6-15-07 Letting, Item 243

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	1
STA. 10+00.00		TO STA. 79+10.00		
FEDERAL AID PROJECT		CONTRACT 97302		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED LOCAL AGENCY PROJECT

FAU ROUTE 9249 (MONROE STREET)
SECTION 04-00015-00-FP
PROJECT NO. M-5011(217)
CITY OF LEBANON, ILLINOIS
ST. CLAIR COUNTY
JOB NO. C-98-368-06

INDEX OF SHEETS

APPLICABLE IDOT HIGHWAY STANDARDS:

280001-03	602306-01	701501-03
424001-04	602401-01	702001-06
542301-01	604001-02	BLR 17-3
542401	604066-01	BLR 22-4
602301-01	606001-03	

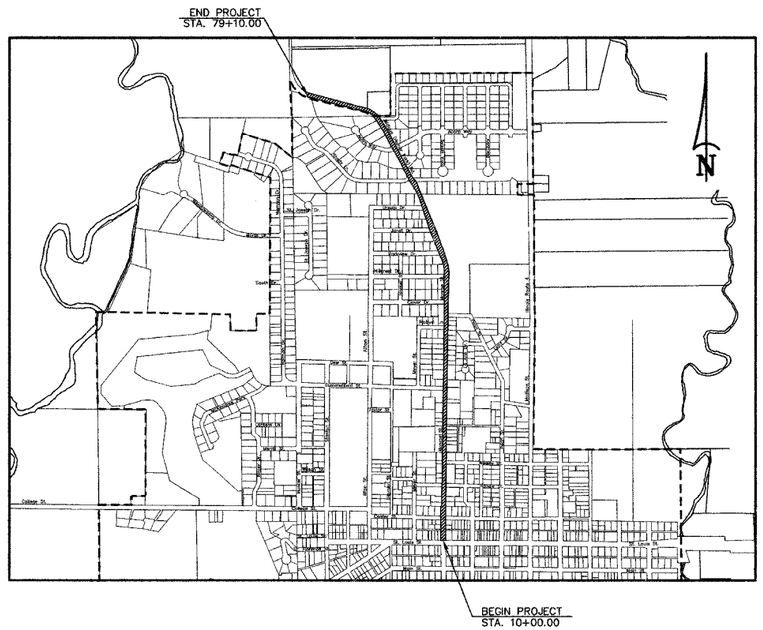
SCALES:

PLAN	0	20	40
PROFILE HORZ.	0	20	40
PROFILE VERT.	0	5	10
CROSS SECTION HORZ.	0	10	20
CROSS SECTION VERT.	0	5	10

UTILITY TYPE	NAME OF UTILITY	PHONE NUMBER
ELECTRIC	AMEREN IP	1-800-755-5000
GAS	AMEREN IP	1-800-755-5000
WATER	CITY OF LEBANON	1-618-537-4976
TELEPHONE	AT&T	1-800-480-8088
CABLE	CHARTER COMMUNICATIONS	1-888-438-2427
SANITARY SEWER	CITY OF LEBANON	1-618-537-4976

MONROE STREET

ROADWAY DESIGNATION: URBAN COLLECTOR
DESIGN SPEED: 30 M.P.H.
DESIGN YEAR: (2017) ADT: 2415



LOCATION MAP
NOT TO SCALE

NET LENGTH OF IMPROVEMENT
6,910.00 FEET = 1.309 MILES

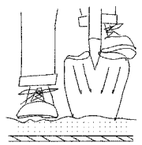
LOCATION OF PROJECT INDICATED THUS:

APPROVED _____ 3/5/07 DATE
SCOTT ABNER, MAYOR
LOCAL AGENCY REPRESENTATIVE

PASSED April 10 2007 DATE
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID
BASED ON LIMITED REVIEW 4-10-07 DATE
MARY C. LAMIE, P.E.
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

TRACY M. LAWLESS 47331 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

Tracy M. Lawless
3/5/07 Date of Signing
11/30/07 Date of License Expiration

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

E:\45404 - Lebanon - Monroe St STP Projects\dwg\SHEET 01_Cover_Sheet.dwg, 3/14/2007 12:44:56 PM, Plotted by M.A.L.

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	2
STA. 10+00.00		TO STA. 79+10.00		
FEDERAL AID PROJECT		CONTRACT 97302		

GENERAL NOTES

ALL CONSTRUCTION SHALL BE ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007.

THE STANDARDS WITH THE REVISION NUMBER LISTED ON THE COVER SHEET OF THE PLANS SHALL APPLY TO THIS PROJECT.

UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED TO BE APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. FIELD LOCATIONS OF UNDERGROUND FACILITIES MAY BE OBTAINED BY CALLING THE J.U.L.I.E. SYSTEM AT 800-892-0123 AND PROVIDING 48 HOURS ADVANCE NOTICE. NON-J.U.L.I.E. MEMBERS MAY BE CONTACTED DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT LIMITS ARE LISTED ON THE COVER SHEET.

ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGEMENT OPERATIONS IN ORDER THAT THESE OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER.

THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT PRIVATE PROPERTY CONTIGUOUS WITH THE WORK. SPECIFICALLY, THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL LANDSCAPING, TREES AND FENCES WHICH ARE NOT CALLED OUT TO BE REMOVED. ALL PRIVATE PROPERTY THAT IS DAMAGED OR DESTROYED SHALL BE RESTORED TO A CONDITION EQUAL TO THAT EXISTING PRIOR TO DAMAGE ACCORDING TO ARTICLE 107.20 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION"

THE UTILITY COMPANIES LISTED ON THE COVER SHEET MAY HAVE FACILITIES LOCATED WITHIN THE LIMITS OF CONSTRUCTION WHICH MAY REQUIRE ADJUSTMENT, RELOCATION OR REMOVAL. IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THIS FACT INTO CONSIDERATION IN PREPARING HIS/HER BID AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCE CAUSED BY SAME.

ALL ROADSIDE OBJECTS (UTILITY POLES, FIRE HYDRANTS, SIGNS, ETC.) SHALL BE RELOCATED TO PROVIDE A MINIMUM OF 24" CLEARANCE, MEASURED FROM THE FACE OF CURB TO THE NEAR EDGE OF THE OBJECT.

THE CONTRACTOR SHALL REMOVE, MAINTAIN IN A TEMPORARY LOCATION AND PERMANENTLY RESET ALL MAILBOXES AND SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS ACCORDING TO ARTICLES 107.20 AND 107.25 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AN AUTHORIZED SURVEYOR, OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE AREA LOCATED WITHIN THE CONSTRUCTION LIMIT LINES, SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS' ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

ALL EARTH SURFACES DISTURBED BY CONSTRUCTION SHALL BE SEEDED AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE "SUMMARY OF QUANTITIES" FOR THIS WORK:

SEEDING, CLASS 1	2.09 ACRES
NITROGEN FERTILIZER NUTRIENT	188 POUNDS
PHOSPHORUS FERTILIZER NUTRIENT	188 POUNDS
POTASSIUM FERTILIZER NUTRIENT	188 POUNDS

SEEDING DATES: FALL: AUGUST 1 – NOVEMBER 15
: SPRING: MARCH 1 – JUNE 1

NO SEEDING SHALL BE DONE BETWEEN JUNE 1 – AUGUST 1

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION TO PUBLIC ROADWAYS RESULTING FROM THE HAULING OF BORROW MATERIAL OR ANY OTHER CONSTRUCTION RELATED ACTIVITY.

THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS BEING PLACED.

ALL STORM SEWER AND CULVERT PIPE TO BE REMOVED WHICH THE ENGINEER DEEMS FIT FOR USE SHALL BE SALVAGED ACCORDING TO ARTICLE 501.02 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". ALL OTHER STORM SEWER AND CULVERT PIPE SHALL BE DISPOSED OF ACCORDING TO ARTICLE 202.03.

ALL PIPE DRAINS, BOTH EXPOSED AND UNEXPOSED, THAT DISCHARGE INTO THE EXISTING DITCH SYSTEM SHALL BE DISCHARGED INTO THE NEAREST INLET. PIPE SHALL BE INSTALLED AT A MINIMUM GRADIENT OF 0.50%. ALL EQUIPMENT, MATERIALS, AND LABOR REQUIRED TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

STORM SEWER INVERTS SHOWN ON THE PLANS HAVE BEEN CALCULATED TO THE CENTER OF THE STRUCTURE. THE STORM SEWER SLOPES SHOWN ON THE PLANS ARE THE PERCENT GRADES FROM CENTER TO CENTER OF STRUCTURE. THE LENGTHS OF STORM SEWER SHOWN ON THE PLANS IS THE APPROXIMATE PAY LENGTH AS SPECIFIED IN ARTICLE 550.09 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

ALL TRANSITIONAL CONCRETE CURB AND GUTTER SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAL FOOT FOR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18.

ALL PROPOSED EMBANKMENT SHALL BE BENCHED INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.

PROTECTIVE COAT SHALL BE APPLIED TO ALL SIDEWALK, GUTTER FLAGS AND CURB FACES.

"ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND SHALL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE IN COLOR 48" X 48".

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING OF MATERIALS AND CONSTRUCTION.

THE FOLLOWING ITEMS AND APPROXIMATE QUANTITIES ARE INCLUDED IN THE PROPOSAL IN ORDER TO ESTABLISH A UNIT COST FOR WORK WHICH MAY BE REQUIRED TO CONSTRUCT THIS SECTION. THE ACTUAL QUANTITY OF EACH ITEM SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

AGGREGATE FOR TEMPORARY ACCESS 350 TON (USED TO MAINTAIN ACCESS FOR RESIDENTS LOCATED WITHIN THE PROJECT LIMITS)

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

APPLICATION RATES

AGGREGATE MATERIALS	2.05 Tons/cu yd
GRANULAR MATERIALS	2.05 Tons/cu yd
BITUMINOUS MATERIALS PRIME COAT	0.375 Gallons/sq yd (Aggregate Surface) or 0.075 Gallons/sq yd (Concrete or Bituminous Surface)
AGGREGATE PRIME COAT	5 Lbs/sq yd (Aggregate Surface) or 3 Lbs/sq yd (Concrete or Bituminous Surface)
BITUMINOUS CONCRETE SURFACE & BINDER COURSE	112 Lbs/sq yd/Inch or 2.016 Tons/cu yd
MULCH METHOD 2	2 Tons/acre

	FOR ALL SEEDED AREA
NITROGEN FERTILIZER NUTRIENT	90 Lbs/acre
PHOSPHORUS FERTILIZER NUTRIENT	90 Lbs/acre
POTASSIUM FERTILIZER NUTRIENT	90 Lbs/acre

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	3
STA. 10+00.00		TO STA. 79+10.00		
FEDERAL AID PROJECT		CONTRACT 97302		

SUMMARY OF QUANTITIES

CODE	ITEM DESCRIPTION	UNIT	QUANTITY	CONSTRUCTION CODE 1000
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	20	20
20200100	EARTH EXCAVATION	CU YD	4112	4112
20400800	FURNISHED EXCAVATION	CU YD	541	541
20800150	TRENCH BACKFILL	CU YD	1044.6	1044.6
25000100	SEEDING, CLASS 1	ACRE	2.09	2.09
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	376	376
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	376	376
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	376	376
25100115	MULCH, METHOD 2	ACRE	2.09	2.09
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	209	209
28000300	TEMPORARY DITCH CHECKS	EACH	4	4
28000400	PERIMETER EROSION BARRIER	FOOT	3325	3325
28000500	INLET AND PIPE PROTECTION	EACH	3	3
28100105	STONE RIPRAP, CLASS 3	SQ YD	39.9	39.9
28200200	FILTER FABRIC	SQ YD	39.9	39.9
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	13734	13734
40200500	AGGREGATE SURFACE COURSE, TYPE A 6"	SQ YD	223.2	223.2
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	350	350
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5755	5755
40600300	AGGREGATE (PRIME COAT)	TON	46.9	46.9
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	588	588
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	300	300
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	977	977
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	2375	2375
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	13.5	13.5
42001300	PROTECTIVE COAT	SQ YD	2814	2814
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	791.4	791.4
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	5369	5369
42400800	DETECTABLE WARNINGS	SQ FT	80	80
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	746.2	746.2
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	356.5	356.5
44000600	SIDEWALK REMOVAL	SQ FT	806	806
50105220	PIPE CULVERT REMOVAL	FOOT	1794.5	1794.5
54213447	END SECTIONS 12"	EACH	3	3
54213456	END SECTIONS 21"	EACH	3	3
54213459	END SECTIONS 24"	EACH	1	1
54213471	END SECTIONS 36"	EACH	1	1
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	160.5	160.5
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	136.0	136.0
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	7.0	7.0
550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	105.0	105.0
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	100.0	100.0
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	368.0	368.0
550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	970.0	970.0
550B0090	STORM SEWERS, CLASS B, TYPE 1 18"	FOOT	766.0	766.0
550B0110	STORM SEWERS, CLASS B, TYPE 1 21"	FOOT	142.5	142.5

SUMMARY OF QUANTITIES

CODE	ITEM DESCRIPTION	UNIT	QUANTITY	CONSTRUCTION CODE 1000
550B0120	STORM SEWERS, CLASS B, TYPE 1 24"	FOOT	539.0	539.0
550B0130	STORM SEWERS, CLASS B, TYPE 1 27"	FOOT	322.0	322.0
550B0160	STORM SEWERS, CLASS B, TYPE 1 36"	FOOT	20.0	20.0
56109210 *	WATER VALVES TO BE ADJUSTED	EACH	24	24
56400800 *	FIRE HYDRANTS AND VALVES TO BE MOVED	EACH	2	2
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2
60237000	INLETS, TYPE A, TYPE 15 FRAME AND LID	EACH	20	20
60240320	INLETS, TYPE B, TYPE 15 FRAME AND LID	EACH	17	17
60242500	INLETS, SPECIAL, NO.1	EACH	12	12
60242600	INLETS, SPECIAL, NO.2	EACH	2	2
60255500	MANHOLES TO BE ADJUSTED	EACH	15	15
60260100	INLETS TO BE ADJUSTED	EACH	2	2
60500060	REMOVING INLETS	EACH	9	9
60604400	COMBINATION CURB AND GUTTER, TYPE B-6.18	FOOT	9580	9580
63300115 *	REMOVAL AND REINSTALLATION OF EXISTING STEEL PLATE BEAM GUARDRAIL, SINGLE RAIL	FOOT	183	183
67100100	MOBILIZATION	L SUM	1	1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1
X0322923 *	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	295	295
X0323381	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 1, 12"	FOOT	415.5	415.5
X0323383	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 1, 18"	FOOT	339.5	339.5
X0323429	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 1, 21"	FOOT	88.0	88.0
X0323430	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 1, 24"	FOOT	259.5	259.5
XX004040 *	DOMESTIC WATER METER TO BE RELOCATED	EACH	1	1
XX005721 *	WATER METER TO BE ADJUSTED	EACH	6	6

* SPECIALTY ITEMS

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	4
STA. 10+00.00		TO STA. 79+10.00		
FEDERAL AID PROJECT		CONTRACT 97302		

ENTRANCE SCHEDULE

STATION	SURFACE	LENGTH (FOOT)		WIDTH (FOOT)	DRIVEWAY PVM'T REMOVAL (SQ. YD.)	PCC DRIVEWAY PAVEMENT 6" (SQ. YD.)	INCIDENTAL BIT. SURFACING (2) (TON)	AGG SURFACE COURSE. TY A, 6" (SQ. YD.)	AGG BASE COURSE. TY A, 8" (SQ. YD.)
		TOTAL	"L" (1)						
30+94.90 RT.	ASPHALT	9.8	3.8	19.9	33.6	22.8			
31+85.89 LT.	P.C.C. / ASPHALT	30.7	3.7	19.6	78.8	67.9			
32+02.35 RT.	AGGREGATE	12.5	4.0	10.0		12.3		2.9	
32+18.30 LT.	AGGREGATE	24.8	3.8	11.0		13.2		18.3	
33+05.86 RT.	AGGREGATE	13.1	4.0	14.0		16.7		4.8	
33+97.17 LT.	P.C.C. / AGG.	33.7	3.7	18.0	28.5	49.8		19.0	
34+02.14 RT	AGGREGATE	10.0	4.0	17.0		20.1			
34+49.84 RT.	AGGREGATE	10.0	4.0	21.0		24.6			
34+59.20 LT.	ASPHALT	30.2	3.6	11.3	47.5	13.3	4.34		25.8
34+87.58 RT.	P.C.C. / AGG.	10.0	4.0	19.1	10.4	22.5			
35+35.43 LT.	P.C.C. / AGG.	29.4	3.6	10.8	23.8	36.6			
36+04.03 LT.	P.C.C. / AGG.	29.1	3.8	20.2	23.4	46.7		19.8	
36+05.87 RT.	P.C.C.	9.8	3.8	20.0	29.6	23.1			
36+65.67 RT.	P.C.C.	9.8	3.8	10.0	14.5	12.1			
36+71.94 LT.	P.C.C. / AGG.	30.9	3.8	24.6	25.3	53.1		32.4	
37+05.67 RT.	P.C.C.	9.8	3.8	10.0	14.3	12.1			
37+47.69 LT.	P.C.C. / AGG.	48.4	3.8	20.6	26.0	50.8		61.3	
39+28.41 RT.	AGGREGATE	9.8	3.8	10.0		12.1			
50+18.67 RT.	AGGREGATE	9.9	3.9	10.0		12.2			
50+31.64 LT.	AGGREGATE	45.2	3.8	11.0		13.2		43.3	
51+02.83 LT.	P.C.C.	40.7	4.2	17.9	73.0	82.6			
56+82.33 LT.	P.C.C.	9.2	3.2	13.3		14.9			
60+16.07 LT.	P.C.C.	31.8	4.8	9.9	42.1	36.8			
69+51.56 RT.	AGGREGATE	25.1	4.3	10.0		12.6		21.4	
70+64.29 RT.	OIL & CHIP	20.9	4.5	15.0	109.2	45.5			
72+69.73 LT.	ASPHALT	25.5	7.9	12.0	50.0	20.0	2.60		15.5
75+09.12 LT.	ASPHALT	33.9	9.0	13.8	66.2	24.1	4.02		23.9
78+33.40 LT.	ASHPALT	27.9	8.1	11.7	50.0	19.7	2.55		15.2
TOTAL					746.2	791.4	13.5	223.2	80.4

(1) SEE P.E. DETAIL SHT. 23
(2) INCIDENTAL BITUMINOUS SURFACING TO BE 3" THICK

STORM SEWER STRUCTURE SCHEDULE

LOCATION	DESCRIPTION	TOP LID	INVERT
STA. 31+20.35, 17.27' LT.	INLET TB, T15 F&L	469.24	466.00
STA. 31+64.07, 15.35' LT.	INLET TB, T15 F&L	469.85	466.23
STA. 32+30.15, 15.35' LT.	INLET TB, T15 F&L	470.26	467.74
STA. 32+38.05, 15.73' RT.	INLET TA, T15 F&L	470.29	498.74
STA. 33+36.54, 15.82' LT.	INLET TA, T15 F&L	470.61	467.12
STA. 34+11.29, 15.82' LT.	INLET TA, T15 F&L	470.84	467.51
STA. 34+74.58, 16.00' LT.	INLET TA, T15 F&L	471.03	467.85
STA. 35+49.95, 17.50' LT.	INLET SPECIAL, NO. 2	471.26	467.84
STA. 35+49.95, 17.50' RT.	INLET SPECIAL, NO. 2	471.26	467.49
STA. 35+49.92, 30.02' RT.	END SECTION 21", 2 EA.		467.15
STA. 36+20.98, 17.50' LT.	INLET SPECIAL, NO. 1	471.47	468.21
STA. 38+01.75, 17.50' LT.	INLET SPECIAL, NO. 1	473.20	469.17
STA. 38+01.75, 15.82' RT.	INLET TA, T15 F&L	473.20	470.66
STA. 38+79.86, 19.90' LT.	INLET SPECIAL, NO. 1	474.74	470.07
STA. 39+30.54, 20.09' LT.	INLET SPECIAL, NO. 1	475.74	471.07
STA. 40+90.77, 28.35' RT.	MH TA 4' w/ T1 F&CL	477.88	474.28
STA. 40+90.83, 40.00' RT.	END SECTION 12"		473.60
STA. 41+08.63, 15.82' RT.	INLET TA, T15 F&L	479.35	475.52
STA. 41+92.28, 22.05' LT.	INLET SPECIAL , NO. 1	481.07	477.36
STA. 42+39.09, 19.55' LT.	INLET TB, T15 F&L	481.79	478.09
STA. 42+39.11, 15.82' RT.	INLET TA, T15 F&L	481.84	478.02
STA. 43+83.12, 15.34' LT.	INLET TB, T15 F&L	484.31	480.42
STA. 45+34.93, 18.51' LT.	INLET TB, T15 F&L	486.57	482.88
STA. 45+34.93, 15.83' RT.	INLET TA, T15 F&L	486.59	484.06
STA. 45+87.27, 18.03' LT.	INLET TB, T15 F&L	487.13	483.44
STA. 46+45.94, 16.81' LT.	MH TA 4' w/ T1 F&CL	487.57	484.03
STA. 47+28.88, 15.33' LT.	INLET TB, T15 F&L	488.24	484.86
STA. 47+28.88, 15.80' RT.	INLET TA, T15 F&L	488.24	485.69
STA. 48+67.61, 18.59' LT.	INLET TA, T15 F&L	490.50	486.25
STA. 49+21.71, 20.16' LT.	INLET TA, T15 F&L	490.68	486.98
STA. 52+06.02, 21.53' LT.	INLET TA, T15 F&L	490.60	486.55
STA. 52+55.34, 21.69' LT.	INLET TA, T15 F&L	489.74	485.91
STA. 55+26.96, 20.33' LT.	INLET TB, T15 F&L	484.84	482.18
STA. 55+83.68, 20.50' LT.	INLET TB, T15 F&L	484.74	481.78
STA. 55+83.68, 15.79' RT.	INLET TA, T15 F&L	484.65	482.15
STA. 57+58.94, 15.80' RT.	INLET TA, T15 F&L	483.90	480.73
STA. 57+82.55, 22.73' LT.	END SECTION 24"		480.20
STA. 57+83.00, 15.33' LT.	INLET TB, T15 F&L	483.80	480.10
STA. 58+85.16, 15.33' LT.	INLET TB, T15 F&L	483.36	479.56
STA. 58+85.16, 15.73' RT.	INLET TA, T15 F&L	483.36	480.00
STA. 60+10.44, 17.50' LT.	INLET SPECIAL, NO. 1	482.83	478.89
STA. 60+96.62, 17.50' LT.	INLET SPECIAL, NO. 1	482.59	478.43
STA. 60+96.62, 17.50' RT.	INLET SPECIAL, NO. 1	482.59	479.16
STA. 61+56.26, 38.34' LT.	END SECTION 36"		476.84
STA. 61+61.99, 17.50' LT.	INLET SPECIAL, NO. 1	482.74	478.11
STA. 61+61.99, 15.81' RT.	INLET TA, T15 F&L	482.74	479.83
STA. 63+71.00, 19.80' LT.	INLET SPECIAL, NO. 1	482.72	479.22
STA. 63+73.36, 20.21' RT.	INLET TB, T15 F&L	482.75	479.64
STA. 64+17.68, 19.32' RT.	INLET TB, T15 F&L	482.98	479.77
STA. 64+23.15, 19.38' LT.	INLET TB, T15 F&L	482.97	479.82
STA. 64+36.55, 24.26' LT.	END SECTION 12"		481.92
STA. 70+31.56, 15.73' LT.	INLET TA, T15 F&L	483.22	480.28
STA. 71+91.14, 15.33' LT.	INLET TB, T15 F&L	481.47	478.94
STA. 71+91.14, 21.69' RT.	END SECTION 12"		479.38
STA. 72+95.09, 15.82' LT.	INLET TA, T15 F&L	480.98	478.06
STA. 74+82.23, 15.33' LT.	INLET TB, T15 F&L	480.35	477.36
STA. 74+82.23, 15.82' RT.	INLET TA, T15 F&L	480.35	477.53
STA. 77+94.23, 17.50' LT.	INLET SPECIAL, NO. 1	479.17	476.10
STA. 77+94.23, 17.50' RT.	INLET SPECIAL, NO. 1	479.17	476.26
STA. 78+98.72, 18.34' LT.	END SECTION 21"		475.70

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

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	5

STA. 10+00.00 TO STA. 79+10.00

FEDERAL AID PROJECT | CONTRACT 97302

STORM SEWER SCHEDULE

LOCATION	CLASS A, TYPE 1					CLASS B, TYPE 1							WATER MAIN REQUIREMENTS, TYPE 1				TRENCH BACKFILL
	12" (FOOT)	15" (FOOT)	18" (FOOT)	21" (FOOT)	24" (FOOT)	12" (FOOT)	15" (FOOT)	18" (FOOT)	21" (FOOT)	24" (FOOT)	27" (FOOT)	36" (FOOT)	12" (FOOT)	18" (FOOT)	21" (FOOT)	24" (FOOT)	(CU YD)
STA. 31+10.82 – 31+20.35 LT.			7.0														1.6
STA. 31+20.35 – 31+64.07 LT.								42.0									5.3
STA. 31+64.07 – 32+30.15 LT.								63.0									9.6
STA. 32+38.05 RT. – 32+30.15 LT.													30.0				9.0
STA. 32+30.15 – 33+36.54 LT.							103.5										15.9
STA. 33+36.54 – 34+11.29 LT.							73.5										10.4
STA. 34+11.29 – 34+74.58 LT.						55.5											7.2
STA. 35+49.95 – 35+49.92 RT.															24.0		
STA. 35+49.95 LT. – 35.49.95 RT.															64.0		22.9
STA. 35+49.95 – 36+20.98 LT.											67.0						13.1
STA. 36+20.98 – 38+01.75 LT.											177.0						24.4
STA. 38+01.75 RT. – 38+01.75 LT.													31.0				10.6
STA. 38+01.75 – 38+79.86 LT.											78.0						14.2
STA. 38+79.88 – 39+30.54 LT.																47.5	12.3
STA. 39+30.54 – 41+92.28 LT.										259.0							68.1
STA. 41+92.28 – 42+39.09 LT.																44.0	12.9
STA. 40+90.83 – 40+90.77 RT.	11.0																
STA. 40+90.77 – 41+08.63 RT.	20.0																
STA. 41+08.63 – 42+39.11 RT.	129.5																40.1
STA. 42+39.09 – 43+83.12 LT.									142.5								42.9
STA. 43+83.12 – 45+34.93 LT								153.0									46.7
STA. 45+34.93 RT. – 45+34.93 LT.													32.5				10.1
STA. 45+34.93 – 45+87.27 LT.														50.5			15.7
STA. 45+87.27 – 46+45.94 LT.		56.0															37.1
STA. 46+45.94 – 47+28.88 LT.		80.0															22.6
STA. 47+28.88 RT. – 47+28.88 LT.													29.0				8.3
STA. 47+28.88 – 48+67.61 LT.						133.5											37.7
STA. 48+67.61 – 49+21.71 LT.													52.5				16.3
STA. 52+06.02 – 52+55.34 LT.													47.5				15.2
STA. 52+55.34 – 55+26.96 LT.							268.5										50.8
STA. 55+26.96 – 55+83.68 LT.														54.0			12.5
STA. 55+83.68 RT. – 55+83.68 LT.														34.0			7.9
STA. 55+83.68 – 57+83.00 LT.								196.0									46.2
STA. 57+59.31 – 57+58.94 RT.						14.0											
STA. 57+58.94 RT. – 57+83.00 LT.													37.0				10.5
STA. 57+82.55 – 57+83.00 LT.										10.0							
STA. 57+83.00 – 58+85.16 LT.					100.0												30.7
STA. 58+85.16 RT. – 58+85.16 LT.													29.0				8.5
STA. 58+85.16 – 60+10.44 LT.										124.0							20.5
STA. 60+10.44 – 60+96.62 LT.										84.0							13.9
STA. 60+93.04 – 60+96.62 RT.							10.0										
STA. 60+96.62 RT. – 60+96.62 LT.														32.0			11.2
STA. 60+96.62 – 61+61.99 LT.										62.0							26.3
STA. 61+61.99 RT. – 61+61.99 LT.													30.5				19.3
STA. 61+61.99 – 61+56.26 LT.												20.0					
STA. 61+61.99 – 63+71.00 LT.																168.0	58.8
STA. 63+73.36 RT. – 63+71.00 LT.														37.0			11.4
STA. 63+71.00 – 64+23.15 LT.														87.0			26.7
STA. 64+23.15 – 64+36.55 LT.						13.0											
STA. 63+73.36 – 64+17.68 RT.														45.0			11.5
STA. 64+17.68 – 66+49.93 RT.							230.0										
STA. 70+31.56 – 71+91.14 LT.						152.0											14.8
STA. 71+91.14 RT. – 71+91.14 LT.													36.5				8.3
STA. 71+91.14 – 72+95.09 LT.							99.0										16.6
STA. 72+95.09 – 74+82.23 LT.							185.5										38.9
STA. 74+82.23 RT. – 74+82.23 LT.													29.0				6.8
STA. 74+82.23 – 77+94.23 LT.								312.0									32.7
STA. 77+94.23 RT. – 77+94.23 LT.													31.0				7.6
STA. 77+94.23 – 79+04.93 LT.				105.0													22.0
TOTAL	160.5	136.0	7.0	105.0	100.0	368.0	970.0	766.0	142.5	539.0	322.0	20.0	415.5	339.5	88.0	259.5	1044.6

SEEDING / EROSION CONTROL

LOCATION	SEEDING CLASS 1	MULCH METHOD 2	FERTILIZER NUTRIENTS			TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	TEMPORARY DITCH CHECKS
			NITROGEN	PHOSPHORUS	POTASSIUM				
	ACRE	ACRE	POUND	POUND	POUND	POUND	FOOT	EACH	EACH
10+00 to 30+42	0.05	0.05	9	9	9	5			
30+42 to 79+10	2.04	2.04	367	367	367	204			
31+00 to 32+75 Rt.							175		
34+00 to 36+75 Rt.							275		
41+00 to 48+25 Rt.							725		
52+75 to 53+25 Lt.							50		
57+00 to 59+25 Lt.							225		
57+82.55, 27.73' Lt.								1	
59+75 to 62+75 Lt.							300		
64+36 to 68+49 Lt.									4
64+36.55, 24.21' Lt.								1	
69+25 to 77+75 Lt.							850		
71+91.14, 21.69' Lt.								1	
71+25 to 78+50 Rt.							725		
TOTAL	2.09	2.09	376	376	376	209	3325	3	4

EARTHWORK SCHEDULE

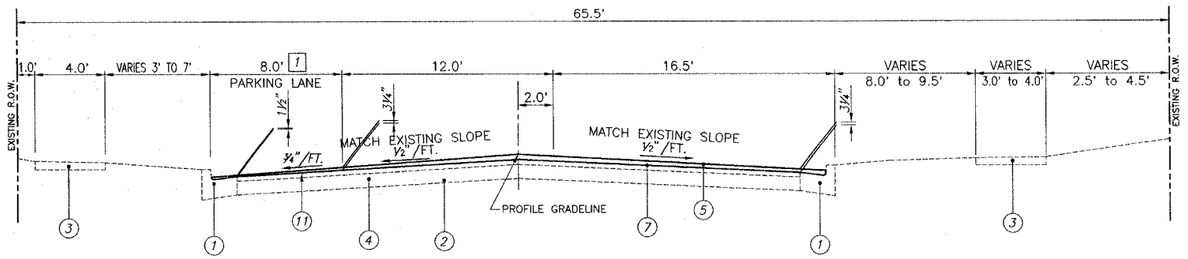
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (–)
	CU YD	CU YD	CU YD	CU YD
14+50 to 21+50	709	532	0	+ 532
30+65 to 79+10	3403	2552	3625	–1073
TOTAL	4112	3084	3625	– 541

NOTE: REMOVAL OF EXISTING ROADWAY PAVEMENT HAS BEEN INCLUDED IN THE EARTHWORK QUANTITIES AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU. YD. FOR EARTH EXCAVATION.

PAVING SCHEDULE

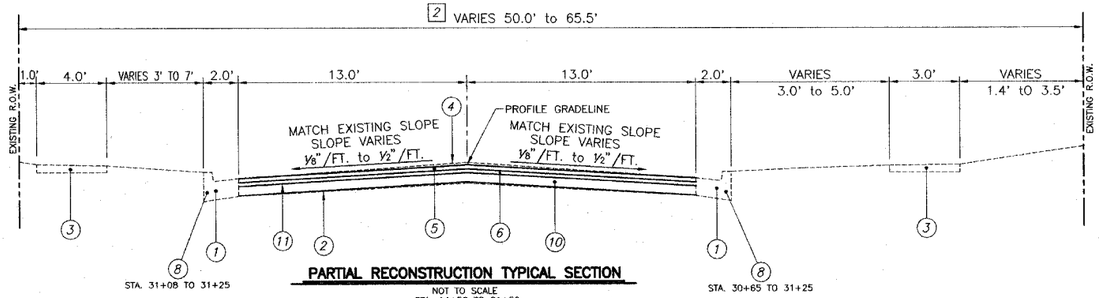
LOCATION	AGGREGATE BASE COURSE, TYPE A 8"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MACHINE METHOD), N50	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	COMB. CONC. C&G B-6.18	PCC SIDEWALK 4"	PROTECTIVE COAT
	SQ YD	GALLONS	TON	TON	TON	TON	FT	SQ FT	SQ YD
10+00 to 14+50		145	2.9	88		243	52	176	31.6
14+50 to 21+50	2320	870	5.8		133	260	79	316	53.4
21+50 to 30+65		234	4.7	183		219	37	50	14.1
30+65 to 31+25	235	88	0.6		14	27	82	144	35.0
31+25 to 38+80	687	370	4.0	138	124	245	1512	3722	763.6
38+80 to 50+50	3773	1415	9.4		215	423	2277	961	633.9
50+50 to 54+25	298	180	2.1	45	71	136	750		173.6
54+25 to 58+00	1208	453	3.0		69	135	735		170.1
58+00 to 62+25	341	203	2.4	134	77	150	851		197.0
62+25 to 78+91	4792	1797	12.0		274	537	3205		741.9
TOTAL	13654	5755	46.9	588	977	2375	9580	5369	2814

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	6
STA. 10+00.00		TO STA. 79+10.00		
FEDERAL AID PROJECT		CONTRACT 97302		



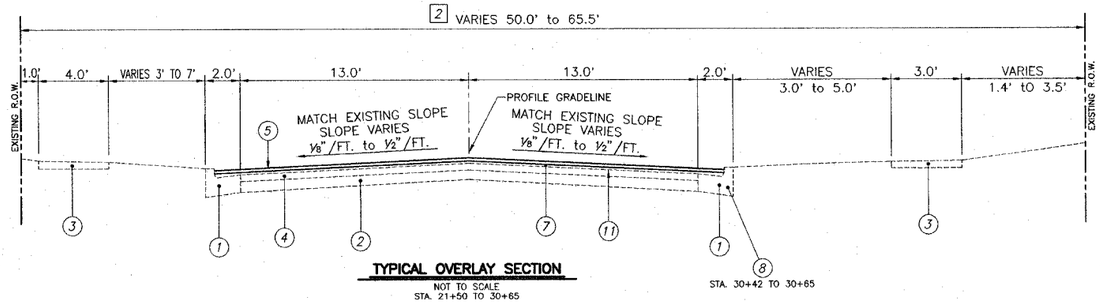
TYPICAL OVERLAY SECTION

NOT TO SCALE
STA. 10+00 TO 14+50



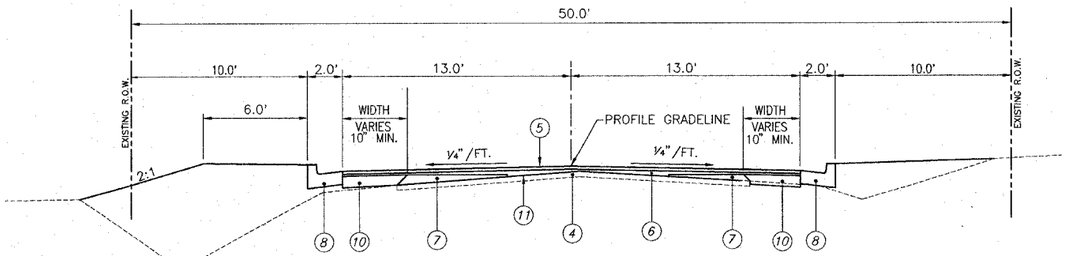
PARTIAL RECONSTRUCTION TYPICAL SECTION

NOT TO SCALE
STA. 14+50 TO 21+50
STA. 30+65 TO 31+25



TYPICAL OVERLAY SECTION

NOT TO SCALE
STA. 21+50 TO 30+65



PARTIAL RECONSTRUCTION TYPICAL SECTION

NOT TO SCALE
STA. 31+25 TO 38+80
STA. 50+50 TO 54+25
STA. 58+00 TO 62+25

LEGEND

(1) EXISTING CONCRETE CURB AND GUTTER, TYPE B-6.18

(2) EXISTING SUB-BASE
COMPACTED SOIL: STA. 10+00 TO STA. 17+67
SOIL/CEMENT MIXTURE (8"-12"): STA. 17+67 TO STA. 30+97
COMPACTED SOIL: STA. 30+97 TO STA. 55+51
AGGREGATE BASE (3"): STA. 55+51 TO 79+10

(3) EXISTING SIDEWALK

(4) EXISTING BITUMINOUS SURFACE TREATMENT
THICKNESS VARIES (2" TO 4½") - STA. 10+00 TO STA. 30+97
THICKNESS VARIES (4" TO 7") - STA. 30+97 TO STA. 79+10

(5) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, THICKNESS VARIES
2¼" - STA. 10+00 TO STA. 14+50
2" - STA. 14+50 TO STA. 21+50
1¼" - STA. 21+50 TO STA. 30+65
2" - STA. 30+65 TO STA. 79+10

(6) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, THICKNESS VARIES
1" FLAG-FLAG OF EXISTING CURBS - STA. 14+50 TO STA. 21+50
1" FLAG-FLAG OF PROPOSED CURBS - STA. 30+65 TO STA. 79+10

(7) LEVELING BINDER (MACHINE METHOD), N50, THICKNESS VARIES
1" THICK, 12' LT. & 12' RT. OF CROWN - STA. 10+00 TO STA. 14+50
1" FACE-FACE OF EXISTING CURBS - STA. 21+50 TO STA. 30+65
2¼" MID LANE TO 7" AT EDGE OF EXISTING PAVEMENT - STA. 31+25 TO STA. 38+80
STA. 50+50 TO STA. 54+25
STA. 58+00 TO STA. 62+25

(8) PROPOSED CONCRETE CURB & GUTTER, TYPE B-6.18

(9) RESERVED

(10) AGGREGATE BASE COURSE, TYPE A, 8" MIN. (SEE AREA SHOWN ON PLAN & PROFILE SHEETS)

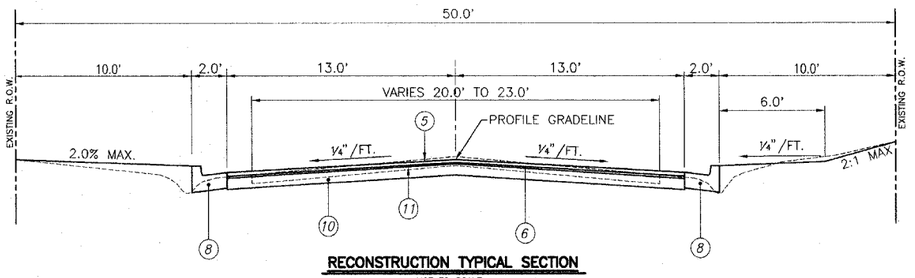
(11) BITUMINOUS MATERIALS (PRIME COAT)

[1] 8' WIDE - STA. 10+09 TO STA. 12+77
8' TO 0' WIDE - STA. 12+77 TO STA. 14+59

[2] R.O.W. = 65.5' - STA. 10+00 TO STA. 14+69
R.O.W. = 50.0' - STA. 14+69 TO STA. 30+42

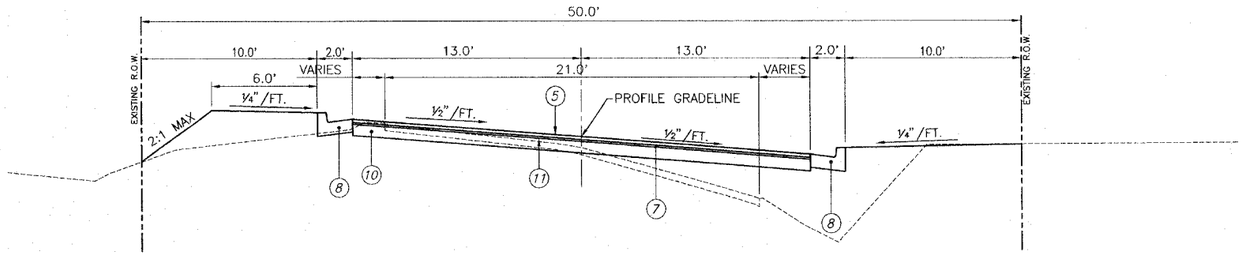
STRUCTURAL DESIGN TRAFFIC: YEAR 2017
PV= 2399 SU= 15 MU= 1
ROAD/STREET CLASSIFICATION: CLASS URBAN COLLECTOR
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P= 50 S= 50 M= 50
TRAFFIC FACTOR: Actual TF= 0.016 AC Type= 20
Minimum TF= NA
PG GRADE: Binder= 64-22 Surface= 64-22
SUBGRADE SUPPORT RATING:
IBR= 4.8 (Sta. 10+00 to 17+67)
IBR= 4.9 (Sta. 17+67 to 30+97)
IBR= 3.2 (Sta. 30+97 to 39+08)
IBR= 3.9 (Sta. 39+08 to 55+51)
IBR= 4.1 (Sta. 55+51 to 79+10)

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	7
STA. 10+00.00		TO STA. 79+10.00		
FEDERAL AID PROJECT		CONTRACT 97302		



RECONSTRUCTION TYPICAL SECTION

NOT TO SCALE
STA. 38+80 TO 50+50
STA. 54+25 TO 58+00
STA. 62+25 TO 78+12.12



RECONSTRUCTION TYPICAL SECTION

NOT TO SCALE
STA. 78+12.12 TO 78+65.99

NOTES:

SUPERELEVATION TRANSITION FROM NORMAL CROWN (¼"/FT.) TO FULL SUPERELEVATION (½"/FT.): STA. 78+12.12 TO STA. 79+20.12

LEGEND

1. *EXISTING CONCRETE CURB AND GUTTER, TYPE B-6.18*
2. *EXISTING SUB-BASE*
   COMPACTED SOIL: STA. 10+00 TO STA. 17+67
   SOIL/CEMENT MIXTURE (8"-12"): STA. 17+67 TO STA. 30+97
   COMPACTED SOIL: STA. 30+97 TO STA. 55+51
   AGGREGATE BASE (3"): STA. 55+51 TO 79+10
3. *EXISTING SIDEWALK*
4. *EXISTING BITUMINOUS SURFACE TREATMENT*
   THICKNESS VARIES (2" TO 4½") - STA. 10+00 TO STA. 30+97
   THICKNESS VARIES (4" TO 7") - STA. 30+97 TO STA. 79+10
5. *HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, THICKNESS VARIES*
   2¼" - STA. 10+00 TO STA. 14+50
   2" - STA. 14+50 TO STA. 21+50
   1¼" - STA. 21+50 TO STA. 30+65
   2" - STA. 30+65 TO STA. 79+10
6. *HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, THICKNESS VARIES*
   1" FLAG-FLAG OF EXISTING CURBS - STA. 14+50 TO STA. 21+50
   1" FLAG-FLAG OF PROPOSED CURBS - STA. 30+65 TO STA. 79+10
7. *LEVELING BINDER (MACHINE METHOD), N50, THICKNESS VARIES*
   1" THICK, 12' LT. & 12' RT. OF CROWN - STA. 10+00 TO STA. 14+50
   1" FACE-FACE OF EXISTING CURBS - STA. 21+50 TO STA. 30+65
   2¼" MID LANE TO 7" AT EDGE OF EXISTING PAVEMENT - STA. 31+25 TO STA. 38+80
   STA. 50+50 TO STA. 54+25
   STA. 58+00 TO STA. 62+25
8. *PROPOSED CONCRETE CURB & GUTTER, TYPE B-6.18*
9. *RESERVED*
10. *AGGREGATE BASE COURSE, TYPE A, 8" MIN.* *(SEE AREA SHOWN ON PLAN & PROFILE SHEETS)*
11. *BITUMINOUS MATERIALS (PRIME COAT)*

The following mixture requirements are applicable for this project:

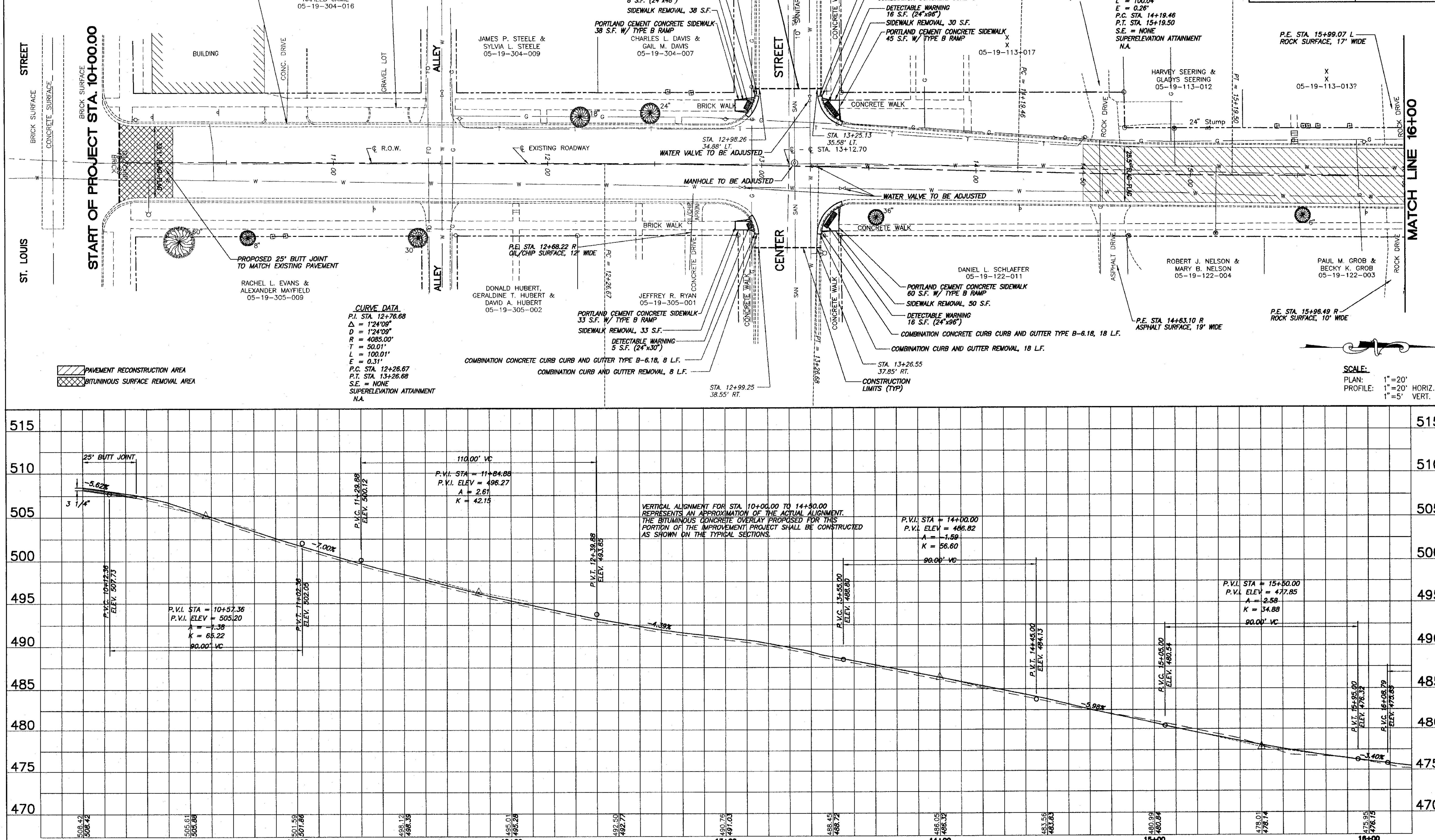
Location(s):	Sta. 10+00 to Sta. 79+10
Mixture Use(s):	Hot-Mix Asphalt Surface Course, Mix "C", N50
PG:	64-22
RAP %: (Max)	0%
Design Air Voids:	4.0% @ Ndes = 50
Mixture Composition: (Gradation Mixture)	IL-19.0
Friction Aggregate:	Mixture "C"
Mixture Weight:	112 Lb/S.Y./In.

Location(s):	Sta. 10+00 to Sta. 79+10
Mixture Use(s):	Hot-Mix Asphalt Binder Course, IL-19.0, N50
PG:	64-22
RAP %: (Max)	10%
Design Air Voids:	4.0% @ Ndes = 50
Mixture Composition: (Gradation Mixture)	IL-19.0
Friction Aggregate:	Mixture "D"
Mixture Weight:	112 Lb/S.Y./In.

Location(s):	Sta. 10+00 to Sta. 79+10
Mixture Use(s):	Leveling Binder (Machine Method), N50
PG:	64-22
RAP %: (Max)	10%
Design Air Voids:	4.0% @ Ndes = 50
Mixture Composition: (Gradation Mixture)	IL-19.0
Friction Aggregate:	Mixture "D"
Mixture Weight:	112 Lb/S.Y./In.

Location(s):	See Entrance Schedule on Sheet 4
Mixture Use(s):	Incidental Bituminous Surfacing
PG:	PG 64-22
RAP %: (Max)	10%
Design Air Voids:	4.0% @ Ndes = 70
Mixture Composition: (Gradation Mixture)	
Friction Aggregate:	Mixture "D"
Mixture Weight:	112 Lb/S.Y./In.

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	8
STA. 10+00.00	TO STA. 16+00.00			
FEDERAL AID PROJECT	CONTRACT 97302			



F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	9
STA. 16+00.00		TO STA. 22+00.00		
FEDERAL AID PROJECT		CONTRACT 97302		

MATCH LINE 16+00

1ST BAPTIST CHURCH OF O'FALLON 05-19-113-004

MANHOLE TO BE ADJUSTED

STA. 17+51.67 46.00' LT.

CONSTRUCTION LIMITS (TYP)

STA. 17+78.30 46.00' LT.

10" SANITARY SEWER

STREET

X 05-19-111-030

X 05-19-111-029

X 05-19-111-028

MAGDALENA T. HOWARD 05-19-111-027

STA. 20+89.90

STA. 21+14.90

MCKENDREE COLLEGE 05-19-111-026

18" PVC (2)

COMBINATION CONCRETE CURB CURB AND GUTTER TYPE B-6.18, 45 L.F.

COMBINATION CURB AND GUTTER REMOVAL, 45 L.F.

STA. 21+00 15.5' LT. B/C ELEV. 466.73

MATCH LINE 22+00

℄ - ℄ STA. 17+85.09

27.0' FL TO FL

℄ R.O.W.

℄ EXISTING ROADWAY

℄ - ℄ STA. 20+73.35

SEGMENTAL CONCRETE BLOCK WALL, 295 S.F.

MANHOLE TO BE ADJUSTED

CONC. DRIVE

CONC. DRIVE

P.E. STA. 16+85.33 R CONCRETE SURFACE, 20' WIDE

KEITH G. ROHLING TRUST 05-19-122-019

P.E. STA. 16+49.82 R CONCRETE SURFACE, 20' WIDE

PORTLAND CEMENT CONCRETE SIDEWALK 24 S.F. W/ TYPE B RAMP

SIDEWALK REMOVAL, 24 S.F.

DETECTABLE WARNING 4 S.F. (24"x24")

COMBINATION CONCRETE CURB CURB AND GUTTER TYPE B-6.18, 8 L.F.

COMBINATION CURB AND GUTTER REMOVAL, 8 L.F.

RANDLE

STA. 17+49.48 31.25' RT.

STA. 17+80.85 31.03' RT.

CONSTRUCTION LIMITS (TYP)

WATER VALVE TO BE ADJUSTED

PORTLAND CEMENT CONCRETE SIDEWALK 24 S.F. W/ TYPE B RAMP

SIDEWALK REMOVAL, 24 S.F.

DETECTABLE WARNING 4 S.F. (24"x24")

COMBINATION CONCRETE CURB CURB AND GUTTER TYPE B-6.18, 8 L.F.

COMBINATION CURB AND GUTTER REMOVAL, 8 L.F.

DAVID G. TRIMBLE 05-19-115-054

STA. 20+86.84 31.74' RT.

CONSTRUCTION LIMITS (TYP)

DOMESTIC WATER METER TO BE RELOCATED

TEMPORARY EASEMENT (TYP.)

SIDEWALK REMOVAL, 172 S.F.

PORTLAND CEMENT CONCRETE SIDEWALK 244 S.F. W/ TYPE B RAMP

DETECTABLE WARNING 5 S.F. (24"x30")

COMBINATION CONCRETE CURB CURB AND GUTTER TYPE B-6.18, 10 L.F.

COMBINATION CURB AND GUTTER REMOVAL, 10 L.F.

WILLIE E. TOLES 05-19-118-001

P.E. STA. 19+35.81 R ASPHALT SURFACE, 18' WIDE

ASPHALT DRIVE

WESLEY STREET

10" SANITARY SEWER

STA. 20+59.86 31.52' RT.

EXTEND RETAINING WALL DRAIN PIPE INTO EXISTING INLET. COST INCIDENTAL TO MODULAR RETAINING WALL SYSTEM.

PAVEMENT RECONSTRUCTION AREA

BITUMINOUS SURFACE REMOVAL AREA

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

P.V.I. STA = 16+63.79
P.V.I. ELEV = 473.98
A = 2.90
K = 37.94
110.00' VC

P.V.T. 15+95.00 ELEV. 476.32

P.V.C. 16+08.79 ELEV. 475.89

-3.40%

P.V.T. 17+18.79 ELEV. 473.70

-0.50%

P.V.I. STA = 19+66.85
P.V.I. ELEV = 472.46
A = -3.69
K = 24.37
90.00' VC

P.V.C. 19+21.85 ELEV. 472.69

P.V.T. 20+11.85 ELEV. 470.57

-4.19%

P.V.C. 20+83.75 ELEV. 468.40

P.V.I. STA = 21+33.75
P.V.I. ELEV = 465.46
A = 3.67
K = 38.15
140.00' VC

P.V.T. 22+03.75 ELEV. 465.10

-0.52%

VERTICAL ALIGNMENT FOR STA. 21+50.00 TO 38+80.00 REPRESENTS AN APPROXIMATION OF THE ACTUAL ALIGNMENT. THE BITUMINOUS CONCRETE OVERLAY PROPOSED FOR THIS PORTION OF THE IMPROVEMENT PROJECT SHALL BE CONSTRUCTED AS SHOWN ON THE TYPICAL SECTIONS.

475.95 476.15		474.61 474.67		473.90 473.84		473.36 473.55		472.99 473.30		473.50 473.05		472.68 472.80		472.45 472.38		471.07 471.04		468.97 468.97		466.95 467.05		465.69 465.78		464.82 465.01
16+00				17+00				18+00				19+00				20+00				21+00				22+00

E:\40404 - Lebanon - Illinois 56 STP Project\dwg\SHEET 00_02.dwg, 3/16/2007 8:43:21 AM, Plotted by: H.A.L.

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	10
STA. 22+00.00		TO STA. 28+00.00		
FEDERAL AID PROJECT		CONTRACT 97302		

P.E. STA. 22+18.95 L
CONCRETE SURFACE, 11' WIDE

MATCH LINE 22+00

CONCRETE DRIVE

McKENDREE COLLEGE SPORTS FIELDS

MCKENDREE COLLEGE
05-19-111-013

10" SANITARY SEWER

DYNERGY SUB-STATION

P.E. STA. 25+60.54 L
ROCK SURFACE, 24' WIDE

ROCK DRIVE

05-19-111-012

05-19-111-011

HELEN GREEN
05-19-111-010

HELEN GREEN
05-19-111-009

MATCH LINE 28+00

℄ EXISTING ROADWAY

℄ R.O.W.

℄ – ℄ STA. 25+90.15

10" SANITARY SEWER

MANHOLE TO BE ADJUSTED

12" RCCP

CONCRETE WALK

CONCRETE BOX

27.4' FLAG-FLAG

27.1' FLAG-FLAG

UTILITY POLE & GUY WIRE
TO BE RELOCATED BY OTHERS

PORTLAND CEMENT CONCRETE SIDEWALK
25 S.F. W/ TYPE B RAMP

SIDEWALK REMOVAL, 25 S.F.

DETECTABLE WARNING
4 S.F. (24"x24")

COMBINATION CURB AND GUTTER REMOVAL, 5 L.F.

COMBINATION CONCRETE CURB CURB AND GUTTER TYPE B-6.18, 7 L.F.

STA. 25+97.70
28.07' RT.

CONSTRUCTION
LIMITS (TYP)

WOODS

MCKENDREE COLLEGE
05-19-115-006

STEVEN E. HERMANSON
05-19-115-044

MCKENDREE COLLEGE
05-19-115-004

MCKENDREE COLLEGE
05-19-115-003

MCKENDREE COLLEGE
05-19-115-002

MCKENDREE COLLEGE
05-19-115-001

TERRENCE T. CARROLL &
FLORINDA G. CARROLL
05-19-114-024

BILLY J. BOHNENSTIEHL
& VICKI BOHNENSTIEHL
05-19-114-071

ROCK DRIVE

P.E. STA. 23+39.44 R
ROCK SURFACE, 9' WIDE

10" SANITARY SEWER

HOBSON LANE

PORTLAND CEMENT CONCRETE SIDEWALK
25 S.F. W/ TYPE B RAMP

SIDEWALK REMOVAL, 25 S.F.

DETECTABLE WARNING
4 S.F. (24"x24")

COMBINATION CURB AND GUTTER REMOVAL, 3 L.F.

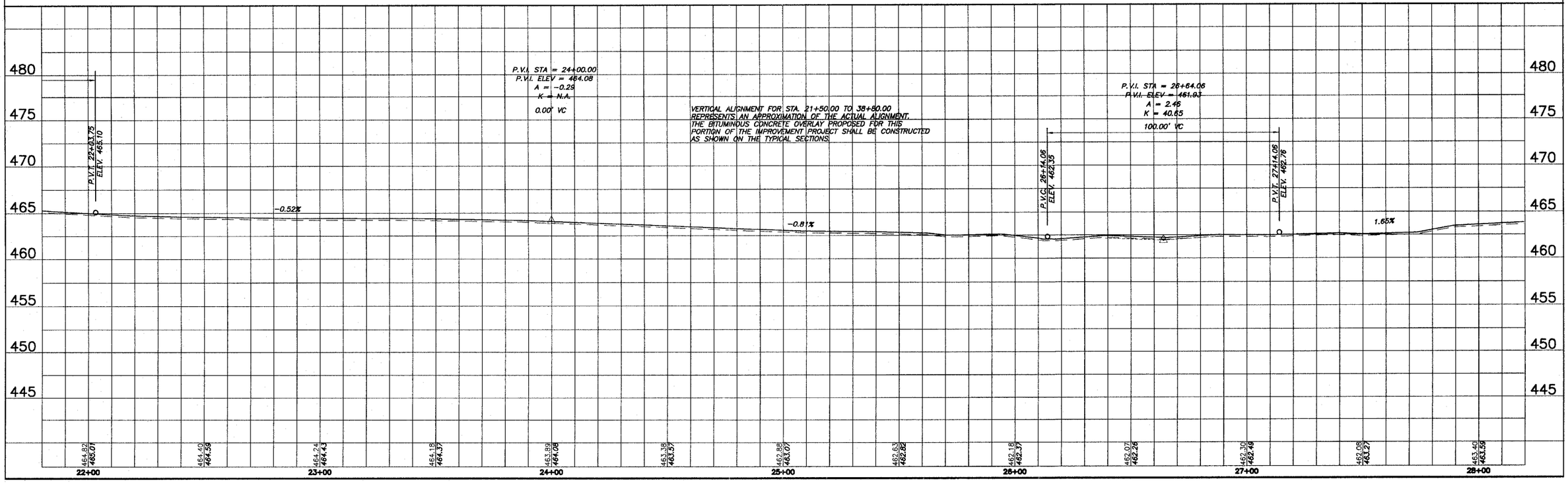
COMBINATION CONCRETE CURB CURB AND GUTTER TYPE B-6.18, 7 L.F.

STA. 25+83.94
28.01' RT.

PAVEMENT RECONSTRUCTION AREA

BITUMINOUS SURFACE REMOVAL AREA

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



E:\40494 - Lebanon - Mannas St STP Project\dwg\SHEET 10_PP_02.dwg, 3/16/2007 8:49:27 AM, Plotted by H.A.L.

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	11
STA. 28+00.00		TO STA. 34+00.00		
FEDERAL AID PROJECT		CONTRACT 97302		

MATCH LINE 28+00

MATCH LINE 34+00

P.E. STA. 28+13.02 L
ROCK SURFACE, 15' WIDE

MCKENDREE COLLEGE
05-19-111-008

ROCK DRIVE

RICHARD C. RUTHERFORD &
ROSE M. RUTHERFORD
05-19-111-031

EXISTING STORM SEWER INLET
STA. 31+10.82
16.61' LT.
TOP INLET 469.03
INV. ELEV. 465.95

STA. 30+79.86
30.12' LT.

WATER VALVE TO BE ADJUSTED

℄ EXISTING ROADWAY

℄ R.O.W.

FLAG-FLAG

BILLY J. BOHNENSTIEHL
& VICKI BOHNENSTIEHL
05-19-114-071

P.E. STA. 28+86.29 R
ROCK SURFACE, 18' WIDE

CHARLES BENNETT &
BETTY BENNETT
05-19-114-021

COMBINATION CURB AND GUTTER REMOVAL, 25.3 L.F.

REMOVE EXISTING
INLET

CONSTRUCTION
LIMITS (TYP)

SUMMERFIELD STREET

STA. 31+10.85
29.95' LT.
T/C 469.55

18in SS CL A TY-1
7.0 FEET @ 0.71%
TRENCH BACKFILL 1.6 CU YD

INLETS TB T15 F&L
STA. 31+20.35
17.27' LT.
T/C ELEV. 469.24
INV. ELEV. 466.00

P.E. STA. 31+85.89 L
ASPHALT SURFACE, 19.6' WIDE

ELIZABETH A. SCHMITT
05-19-100-045

REMOVE EXISTING
CULVERTS, 107.5 L.F.

T/C 469.33

18" RCCP

12" RCCP

STA. 30+95.36

STA. 30+42.21
15.46' RT.

REMOVE EXISTING
CULVERTS, 65.0 L.F.

GAMMA SEVEN, INC.
05-19-114-019

WATER VALVE TO BE ADJUSTED

P.E. STA. 30+94.90 R
ASPHALT SURFACE, 20' WIDE

PORTLAND CEMENT CONCRETE SIDEWALK, 30 S.F.

PROVIDE DEPRESSED CURB SECTION IN PROPOSED
CURB AT INTERSECTION TO ACCOMMODATE RAMP
FOR FUTURE SIDEWALK AS DIRECTED BY ENGINEER.

PORTLAND CEMENT CONCRETE SIDEWALK, 544 S.F.

ASPHALT DRIVE

18in SS CL B TY-1
42.0 FEET @ 0.53%
TRENCH BACKFILL 5.3 CU YD

INLETS TB T15 F&L
STA. 31+84.07
15.35' LT.
T/C ELEV. 469.85
INV. ELEV. 466.23

18in SS CL B TY-1
63.0 ft. @ 0.53%
TRENCH BACKFILL 9.5 CU YD

CONCRETE

ASPHALT

260' FLAG-FLAG (TYP.)

LANDSCAPING TIMBERS TO BE
REMOVED. COST INCIDENTAL TO
CONTRACT.

WATER METER
TO BE ADJUSTED

WATER METER
TO BE ADJUSTED

REMOVE EXISTING
CULVERTS, 15.2 L.F.

UTILITY POLE & GUY WIRE
TO BE RELOCATED BY OTHERS

FIRE HYDRANT AND VALVE
TO BE MOVED

MANHOLE TO BE ADJUSTED

JAMES L. ALF &
JEAN A. ALF
05-19-114-054

12in SS TY-1 WATER MAIN QUALITY
30.0 FEET. @ 3.90%
TRENCH BACKFILL 9.0 CU YD

P.E. STA. 32+02.35 R
ROCK SURFACE, 10.0' WIDE

UTILITY POLE TO BE RELOCATED BY OTHERS

SIDEWALK REMOVAL, 361 S.F.

PROVIDE DEPRESSED CURB SECTION
FOR FUTURE 12' WIDE DRIVEWAY ON
THIS LOT. COORDINATE LOCATION WITH
PROPERTY OWNER.

INLETS TB T15 F&L
STA. 32+30.15
15.35' LT.
T/C ELEV. 470.26
INV. ELEV. 466.57

15in SS CL B TY-1
103.5 FEET @ 0.52%
TRENCH BACKFILL 15.9 CU YD

P.E. STA. 32+18.30 L
ROCK SURFACE, 11.0' WIDE

PROPOSED COMBINATION
CONCRETE CURB AND GUTTER
TYPE B-6.18 297 FEET

MICHAEL J. MIGHT &
PORSCHE K. MIGHT
05-19-100-044

INLETS TA T15 F&L
STA. 32+38.05
15.73' RT.
T/C ELEV. 470.29
INV. ELEV. 467.74

PROPOSED COMBINATION
CONCRETE CURB AND GUTTER
TYPE B-6.18 358 FEET

JAMES S. REED &
KRISTEN E. REED
05-19-114-092

PORTLAND CEMENT CONCRETE SIDEWALK, 555 S.F.

P.E. STA. 33+05.86 R
ROCK SURFACE, 14.0' WIDE

83°01'37"

INLETS TA T15 F&L
STA. 33+36.54
15.82' LT.
T/C ELEV. 470.61
INV. ELEV. 467.12

15in SS CL B TY-1
73.5 FEET @ 0.52%
TRENCH BACKFILL 10.4 CU YD

TEMPORARY EASEMENT (TYP.)

P.E. STA. 33+97.17 L
ROCK/CONCRETE SURFACE, 18.0' WIDE

WILLIAM L. FORD
& JULIE E. FORD
05-19-100-040

REMOVE EXISTING
CULVERTS, 23.9 L.F.

CONC. DRIVE

REMOVE EXISTING
CULVERTS, 18.2 L.F.

PORTLAND CEMENT CONCRETE SIDEWALK, 454 S.F.

RENTAL & REHAB LLC
05-19-114-091

UTILITY POLE TO BE RELOCATED BY OTHERS

PAVEMENT RECONSTRUCTION AREA

BITUMINOUS SURFACE REMOVAL AREA

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

VERTICAL ALIGNMENT FOR STA. 21+50.00 TO 38+80.00
REPRESENTS AN APPROXIMATION OF THE ACTUAL ALIGNMENT.
THE BITUMINOUS CONCRETE OVERLAY PROPOSED FOR THIS
PORTION OF THE IMPROVEMENT PROJECT SHALL BE CONSTRUCTED
AS SHOWN ON THE TYPICAL SECTIONS

P.V.I. STA = 31+42.20
P.V.I. ELEV. = 469.84
A.D. = -1.33
K = 150.11
200.00' VC

P.V.I. STA = 33+93.77
P.V.I. ELEV = 470.65
A = 0.02
K = N.A.
0.00' VC

P.V.C. 30+42.20
ELEV. 468.19

P.V.T. 32+42.20
ELEV. 470.16

PROPOSED PROFILE GRADE

EXISTING PROFILE ALONG ℄

1.65%

0.32%

0.30%

18" S.S. (LT.)

18" S.S. (LT.)

18" STORM SEWER LT.

15" STORM SEWER (LT.)

15" STORM SEWER (LT.)

+10.82 EXISTING INLET
INV. 465.95

+20.35 INLET
INV. 466.00

+84.07 INLET
INV. 466.23

+30.15 INLET
INV. 466.57

+36.54 INLET
INV. 467.12

+119.29 INLET
INV. 467.51

TRANSITION FROM 2 1/4" TOTAL OVERLAY THICKNESS AT
STA. 30+00.00 TO 3" THICKNESS AT 30+50.00.

485 480 475 470 465 460 455 450

463.40 463.59 | 464.05 464.24 | 464.80 464.99 | 465.49 465.68 | 466.43 466.62 | 467.22 467.47 | 469.10 469.10 | 469.13 469.36 | 469.54 469.79 | 469.78 470.03 | 470.12 470.37 | 470.15 470.40 | 470.13 470.38

28+00 29+00 30+00 31+00 32+00 33+00 34+00

E:\46404 - Lebanon - Monroe St STP Properties\SHEET 11_PP_DA.dwg, 2/15/2007 8:46:33 AM, Plotted by M.A.L.

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	12
STA. 34+00.00		TO STA. 40+00.00		
FEDERAL AID PROJECT		CONTRACT 97302		

MATCH LINE 34+00

MATCH LINE 40+00

ROCK DRIVE

ASPHALT DRIVE

CONC. DRIVE

CONCRETE DRIVE

ROBYN LANE

ALFRED E. CARLISLE, JR. & MARILOU V. CARLISLE 05-19-100-039

STANTON M. BROOKS & JEANNE F. BROOKS 05-19-100-038

CLARA M. GRUNDEN & PHILIP L. GRUNDEN 05-19-100-037

ELKHORN PROPERTIES, INC. 05-19-100-036

GARY B. WILLIAMS & CAROL S. WILLIAMS 05-19-100-035

PAULA J. PARSONS 05-19-100-027

CHARLES E. BENNETT & BETTY J. BENNETT 05-19-100-023

RENTAL & REHAB LLC 05-19-114-062

LEGACY CONSTRUCTION, INC. 05-19-114-061

LEGACY CONSTRUCTION, INC. 05-19-114-008

LEGACY CONSTRUCTION, INC. 05-19-114-007

LEGACY CONSTRUCTION, INC. 05-19-114-006

LEGACY CONSTRUCTION, INC. 05-19-114-005

E. LUCILLE STEVENSON TRUST 05-19-114-004

E. LUCILLE STEVENSON TRUST 05-19-114-003

E. LUCILLE STEVENSON TRUST 05-19-114-002

12in SS CL B TY-1 55.5 FEET @ 0.52% TRENCH BACKFILL 7.2 CU YD

P.E. STA. 34+59.20 L ASPHALT SURFACE, 11.3' WIDE

INLETS TA T15 F&L STA. 34+74.58 16.00' LT. T/C ELEV. 471.03 INV. ELEV. 467.85

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 496 FEET

P.E. STA. 35+35.43 L CONCRETE SURFACE, 10.8' WIDE

UTILITY POLE TO BE RELOCATED BY OTHERS

INLET BOX SPL N2 STA. 35+49.95 17.50' LT. T/C ELEV. 471.26 INV. ELEV. 467.84

TEMPORARY EASEMENT (TYP.)

P.E. STA. 36+04.03 L ROCK/CONC. SURFACE, 20.2' WIDE

INLET BOX SPL N1 STA. 36+20.98 17.50' LT. T/C ELEV. 471.47 INV. ELEV. 468.21

P.E. STA. 36+71.94 L ROCK/CONC. SURFACE, 24.6' WIDE

27in SS CL B TY-1 177.0 FEET @ 0.53% TRENCH BACKFILL 24.4 CU YD

P.E. STA. 37+47.69 L ROCK/CONC. SURFACE, 20.6' WIDE

INLETS BOX SPL N1 STA 38+01.75 17.50' LT. T/C ELEV. 473.20 INV. ELEV. 469.17

27in SS CL B TY-1 78.0 FEET @ 1.12% TRENCH BACKFILL 14.2 CU YD

COMBINATION CURB AND GUTTER REMOVAL, 15.9 L.F.

CONSTRUCTION LIMITS (TYP)

STA: 38+87.48 29.59' LT. (MATCH EXISTING T/C)

INLET BOX SPL N1 STA. 38+79.86 19.90' LT. T/C ELEV. 474.74 INV. ELEV. 470.07

24in SS TY-1 WATER MAIN QUALITY 47.5 FEET @ 2.11% TRENCH BACKFILL 12.3 CU YD

REMOVE EXISTING CULVERTS, 50.6 L.F.

STA: 39+23.16 29.59' LT. (MATCH EXISTING T/C)

INLET BOX SPL N1 STA. 39+30.54 20.09' LT. T/C ELEV. 475.74 INV. ELEV. 471.07

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 85 FEET

REMOVE EXISTING CULVERTS, 18.1 L.F.

REMOVE EXISTING CULVERTS, 28.4 L.F.

REMOVE EXISTING CULVERTS, 18.3 L.F.

REMOVE EXISTING CULVERTS, 17.2 L.F.

T/C 474.56

T/C 475.86

MANHOLE TO BE ADJUSTED

PORTLAND CEMENT CONCRETE SIDEWALK, 158 S.F.

WATER METER TO BE ADJUSTED

REMOVE EXISTING CULVERTS, 72.1 L.F.

℄ EXISTING ROADWAY

℄ R.O.W.

℄ STA. 39+05.34

WATER METER TO BE ADJUSTED

COMBINATION CURB AND GUTTER REMOVAL, 16.8 L.F.

MANHOLE TO BE ADJUSTED

FIRE HYDRANT AND VALVE TO BE MOVED

WATER VALVE TO BE ADJUSTED

12in TY-1 WATERMAIN QUALITY 64.0 FEET @ 1.00% TRENCH BACKFILL 22.9 CU YD

21in SS TY-1 WATER MAIN QUALITY 24.0 FEET @ 2.83%

27in SS CL B TY-1 67.0 FEET @ 0.53% TRENCH BACKFILL 13.1 CU YD

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 600 FEET

UTILITY POLE AND GUY WIRE TO BE RELOCATED BY OTHERS

12in SS TY-1 WATER MAIN QUALITY 31.0 FEET @ 4.52% TRENCH BACKFILL 10.6 CU YD

24in SS CL B TY-1 259 FEET @ 2.43% TRENCH BACKFILL 68.1 CU YD

PORTLAND CEMENT CONCRETE SIDEWALK, 79 S.F.

PORTLAND CEMENT CONCRETE SIDEWALK, 169 S.F.

PORTLAND CEMENT CONCRETE SIDEWALK, 1263 S.F.

PORTLAND CEMENT CONCRETE SIDEWALK, 601 S.F.

PORTLAND CEMENT CONCRETE SIDEWALK, 259 S.F.

PORTLAND CEMENT CONCRETE SIDEWALK, 396 S.F.

P.E. STA. 34+49.84 R ROCK SURFACE, 21.0' WIDE

P.E. STA. 34+87.58 R CONCRETE SURFACE, 19.1' WIDE

P.E. STA. 36+05.87 R CONCRETE SURFACE, 20.0' WIDE

P.E. STA. 36+65.67 R CONCRETE SURFACE, 10.0' WIDE

P.E. STA. 37+05.67 R CONCRETE SURFACE, 10.0' WIDE

P.E. STA. 39+28.41 R ROCK SURFACE, 10.0' WIDE

P.E. STA. 34+02.14 R ROCK SURFACE, 17.0' WIDE

INLETS TA T15 F&L STA. 34+11.29 15.82' LT. T/C ELEV. 470.84 INV. ELEV. 467.51

INLETS TA T15 F&L STA. 38+01.75 15.82' RT. T/C ELEV. 473.20 INV. ELEV. 470.66

PERMANENT EASEMENT

STONE RIPRAP CLASS 3, 13.5 S.Y.

END SECTIONS 21", 2 EACH STA. 35+49.92, 30.02' RT.

UTILITY POLE TO BE RELOCATED BY OTHERS

UTILITY POLE TO BE RELOCATED BY OTHERS

PROVIDE DEPRESSED CURB SECTION FOR FUTURE 12' WIDE DRIVEWAY ON THIS LOT. COORDINATE LOCATION WITH PROPERTY OWNER.

PROVIDE DEPRESSED CURB SECTION FOR FUTURE 12' WIDE DRIVEWAY ON THIS LOT. COORDINATE LOCATION WITH PROPERTY OWNER.

PROVIDE DEPRESSED CURB SECTION FOR FUTURE 12' WIDE DRIVEWAY ON THIS LOT. COORDINATE LOCATION WITH PROPERTY OWNER.

PROVIDE DEPRESSED CURB SECTION IN PROPOSED CURB AT INTERSECTION TO ACCOMMODATE RAMP FOR FUTURE SIDEWALK AS DIRECTED BY ENGINEER.

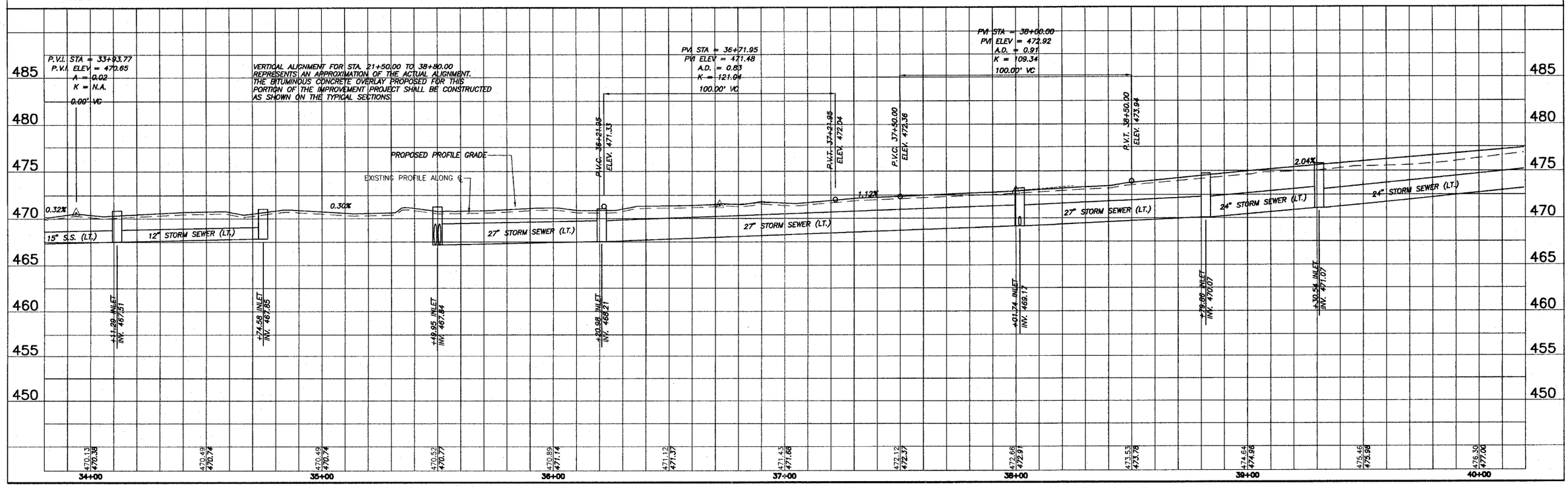
PAVEMENT RECONSTRUCTION AREA

BITUMINOUS SURFACE REMOVAL AREA

SCALE:

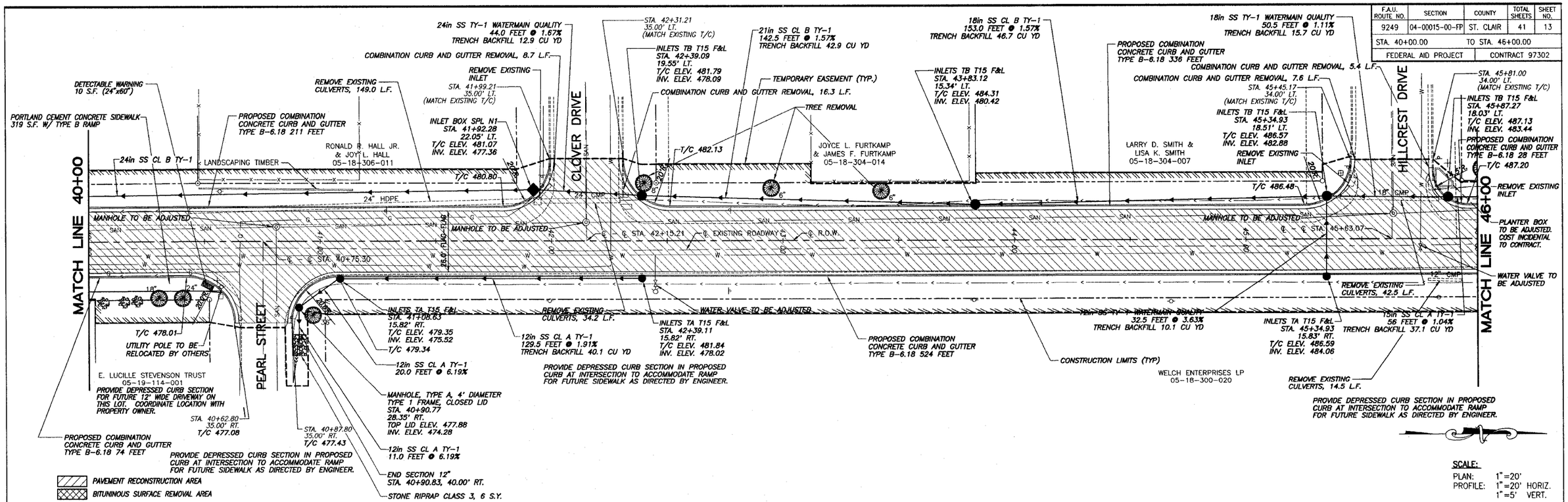
PLAN: 1"=20'

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

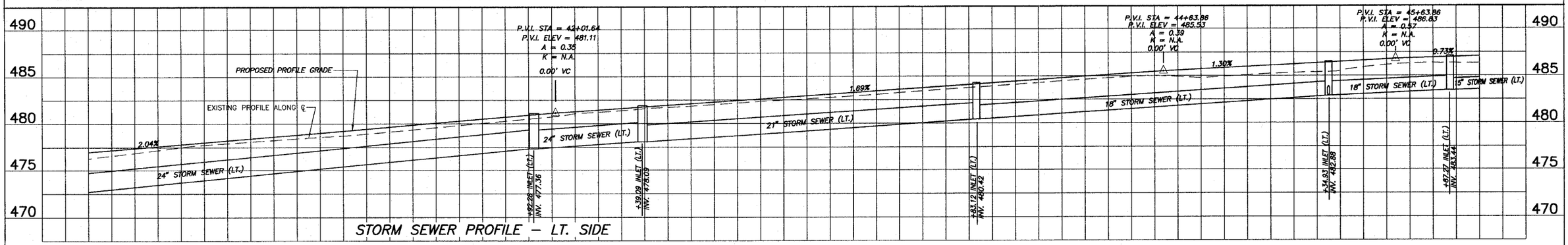


E:\AV404 - Lebanon - Monroe St STP Project\dwg\SHEET 12_PP_SS.dwg, 3/10/2017 8:18:38 AM, Nathan Ivy M.A.L.

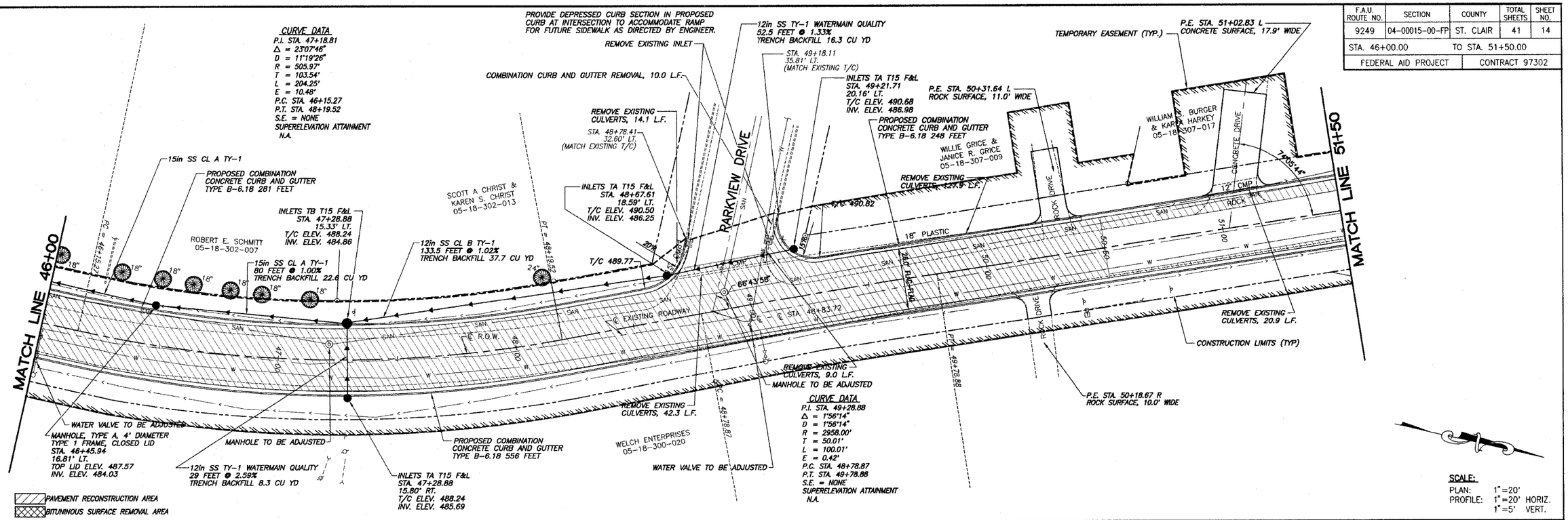
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	13
STA. 40+00.00	TO STA. 46+00.00			
FEDERAL AID PROJECT	CONTRACT 97302			

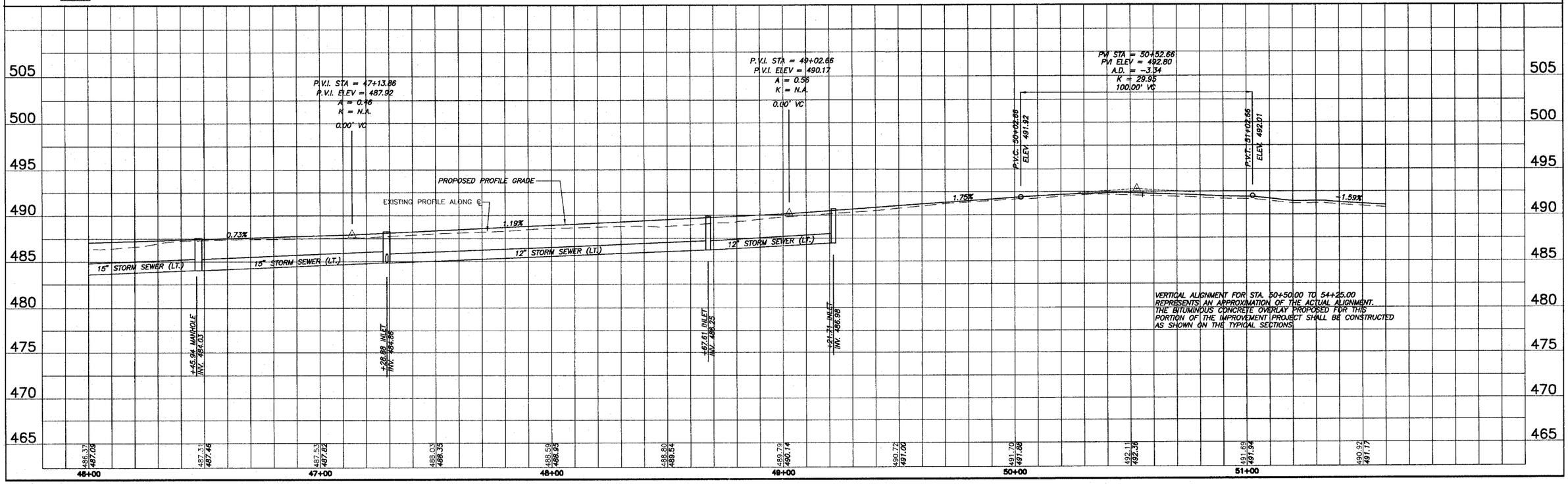


SCALE:
PLAN: 1"=20'
PROFILE: 1"=20' HORIZ.
1"=5' VERT.



F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	14
STA. 46+00.00		TO STA. 51+50.00		
FEDERAL AID PROJECT		CONTRACT 97302		





F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	15
STA. 51+50.00		TO STA. 57+50.00		
FEDERAL AID PROJECT		CONTRACT 97302		

MATCH LINE 51+50

MATCH LINE 57+50

STA. 52+15.91
40.00' LT.
(MATCH EXISTING T/C)

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 80 FEET

INLETS TA T15 F&L
STA. 52+06.02
21.53' LT.
T/C ELEV. 490.60
INV. ELEV. 486.55

COMBINATION CURB AND GUTTER REMOVAL, 22.6 L.F.

12in SS TY-1 WATERMAIN QUALITY
47.5 FEET @ 1.25%
TRENCH BACKFILL 15.2 CU YD

CONSTRUCTION LIMITS (TYP)

UTILITY POLE TO BE RELOCATED BY OTHERS

STA. 52+50.64
42.30' LT.
(MATCH EXISTING T/C)

COMBINATION CURB AND GUTTER REMOVAL, 21.2 L.F.

INLETS TA T15 F&L
STA. 52+55.34
21.69' LT.
T/C ELEV. 489.74
INV. ELEV. 485.91

T/C 489.52

15in SS CL B TY-1
268.5 FEET @ 1.39%
TRENCH BACKFILL 50.8 CU YD

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 320 FEET

RONALD S. BENTHALL, TAMARA N. BENTHALL, HARVEY S. NOUBARIAN & ADRIENNE NOUBARIAN
05-18-308-016

JAMES P. STEELE & SYLVIA L. STEELE
05-18-308-018

WILLIAM S. BURGER & KARLA HARKEY
05-18-307-017

T/C 490.73

JANET DRIVE

CURB JOINT

EXISTING R.O.W.

℄ - ℄ STA. 52+16.97

68°23'50"

℄ R.O.W.

℄ EXISTING ROADWAY

REMOVE EXISTING CULVERTS, 36.7 L.F.

MANHOLE TO BE ADJUSTED

EXISTING R.O.W

PROVIDE DEPRESSED CURB SECTION IN PROPOSED CURB AT INTERSECTION TO ACCOMMODATE RAMP FOR FUTURE SIDEWALK AS DIRECTED BY ENGINEER.

WELCH ENTERPRISES LP
05-18-300-020

CURVE DATA
P.I. STA. 55+20.29
Δ = 2°24'09"
D = 2°24'09"
R = 2385.00'
T = 50.01'
L = 100.00'
E = 0.52'
P.C. STA. 54+70.28
P.T. STA. 55+70.28
S.E. = NONE
SUPERELEVATION ATTAINMENT N.A.

COMBINATION CURB AND GUTTER REMOVAL, 20.1 L.F.

INLETS TB T15 F&L
STA. 55+26.96
20.33' LT.
T/C ELEV. 484.84
INV. ELEV. 482.18

T/C 485.20

P.C. = 54+70.28

MANHOLE TO BE ADJUSTED

℄ STA. 55+45.59

66°54'41"

REMOVE EXISTING CULVERTS, 43.0 L.F.

WATER VALVE TO BE ADJUSTED

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 601 FEET

PROVIDE DEPRESSED CURB SECTION IN PROPOSED CURB AT INTERSECTION TO ACCOMMODATE RAMP FOR FUTURE SIDEWALK AS DIRECTED BY ENGINEER.

18in SS TY-1 WATERMAIN QUALITY
34.0 FEET @ 1.09%
TRENCH BACKFILL 7.9 CU YD

INLETS TA T15 F&L
STA. 55+83.68
15.79' RT.
T/C ELEV. 484.65
INV. ELEV. 482.15

18in SS TY-1 WATERMAIN QUALITY
54.0 FEET @ 0.71%
TRENCH BACKFILL 12.5 CU YD

REMOVE EXISTING INLET

URSULA DRIVE

P.C. = 55+70.28

STA. 55+41.32
36.00' LT.
(MATCH EXISTING T/C)

UTILITY POLE TO BE RELOCATED BY OTHERS

STA. 55+80.66
36.00' LT.
(MATCH EXISTING T/C)

TEMPORARY EASEMENT (TYP.)

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 184 FEET

INLETS TB T15 F&L
STA. 55+83.68
20.50' LT.
T/C ELEV. 484.74
INV. ELEV. 481.78

T/C 484.60

18in SS CL B TY-1
198.0 FEET @ 0.85%
TRENCH BACKFILL 46.2 CU YD

JAMES L. ALF & JEAN A. ALF
05-18-309-006

P.C. = 56+70.95

CONC. DRIVE

18" PLASTIC

P.E. STA. 56+82.33 L
ROCK SURFACE, 13.3' WIDE

WELCH ENTERPRISES LP
05-18-300-020

REMOVE EXISTING CULVERTS, 247.5 L.F.

CCV DEVELOPMENT, LLC
05-18-314-024

CURVE DATA
P.I. STA. 57+20.97
Δ = 3°02'04"
D = 3°02'05"
R = 1888.40'
T = 50.02'
L = 100.01'
E = 0.66'
P.C. STA. 56+70.95
P.T. STA. 57+70.96
S.E. = NONE
SUPERELEVATION ATTAINMENT N.A.

PAVEMENT RECONSTRUCTION AREA

BITUMINOUS SURFACE REMOVAL AREA

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

P.V.I. STA = 53+02.50
P.V.I. ELEV = 488.84
A = 0.11
K = N.A.
0.00' VC

P.V.C. 53+81.79
ELEV. 487.52

PVI STA = 54+36.79
PVI ELEV = 486.85
A.D. = -0.85
K = 105.70
90.00' VC

P.V.R.C. 54+81.79
ELEV. 485.80

PVI STA = 55+26.79
PVI ELEV = 484.75
A.D. = 1.91
K = 47.18
90.00' VC

P.V.I. 55+71.79
ELEV. 484.56

PROPOSED PROFILE GRADE

EXISTING PROFILE ALONG ℄

-1.50%

-1.48%

-2.33%

-0.43%

12" STORM SEWER (LT.)

15" STORM SEWER (LT.)

18" STORM SEWER (LT.)

+06.02 INLET
INV. 486.55

+55.34 INLET
INV. 485.91

+26.96 INLET
INV. 482.18

+83.68 INLET
INV. 481.78

VERTICAL ALIGNMENT FOR STA. 50+50.00 TO 54+25.00 REPRESENTS AN APPROXIMATION OF THE ACTUAL ALIGNMENT. THE BITUMINOUS CONCRETE OVERLAY PROPOSED FOR THIS PORTION OF THE IMPROVEMENT PROJECT SHALL BE CONSTRUCTED AS SHOWN ON THE TYPICAL SECTIONS.

	51+50	52+00	53+00	54+00	55+00	56+00	57+00	57+50
EXISTING	491.17	490.39	488.24	488.79	488.06	487.24	486.49	485.41
PROPOSED	490.92	490.14	488.99	488.54	487.83	486.99	486.35	485.72
	484.70	485.45	484.44	484.95	484.23	484.48	484.01	483.92
	483.80	483.60						

E:\45184 - Lebanon - Mound St STP Project\dwg\SHEET LS_PP_08.dwg, 3/16/2007 8:51:50 AM, Plotted by M.A.L.

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	16
STA. 57+50.00		TO STA. 63+50.00		
FEDERAL AID PROJECT		CONTRACT 97302		

CURVE DATA
P.I. STA. 57+20.97
Δ = 3°02'04"
D = 3°02'03"
R = 1888.40'
T = 50.02'
L = 100.01'
E = 0.66'
P.C. STA. 56+70.95
P.T. STA. 57+70.96
S.E. = NONE
SUPERELEVATION ATTAINMENT N.A.

MATCH LINE 57+50

MATCH LINE 63+50

12in SS TY-1 WATERMAIN QUALITY
37.0 FEET @ 1.61%
TRENCH BACKFILL 10.5 CU YD

PROVIDE DEPRESSED CURB SECTION IN PROPOSED CURB AT INTERSECTION TO ACCOMMODATE RAMP FOR FUTURE SIDEWALK AS DIRECTED BY ENGINEER.

24in SS CL B TY-1
10.0 FEET @ 1.00%

INLETS TB T15 F&L
STA. 57+83.00
15.33' LT.
T/C ELEV. 483.80
INV. ELEV. 480.10

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 189 FEET

LOUIS U. GUTHRIE
05-18-309-011

STA. 59+23.81
40.75' LT.
(MATCH EXISTING T/C)

T/C 483.35

12in SS TY-1 WATERMAIN QUALITY
29.0 FEET @ 1.42%
TRENCH BACKFILL 8.5 CU YD

INLETS TB T15 F&L
STA. 58+85.16
15.33' LT.
T/C ELEV. 483.36
INV. ELEV. 479.56

14.0' BUTT JOINT

SHADY LANE

24in SS CL A TY-1
100.0 FEET @ 0.53%
TRENCH BACKFILL 30.7 CU YD

24" PLASTIC

END SECTION 24"
STA. 57+82.55, 22.73' LT.

24" HDPE

STA. 59+37.20

86°16'08"

℄ EXISTING ROADWAY

24in SS CL B TY-1
124.0 FEET @ 0.53%
TRENCH BACKFILL 20.5 CU YD

CONSTRUCTION LIMITS (TYP)

STA. 59+55.85
40.40' LT.
(MATCH EXISTING T/C)

REMOVE EXISTING CULVERTS, 192.2 L.F.

RETAINING BLOCK WALL

T/C 482.08

P.E. STA. 60+16.07 L
P.C.C. SURFACE, 9.9' WIDE

SALVATORE MACALUSO & EVA MACALUSO
05-18-312-014

INLET BOX SPL N1
STA. 60+10.44
17.50' LT.
T/C ELEV. 482.83
INV. ELEV. 478.89

68°21'51"

24in SS CL B TY-1
84.0 FEET @ 0.53%
TRENCH BACKFILL 13.9 CU YD

18in SS TY-1 WATERMAIN QUALITY
32.0 FEET @ 2.15%
TRENCH BACKFILL 11.2 CU YD

INLET BOX SPL N1
STA. 60+96.62
17.50' LT.
T/C ELEV. 482.59
INV. ELEV. 478.43

24in SS CL B TY-1
62.0 FEET @ 0.53%
TRENCH BACKFILL 26.3 CU YD

PERMANENT EASEMENT

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 412 FEET

STONE RIPRAP CLASS 3, 14.4 S.Y.

END SECTION 36"
STA. 61+56.26, 38.34' LT.

36in SS CL B TY-1
20.0 FEET @ 6.35%

24in SS TY-1 WATERMAIN QUALITY
168.0 FEET @ 0.66%
TRENCH BACKFILL 58.8 CU YD

TEMPORARY EASEMENT (TYP.)

INLET BOX SPL N1
STA. 61+61.99
17.50' LT.
T/C ELEV. 482.74
INV. ELEV. 478.11

BERNARD F. ROWAN & KAREN J. ROWAN
05-18-312-015

EXISTING R.O.W.

℄ R.O.W.

24" CMP

20' T19 24" HDPE

280' RING-FLO

REMOVE EXISTING CULVERTS, 40.0 L.F.

INLET BOX SPL N1
STA. 60+96.62
17.50' RT.
T/C ELEV. 482.59
INV. ELEV. 479.16

WATER VALVE TO BE ADJUSTED

REMOVE EXISTING CULVERTS, 34.2 L.F.

REMOVE EXISTING CULVERTS, 19.6 L.F.

INLETS TA T15 F&L
STA. 61+61.99
15.81' RT.
T/C ELEV. 482.74
INV. ELEV. 479.83

INLETS TA T15 F&L
STA. 58+85.16
15.73' RT.
T/C ELEV. 483.36
INV. ELEV. 480.00

15in SS CL B TY-1
10.0 FEET @ 0.50%

INLETS TA T15 F&L
STA. 57+58.94
15.80' RT.
T/C ELEV. 483.90
INV. ELEV. 480.73

12in SS CL B TY-1
14.0 FEET @ 0.50%

12in SS TY-1 WATERMAIN QUALITY
30.5 FEET @ 5.46%
TRENCH BACKFILL 19.3 CU YD

CHARLES E. WALKER & BEVERLY WALKER
05-18-314-023

CCV DEVELOPMENT, LLC
05-18-314-022

STEVEN M. HENRICHS & PAMELA K. HENRICHS
05-18-314-019

AARON E. LANDS
05-18-314-016

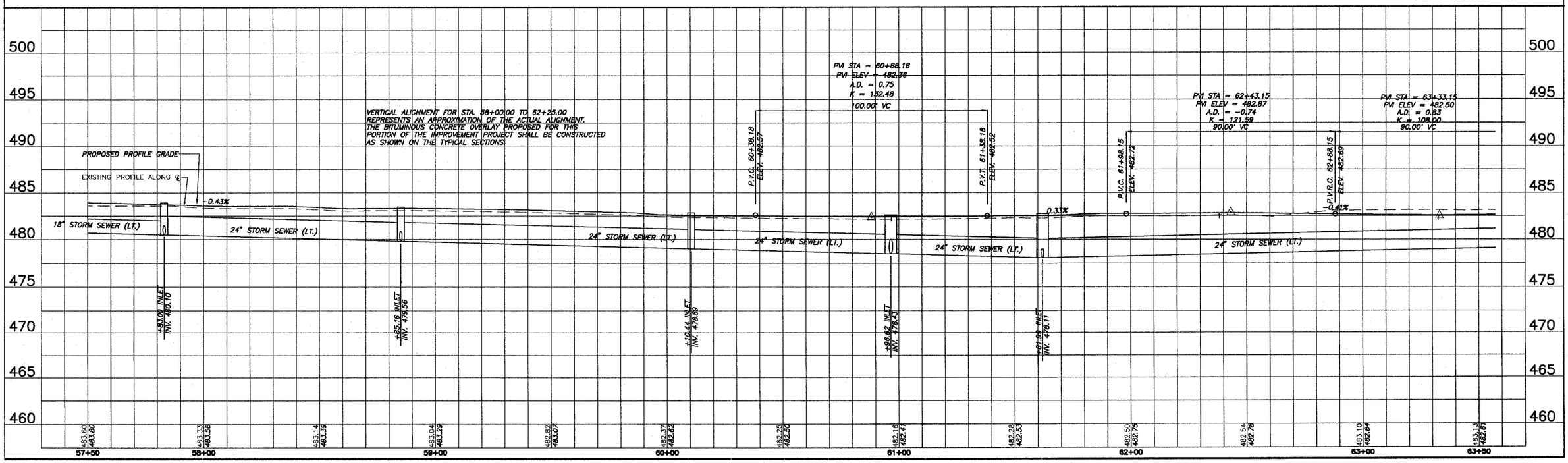
PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 600 FEET

AREAS DISTURBED WITHIN THESE EASEMENTS SHALL BE SEEDED WITH SAME MIXTURE AS EXISTING TURF. COORDINATE WITH PROPERTY OWNERS. COST INCIDENTAL TO SEEDING, CLASS 1.

PAVEMENT RECONSTRUCTION AREA

BITUMINOUS SURFACE REMOVAL AREA

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



E:\16404 - Lebanon - Monroe St STP Project\dwg\SHEET 16_PP_00.dwg, 3/16/2007 8:33:22 AM, Plotted by M.K.L.

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	17
STA. 63+50.00		TO STA. 69+50.00		
FEDERAL AID PROJECT		CONTRACT 97302		

CURVE DATA
P.I. STA. 70+85.85
Δ = 46°07'59"
D = 11°27'32"
R = 500.00'
T = 212.92'
L = 402.59'
E = 43.45'
P.C. STA. 68+84.55
P.T. STA. 72+87.14
S.E. = NONE
SUPERELEVATION ATTAINMENT N.A.

STA. 63+81.82
36.68' LT.
(MATCH EXISTING T/C)

18in SS TY-1 WATERMAIN QUALITY
87.0 FEET @ 0.68%
TRENCH BACKFILL 26.7 CU YD

INLET BOX SPL N1
STA. 63+71.00
19.80' LT.
T/C ELEV. 482.72
INV. ELEV. 479.22
T/C 482.77

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 45 FEET

CONSTRUCTION LIMITS (TYP)

18in SS TY-1 WATERMAIN QUALITY
37.0 FEET @ 1.13%
TRENCH BACKFILL 11.4 CU YD

STA. 64+15.52
47.43' LT.
(MATCH EXISTING T/C)

INLETS TB T15 F&L
STA. 64+23.15
19.38' LT.
T/C ELEV. 482.97
INV. ELEV. 479.82

12in SS CL B TY-1
13.0 FEET @ 0.50%

REMOVE EXISTING CULVERT, 73 L.F.

PROVIDE DEPRESSED CURB SECTION IN PROPOSED CURB AT INTERSECTION TO ACCOMMODATE RAMP FOR FUTURE SIDEWALK AS DIRECTED BY ENGINEER.

LUIS A. HERNANDEZ & MABEL S. HERNANDEZ
05-18-312-026

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 558 FEET

COMBINATION CURB AND GUTTER REMOVAL, 3.4 L.F.

THE MILLIKIN FAMILY REVOCABLE LIVING TRUST
05-18-312-025

COMBINATION CURB AND GUTTER REMOVAL, 2.6 L.F.

TEMPORARY EASEMENT (TYP.)

GEORGE A. KUCH & CLARICE L. KUCH
05-18-312-024

GEORGE A. KUCH & CLARICE L. KUCH
05-18-312-023

ST. JOSEPHS CEMETERY
05-18-100-004

ACORN WAY

DRIVE SIGN W/ RETAINING BLOCK

MATCH LINE 63+50

MATCH LINE 69+50

18" RCCP

T/C 483.07

END SECTION 12"
STA. 64+36.55, 24.28' LT.

℄ - ℄ STA. 63+96.68

℄ - ℄ STA. 63+94.21

℄ EXISTING ROADWAY

℄ R.O.W.

℄ - ℄ STA. 66+72.78

EXISTING R.O.W.

T/C 484.06

WATER VALVE TO BE ADJUSTED

WATER VALVE TO BE ADJUSTED

15" HDPE

15" RCCP

REMOVE EXISTING CULVERTS, 19.0 L.F.

REMOVE EXISTING CULVERT, 27 L.F.

T/C 483.04

REMOVE EXISTING INLET

15in SS CL B TY-1
230 FEET @ 0.47%

REMOVE EXISTING CULVERTS, 19.0 L.F.

INLET TO BE ADJUSTED. GROUT OPENING WHERE PIPE REMOVED.

INLET TO BE ADJUSTED. GROUT OPENING WHERE PIPE REMOVED.

CCV DEVELOPMENT LLC
05-18-313-001

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 251 FEET

ST. JOSEPHS CEMETERY
05-18-100-004

REMOVE EXISTING CULVERT, 25 L.F.

REMOVE EXISTING INLET

COMBINATION CURB AND GUTTER REMOVAL, 11.4 L.F.

INLETS TB T15 F&L
STA. 64+17.68
19.32' RT.
T/C ELEV. 482.98
INV. ELEV. 479.77

STA. 63+75.96
23.38' RT.
(MATCH EXISTING T/C)

STA. 64+14.72
22.96' RT.
(MATCH EXISTING T/C)

STA. 66+50.20
16.78' RT.
(MATCH EXISTING T/C)

STA. 67+01.02
16.35' RT.
(MATCH EXISTING T/C)

INLETS TB T15 F&L
STA. 63+73.36
20.21' RT.
T/C ELEV. 482.75
INV. ELEV. 479.64

COMBINATION CURB AND GUTTER REMOVAL, 11.9 L.F.

T/C 482.78

REMOVE EXISTING CULVERT, 45 L.F.
18in SS TY-1 WATERMAIN QUALITY
45.0 FEET @ 0.30%
TRENCH BACKFILL 11.5 CU YD

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 30 FEET

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 239 FEET

REMOVE AND REINSTALL STEEL PLATE BEAM GUARDRAIL, 90 L.F.

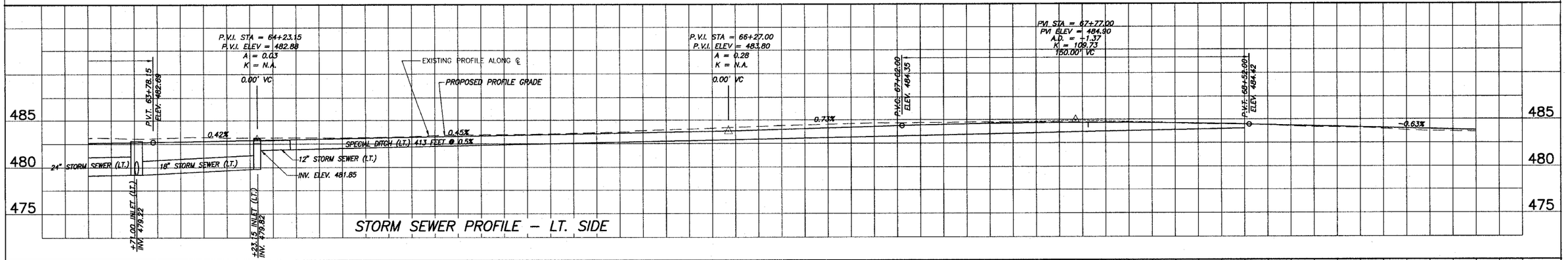
BLOOMFIELD COURT

260' PLUS D.A.G.

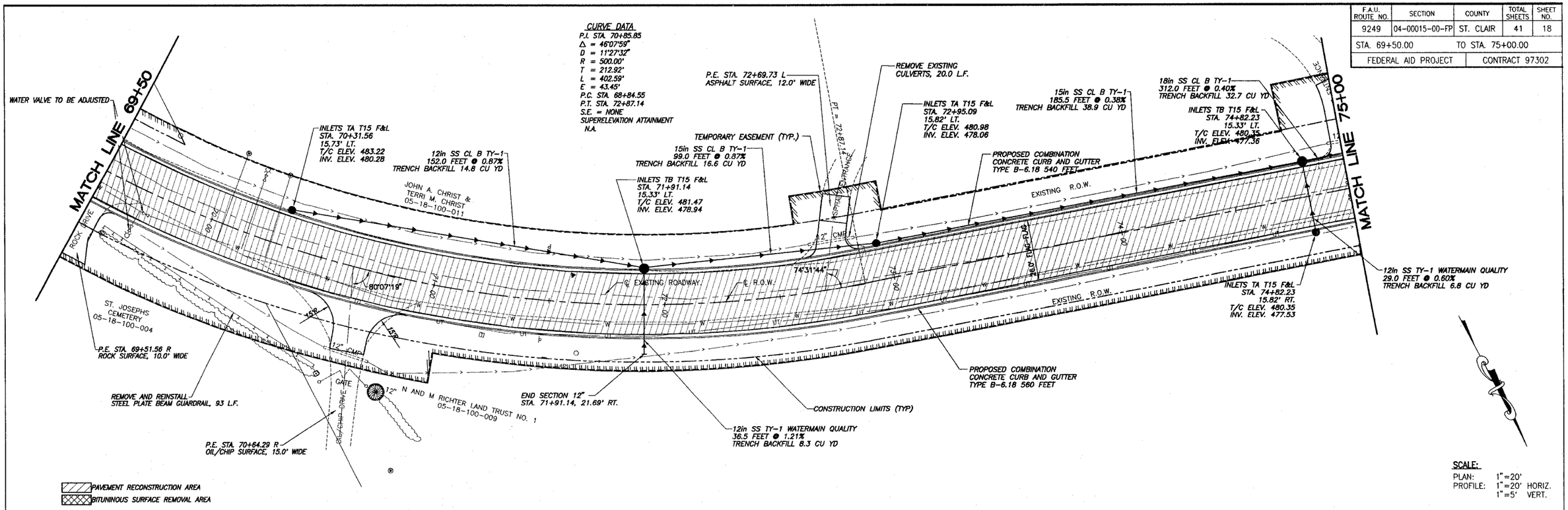
PAVEMENT RECONSTRUCTION AREA

BITUMINOUS SURFACE REMOVAL AREA

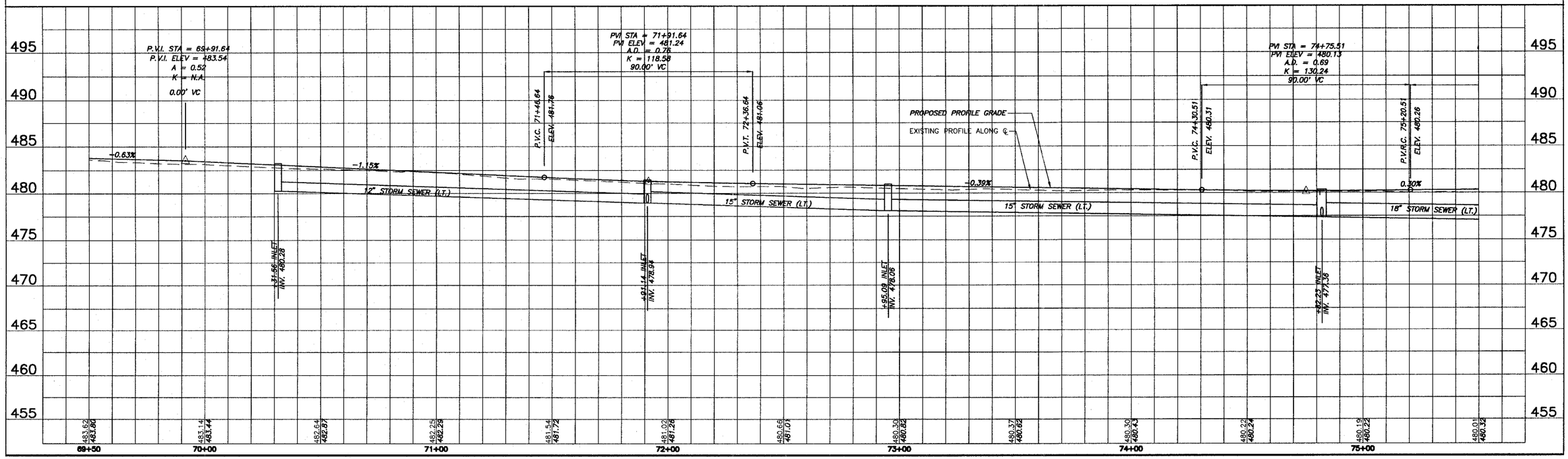
SCALE:
PLAN: 1"=20'
PROFILE: 1"=20' HORIZ.
1"=5' VERT.



F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	18
STA. 69+50.00		TO STA. 75+00.00		
FEDERAL AID PROJECT		CONTRACT 97302		



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



F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	19
STA. 75+00.00		TO STA. 79+10.00		
FEDERAL AID PROJECT		CONTRACT 97302		

P.E. STA. 75+09.12 L
ASPHALT SURFACE, 13.8' WIDE

18in SS CL B TY-1

REMOVE EXISTING CULVERT, 19.8 L.F.

TEMPORARY EASEMENT (TYP.)

PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 366 FEET

INLET BOX SPL N1
STA. 77+94.23
17.50' LT.
T/C ELEV. 479.17
INV. ELEV. 476.10

JOHN A. CHRIST &
TERRI M. CHRIST
05-18-100-011

P.E. STA. 78+33.40 L
ASPHALT SURFACE, 11.7' WIDE

21in SS CL A TY-1
105.0 FEET @ 0.37%
TRENCH BACKFILL 22.0 CU YD

REMOVE EXISTING CULVERT, 20.0 L.F.

END SECTION 21"
STA. 78+98.72, 18.34' LT.

JOHN W. CORNELL &
MARY E. CORNELL
05-18-100-014

END OF PROJECT
STA. 79+10.00

PARK EXIT ROAD
(OIL/CHIP SURFACE)

MATCH LINE 75+00

EXISTING R.O.W.

℄ EXISTING ROADWAY

℄ R.O.W.

100°29'16"

71°50'36"

10:1

STONE RIPRAP CLASS 3, 6 S.Y.

PROPOSED 25' BUTT JOINT
TO MATCH EXISTING PAVEMENT

INLET BOX SPL N1
STA. 77+94.23
17.50' RT.
T/C ELEV. 479.17
INV. ELEV. 476.26

12in SS TY-1 WATERMAIN QUALITY
31 FEET @ 0.50%
TRENCH BACKFILL 7.6 CU YD

PC = 78+65.99

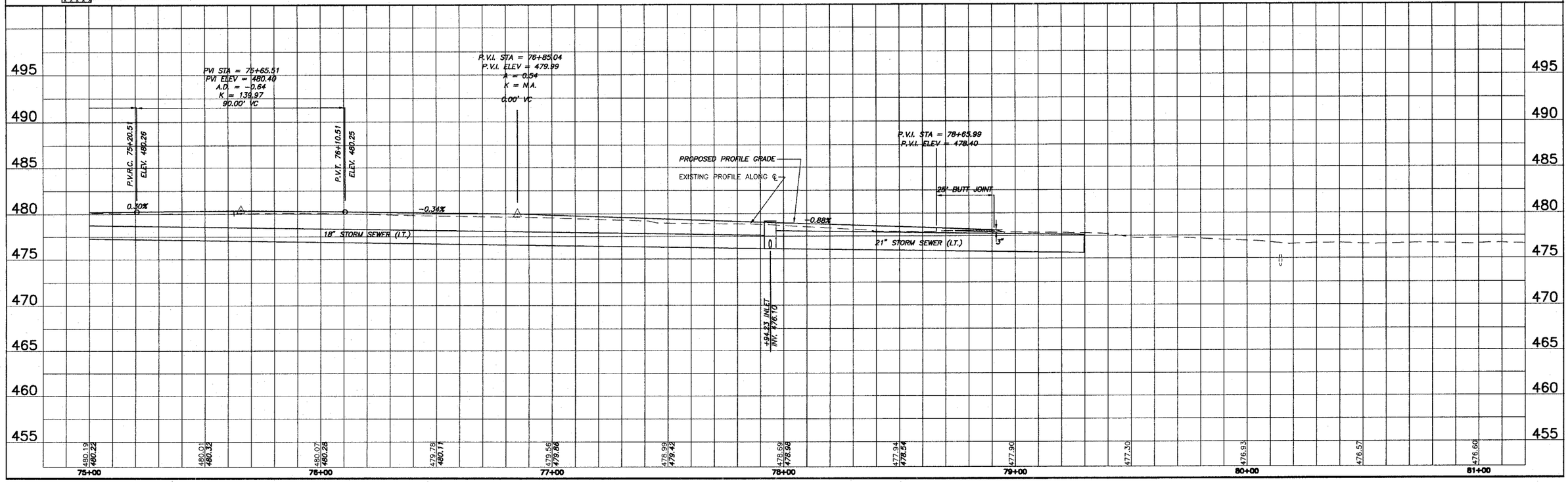
PROPOSED COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 366 FEET

CONSTRUCTION LIMITS (TYP)

CURVE DATA
P.I. STA. 80+59.37
Δ = 73°07'09"
D = 18°54'34"
R = 303.00'
T = 224.70'
L = 386.68'
E = 74.22'
P.C. STA. 78+65.99
P.T. STA. 82+52.67
S.E. = 0.0417 '/'
SUPERELEVATION ATTAINMENT
STA. 78+12.12 TO STA. 79+20.12

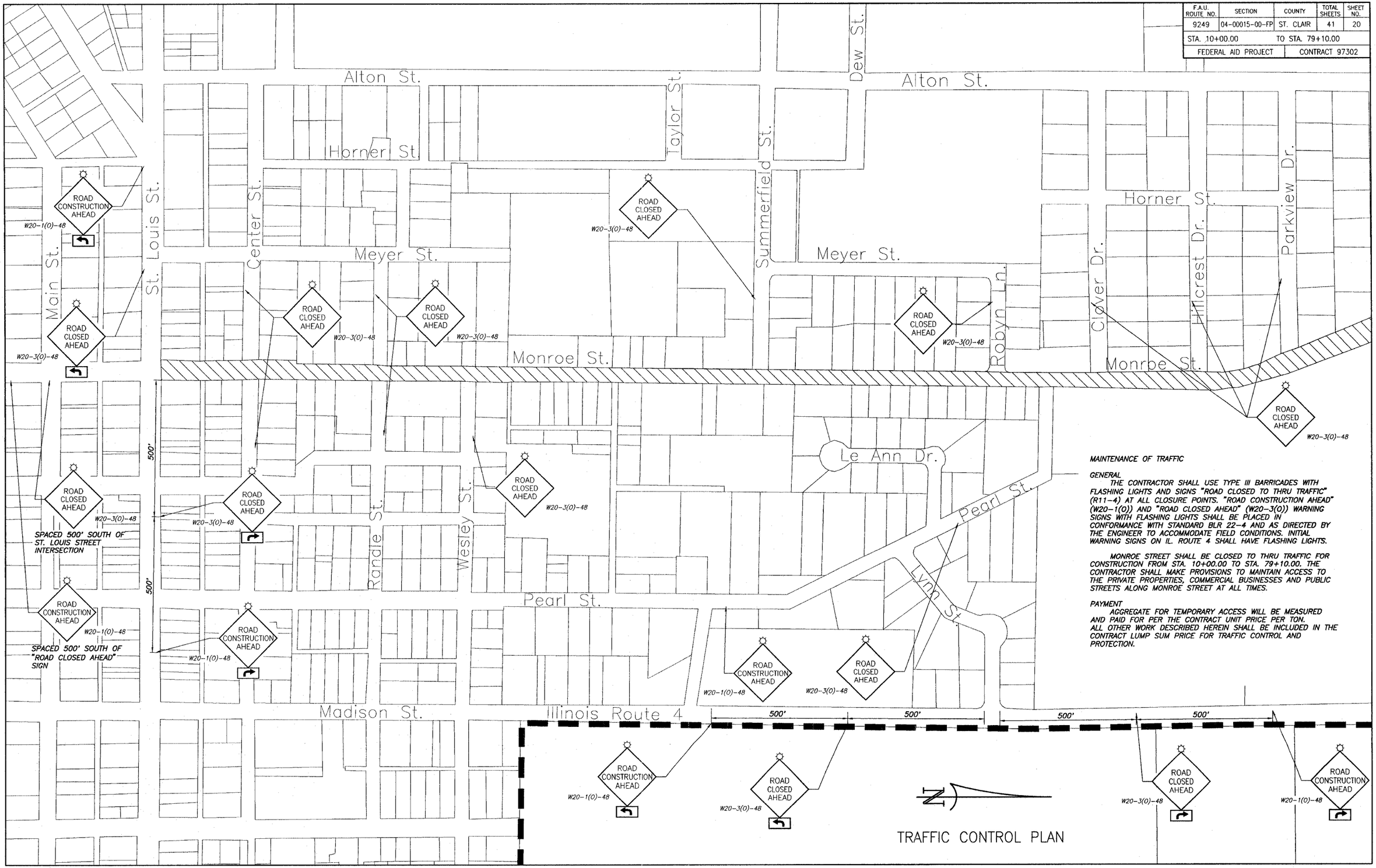
SCALE:
PLAN: 1"=20'
PROFILE: 1"=20' HORIZ.
1"=5' VERT.

PAVEMENT RECONSTRUCTION AREA
BITUMINOUS SURFACE REMOVAL AREA



E:\60464 - Lebaron - Monroe St STP Project\dwg\SHEET 19_PP_12.dwg, 3/30/2007 10:00:49 PM, Plotted by M.A.L.

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	20
STA. 10+00.00		TO STA. 79+10.00		
FEDERAL AID PROJECT		CONTRACT 97302		



TRAFFIC CONTROL PLAN

MAINTENANCE OF TRAFFIC

GENERAL

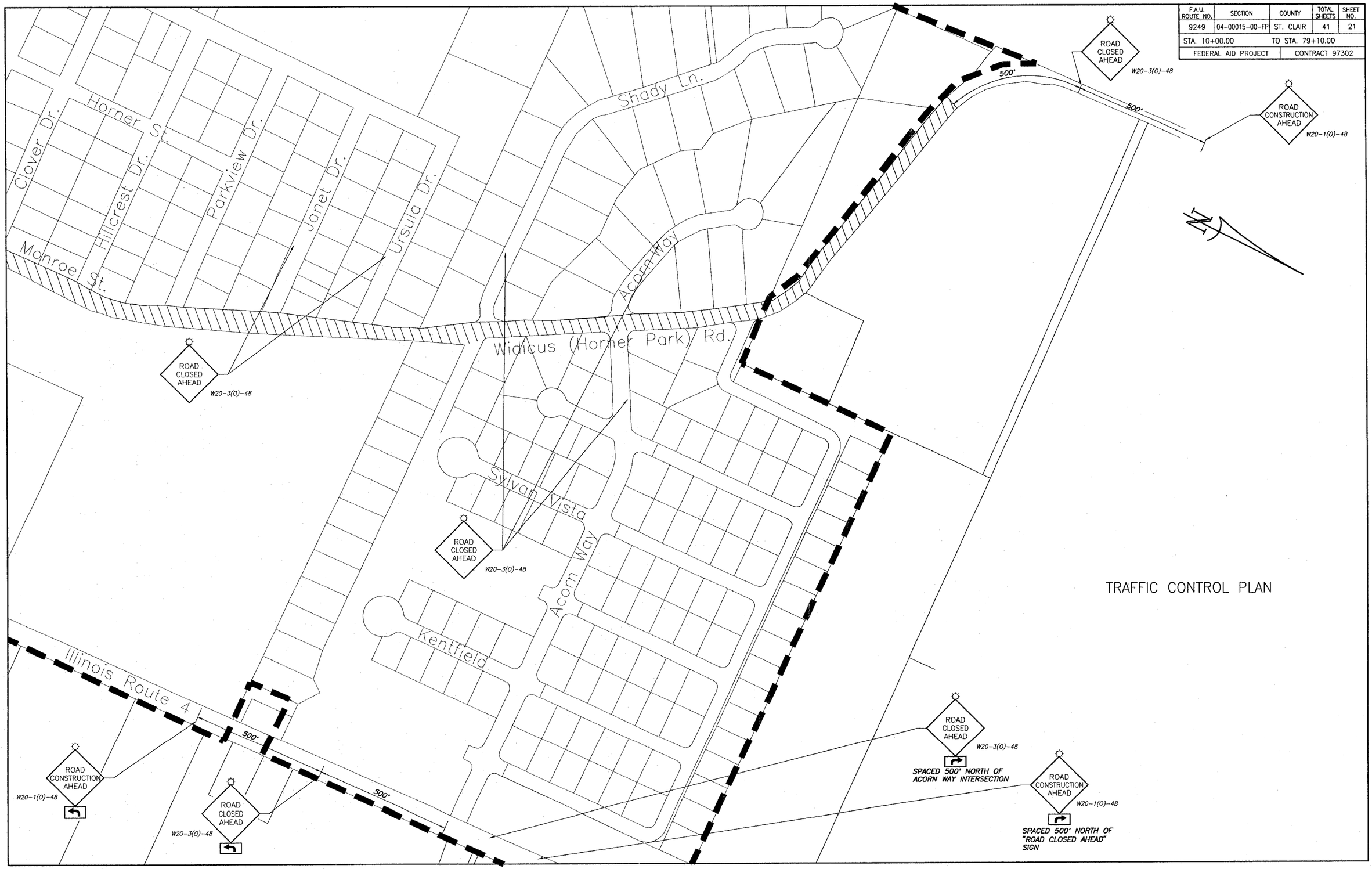
THE CONTRACTOR SHALL USE TYPE III BARRICADES WITH FLASHING LIGHTS AND SIGNS "ROAD CLOSED TO THRU TRAFFIC" (R11-4) AT ALL CLOSURE POINTS. "ROAD CONSTRUCTION AHEAD" (W20-1(0)) AND "ROAD CLOSED AHEAD" (W20-3(0)) WARNING SIGNS WITH FLASHING LIGHTS SHALL BE PLACED IN CONFORMANCE WITH STANDARD BLR 22-4 AND AS DIRECTED BY THE ENGINEER TO ACCOMMODATE FIELD CONDITIONS. INITIAL WARNING SIGNS ON IL. ROUTE 4 SHALL HAVE FLASHING LIGHTS.

MONROE STREET SHALL BE CLOSED TO THRU TRAFFIC FOR CONSTRUCTION FROM STA. 10+00.00 TO STA. 79+10.00. THE CONTRACTOR SHALL MAKE PROVISIONS TO MAINTAIN ACCESS TO THE PRIVATE PROPERTIES, COMMERCIAL BUSINESSES AND PUBLIC STREETS ALONG MONROE STREET AT ALL TIMES.

PAYMENT

AGGREGATE FOR TEMPORARY ACCESS WILL BE MEASURED AND PAID FOR PER THE CONTRACT UNIT PRICE PER TON. ALL OTHER WORK DESCRIBED HEREIN SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION.

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	21
STA. 10+00.00		TO STA. 79+10.00		
FEDERAL AID PROJECT		CONTRACT 97302		



TRAFFIC CONTROL PLAN

E:\19494 - Lebanon - Monroe St STP Projects\dwg\SHEET 20-21_Traffic_Control.dwg, 3/16/2007 9:03:18 AM, Plotted by M.A.L.

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	22
STA. 10+00.00		TO STA. 79+10.00		
FEDERAL AID PROJECT		CONTRACT 97302		

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME; THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THIS PLAN. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER, AS SHOWN IN THE PLAN DETAILS, AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

THE STANDARD SPECIFICATIONS AND SPECIAL PROVISION FOR TEMPORARY EROSION CONTROL ADDITIONALLY SUPPLEMENT THIS PLAN.

SITE DESCRIPTION
DESCRIPTION OF SITE ACTIVITY:

THE PROPOSED PROJECT CONSISTS OF THE RECONSTRUCTION OF 1.309 MILES OF MONROE STREET IN LEBANON, ILLINOIS (2-LANE ROADWAY).

CONSTRUCTION CONSISTS OF EARTHWORK, SIDEWALK, CURB AND GUTTER, PAVEMENT, DRAINAGE STRUCTURES, STORM SEWER, AND OTHER MISCELLANEOUS WORK TO COMPLETE THE PROPOSED ROADWAY.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITES WHICH WILL DISTURB EARTH AND LEAD TO POSSIBLE EROSION FOR MAJOR PORTION OF THE CONSTRUCTION SITE:

EXCAVATION WILL BE COMPLETED ALONG THE MAJORITY OF THE LENGTH OF THE JOB TO GRADE THE PROPOSED ROADWAY AND GRADE FOR FUTURE SIDEWALK CONSTRUCTION.

DRAINAGE STRUCTURES AND STORM SEWER WILL BE INSTALLED DURING CONSTRUCTION OF THE EXCAVATION AND EMBANKMENT TO ALLOW FOR DRAINAGE.

PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEANUP OF TEMPORARY EROSION CONTROL ITEMS INCLUDING EROSION CONTROL FENCE, DITCH CHECKS, SEEDING AND OTHER MISCELLANEOUS EROSION CONTROL MEASURES.

PLACEMENT OF PERMANENT EROSION CONTROL ITEMS, INCLUDING DITCH RIP RAP AND SEEDING.

FINAL ROADWAY GRADING, PAVING, AND OTHER MISCELLANEOUS ITEMS.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 4.7 ACRES OF WHICH 4.7 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THIS STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

SITE MAPS INDICATING DRAINAGE PATTERNS WERE EVALUATED. APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, USGS DRAINAGE MAPS, AND PROJECT PLAN DOCUMENTS WERE ALSO UTILIZED FOR PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DRAINAGE TRIBUTARIES RECEIVING WATER FROM THIS CONSTRUCTION SITE:

UNNAMED TRIBUTARIES TO SILVER CREEK
UNNAMED TRIBUTARIES TO HORNER PARK LAKE

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROL DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION

1. THE AREA BETWEEN THE PROPOSED RIGHT-OF-WAY BOUNDARIES AND LIMITS OF THE PROJECT WILL BE IMPROVED AND MANAGED FOR THE PURPOSED OF CONTROLLING EROSION WITHIN THE AREA, REDUCING WATER FLOW BY TEMPORARY DIVERSION AND MINIMIZING SILTATION INTO THE CONSTRUCTION ZONE, AND ESTABLISHING VEGETATIVE COVER WHICH WILL BECOME PERMANENT VEGETATION AND ACT AS AN EROSION BARRIER. WORK AT THE BEGINNING OF THE CONSTRUCTION WILL CONSIST OF THE FOLLOWING:

   A. AREAS OF EXISTING VEGETATION (WOODS AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION SLOPE LIMITS SHALL BE IDENTIFIED FOR PRESERVING AND SHALL BE PROTECTED FROM MOWING, BRUSH CUTTING, TREE REMOVAL AND OTHER ACTIVITIES WHICH WOULD BE DETRIMENTAL TO THEIR MAINTENANCE AND DEVELOPMENT.

   B. DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.

   C. AS SOON AS REASONABLE ACCESS IS AVAILABLE (SUCH AS TREES CLEARED) TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND AS DIRECTED BY THE ENGINEER.

   D. BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITH FOURTEEN CALENDAR DAYS.

   E. IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED IN CERTAIN AREA WHICH ARE HIGHLY ERODIBLE AS DETERMINED BY THE ENGINEER, THE AREAS SHALL BE TEMPORARILY SEEDED WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN FOURTEEN CALENDAR DAYS.

   F. AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.

2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND MAY SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVERSEEDING CAN BE COMPLETE.

3. A THIRD BENEFIT OF THESE AREAS IS THAT THEY WILL BEGIN TO PROVIDE A SCREEN AND BUFFER. THEY WILL HELP PROTECT THE CONSTRUCTION SITE FROM WINDS AND EXCESS SUN AND MITIGATE CONSTRUCTION NOISE AND DUST.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION

1. DURING ROADWAY CONSTRUCTION, AREA OUTSIDE THE CONSTRUCTION SLOPE LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED FROM DAMAGING EFFECTS OF CONSTRUCTION. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESIGNATED ON THE PLANS OR DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

   A. WITHIN THE CONSTRUCTION ZONE, CRITICAL AREAS WHICH HAVE HIGH FLOWS OF WATER AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

   B. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN CALENDAR DAYS.

   C. AS THE CONTRACTOR PROCEEDS WITH CONSTRUCTION, HE/SHE SHALL FOLLOW THE FOLLOWING STEPS AS DIRECTED BY THE ENGINEER:

      I. PLACE TEMPORARY EROSION CONTROL SYSTEMS AT LOCATIONS WHERE WATER LEAVES AND RETURNS FROM THE CONSTRUCTION ZONE.

      II. TEMPORARILY SEED HIGHLY ERODIBLE AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS.

      III. CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.

      IV. TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.

      V. BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT.

      VI. CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME PLACING EROSION CONTROL SUCH AS RIP RAP, DITCH LINING AND CONDUCT FINAL SHAPING TO THE SLOPES.

   D. EXCAVATED AREA AND EMBANKMENTS SHALL BE PERMANENTLY SEEDED WHEN FINAL GRADED. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR FOURTEEN CALENDAY DAYS.

   E. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUCTION RUN-OFF IN COMPLIANCE WITH EPA WATER QUATITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

   F. THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT ON A REGULAR BASIS, AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF EACH 0.5 INCH RAINFALL OR EQUIVALENT SNOWFALL, TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

   G. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. SILT FENCE SHALL HAVE SEDIMENT REMOVED WHEN IT REACHED 50% OF THE HEIGHT OF THE CONTROL DEVICE. THE COST OF THE MAINTENANCE AND CLEANING OF THE EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE PAY ITEMS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

   H. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE TEMPORARY EROSION CONTROL SYSTEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROLS ARE IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREA SEEDED AND ESTABLISHED WITH A PROPER STAND.

ONCE PERMANENT EROSION CONTROL SYSTEMS AND ITEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDED.

MAINTENANCE AFTER CONSTRUCTION:

FINAL INSPECTION WILL OCCUR AFTER ALL ROADWAY IS COMPLETED AND THE ROADWAY SIGINING IS IN PLACE AND THE ROAD COMPLETELY OPEN TO TRAFFIC.

CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE IS RECEIVED AT THE FINAL INSPECTION.

EROSION AND SEDIMENT CONTROL NOTES:

TEMPORARY DITCH CHECKS SHALL BE LOCATED AS SHOWN ON THE PLANS.

TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100LB/ACRE.

MULCH METHOD 1 AS APPLIED TO TEMPORARY SEEDING SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS.

MULCH METHOD 1 FOR TEMPORARY EROSION CONTROL SEEDING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CONSTRUCT PERIMETER EROSION CONTROL AT BEGINNING OF CONSTRUCTION. REMOVE AT END OF CONSTRUCTION.

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTIION INSPECTION.

LEGEND

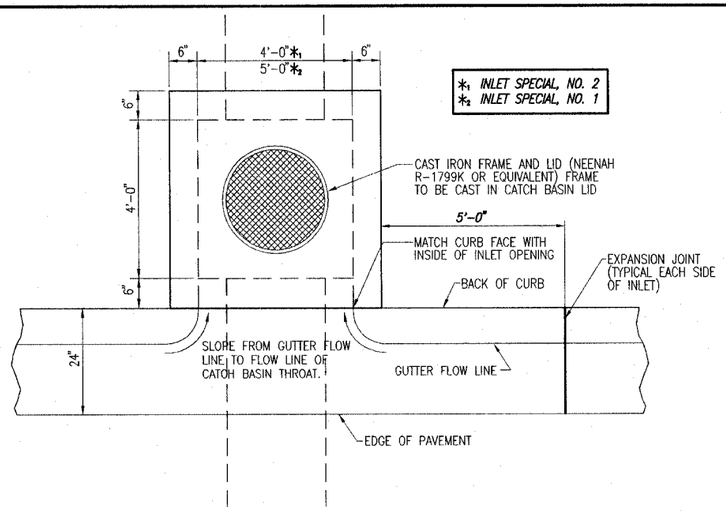
ITEM	SYMBOL	ITEM	SYMBOL
TEMPORARY DITCH CHECKS	—T—	EROSION CONTROL BLANKET	
PERIMETER EROSION BARRIER	- - -	INLET AND PIPE PROTECTION	
RIP RAP			

SIGNATURE — DATE 3/15/07

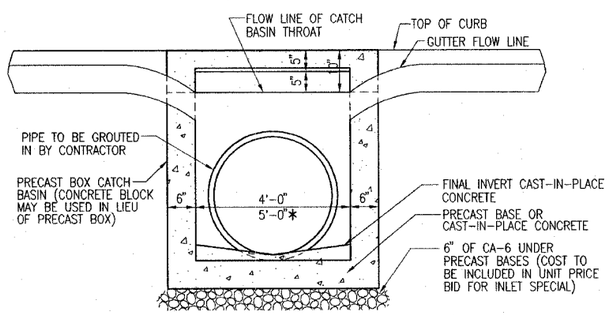
MAYOR OF LEBANON, ILLINOIS
TITLE

E:\NDOT - Lebanon - Monroe St STP Project\dwg\SHEET 22_Storm_Water_Pollution_Plan.dwg, 3/14/2007 3:02:25 PM, Plotted by M.A.L.

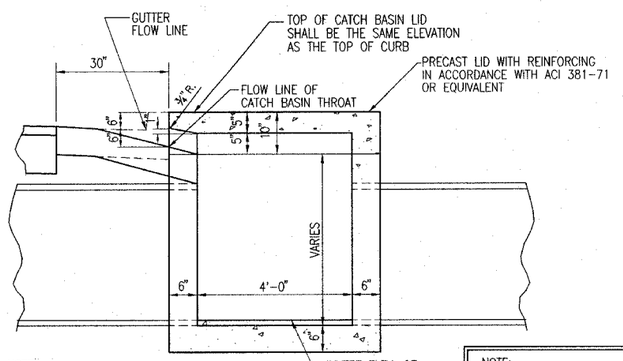
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	23
STA. 10+00.00		TO STA. 79+10.00		
FEDERAL AID PROJECT		CONTRACT 97302		



PLAN



ELEVATION



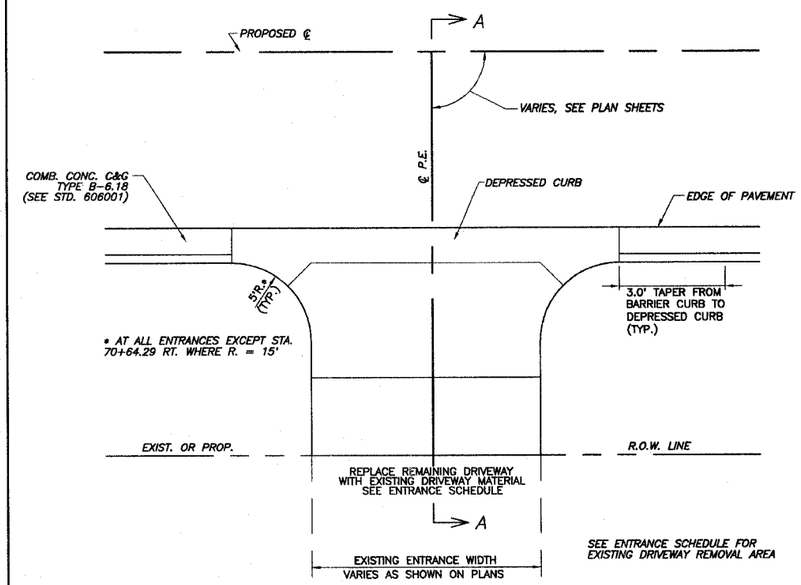
NOTE:
ALL PRECAST CONCRETE STORM SEWER CURB INLETS & AREA INLETS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-478.

END VIEW

NOTE:
INLET BASE TO BE PRECAST (OR CAST IN FIELD) WITH A NOTCH-OUT EQUIVALENT TO THE PIPE THICKNESS TO ALLOW FOR THE PIPE INVERT TO BE THE SAME ELEVATION AS THE INVERT OF THE INLET. (TYPICAL AT ALL PIPE LOCATIONS)

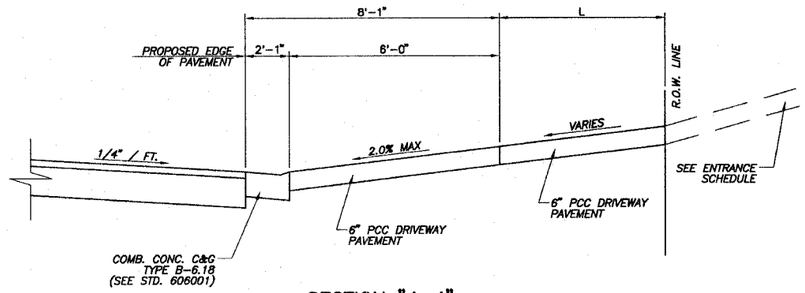
INLET BOX SPECIAL DETAILS

N.T.S.

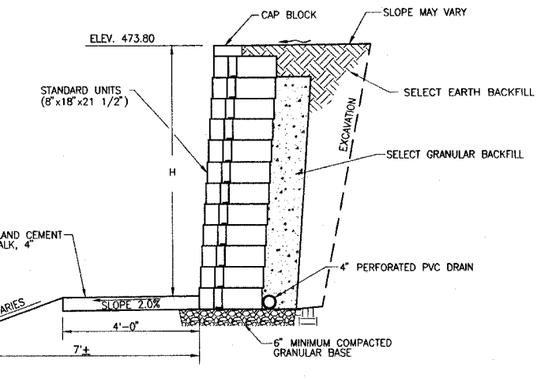


P.E. DETAIL

PRIVATE ENTRANCE ADJACENT TO ROADWAY PAVEMENT WITH CONCRETE CURB & GUTTER TYPE B-6.18



SECTION "A-A"



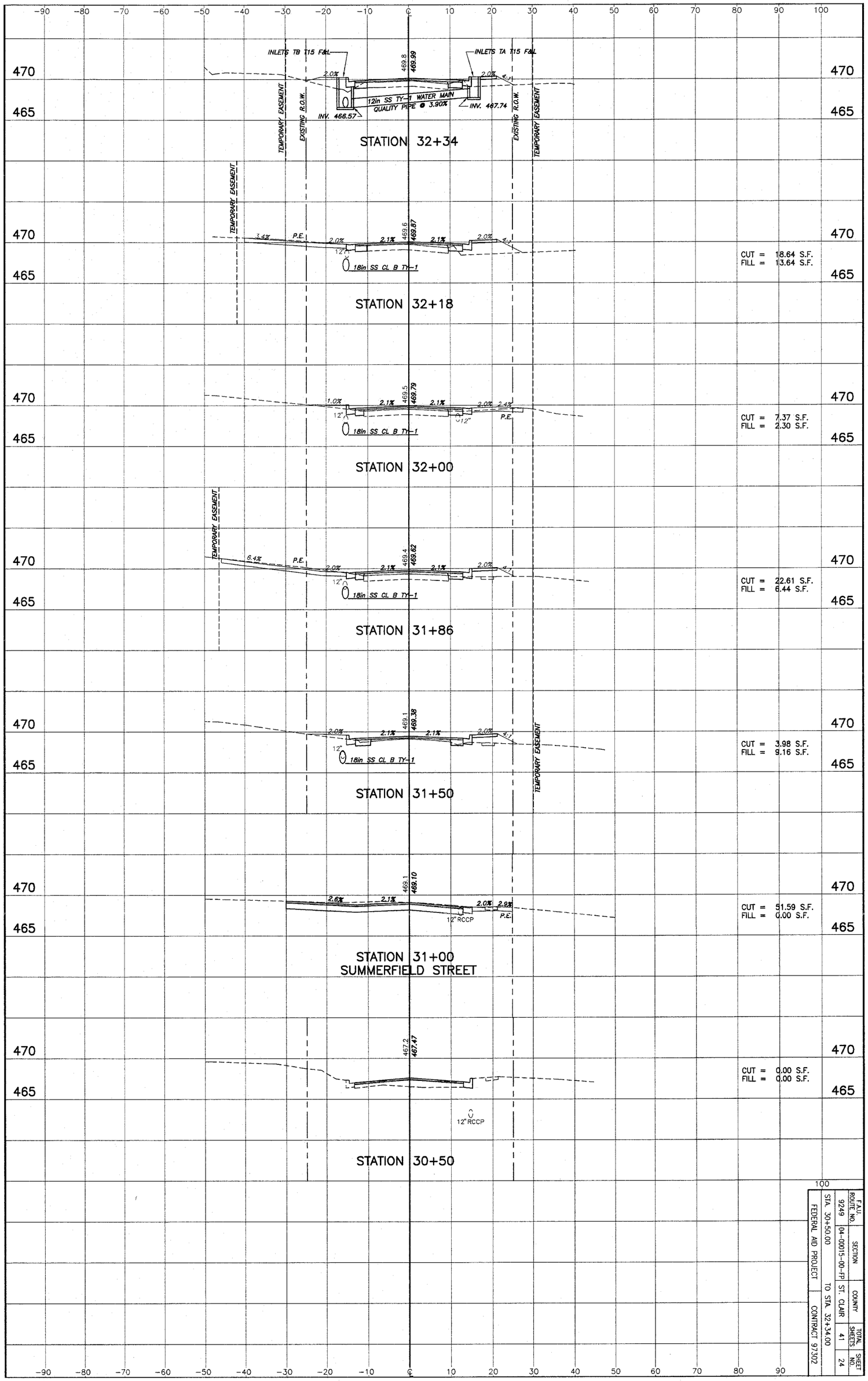
H = WALL HEIGHT, VARIES

NOTE: PROVIDE PREFORMED EXPANSION JOINT MATERIAL BETWEEN CURB AND P.C.C. SIDEWALK AS WELL AS BETWEEN P.C.C. SIDEWALK AND MODULAR RETAINING WALL.

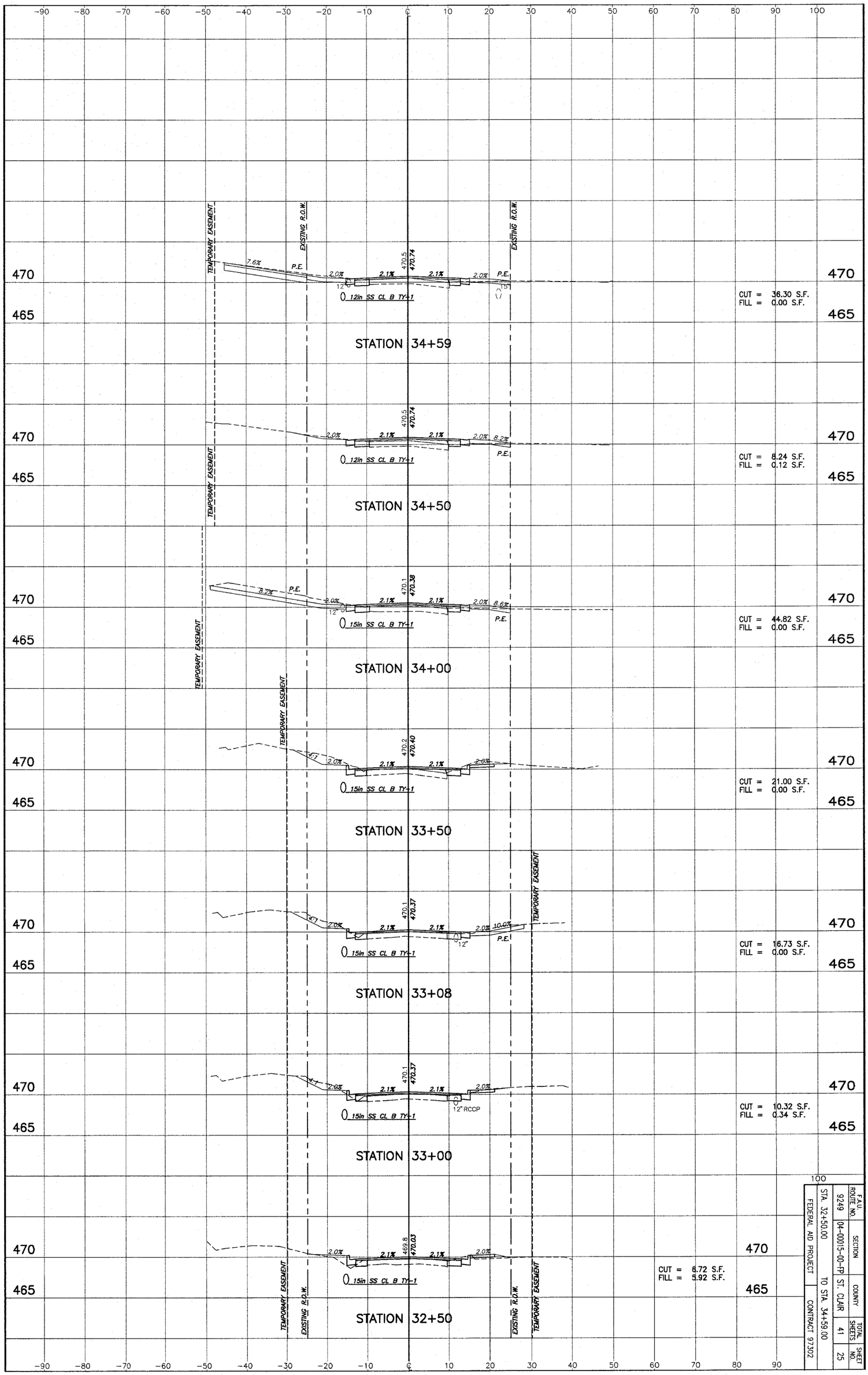
SEGMENTAL CONCRETE BLOCK WALL DETAIL

N.T.S.

E:\40404 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Sections.dwg, 3/21/2007 8:52:39 AM, Plotted by M.A.L.



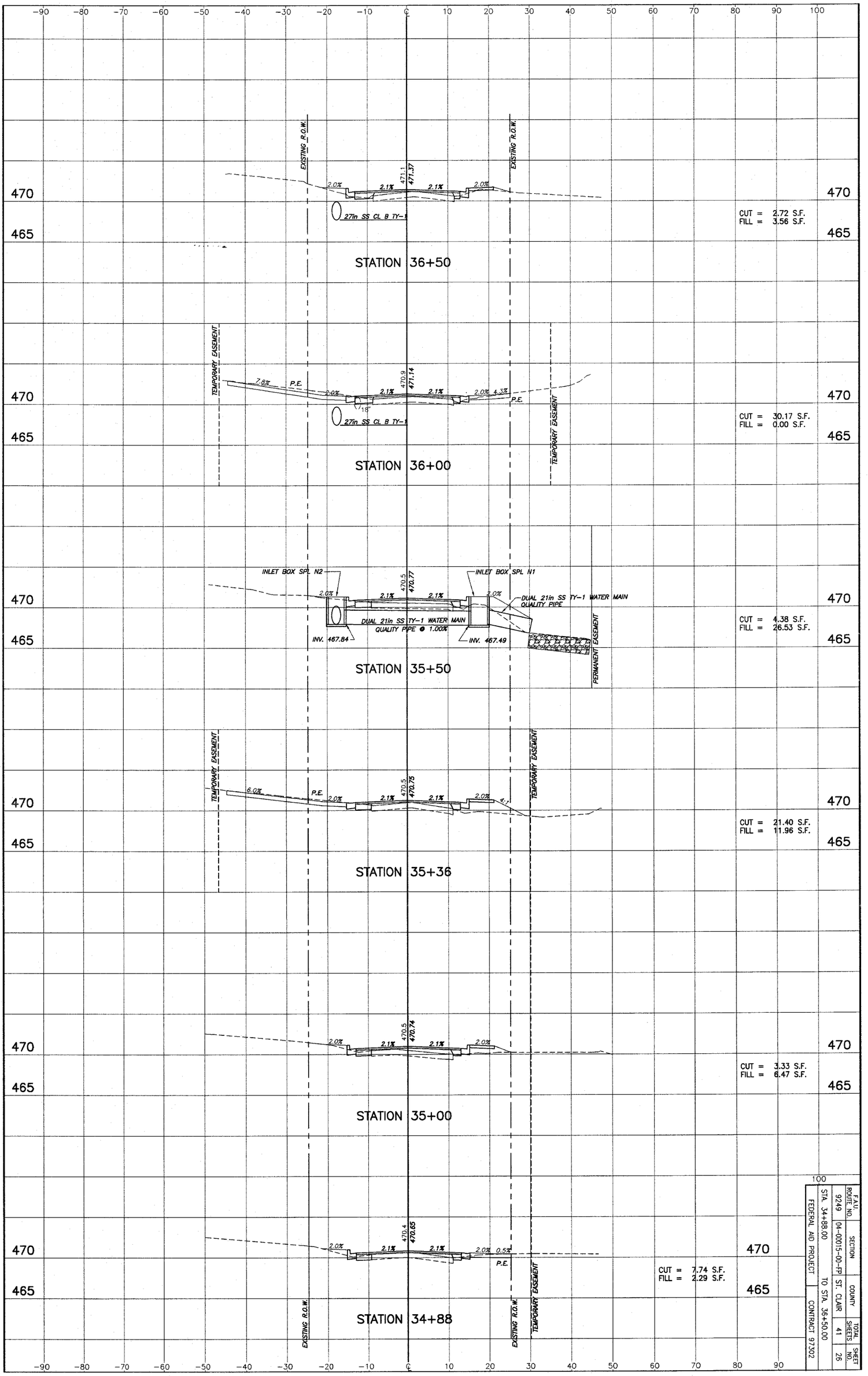
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	24
STA. 30+50.00	TO STA. 32+34.00			
FEDERAL AID PROJECT	CONTRACT 97302			



F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	25

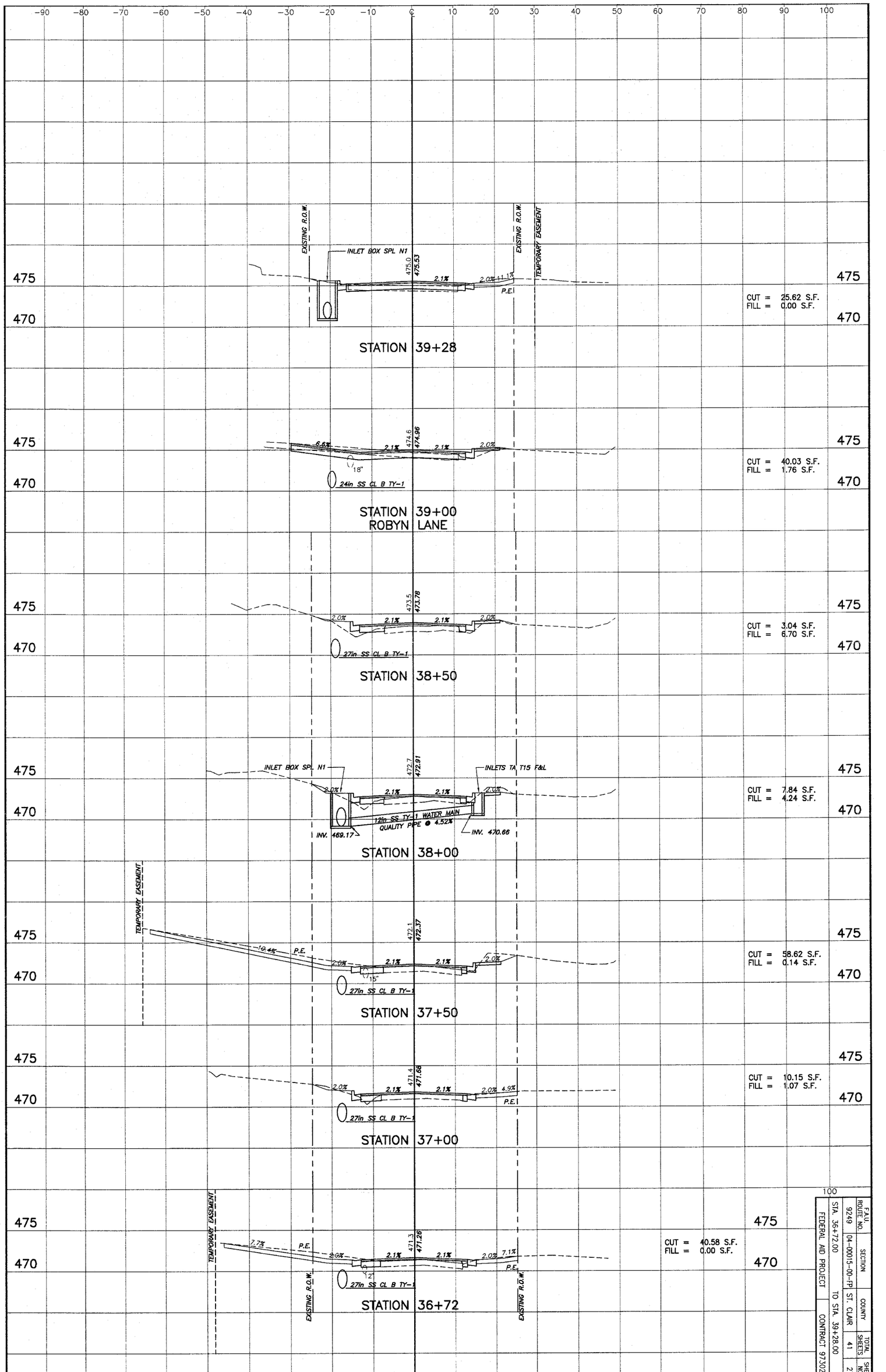
FEDERAL AID PROJECT — CONTRACT: 97302 — STA. 32+50.00 TO STA. 34+59.00

E:\43404 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Sections.dwg, 3/21/2007 8:56:08 AM, Plotted by M.A.L.



FAI/STATE ROUTE NO.	SECTION	COUNTY	SHEET NO.
9249	04-00015-00-PI	ST. CLAIR	41
FEDERAL AID PROJECT	STA. 34+88.00 TO STA. 36+50.00	TOTAL SHEETS	26
CONTRACT 97302			

E:\40404 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Sections.dwg, 3/21/2007 8:56:40 AM, Plotted by M.A.L.

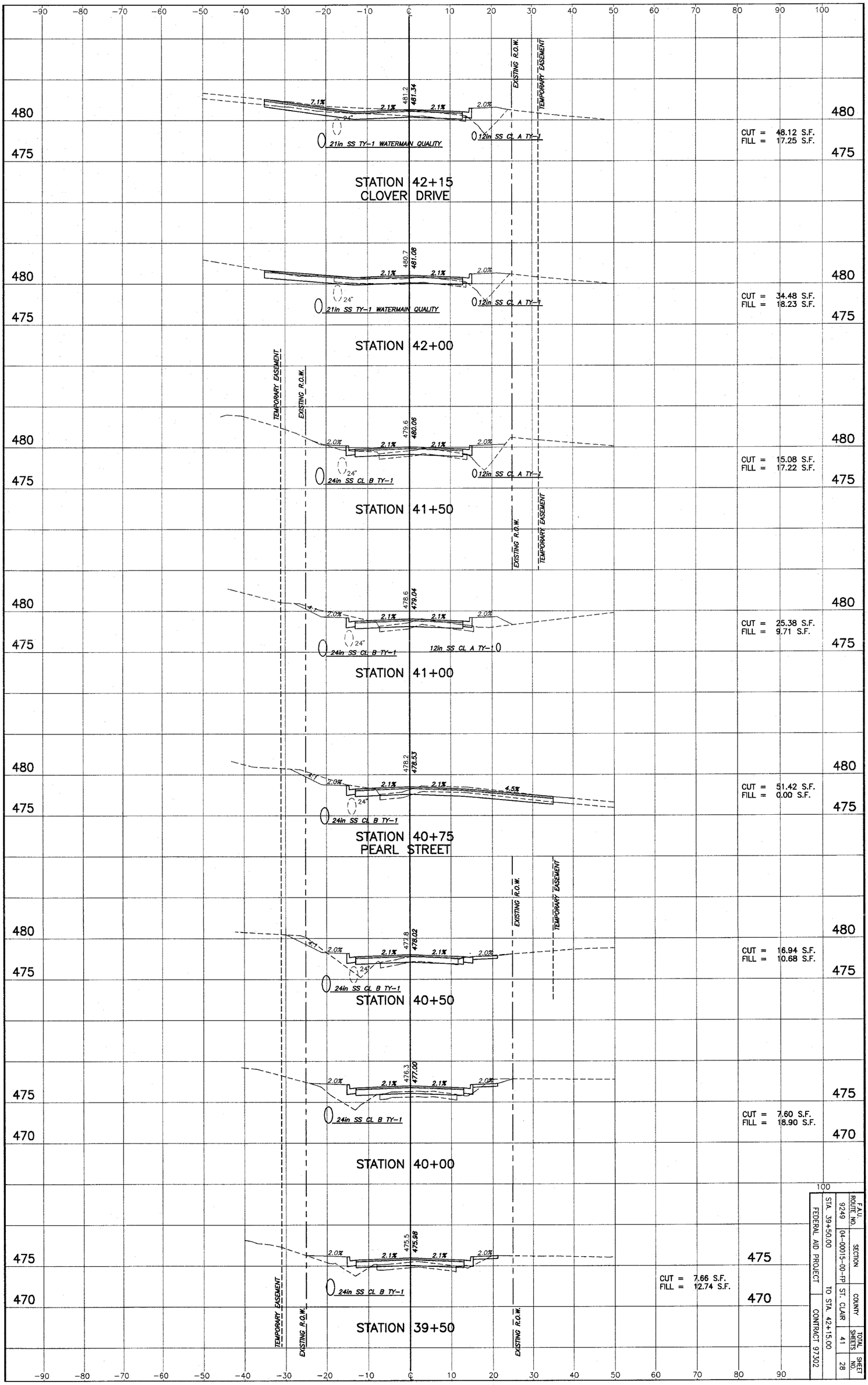


F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-TP	ST. CLAIR	41	27

FEDERAL AID PROJECT — CONTRACT 97302

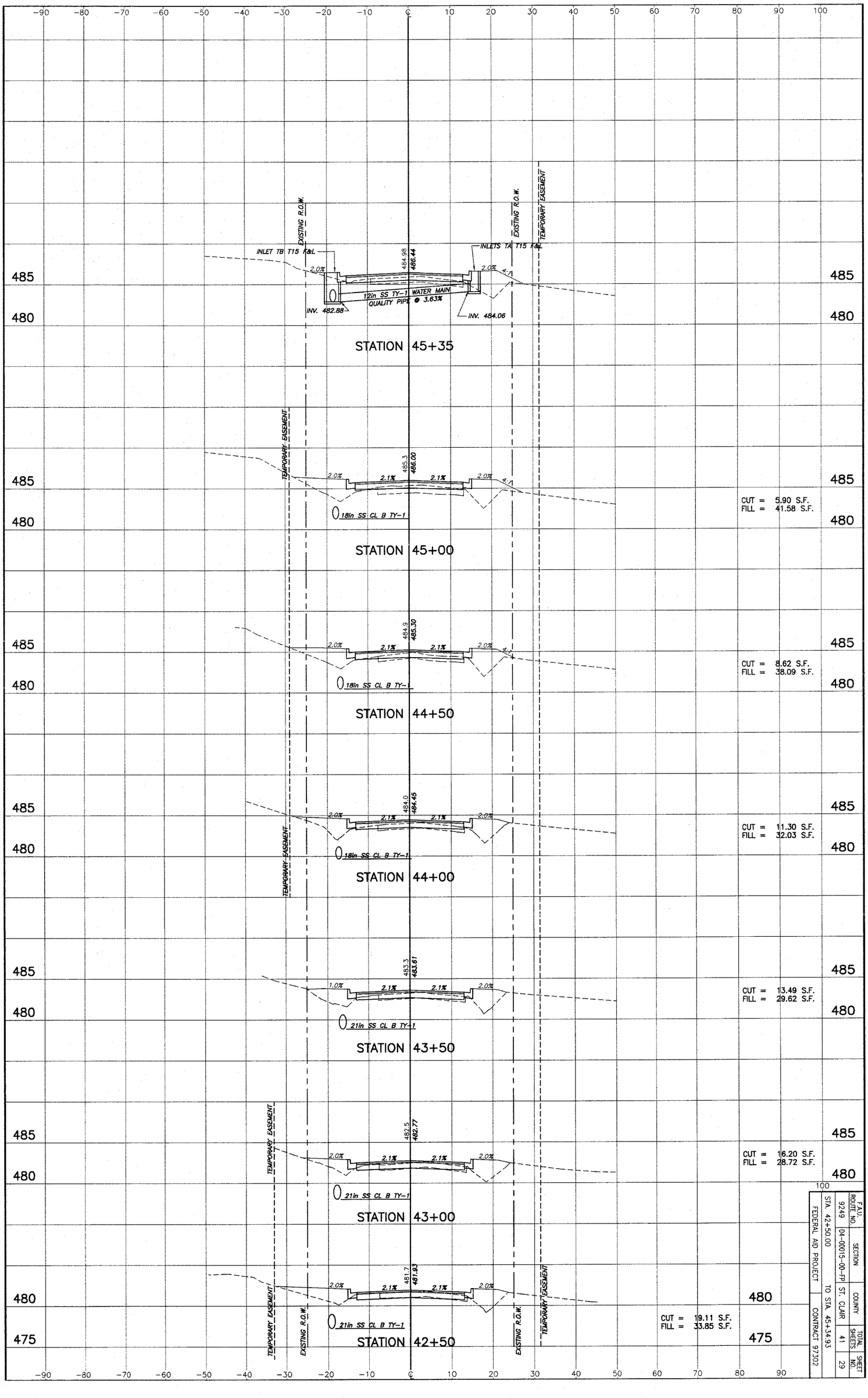
STA. 36+72.00 TO STA. 39+28.00

E:\101404 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Sections.dwg, 3/21/2007 8:57:11 AM, Plotted by M.A.L.



F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	28

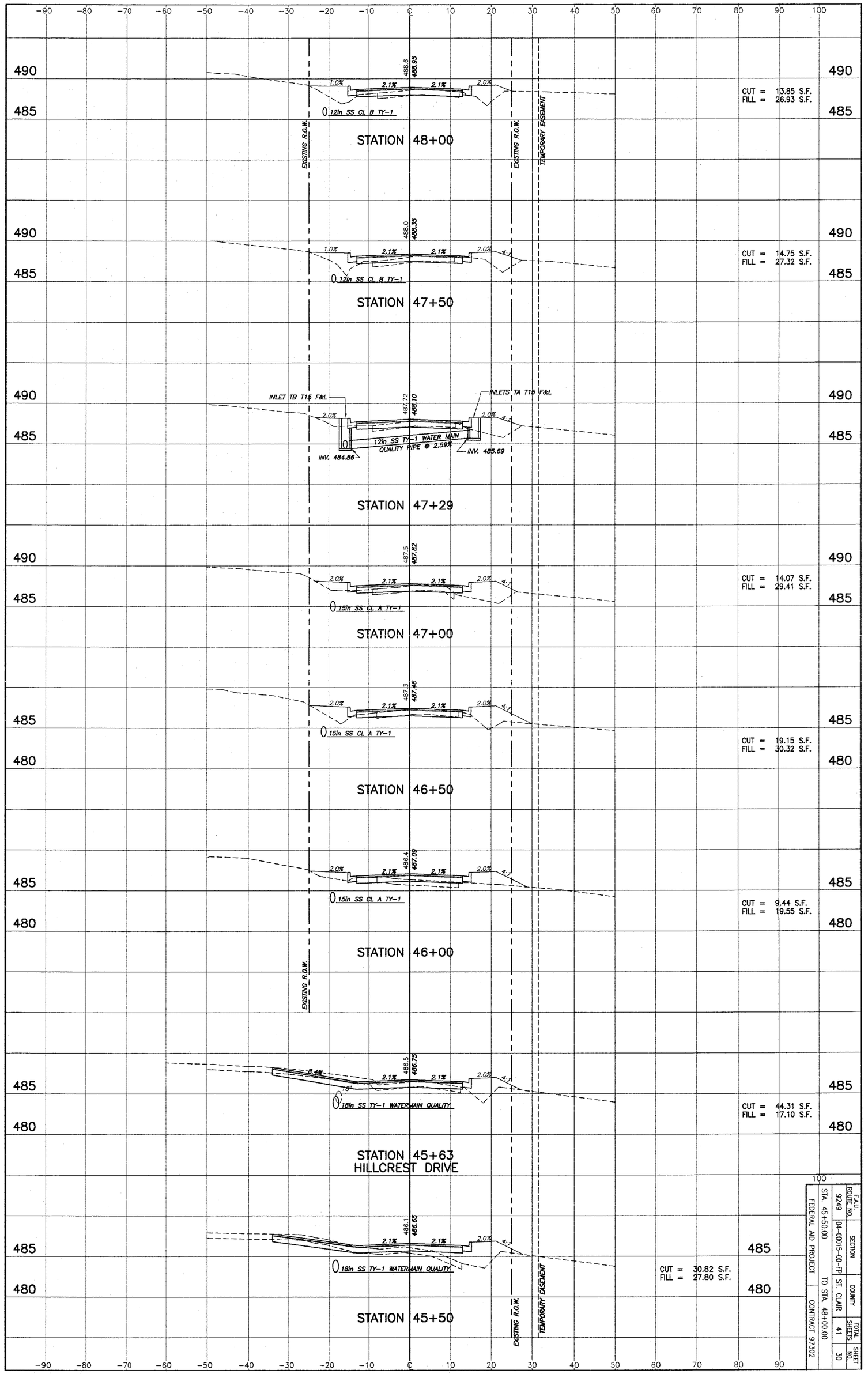
FEDERAL AID PROJECT — STA. 39+50.00 TO STA. 42+15.00 — CONTRACT 97302



F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	29

FEDERAL AID PROJECT — CONTRACT 97302 — STA. 42+50.00 TO STA. 45+34.93

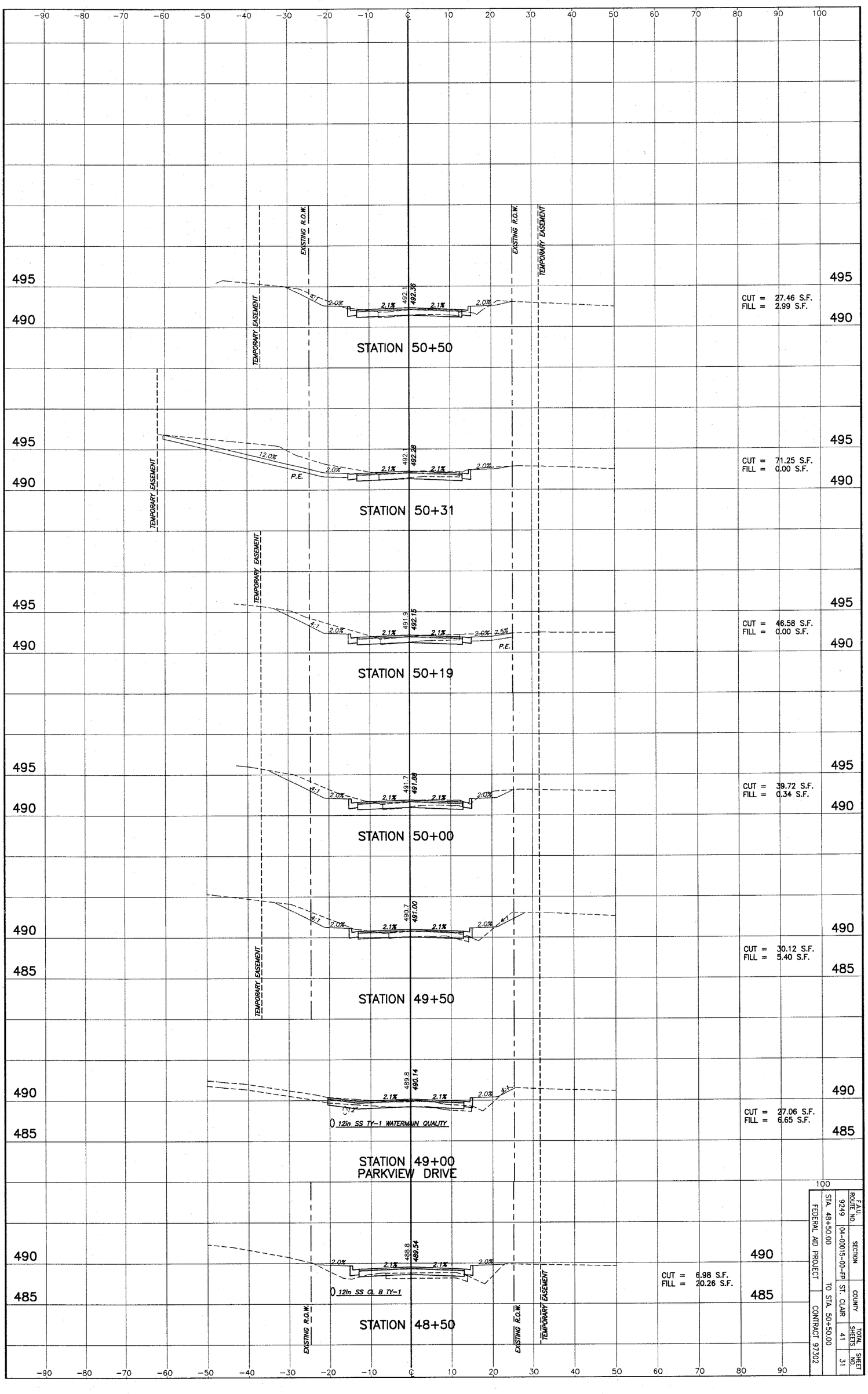
E:\60404 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Sections.dwg, 3/21/2007 8:58:19 AM, Plotted by M.A.L.



F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	30

FEDERAL AID PROJECT — STA. 45+50.00 TO STA. 48+00.00 — CONTRACT 97302

E:\40404 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Sections.dwg, 3/21/2007 9:00:33 AM, Plotted by M.A.L.

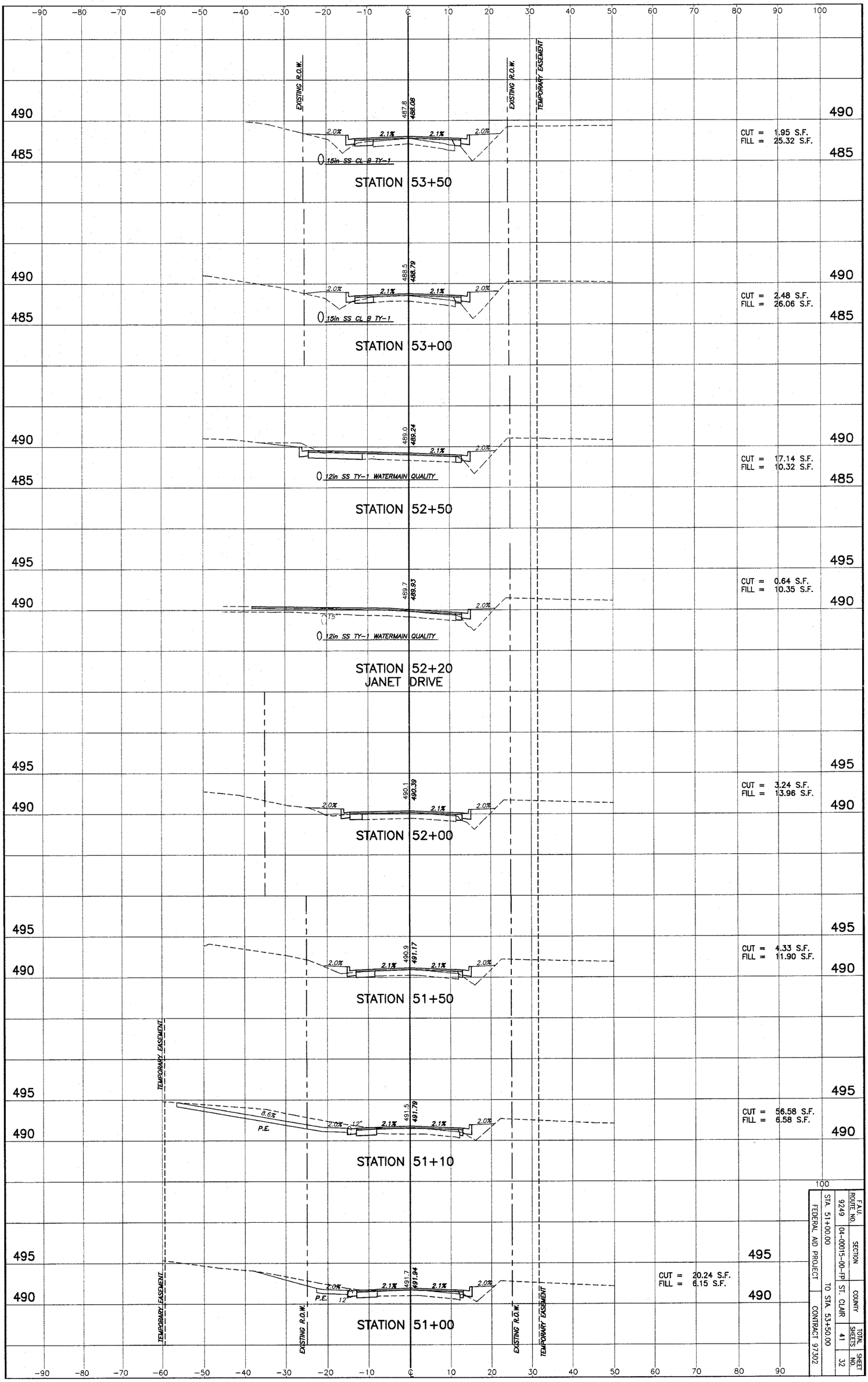


F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	31

FEDERAL AID PROJECT — CONTRACT 97302

STA. 48+50.00 TO STA. 50+50.00

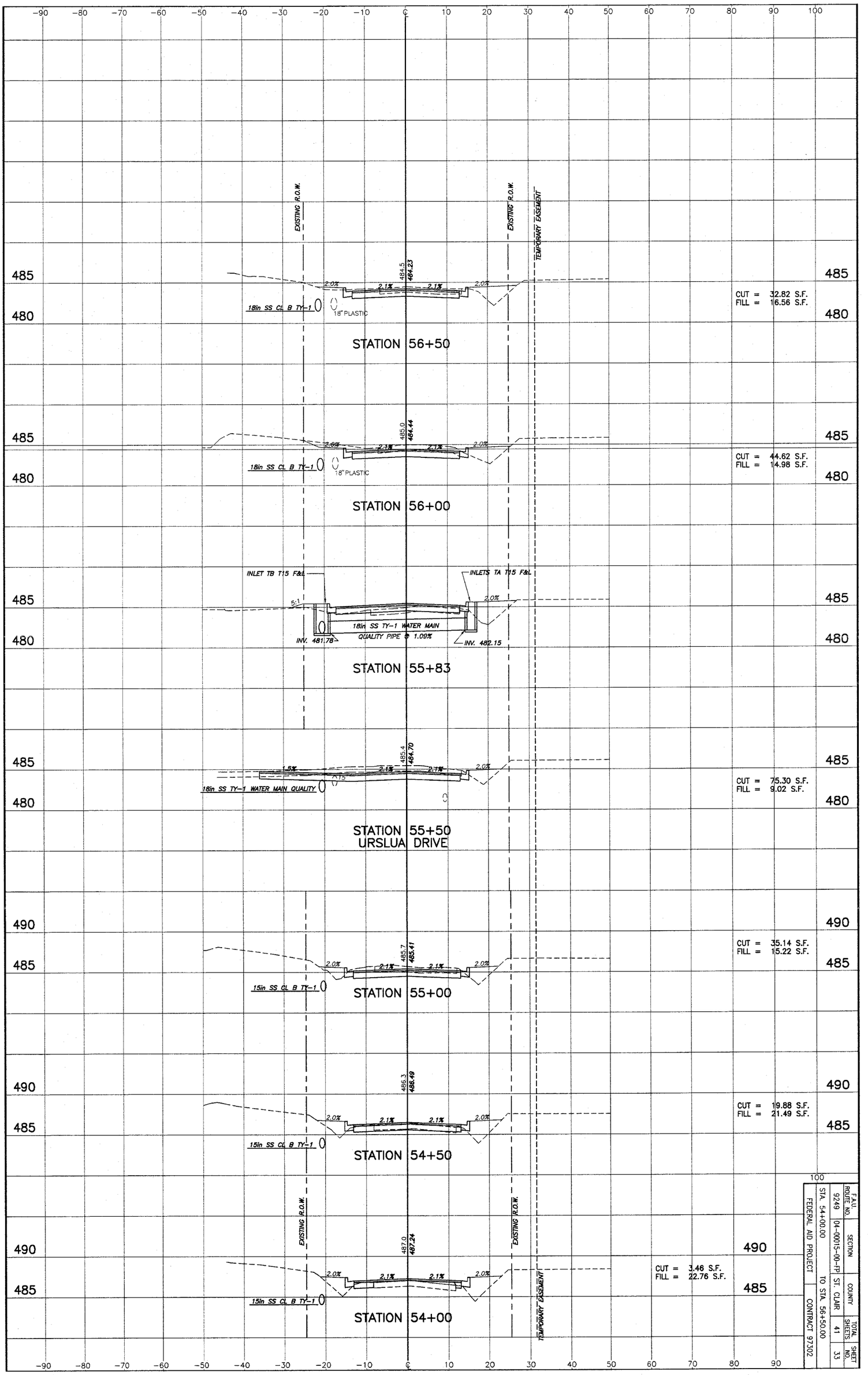
E:\40404 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Sections.dwg, 3/21/2007 9:01:20 AM, Plotted by M.A.L.



F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	32

FEDERAL AID PROJECT — STA. 51+00.00 TO STA. 53+50.00 — CONTRACT 97302

E:\140404 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Sections.dwg, 3/21/2007 9:01:57 AM, Plotted by M.A.L.

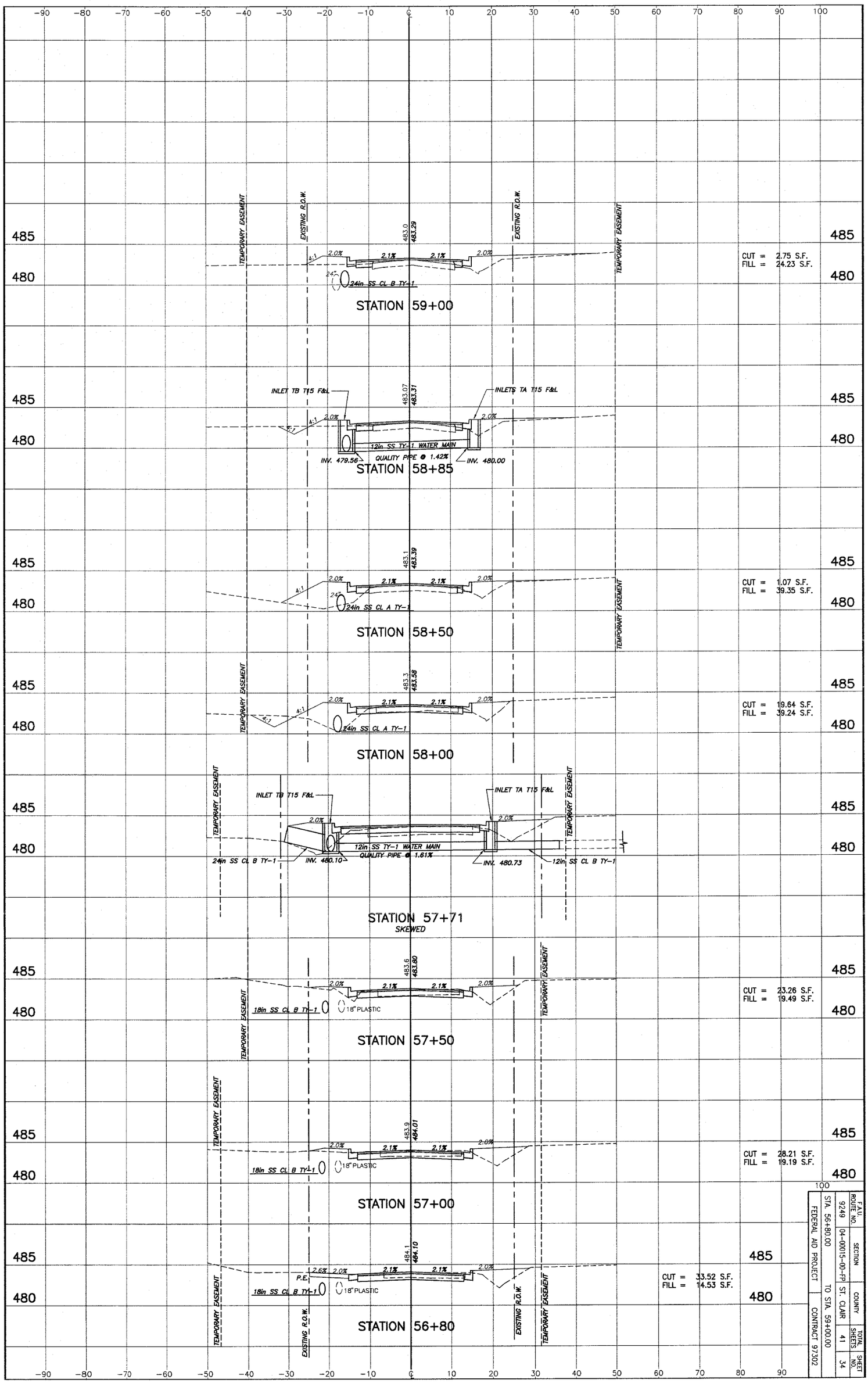


F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	(04-00015-00-FP)	ST. CLAIR	41	33

FEDERAL AID PROJECT — CONTRACT 97302

STA. 54+00.00 TO STA. 56+50.00

E:\60404 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Section.dwg, 3/21/2023 9:06:39 AM, Plotted by M.A.L.

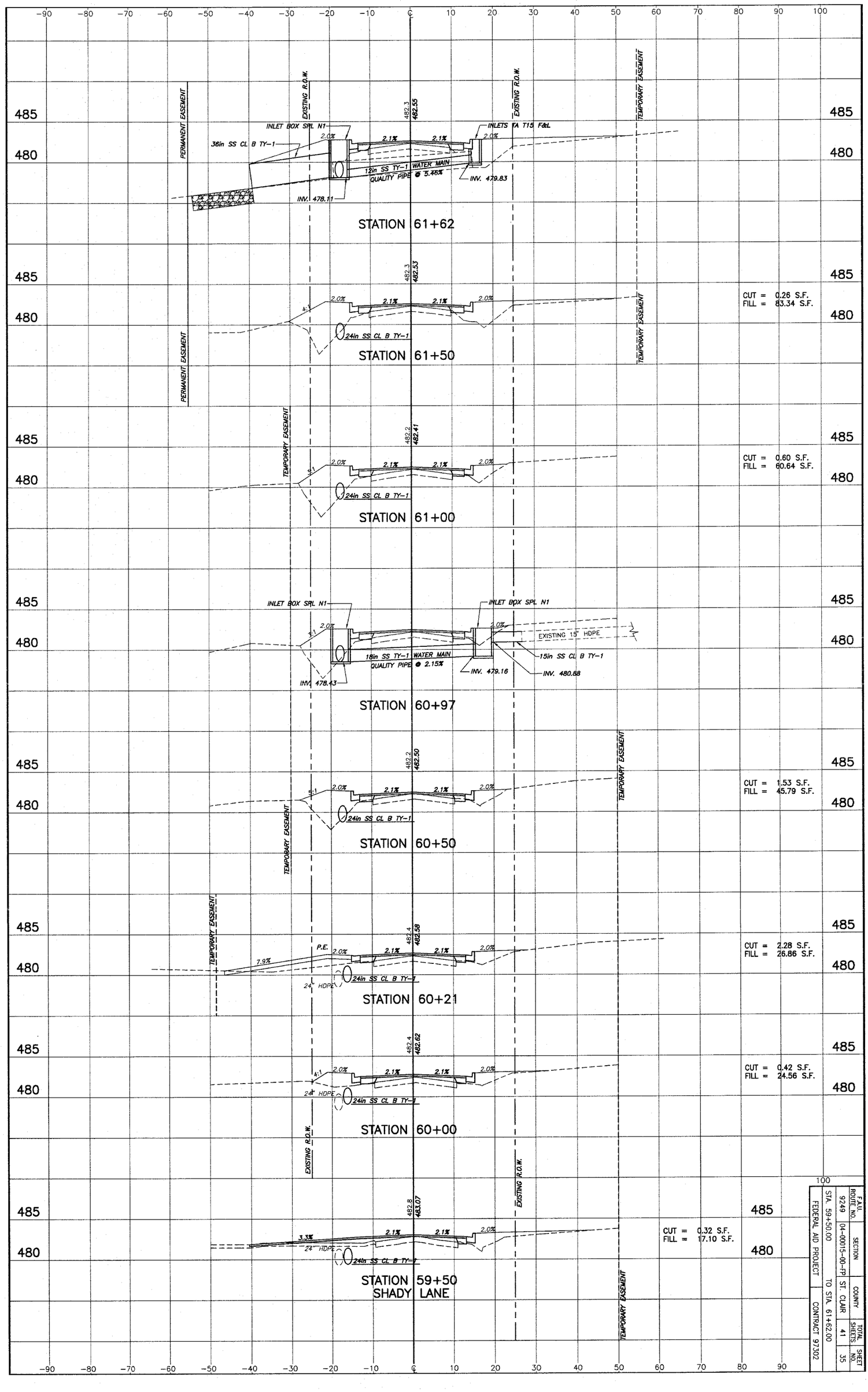


F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	34

FEDERAL AID PROJECT — CONTRACT 97302

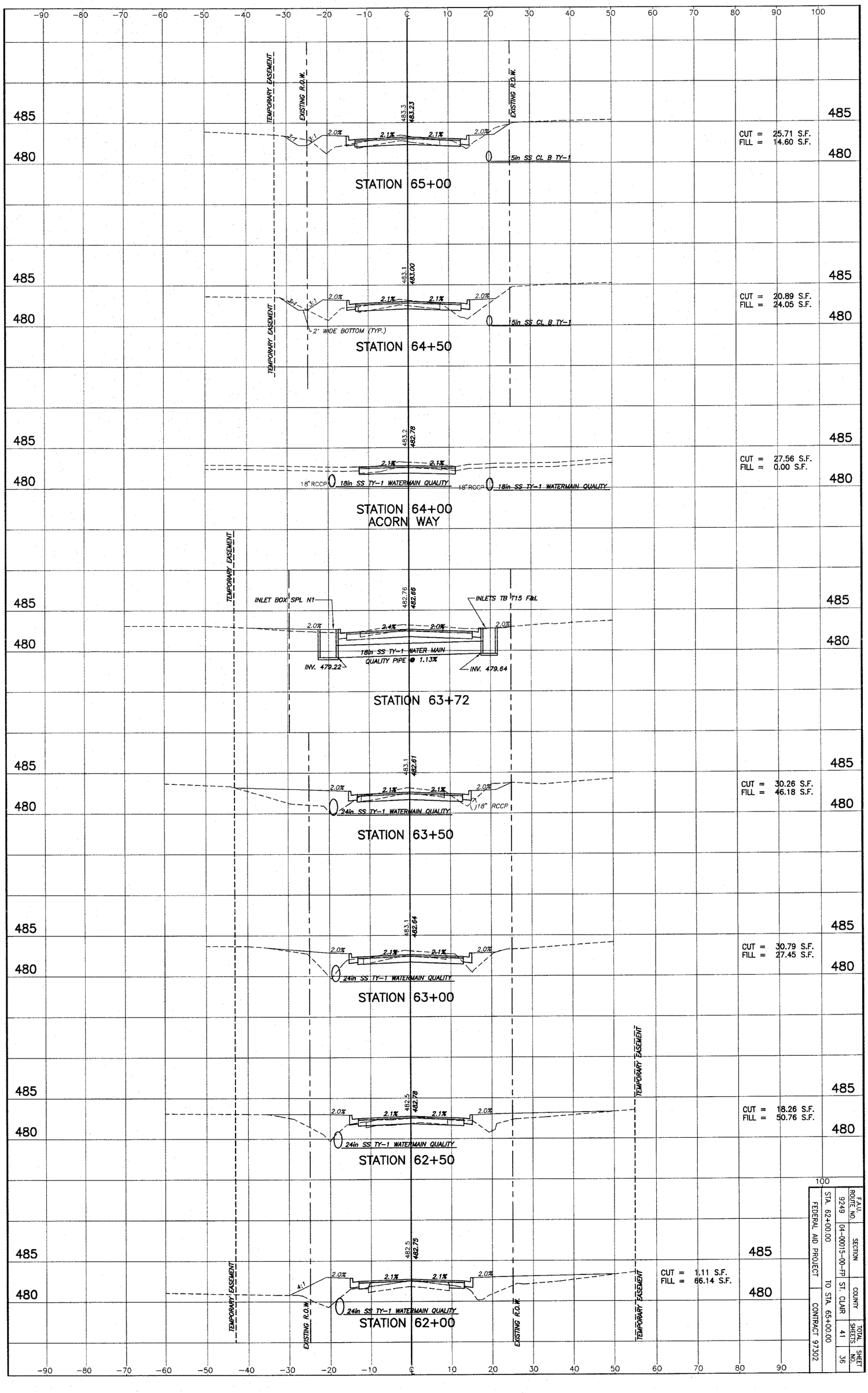
STA. 56+80.00 TO STA. 59+00.00

E:\90404 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Sections.dwg, 3/21/2007 9:08:44 AM, Plotted by M.A.L.



F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	35
FEDERAL AID PROJECT	STA. 59+50.00 TO STA. 61+62.00	CONTRACT 97302		

E:\40404 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Sections.dwg, 3/21/2007 9:09:59 AM, Plotted by M.A.L.

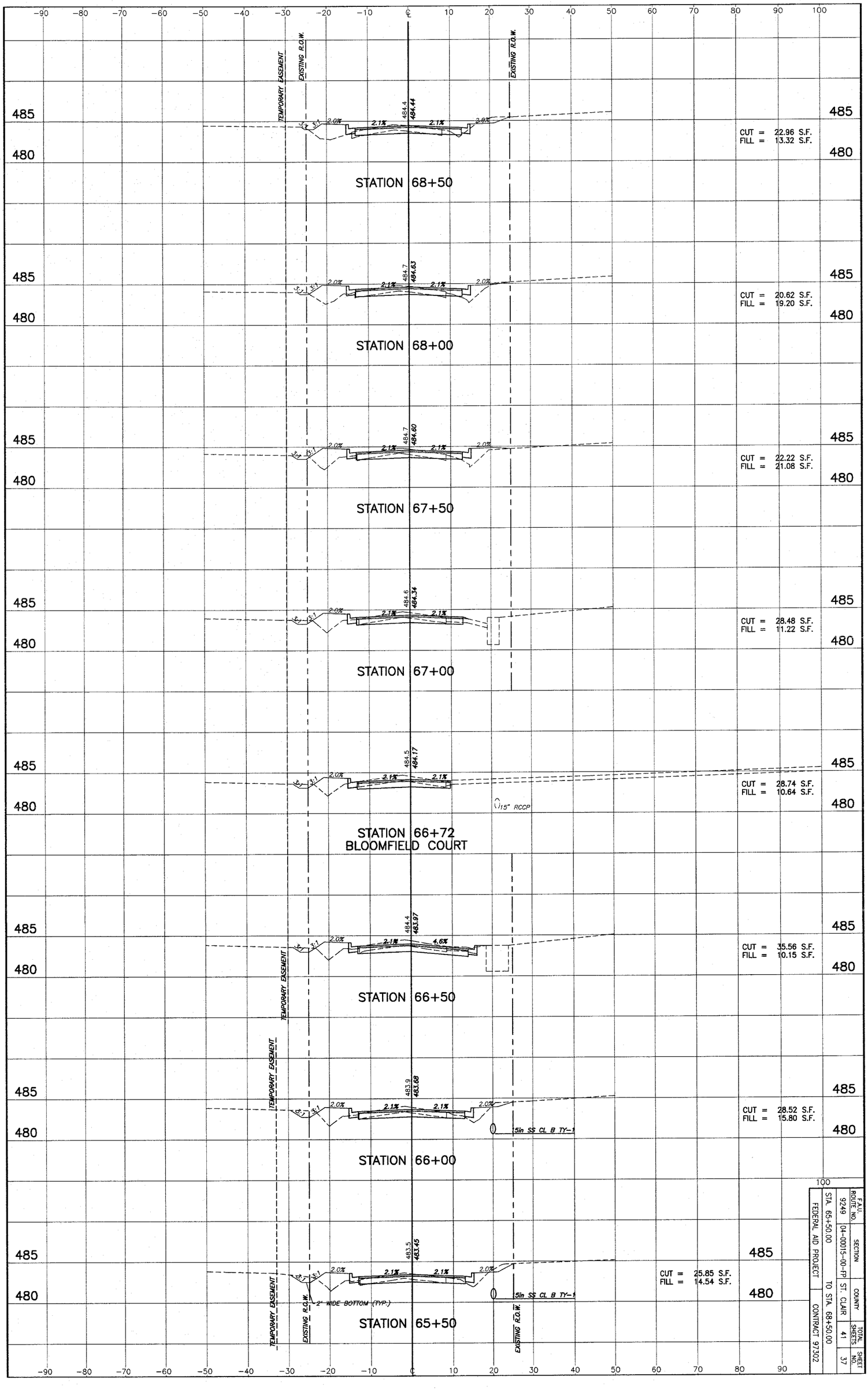


F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	[04-00015-00-FP]	ST. CLAIR	41	36

FEDERAL AID PROJECT — CONTRACT 97302

STA. 62+00.00 TO STA. 65+00.00

E:\40404 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Sections.dwg, 3/21/2007 9:10:29 AM, Plotted by M.A.L.

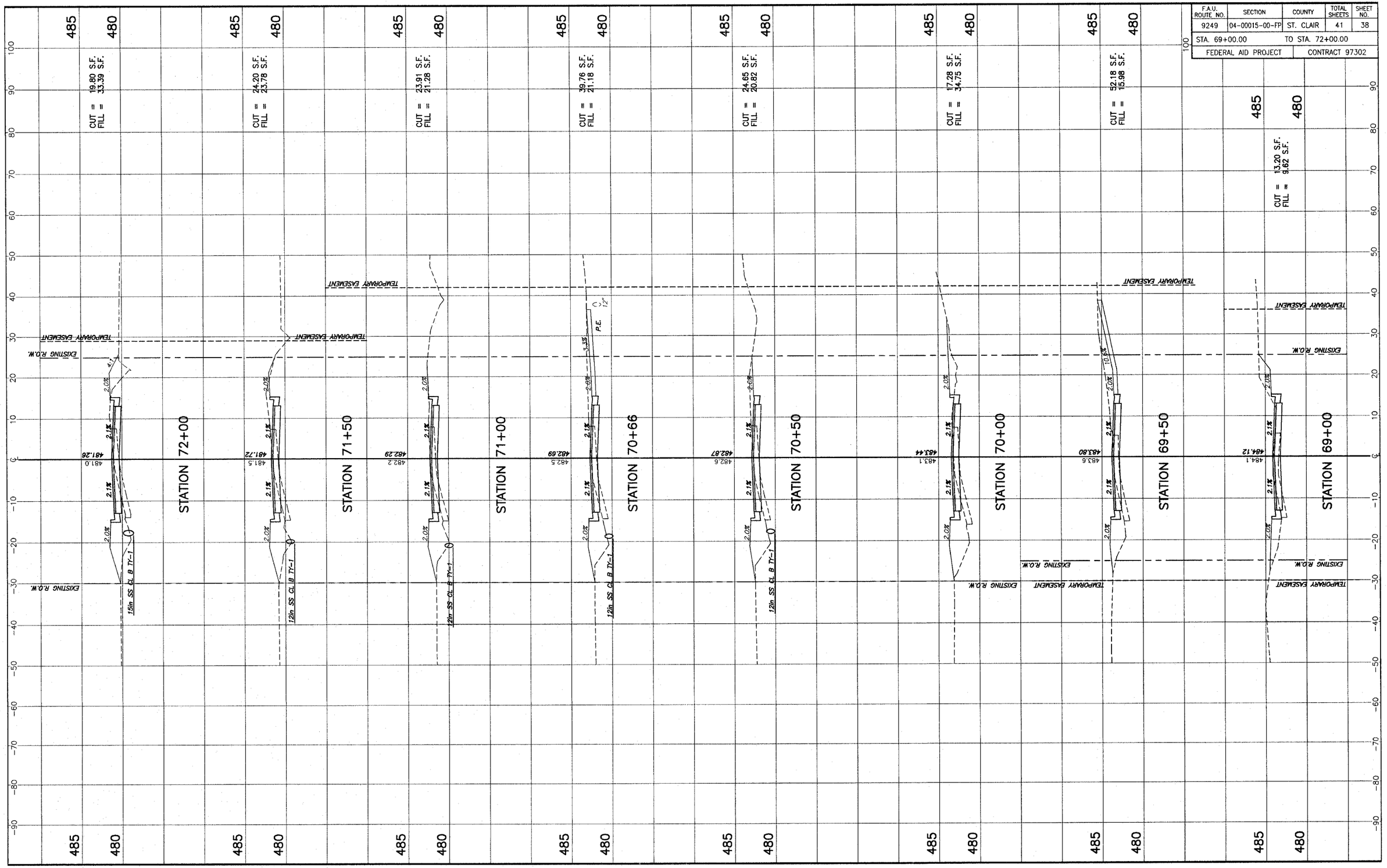


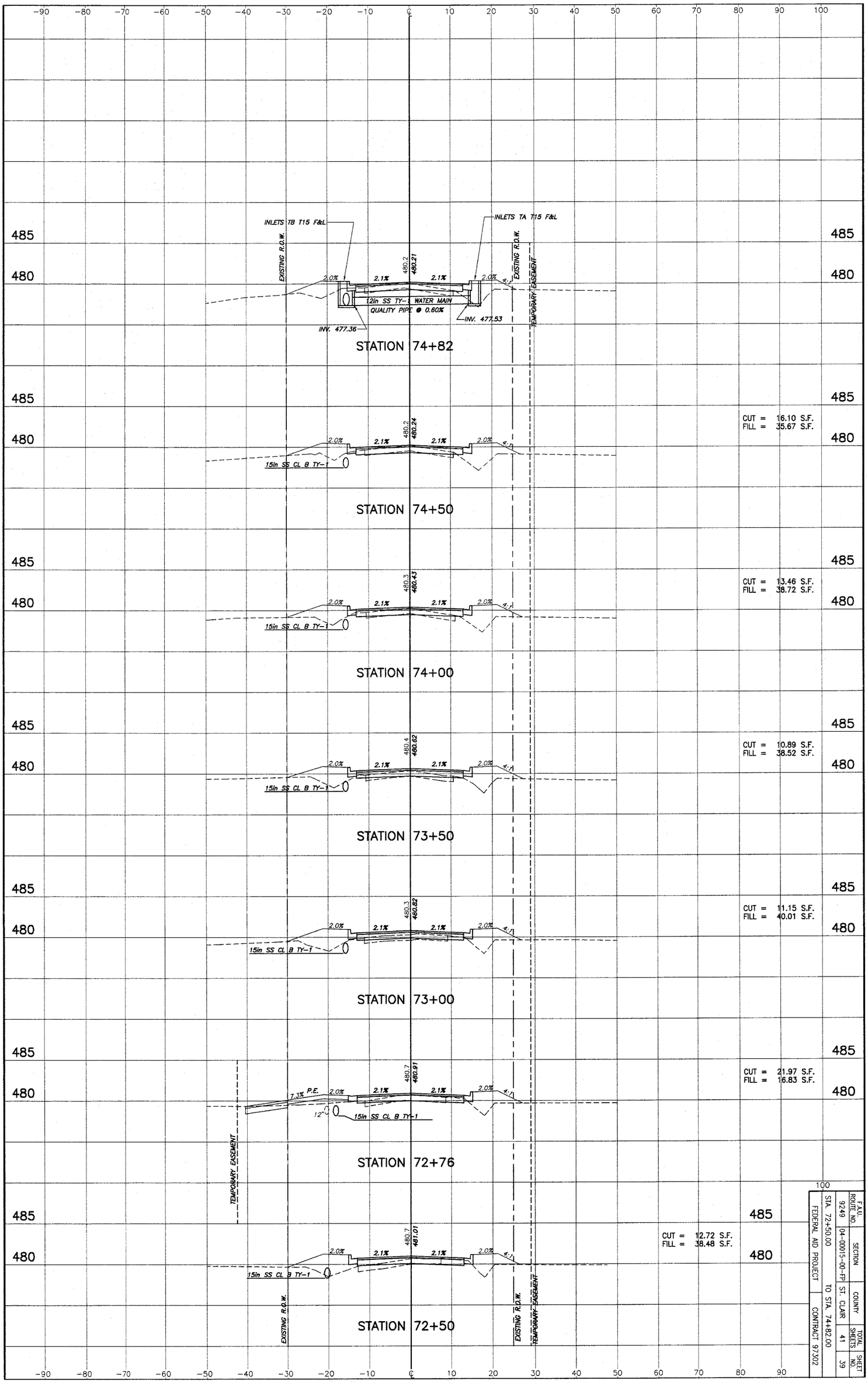
F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-PI	ST. CLAIR	41	37

FEDERAL AID PROJECT — CONTRACT 97302

STA. 65+50.00 TO STA. 68+50.00

F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	38
STA. 69+00.00		TO STA. 72+00.00		
FEDERAL AID PROJECT		CONTRACT 97302		

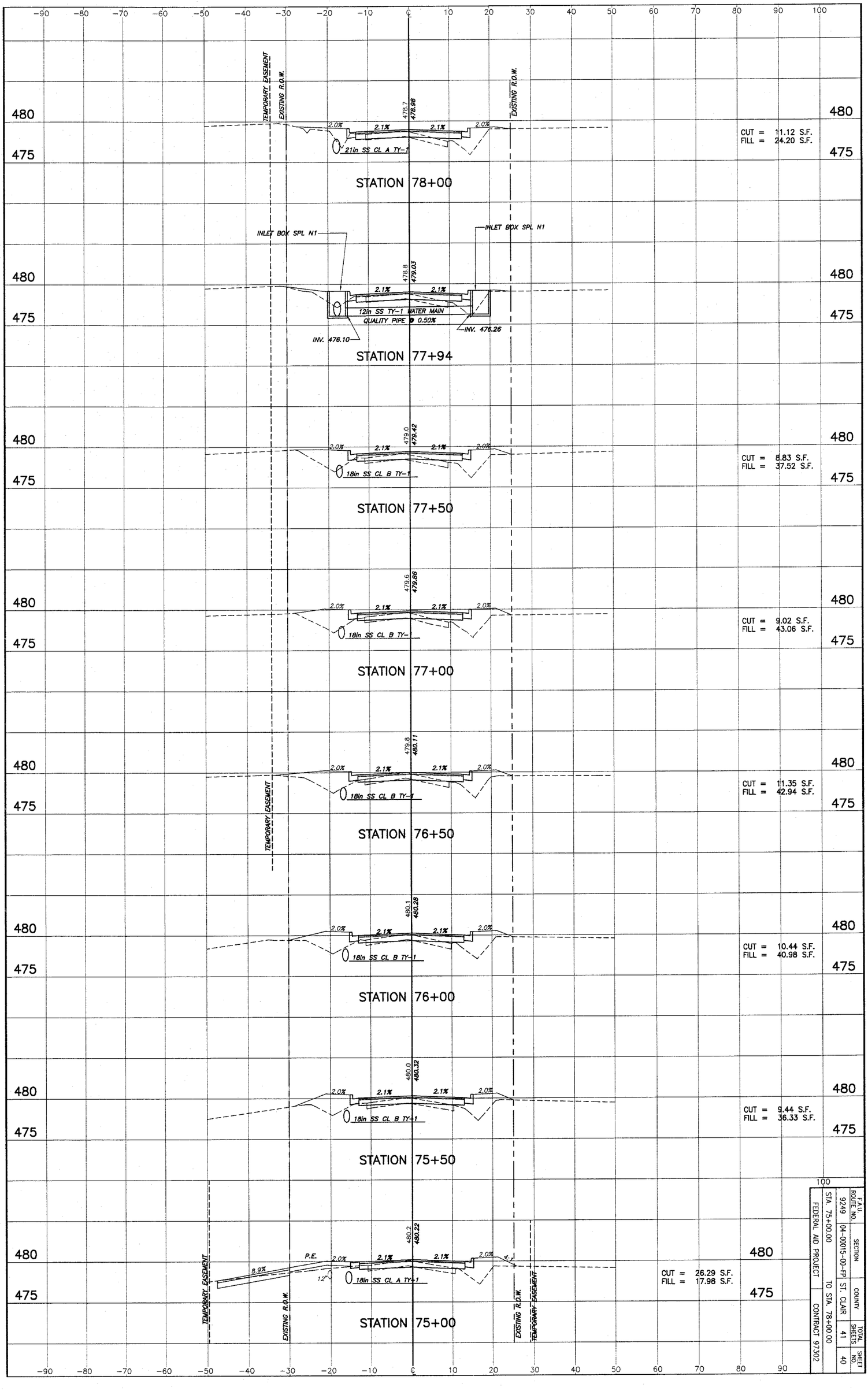




F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	[04-00015-00-FP]	ST. CLAIR	41	39

FEDERAL AID PROJECT — STA. 72+50.00 TO STA. 74+82.00 — CONTRACT 97302

E:\60401 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Sections.dwg, 3/21/2007 9:34:28 AM, Plotted by M.A.L.

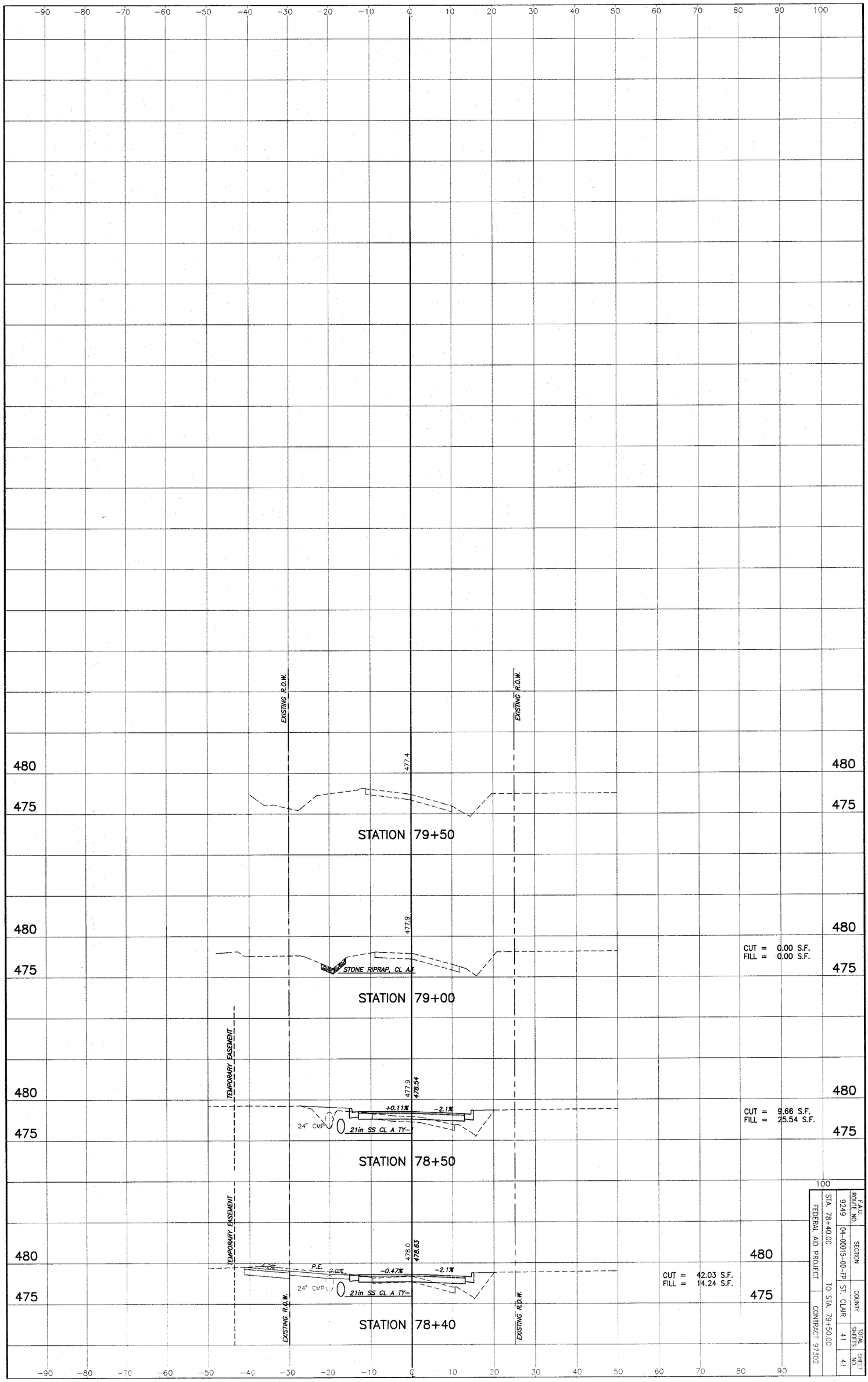


F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	40

FEDERAL AID PROJECT — CONTRACT 97302

STA. 75+00.00 TO STA. 78+00.00

E:\40404 - Lebanon - Monroe St STP Project\dwg\SHEET 24-41_Cross_Sections.dwg, 3/21/2007 9:34:58 AM, Plotted by M.A.L.



F.A.U. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9249	04-00015-00-FP	ST. CLAIR	41	41

FEDERAL AID PROJECT — CONTRACT 97302

STA. 78+40.00 TO STA. 79+50.00