

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
TAP FUNDS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	1
		ILLINOIS	CONTRACT NO. 97710	

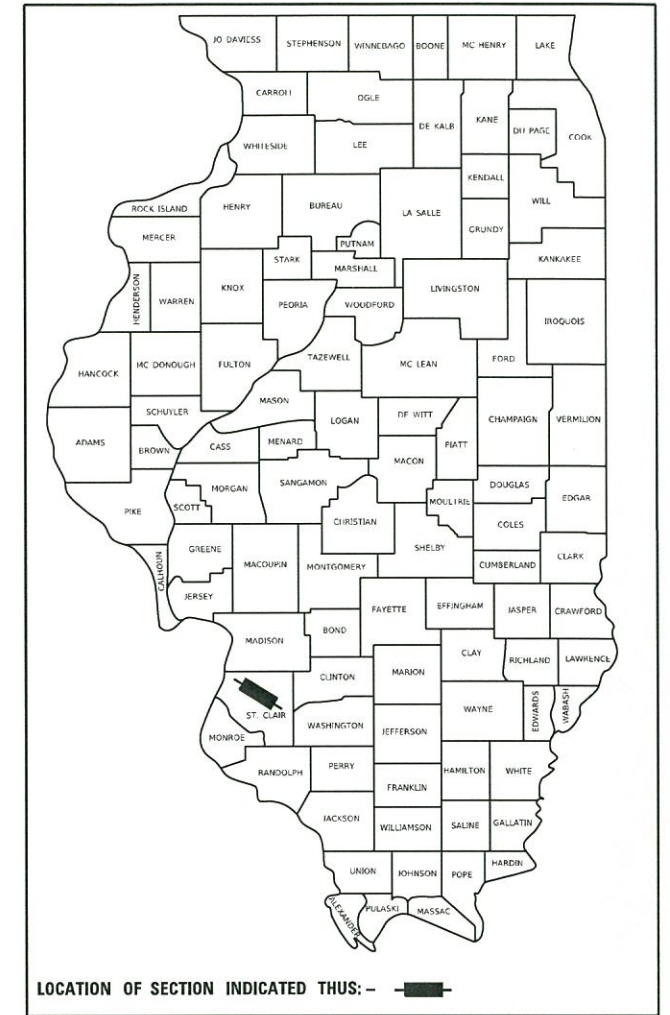
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FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

# PROPOSED HIGHWAY PLANS

VILLAGE OF SWANSEA  
FAU ROUTE 9293 (BOUL AVENUE)  
SECTION 17-00038-00-BT  
PROJECT LI09(139)  
MULTI-USE PATH  
ST. CLAIR COUNTY

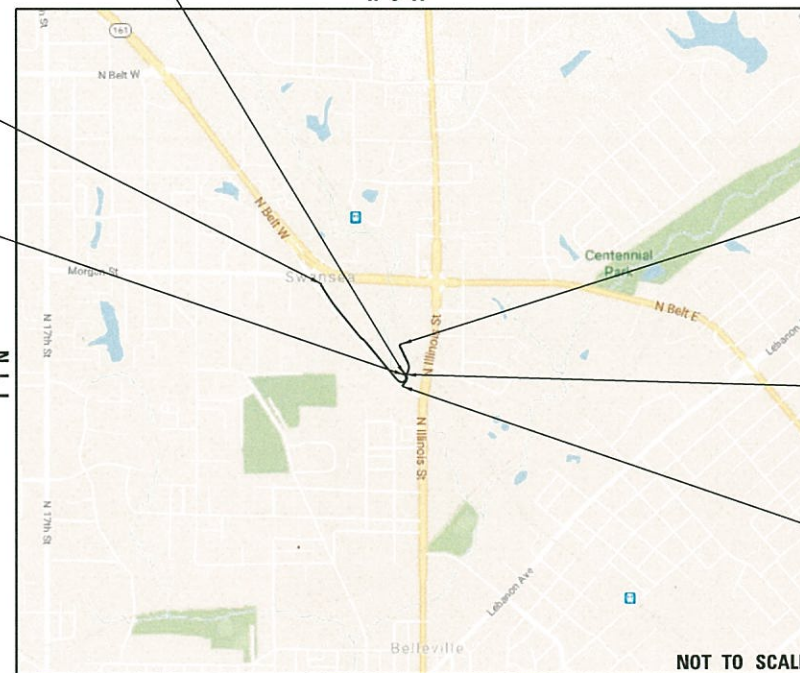


**BEGIN IMPROVEMENT  
TRAILHEAD PARK MULTI-USE PATH  
STA. 101 + 47.81**

**BEGIN IMPROVEMENT  
BOUL AVENUE MULTI-USE PATH  
STA. 0 + 03.51**

**END IMPROVEMENT  
BOUL AVENUE MULTI-USE PATH  
STA. 19 + 93.70**

C-98-005-20



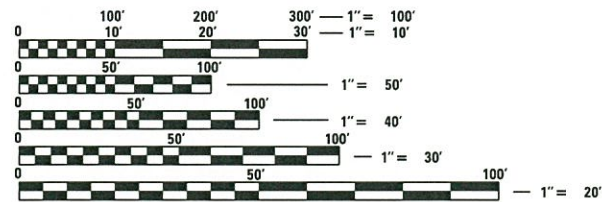
**END IMPROVEMENT  
TRAILHEAD PARK  
MULTI-USE PATH  
STA. 106 + 46.42**

**END IMPROVEMENT  
TRAILHEAD PARK ENTRANCE  
STA. 202 + 09.40**

**BEGIN IMPROVEMENT  
TRAILHEAD PARK  
ENTRANCE  
STA. 200 + 15.57**

**DESIGN DESIGNATION**

CLASSIFICATION: MULTI-USE PATH  
DESIGN SPEED: 18 MPH  
CURRENT ADT (2019): 0  
DESIGN YEAR ADT (2020): <200



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

**PROJECT MANAGER: JEFFREY REIS**

PLANS PREPARED BY:



4940 Old Collinsville Road  
Swansea, Illinois 62226  
Tel: 618.624.4488  
www.twm-inc.com  
Illinois Professional Design Firm  
No. 184-001220  
License Expires: 4/30/2021  
ILLINOIS - MISSOURI - TENNESSEE

GROSS LENGTH = 2682.63 FT. = 0.508 MILE  
BOUL AVENUE MULTI-USE PATH = 1990.19 FT. = 0.377 MILE  
TRAILHEAD PARK MULTI-USE PATH = 498.61 FT. = 0.094 MILE  
TRAILHEAD PARK ENTRANCE = 193.83 FT. = 0.037 MILE

NET LENGTH = 2682.49 FT. = 0.508 MILE  
BOUL AVENUE MULTI-USE PATH = 1990.19 FT. = 0.377 MILE  
TRAILHEAD PARK MULTI-USE PATH = 498.61 FT. = 0.094 MILE  
TRAILHEAD PARK ENTRANCE = 193.83 FT. = 0.037 MILE



*Jeffrey R. Reis*  
JEFFREY R. REIS, P.E. EXPIRATION DATE  
LICENSE NO. 062-063262 11-30-2019

VILLAGE OF SWANSEA	
APPROVED	8/7 2019 <i>[Signature]</i> VILLAGE OF SWANSEA, MAYOR
PASSED	September 16, 2019 <i>[Signature]</i> DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	September 16, 2019 <i>[Signature]</i> REGION FIVE ENGINEER

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OF THE STATE OF ILLINOIS**

**GENERAL**

FOR CODED PAY ITEM DESCRIPTIONS, INCLUDED ITEMS, AND ALL MATERIAL SPECIFICATIONS, PLEASE REFER TO THE LATEST EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AN AUTHORIZED SURVEYOR OR AGENT, HAVE WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE VILLAGE OF SWANSEA AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES OR WORK REQUIRING INSPECTION OR APPROVAL BY THE AFFECTED UNITS OF GOVERNMENT.

ANY REFERENCE TO AN IDOT HIGHWAY STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION, AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

**RAILROAD FLAGGER**

THIS WORK WILL SHALL BE PERFORMED IN ACCORDANCE WITH METRO'S STANDARD OPERATING PROCEDURE 101.17 POLICY AND PROCEDURE FOR WORK PERFORMED ON METRO R.O.W. AND AS DIRECTED BY THE ENGINEER. THE NEED FOR A FLAGGER WILL BE IDENTIFIED BY METRO'S PERMIT PROCESS, AND THE USE APPROVED OF BY THE ENGINEER PRIOR TO COMPLETING THE WORK. IF REQUIRED, THE CONTRACTOR SHALL SUBMIT A R.O.W. TEMPORARY WORK PERMIT TO METRO THE WEEK PRIOR TO PERFORMING THE WORK. AT THAT SAME TIME SAID PERMIT SHALL ALSO BE SUBMITTED TO THE ENGINEER. THIS WORK WILL BE PAID FOR AS TIME AND MATERIAL.

**TREE REMOVAL**

EVERY TREE SHALL BE SAVED, IF POSSIBLE. THE ENGINEER IN THE FIELD WILL VERIFY AND MARK ALL TREES REQUIRED TO BE REMOVED. SHOULD THE ENGINEER'S DECISION INCREASE OR DECREASE THE QUANTITIES OF WORK TO BE PERFORMED FROM THE PLANS, THE CONTRACTOR SHALL ACCEPT PAYMENT AS STATED IN ARTICLE 104.03 OF THE STANDARD SPECIFICATIONS. TREES OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED UNLESS DESIGNATED BY THE ENGINEER. THE VILLAGE OF SWANSEA SHOULD BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.

TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1 TO SEPTEMBER 30.

**TREE REPLACEMENT**

ANY TREE ON IDOT RIGHT-OF-WAY WITH DIAMETER LARGER THAN 6 INCHES SHALL BE MITIGATED FOR TREE REPLACEMENT PER IDOT POLICIES. ALL TREES SHALL BE PLACED ON IDOT RIGHT-OF-WAY. THE ENGINEER SHALL DETERMINE THE FINAL NUMBER OF TREES TO BE REMOVED AND REPLACED. THE LOCATION OF THE REPLACEMENT TREES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

**PROPERTY OWNER ACCESS**

PRIOR TO CONSTRUCTING ANY ENTRANCE, THE PROPERTY OWNER WILL BE NOTIFIED IN WRITING BY THE CONTRACTOR, INFORMING THEM OF CONSTRUCTION AND ESTIMATED DATES CONSTRUCTION WILL TAKE PLACE.

**UTILITIES**

UNLESS NOTED OTHERWISE, THE TYPE, SIZE, DEPTH AND LOCATION OF EXISTING GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS DELINEATED ON THE PLANS HAVE BEEN DETERMINED BY REVIEW OF AVAILABLE EXISTING "AS-BUILT" OR RECORD DRAWINGS, FIELD SURVEY OF J.U.L.I.E. MARKED UTILITIES, OR FIELD SURVEY OF ABOVE GROUND SURFACE UTILITY FEATURES. THE OWNER AND ENGINEER HAVE NOT UNDERTAKEN SUBSURFACE EXPLORATORY INVESTIGATIONS TO CONFIRM OR VERIFY THE UTILITIES SHOWN ON THESE PLANS; THEREFORE THEIR EXACT LOCATION, SIZE AND FUNCTION MUST BE CONSIDERED APPROXIMATE. THE EXISTING LOCATION OF ALL UNDERGROUND ELECTRIC, UNDERGROUND TELEPHONE, CABLE, SANITARY SEWER LINES, AND UNDERGROUND GAS LINES HAVE BEEN APPROXIMATED AT MINIMUM DEPTHS OF 30", 24", 24", 30", AND 30"-54"; RESPECTIVELY.

THE ENGINEER AND OWNER FURTHER DO NOT WARRANT THAT ALL UTILITIES HAVE BEEN ILLUSTRATED ON THE DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTACTING J.U.L.I.E. FOR FIELD VERIFICATION OF ALL UTILITIES ON THE SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF THE CONTRACTOR DETERMINES THAT SUBSTANTIAL DISCREPANCY EXISTS BETWEEN FIELD VERIFIED UTILITIES AND THESE PLANS, WHICH WOULD SIGNIFICANTLY AFFECT THE FUNCTION, COST, OR PERFORMANCE OF THE PROJECT, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND PROJECT DIRECTION.

**UTILITY CONTACTS**

ILLINOIS STATE LAW REQUIRES A FORTY-EIGHT (48) HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

AT&T (TELEPHONE) 618-624-4004	MCI COMMUNICATIONS (TELEPHONE) 888-624-5622
AMEREN IP (GAS & ELECTRIC) 800-755-5000	CLEARWAVE COMMUNICATIONS (TELEPHONE) 618-294-8000
ILLINOIS AMERICAN WATER CO. (WATER) 800-422-2782	WINDSTREAM (TELEPHONE) 800-347-1991
CHARTER COMMUNICATIONS (CABLE) 866-874-2389	ADB COMPANIES (TELEPHONE) 314-426-5200
FIDELITY COMMUNICATIONS (TELEPHONE) 800-392-8070	VILLAGE OF SWANSEA (SEWER) 618-234-0044

**DRAINAGE**

PROPOSED DITCHES OR SWALES SHALL BE CONSTRUCTED ACCORDING TO THE PLANS. COST SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE DURING VARIOUS STAGES OF CONSTRUCTION. THIS INCLUDES ALL LABOR MATERIALS USED BEYOND WHAT IS SPECIFIED IN THE PLANS. ITEMS SUCH AS TEMPORARY DITCHES AND PIPES DEEMED NECESSARY FOR MAINTAINING DRAINAGE ARE CONSIDERED TO BE THE RESPONSIBILITY OF THE CONTRACTOR AND WILL NOT BE PAID SEPARATELY.

THE STATION/OFFSET FOR TYPE 1 FRAME, TYPE 3 FRAME AND GRATE, TYPE 8 GRATE AND 4' X 4' OPEN THROAT INLET IS GIVEN FOR THE CENTER OF THE STRUCTURE.

THE ELEVATION (INDICATED BY TOS) FOR THE TYPE 3 FRAME AND GRATE IS THE EDGE OF PAVEMENT. THE ELEVATION (INDICATED BY TOS) FOR THE TYPE 8 GRATE IS THE HORIZONTAL RIM OF THE CASTING. THE ELEVATION (INDICATED BY TOS) FOR THE TYPE 1 FRAME AND THE 4' X 4' OPEN THROAT INLET IS THE TOP OF STRUCTURE.

**EROSION CONTROL**

ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE IMPLEMENTED AS SHOWN ON THE PLAN SHEETS. RIPRAP LAYOUT MAY BE VARIED TO SUIT GROUND CONDITIONS IN THE FIELD AS DIRECTED BY THE ENGINEER.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL EROSION AND DISPLACED SEDIMENT DOES NOT MIGRATE OFF SITE. IF UNEXPECTED EROSION OR SEDIMENTATION OCCURS, OR IF THE EROSION PLAN STRUCTURES BECOME DAMAGED, THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEASURES TO REPAIR, REPLACE, OR INSTALL EROSION CONTROL STRUCTURES TO ENSURE OFF-SITE DAMAGE DOES NOT OCCUR. ANY SEDIMENT OR EROSION DAMAGE WHICH OCCURS OFF-SITE SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OR HER EXPENSE.

**TRAFFIC CONTROL**

TRAFFIC CONTROL SIGNS SHALL BE 48" FLUORESCENT ORANGE.

**SIGNS**

EXISTING SIGNS SHALL BE REMOVED, STORED, AND RE-ERECTED AS SHOWN IN THE PLANS.

SIGNS NOT RE-ERECTED WILL REVERT BACK TO RESPONSIBLE PARTY.

**HIGHWAY STANDARDS**

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424031-02	MEDIAN PEDESTRIAN CROSSING
602301-04	INLET - TYPE A
602306-03	INLET - TYPE B
602401-06	PRECAST MANHOLE TYPE A 4' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
604006-05	FRAME AND GRATE TYPE 3
604036-03	GRATE TYPE 8
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS


**COMMITMENTS**

NONE

**MIX DESIGN CHART**

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE USE	SURFACE
AC / PG	PG64-22
RAP % (MAX)	SEE SPECIAL PROVISIONS
DESIGN AIR VOIDS	4.0% @ Ndes = 50
MIX COMPOSITION (GRADUATION MIXTURE)	IL 9.5
FRICTION AGG	MIXTURE "C"
QUALITY MGMT PROGRAM	QC / QA


NOTE:  
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 0.056 TONS/SQ YD/IN.

USER NAME = esm1n	DESIGNED -	REVISED -	<b>THOUVENOT, WADE &amp; MOERCHEN, INC.</b> CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.524.8988  EXCEPTIONAL SERVICE. NOTHING LESS.	<b>BOUL AVENUE MULTI-USE PATH</b>	<b>GENERAL NOTES, HIGHWAY STANDARDS, COMMITMENTS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 10,000' = 1" in.	CHECKED -	REVISED -			92B3	17-00038-00-BT	ST. CLAIR	52	2			
PLOT DATE = 9/11/2019	DATE -	REVISED -			SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.			CONTRACT NO. 97710				

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY
△ 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	78
△ 20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18
20200100	EARTH EXCAVATION	CU YD	1080
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100
20400800	FURNISHED EXCAVATION	CU YD	2515
20800150	TRENCH BACKFILL	CU YD	39
△ 25000110	SEEDING, CLASS 1A	ACRE	1.25
△ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	120
△ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	120
△ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	120
△ 25100115	MULCH, METHOD 2	ACRE	1.25
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	260
28000305	TEMPORARY DITCH CHECKS	FOOT	477
28000400	PERIMETER EROSION BARRIER	FOOT	796
28000500	INLET AND PIPE PROTECTION	EACH	13

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY
28100105	STONE RIPRAP, CLASS A3	SQ YD	169
28200200	FILTER FABRIC	SQ YD	169
30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	205
35101400	AGGREGATE BASE COURSE, TYPE B	TON	1152
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	209
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	6444
40604000	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5FG, MIX "C", N50	TON	353
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	597
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	2325
42400800	DETECTABLE WARNINGS	SQ FT	47
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	762
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	270
44004000	PAVED DITCH REMOVAL	FOOT	143
44004250	PAVED SHOULDER REMOVAL	SQ YD	382
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	78

△ SPECIALTY ITEMS

USER NAME = esmith	DESIGNED -	REVISED -	<b>THOUVENOT, WADE &amp; MOERCHEN, INC.</b> CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.524.4488 Fax: 618.824.8888 SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES	 EXCEPTIONAL SERVICE. NOTHING LESS.	<b>BOUL AVENUE MULTI-USE PATH</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 40,000' / in.	DRAWN -	REVISED -							9293	17-00038-00-BT	ST. CLAIR	52	3
PLOT DATE = 8/5/2019	CHECKED -	REVISED -				SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT			CONTRACT NO. 97710	

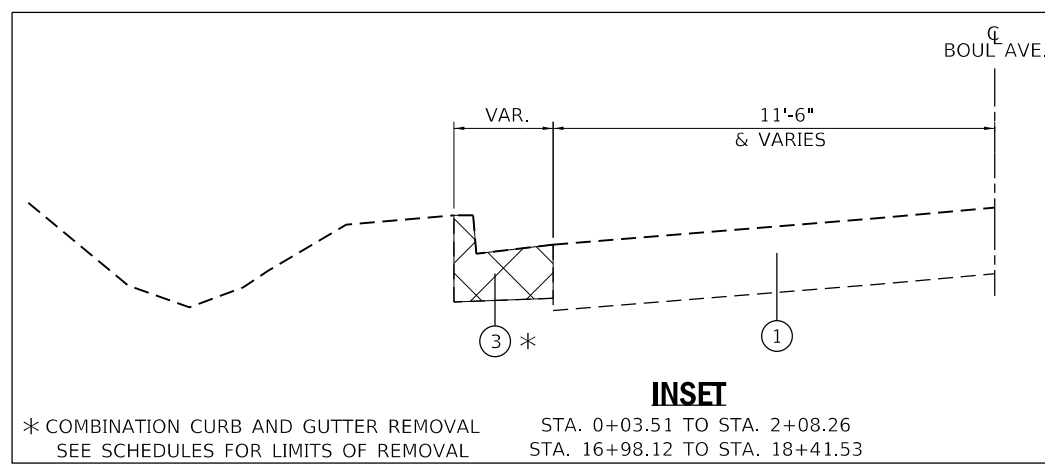
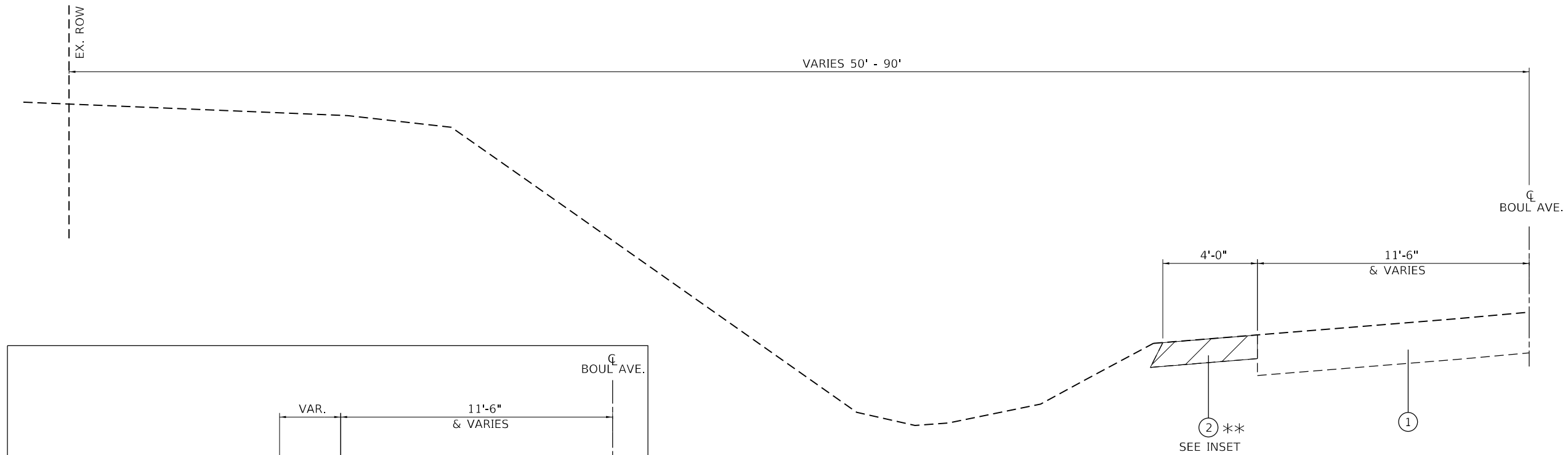
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY
50105220	PIPE CULVERT REMOVAL	FOOT	88
54210182	PIPE ELBOW, 12"	EACH	1
54262712	METAL FLARED END SECTIONS 12"	EACH	4
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	166
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	349
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	49
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1-FRAME, CLOSED LID	EACH	1
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	5
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	4
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1
60255500	MANHOLES TO BE ADJUSTED	EACH	2
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1
60500060	REMOVING INLETS	EACH	1
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	863
△ 66900105	UNDERGROUND STORAGE TANK REMOVAL	EACH	1

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY
△ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	590
△ 66900530	SOIL DISPOSAL ANALYSIS	EACH	1
△ 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1
△ 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	3
66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1
67100100	MOBILIZATION	L SUM	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	90
△ 72000100	SIGN PANEL - TYPE 1	SQ FT	53
△ 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	115
△ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2720
△ 78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	230
△ 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	370
△ 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	50
Z0004002	BOLLARDS	EACH	7
△ Z0077700	WOOD FENCE TO BE REMOVED AND RE-ERECTED	FOOT	73

△ SPECIALTY ITEMS

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PLOT SCALE = 40.0000 / in	CHECKED -	REVISED -							9293	17-00038-00-BT	ST. CLAIR	52	4
PLOT DATE = 8/5/2019	DATE -	REVISED -				SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT CONTRACT NO. 97710				





**EXISTING TYPICAL SECTION  
BOUL AVENUE MULTI-USE PATH**

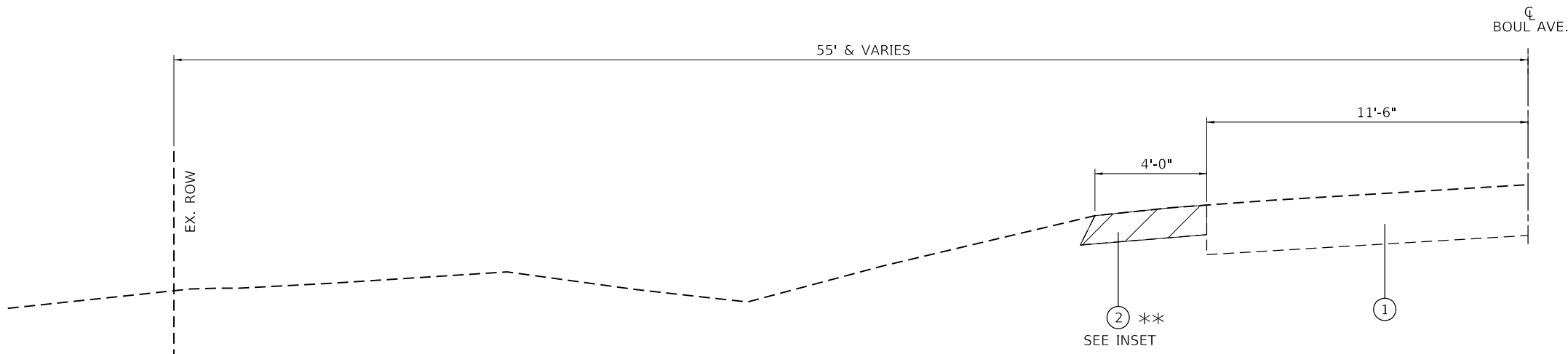
STA. 0+03.51 TO STA. 10+00.00

\*\* PAVED SHOULDER REMOVAL  
SEE SCHEDULES FOR LIMITS OF REMOVAL

\* COMBINATION CURB AND GUTTER REMOVAL  
SEE SCHEDULES FOR LIMITS OF REMOVAL

**INSET**

STA. 0+03.51 TO STA. 2+08.26  
STA. 16+98.12 TO STA. 18+41.53



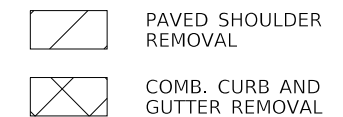
**EXISTING TYPICAL SECTION  
BOUL AVENUE MULTI-USE PATH**

STA. 10+00.00 TO STA. 18+41.53

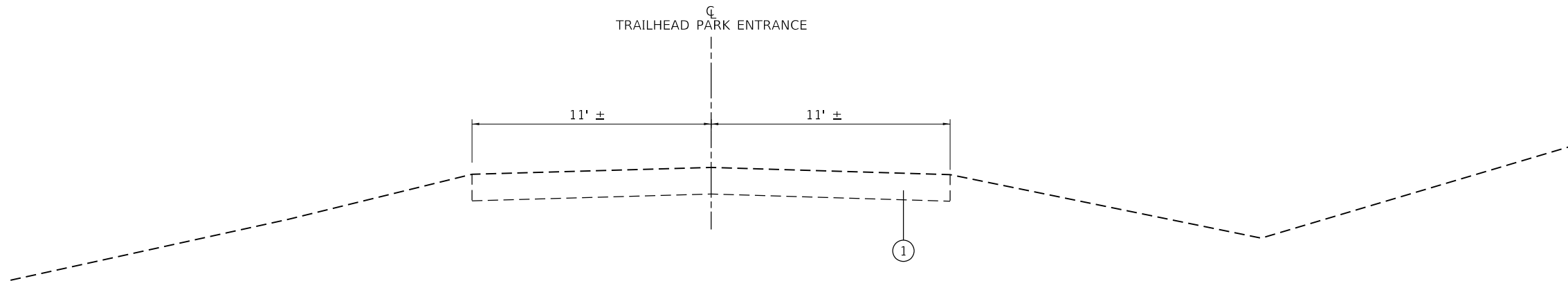
\*\* PAVED SHOULDER REMOVAL  
SEE SCHEDULES FOR LIMITS OF REMOVAL

**LEGEND**

- ① EX. HMA PAVEMENT
- ② EX. HMA SHOULDER
- ③ EX. CURB & GUTTER
- ④ PR. COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑤ PR. AGGREGATE BASE COURSE, TYPE B, 6"
- ⑥ PR. AGGREGATE BASE COURSE, TYPE B, 8"
- ⑦ PR. HMA SURFACE COURSE, IL-9.5FG, MIX "C", N50, 2"
- ⑧ PR. HMA SURFACE COURSE, IL-9.5FG, MIX "C", N50, 3"
- ⑨ PR. PCC SIDEWALK, 4"
- ⑩ PR. HMA SHOULDER, 8"
- ⑪ PR. BITUMINOUS MATERIALS (PRIME COAT)
- ⑫ PR. EMBANKMENT
- ⑬ PR. EARTH EXCAVATION



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PLOT SCALE = 5,0000' / in.	DRAWN -	REVISED -			9293	17-00038-00-BT	ST. CLAIR	52	6			
PLOT DATE = 8/5/2019	CHECKED -	REVISED -			SCALE: N.T.S. SHEET 1 OF 6 SHEETS STA. TO STA.			CONTRACT NO. 97710		ILLINOIS FED. AID PROJECT		
	DATE -	REVISED -	SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES									

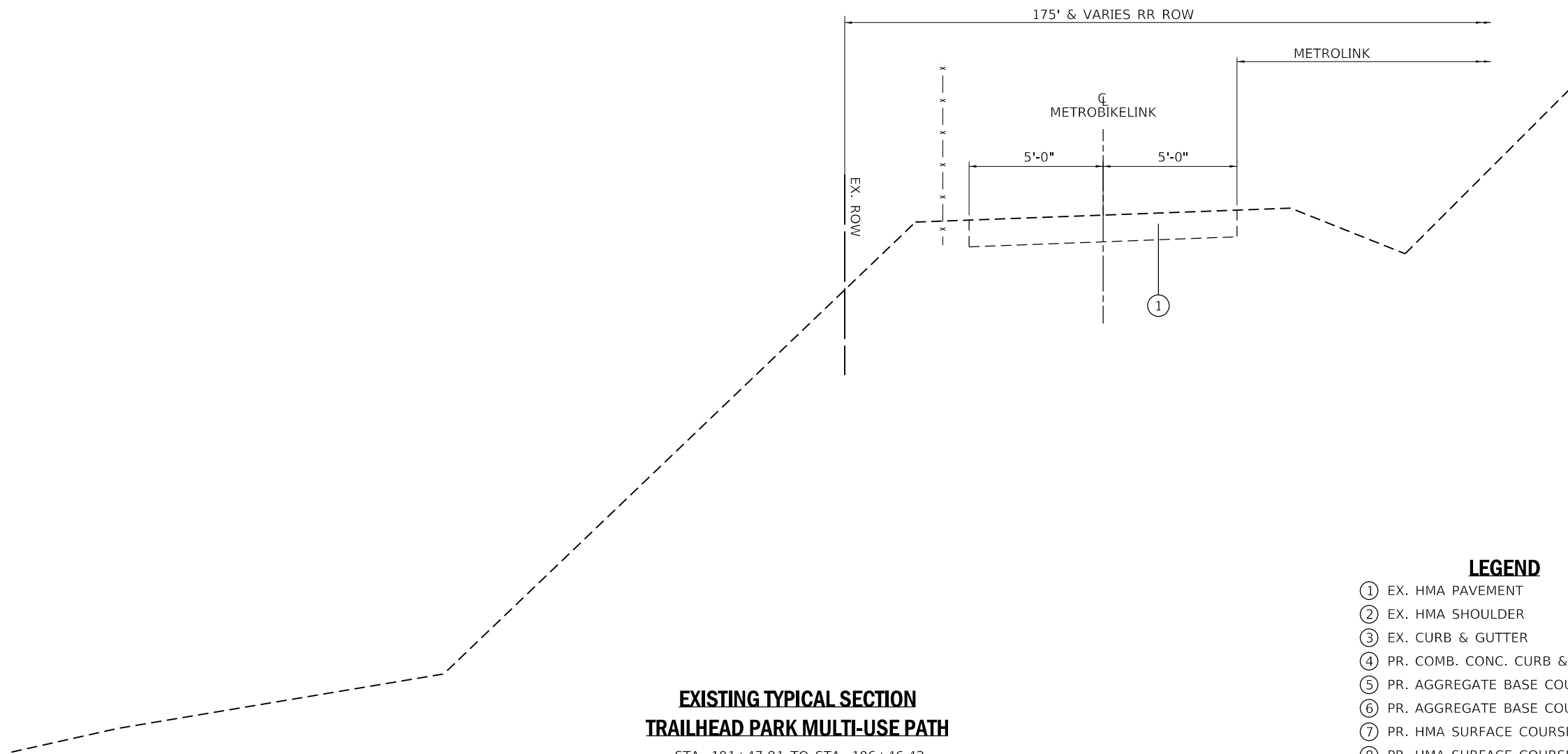


**EXISTING TYPICAL SECTION  
BOUL AVENUE MULTI-USE PATH**

STA. 18+41.53 TO STA. 19+93.70

**EXISTING TYPICAL SECTION  
TRAILHEAD PARK ENTRANCE**

STA. 200+15.57 TO STA. 202+09.40  
STA. 202+09.40 = STA. 101+58.81 TRAILHEAD PARK MULTI-USE PATH






**EXISTING TYPICAL SECTION  
TRAILHEAD PARK MULTI-USE PATH**

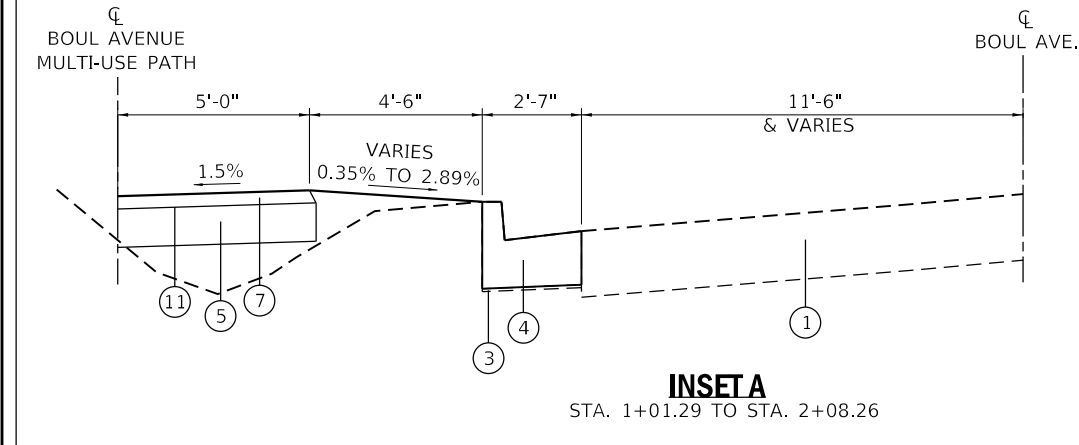
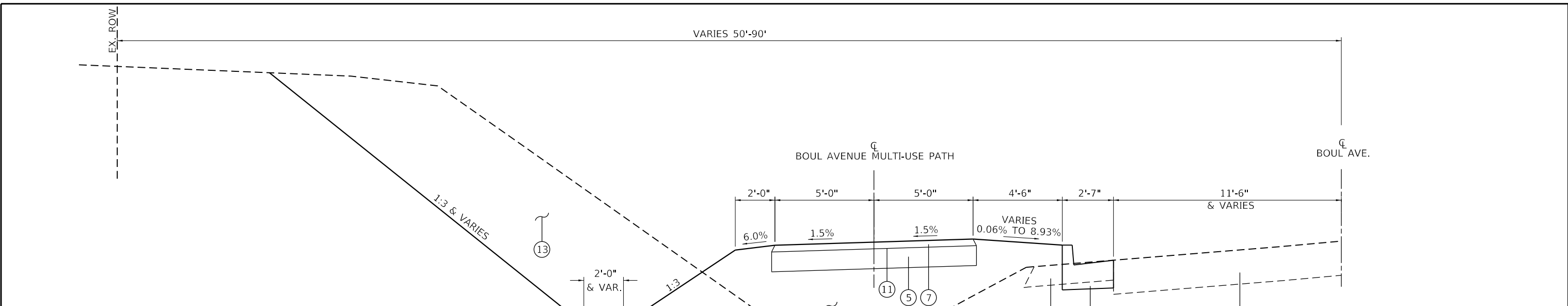
STA. 101+47.81 TO STA. 106+46.42  
STA. 101+47.81 = STA. 19+88.70 BOUL AVENUE MULTI-USE PATH

**LEGEND**

- ① EX. HMA PAVEMENT
- ② EX. HMA SHOULDER
- ③ EX. CURB & GUTTER
- ④ PR. COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑤ PR. AGGREGATE BASE COURSE, TYPE B, 6"
- ⑥ PR. AGGREGATE BASE COURSE, TYPE B, 8"
- ⑦ PR. HMA SURFACE COURSE, IL-9.5FG, MIX "C", N50, 2"
- ⑧ PR. HMA SURFACE COURSE, IL-9.5FG, MIX "C", N50, 3"
- ⑨ PR. PCC SIDEWALK, 4"
- ⑩ PR. HMA SHOULDER, 8"
- ⑪ PR. BITUMINOUS MATERIALS (PRIME COAT)
- ⑫ PR. EMBANKMENT
- ⑬ PR. EARTH EXCAVATION

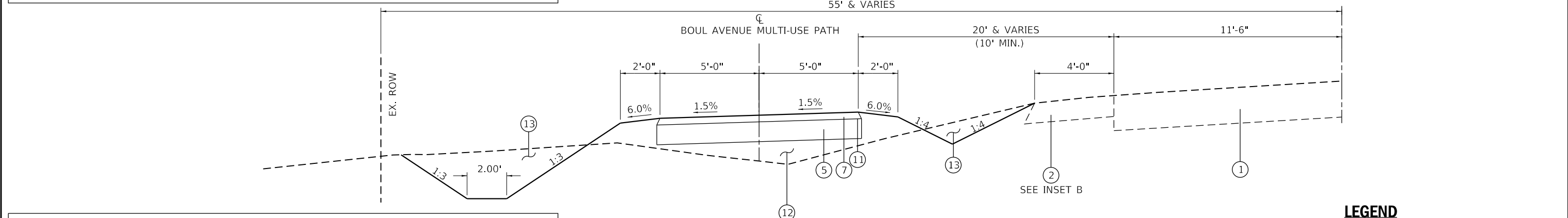
-  PAVED SHOULDER REMOVAL
-  COMB. CURB AND GUTTER REMOVAL

USER NAME = esmith	DESIGNED -	REVISED -	<b>THOUVENOT, WADE &amp; MOERCHEN, INC.</b> <small>CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.6688</small>  <small>EXCEPTIONAL SERVICE. NOTHING LESS.</small>	<b>BOUL AVENUE MULTI-USE PATH</b>	<b>EXISTING TYPICAL SECTIONS TRAILHEAD PARK MULTI-USE PATH</b>		F.A.U. RTE. 9293	SECTION 17-00038-00-BT	COUNTY ST. CLAIR	TOTAL SHEETS 52	SHEET NO. 7
PLOT SCALE = 5,0000' / in.	DRAWN -	REVISED -			SCALE: N.T.S.	SHEET 2 OF 6 SHEETS	STA. TO STA.	CONTRACT NO. 97710		ILLINOIS FED. AID PROJECT	
PLOT DATE = 8/5/2019	CHECKED -	REVISED -									



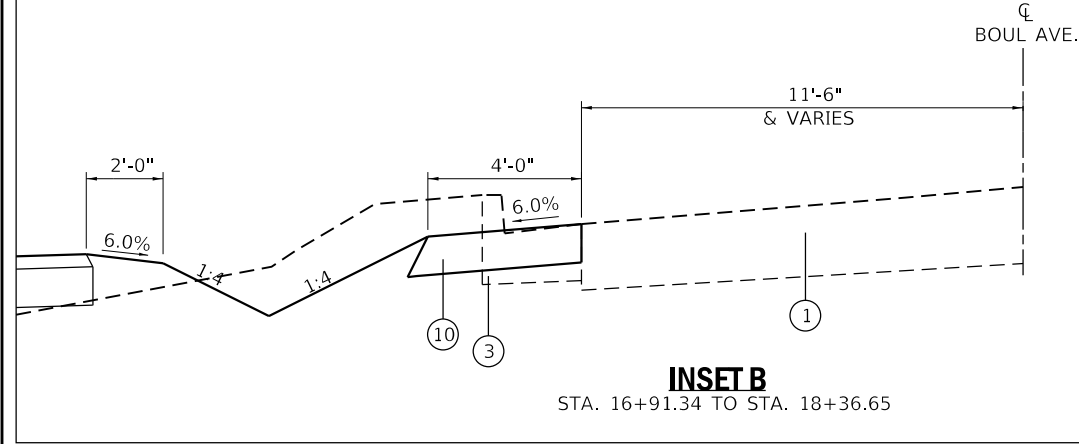
**PROPOSED TYPICAL SECTION  
BOUL AVENUE MULTI-USE PATH**  
STA. 0+03.51 TO STA. 10+00.00

MULTI-USE PATH  
USERS PER PEAK HOUR  
≤ 25 (ESTIMATED 2020)



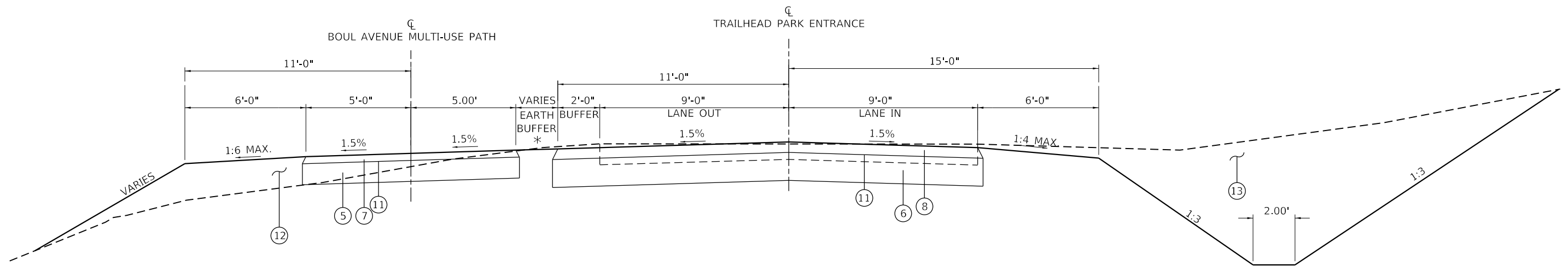
**PROPOSED TYPICAL SECTION  
BOUL AVENUE MULTI-USE PATH**  
STA. 10+00.00 TO STA. 18+36.65

- LEGEND**
- ① EX. HMA PAVEMENT
  - ② EX. HMA SHOULDER
  - ③ EX. CURB & GUTTER
  - ④ PR. COMB. CONC. CURB & GUTTER, TYPE B-6.24
  - ⑤ PR. AGGREGATE BASE COURSE, TYPE B, 6"
  - ⑥ PR. AGGREGATE BASE COURSE, TYPE B, 8"
  - ⑦ PR. HMA SURFACE COURSE, IL-9.5FG, MIX "C", N50, 2"
  - ⑧ PR. HMA SURFACE COURSE, IL-9.5FG, MIX "C", N50, 3"
  - ⑨ PR. PCC SIDEWALK, 4"
  - ⑩ PR. HMA SHOULDER, 8"
  - ⑪ PR. BITUMINOUS MATERIALS (PRIME COAT)
  - ⑫ PR. EMBANKMENT
  - ⑬ PR. EARTH EXCAVATION



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PLOT SCALE = 5,0000' / in.	DRAWN -	REVISED -				SCALE: N.T.S.	SHEET 3	OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 97710			
PLOT DATE = 8/5/2019	CHECKED -	REVISED -												





**PROPOSED TYPICAL SECTION  
BOUL AVENUE MULTI-USE PATH**

STA. 18+36.65 TO STA. 18+80.34

\* EARTH BUFFER  
VARIES 32'-5" TO 0'-0"

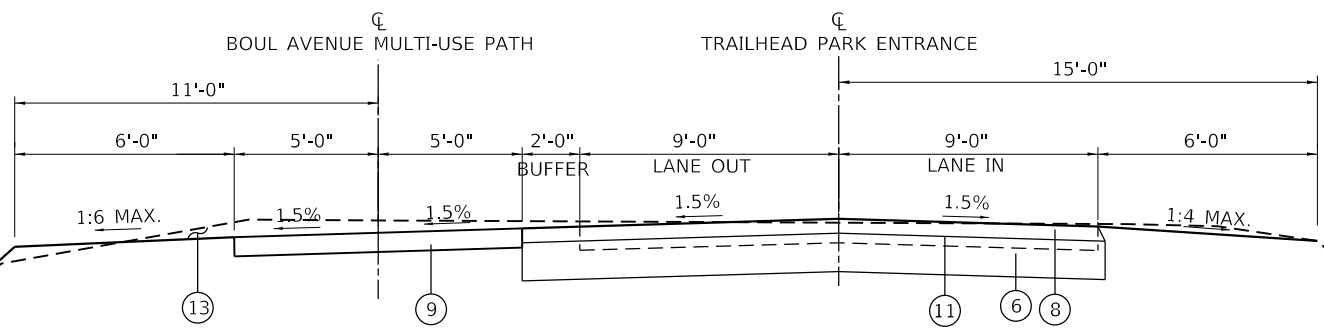
**PROPOSED TYPICAL SECTION  
TRAILHEAD PARK ENTRANCE**

STA. 200+15.57 TO STA. 200+81.88

**LEGEND**

- ① EX. HMA PAVEMENT
- ② EX. HMA SHOULDER
- ③ EX. CURB & GUTTER
- ④ PR. COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑤ PR. AGGREGATE BASE COURSE, TYPE B, 6"
- ⑥ PR. AGGREGATE BASE COURSE, TYPE B, 8"
- ⑦ PR. HMA SURFACE COURSE, IL-9.5FG, MIX "C", N50, 2"
- ⑧ PR. HMA SURFACE COURSE, IL-9.5FG, MIX "C", N50, 3"
- ⑨ PR. PCC SIDEWALK, 4"
- ⑩ PR. HMA SHOULDER, 8"
- ⑪ PR. BITUMINOUS MATERIALS (PRIME COAT)
- ⑫ PR. EMBANKMENT
- ⑬ PR. EARTH EXCAVATION

USER NAME = esmith	DESIGNED -	REVISED -	<b>THOUVENOT, WADE &amp; MOERCHEN, INC.</b> <small>CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.6688</small> <b>TWM</b> <small>EXCEPTIONAL SERVICE. NOTHING LESS.</small>	<b>BOUL AVENUE MULTI-USE PATH</b>	<b>PROPOSED TYPICAL SECTIONS BOUL AVENUE MULTI-USE PATH / TRAILHEAD PARK ENTRANCE</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5,0000' / in.	CHECKED -	REVISED -						9293	17-00038-00-BT	ST. CLAIR	52	9
PLOT DATE = 8/5/2019	DATE -	REVISED -			SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES	SCALE: N.T.S.	SHEET 4	OF 6	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 97710



EX. CULVERTS (TO REMAIN)  
 STA. 18+77.61 TO STA. 19+11.30 (BOUL AVENUE MULTI-USE PATH)  
 STA. 200+81.42 TO STA. 200+17.82 (TRAILHEAD PARK ENTRANCE)

**PROPOSED TYPICAL SECTION  
 BOUL AVENUE MULTI-USE PATH**


STA. 18+80.34 TO STA. 19+93.70

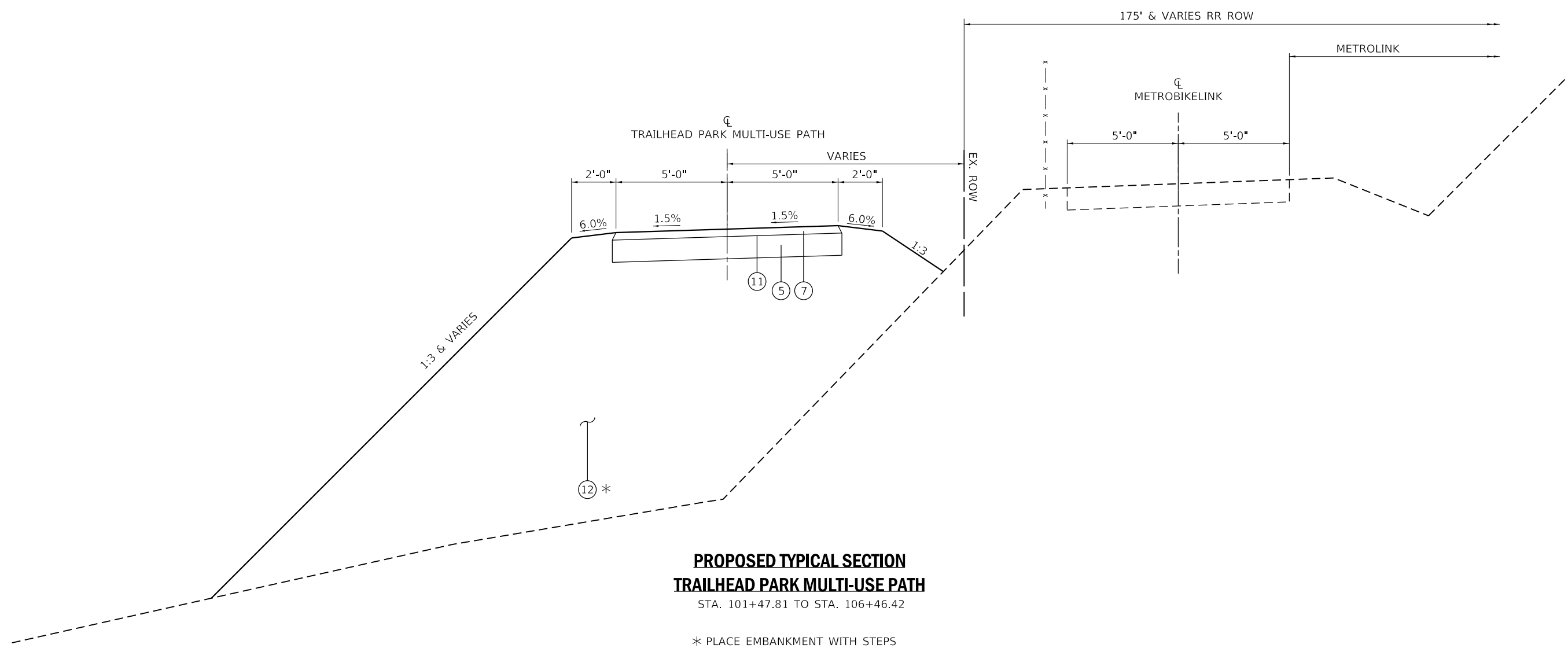
**PROPOSED TYPICAL SECTION  
 TRAILHEAD PARK ENTRANCE**

STA. 200+81.88 TO STA. 202+09.40

**LEGEND**

- ① EX. HMA PAVEMENT
- ② EX. HMA SHOULDER
- ③ EX. CURB & GUTTER
- ④ PR. COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑤ PR. AGGREGATE BASE COURSE, TYPE B, 6"
- ⑥ PR. AGGREGATE BASE COURSE, TYPE B, 8"
- ⑦ PR. HMA SURFACE COURSE, IL-9.5FG, MIX "C", N50, 2"
- ⑧ PR. HMA SURFACE COURSE, IL-9.5FG, MIX "C", N50, 3"
- ⑨ PR. PCC SIDEWALK, 4"
- ⑩ PR. HMA SHOULDER, 8"
- ⑪ PR. BITUMINOUS MATERIALS (PRIME COAT)
- ⑫ PR. EMBANKMENT
- ⑬ PR. EARTH EXCAVATION

USER NAME = esmith	DESIGNED -	REVISED -	<b>THOUVENOT,          WADE &amp;          MOERCHEN, INC.</b> <small>CORPORATE OFFICE          4940 Old Collinsville Road          Swansea, Illinois 62226          Tel: 618.624.4488          Fax: 618.624.6688</small>  <b>EXCEPTIONAL SERVICE.          NOTHING LESS.</b>	<b>BOUL AVENUE          MULTI-USE          PATH</b>	<b>PROPOSED TYPICAL SECTIONS          BOUL AVENUE MULTI-USE PATH / TRAILHEAD PARK ENTRANCE</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5,0000' / in.	DRAWN -	REVISED -					9293	17-00038-00-BT	ST. CLAIR	52	10
PLOT DATE = 8/5/2019	CHECKED -	REVISED -					CONTRACT NO. 97710				
	DATE -	REVISED -	SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES		SCALE: N.T.S.	SHEET 5	OF 6	SHEETS	STA.	TO STA.	ILLINOIS   FED. AID PROJECT




**PROPOSED TYPICAL SECTION  
TRAILHEAD PARK MULTI-USE PATH**  
STA. 101+47.81 TO STA. 106+46.42

\* PLACE EMBANKMENT WITH STEPS  
SEE MISCELLANEOUS DETAILS FOR ADDITIONAL INFORMATION

**LEGEND**

- ① EX. HMA PAVEMENT
- ② EX. HMA SHOULDER
- ③ EX. CURB & GUTTER
- ④ PR. COMB. CONC. CURB & GUTTER, TYPE B-6.24
- ⑤ PR. AGGREGATE BASE COURSE, TYPE B, 6"
- ⑥ PR. AGGREGATE BASE COURSE, TYPE B, 8"
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- ⑧ PR. HMA SURFACE COURSE, IL-9.5FG, MIX "C", N50, 3"
- ⑨ PR. PCC SIDEWALK, 4"
- ⑩ PR. HMA SHOULDER, 8"
- ⑪ PR. BITUMINOUS MATERIALS (PRIME COAT)
- ⑫ PR. EMBANKMENT
- ⑬ PR. EARTH EXCAVATION

USER NAME = esmith	DESIGNED -	REVISED -	<b>THOUVENOT, WADE &amp; MOERCHEN, INC.</b> <small>CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.6688</small>  <b>EXCEPTIONAL SERVICE. NOTHING LESS.</b>	<b>BOUL AVENUE MULTI-USE PATH</b>	<b>PROPOSED TYPICAL SECTIONS TRAILHEAD PARK MULTI-USE PATH</b>		F.A.U. RTE. 9293	SECTION 17-00038-00-BT	COUNTY ST. CLAIR	TOTAL SHEETS 52	SHEET NO. 11
PLOT SCALE = 5,0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 97710				
PLOT DATE = 8/5/2019	DATE -	REVISED -					SCALE: N.T.S.	SHEET 6 OF 6 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

EARTHWORK SCHEDULE							
		FOR INFORMATION ONLY					
		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	BALANCE WASTE (+) SHORTAGE (-)	FURNISHED EXCAVATION	
STATION	TO	STATION	CU YD	CU YD	CU YD	CU YD	CU YD
<b>BOUL AVENUE MULTI-USE PATH</b>							
0+03.51	TO	19+50.00	934	700.5	2070	-1369.5	
SUB-TOTAL:			934	701	2070	-1370	1370
<b>TRAILHEAD PARK MULTI-USE PATH</b>							
101+50.00	TO	106+00.00	146	109.5	1253	-1143.5	
SUB-TOTAL:			146	110	1253	-1144	1144
TOTAL:			1080	810	3323	-2513	2515

SEEDING SCHEDULE							
LOCATION		SEEDING CLASS 1A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH METHOD 2	TEMP. EROSION CONTROL SEEDING (POUND) ( 2 APPL. )
STATION	TO	STATION	ACRE	POUND	POUND	POUND	POUND
<b>BOUL AVENUE MULTI-USE PATH</b>							
0+03.51	TO	19+50.00	1.083	97.5	97.5	97.5	1.083
<b>TRAILHEAD PARK MULTI-USE PATH</b>							
101+50.00	TO	106+00.00	0.237	21.3	21.3	21.3	0.24
TOTAL:			1.32	118.80	118.80	118.80	1.32
PAY TOTAL:			1.25	120	120	120	260

RIPRAP SCHEDULE				
LOCATION		STONE RIPRAP CLASS A3	FILTER FABRIC	
STATION	OFFSET	LT/RT	SQ YD	SQ YD
<b>BOUL AVENUE MULTI-USE PATH</b>				
0+35.91	16.18	LT	8.3	8.3
1+97.49	15.21	LT	5.6	5.6
3+15.88	15.56	LT	5.6	5.6
3+47.49	15.26	LT	5.6	5.6
5+50.00	12.76	LT	77.1	77.1
9+37.29	16.89	LT	5.6	5.6
12+97.50	13.73	LT	5.6	5.6
14+47.82	14.37	LT	5.6	5.6
15+97.50	13.27	LT	5.6	5.6
17+19.12	16.49	LT	29.4	29.4
<b>TRAILHEAD PARK MULTI-USE PATH</b>				
102+00.00	11.5	RT	14.7	14.7
TOTAL:			169	169

TEMPORARY DITCH CHECK SCHEDULE						
LOCATION				TEMPORARY DITCH CHECKS		
STATION	TO	STATION	LT/RT	EA	FOOT	
<b>BOUL AVENUE MULTI-USE PATH</b>						
0+03.51	TO	5+50.00	LT	6	54	
5+50.00	TO	11+00.00	LT	10	90	
5+50.00	TO	11+00.00	RT	1	9	
11+00.00	TO	16+50.00	LT	7	63	
11+00.00	TO	16+50.00	RT	9	81	
16+50.00	TO	19+93.70	LT	2	18	
16+50.00	TO	19+93.70	RT	1	9	
<b>TRAILHEAD PARK MULTI-USE PATH</b>						
101+47.81	TO	105+00.00	LT	3	27	
101+47.81	TO	105+00.00	RT	11	99	
105+00.00	TO	106+46.42	RT	1	9	
<b>TRAILHEAD PARK ENTRANCE</b>						
200+15.57	TO	202+09.40	RT	2	18	
TOTAL:				47	477	

PERIMETER EROSION BARRIER SCHEDULE				
LOCATION		PERIMETER EROSION BARRIER		
STATION	TO	STATION	FOOT	
<b>BOUL AVENUE MULTI-USE PATH</b>				
17+00.00	TO	18+78.90	157.9	
19+08.26	TO	20+01.69	73.5	
<b>TRAILHEAD PARK MULTI-USE PATH</b>				
101+42.81	TO	105+00.00	355.8	
105+00.00	TO	106+44.26	208.5	
TOTAL:			796	

INLET AND PIPE PROTECTION SCHEDULE				
LOCATION				INLET AND PIPE PROTECTION
STATION	OFFSET	LT/RT	EACH	
<b>BOUL AVENUE MULTI-USE PATH</b>				
1+00.00	14.29	LT	1	
2+00.00	10.50	RT	1	
3+50.00	10.50	RT	1	
4+50.00	11.59	LT	1	
5+75.00	10.50	RT	1	
6+75.00	35.50	LT	1	
7+25.00	10.50	RT	1	
9+14.52	10.50	RT	1	
9+44.43	10.93	RT	1	
12+00.00	8.88	RT	1	
14+50.00	9.77	RT	1	
16+00.00	8.29	RT	1	
17+50.00	9.04	RT	1	
TOTAL:			13	

STORM SEWER SCHEDULE											
LOCATION						METAL FLARED END SECTIONS 12"	PIPE CULVERTS, CLASS D, TYPE 1 12"	PIPE ELBOW, 12"	STORM SEWERS, CLASS A, TYPE 1	TRENCH BACKFILL	
STATION	OFFSET	LT/RT	TO	STATION	OFFSET	LT/RT	EACH	FOOT	EACH	FOOT	CU YD
<b>BOUL AVENUE MULTI-USE PATH</b>											
0+43.46	10.57	LT	TO	0+43.41	15.96	LT		5.0			
1+00.00	14.29	LT	TO	1+68.58	15.27	LT	2	64.8			5.7
2+00.00	10.50	RT	TO	2+00.00	15.19	LT				24.5	2.2
3+50.00	10.50	RT	TO	3+50.00	15.22	LT				24.5	2.2
4+50.00	11.59	LT	TO	5+50.00	12.76	LT	2	96.1			
5+75.00	10.50	RT	TO	5+75.00	15.53	LT				24.5	2.2
6+75.00	35.50	LT	TO	7+25.00	39.07	LT				49.0	
7+25.00	10.50	RT	TO	7+25.00	39.07	LT			1	51.5	2.2
9+14.52	10.50	RT	TO	9+44.43	10.93	RT				32.0	4.2
9+44.43	10.93	RT	TO	9+36.32	19.19	LT				27.1	3.8
12+00.00	8.88	RT	TO	13+00.00	13.73	LT				101.8	10.7
14+50.00	9.77	RT	TO	14+50.00	14.40	LT				22.4	1.8
16+00.00	8.29	RT	TO	16+00.00	13.25	LT				19.8	1.8
17+50.00	9.04	RT	TO	17+50.00	12.97	LT				21.1	1.8
TOTAL:						4	166	1	349	49	39

DRAINAGE SCHEDULE							
LOCATION		MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	INLETS			
				TYPE A		TYPE B	SPECIAL
STATION	OFFSET			TYPE 3 FRAME AND GRATE	TYPE 8 GRATE	TYPE 3 FRAME AND GRATE	
<b>BOUL AVENUE MULTI-USE PATH</b>							
2+00.00	10.50	RT		1			
3+50.00	10.50	RT		1			
5+75.00	10.50	RT		1			
6+75.00	35.50	LT					1
7+25.00	10.50	RT		1			
7+25.00	39.07	RT			1		
9+14.52	10.50	RT		1			
9+44.43	10.93	RT				1	
12+00.00	8.88	RT			1		
14+50.00	9.77	RT			1		
15+54.40	0.67	LT	1				
16+00.00	8.29	RT			1		
17+50.00	9.04	RT			1		
TOTAL:		1	1	5	4	1	1

REMOVAL SCHEDULE														
LOCATION				MEDIAN REMOVAL (SPECIAL)	PAVED SHOULDER REMOVAL	DRIVEWAY PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL (SPECIAL)	GATE REMOVAL	REMOVE WOOD POST	REMOVING INLETS	PIPE CULVERT REMOVAL	PAVED DITCH REMOVAL	
STATION	TO	STATION	LT/RT	SQ FT	SQ YD	SQ YD	FOOT	SQ FT	EACH	EACH	EACH	FOOT	FOOT	
<b>BOUL AVENUE MULTI-USE PATH</b>														
0+00.00	TO	0+06.53	RT					83.5						
0+03.74	TO	0+08.51	RT	74.3										
1+01.29	TO	1+17.29	LT/RT				23.6							
1+01.29	TO	5+50.00	RT		193.4									
1+03.02	TO	1+64.35	LT									61.1		
1+08.26	TO	1+58.64	LT/RT			136.1								
1+16.37	TO		LT						1					
1+49.37	TO	2+06.87	LT/RT				71.8							
1+51.05	TO		LT						1					
3+18.03	TO	3+21.17	LT									8.0		
5+50.00	TO	9+51.70	RT		166.7									
5+86.64	TO	7+26.40	LT											143.0
9+19.63	TO	9+29.63	RT		4.4									
9+20.32	TO	9+28.71	RT					40.7						
9+51.53	TO	10+41.08	LT/RT				187.6							
12+09.24	TO	12+17.75	RT		1.6									
12+13.65	TO	13+18.94	LT/RT				236.3							
12+91.77	TO	13+23.92	RT		6.8									
16+91.34	TO	17+19.31	RT		9.6									
16+98.13	TO	18+38.80	RT				161.2							
18+29.50	TO	18+35.88	RT								1	19.2		
<b>TRAILHEAD PARK ENTRANCE</b>														
200+15.72	TO	200+79.95	LT/RT			202.1								
200+19.07	TO	200+23.00	RT				12.9							
200+47.36	TO		LT/RT							2				
TOTAL:				74	382	762	270	124	2	2	1	88	143	

TREE SCHEDULE					
LOCATION		TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 3" CALIPER, BALLED AND BURLAPPED EACH	
STATION	TO	OFFSET	LT/RT	UNIT	UNIT
<b>BOUL AVENUE MULTI-USE PATH</b>					
3+98.29	TO	16.24	LT	15	
4+42.80	TO	12.36	LT	12	
4+44.10	TO	18.05	LT	12	
10+73.05	TO	5.32	RT	12	
11+06.09	TO	6.94	LT	15	
12+24.24	TO	2.57	LT	12	
12+62.76	TO	0.05	RT		18
TOTAL:				78	18

HOT-MIX ASPHALT PAVING SCHEDULE						
LOCATION			AGGREGATE BASE COURSE, TYPE B	HOT-MIX ASPHALT SURFACE COURSE, 1 1/2" - 5FG, MIX "C", N50	BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT SHOULDERS, 8"
STATION	TO	STATION	TON	TON	POUND	SQ YD
<b>BOUL AVENUE MULTI-USE PATH</b>						
0+03.51	TO	1+07.72	44.6	13.2	260.5	
1+59.65	TO	5+50.00	167.0	49.4	975.9	
5+50.00	TO	9+15.90	156.5	46.3	914.8	
9+19.63	TO	9+29.63				4.4
10+07.61	TO	11+00.00	39.5	11.7	231.0	
11+00.00	TO	12+31.35	56.2	16.6	328.4	
12+94.16	TO	16+50.00	152.2	45.0	889.6	
16+50.00	TO	18+80.34	98.5	29.1	575.9	
16+91.40	TO	18+36.65				73.8
<b>TRAILHEAD PARK MULTI-USE PATH</b>						
101+73.81	TO	106+36.03	197.7	58.5	1155.6	
106+36.03	TO	106+46.42	6.3	1.9	36.7	
<b>TRAILHEAD PARK ENTRANCE</b>						
200+15.57	TO	200+47.89	57.8	20.2	268.5	
200+47.89	TO	202+09.40	175.9	61.1	807.6	
<b>TOTAL:</b>			<b>1152</b>	<b>353</b>	<b>6444</b>	<b>78</b>

BOLLARD SCHEDULE		
LOCATION	BOLLARDS	
STATION	OFFSET	EACH
<b>BOUL AVENUE MULTI-USE PATH</b>		
0+92.72	0.00	1
1+74.65	0.00	1
9+00.90	0.00	1
10+22.61	0.00	1
12+16.35	0.00	1
13+09.16	0.00	1
18+65.34	0.00	1
<b>TOTAL:</b>		<b>7</b>

SIGNAGE SCHEDULE									
LOCATION			DESCRIPTION				SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT	RELOCATE SIGN PANEL AND POST
STATION	OFFSET		SIGN	SHAPE	SIZE	SQ FT	FOOT	EACH	
<b>BOUL AVENUE MULTI-USE PATH</b>									
0+25.00	9.00	LT	"TRAIL ENDS"	RECTANGLE	24 X 18	3.00			
			"WALK YOUR BIKE"	RECTANGLE	24 X 24	4.00	14.0		
1+15.03	5.19	LT	EX. STOP SIGN	OCTAGON				1	
6+98.87	1.05	RT	EX. STOP AHEAD SIGN	RECTANGLE				1	
7+91.15	0.07	RT	EX. SCHOOL SPEED LIMIT AND NO CELL PHONE SIGNS	RECTANGLE				1	
<b>TRAILHEAD PARK MULTI-USE PATH</b>									
8+18.56	47.08	RT	W11-15 "BIKE/PED"	RECTANGLE	30 X 30	6.25			
			W11-15P "TRAIL X-ING"	RECTANGLE	24 X 18	3.00	19.6		
			W16-9P "AHEAD"	RECTANGLE	24 X 12	2.00			
9+18.56	44.08	RT	W11-15P "TRAIL X-ING"	RECTANGLE	24 X 18	3.00			
			W16-7P "DIAG. LT ARROW"	RECTANGLE	24 X 12	2.00			
9+30.87	8.08	RT	W11-15P "TRAIL X-ING"	RECTANGLE	24 X 18	3.00			
			W16-7P "DIAG. LT ARROW"	RECTANGLE	24 X 12	2.00			
<b>TRAILHEAD PARK ENTRANCE</b>									
10+30.56	11.62	RT	W11-15 "BIKE/PED"	RECTANGLE	30 X 30	6.25			
			W11-15P "TRAIL X-ING"	RECTANGLE	24 X 18	3.00	17.5		
			W16-9P "AHEAD"	RECTANGLE	24 X 12	2.00			
19+83.00	9.00	LT	W1-1R "RIGHT TURN"	RECTANGLE	18 X 18	2.25	12.6		
<b>TRAILHEAD PARK MULTI-USE PATH</b>									
101+73.00	9.00	LT	W1-1L "LEFT TURN"	TRIANGLE	18 X 18	2.25	12.6		
106+00.00	9.00	RT	W1-1R "RIGHT TURN"	TRIANGLE	18 X 18	2.25	12.6		
106+36.18	9.00	RT	R1-2 "YIELD"	TRIANGLE	18 X 18	0.97	12.2		
<b>TRAILHEAD PARK ENTRANCE</b>									
200+25.64	28.66	LT	R1-1 "STOP"	OCTAGON	30 X 30	6.25	14.2		
<b>TOTAL:</b>							<b>53</b>	<b>115</b>	<b>3</b>

\*SIGNS AND POSTS TO BE RELOCATED PER THE DIRECTION OF THE ENGINEER

ENTRANCE SCHEDULE								
LOCATION			DIMENSIONS				PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	AGGREGATE FOR TEMPORARY ACCESS
STATION	LT/RT	TYPE	WIDTH "W"	APRON "A"	LENGTH "L1"	LENGTH "L2"	SQ YD	TON
<b>BOUL AVENUE MULTI-USE PATH</b>								
1+33.69	LT/RT	C.E.	SEE INSET ON PLAN AND PROFILES				147.7	51.7
9+84.46	LT/RT	C.E.	SEE INSET ON PLAN AND PROFILES				190.9	66.8
12+46.52	LT/RT	C.E.	SEE INSET ON PLAN AND PROFILES				258.1	90.3
12+75.22	LT/RT	C.E.	SEE INSET ON PLAN AND PROFILES					
<b>TOTAL:</b>							<b>597</b>	<b>209</b>

PAVEMENT MARKING SCHEDULE												
LOCATION			PAINT PAVEMENT MARKING									
			LINE - 4"	LINE - 8"	LINE - 12"	LINE - 24"						
			WHITE	YELLOW	YELLOW	WHITE	YELLOW	WHITE	WHITE			
STATION	TO	STATION	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT			
<b>BOUL AVENUE MULTI-USE PATH</b>												
0+00.00	TO	5+50.00	EDGE LINE	SINGLE	566.2							
0+00.00	TO	0+05.69	CROSSWALK	ZEBRA CROSSWALK			128.0					
0+03.51	TO	0+77.72	CENTERLINE	(3' - 9') SKIP-DASH		18.6						
0+10.29	TO	0+11.21	STOP BAR	SINGLE					15.1			
+77.72	TO	1+07.72	CENTERLINE	SINGLE		40.4						
1+06.73	TO	1+61.15	CROSSWALK RT	SINGLE			55.0					
1+17.64	TO	1+33.69	STOP BAR	SINGLE					16.0			
1+17.66	TO	1+49.72	CROSSWALK LT	SINGLE			32.0					
1+59.65	TO	1+89.65	CENTERLINE	SINGLE		40.4						
1+89.65	TO	5+50.00	CENTERLINE	(3' - 9') SKIP-DASH		90.1						
5+50.00	TO	11+00.00	EDGE LINE	SINGLE	549.0							
5+50.00	TO	8+85.90	CENTERLINE	(3' - 9') SKIP-DASH		84						
8+85.90	TO	9+15.90	CENTERLINE	SINGLE		40.4						
9+19.64	TO	9+19.84	CROSSWALK	SINGLE			23.0					
9+29.64	TO	9+29.84	CROSSWALK	SINGLE			23.0					
10+07.61	TO	10+37.61	CENTERLINE	SINGLE		40.4						
10+37.61	TO	11+00.00	CENTERLINE	(3' - 9') SKIP-DASH		15.6						
11+00.00	TO	16+50.00	EDGE LINE	SINGLE	550.0							
11+00.00	TO	12+01.35	CENTERLINE	(3' - 9') SKIP-DASH		25.3						
12+01.35	TO	12+31.35	CENTERLINE	SINGLE		40.4						
12+94.16	TO	13+24.16	CENTERLINE	SINGLE		40.4						
13+24.16	TO	16+50.00	CENTERLINE	(3' - 9') SKIP-DASH		81.5						
16+50.00	TO	18+58.90	EDGE LINE	SINGLE	266.7							
16+50.00	TO	18+50.34	CENTERLINE	(3' - 9') SKIP-DASH		50.1						
18+50.34	TO	18+80.34	CENTERLINE	SINGLE		40.4						
18+80.34	TO	19+88.70	CENTERLINE	(3' - 9') SKIP-DASH		27.09						
<b>TRAILHEAD PARK MULTI-USE PATH</b>												
101+49.81	TO	101+66.81	CROSSWALK	ZEBRA CROSSWALK			90.0					
101+73.81	TO	106+36.80	CENTERLINE	(3' - 9') SKIP-DASH		115.7						
<b>TRAILHEAD PARK ENTRANCE</b>												
200+26.57	TO	200+28.57	STOP BAR	SINGLE					18.3			
200+81.88	TO	202+09.40	BUFFER EDGE	SINGLE			230.8					
			BUFFER DIAGONAL	SINGLE					17			
<b>TOTAL:</b>							<b>1930</b>	<b>790</b>	<b>230</b>	<b>350</b>	<b>20</b>	<b>50</b>
				<b>2720</b>				<b>370</b>				

CURB AND GUTTER SCHEDULE					
LOCATION					COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
STATION	TO	STATION	LT/RT	NOTES	FOOT
<b>BOUL AVENUE MULTI-USE PATH</b>					
0+00.00	TO	0+06.01	RT	PED X-ING	10.3
1+01.29	TO	5+50.00	RT		450.2
5+50.00	TO	9+52.51	RT		402.9
<b>TOTAL:</b>					<b>863</b>

PEDESTRIAN CROSSING SCHEDULE			
LOCATION			SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)
STATION	OFFSET	LT/RT	EACH
<b>BOUL AVENUE MULTI-USE PATH</b>			
9+18.56	44.08	RT	1
9+30.87	8.08	RT	1
<b>TOTAL:</b>			<b>2</b>

FENCE SCHEDULE						
LOCATION				WOOD FENCE TO BE REMOVED AND RE-ERECTED	CHAIN LINK FENCE REMOVAL	
STATION	OFFSET	TO	STATION	OFFSET	FOOT	FOOT
<b>BOUL AVENUE MULTI-USE PATH</b>						
8+74.17	3.70	LT	9+41.57	13.58	73.2	
<b>TRAILHEAD PARK MULTI-USE PATH</b>						
106+44.96	19.73	LT	106+43.95	20.12	40	40
<b>TOTAL:</b>					<b>73</b>	<b>40</b>

SANITARY MANHOLE ADJUSTMENT SCHEDULE			
LOCATION			MANHOLES TO BE ADJUSTED
STATION	OFFSET	LT/RT	EACH
<b>BOUL AVENUE MULTI-USE PATH</b>			
6+23.78	0.99	RT	1
9+83.17	2.84	RT	1
<b>TOTAL:</b>			<b>2</b>

SIDEWALK SCHEDULE					
LOCATION			COMBINATION CONCRETE CURB AND SIDEWALK 4 INCH (SPECIAL)	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	DETECTABLE WARNING
STATION	TO	STATION	SQ FT	SQ FT	SQ FT
<b>BOUL AVENUE MULTI-USE PATH</b>					
0+00.00	TO	0+03.84		56.4	14.6
0+03.74	TO	0+08.51	74.3		
1+07.72	TO	1+17.66		49.7	
1+49.72	TO	1+59.65		49.7	
1+52.34	TO	1+57.35		103.5	
9+15.90	TO	9+67.65		547.0	16.0
9+20.56	TO	9+28.56		40.0	16.0
10+02.07	TO	10+07.61		30.9	
12+31.35	TO	12+34.12		17.6	
12+87.53	TO	12+94.16		36.8	
18+80.34	TO	19+93.70		1133.6	
<b>TRAILHEAD PARK MULTI-USE PATH</b>					
101+47.81	TO	101+73.81		260.0	
<b>TOTAL:</b>			<b>74</b>	<b>2325</b>	<b>47</b>

USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/5/2019	CHECKED -	REVISED -
	DATE -	REVISED -

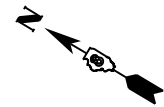
**THOUVENOT, WADE & MOERCHEN, INC.**  
 CORPORATE OFFICE  
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 Swansea, Illinois 62226  
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 SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES



**BOUL AVENUE MULTI-USE PATH**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
NONE	2	2	
			ST. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	13
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				



PROP. CURVE P\_PARK\_TMGM\_7  
 PI STA. = 106+24.65  
 $\Delta = 85^\circ 13' 38''$  (RT)  
 $D = 572^\circ 57' 28''$   
 $R = 10.00'$   
 $T = 9.20'$   
 $L = 14.87'$   
 $E = 3.59'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 106+15.45$   
 $P.T. STA. = 106+30.33$

PROP. CURVE P\_PARK\_TMGM\_4  
 PI STA. = 102+84.40  
 $\Delta = 47^\circ 24' 06''$  (LT)  
 $D = 36^\circ 57' 54''$   
 $R = 155.00'$   
 $T = 68.04'$   
 $L = 128.23'$   
 $E = 14.28'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 102+16.36$   
 $P.T. STA. = 103+44.59$

PROP. CURVE P\_PARK\_TMGM\_3  
 PI STA. = 101+98.31  
 $\Delta = 28^\circ 09' 03''$  (LT)  
 $D = 76^\circ 23' 40''$   
 $R = 75.00'$   
 $T = 18.80'$   
 $L = 36.85'$   
 $E = 2.32'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 101+79.51$   
 $P.T. STA. = 102+16.36$

PROP. CURVE PR\_SITE\_ENT\_4  
 PI STA. = 201+65.79  
 $\Delta = 85^\circ 29' 51''$  (LT)  
 $D = 75^\circ 23' 21''$   
 $R = 76.00'$   
 $T = 70.25'$   
 $L = 113.41'$   
 $E = 27.49'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 200+95.54$   
 $P.T. STA. = 202+08.95$

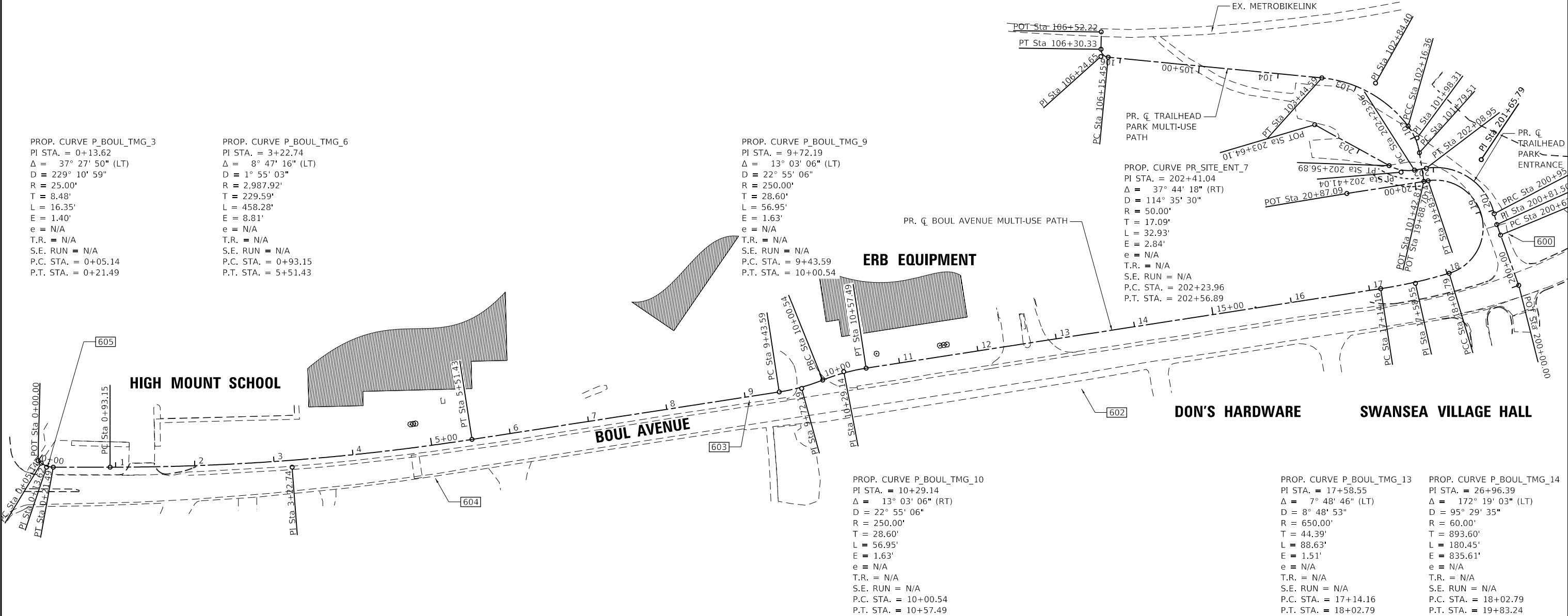
PROP. CURVE PR\_SITE\_ENT\_3  
 PI STA. = 200+81.50  
 $\Delta = 6^\circ 26' 38''$  (RT)  
 $D = 22^\circ 55' 06''$   
 $R = 250.00'$   
 $T = 14.07'$   
 $L = 28.12'$   
 $E = 0.40'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 200+67.42$   
 $P.T. STA. = 200+95.54$

PROP. CURVE P\_BOUL\_TMGM\_3  
 PI STA. = 0+13.62  
 $\Delta = 37^\circ 27' 50''$  (LT)  
 $D = 229^\circ 10' 59''$   
 $R = 25.00'$   
 $T = 8.48'$   
 $L = 16.35'$   
 $E = 1.40'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 0+05.14$   
 $P.T. STA. = 0+21.49$

PROP. CURVE P\_BOUL\_TMGM\_6  
 PI STA. = 3+22.74  
 $\Delta = 8^\circ 47' 16''$  (LT)  
 $D = 1^\circ 55' 03''$   
 $R = 2,987.92'$   
 $T = 229.59'$   
 $L = 458.28'$   
 $E = 8.81'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 0+93.15$   
 $P.T. STA. = 5+51.43$

PROP. CURVE P\_BOUL\_TMGM\_9  
 PI STA. = 9+72.19  
 $\Delta = 13^\circ 03' 06''$  (LT)  
 $D = 22^\circ 55' 06''$   
 $R = 250.00'$   
 $T = 28.60'$   
 $L = 56.95'$   
 $E = 1.63'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 9+43.59$   
 $P.T. STA. = 10+00.54$

PR.  $\zeta$  BOUL AVENUE MULTI-USE PATH



PROP. CURVE P\_BOUL\_TMGM\_10  
 PI STA. = 10+29.14  
 $\Delta = 13^\circ 03' 06''$  (RT)  
 $D = 22^\circ 55' 06''$   
 $R = 250.00'$   
 $T = 28.60'$   
 $L = 56.95'$   
 $E = 1.63'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 10+00.54$   
 $P.T. STA. = 10+57.49$

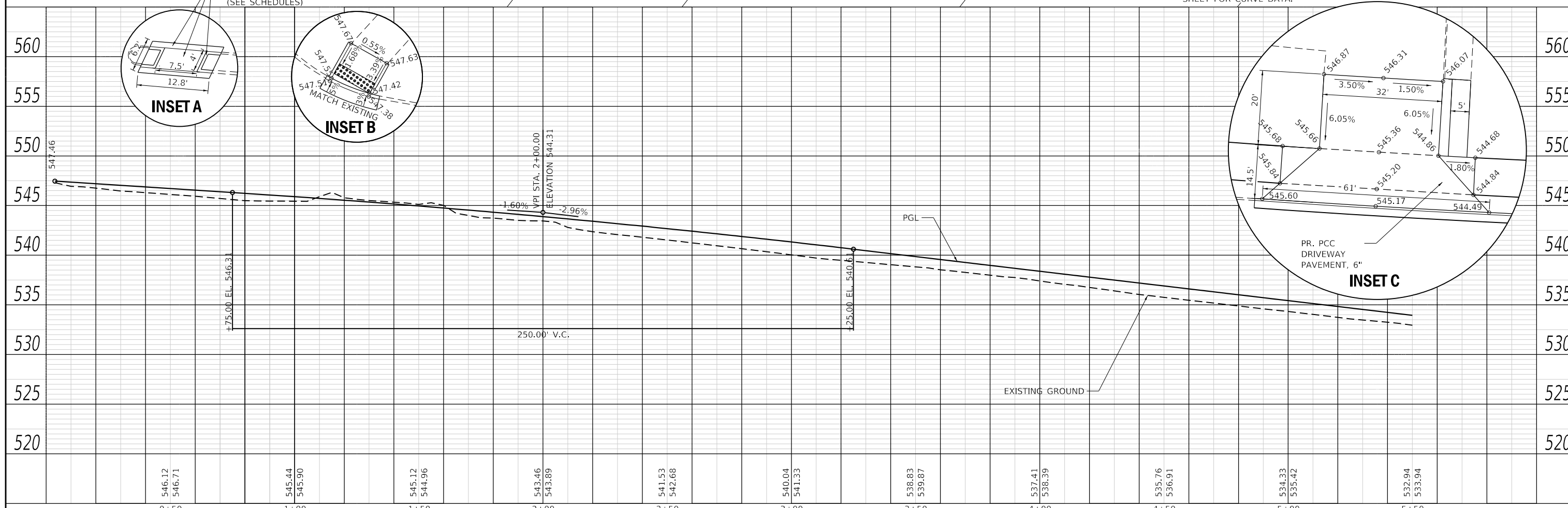
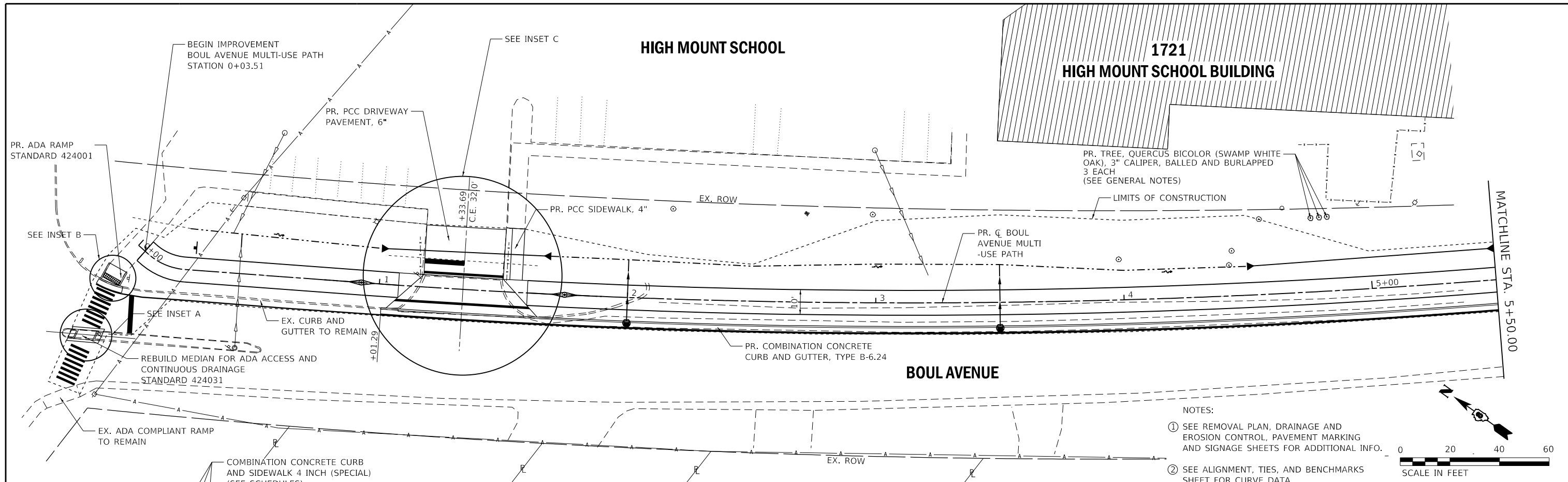
PROP. CURVE P\_BOUL\_TMGM\_13  
 PI STA. = 17+58.55  
 $\Delta = 7^\circ 48' 46''$  (LT)  
 $D = 8^\circ 48' 53''$   
 $R = 650.00'$   
 $T = 44.39'$   
 $L = 88.63'$   
 $E = 1.51'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 17+14.16$   
 $P.T. STA. = 18+02.79$

PROP. CURVE P\_BOUL\_TMGM\_14  
 PI STA. = 26+96.39  
 $\Delta = 172^\circ 19' 03''$  (LT)  
 $D = 95^\circ 29' 35''$   
 $R = 60.00'$   
 $T = 893.60'$   
 $L = 180.45'$   
 $E = 835.61'$   
 $e = N/A$   
 $T.R. = N/A$   
 $S.E. RUN = N/A$   
 $P.C. STA. = 18+02.79$   
 $P.T. STA. = 19+83.24$

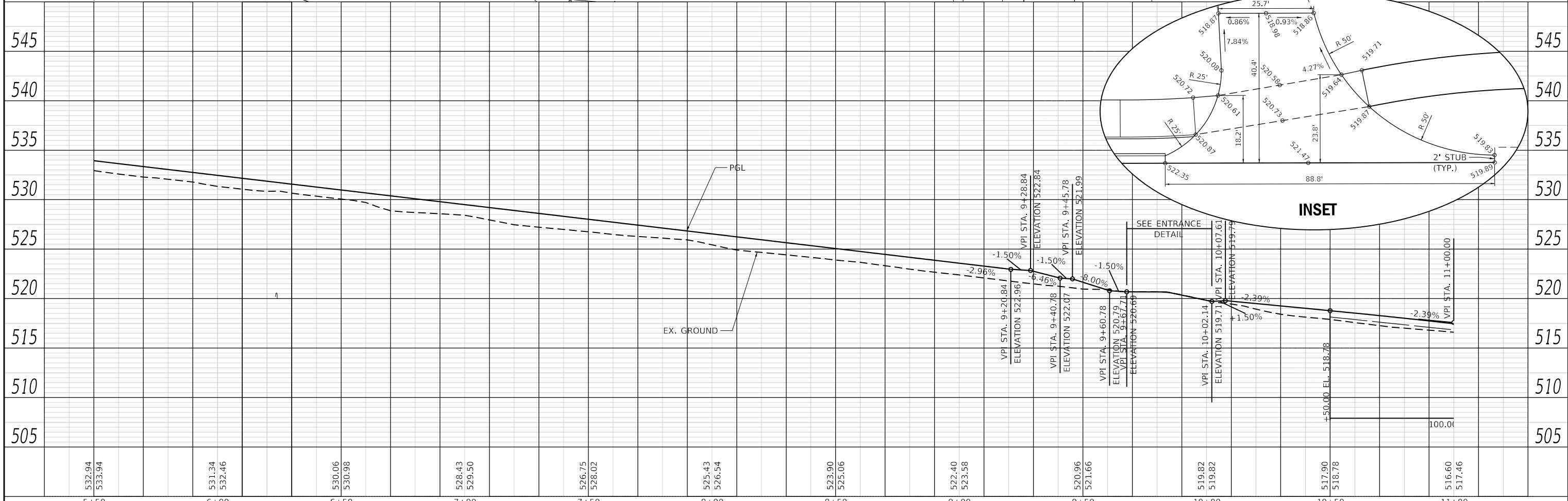
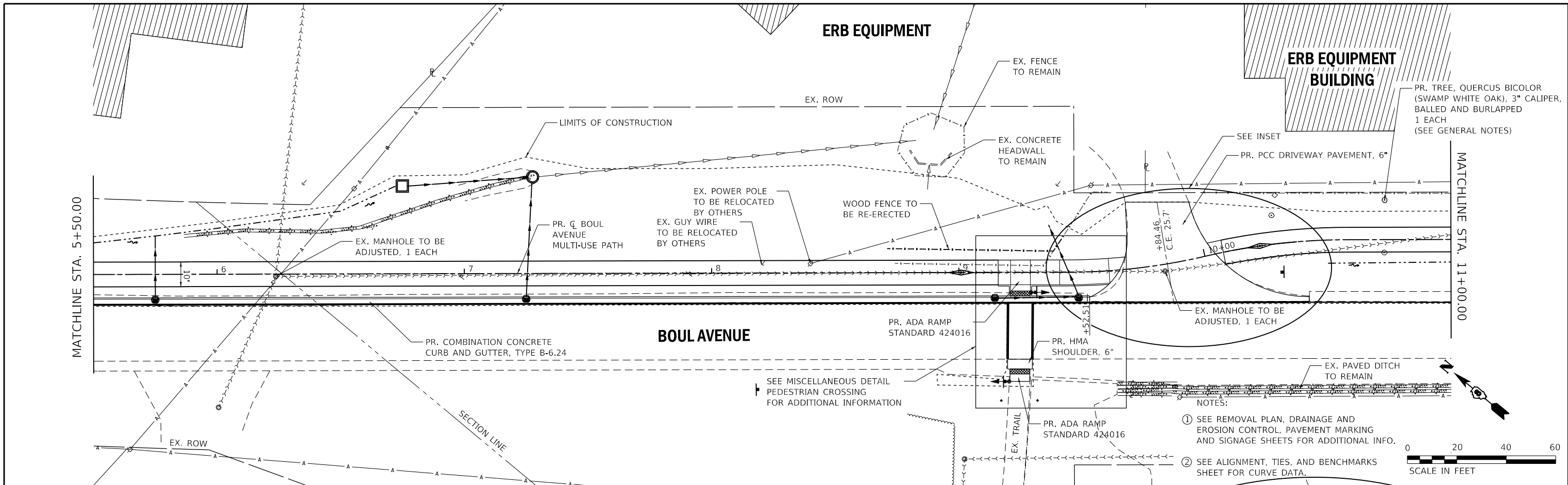
**CONTROL**

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION	STATION	OFFSET	LT/RT	ALIGNMENT
600	678508.68	2348504.64	504.53	SET IRCS	200+65.19	10.02	RT	ENTRANCE
602	678868.50	2348058.63	512.41	SET IRC	13+22.00	67.43	RT	BOUL
603	679219.37	2347829.42	523.19	SET IRC	9+04.85	4.98	RT	BOUL
604	679507.64	2347540.34	536.25	SET IRC	4+98.98	42.01	RT	BOUL
605	679933.63	2347299.04	546.99	SET IRC	0+14.30	1.31	RT	BOUL

USER NAME = esmith	DESIGNED -	REVISED -	<b>THOUVENOT, WADE &amp; MOERCHEN, INC.</b> CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.6688 SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES		<b>BOUL AVENUE MULTI-USE PATH</b>	ALIGNMENT, TIES, AND BENCHMARKS		F.A.U. RTE. = 9293	SECTION = 17-00038-00-BT	COUNTY = ST. CLAIR	TOTAL SHEETS = 52	SHEET NO. = 14
PLOT SCALE = 1/25,000' / in.	DRAWN -	REVISED -				SCALE: 1" = 125'	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 97710	
PLOT DATE = 8/5/2019	CHECKED -	REVISED -										



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PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -				9293	17-00038-00-BT	ST. CLAIR	52	15		
PLOT DATE = 9/4/2019	CHECKED -	REVISED -				CONTRACT NO. 97710						
			SCALE: 1" = 20'		SHEET 1 OF 6 SHEETS	STA. 0+03.51 TO STA. 5+50.00	ILLINOIS FED. AID PROJECT					



5+00	532.94 533.94	6+00	531.34 532.46	6+50	530.06 530.98	7+00	528.43 529.50	7+50	526.75 528.02	8+00	525.43 526.54	8+50	523.90 525.06	9+00	522.40 523.58	9+50	520.96 521.66	10+00	519.82 519.82	10+50	517.90 518.78	11+00	516.60 517.46
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USER NAME = esmith	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISION -
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISOR -
PLOT DATE = 9/4/2019	DATE -	REVISION -

**THOUVENOT, WADE & MOERCHEN, INC.**  
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**BOUL AVENUE MULTI-USE PATH**

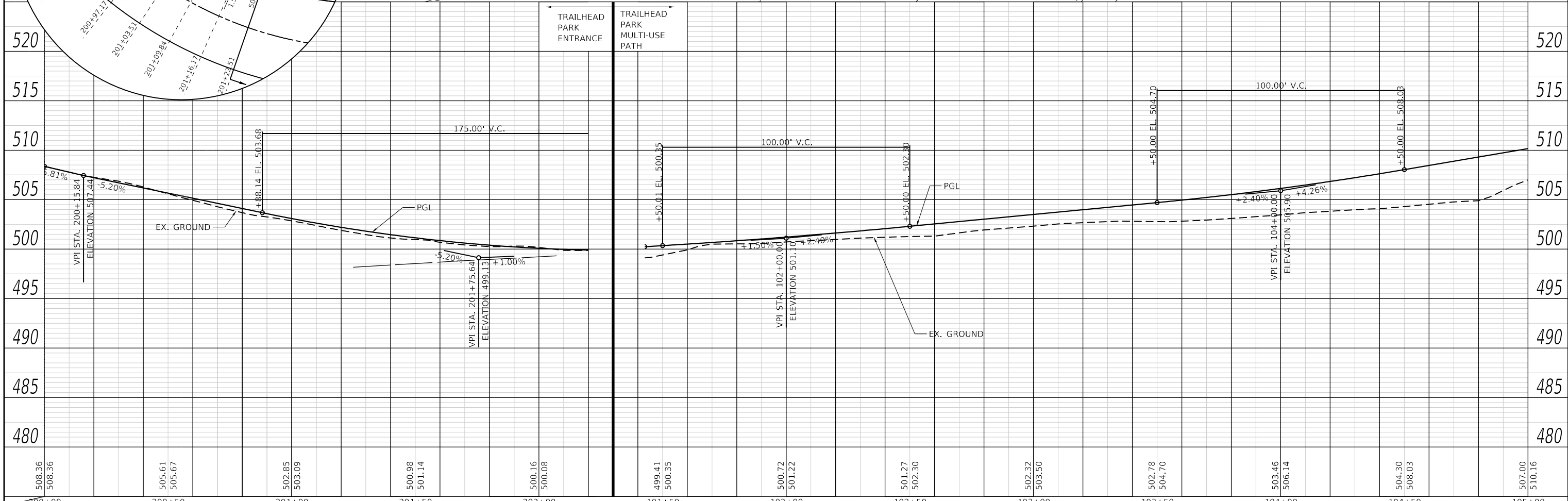
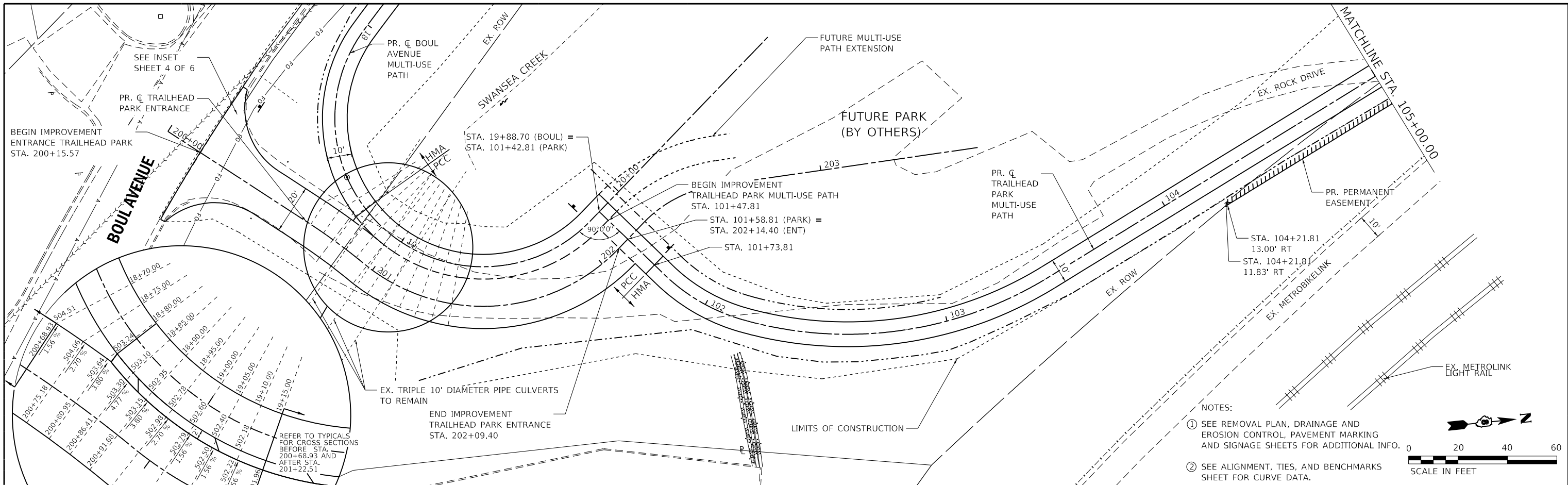
**PLAN AND PROFILE BOUL AVENUE MULTI-USE PATH**  
 SCALE: 1" = 20'  
 SHEET 2 OF 6 SHEETS  
 STA. 5+50.00 TO STA. 11+00.00

F.A.U. RTE. 9293	SECTION 17-00038-00-BT	COUNTY ST. CLAIR	TOTAL SHEETS 52	SHEET NO. 16
CONTRACT NO. 97710			ILLINOIS FED. AID PROJECT	



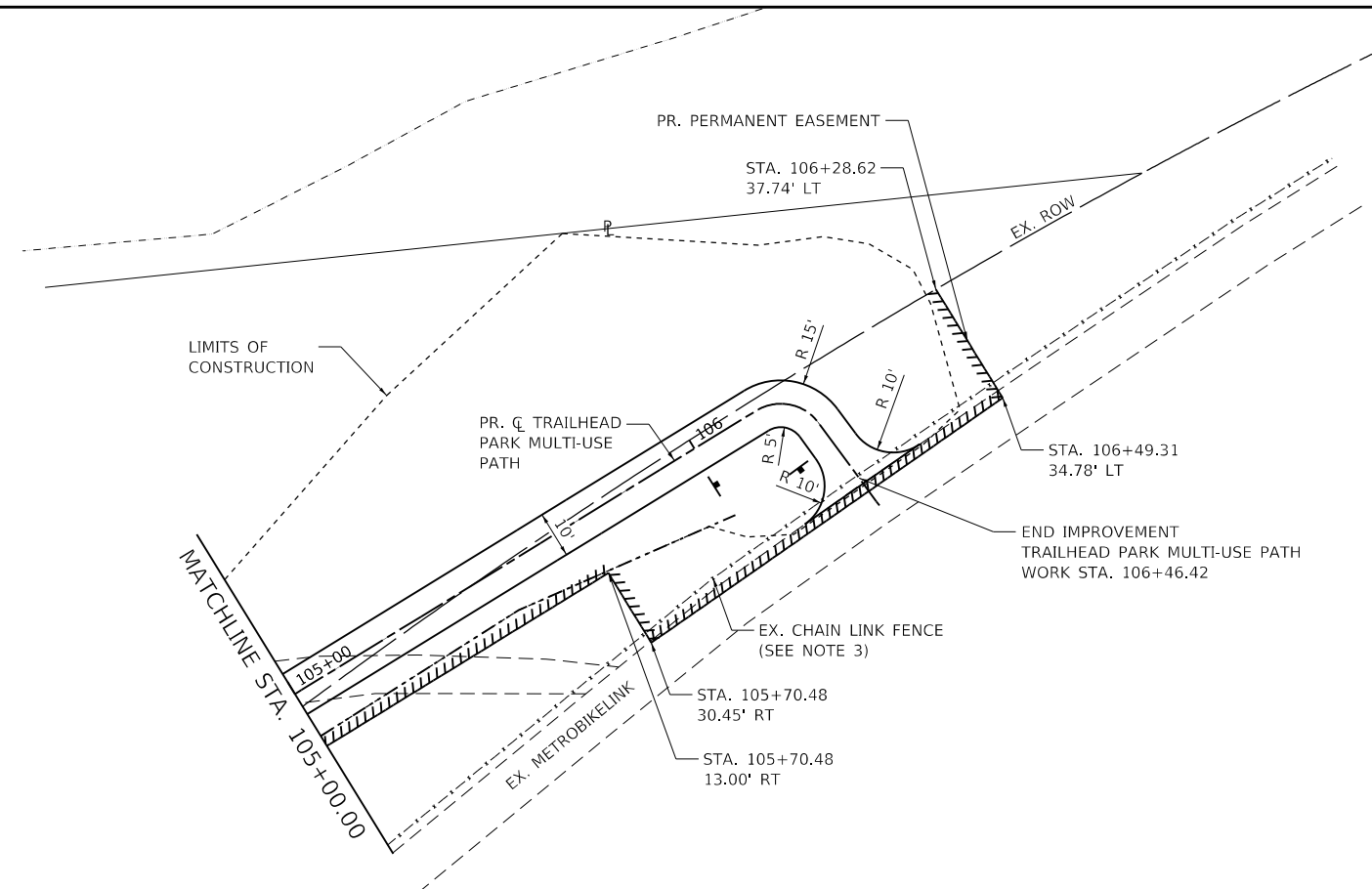




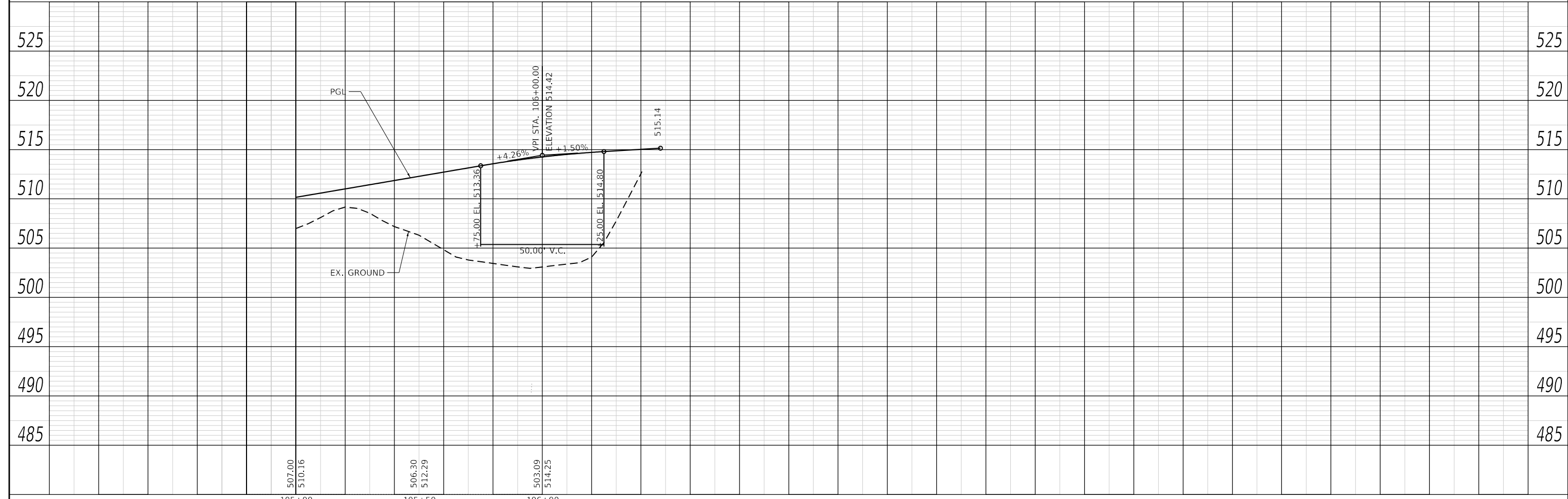
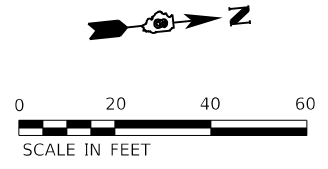


508.36 508.36	505.61 505.67	502.85 503.09	500.98 501.14	500.16 500.08	499.41 500.35	500.72 501.22	501.27 502.30	502.32 503.50	502.78 504.70	503.46 506.14	504.30 508.03	507.00 510.16
200+00	200+50	201+00	201+50	202+00	101+50	102+00	102+50	103+00	103+50	104+00	104+50	105+00

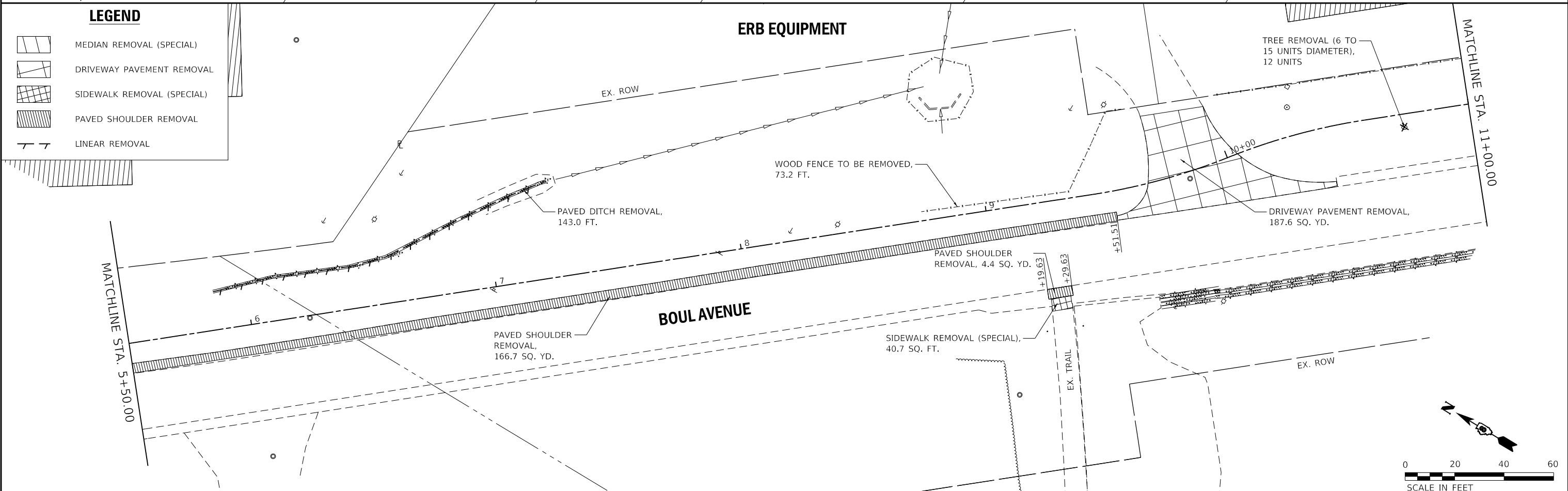
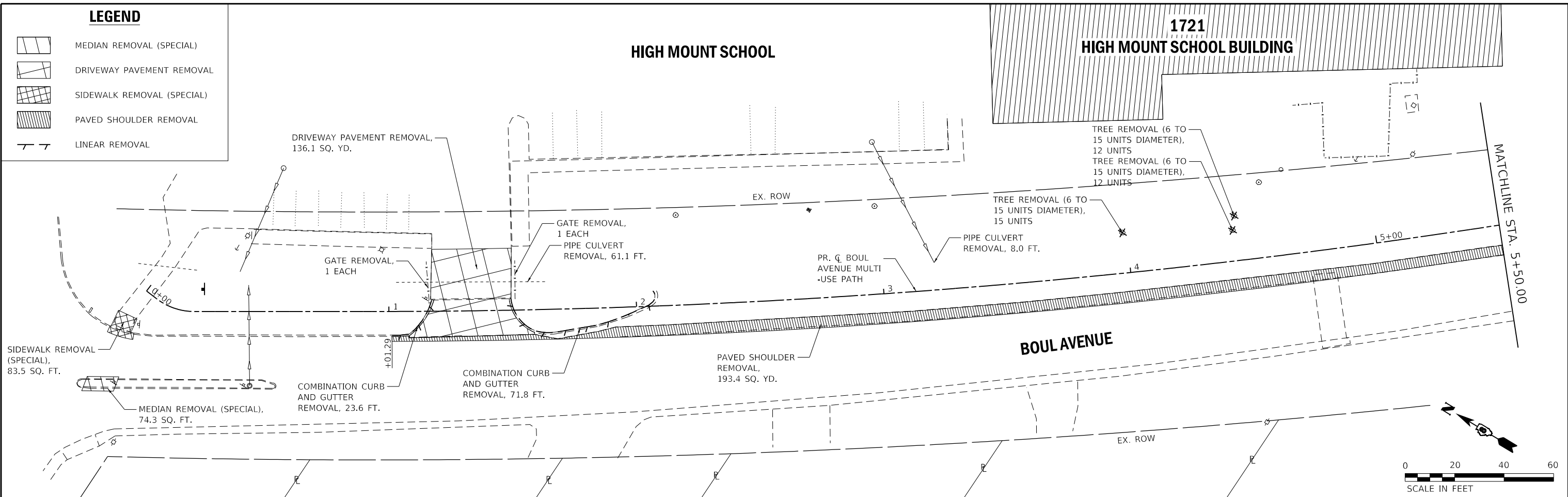
USER NAME = esmith	DESIGNED -	REVISED -	<b>THOUVENOT, WADE &amp; MOERCHEN, INC.</b> CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.6688 SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES	 EXCEPTIONAL SERVICE. NOTHING LESS.	<b>BOUL AVENUE MULTI-USE PATH</b>	<b>PLAN AND PROFILE</b> <b>TRAILHEAD PARK MULTI-USE PATH / TRAILHEAD PARK ENTRANCE</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -				9293	17-00038-00-BT	ST. CLAIR	52	19		
PLOT DATE = 9/4/2019	DATE -	REVISED -				CONTRACT NO. 97710						
							ILLINOIS	FED. AID PROJECT				



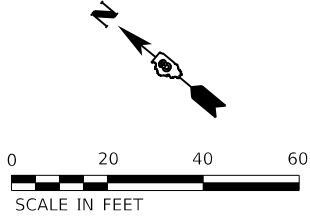
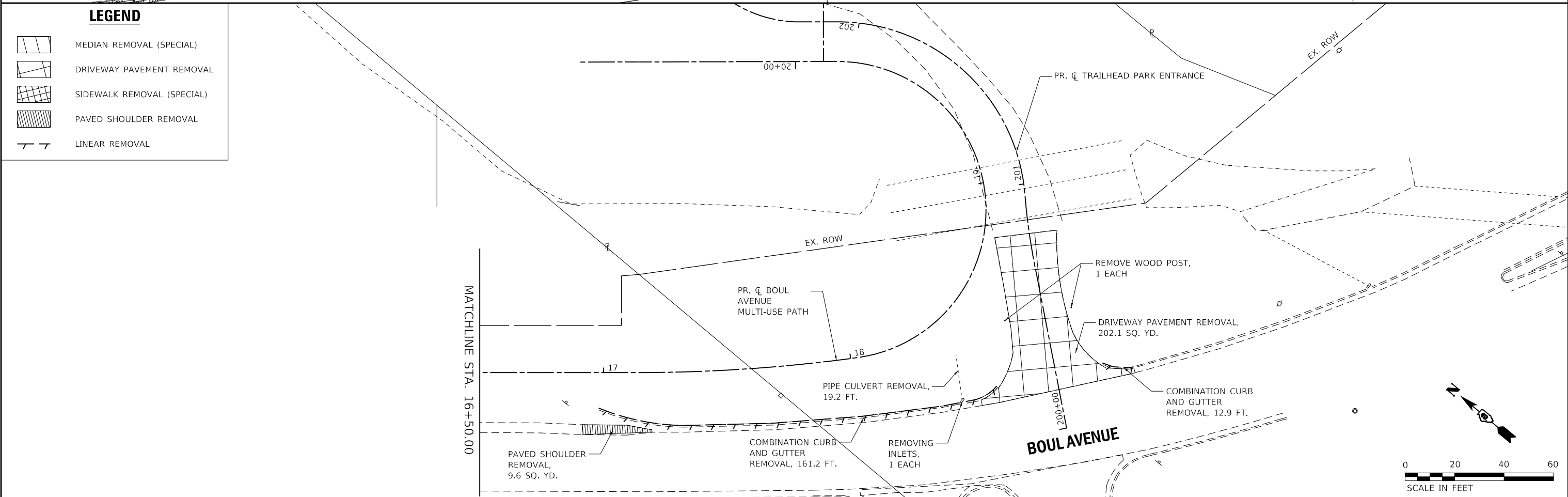
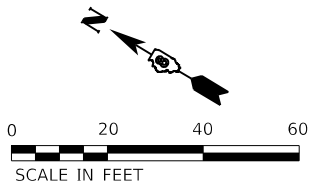
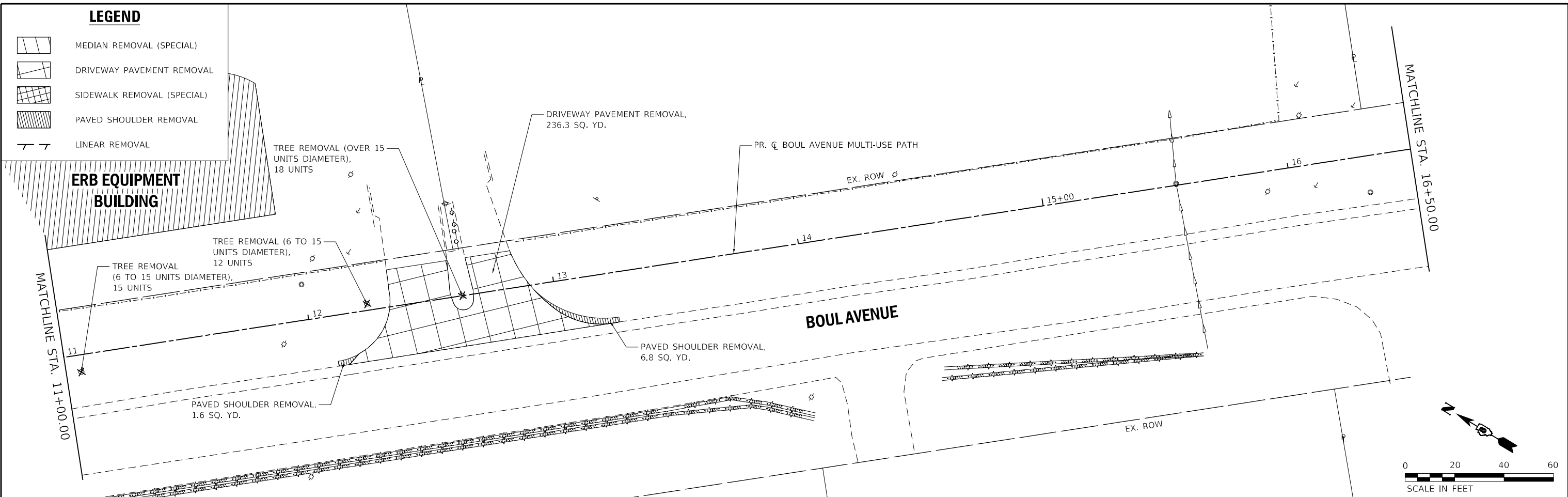
- NOTES:
- ① SEE REMOVAL PLAN, DRAINAGE AND EROSION CONTROL, PAVEMENT MARKING AND SIGNAGE SHEETS FOR ADDITIONAL INFO.
  - ② SEE ALIGNMENT, TIES, AND BENCHMARKS SHEET FOR CURVE DATA.
  - ③ SEE FENCE GROUNDING SPECIAL PROVISION AND MISCELLANEOUS DETAILS METROLINK GROUNDING REQUIREMENTS FOR ADDITIONAL INFO.



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PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -					SCALE: 1" = 20' SHEET 6 OF 6 SHEETS STA. 105+00.00 TO STA. 106+46.42							
PLOT DATE = 9/4/2019	CHECKED -	REVISED -					ILLINOIS FED. AID PROJECT							
	DATE -	REVISED -					CONTRACT NO. 97710							



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PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -				9293	17-00038-00-BT	ST. CLAIR	52	21		
PLOT DATE = 8/6/2019	CHECKED -	REVISED -				CONTRACT NO. 97710				ILLINOIS	FED. AID PROJECT	
						SCALE: 1" = 20'	SHEET 1 OF 3 SHEETS	STA. 0+03.51	TO STA. 11+00.00			



**LEGEND**

	MEDIAN REMOVAL (SPECIAL)
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL (SPECIAL)
	PAVED SHOULDER REMOVAL
	LINEAR REMOVAL

USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/5/2019	CHECKED -	REVISED -
	DATE -	REVISED -

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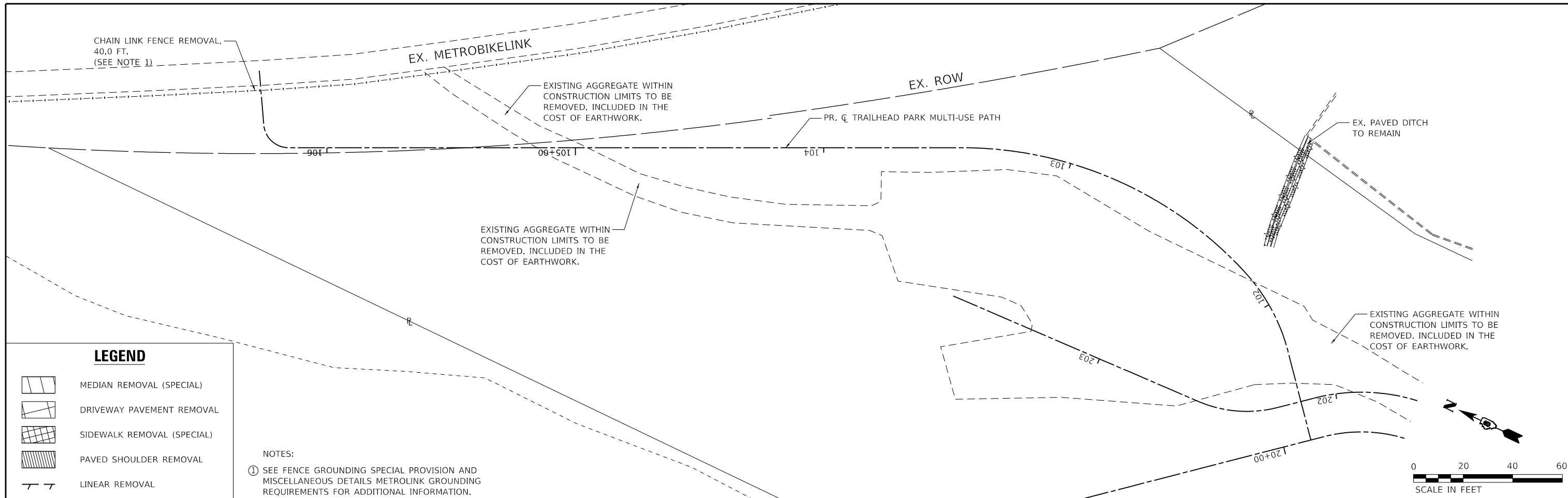


**BOUL AVENUE MULTI-USE PATH**

**REMOVAL PLAN**  
**BOUL AVENUE MULTI-USE PATH**

SCALE: 1" = 20'    SHEET 2 OF 3 SHEETS    STA. 11+00.00 TO STA. 19+93.70

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	22
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				



**LEGEND**

-  MEDIAN REMOVAL (SPECIAL)
-  DRIVEWAY PAVEMENT REMOVAL
-  SIDEWALK REMOVAL (SPECIAL)
-  PAVED SHOULDER REMOVAL
-  LINEAR REMOVAL

NOTES:

① SEE FENCE GROUNDING SPECIAL PROVISION AND MISCELLANEOUS DETAILS METROLINK GROUNDING REQUIREMENTS FOR ADDITIONAL INFORMATION.

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PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/5/2019	CHECKED -	REVISED -
	DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

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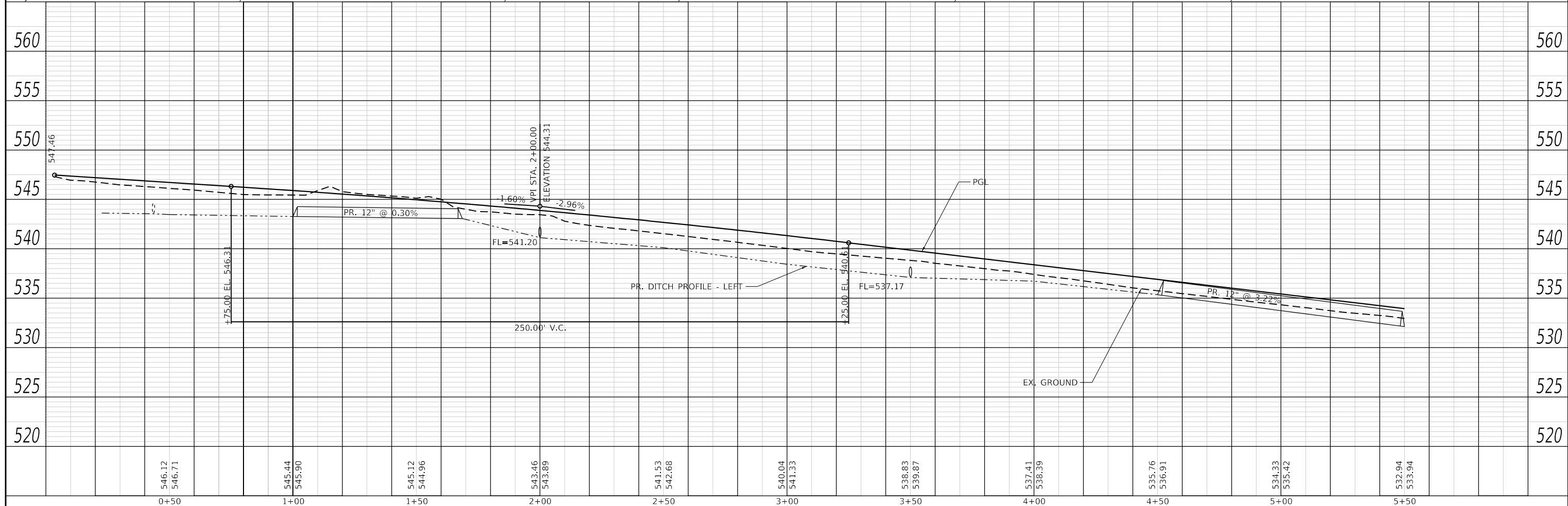
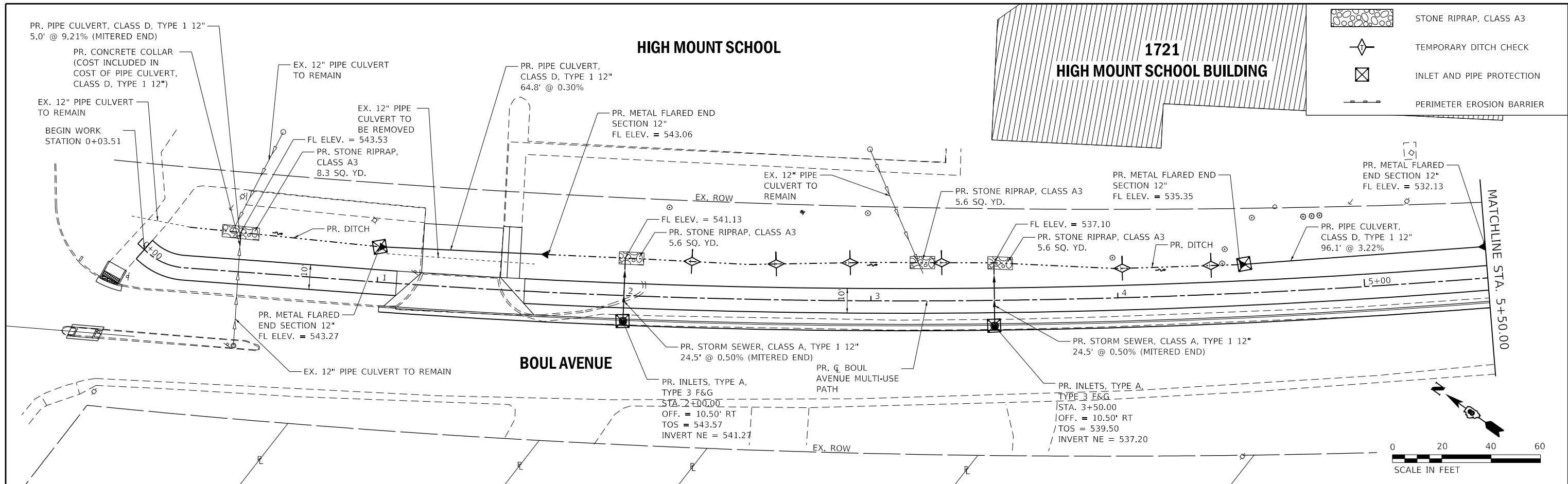


**BOUL AVENUE  
MULTI-USE  
PATH**

**REMOVAL PLAN  
TRAILHEAD PARK MULTI-USE PATH**

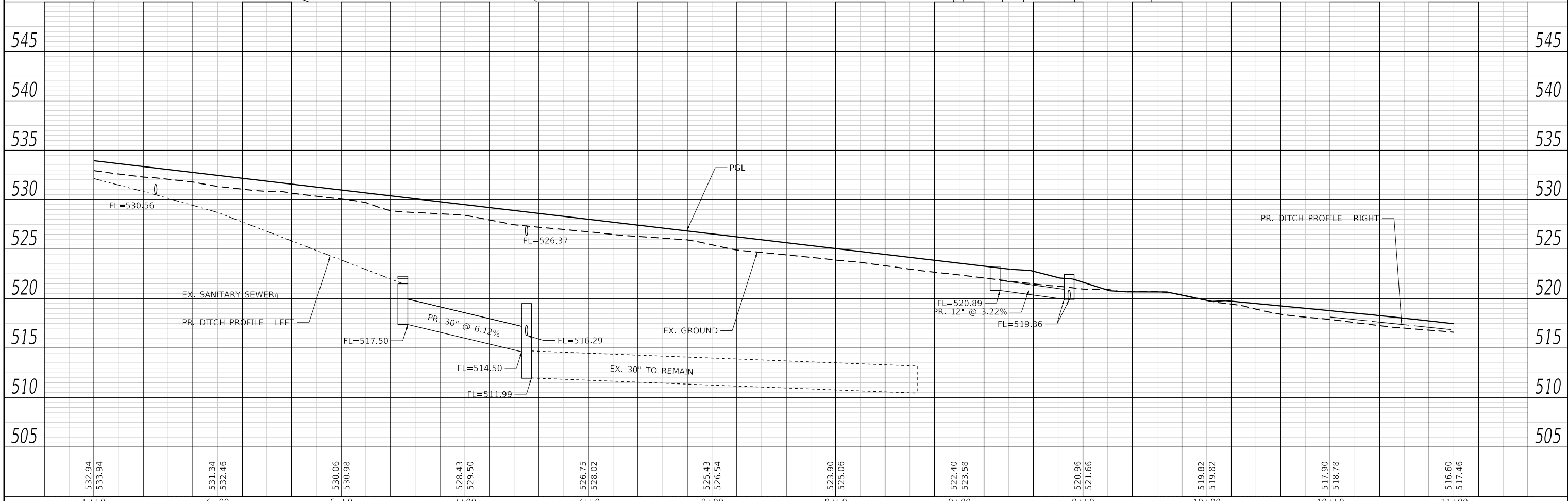
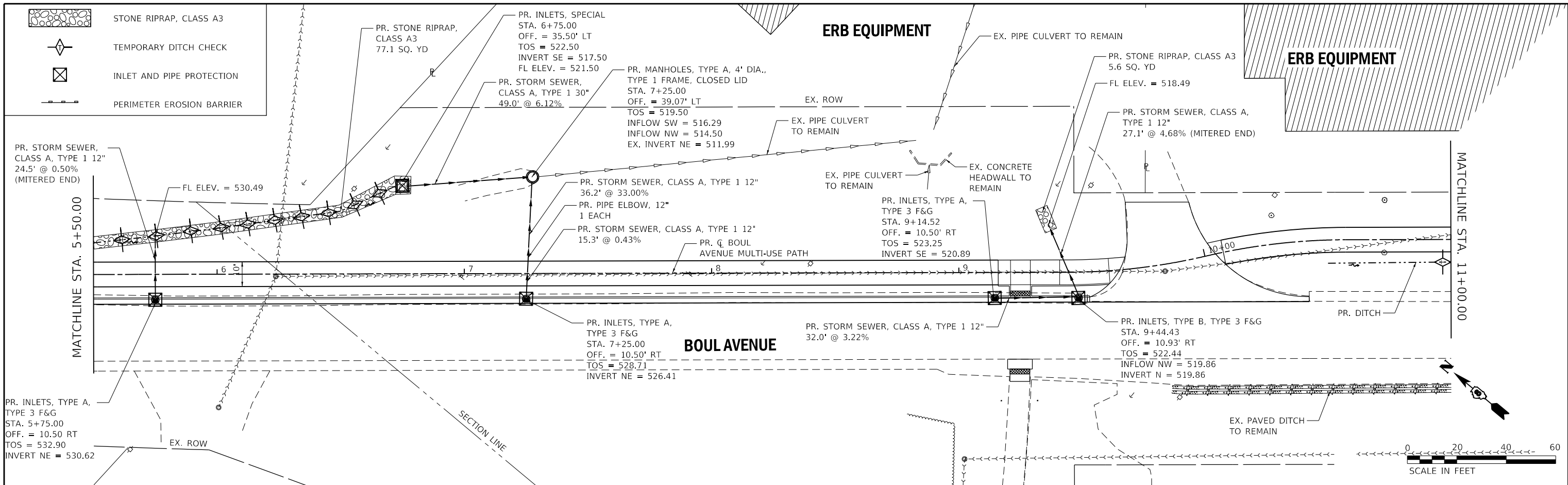
SCALE: 1" = 20' SHEET 3 OF 3 SHEETS STA. 101+47.81 TO STA. 106+46.42

F.A.U. RTE. 9293	SECTION 17-00038-00-BT	COUNTY ST. CLAIR	TOTAL SHEETS 52	SHEET NO. 23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97710	



USER NAME = esmith DRAWN - CHECKED - DATE - PLOT SCALE = 40,0000 " / in. PLOT DATE = 8/8/2019	DESIGNED - REVISIONS - DATE -	THOUVENOT, <b>WADE &amp;          MOERCHEN, INC.</b> SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES	CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.6688	<b>TWM</b> EXCEPTIONAL SERVICE. NOTHING LESS.	<b>BOUL AVENUE          MULTI-USE          PATH</b>	<b>DRAINAGE AND EROSION CONTROL          BOUL AVENUE MULTI-USE          PATH</b>	F.A.U. RTE. 9293 SECTION 17-00038-00-BT COUNTY ST. CLAIR TOTAL SHEETS 52 SHEET NO. 24 CONTRACT NO. 97710 ILLINOIS FED. AID PROJECT
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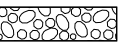





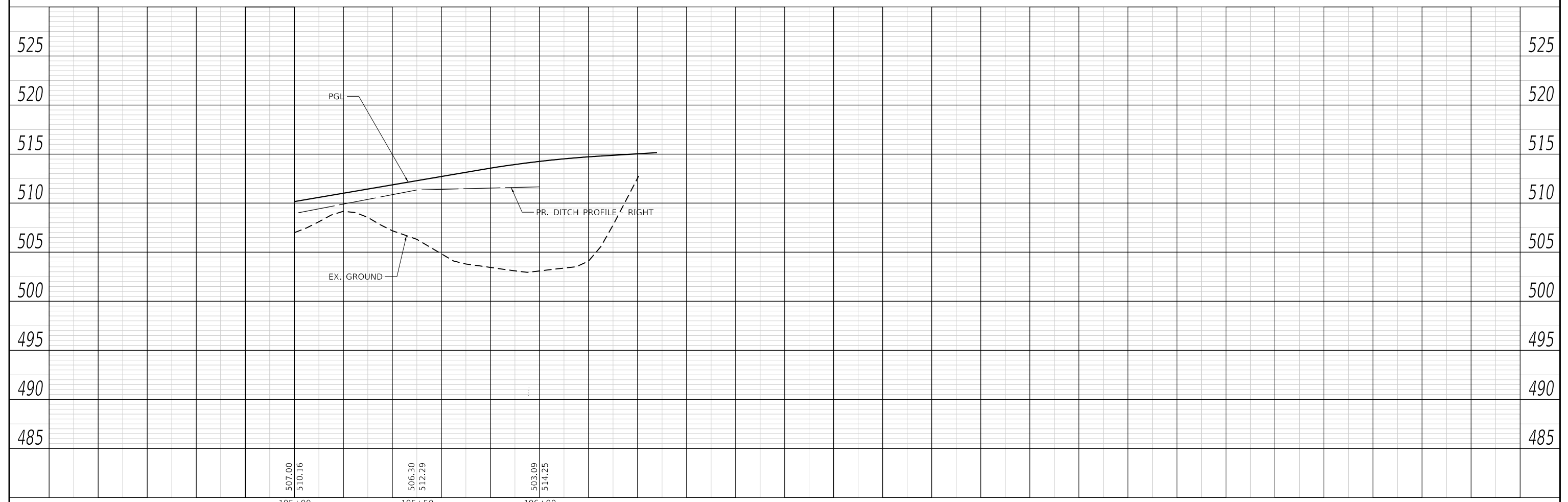
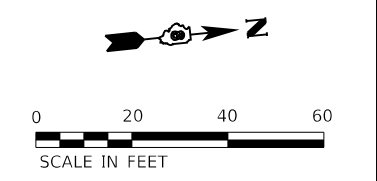
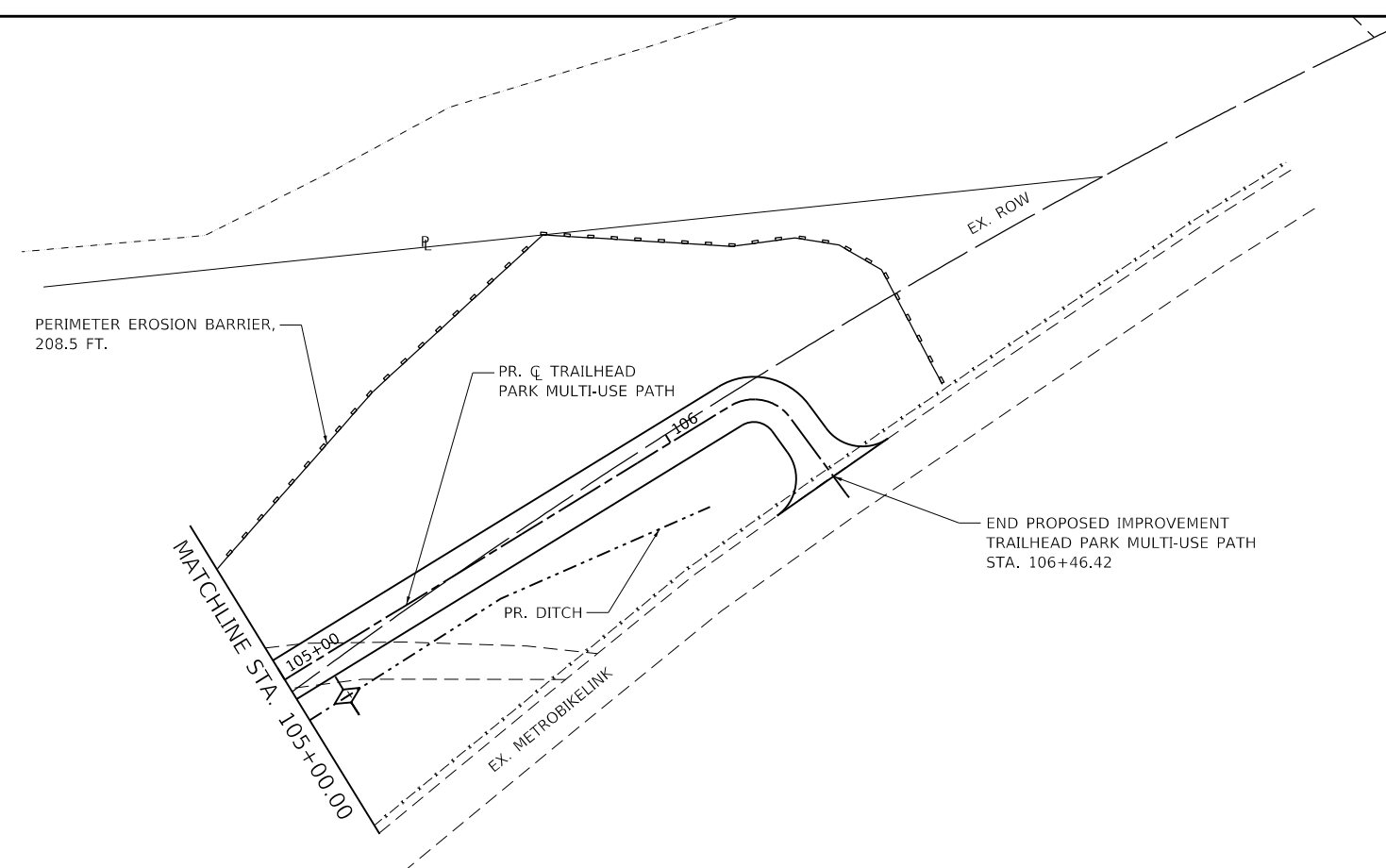
5+50	532.94 533.94	6+00	531.34 532.46	6+50	530.06 530.98	7+00	528.43 529.50	7+50	526.75 528.02	8+00	525.43 526.54	8+50	523.90 525.06	9+00	522.40 523.58	9+50	520.96 521.66	10+00	519.82 519.82	10+50	517.90 518.78	11+00	516.60 517.46
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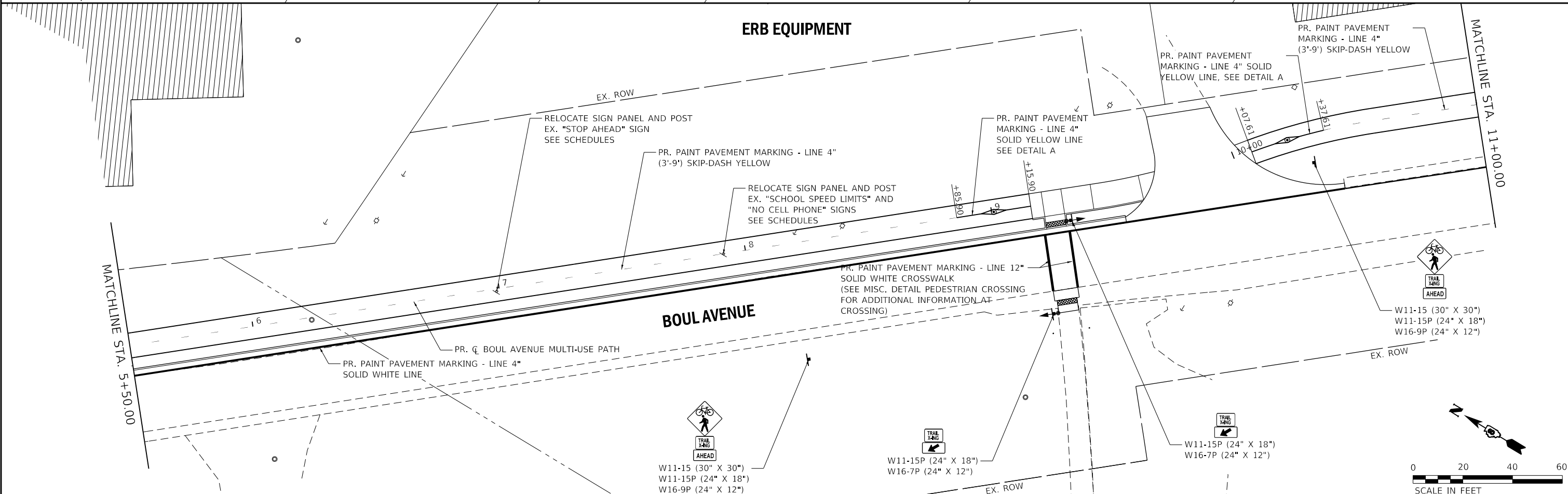
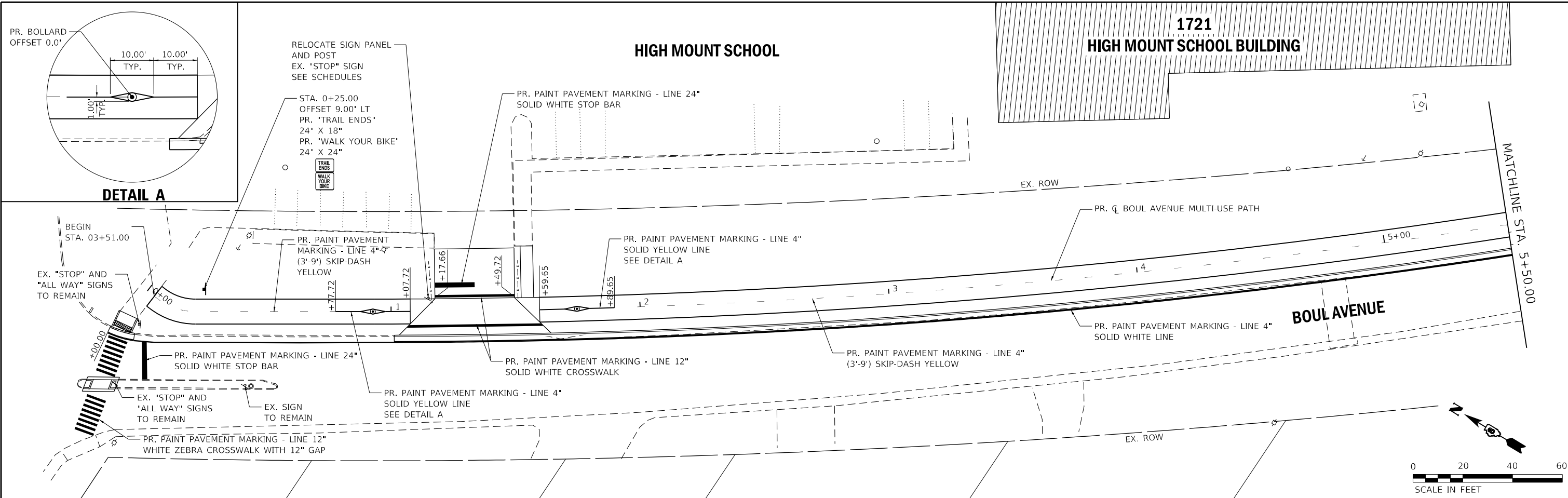




	STONE RIPRAP, CLASS A3
	TEMPORARY DITCH CHECK
	INLET AND PIPE PROTECTION
	PERIMETER EROSION BARRIER

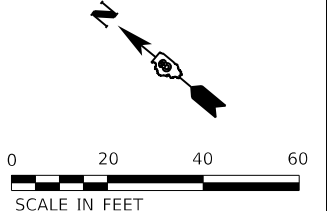
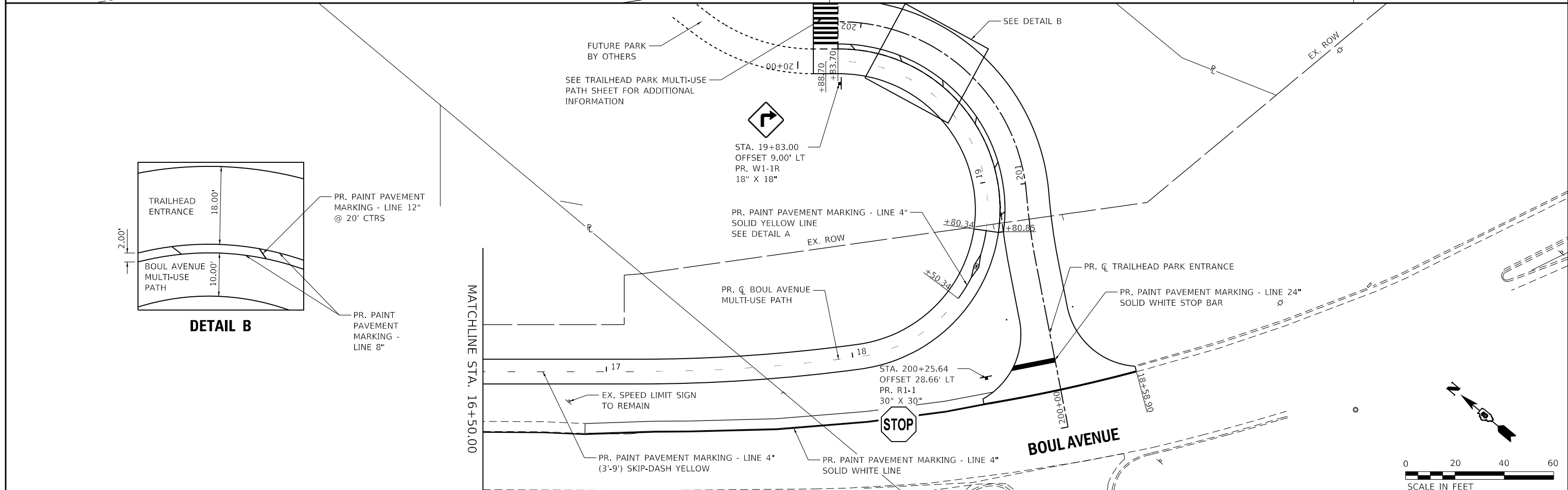
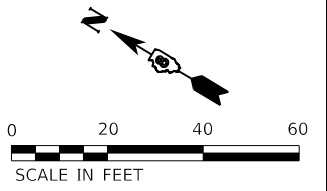
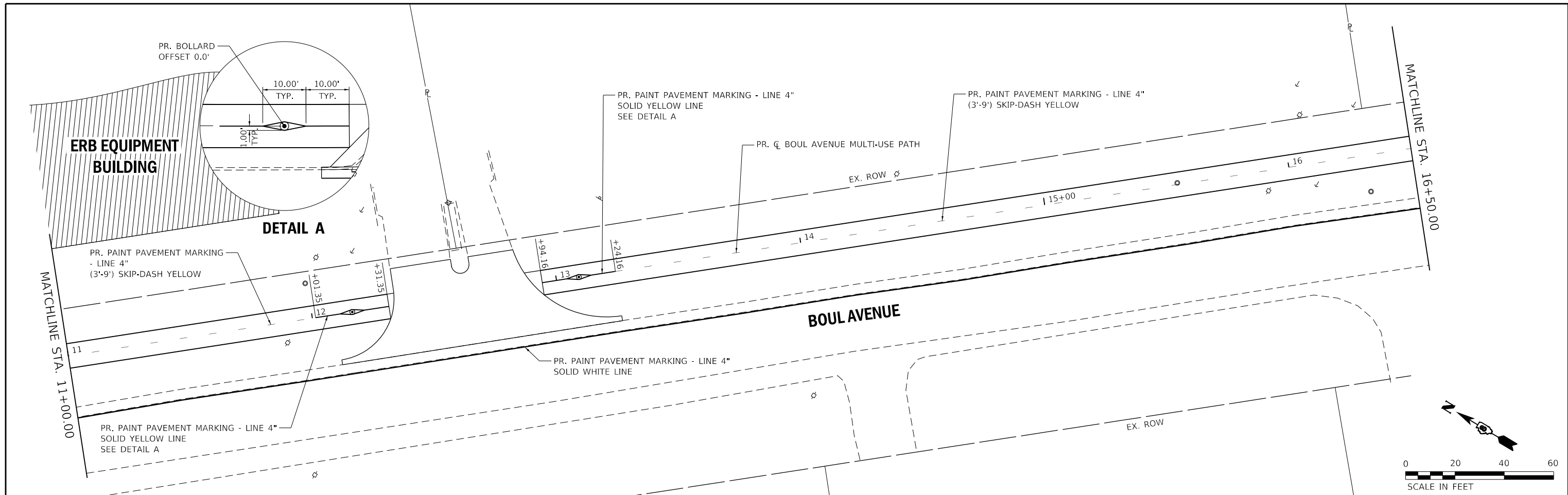


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PLOT SCALE = 40,0000' / in.	CHECKED -	REVISED -				SCALE: 1" = 20'		SHEET 6 OF 6 SHEETS	STA. 105+00.00 TO STA. 106+46.42	CONTRACT NO. 97710		ILLINOIS FED. AID PROJECT
PLOT DATE = 8/5/2019	DATE -	REVISED -										

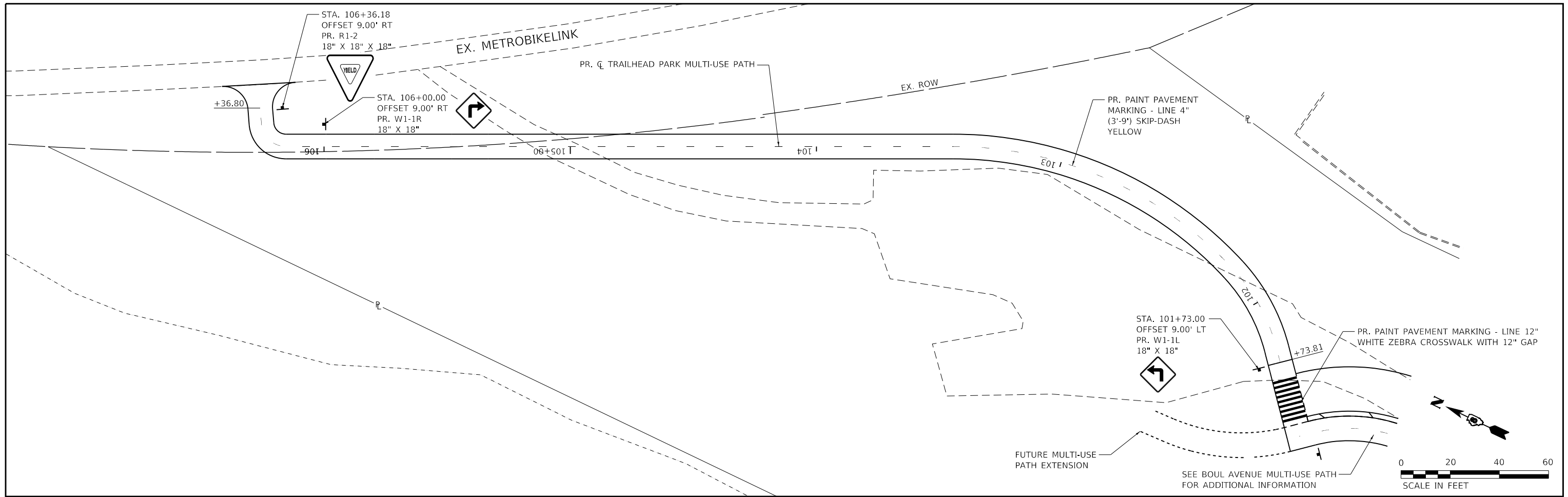


USER NAME = esmith	DESIGNED -	REVISED -	<b>THOUVENOT, WADE &amp; MOERCHEN, INC.</b> CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.6688 SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES		<b>BOUL AVENUE MULTI-USE PATH</b>	<b>PAVEMENT MARKING AND SIGNAGE BOUL AVENUE MULTI-USE PATH</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 40,0000" / in.	DRAWN -	REVISED -					9293	17-00038-00-BT	ST. CLAIR	52	30
PLOT DATE = 8/6/2019	CHECKED -	REVISED -					CONTRACT NO. 97710				
			SCALE: 1" = 20'			SHEET 1 OF 3 SHEETS			STA. 0+03.51 TO STA. 11+00.00		

ILLINOIS FED. AID PROJECT



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PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -				9293	17-00038-00-BT	ST. CLAIR	52	31		
PLOT DATE = 8/5/2019	CHECKED -	REVISED -				CONTRACT NO. 97710				ILLINOIS	FED. AID PROJECT	
			DATE -	REVISED -	SCALE: 1" = 20'	SHEET 2 OF 3 SHEETS	STA. 11+00.00 TO STA. 19+93.70					



USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/5/2019	CHECKED -	REVISED -
	DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

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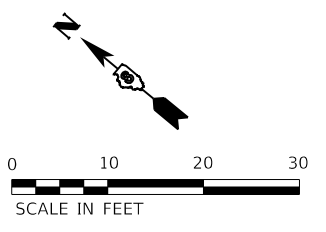
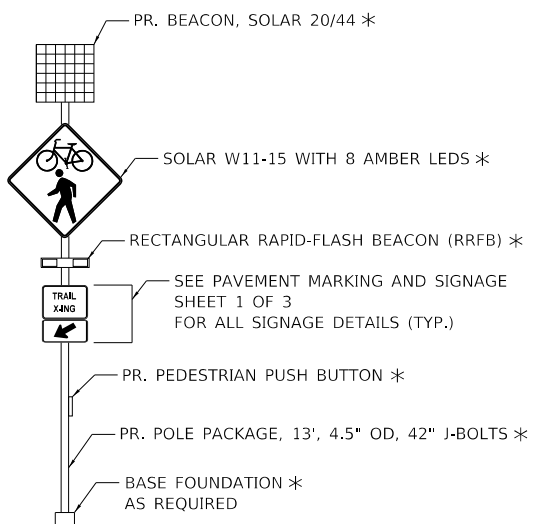
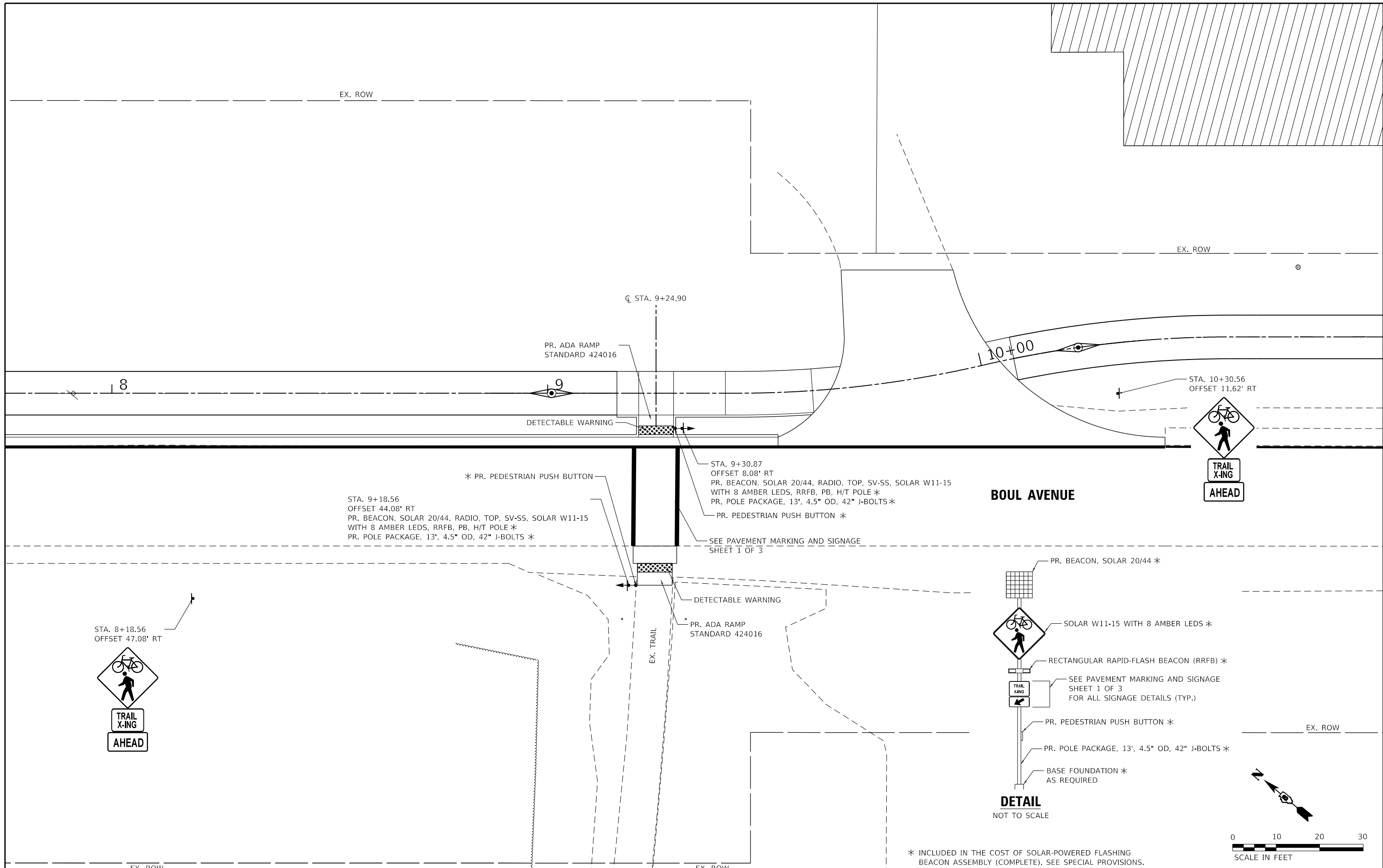


**BOUL AVENUE  
MULTI-USE  
PATH**

**PAVEMENT MARKING AND SIGNAGE  
TRAILHEAD PARK MULTI-USE PATH**  
SCALE: 1" = 20'  
SHEET 3 OF 3 SHEETS  
STA. 101+42.81 TO STA. 106+46.42

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	32
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				





\* INCLUDED IN THE COST OF SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE). SEE SPECIAL PROVISIONS.

USER NAME = esmith	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2019	DATE -	REVISED -

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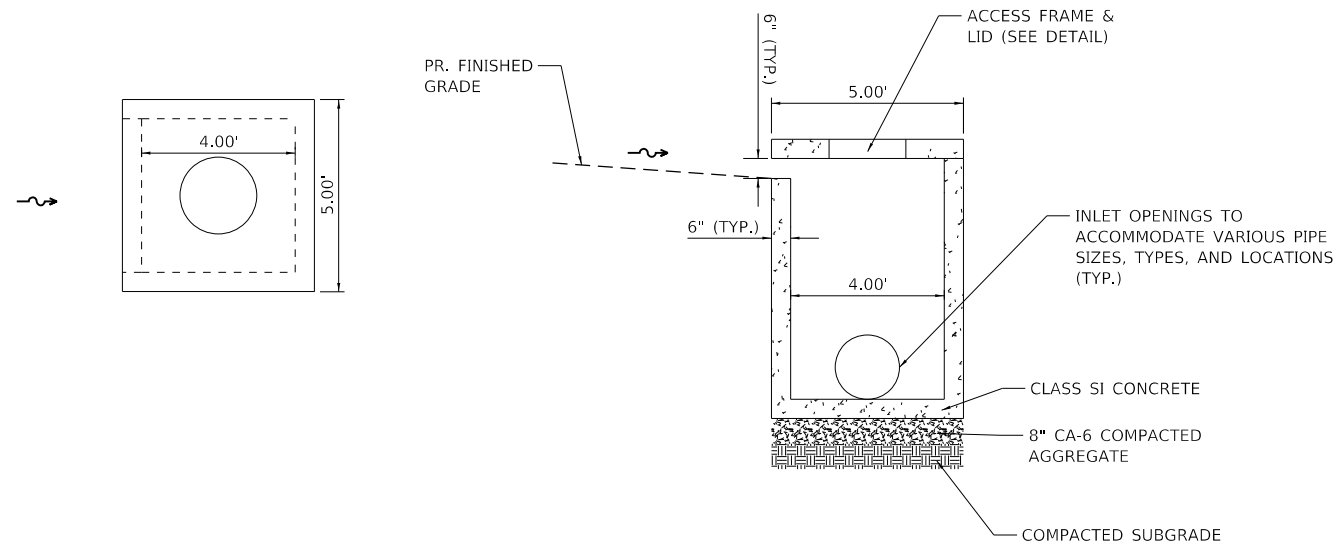


**BOUL AVENUE  
MULTI-USE  
PATH**

**MISCELLANEOUS DETAILS  
PEDESTRIAN CROSSING**

SCALE: 1" = 10' SHEET 1 OF 4 SHEETS STA. TO STA.

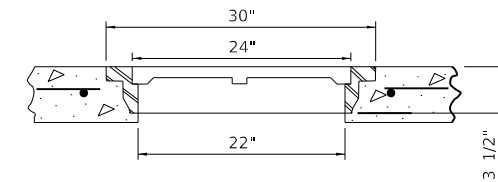
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	33
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				



**INLETS, SPECIAL**

OPEN THROAT INLET (1-SIDE)

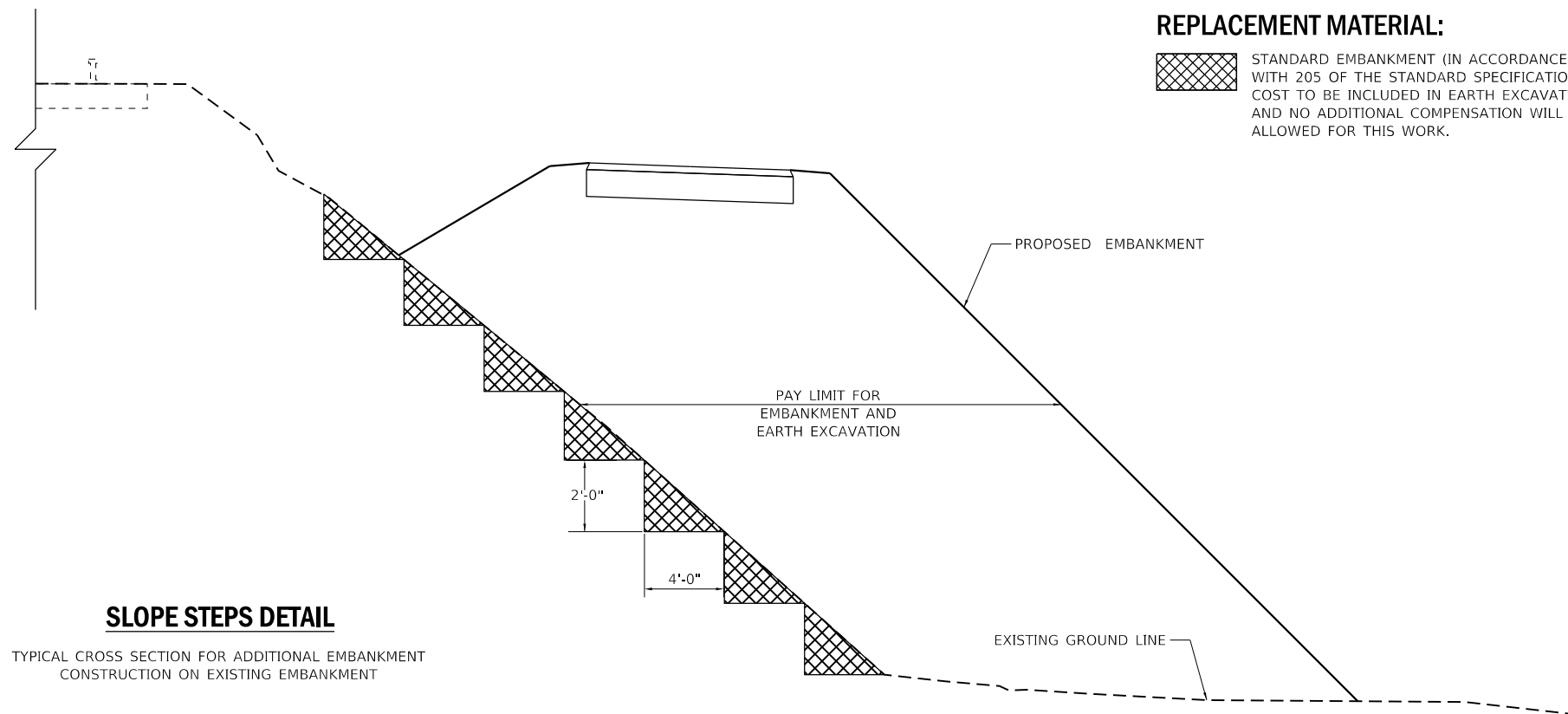
DIMENSIONS SHOWN ARE FOR A 4' X 4' INSIDE STRUCTURE



**ACCESS FRAME AND LID**

**GENERAL NOTES:**

1. SLOPE STEPS WILL BE REQUIRED ALONG ALL EXISTING EMBANKMENTS HIGHER THAN 6'.
2. THE STEP WIDTH SHALL BE 4'-0" AND THE STEP DEPTH SHALL BE 2'-0".
3. REFER TO ARTICLE 205.03 FOR EMBANKMENT TO BE CONSTRUCTED ON HILLSIDE OF SLOPES, OR IF EXISTING EMBANKMENTS ARE TO BE WIDENED.



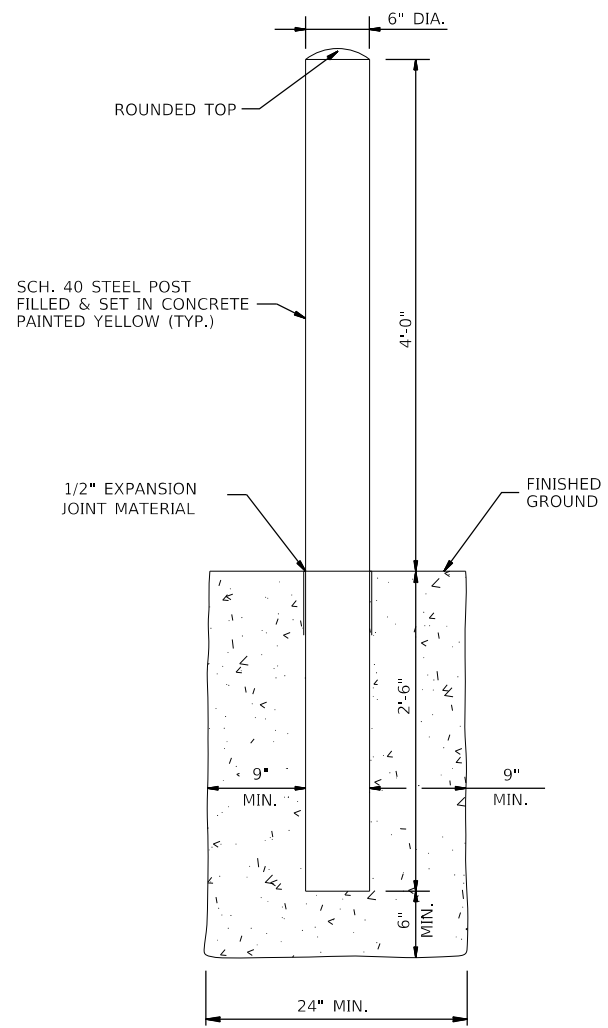
**SLOPE STEPS DETAIL**

TYPICAL CROSS SECTION FOR ADDITIONAL EMBANKMENT CONSTRUCTION ON EXISTING EMBANKMENT


**REPLACEMENT MATERIAL:**

STANDARD EMBANKMENT (IN ACCORDANCE WITH 205 OF THE STANDARD SPECIFICATION). COST TO BE INCLUDED IN EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK.

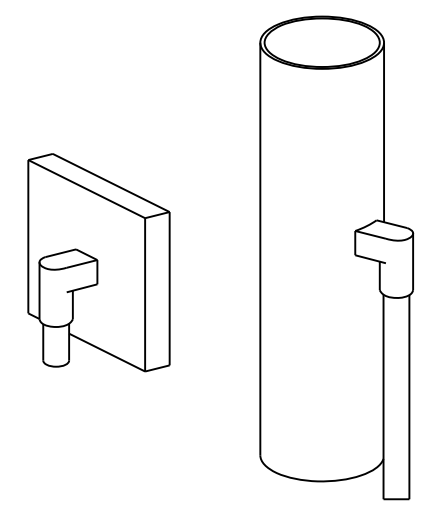
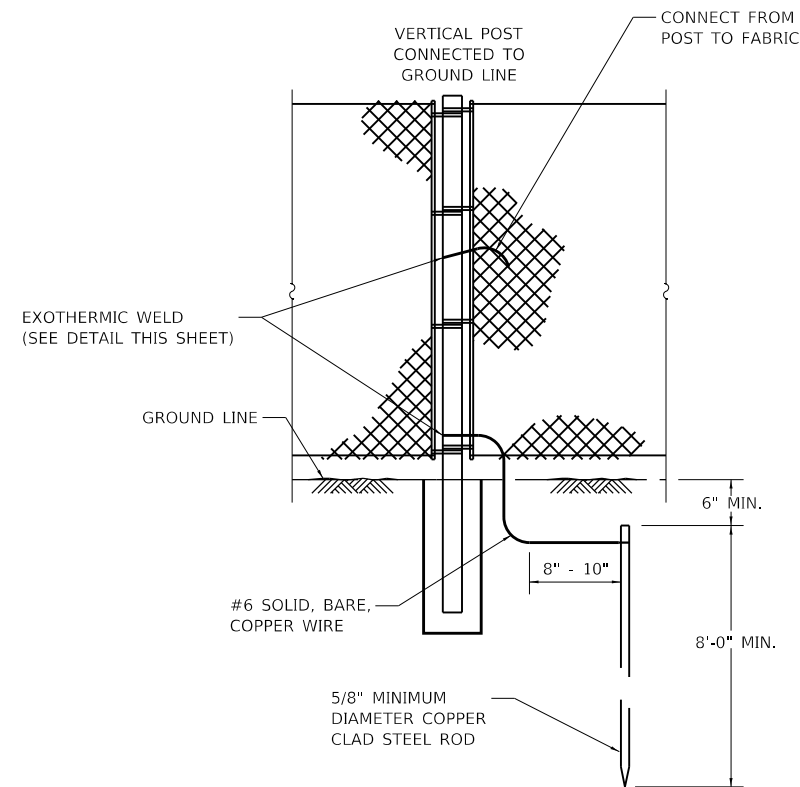
USER NAME = esmith	DESIGNED -	REVISED -	<b>THOUVENOT, WADE &amp; MOERCHEN, INC.</b> CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.6688 SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES	 EXCEPTIONAL SERVICE. NOTHING LESS.	<b>BOUL AVENUE MULTI-USE PATH</b>	<b>MISCELLANEOUS DETAILS</b> <b>INETS, SPECIAL AND SLOPE STEPS</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 5,0000' / in.	DRAWN -	REVISED -						9293	17-00038-00-BT	ST. CLAIR	52	34
PLOT DATE = 8/5/2019	CHECKED -	REVISED -						SCALE: N.T.S.		SHEET 2	OF 4	SHEETS



**BOLLARD DETAIL**

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PLOT SCALE = 5,0000' / in.	DRAWN -	REVISED -							9293	17-00038-00-BT	ST. CLAIR	52	35
PLOT DATE = 8/5/2019	CHECKED -	REVISED -				SCALE: N.T.S. SHEET 3 OF 4 SHEETS STA. TO STA.			CONTRACT NO. 97710				
DATE -	REVISED -	REVISED -							ILLINOIS FED. AID PROJECT				

## METROLINK GROUNDING REQUIREMENTS



**TYPICAL EXOTHERMIC WELD VERTICAL  
CABLE TO VERTICAL STEEL**

### METROLINK STANDARD GROUND

**NOTES:**

1. PAINTED OR COVERED SURFACE TO HAVE COATING REMOVED TO BARE METAL PRIOR TO MAKING GROUNDING CONNECTIONS.
2. FOLLOWING INSTALLATION, RECOAT EXPOSED METAL AND EXOTHERMIC WELDS TO MATCH THE SURROUNDING COATING SYSTEM.
3. ALL BOLTED GROUNDING CONNECTORS SHALL BE INSTALLED WITH A LOCK WASHER UNDER THE NUT. HARDWARE FOR BOLTED CONNECTIONS SHALL BE A MINIMUM OF 3/8" DIAMETER AND SHALL BE STAINLESS STEEL.
4. CONNECTIONS SHALL BE A MINIMUM OF 3/8" DIAMETER AND SHALL BE STAINLESS STEEL. FENCES ARE TO BE GROUNDED AT EACH END.
5. GROUND RODS SHALL BE INSTALLED AT 500 FOOT MAXIMUM INTERVALS.
6. CONNECTION TO FENCES SHALL BE MADE WITH EXOTHERMIC WELDS (SEE DETAIL THIS SHEET).

**GENERAL NOTES**

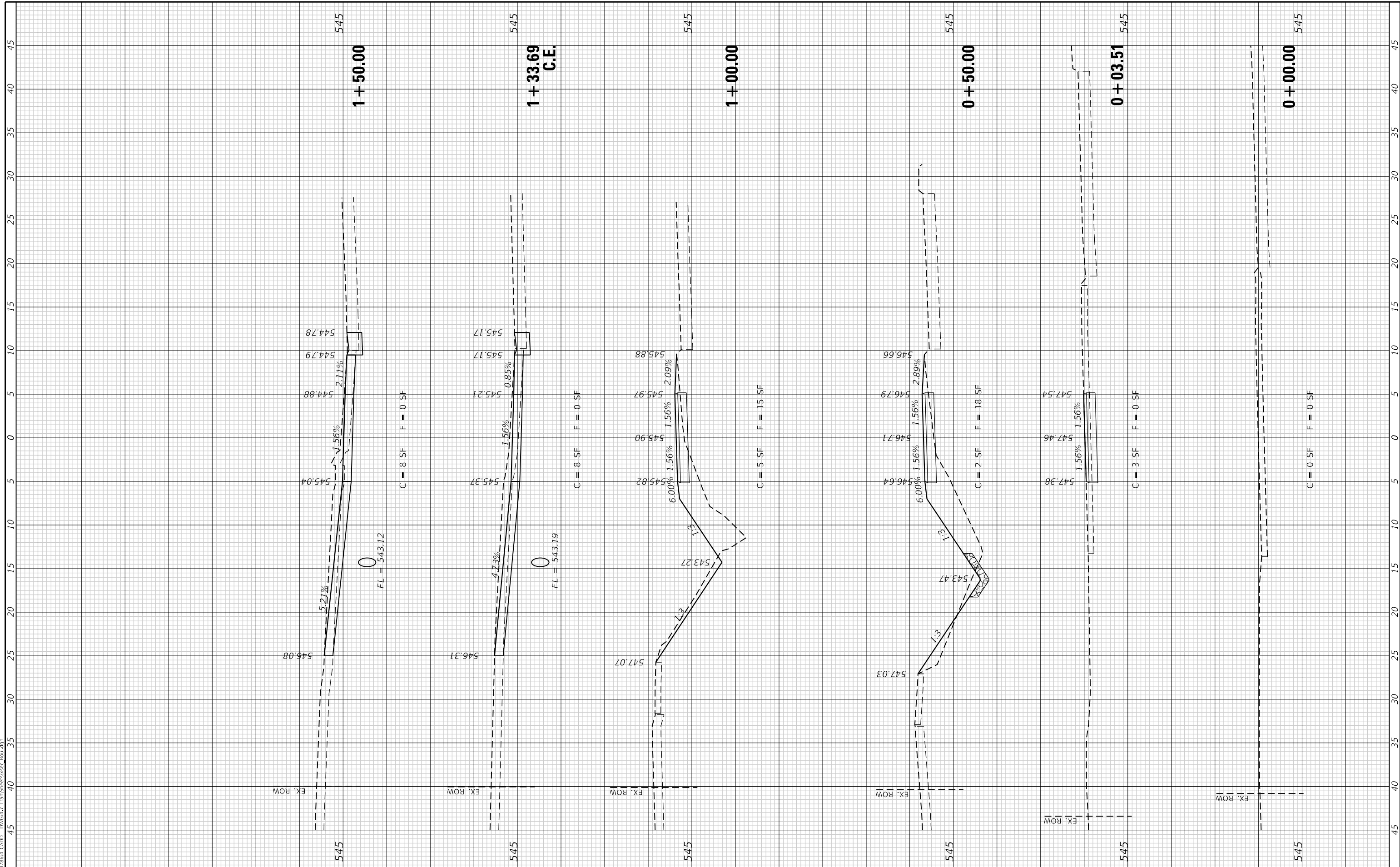
SEE CHAIN LINK FENCE REMOVAL AND FENCE GROUNDING SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

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PLOT SCALE = 5,0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 97710					
PLOT DATE = 8/5/2019	DATE -	REVISED -				SCALE: N.T.S.	SHEET 4	OF 4	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = esmith
PLOT SCALE = 10.0000" / 1.
PLOT DATE = 8/8/2019

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**BOULE AVENUE MULTI-USE PATH**

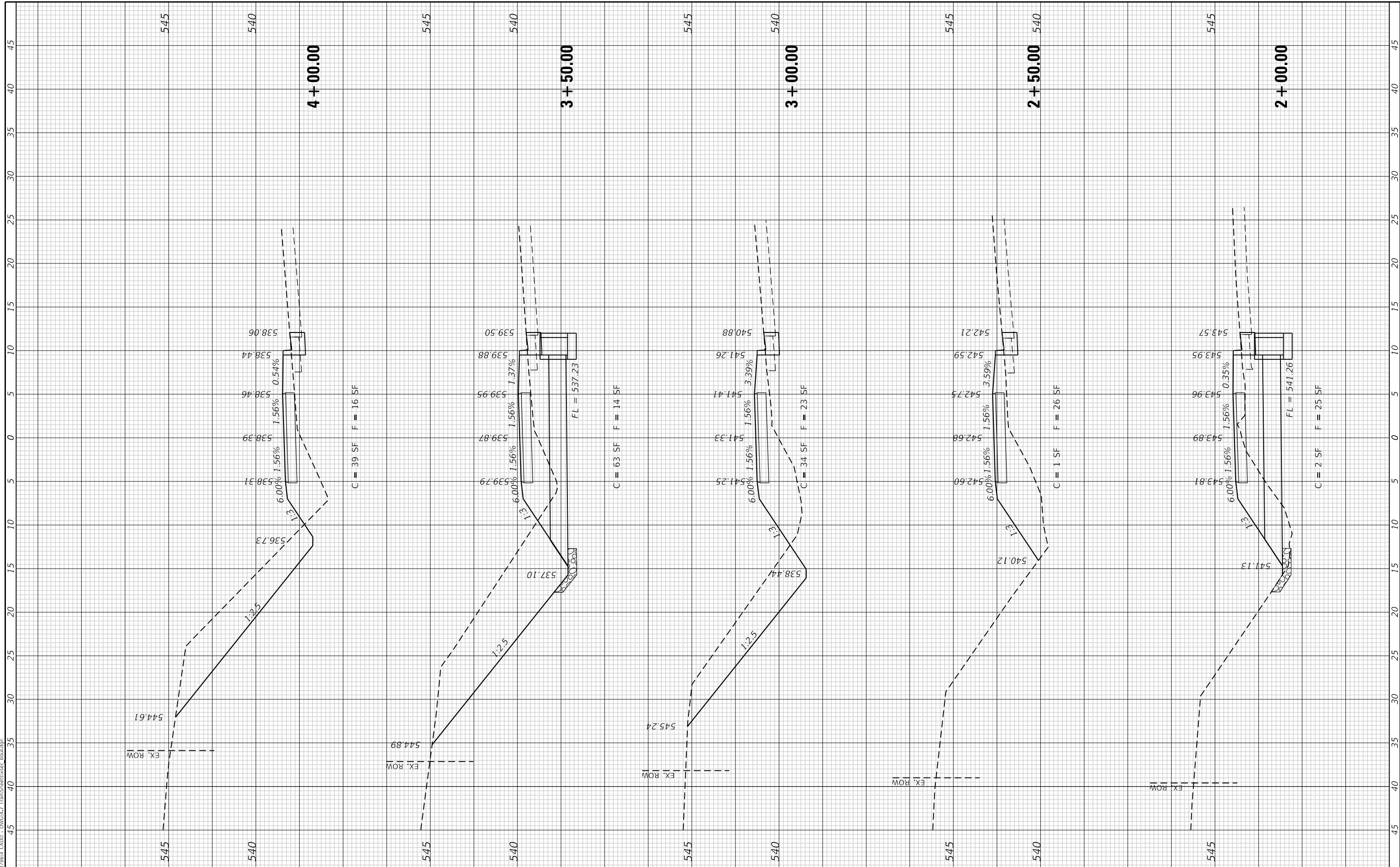
SCALE:	
SHEET 1	OF 13 SHEETS
STA. +00.00	TO STA. 1+50.00

F.A.U. RTE. 9293	SECTION 17-00038-00-BT	COUNTY ST. CLAIR	TOTAL SHEETS 52	SHEET NO. 37
CONTRACT NO. 97710			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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PLOT SCALE = 10.0000" / in.
PLOT DATE = 8/5/2019

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**BOUL AVENUE MULTI-USE PATH**

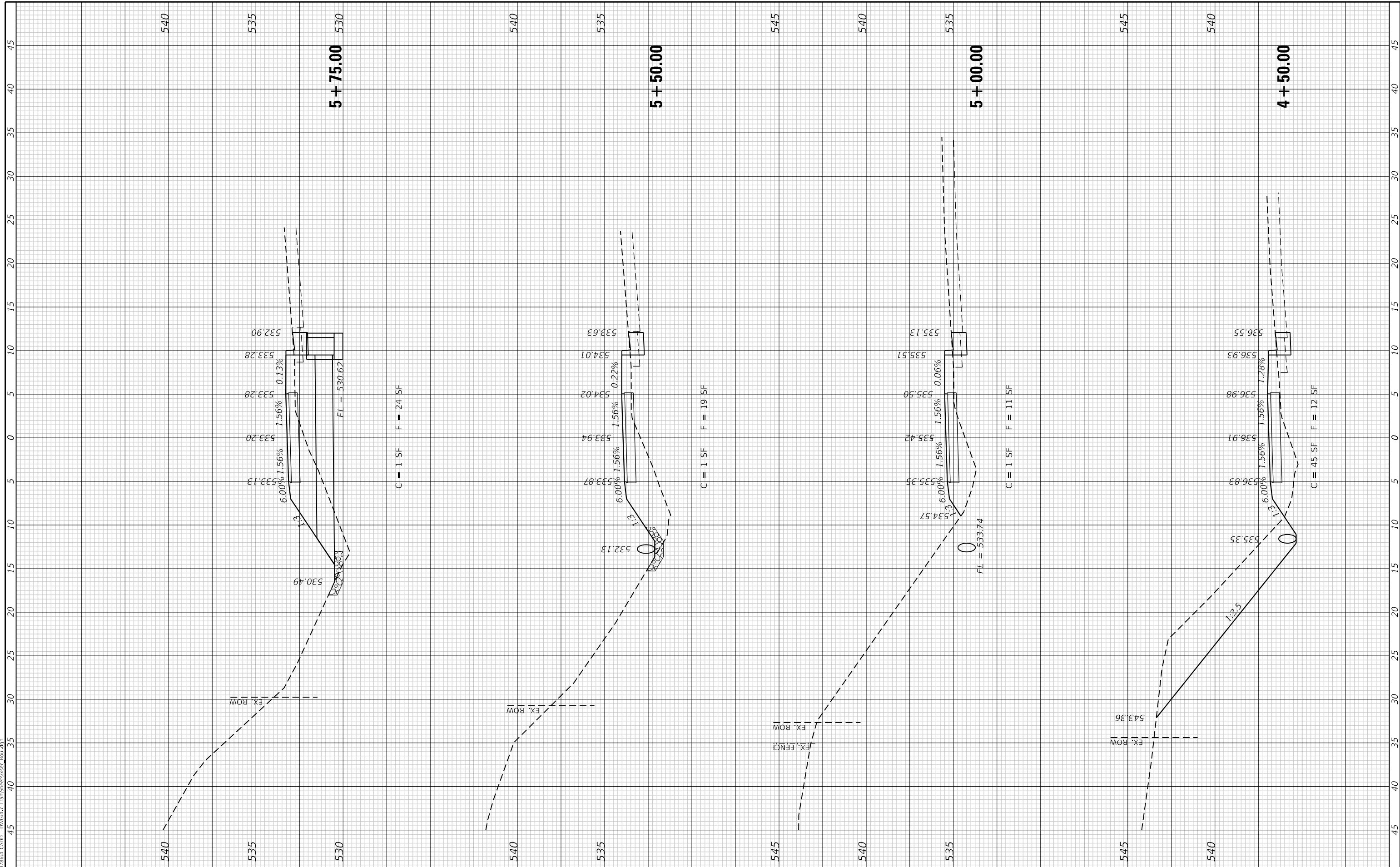
SCALE:	SHEET 2 OF 13 SHEETS	STA. 2+00.00 TO STA. 4+00.00
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F.A.U. RTE. 9293	SECTION 17-00038-00-BT	COUNTY ST. CLAIR	TOTAL SHEETS 52	SHEET NO. 38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97710	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = esmith
PLOT SCALE = 10.0000" / in.
PLOT DATE = 8/5/2019

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

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**BOULE AVENUE MULTI-USE PATH**

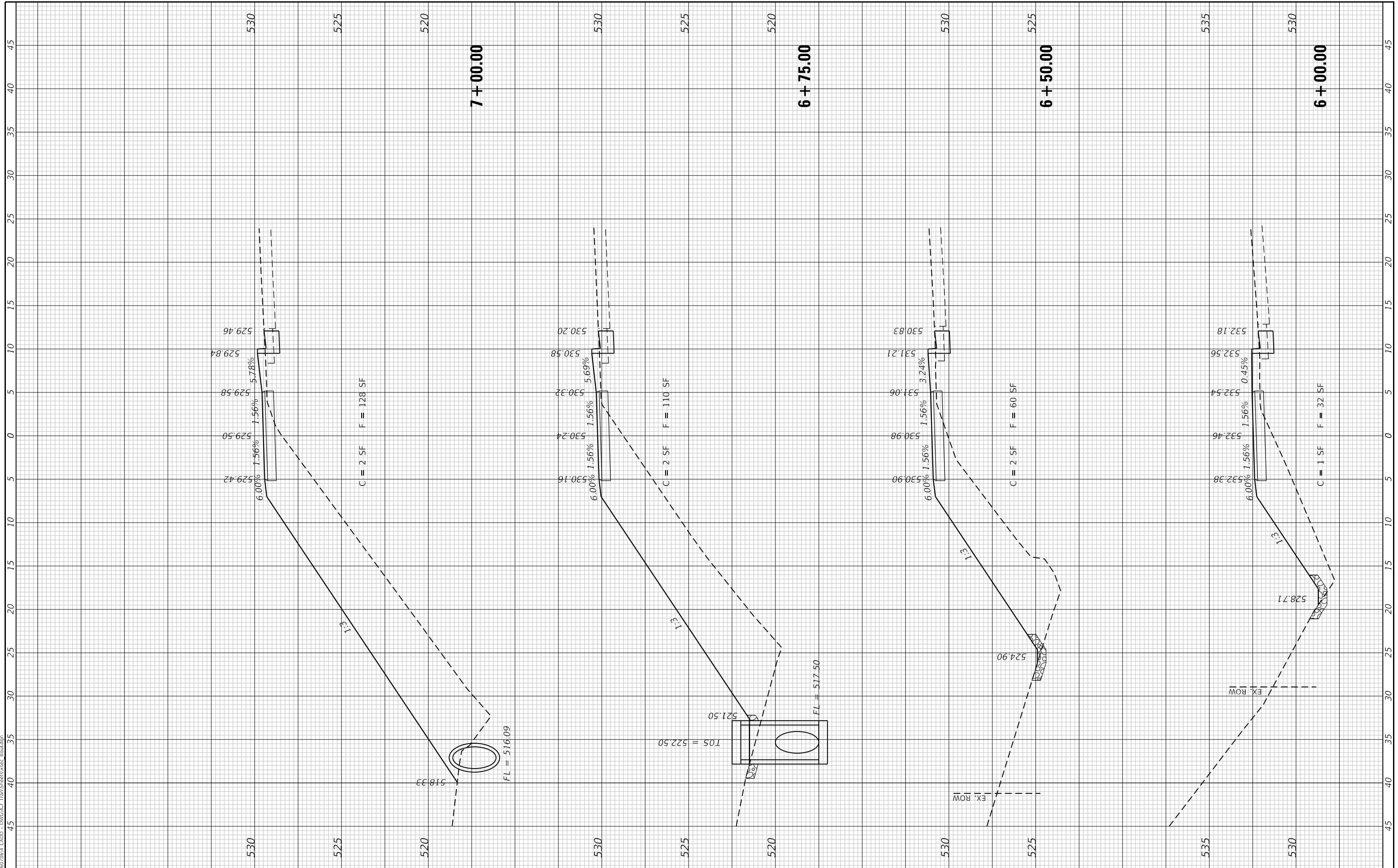
SCALE:		SHEET 3 OF 13 SHEETS		STA. 4+50.00 TO STA. 5+75.00	
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F.A.U. RTE. 9293	SECTION 17-00038-00-BT	COUNTY ST. CLAIR	TOTAL SHEETS 52	SHEET NO. 39
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97710	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE		
	AREAS CHECKED		

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PLOT SCALE = 10.0000" / 1.
PLOT DATE = 8/5/2019

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**BOUL AVENUE MULTI-USE PATH**

SCALE:	SHEET 4 OF 13 SHEETS	STA. 6+00.00 TO STA. 7+00.00
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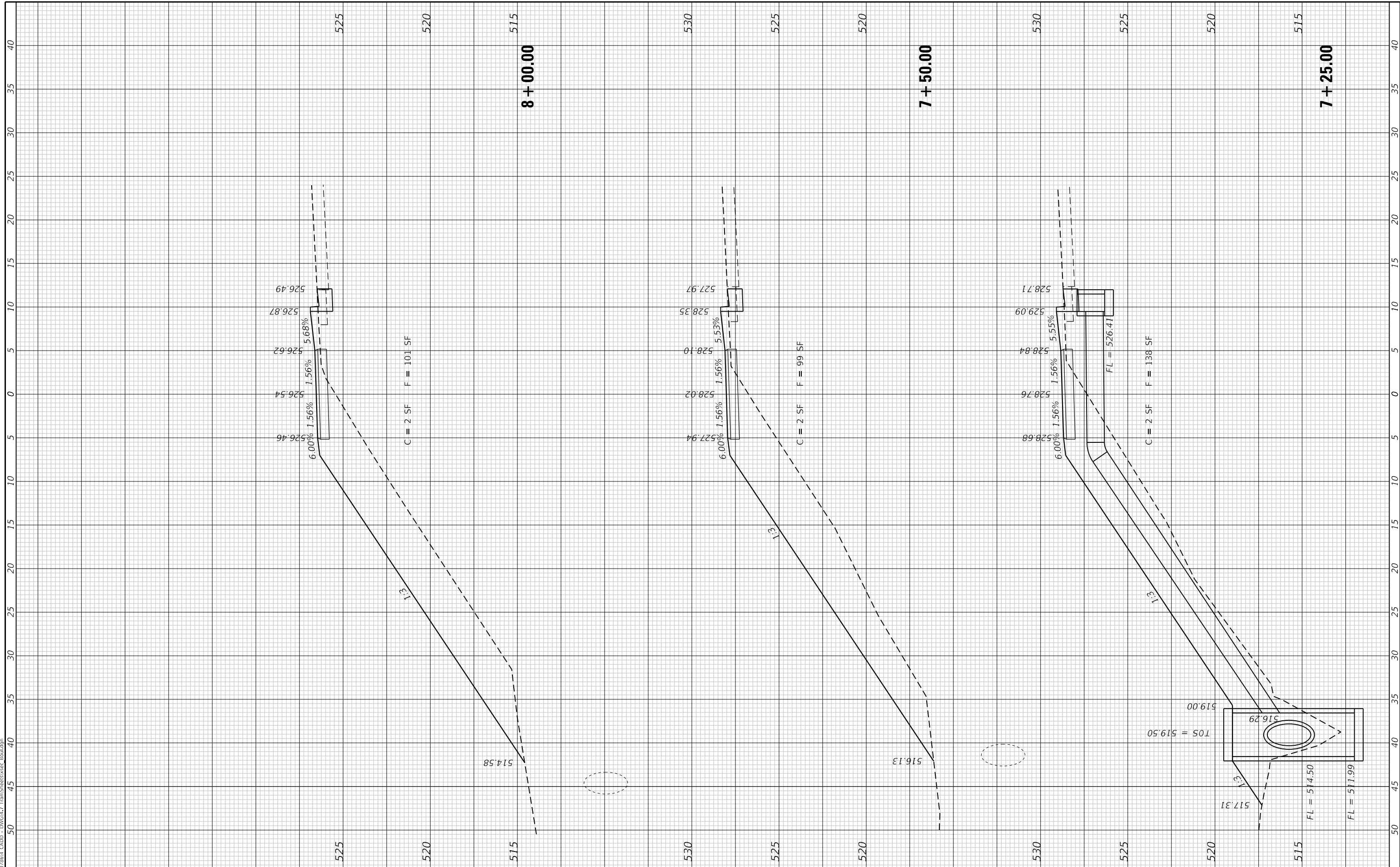
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	40
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = esmith
PLOT SCALE = 10.0000" / in.
PLOT DATE = 8/5/2019

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CHECKED -	REVISED -
DATE -	REVISED -

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**BOUL AVENUE MULTI-USE PATH**

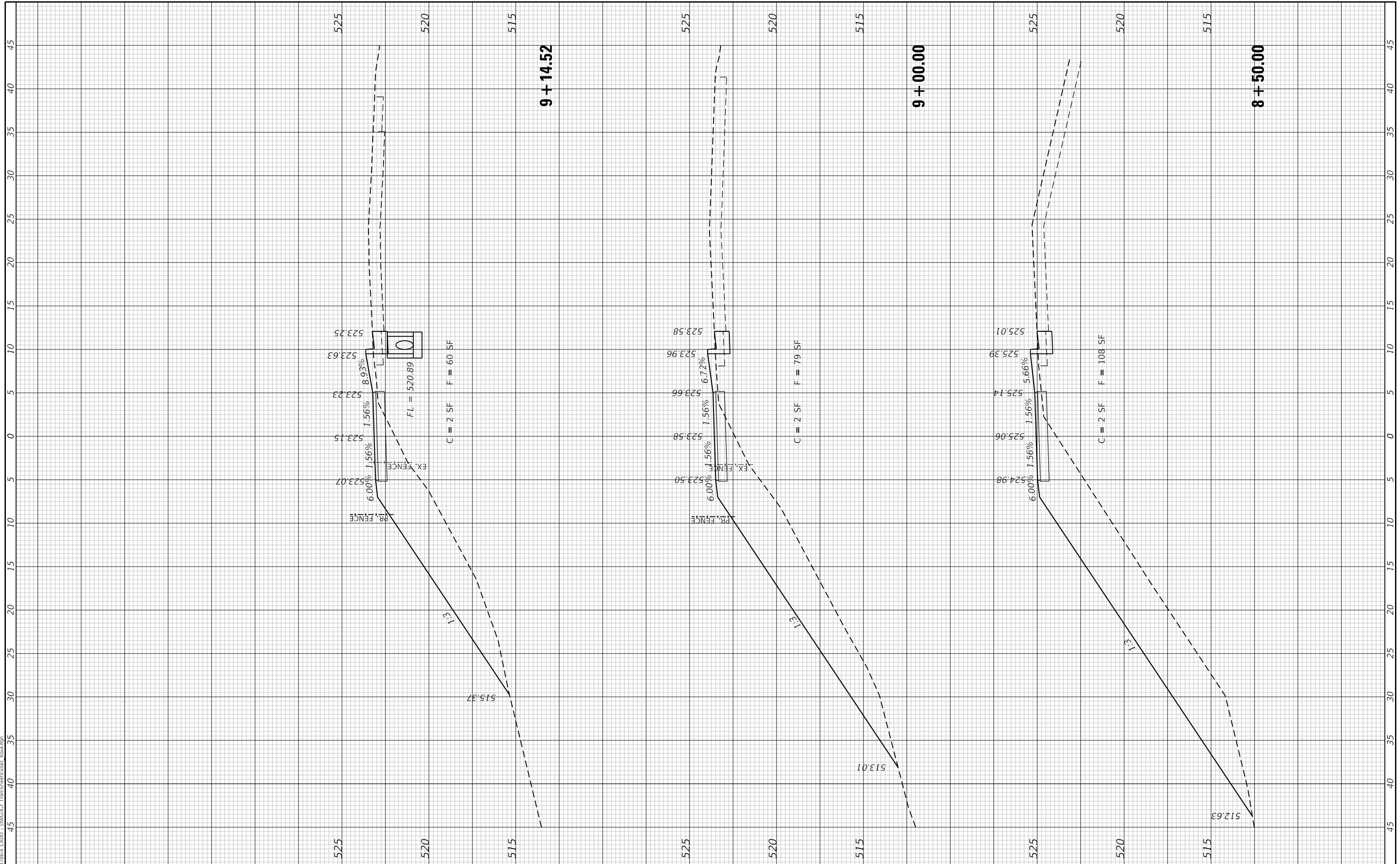
<b>CROSS SECTIONS</b>	
<b>BOUL AVENUE MULTI-USE PATH</b>	
SCALE:	STA. 7+25.00 TO STA. 8+00.00
SHEET 5	OF 13 SHEETS

F.A.U. RTE. 9293	SECTION 17-00038-00-BT	COUNTY ST. CLAIR	TOTAL SHEETS 52	SHEET NO. 41
CONTRACT NO. 97710			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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PLOT SCALE = 10.0000" / in.	DRAWN -	REVISED -
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	DATE -	REVISED -

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**BOUL AVENUE  
MULTI-USE  
PATH**

**CROSS SECTIONS  
BOUL AVENUE MULTI-USE  
PATH**

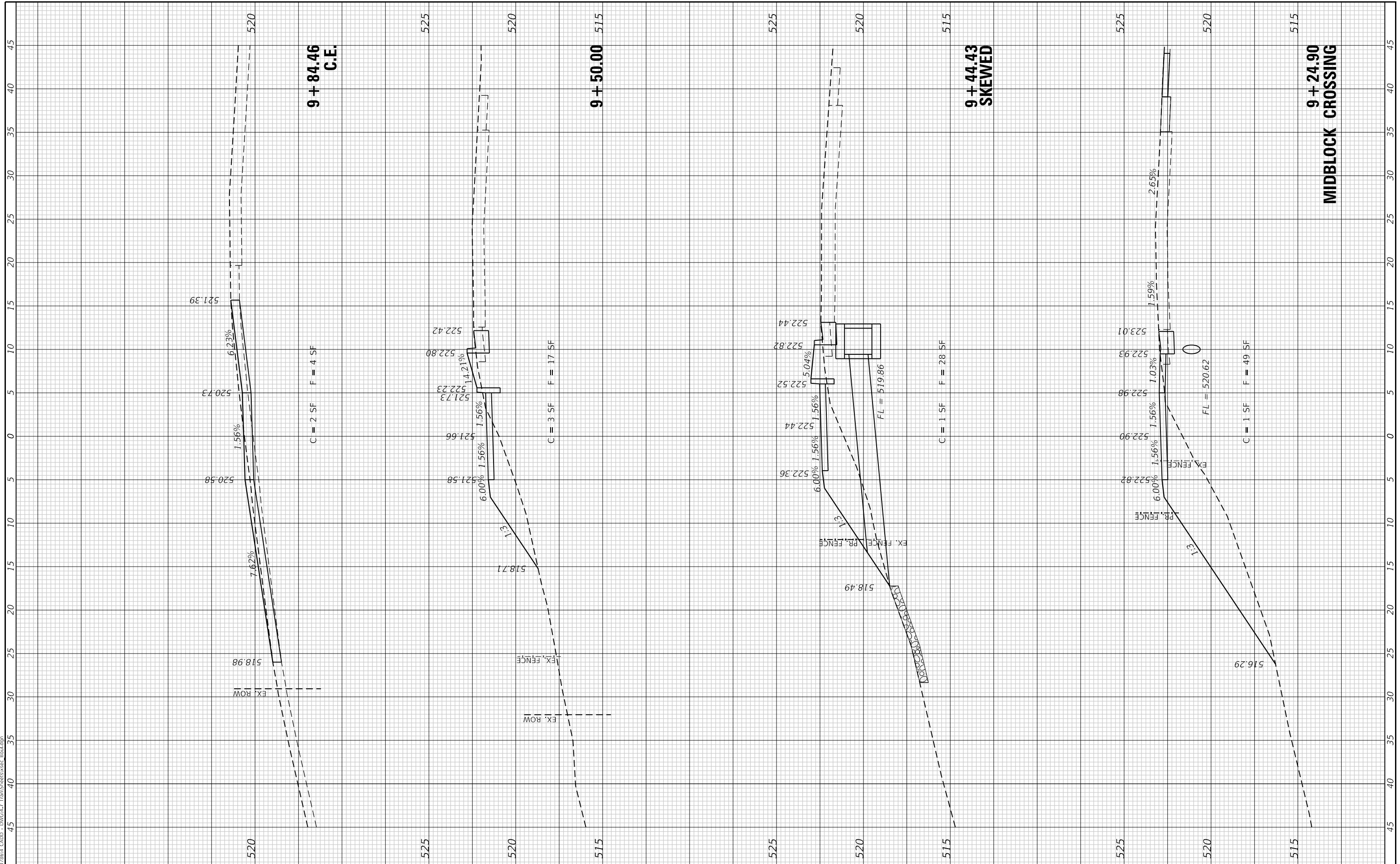
SCALE:	SHEET 6 OF 13 SHEETS	STA. 8+50.00 TO STA. 9+14.52
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	42
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

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USER NAME = esmith
PLOT SCALE = 10.0000" / 1'
PLOT DATE = 8/5/2019

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

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**BOULE AVENUE MULTI-USE PATH**

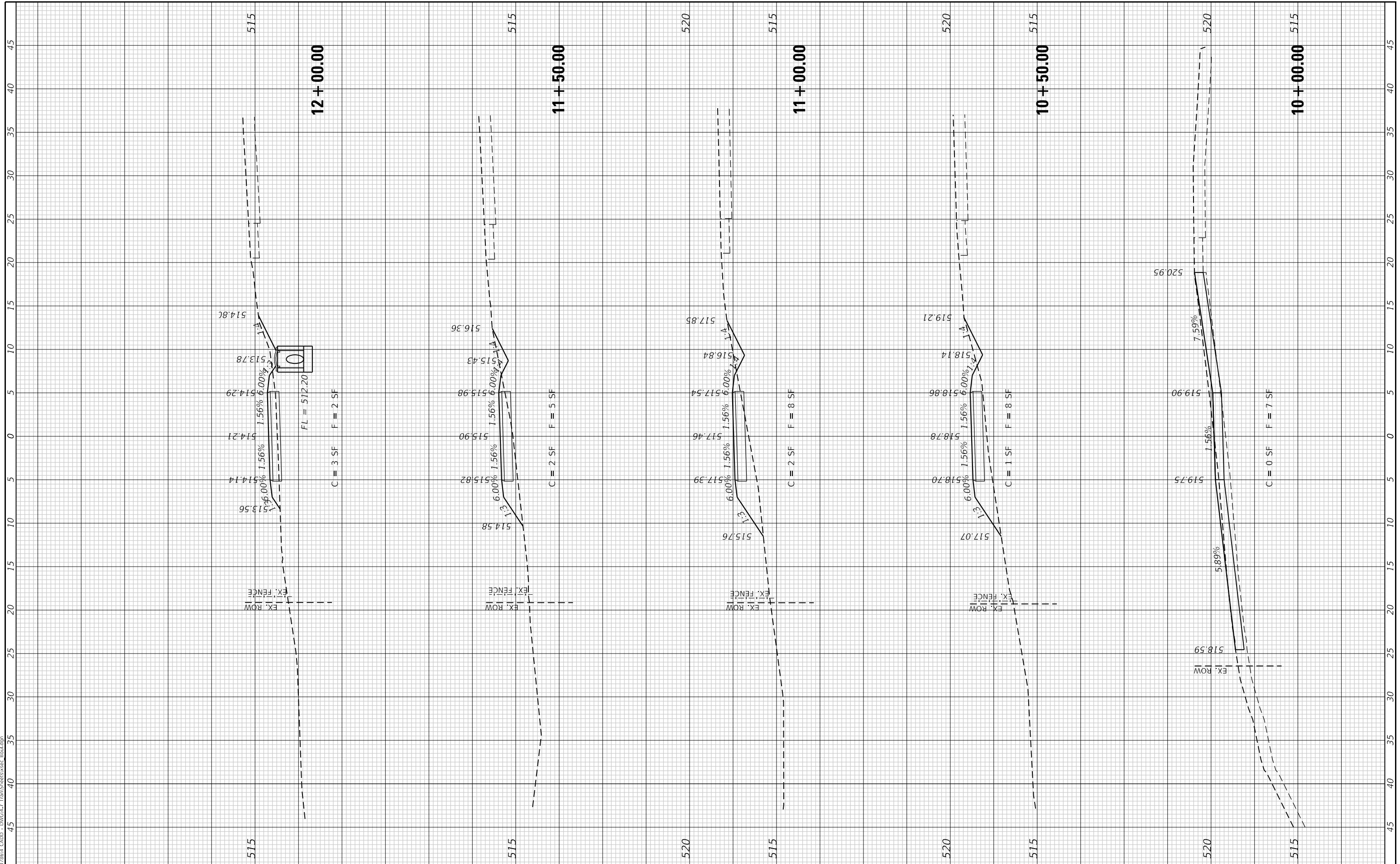
CROSS SECTIONS			
BOULE AVENUE MULTI-USE PATH			
SCALE:	SHEET 7	OF 13 SHEETS	STA. 9+24.90 TO STA. 9+84.46

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	43
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE		

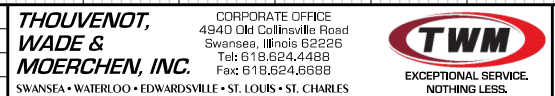
ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE		

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USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 8/5/2019	CHECKED -	REVISED -
	DATE -	REVISED -

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**BOULE AVENUE MULTI-USE PATH**

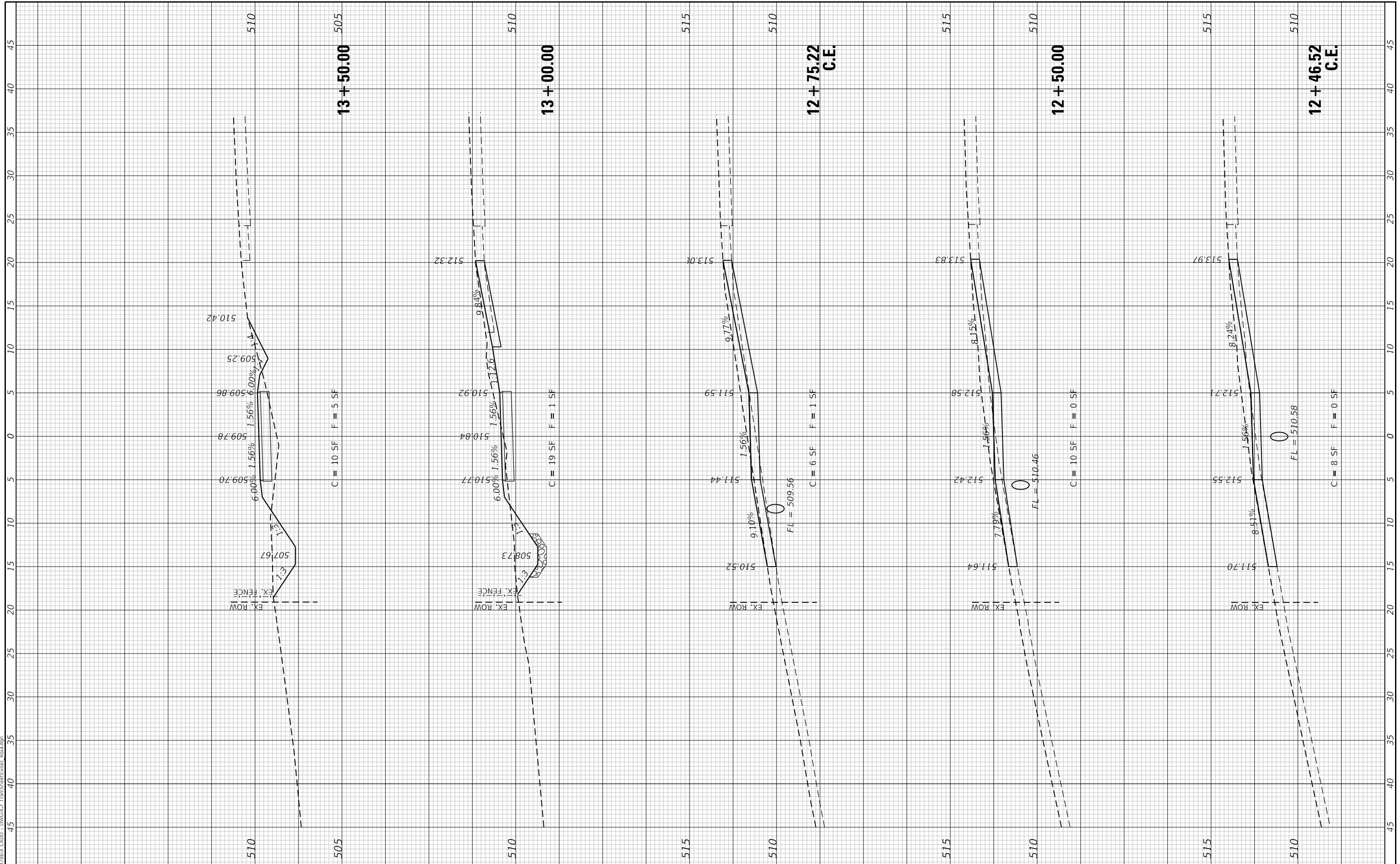
SCALE:	SHEET 8 OF 13 SHEETS	STA. 10+00.00 TO STA. 12+00.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	44
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

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USER NAME = esmith
PLOT SCALE = 10.0000' / in.
PLOT DATE = 8/5/2019

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**BOUL AVENUE MULTI-USE PATH**

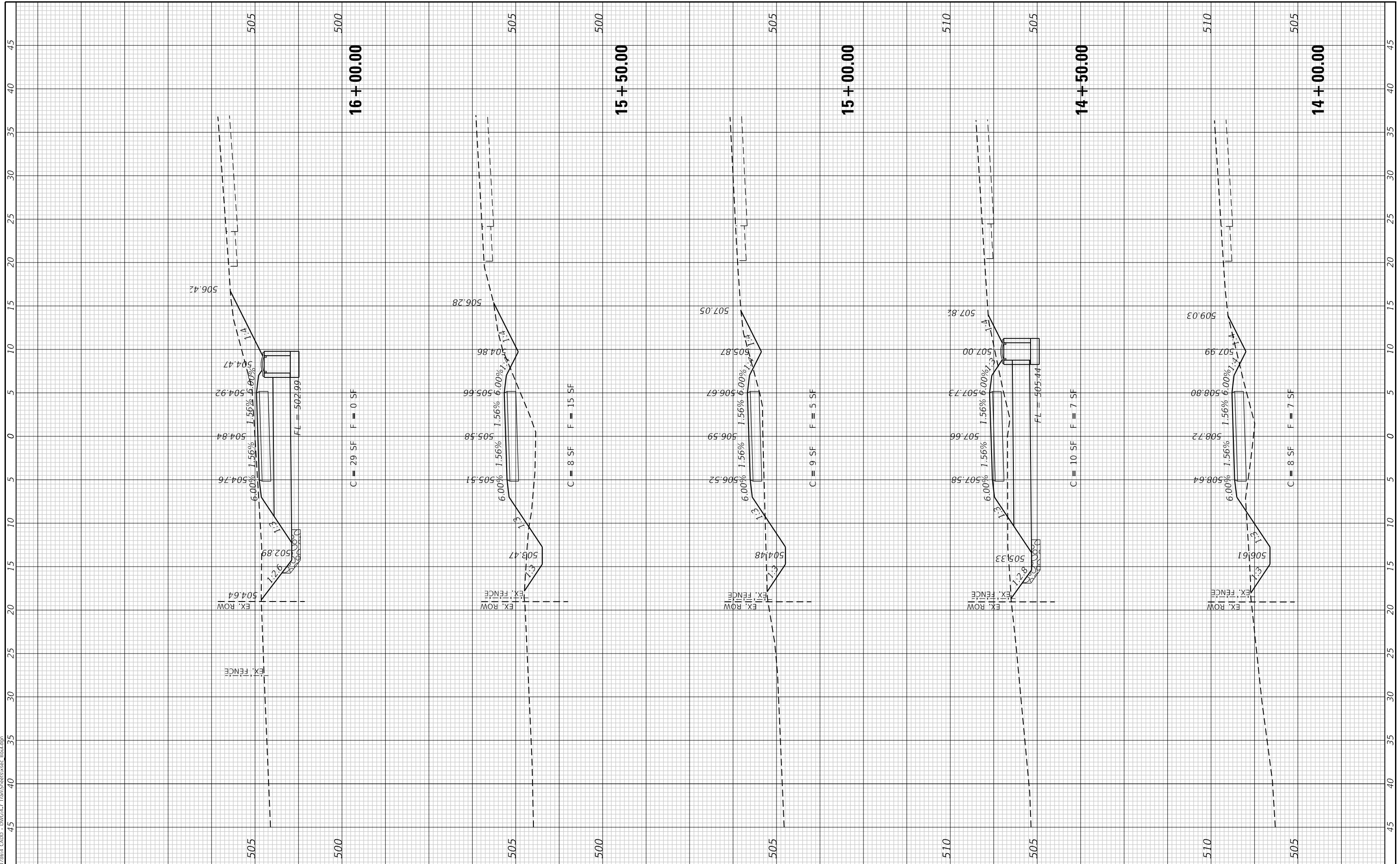
SCALE:	SHEET 9 OF 13 SHEETS	STA. 12+46.52 TO STA. 13+50.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	45
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = esmith
PLOT SCALE = 10.0000" / in.
PLOT DATE = 8/5/2019

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**BOULE AVENUE MULTI-USE PATH**

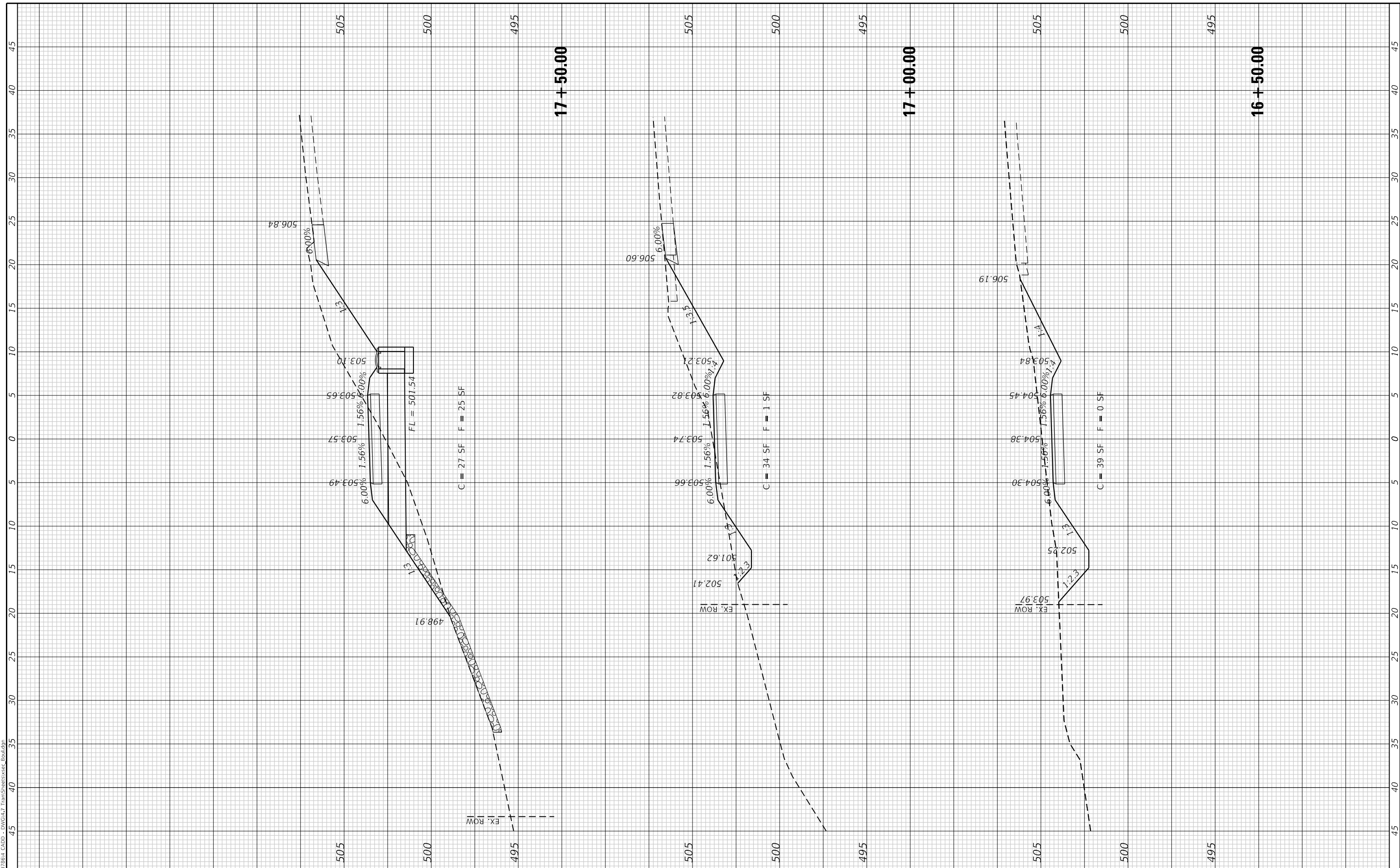
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	46
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = esmith
PLOT SCALE = 10.0000" / in.
PLOT DATE = 8/5/2019

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CHECKED -	REVISED -
DATE -	REVISED -

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**BOUL AVENUE MULTI-USE PATH**

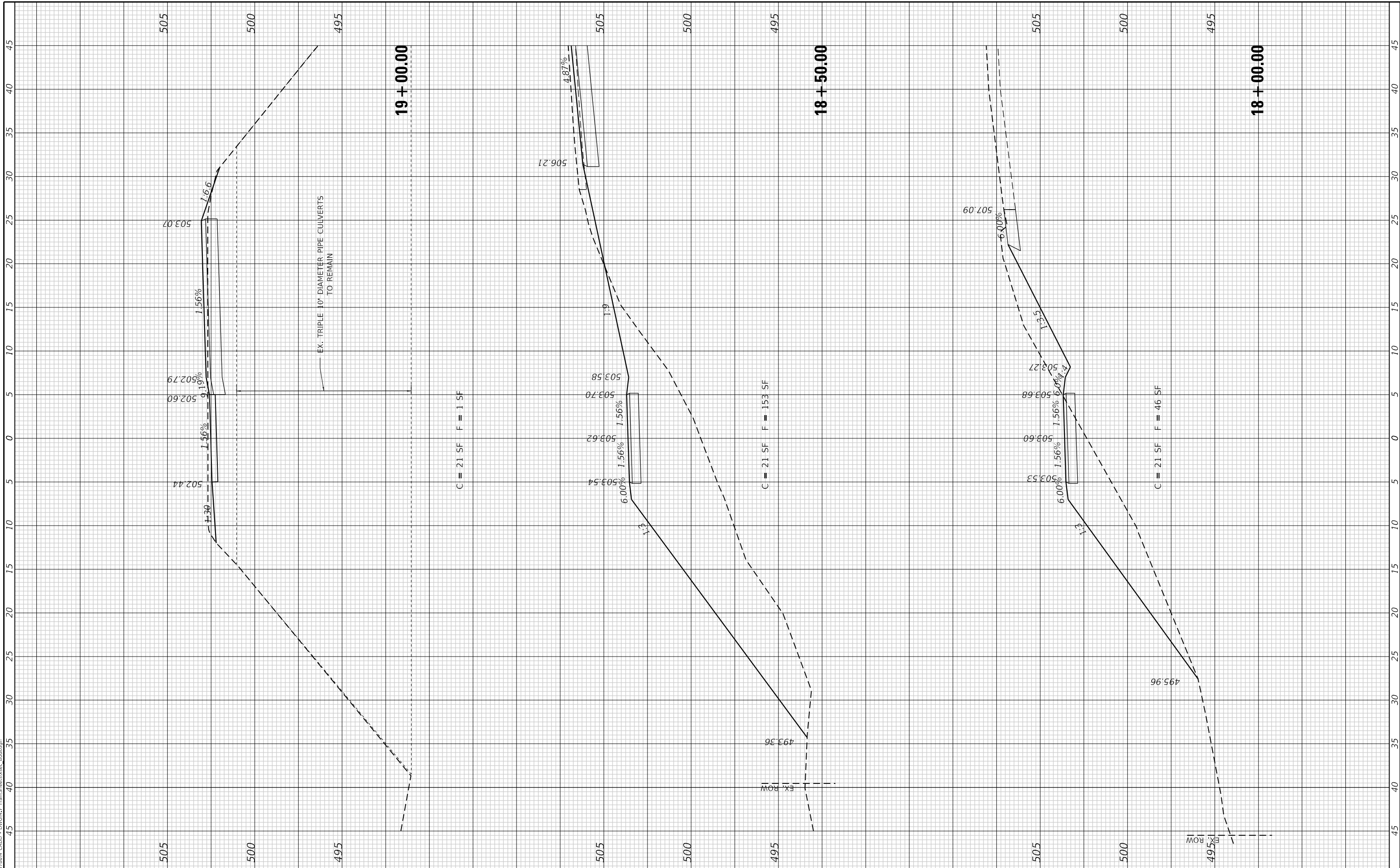
<b>CROSS SECTIONS</b>			
<b>BOUL AVENUE MULTI-USE PATH</b>			
SCALE:	SHEET 11	OF 13 SHEETS	STA. 16+50.00 TO STA. 17+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	47
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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PLOT SCALE	= 10.0000" / in.
PLOT DATE	= 8/5/2019

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DATE	-

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REVISED	-

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**BOUL AVENUE MULTI-USE PATH**

<b>CROSS SECTIONS</b>	
<b>BOUL AVENUE MULTI-USE PATH</b>	
SCALE:	SHEET 12 OF 13 SHEETS STA. 18+00.00 TO STA. 19+00.00

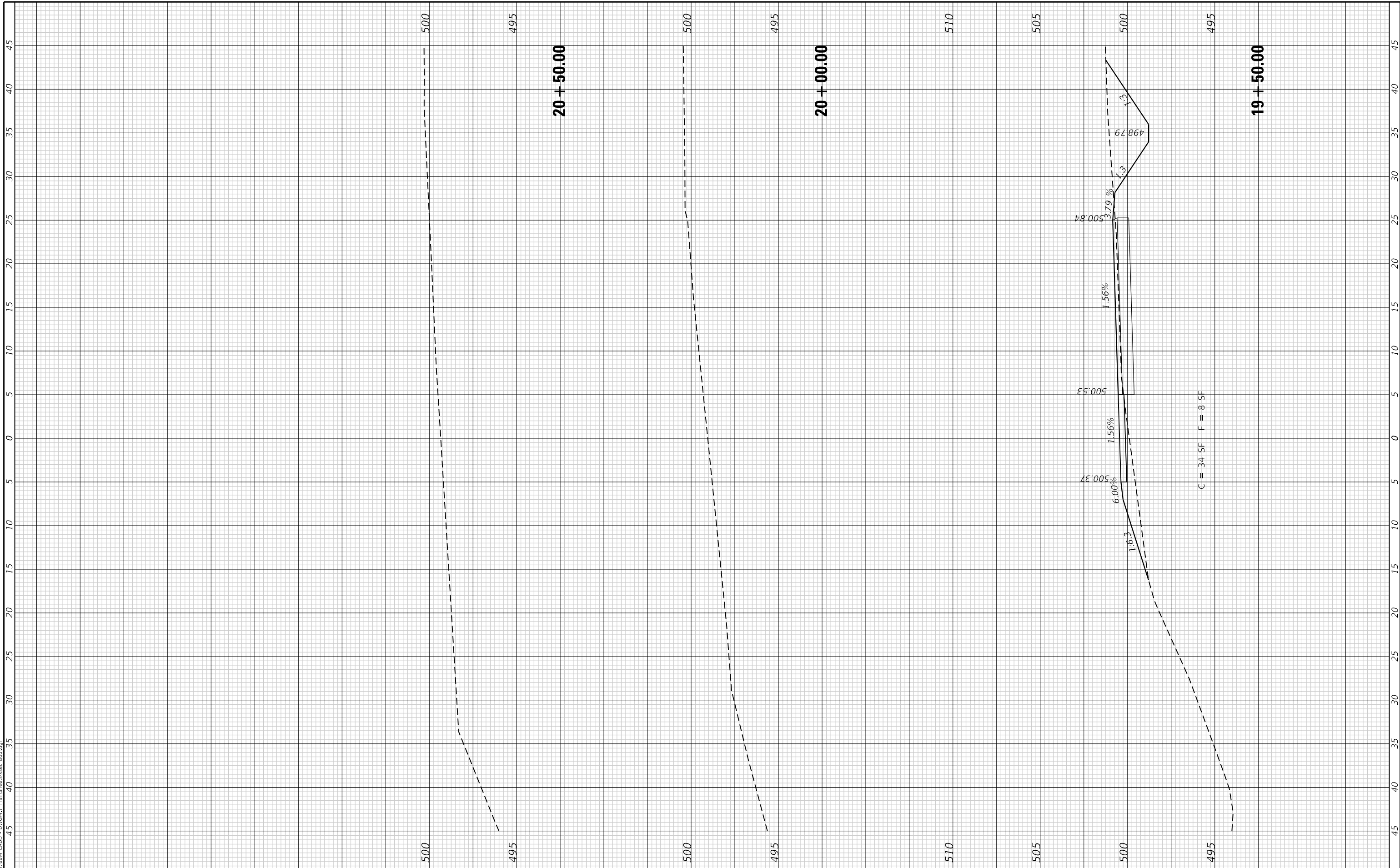
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	48
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				



FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

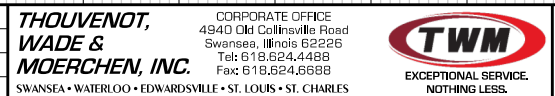
ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 10.0000" / in.	DRAWN -	REVISED -
PLOT DATE = 8/5/2019	CHECKED -	REVISED -
	DATE -	REVISED -

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**BOUL AVENUE MULTI-USE PATH**

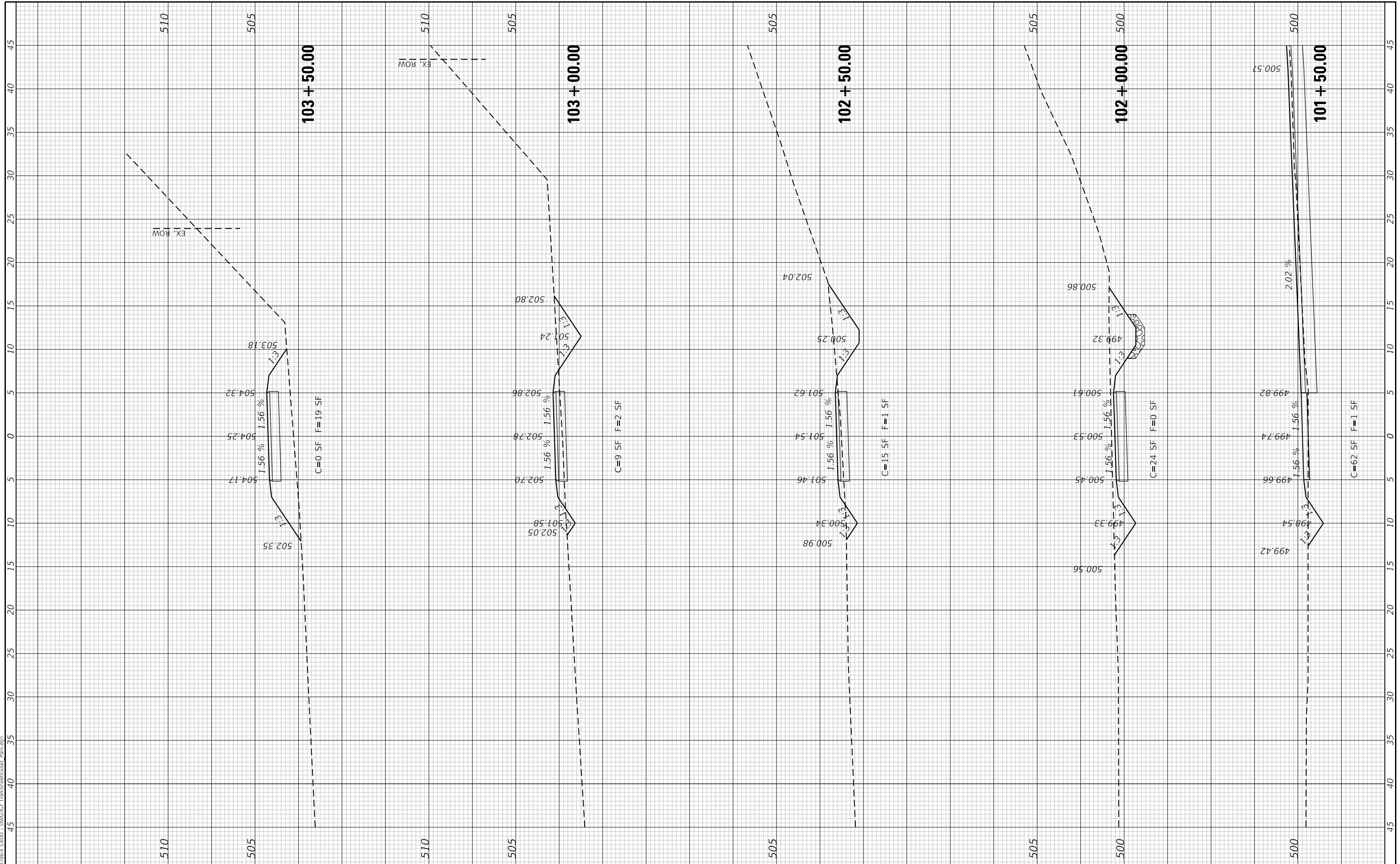
<b>CROSS SECTIONS</b>	
<b>BOUL AVENUE MULTI-USE PATH</b>	
SCALE:	SHEET 13 OF 13 SHEETS
	STA. 19+50.00 TO STA. 20+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	49
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
NOTE BOOK	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE
	TEMPLATE		
	AREAS CHECKED		

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USER NAME = esmith	DESIGNED -	REVISED -
PLOT SCALE = 10.0000" / in.	DRAWN -	REVISED -
PLOT DATE = 8/5/2019	CHECKED -	REVISED -
	DATE -	REVISED -

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SCALE:	SHEET 1 OF 3 SHEETS	STA. 101+50.00 TO STA. 103+50.00
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**BOUL AVENUE MULTI-USE PATH**

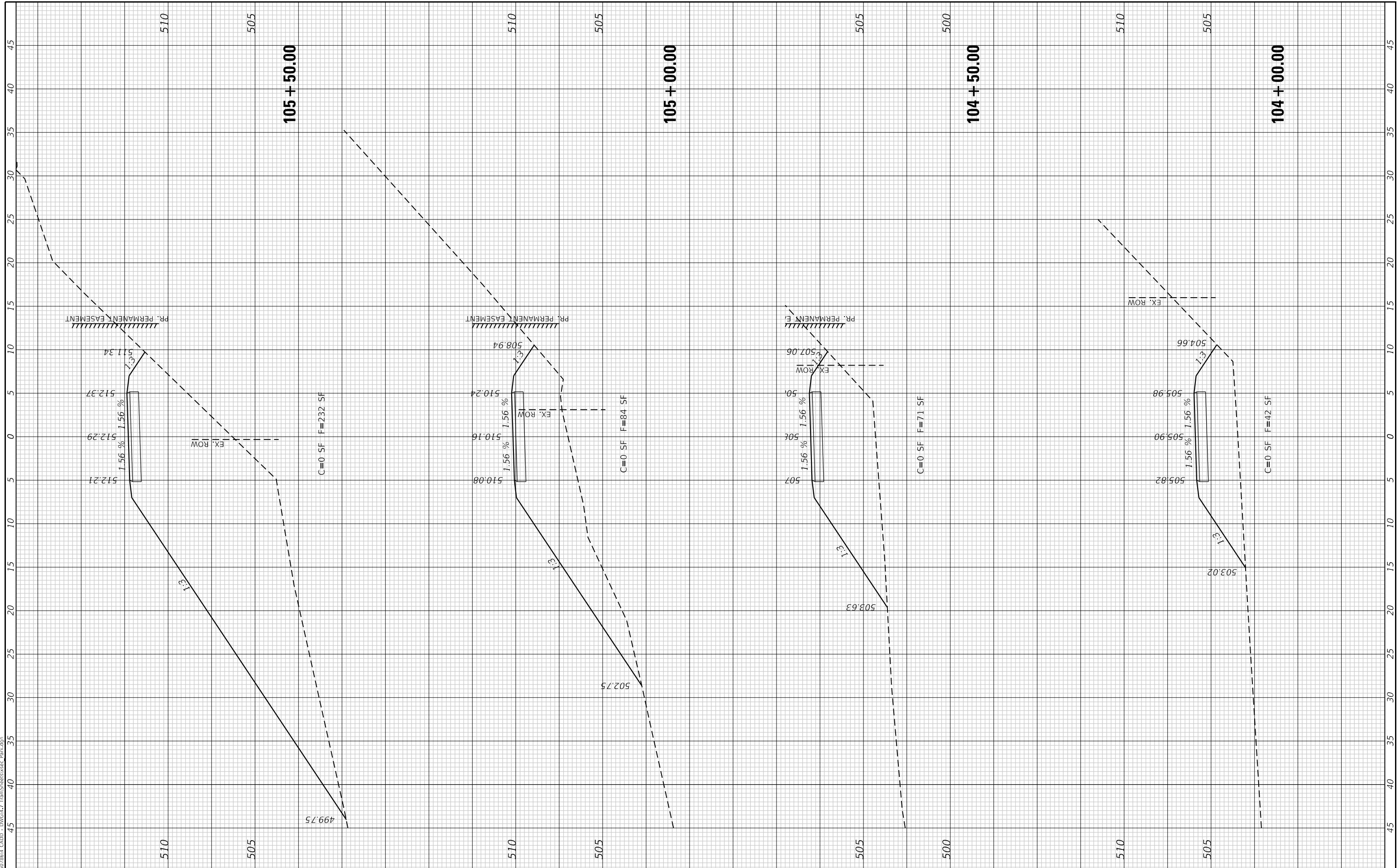
**CROSS SECTIONS TRAILHEAD PARK MULTI-USE PATH**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	50
CONTRACT NO. 97710				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

Default P:\001864 CADDD - DWG\47 TranSUse\cvs\cvs\_Park.dwg



USER NAME = esmith
PLOT SCALE = 10.0000" / 1.
PLOT DATE = 8/5/2019

DESIGNED -	REVISIONS
DRAWN -	REVISIONS
CHECKED -	REVISIONS
DATE -	REVISIONS

DESIGNED -	REVISIONS
REVISIONS	
REVISIONS	
REVISIONS	

**THOUVENOT, WADE & MOERCHEN, INC.**  
 CORPORATE OFFICE  
 4940 Old Collinsville Road  
 Swansea, Illinois 62226  
 Tel: 618.624.4488  
 Fax: 618.624.6688  
 SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES



**BOUL AVENUE MULTI-USE PATH**

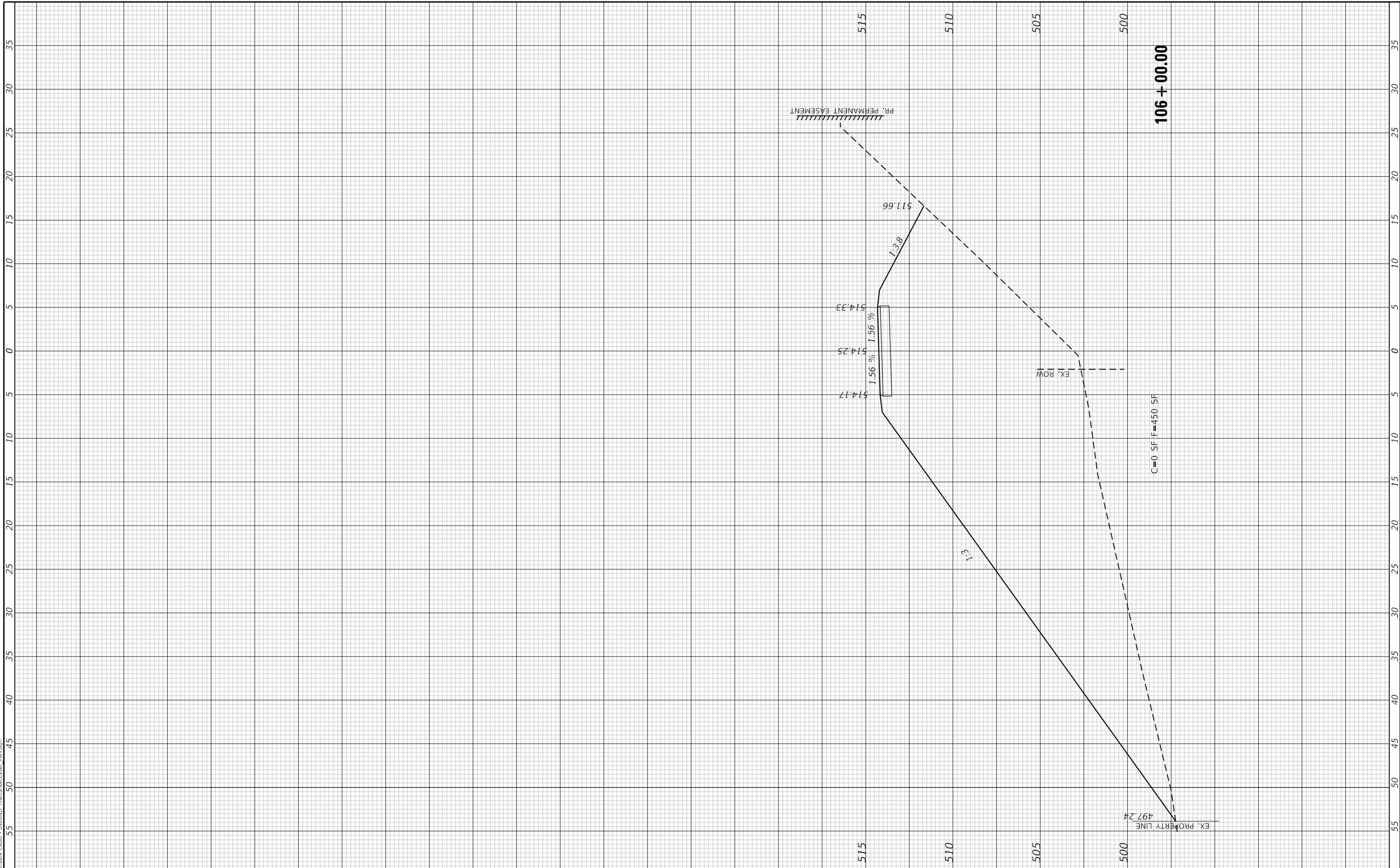
<b>CROSS SECTIONS TRAILHEAD PARK MULTI-USE PATH</b>			
SCALE:	SHEET 2 OF 3 SHEETS	STA. 104+00.00 TO STA. 105+50.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9293	17-00038-00-BT	ST. CLAIR	52	51
				CONTRACT NO. 97710
				ILLINOIS FED. AID PROJECT

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

Default P:\1801864 CAD\DWG\47 TranSUseVese\_Park.dwg



USER NAME = esmith	DESIGNED -	REVISD -
PLOT SCALE = 10.0000" / in.	DRAWN -	REVISD -
PLOT DATE = 8/5/2019	CHECKED -	REVISD -
	DATE -	REVISD -

THOUVENOT, WADE & MOERCHEN, INC.	CORPORATE OFFICE 4940 Old Collinsville Road Swansea, Illinois 62226 Tel: 618.624.4488 Fax: 618.624.6688
SWANSEA • WATERLOO • EDWARDSVILLE • ST. LOUIS • ST. CHARLES	<b>TWM</b> EXCEPTIONAL SERVICE. NOTHING LESS.

**BOUL AVENUE  
MULTI-USE  
PATH**

**CROSS SECTIONS  
TRAILHEAD PARK MULTI-USE  
PATH**

SCALE:	SHEET 3 OF 3 SHEETS	STA. 106+00.00 TO STA. 106+00.00
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F.A.U. RTE. 9293	SECTION 17-00038-00-BT	COUNTY ST. CLAIR	TOTAL SHEETS 52	SHEET NO. 52
ILLINOIS FED. AID PROJECT			CONTRACT NO. 97710	