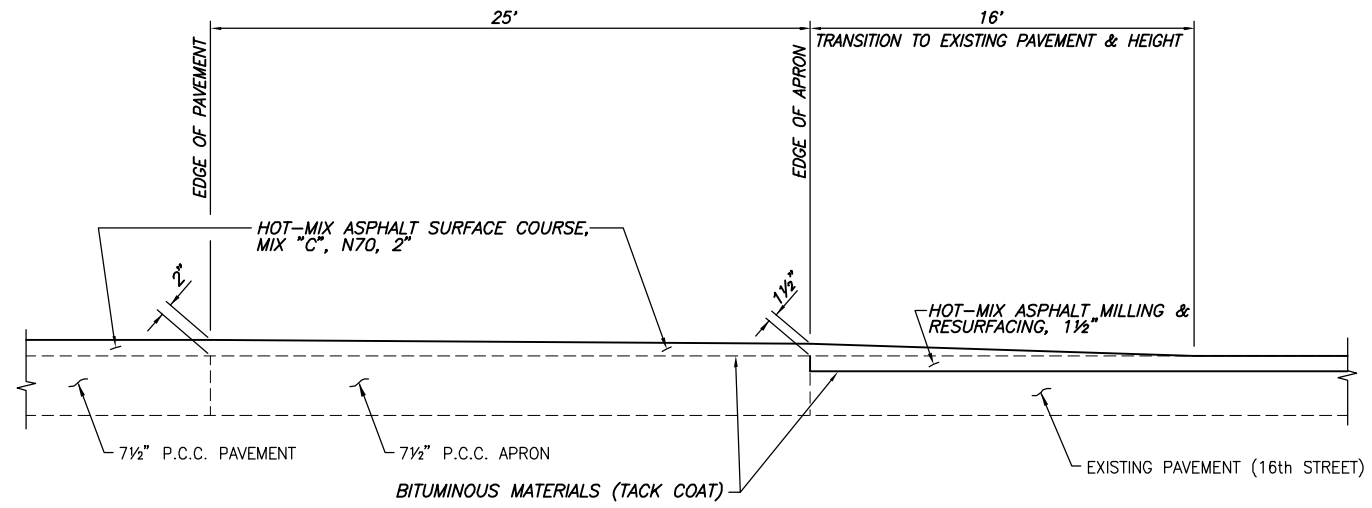


PAVEMENT MARKING PLAN HICKORY STREET / 16TH STREET RESURFACING
SECTION 16-00087-01-RS MARION COUNTY, ILLINOIS

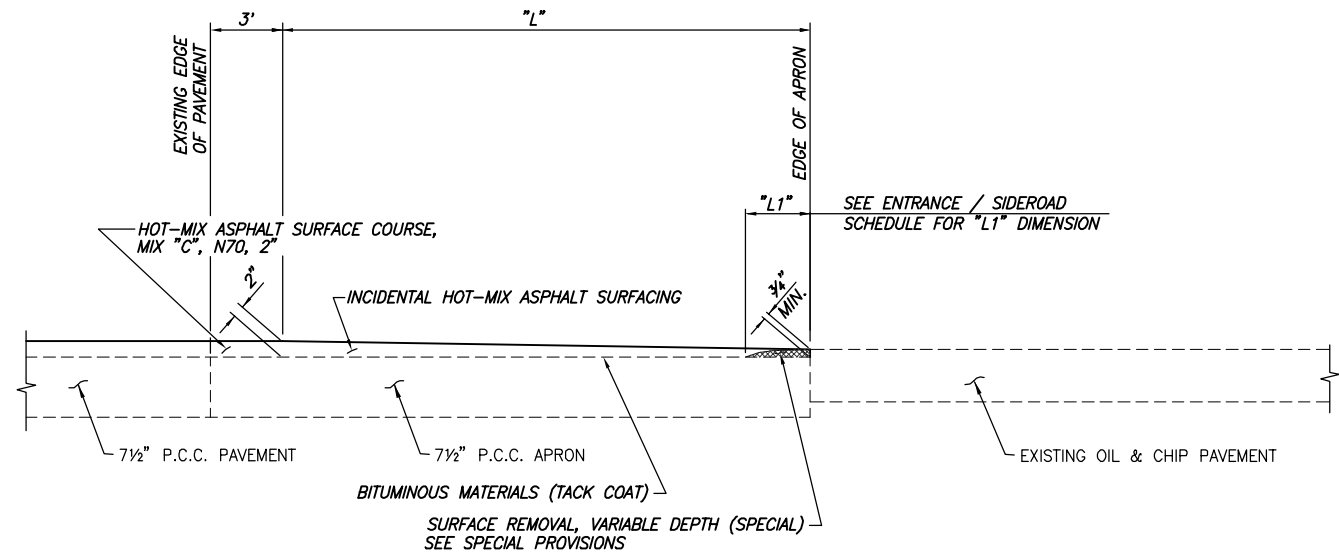
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	24
FEDERAL AID PROJECT		CONTRACT 97707		



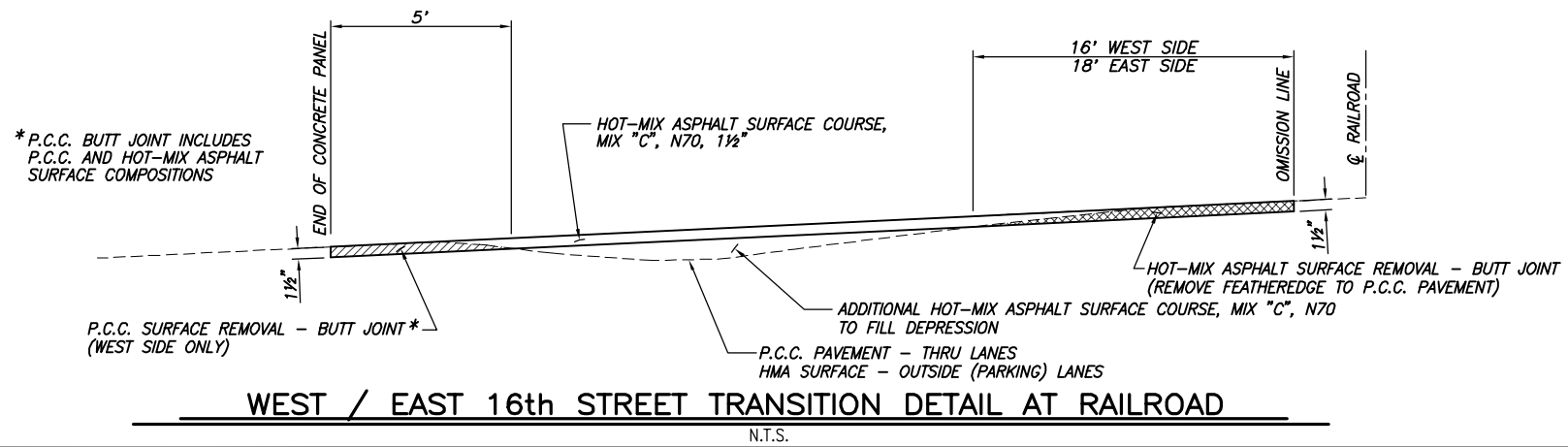
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	25
FEDERAL AID PROJECT			CONTRACT 97707	



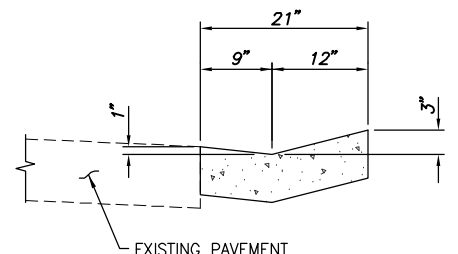
HICKORY / 16th STREET RESURFACING TRANSITION
N.T.S.



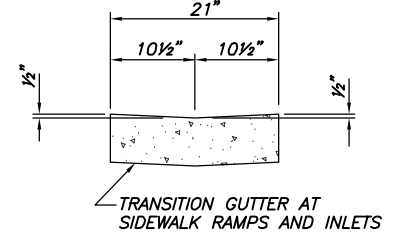
HICKORY STREET SIDE STREET TRANSITIONS (10th to 15th STREET)
N.T.S.



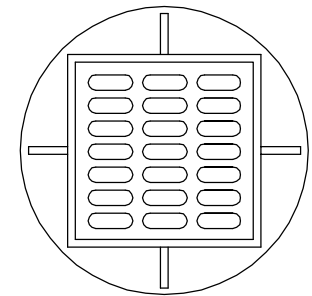
WEST / EAST 16th STREET TRANSITION DETAIL AT RAILROAD
N.T.S.



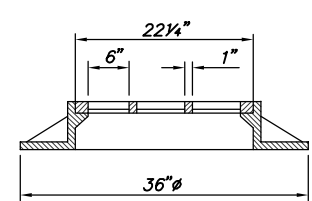
TYPE B GUTTER (SPECIAL)
N.T.S.



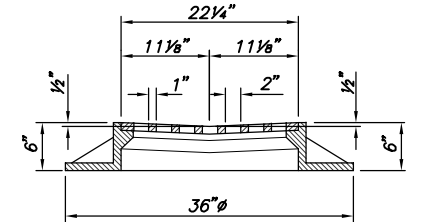
TYPE B GUTTER TRANSITION
N.T.S.



PLAN VIEW

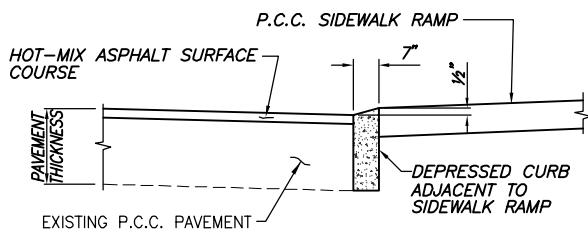


FRONT ELEVATION

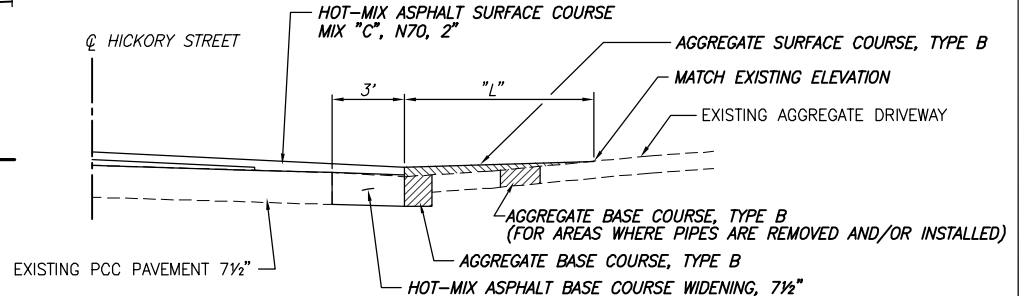


SIDE ELEVATION

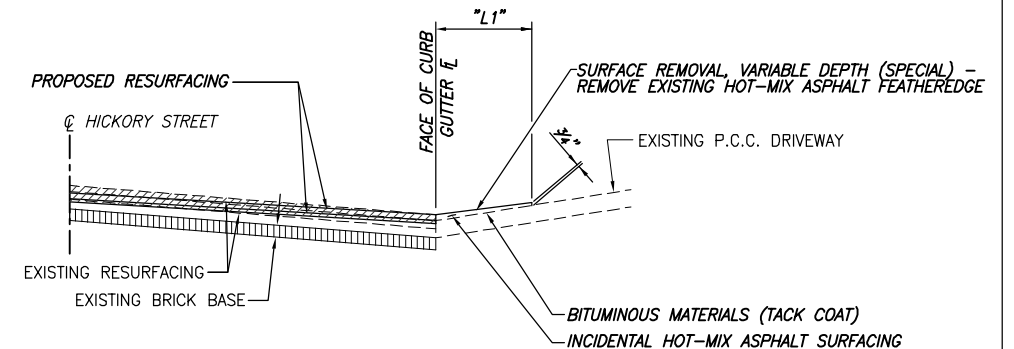
INLET FRAME AND GRATE (SPECIAL)
N.T.S.



DEPRESSED CURB DETAIL
N.T.S.

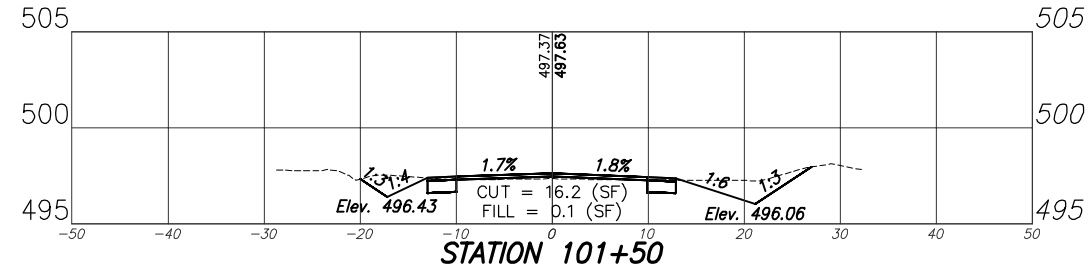
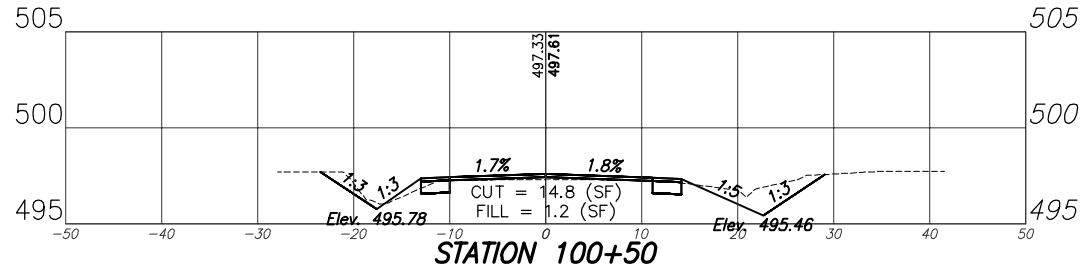
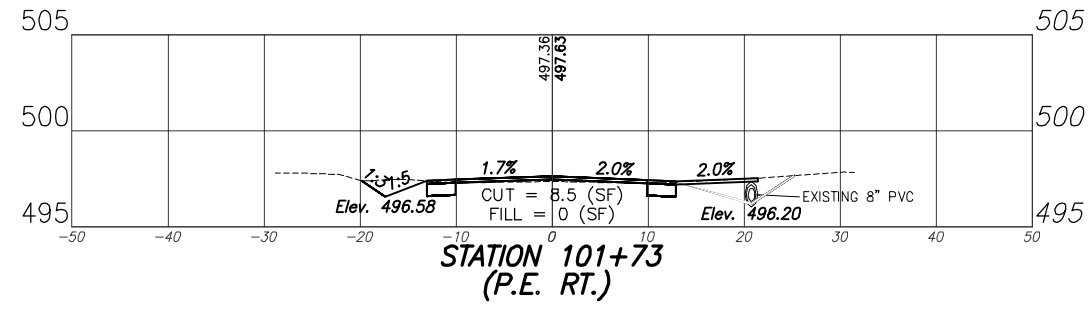
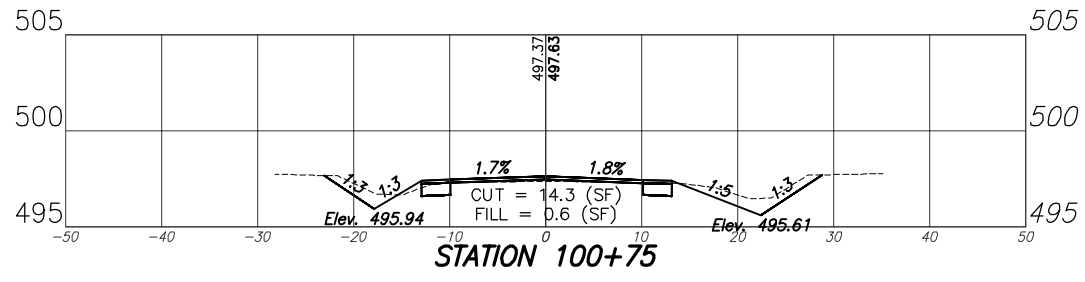


ENTRANCE TRANSITION
STA. 99+67 TO 123+29
N.T.S.

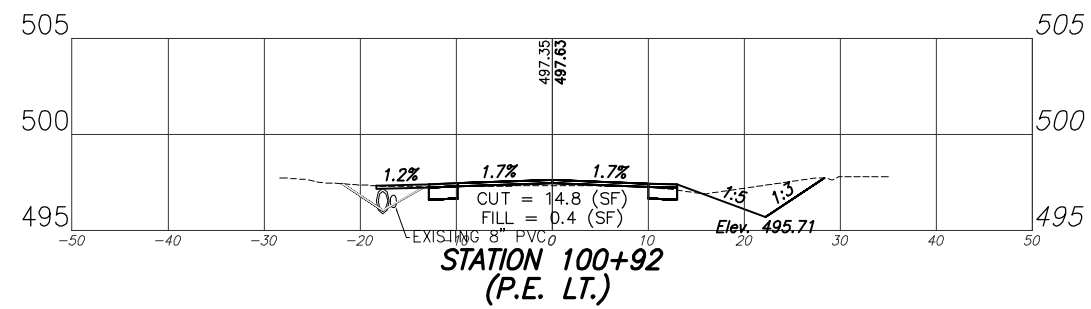
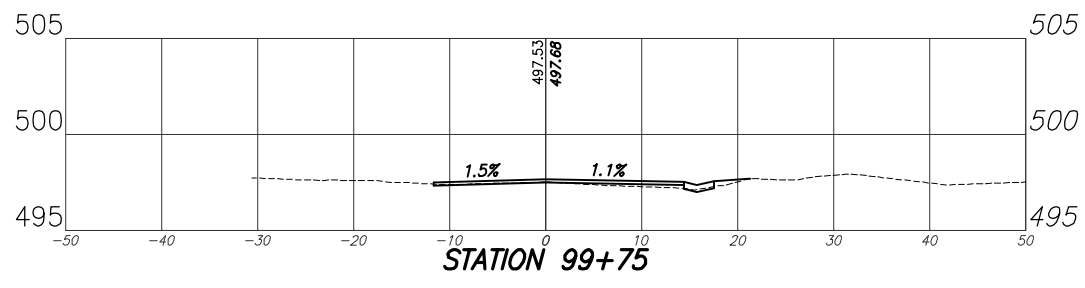
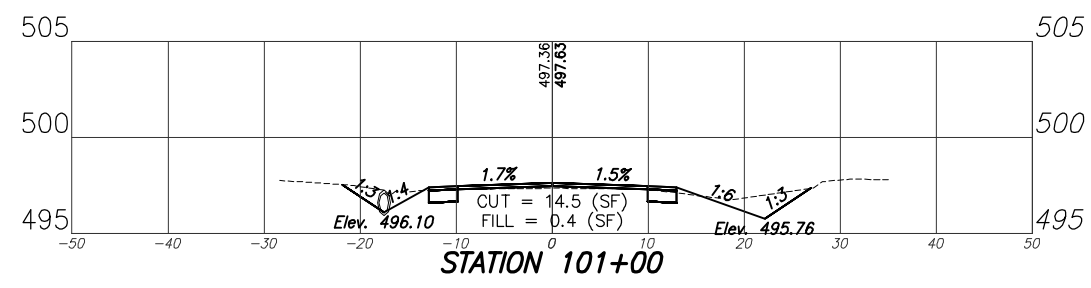
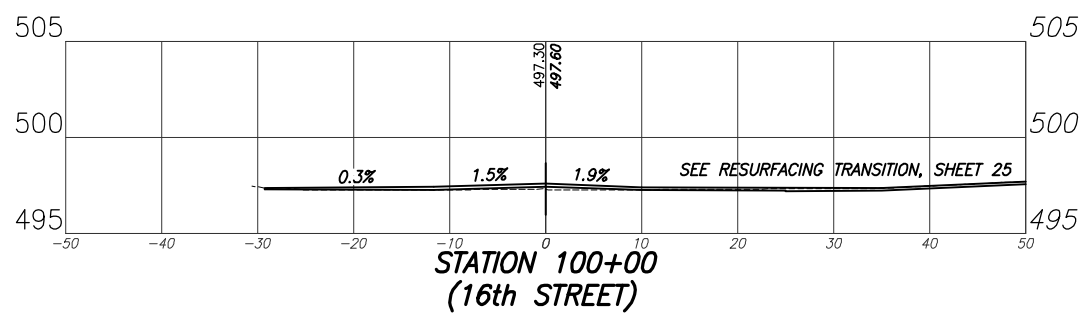
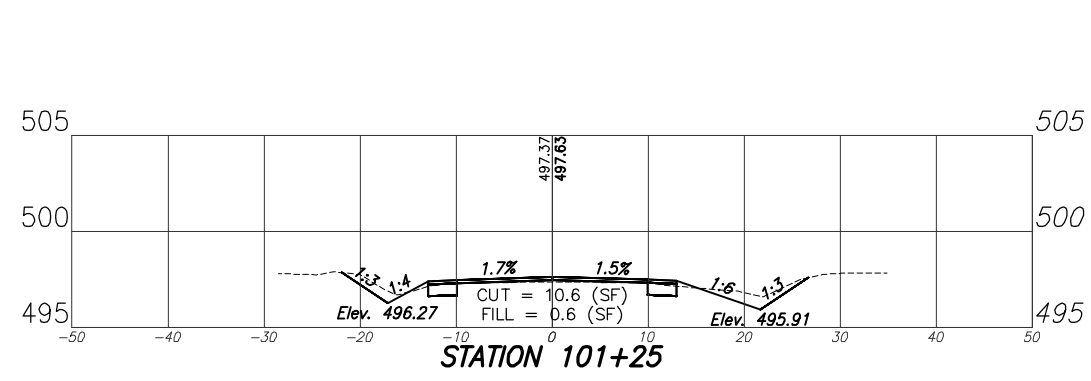
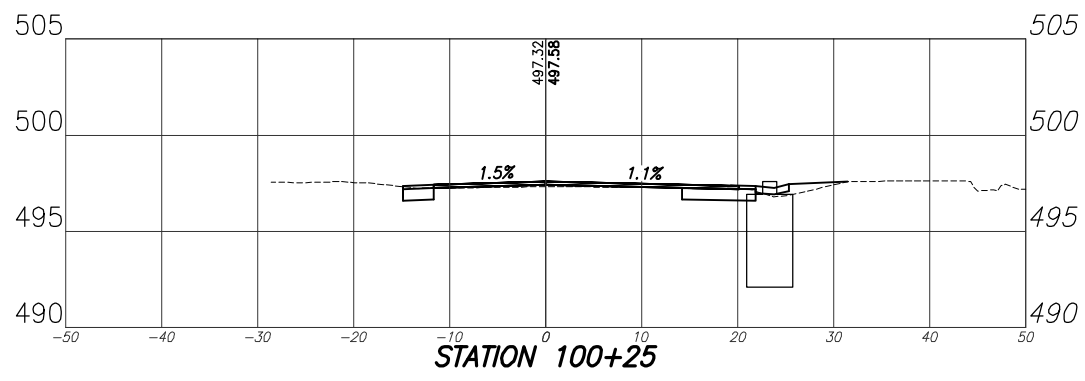


ENTRANCE TRANSITION
STA. 253+99 TO 263+05
N.T.S.

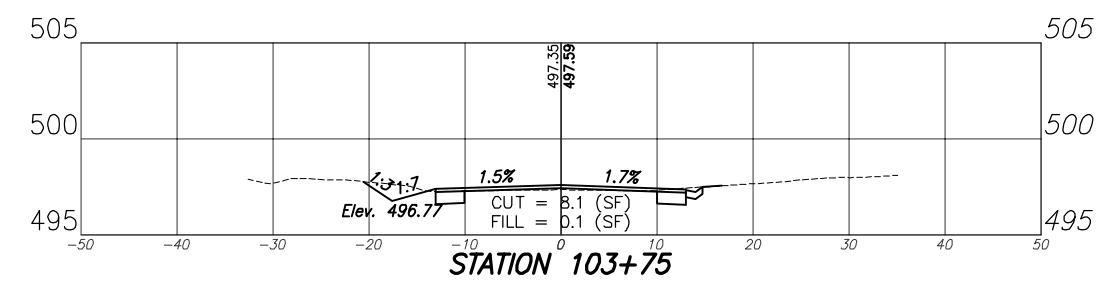
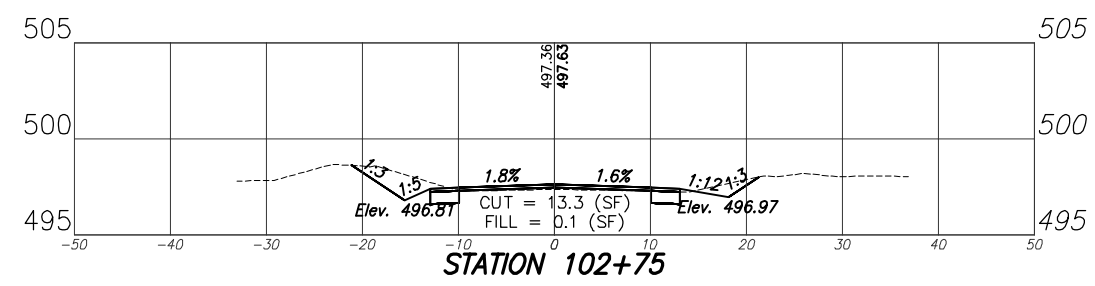
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	26
FEDERAL AID PROJECT		CONTRACT 97707		



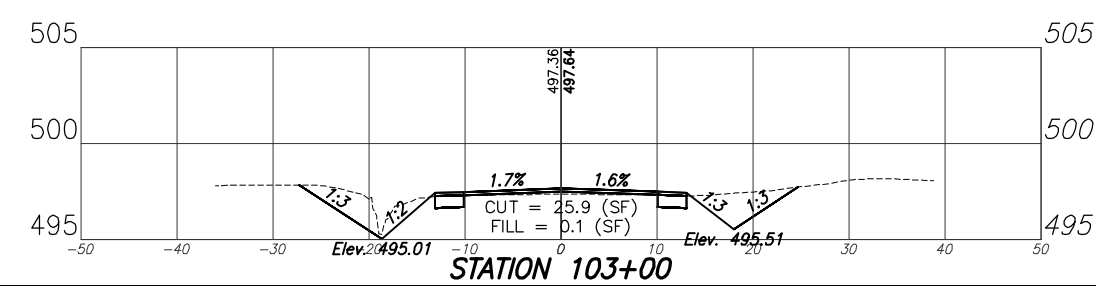
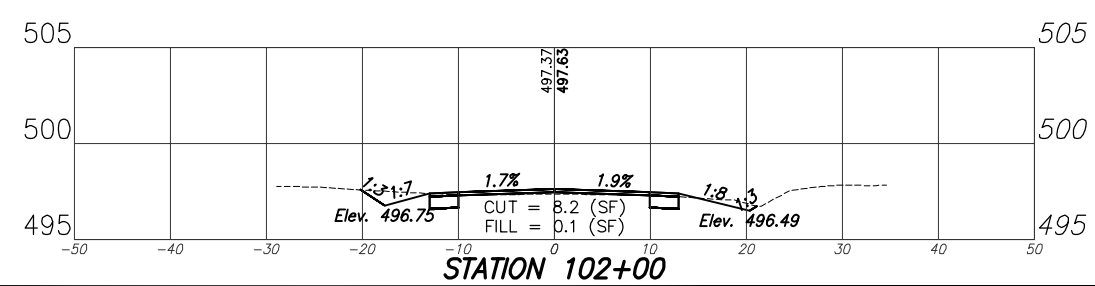
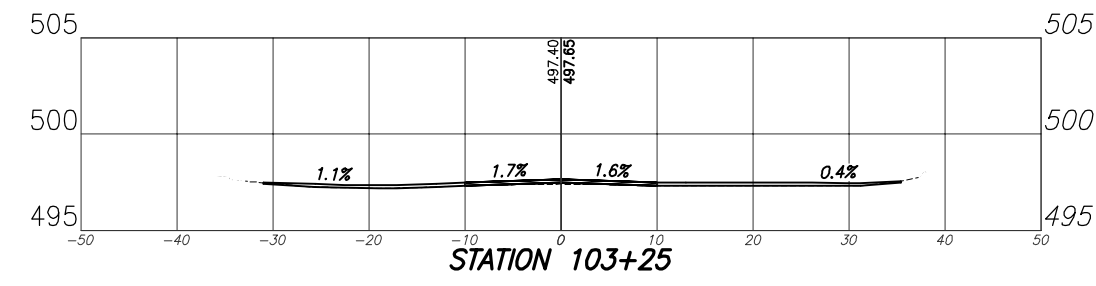
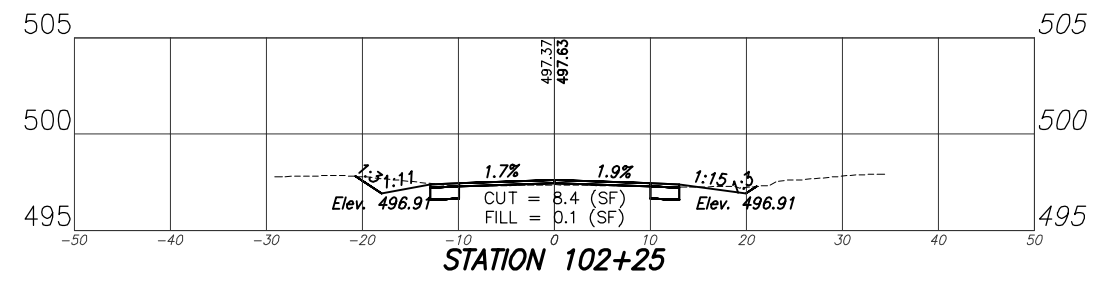
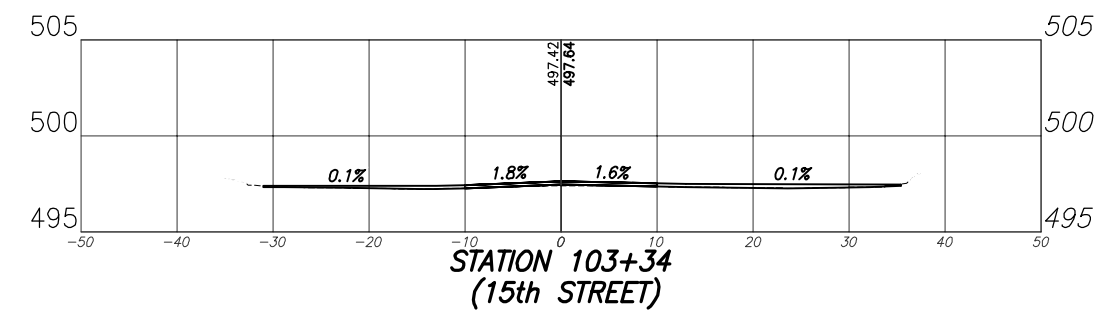
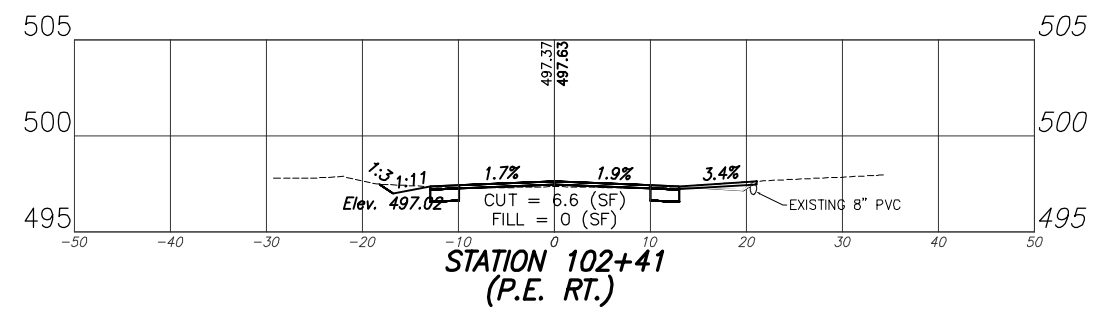
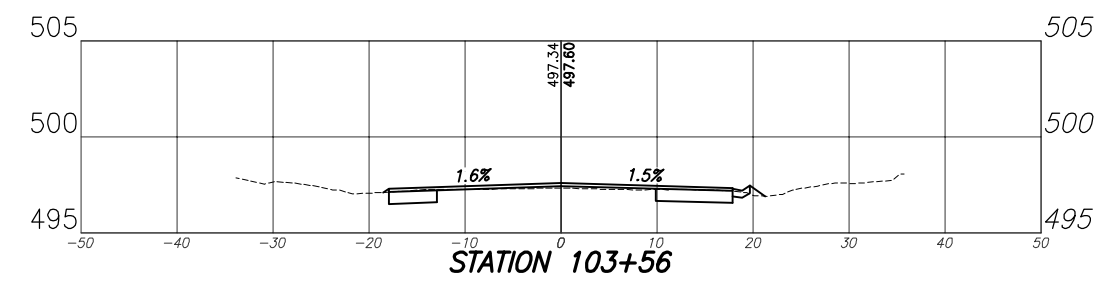
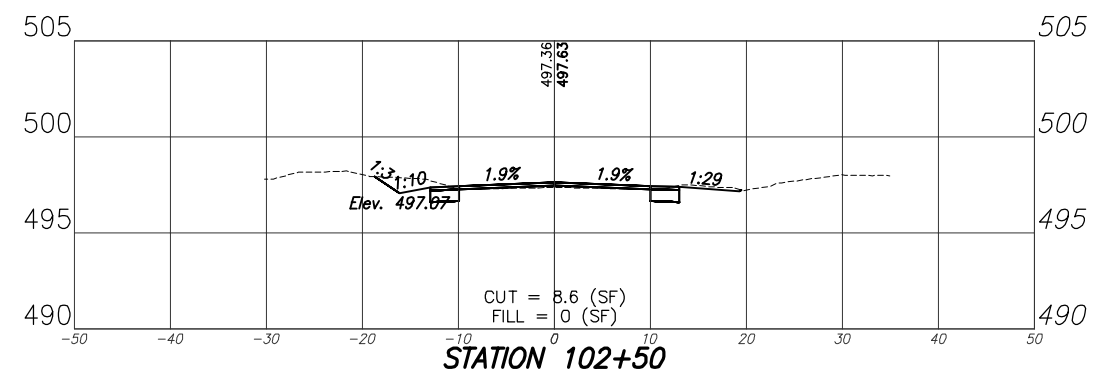
NOTE: SHOULDER TO MATCH MAINLINE CROSS SLOPE.



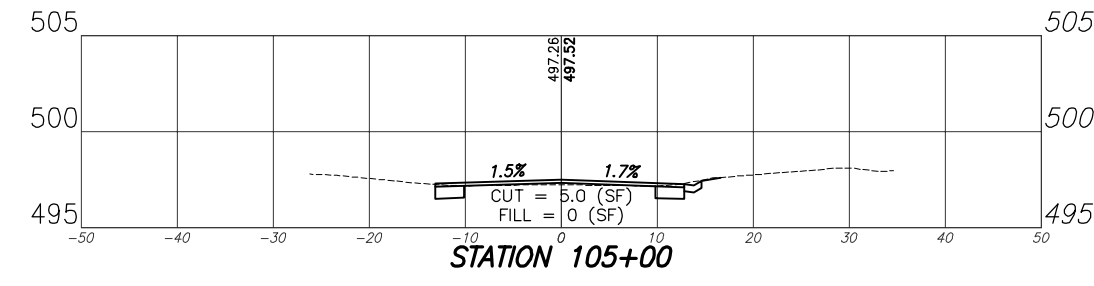
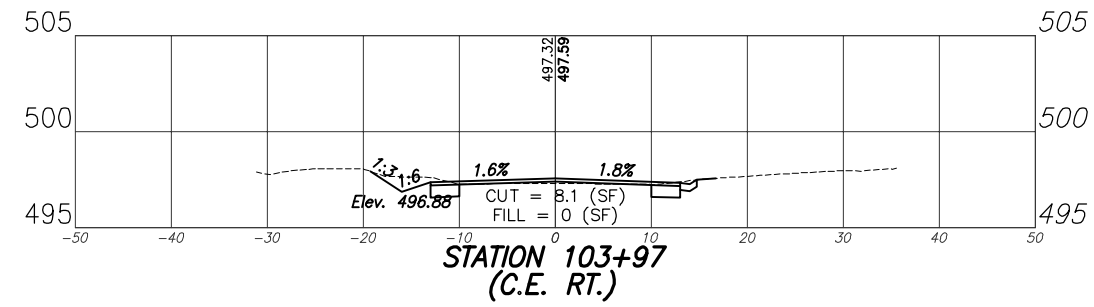
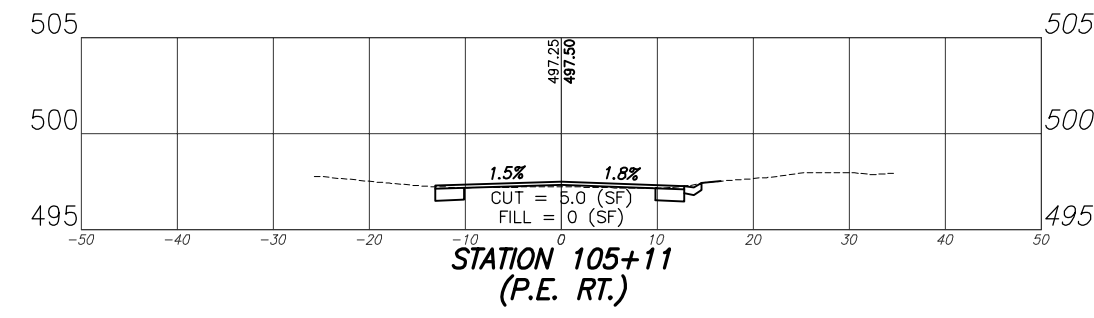
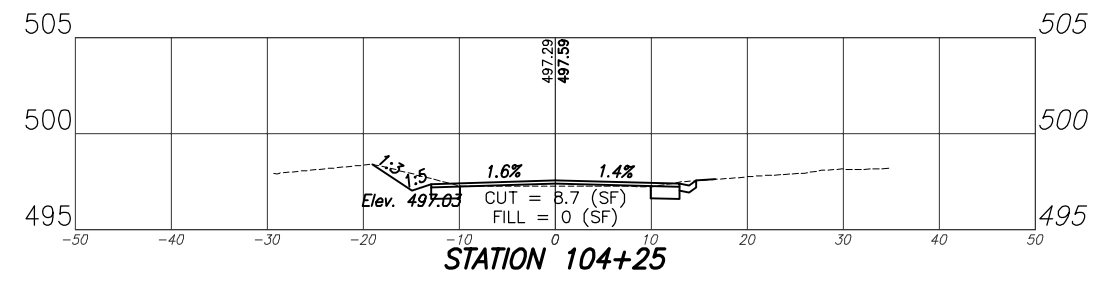
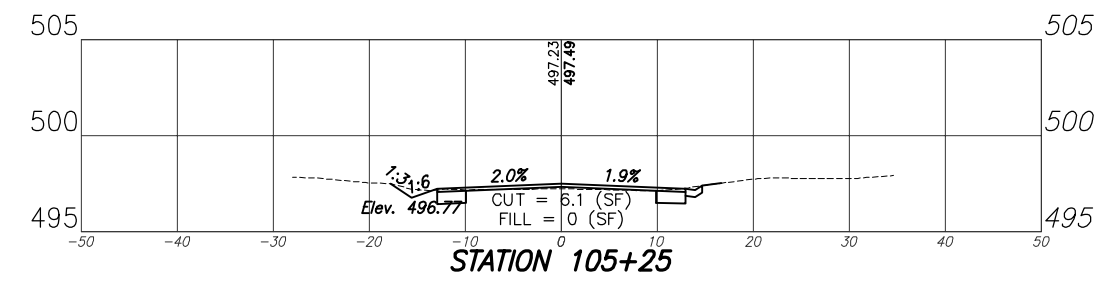
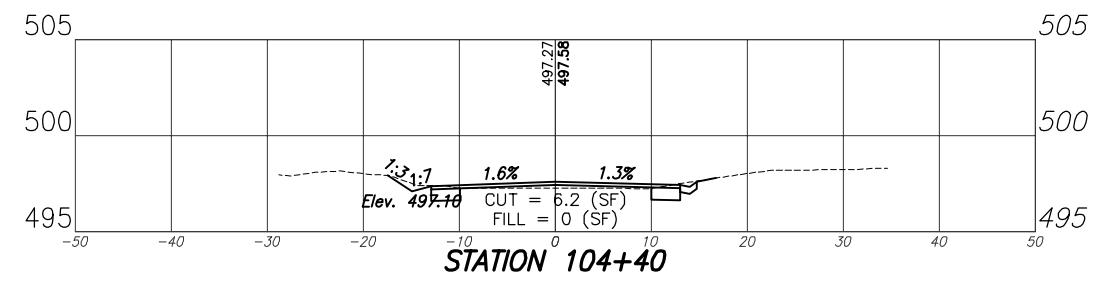
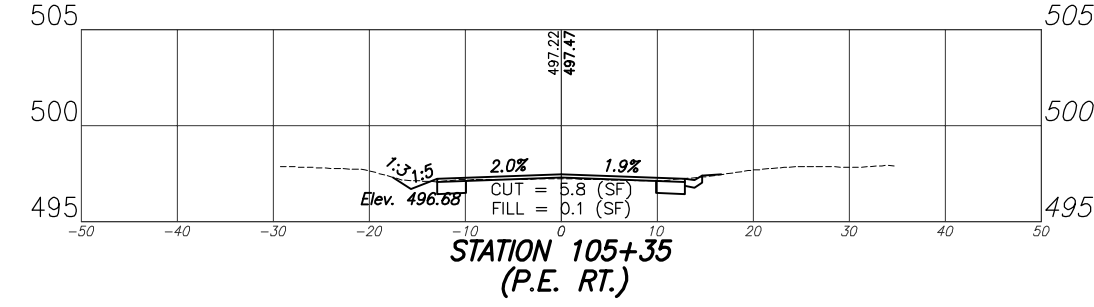
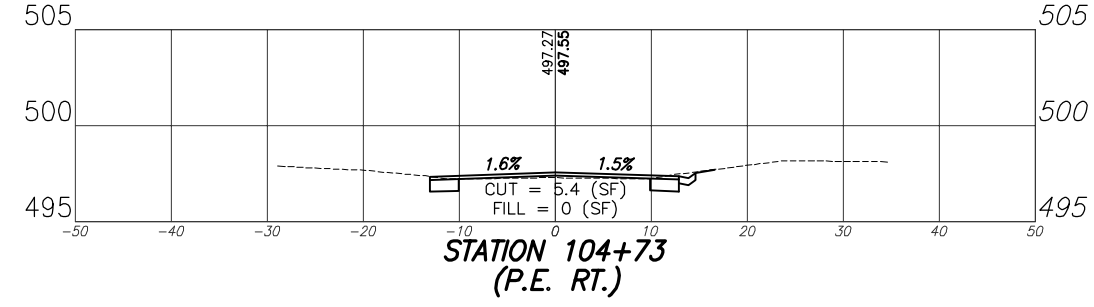
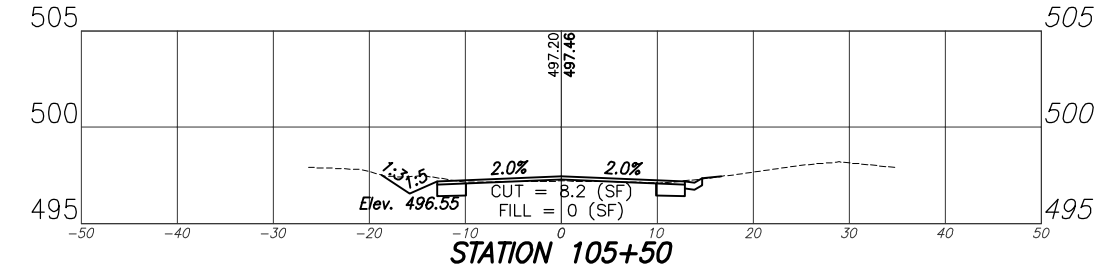
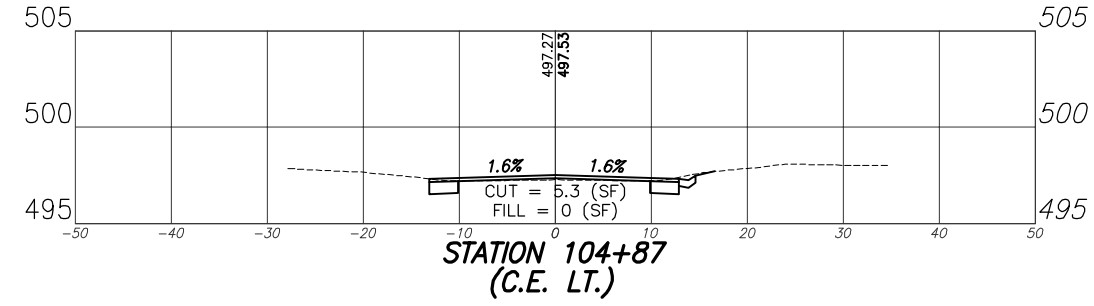
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	27
FEDERAL AID PROJECT		CONTRACT 97707		



NOTE:
SHOULDER TO MATCH MAINLINE
CROSS SLOPE.



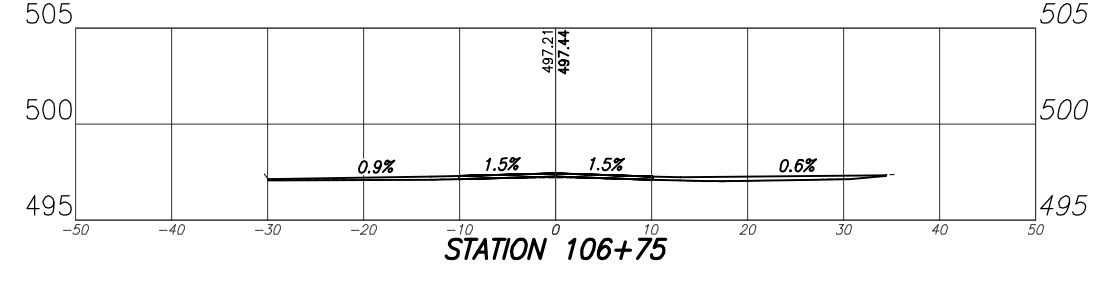
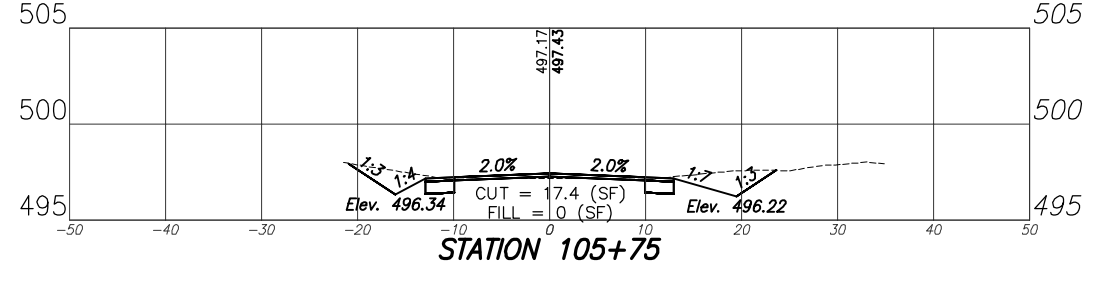
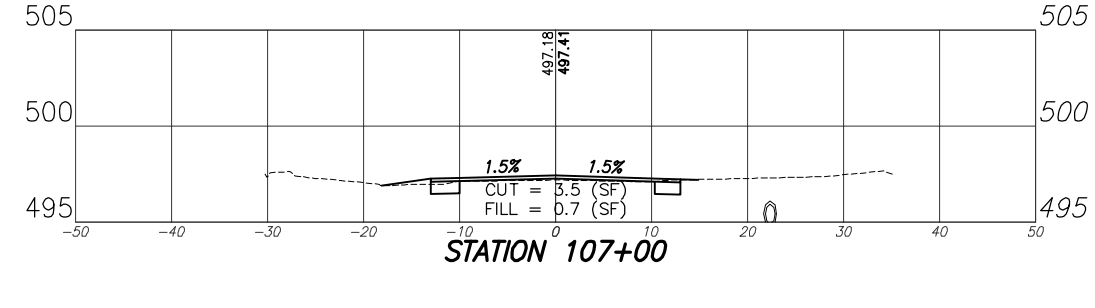
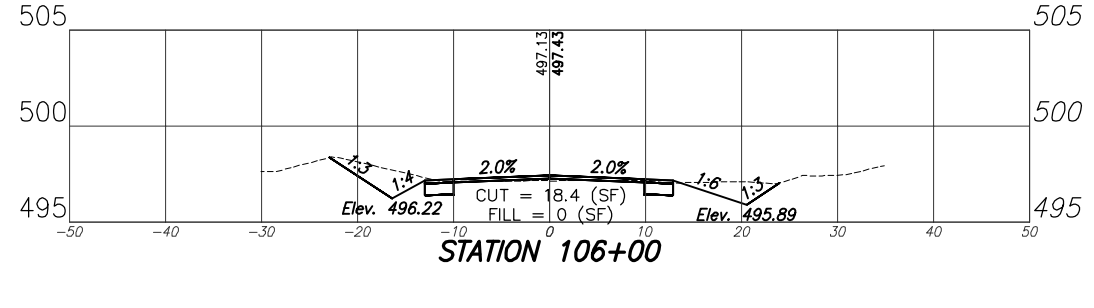
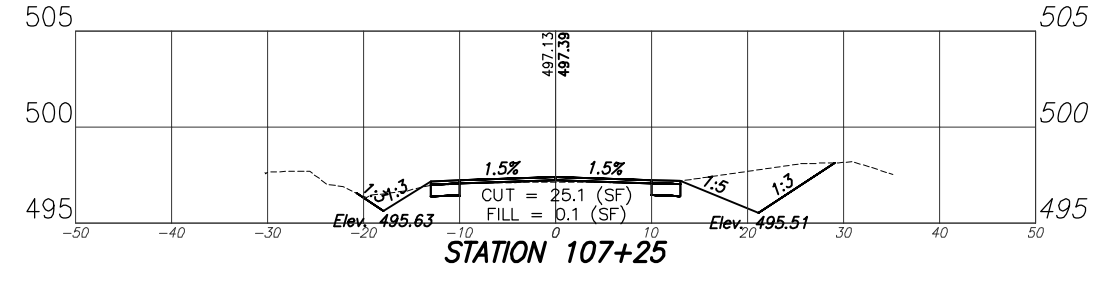
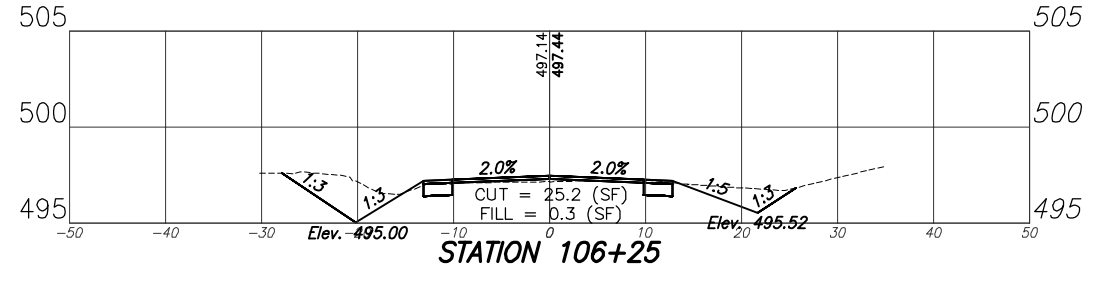
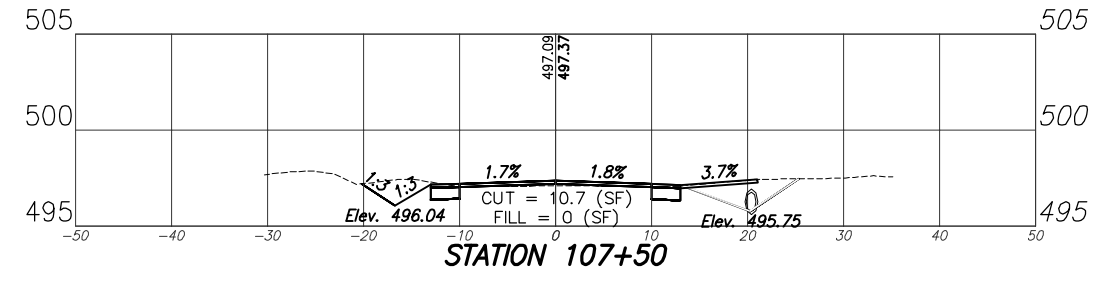
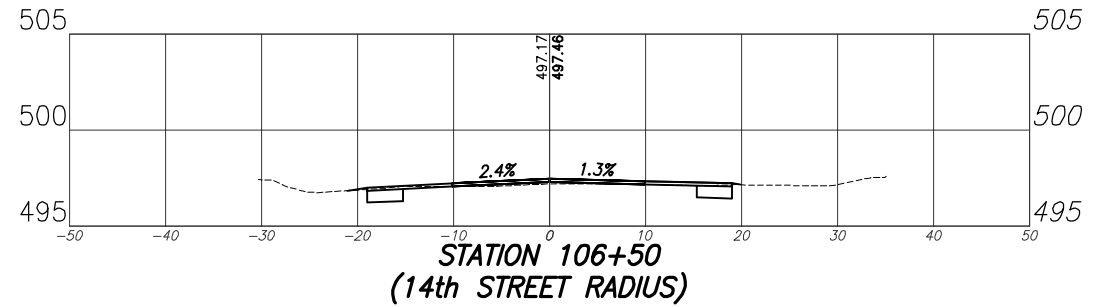
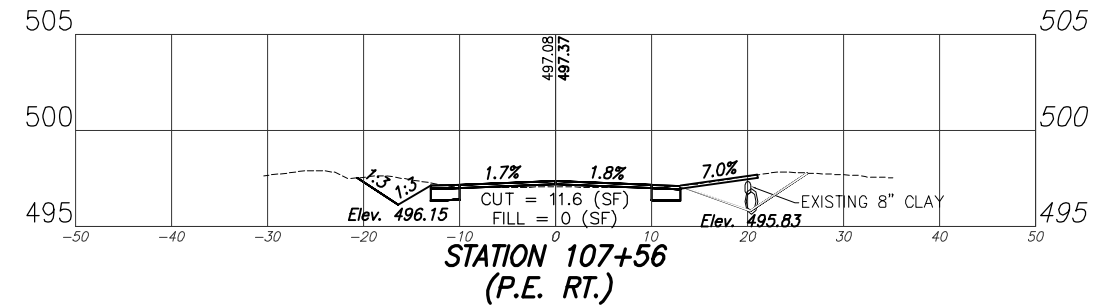
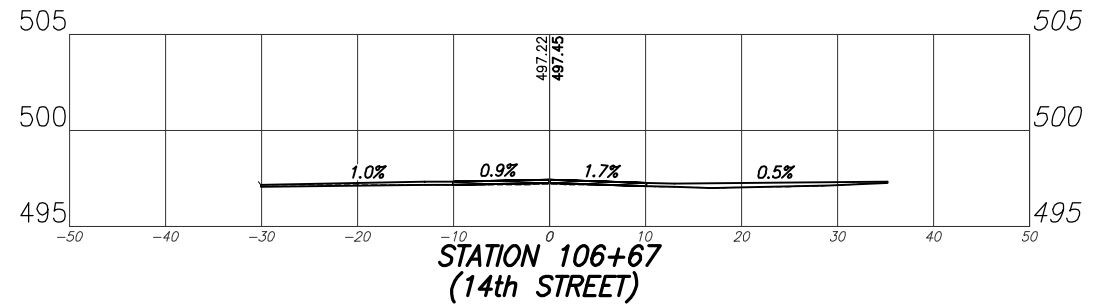
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
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FEDERAL AID PROJECT		CONTRACT 97707		



NOTE: SHOULDER TO MATCH MAINLINE CROSS SLOPE.

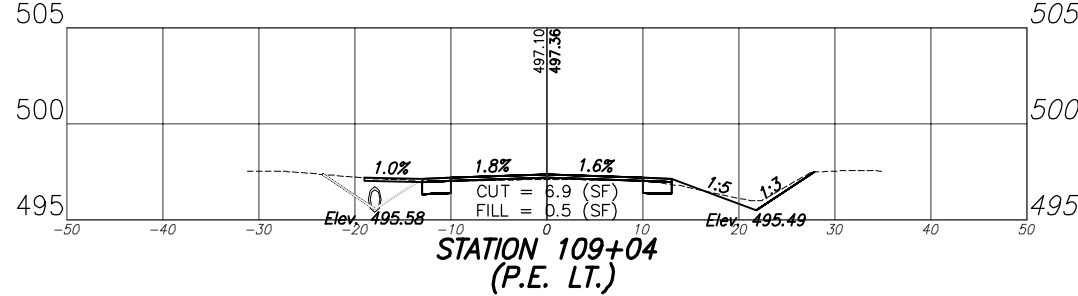
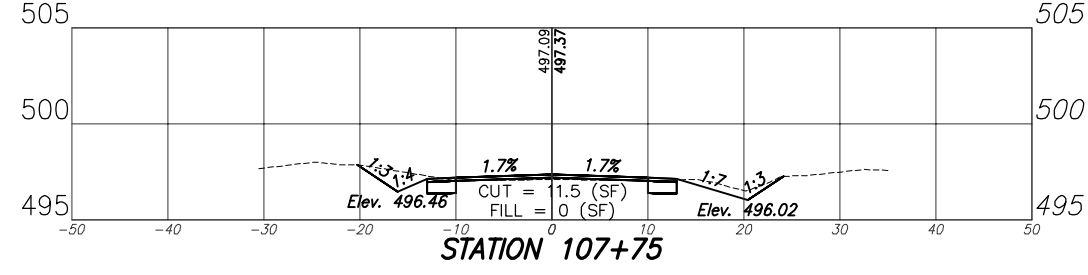
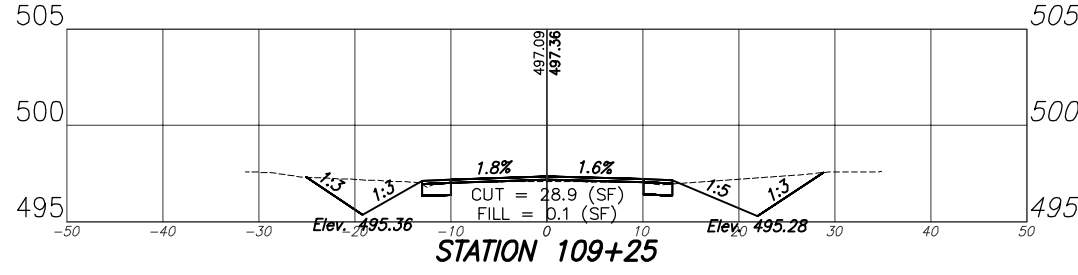
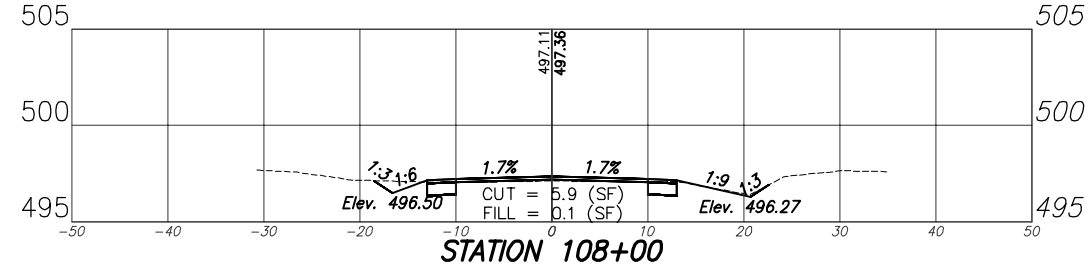
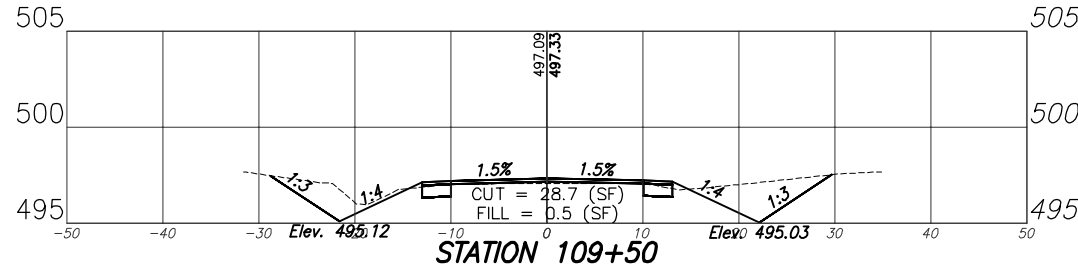
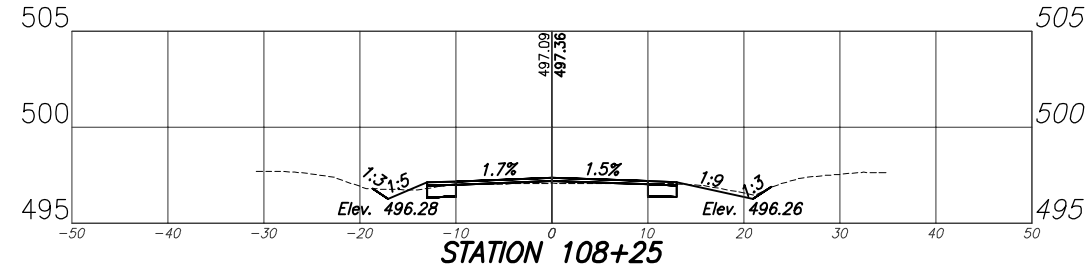
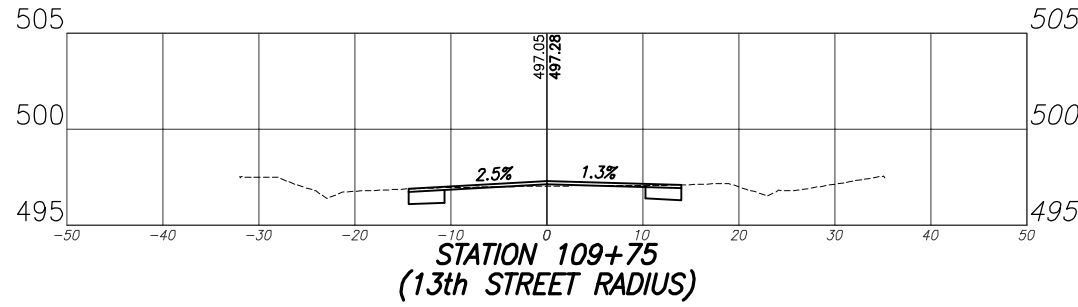
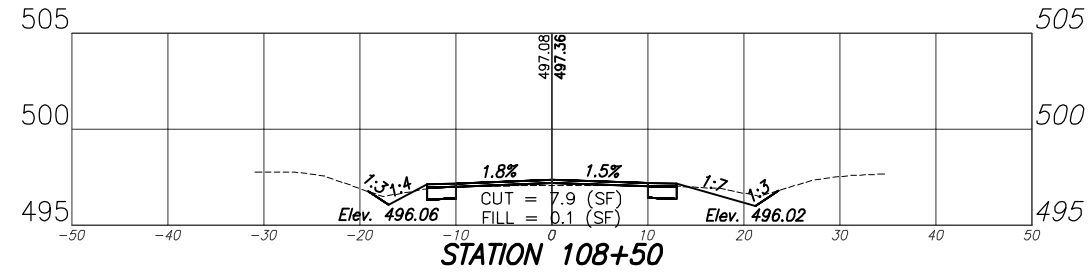
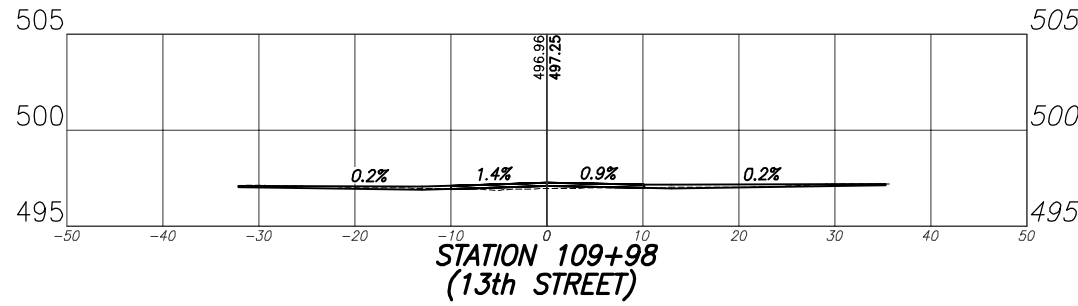
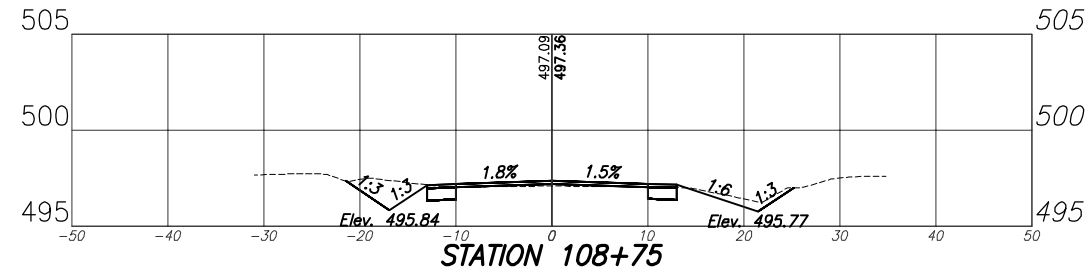
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	29
FEDERAL AID PROJECT		CONTRACT 97707		

NOTE: SHOULDER TO MATCH MAINLINE CROSS SLOPE.



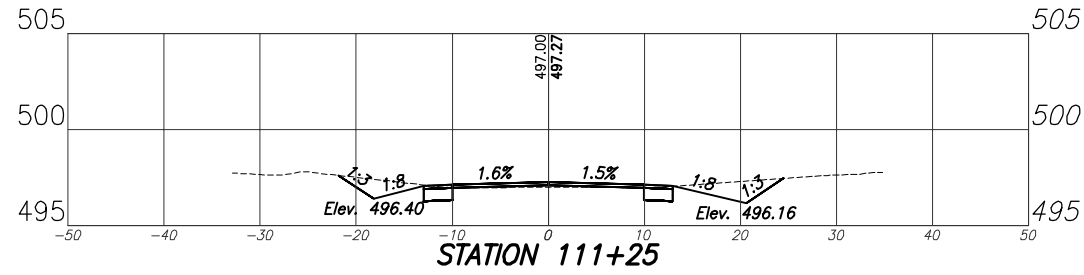
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	30
FEDERAL AID PROJECT		CONTRACT 97707		

NOTE: SHOULDER TO MATCH MAINLINE CROSS SLOPE.

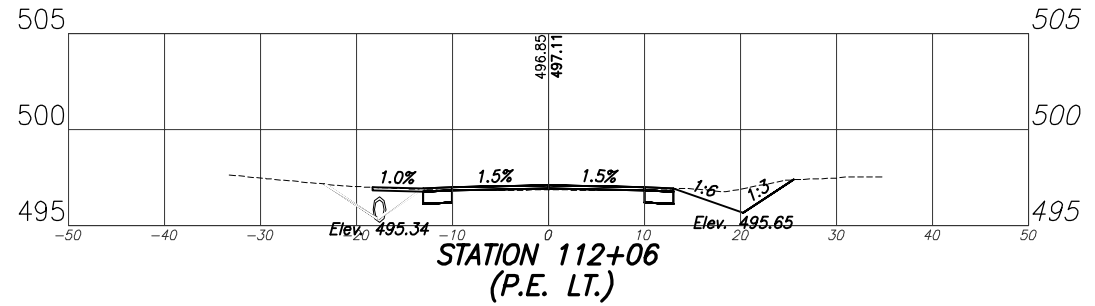


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	31
FEDERAL AID PROJECT		CONTRACT 97707		

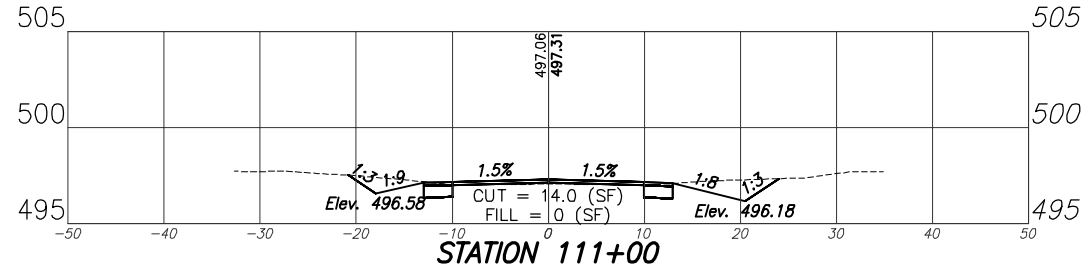
NOTE: SHOULDER TO MATCH MAINLINE CROSS SLOPE.



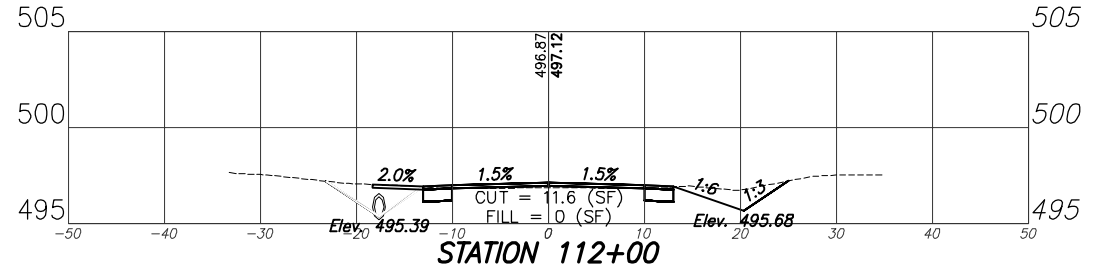
STATION 111+25



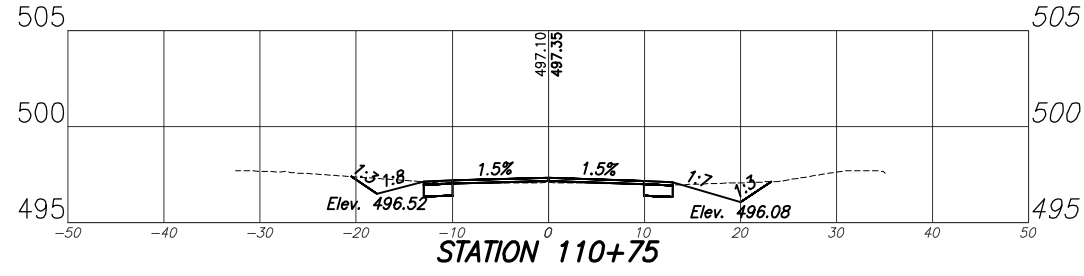
STATION 112+06
(P.E. LT.)



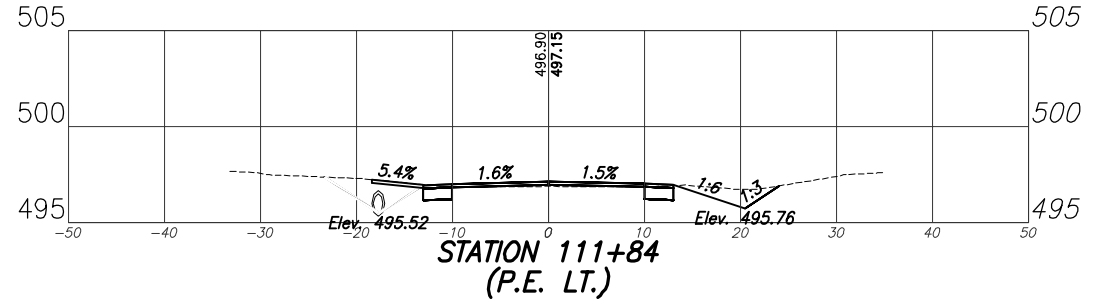
STATION 111+00



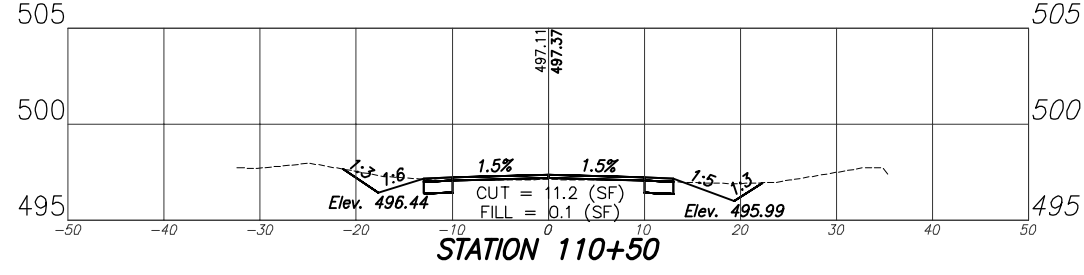
STATION 112+00



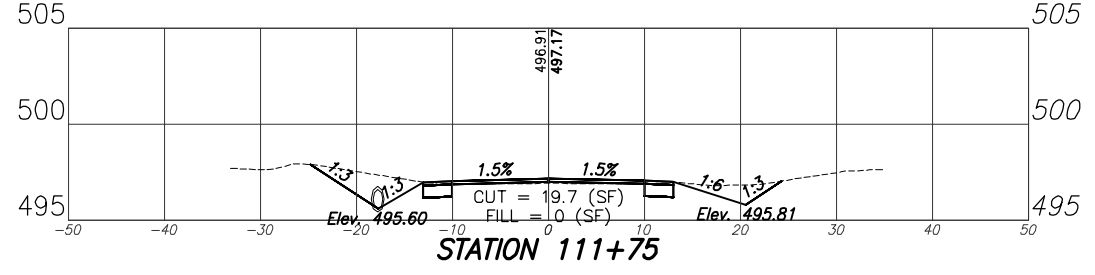
STATION 110+75



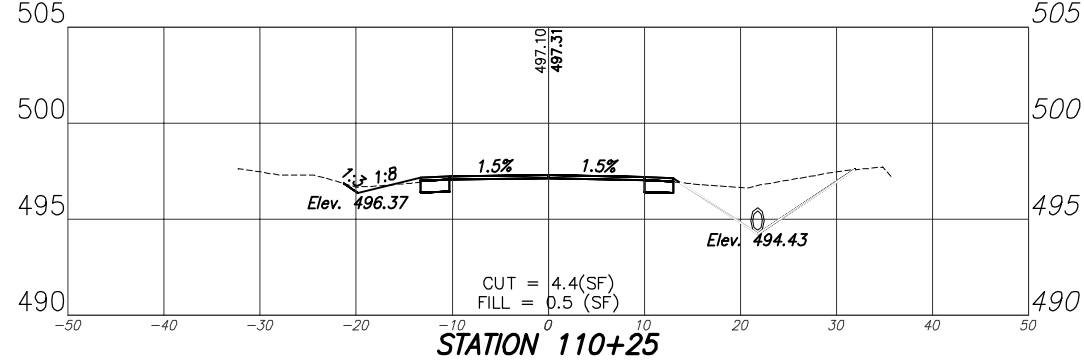
STATION 111+84
(P.E. LT.)



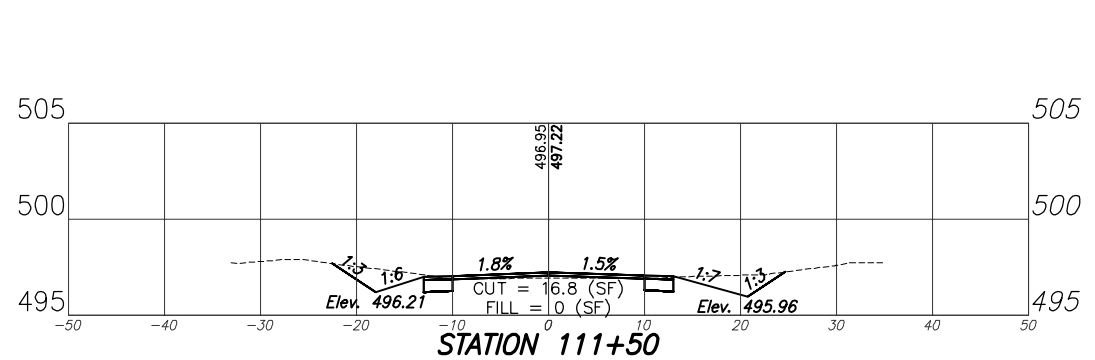
STATION 110+50



STATION 111+75



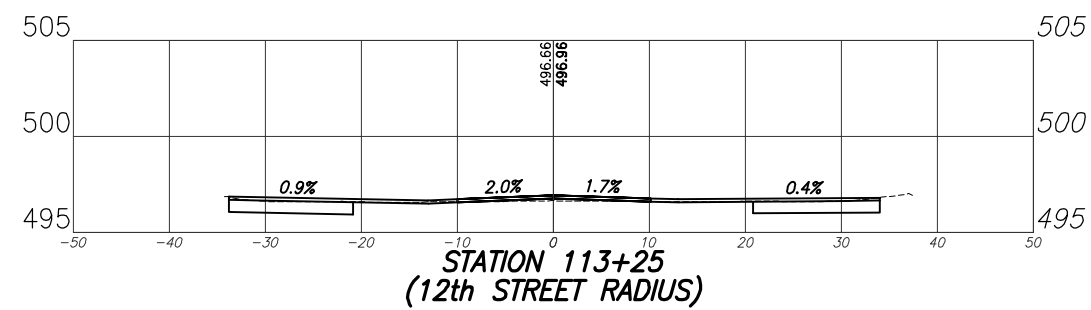
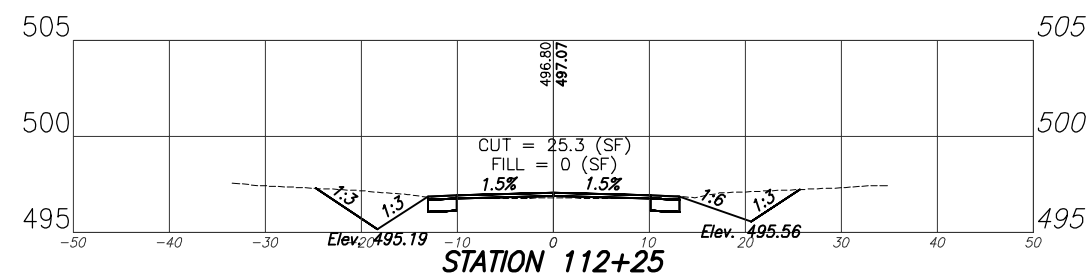
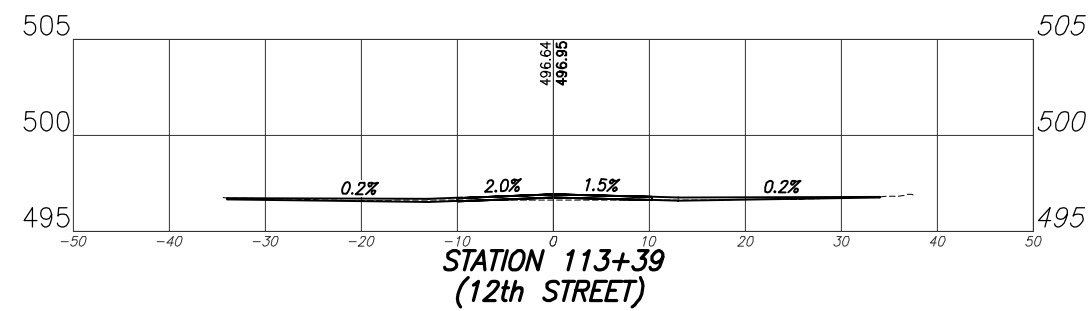
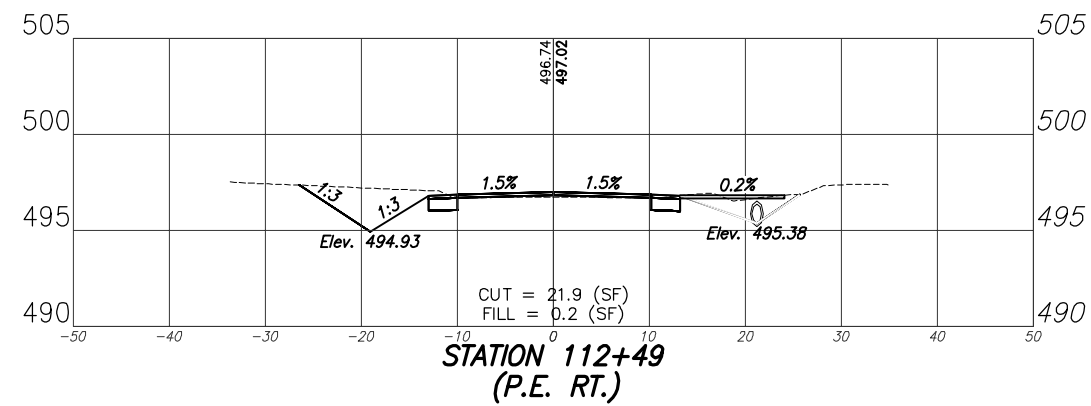
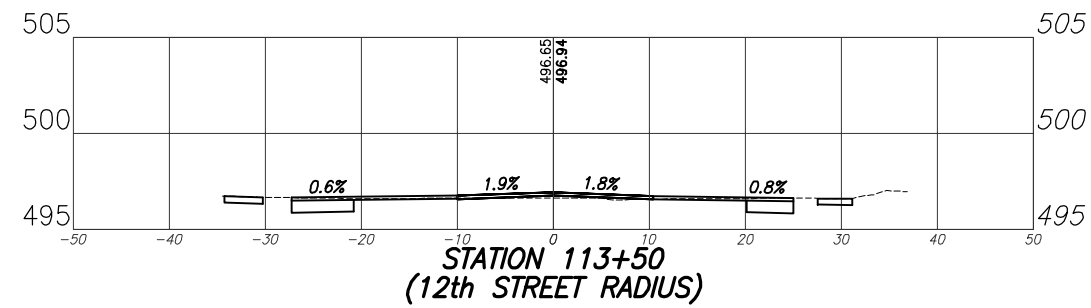
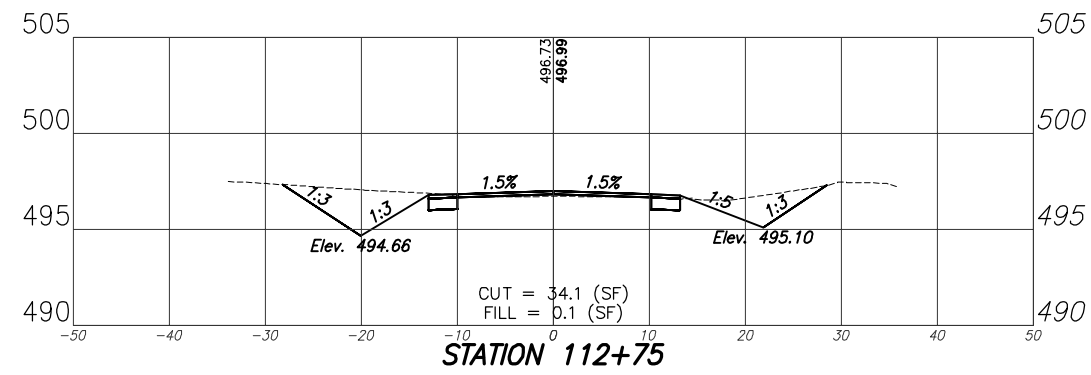
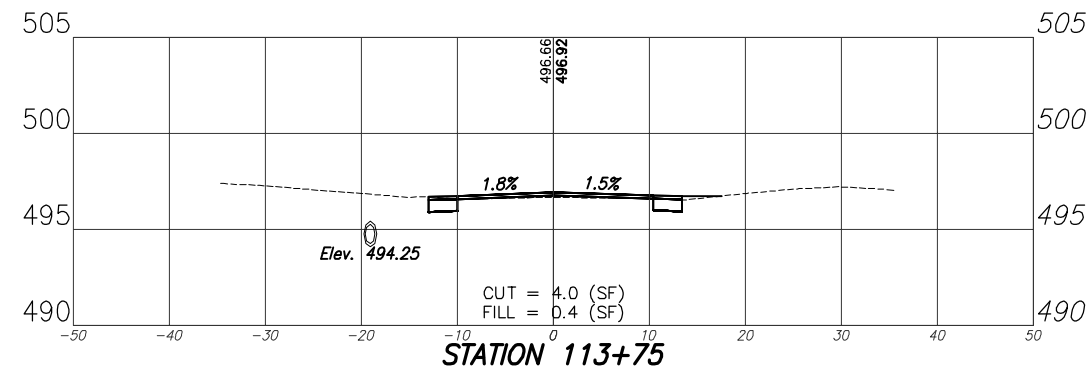
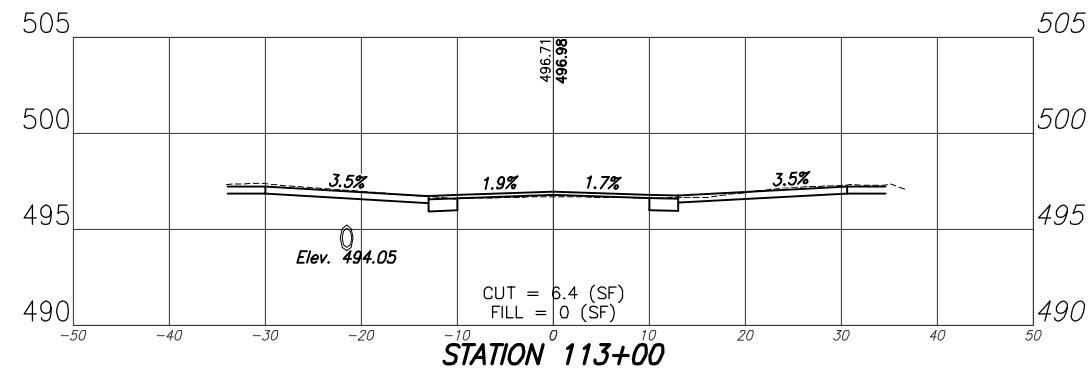
STATION 110+25



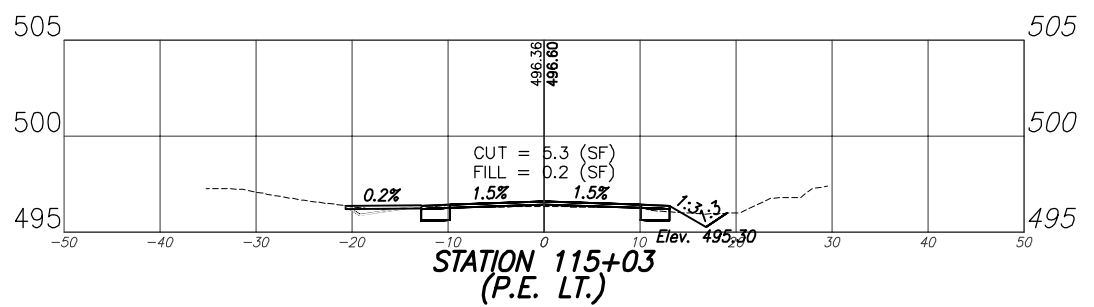
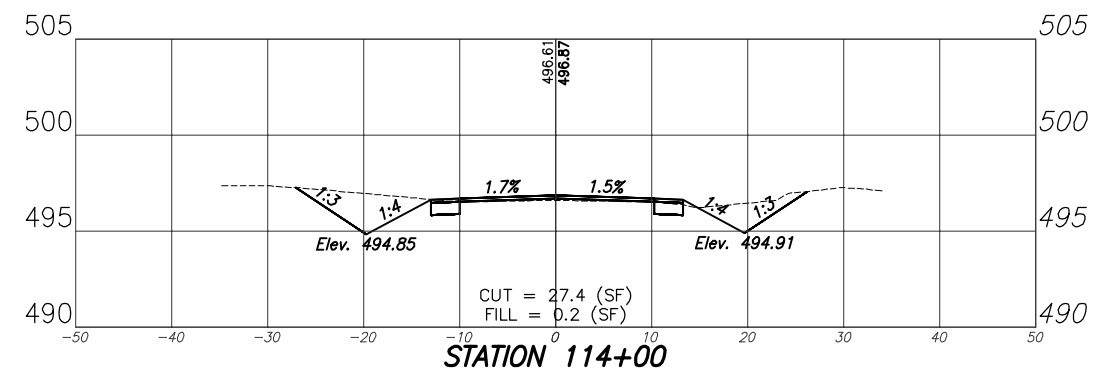
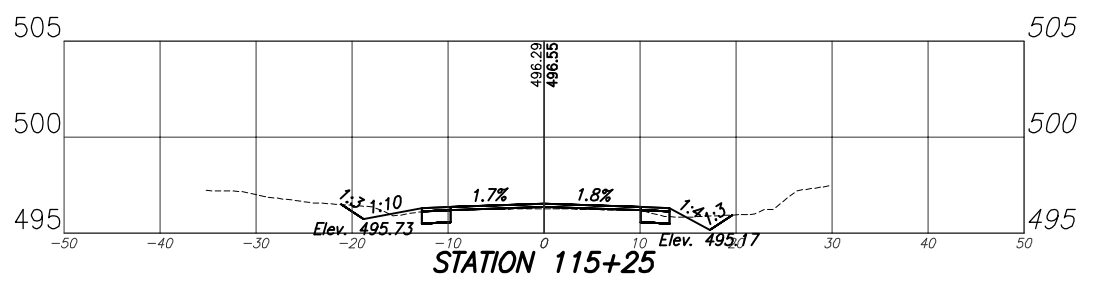
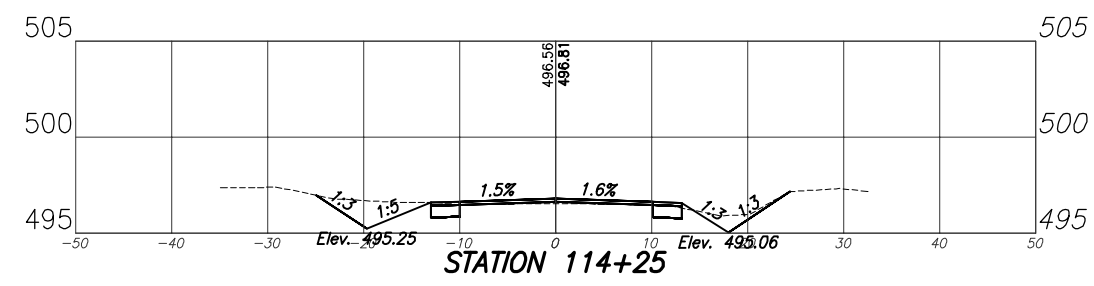
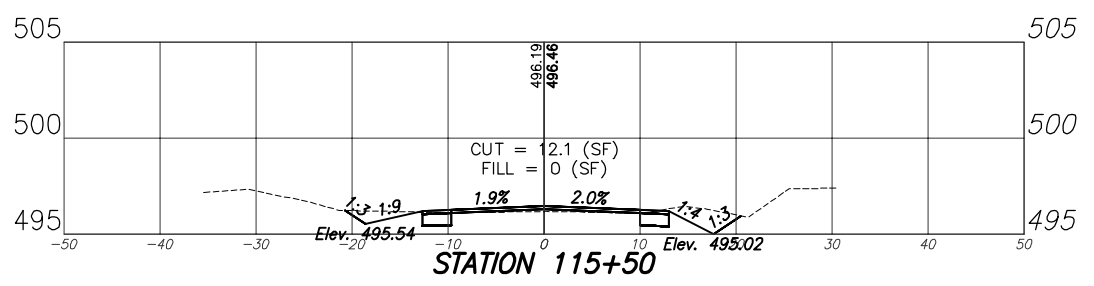
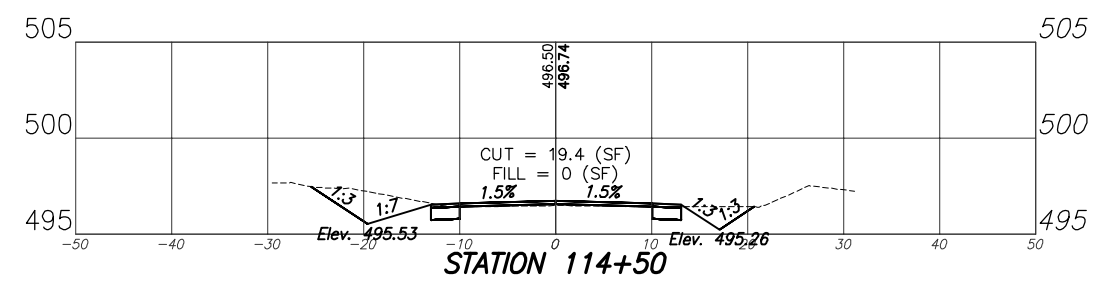
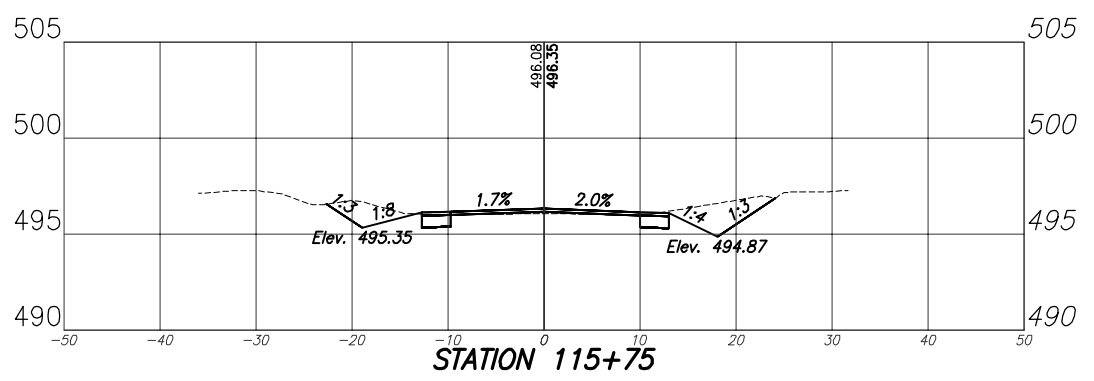
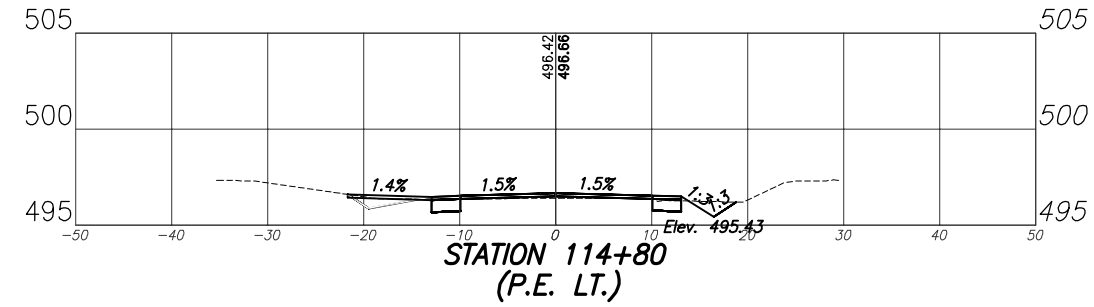
STATION 111+50

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	32
FEDERAL AID PROJECT		CONTRACT 97707		

NOTE:
SHOULDER TO MATCH MAINLINE
CROSS SLOPE.

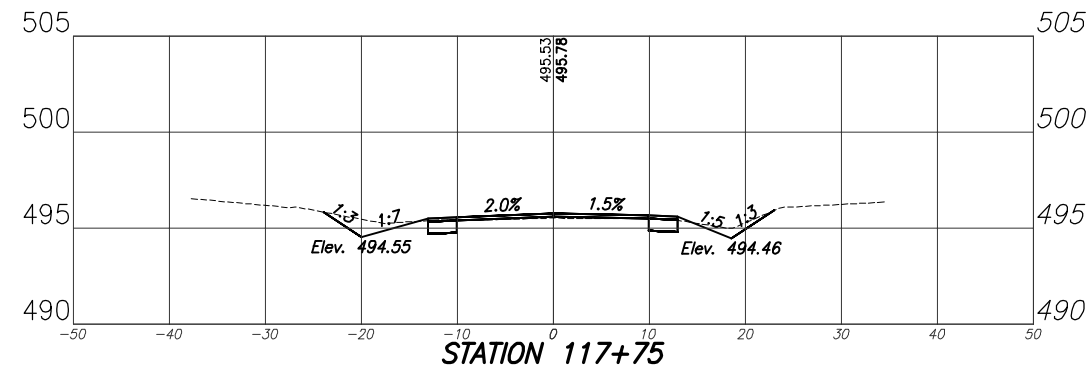
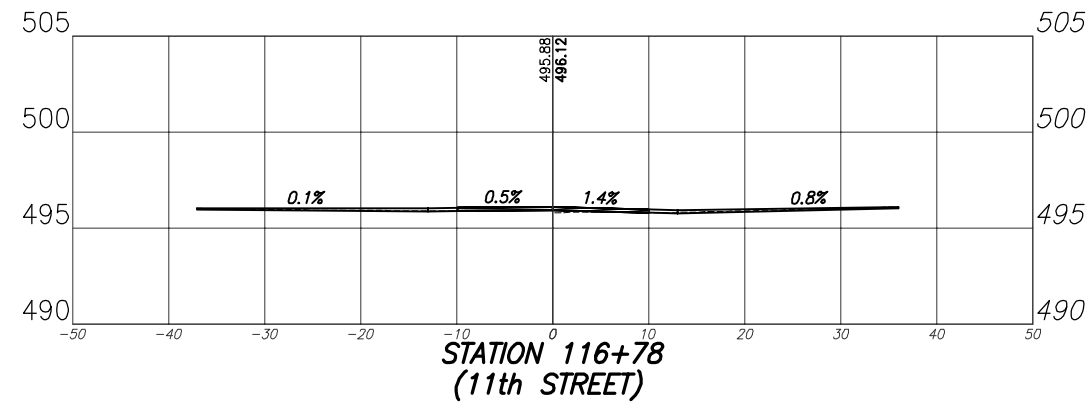


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	33
FEDERAL AID PROJECT		CONTRACT 97707		

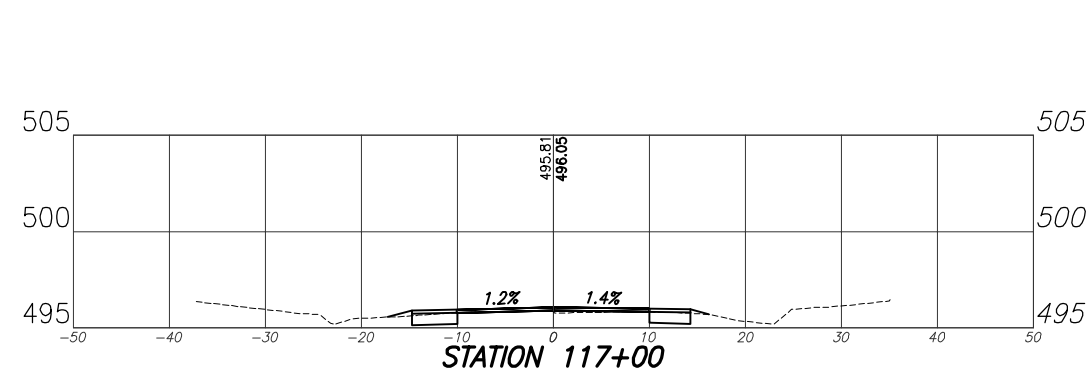
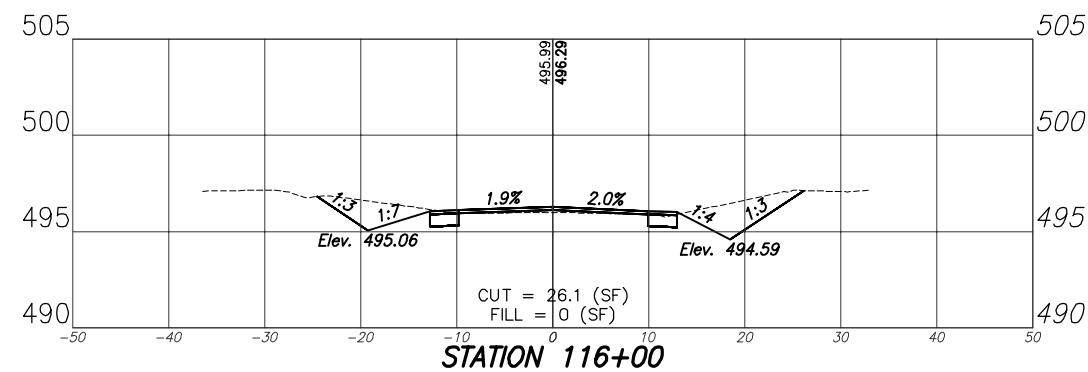
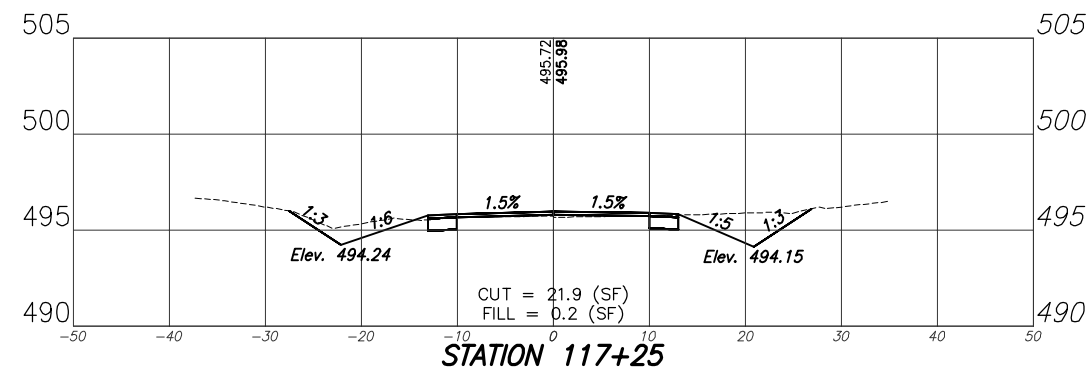
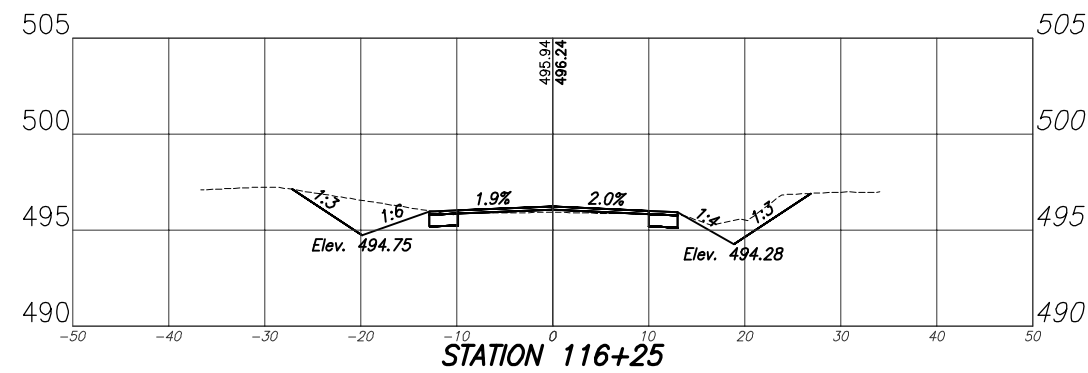
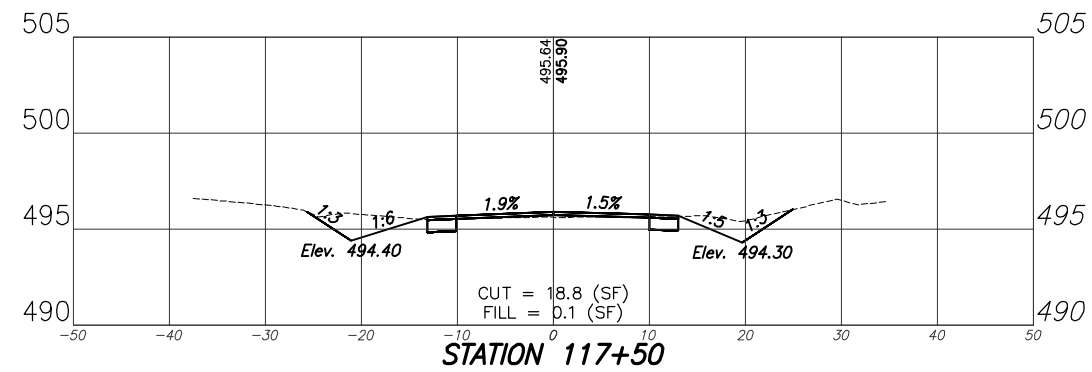
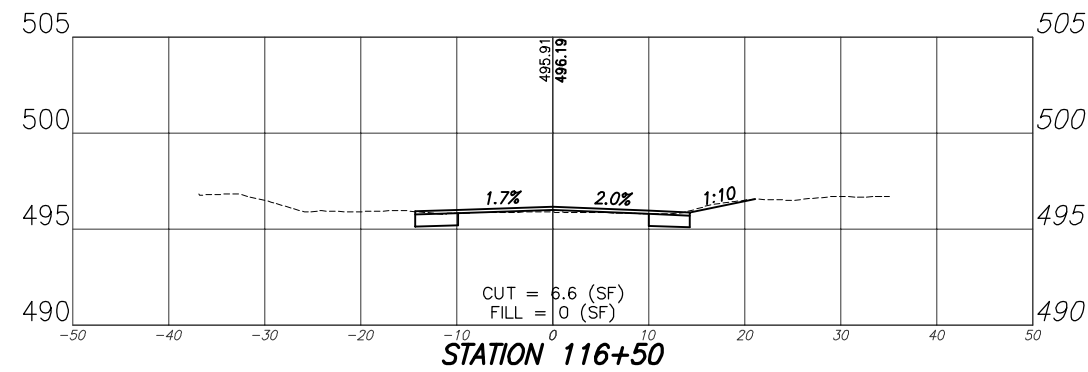


NOTE: SHOULDER TO MATCH MAINLINE CROSS SLOPE.

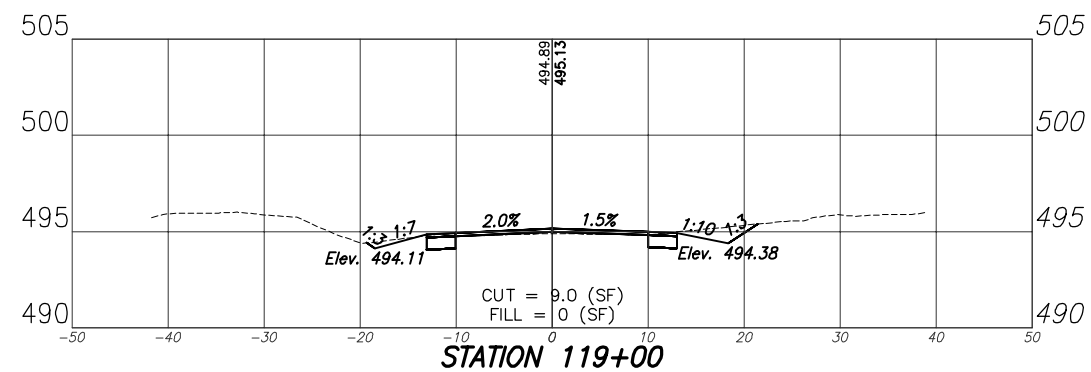
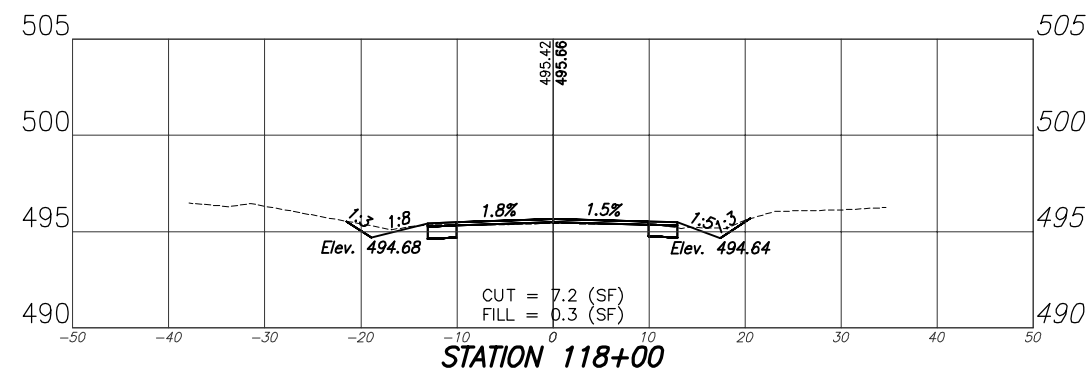
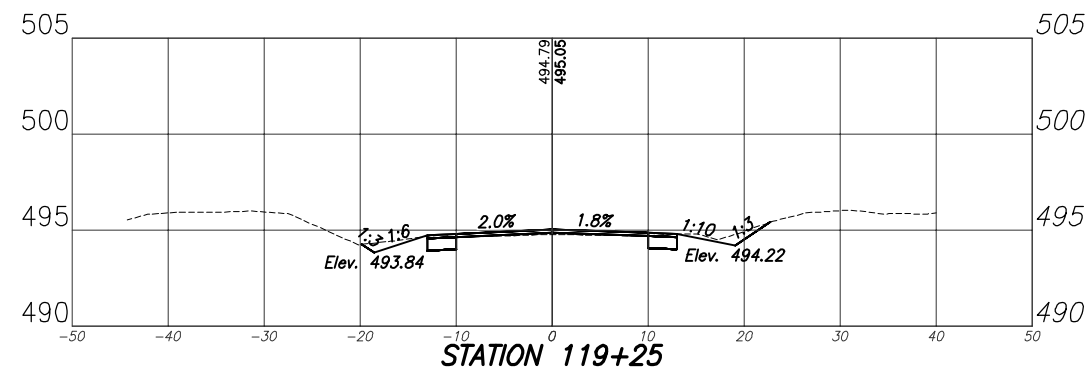
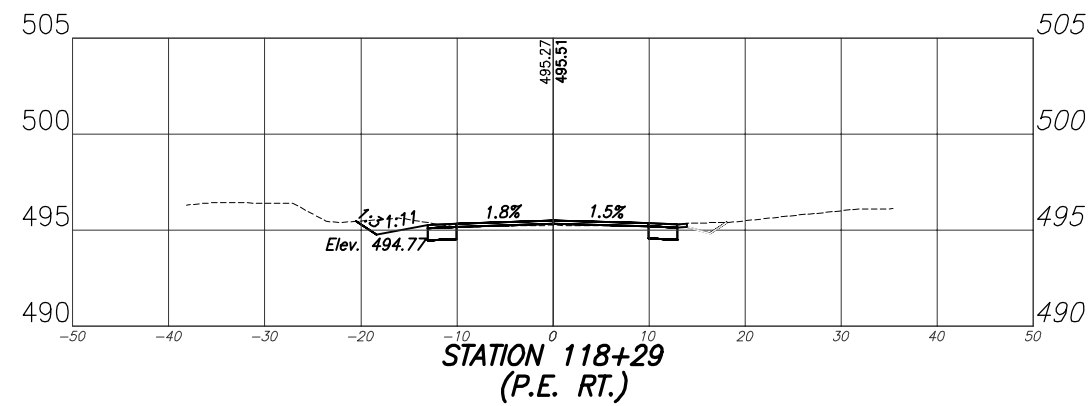
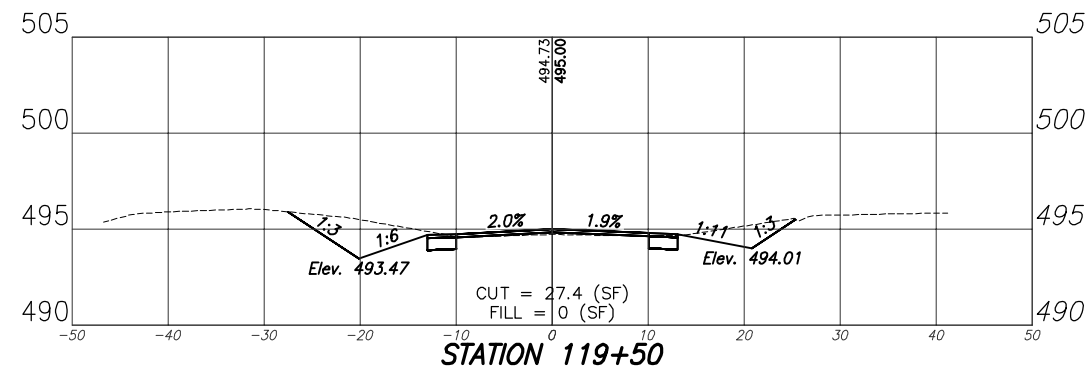
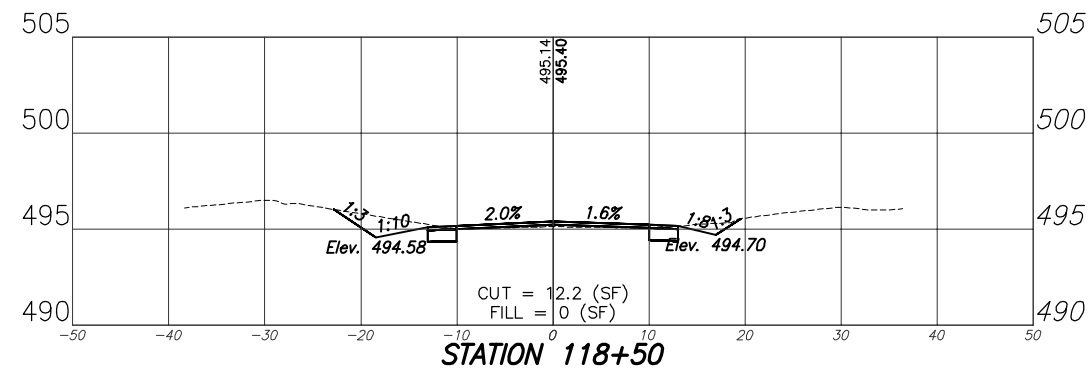
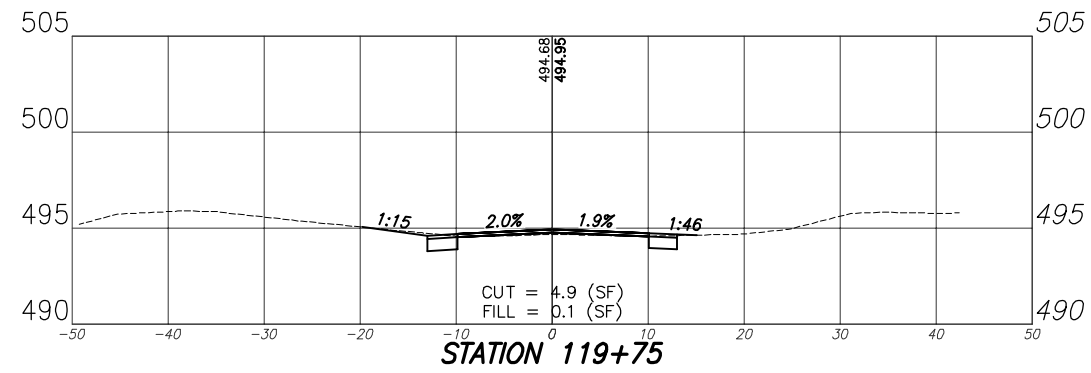
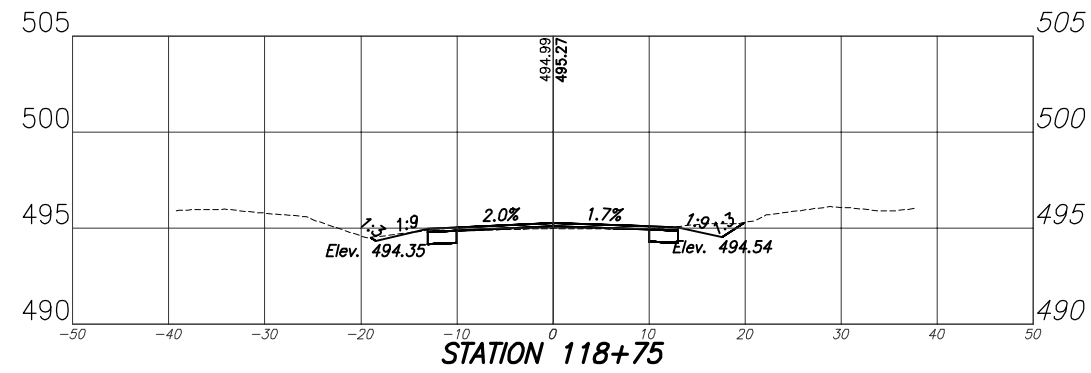
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	34
FEDERAL AID PROJECT		CONTRACT 97707		



NOTE:
SHOULDER TO MATCH MAINLINE
CROSS SLOPE.

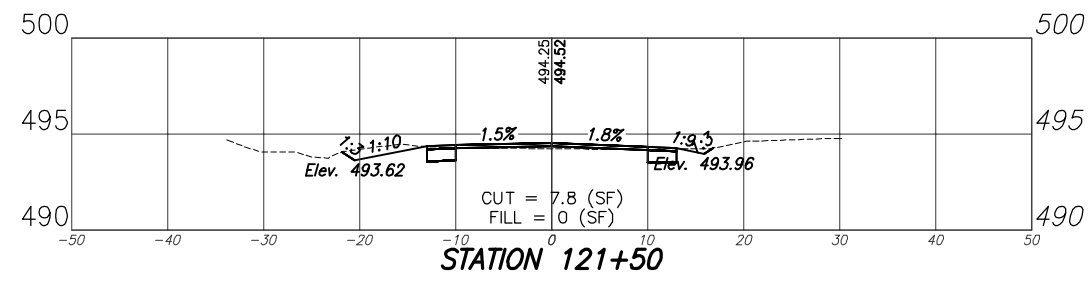
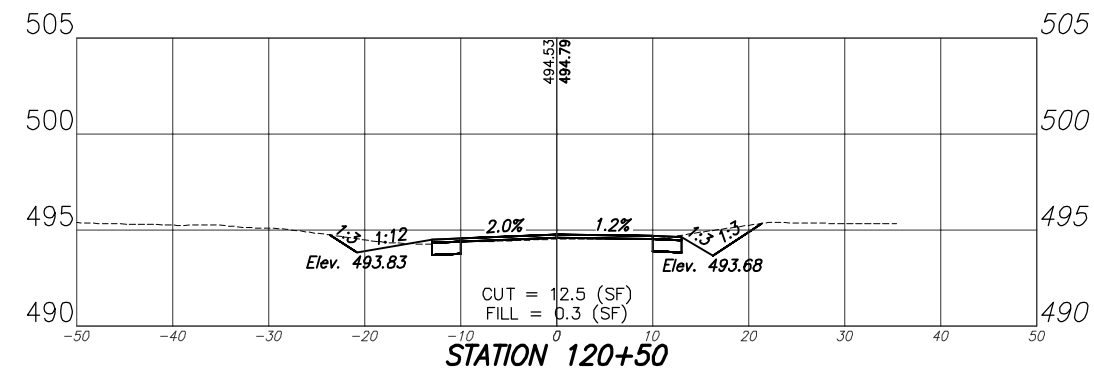


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	35
FEDERAL AID PROJECT		CONTRACT 97707		

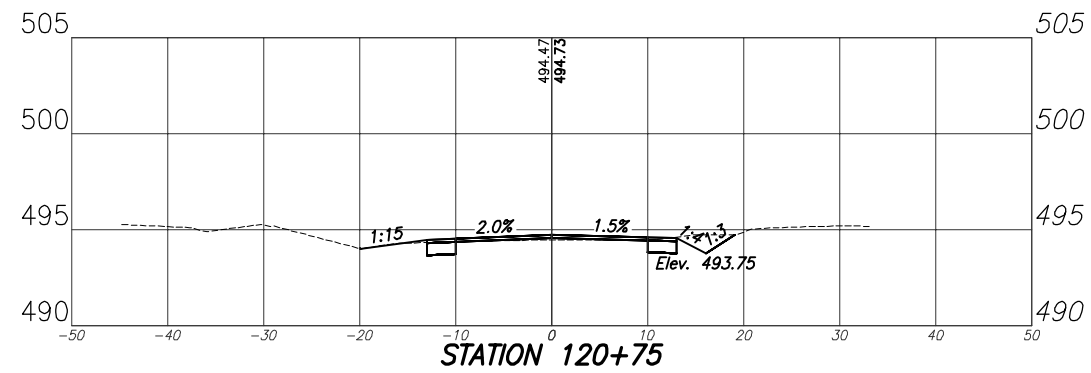
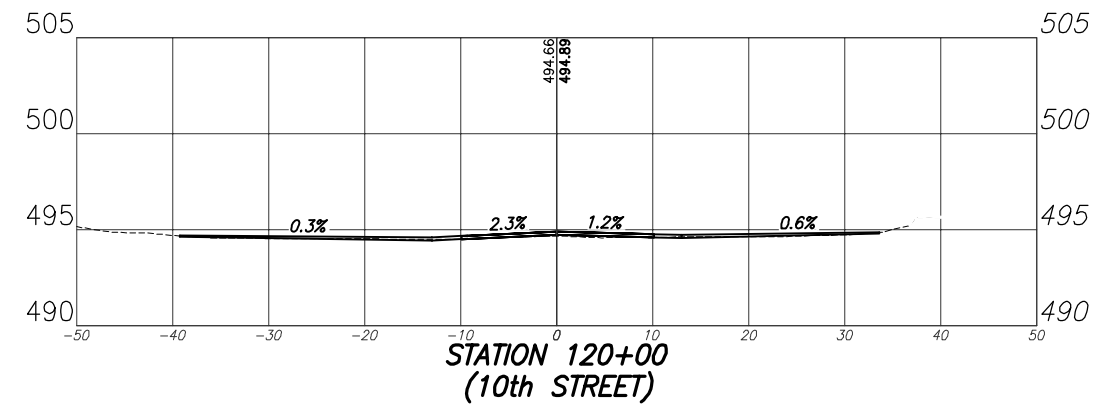
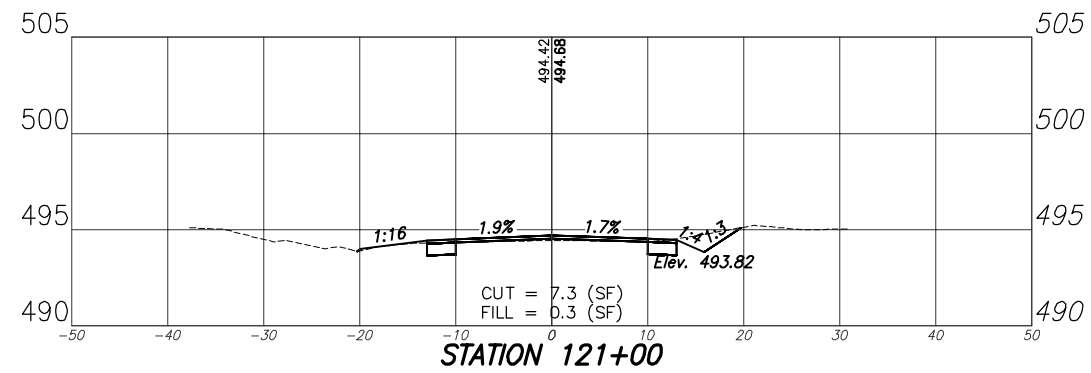
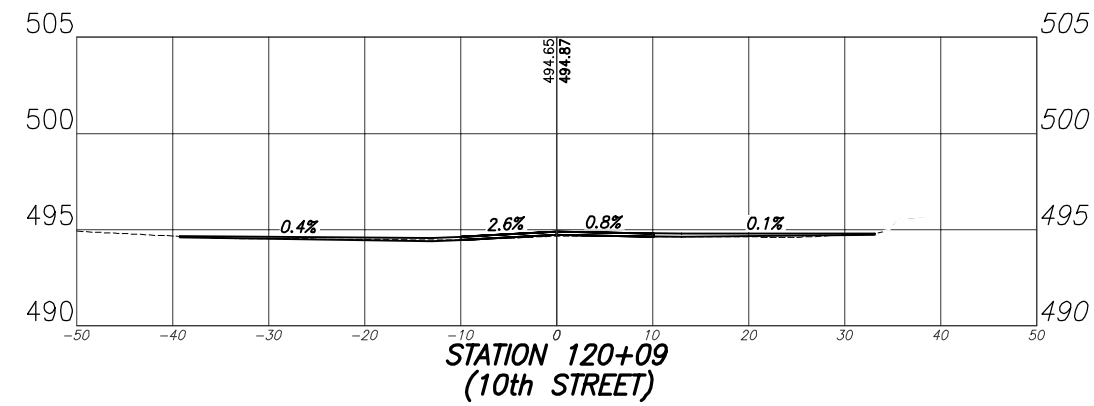
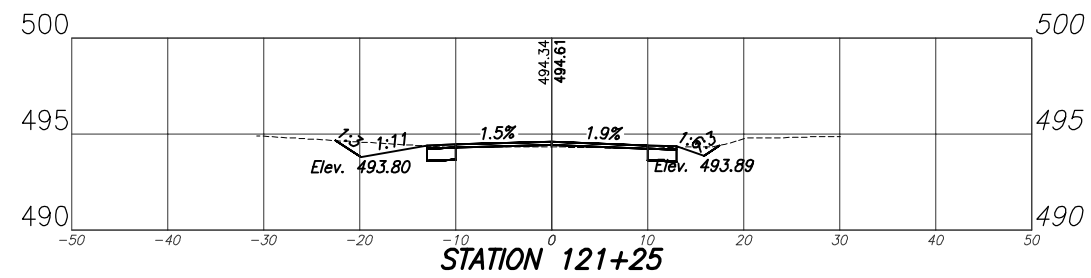
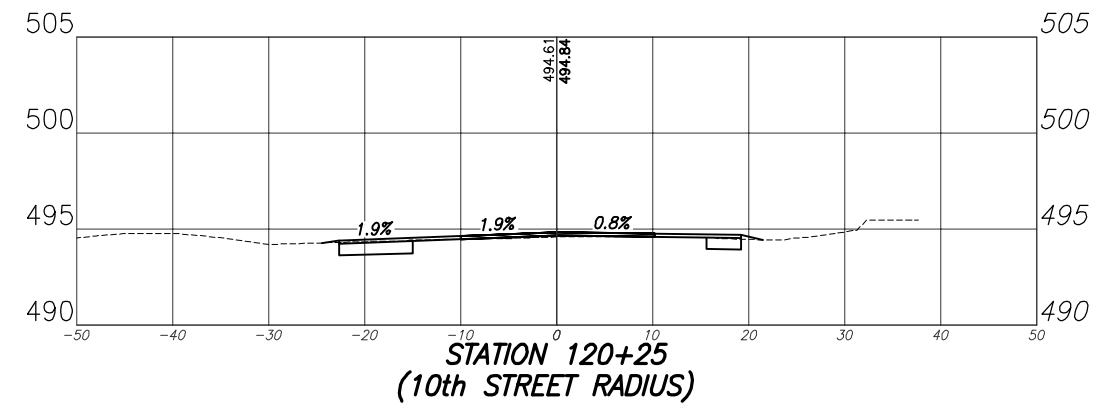


NOTE:
SHOULDER TO MATCH MAINLINE
CROSS SLOPE.

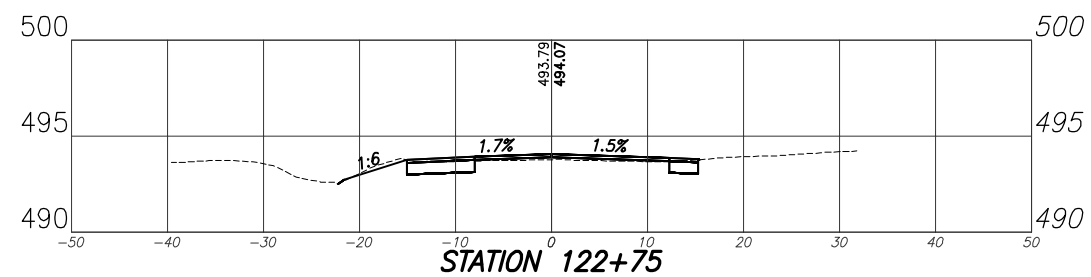
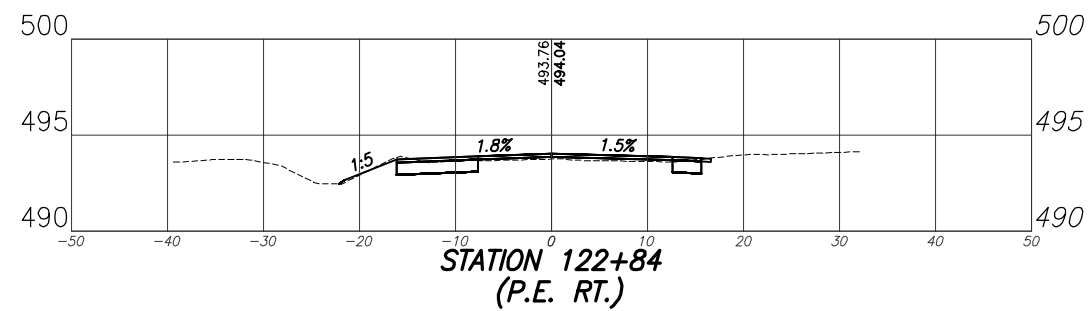
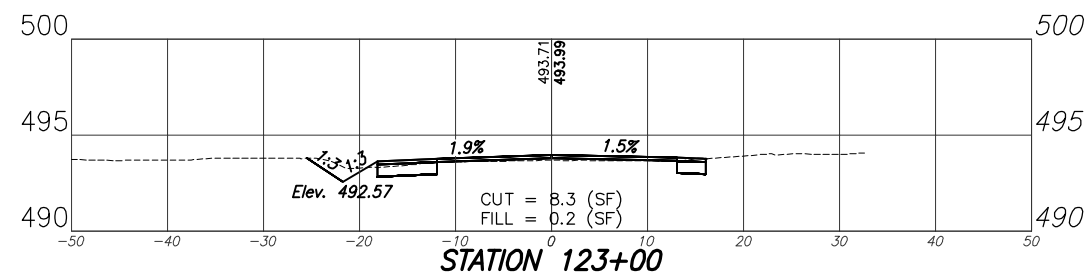
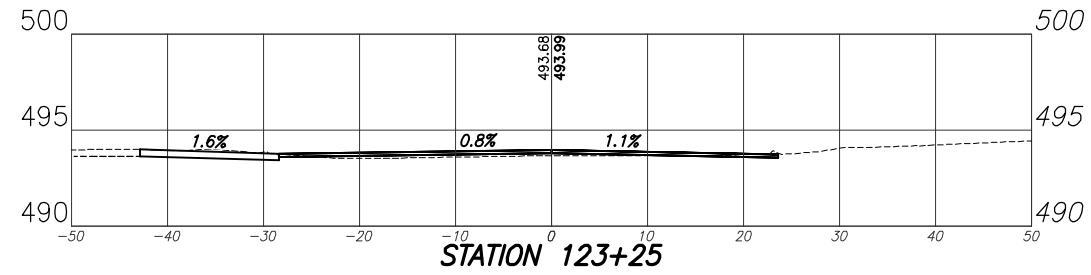
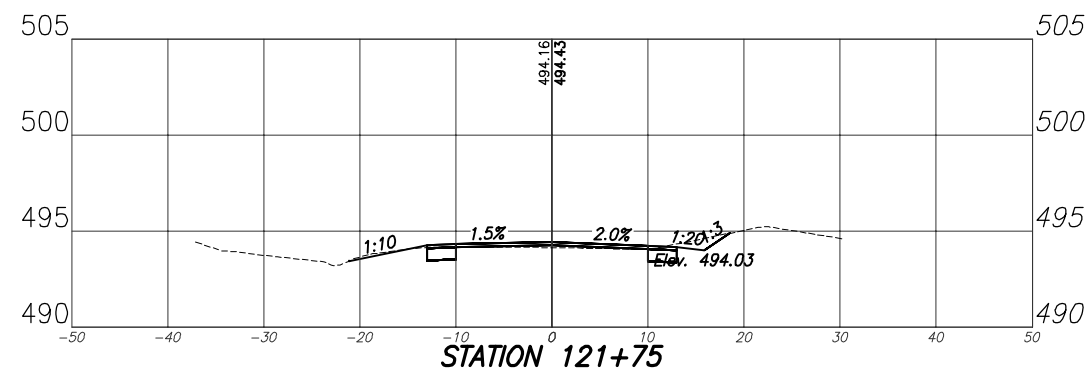
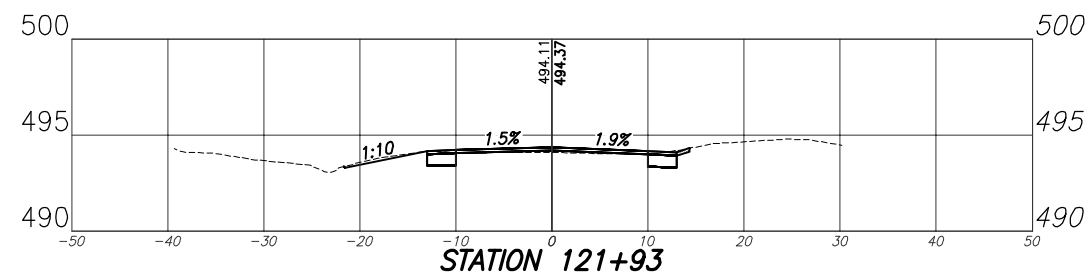
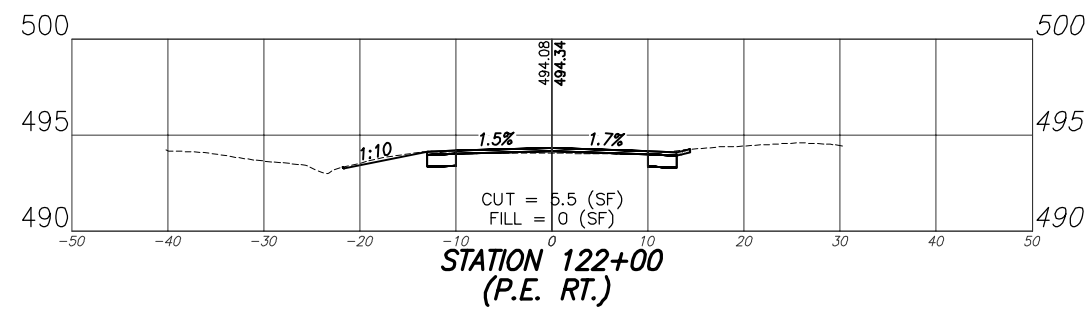
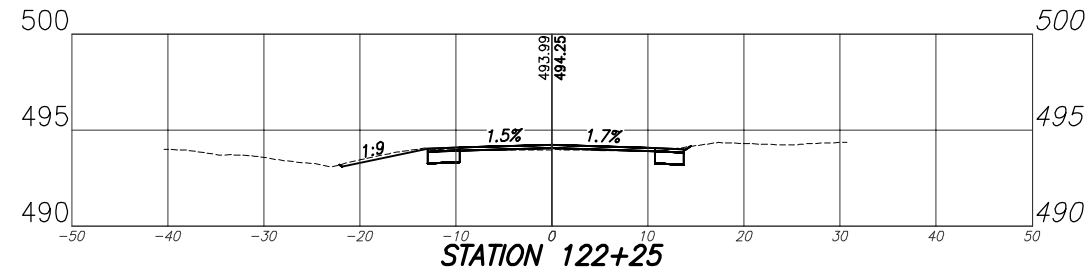
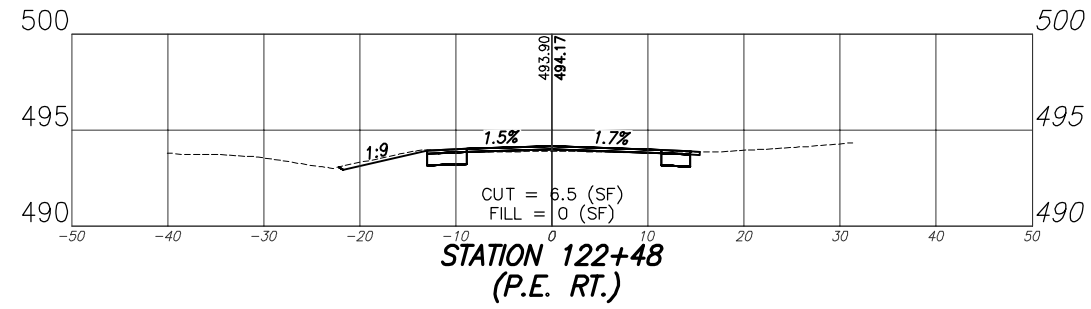
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
8612 8611 8605	16-00087-01-RS	MARION	37	36
FEDERAL AID PROJECT		CONTRACT 97707		



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	37	37
FEDERAL AID PROJECT		CONTRACT 97707		



NOTE:
SHOULDER TO MATCH MAINLINE
CROSS SLOPE.