

04-29-2022 LETTING ITEM 191

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED LOCAL AGENCY PROJECT

FAU ROUTE 9166 (WEST HWY 50)
FAU ROUTE 9168 (OLD COLLINSVILLE ROAD)
SECTION 14-00067-00-PV
PROJECT NO. 54WB(918)
CITIES OF O'FALLON & FAIRVIEW HEIGHTS
ST. CLAIR COUNTY
JOB NO. C-98-361-14
CMAQ PROGRAM

FAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9188 9168	14-00067-00-PV	ST. CLAIR	24	1
FEDERAL AID PROJECT			CONTRACT 97779	

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES, HIGHWAY STANDARDS, COMMITMENTS, AND CONTROL POINTS
- 3.-4. SUMMARY OF QUANTITIES
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- 7.-8. CONSTRUCTION SCHEDULES
- 9.-10. ROADWAY PLAN AND PROFILE
11. REMOVAL PLAN
12. PAVEMENT MARKING & SIGNING
- 13.-17. TRAFFIC SIGNAL PLANS
- 18.-20. SIDEWALK DETAILS
- 21.-24. CROSS SECTIONS

SCALES:



WEST HWY 50 (FAU 9166)

ROADWAY DESIGNATION: MINOR ARTERIAL
DESIGN SPEED: 45 M.P.H.

ADT: CURRENT (2020) (W)17,800 (E)21,300
20-YEAR (2040) (W)19,700 (E)23,500
SU = 2.0%

OLD COLLINSVILLE ROAD (FAU 6168)

ROADWAY DESIGNATION: (N) MAJOR COLLECTOR
(S) MINOR ARTERIAL

DESIGN SPEED: 30 M.P.H.
ADT: CURRENT (2020) (N)8,700 (S)12,200
20-YEAR (2040) (N)9,600 (S)13,500
SU = 2.0%



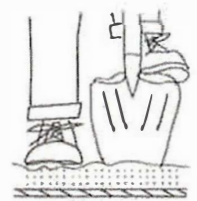
ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED: 2/25/2022 DATE
[Signature]
MAYOR, CITY OF O'FALLON

PASSED: 2/25/2022 DATE
[Signature]
DISTRICT EIGHT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED REVIEW: 2/25/2022 DATE
[Signature]
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

LOCATION MAP
SCALE: 1" = 1200'

	GROSS LENGTH	NET LENGTH
WEST HWY 50: STA. 435+54.26 TO STA. 440+06.78	= 452.52 FT. = 0.088 MILES	452.52 FT. = 0.086 MILES
OLD COLLINSVILLE RD.: STA. 10+31.50 TO STA. 15+87.71	= 556.21 FT. = 0.105 MILES	556.21 FT. = 0.105 MILES
TOTAL	= 1,008.73 FT. = 0.191 MILES	1,008.73 FT. = 0.191 MILES



[Signature]
Date of Exam: 2/25/2022
Date of License Expiration: 4/30/2023



PREPARED BY:
VOLKERT
CONSULTING ENGINEERS • LAND SURVEYORS
CORPORATE OFFICE: 4 INDUSTRIAL DRIVE, FREDERICK, ILLINOIS 62243 (618) 639-3178
REGIONAL OFFICE: 1500 EASTPORT PLAZA DRIVE, COLLINSVILLE, ILLINOIS 62234 (618) 345-8018

Printed by Authority of the State of Illinois
License Expires 11/30/2023
Date: 2/22/2022
THE SEAL SHOWN ABOVE IS VALID FOR THE FOLLOWING SHEETS IN THESE PLANS WHICH WERE PREPARED UNDER MY DIRECT SUPERVISION.
SHEETS 13.17

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	2
FEDERAL AID PROJECT		CONTRACT 97779		

GENERAL NOTES

THE THICKNESS OF THE HOT-MIX ASPHALT 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 ON WHICH THE HOT-MIX ASPHALT IS PLACED.

THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES AND VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS TO ENSURE THAT THESE ITEMS ARE NOT DAMAGED DURING MILLING OPERATIONS.

IF ANY UNSUITABLE MATERIAL IS ENCOUNTERED DURING CONSTRUCTION OPERATIONS, IT WILL BE NECESSARY TO REMOVE THE UNSUITABLE MATERIAL AND REPLACE IT WITH A SUITABLE MATERIAL AS APPROVED BY THE ENGINEER. EXTRA WORK WILL BE PAID FOR PER ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

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

AN ESTIMATED QUANTITY OF 50 TONS OF AGGREGATE FOR TEMPORARY ACCESS HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF MAINTAINING ACCESS TO PRIVATE PROPERTY AND LOCAL TRAFFIC THROUGHOUT CONSTRUCTION OPERATIONS.

THE CITY OF O'FALLON WILL COMPLETE ALL WATER VALVE AND/OR SANITARY SEWER RECONSTRUCTION AND ADJUSTMENTS.

TWO MAILBOXES AND ONE TRAFFIC SIGN (BUS STOP) ARE LOCATED WITHIN THE PROJECT LIMITS AND WILL REQUIRE TEMPORARY RELOCATION PER ARTICLES 107.20 AND 107.25 RESPECTIVELY.

THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR VARIOUS HOT-MIX ASPHALT APPLICATIONS.

AN ESTIMATED 180 TONS OF HOT-MIX ASPHALT MATERIAL WILL BE REMOVED FROM THIS PROJECT DURING MILLING OPERATIONS.

FACTORS USED FOR QUANTITY CALCULATIONS ARE AS FOLLOWS:

PAVING		
ALL HOT-MIX ASPHALT	0.056 TONS/SQ.YD./INCH	
BITUMINOUS MATERIALS (TACK COAT)	0.05 POUNDS/SQ.FT.	
BITUMINOUS MATERIALS (FOG COAT)	0.025 POUNDS/SQ.FT.	
BITUMINOUS MATERIALS (PRIME COAT)	0.25 POUNDS/SQ.FT.	

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S)	SURFACE COURSE	BINDER
AC/PG	PG 64-22	PG 64-22
RAP % (MAX.)	SEE SPECIAL PROVISION	SEE SPECIAL PROVISION
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	IL-9.5	IL-19.0
FRICTION AGG	MIXTURE "D"	N/A
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA

UTILITY TYPE	NAME OF UTILITY	PHONE NUMBER	CONTACT NAME
ELECTRIC	AMEREN IP	314/713-5219	RYAN ALEXANDER
GAS	AMEREN IP	217/454-5018	KEN KELEHER
WATER/SEWER	CITY OF O'FALLON	618/624-4500	HEIDE BELL
TELEPHONE/F.O.	AT&T	618/402-9819	DEAN LITZENBERG
CABLE	CHARTER COMMUNICATIONS	636/387-6633	SUE SHELDON
CABLE	CLEARWAVE COMMUNICATIONS	618/294-8078	ROTH CLAYTON

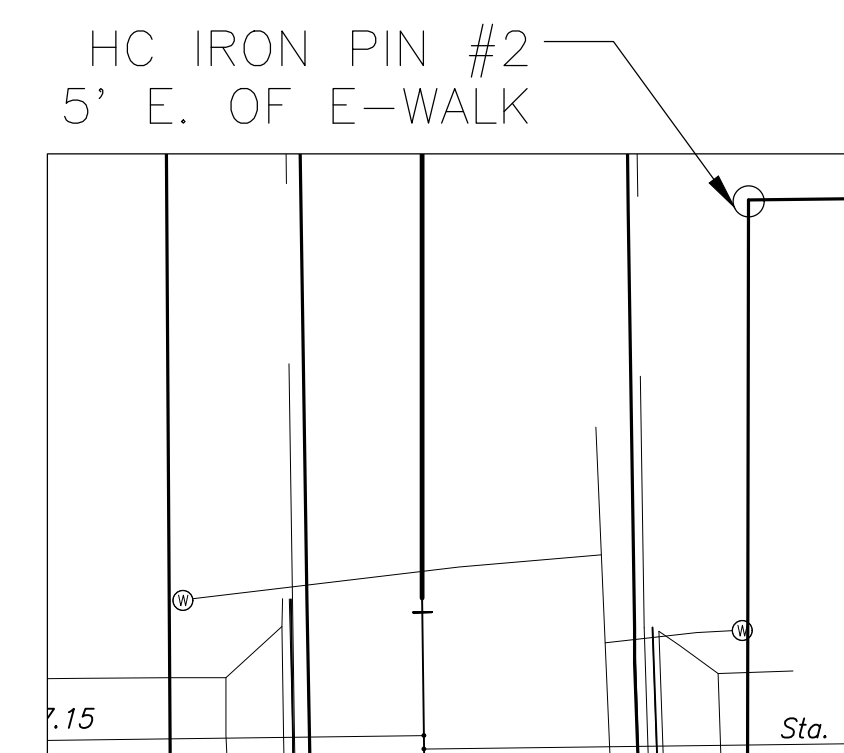
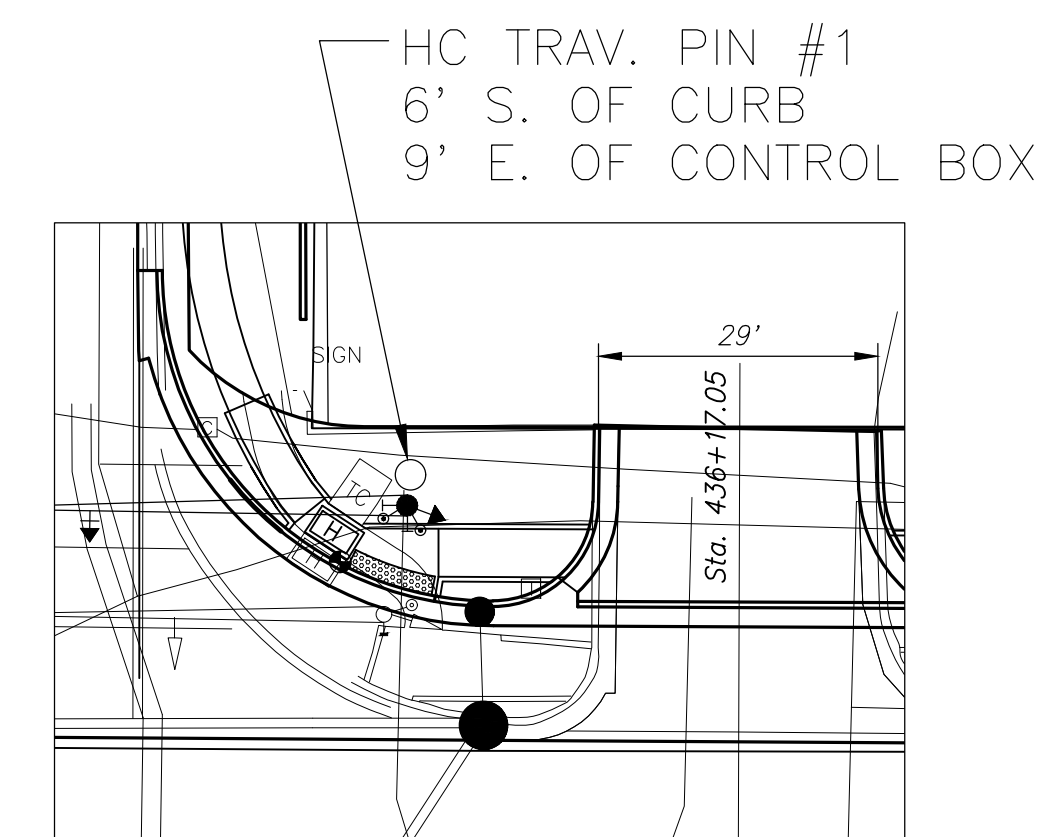
APPLICABLE IDOT HIGHWAY STANDARDS

000001-08	701101-05	814001-03
280001-07	701326-04	814006-03
424001-11	701426-09	857001-01
424011-04	701427-05	873001-02
602301-04	701602-10	876001-04
602306-03	701701-10	877001-08
604001-05	701801-06	878001-11
604006-05	701901-08	880006-01
604036-03	720006-04	886001-01
606001-08	729001-01	886006-01
701006-05	780001-05	

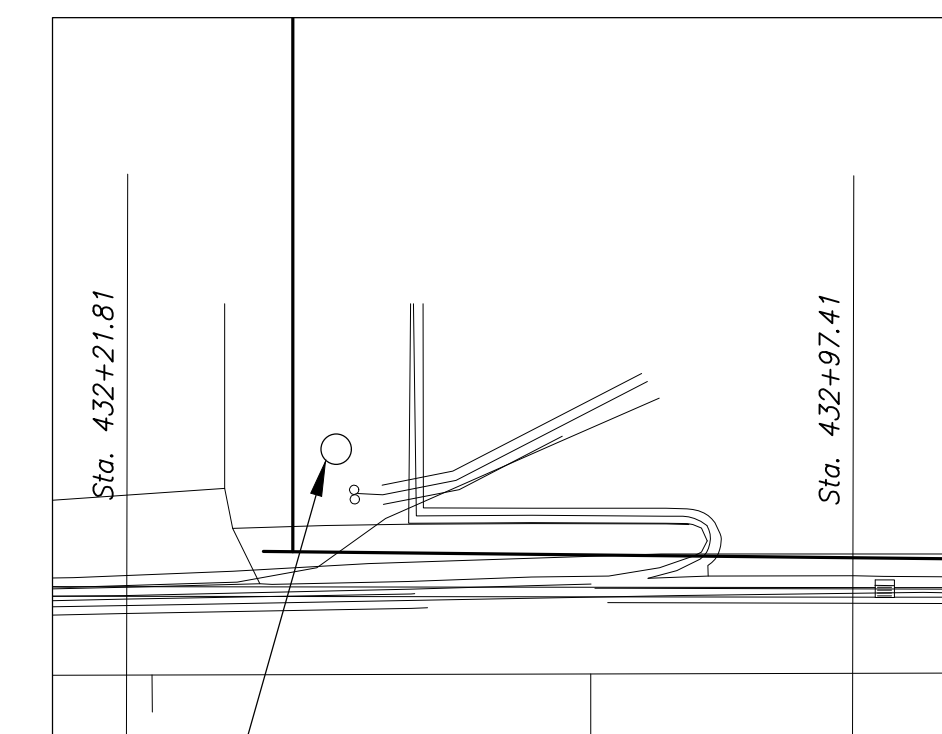
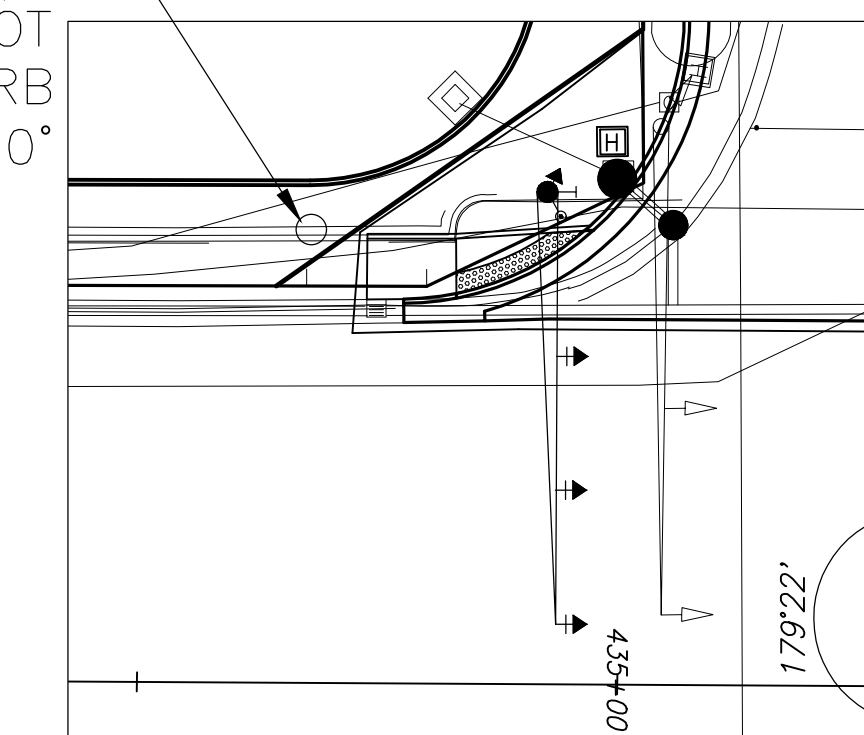
COMMITMENTS

NONE

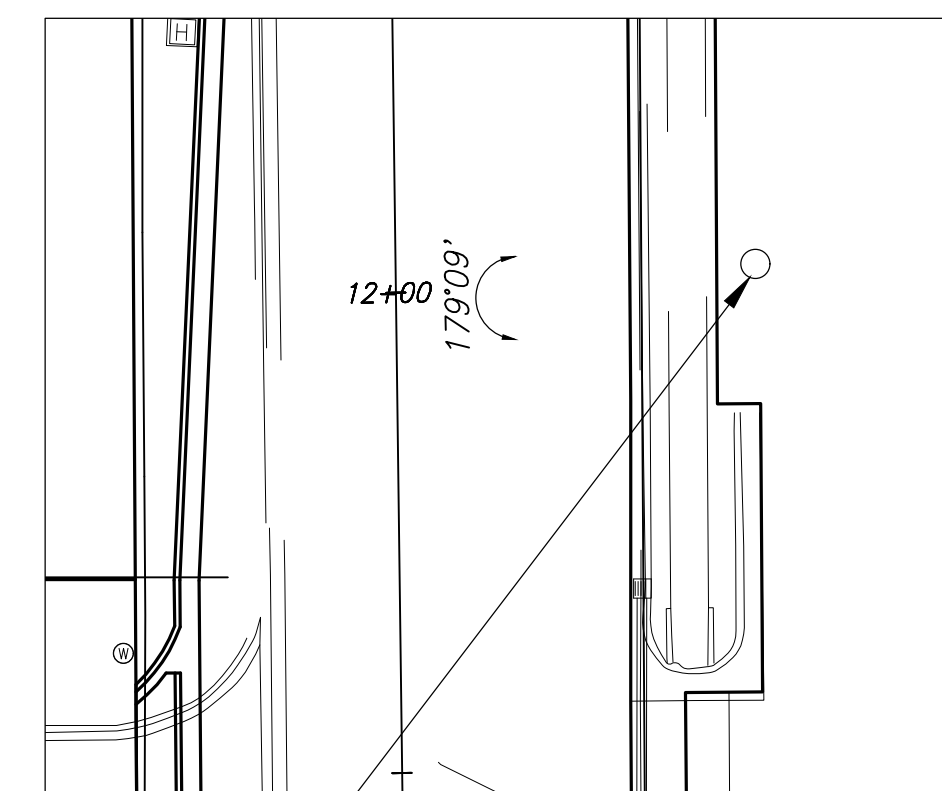
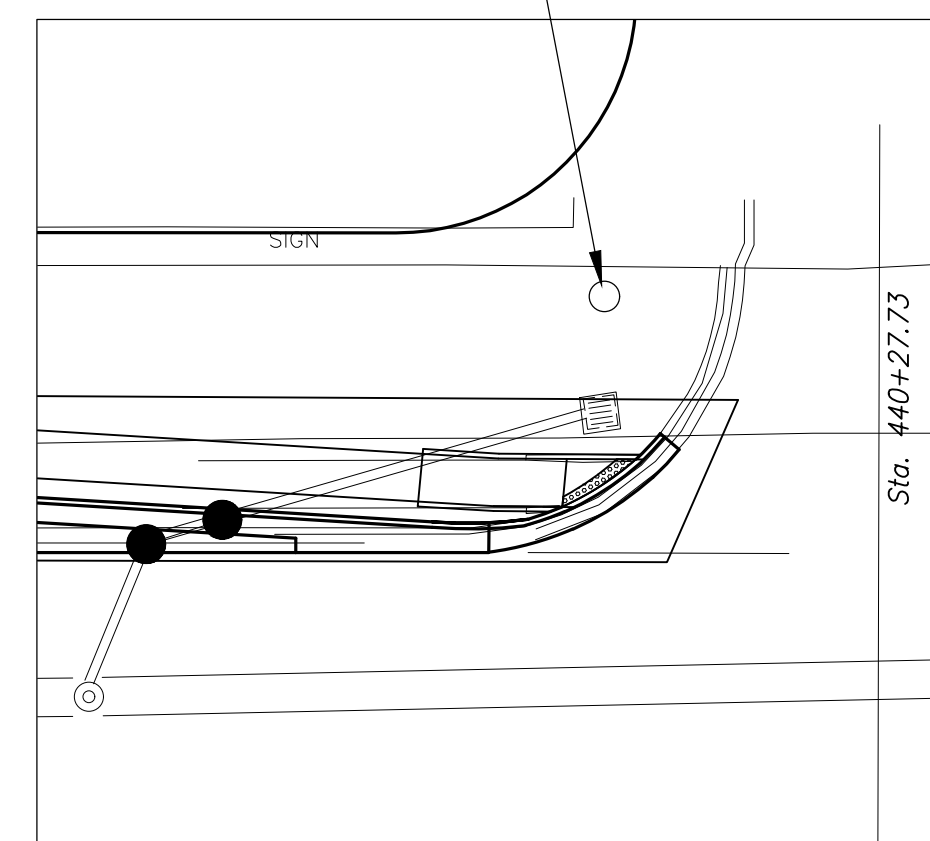
CONTROL POINTS



HC MAG NAIL #3
IN HUCKS CONC. LOT
1' NORTH OF CURB
15' W. OF CURB AT 90°



HC TRAV PIN #5
IN YARD
13' W. OF BACK OF CURB



HC TRAV PIN #12
W. OF CAMERA SHOP
5' E. OF E. WALK
15' N. OF ASPH. PARKING LOT

WEST U.S. 50/OLD COLLINSVILLE
ROAD INTERSECTION
IMPROVEMENTS
ST. CLAIR COUNTY, ILLINOIS

Engineer: Volkert, Inc.
1500 Eastport Plaza Drive, Suite 200
Collinsville, Illinois 62234

DRAWN BY:
PROJECT ENGINEER:
APPROVED BY:

GENERAL NOTES,
HIGHWAY STANDARDS,
COMMITMENTS, AND
CONTROL POINTS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9168 9168	14-00067-00-PV	ST. CLAIR	24	3
FEDERAL AID PROJECT			CONTRACT 97779	

SUMMARY OF QUANTITIES

CODE	PAY ITEM	UNIT QUANTITY	TOTAL	ROADWAY	TRAFFIC SIGNALS
20200100	EARTH EXCAVATION	CU YD	752	752	
25000100	SEEDING, CLASS 1	ACRE	0.25	0.25	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	10	10	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	10	10	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	10	10	
25100105	MULCH, METHOD 1	ACRE	0.25	0.25	
28000500	INLET AND PIPE PROTECTION	EACH	6	6	
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	695	695	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	50	50	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1,455	1,455	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,298	1,298	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	720	720	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70	TON	371	371	
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "D", N70	TON	242	242	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	14	14	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	191	191	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH	SQ FT	2,072	2,072	
42400800	DETECTABLE WARNINGS	SQ FT	54	54	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1½"	SQ YD	2,238	2,238	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	350	350	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	906	906	
44000600	SIDEWALK REMOVAL	SQ FT	1,956	1,956	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	44	44	
55100500	STORM SEWER REMOVAL 12"	FOOT	16	16	
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	3	3	
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1	
60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	2	2	

Δ SPECIALTY ITEMS

CODE	PAY ITEM	UNIT QUANTITY	TOTAL	ROADWAY	TRAFFIC SIGNALS
60240320	INLETS, TYPE B, TYPE 15 FRAME AND LID	EACH	1	1	
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	3	3	
60500060	REMOVING INLETS	EACH	4	4	
60600605	CONCRETE CURB, TYPE B	FOOT	50	50	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	17	17	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,065	1,065	
60605300	COMBINATION CONCRETE CURB AND GUTTER, TY B-6.24 (MODIFIED)	FOOT	27	27	
Δ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	390	390	
Δ 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2	
Δ 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
Δ 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
Δ 66901006	REGULATED SUBSTANCES MONITORING	CAL DAY	4	4	
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70300100	SHORT TERM PAVEMENT MARKING	FOOT	132	132	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,327	1,327	
70306100	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS -- TYPE III TAPE	SQ FT	93.6	93.6	
70306120	TEMPORARY PAVEMENT MARKING -- LINE 4" -- TYPE III TAPE	FOOT	2,339	2,339	
70306160	TEMPORARY PAVEMENT MARKING -- LINE 12" -- TYPE III TAPE	FOOT	312	312	
70306210	TEMPORARY PAVEMENT MARKING -- LINE 24" -- TYPE III TAPE	FOOT	49	49	
Δ 72000100	SIGN PANEL -- TYPE 1	SQ FT	16.25	4	12.25
Δ 72400710	RELOCATE SIGN PANEL -- TYPE 1	FOOT	12.5		12.5
Δ 72900100	METAL POST -- TYPE A	FOOT	12.5	12.5	
Δ 78000100	THERMOPLASTIC PAVEMENT MARKING -- LETTERS AND SYMBOLS	SQ FT	93.6	93.6	
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING -- LINE 4"	FOOT	2,339	2,339	
Δ 78000600	THERMOPLASTIC PAVEMENT MARKING -- LINE 12"	FOOT	312	312	
Δ 78000650	THERMOPLASTIC PAVEMENT MARKING -- LINE 24"	FOOT	49	49	
Δ 78001110	PAINT PAVEMENT MARKING -- LINE 4"	FOOT	100	100	

WEST U.S. 50/OLD COLLINSVILLE
ROAD INTERSECTION
IMPROVEMENTS
ST. CLAIR COUNTY, ILLINOIS

VOLKERT

Engineer: Volkert, Inc.
1500 Eastport Plaza Drive, Suite 200
Collinsville, Illinois 62234

DRAWN BY:
PROJECT ENGINEER:
APPROVED BY:

**SUMMARY
OF QUANTITIES**


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	4
FEDERAL AID PROJECT			CONTRACT 97779	

SUMMARY OF QUANTITIES

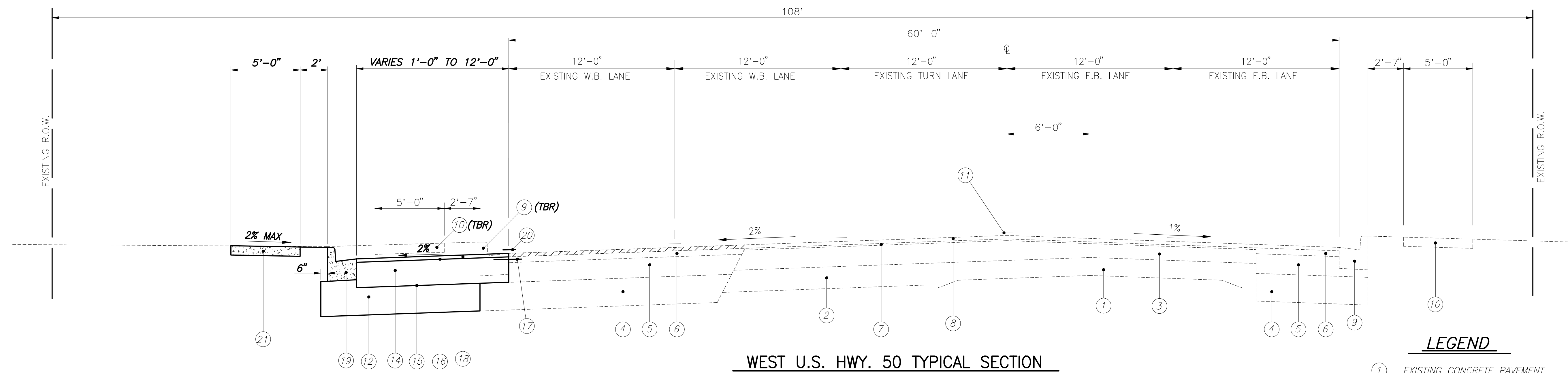
CODE	PAY ITEM	UNIT QUANTITY	TOTAL	ROADWAY	TRAFFIC SIGNALS
Δ 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA	FOOT	75		75
Δ 81028330	UNDERGROUND CONDUIT, PVC, 1 1/4" DIA	FOOT	90		90
Δ 81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA	FOOT	532		532
Δ 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA	FOOT	28		28
Δ 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA	FOOT	19		19
Δ 81028390	UNDERGROUND CONDUIT, PVC, 4" DIA	FOOT	9		9
Δ 81028400	UNDERGROUND CONDUIT, PVC, 5" DIA	FOOT	8		8
Δ 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	214		214
Δ 87301235	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	223		223
Δ 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	811		811
Δ 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	456		456
Δ 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1831		1831
Δ 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	140		140
Δ 87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT	EACH	2		2
Δ 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8		8
Δ 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26		26
Δ 87900200	DRILL EXISTING HANDHOLE	EACH	6		6
Δ 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2
Δ 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5		5
Δ 88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3		3
Δ 88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3		3
Δ 88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	8		8
Δ 88600100	DETECTOR LOOP, TYPE 1	FOOT	1462		1462
Δ 88800100	PEDESTRIAN PUSH-BUTTON	EACH	3		3
Δ 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1
Δ 89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1		1
Δ 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	2760		2760
Δ 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2		2

Δ SPECIALTY ITEMS

CODE	PAY ITEM	UNIT QUANTITY	TOTAL	ROADWAY	TRAFFIC SIGNALS
Δ 89502380	REMOVE EXISTING HANDHOLE	EACH	1		1
Δ 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1		1
Δ 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2		2
Δ X1400423	REMOVE EXISTING PEDESTRIAN PUSH BUTTON	EACH	1		1
X1700066	POTHOLING	EACH	5	5	
X4404000	PARKING LOT PAVEMENT REMOVAL	SQ YD	81	81	
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	0.5	0.5
Δ X8100863	INTERCEPT EXISTING CONDUIT	EACH	1		1
Δ X8760201	PEDESTRIAN PUSH-BUTTON POST	EACH	2		2
Δ X8812815	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED, SPECIAL	EACH	3		3
Δ X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	1		1
Δ X8950305	REMOVE EXISTING SIGNAL HEAD	EACH	8		8
Δ X8950307	REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	1		1

WEST U.S. 50/OLD COLLINSVILLE ROAD INTERSECTION IMPROVEMENTS ST. CLAIR COUNTY, ILLINOIS	
	
Engineer: Volkert, Inc. 1500 Eastport Plaza Drive, Suite 200 Collinsville, Illinois 62234	
DRAWN BY: PROJECT ENGINEER: APPROVED BY:	SUMMARY OF QUANTITIES

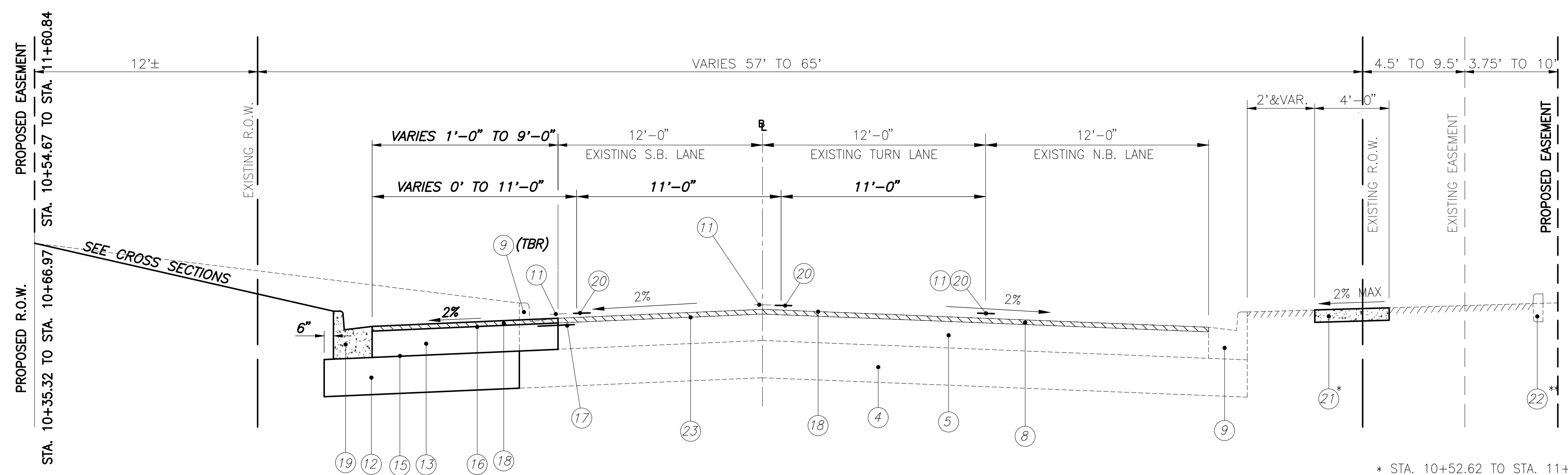
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	5
FEDERAL AID PROJECT		CONTRACT 97779		



WEST U.S. HWY. 50 TYPICAL SECTION
STA. 435+54.26 TO STA. 440+06.78
 N.T.S.

LEGEND

- ① EXISTING CONCRETE PAVEMENT
- ② EXISTING BITUMINOUS BASE COURSE
- ③ EXISTING BITUMINOUS SURFACE
- ④ EXISTING LIME MODIFIED SOIL, 12"
- ⑤ EXISTING BITUMINOUS BASE COURSE, 8½"
- ⑥ EXISTING BITUMINOUS CONCRETE BINDER COURSE, TYPE 2, 2½"
- ⑦ EXISTING LEVELING BINDER, ¾"
- ⑧ EXISTING HOT-MIX ASPHALT SURFACE COURSE, 1½"
- ⑨ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑩ EXISTING P.C.C. SIDEWALK
- ⑪ EXISTING THERMOPLASTIC PAVEMENT MARKING
- ⑫ SUBBASE GRANULAR MATERIAL, TYPE A 12"
- ⑬ HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 8½"
- ⑭ HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 11"
- ⑮ BITUMINOUS MATERIALS (PRIME COAT)
- ⑯ BITUMINOUS MATERIALS (TACK COAT)
- ⑰ LONGITUDINAL JOINT SEALANT
- ⑱ HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "D", N70, 1½"
- ⑲ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑳ THERMOPLASTIC PAVEMENT MARKING
- ㉑ P.C.C. SIDEWALK, 4"
- ㉒ CONCRETE CURB, TYPE B
- ㉓ HOT-MIX ASPHALT SURFACE REMOVAL, 1½"



OLD COLLINSVILLE ROAD TYPICAL SECTION
STA. 10+31.50 TO STA. 13+25.20
 N.T.S.

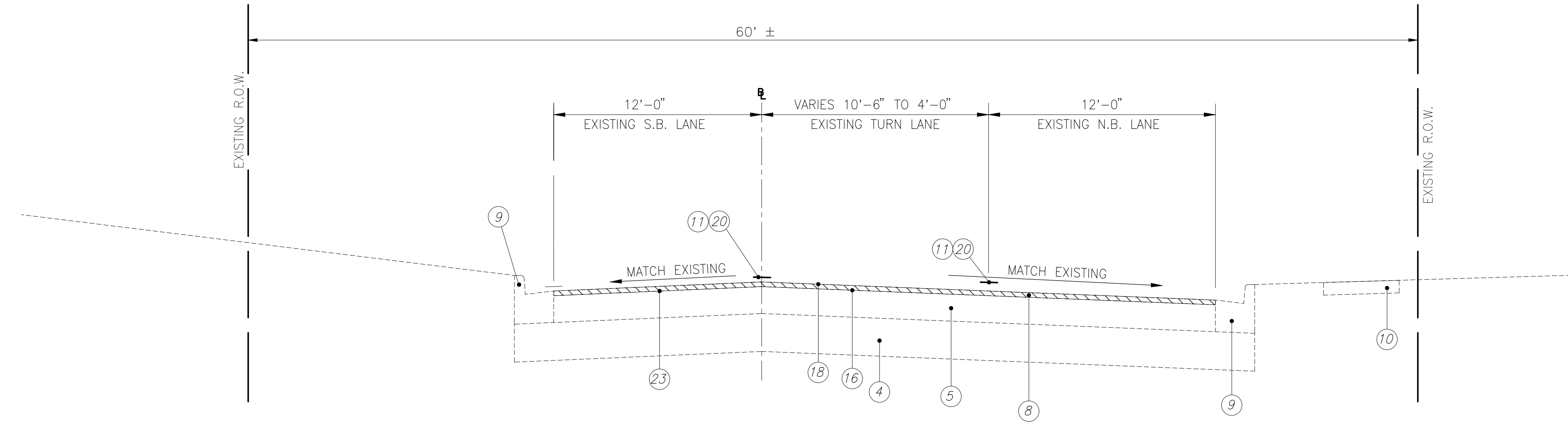
* STA. 10+52.62 TO STA. 11+18.67
 ** STA. 10+76.80 TO STA. 11+19.37

WEST U.S. 50/OLD COLLINSVILLE ROAD INTERSECTION IMPROVEMENTS ST. CLAIR COUNTY, ILLINOIS	
<small>Engineer: Volkert, Inc. 1500 Eastport Plaza Drive, Suite 200 Collinsville, Illinois 62234</small>	
<small>DRAWN BY: PROJECT ENGINEER: APPROVED BY:</small>	PROPOSED TYPICAL SECTIONS & ENTRANCE DETAILS

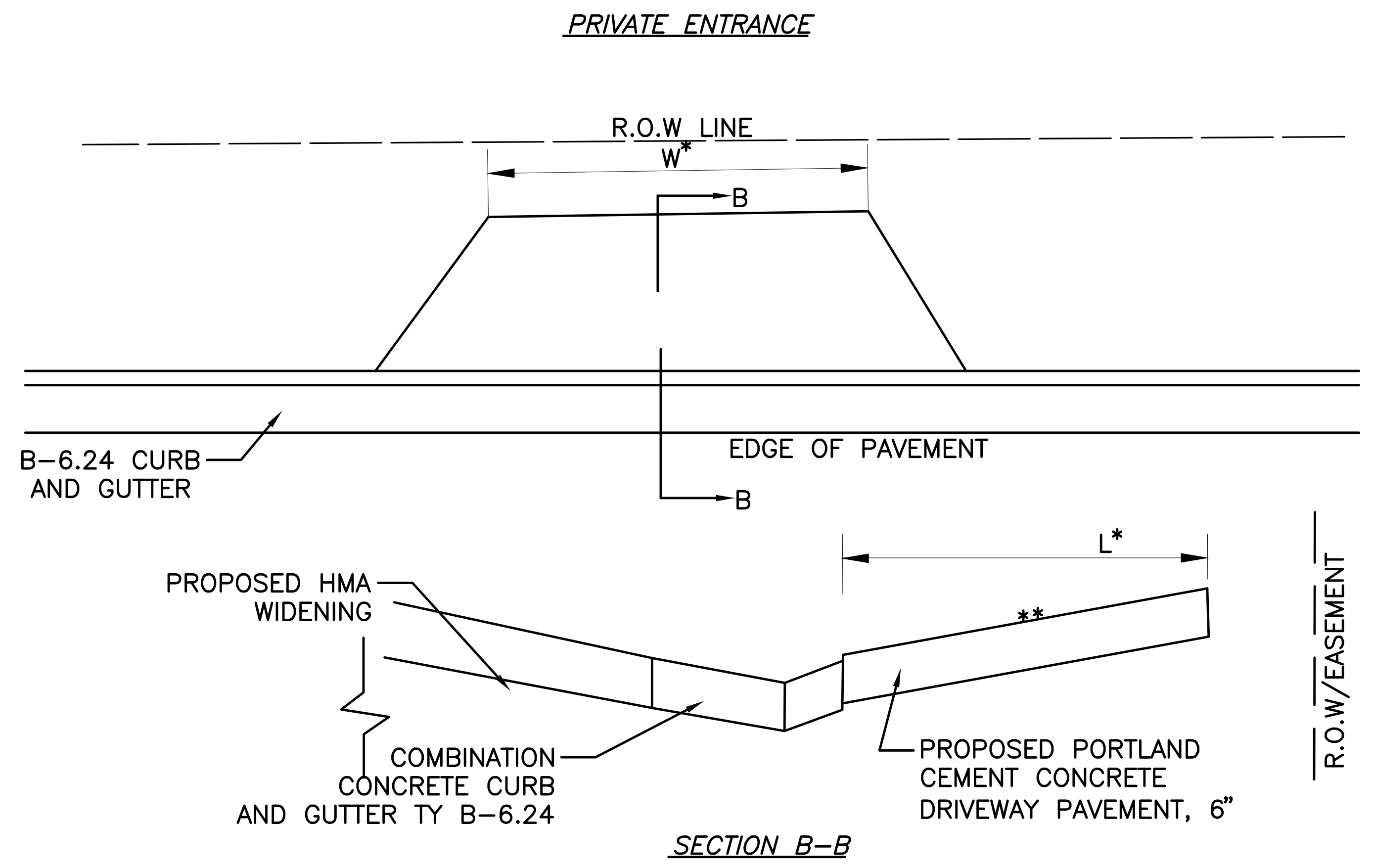
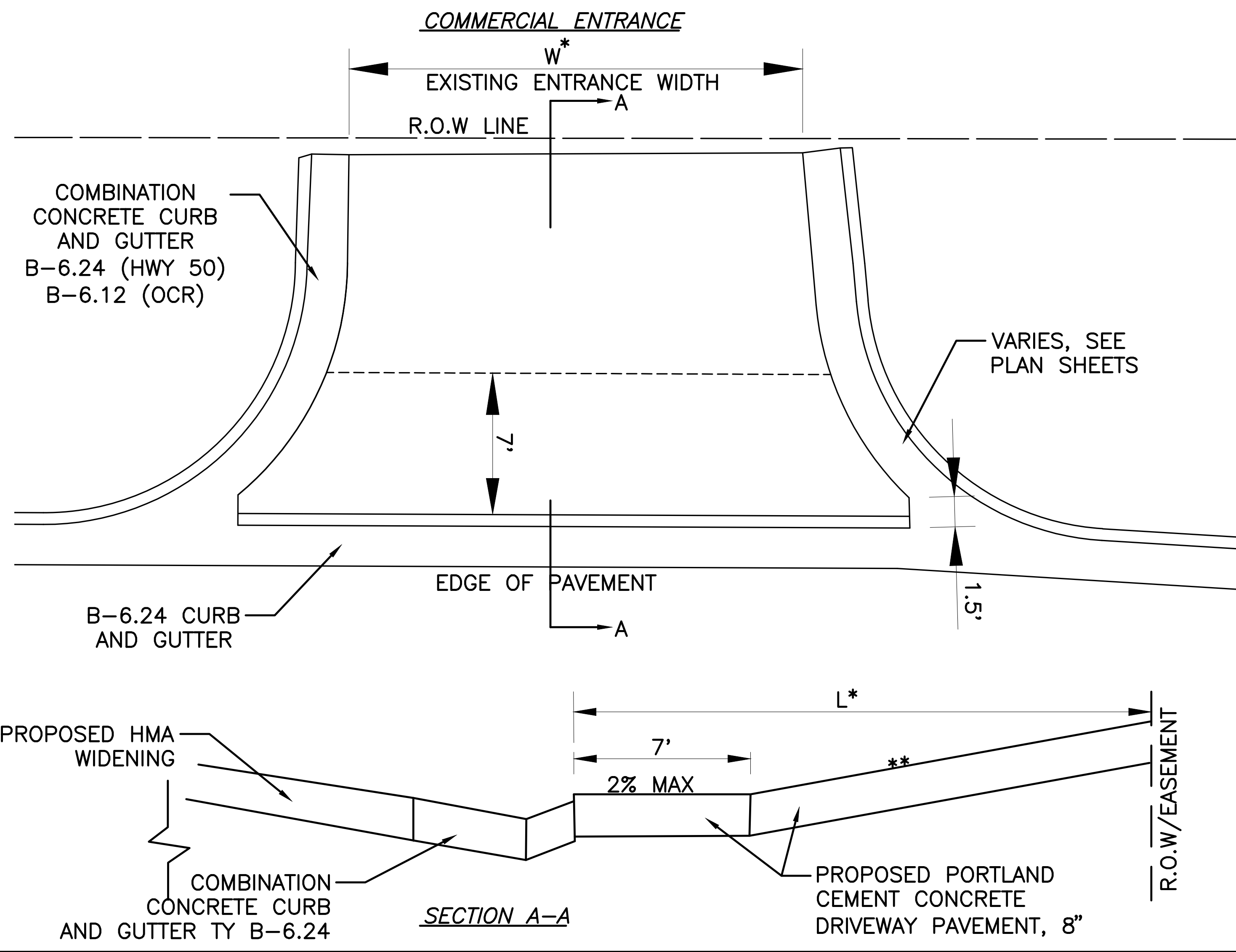
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	6
FEDERAL AID PROJECT		CONTRACT 97779		

LEGEND

- (4) EXISTING LIME MODIFIED SOIL, 12"
- (5) EXISTING BITUMINOUS BASE COURSE, 8½"
- (8) EXISTING HOT-MIX ASPHALT SURFACE COURSE, 1½"
- (9) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (10) EXISTING P.C.C. SIDEWALK
- (11) EXISTING THERMOPLASTIC PAVEMENT MARKING
- (16) BITUMINOUS MATERIALS (TACK COAT)
- (18) HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "D", N70, 1½"
- (20) THERMOPLASTIC PAVEMENT MARKING
- (23) HOT-MIX ASPHALT SURFACE REMOVAL, 1½"



OLD COLLINSVILLE ROAD TYPICAL SECTION
STA. 13+25.20 TO STA. 15+87.71
 N.T.S.



* SEE ENTRANCE SCHEDULE
 ** SEE CROSS SECTIONS FOR SLOPE

WEST U.S. 50/OLD COLLINSVILLE ROAD INTERSECTION IMPROVEMENTS ST. CLAIR COUNTY, ILLINOIS

VOLKERT Engineer: Volkert, Inc. 1500 Eastport Plaza Drive, Suite 200 Collinsville, Illinois 62234

DRAWN BY: PROJECT ENGINEER: APPROVED BY:

PROPOSED TYPICAL SECTIONS & ENTRANCE DETAILS

PAVEMENT SCHEDULE

LOCATION	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SUB-BASE GRANULAR MATERIAL TYPE A, 12"	HOT-MIX ASPHALT BINDER COURSE IL 19.0, N70	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	LONG JOINT SEALANT	HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70, 1 1/2"	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
	SQ YD	SQ YD	TON	POUND	POUND	FOOT	TON	FOOT
WEST HWY 50								
435+54.26 TO 440+05.25		472	273	996	199	435	37	472
SUBTOTAL		472	273	996	199	435	37	472
OLD COLLINSVILLE ROAD								
10+31.65 TO 13+25.20 LT.		223	98	459	92	285	17	309
10+50.71 TO 13+25.20	1,144				515		96	
13+25.20 TO 15+87.71	1,094				492		92	
SUBTOTAL	2,238	223	98	459	1,099	285	205	309
TOTAL	2,238	695	371	1,455	1,298	720	242	934

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	7
FEDERAL AID PROJECT		CONTRACT 97779		

REMOVAL SCHEDULE

LOCATION	COMBINATION CURB & GUTTER REMOVAL	SIDEWALK REMOVAL	DRIVEWAY PAVEMENT REMOVAL	STORM SEWER REMOVAL *	PARKING LOT PAVEMENT REMOVAL
	FOOT	SQ FT	SQ YD	FOOT	SQ YD
WEST HWY 50					
STA. 435+56.05 TO 436+02.28	105				
STA. 436+30.84 TO 437+61.75	180				
STA. 437+87.96 TO 438+62.59	124				
STA. 438+83.53 TO 440+05.41	144				
STA. 434+77.47 TO 435+06.47		196			
STA. 435+65.05 TO 436+01.48		279			
STA. 436+33.62 TO 437+60.26		617			
STA. 437+91.62 TO 438+61.02		333			
STA. 438+92.51 TO 440+02.65		531			
STA. 435+95.56 TO 436+39.40			100		
STA. 437+53.47 TO 437+97.32			96		
STA. 438+55.05 TO 438+98.62			93		
STA. 438+42.12 TO 438+50.76				8	
STA. 439+51.54 TO 439+59.20				8	
SUB-TOTAL	553	1,956	289	16	
OLD COLLINSVILLE ROAD					
STA. 10+33.07 TO 13+25.16	316				
STA. 10+66.47 TO 11+18.69					81
STA. 11+17.11 TO 11+30.93	19				
STA. 11+54.26 TO 11+67.00	18				
STA. 11+21.59 TO 11+63.53			43		
STA. 12+55.46 TO 12+82.25			18		
SUB-TOTAL	353		61		81
TOTAL	906	1,956	350	16	81

* INCLUDES CUTTING OF PIPE AT PROPOSED STRUCTURES

PCC SIDEWALK SCHEDULE

LOCATION	P.C.C. SIDEWALK 4"	DETECTABLE WARNINGS
	SQ FT	SQ FT
WEST HWY 50		
STA. 434+73 TO 434+96 LT.	112	
STA. 434+83 TO 434+96 LT.		26
STA. 435+69 TO 436+01 LT.	170	
STA. 435+76 TO 435+85 LT.		18
STA. 436+33 TO 437+59 LT.	625	
STA. 437+90 TO 438+58 LT.	325	
STA. 438+90 TO 440+03 LT.	550	
STA. 439+94 TO 440+02 LT.		10
SUBTOTAL	1,782	54
OLD COLLINSVILLE ROAD		
STA. 10+51 TO 11+18 RT.	290	
SUBTOTAL	290	
TOTAL	2,072	54

PCC ENTRANCE SCHEDULE

LOCATION	"L"	"W"	P.C.C. DRIVEWAY PAVEMENT, 6"	P.C.C. DRIVEWAY PAVEMENT, 8"	COMB. CONC. CURB & GUTTER TY B-6.12	COMB. CONC. CURB & GUTTER TY B-6.24	COMB. CONC. CURB & GUTTER TY B-6.24 (MOD)	CONC. CURB TY B
	FOOT	FOOT	SQ YD	SQ YD	FOOT	FOOT	FOOT	FOOT
WEST HWY 50								
STA. 436+17.05	18	29		57		29	17	
STA. 437+75.33	18	27		53		35	10	
STA. 438+89.89	24	25		65		58		
SUBTOTAL				175		122	27	
OLD COLLINSVILLE RD								
STA. 11+42.44	15	25		16	17			
STA. 12+68.85	6	16	14					
STA. 11+38 RT.						9	50	
SUBTOTAL			14	16	17	9	50	
TOTAL			14	191	17	131	27	50

PAVEMENT MARKING SCHEDULE

LOCATION	THERMOPLASTIC PAVEMENT MARKINGS						PAINT	TEMPORARY PAVEMENT MARKINGS				SHORT TERM			
	SOLID WHITE 4" LANE LINE	WHITE 4" SKIP DASH (2' - 6') LANE LINE	SOLID DOUBLE YELLOW 4" LANE LINE	SOLID WHITE 24" STOP BAR	SOLID WHITE 12" CROSSWALK LINE	YELLOW 12" DIAGONAL (20" SPACING)	L&S SOLID WHITE TURN ARROW	SOLID WHITE 4" LINE	LINE 4" TYPE III TAPE	LINE 12" TYPE III TAPE	LINE 24" TYPE III TAPE	LETTERS & SYMBOLS TYPE III TAPE	SHORT TERM PAV'T MKG REMOVAL (TEMP)	SHORT TERM PAV'T MKG REMOVAL (SHORT TERM)	SHORT TERM PAVEMENT MARKING
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ. FT.	FOOT	FOOT	FOOT	FOOT	SQ. FT.	SQ. FT.	SQ. FT.	FOOT
WEST HWY 50															
STA. 435+91 TO 437+91	200								200				66.6	6.6	20
STA. 437+91 TO 439+73		46							46				15.3		
STA. 434+89 TO 435+85					182					182			182		
STA. 435+90 LT.				12							12		24		
STA. 436+17.86							15.6					15.6	15.6		
STA. 437+59.55							15.6					15.6	15.6		
SUBTOTAL	200	46		12	182		31.2		246	182	12	31.2	319.1	6.6	20
OLD COLLINSVILLE RD															
STA. 10+76							31.2					31.2	31.2		
STA. 11+38							15.6					15.6	15.6		
STA. 11+67							15.6					15.6	15.6		
STA. 10+50 TO 11+70 LT.	120								120				40	4	12
STA. 10+50 TO 12+00 BL.	150								150				50	5.3	16
STA. 10+74 TO 11+11 RT.								100						12	36
STA. 10+50 TO 13+25 RT.			773			30			773	30			287.6		
STA. 10+49				37							37		74		
STA. 13+25 TO 15+88			1,050			100		1,050	100				450	16	48
SUBTOTAL	270		1,823	37	182	130	62.4	100	2,093	130	37	62.4	964	37.3	112
COLUMN TOTAL	570	46	1,823	49	182	130	93.6	100	2,339	312	49	93.6	1,283	44	132
PAY ITEM TOTAL		2,339		49		312	93.6	100	2,339	312	49	93.6	1,327		132

WEST U.S. 50/OLD COLLINSVILLE ROAD INTERSECTION IMPROVEMENTS ST. CLAIR COUNTY, ILLINOIS

VOLKERT
Engineer: Volkert, Inc.
 1500 Eastport Plaza Drive, Suite 200
 Collinsville, Illinois 62234

DRAWN BY:
 PROJECT ENGINEER:
 APPROVED BY:

CONSTRUCTION SCHEDULES

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NUMBER	LOCATION STATION	OFFSET	DESCRIPTION	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	INVERT ELEVATIONS
1	10+44.60	29.14' LT	REMOVE EXISTING INLET INLET, TYPE B, TYPE 15 FRAME AND LID	564.44	563.49*	561.97 NW
						561.93 SE
2	10+41.22	25.27' LT	INLET TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	563.51	563.67	561.53 NW (EX)
						561.35 S (EX)
3	435+90.36	39.46' LT	MANHOLE TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	562.72	562.88	560.15 N (EX)
						560.03 S (EX)
4	435+90.36	51.27' LT	INLET, TYPE A, TYPE 3 FRAME AND GRATE		562.51*	
						560.29 S
5	436+50.95	51.61' LT	REMOVE EXISTING INLET INLET, TYPE B, TYPE 3 FRAME AND GRATE	561.12	561.82*	558.45 N
						558.32 S
6	436+50.95	64.73' LT	INLET, TYPE A, TYPE 8 GRATE		561.15	
						558.65 S
7	437+45.08	39.32' LT	REMOVE EXISTING INLET INLET, TYPE B, TYPE 1 FRAME, CLOSED LID	561.18	561.22	559.11 N
						559.10 S
8	437+45.08	51.43' LT	INLET, TYPE A, TYPE 3 FRAME AND GRATE		561.07*	
						559.17 S
9	438+15.24	40.00' LT	INLET TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	560.70	560.77	558.40 NE (EX)
						558.34 S (EX)
10	438+42.12	48.62' LT	INLET, TYPE A, TYPE 3 FRAME AND GRATE		560.71*	
						558.76 SW
11	438+50.58	51.36' LT	REMOVE EXISTING INLET			
12	439+51.33	39.62' LT	INLET TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	560.34	560.41	557.38 NE (EX)
						????
13	439+59.25	42.22' LT	INLET, TYPE B, TYPE 3 FRAME AND GRATE		560.41*	557.39 NE
						557.39 SW

NOTE: STATION OFFSET IS TO CENTER OF STRUCTURE
 NOTE: (EX) = EXISTING STRUCTURE PIPE INVERT
 * - ELEVATION AT GUTTER FLOWLINE

DRAINAGE STRUCTURE SUMMARY

PAY ITEM	EACH
REMOVING INLETS	4
INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	3
MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	1
INLETS, TYPE A, TYPE 3 FRAME AND GRATE	3
INLETS, TYPE A, TYPE 8 FRAME AND GRATE	1
INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	1
INLETS, TYPE B, TYPE 3 FRAME AND GRATE	2
INLETS, TYPE B, TYPE 15 FRAME AND LID	1

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	8
FEDERAL AID PROJECT		CONTRACT 97779		

SEEDING / EROSION CONTROL SCHEDULE

LOCATION	SEEDING CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH METHOD 1	INLET & PIPE PROTECTION
	ACRE	POUND	POUND	POUND	ACRE	EACH
OLD COLLINSVILLE RD (WEST)	0.04	3.6	3.6	3.6	0.04	
OLD COLLINSVILLE RD (EAST)	0.01	0.9	0.9	0.9	0.01	
W. HWY 50 (NORTH)	0.06	5.4	5.4	5.4	0.06	
W. HWY 50 (STA. 434+99.71, 52.4' LT)						1
W. HWY 50 (STA. 435+89.89, 51.3' LT)						1
W. HWY 50 (STA. 436+50.83, 51.7' LT)						1
W. HWY 50 (STA. 436+52.10, 65.3' LT)						1
W. HWY 50 (STA. 437+44.92, 51.4' LT)						1
W. HWY 50 (STA. 438+42.12, 48.6' LT)						1
TOTAL	0.11	9.9	9.9	9.9	0.11	6

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	EMBANKMENT
	C.Y.	C.Y.
WEST HWY 50 LT.		
435+55 TO 436+50*	123	29
436+50 TO 437+25*	93	1
437+25 TO 439+00	294	2
439+00 TO 440+00*	62	0
SUBTOTAL	572	32
OLD COLLINSVILLE ROAD		
10+31.50 TO 11+70*	112	0
11+70 TO 13+25	68	1
SUBTOTAL	180	1
TOTAL	752	33

* - DENOTES POTENTIAL AREAS OF NON-SPECIAL WASTE DISPOSAL

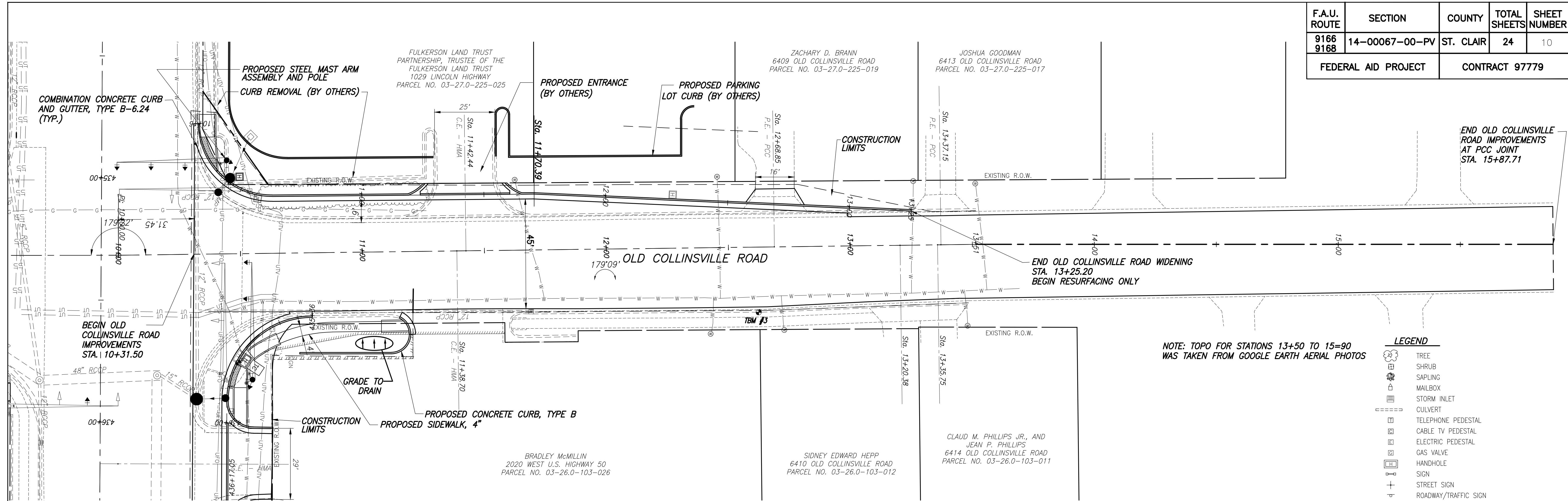
STORM SEWER SCHEDULE

PIPE NO.	START STRUCTURE (NO.)	END STRUCTURE (NO.)	PIPE DESCRIPTION	PIPE SIZE	PIPE LENGTH (FEET)	UPSTREAM INVERT ELEVATION	DOWNSTREAM INVERT ELEVATION	PIPE SLOPE
1	1	2	STORM SEWERS, CLASS A, TYPE 1	12"	4	561.93	561.53 (EX)	10.0%
2	4	3	STORM SEWERS, CLASS A, TYPE 1	12"	10	560.29	560.15 (EX)	1.4%
3	6	5	STORM SEWERS, CLASS A, TYPE 1	12"	12	558.65	558.45	1.7%
4	8	7	STORM SEWERS, CLASS A, TYPE 1	12"	11	559.17	559.11	0.5%
5	13	12	STORM SEWERS, CLASS A, TYPE 1	12"	7	557.39	557.38 (EX)	0.15%
TOTAL				STORM SEWERS, CLASS A, TYPE 1	44			

ALL "CLASS A" STORM SEWER PIPE SHALL BE PCC
 NOTE: (EX) = EXISTING INLET/MANHOLE INVERT CUTOUT

WEST U.S. 50/OLD COLLINSVILLE ROAD INTERSECTION IMPROVEMENTS ST. CLAIR COUNTY, ILLINOIS	
Engineer: Volkert, Inc. 1500 Eastport Plaza Drive, Suite 200 Collinsville, Illinois 62234	CONSTRUCTION SCHEDULES

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	10
FEDERAL AID PROJECT		CONTRACT 97779		

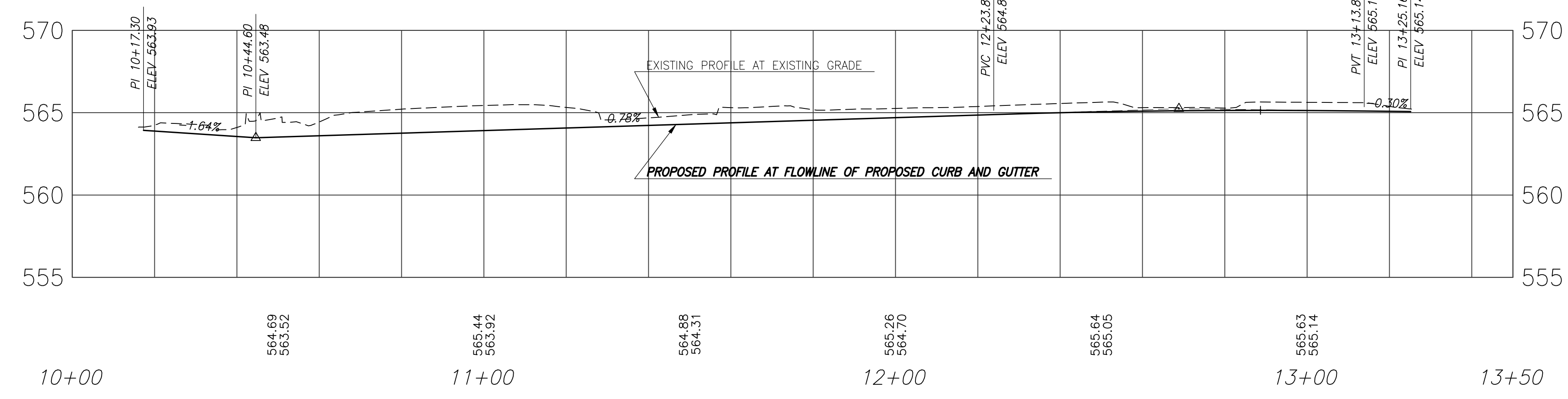


NOTE: TOPO FOR STATIONS 13+50 TO 15+90 WAS TAKEN FROM GOOGLE EARTH AERIAL PHOTOS

- LEGEND**
- TREE
 - SHRUB
 - SAPLING
 - MAILBOX
 - STORM INLET
 - CULVERT
 - TELEPHONE PEDESTAL
 - CABLE TV PEDESTAL
 - ELECTRIC PEDESTAL
 - GAS VALVE
 - HANDHOLE
 - 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 STORM INLET, SPECIAL

TBM #3: SET RR SPIKE IN W. FACE POWER POLE, E. SIDE OCR, JUST N OF CAMERA BLDG - ELEV. 565.63

HIGH PT. STA = 12+88.67
 HIGH PT ELEV = 565.14
 PVI STA = 12+68.85
 PVI ELEV = 565.24
 A.D. = -1.09%
 K = 82.59
 90.00' V.C.



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

WEST U.S. 50/OLD COLLINSVILLE ROAD INTERSECTION IMPROVEMENTS
 ST. CLAIR COUNTY, ILLINOIS

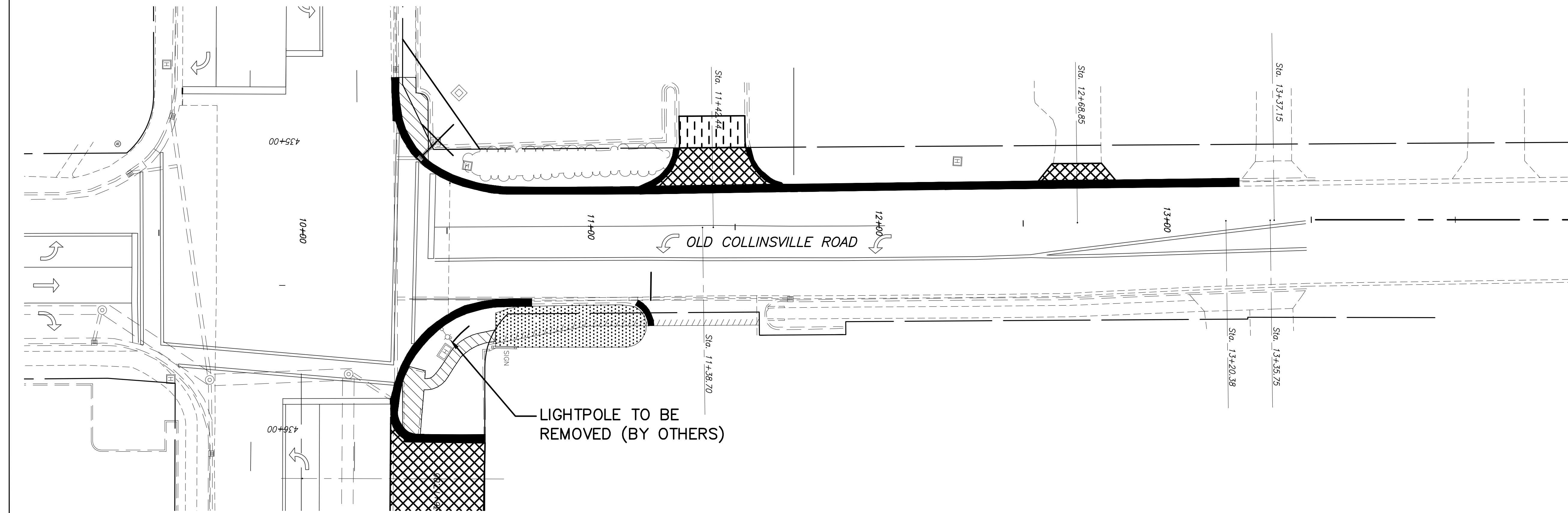
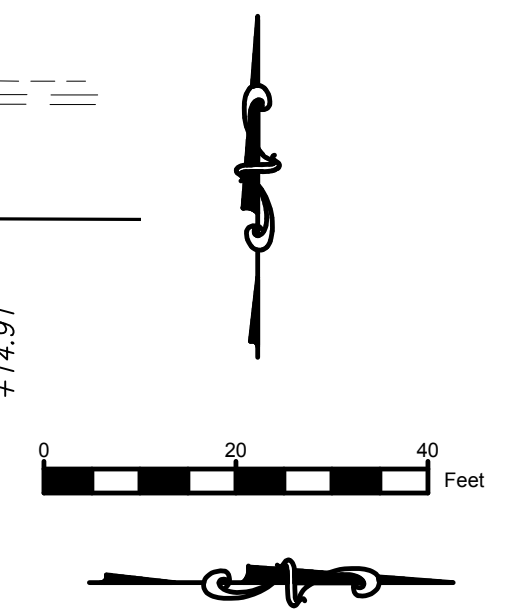
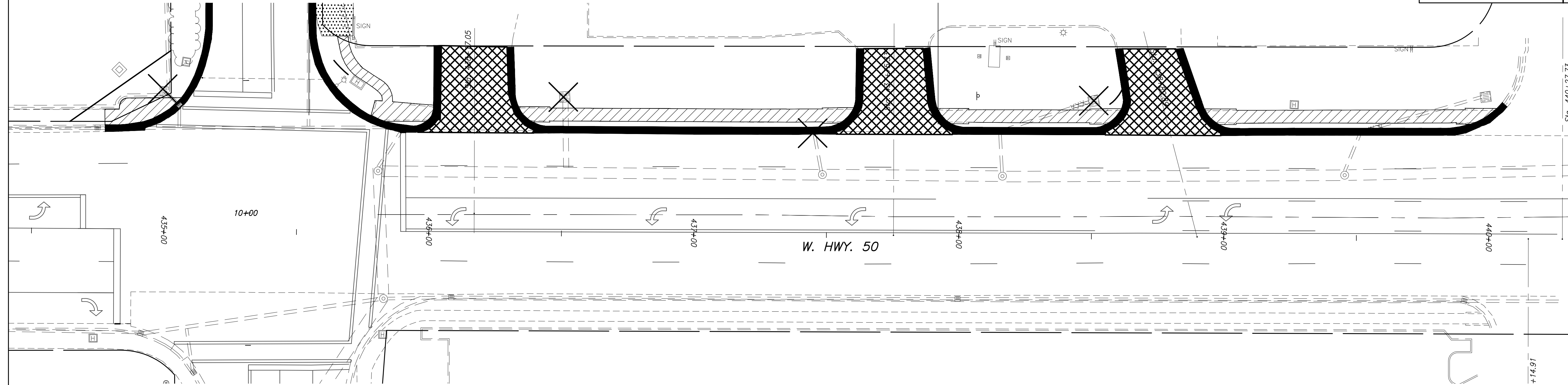
Engineer: Volkert, Inc.
 1500 Eastport Plaza Drive, Suite 200
 Collinsville, Illinois 62234



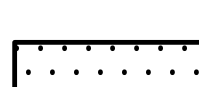




VOLKERT

DRAWN BY: _____
 PROJECT ENGINEER: _____
 APPROVED BY: _____

OLD COLLINSVILLE ROAD PLAN AND PROFILE

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	11
FEDERAL AID PROJECT		CONTRACT 97779		



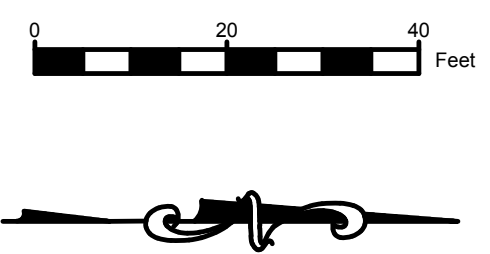
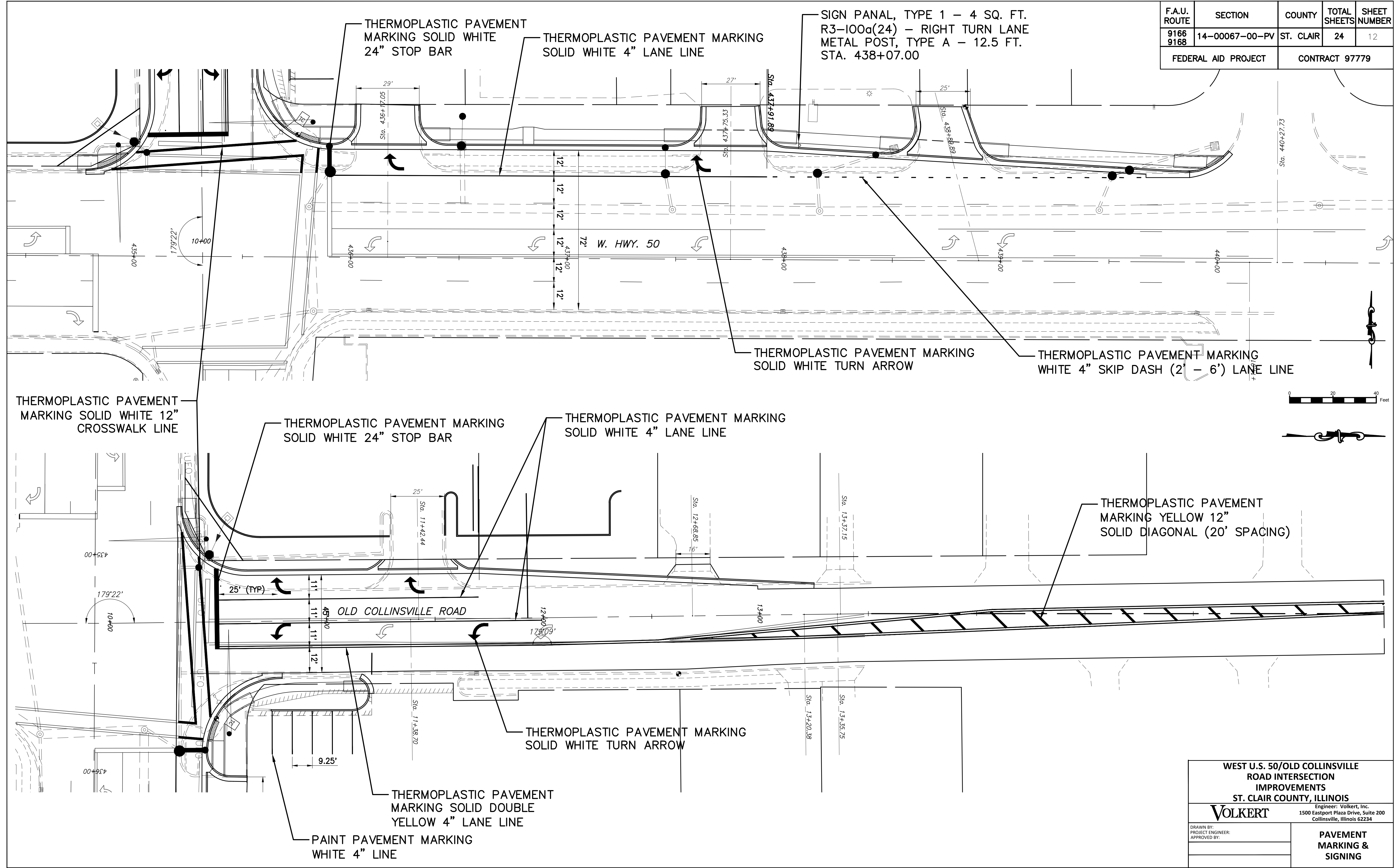
- LEGEND**
-  SIDEWALK REMOVAL
 -  DRIVEWAY PAVEMENT REMOVAL
 -  PARKING LOT PAVEMENT REMOVAL
 -  COMBINATION CURB AND GUTTER REMOVAL
 -  REMOVAL WORK OUTSIDE OF R.O.W. BY OTHERS
 -  STORM SEWER REMOVAL
 -  REMOVING INLETS

WEST U.S. 50/OLD COLLINSVILLE ROAD INTERSECTION IMPROVEMENTS ST. CLAIR COUNTY, ILLINOIS

VOLKERT Engineer: Volkert, Inc.
1500 Eastport Plaza Drive, Suite 200
Collinsville, Illinois 62234

DRAWN BY: PROJECT ENGINEER: APPROVED BY:	REMOVAL ITEMS
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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	12
FEDERAL AID PROJECT		CONTRACT 97779		

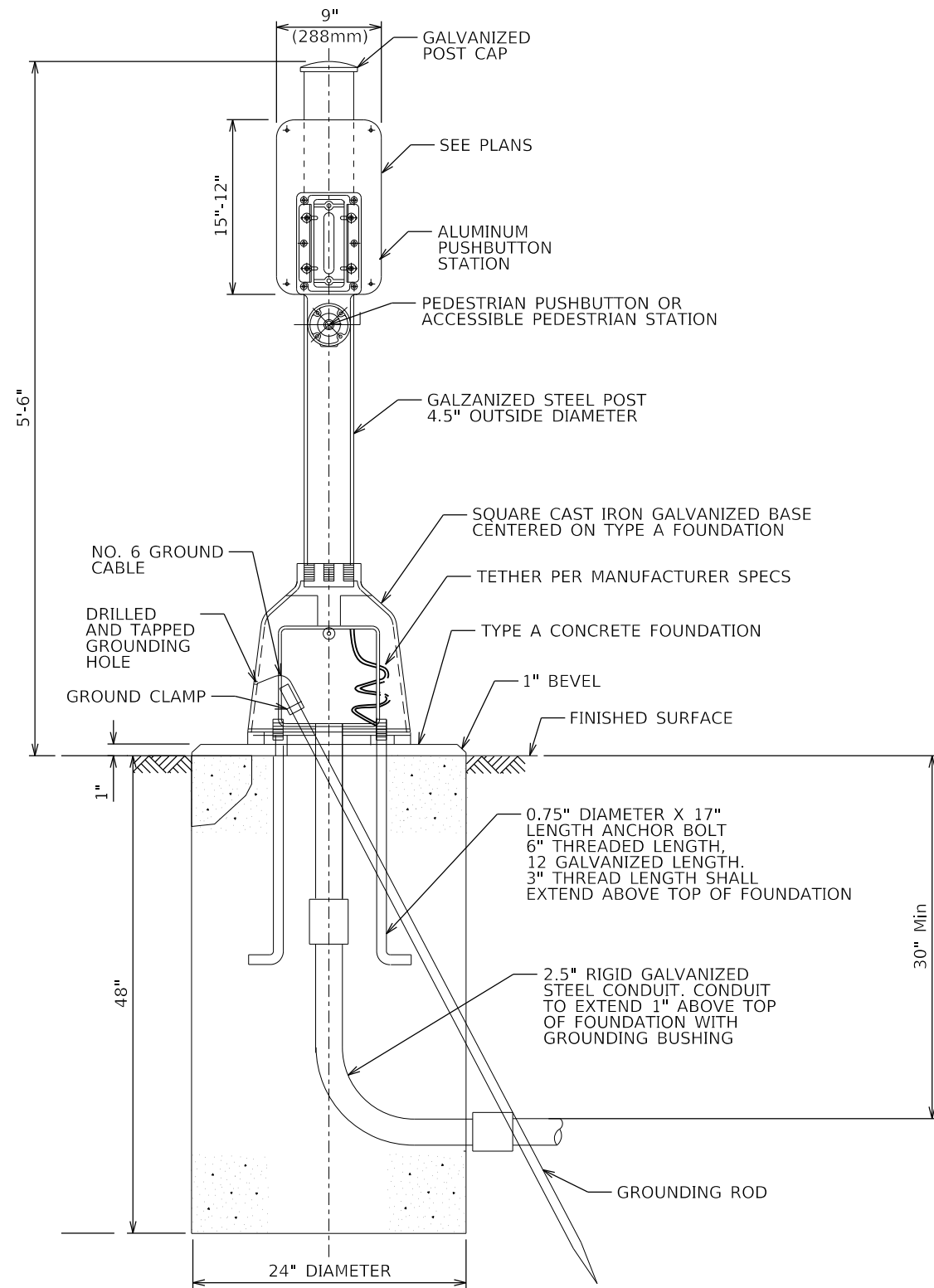


**WEST U.S. 50/OLD COLLINSVILLE
ROAD INTERSECTION
IMPROVEMENTS
ST. CLAIR COUNTY, ILLINOIS**

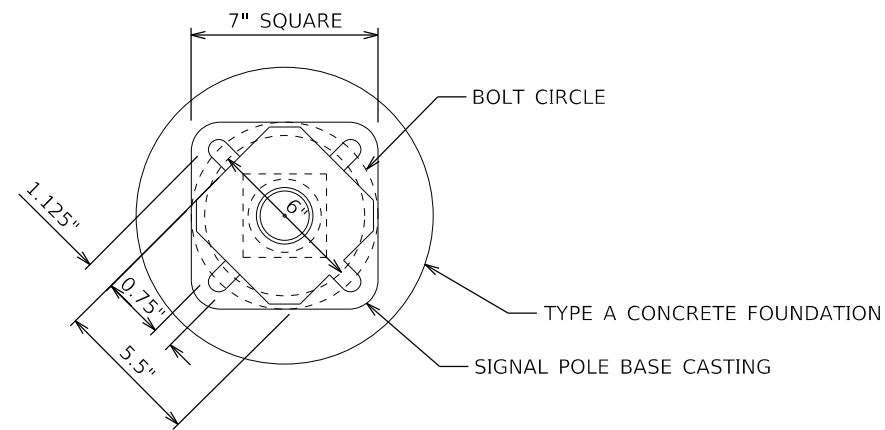
Engineer: Volkert, Inc.
1500 Eastport Plaza Drive, Suite 200
Collinsville, Illinois 62234

VOLKERT

<small>DRAWN BY: PROJECT ENGINEER: APPROVED BY:</small>	PAVEMENT MARKING & SIGNING
---	---



PEDESTRIAN PUSH-BUTTON POST



PEDESTRIAN PUSH-BUTTON POST

LAST SAVED = #LASTENHEDDATE#
 PEN TABLE = #PENLDRYS#
 PLOT DRIVER = #PLTDVRS#

FILE NAME = 40916-sh-t-ts02.dgn
 USER NAME = bschm

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISD -
 REVISD -
 REVISD -
 REVISD -

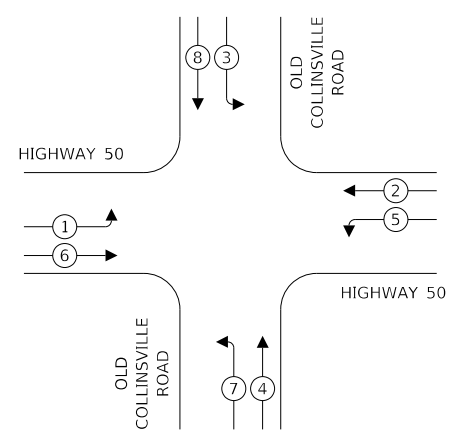
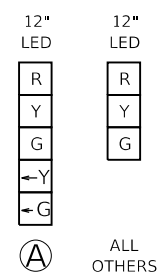
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TRAFFIC SIGNAL DETAILS
 PEDESTRIAN PUSH-BUTTON POST, CONCRETE FOUNDATION, TYPE A
 SCALE: NTS SHEET NO. 2 OF 5 SHEETS STA. TO STA.

WEST U.S. 50 / OLD COLLINSVILLE ROAD INTERSECTION IMPROVEMENTS
 SECTION 14-00067-00-PV
 CONTRACT 97779
 TOTAL SHEETS 24 SHEET NO. 14

1 - UNDERGROUND CONDUIT, PVC, 1.25" DIA. - 5'
 DRILL EXISTING HANDHOLE - 2 EACH



SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	EBLT	WB	SB LT	NB	WBLT	EB	NB LT	SB
CONCURRENT MOVEMENT ALLOWED	5 OR 6	5 OR 6	7 OR 8	7 OR 8	1 OR 2	1 OR 2	3 OR 4	3 OR 4

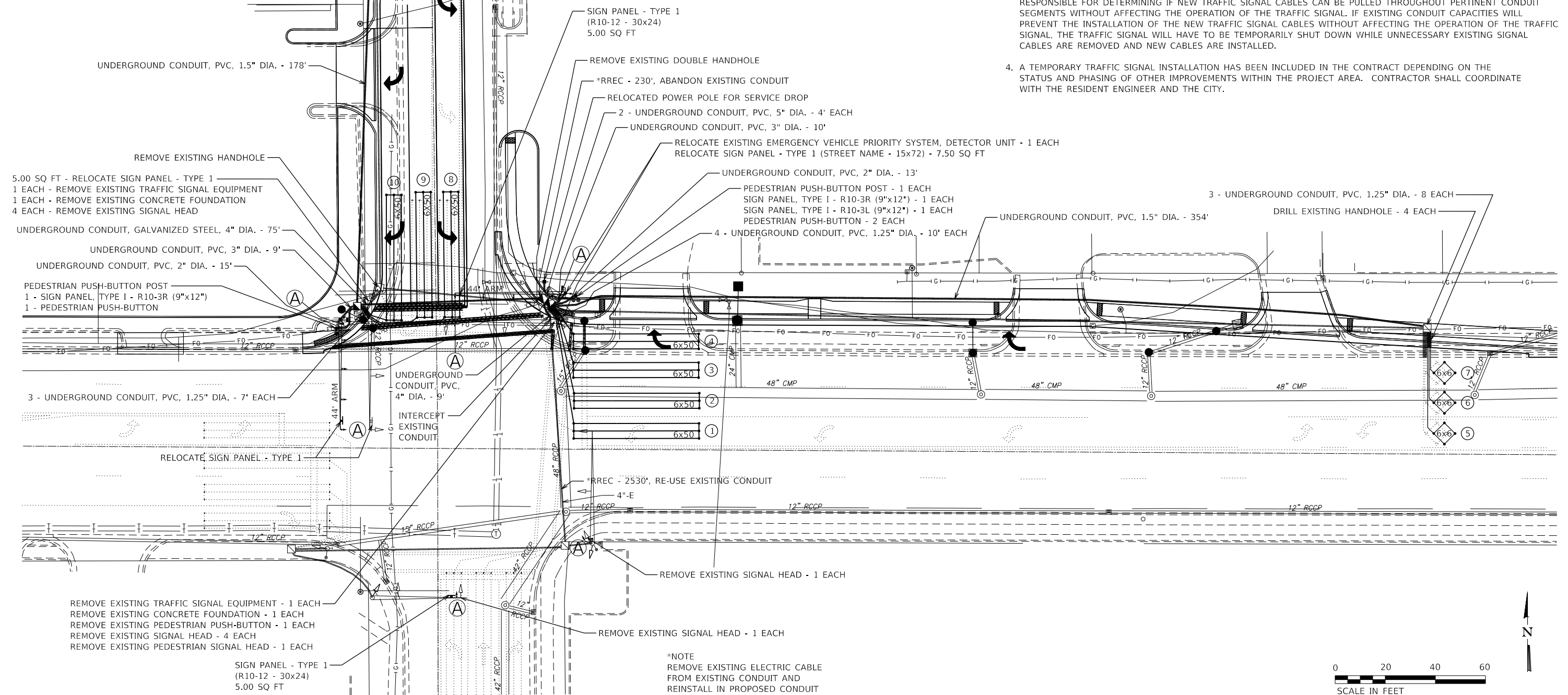
PEDESTRIAN INDICATIONS ARE DISPLAYED ON ACTUATION ONLY

NOTES:

- ALL UTILITIES PRESENT MAY NOT BE SHOWN. ALL UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION, PROTECTION, AND COORDINATION OF EXISTING UTILITIES.
- ALL UNUSED AND/OR UNNECESSARY TRAFFIC SIGNAL CABLES SHALL BE COMPLETELY REMOVED FROM THE EXISTING CONDUIT SYSTEM, IF POSSIBLE, TO ENSURE ADEQUATE CONDUIT CAPACITY. ALL UNUSED CONDUITS SHALL BE REMOVED AND ABANDONED.
- PRIOR TO INSTALLING NEW TRAFFIC SIGNAL CABLES WITHIN EXISTING CONDUITS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING IF NEW TRAFFIC SIGNAL CABLES CAN BE PULLED THROUGHOUT PERTINENT CONDUIT SEGMENTS WITHOUT AFFECTING THE OPERATION OF THE TRAFFIC SIGNAL. IF EXISTING CONDUIT CAPACITIES WILL PREVENT THE INSTALLATION OF THE NEW TRAFFIC SIGNAL CABLES WITHOUT AFFECTING THE OPERATION OF THE TRAFFIC SIGNAL, THE TRAFFIC SIGNAL WILL HAVE TO BE TEMPORARILY SHUT DOWN WHILE UNNECESSARY EXISTING SIGNAL CABLES ARE REMOVED AND NEW CABLES ARE INSTALLED.
- A TEMPORARY TRAFFIC SIGNAL INSTALLATION HAS BEEN INCLUDED IN THE CONTRACT DEPENDING ON THE STATUS AND PHASING OF OTHER IMPROVEMENTS WITHIN THE PROJECT AREA. CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER AND THE CITY.

TRAFFIC SIGNAL FACES

PHASE DESIGNATION DIAGRAM



5.00 SQ FT - RELOCATE SIGN PANEL - TYPE 1
 1 EACH - REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
 1 EACH - REMOVE EXISTING CONCRETE FOUNDATION
 4 EACH - REMOVE EXISTING SIGNAL HEAD

UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. - 75'
 UNDERGROUND CONDUIT, PVC, 3" DIA. - 9'
 UNDERGROUND CONDUIT, PVC, 2" DIA. - 15'

PEDESTRIAN PUSH-BUTTON POST
 1 - SIGN PANEL, TYPE 1 - R10-3R (9"x12")
 1 - PEDESTRIAN PUSH-BUTTON

3 - UNDERGROUND CONDUIT, PVC, 1.25" DIA. - 7' EACH
 RELOCATE SIGN PANEL - TYPE 1

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - 1 EACH
 REMOVE EXISTING CONCRETE FOUNDATION - 1 EACH
 REMOVE EXISTING PEDESTRIAN PUSH-BUTTON - 1 EACH
 REMOVE EXISTING SIGNAL HEAD - 4 EACH
 REMOVE EXISTING PEDESTRIAN SIGNAL HEAD - 1 EACH

SIGN PANEL - TYPE 1
 (R10-12 - 30x24)
 5.00 SQ FT

*NOTE
 REMOVE EXISTING ELECTRIC CABLE
 FROM EXISTING CONDUIT AND
 REINSTALL IN PROPOSED CONDUIT



LAST SAVED = #LASTENEDDATE\$
 PEN TABLE = #PENLIB\$
 PLOT DRIVER = #PLTDV\$

FILE NAME =
 40916-sh-t-ts03.dgn

USER NAME = bschm
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 2/22/2022 8:11:46 AM

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -



TRAFFIC SIGNAL DETAILS
 TRAFFIC SIGNAL PLAN
 SCALE: 1"=20'
 SHEET NO. 3 OF 5 SHEETS
 STA. TO STA.

WEST U.S. 50 / OLD COLLINSVILLE
 ROAD INTERSECTION IMPROVEMENTS
 SECTION 14-00067-00-PV
 CONTRACT 97779
 TOTAL SHEETS 24
 SHEET NO. 15

LAST SAVED = #LASTENEDDATE#
 PEN TABLE = #PEN#
 PLOT DRIVER = #PLOTDRIVER#

FILE NAME = 40916-sh-t-ts04.dgn
 USER NAME = bschm

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

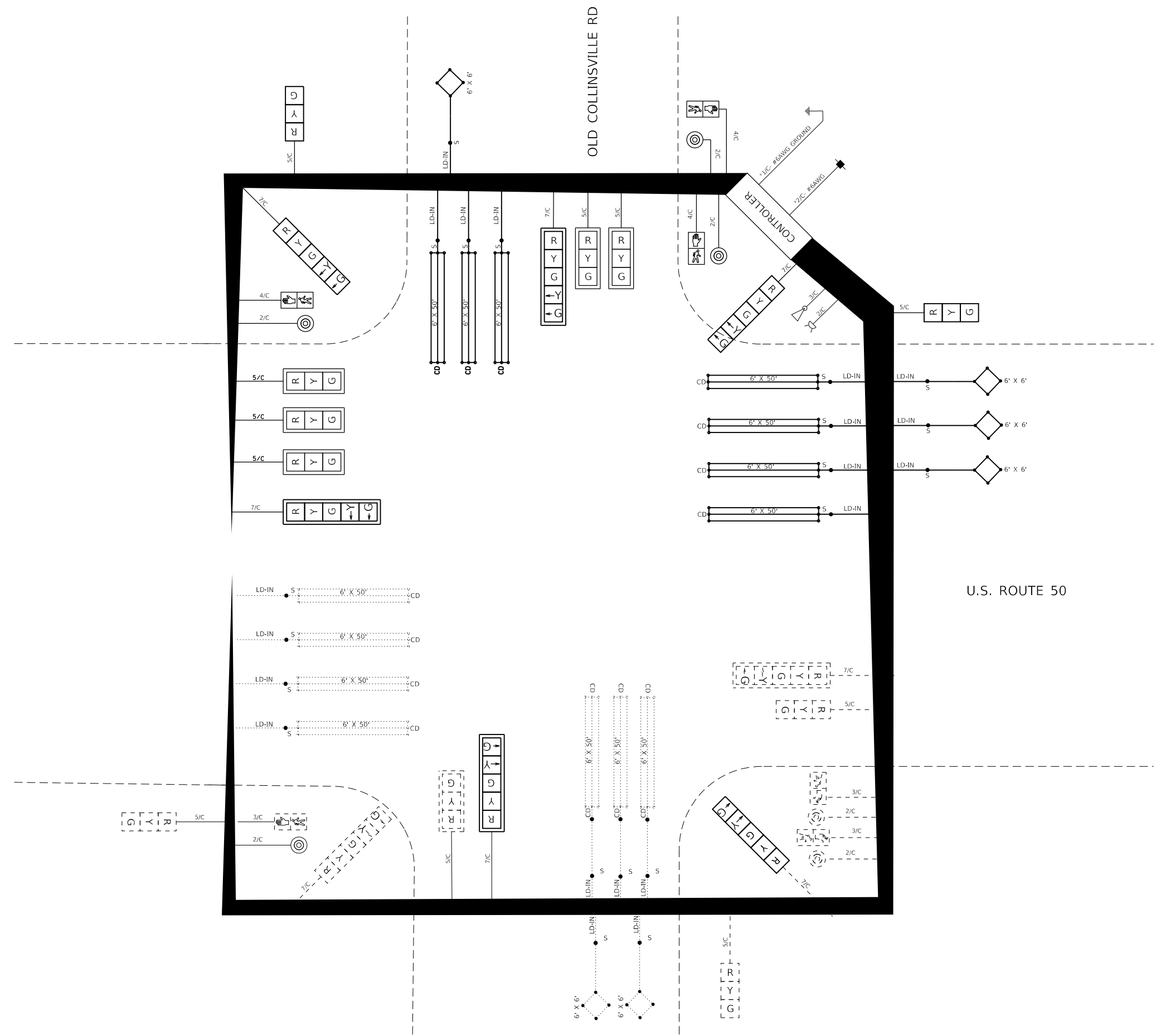
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DESIGNED -
 DRAWN -
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 DATE -

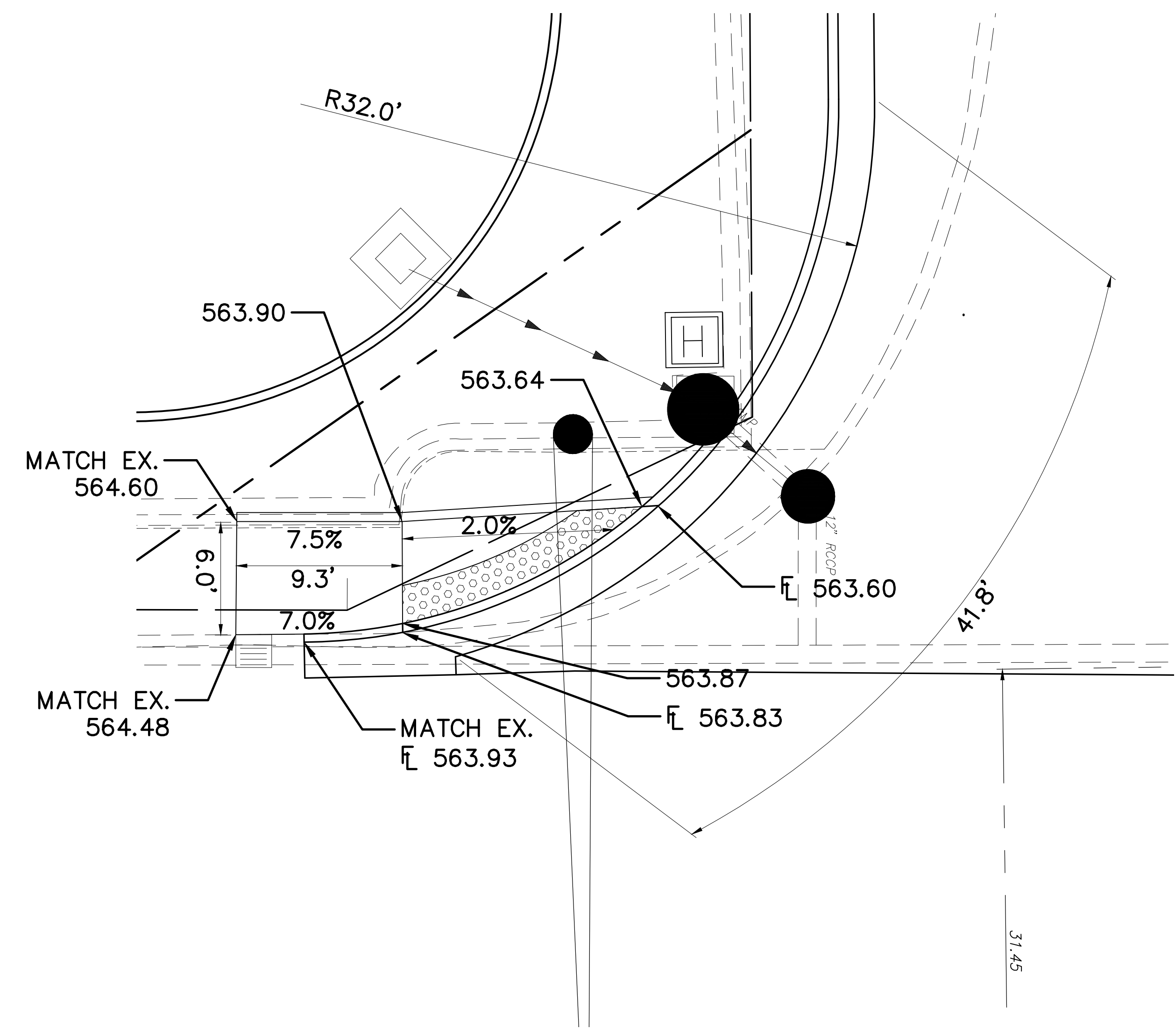
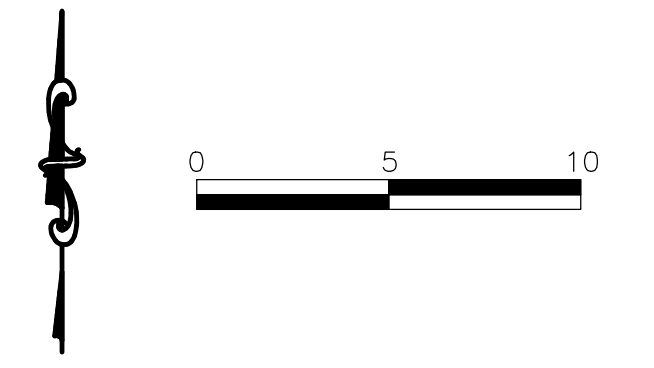


TRAFFIC SIGNAL DETAILS
 CABLE DIAGRAM
 SCALE: NTS SHEET NO. 4 OF 5 SHEETS STA. TO STA.

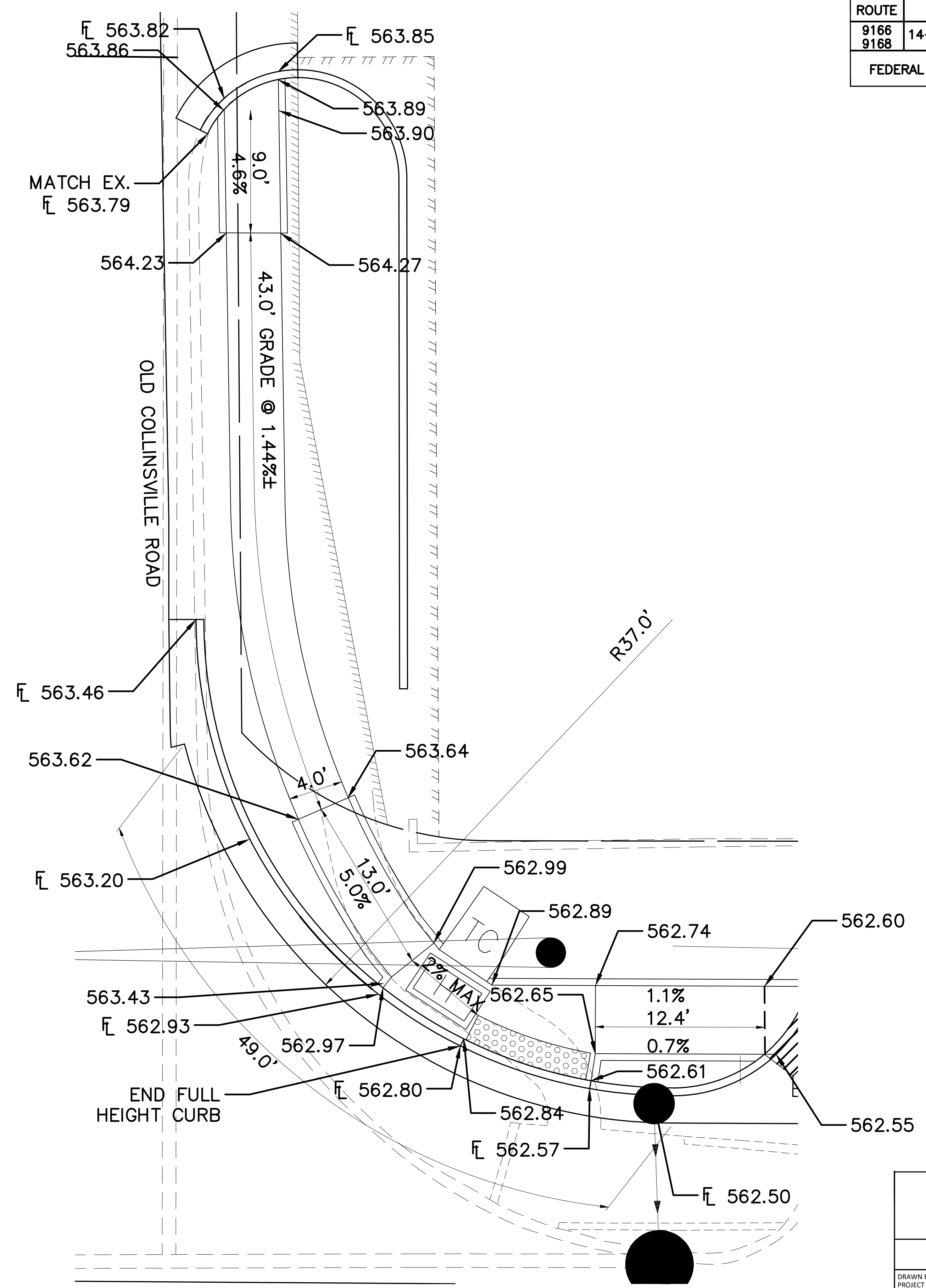
WEST U.S. 50 / OLD COLLINSVILLE ROAD INTERSECTION IMPROVEMENTS
 SECTION 14-00067-00-PV
 CONTRACT 97779
 TOTAL SHEETS 24 SHEET NO. 16



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	18
FEDERAL AID PROJECT		CONTRACT 97779		



SIDEWALK RAMP DETAIL "A"



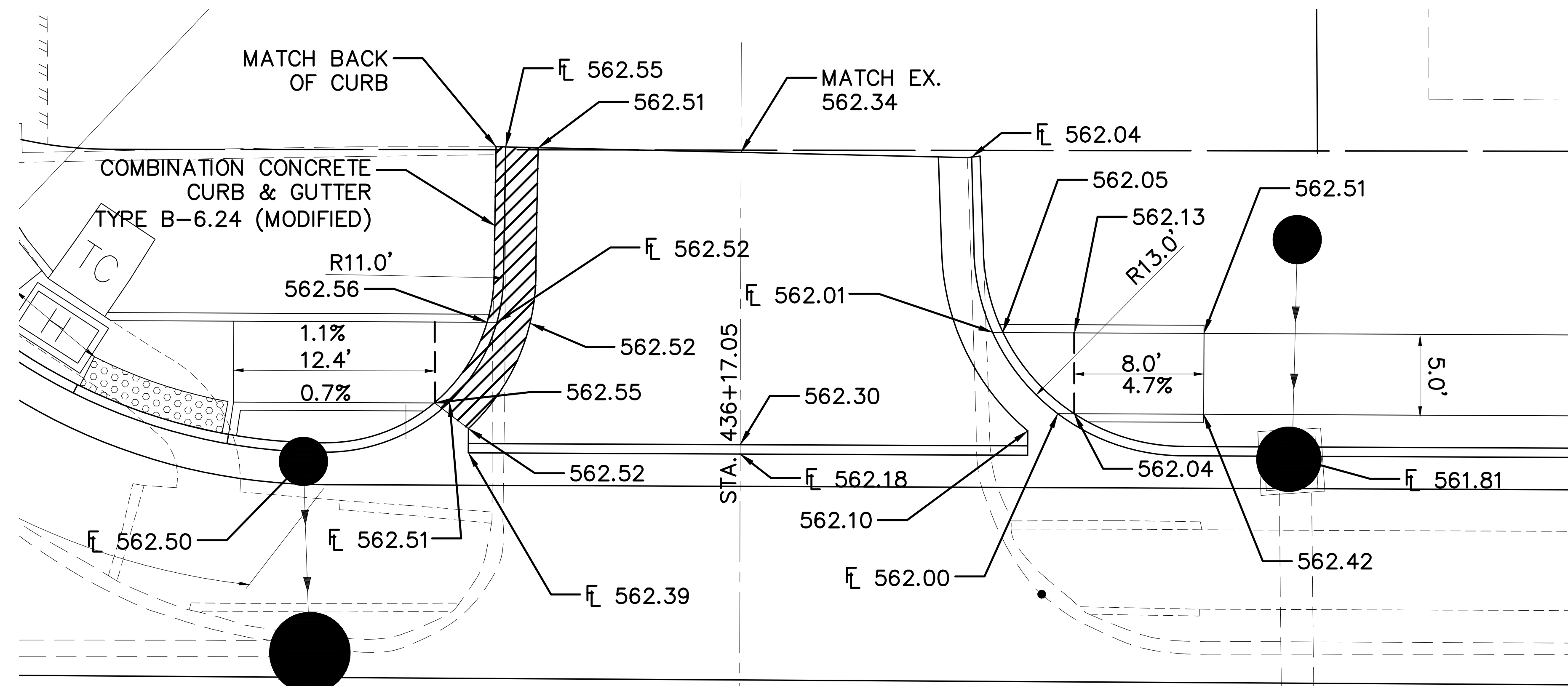
SIDEWALK RAMP DETAIL "B"

WEST U.S. 50/OLD COLLINSVILLE ROAD INTERSECTION IMPROVEMENTS
ST. CLAIR COUNTY, ILLINOIS

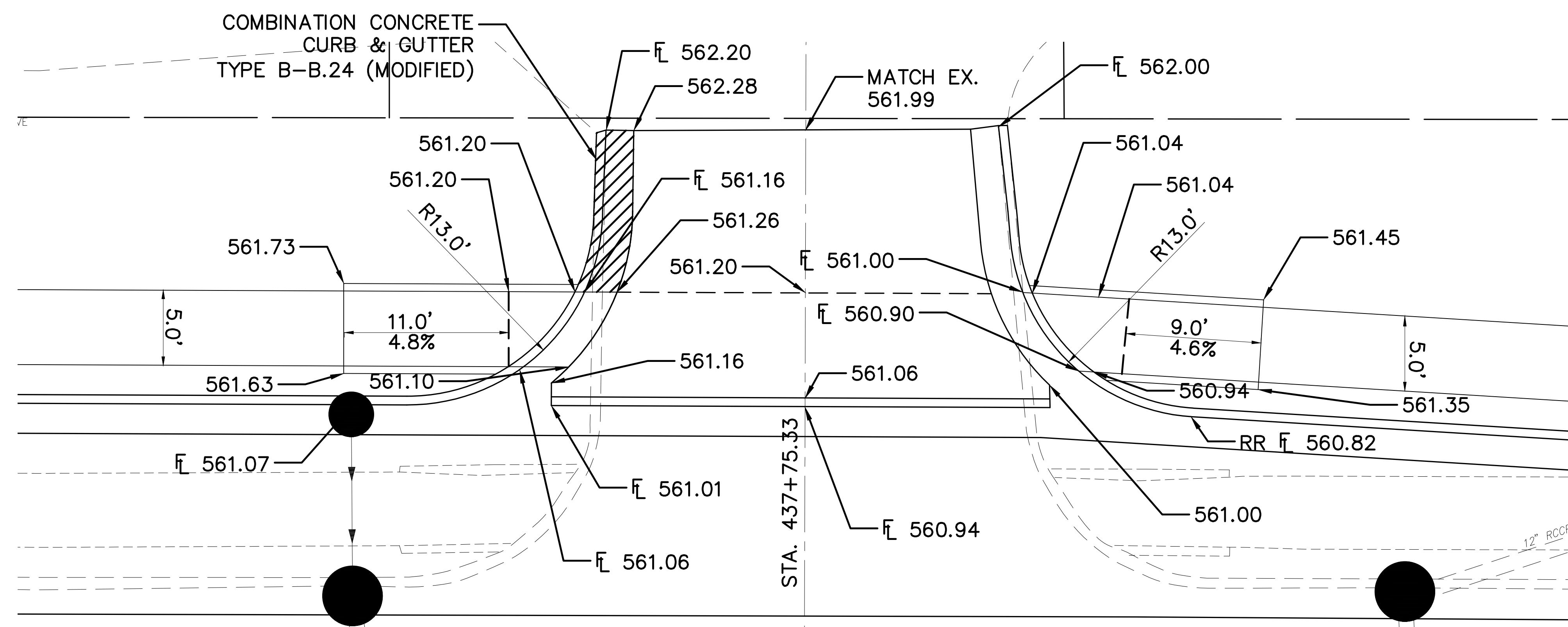
VOLKERT
Engineer: Volkert, Inc.
1500 Eastport Plaza Drive, Suite 200
Collinsville, Illinois 62234

DRAWN BY: PROJECT ENGINEER: APPROVED BY:	SIDEWALK DETAILS
--	-------------------------

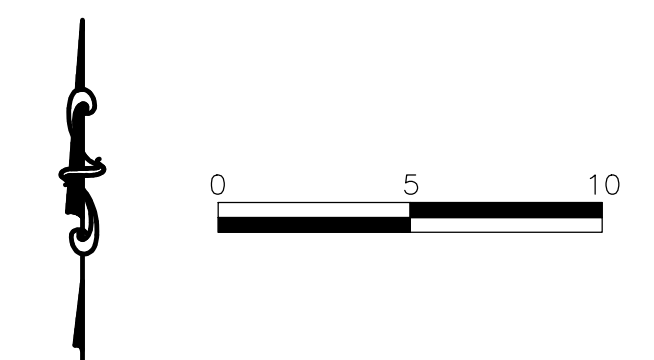
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	19
FEDERAL AID PROJECT		CONTRACT 97779		



SIDEWALK RAMP DETAIL "C"



SIDEWALK RAMP DETAIL "D"



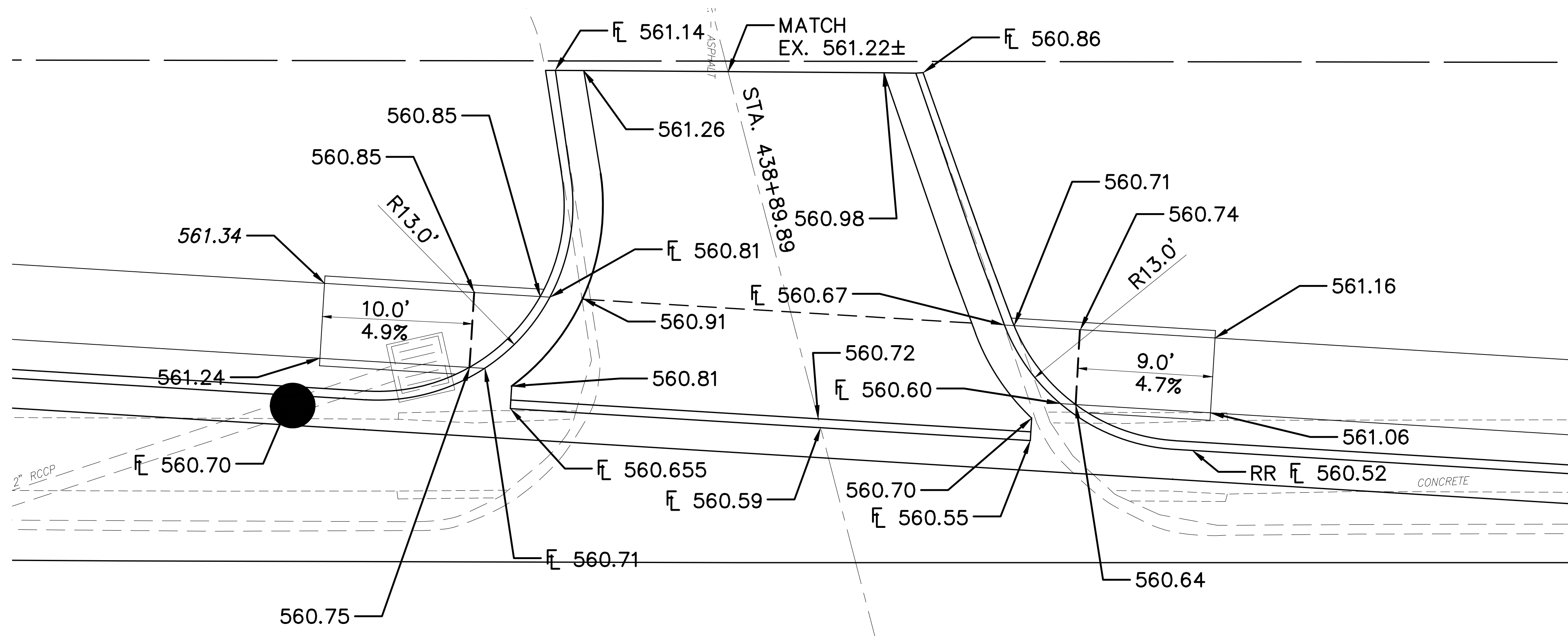
WEST U.S. 50/OLD COLLINSVILLE ROAD INTERSECTION IMPROVEMENTS ST. CLAIR COUNTY, ILLINOIS

VOLKERT Engineer: Volkert, Inc. 1500 Eastport Plaza Drive, Suite 200 Collinsville, Illinois 62234

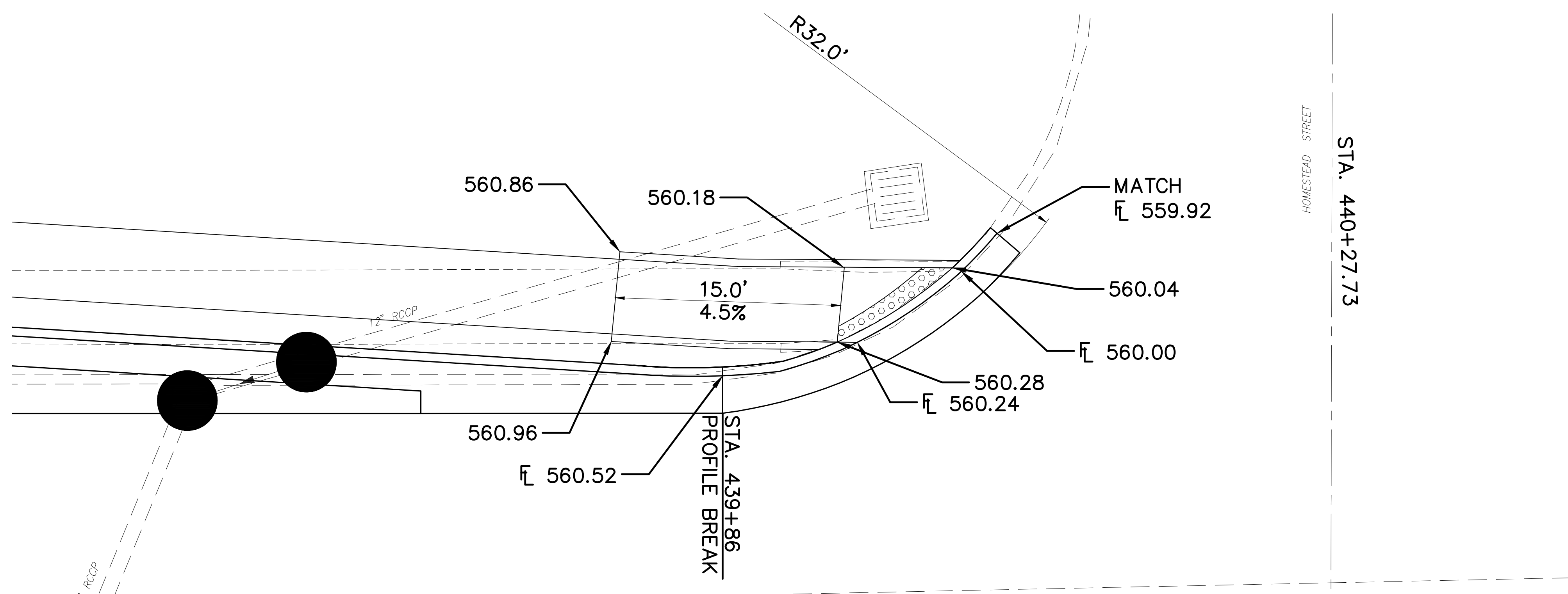
DRAWN BY: _____
PROJECT ENGINEER: _____
APPROVED BY: _____

SIDEWALK DETAILS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	20
FEDERAL AID PROJECT		CONTRACT 97779		



SIDEWALK RAMP DETAIL "E"



SIDEWALK RAMP DETAIL "F"



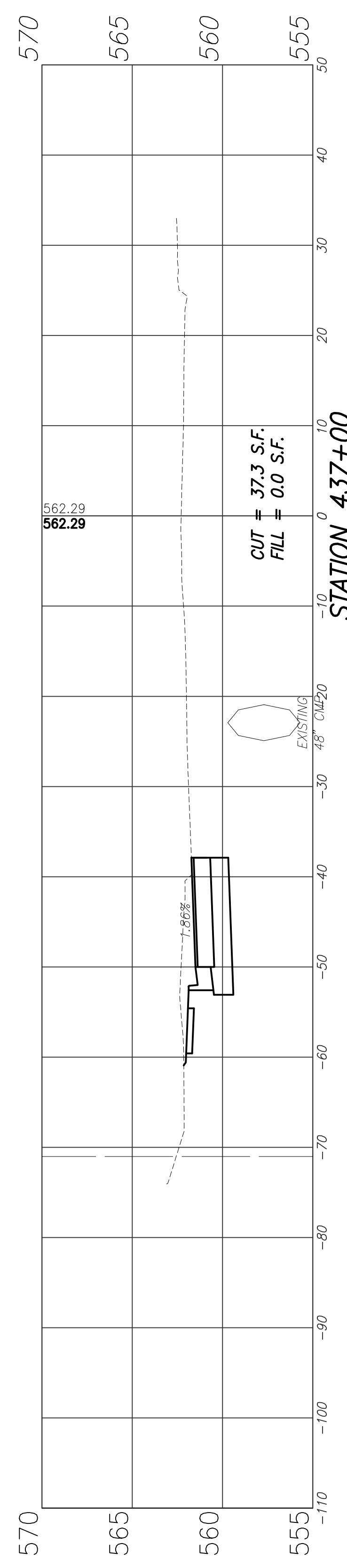
**WEST U.S. 50/OLD COLLINSVILLE
ROAD INTERSECTION
IMPROVEMENTS
ST. CLAIR COUNTY, ILLINOIS**

Engineer: Volkert, Inc.
1500 Eastport Plaza Drive, Suite 200
Collinsville, Illinois 62234

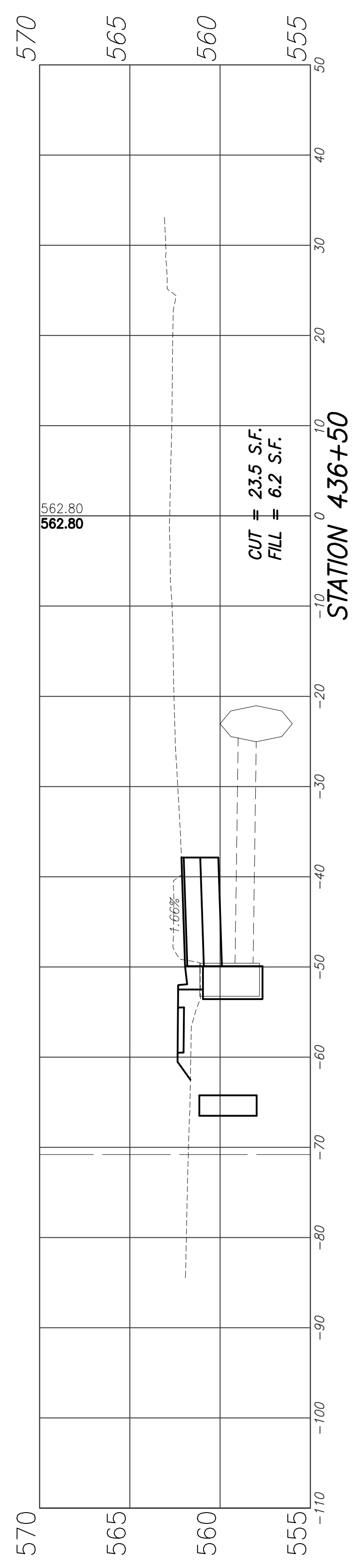
VOLKERT

<small>DRAWN BY: PROJECT ENGINEER: APPROVED BY:</small>	SIDEWALK DETAILS
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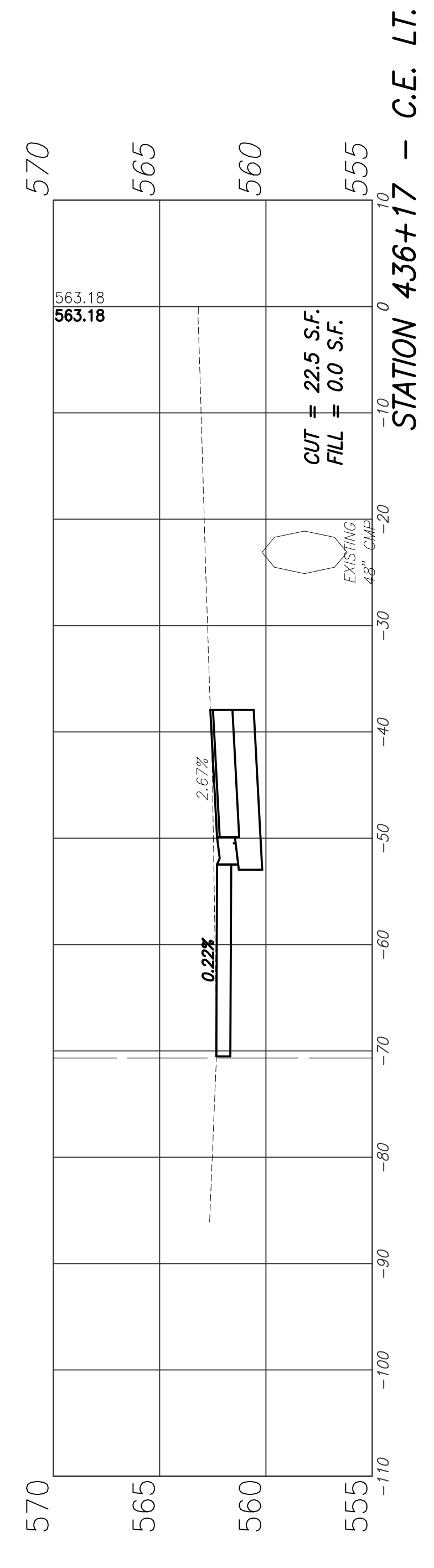
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	21
FEDERAL AID PROJECT		CONTRACT 97779		



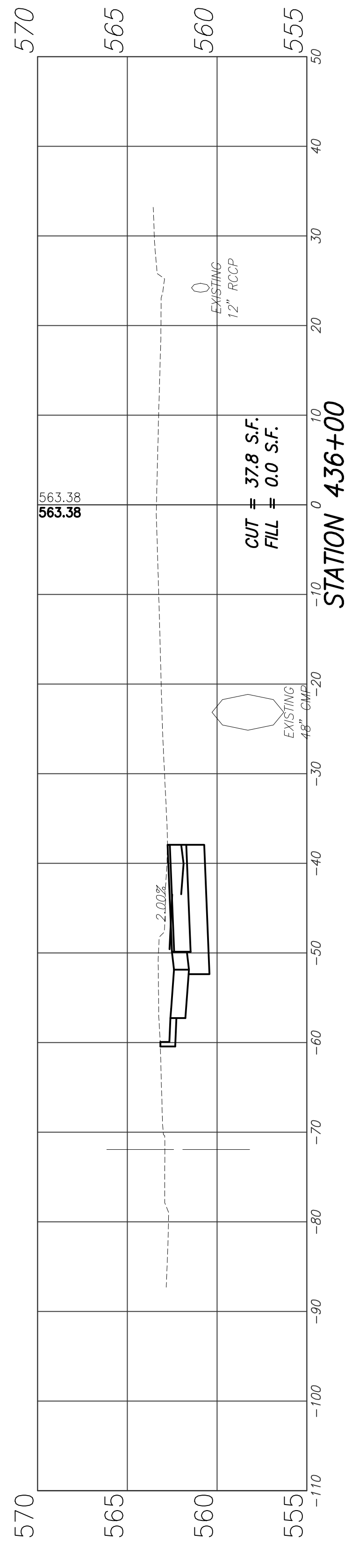
STATION 437+00



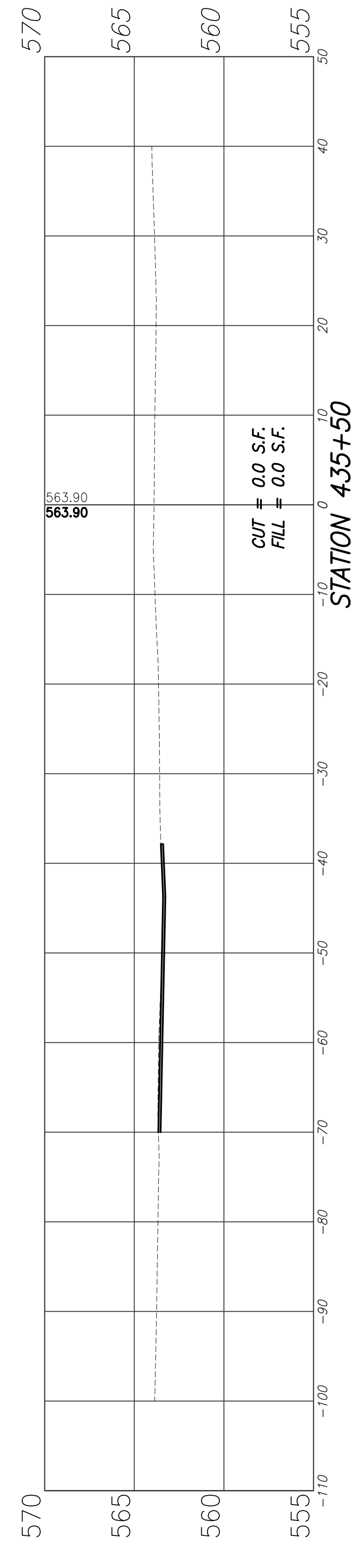
STATION 436+50



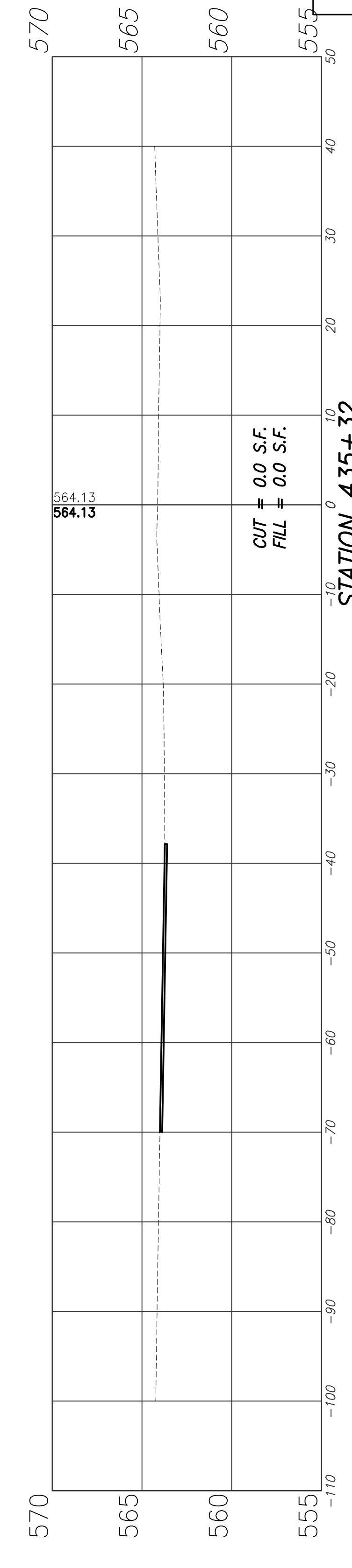
STATION 436+17 - C.E. LT.



STATION 436+00



STATION 435+50

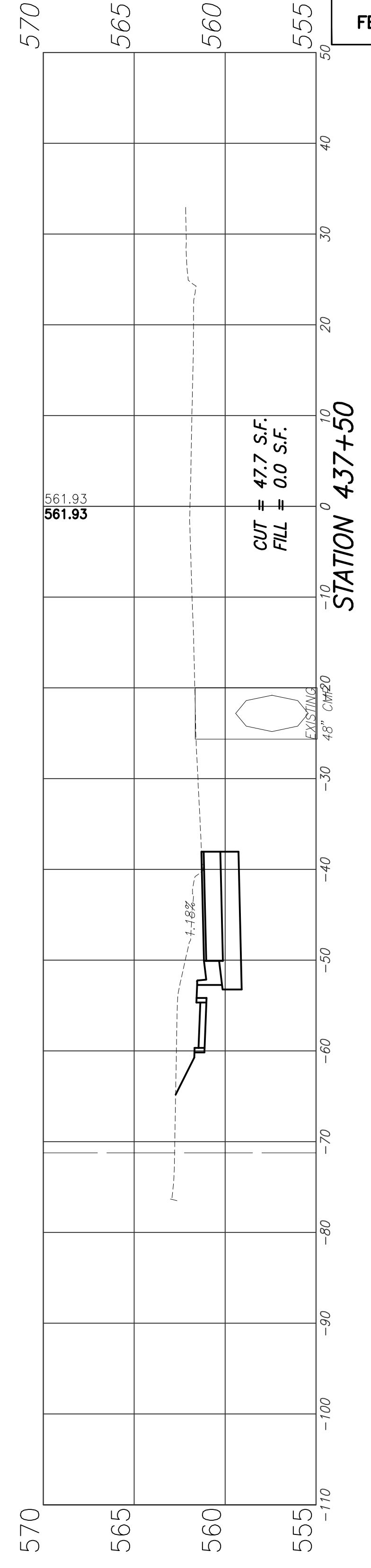
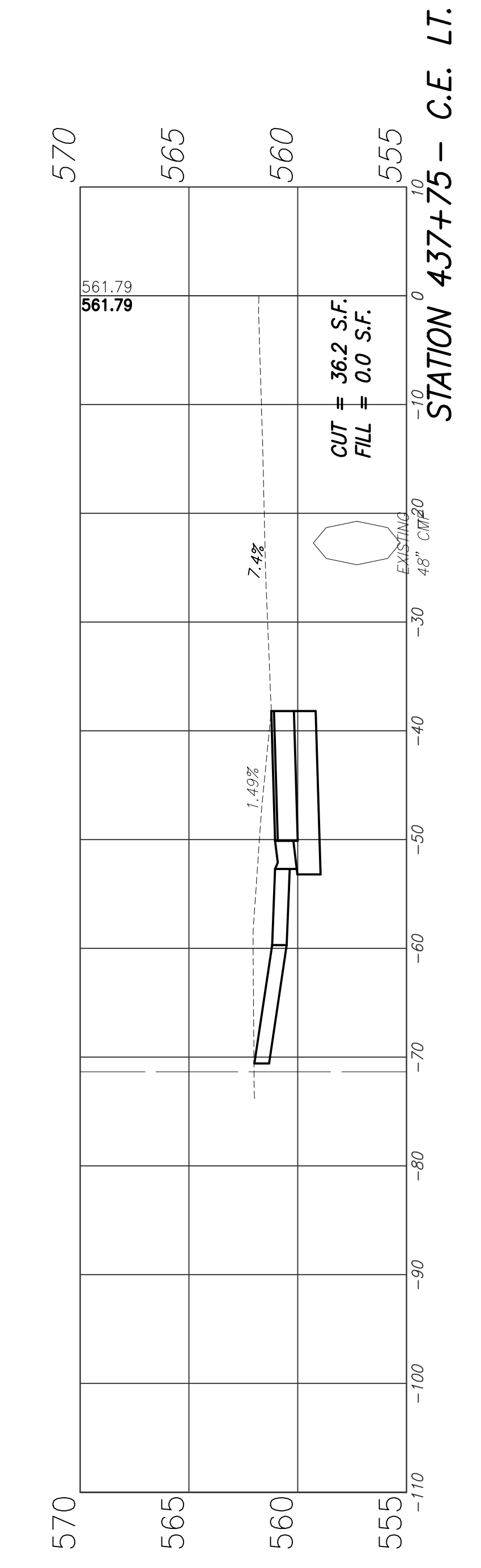
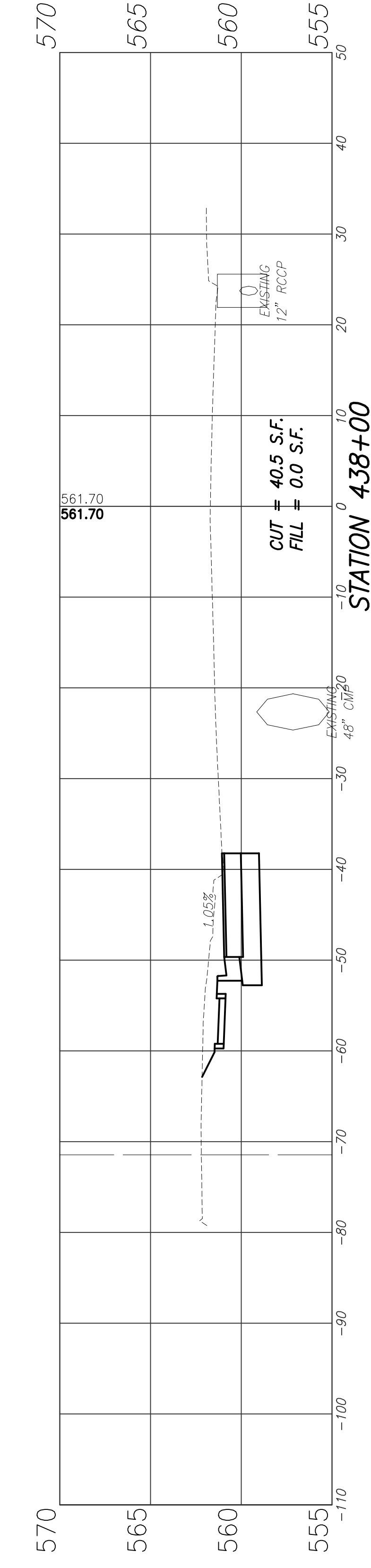
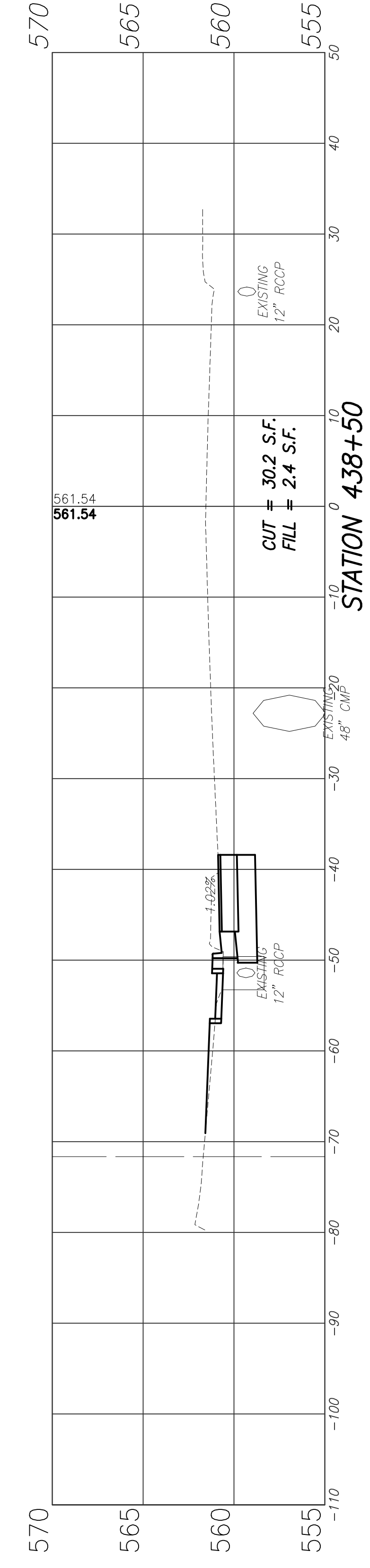
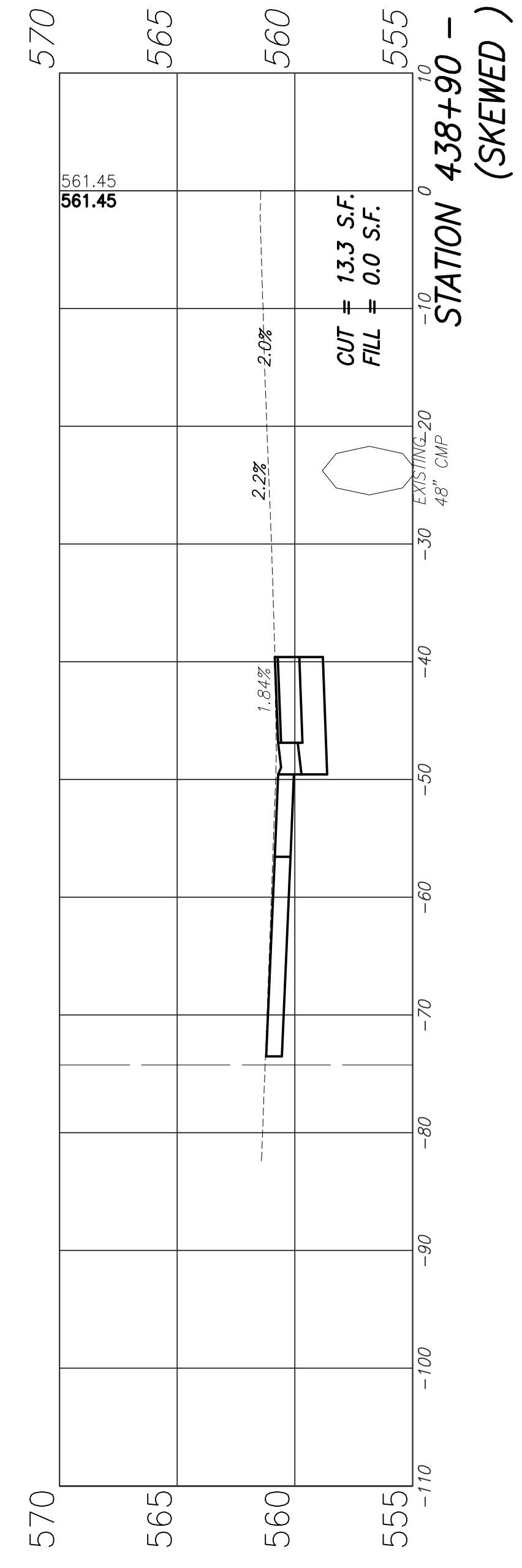
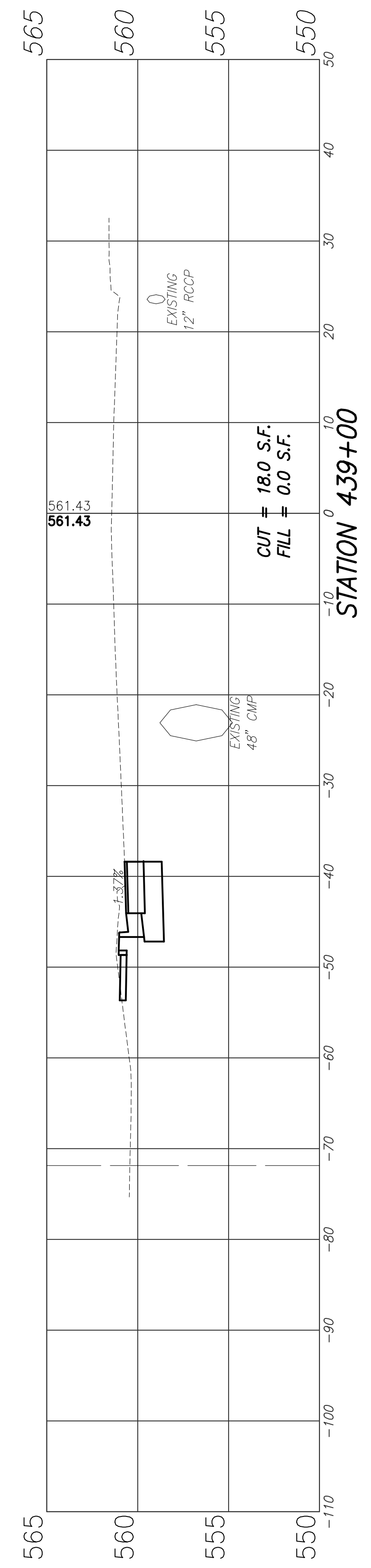


STATION 435+32

WEST U.S. 50 CROSS SECTIONS

WEST U.S. 50/OLD COLLINSVILLE ROAD INTERSECTION IMPROVEMENTS ST. CLAIR COUNTY, ILLINOIS	
<small>Engineer: Volkert, Inc. 1500 Eastport Plaza Drive, Suite 200 Collinsville, Illinois 62234</small>	
<small>DRAWN BY: PROJECT ENGINEER: APPROVED BY:</small>	CROSS SECTIONS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	22
FEDERAL AID PROJECT		CONTRACT 97779		



**WEST U.S. 50/OLD COLLINSVILLE
ROAD INTERSECTION
IMPROVEMENTS
ST. CLAIR COUNTY, ILLINOIS**

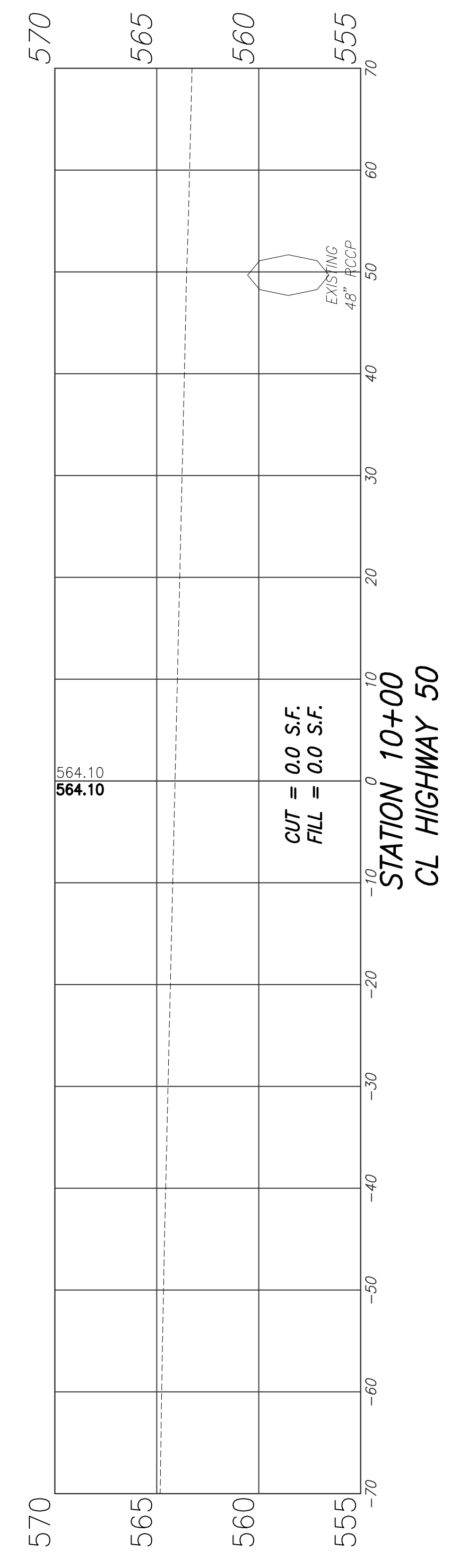
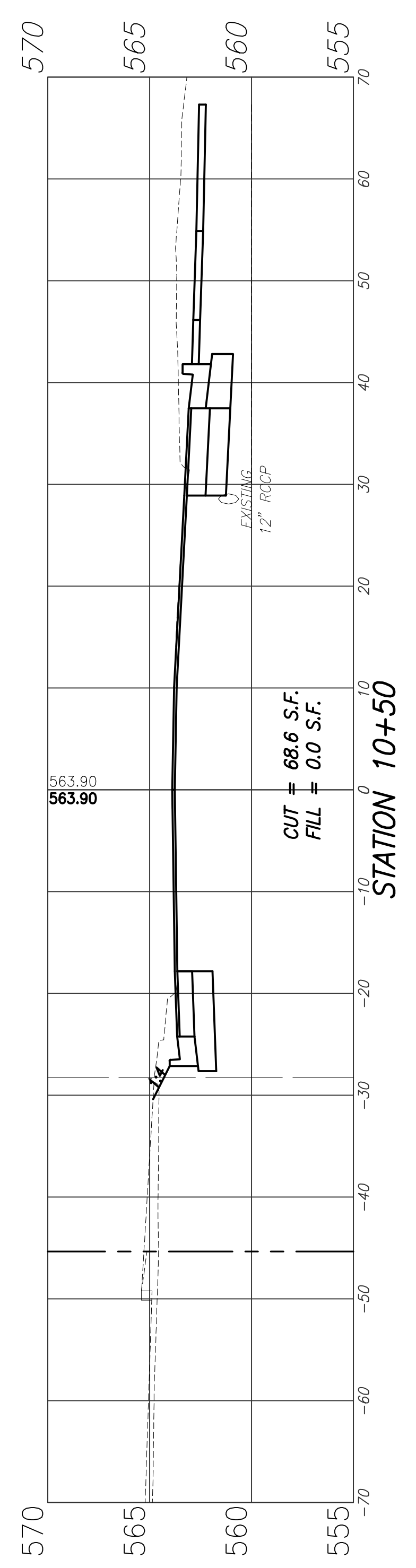
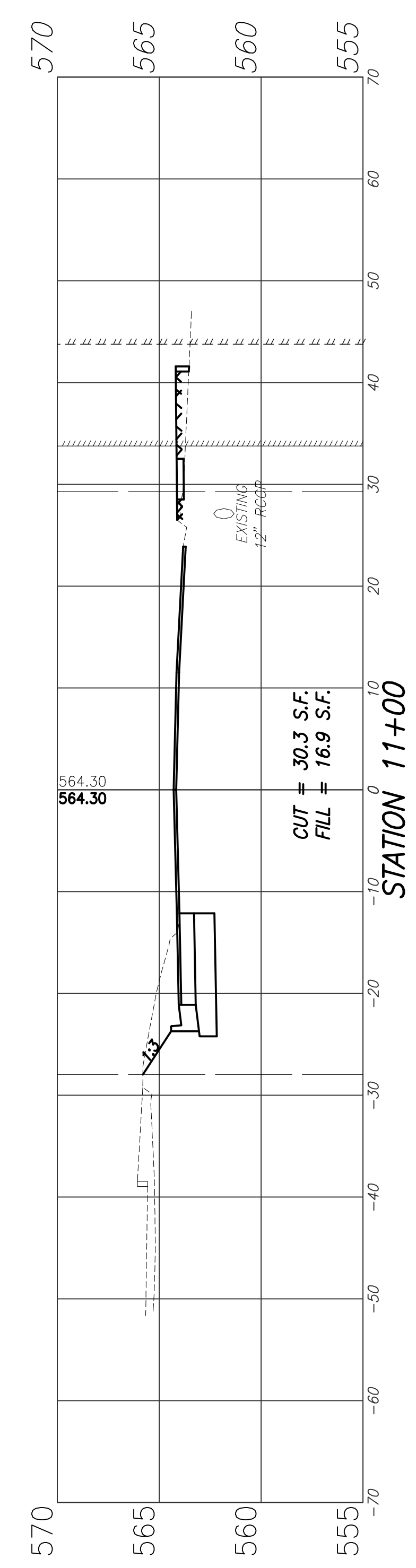
Engineer: Volkert, Inc.
1500 Eastport Plaza Drive, Suite 200
Collinsville, Illinois 62234

VOLKERT

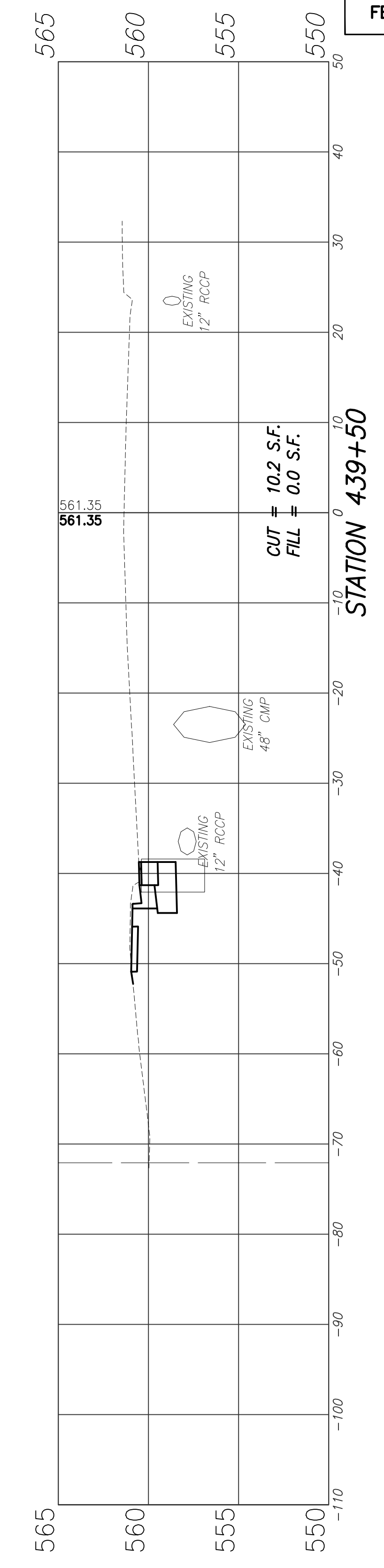
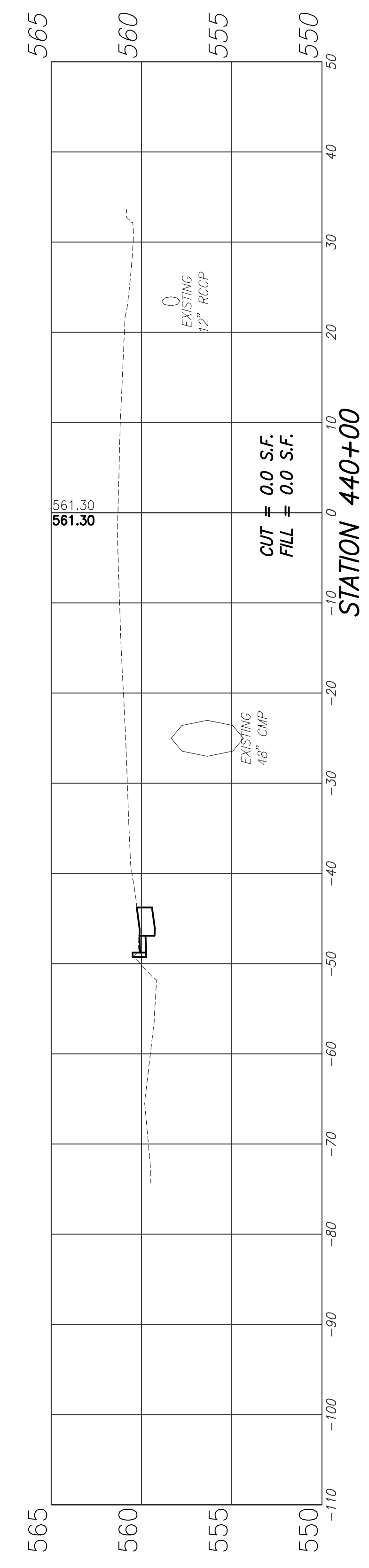
DRAWN BY:
PROJECT ENGINEER:
APPROVED BY:

**CROSS
SECTIONS**

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	23
FEDERAL AID PROJECT		CONTRACT 97779		



OLD COLLINSVILLE ROAD CROSS SECTIONS

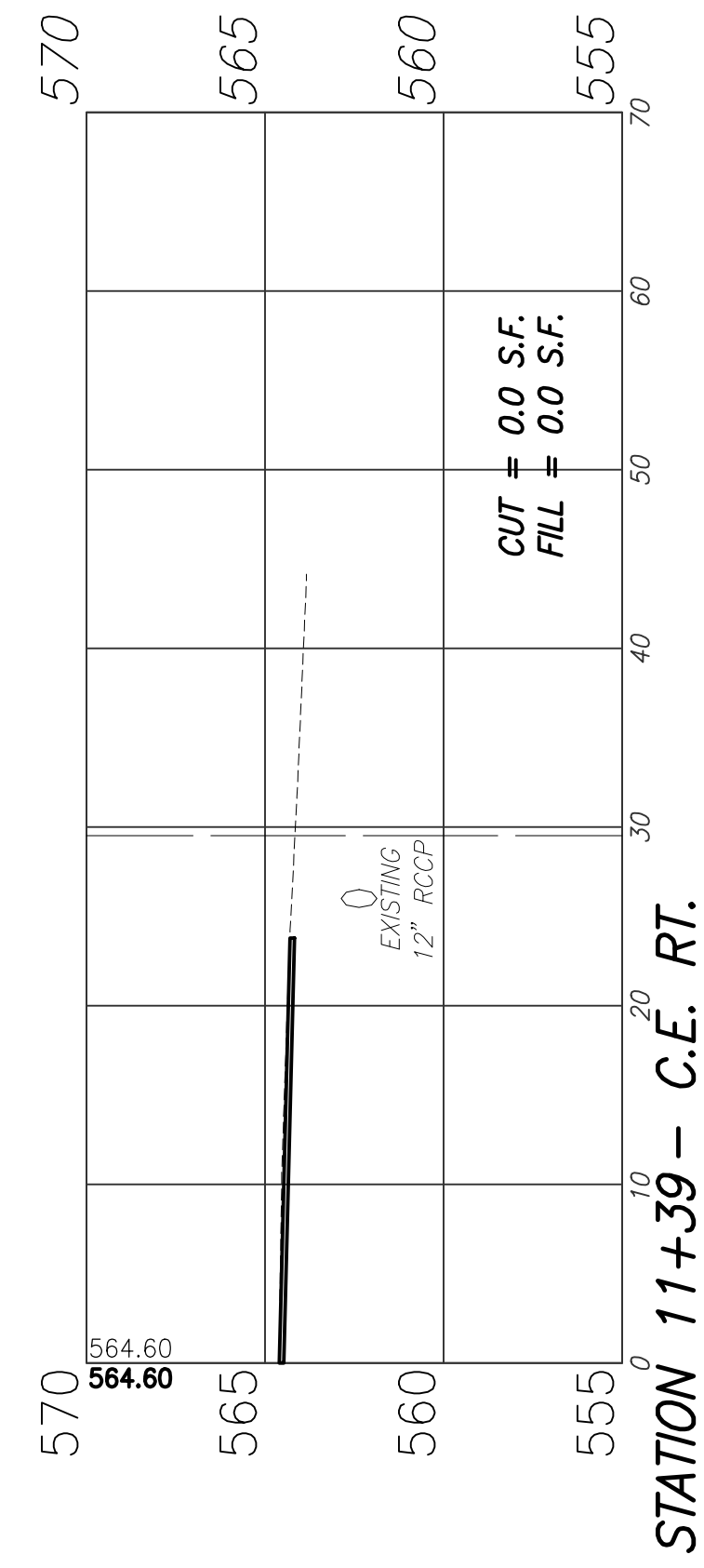
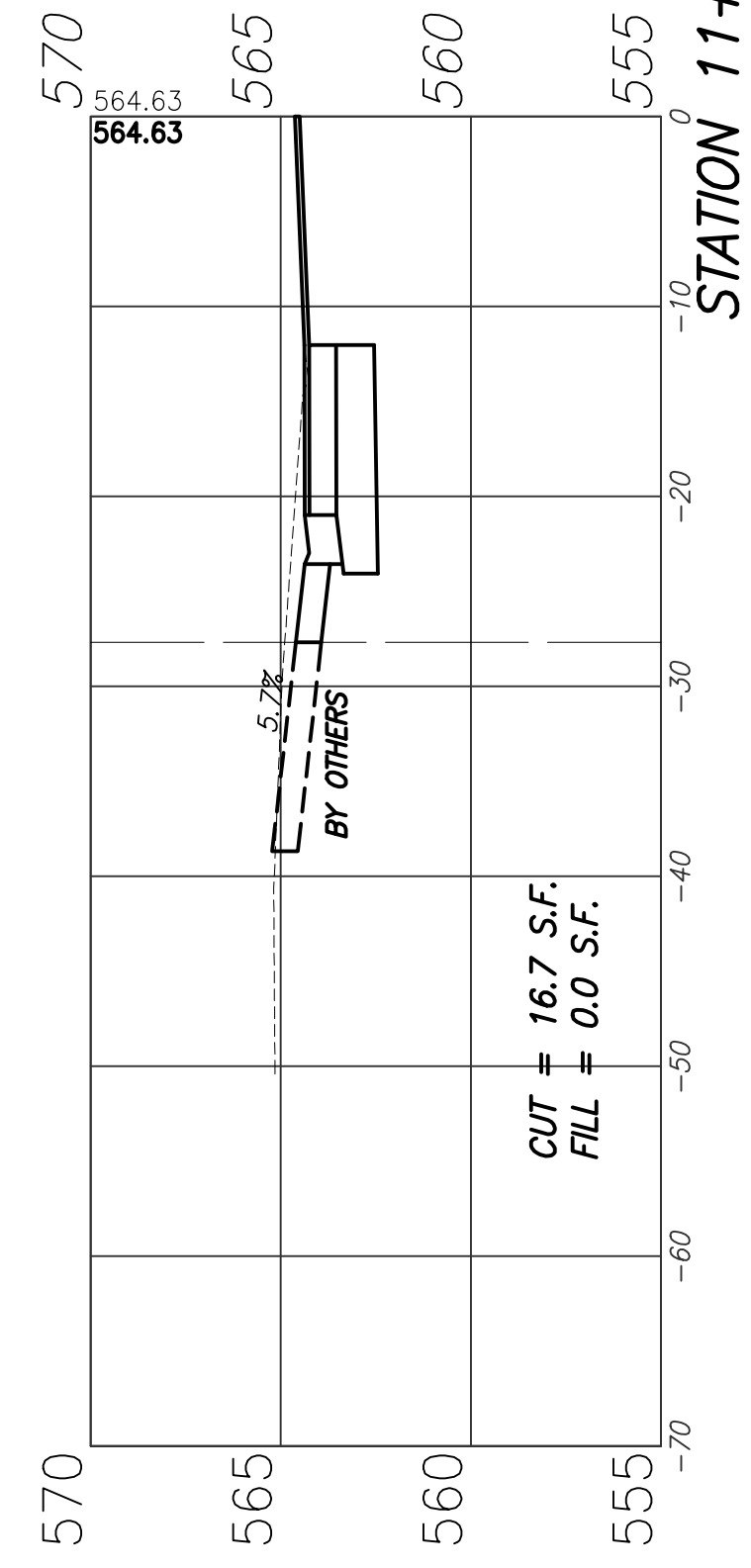
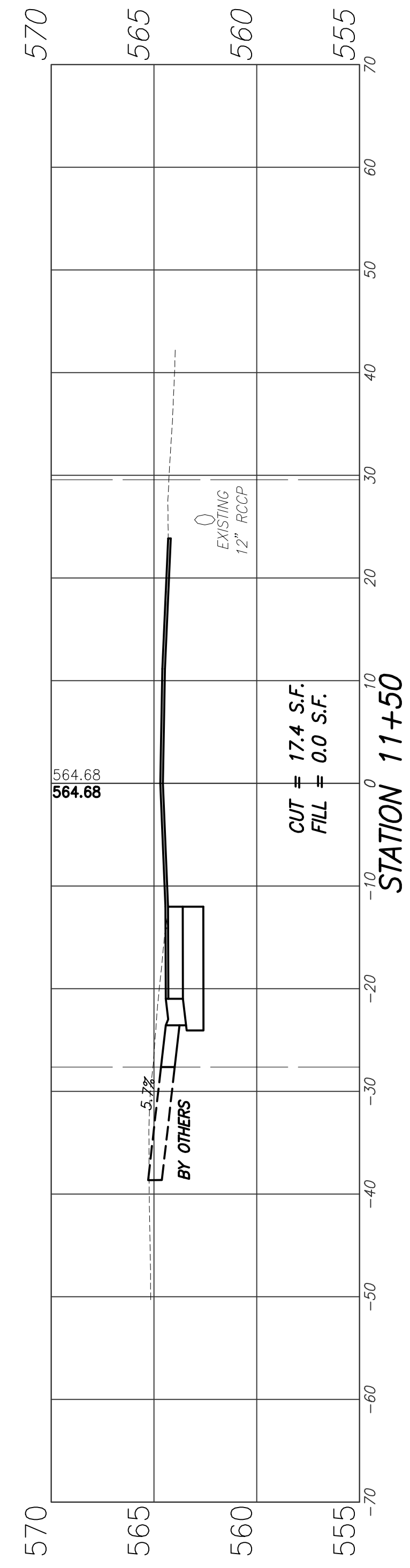
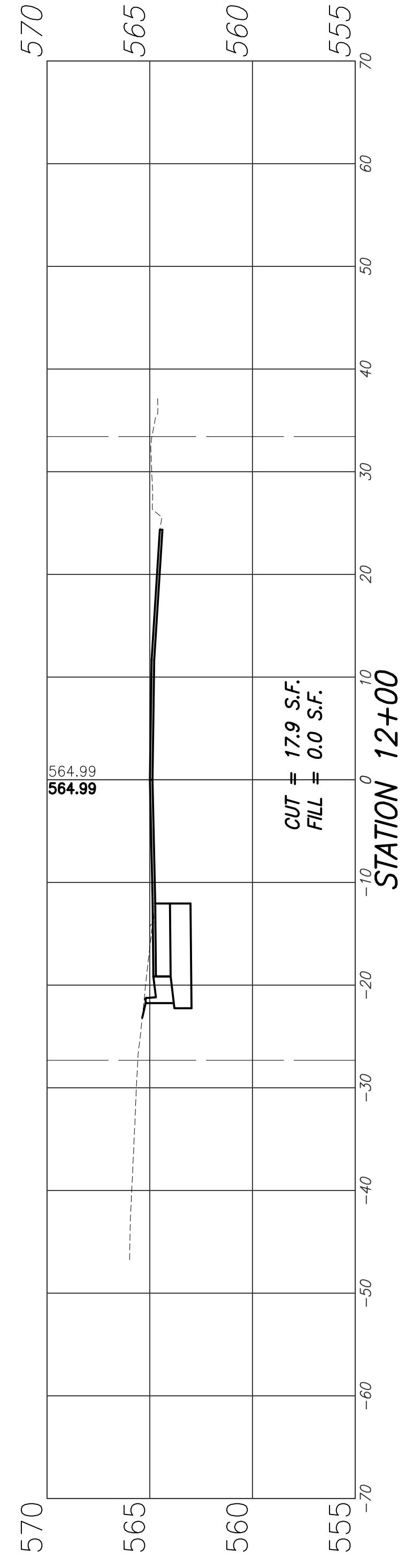
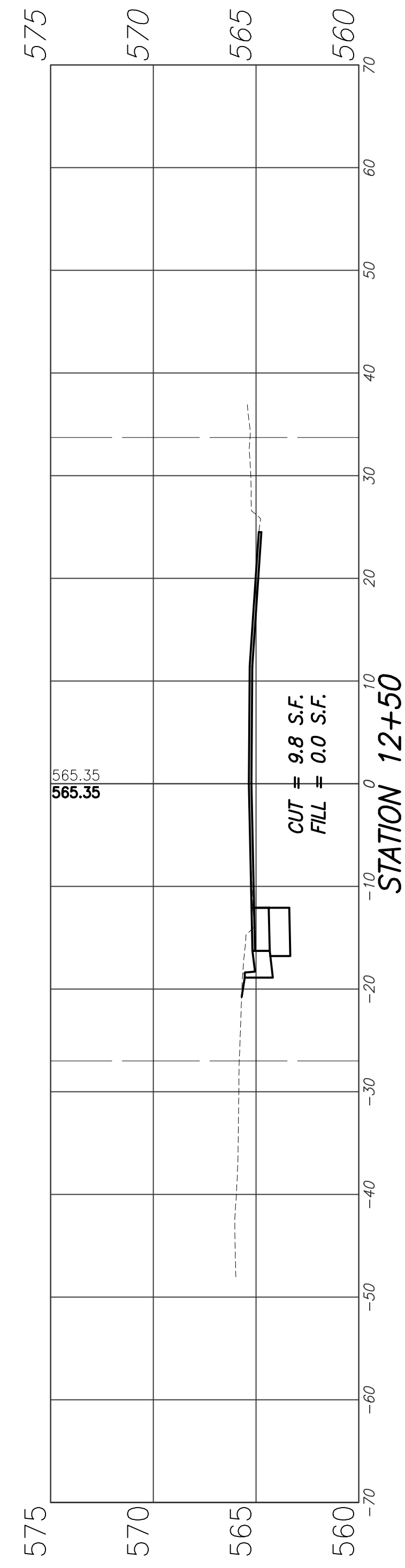
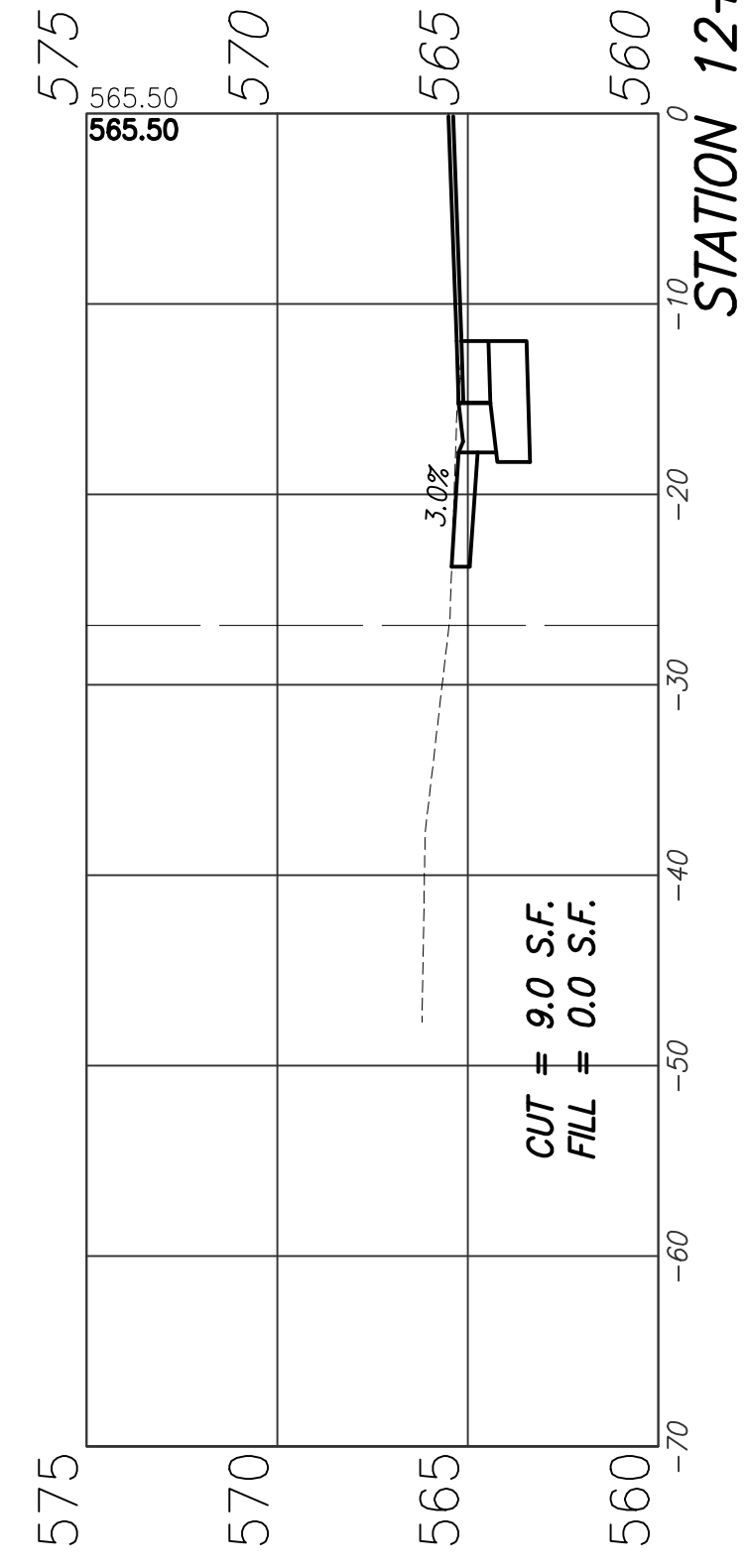
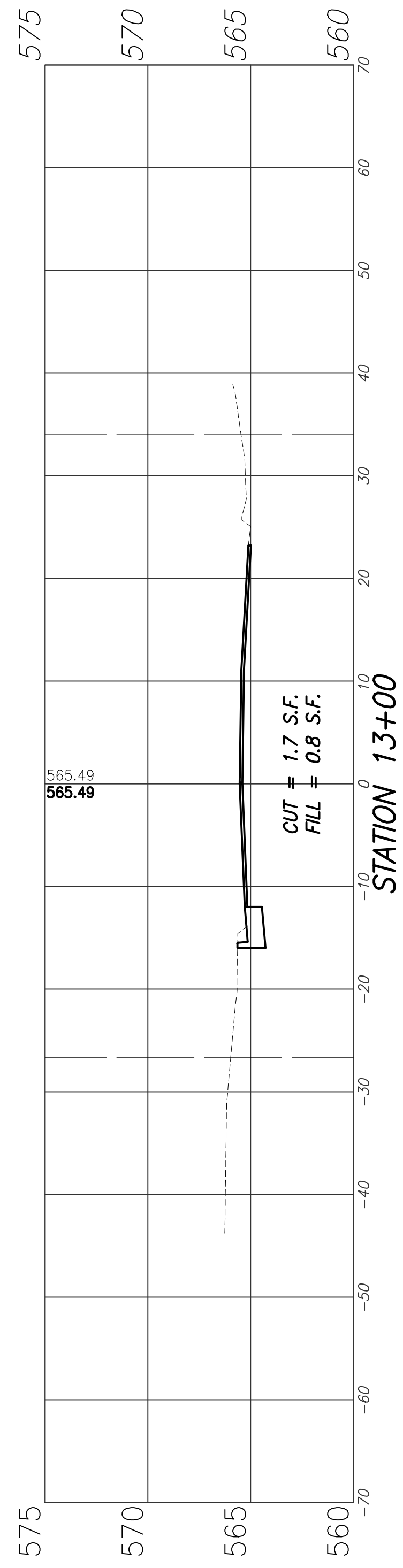


WEST U.S. 50/OLD COLLINSVILLE ROAD INTERSECTION IMPROVEMENTS ST. CLAIR COUNTY, ILLINOIS

VOLKERT Engineer: Volkert, Inc. 1500 Eastport Plaza Drive, Suite 200 Collinsville, Illinois 62234

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F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9166 9168	14-00067-00-PV	ST. CLAIR	24	24
FEDERAL AID PROJECT		CONTRACT 97779		



**WEST U.S. 50/OLD COLLINSVILLE
ROAD INTERSECTION
IMPROVEMENTS
ST. CLAIR COUNTY, ILLINOIS**

Engineer: Volkert, Inc.
1500 Eastport Plaza Drive, Suite 200
Collinsville, Illinois 62234

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