

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	1
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PLANS FOR PROPOSED LOCAL AGENCY PROJECT

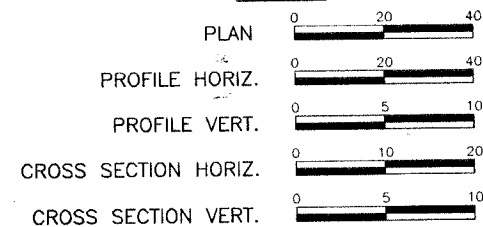
FAU ROUTE 9170 (OBERNUEFEMANN ROAD)  
SECTION 03-00054-00-RP

PROJECT NO. M-5011(247)  
CITY OF O'FALLON, ILLINOIS  
ST. CLAIR COUNTY  
JOB NO. C 98-313-08

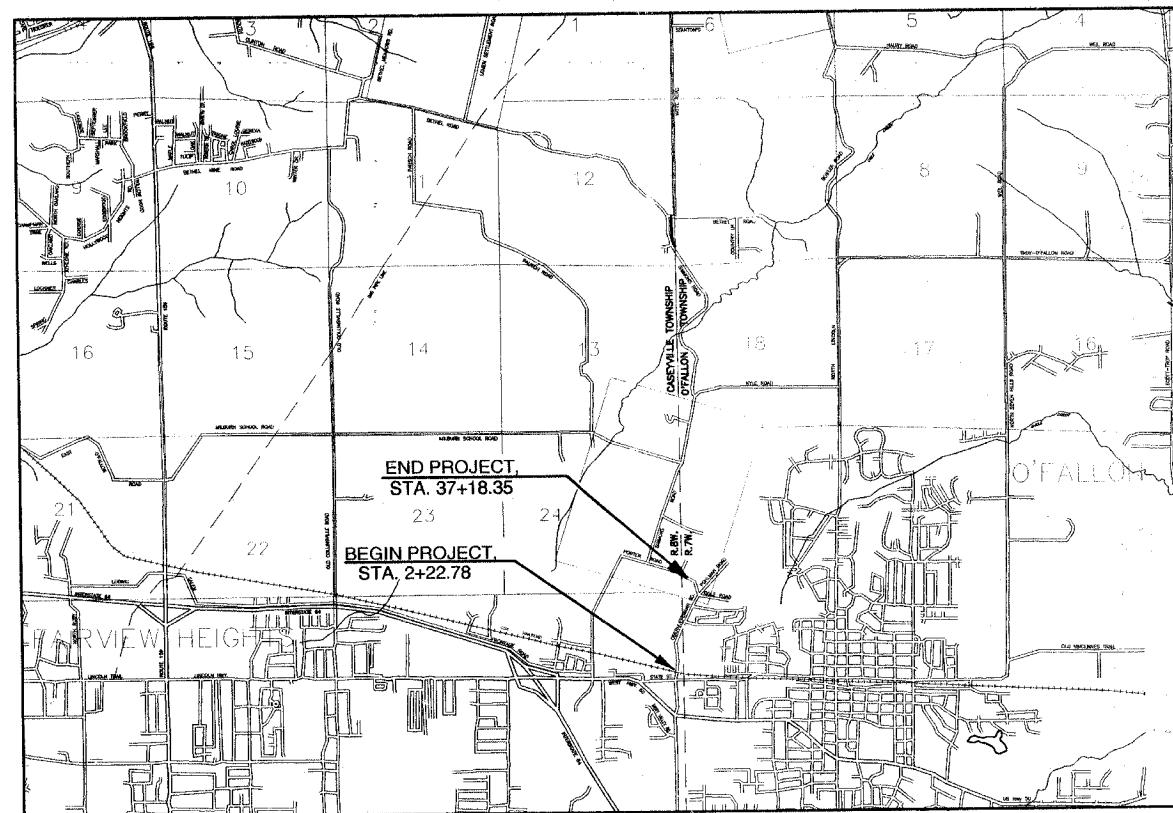
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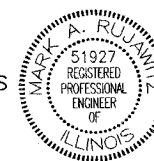
OBERNUEFEMANN ROAD  
ROADWAY DESIGNATION: URBAN LOCAL COLLECTOR  
ADT: CURRENT (2008) 5,000  
20-YEAR (2028) 9,000  
SU = 2.0%  
DESIGN SPEED: 35 MPH



LOCATION MAP  
NOT TO SCALE

OGLE ROAD 220.88 FT. = 0.042 MILES  
PORTER ROAD 150.00 FT. = 0.028 MILES  
OBERNUEFEMANN ROAD 3495.57 FT. = 0.662 MILES

NET LENGTH OF IMPROVEMENT  
3866.45 FT. = 0.732 MILES

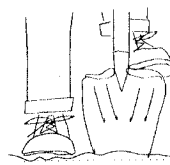


*Mark A. Rujowitz*  
Mark A. Rujowitz  
February 29, 2008  
Date of Signing  
11/30/09  
Date of License Expiration



CITY OF O'FALLON, ILLINOIS	
APPROVED	<i>2/29/08</i> DATE
	<i>Ray A. Anhan</i> MAYOR, CITY OF O'FALLON
PASSED	<i>2/29/08</i> DATE
	<i>[Signature]</i> DISTRICT EIGHT ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	<i>2/29/08</i> DATE
	<i>Wm. C. Davis, Jr.</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION FIVE ENGINEER

**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



PREPARED BY:  
**RHUTASEL and ASSOCIATES, INC.**

CONSULTING ENGINEERS • LAND SURVEYORS  
CORPORATE OFFICE: 4 INDUSTRIAL DRIVE, FREEBURG, ILLINOIS 62243 (618) 539-3178  
REGIONAL OFFICE: 201 SOUTH LOCUST STREET, CENTRALIA, ILLINOIS 62801 (618) 532-1992

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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS)	UNIT	18
20200100	EARTH EXCAVATION	CU YD	2,739
20400800	FURNISHED EXCAVATION	CU YD	125
20800150	TRENCH BACKFILL	CU YD	494
25000100	SEEDING, CLASS 1	ACRE	1.9
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	174
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	174
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	174
25100115	MULCH, METHOD 2	ACRE	1.9
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	193
28000300	TEMPORARY DITCH CHECKS	EACH	4
28000400	PERIMETER EROSION BARRIER	FOOT	400
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	10,810
30201500	LIME	TON	208
31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	2,576
35101400	AGGREGATE BASE COURSE, TYPE B	TON	71
*0200800	AGGREGATE SURFACE COURSE, TYPE B	TON	31
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	100
40600010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,015
40600030	AGGREGATE (PRIME COAT)	TON	20.4
40600982	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	SQ YD	115
40600990	TEMPORARY RAMP	SQ YD	178
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	2,907
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,703
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	27
42001300	PROTECTIVE COAT	SQ YD	1,883
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	322
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	6,215
42400800	DETECTABLE WARNINGS	SQ FT	84
44000100	PAVEMENT REMOVAL	SQ YD	11,149
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	439
44000400	GUTTER REMOVAL	FOOT	164
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	81
44000600	SIDEWALK REMOVAL	SQ FT	319
44004000	PAVED DITCH REMOVAL	FOOT	34
48101200	AGGREGATE SHOULDERS, TYPE B	TON	24
50105220	PIPE CULVERT REMOVAL	FOOT	767
54213447	END SECTIONS 12"	EACH	2
54213450	END SECTIONS 15"	EACH	2
54213453	END SECTIONS 18"	EACH	3
54213471	END SECTIONS 36"	EACH	1

\* SPECIALTY ITEM

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTION 15"	EACH	2
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	52
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	24
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	578
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	981
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	450
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	188
550A2400	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 36"	FOOT	60
60222240	MANHOLE, TYPE A, 5' DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2
60242400	INLETS, SPECIAL	EACH	36
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	5
60500060	REMOVING INLETS	EACH	2
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	12.1
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	6,788
67100100	MOBILIZATION	L SUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1395
70300210	TEMPORARY PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	154.8
70300220	TEMPORARY PAVEMENT MARKING-LINE 4"	FOOT	10,561
70300240	TEMPORARY PAVEMENT MARKING-LINE 6"	FOOT	166
70300260	TEMPORARY PAVEMENT MARKING-LINE 12"	FOOT	559
70300280	TEMPORARY PAVEMENT MARKING-LINE 24"	FOOT	195
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	352
72000100	SIGN PANEL-TYPE 1	SQ FT	29
72000200	SIGN PANEL-TYPE 2	SQ FT	10
72900100	METAL POST-TYPE A	FOOT	89
72900200	METAL POST-TYPE B	FOOT	42
*78000100	THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	154.8
*78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	FOOT	10,561
*78000400	THERMOPLASTIC PAVEMENT MARKING-LINE 6"	FOOT	166
*78000600	THERMOPLASTIC PAVEMENT MARKING-LINE 12"	FOOT	559
*78000650	THERMOPLASTIC PAVEMENT MARKING-LINE 24"	FOOT	195
X0322033	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	183
X0322034	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	317
X0322035	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	113
X0322525	STORM SEWER (WATER MAIN REQUIREMENTS) 21 INCH	FOOT	36
XX005637	PIPE ELBOW 36"	EACH	1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1

\* SPECIALTY ITEM

# GENERAL NOTES

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- ALL CONSTRUCTION SHALL BE ACCORDING TO ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007.
- THE PROPOSED EMBANKMENT SHALL BE BENCHED INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE.
- ALL AREAS DISTURBED FOR ANY REASON WITHIN THE CONSTRUCTION LIMITS SHALL BE SEEDED WITH CLASS 1 SEEDING. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04. AREAS DISTURBED BEYOND THE CONSTRUCTION LIMITS SHALL BE SEEDED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- AN ESTIMATED 2,500 TONS OF HOT-MIX ASPHALT MATERIAL WILL BE REMOVED DURING THIS PROJECT.
- PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS AND FACE OF CURB.
- THE COST OF REMOVING AND RELOCATING ALL EXISTING TRAFFIC SIGNS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- ALL ENTRANCES SHALL BE CONSTRUCTED AT RIGHT ANGLES TO THE PROPOSED CENTERLINE UNLESS OTHERWISE NOTED.
- FACTORS USED FOR APPLICATION RATES AND QUANTITY CALCULATIONS ARE AS FOLLOWS:

**PAVING**

ALL HOT-MIX ASPHALT	0.056 TONS/SQ. YD./INCH
BITUMINOUS MATERIALS (PRIME COAT)	0.075 GAL./SQ. YD.
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ. YD.
AGGREGATE BASES	0.0555 TONS/SQ. YD./INCH

**SEEDING**

NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
MULCH	2 TONS/ACRE
TEMPORARY SEEDING	100 LBS/ACRE

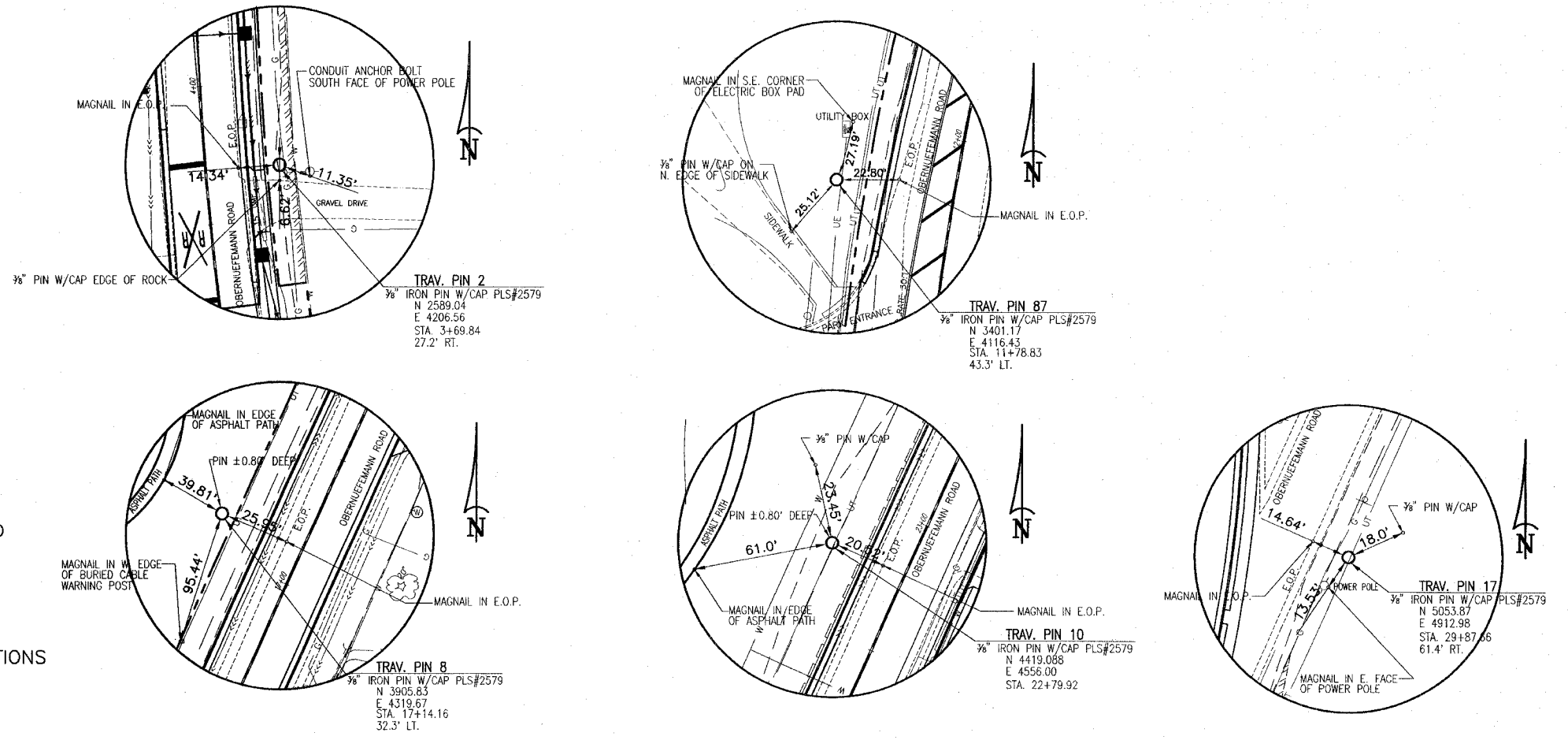
**LIME MODIFIED SOILS**

SOIL	1.4445 TONS/CU. YD.
LIME (4% OF SOIL)	0.01926 TONS/SQ. YD./12 IN.

11.) THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S)	SURFACE COURSE	BINDER COURSE	INCIDENTAL
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX.)	15%	25%	15%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)		IL-19.0	
FRICTION AGG	MIXTURE D	MIXTURE B	MIXTURE D

## HORIZONTAL CONTROL TIE POINTS N.T.S.



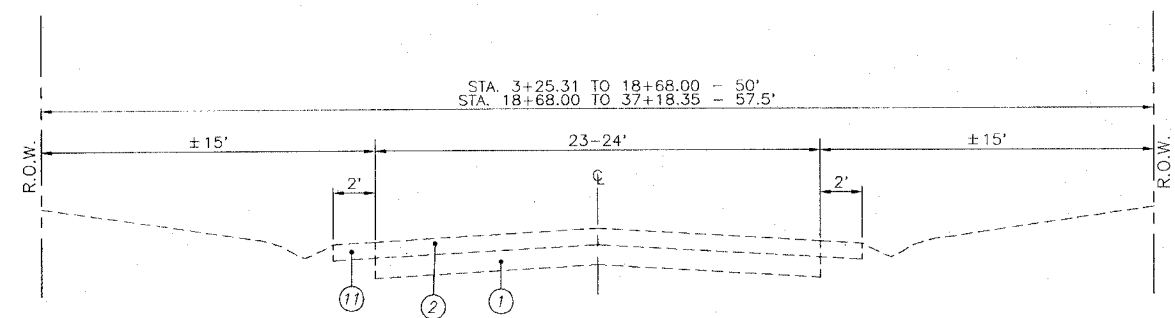
### APPLICABLE IDOT HIGHWAY STANDARDS:

280001-04	604036-01	701901
424001-05	604091-01	720006-01
602306-01	606001-03	720011
602401-01	606006-01	729001
602601-01	606101-03	780001-01
604001-02	701501-04	B.L.R. 22-5

UTILITY TYPE	NAME OF UTILITY	PHONE NUMBER	CONTACT NAME
TELEPHONE	AT&T	1-847-420-9115	CARL DONAHUE
TELEPHONE	SBC	1-309-686-3314	DAVE CONOVER
CABLE	CHARTER COMMUNICATIONS	1-618-222-3112	TODD ARNETT
ELECTRIC	AMEREN IP	1-618-236-6207	STEVE RALSTON
GAS	AMEREN IP	1-618-236-6207	STEVE RALSTON
FIBER OPTIC	QWEST COMMUNICATIONS	1-303-707-8570	TONI TAYLOR
WATER	CITY OF O'FALLON	1-618-624-4500	HEIDE BELL
SANITARY SEWER	CITY OF O'FALLON	1-618-624-4500	HEIDE BELL

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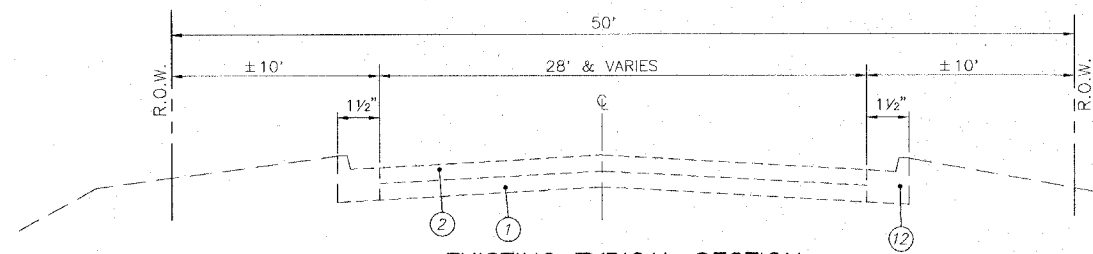
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	4
STA. 2+22.78		TO		STA. 37+18.35
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**EXISTING TYPICAL SECTION**

Scale: 1"=4' (Horizontal)  
1"=2' (Vertical)

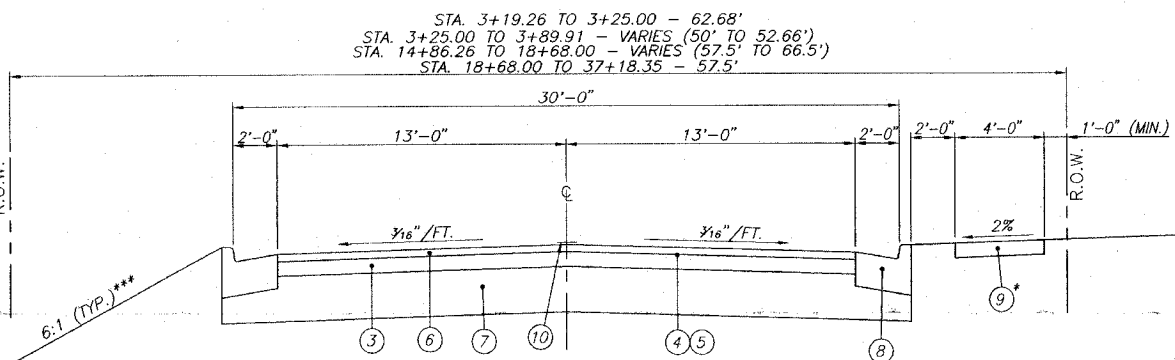
STA: 3+25.31 - STA: 37+18.35



**EXISTING TYPICAL SECTION**

Scale: 1"=4' (Horizontal)  
1"=2' (Vertical)

STA: 2+22.78 - STA: 3+25.31



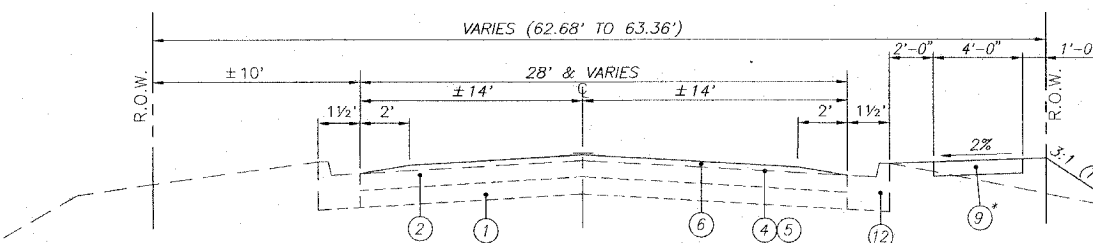
**PROPOSED TYPICAL SECTION**

Scale: 1"=4' (Horizontal)  
1"=2' (Vertical)

STA: 3+19.26 - STA: 3+89.91  
STA: 14+86.26 - STA: 19+26.39  
STA: 23+59.34 - STA: 28+38.31  
STA: 36+68.34 - STA: 37+18.35

\* P.C.C. SIDEWALK, 4' WIDE WITH 2' BUFFER.  
STA. 3+19.26 TO 7+56.58 &  
STA. 19+12.79 TO 30+92.81

\*\*\* SEE CROSS SECTIONS FOR VARIABLE EARTH SLOPES AND ENTRANCE GRADES

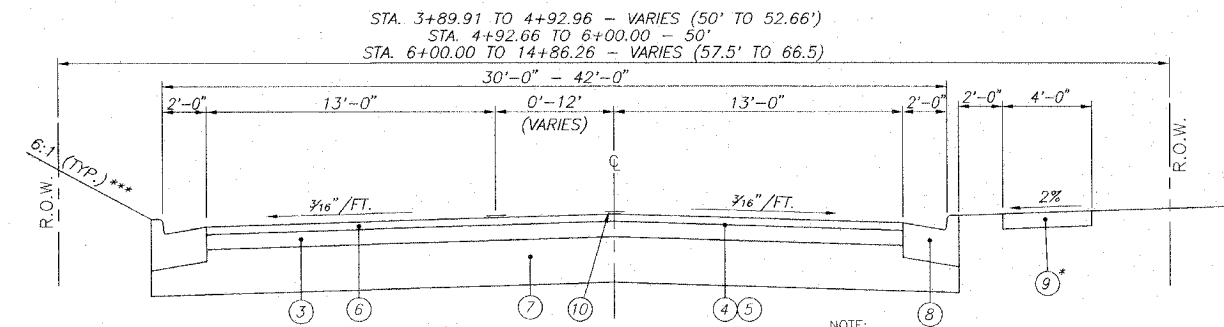


**PROPOSED TYPICAL SECTION**

Scale: 1"=4' (Horizontal)  
1"=2' (Vertical)

STA: 2+22.78 - STA: 3+19.26

\* P.C.C. SIDEWALK, 4' WIDE WITH 2' BUFFER.  
STA. 2+30.56 TO 3+19.26

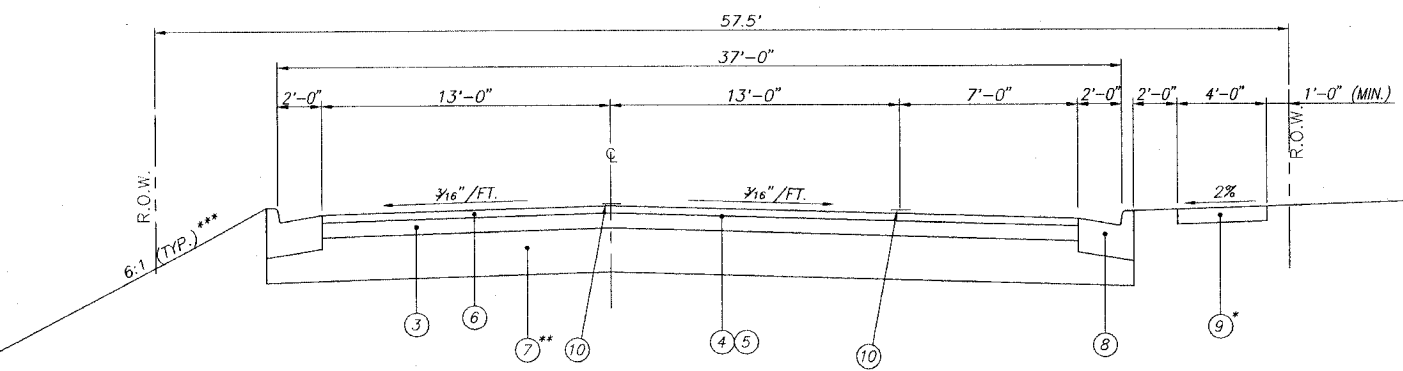


**PROPOSED TYPICAL SECTION LEFT TURN LANE**

Scale: 1"=4' (Horizontal)  
1"=2' (Vertical)

STA: 3+89.91 - STA: 14+86.26

NOTE: FOR LANE TRANSITION DIMENSIONS, SEE PLAN SHEET.  
\* P.C.C. SIDEWALK, 4' WIDE WITH 2' BUFFER.  
STA. 3+89.91 TO 7+56.58



**PROPOSED TYPICAL SECTION WITH PARKING LANE**

Scale: 1"=4' (Horizontal)  
1"=2' (Vertical)

STA: 19+26.39 - STA: 23+59.34

NOTE: FOR LANE TRANSITION DIMENSIONS, SEE PLAN SHEET.

\* P.C.C. SIDEWALK, 4' WIDE WITH 2' BUFFER.  
STA. 19+12.79 TO 30+92.81  
\*\* FOR STAGE II (STA. 20+15 TO 30+30) IN LIEU OF LIME MODIFIED SOIL, 12" SUB-BASE GRANULAR, MATERIAL, TYPE A WILL BE USED.

**PAVEMENT DESIGN**

STRUCTURAL DESIGN TRAFFIC:	YEAR 2018
PV=	7914
SU=	145
MU=	16
ROAD/STREET CLASSIFICATION:	URBAN COLLECTOR CLASS ROAD: II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P=	50
S=	50
M=	50
TRAFFIC FACTOR:	Actual TF= 0.192 Minimum TF= N/A
PG GRADE:	Binder= 64-22 Surface= 64-22
THICKNESS	- 6"
SUBGRADE SUPPORT RATING:	POOR

**LEGEND**

- ① EXISTING OIL & CHIP PAVEMENT VARIES ±4"(TBR)
- ② EXISTING HOT-MIX ASPHALT RESURFACING, ±4" (TBR)
- ③ HOT-MIX ASPHALT BINDER COURSE, IL. 19.0, N70, 4"
- ④ BITUMINOUS MATERIALS (PRIME COAT)
- ⑤ AGGREGATE (PRIME COAT)
- ⑥ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- ⑦ LIME MODIFIED SOIL, 12"
- ⑧ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑨ P.C.C. SIDEWALK, 4"
- ⑩ THERMOPLASTIC PAVEMENT MARKING
- ⑪ AGGREGATE SHOULDER, TYPE B, 6"
- ⑫ EXISTING CURB & GUTTER

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**ENTRANCE / SIDEROAD SCHEDULE**

STATION	SURFACE	TYPE	"L"	"W"	DRIVEWAY PAV'T REMOVAL SQ. YD.	INCIDENTAL HOT-MIX ASPHALT SURFACING TON	AGG. BASE COURSE, TY B-8 TON	P.C.C. DRIVEWAY PAVEMENT, 6" SQ. YD.	AGG. SURFACE COURSE, TY B-6 TON	HMA SURFACE CRSE., MIX "D", N70-2 TON	HMA BINDER CRSE., IL-19.0, N70-4 TON	COMMENTS
			FOOT	FOOT								
STA. 3+57 RT.	AGGREGATE	PE	11.5	15.0				15.9	1.0			
STA. 7+21 RT.	ASPHALT	SR*	7.0	32.5						5.4	10.8	STEVEN DEE DRIVE**
STA. 8+26 RT.	ASPHALT	PE	13.5	12.0	28.1	1.7	4.4	12.0				
STA. 9+61 RT.	ASPHALT	PE	20.0	19.4	45.0	5.0	13.1	17.0				
STA. 10+66 LT.	ASPHALT	CE*	4.0	28.0						3.0	6.1	S. PARK ENTRANCE
STA. 11+10 LT.	ASPHALT	CE*	5.0	28.0						3.3	6.7	N. PARK ENTRANCE
STA. 12+00 RT.	CONCRETE	CE	38.5	44.2***	112.3			87.1				LOADING DOCK
STA. 17+71 RT.	CONCRETE	PE	10.5	12.9	12.9			19.2				
STA. 18+92 RT.	ASPHALT	SR*	13.9	26.0						17.7	35.6	W. MADISON DRIVE
STA. 20+31 RT.	AGGREGATE	PE	20.1	17.2				17.2	8.7			
STA. 20+89 RT.	ASPHALT	PE	20.0	19.0	57.8	5.0	13.1	18.4				
STA. 21+53 RT.	ASPHALT	PE	10.1	20.3	17.6			19.3				
STA. 22+08 RT.	ASPHALT	PE	12.9	17.4	38.8	2.2	5.9	17.3				
STA. 22+98 RT.	CONCRETE	PE	13.5	16.0	36.9			29.7				
STA. 23+93 RT.	ASPHALT	SR*	5.1	24.0						15.6	31.2	W. NIXON DRIVE
STA. 25+44 RT.	ASPHALT	CE	13.9	30.7	44.3	4.5	11.9	26.2				
STA. 26+68 RT.	ASPHALT	CE	12.2	33.7	45.3	5.0	13.1	28.3				
STA. 27+17 RT.	OIL & CHIP	PE	13.8	12.4		1.8	4.9	14.1				
STA. 34+98 RT.	AGGREGATE	PE	12.7	15.5					7.3			
STA. 60+69 LT.	AGGREGATE	PE	15.5	13.0					9.5			
TOTAL					439.0	26.7	70.5	321.7	31.3	45.0	90.0	

(\*) - MEASURED FROM EDGE OF OBERNEUFEMANN ROAD  
 (\*\*) - ENTRANCE WILL BE COMPLETED IN TWO HALVES UNDER STAGES 4 & 5  
 (\*\*\*) - MEASURED PARALLEL TO ROADWAY  
 NOTE: OGLE ROAD AND PORTER ROAD INCLUDED IN PAVING SCHEDULE

**THERMOPLASTIC PAVEMENT MARKINGS**

LOCATION	SOLID DOUBLE YELLOW 4" LANE LINE	SOLID YELLOW 12" DIAGONAL LINE	SOLID WHITE 4" LANE LINE	SOLID WHITE TURN ARROW	SOLID WHITE 24"	SOLID WHITE 6" CROSSWALK LINE	WHITE SKIP DASH 4" LANE LINE	SOLID WHITE RAILROAD SYMBOL	SHORT TERM PAVEMENT MARKING
	FOOT	FOOT	FOOT	SQ. FT.	FOOT	FOOT	FOOT	SQ. FT.	FOOT
STA. 2+23 LT.					15				
STA. 2+23 TO 3+90 C	334								
STA. 3+23 LT.					13				70
STA. 3+23 TO 7+25 C									
STA. 3+48 LT.								61.2	
STA. 3+73 LT.					13				
STA. 3+90 TO 8+82 LT./C	1,873	186							
STA. 6+91 TO 6+97 C					30	22			
STA. 6+97 TO 7+50 RT.						92			
STA. 7+22 TO 7+40 RT.					18				
STA. 7+25 TO 11+30 C									100
STA. 8+82 TO 10+46 LT.	328								
STA. 8+82 TO 10+46 C			164						
STA. 9+29 LT.				15.6					
STA. 10+06 LT.				15.6					
STA. 10+98 TO 14+86 LT./RT.	1,510	152							90
STA. 11+30 TO 20+15 C									
STA. 14+86 TO 19+11 C	850								
STA. 19+14 C					36				
STA. 19+17 TO 24+10 C	986								
STA. 19+42 TO 23+44 RT.			416						
STA. 20+15 TO 30+30 C									40
STA. 23+80 TO 24+07 RT.						52			
STA. 24+13 C					36				
STA. 24+16 TO 28+38 C	844								
STA. 28+38 TO 31+09 LT./RT.	1,054	111							
STA. 30+30 TO 37+20 C									40
STA. 31+60 TO 32+98 LT.			135						
STA. 31+60 TO 32+98 RT.	276								
STA. 32+02 C				15.6					
STA. 32+51 C				15.6					
STA. 32+98 TO 33+33 RT.	137	6							
STA. 33+98 TO 36+68 LT./RT.	1,071	116							
STA. 36+68 TO 37+28 C	120								
STA. 50+34 C					34				
STA. 50+34 TO 50+90 LT.			56						
STA. 50+34 TO 52+31 RT./C	388								
STA. 50+42 C				15.6					
STA. 50+82 C				15.6					
STA. 50+90 TO 51+59 LT.						18			
STA. 3+19 TO 37+18									1055
TOTALS	9,772	559	771	93.6	195	166	18	61.2	1395

**PAVEMENT / CURB & GUTTER REMOVAL SCHEDULE**

LOCATION	PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	GUTTER REMOVAL
	SQ. YD.	FOOT	FOOT
STA. 3+19.3 TO 3+25.3 RT.		6	
STA. 3+19.3 TO 3+28.6 LT.		10	
STA. 3+19.3 TO 7+25.0 C	1,072		
STA. 6+81.1 TO 6+98.9 RT.		21	
STA. 6+81.1 TO 7+63.4 RT.	48		
STA. 7+25.0 TO 11+30.0 C	1,058		
STA. 7+44.2 TO 7+63.4 RT.		23	
STA. 9+84.9 TO 12.10.3 LT.	369		
STA. 10+15.2 TO 10+28.0 LT.		14	
STA. 11+30.0 TO 20+15.0 C	2,346		
STA. 11+44.4 TO 11+50.7 LT.		7	
STA. 18+51.6 TO 19+30.8 RT.	104		
STA. 18+52.7 TO 18+77.6 RT.			41
STA. 19+06.6 TO 19+31.0 RT.			39
STA. 20+15.0 TO 30+30.0 C	2,841		
STA. 23+52.9 TO 23+79.4 RT.			42
STA. 23+52.9 TO 24+33.4 RT.	79		
STA. 24+07.4 TO 24+33.4 RT.			42
STA. 30+30.0 TO 37+18.4 C*	3,232		
TOTAL	11,149	81	164

(\*) - QUANTITIES FOR OGLE & PORTER ROAD ARE INCLUDED IN THIS QUANTITY

**SIDEWALK SCHEDULE**

LOCATION	P.C.C. SIDEWALK, 4"	DETECTABLE WARNINGS
	SQ. FT.	SQ. FT.
STA. 2+30.6 TO 3+45.3 RT.	455	
STA. 3+68.6 TO 6+98.5 RT.	1,348	
STA. 6+88 TO 7+00 LT.	435	
STA. 6+93.7 LT.		12
STA. 6+94.3 RT.		8
STA. 7+45.0 TO 7+53.3 RT.	41	
STA. 7+48.9 RT.		8
STA. 19+07.6 TO 19+19.6 LT.	54	
STA. 19+10.9 TO 20+18.5 RT.	439	
STA. 19+13.6 LT.		12
STA. 19+14.1 RT.		8
STA. 20+43.7 TO 20+75.7 RT.	128	
STA. 21+02.7 TO 21+39.2 RT.	146	
STA. 21+67.4 TO 21+95.1 RT.	111	
STA. 22+20.4 TO 22+86.5 RT.	264	
STA. 23+10.5 TO 23+78.8 RT.	300	
STA. 23+77.0 RT.		8
STA. 24+07.0 TO 24+19.0 LT.	54	
STA. 24+08.5 TO 25+24.7 RT.	521	
STA. 24+10.8 RT.		8
STA. 24+13.0 LT.		12
STA. 24+13.6 RT.		8
STA. 25+63.3 TO 26+46.5 RT.	334	
STA. 26+88.2 TO 27+06.8 RT.	75	
STA. 27+27.2 TO 30+94.8 RT.	1,510	
TOTAL	6,215	84

**STORM SEWER SCHEDULE**

No.	STRUCTURE PT. - PT.	RUBBER GASKET, CLASS A, TYPE 1					WATER MAIN REQUIREMENTS				TRENCH BACKFILL (CU YD)
		12" (FOOT)	15" (FOOT)	18" (FOOT)	24" (FOOT)	36" (FOOT)	12" (FOOT)	15" (FOOT)	18" (FOOT)	21" (FOOT)	
1	3 - DITCH				104						0
3	4 - 3				77						11
4	5 - 4	32									4
5	6 - 4			173							24
6	7 - 6	40									5
7	EX1 - 6							102			11
8	8 - EX2					23					6
9	9 - 8		128								42
10	10 - 9	43									6
11	12 - 11	38									5
12	11 - 13					122					39
13	14 - 13		16								0
14	15 - 14		34								8
15	16 - 14		126								38
16	17 - 16	31									4
17	19 - 18	31									4
18	18 - 21						177				21
19	21 - 20				7						0
20	22 - 21								36		7
21	23 - 22						38				5
22	25 - 22							113			27
23	26 - 25					38					2
24	27 - 28		157								19
25	28 - 29					7					0
26	30 - 28					31					8
27	30 - 29					22					0
28	31 - 28			173							31
29	32 - 31	31									4
30	33 - 29		140								31
31	34 - 33	31									4
32	36 - 35	47									6
33	35 - 37		145								34
34	37 - 38		18								0
35	39 - 34		46								5
36	40 - 39	105									25
37	40 - 41	43									6
38	43 - 42			104							0
39	44 - 43	36									5
40	45 - 43		140								34
41	46 - 45		31								4
42	47 - 45	35									5
43	48 - 46	35									7
TOTALS		578	981	450	188	60	183	317	113	36	494

**STORM SEWER & DRAINAGE STRUCTURE SCHEDULE**

PT	LOCATION STATION / OFFSET	DESCRIPTION	TOP MASONRY (1)	FLOWLINE			
				N	S	E	W
3	3+37.00 17.5'R	INLET SPECIAL - 4'X4'	546.92	543.44	543.24		
4	4+18.00 17.5'R	INLET SPECIAL - 4'X4'	546.65	543.87	543.67		543.77
5	4+18.00 18.5'L	INLET SPECIAL - 4'X4'	546.63			544.12	
6	5+95.00 17.5'R	INLET SPECIAL - 4'X4'	547.95	544.94	544.74		544.84
7	5+95.00 24.3'L	INLET SPECIAL - 4'X4'	547.84			545.33	
EX 1	6+99.27 26.4'R	EXISTING INLET		546.93	546.83		
EX 2	7+43.21 27.0'R	EXISTING INLET		547.26	547.16		
8	7+67.64 17.5'R	INLET SPECIAL - 4'X4'	551.43	547.83	547.63		
9	9+00.00 17.5'R	INLET SPECIAL - 4'X4'	554.34		550.54		550.74
10	9+00.00 29.5'L	INLET SPECIAL - 4'X4'	554.16			551.17	
11	12+66.00 17.5'R	INLET SPECIAL - 4'X4'	557.03	553.23			553.43
12	12+66.00 24.8'L	INLET SPECIAL - 4'X4'	556.92			553.81	
13	13+82.00 26.4'R	15" END SECTION				550.00	
14	13+95.00 17.5'R	INLET SPECIAL - 4'X4'	555.38	550.68	550.68	550.78	550.58
15	13+95.00 20.6'L	INLET SPECIAL - 4'X4'	555.33			551.73	
16	15+25.00 17.5'R	INLET SPECIAL - 4'X4'	556.24		553.24		553.44
17	15+25.00 17.5'L	INLET SPECIAL - 4'X4'	556.24			553.72	
18	18+39.00 17.5'R	INLET SPECIAL - 4'X4'	555.72	552.12			552.32
19	18+39.00 17.5'L	INLET SPECIAL - 4'X4'	555.72			552.63	
20	20+19.27 32.0'R	EXISTING 36" CMP PIPE CULVERT					550.66
21	20+20.10 22.5'R	MANHOLE, T A, 5' DIA., TYPE 24 F&G *	553.13	550.86	550.86	550.76	
22	20+58.00 24.5'R	INLET SPECIAL - 4'X4'	554.32	551.33	551.13		551.23
23	20+58.00 17.5'L	INLET SPECIAL - 4'X4'	554.43			551.71	551.91
24	21+75.00 24.5'R	INLET SPECIAL - 4'X4'	554.59		551.90		552.00
25	21+75.00 17.5'L	INLET SPECIAL - 4'X4'	554.70			552.19	
26	23+56.84 24.5'R	INLET SPECIAL - 4'X4'	554.33	550.73			
27	25+17.17 17.5'R	INLET SPECIAL - 4'X4'	552.66	548.47		548.37	548.57
28	25+16.00 25.4'R	36" END SECTION		548.33			
29	25+23.00 15.5'L	MANHOLE, T A, 5' DIA., TYPE 24 F&G *	551.90			548.67	548.87
30	25+43.21 30.3'L	PIPE ELBOW 36" - 22W BEND		550.50	550.47		
31	26+97.50 17.5'R	INLET SPECIAL - 4'X4'	554.83	551.43	551.23		551.33
32	26+97.50 17.5'L	INLET SPECIAL - 4'X4'	554.83			551.74	
33	28+38.50 17.5'R	INLET SPECIAL - 4'X4'	557.55		553.95		554.15
34	28+38.50 17.5'L	INLET SPECIAL - 4'X4'	557.52			554.46	
35	31+77.00 27.2'R	INLET SPECIAL - 4'X4'	557.80	555.11			555.21
36	31+77.00 23.5'L	INLET SPECIAL - 4'X4'	557.86			555.35	
37	33+20.00 27.1'R	INLET SPECIAL - 4'X4'	558.43	554.58	554.78	554.68	
38	33+17.93 46.9'R	15" END SECTION		554.43			
39	33+20.00 23.5'L	INLET SPECIAL - 4'X4'	558.48			555.29	555.49
40	34+35.00 23.4'L	INLET SPECIAL - 4'X4'	559.77	556.74			556.54
41	34+35.00 23.3'R	INLET SPECIAL - 4'X4'	559.77		557.17		
42	34+75.00 36.5'R	18" END SECTION		557.78			
43	35+70.00 19.9'R	INLET SPECIAL - 4'X4'	561.47		558.56	558.66	558.46
44	35+70.00 20.0'L	INLET SPECIAL - 4'X4'	561.47	558.89			
45	37+12.50 17.4'R	INLET SPECIAL - 4'X4'	563.25		559.85	560.05	559.95
46	37+12.50 17.5'L	INLET SPECIAL - 4'X4'	563.25	560.25		560.45	
47	37+50.00 17.5'R	12" END SECTION					561.74
48	37+50.00 17.5'L	12" END SECTION					561.59

(1) - INCLUDES LID FOR INLET SPECIAL NOTE: OFFSETS TO ALL INLETS ARE TO THE CENTER OF THE DRAINAGE STRUCTURE. A CONCENTRIC CENTER STRUCTURE WAS USED TO CALCULATE THIS DISTANCE.  
 (\*) - DENOTES FLAT SLAB TOP

ROUTE 9170	SECTION 03-00054-00-RP	COUNTY ST. CLAIR	TOTAL SHEETS 41	SHEET NUMBER 6
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT		CONTRACT 97335		

**DRAINAGE REMOVAL SCHEDULE**

LOCATION	DESCRIPTION	PIPE CULVERT REMOVAL	REMOVING INLETS
		FOOT	EACH
STA. 3+54 RT.	15" CMP	24	
STA. 5+45 LT.	18" CMP	20	
STA. 6+85 RT.	12" CMP	27	
STA. 7+58 RT.	12" CMP	28	
STA. 8+25 RT.	12" CMP	24	
STA. 9+58 RT.	12" CMP	30	
STA. 11+65 RT.	12" CMP	56	
STA. 12+38 RT.	12" CMP	20	
STA. 13+80 C	18" CMP	40	
STA. 14+87 LT.	12" CMP	20	
STA. 14+99 RT.	12" CMP	20	
STA. 19+14 LT.	12" RCCP	26	
STA. 20+20 RT.			1
STA. 20+31 RT.	24" CMP	22	
STA. 20+43 RT.			
STA. 20+43 C	24"X42" CMP	36	1
STA. 20+90 RT.	12" CMP	22	
STA. 21+10 LT.	12" CMP	20	
STA. 21+49 RT.	8" CMP	14	
STA. 24+13 LT.	12" RCCP	26	
STA. 25+17 C	28"X40" CMP	36	
STA. 25+42 LT.	36" END SECTION	5	
STA. 25+45 RT.	12" CMP	40	
STA. 26+65 RT.	12" CMP	49	
STA. 27+16 RT.	12" RCCP	25	
STA. 33+18 RT.	18" CMP	43	
STA. 34+97 RT.	18" CMP	24	
STA. 51+26 C	12" CMP	49	
STA. 60+67 LT.	18" CMP	21	
TOTAL		767	2

**EARTHWORK SCHEDULE**

STAGE	LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	FURNISHED EXCAVATION
		CU YD	CU YD			
1	39+18.35 TO 30+30	718	539	642	-103	0
1	60+20 TO 61+50	440	330	10	+320	0
1a	50+20 TO 52+20.88	14	11	82	-71	0
2	30+30 TO 20+15	505	379	602	-223	77
3	20+15 TO 11+30	597	448	348	+100	77
4	11+30 TO 7+25	171	128	353	-225	125
5	7+25 TO 2+22.78	294	221	177	+44	125
TOTAL		2,739	2,056	2,214	-158	125

**SEEDING / EROSION CONTROL SCHEDULE**

STAGE	LOCATION	SEEDING CLASS 1 ACRE	MULCH METHOD 2 ACRE	FERTILIZER NUTRIENTS			TEMPORARY EROSION CONTROL SEEDING POUND	PERIMETER EROSION BARRIER FOOT	INLET AND PIPE PROTECTION EACH	TEMPORARY DITCH CHECKS EACH
				NITROGEN POUND	PHOSPHORUS POUND	POTASSIUM POUND				
1	37+18.35 TO 30+30	0.63	0.63	56.7	56.7	56.7	83		4	
2	30+30 TO 20+15	0.49	0.49	44.1	44.1	44.1	49	200		
3	20+15 TO 11+30	0.46	0.46	41.4	41.4	41.4	46	200		
4	11+30 TO 7+25	0.18	0.18	16.2	16.2	16.2	18			
5	7+25 TO 2+22.78	0.17	0.17	15.3	15.3	15.3	17		1	
TOTAL		1.93	1.93	173.7	173.7	173.7	193	400	4	

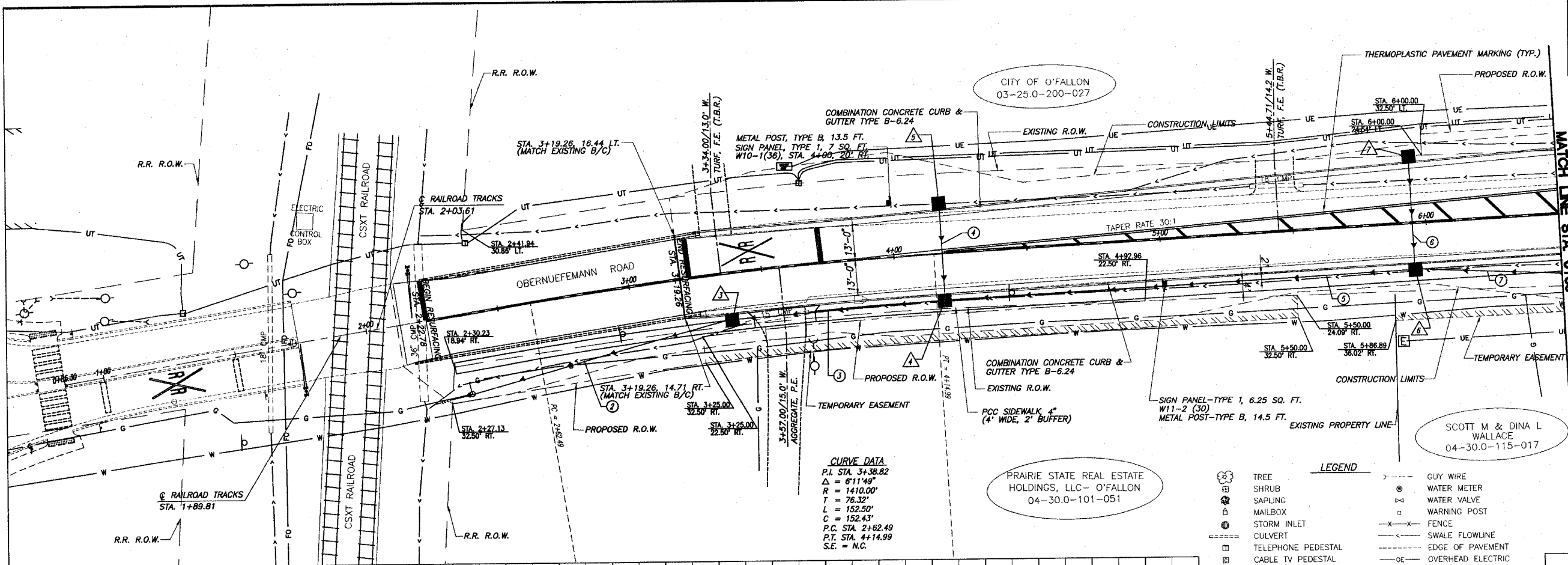
**PAVING SCHEDULE**

STAGE	LOCATION	PROCESSING MODIFIED SOIL 12"	LIME	SUB-BASE GRANULAR MATERIAL, TYPE A	HMA BINDER CRSE. IL-19.0, N70-4"	BIT. MATERIALS (PRIME COAT) GALLON	AGGREGATE (PRIME COAT) TON	HMA SURFACE CRSE., MIX "D", N70-2" TON	COMB. CONC. C&G B-6.24 FT
		SO YD	TON	TON	TON				
1	37+18.35 TO 30+30	3,052	59		598				1,119
1	60+20 TO 61+50	850	16		53				217
1a	50+20 TO 52+20.88				90				177
2	30+30 TO 20+15			2,576	740				2,034
3	20+15 TO 11+30	3,359	65		641				1,760
4	11+30 TO 7+25	1,940	37		384				693
5	7+25 TO 3+19.26	1,609	31		311				788
6	2+22.78 TO 37+18.35					1,015	20.4	1,658	
TOTAL		10,810	208	2,576	2,817	1,015	20.4	1,658	6,788

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	7
STA. 2+22.78		TO		STA. 37+18.35
FEDERAL AID PROJECT		CONTRACT 97335		

COORDINATE TABLE		
STATION/DESCRIPTION	NORTHING	EASTING
TRAV PIN 2	2589.04	4206.56
TRAV PIN 8	3905.83	4319.67
TRAV PIN 10	4419.88	4556.00
TRAV PIN 17	5053.87	4912.98
TRAV PIN 87	3401.17	4116.43
C STA. 0+85.30	2305.36	4221.70
P.C. STA. 2+62.49	2480.19	4192.88
P.T. STA. 4+14.99	2631.71	4176.25
P.C. STA. 9+54.76	3170.65	4146.46

SEE SHEET 3 FOR HORIZONTAL CONTROL TIE POINTS

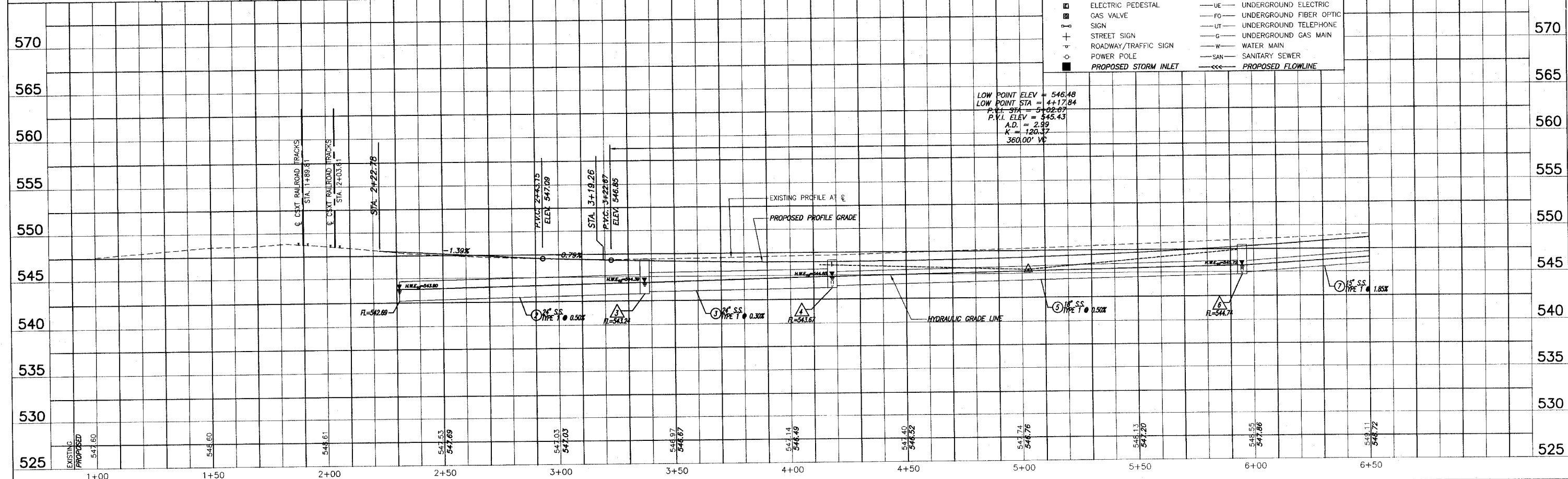


**CURVE DATA**  
 P.I. STA. 3+38.82  
 $\Delta = 6'11.49"$   
 $R = 1410.00'$   
 $T = 76.32'$   
 $L = 152.32'$   
 $C = 152.43'$   
 P.C. STA. 2+62.49  
 P.T. STA. 4+14.99  
 S.E. = N.C.

**LEGEND**

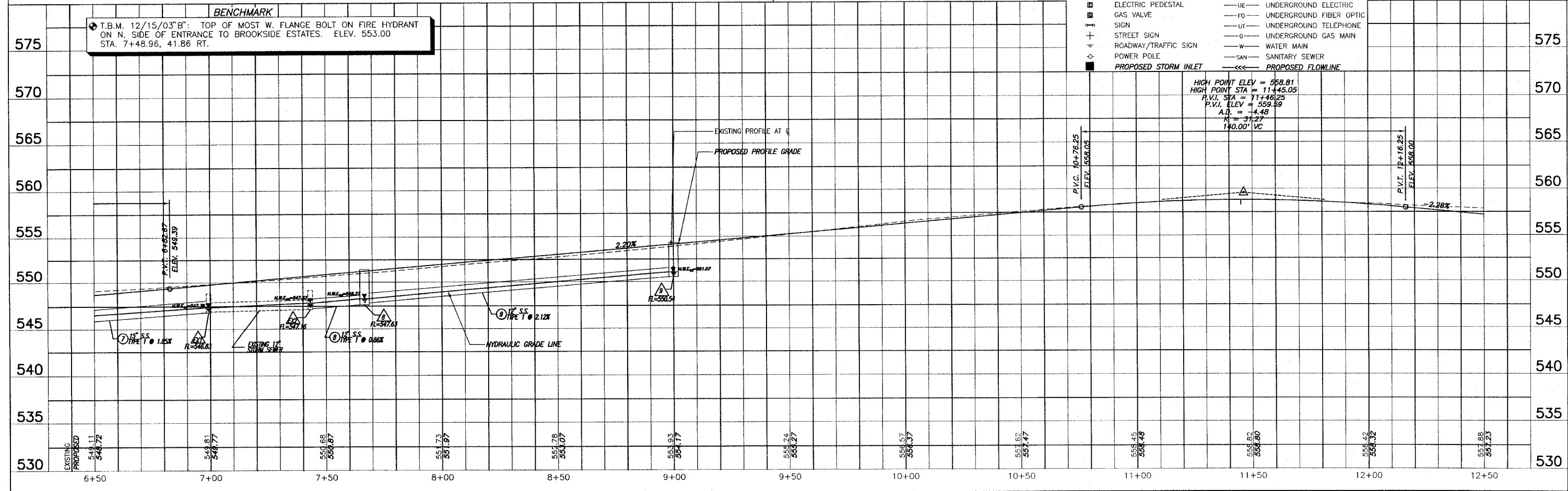
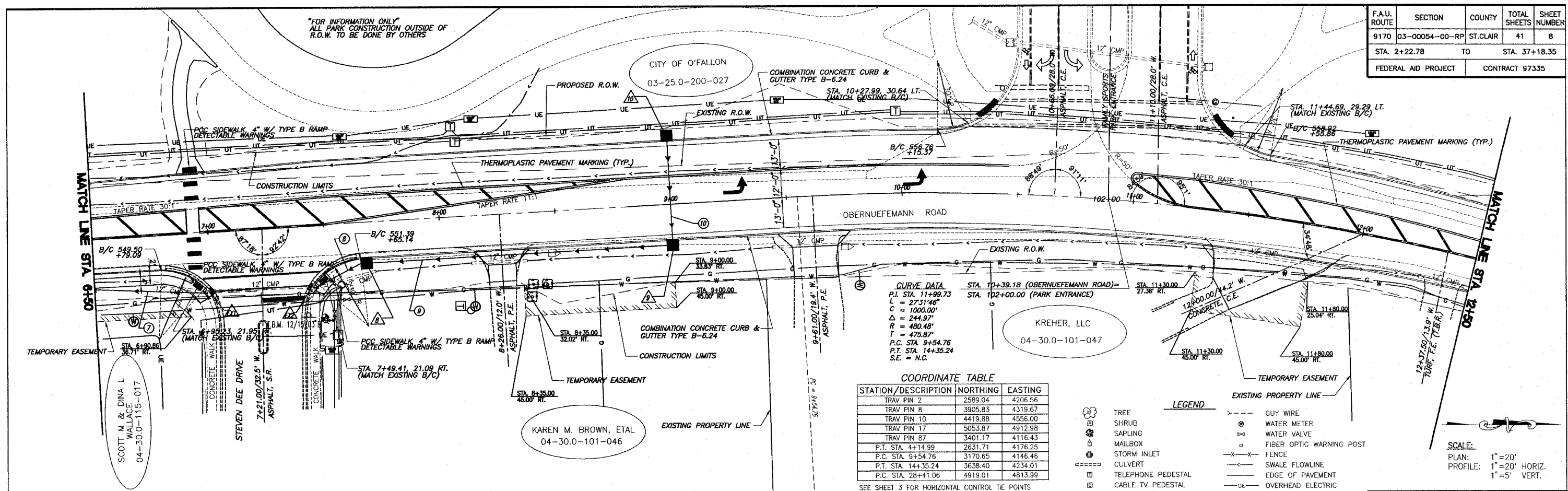
	TREE		GUY WIRE
	SHRUB		WATER METER
	SAPLING		WATER VALVE
	MAILBOX		WARNING POST
	STORM INLET		FENCE
	CULVERT		SWALE FLOWLINE
	TELEPHONE PEDESTAL		EDGE OF PAVEMENT
	CABLE TV PEDESTAL		OVERHEAD ELECTRIC
	ELECTRIC PEDESTAL		UNDERGROUND ELECTRIC
	GAS VALVE		UNDERGROUND FIBER OPTIC
	SIGN		UNDERGROUND TELEPHONE
	STREET SIGN		UNDERGROUND GAS MAIN
	ROADWAY/TRAFFIC SIGN		WATER MAIN
	POWER POLE		SANITARY SEWER
	PROPOSED STORM INLET		PROPOSED FLOWLINE

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



**ROADWAY PLAN AND PROFILE OBERNUEFEMANN ROAD IMPROVEMENTS**  
 SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	8
STA. 2+22.78 TO STA. 37+18.35		FEDERAL AID PROJECT CONTRACT 97335		

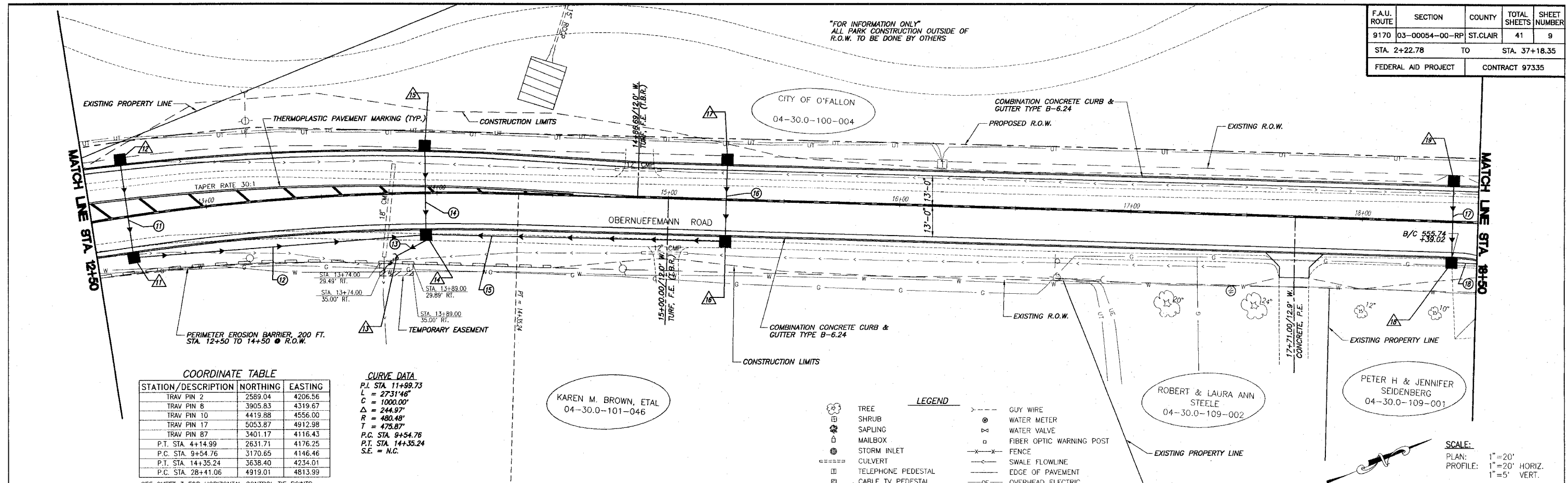


ROADWAY PLAN AND PROFILE OBERNUEFEMANN ROAD IMPROVEMENTS SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS

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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	9
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT		CONTRACT 97335		

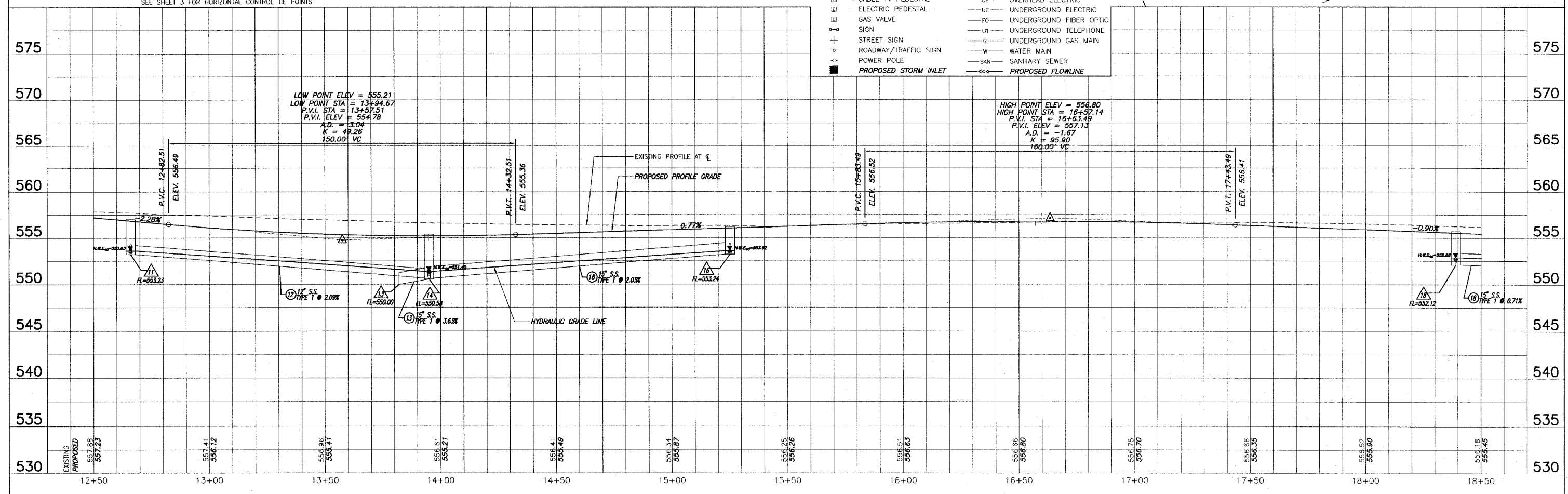


**COORDINATE TABLE**

STATION/DESCRIPTION	NORTHING	EASTING
TRAV PIN 2	2589.04	4206.56
TRAV PIN 8	3905.83	4319.67
TRAV PIN 10	4419.88	4556.00
TRAV PIN 17	5053.87	4912.98
TRAV PIN 87	3401.17	4116.43
P.T. STA. 4+14.99	2631.71	4176.25
P.C. STA. 9+54.76	3170.65	4146.46
P.T. STA. 14+35.24	3638.40	4234.01
P.C. STA. 28+41.06	4919.01	4813.99

**CURVE DATA**  
P.I. STA. 11+99.73  
L = 2731.46'  
C = 1000.00'  
Δ = 244.97°  
R = 480.48'  
T = 475.87'  
P.C. STA. 9+54.76  
P.T. STA. 14+35.24  
S.E. = N.C.

- LEGEND**
- TREE
  - SHRUB
  - ◇ SAPLING
  - MAILBOX
  - STORM INLET
  - CULVERT
  - TELEPHONE PEDESTAL
  - CABLE TV PEDESTAL
  - ELECTRIC PEDESTAL
  - GAS VALVE
  - SIGN
  - STREET SIGN
  - ROADWAY/TRAFFIC SIGN
  - POWER POLE
  - PROPOSED STORM INLET
  - GUY WIRE
  - WATER METER
  - WATER VALVE
  - FIBER OPTIC WARNING POST
  - FENCE
  - SWALE FLOWLINE
  - EDGE OF PAVEMENT
  - OVERHEAD ELECTRIC
  - UNDERGROUND ELECTRIC
  - UNDERGROUND FIBER OPTIC
  - UNDERGROUND TELEPHONE
  - UNDERGROUND GAS MAIN
  - WATER MAIN
  - SANITARY SEWER
  - PROPOSED FLOWLINE



ROADWAY PLAN AND PROFILE OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS

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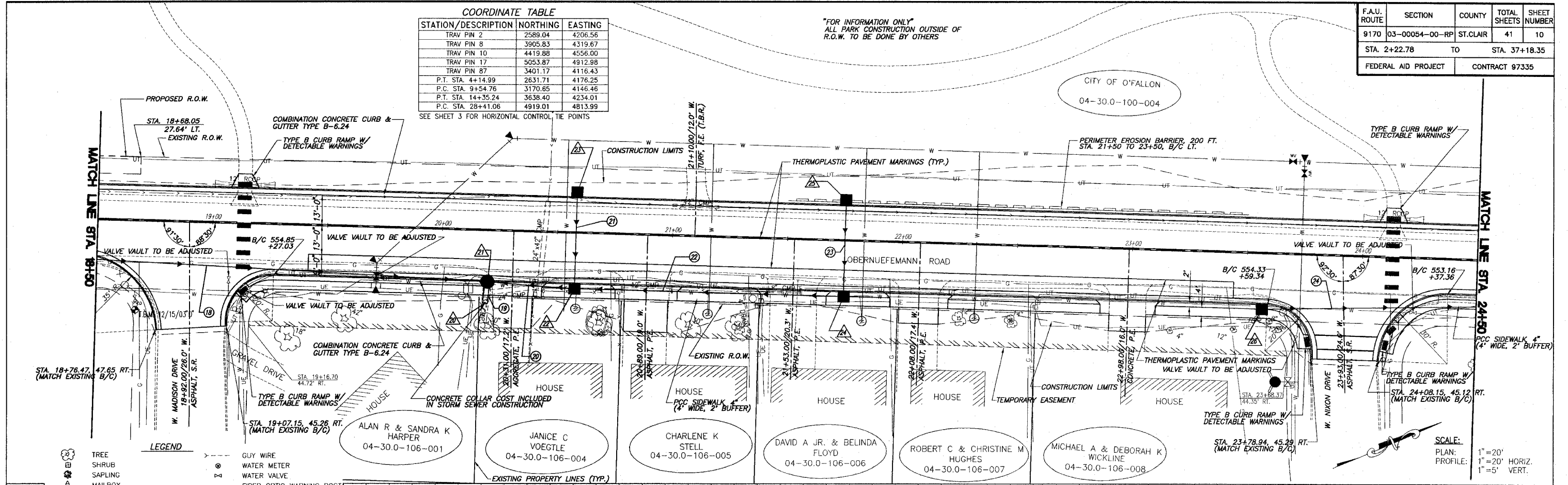
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	10
STA. 2+22.78 TO STA. 37+18.35				
FEDERAL AID PROJECT			CONTRACT 97335	

COORDINATE TABLE

STATION/DESCRIPTION	NORTHING	EASTING
TRAV PIN 2	2589.04	4206.56
TRAV PIN 8	3905.83	4319.67
TRAV PIN 10	4419.88	4556.00
TRAV PIN 17	5053.87	4912.98
TRAV PIN 87	3401.17	4116.43
P.T. STA. 4+14.99	2631.71	4176.25
P.C. STA. 9+54.76	3170.85	4146.46
P.T. STA. 14+35.24	3638.40	4234.01
P.C. STA. 28+41.06	4919.01	4813.99

SEE SHEET 3 FOR HORIZONTAL CONTROL TIE POINTS

"FOR INFORMATION ONLY"  
ALL PARK CONSTRUCTION OUTSIDE OF  
R.O.W. TO BE DONE BY OTHERS

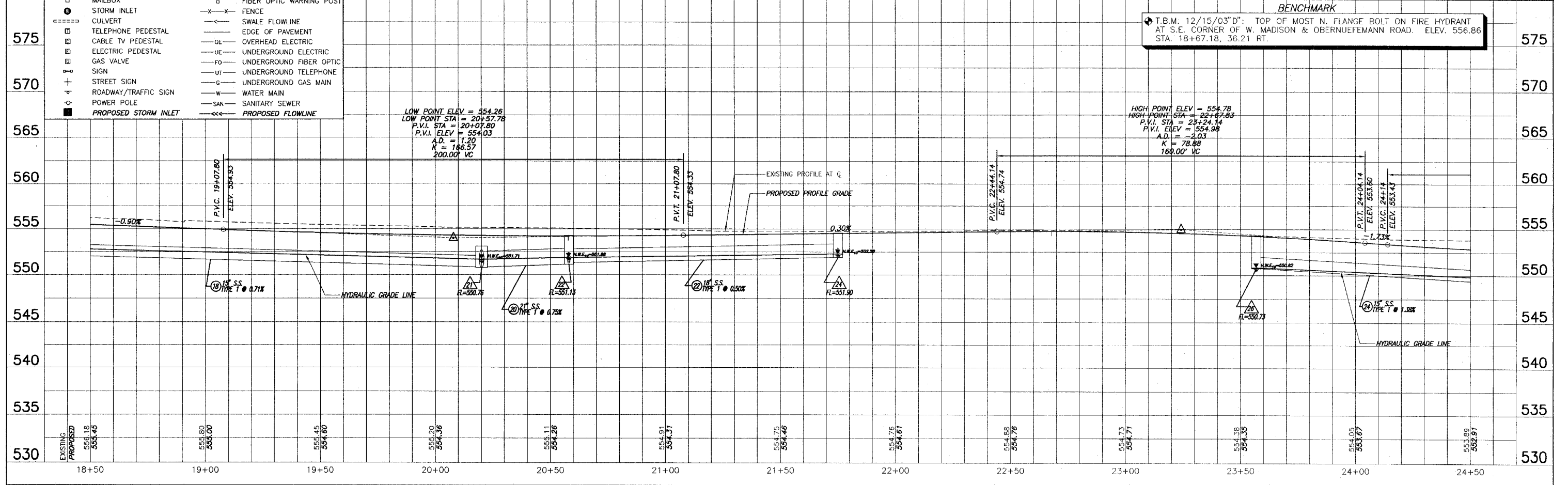


LEGEND

	TREE		GUY WIRE
	SHRUB		WATER METER
	SAPLING		WATER VALVE
	MAILBOX		FIBER OPTIC WARNING POST
	STORM INLET		FENCE
	CULVERT		SWALE FLOWLINE
	TELEPHONE PEDESTAL		EDGE OF PAVEMENT
	CABLE TV PEDESTAL		OVERHEAD ELECTRIC
	ELECTRIC PEDESTAL		UNDERGROUND ELECTRIC
	GAS VALVE		UNDERGROUND FIBER OPTIC
	SIGN		UNDERGROUND TELEPHONE
	STREET SIGN		UNDERGROUND GAS MAIN
	ROADWAY/TRAFFIC SIGN		WATER MAIN
	POWER POLE		SANITARY SEWER
	PROPOSED STORM INLET		PROPOSED FLOWLINE

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

BENCHMARK  
T.B.M. 12/15/03"D": TOP OF MOST N. FLANGE BOLT ON FIRE HYDRANT  
AT S.E. CORNER OF W. MADISON & OBERNUEFEMANN ROAD. ELEV. 556.86  
STA. 18+67.18, 36.21 RT.



E:\91351 - O'Fallon Obernuefemann Road\Draw\10 - PP.dwg, 2/27/2008, 12:46:03 PM, Plotted by P.A.L.

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	11
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT		CONTRACT 97335		

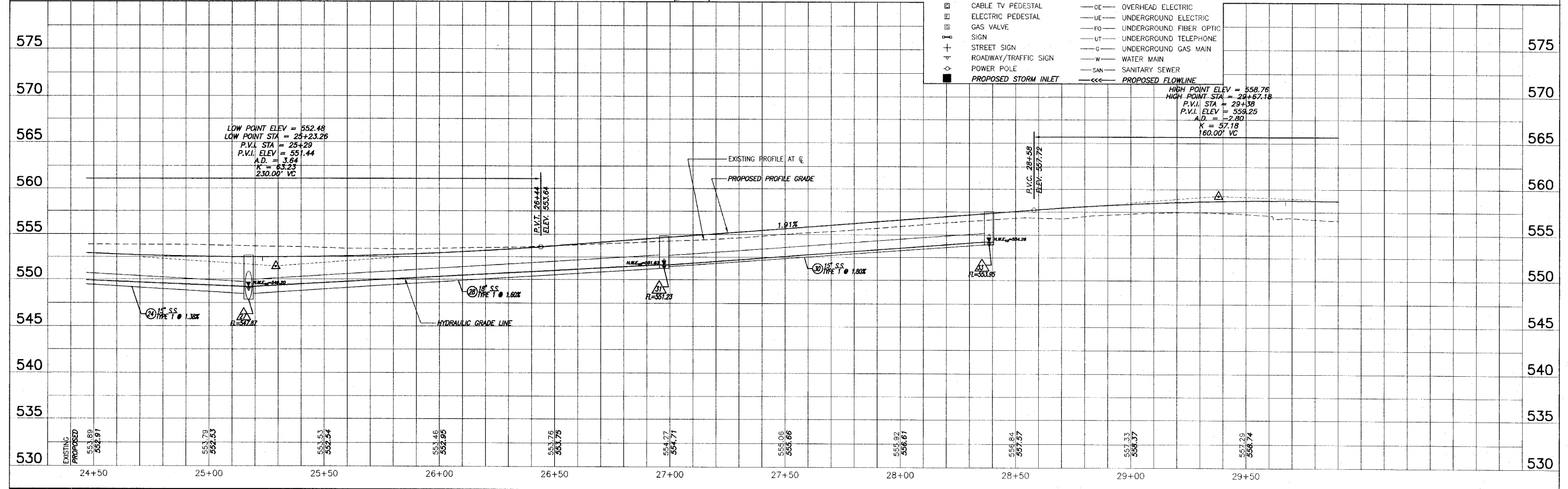
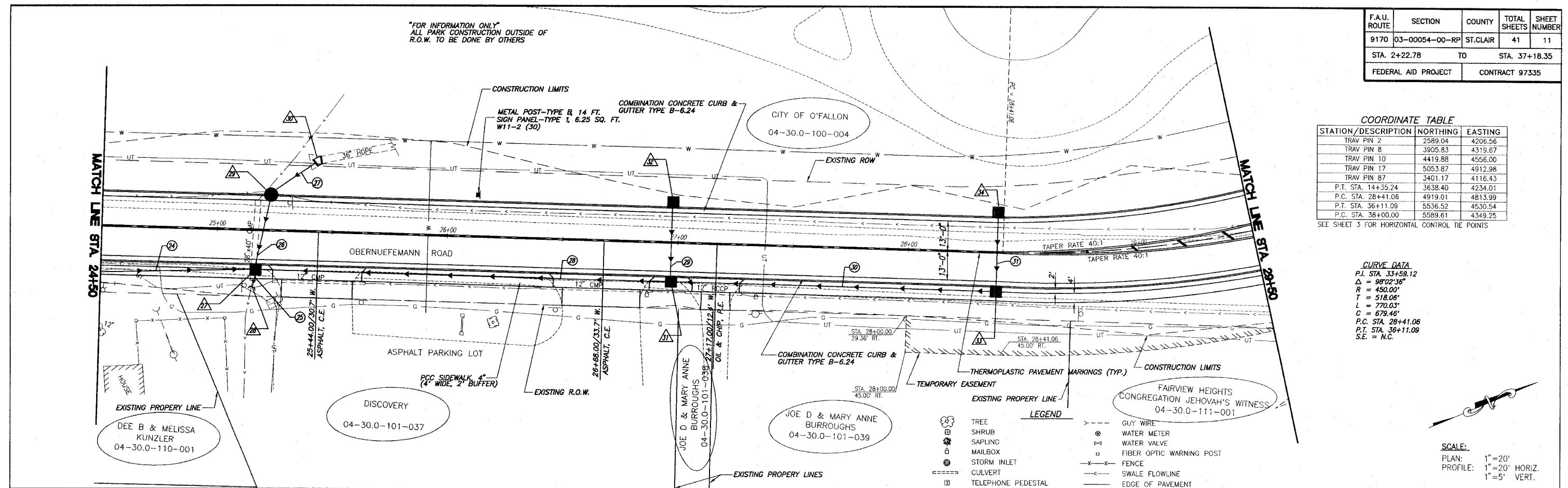
**COORDINATE TABLE**

STATION/DESCRIPTION	NORTHING	EASTING
TRAV PIN 2	2589.04	4206.56
TRAV PIN 8	3905.83	4319.67
TRAV PIN 10	4419.88	4556.00
TRAV PIN 17	5053.87	4912.98
TRAV PIN 87	3401.17	4116.43
P.T. STA. 14+35.24	3638.40	4234.01
P.C. STA. 28+41.06	4919.01	4813.99
P.T. STA. 36+11.09	5536.52	4530.54
P.C. STA. 38+00.00	5589.61	4349.25

SEE SHEET 3 FOR HORIZONTAL CONTROL TIE POINTS

**CURVE DATA**  
P.I. STA. 33+59.12  
 $\Delta = 98^{\circ}02'36"$   
 $R = 450.00'$   
 $T = 518.06'$   
 $L = 770.03'$   
 $C = 679.46'$   
P.C. STA. 28+41.06  
P.T. STA. 36+11.09  
S.E. = N.C.

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



**ROADWAY PLAN AND PROFILE OBERNUEFEMANN ROAD IMPROVEMENTS SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS**

E:\NE103 - O'Fallon, Obernuefemann Road\Drawings\11\_Plan.dwg, 2/25/2008 12:38:12 PM, Michael R. H.A.L.

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	12
STA. 2+22.78		TO		STA. 37+18.35
FEDERAL AID PROJECT		CONTRACT 97335		

**COORDINATE TABLE**

STATION/DESCRIPTION	NORTHING	EASTING
TRAV PIN 2	2589.04	4206.56
TRAV PIN 8	3905.83	4319.67
TRAV PIN 10	4419.88	4556.00
TRAV PIN 17	5053.87	4912.98
TRAV PIN 87	3401.17	4116.43
P.T. STA. 14+35.24	3638.40	4234.01
P.C. STA. 28+41.06	4919.01	4813.99
P.T. STA. 36+11.09	5536.52	4530.54
P.C. STA. 38+00.00	5589.61	4349.25

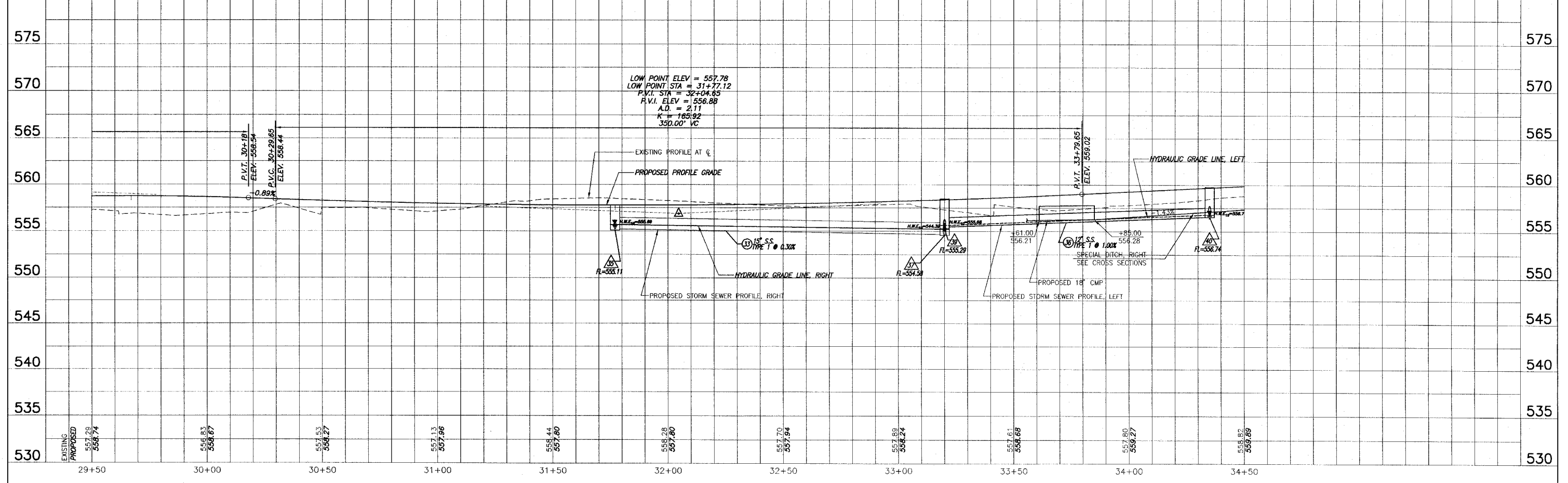
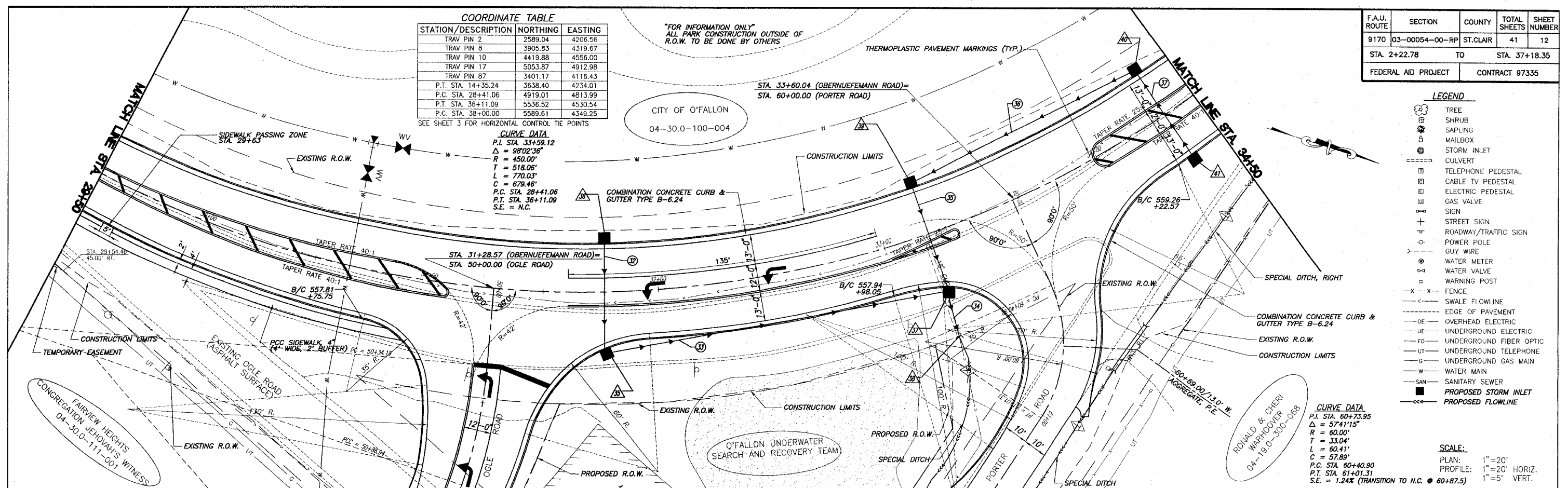
SEE SHEET 3 FOR HORIZONTAL CONTROL TIE POINTS

**CURVE DATA**  
P.I. STA. 33+59.12  
 $\Delta = 98^{\circ}02'36''$   
 $R = 450.00'$   
 $T = 518.06'$   
 $L = 770.03'$   
 $C = 679.46'$   
P.C. STA. 28+41.06  
P.T. STA. 36+11.09  
S.E. = N.C.

**CURVE DATA**  
P.I. STA. 60+73.95  
 $\Delta = 57^{\circ}41'15''$   
 $R = 60.00'$   
 $T = 33.04'$   
 $L = 60.41'$   
 $C = 57.89'$   
P.C. STA. 60+40.90  
P.T. STA. 61+01.31  
S.E. = 1.24% (TRANSITION TO N.C. @ 60+87.5)

- LEGEND**
- TREE
  - SHRUB
  - SAPLING
  - MAILBOX
  - STORM INLET
  - CULVERT
  - TELEPHONE PEDESTAL
  - CABLE TV PEDESTAL
  - ELECTRIC PEDESTAL
  - GAS VALVE
  - SIGN
  - STREET SIGN
  - ROADWAY/TRAFFIC SIGN
  - POWER POLE
  - GUY WIRE
  - WATER METER
  - WATER VALVE
  - WARNING POST
  - FENCE
  - SWALE FLOWLINE
  - EDGE OF PAVEMENT
  - OVERHEAD ELECTRIC
  - UNDERGROUND ELECTRIC
  - UNDERGROUND FIBER OPTIC
  - UNDERGROUND TELEPHONE
  - UNDERGROUND GAS MAIN
  - WATER MAIN
  - SANITARY SEWER
  - PROPOSED STORM INLET
  - PROPOSED FLOWLINE

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



**ROADWAY PLAN AND PROFILE OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS**

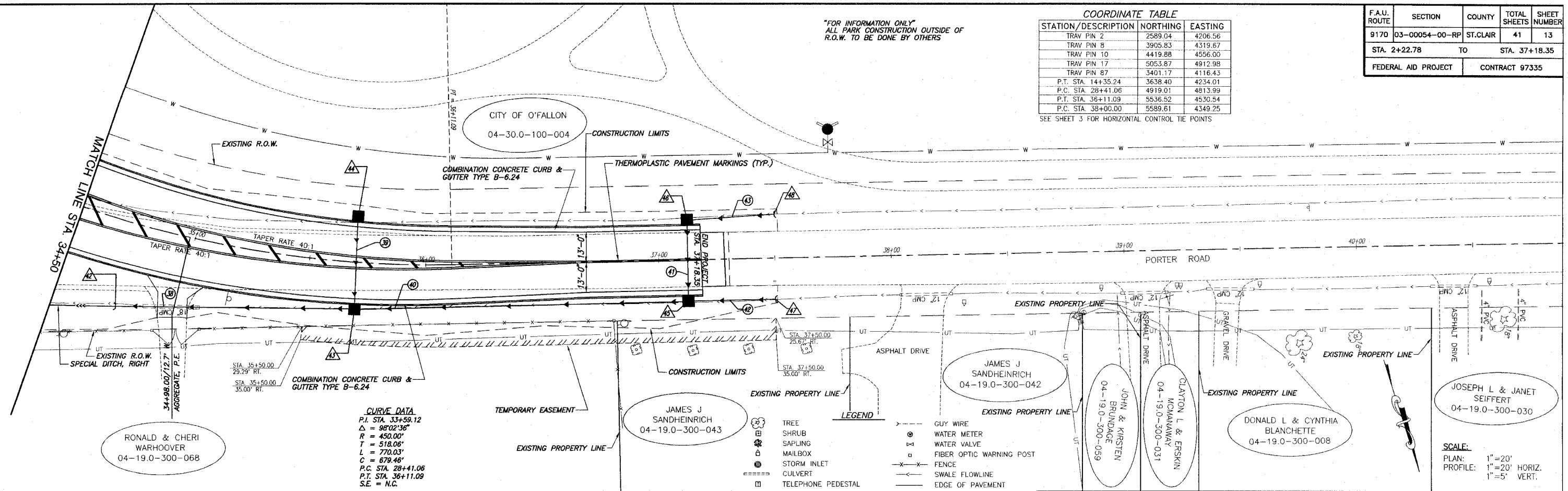
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"FOR INFORMATION ONLY"  
ALL PARK CONSTRUCTION OUTSIDE OF  
R.O.W. TO BE DONE BY OTHERS

COORDINATE TABLE		
STATION/DESCRIPTION	NORTHING	EASTING
TRAV PIN 2	2589.04	4206.56
TRAV PIN 8	3905.83	4319.67
TRAV PIN 10	4419.88	4556.00
TRAV PIN 17	5053.87	4912.98
TRAV PIN 87	3401.17	4116.43
P.T. STA. 14+35.24	3638.40	4234.01
P.C. STA. 28+41.06	4919.01	4813.99
P.T. STA. 36+11.09	5536.52	4530.54
P.C. STA. 38+00.00	5589.61	4349.25

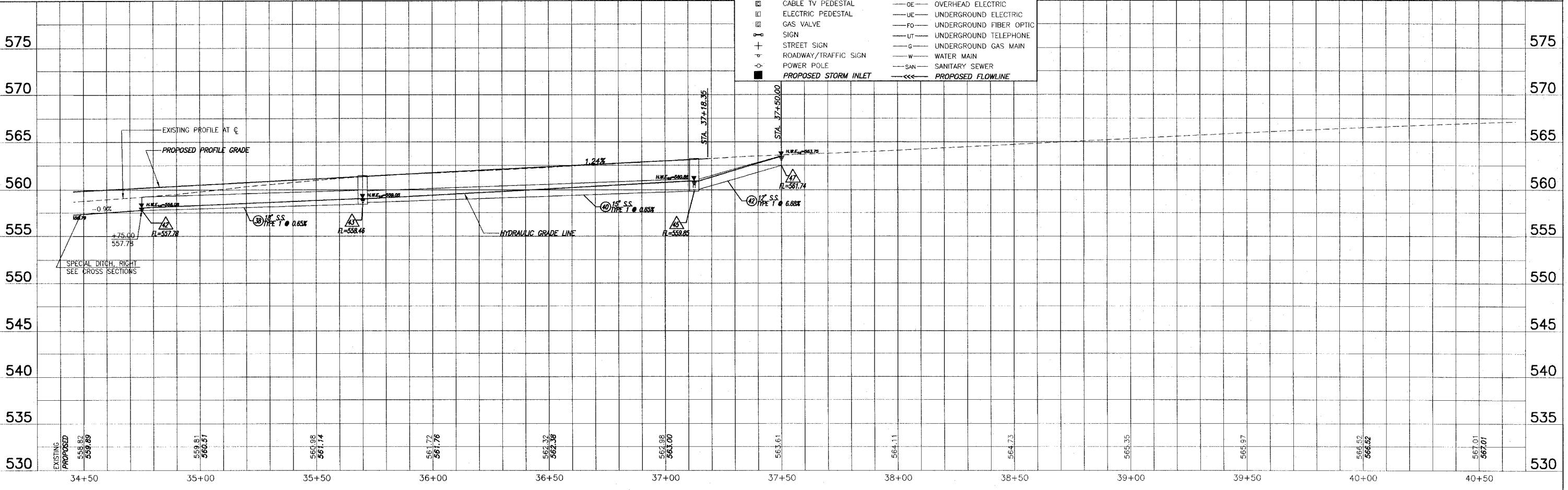
SEE SHEET 3 FOR HORIZONTAL CONTROL TIE POINTS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	13
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	



**CURVE DATA**  
 P.I. STA. 33+59.12  
 $\Delta = 98^{\circ}02'36"$   
 $R = 450.00'$   
 $T = 518.06'$   
 $L = 770.03'$   
 $C = 679.46'$   
 P.C. STA. 28+41.06  
 P.T. STA. 36+11.09  
 S.E. = N.C.

- LEGEND**
- TREE
  - SHRUB
  - SApPLING
  - MAILBOX
  - STORM INLET
  - CULVERT
  - TELEPHONE PEDESTAL
  - CABLE TV PEDESTAL
  - ELECTRIC PEDESTAL
  - GAS VALVE
  - SIGN
  - STREET SIGN
  - ROADWAY/TRAFFIC SIGN
  - POWER POLE
  - PROPOSED STORM INLET
  - GUY WIRE
  - WATER METER
  - WATER VALVE
  - FIBER OPTIC WARNING POST
  - FENCE
  - SWALE FLOWLINE
  - EDGE OF PAVEMENT
  - OE OVERHEAD ELECTRIC
  - UE UNDERGROUND ELECTRIC
  - FO UNDERGROUND FIBER OPTIC
  - UT UNDERGROUND TELEPHONE
  - G UNDERGROUND GAS MAIN
  - W WATER MAIN
  - SAN SANITARY SEWER
  - PROPOSED FLOWLINE

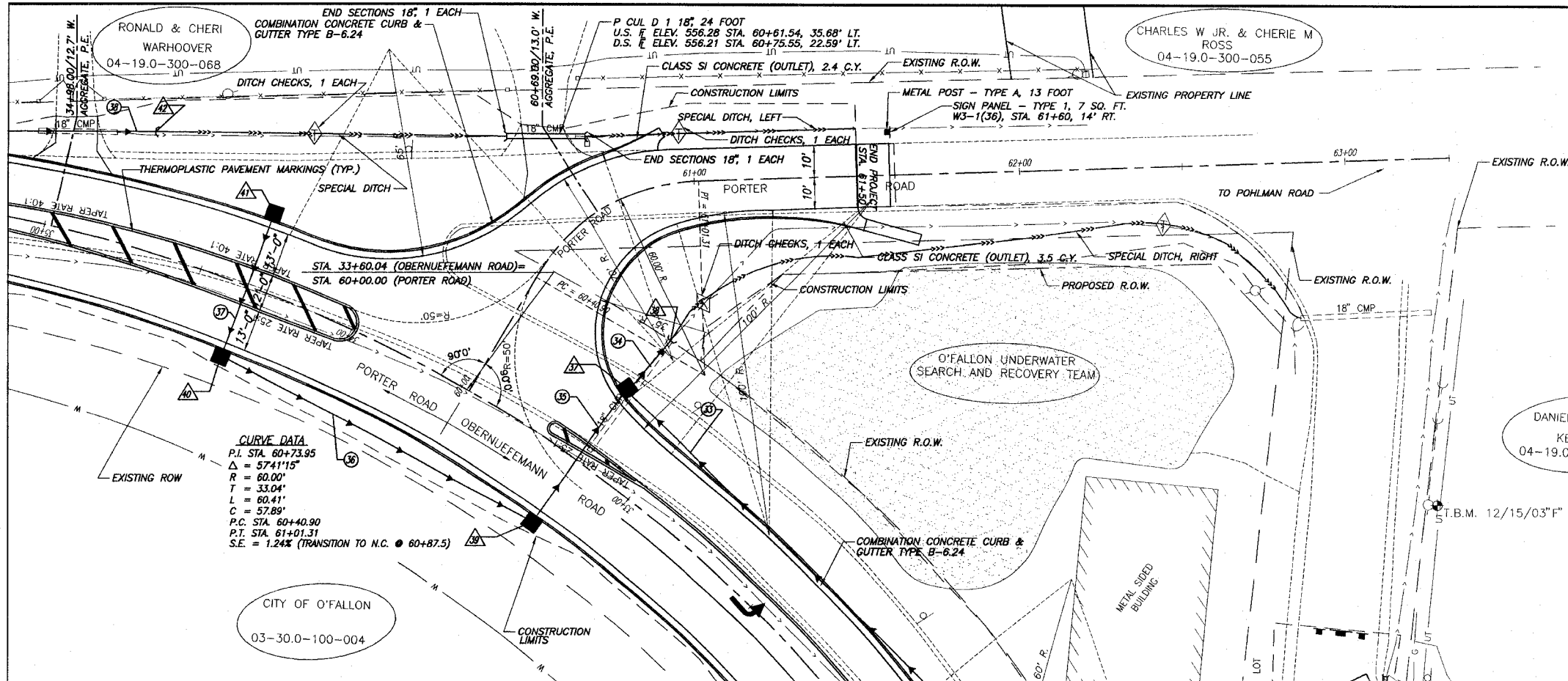


ROADWAY PLAN AND PROFILE OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS

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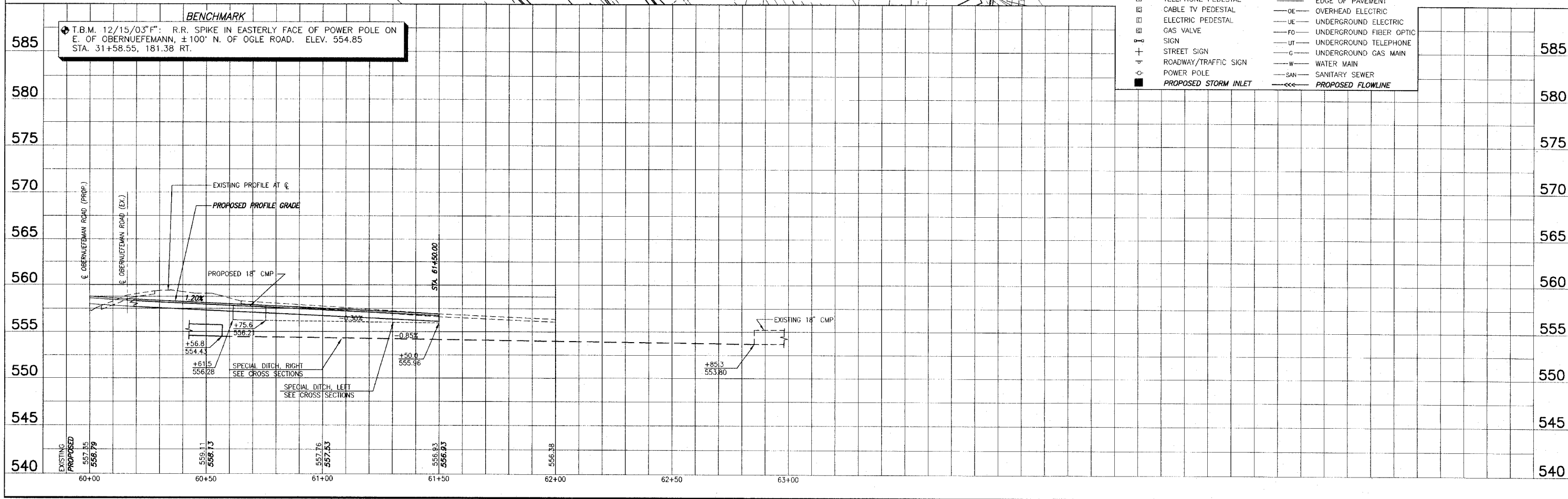
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	15
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT		CONTRACT 97335		



**LEGEND**

	TREE		GUY WIRE
	SHRUB		WATER METER
	SAPLING		WATER VALVE
	MAILBOX		FIBER OPTIC WARNING POST
	STORM INLET		FENCE
	CULVERT		SWALE FLOWLINE
	TELEPHONE PEDESTAL		EDGE OF PAVEMENT
	CABLE TV PEDESTAL		OVERHEAD ELECTRIC
	ELECTRIC PEDESTAL		UNDERGROUND ELECTRIC
	GAS VALVE		UNDERGROUND FIBER OPTIC
	SIGN		UNDERGROUND TELEPHONE
	STREET SIGN		UNDERGROUND GAS MAIN
	ROADWAY/TRAFFIC SIGN		WATER MAIN
	POWER POLE		SANITARY SEWER
	PROPOSED STORM INLET		PROPOSED FLOWLINE

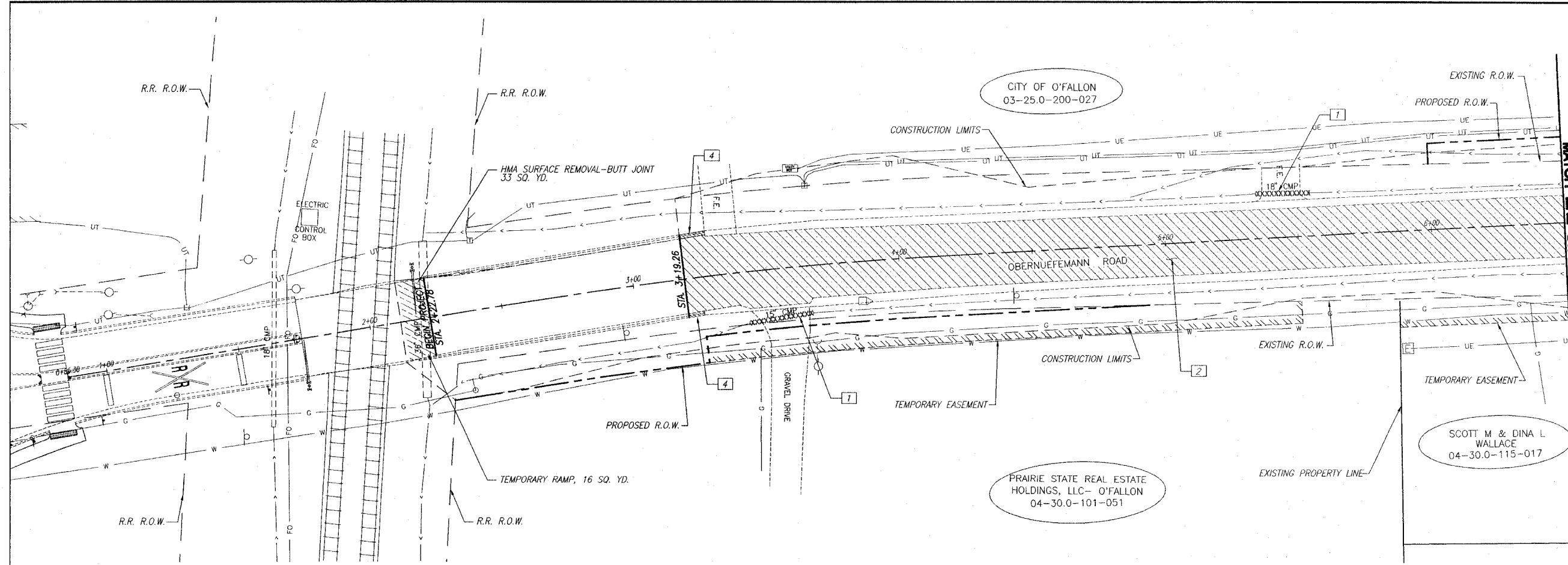
**SCALE:**  
 PLAN: 1"=20'  
 PROFILE: 1"=20' HORIZ.  
 1"=5' VERT.



**ROADWAY PLAN AND PROFILE OBERNUEFEMANN ROAD IMPROVEMENTS**  
**SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS**

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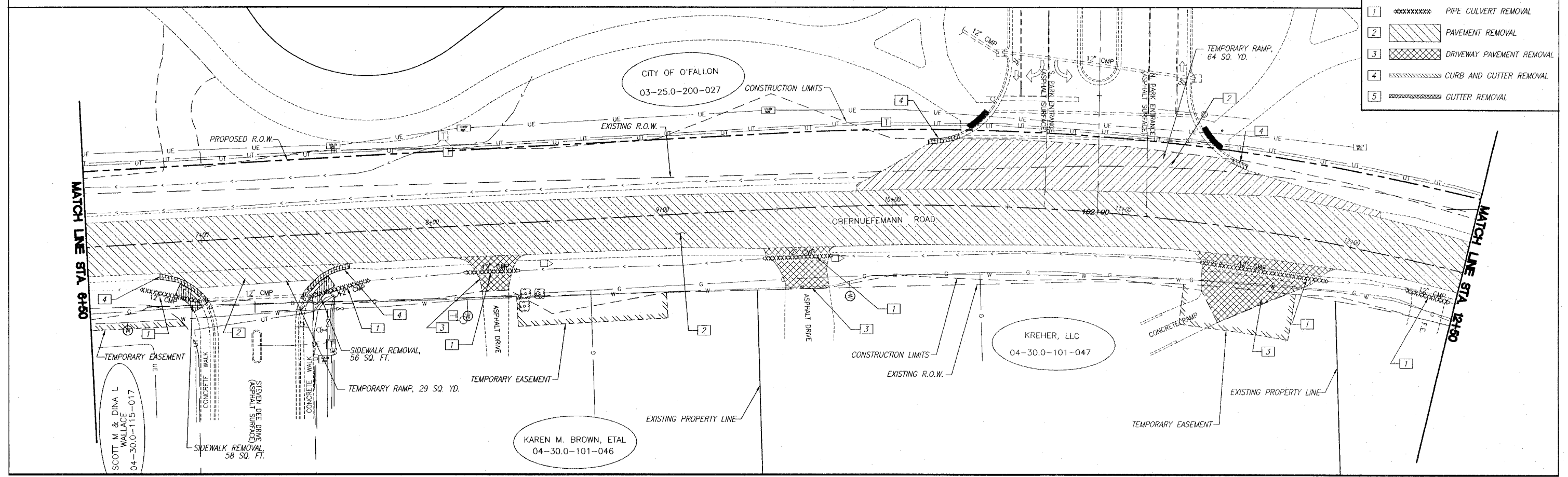
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	16
STA. 2+22.78		TO		STA. 39+67.00
FEDERAL AID PROJECT			CONTRACT 97335	



SCALE:  
PLAN: 1"=20'

**LEGEND-REMOVAL ITEMS**

1	XXXXXXXXXX	PIPE CULVERT REMOVAL
2	////	PAVEMENT REMOVAL
3	XXXXXX	DRIVEWAY PAVEMENT REMOVAL
4	=====	CURB AND GUTTER REMOVAL
5	~~~~~	GUTTER REMOVAL

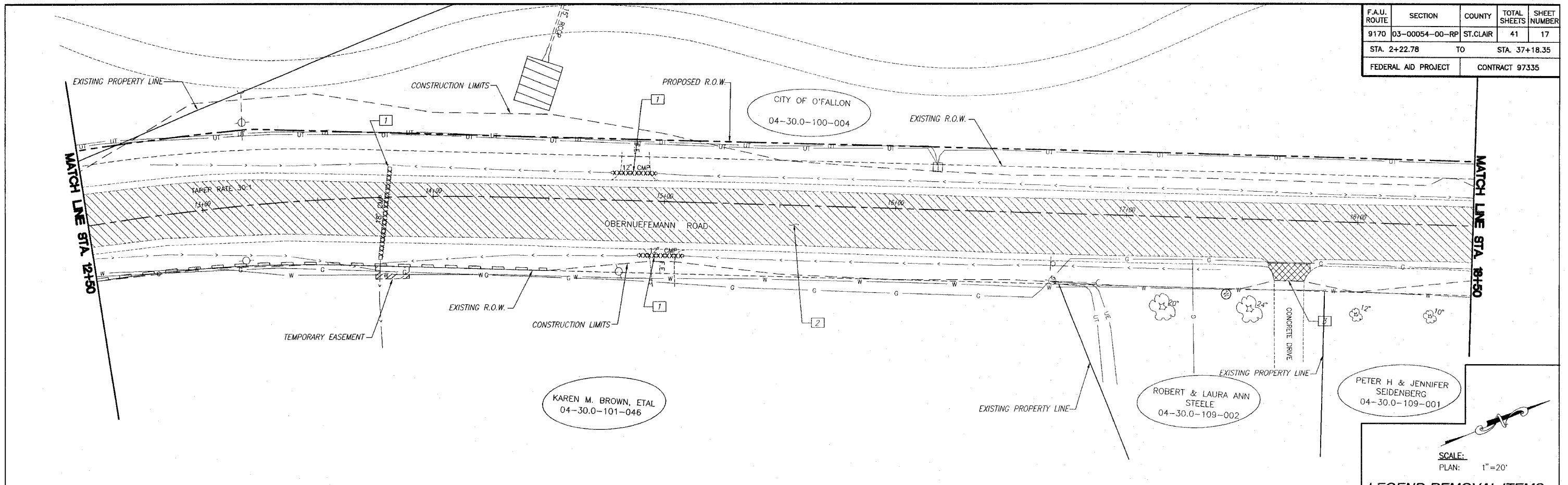


**REMOVAL PLAN OBERNUEFEMANN ROAD IMPROVEMENTS**  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS

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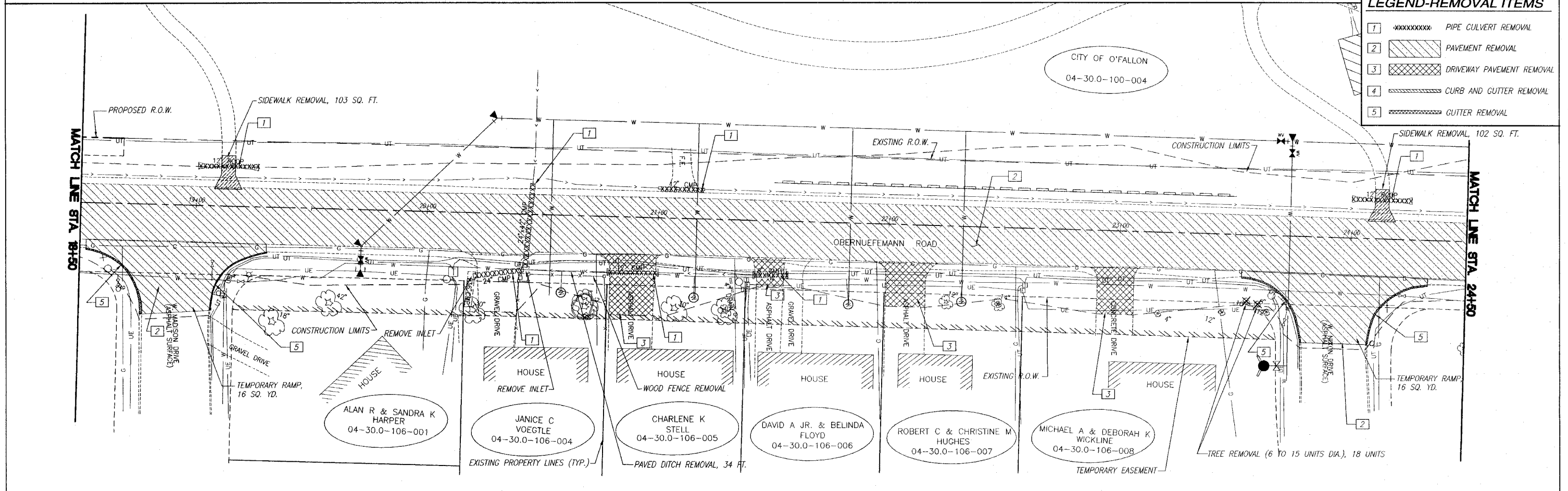
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	17
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	



SCALE:  
PLAN: 1" = 20'

**LEGEND-REMOVAL ITEMS**

1	XXXXXXXXXX	PIPE CULVERT REMOVAL
2	////	PAVEMENT REMOVAL
3	XXXXXX	DRIVEWAY PAVEMENT REMOVAL
4	=====	CURB AND GUTTER REMOVAL
5	XXXXXXXXXX	GUTTER REMOVAL



**REMOVAL PLAN OBERNUEFEMANN ROAD IMPROVEMENTS**  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS

E:\42103 - O'Fallon - Obernuefemann Road - Proj 17 - REMOVAL.dwg, 2/22/2006 12:26:13 PM, Printed by P.A.L.

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	18
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	

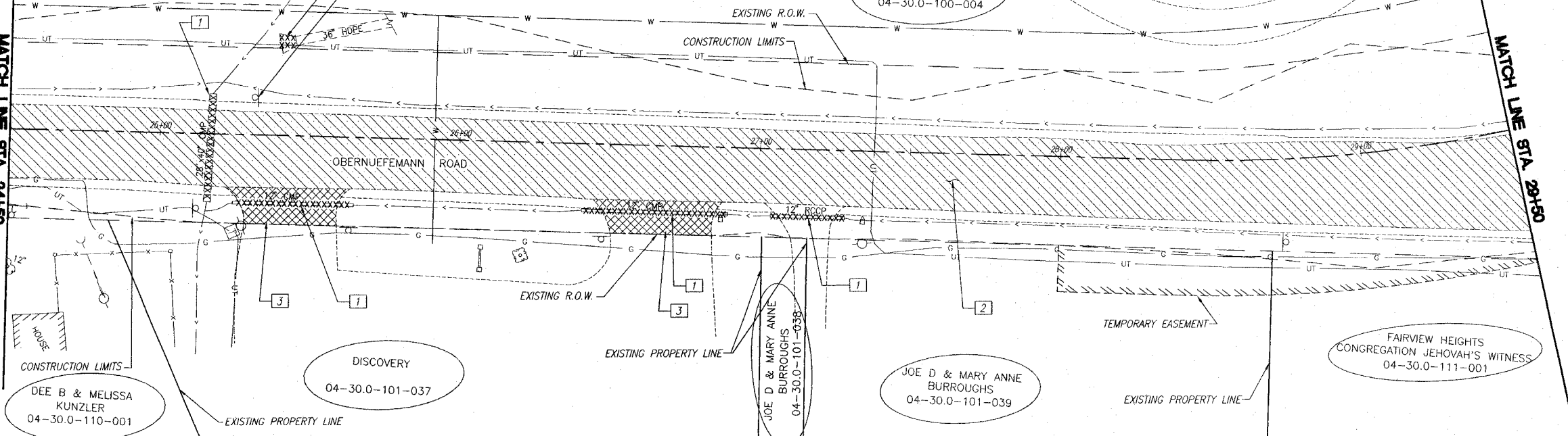
7 (METAL END SECTION TO BE REMOVED)

RELOCATE SIGN PANEL  
STA. 25+33, 18' LT.

CITY OF O'FALLON  
04-30.0-100-004

MATCH LINE STA. 24+50

MATCH LINE STA. 29+50



SCALE:  
PLAN: 1"=20'

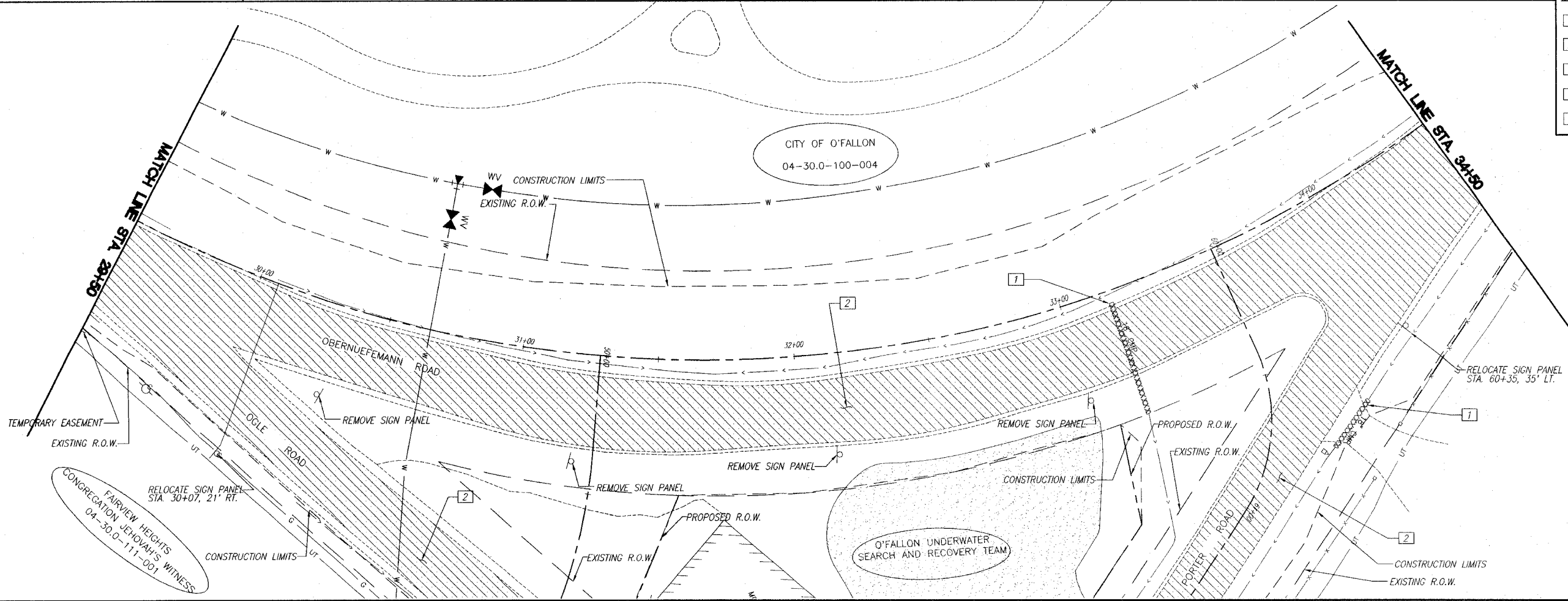
**LEGEND-REMOVAL ITEMS**

- 1 xxxxxxxx PIPE CULVERT REMOVAL
- 2 [diagonal hatching] PAVEMENT REMOVAL
- 3 [cross-hatching] DRIVEWAY PAVEMENT REMOVAL
- 4 [dashed line] CURB AND GUTTER REMOVAL
- 5 [dotted line] GUTTER REMOVAL



MATCH LINE STA. 24+50

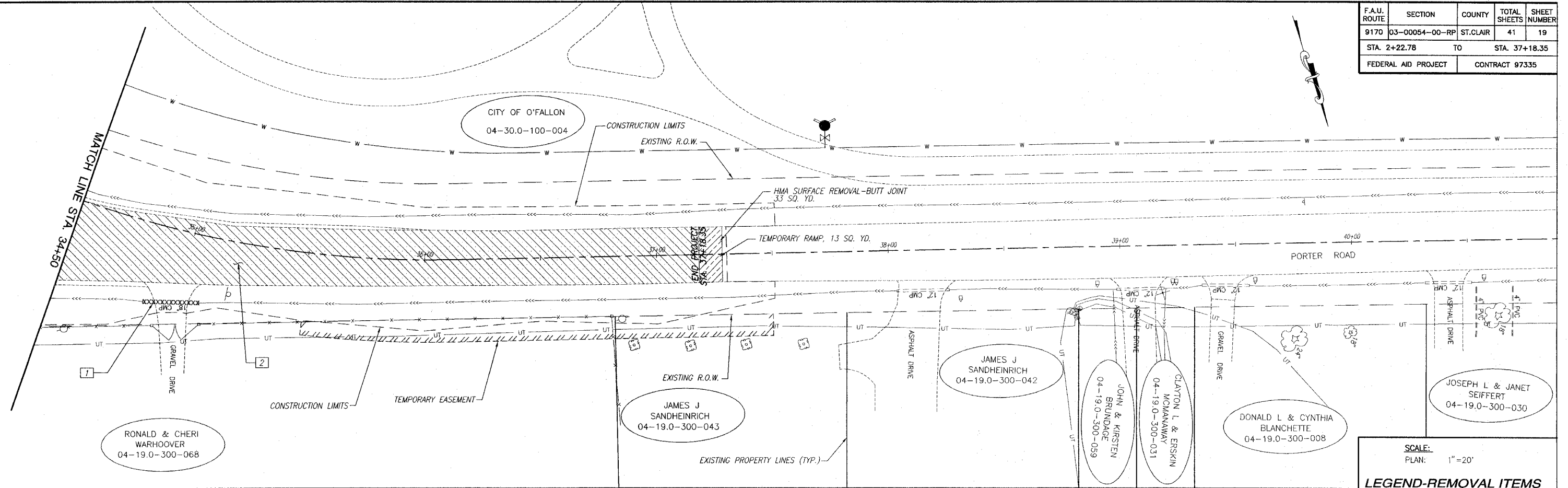
MATCH LINE STA. 34+50



**REMOVAL PLAN OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS**

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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	19
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	



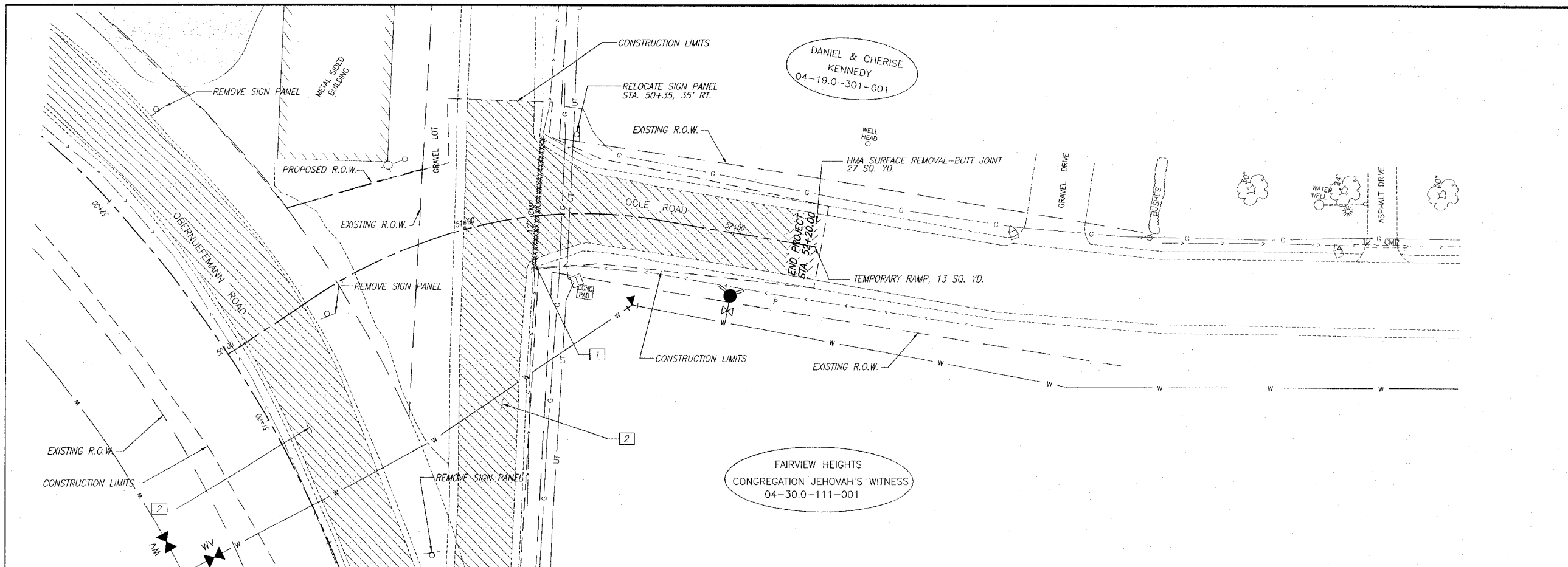
**SCALE:**  
PLAN: 1" = 20'

**LEGEND-REMOVAL ITEMS**

1	xxxxxxxxxx	PIPE CULVERT REMOVAL
2	////	PAVEMENT REMOVAL
3	xxxx	DRIVEWAY PAVEMENT REMOVAL
4	====	CURB AND GUTTER REMOVAL
5	----	GUTTER REMOVAL

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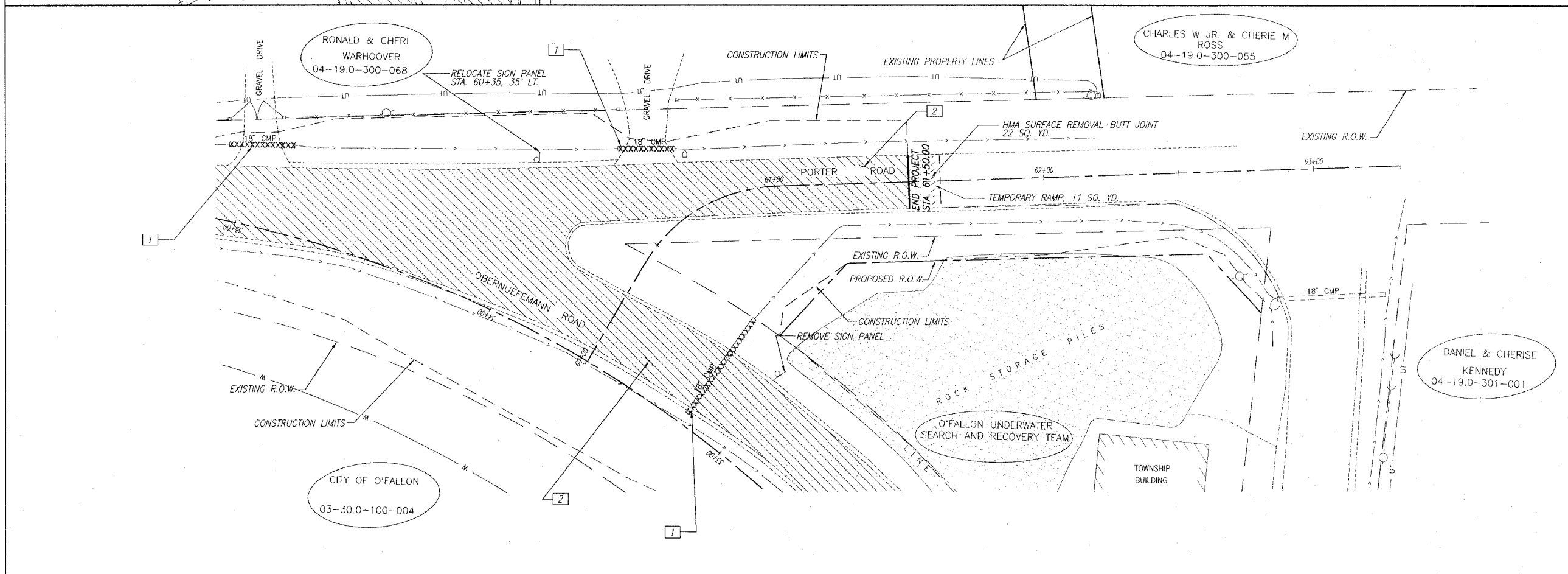
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	20
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	



**SCALE:**  
PLAN: 1"=20'

**LEGEND-REMOVAL ITEMS**

1	XXXXXXXXXX	PIPE CULVERT REMOVAL
2	////	PAVEMENT REMOVAL
3	XXXXXX	DRIVEWAY PAVEMENT REMOVAL
4	=====	CURB AND GUTTER REMOVAL
5	-----	GUTTER REMOVAL

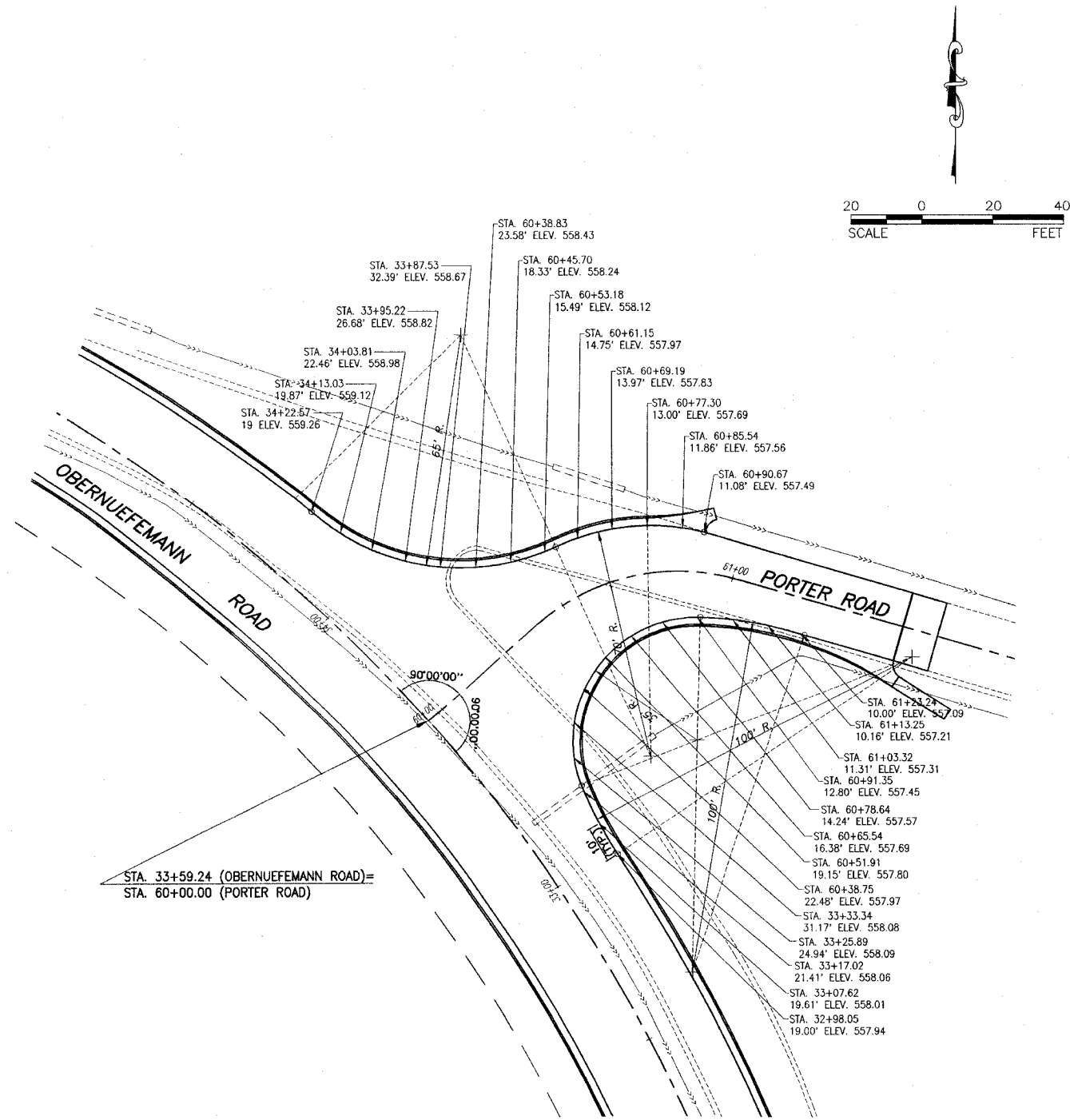


**REMOVAL PLAN OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS**

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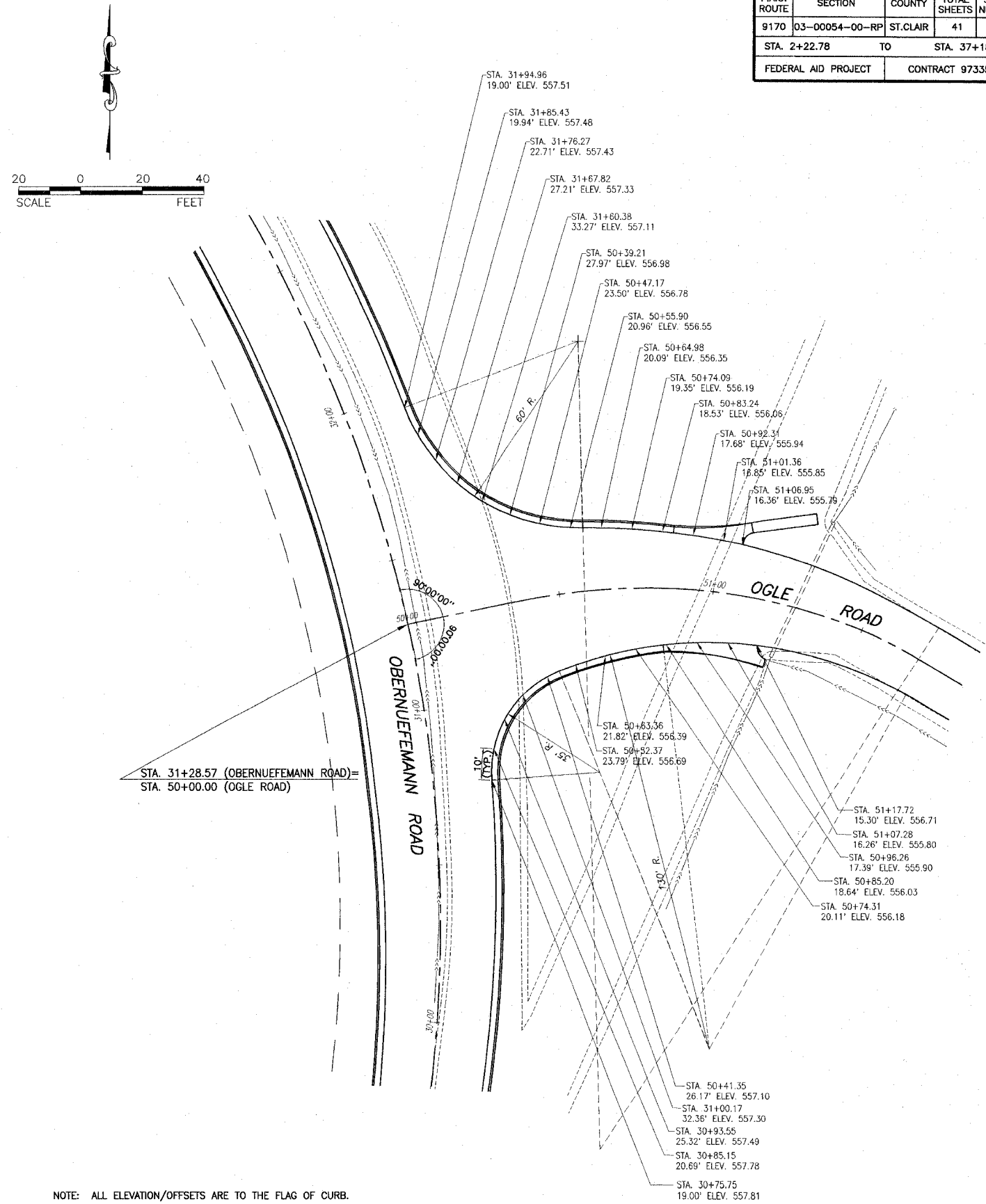
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	22
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	



STA. 33+59.24 (OBERNUEFEMANN ROAD)=  
STA. 60+00.00 (PORTER ROAD)

- STA. 61+23.24  
10.00' ELEV. 557.09
- STA. 61+13.25  
10.16' ELEV. 557.21
- STA. 61+03.32  
11.31' ELEV. 557.31
- STA. 60+91.35  
12.80' ELEV. 557.45
- STA. 60+78.64  
14.24' ELEV. 557.57
- STA. 60+65.54  
16.38' ELEV. 557.69
- STA. 60+51.91  
19.15' ELEV. 557.80
- STA. 60+38.75  
22.48' ELEV. 557.97
- STA. 33+33.34  
31.17' ELEV. 558.08
- STA. 33+25.89  
24.94' ELEV. 558.09
- STA. 33+17.02  
21.41' ELEV. 558.06
- STA. 33+07.62  
19.61' ELEV. 558.01
- STA. 32+98.05  
19.00' ELEV. 557.94

NOTE: ALL ELEVATION/OFFSETS ARE TO THE FLAG OF CURB.



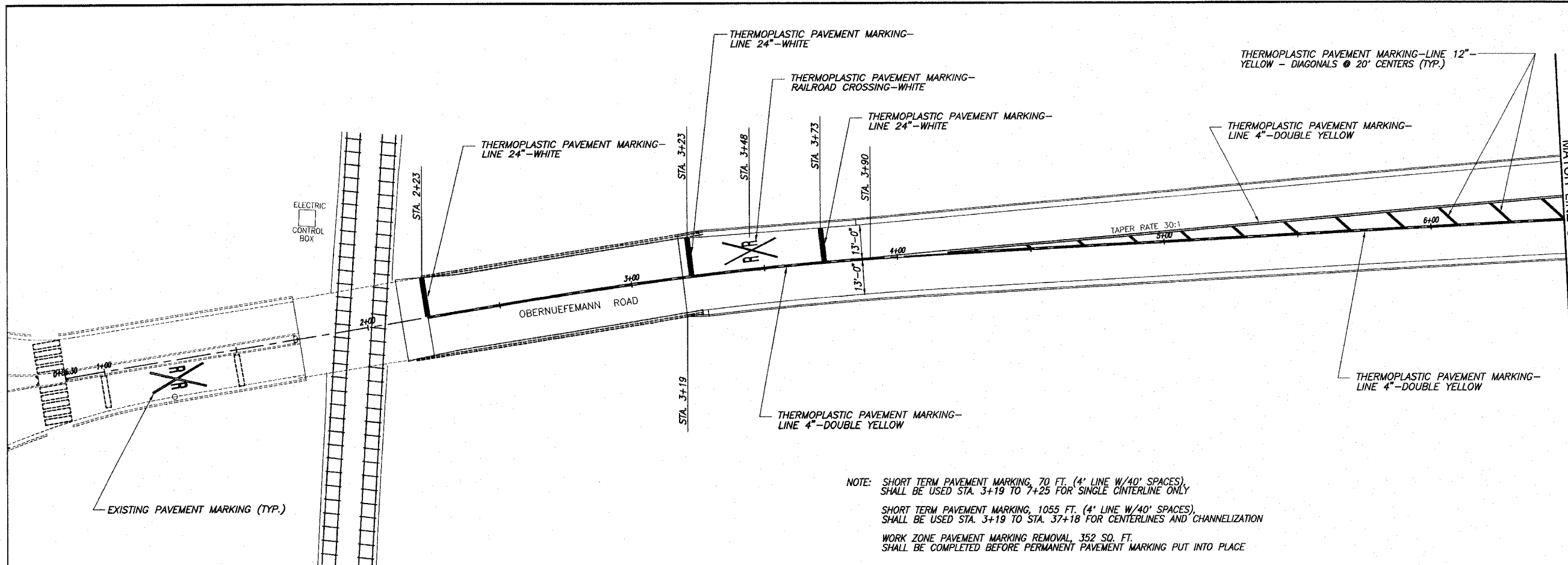
STA. 31+28.57 (OBERNUEFEMANN ROAD)=  
STA. 50+00.00 (OGLE ROAD)

- STA. 51+17.72  
15.30' ELEV. 556.71
- STA. 51+07.28  
16.26' ELEV. 555.80
- STA. 50+96.26  
17.39' ELEV. 555.90
- STA. 50+85.20  
18.64' ELEV. 556.03
- STA. 50+74.31  
20.11' ELEV. 556.18
- STA. 51+01.36  
18.65' ELEV. 555.85
- STA. 51+06.95  
16.36' ELEV. 555.76
- STA. 50+92.31  
17.68' ELEV. 555.94
- STA. 50+83.24  
18.53' ELEV. 556.06
- STA. 50+74.09  
19.35' ELEV. 556.19
- STA. 50+64.98  
20.09' ELEV. 556.35
- STA. 50+55.90  
20.96' ELEV. 556.55
- STA. 50+47.17  
23.50' ELEV. 556.78
- STA. 50+39.21  
27.97' ELEV. 556.98
- STA. 31+60.38  
33.27' ELEV. 557.11
- STA. 31+67.82  
27.21' ELEV. 557.33
- STA. 31+76.27  
22.71' ELEV. 557.43
- STA. 31+85.43  
19.94' ELEV. 557.48
- STA. 31+94.96  
19.00' ELEV. 557.51

NOTE: ALL ELEVATION/OFFSETS ARE TO THE FLAG OF CURB.

E:\9170 - Ogle Road\Obernuefemann Road\03-00054-00-RP\03-00054-00-RP.dwg, 2/23/2006 12:05:43 PM, RMB:m.m.a.l.

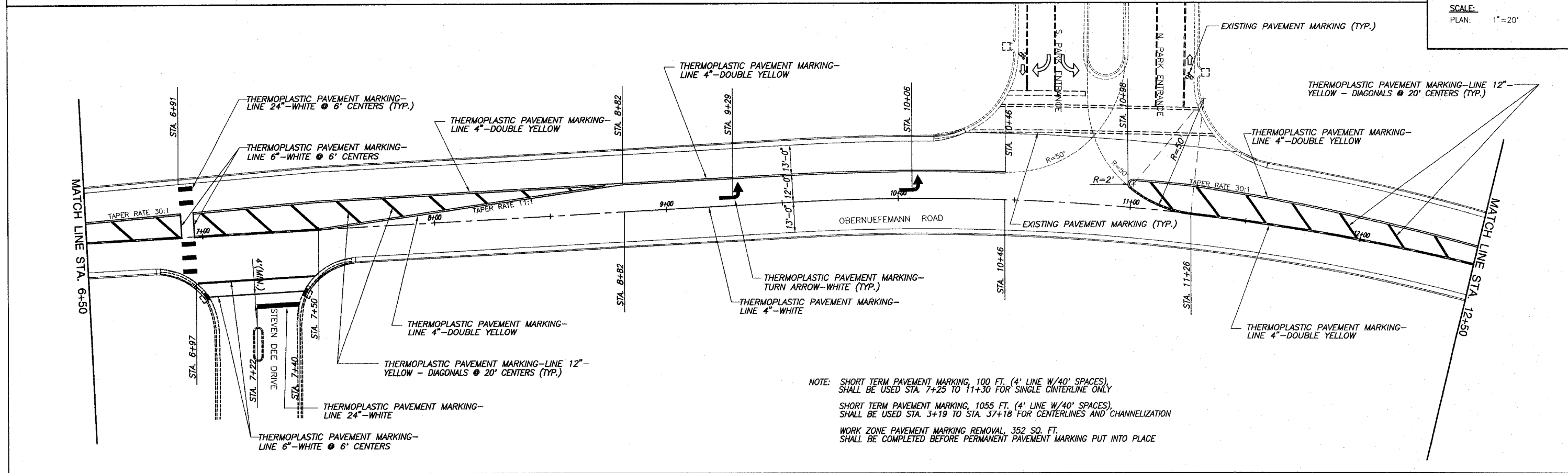
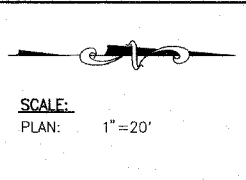
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	23
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	



NOTE: SHORT TERM PAVEMENT MARKING, 70 FT. (4' LINE W/40' SPACES), SHALL BE USED STA. 3+19 TO 7+25 FOR SINGLE CENTERLINE ONLY

SHORT TERM PAVEMENT MARKING, 1055 FT. (4' LINE W/40' SPACES), SHALL BE USED STA. 3+19 TO STA. 37+18 FOR CENTERLINES AND CHANNELIZATION

WORK ZONE PAVEMENT MARKING REMOVAL, 352 SQ. FT. SHALL BE COMPLETED BEFORE PERMANENT PAVEMENT MARKING PUT INTO PLACE



NOTE: SHORT TERM PAVEMENT MARKING, 100 FT. (4' LINE W/40' SPACES), SHALL BE USED STA. 7+25 TO 11+30 FOR SINGLE CENTERLINE ONLY

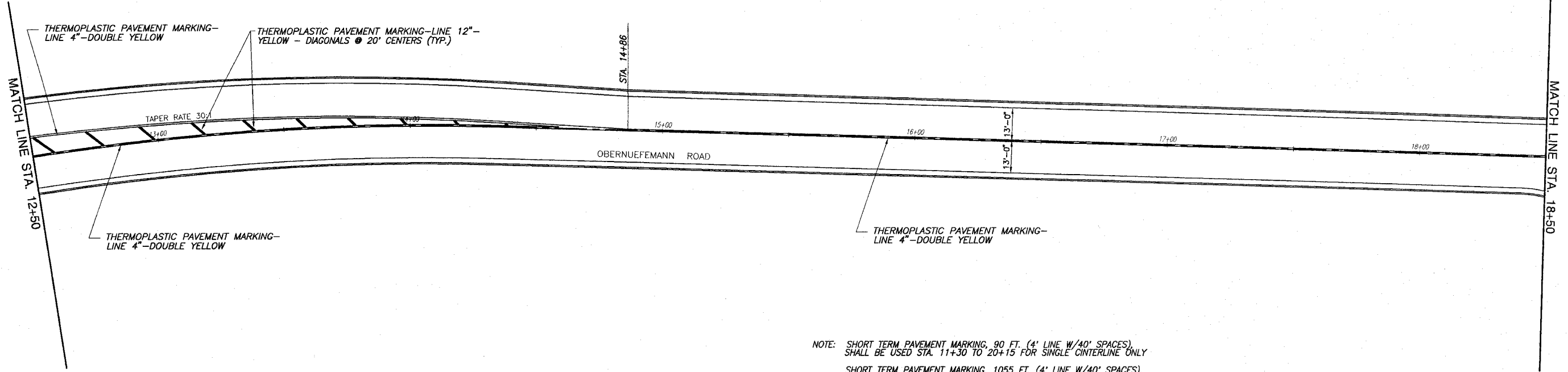
SHORT TERM PAVEMENT MARKING, 1055 FT. (4' LINE W/40' SPACES), SHALL BE USED STA. 3+19 TO STA. 37+18 FOR CENTERLINES AND CHANNELIZATION

WORK ZONE PAVEMENT MARKING REMOVAL, 352 SQ. FT. SHALL BE COMPLETED BEFORE PERMANENT PAVEMENT MARKING PUT INTO PLACE

PAVEMENT MARKING PLAN OBERNEUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS

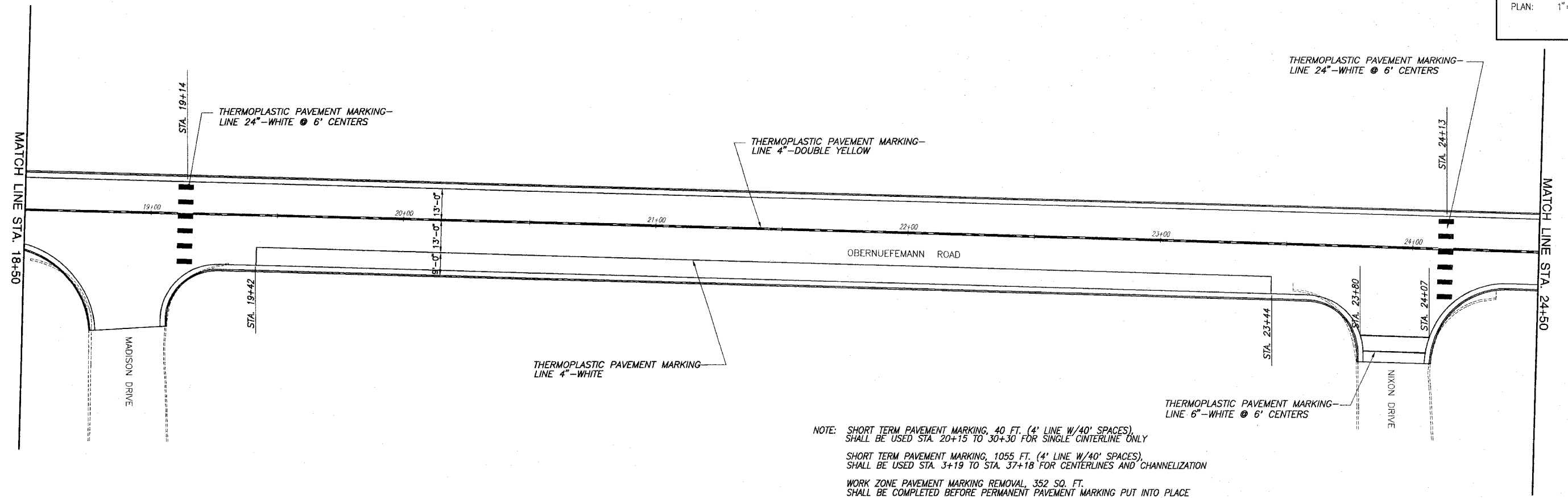
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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	24
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	



NOTE: SHORT TERM PAVEMENT MARKING, 90 FT. (4' LINE W/40' SPACES), SHALL BE USED STA. 11+30 TO 20+15 FOR SINGLE CENTERLINE ONLY  
 SHORT TERM PAVEMENT MARKING, 1055 FT. (4' LINE W/40' SPACES), SHALL BE USED STA. 3+19 TO STA. 37+18 FOR CENTERLINES AND CHANNELIZATION  
 WORK ZONE PAVEMENT MARKING REMOVAL, 352 SQ. FT. SHALL BE COMPLETED BEFORE PERMANENT PAVEMENT MARKING PUT INTO PLACE

SCALE:  
 PLAN: 1"=20'

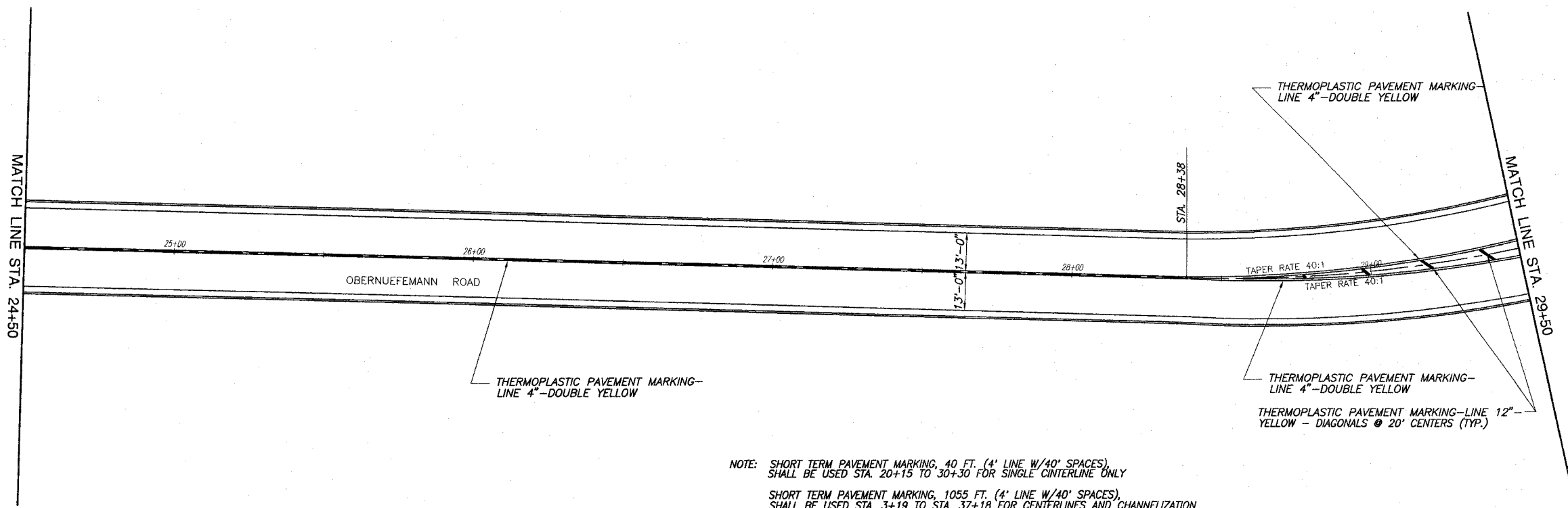


NOTE: SHORT TERM PAVEMENT MARKING, 40 FT. (4' LINE W/40' SPACES), SHALL BE USED STA. 20+15 TO 30+30 FOR SINGLE CENTERLINE ONLY  
 SHORT TERM PAVEMENT MARKING, 1055 FT. (4' LINE W/40' SPACES), SHALL BE USED STA. 3+19 TO STA. 37+18 FOR CENTERLINES AND CHANNELIZATION  
 WORK ZONE PAVEMENT MARKING REMOVAL, 352 SQ. FT. SHALL BE COMPLETED BEFORE PERMANENT PAVEMENT MARKING PUT INTO PLACE

F:\42103 - O'Brien\Obernuefemmann Road.dwg 24\_PAVEMENT STIPPLE.dwg, 2/29/2006 12:02:03 PM, Plotted by M.A.L.

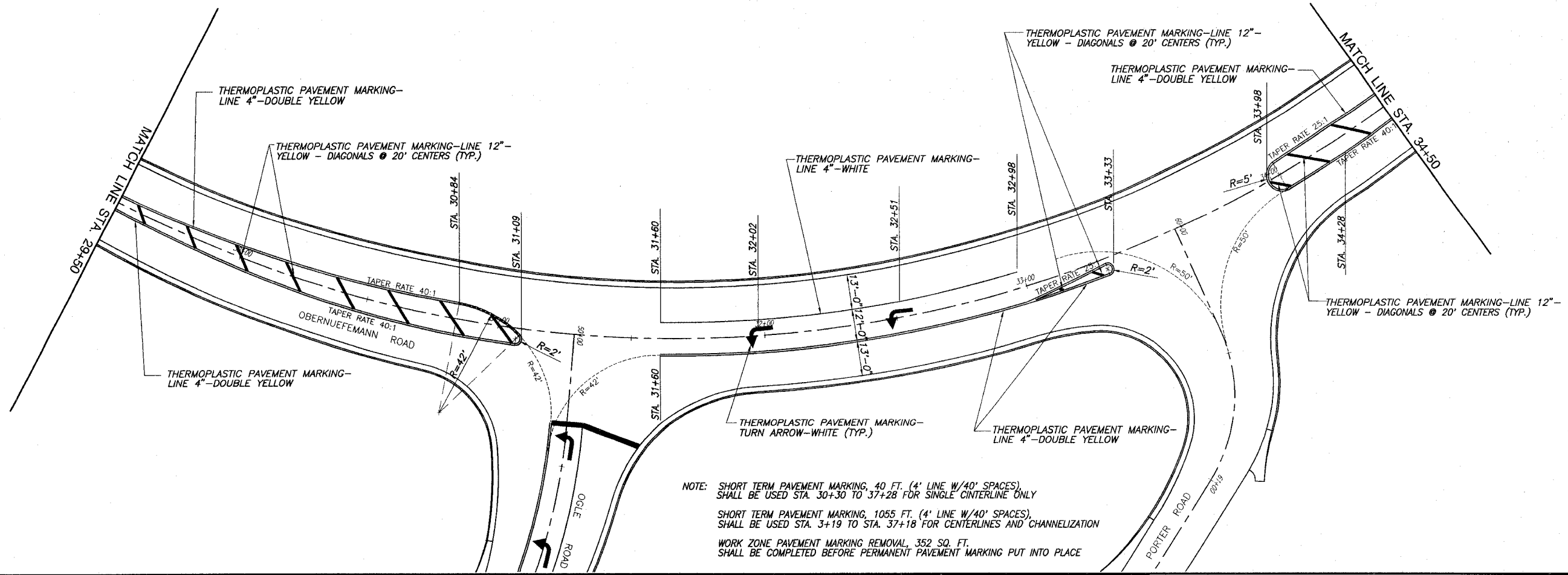


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	25
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	



NOTE: SHORT TERM PAVEMENT MARKING, 40 FT. (4' LINE W/40' SPACES), SHALL BE USED STA. 20+15 TO 30+30 FOR SINGLE CENTERLINE ONLY  
 SHORT TERM PAVEMENT MARKING, 1055 FT. (4' LINE W/40' SPACES), SHALL BE USED STA. 3+19 TO STA. 37+18 FOR CENTERLINES AND CHANNELIZATION  
 WORK ZONE PAVEMENT MARKING REMOVAL, 352 SQ. FT. SHALL BE COMPLETED BEFORE PERMANENT PAVEMENT MARKING PUT INTO PLACE

SCALE:  
 PLAN: 1"=20'



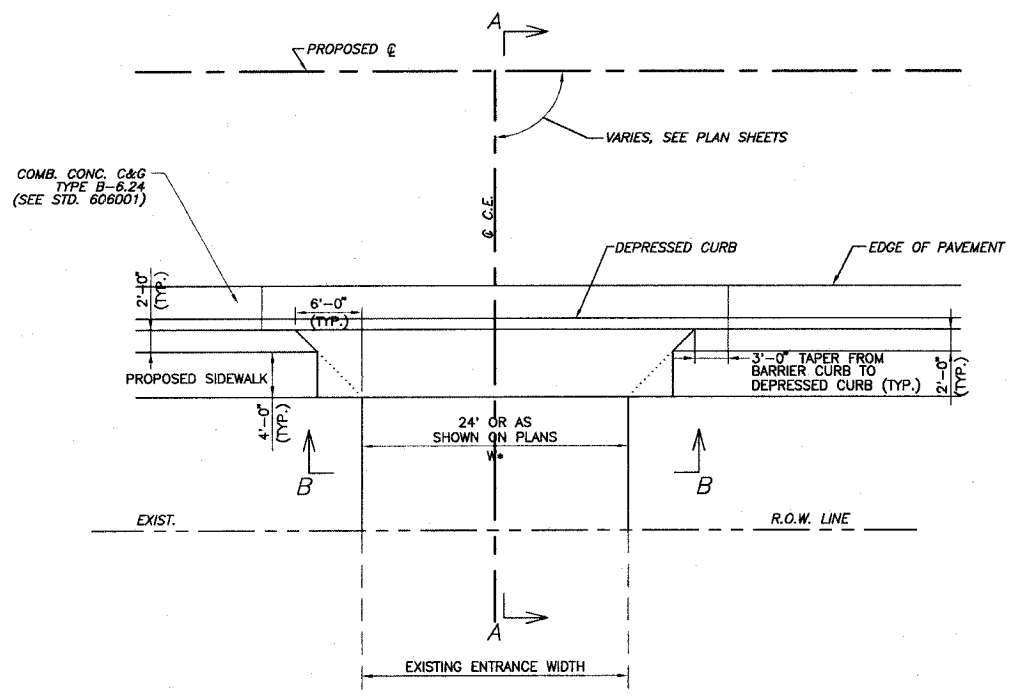
NOTE: SHORT TERM PAVEMENT MARKING, 40 FT. (4' LINE W/40' SPACES), SHALL BE USED STA. 30+30 TO 37+28 FOR SINGLE CENTERLINE ONLY  
 SHORT TERM PAVEMENT MARKING, 1055 FT. (4' LINE W/40' SPACES), SHALL BE USED STA. 3+19 TO STA. 37+18 FOR CENTERLINES AND CHANNELIZATION  
 WORK ZONE PAVEMENT MARKING REMOVAL, 352 SQ. FT. SHALL BE COMPLETED BEFORE PERMANENT PAVEMENT MARKING PUT INTO PLACE

PAVEMENT MARKING PLAN OBERNUEFEMANN ROAD IMPROVEMENTS  
 SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS

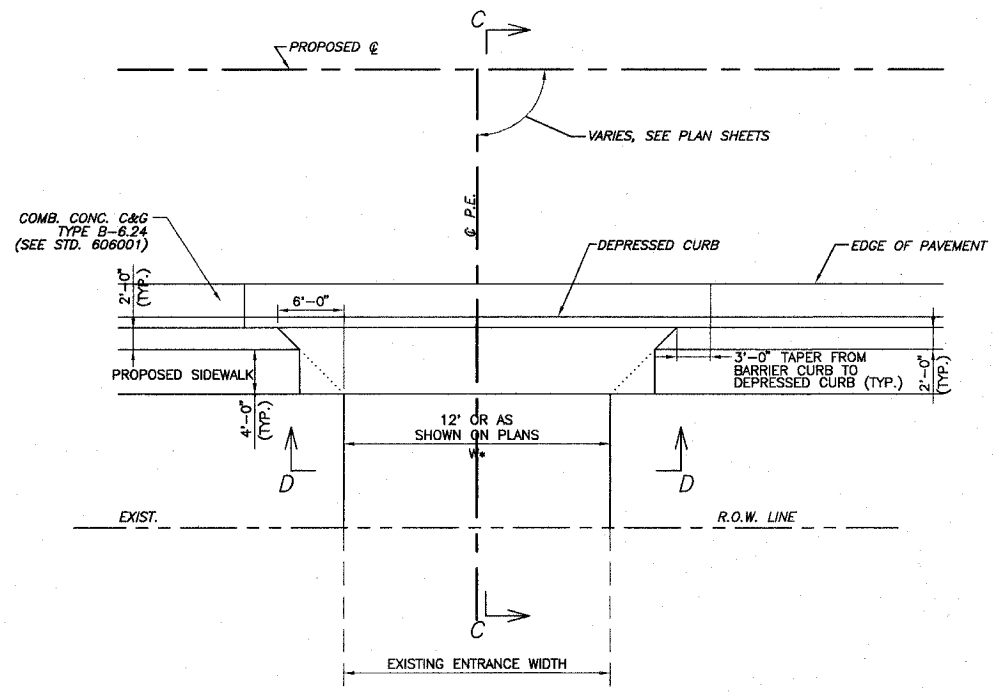
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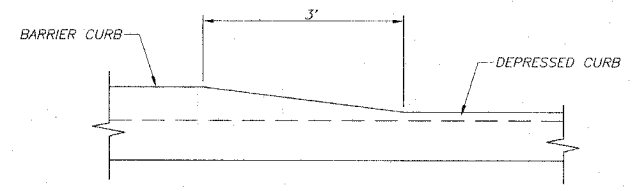
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	27
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	



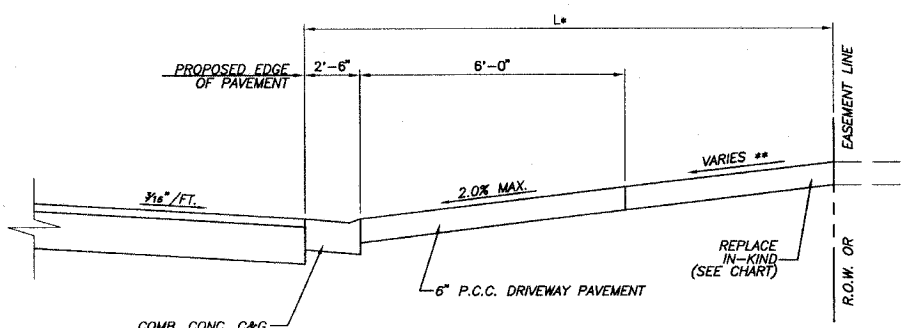
**C.E. DETAIL "A"**  
 COMMERCIAL ENTRANCE WITH SIDEWALK ADJACENT TO ROADWAY PAVEMENT AND CONCRETE CURB & GUTTER TYPE B-6.24  
 N.T.S.  
 STA. 3+20 TO STA. 31+00



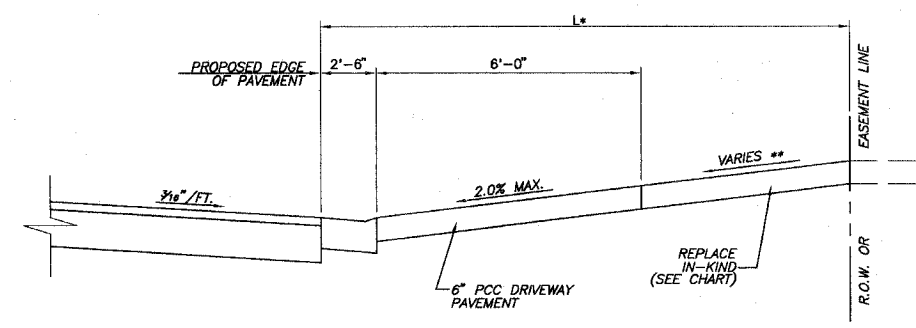
**P.E. DETAIL "B"**  
 PRIVATE ENTRANCE WITH SIDEWALK ADJACENT TO ROADWAY PAVEMENT AND CONCRETE CURB & GUTTER TYPE B-6.24  
 N.T.S.  
 STA. 3+20 TO 31+00



**DETAIL OF CURB HEIGHT TRANSITION**  
 N.T.S.

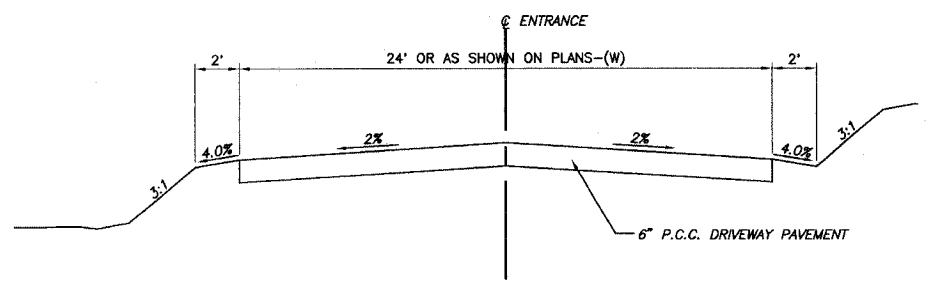


**SECTION "A-A"**  
 \* SEE ENTRANCE SCHEDULE FOR DISTANCES  
 \*\* SEE CROSS SECTIONS FOR SLOPES

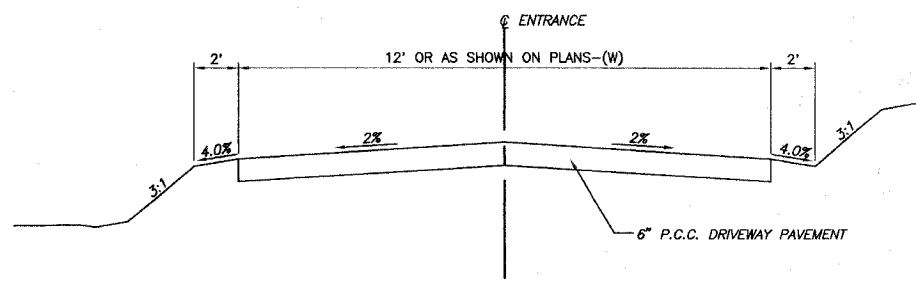


**SECTION "C-C"**  
 \* SEE ENTRANCE SCHEDULE FOR DISTANCES  
 \*\* SEE CROSS SECTIONS FOR SLOPES

TYPE OF ENTRANCE	EXISTING MATERIAL	NEW ENTRANCE MATERIAL			
		PCC DRIVEWAY PAVEMENT 6"	INCIDENTAL ASPHALT SURFACING 3"	HOT-MIX AGGREGATE BASE COURSE TYPE B, 8"	AGGREGATE SURFACE COURSE TYPE B, 6"
PRIVATE & COMMERCIAL	CONCRETE	X			
	BITUMINOUS		X		
	AGGREGATE			X	X



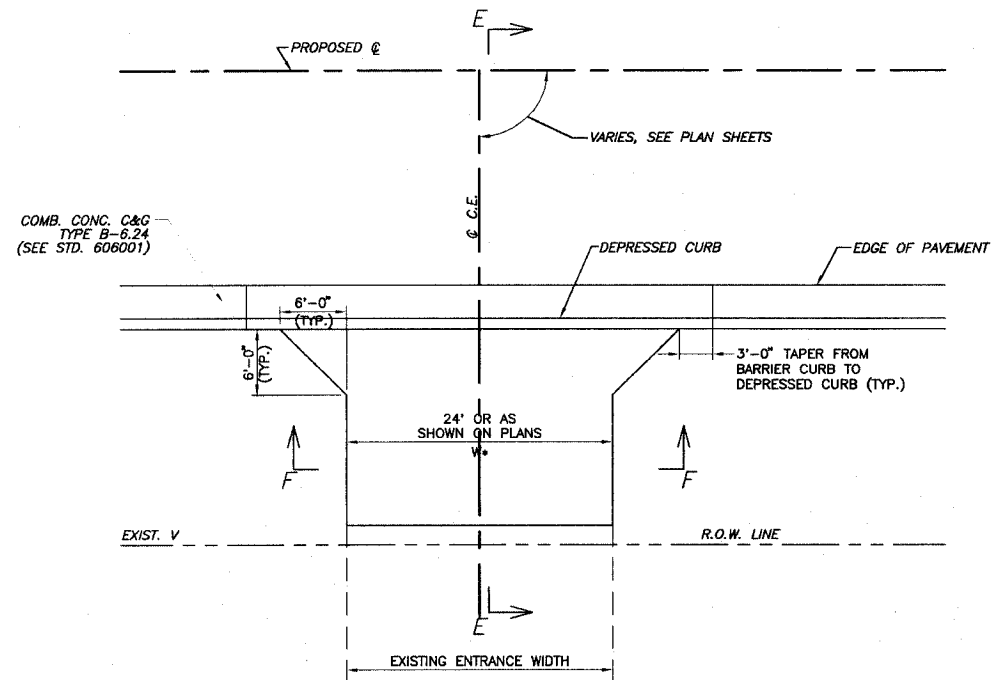
**SECTION "B-B"**



**SECTION "D-D"**

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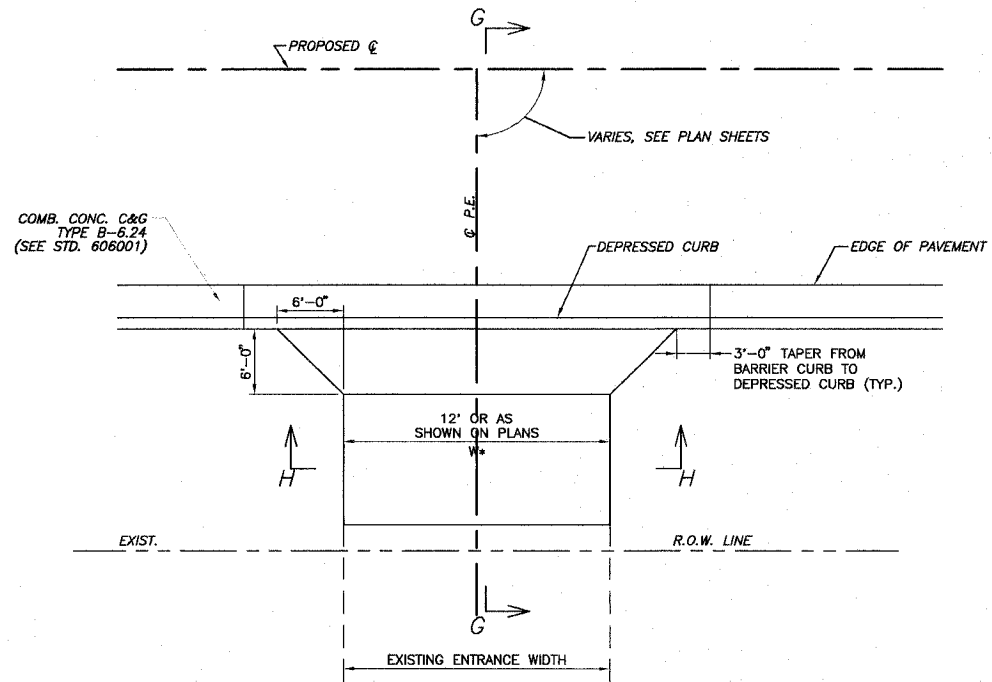
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	28
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	



**C.E. DETAIL "C"**

TYPICAL COMMERCIAL ENTRANCE  
N.T.S.

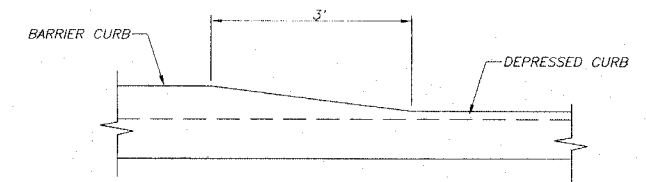
STA. 31+00 TO STA. 37+50  
&  
STA. 60+00 TO STA. 61+50



**P.E. DETAIL "D"**

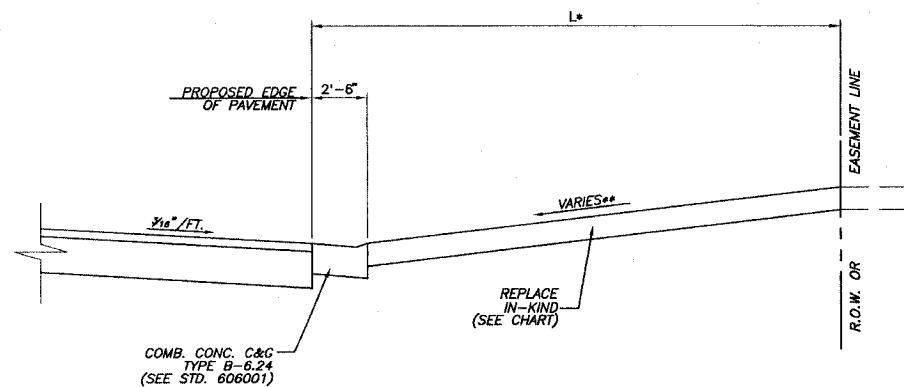
TYPICAL PRIVATE ENTRANCE  
N.T.S.

STA. 31+00 TO STA. 37+50  
&  
STA. 60+00 TO STA. 61+50



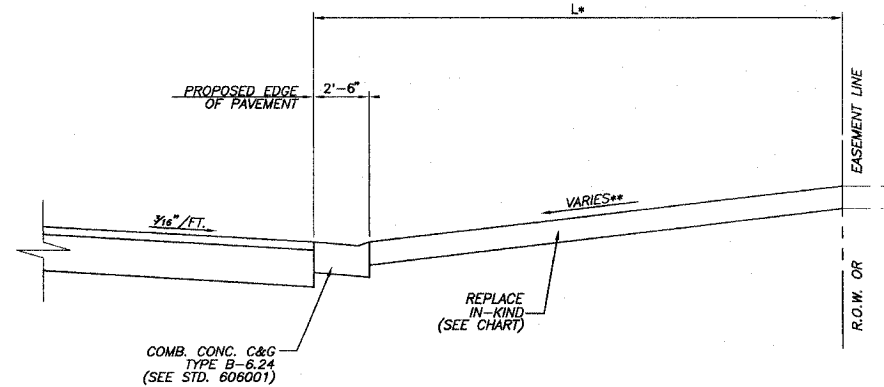
**DETAIL OF CURB HEIGHT TRANSITION**

N.T.S.



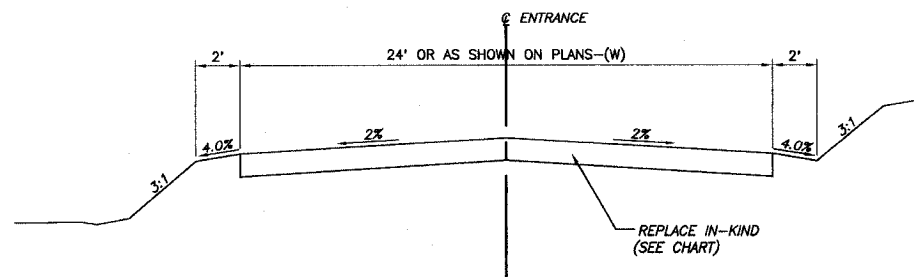
**SECTION "E-E"**

\* SEE ENTRANCE SCHEDULE FOR DISTANCES  
\*\* SEE CROSS SECTIONS FOR SLOPES

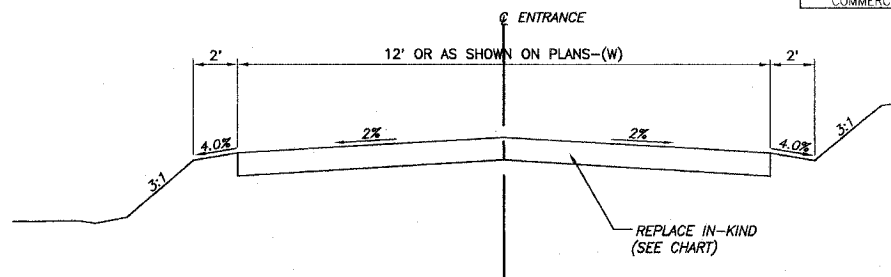


**SECTION "G-G"**

\* SEE ENTRANCE SCHEDULE FOR DISTANCES  
\*\* SEE CROSS SECTIONS FOR SLOPES



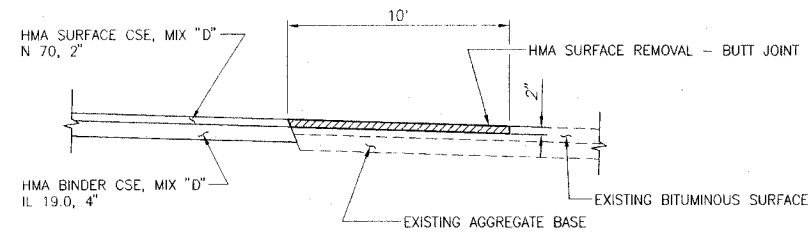
**SECTION "F-F"**



**SECTION "H-H"**

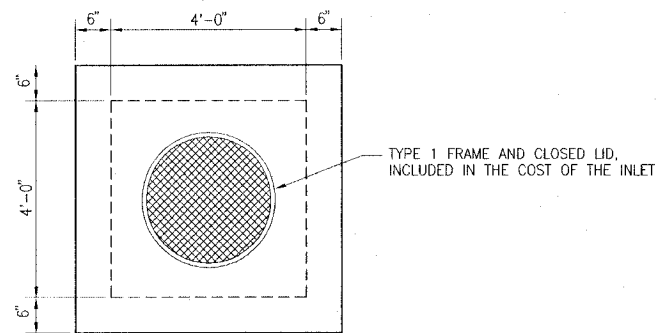
TYPE OF ENTRANCE	EXISTING MATERIAL	NEW ENTRANCE MATERIAL (BEYOND RADIUS RETURNS OR TAPERS)			
		PCC DRIVEWAY PAVEMENT	INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE BASE COURSE TYPE B <sub>1</sub>	AGGREGATE SURFACE COURSE TYPE B <sub>2</sub>
PRIVATE &	CONCRETE	X			
	BITUMINOUS		X	X	
COMMERCIAL	AGGREGATE				X

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	29
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	

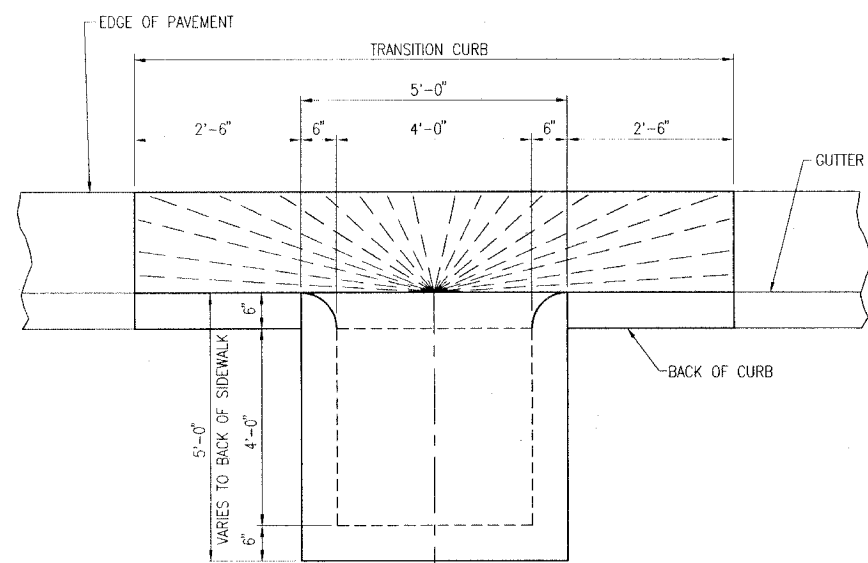


**MILLING DETAIL AT TERMINAL POINTS**

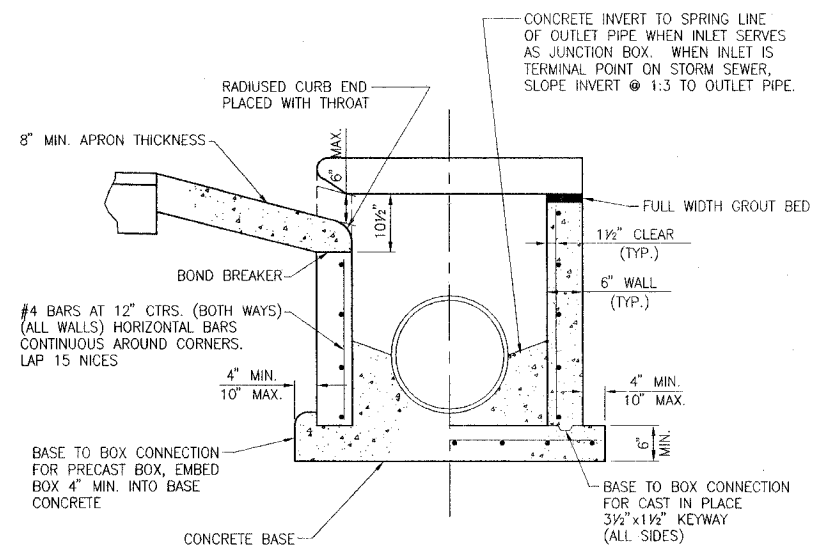
N.T.S.



**PRECAST LID DETAIL**



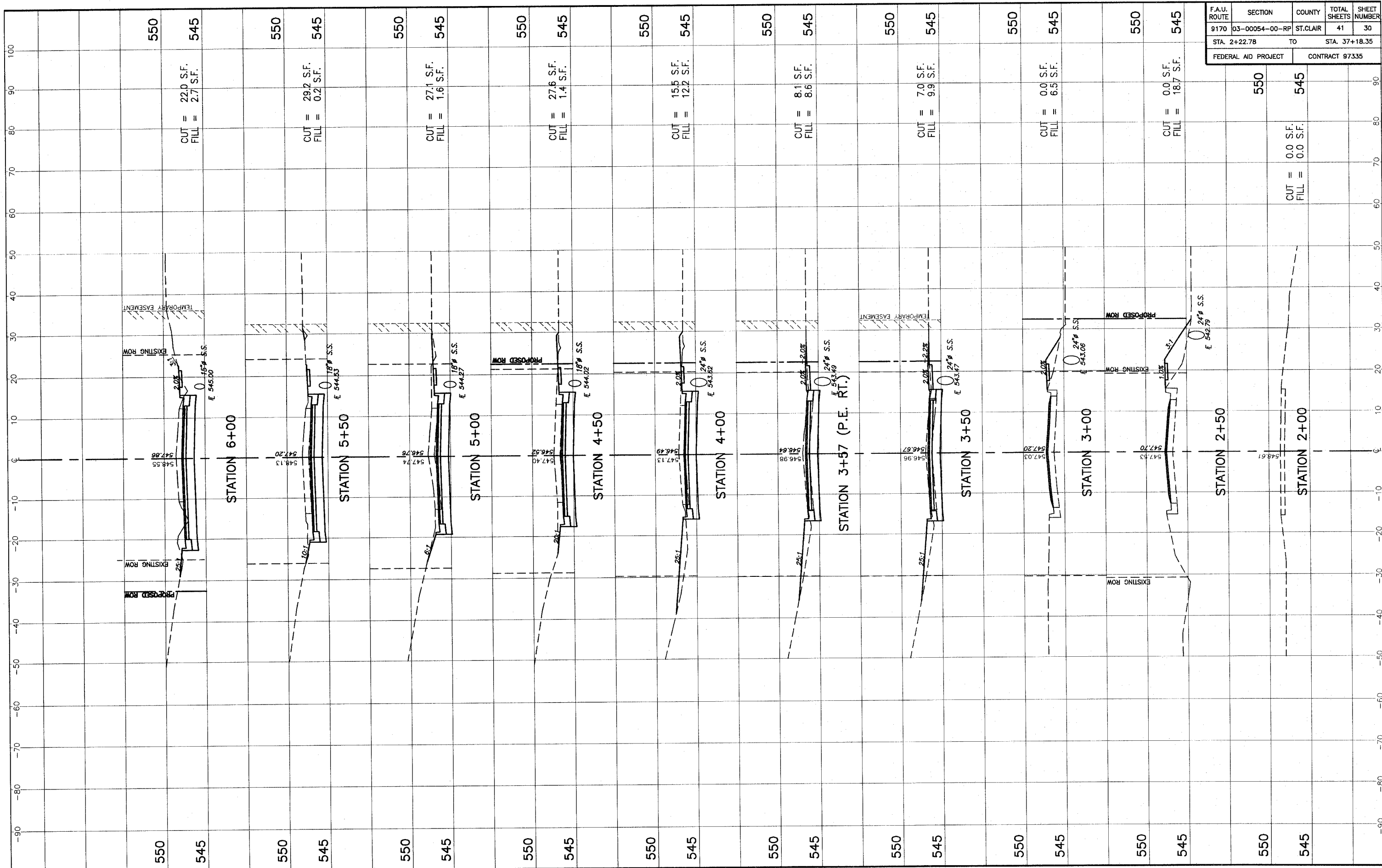
**PLAN**



**END VIEW**

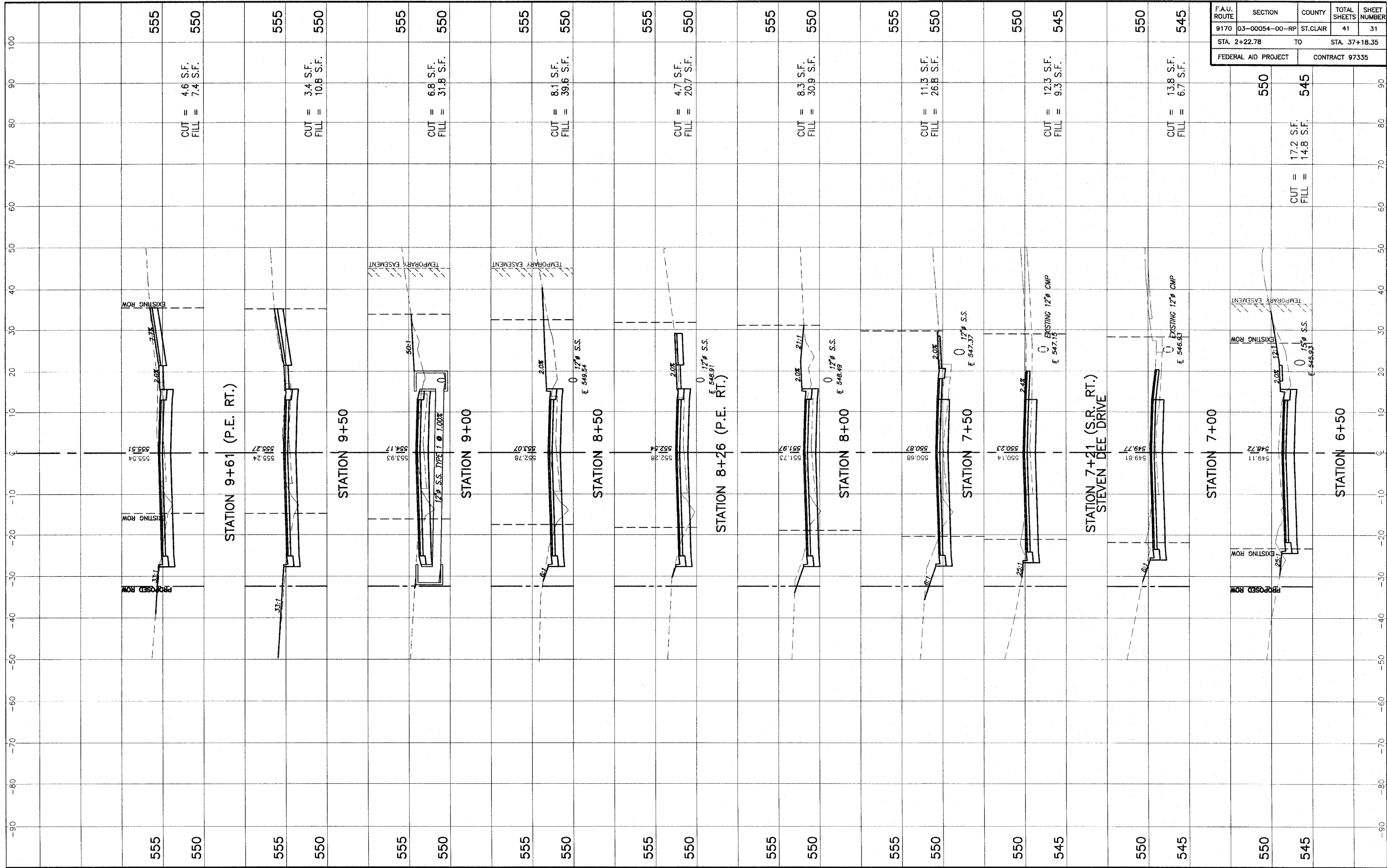
**INLET, SPECIAL**

N.T.S.



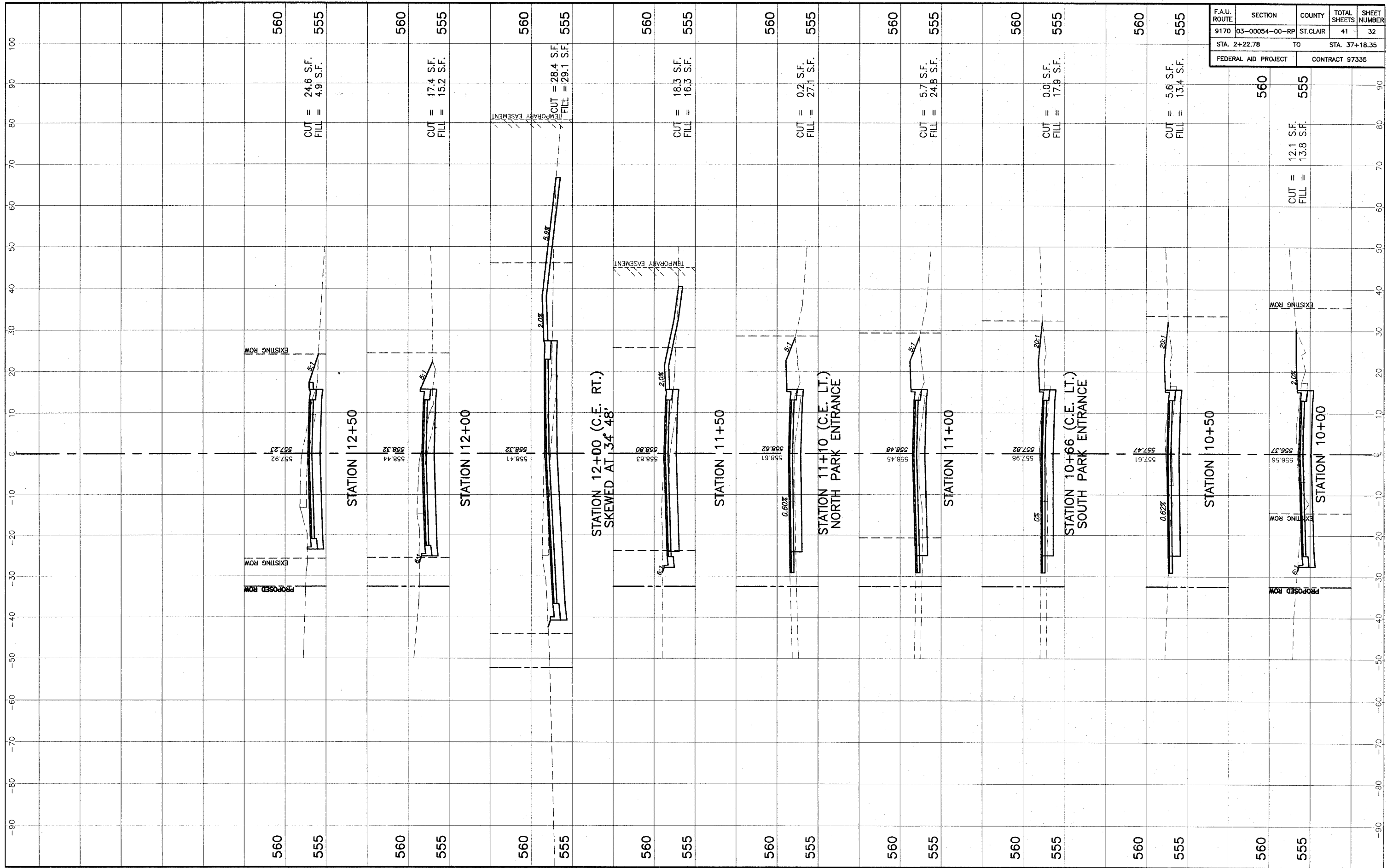
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	30
STA. 2+22.78		TO		STA. 37+18.35
FEDERAL AID PROJECT			CONTRACT 97335	

STA. 2+50 - STA. 6+00 CROSS SECTIONS OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	31
STA. 2+22.78		TO		STA. 37+18.35
FEDERAL AID PROJECT			CONTRACT 97335	

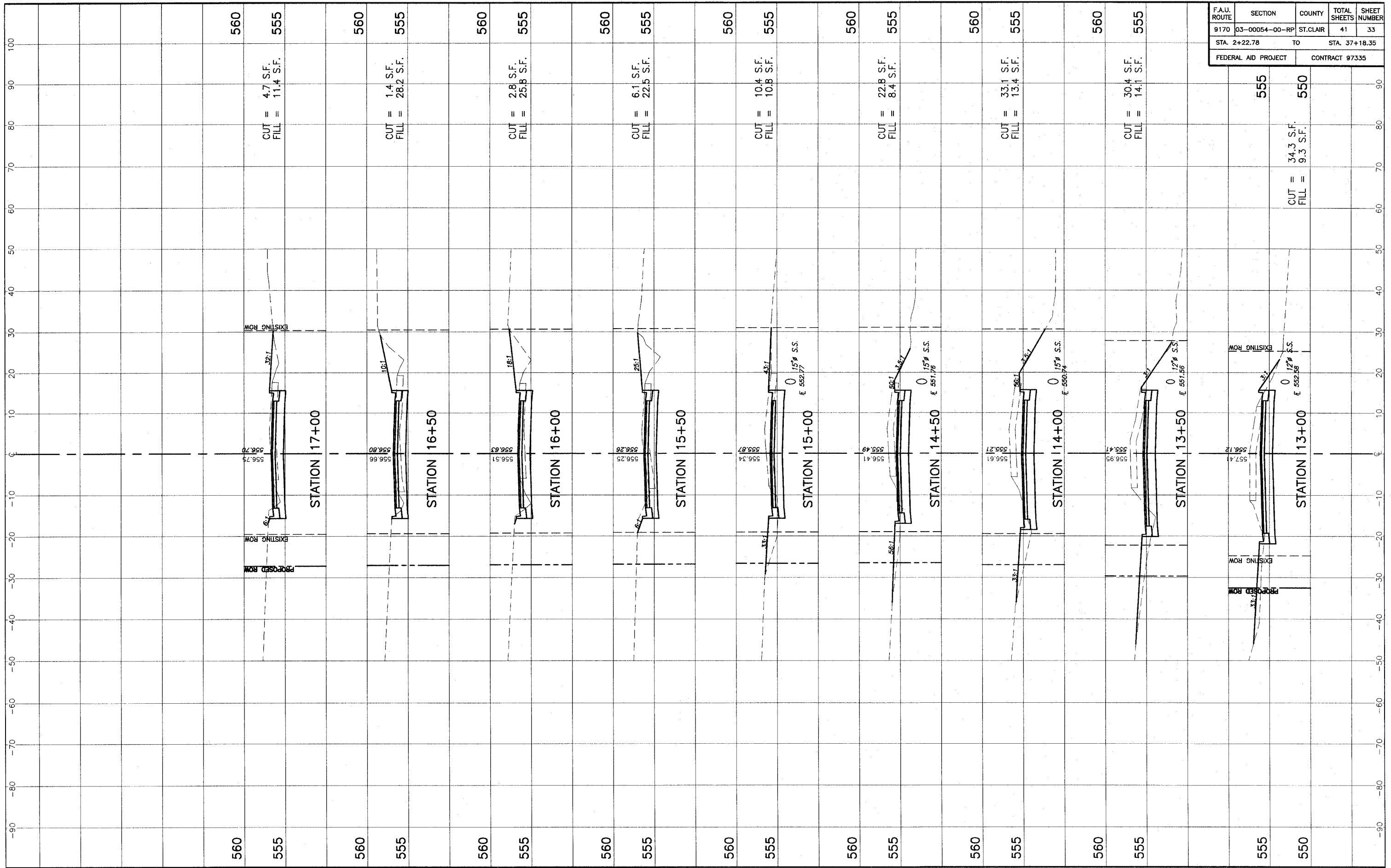
STA. 6+50 - STA. 9+61 CROSS SECTIONS OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	32
STA. 2+22.78		TO		STA. 37+18.35
FEDERAL AID PROJECT			CONTRACT 97335	

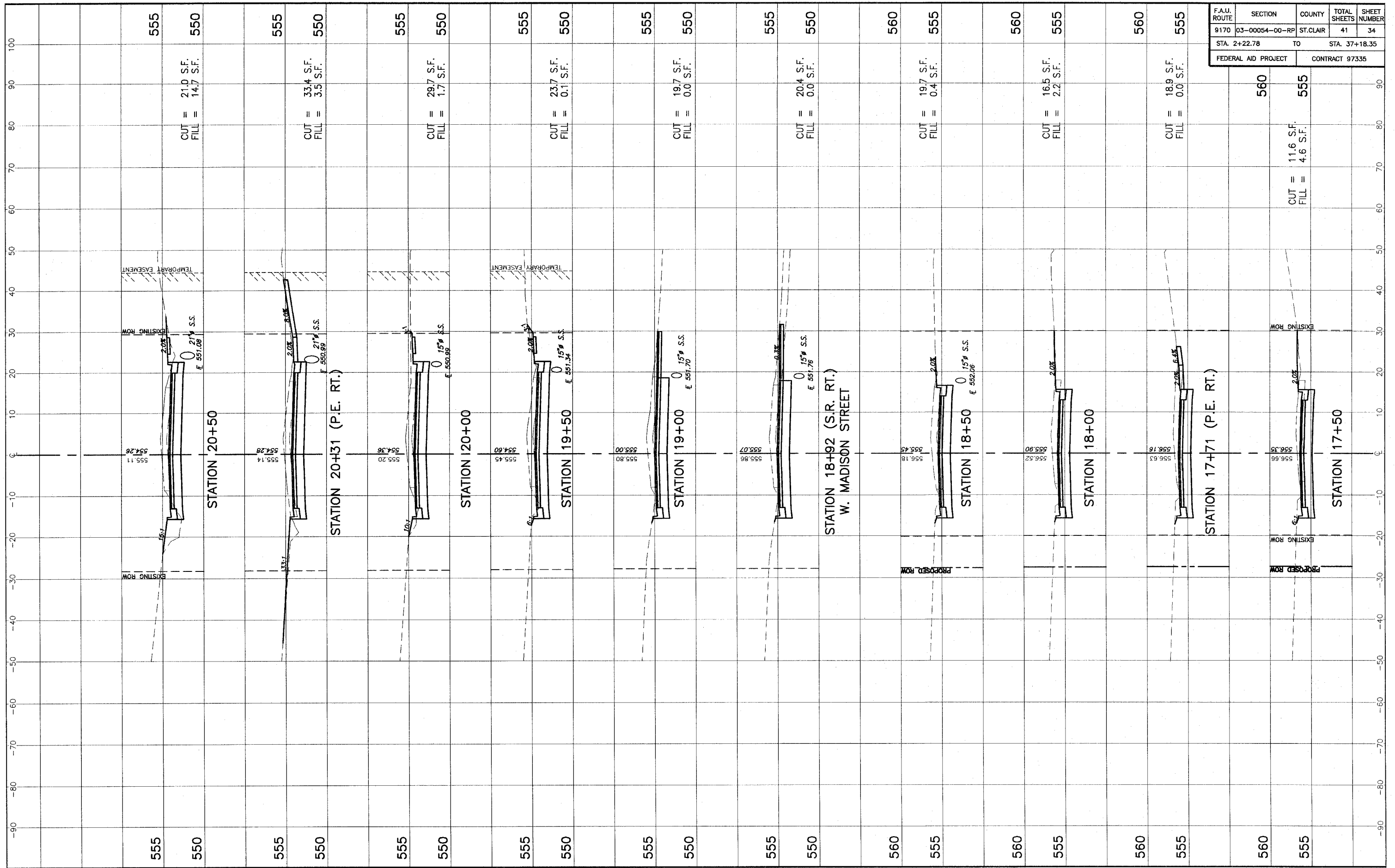
STA. 10+00 - STA. 12+50 CROSS SECTIONS OBERNUEFEMANN ROAD IMPROVEMENTS SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS





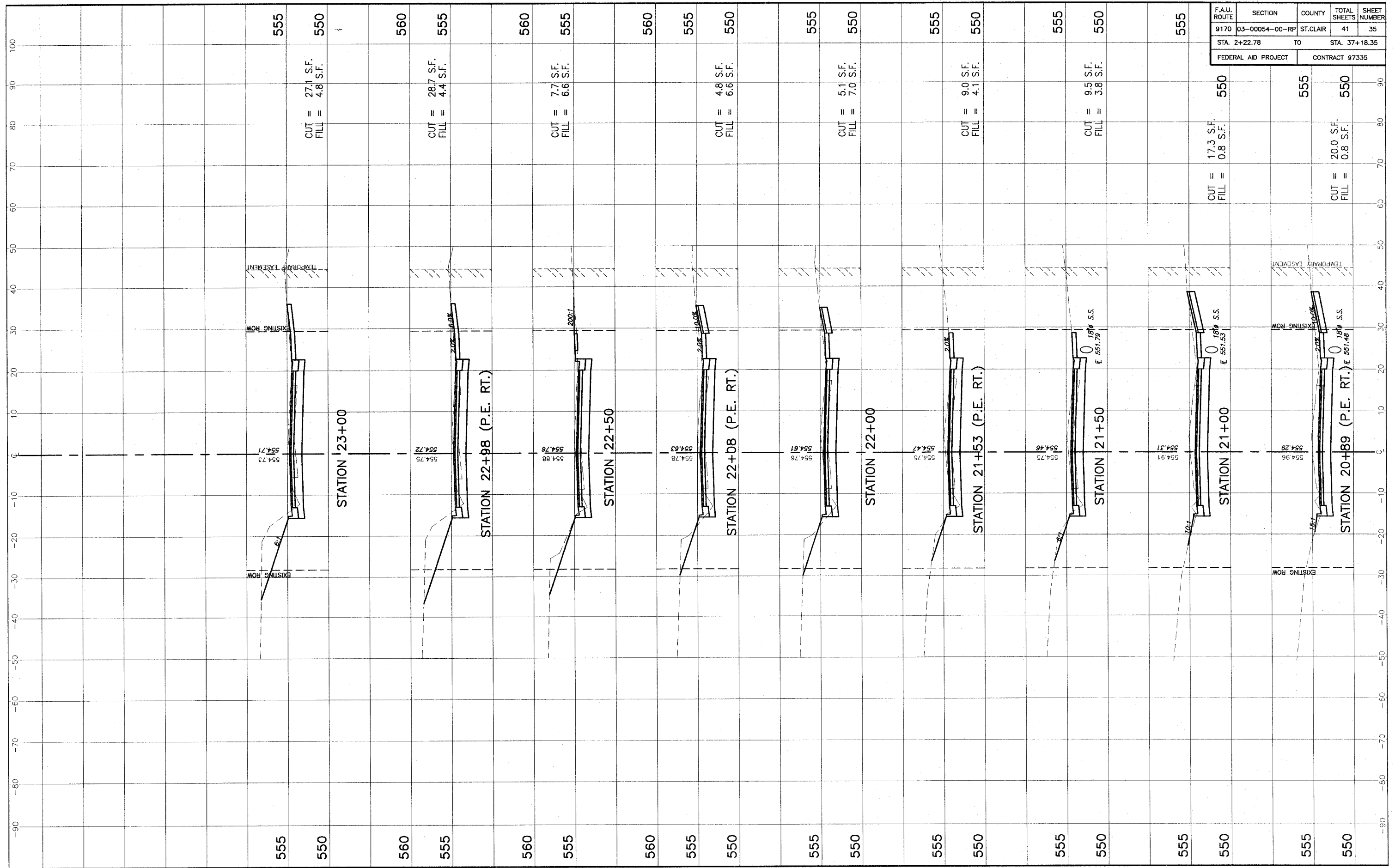
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	33
STA. 2+22.78		TO		STA. 37+18.35
FEDERAL AID PROJECT			CONTRACT 97335	

STA. 13+00 - STA. 17+00 CROSS SECTIONS OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS



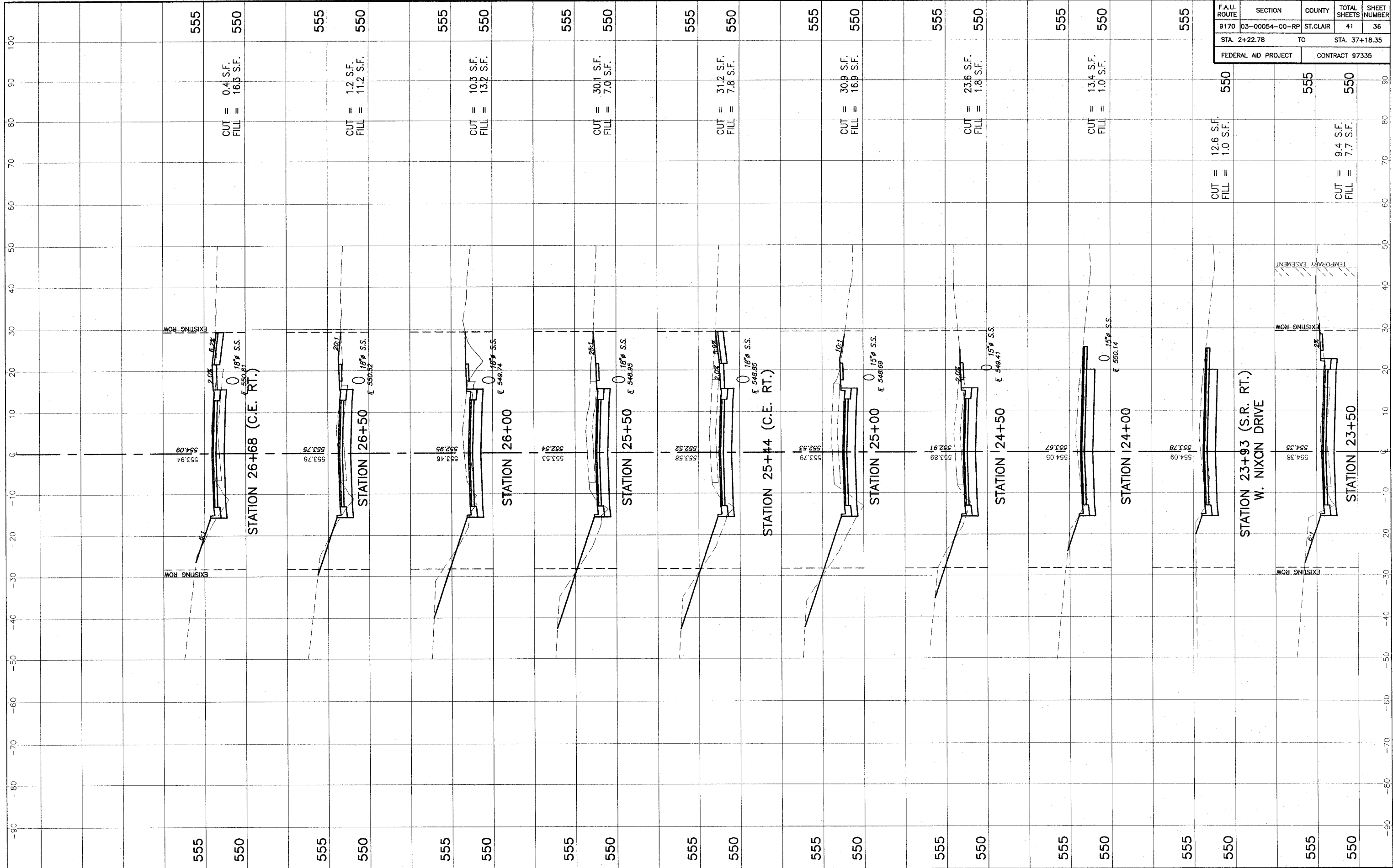
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	34
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	

STA. 17+50 - STA. 20+50 CROSS SECTIONS OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS

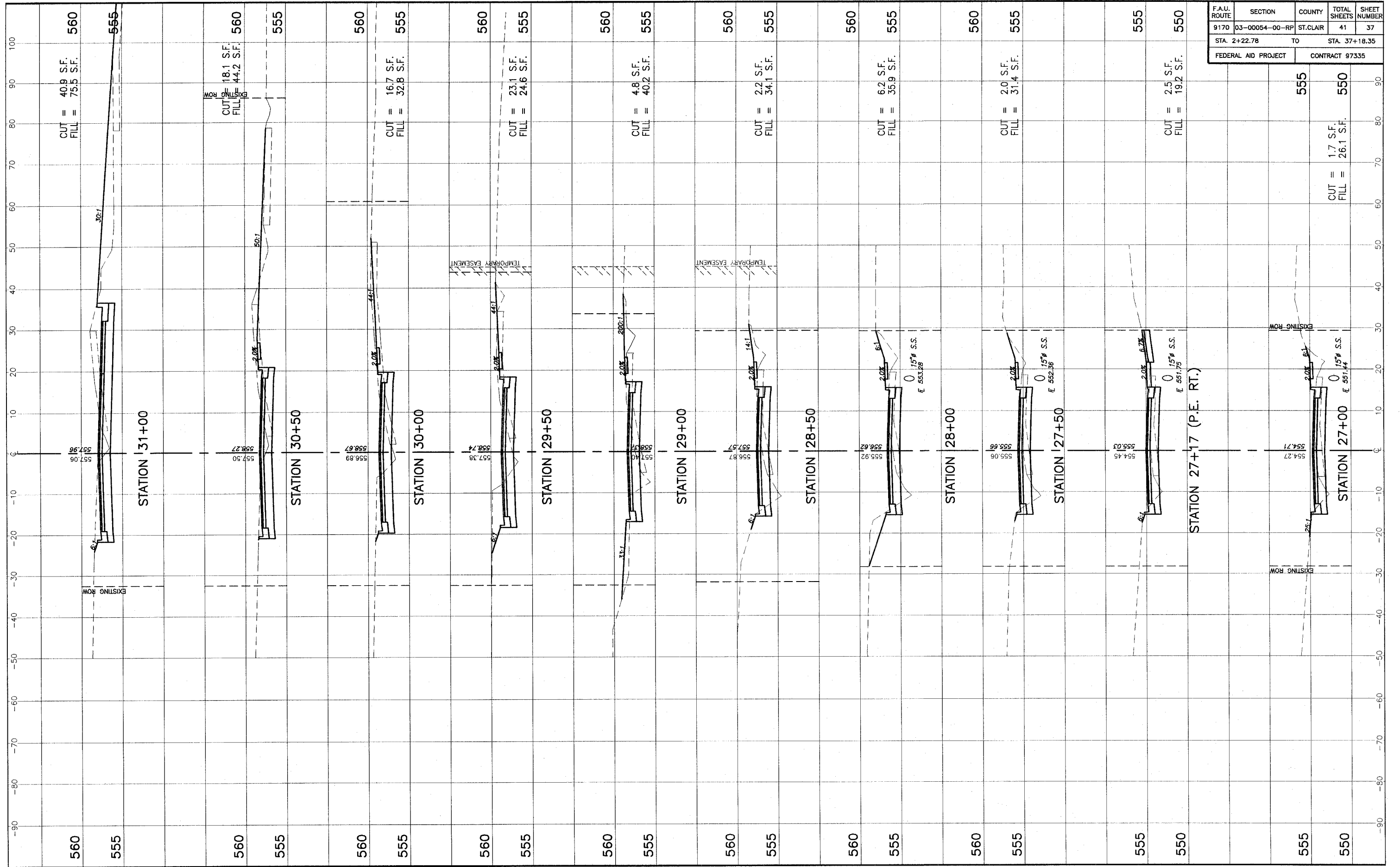


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	35
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	

STA. 20+89 - STA. 23+00 CROSS SECTIONS OBERNEUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS



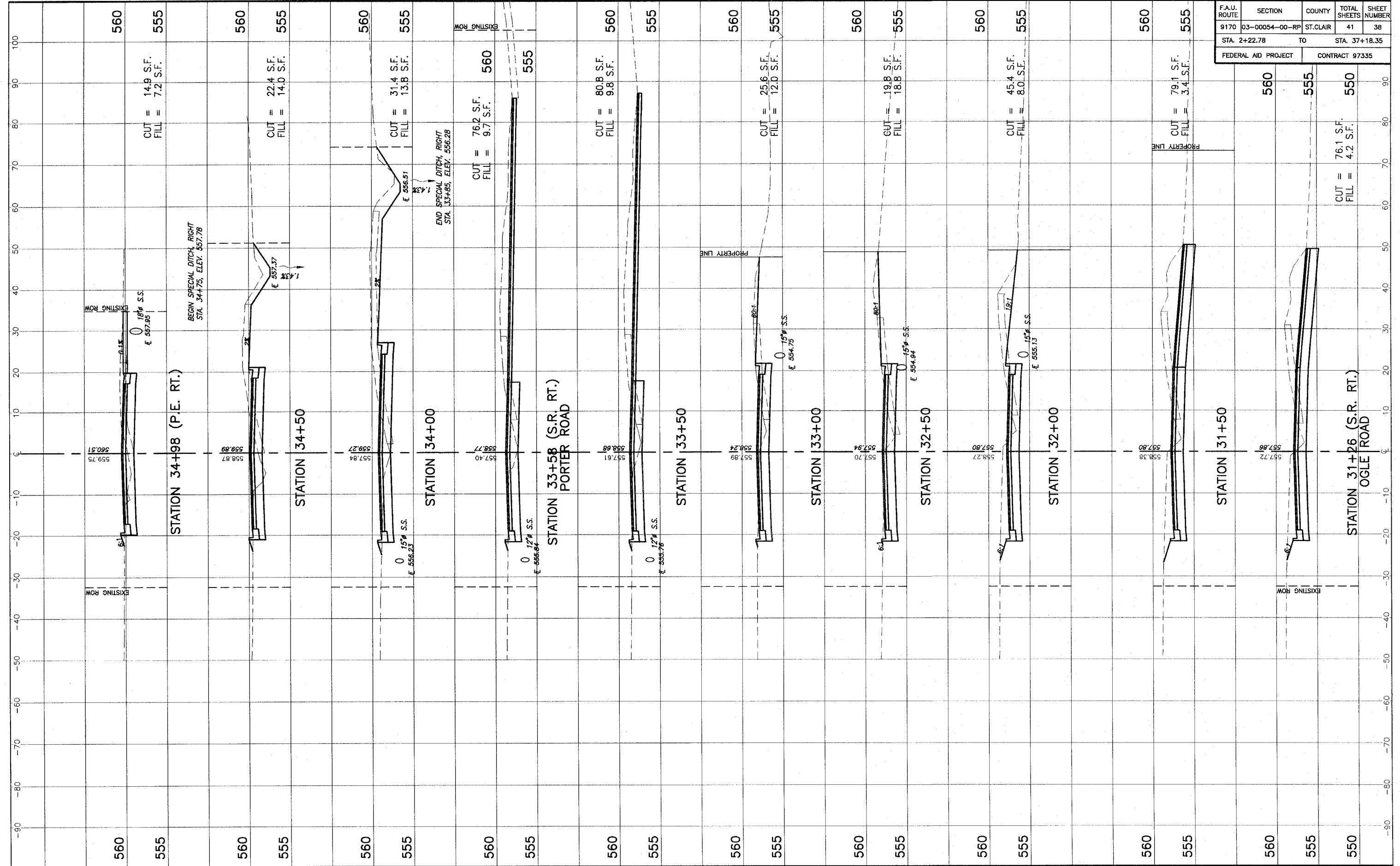
STA. 23+50 - STA. 26+88 CROSS SECTIONS OBERNEUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS



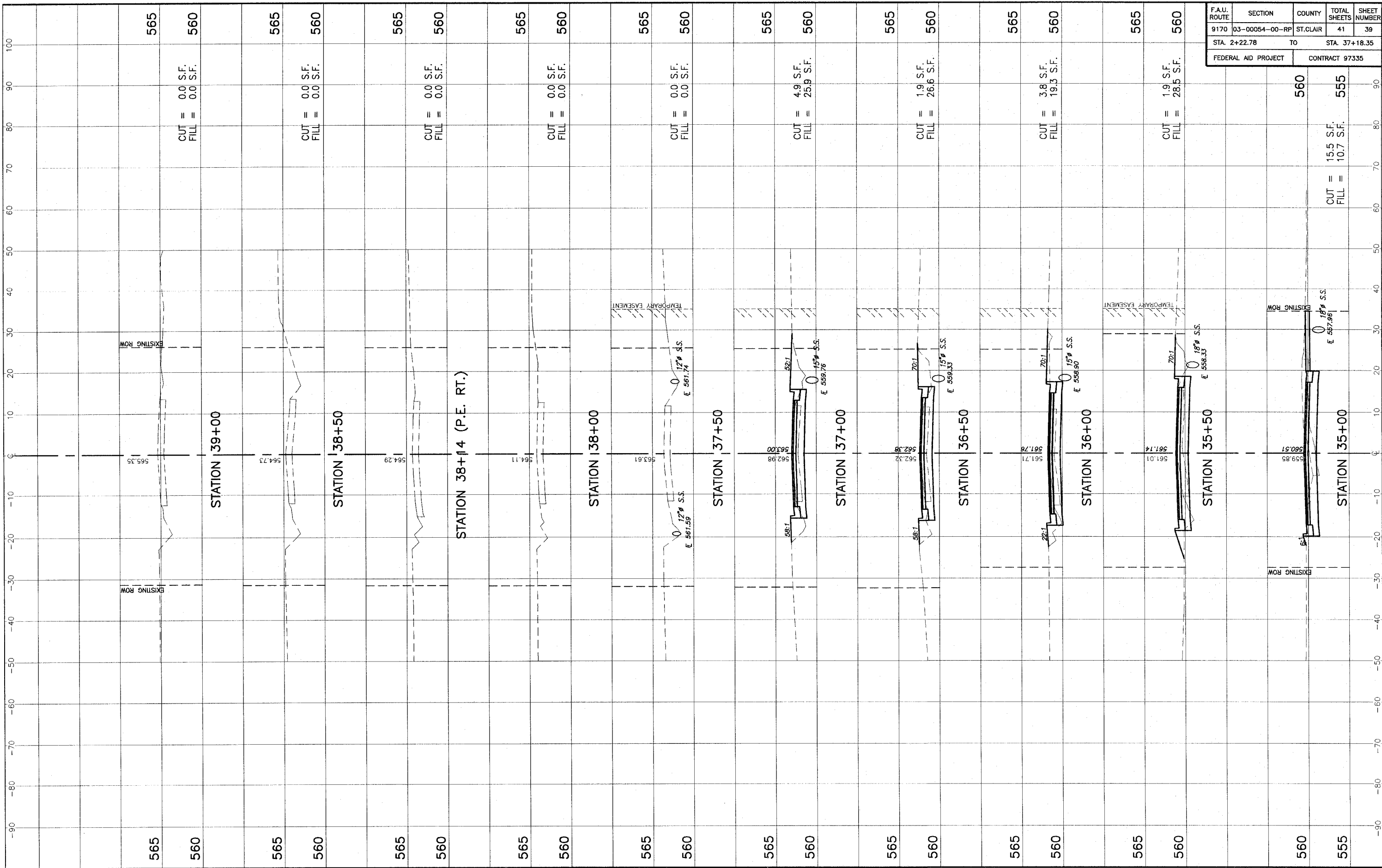
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	37
STA. 2+22.78		TO		STA. 37+18.35
FEDERAL AID PROJECT			CONTRACT 97335	

STA. 27+00 - STA. 31+00 CROSS SECTIONS OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	38
STA. 2+22.78		TO		STA. 37+18.35
FEDERAL AID PROJECT			CONTRACT 97335	

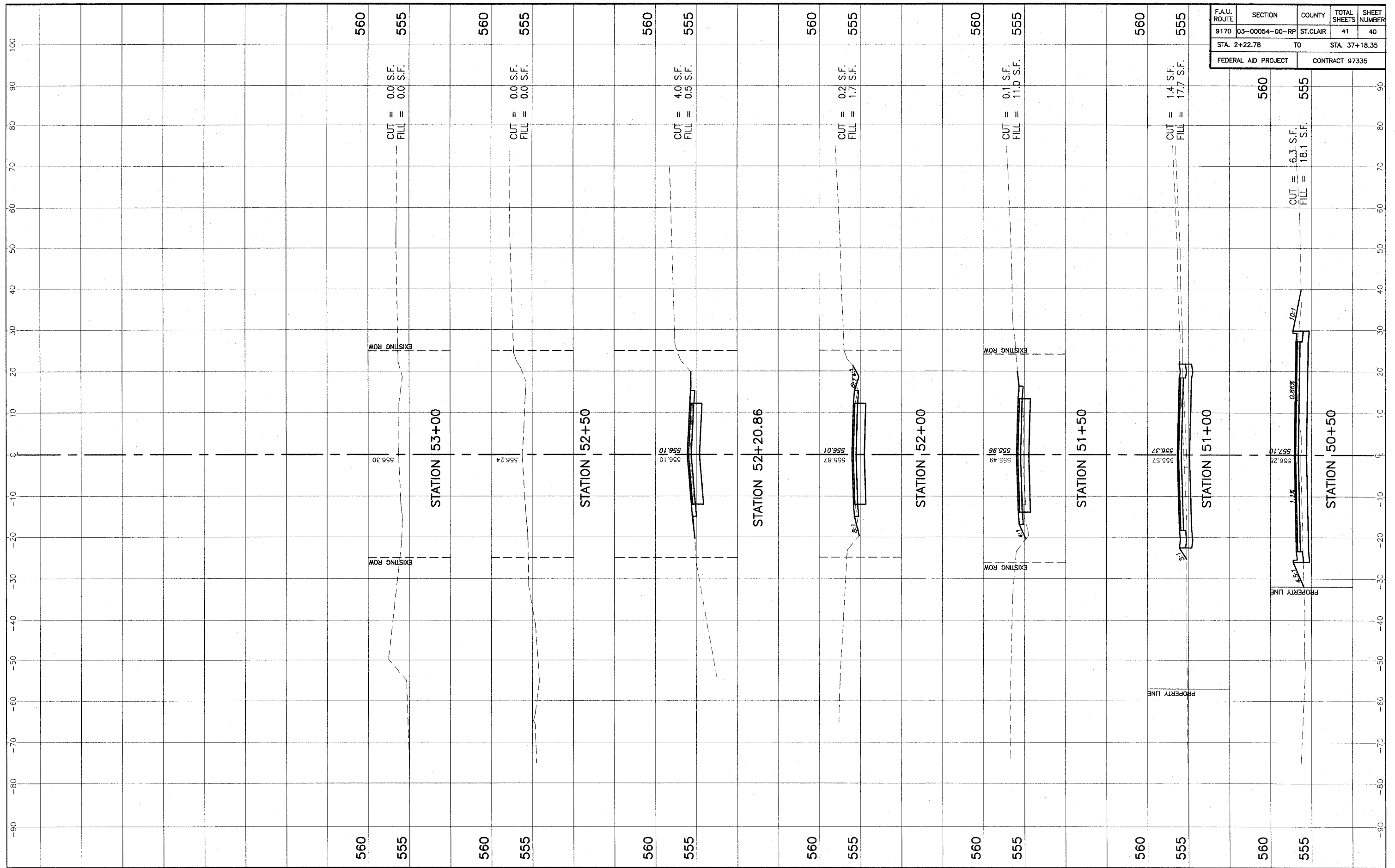


STA. 31+26 - STA. 34+50 CROSS SECTIONS OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	39
STA. 2+22.78		TO		STA. 37+18.35
FEDERAL AID PROJECT			CONTRACT 97335	

STA. 35+00 - STA. 39+00 CROSS SECTIONS OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS

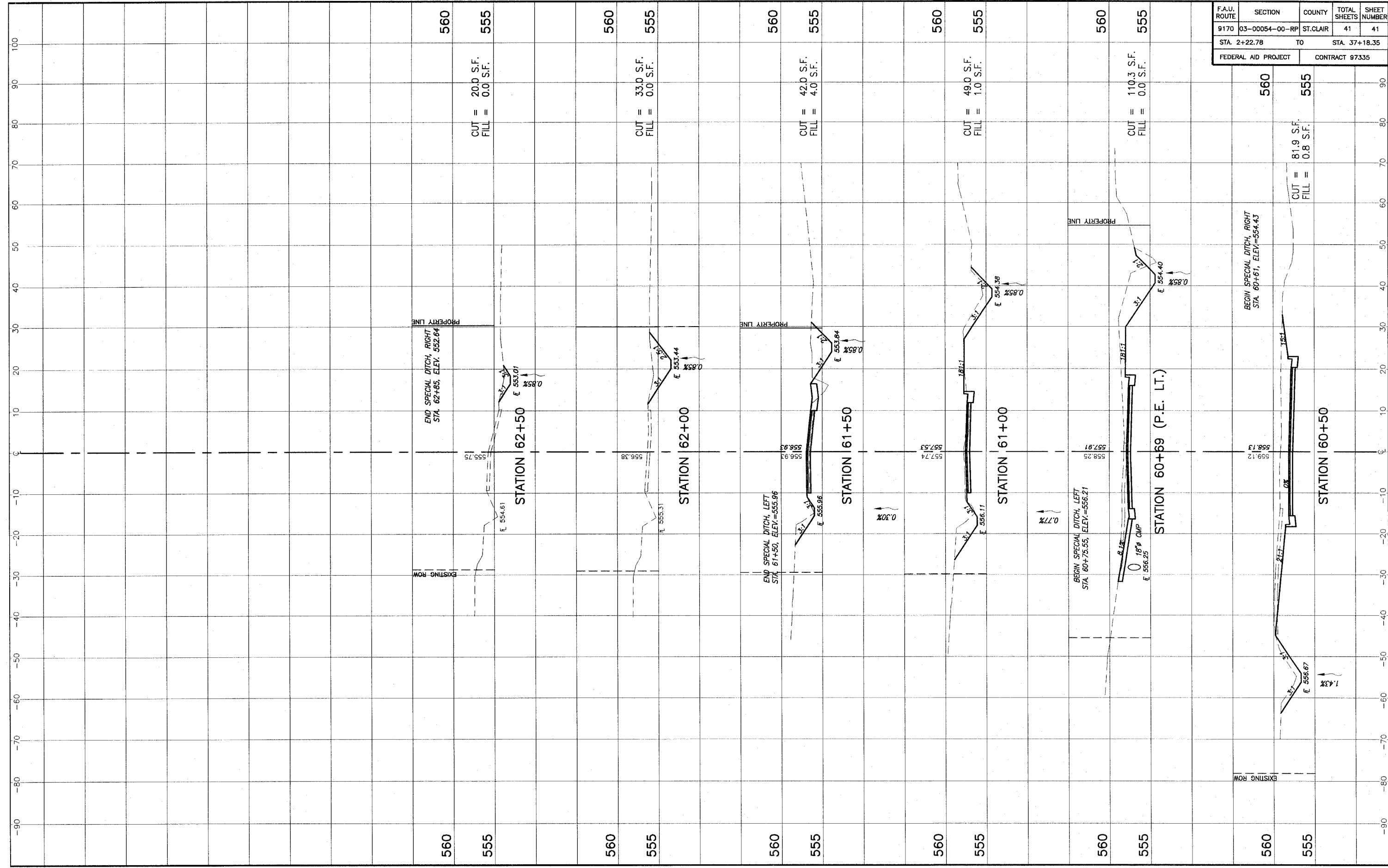


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	40
STA. 2+22.78		TO		STA. 37+18.35
FEDERAL AID PROJECT			CONTRACT 97335	

OGLE ROAD STA. 50+50 - STA. 53+00 CROSS SECTIONS OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9170	03-00054-00-RP	ST. CLAIR	41	41
STA. 2+22.78		TO	STA. 37+18.35	
FEDERAL AID PROJECT			CONTRACT 97335	



PORTER ROAD STA. 60+50 - STA. 62+00 CROSS SECTIONS OBERNUEFEMANN ROAD IMPROVEMENTS  
SECTION 03-00054-00-RP ST. CLAIR COUNTY, ILLINOIS