01-16-2026 LETTING ITEM 176

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	1
	ILLINOIS	CONTRACT NO. 97880		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PROPOSED TRAIL PLANS

CREEKSIDE PARK CONNECTOR TRAIL

TAP FUNDS

SECTION 23-00057-01-BT

PROJECT NO. 33WJ(443)

CITY OF COLUMBIA, ILLINOIS

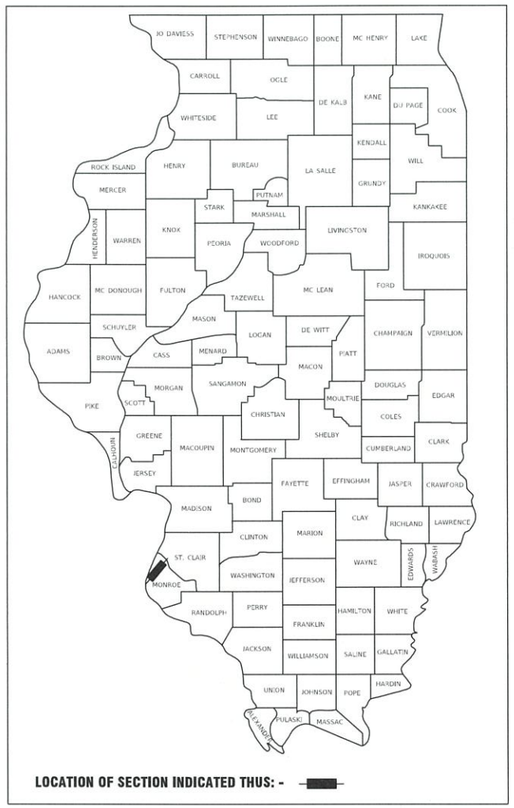
MONROE COUNTY

JOB NO. C-98-045-24

INDEX OF SHEETS

LOCATION MAP

901 RUECK ROAD
COLUMBIA, IL 62236



LOCATION OF SECTION INDICATED THUS: -

AGENCY RESPONSIBLE FOR LETTING		
Approved	9/23/25 DATE	
	Bob Hill	Mayor of Columbia
Passed	11/5/25 DATE	
		District 8 Engineer of Local Roads & Streets
Releasing for Bid Based on Limited Review	11/5/25 DATE	
		Region 5 Engineer

100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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

CONTRACT NO. 97880

PROJECT LENGTH

GROSS LENGTH CREEKSIDE TRAIL	= 2223.16 FT = 0.421 MILE
GROSS LENGTH GM&O CONNECTOR	= 164.24 FT = 0.031 MILE
GROSS LENGTH RUECK ROAD	= 587.44 FT = 0.111 MILE
TOTAL GROSS LENGTH	= 2974.84 FT = 0.563 MILE
TOTAL NET LENGTH	= 2974.84 FT = 0.563 MILE

DESIGN DESIGNATION

RUECK ROAD CLASSIFICATION = MAJOR COLLECTOR
TRAIL CLASSIFICATION = OTHER
RUECK ROAD CURRENT ADT = 2800 ADT/ DESIGN ADT = 2045
RUECK ROAD DESIGN SPEED = 35 MPH
TRAIL DESIGN SPEED = 18 MPH

SEAL: 08/29/2025
MICHAEL J. ROSBORG 062-058028 LICENSED PROFESSIONAL ENGINEER OF IL ILINOIS

MICHAEL J. ROSBORG, P.E.
LICENSE: IL-062-058028
EXPIRES: 11/30/2027

MILLENNIA PROFESSIONAL SERVICES
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Chicago Office: 2600 Warrenville Rd, Ste 203 Downers Grove, IL 60515 630.839.2566
Peoria Office: 850 North Main Street Morton, IL 61550 309.321.8141
Metro-East Office 11 Executive Dr, Suite 12 Fairview Heights, IL 62208 618.624.8610
St. Louis Office 6439 Plymouth, W-129 St. Louis, MO 63133 314.531.3981

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EROSION CONTROL NOTES

1. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER, AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS, DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE, SILT PANELS, ROLLED EXCELSIOR, URETHANE FOAM/GEOTEXTILE (SILT WEDGES), EARTH MEDIAN, AND/OR OTHER MATERIAL APPROVED BY THE EROSION AND SEDIMENT CONTROL COORDINATOR.
2. SEEDING, CLASS 2 SHALL BE UTILIZED FOR FINAL SEEDING, MULCH SHALL BE APPLIED TO LOCATIONS AS DIRECTED BY THE ENGINEER, NUTRIENTS SHALL CONFORM TO ARTICLE 250.04.
3. SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER, SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

LIST OF UTILITIES

ELECTRIC
AMEREN IP
2600 N. CENTER ST.
P.O. BOX 378, MC Q-10
MARYVILLE, IL 62062
(618) 346-1228

GAS
AMEREN IP
2600 N. CENTER ST.
P.O. BOX 378, MC Q-10
MARYVILLE, IL 62062
(618) 346-1228

CABLE / FIBER
CHARTER COMMUNICATIONS
815 CHARTER COMMONS
TOWN & COUNTRY, MO 63107
(618) 779-4179

TELEPHONE / FIBER
HARRISON TELEPHONE CO.
213 S. MAIN STREET
WATERLOO, IL 62298
(618) 939-6112

SEWER
CITY OF COLUMBIA
208 S. RAPP STREET
COLUMBIA, ILLINOIS 62236
(618) 281-7144

WATER
CITY OF COLUMBIA
208 S. RAPP STREET
COLUMBIA, ILLINOIS 62236
(618) 281-7144

FUEL TRANSMISSION
ENABLE MIDSTREAM
11839 BLUFF ROAD
COLUMBIA, IL 62236
(618) 281-7167

J.U.L.I.E. 1-800-892-0123

BENCHMARK DATUM

BASIS OF BEARINGS: STATE PLANE COORDINATES
ESTABLISHED UTILIZING THE ILLINOIS VRS
ZONE: ILLINOIS WEST 1202
HORIZONTAL DATUM: NAD1983
VERTICAL DATUM: NAVD88 (GEOID12B)

POINT #1	POINT #3
N 651557.61	N 651392.39
E 285726.64	E 285554.85
ELEV. 444.64	ELEV. 443.45

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT	
LOCATION AND MIXTURE USE(S)	BIKEWAY SURFACE
PG:	64-22
DESIGN AIR VOIDS:	4.0% @ Ndes=50
MIXTURE COMPOSITION:	IL-9.5
FRICTION AGGERGATE	MIXTURE "C"
MIXTURE WEIGHT	112 lb/sy/in

GENERAL NOTES

1. RUECK ROAD SHALL REMAIN OPEN AT ALL TIMES.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD AND COORDINATE WITH ENGINEER PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
3. SPALLING OF SURFACES TO REMAIN IN PLACE WILL NOT BE PERMITTED, CONTRACTOR IS TO EXERCISE CARE TO ENSURE NO SPALLING AND THAT A CLEAN, STRAIGHT, UNSPALLED EDGE IS LEFT.
4. THE INFORMATION AND DATA SHOWN OR INDICATED ON THESE IMPROVEMENT PLANS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AND UTILITIES AT OR CONTIGUOUS TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES OR BY OTHERS.

   NO GUARANTEE IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR:

   i) REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA,

   ii) LOCATING ALL UNDERGROUND FACILITIES AND UTILITIES SHOWN OR INDICATED ON THE IMPROVEMENT PLANS;

   iii) COORDINATING THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES DURING CONSTRUCTION, AND

   iv) PROVIDING THE SAFETY AND PROTECTION OF ALL SUCH UNDERGROUND FACILITIES AND UTILITIES AND REPAIR ANY DAMAGE THERETO RESULTING FROM THE WORK AT HIS EXPENSE.
5. THE THICKNESS OF BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
6. ALL CULVERT EXTENSIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH METHOD II AS SPECIFIED IN ARTICLE 542.05 OF THE STANDARD SPECIFICATIONS. PRIOR TO EXTENDING ANY CULVERT, THE ENTIRE LENGTH OF THE EXISTING CULVERT SHALL BE CLEANED OF ALL EARTH AND DEBRIS BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE EXTENSION.
7. FORMS FOR COMBINATION CURB AND GUTTER AND CONCRETE GUTTER TYPE B SHALL BE METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.
8. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
9. ALL OPENINGS IN THE PRECAST STRUCTURES SHALL BE PRECAST TO THE PROPER SIZE. THIS INCLUDES OPENINGS FOR PIPE STRUCTURES AND MANHOLE OPENINGS. COSTS FOR THESE OPENINGS AND THE CONNECTIONS SHALL BE CONSIDERED INCLUDED IN THE VARIOUS PAY ITEM FOR THE STRUCTURE INVOLVED.
10. ALL DRAINAGE STRUCTURES SHALL BE DELIVERED TO THE PROJECT SITE WITHOUT SILT, DEBRIS OR OTHER SUCH OBSTRUCTIONS AT THE TIME OF FINAL INSPECTION. THE CLEANING OF THESE DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS INVOLVED.
11. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE PROVISIONS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER PERMIT AND IMPLEMENT THE EROSION CONTROL PLAN INCLUDED IN THESE PLANS AND SPECIFIED HEREIN. AS SPECIFIED IN ARTICLE 107.23, THE ENGINEER MUST GIVE PRIOR APPROVAL BEFORE DISTURBANCE OF ANY AREA CAN BEGIN.
12. ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGEMENT OPERATION IN ORDER THAT THESE OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER.
13. VERTICAL DATUM: (GEOID03 NAVD88), PER GPS OBSERVATIONS.

COMMITMENTS

1. NO TREE REMOVAL BETWEEN APRIL 1ST AND SEPTEMBER 30TH OF ANY GIVEN YEAR.
2. THE CITY OF COLUMBIA WILL PLANT 60 CONTAINER TREES THROUGHOUT CREEKSIDE PARK, ALONG TRAILS AND LANDSCAPE BERMS.

EMERGENCY CONTACTS DURING ROAD CLOSURE

1. COLUMBIA EMS: KIM LAMPRECHT - (618) 281-4163
2. COLUMBIA FIRE DEPARTMENT: MIKE ROEDIGER - (618) 281-6688 x432
3. COLUMBIA POLICE DEPARTMENT: JERRY PAUL - (618) 281-6616 x445

HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMALS OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
602301-04	INLET TYPE A
602306-03	INLET TYPE B
602401-07	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
604036-03	GRATE TYPE 8
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-11	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
BLR 21-9	TYPICAL APP. OF TRAFFIC CONTROL DEVICES FOR CONST. ON RURAL LOCAL HIGHWAYS

MODEL: Default
FILE NAME: P:\2019\ME19021 Columbia - Creekside Park

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PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED - _____

CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
GENERAL NOTES, HIGHWAY STANDARDS, COMMITMENTS

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	2
		CONTRACT NO. 97880		
	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TAP FUNDS 80% STATE 20% CITY BIKEWAY 0021 URBAN
*	20100500	TREE REMOVAL, ACRES	ACRE	0.25	0.25
*	20101100	TREE TRUNK PROTECTION	EACH	3	3
	20200100	EARTH EXCAVATION	CU YD	1,870	1,870
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	10	10
	20800150	TRENCH BACKFILL	CU YD	49	49
*	25000200	SEEDING, CLASS 2	ACRE	1.5	1.5
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	135	135
*	25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	135	135
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	135	135
*	25100115	MULCH, METHOD 2	ACRE	1.5	1.5
*	25100630	EROSION CONTROL BLANKET	SQ YD	1,304	1,304
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	150	150
	28000305	TEMPORARY DITCH CHECKS	FOOT	64	64
	28000400	PERIMETER EROSION BARRIER	FOOT	3,500	3,500

* SPECIALTY ITEM

MODEL: Default
FILE NAME: P:\2019\NE1902\1 Columbia - Creekside Park

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PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -

CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
SUMMARY OF QUANTITIES

SCALE: | SHEET 1 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	3
		CONTRACT NO. 97880		
	ILLINOIS FED. AID PROJECT			

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: TAP FUNDS 80% STATE / 20% CITY BIKEWAY 0021 URBAN
	28000500	INLET AND PIPE PROTECTION	EACH	5	5
	28100107	STONE RIPRAP, CLASS A4	SQ YD	625	625
	28200200	FILTER FABRIC	SQ YD	625	625
	35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	422	422
	35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	2,412	2,412
*	35200420	PROCESSING SOIL-CEMENT BASE COURSE 12"	SQ YD	2,412	2,412
*	35200500	CEMENT	100 WT	421	421
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	100	100
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	5,428	5,428
	40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	270	270
	42000100	PORTLAND CEMENT CONCRETE PAVEMENT 6"	SQ YD	163	163
	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	2,329	2,329
	42400800	DETECTABLE WARNINGS	SQ FT	68	68
	44000100	PAVEMENT REMOVAL	SQ YD	105	105

* SPECIALTY ITEM

MODEL: Default
FILE NAME: P:\2019\ME19021 Columbia - Creekside Park

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PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED - _____

CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
SUMMARY OF QUANTITIES

SCALE: | SHEET 2 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	4
		CONTRACT NO. 97880		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TAP FUNDS 80% STATE 20% CITY BIKEWAY 0021 URBAN
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5	5
44000600	SIDEWALK REMOVAL	SQ FT	150	150
50200100	STRUCTURE EXCAVATION	CU YD	10	10
50300225	CONCRETE STRUCTURES	CU YD	21.2	21.2
50800105	REINFORCEMENT BARS	POUND	2,200	2,200
51201600	FURNISHING STEEL PILES HP12x53	FOOT	124	124
51202305	DRIVING PILES	FOOT	124	124
51204650	PILE SHOES	EACH	4	4
54001001	BOX CULVERT END SECTION, CULVERT NO. 1	EACH	1	1
54010807	PRECAST CONCRETE BOX CULVERTS 8' X 7'	FOOT	24	24
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	196	196
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	23	23

* SPECIALTY ITEM

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE TAP FUNDS 80% STATE 20% CITY BIKEWAY 0021 URBAN
	55100900	STORM SEWER REMOVAL 18"	FOOT	18	18
	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1
	60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1
	60605200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	56	56
	63200310	GUARDRAIL REMOVAL	FOOT	90	90
	67100100	MOBILIZATION	L SUM	1	1
*	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	210	210
*	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	118	118
	X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	1,223	1,223
	X0327423	CONNECTION TO EXISTING CULVERT	EACH	1	1
	X0350805	FOLD DOWN BOLLARDS	EACH	1	1
*	X1400326	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	2	2
	X2810844	REMOVE EXISTING RIPRAP	SQ YD	278	278

* SPECIALTY ITEM

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CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
SUMMARY OF QUANTITIES

SCALE: | SHEET 4 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	6
		CONTRACT NO. 97880		
	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: TAP FUNDS 80% STATE / 20% CITY / BIKEWAY / 0021 / URBAN
	X3110102	COARSE AGGREGATE BACKFILL (SPECIAL)	CU YD	34	34
	X5010520	REMOVE CONCRETE BOX CULVERT END SECTION	EACH	1	1
	X5090810	PEDESTRIAN RAIL (SPECIAL)	FOOT	142	142
	X5510012	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	1	1
	X6640634	WOOD RAIL (SPECIAL)	FOOT	48	48
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
#	**Z0076600**	**TRAINEES**	**HOUR**	**500**	
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
#	**Z0076604**	**TRAINEES TRAINING PROGRAM GRADUATE**	**HOUR**	**500**	

* SPECIALTY ITEM **# 0042**

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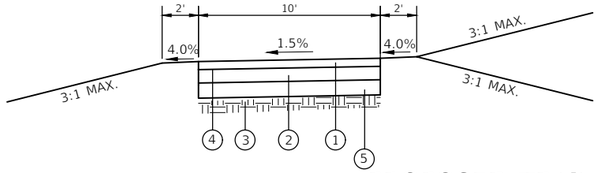
PLOT DATE = 11/04/2025	DATE - 11/04/2025	REVISED - _____

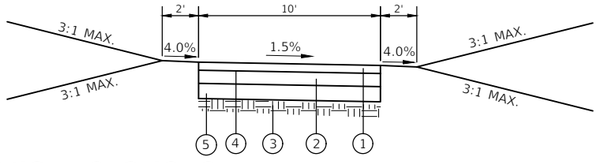
CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
SUMMARY OF QUANTITIES

SCALE: | SHEET 5 OF 5 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	7
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	





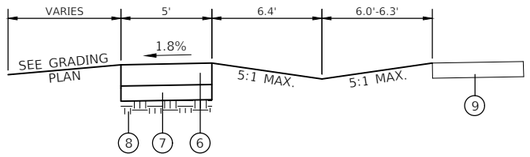
PROPOSED TRAIL TYPICAL SECTIONS

STA. 10+00 TO STA. 16+00
STA. 24+50 TO STA. 30+50

STA. 16+00 TO STA. 24+50
STA. 30+50 TO STA. 31+50

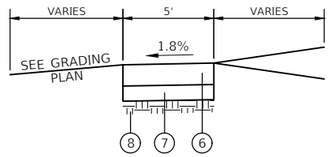
LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", 2"
2. AGGREGATE BASE COURSE, TYPE A, 6"
3. COMPACTED SUBGRADE
4. BITUMINOUS MATERIALS (PRIME COAT)
5. PROCESSING SOIL-CEMENT BASE COURSE, 12"



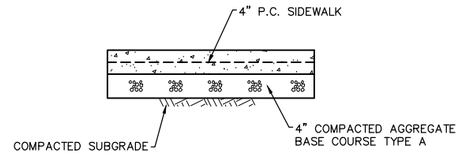
PROPOSED SIDEWALK TYPICAL SECTIONS

RUECK ROAD STA. 101+26.88 TO STA. 103+33.18

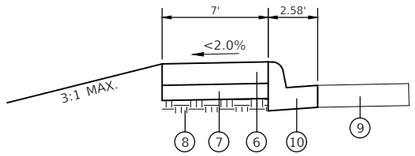


PROPOSED SIDEWALK TYPICAL SECTIONS

RUECK ROAD STA. 100+22.04 TO STA. 101+26.88
RUECK ROAD STA. 103+33.18 TO STA. 103+44.24

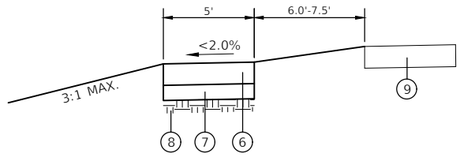


PROPOSED SIDEWALK DETAIL



PROPOSED SIDEWALK TYPICAL SECTIONS

RUECK ROAD STA. 103+44.24 TO STA. 104+10.35



PROPOSED SIDEWALK TYPICAL SECTIONS

RUECK ROAD STA. 104+10.35 TO STA. 104+46.49

LEGEND

6. PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
7. AGGREGATE BASE COURSE, TYPE A, 4"
8. COMPACTED SUBGRADE
9. EXISTING PAVEMENT
10. COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.24

MODEL: Default
FILE NAME: P:\2019\ME19021 Columbia - Creekside Park

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PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -	

CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
TYPICAL SECTIONS

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	8
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	

REMOVAL SCHEDULE

STATION	TO	STATION	OFFSET	TREE REMOVAL	PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	STORM SEWER REMOVAL 18"	GUARDRAIL REMOVAL	REMOVE EXISTING RIPRAP	REMOVE CONCRETE BOX CULVERT END SECTION
				ACRE	SQ YD	FOOT	SQ FT	FOOT	FOOT	SQ YD	EACH
CREEKSIDE TRAIL											
10+00.00	TO	14+50.00	RT								
20+50.00	TO	26+50.00	LT								
26+50.00	TO	31+86.47	RT								
GM&O CONNECTOR											
0+40.12	TO	2+04.37	LT/RT	0.25							
RUECK RD											
99+68.67	TO	100+00.00	LT				75				
100+00.00	TO	102+75.00	LT				75				
102+75.00	TO	104+48.19	RT			5					
102+75.00	TO	104+48.19	LT					18	90	278	1
103+44.25	TO	104+10.18	LT		105						
TOTAL=				0.25	105	5	150	18	90	278	1

PAVEMENT MARKING SCHEDULE

STATION	TO	STATION	OFFSET	PAINT PAVEMENT MARKING - LINE 6"	PAINT PAVEMENT MARKING - LINE 24"	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	PEDESTRIAN RAIL (SPECIAL)
				FOOT	FOOT	EACH	FOOT
CREEKSIDE TRAIL							
10+00.00	TO	14+50.00	RT/LT				
14+50.00	TO	20+50.00	RT/LT				
20+50.00	TO	26+50.00	RT/LT				
26+50.00	TO	31+71.06	RT/LT				142
RUECK RD							
99+68.67	TO	102+75.00	LT	84	42		
102+75.00	TO	104+48.19	RT	34	24	1	
102+75.01	TO	104+48.19	LT	92	52	1	
TOTAL=				210	118	2	142

PAVING SCHEDULE

STATION	TO	STATION	OFFSET	AGGREGATE BASE COURSE, TYPE A 4"	AGGREGATE BASE COURSE, TYPE A 6"	BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	PORTLAND CEMENT CONCRETE PAVEMENT 6"	PORTLAND CEMENT CONCRETE SIDEWALK 4"	DETECTABLE WARNINGS	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
				SQ YD	SQ YD	LB	TON	SQ YD	SQ FT	SQ FT	FOOT
CREEKSIDE TRAIL											
10+00.00	TO	14+50.00	RT/LT		500	1125	56				
14+50.00	TO	20+50.00	RT/LT		667	1500	75				
20+50.00	TO	26+50.00	RT/LT		667	1500	75				
26+50.00	TO	31+71.06	RT/LT		579	1303	65				
GM&O CONNECTOR											
0+40.12	TO	2+04.37	LT	35				35			
RUECK ROAD											
99+68.67	TO	100+00.00	LT/RT	12					109	10	
100+00.00	TO	102+75.00	LT	149					1344	10	
102+75.00	TO	104+48.19	RT	6					51	10	5
102+75.01	TO	104+48.19	LT	92					825	38	51
103+44.25	TO	104+10.18	LT	128				128			
TOTAL=				422	2412	5428	270	163	2329	68	56

EROSION CONTROL SCHEDULE

STATION	TO	STATION	OFFSET	EROSION CONTROL BLANKET	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	STONE RIPRAP, CLASS A4	FILTER FABRIC
				SQ YD	FOOT	FOOT	EACH	SQ YD	SQ YD
CREEKSIDE TRAIL									
10+00.00	TO	14+50.00	RT	590		454		490	490
10+00.00	TO	14+50.00	LT	418		466			
14+50.00	TO	20+50.00	RT			603			
14+50.00	TO	20+50.00	LT			528			
20+50.00	TO	26+50.00	RT			590			
20+50.00	TO	26+50.00	LT		16	255	1		
26+50.00	TO	31+86.47	RT			316		135	135
26+50.00	TO	31+86.47	LT	296	24	49	3		
RUECK RD									
100+00.00	TO	102+75.00	LT		24	201			
102+75.00	TO	104+48.19	RT						
102+75.00	TO	104+48.19	LT			38	1		
TOTAL=				1304	64	3500	5	625	625

STORM SEWER SCHEDULE

STATION	TO	STATION	OFFSET	POROUS GRANULAR EMBANKMENT	TRENCH BACKFILL	BOX CULVERT END SECTIONS, CULVERT NO. 1	PRECAST CONCRETE BOX CULVERTS 8' X 7'	PRECAST REINFORCED CONCRETE FLARED END SECTION 12"	PRECAST REINFORCED CONCRETE FLARED END SECTION 18"	STORM SEWERS, CLASS A, TYPE 2 12"	STORM SEWERS, CLASS A, TYPE 2 18"	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	INLETS, TYPE A, TYPE 8 GRATE	INLETS, TYPE B, TYPE 8 GRATE
				CU YD	CU YD	EACH	FOOT	EACH	EACH	FOOT	FOOT	EACH	EACH	EACH
CREEKSIDE TRAIL														
FES 10.00									1					
FES 10.03								1						
MH 10.01												1		
GI 10.02													1	
GI 11.01														1
FES 10.03	TO	GI 10.02								108				
GI 10.02	TO	MH 10.01			43					80				
MH 10.01	TO	FES 10.00									23			
RUECK RD														
GI 11.01	TO	BOX	LT							8				
103+26.71	TO	103+40.52	LT		6		24							
103+40.52	TO	103+45.52	LT	10		1								
TOTAL=				10	49	1	24	1	1	196	23	1	1	1

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CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
SCHEDULE OF QUANTITIES

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	9
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	

PALMER CREEK DRIVE
GEDERN ESTATES–PHASE I
WILSON HILLS 3RD ADDITION
WILSON HILLS 2ND ADDI
CREEKSIDE SUBDIVISION
S89°39'54"E, 776.06'
E 437.87
SAN MH 100
TOP 435.97
INV 429.01 E
INV 429.01 (EX)
SAN MH
TOP 436.76
INV 428.62 (R)
SAN MH 101
TOP 440.72
INV 431.66 SE
INV 431.66 W
SAN MH 102
TOP 441.04
INV 431.90 NW
TOP 442.91
INV 432.31 (R)
43 SAN MH
TOP 442.53
INV 432.02 (R)
TOP 442.38
THROAT 441.41
INV. 433.98 (S)
INV. 434.13 (N)
EX SAN MH (TYPE 1
TOP 445.86
INV IN (NE) 435.88
INV IN (SE) 435.95
INV OUT 435.71
INV (IRON) 442.08
INV (RCP) 442.85
EX CONC SIDEWALK
EX CONC PATIO
EX WOOD FENCE
EX ELECTRIC RISER
EX PLANTER
EX TELEPHONE RISER
EX WOOD LANDSCAPE BORDER
EX BURIED PROPANE TANK
EX CONC SLAB
EX ELECTRIC JUNCTION BOX
0.25 ACRES TREE REMOVAL
(SEE GRADING PLAN)
R=14226.10
=248.43'
N51°05'04"W, 681.50'
ILLINOIS CENTRAL GULF RAILROAD
(NOW ABANDONED)
GM&O TRAIL
CREEKSIDE TRAIL
ALIGNMENT
SAN MH A
TOP 438.22
INV 430.20 (R)
SAN MH B
TOP 441.94
INV 433.15 SE
SAN MH C
TOP 439.53
INV 433.16 (S)
20' WIDE EASEMENT TO THE CITY OF COLUMBIA
BK.138 PG. 313
SEE SHEET 11
EX ASPHALT WALKING PATH
EX TELEPHONE WARNING SIGN
EX RIPRAP
E 456.40
E 456.71
2-EX 4" PVC PIPES
EX BUILDING
E 452.84
E 452.86
W 452.72
EXISTING 16.5' EASEMENT TO HTC
TERRY (50'W) DRIVE
ILLINOIS CENTRAL GULF RAILROAD
(NOW ABANDONED)
50' 0 50' 100'
GRAPHIC SCALE

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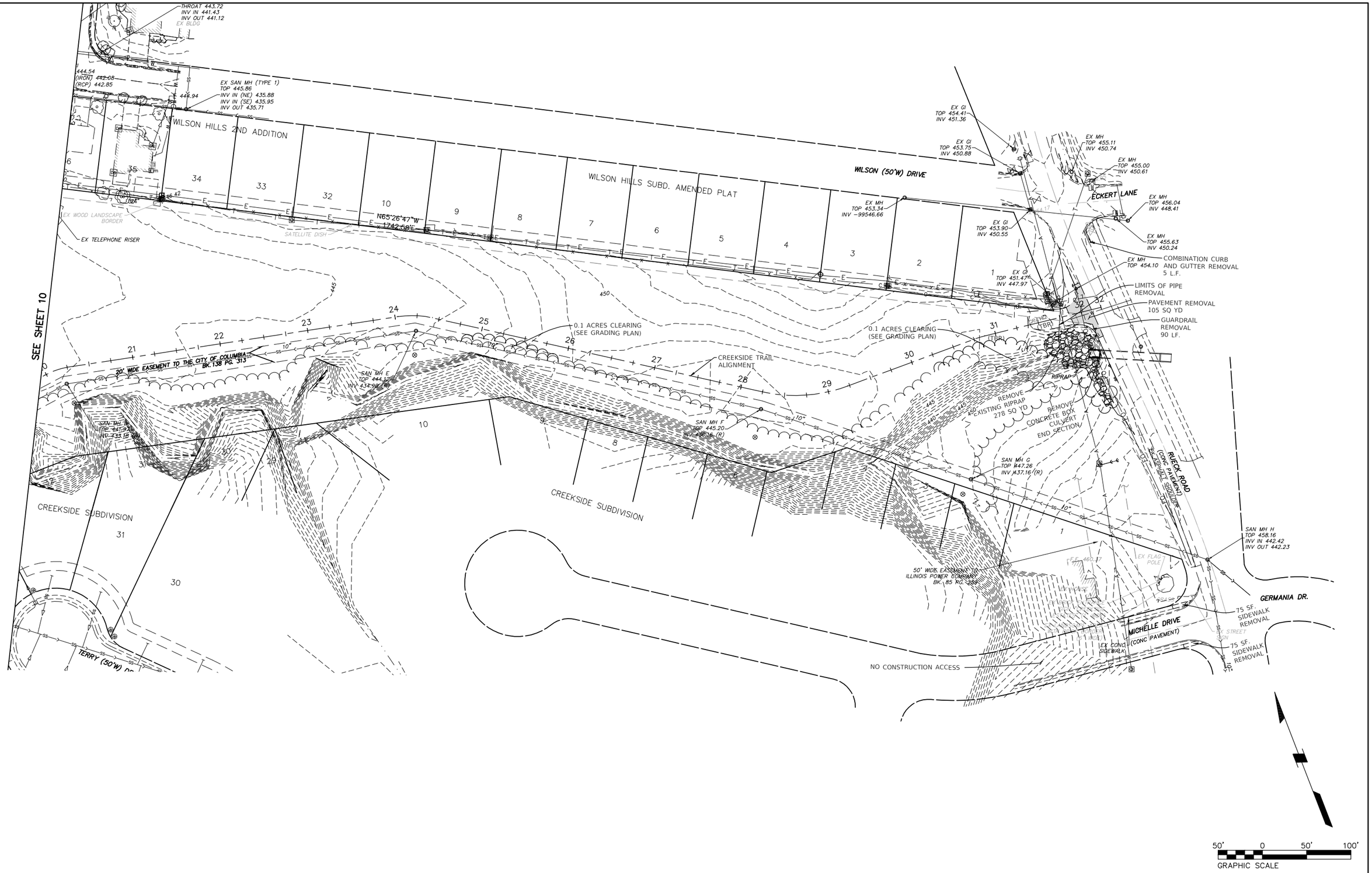
CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	10
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	



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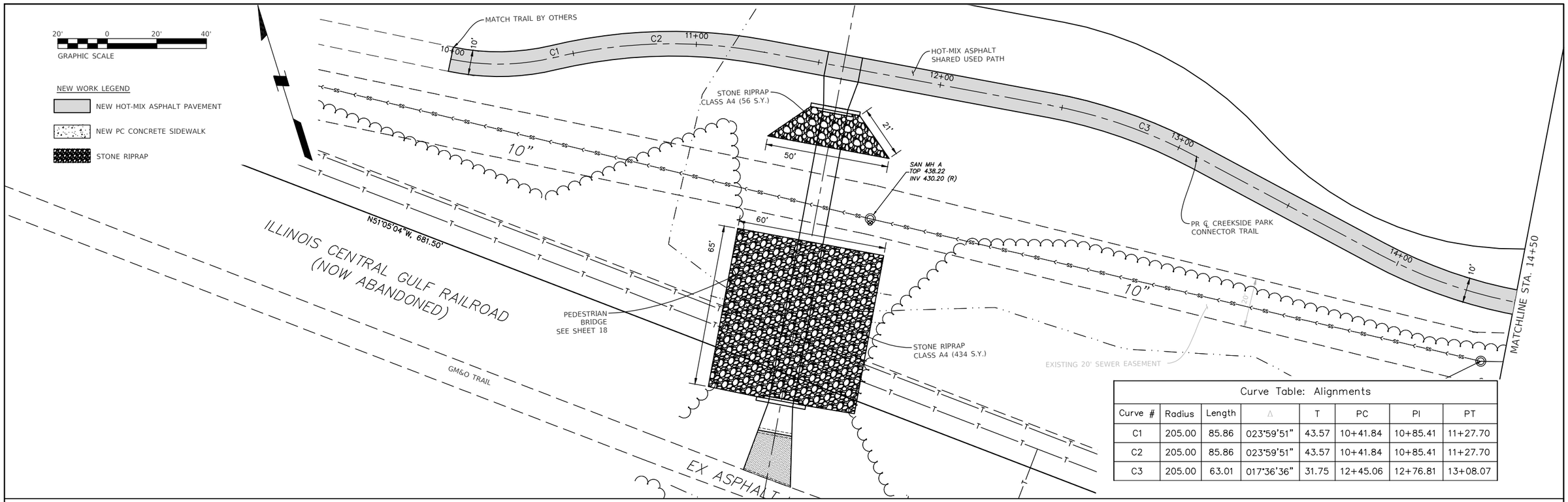
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -

CITY OF COLUMBIA

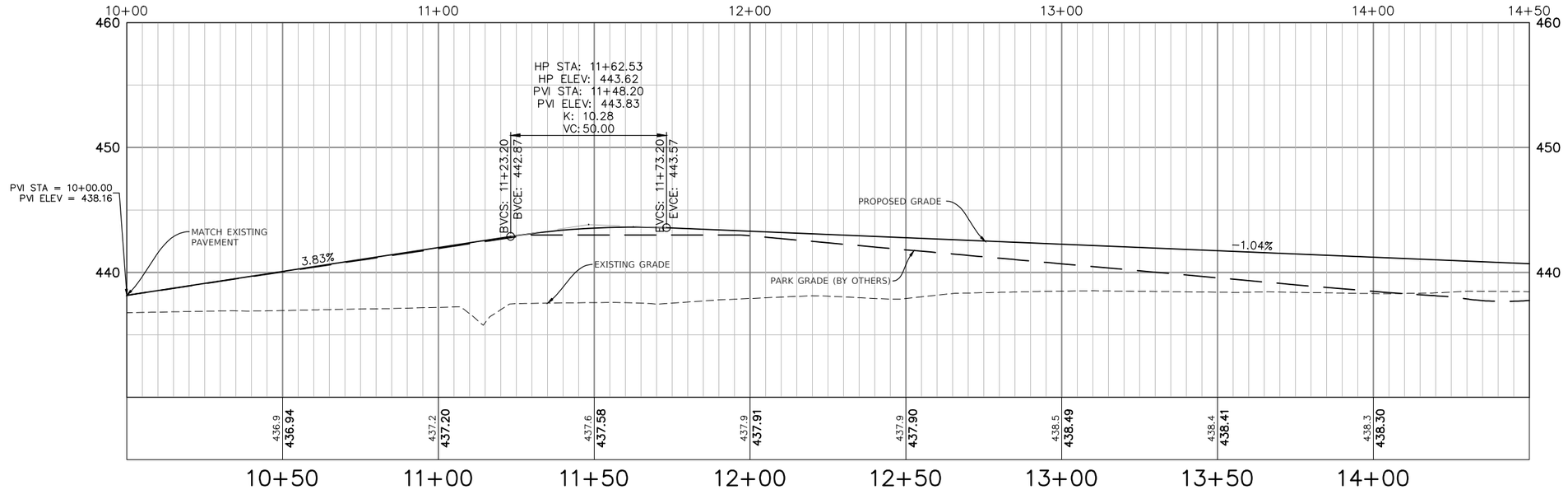
CREEKSIDE PARK CONNECTOR TRAIL
EXISTING CONDITIONS AND REMOVAL PLAN

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	11
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	



Curve Table: Alignments							
Curve #	Radius	Length	Δ	T	PC	PI	PT
C1	205.00	85.86	023°59'51"	43.57	10+41.84	10+85.41	11+27.70
C2	205.00	85.86	023°59'51"	43.57	10+41.84	10+85.41	11+27.70
C3	205.00	63.01	017°36'36"	31.75	12+45.06	12+76.81	13+08.07



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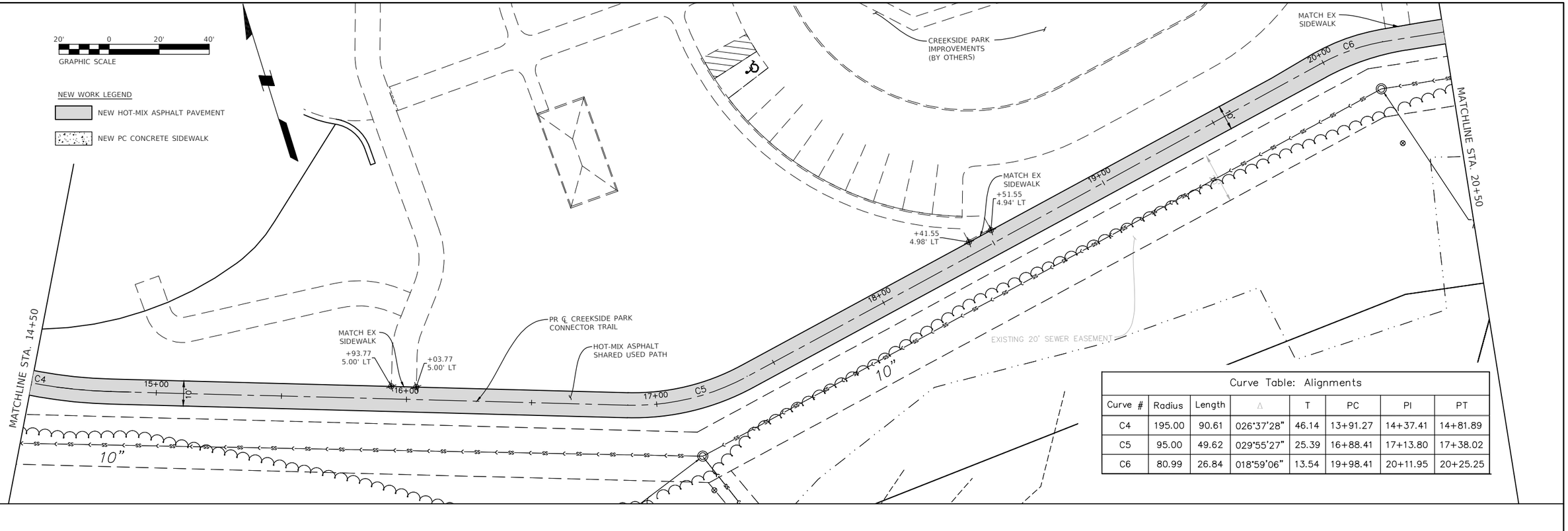
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED - _____	

CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 1 OF 4 SHEETS | STA. 10+00 TO STA. 14+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	12
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	



Curve Table: Alignments							
Curve #	Radius	Length	Δ	T	PC	PI	PT
C4	195.00	90.61	026°37'28"	46.14	13+91.27	14+37.41	14+81.89
C5	95.00	49.62	029°55'27"	25.39	16+88.41	17+13.80	17+38.02
C6	80.99	26.84	018°59'06"	13.54	19+98.41	20+11.95	20+25.25

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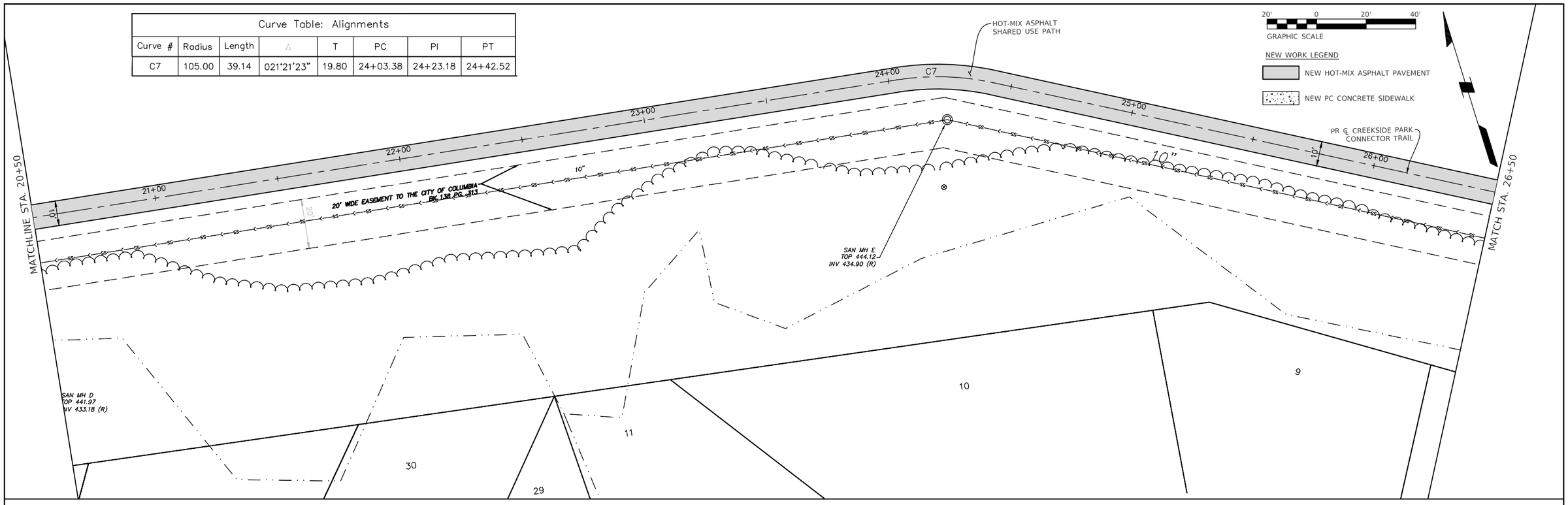
CITY OF COLUMBIA

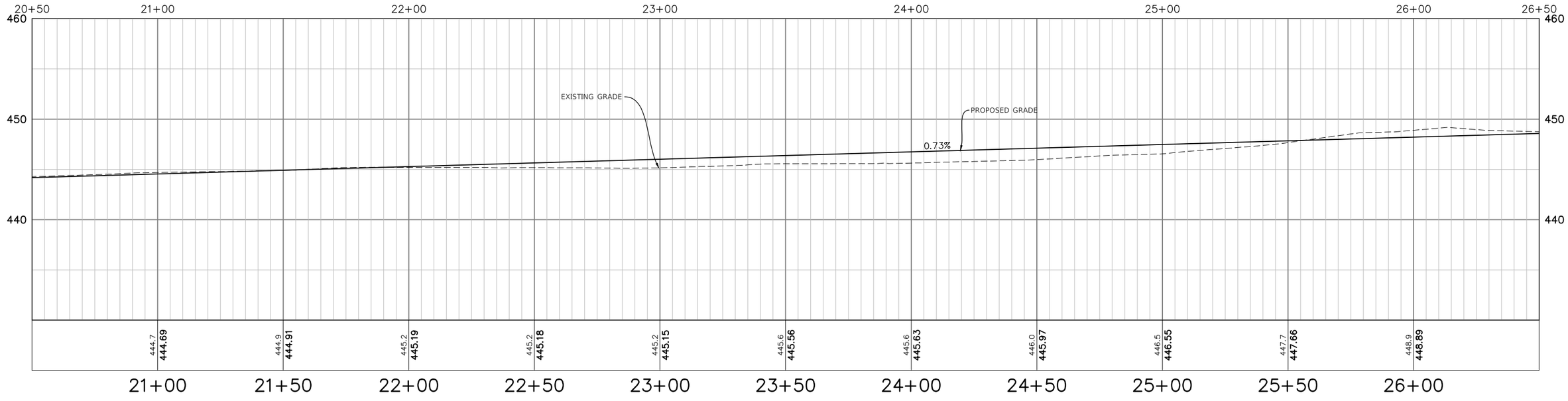
CREEKSIDE PARK CONNECTOR TRAIL
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 2 OF 4 SHEETS | STA. 14+50 TO STA. 20+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	13
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	

Curve Table: Alignments							
Curve #	Radius	Length	Δ	T	PC	PI	PT
C7	105.00	39.14	021°21'23"	19.80	24+03.38	24+23.18	24+42.52





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CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 3 OF 4 SHEETS | STA. 20+50 TO STA. 26+50

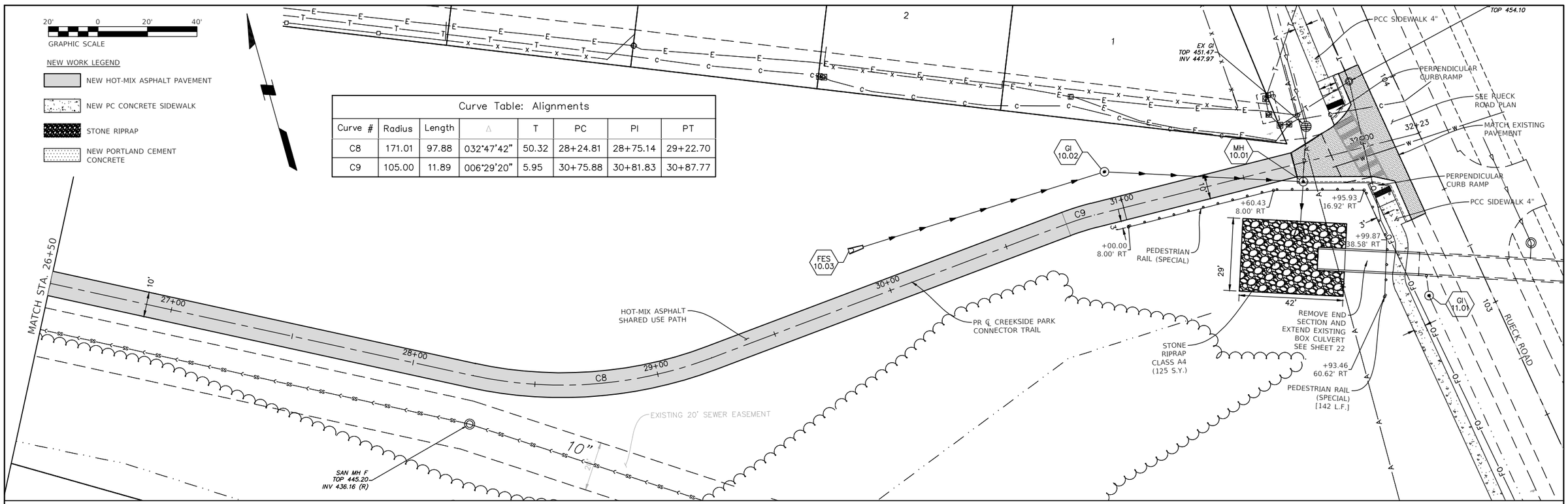
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	14
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	

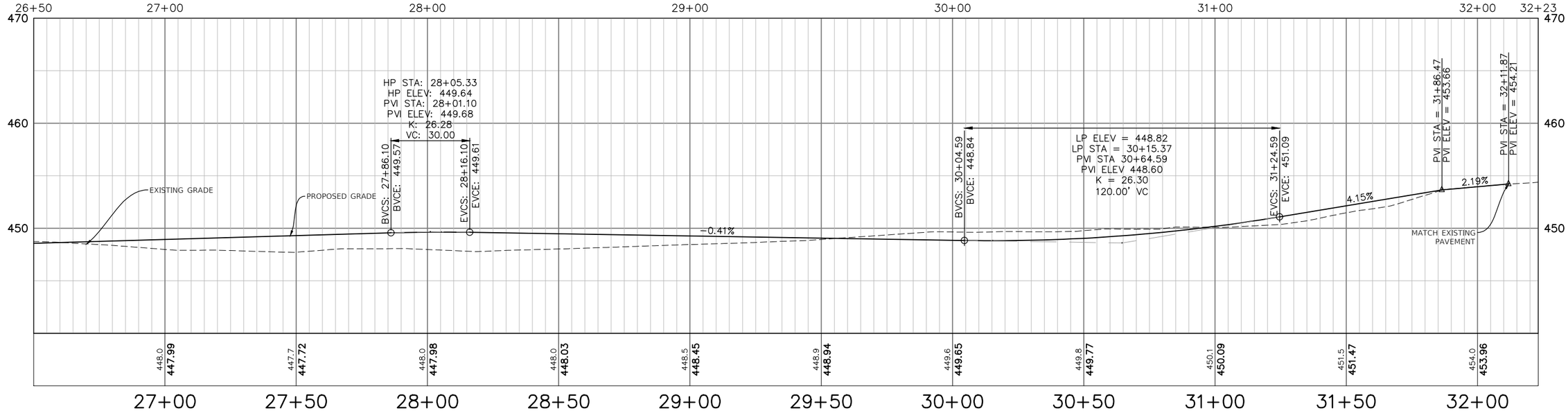
20' 0 20' 40'
GRAPHIC SCALE

NEW WORK LEGEND

- NEW HOT-MIX ASPHALT PAVEMENT
- NEW PC CONCRETE SIDEWALK
- STONE RIPRAP
- NEW PORTLAND CEMENT CONCRETE

Curve Table: Alignments							
Curve #	Radius	Length	Δ	T	PC	PI	PT
C8	171.01	97.88	032°47'42"	50.32	28+24.81	28+75.14	29+22.70
C9	105.00	11.89	006°29'20"	5.95	30+75.88	30+81.83	30+87.77





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CREEKSIDE PARK CONNECTOR TRAIL
PLAN AND PROFILE

SCALE: 1"=20' | SHEET 4 OF 4 SHEETS | STA. 26+50 TO STA. 31+88

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	15
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	

MATCH EX. SIDEWALK
PC CONC SIDEWALK
+68.67
42.39' LT
+80.07
51.79' LT
MICHELLE DRIVE
(CONC PAVEMENT)
MATCH EX SIDEWALK
+21.95
51.31' LT
DIAGONAL CURB RAMP
IDOT STD. 424006
DIAGONAL CURB RAMP
IDOT STD. 424006
PAVEMENT MARKING
+28.52
38.78' LT
+60.90
28.55' LT
+70.48
28.60' LT
+78.49
29.27' LT
EX. R.O.W.
R55'
+21.83
34.35' LT
+27.25
34.51' LT
PC CONC
SIDEWALK
MATCH STA. 102+75
99+68.67
100
101
102
RUECK ROAD
(CONC PAVEMENT)
10' 0 10' 20'
GRAPHIC SCALE

10'
FOLD DOWN
BOLLARD
EX. R.O.W.
PROPOSED SWALE
PROPOSED
CULVERT
EXTENSION
MATCH EXISTING
PAVEMENT
STA. 31+71.06
+20.42
34.81' LT
R15'
+64.42
26.66' LT
+13.41
23.39' LT
+44.24
21.63' LT
B6.24 CC&G
B6.24 CC&G
32'
PERPENDICULAR
CURB RAMP
IDOT STD. 424001
PORTLAND CEMENT
CONC. PAVEMENT 6"
PAVEMENT MARKING
+51.52
28.15' LT
PERPENDICULAR
CURB RAMP
IDOT STD. 424001
RECTANGULAR RAPID
FLASHING BEACON
+52.99
21.05' LT
MATCH EXISTING
PAVEMENT
WILSON DR.
(CONC PAVEMENT)
6"
PAVEMENT MARKING
MATCH EXISTING
PAVEMENT
+44.90
21.05' RT
RECTANGULAR RAPID
FLASHING BEACON
PERPENDICULAR
CURB RAMP
IDOT STD. 424001
MATCH EXISTING
PAVEMENT
MATCH STA. 102+75
103
104
105
RUECK ROAD
(CONC PAVEMENT)
RUECK ROAD
℄ STA. 103+74.77
NEW CREEKSIDE TRAIL
℄ STA. 32+23.01
10' 0 10' 20'
GRAPHIC SCALE

NEW WORK LEGEND
NEW HOT-MIX ASPHALT PAVEMENT
NEW PC CONCRETE SIDEWALK
NEW PORTLAND CEMENT CONCRETE

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CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
RUECK ROAD SIDEWALK PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	16
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	

MATCH EX. SIDEWALK
457.50
457.50
PC CONC SIDEWALK
+68.67
42.39' LT
+80.07
51.79' LT
457.67
457.64
457.61
MICHELLE DRIVE
(CONC PAVEMENT)
0.6%
0.8%
0.7%
0.4%
0.9%
DIAGONAL CURB RAMP
IDOT STD. 424006
457.64
457.69
457.71
PAVEMENT MARKING
MATCH EX SIDEWALK
(457.50)
(457.50)
+21.95
51.31' LT
457.64
457.67
(457.61)
457.71
(457.64)
DIAGONAL CURB RAMP
IDOT STD. 424006
457.69
+28.52
38.78' LT
458.28
+60.90
28.55' LT
+70.48
28.60' LT
+78.49
29.27' LT
EX. R.O.W.
+21.83
34.35' LT
R55'
458.29
+27.25
34.51' LT
PC CONC SIDEWALK
456.61
456.70
455.42
458.38
457.10
457.79
R55'
99+68.67
100
101
102
RUECK ROAD
(CONC PAVEMENT)
MATCH STA. 102+75
10'
0
10'
20'
GRAPHIC SCALE

10'
EX. R.O.W.
FOLD DOWN BOLLARD
(451.39)
PROPOSED SWALE
PROPOSED CULVERT EXTENSION
MATCH EXISTING PAVEMENT STA. 31+71.06
(453.52)
453.75
453.71
454.20
454.26
453.92
+51.52
28.15' LT
PERPENDICULAR CURB RAMP IDOT STD. 424001
RECTANGULAR RAPID FLASHING BEACON
453.93
0.2%
0.2%
453.99
453.98
+52.99
31.05' LT
(454.03)
(453.92)
WILSON DR.
(CONC PAVEMENT)
+20.42
34.81' LT
453.96
R15'
454.14
454.19
454.02
(453.80)
453.90
+64.42
26.66' LT
+13.41
23.39' LT
454.05
452.96
R15'
+44.24
21.63' LT
454.09
454.28
454.06
(453.97)
(454.14)
(453.84)
454.30
454.36
453.84
(453.94)
(453.86)
MATCH EXISTING PAVEMENT
PERPENDICULAR CURB RAMP IDOT STD. 424001
105
6"
PAVEMENT MARKING
PERPENDICULAR CURB RAMP IDOT STD. 424001
PORTLAND CEMENT CONC. PAVEMENT 6"
PAVEMENT MARKING
104
RUECK ROAD
(CONC PAVEMENT)
103
MATCH STA. 102+75
RUECK ROAD
℄ STA. 103+74.77
NEW CREEKSIDE TRAIL
℄ STA. 32+23.01
MATCH EXISTING PAVEMENT
(453.88)
+44.90
21.05' RT
(453.84)
453.91
453.87
RECTANGULAR RAPID FLASHING BEACON
PERPENDICULAR CURB RAMP IDOT STD. 424001
454.32
454.39
454.39
454.47
MATCH EXISTING PAVEMENT
(454.48)
10'
0
10'
20'
GRAPHIC SCALE

MODEL: Default
FILE NAME: P:\2019\ME19021 Columbia - Creekside Park

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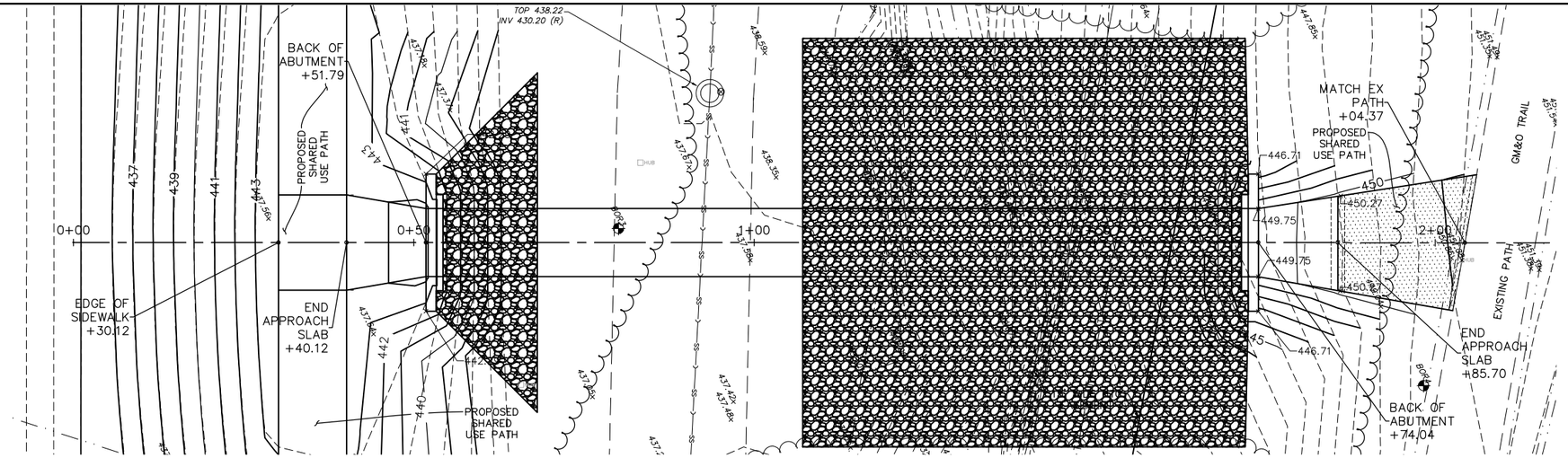
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -

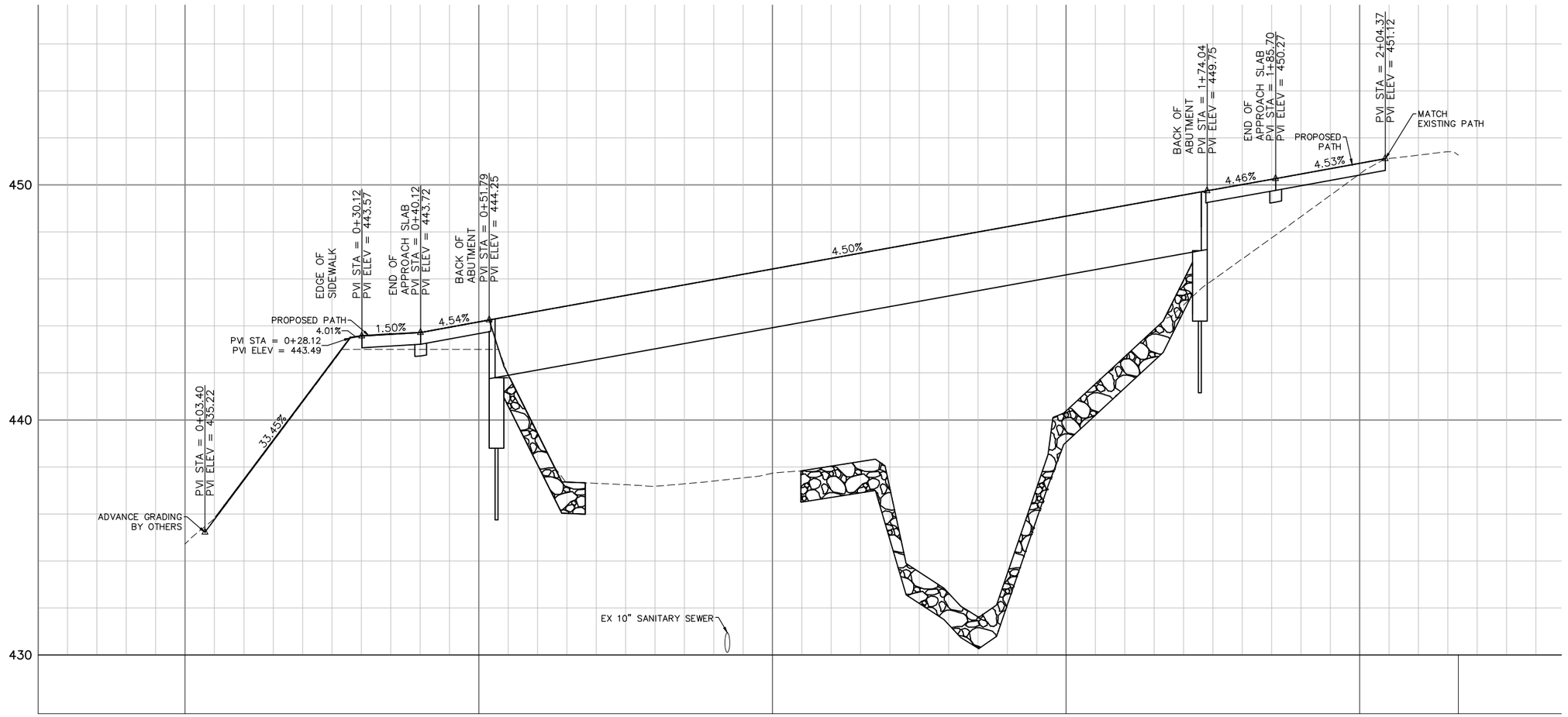
CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
RUECK ROAD SIDEWALK GRADING DETAIL

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	17
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	





SCALE
HORIZ. 1"=10'
VERT. 1"=5'

MODEL: Default
FILE NAME: P:\2019\ME19021 Columbia - Creekside Park

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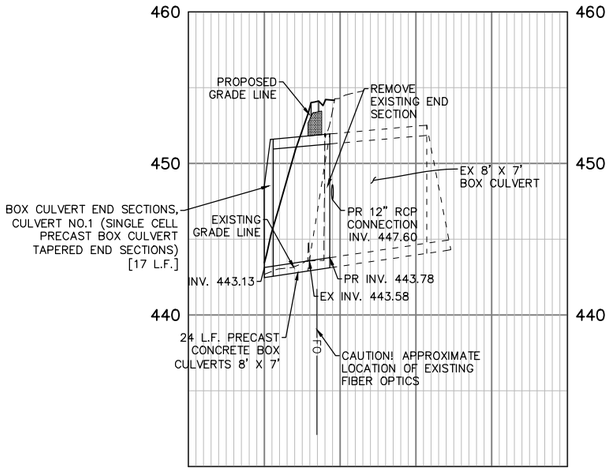
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -

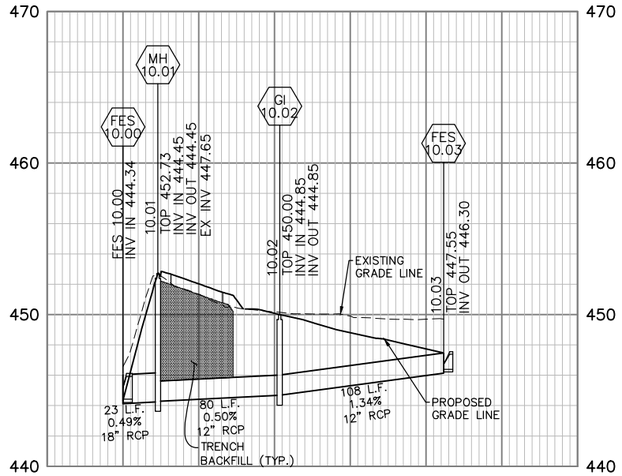
CITY OF COLUMBIA

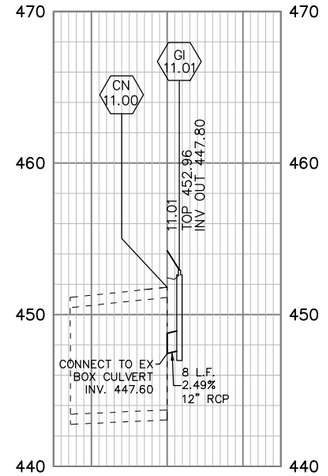
CREEKSIDE PARK CONNECTOR TRAIL
BRIDGE PLAN AND PROFILE

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	18
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	

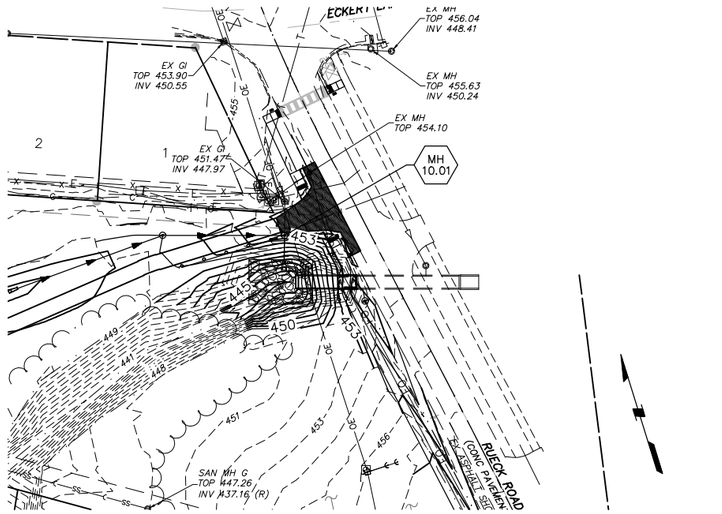






NOTE:
1. ALL HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES TO BE CONSIDERED AS APPROXIMATE ONLY. CONTRACTOR TO VERIFY EXISTING LOCATIONS PRIOR TO FABRICATION AND CONSTRUCTION.
2. PIPE LENGTHS ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
3. PIPES LENGTHS WITH FLARED END SECTIONS ARE TO THE INVERT OF THE FLARED END SECTION.
4. CURB INLET TOPS ARE TO THE BACK OF CURB.
5. PLACE TRENCH BACKFILL UNDER PAVEMENT.

SCALE
HORIZ. 1"=50'
VERT. 1"=5'



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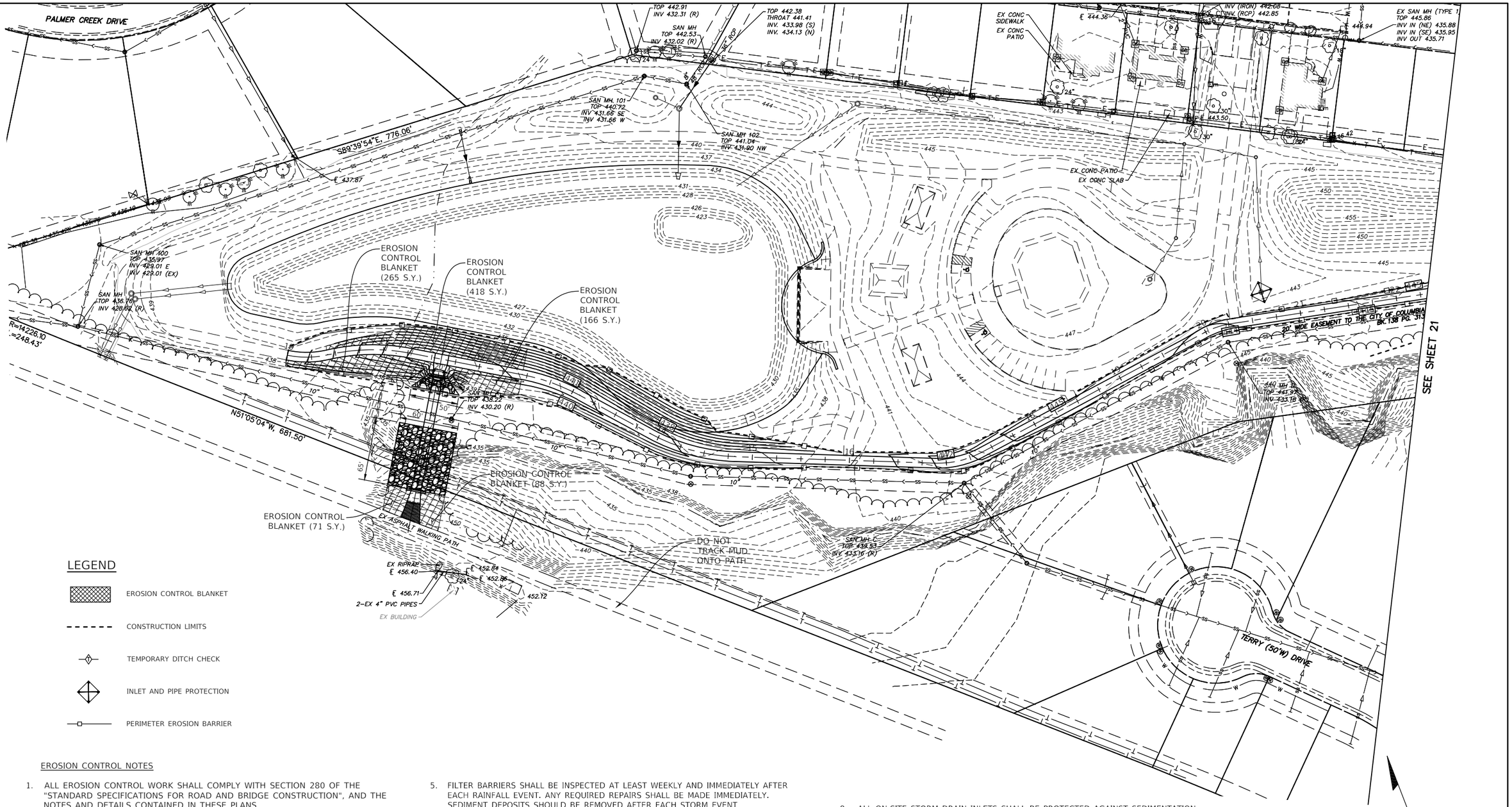
	PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED - _____

CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
BOX CULVERT PROFILE

SCALE: 1"=50' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	19
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- EROSION CONTROL BLANKET
- CONSTRUCTION LIMITS
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER

EROSION CONTROL NOTES

1. ALL EROSION CONTROL WORK SHALL COMPLY WITH SECTION 280 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE NOTES AND DETAILS CONTAINED IN THESE PLANS.
2. STRICTLY ADHERE TO ALL NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT REQUIREMENTS.
3. PROVIDE FOR INGRESS AND EGRESS FROM THE SITE ONTO PUBLIC RIGHTS-OF-WAY BY CONSTRUCTING A STABILIZED CONSTRUCTION ENTRANCE AS SHOWN IN THE DETAILS. SOILS TRACKED OFF SITE ONTO ADJACENT PAVEMENTS SHALL IMMEDIATELY BE RECOVERED BY STREET SWEEPING OR OTHER MEANS.
4. ALL DISTURBED EARTH SURFACES THAT WILL HAVE BARE SOIL FOR LONGER THAN 45 DAYS SHALL BE TEMPORARILY SEEDED. TEMPORARY SEEDING SHALL BE CLASS 7 PER SECTION 280 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". SEED SHALL BE PLACED AT A RATE OF NOT LESS THAN 100 POUNDS PER ACRE.
5. FILTER BARRIERS SHALL BE INSPECTED AT LEAST WEEKLY AND IMMEDIATELY AFTER EACH RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT.
6. ALL DISTURBED AREAS SHALL BE FINE-GRADED, FERTILIZED, SEEDED AND MULCHED. SEEDING AND MULCHING SHALL BE PERFORMED IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." SEEDING SHALL TAKE PLACE AS SOON AS FINISH GRADING OPERATIONS ARE COMPLETE.
7. FURNISH, TRANSPORT AND PLACE MULCH OR EROSION CONTROL BLANKET OVER THE SEEDED AREA. THE METHOD, PROCEDURES AND MATERIALS APPLIED FOR MULCHING SHALL CONFORM TO THE REQUIREMENTS OF SECTION251 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". EROSION CONTROL BLANKET CAN REPLACE MULCHING AS METHOD FOR EROSION CONTROL. FOR GROUND SLOPES GREATER THAN 3:1 (H:V), EROSION CONTROL BLANKET SHALL BE USED FOR EROSION CONTROL.
8. ALL ON-SITE STORM DRAIN INLETS SHALL BE PROTECTED AGAINST SEDIMENTATION WITH FILTER FABRIC OR SEDIMENT BAGS MEETING ACCEPTED DESIGN CRITERIA, STANDARDS, AND SPECIFICATIONS FOR THAT PURPOSE.
9. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL COMPLY WITH THE GUIDELINES OF THE ILLINOIS URBAN MANUAL, LATEST EDITION.
10. PUBLIC ROADWAYS SHALL BE KEPT CLEARED OF ACCUMULATED SEDIMENT. BULK CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING THE AREA WITH WATER. CLEARED SEDIMENT SHALL BE RETURNED TO THE POINT OF LIKELY ORIGIN OR OTHER SUITABLE LOCATIONS. STREET SWEEPING SHALL BE PROVIDED AS NECESSARY.
11. SEDIMENT BUILDUP BE REMOVED FROM ALL EROSION CONTROL MEASURES WHEN THEY BECOME ⅓ FULL, OR AFTER EACH MAJOR RAIN EVENT AS NEEDED.

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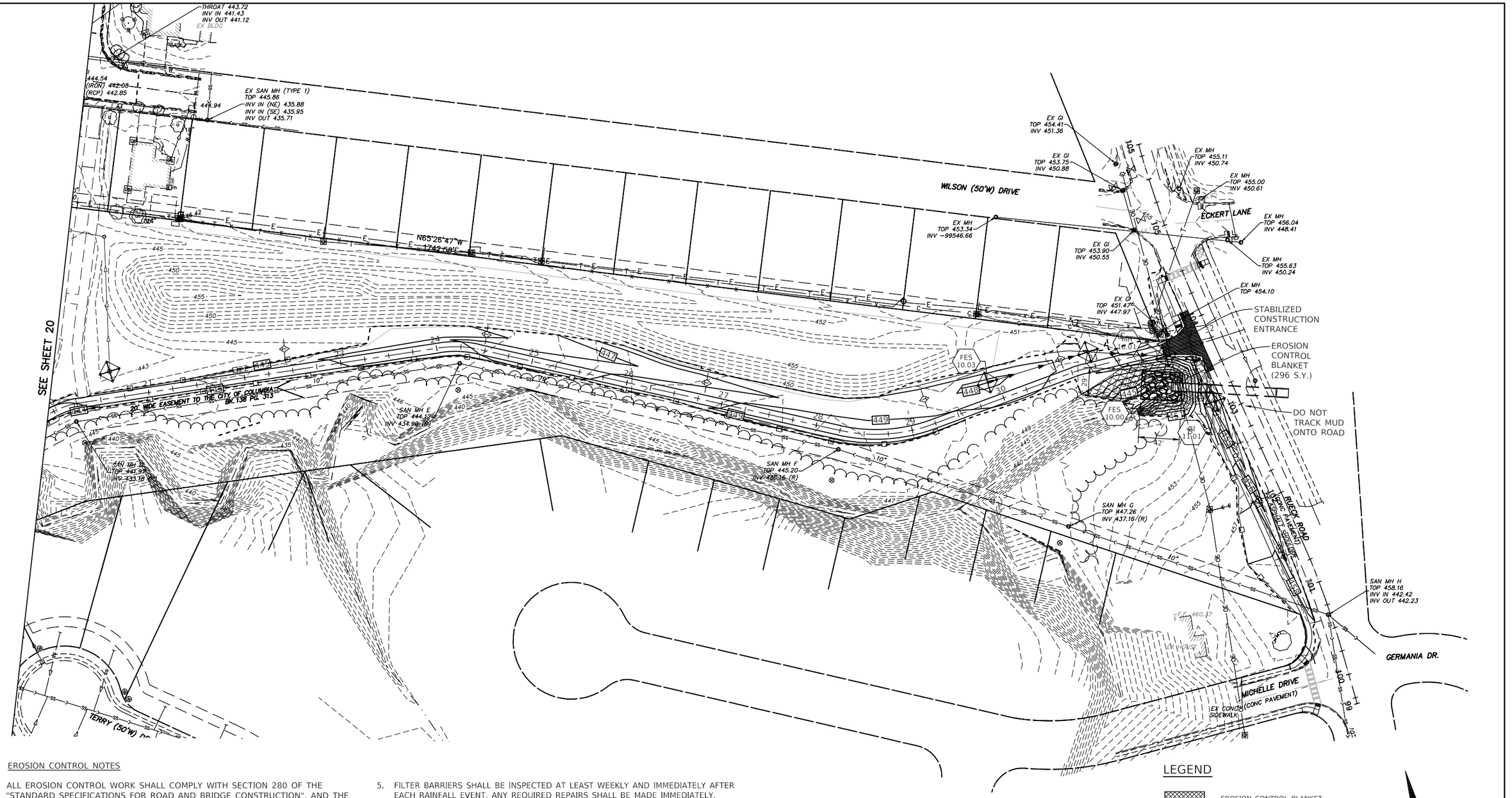
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -	

CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
EROSION CONTROL AND GRADING PLAN

SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	20
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	



EROSION CONTROL NOTES

1. ALL EROSION CONTROL WORK SHALL COMPLY WITH SECTION 280 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", AND THE NOTES AND DETAILS CONTAINED IN THESE PLANS.
2. STRICTLY ADHERE TO ALL NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT REQUIREMENTS.
3. PROVIDE FOR INGRESS AND EGRESS FROM THE SITE ONTO PUBLIC RIGHTS-OF-WAY BY CONSTRUCTING A STABILIZED CONSTRUCTION ENTRANCE AS SHOWN IN THE DETAILS. SOILS TRACKED OFF SITE ONTO ADJACENT PAVEMENTS SHALL IMMEDIATELY BE RECOVERED BY STREET SWEEPING OR OTHER MEANS.
4. ALL DISTURBED EARTH SURFACES THAT WILL HAVE BARE SOIL FOR LONGER THAN 45 DAYS SHALL BE TEMPORARILY SEEDED. TEMPORARY SEEDING SHALL BE CLASS 7 PER SECTION 280 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". SEED SHALL BE PLACED AT A RATE OF NOT LESS THAN 100 POUNDS PER ACRE.
5. FILTER BARRIERS SHALL BE INSPECTED AT LEAST WEEKLY AND IMMEDIATELY AFTER EACH RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT.
6. ALL DISTURBED AREAS SHALL BE FINE-GRADED, FERTILIZED, SEEDED AND MULCHED. SEEDING AND MULCHING SHALL BE PERFORMED IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." SEEDING SHALL TAKE PLACE AS SOON AS FINISH GRADING OPERATIONS ARE COMPLETE.
7. FURNISH, TRANSPORT AND PLACE MULCH OR EROSION CONTROL BLANKET OVER THE SEEDED AREA. THE METHOD, PROCEDURES AND MATERIALS APPLIED FOR MULCHING SHALL CONFORM TO THE REQUIREMENTS OF SECTION251 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". EROSION CONTROL BLANKET CAN REPLACE MULCHING AS METHOD FOR EROSION CONTROL. FOR GROUND SLOPES GREATER THAN 3:1 (H:V), EROSION CONTROL BLANKET SHALL BE USED FOR EROSION CONTROL.
8. ALL ON-SITE STORM DRAIN INLETS SHALL BE PROTECTED AGAINST SEDIMENTATION WITH FILTER FABRIC OR SEDIMENT BAGS MEETING ACCEPTED DESIGN CRITERIA, STANDARDS, AND SPECIFICATIONS FOR THAT PURPOSE.
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10. PUBLIC ROADWAYS SHALL BE KEPT CLEARED OF ACCUMULATED SEDIMENT. BULK CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING THE AREA WITH WATER. CLEARED SEDIMENT SHALL BE RETURNED TO THE POINT OF LIKELY ORIGIN OR OTHER SUITABLE LOCATIONS. STREET SWEEPING SHALL BE PROVIDED AS NECESSARY.
11. SEDIMENT BUILDUP BE REMOVED FROM ALL EROSION CONTROL MEASURES WHEN THEY BECOME ⅓ FULL, OR AFTER EACH MAJOR RAIN EVENT AS NEEDED.

LEGEND

- EROSION CONTROL BLANKET
- CONSTRUCTION LIMITS
- TEMPORARY DITCH CHECK
- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER

50' 0 50' 100'
GRAPHIC SCALE

MODEL: Default
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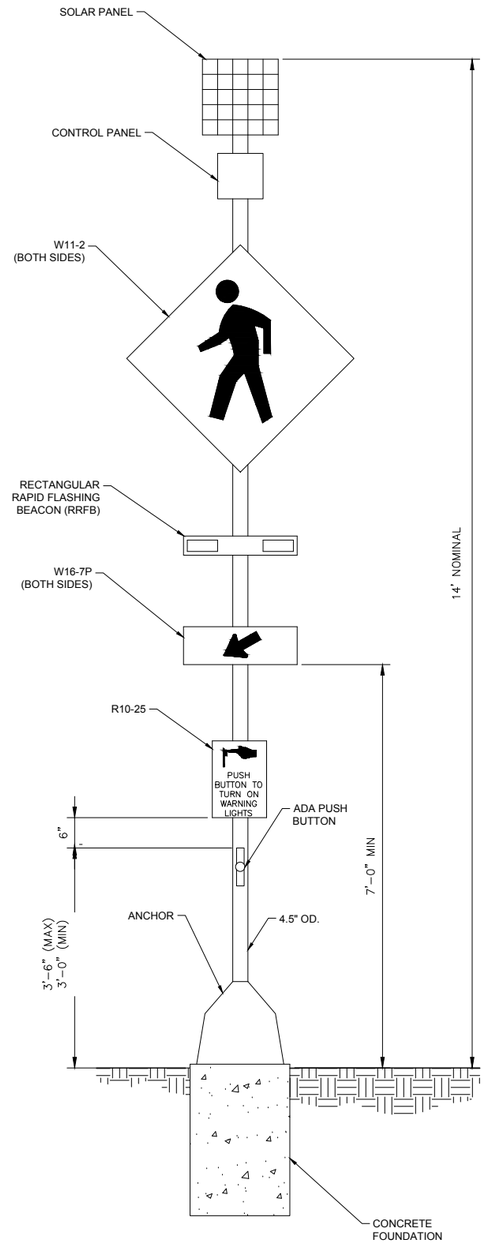
CITY OF COLUMBIA

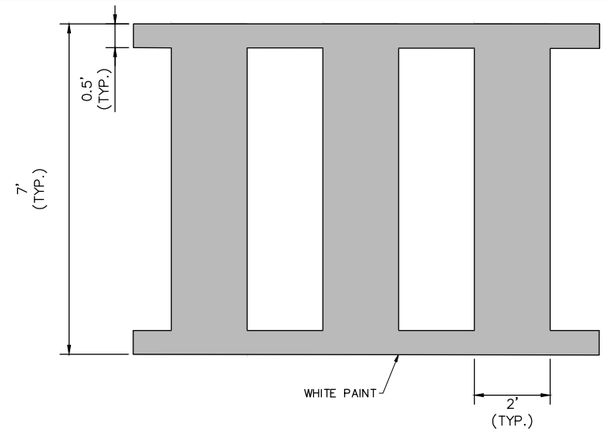
CREEKSIDE PARK CONNECTOR TRAIL
EROSION CONTROL AND GRADING PLAN

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. | TO STA.

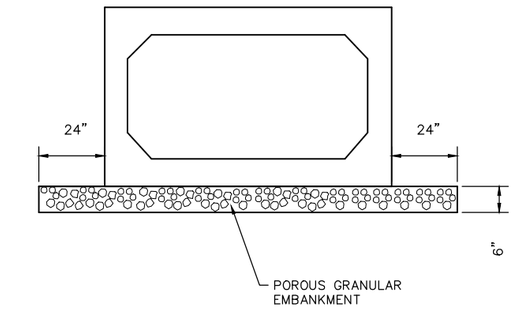
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	21
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	



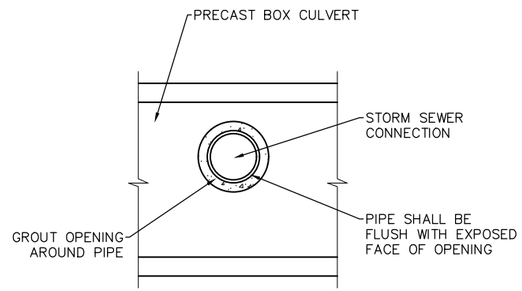
RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE) | 1
NOT TO SCALE | 22



CROSSWALK DETAIL | 2
NOT TO SCALE | 22



BOX CULVERT BEDDING DETAIL | 3
NOT TO SCALE | 22



CONNECTION TO EXISTING CULVERT | 4
NOT TO SCALE | 22

MODEL: Default
FILE NAME: P:\2019\NE1902\ Columbia - Creekside Park

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PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -	

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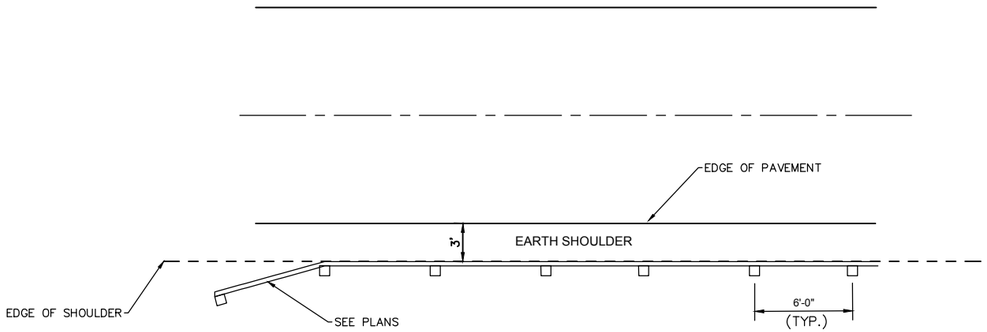
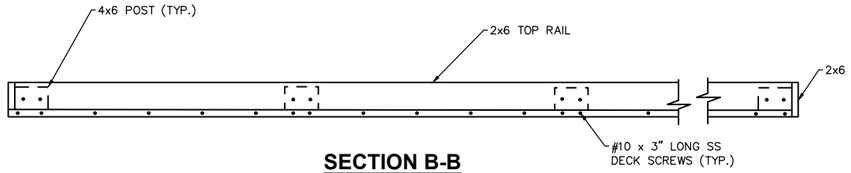
CREEKSIDE PARK CONNECTOR TRAIL
MISCELLANEOUS DETAILS

SCALE: N/A | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	22
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	

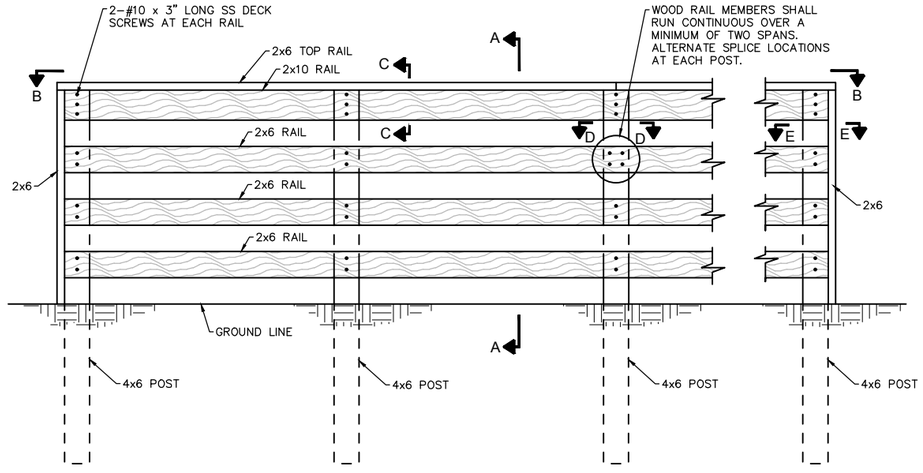


PLAN

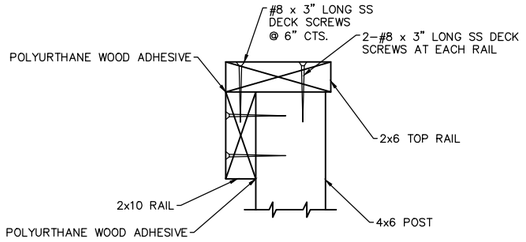


SECTION B-B

(NOT TO SCALE)

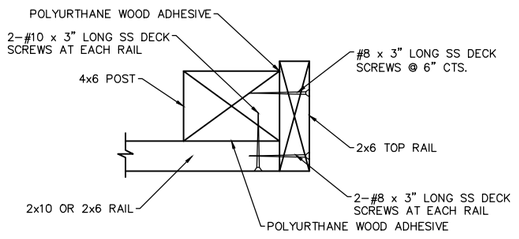


INSIDE RAIL ELEVATION



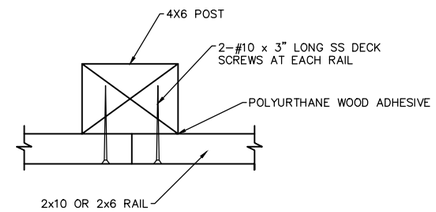
SECTION C-C

(NOT TO SCALE)



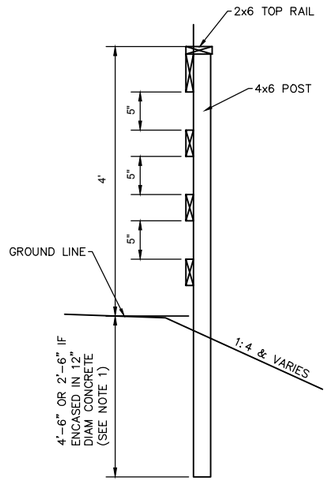
SECTION E-E

(NOT TO SCALE)



SECTION D-D

(NOT TO SCALE)



NOTE 1: PROPOSED FENCE POSTS MUST BE ENCASED IN CONCRETE IF PLACED ABOVE BOX CULVERT

SECTION A-A

(NOT TO SCALE)

PEDESTRIAN RAIL (SPECIAL) DETAIL

(NOT TO SCALE)

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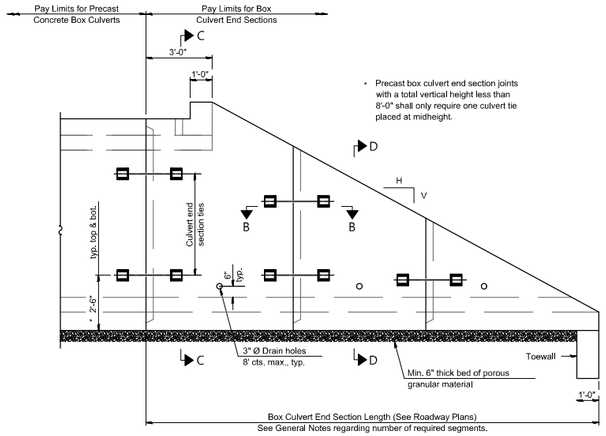
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -

CITY OF COLUMBIA

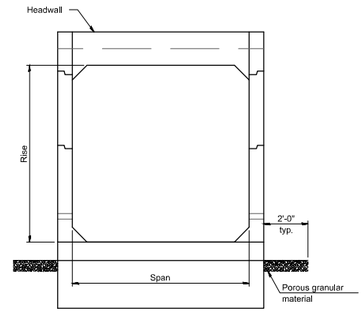
CREEKSIDE PARK CONNECTOR TRAIL
MISCELLANEOUS DETAILS

SCALE: N/A | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	23
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	



ELEVATION



END VIEW

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See roadway plans for embankment slope (V:H).

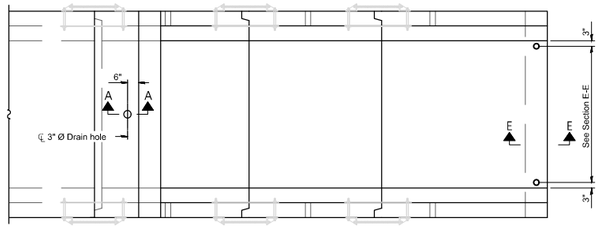
1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2½" x 2½" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional ½ turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

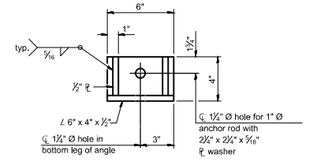
Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd..

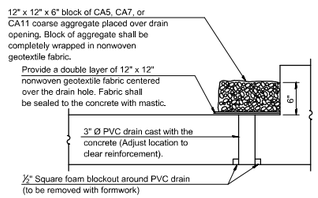
For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.



PLAN

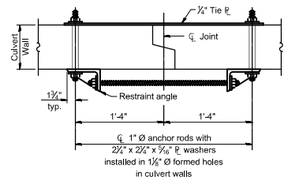


RESTRAINT ANGLE DETAIL



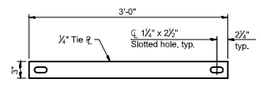
SECTION A-A

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)



SECTION B-B

(Showing end section tie details)



TIE PLATE DETAIL

(Sheet 1 of 2)

SINGLE CELL PRECAST BOX CULVERT TAPERED END SECTIONS

SCB-TES

5-15-2023

USER NAME = MILLENNIA	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = SEE PLAN	CHECKED -	REVISED -	
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -	

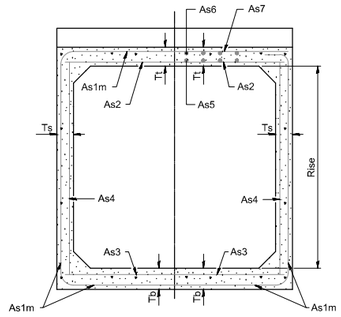
CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
BOX CULVERT END SECTIONS, CLUVERT NO.1

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

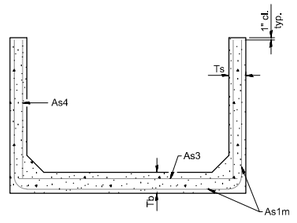
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	24
		CONTRACT NO. 97880		
	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: P:\2019\ME19021 Columbia - Creekside Park

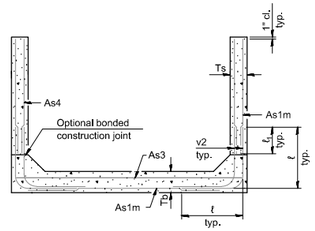


(Design Earth Cover ≥ 2 ft) (Design Earth Cover < 2 ft)

SECTION C-C



SECTION D-D



ALTERNATE SECTION D-D

As1m REINFORCEMENT

(in.²/ ft)

Ts (in.) \ Rise (ft)	2	3	4	5	6	7	8	9	10	11	12
4	0.19	0.17									
5	0.26	0.21	0.18								
6	0.22	0.26	0.23	0.22							
7	0.25	0.33	0.59	0.27	0.28						
8	0.40	0.35	0.43	0.39	0.36	0.34	0.40				
9	0.44	0.39	0.35	0.43	0.40	0.37	0.36	0.48			
10	0.48	0.42	0.38	0.47	0.44	0.41	0.38	0.42	0.56		
11	0.52	0.45	0.54	0.50	0.46	0.44	0.41	0.46	0.50	0.65	
12	0.55	0.49	0.58	0.54	0.50	0.48	0.45	0.46	0.46	0.61	0.75

(As1m reinforcement based upon welded wire reinforcement conforming to AASHTO M 55 or M 221).

ℓ_1 DIMENSION

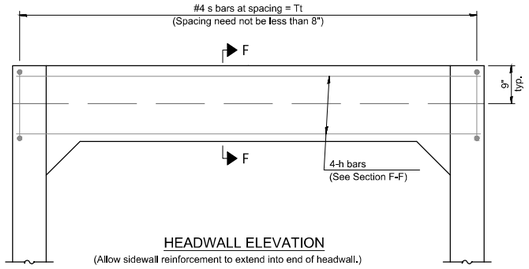
#3 bar = 2'-0"
#4 bar = 2'-8"
#5 bar = 3'-4"
#6 bar = 3'-11"

Notes:

Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.

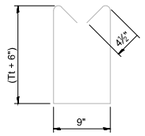
The size and spacing of the v2 bars shall provide a minimum reinforcement area along each face of the walls (in.²/ft.) equal to 1.10*(As1m). v2 bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.

Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

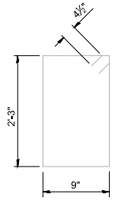


HEADWALL ELEVATION

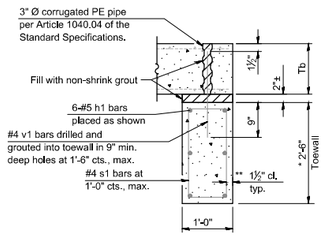
(Allow sidewall reinforcement to extend into end of headwall.)



BAR s



BAR s1



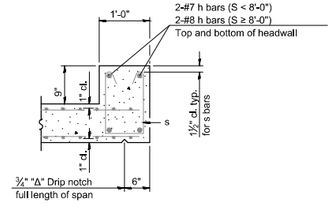
SECTION E-E

TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and construct toewall.
2. Backfill according to the applicable paragraphs of Article 502.10 of the Standard Specifications and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling the method.

** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



SECTION F-F

(Sheet 2 of 2)

SINGLE CELL PRECAST BOX CULVERT TAPERED END SECTIONS

SCB-TES

5-15-2023

USER NAME = MILLENNIA	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = SEE PLAN	CHECKED -	REVISED -	
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -	

CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
BOX CULVERT END SECTIONS, CLUVERT NO.1

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	25
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: P:\2019\ME19021 Columbia - Creekside Park

INDEX OF SHEETS

DESIGN SPECIFICATIONS

2009 AASHTO LRFD Guide Specifications
for the Design of Pedestrian Bridges
& 2015 Interims
2024 AASHTO LRFD Bridge Design
Specifications, 10th Edition

DESIGN STRESSES

FIELD UNITS

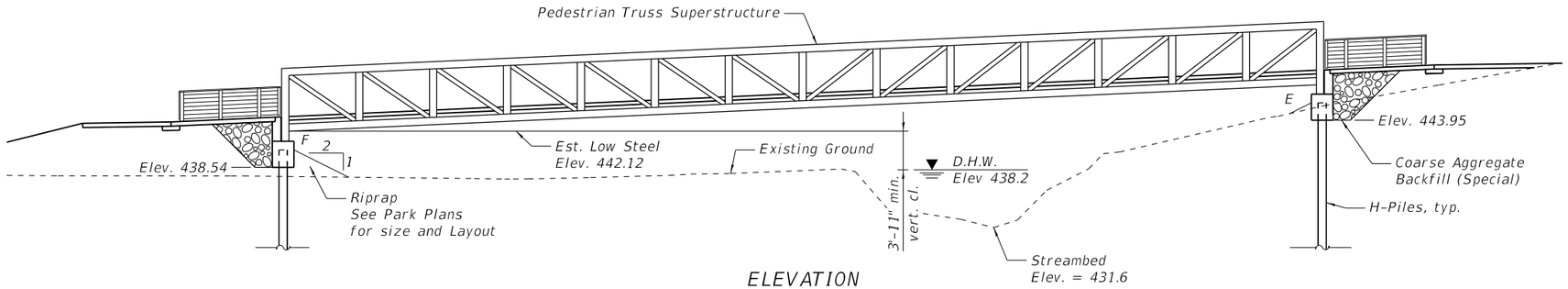
f'c = 4,000 psi (Superstructure)
f'c = 3,500 psi (Substructure)
fy = 60,000 psi (Reinforcement)

SEISMIC DATA

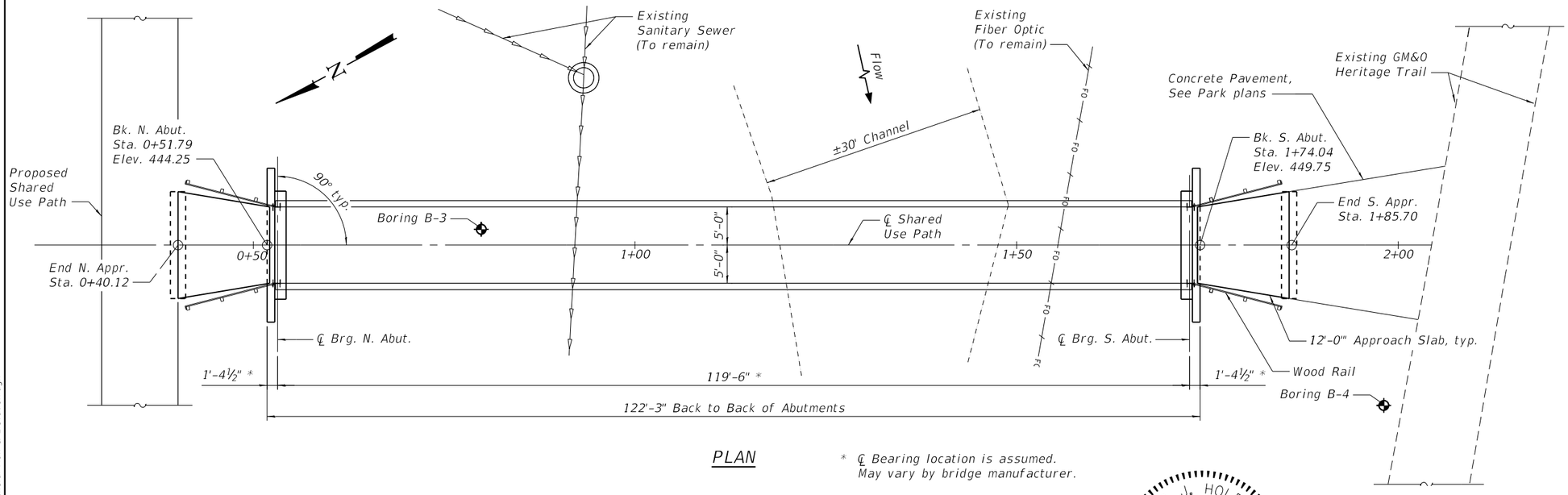
Seismic Performance Zone (SPZ) = 2
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.249g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.57g
Soil Site Class = D

LOADING

Pedestrian Live Load = 90 psf
Vehicle Live Load = AASHTO H5

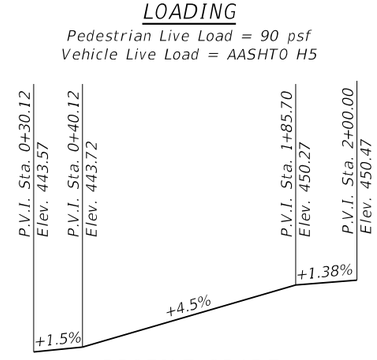


ELEVATION

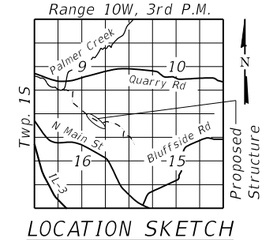


PLAN

* ℄ Bearing location is assumed.
May vary by bridge manufacturer.



PROFILE GRADE
(along ℄ Shared Use Path)



LOCATION SKETCH

WATERWAY INFORMATION

Drainage Area = 650 acres Low Grade Elev. 437.7 @ Sta. 0+06.8

Flood	Freq. Yr.	Q C.F.S.	Opening Ft² Exist.	Opening Ft² Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Ten-Year	10	300	N/A	125	438.2	0.0	0.0	438.2	438.2
Base	100	804	N/A	225	439.2	0.0	0.0	439.2	439.2
Scour Check	200	921	N/A	248	439.4	0.0	0.0	439.4	439.4
Max. Calc.	500	1,270	N/A	314	439.9	0.0	0.0	439.9	439.9

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.) N. Abut.	S. Abut.	Item 113
Q100	438.54	443.95	8
Q200	438.54	443.95	
Design	438.54	443.95	
Check	438.54	443.95	

DAVID J. HOLDENER
081-007109
LICENSED
STRUCTURAL
ENGINEER
OF
ILLINOIS

David J Holdener

EXPIRES 11/30/2026
7/11/2025

I certify that to the best of my knowledge, information and belief, this substructure design is structurally adequate for the design loading on the plans. The design is an economical one for the style of structure and complies with requirements of the AASHTO Design Specifications shown on the plans.

GENERAL PLAN & ELEVATION
CREEKSIDE PARK BRIDGE
SHARED USE PATH OVER
RUECK CREEK
MONROE COUNTY
STA. 1+12.92
STRUCTURE NO. 067-P001

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TWM ENGINEERING & GEOSPATIAL SERVICES
TWM, INC.
WWW.TWM-INC.COM
IL DESIGN FIRM LICENSE NO: 184-001220

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		CHECKED - DJH	REVISED -		
PLOT SCALE	= 0.17 ' / in.	DRAWN - JSS	REVISED -		SHEET 1 OF 7 SHEETS
PLOT DATE	= 7/11/2025	CHECKED - DJH	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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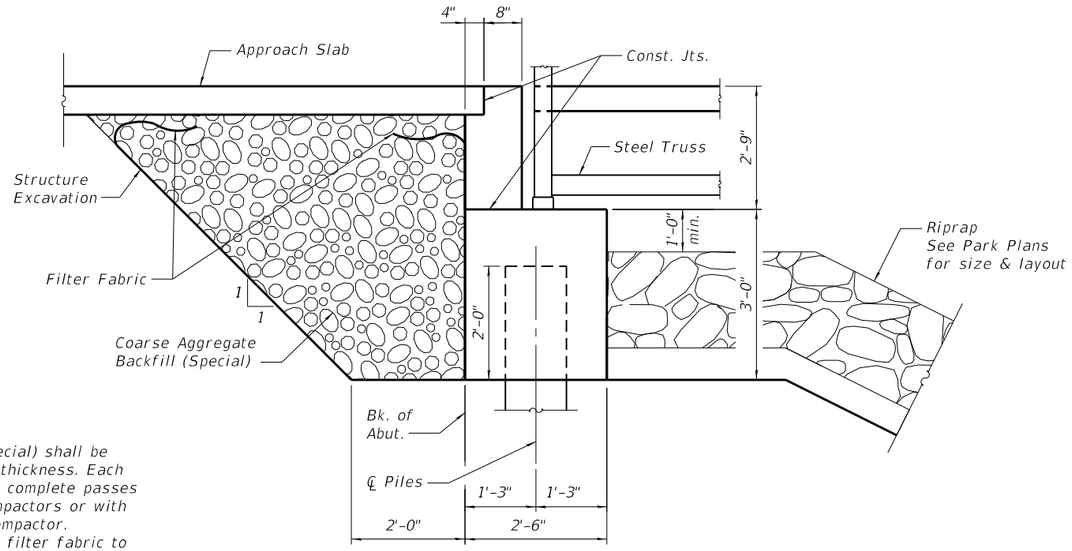
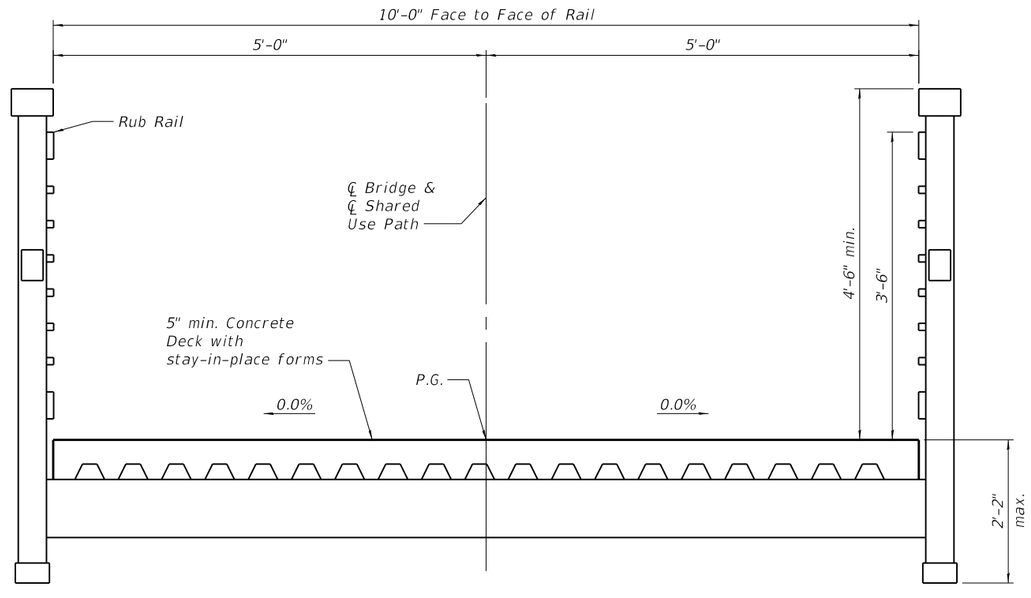
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	



SECTION THROUGH ABUTMENT

NOTES

1. Coarse Aggregate Backfill (Special) shall be placed in lifts of 6" maximum thickness. Each lift shall be compacted by two complete passes with walk behind vibrating compactors or with an excavator plate mounted compactor.
2. Wrap all sides of backfill with filter fabric to eliminate intermixing of adjacent soils.
3. Filter fabric will not be measured for payment and shall be included in the cost of Coarse Aggregate Backfill (Special).



SECTION THROUGH BRIDGE

(Looking South)

GENERAL NOTES

1. For approach details, see Bridge Approach Slab Details, sheet 3.
2. The Pedestrian Truss Superstructure shall meet the requirements of the Special Provisions
   - Bearings: The bearings shall be specified by the bridge manufacturer.
   - Camber: The truss shall be cambered for Dead Load only.
   - End Verticals: The end verticals shall be plumb in the erected position.
   - Finish: Weathering Steel – AASHTO M270 Grade 50W
3. The truss manufacturer shall provide the cast-in-place reinforced concrete deck design. Concrete deck to utilize stay-in-place galvanized forms. Contractor shall place the concrete deck after the truss is set. Cost of design, deck and forms are included with Pedestrian Truss Superstructure.
4. The truss manufacturer shall design and furnish all truss bearing anchor bolts. Cost included with Pedestrian Truss Superstructure.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Pedestrian Truss Superstructure	Sq. Ft.	1,223		1,223
Structure Excavation	Cu. Yd.		10	10
Concrete Structures	Cu. Yd.		21.2	21.2
Reinforcement Bars	Pound		2,200	2,200
Furnishing Steel Piles HP12x53	Foot		124	124
Driving Piles	Foot		124	124
Pile Shoes	Each		4	4
Coarse Aggregate Backfill (Special)	Cu. Yd.		34	34
Wood Rail (Special)	Foot		48	48

ESTIMATED BRIDGE REACTIONS

	P (lbs)	H (lbs)	L (lbs)
Dead Load (DC)	33,000		
Pedestrian Live Load (PL)	27,000		
Vehicle Load (LL)	5,000		
Wind Load (WS)	±6,560	15,050	
Wind Uplift – Windward (WS)	-10,200		
Wind Uplift – Leeward (WS)	-3,400		
Thermal (TU)			4,380

"+" – Downward Load
"-" – Upward Load
"P" – Vertical Load Each Base Plate (4 per Bridge)
"H" – Horizontal Load Each Abutment (2 per Bridge)
"L" – Longitudinal Load Each Base Plate (4 per Bridge)
Loads are unfactored

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ENGINEERING & GEOSPATIAL SERVICES
IL DESIGN FIRM LICENSE NO: 184-001220

USER NAME = jesker	DESIGNED - NP	REVISED -	CITY OF COLUMBIA	GENERAL DATA CREEKSIDE PARK BRIDGE	
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PLOT DATE = 7/11/2025	CHECKED - DJH	REVISED -		SHEET 2 OF 7 SHEETS	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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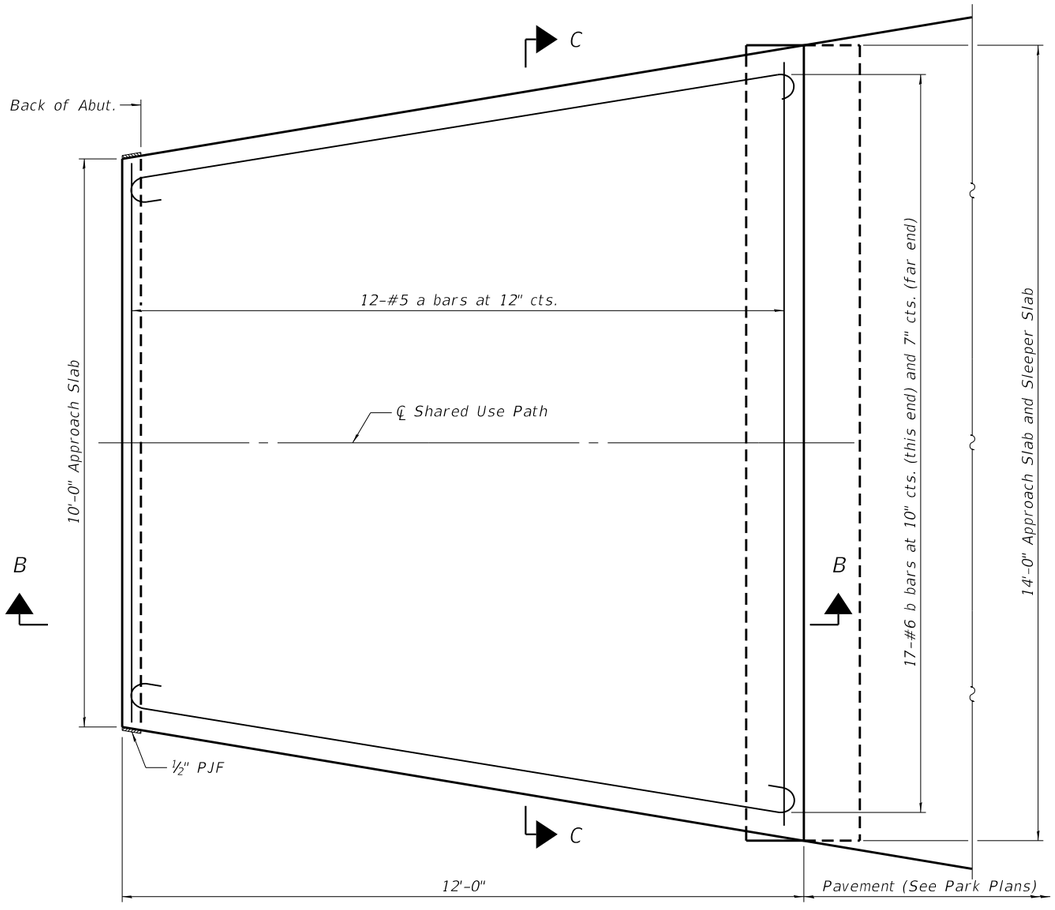
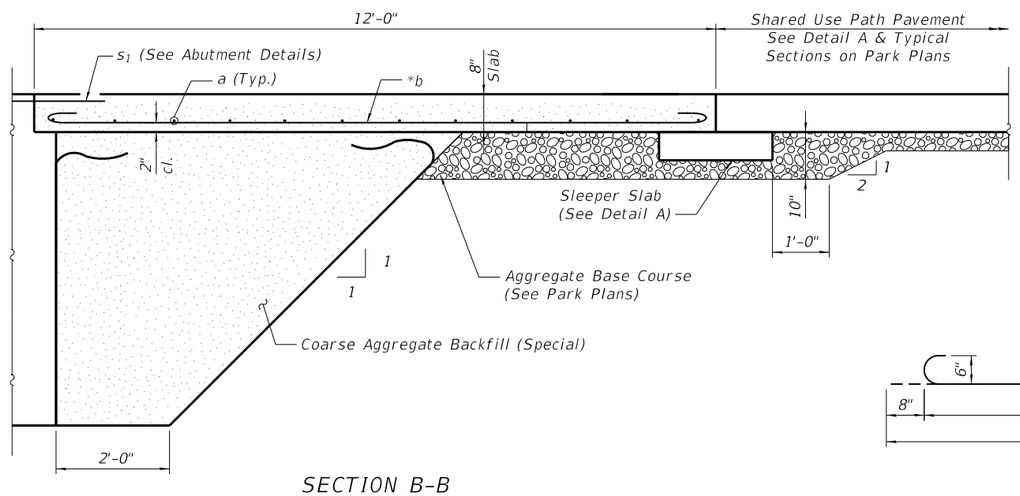
		CONTRACT NO. 97880		
	ILLINOIS	FED. AID PROJECT		

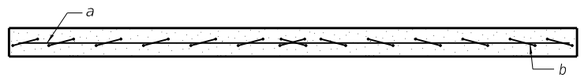


PLAN

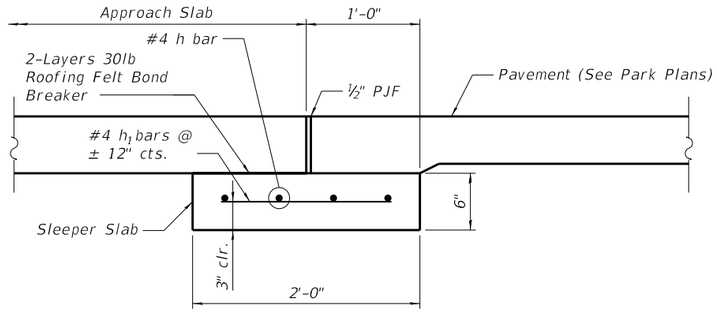
(South Appr. Slab Shown; North Similar)
* Tilt #6 b bars as required to maintain clearance.



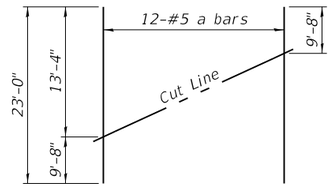
SECTION B-B



SECTION C-C

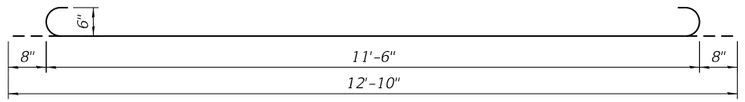


DETAIL A



FIELD CUTTING DIAGRAM

Order a bars full length. Cut as shown and
use remainder of bars in opposite Approach Slab.



BAR b

BILL OF MATERIAL
(2 SLEEPER SLABS)

Bar	No.	Size	Length	Shape
h	8	#4	13'-8"	——
h_1	28	#4	1'-8"	——
Concrete Structures			Cu. Yd.	1.0
Reinforcement Bars			Pound	100

BILL OF MATERIAL
(2 APPROACH SLABS)

Bar	No.	Size	Length	Shape
a	12	#5	23'-0"	——
b	34	#6	12'-10"	⌒
Concrete Structures			Cu. Yd.	7.1
Reinforcement Bars			Pound	940

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IL DESIGN FIRM LICENSE NO: 184-001220

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	CHECKED - DJH	REVISED -			
PLOT SCALE = 0:2.0000 '' / in.	DRAWN - NP	REVISED -		SHEET 3 OF 7 SHEETS	
PLOT DATE = 7/3/2024	CHECKED - DJH	REVISED -			

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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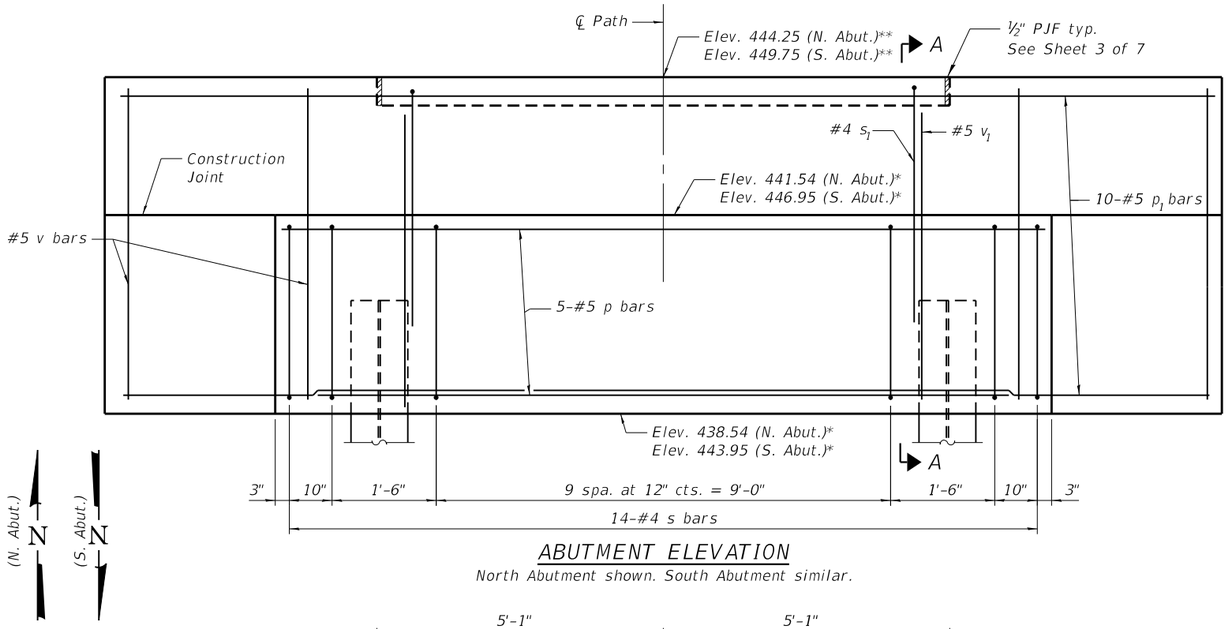
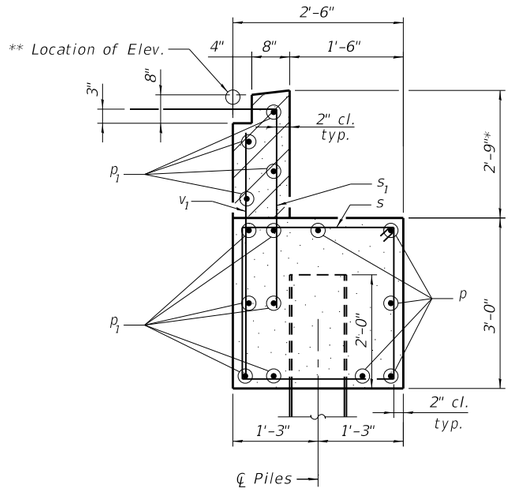
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	



ABUTMENT ELEVATION

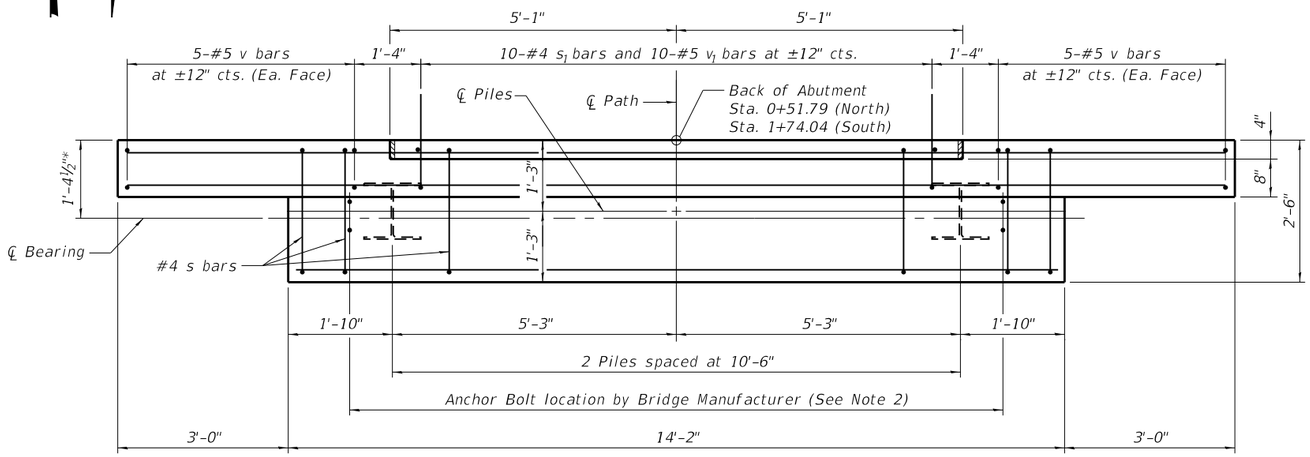
North Abutment shown. South Abutment similar.



SECTION A-A

North Abutment shown. South Abutment similar.

* Indicated dimensions and elevations shall be coordinated with requirements of bridge fabricator. Estimated Quantites and bar dimensions based on dimensions shown.



ABUTMENT PLAN

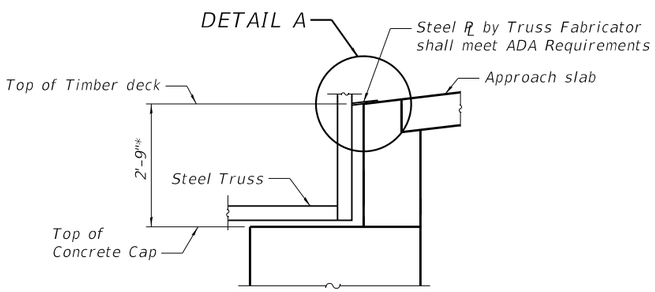
ASSUMED TRUSS LOADS

		P (lbs)	H (lbs)	L (lbs)
Dead Load		33,000		
Uniform Live Load		27,000		
Vehicle Load		5,000		
Wind Uplift 20 psf	Windward	-10,200		
	Leeward	-3,400		
Wind		±6,560	15,050	
Thermal				4,380

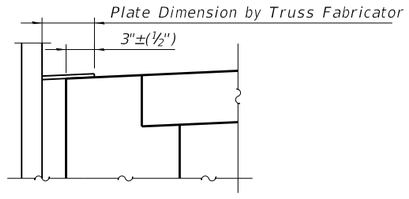
"+" – Downward Load
"–" – Upward Load
"P" – Vertical Load Each Base Plate (4 per Bridge)
"H" – Horizontal Load Each Abutment (2 per Bridge)
"L" – Longitudinal Load Each Base Plate (4 per Bridge)
Loads are unfactored

BILL OF MATERIAL
2 ABUTMENTS

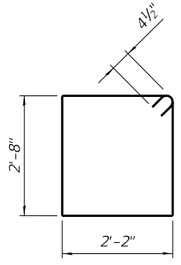
Bar	No.	Size	Length	Shape
p	10	#5	13'-10"	——
p_1	20	#5	19'-10"	——
s	28	#4	10'-5"	□
s_1	20	#4	6'-5"	⌐
v	40	#5	5'-5"	——
v_1	20	#5	4'-9"	——
Structure Excavation		Cu. Yd.	10	
Concrete Structures		Cu. Yd.	13.1	
Reinforcement Bars		Pound	1,160	
Furnishing Steel Piles, HP12x53		Foot	124	
Driving Piles		Foot	124	
Pile Shoes		Each	4	



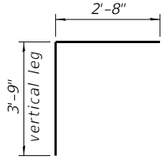
APPROACH DETAIL



DETAIL A



BAR s



BAR s_1

Notes:
1. Hatched area above construction joint to be poured after truss has been erected.
2. Spacing of s Bars at each end of pile cap should be modified to avoid anchor bolts. Size, number, and location of anchor bolts are to be based on the approved shop drawings for the Pedestrian Truss Superstructure.

PILE DATA

Type: Steel Pile, HP12x53
Nominal Required Bearing: 419 kips
Factored Resistance Available: 230 kips
Est. Length: 40' (N. Abut) & 22' (S. Abut)
No. Test Piles: 0
No. Production Piles: 2 at North Abutment
2 at South Abutment

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TWM ENGINEERING GEOSPATIAL SERVICES
TWM, INC. WWW.TWM-INC.COM
IL DESIGN FIRM LICENSE NO: 184-001220

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		CHECKED	- DJH	REVISED	-
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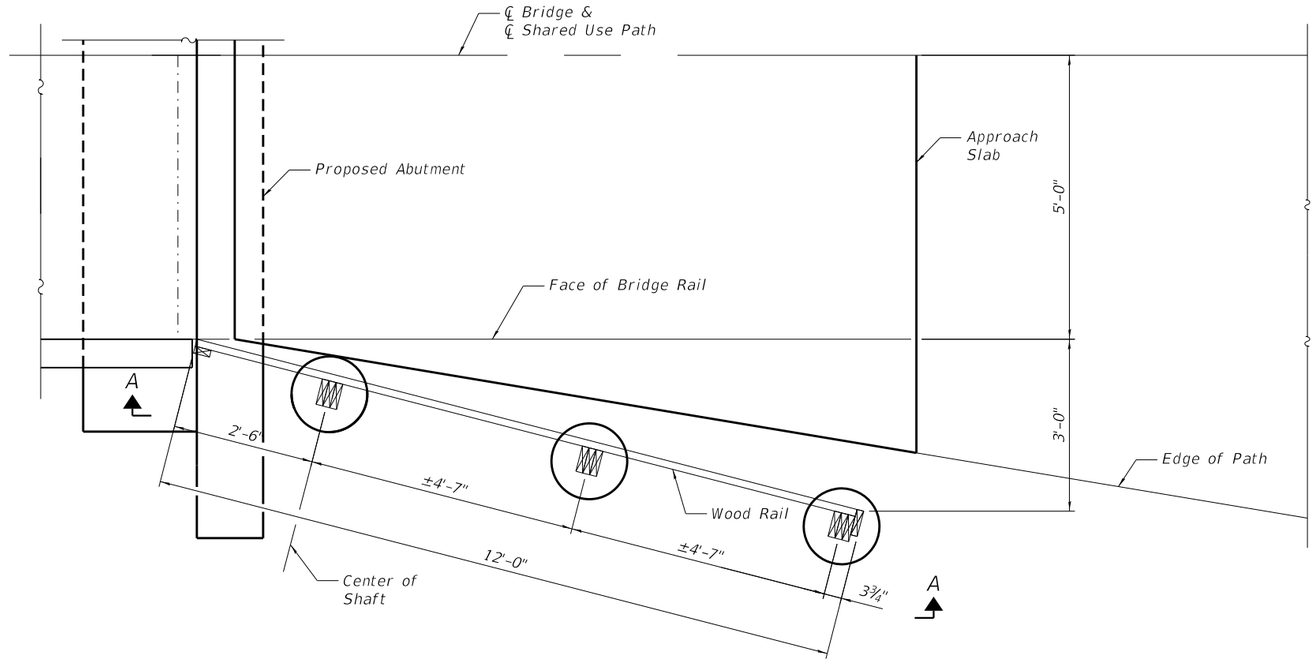
PLOT DATE	= 7/3/2024	CHECKED	- DJH	REVISED	-

CITY OF COLUMBIA

ABUTMENT DETAILS
CREEKSIDE PARK BRIDGE
SHEET 4 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	29
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	

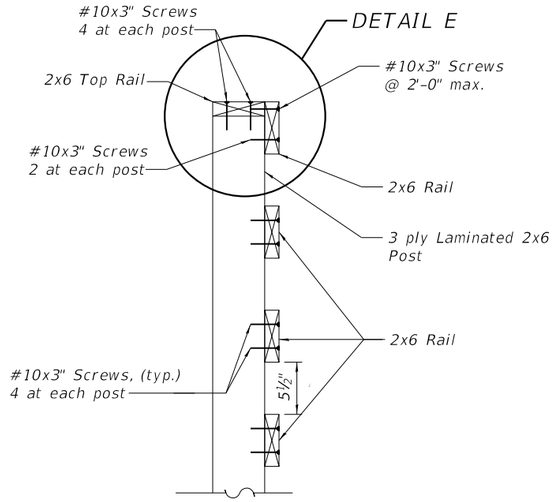


WOOD RAIL PLAN

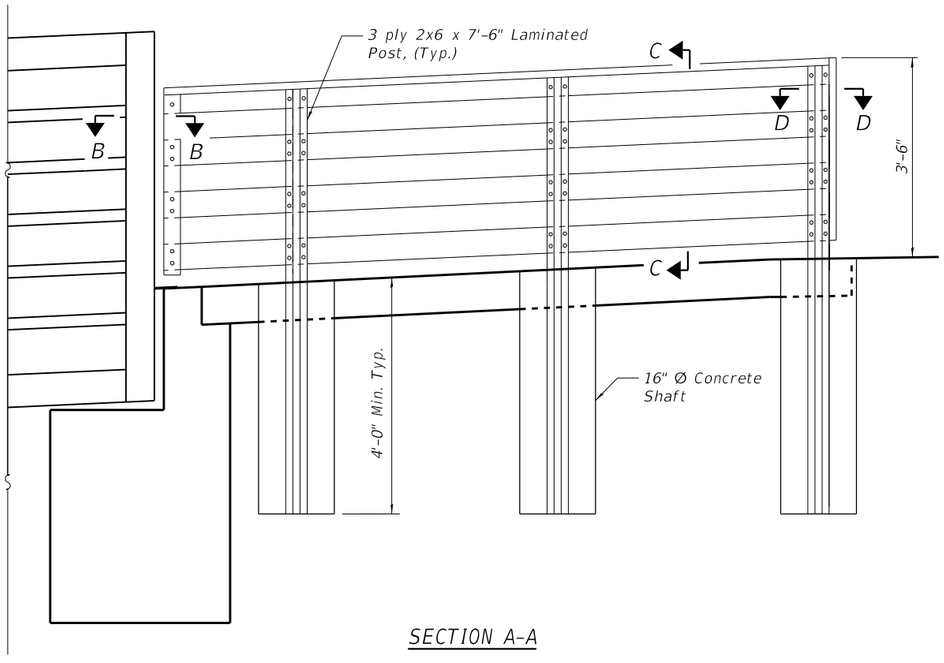
(Top Rail & Sleeper Slab Not Shown for Clarity)
(South West Rail shown, others similar)

NOTES

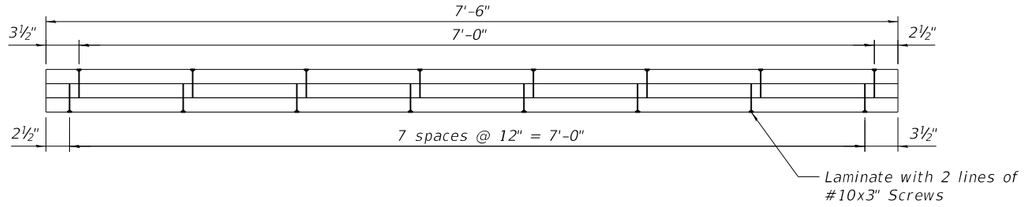
1. Concrete for concrete shafts will not be measured for payment and shall be included in the cost of Wood Rail.



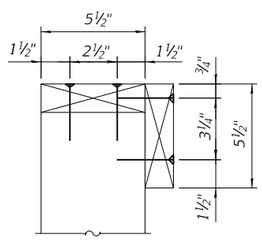
SECTION C-C



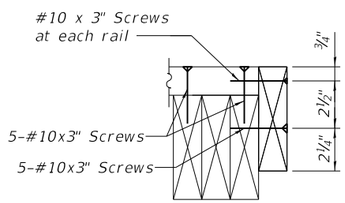
SECTION A-A



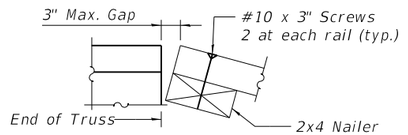
POST LAMINATION DETAIL



DETAIL E



SECTION D-D



SECTION B-B

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TWM ENGINEERING & GEOSPATIAL SERVICES
TWM, INC.
WWW.TWM-INC.COM
IL DESIGN FIRM LICENSE NO: 184-001220

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		CHECKED	- DJH	REVISED	-
PLOT SCALE	= 0:2.0000 ':" / in.	DRAWN	- NP	REVISED	-
PLOT DATE	= 7/3/2024	CHECKED	- DJH	REVISED	-

CITY OF COLUMBIA

WOOD RAIL DETAILS
CREEKSIDE PARK BRIDGE
SHEET 5 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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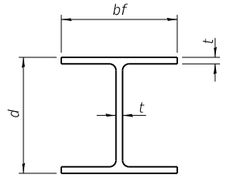
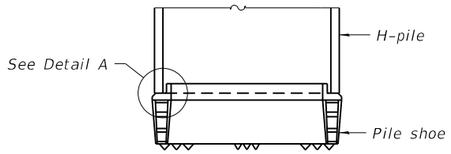
		CONTRACT NO. 97880		
	ILLINOIS FED. AID PROJECT			

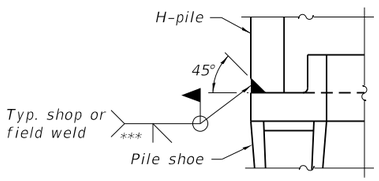


STEEL PILE TABLE

Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14¼"	14⅞"	13/16"	30"
x102	14"	14¾"	11/16"	30"
x89	13⅞"	14¾"	⅝"	30"
x73	13⅝"	14⅝"	½"	30"
HP 12x84	12¼"	12¼"	11/16"	24"
x74	12⅛"	12¼"	⅝"	24"
x63	12"	12⅛"	½"	24"
x53	11¾"	12"	7/16"	24"
HP 10x57	10"	10¼"	9/16"	24"
x42	9¾"	10⅛"	7/16"	24"
HP 8x36	8"	8⅛"	7/16"	18"



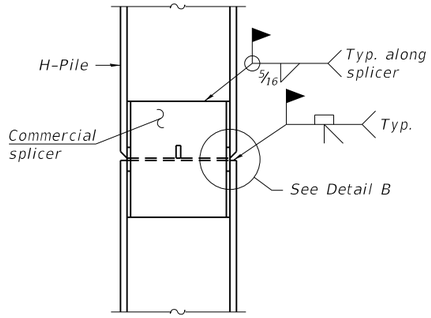
ELEVATION



DETAIL A

SHOE ATTACHMENT

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.



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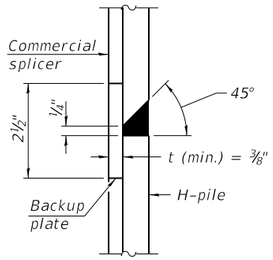
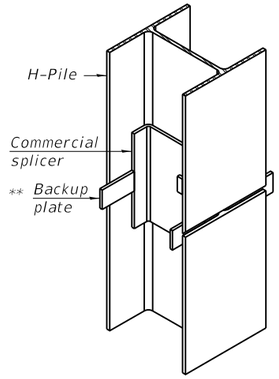
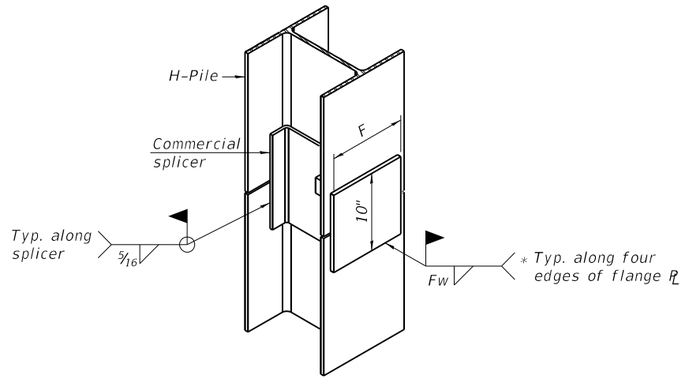


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



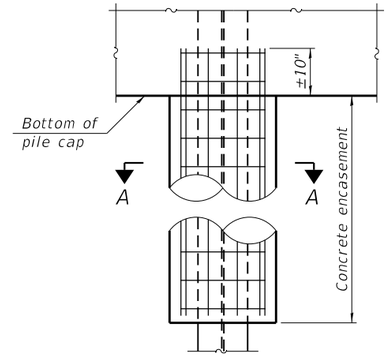
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

* Interrupt welds ¼" from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

*** Weld size per pile shoe manufacturer (5/16" min.).



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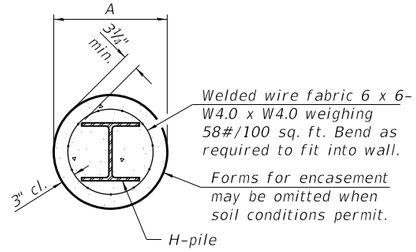
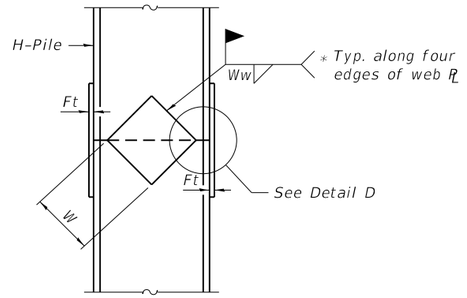


SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT

(when specified)



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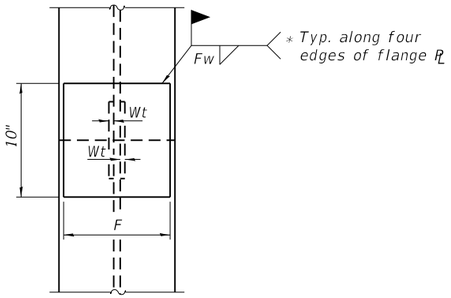
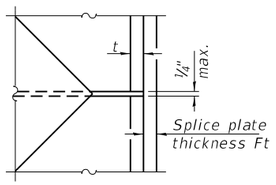


END VIEW



DETAIL D

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12½"	1"	⅞"	7¾"	⅝"	½"
x102	12½"	⅞"	¾"	7¾"	⅝"	½"
x89	12½"	¾"	11/16"	7¾"	⅝"	½"
x73	12½"	⅝"	9/16"	7¾"	⅝"	½"
HP 12x84	10"	⅞"	11/16"	6½"	⅝"	½"
x74	10"	⅞"	11/16"	6½"	⅝"	½"
x63	10"	⅝"	½"	6½"	½"	⅜"
x53	10"	⅜"	½"	6½"	½"	⅜"
HP 10x57	8"	¾"	9/16"	5¼"	½"	⅜"
x42	8"	⅝"	9/16"	5¼"	½"	⅜"
HP 8x36	7"	⅝"	7/16"	4¼"	½"	⅜"

WELDED PLATE FIELD SPLICE

F-HP 2-1-2023

Millennia Professional Services of Illinois, Ltd.
11 Executive Drive Suite 12
Fairview Heights, Illinois 62208
Telephone: 618-624-8610
Fax: 618-624-8611

BORING NUMBER B-3

CLIENT Columbia
PROJECT NAME Creekside Park
PROJECT NUMBER ME19021
PROJECT LOCATION Columbia, IL
DATE STARTED 5/17/19 COMPLETED 5/17/19
GROUND ELEVATION 437.2 ft HOLE SIZE inches
DRILLING CONTRACTOR Geo Drill, Inc
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
▽ AT TIME OF DRILLING 13.00 ft / Elev 424.20 ft
LOGGED BY J. Schaeffer CHECKED BY J. Kottemann
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Brown to black, lean CLAY (CL)										
			SS 1	100	2-1-1 (2)	0.25		28				
		-gray below 3.0 ft.										
5			SS 2	100	0-0-0 (0)			27				
			ST 3	100		1.0	95	28				
10		Gray, fat CLAY (CH)	SS 4	100	0-0-2 (2)	0.25		37				
		Gray, lean CLAY (CL)										
		▽	ST 5	100		1.75	85	36				
15												
		Gray, fat CLAY (CH), with silt seams	SS 6	100	0-0-5 (5)	1.75		36				
20												
		Gray, lean CLAY (CL)	SS 7	100	0-1-2 (3)	1.0		22				
25												
30		Brown, gray and maroon, clayey SHALE	SS 8	78	4-8-9 (17)	4.5		22				
		Gray and purple, SHALE										
35			SS 9	100	17-16-24 (40)	4.5		18				

Bottom of borehole at 35.0 feet.

Millennia Professional Services of Illinois, Ltd.
11 Executive Drive Suite 12
Fairview Heights, Illinois 62208
Telephone: 618-624-8610
Fax: 618-624-8611

BORING NUMBER B-4

CLIENT Columbia
PROJECT NAME Creekside Park
PROJECT NUMBER ME19021
PROJECT LOCATION Columbia, IL
DATE STARTED 5/17/19 COMPLETED 5/17/19
GROUND ELEVATION 450.4 ft HOLE SIZE inches
DRILLING CONTRACTOR Geo Drill, Inc
GROUND WATER LEVELS:
DRILLING METHOD Hollow Stem Auger
▽ AT TIME OF DRILLING 15.00 ft / Elev 435.40 ft
LOGGED BY J. Schaeffer CHECKED BY J. Kottemann
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (tsf)	DRY UNIT WT. (pcf)	MOISTURE CONTENT (%)	ATTERBERG LIMITS: LIQUID LIMIT	ATTERBERG LIMITS: PLASTIC LIMIT	ATTERBERG LIMITS: PLASTICITY INDEX	FINES CONTENT (%)
0		Brown, lean CLAY (CL), trace limestone pieces										
			SS 1	50	1-1-2 (3)	0.5		26				
5			SS 2	94	1-2-4 (6)	1.5		24				
			ST 3	100		2.0	104	21				
10			SS 4	100	1-2-3 (5)	1.0		25				
		-trace sand below 13.0 ft.										
		▽	ST 5	100		1.5		26				
15												
20		Gray weathered LIMESTONE	SS 6	100	3-42-50 (92)			14				
		Refusal at 20.7 feet.	SS 7	100	50/2"							

Bottom of borehole at 20.7 feet.

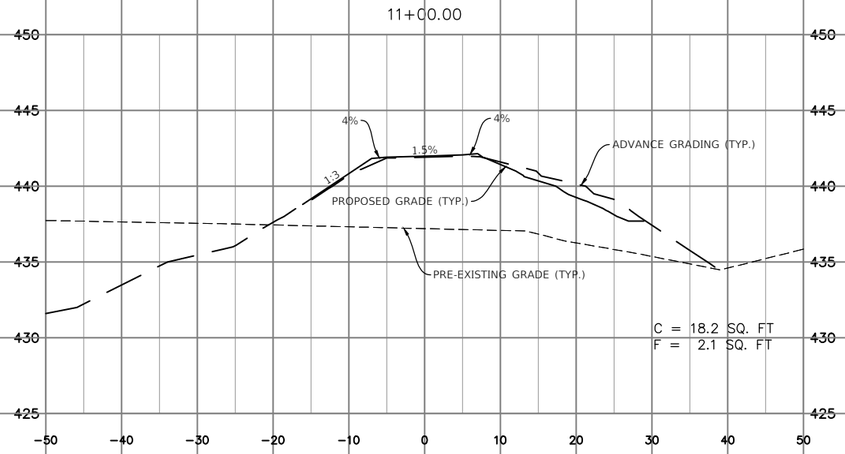
TWM ENGINEERING GEOSPATIAL SERVICES
TWM, INC.
WWW.TWM-INC.COM
IL DESIGN FIRM LICENSE NO: 184-001220

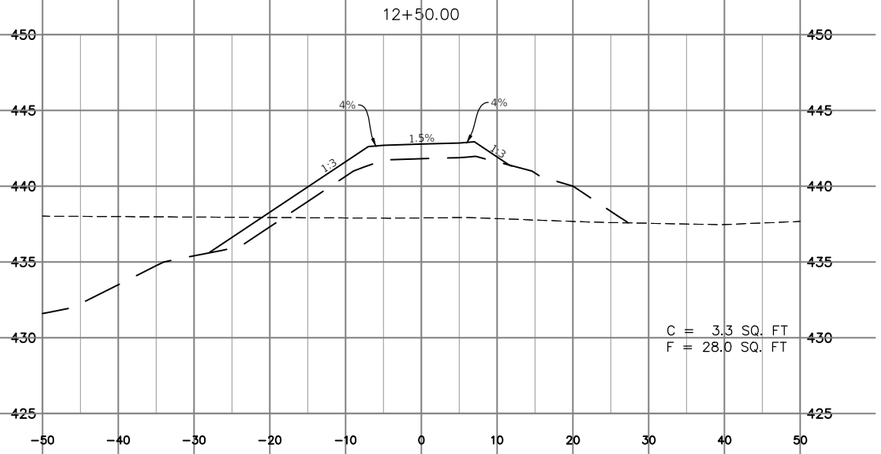
USER NAME = jesker	DESIGNED - NP	REVISED -	
	CHECKED - DJH	REVISED -	
PLOT SCALE = 0:2.0000 ':' / in.	DRAWN - NP	REVISED -	
PLOT DATE = 7/3/2024	CHECKED - DJH	REVISED -	

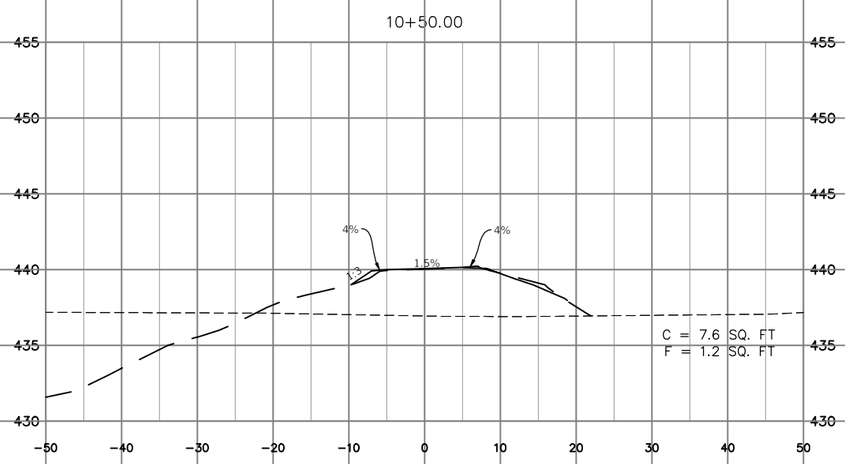
CITY OF COLUMBIA

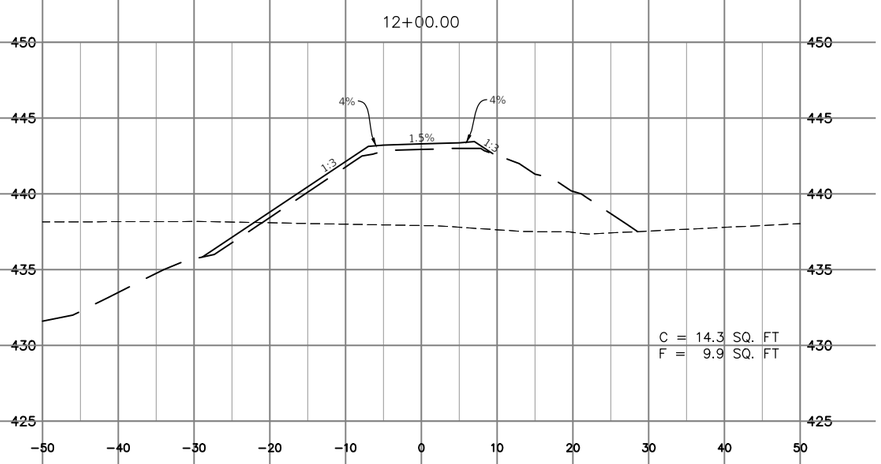
BORING LOGS
CREEKSIDE PARK BRIDGE
SHEET 7 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	32
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	









SCALE
HORIZ. 1"=10'
VERT. 1"=5'

MODEL: Default
FILE NAME: P:\2019\ME19021 Columbia - Creekside Park

MILLENNIA PROFESSIONAL SERVICES
www.millennia.pro

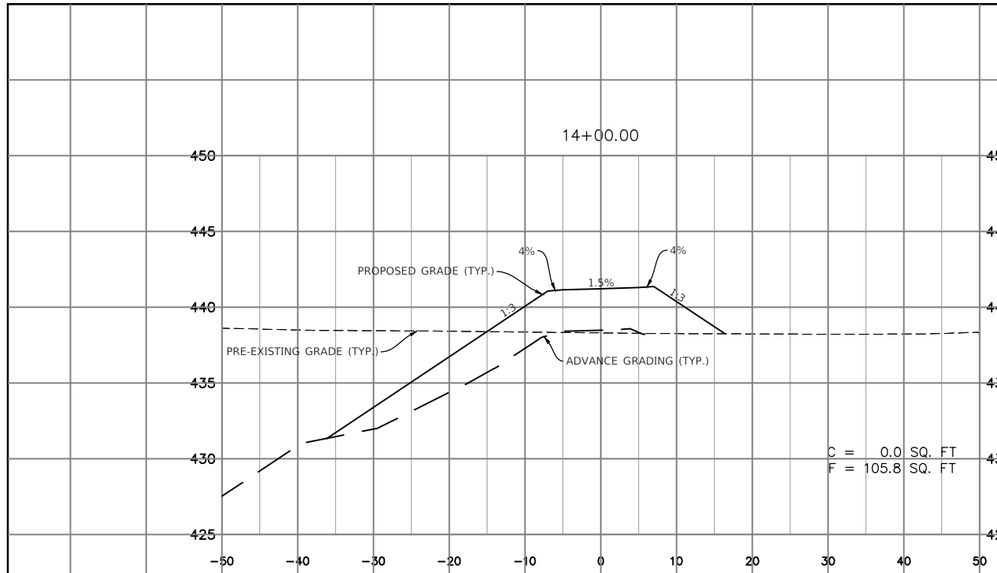
USER NAME = MILLENNIA	DESIGNED - M.J.R.	REVISED -
	DRAWN - T.L./R.O.	REVISED -
PLOT SCALE = SEE PLAN	CHECKED - E.R.O.	REVISED -
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -

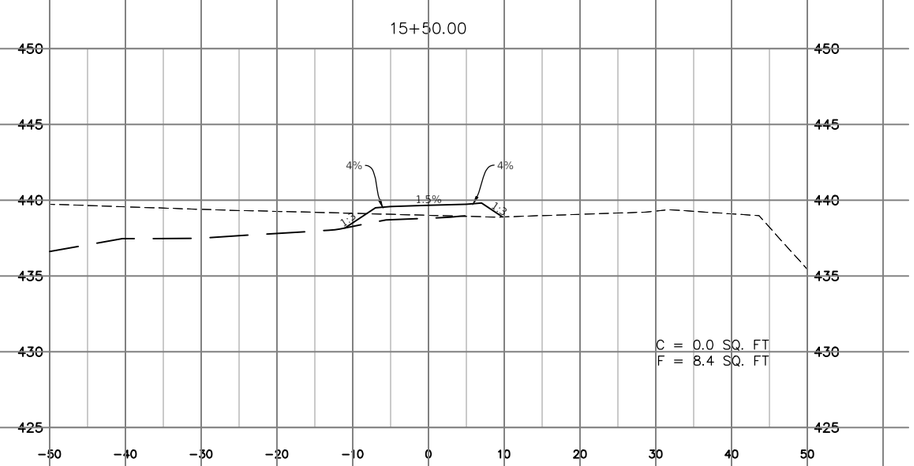
CITY OF COLUMBIA

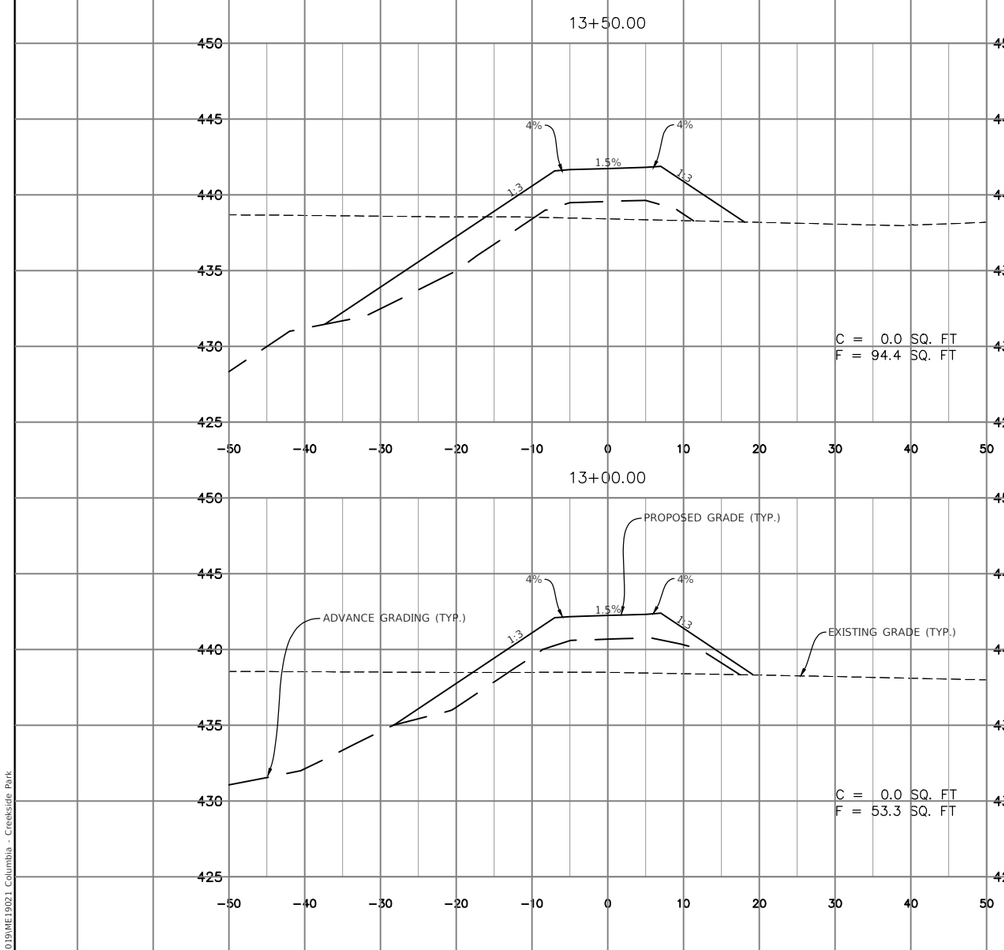
CREEKSIDE PARK CONNECTOR TRAIL
CROSS SECTIONS

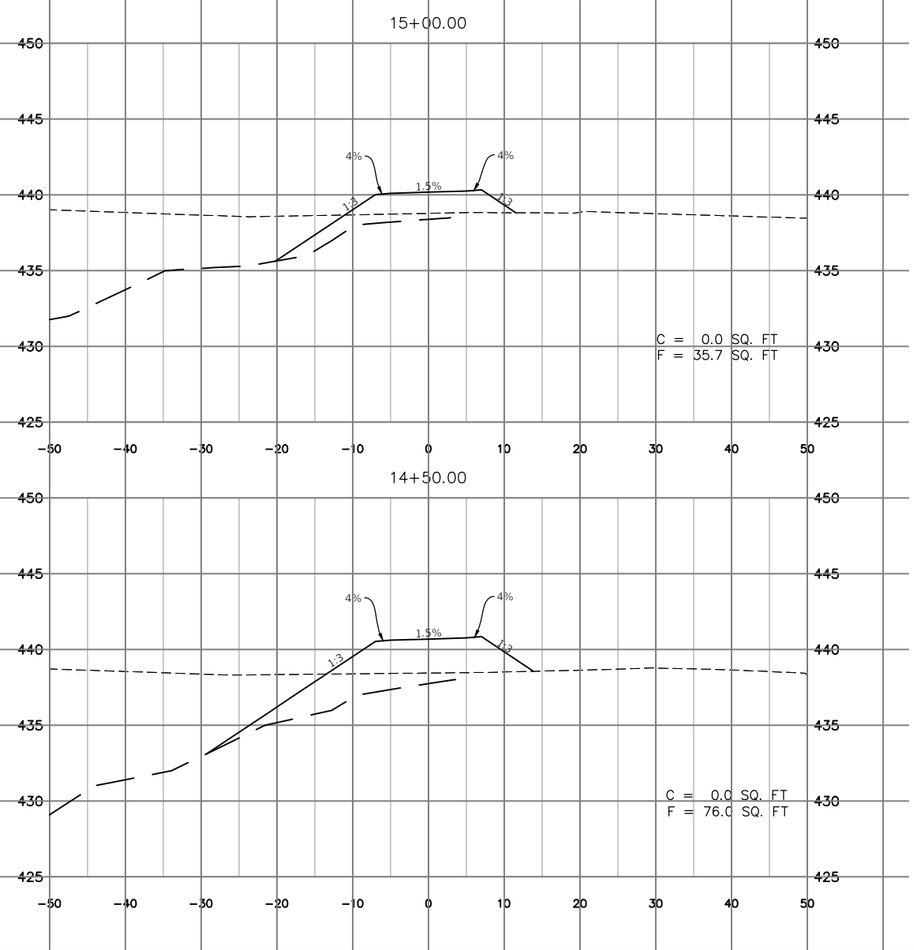
SCALE: | SHEET 1 OF 8 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	33
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	









SCALE
HORIZ. 1"=10'
VERT. 1"=5'

MODEL: Default
FILE NAME: P:\2019\ME19027 Columbia - Creekside Park

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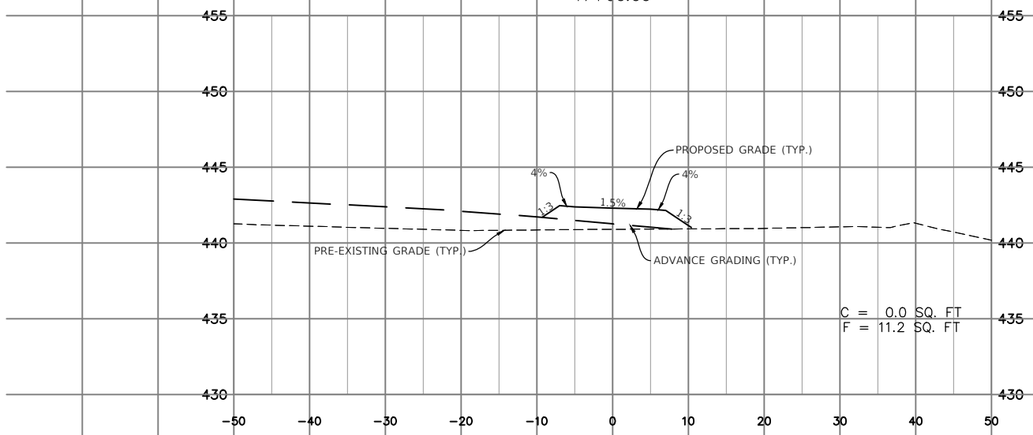
	DRAWN - T.L./R.O.	REVISED -
PLOT SCALE = SEE PLAN	CHECKED - E.R.O.	REVISED -
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -

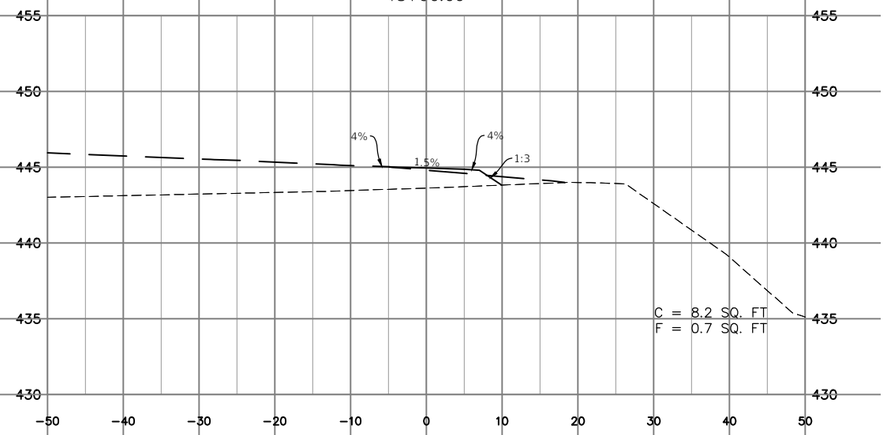
CITY OF COLUMBIA

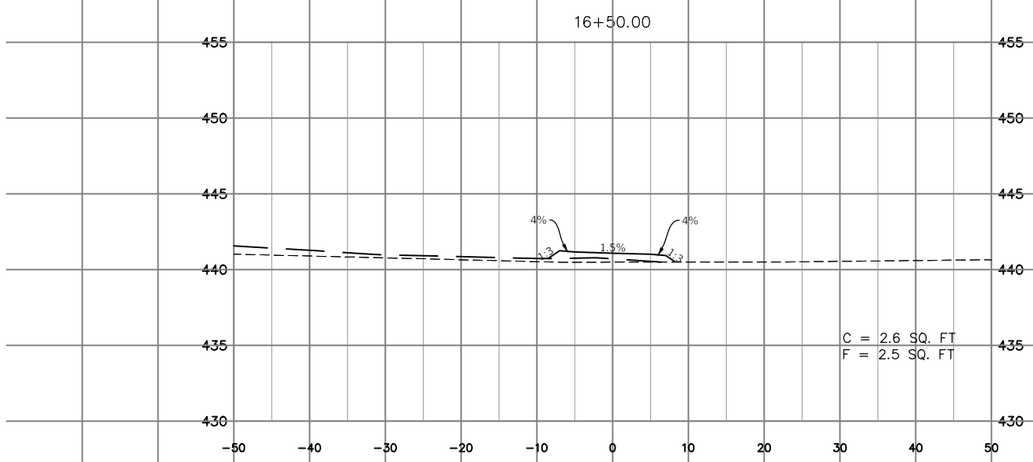
CREEKSIDE PARK CONNECTOR TRAIL
CROSS SECTIONS

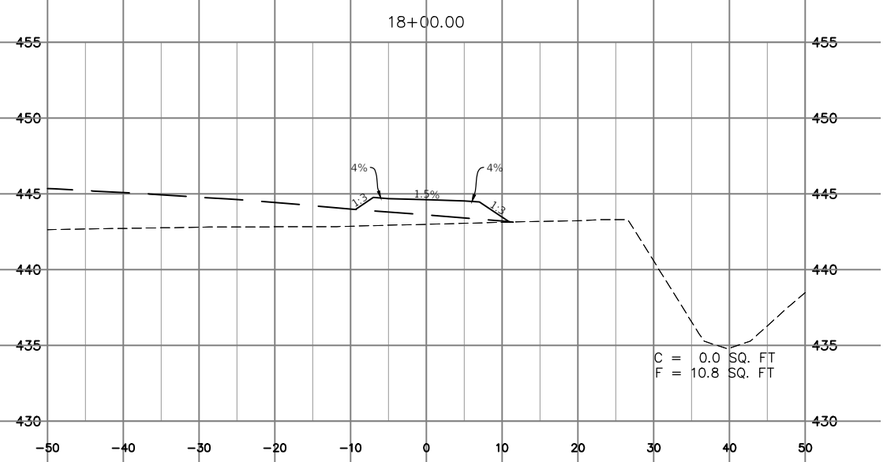
SCALE: | SHEET 2 OF 8 SHEETS | STA. | TO STA.

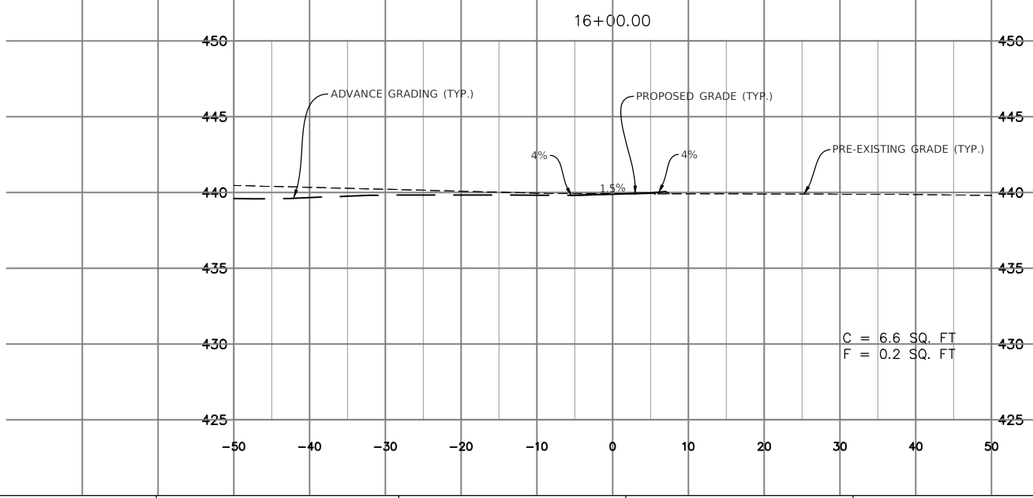
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	34
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	

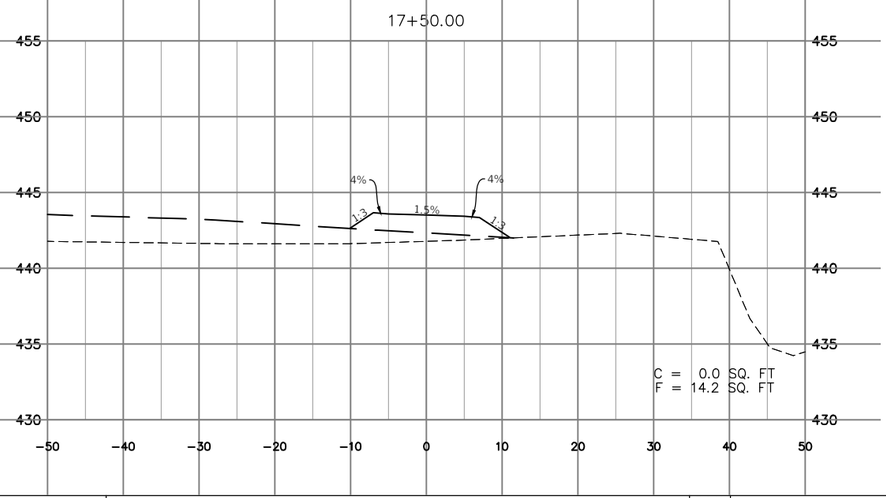












SCALE
HORIZ. 1"=10'
VERT. 1"=5'

MODEL: Default
FILE NAME: P:\2019\ME19021 Columbia - Creekside Park

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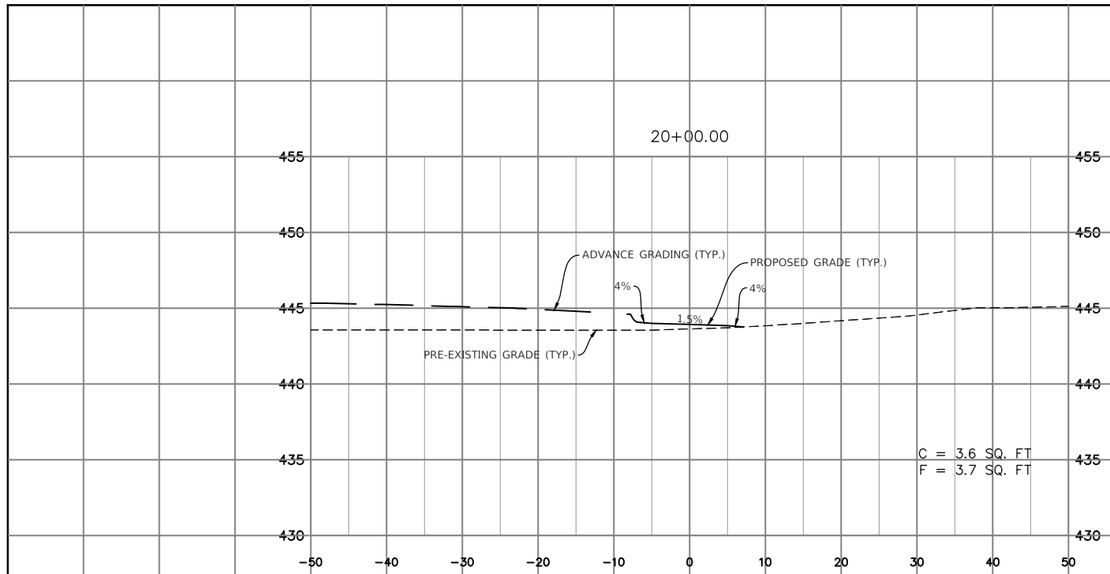
	DRAWN - T.L./R.O.	REVISED -
PLOT SCALE = SEE PLAN	CHECKED - E.R.O.	REVISED -
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -

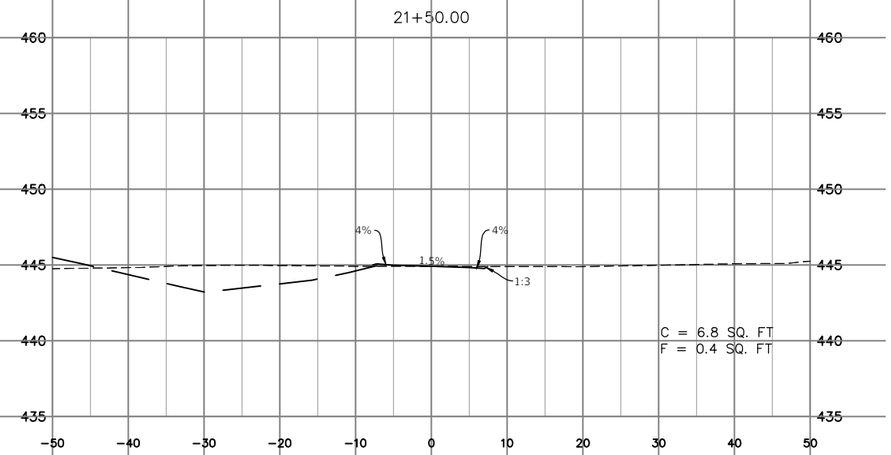
CITY OF COLUMBIA

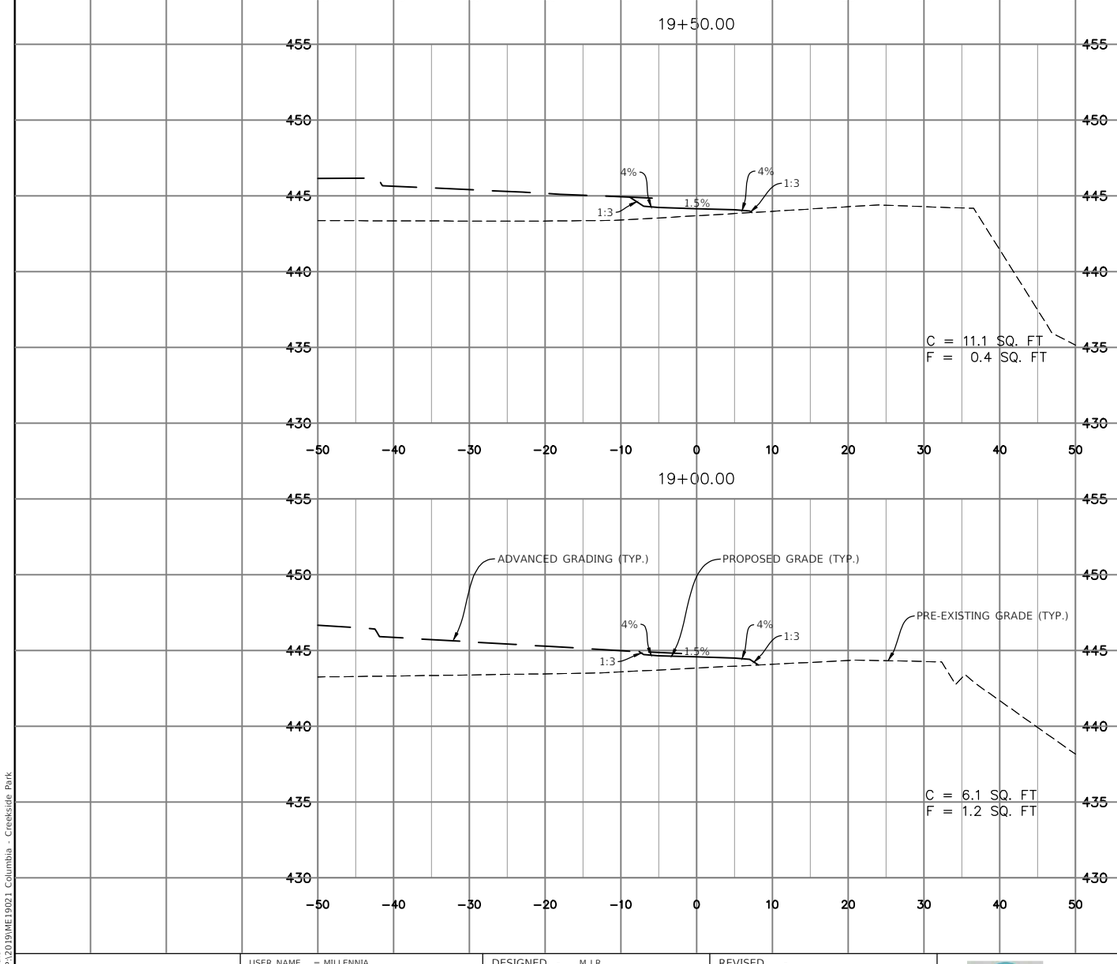
CREEKSIDE PARK CONNECTOR TRAIL
CROSS SECTIONS

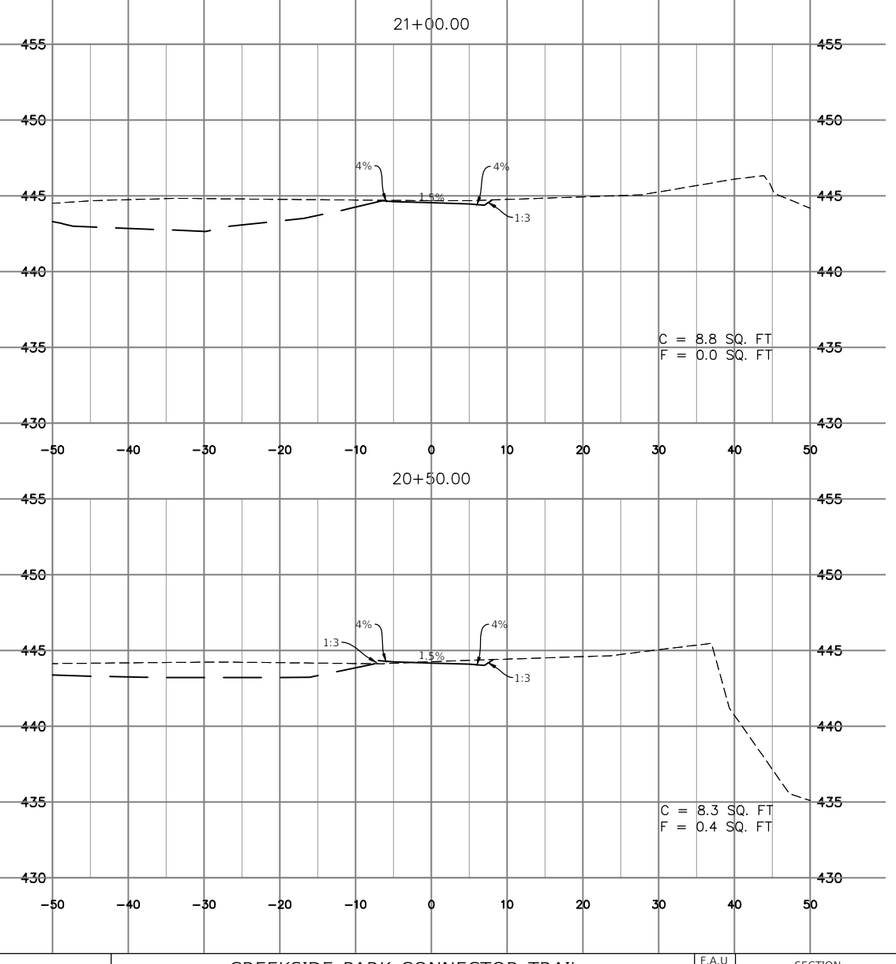
SCALE: | SHEET 3 OF 8 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	35
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	









SCALE
HORIZ. 1"=10'
VERT. 1"=5'

MODEL: Default
FILE NAME: P:\2019\ME19021 Columbia - Creekside Park

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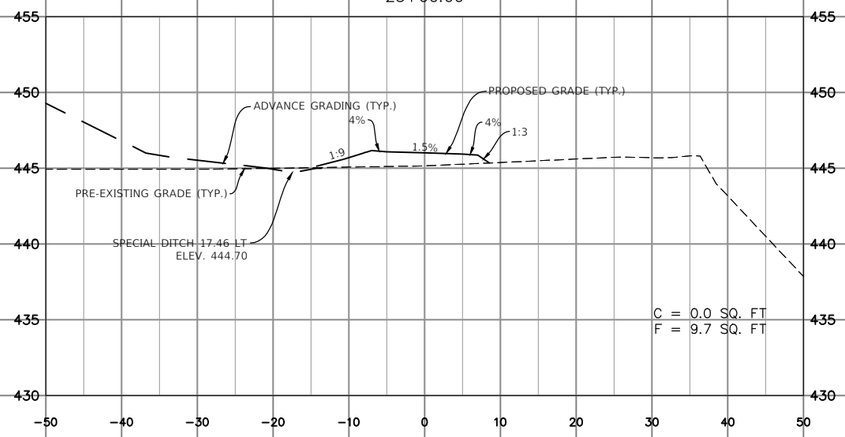
	DRAWN - T.L./R.O.	REVISED -
PLOT SCALE = SEE PLAN	CHECKED - E.R.O.	REVISED -
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -

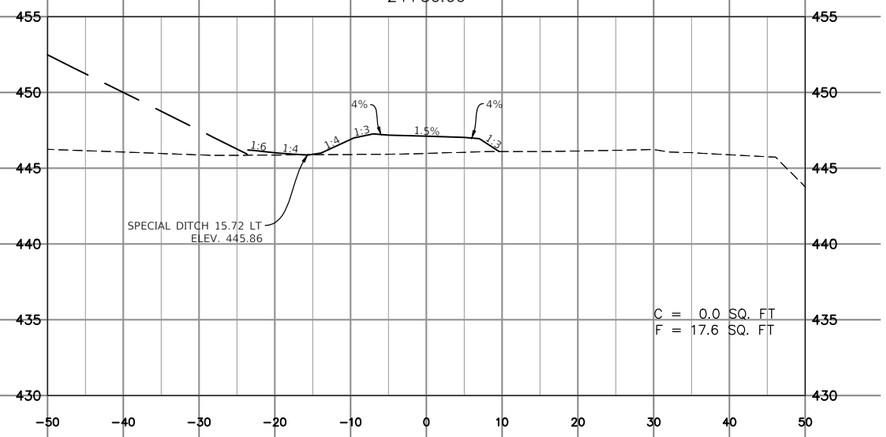
CITY OF COLUMBIA

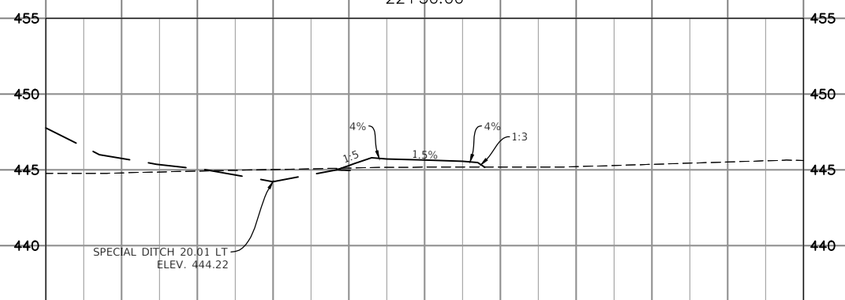
CREEKSIDE PARK CONNECTOR TRAIL
CROSS SECTIONS

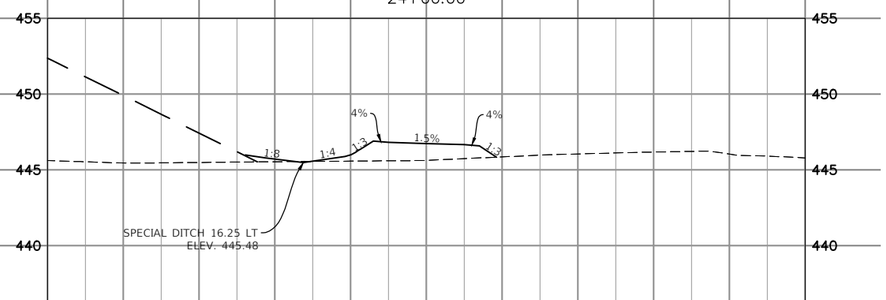
SCALE: | SHEET 4 OF 8 SHEETS | STA. | TO STA.

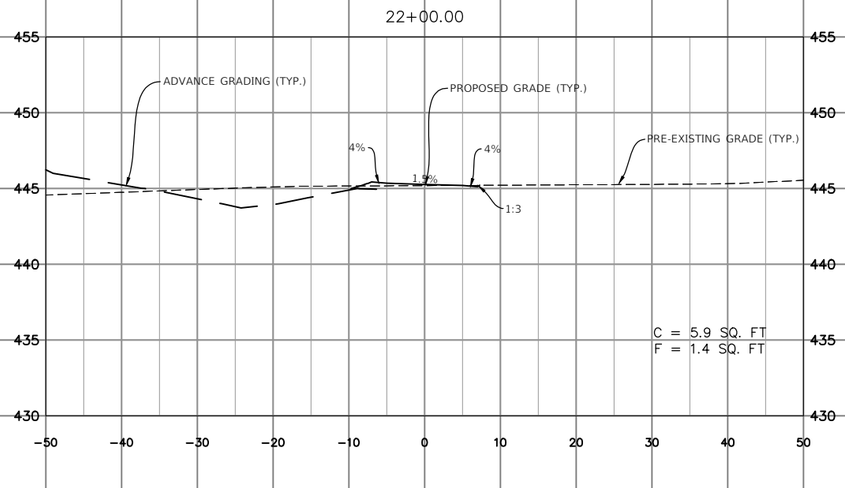
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	36
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	

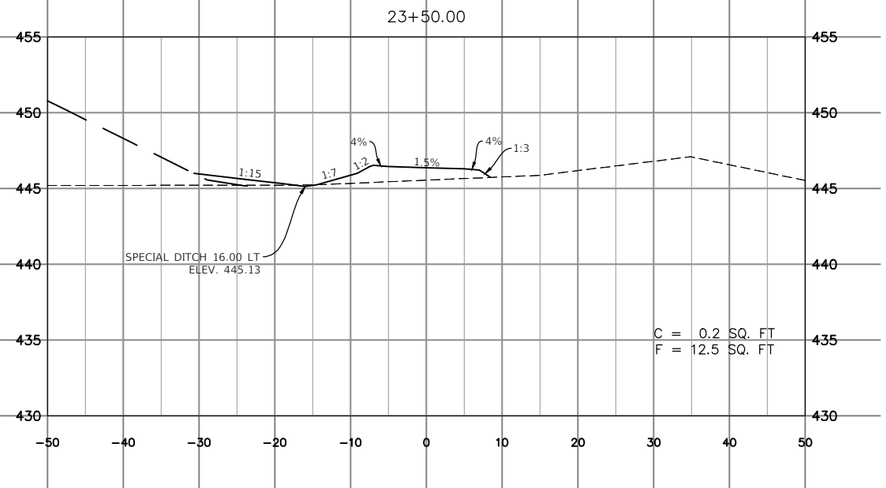












SCALE
HORIZ. 1"=10'
VERT. 1"=5'

MODEL: Default
FILE NAME: P:\2019ME\19021 Columbia - Creekside Park

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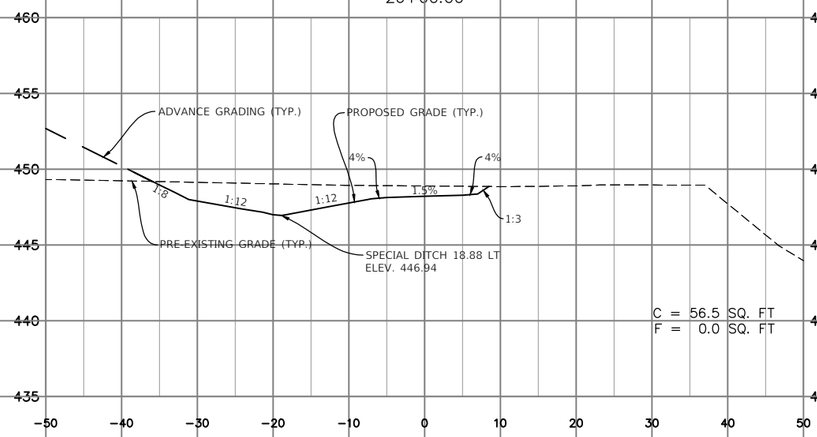
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -

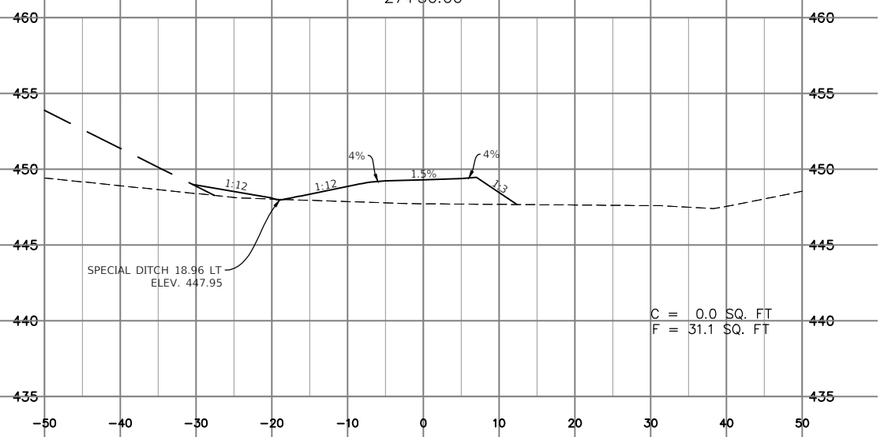
CITY OF COLUMBIA

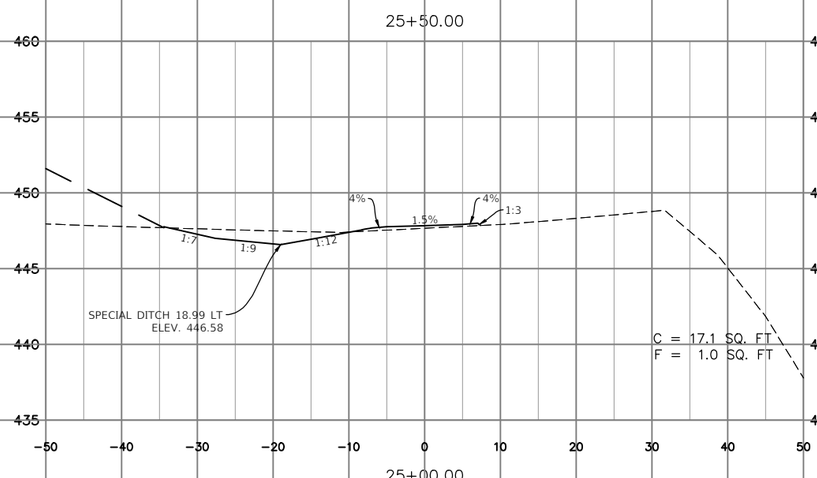
CREEKSIDE PARK CONNECTOR TRAIL
CROSS SECTIONS

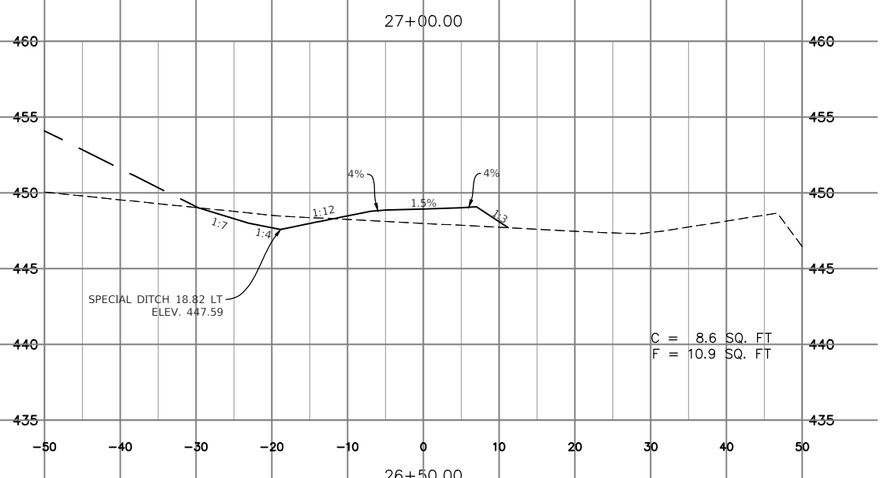
SCALE: | SHEET 5 OF 8 SHEETS | STA. | TO STA.

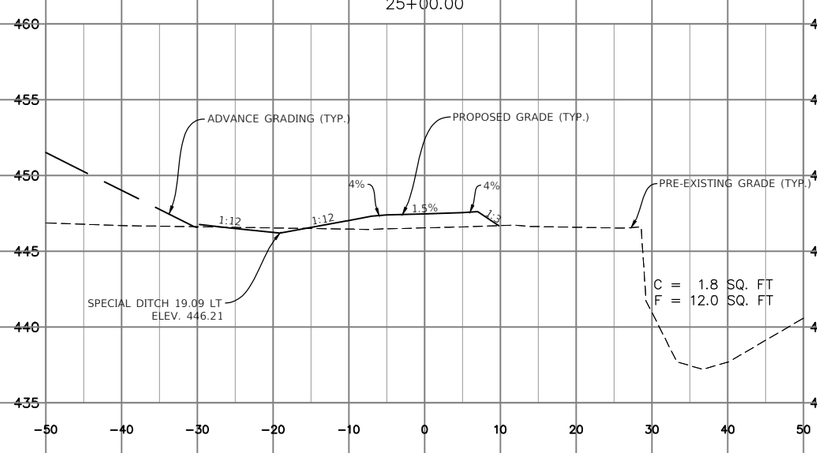
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	37
		CONTRACT NO. 97880		
	ILLINOIS FED. AID PROJECT			

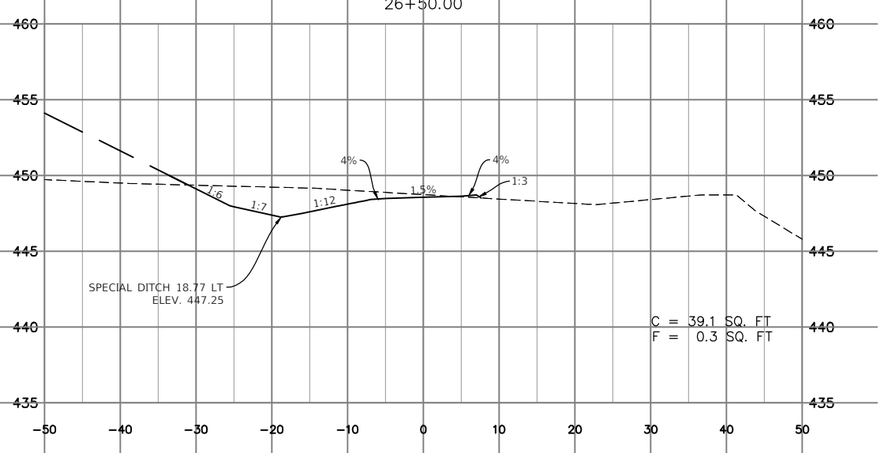












SCALE
HORIZ. 1"=10'
VERT. 1"=5'

MODEL: Default
FILE NAME: P:\2019\ME19021 Columbia - Creekside Park

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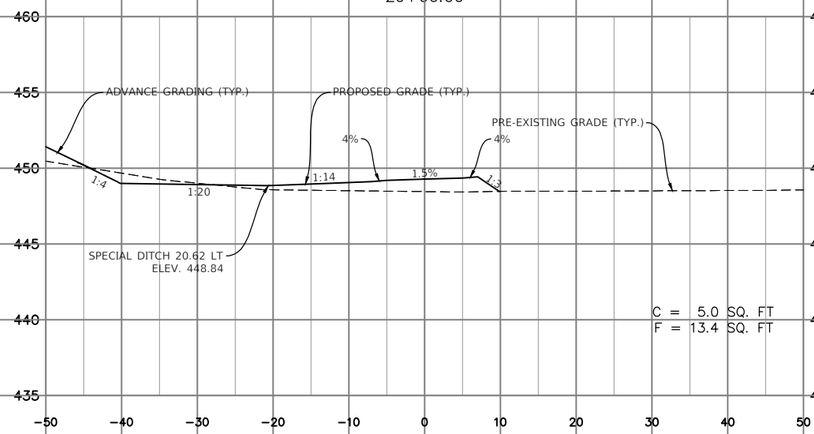
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -

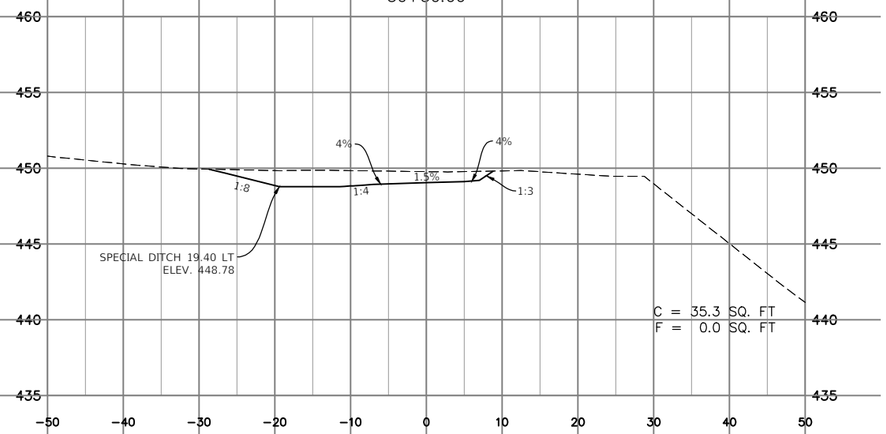
CITY OF COLUMBIA

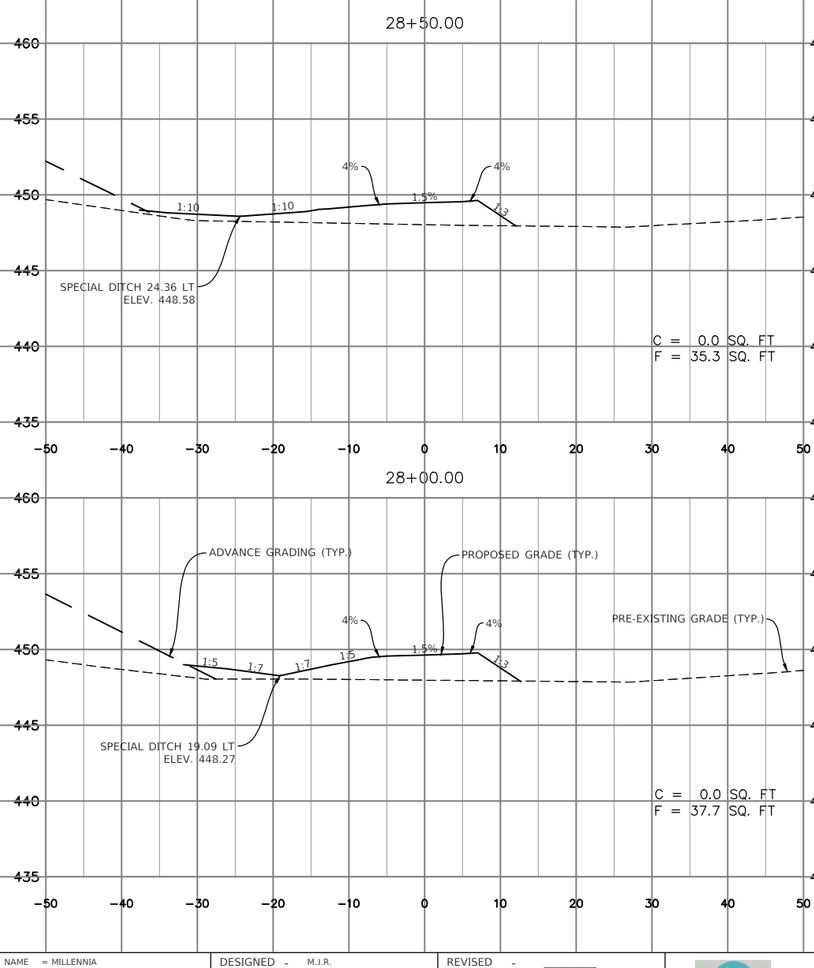
CREEKSIDE PARK CONNECTOR TRAIL
CROSS SECTIONS

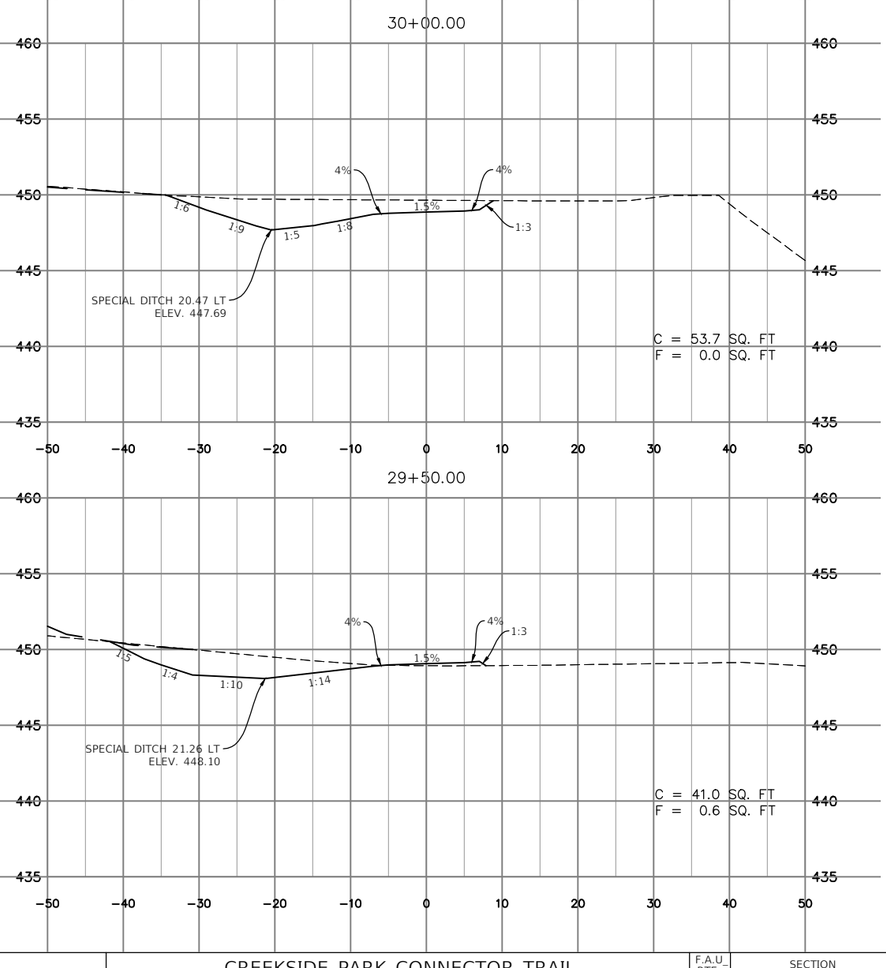
SCALE: | SHEET 6 OF 8 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	38
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	









SCALE
HORIZ. 1"=10'
VERT. 1"=5'

MODEL: Default
FILE NAME: P:\2019\ME19021 Columbia - Creekside Park

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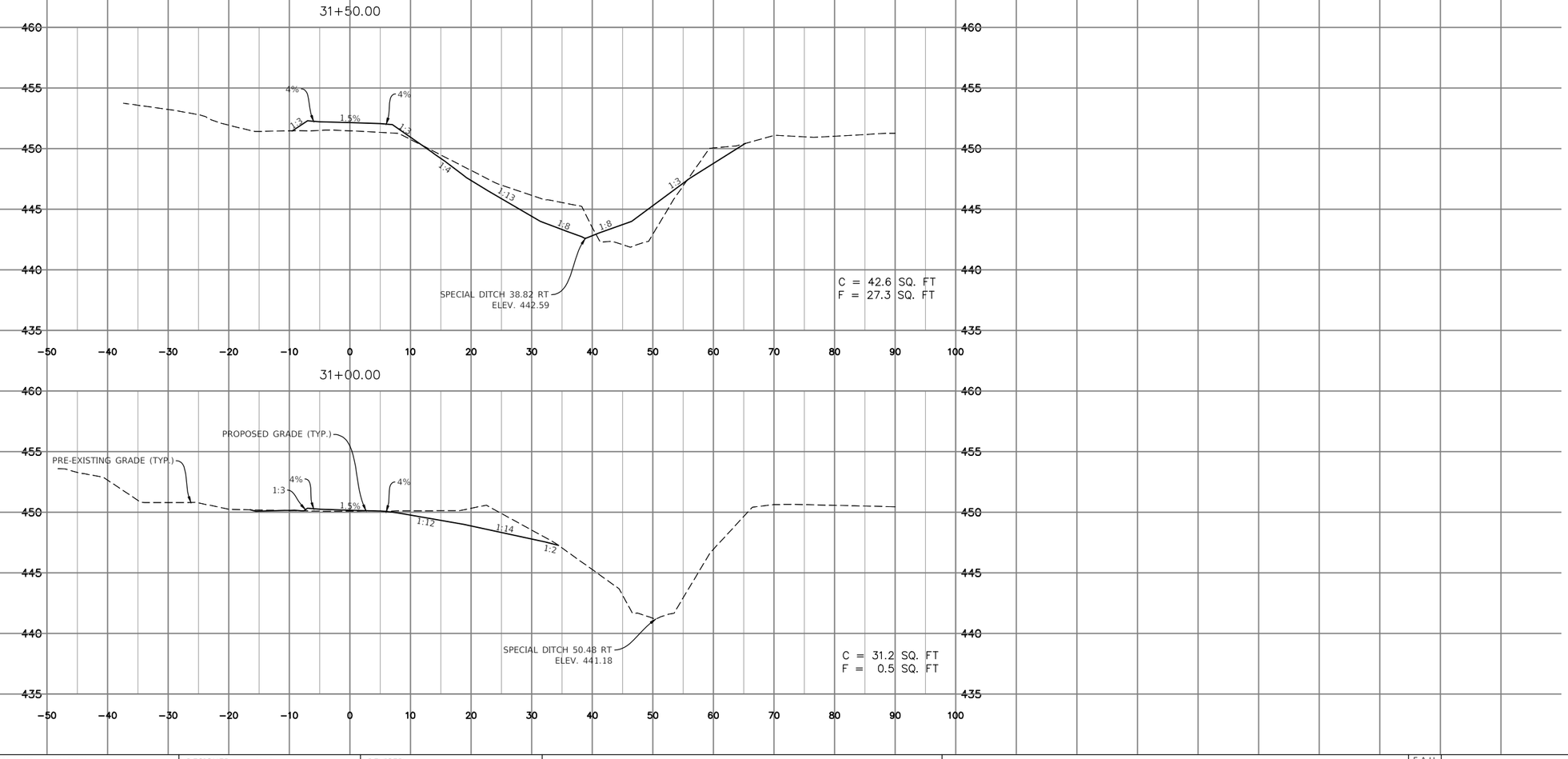
	DRAWN - T.L./R.O.	REVISED -
PLOT SCALE = SEE PLAN	CHECKED - E.R.O.	REVISED -
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -

CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
CROSS SECTIONS

SCALE: | SHEET 7 OF 8 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	39
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	



SCALE
HORIZ. 1"=10'
VERT. 1"=5'

MODEL: Default
FILE NAME: P:\2019\ME19021 Columbia - Creekside Park

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	DRAWN - T.L./R.O.	REVISED -
PLOT SCALE = SEE PLAN	CHECKED - E.R.O.	REVISED -
PLOT DATE = 8/29/2025	DATE - 8/29/2025	REVISED -

CITY OF COLUMBIA

CREEKSIDE PARK CONNECTOR TRAIL
CROSS SECTIONS

SCALE: | SHEET 8 OF 8 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9303	23-00057-01-BT	MONROE	40	40
		CONTRACT NO. 97880		
		ILLINOIS	FED. AID PROJECT	