

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MUN650	21-00057-00-BT	MONROE	33	1
CONTRACT NO. 9779B				

INDEX OF SHEETS

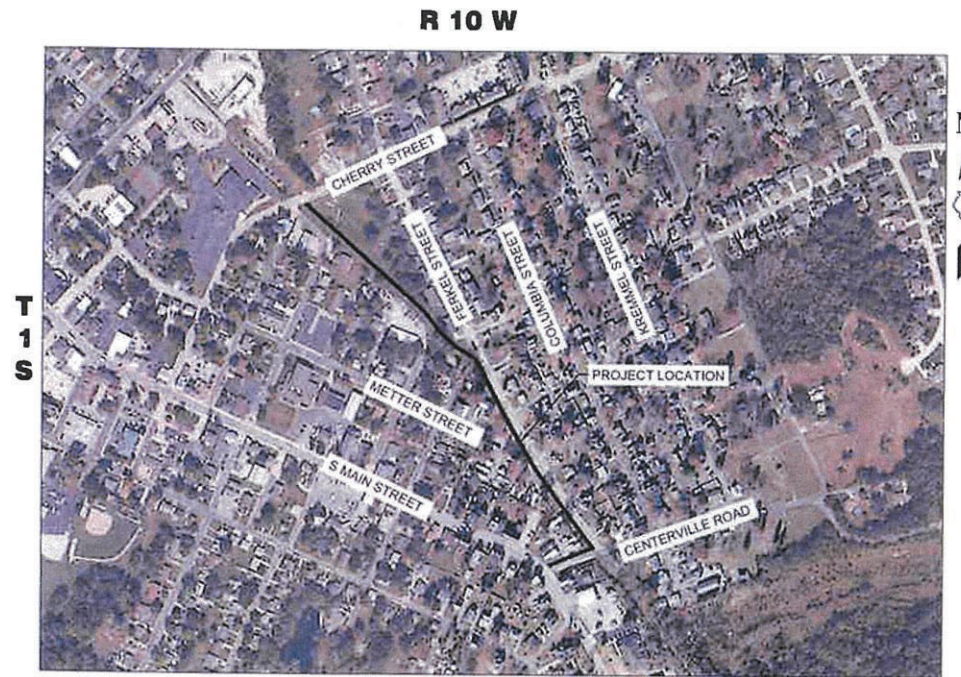
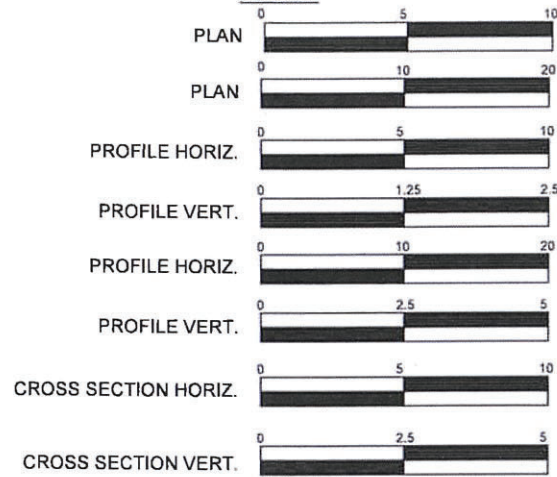
- 1 COVER
- 2 GENERAL NOTES & COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4 EXISTING TYPICAL SECTIONS
- 5 PROPOSED TYPICAL SECTIONS
- 6 - 7 CONSTRUCTION SCHEDULES
- 8 TIE POINTS AND ALIGNMENT TABLE
- 9 - 13 PLAN AND PROFILE
- 14 STORM PROFILES
- 15 - 17 EROSION CONTROL
- 18 - 21 SIDEWALK DETAILS
- 22 - 24 DETAILS
- 25 - 33 CROSS SECTIONS

**PROPOSED
LOCAL AGENCY PLANS**

**GM&O CONNECTOR SHARED USE PATH
SECTION 21-00057-00-BT
PROJECT NO. 60QW(896)
CITY OF COLUMBIA, IL
MONROE COUNTY
JOB NO. C-98-032-23
TAP PROGRAM**



SCALES:



FERKEL STREET
ROADWAY DESIGNATION:
DESIGN SPEED: 25 MPH
CURRENT ADT: 450 VPD

GM&O CONNECTOR TRAIL
PEDESTRIAN GUIDELINES: SHARED USE TRAIL
DESIGN SPEED: 18 MPH
CURRENT ADT: N/A

LOCATION MAP (NTS)

LENGTH OF IMPROVEMENT

GROSS LENGTH - STA. 10+18.30 TO 29+80.53 - 1,962.23 FT.
NET LENGTH - 1,962.23 FT. = 0.372 MI.

PREPARED BY:

gonzalez
GONZALEZ COMPANIES, LLC
525 WEST MAIN STREET
SUITE 125
BELLEVILLE, IL 62220
PHONE: (618) 222-2221
WWW.GONZALEZCOS.COM
ILLINOIS PROFESSIONAL DESIGN FIRM 184 004564



PRIOR TO DIGGING,
CONTRACTOR IS TO CALL J.U.L.I.E.
AT 800.892.0123 OR 811 TO VERIFY LOCATION
AND ELEVATION OF EXISTING
UNDERGROUND UTILITIES

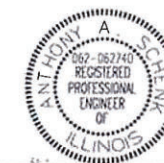
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED: 11/7/22 DATE
[Signature]
MAYOR, CITY OF COLUMBIA

PASSED: 2/6/2023 DATE
[Signature]
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID
BASED ON LIMITED REVIEW: 2/6/2023 DATE
[Signature]
REGION FIVE ENGINEER

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS



[Signature]
Anthony A. Schmitt
11/7/22
Date of Signing
11/30/23
Date of License Expiration

GENERAL NOTES

- 1.) THE PROPOSED EMBANKMENT SHALL BE BENCHED INTO THE EXISTING SLOPES TO THE SATISFACTION OF THE ENGINEER.
- 2.) "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE 48"X48".
- 3.) ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED WITH CLASS 1 SEEDING. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04. AREAS DISTURBED BEYOND THE CONSTRUCTION LIMITS SHALL BE SEEDED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
- 4.) THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 5.) THE COST OF REMOVING AND RELOCATING ALL EXISTING TRAFFIC SIGNS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- 6.) AN ESTIMATED QUANTITY OF 20 TONS OF AGGREGATE FOR TEMPORARY ACCESS HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF MAINTAINING ACCESS TO PRIVATE PROPERTY AND LOCAL TRAFFIC THROUGHOUT CONSTRUCTION OPERATIONS.
- 7.) FACTORS USED FOR APPLICATION RATES AND QUANTITY CALCULATIONS ARE AS FOLLOWS:

PAVING	
ALL HOT-MIX ASPHALT	0.056 TONS/SQ YD/INCH
BITUMINOUS MATERIALS (PRIME COAT)	0.05 LBS/SQ FT (HMA, PCC) 0.25 LBS/SQ FT (AGG) 0.025 LBS/ SQ FT (FOG COAT)
AGGREGATE BASE COURSE	0.0555 TONS/SQ YD/INCH
SEEDING	
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
MULCH	2 TONS/ACRE
TEMPORARY EROSION CONTROL SEEDING	100 LBS/ACRE
- 8.) THE REMOVAL OF ANY CURB/CURB AND GUTTER SHALL ALSO INCLUDE THE DISCONNECTION OF THE EXISTING CURB/CURB AND GUTTER FROM ANY REINFORCEMENT OR COLLATERAL MATERIAL THAT MAY BE PRESENTLY ATTACHED. THERE SHALL NOT BE ANY ADDITIONAL REMUNERATION BUT THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE REMOVAL ITEM.
- 9.) WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE CITY OF COLUMBIA AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER.
- 10.) THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT.
- 11.) BEDDING SHALL BE INCLUDED IN THE COST OF THE PIPE CULVERT/STORM SEWER PAY ITEMS.

- 12.) THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT PRIVATE PROPERTY CONTIGUOUS WITH THE WORK. SPECIFICALLY, THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL LANDSCAPING, TREES AND FENCES WHICH ARE NOT CALLED OUT TO BE REMOVED. ALL PRIVATE PROPERTY THAT IS DAMAGED OR DESTROYED SHALL BE RESTORED TO A CONDITION EQUAL TO THAT EXISTING PRIOR TO DAMAGE ACCORDING TO ARTICLE 107.20 OF THE 'STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION."
- 13.) THE CONTRACTOR SHALL COORDINATE WITH RESIDENTS A MINIMUM OF 48 HOURS PRIOR TO REMOVAL AND REPLACEMENT OF DRIVEWAYS.
- 14.) THE TOP 6 INCHES OF ALL NECESSARY BACKFILL SHALL BE FREE FROM ALL ROCK, ROOT AND FOREIGN DEBRIS.
- 15.) AN ESTIMATED QUANTITY OF 10 FEET FOR LOCATING UNDERGROUND UTILITIES HAS BEEN INCLUDED IN THE PLANS FOR THE PURPOSE OF LOCATING UTILITIES PRIOR TO CONSTRUCTION IN ACCORDANCE WITH THE SPECIAL PROVISIONS. LOCATING UNDERGROUND UTILITIES WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT.

COMMITMENTS:

NONE

UTILITIES

HARRISONVILLE TELEPHONE CO
ATTN: THOMAS SCHRIEBER
213 S. MAIN ST. P.O. BOX 149
WATERLOO, IL 62298
(618)939-9256

CHARTER COMMUNICATIONS (CABLE)
ATTN: CEDRICK GILLESPIE
941 CHARTER COMMONS
TOWN & COUNTRY, MO 63017
(636)387-6633

CITY OF COLUMBIA (WATER/ SEWER)
ATTN: CHRIS SMITH
208 S RAPP AVE
COLUMBIA, IL 62208
(618)281-7144

AMEREN IP (ELECTRIC & GAS)
ATTN: JEBB BALCH
500 EAST BROADWAY
EAST ST. LOUIS, IL 62201
(618)482-2260

EVERSTREAM (FIBER OPTIC)
ATTN: JOHN KLEBE
900 WALNUT ST.
ST. LOUIS, MO 63102
(636)697-2648

APPLICABLE IDOT HIGHWAY STANDARDS:

- 000001-08 - STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
- 280001-07 - TEMPORARY EROSION CONTROL SYSTEMS
- 424001-11 - PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424011-04 - CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 602301-04 - INLET - TYPE A
- 602401-07 - PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER
- 602601-06 - PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 602701-02 - MANHOLE STEPS
- 604001-05 - FRAME AND LIDS TYPE 1
- 604086-05 - FRAME AND GRATE TYPE 23
- 606001-08 - CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701801-06 - SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 - TRAFFIC CONTROL DEVICES
- 720001-01 - SIGN PANEL MOUNTING DETAILS
- 720006-04 - SIGN PANEL ERECTION DETAILS
- 720011-01 - METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
- 729001-01 - APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT	
LOCATION (S):	STA. 10+18.30 TO STA. 29+80.53
MIXTURE USE	SURFACE COURSE
PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDES=30
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL-9.5L
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHT:	112.0 LB/SQ YD/IN.
QUALITY MANAGEMENT PROGRAM	QC/QA
SUBLOT SIZE:	N/A
MATERIAL TRANSFER DEVICE (REQUIRED?)	NO

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ILLINOIS PROFESSIONAL DESIGN FIRM 184.004564

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DRAWN	— JS	REVISED	—
CHECKED	— TS	REVISED	—
DATE	— 2/15/23	REVISED	—

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & COMMITMENTS

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	2

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SUMMARY OF QUANTITIES			
PAY ITEM NO.	PAY ITEM NAME	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU. YD.	1284
20800150	TRENCH BACKFILL	CU. YD.	88
25000100	SEEDING, CLASS 1	ACRE	1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90
25100115	MULCH, METHOD 2	ACRE	1
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100
28000400	PERIMETER EROSION BARRIER	FOOT	1308
28000500	INLET AND PIPE PROTECTION	EACH	5
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ. YD.	1529
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ. YD.	2095
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ. YD.	79
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	20
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	4358
40604090	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5L, MIX "C", N30	TON	325
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ. YD.	79
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ. FT.	1652
42400800	DETECTABLE WARNINGS	SQ. FT.	90
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	88
44000600	SIDEWALK REMOVAL	SQ. FT.	2937
50105220	PIPE CULVERT REMOVAL	FOOT	21
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	29
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	61
550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	50
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1

SUMMARY OF QUANTITIES			
PAY ITEM NO.	PAY ITEM NAME	UNIT	QUANTITY
60255500	MANHOLES TO BE ADJUSTED	EACH	1
60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1
60261530	INLETS TO BE ADJUSTED WITH NEW TYPE 23 FRAME AND GRATE	EACH	1
60500060	REMOVING INLETS	EACH	1
60600605	CONCRETE CURB, TYPE B	FOOT	35
60604400	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18	FOOT	88
67100100	MOBILIZATION	L SUM	1
* 72000100	SIGN PANEL - TYPE 1	SQ. FT.	26
* 72900100	METAL POST - TYPE A	FOOT	74
* 78008250	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12"	FOOT	139
* 78008270	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24"	FOOT	12
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	157
X8030106	LOCATING UNDERGROUND UTILITIES	FOOT	10
* X1400326	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	2
X6024242	INLETS, SPECIAL NO. 1	EACH	1
X7010216	TRAFFIC CONTROL & PROTECTION, (SPECIAL)	L SUM	1
Z0004002	BOLLARDS	EACH	12

*SPECIALTY ITEM



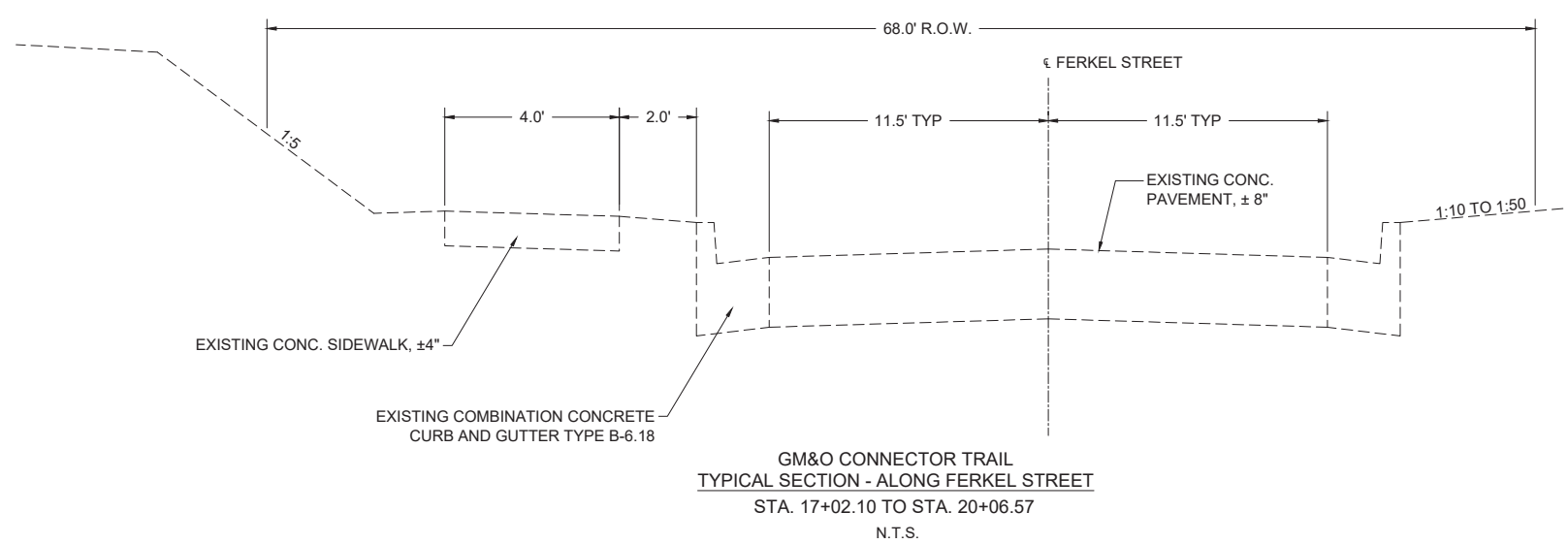
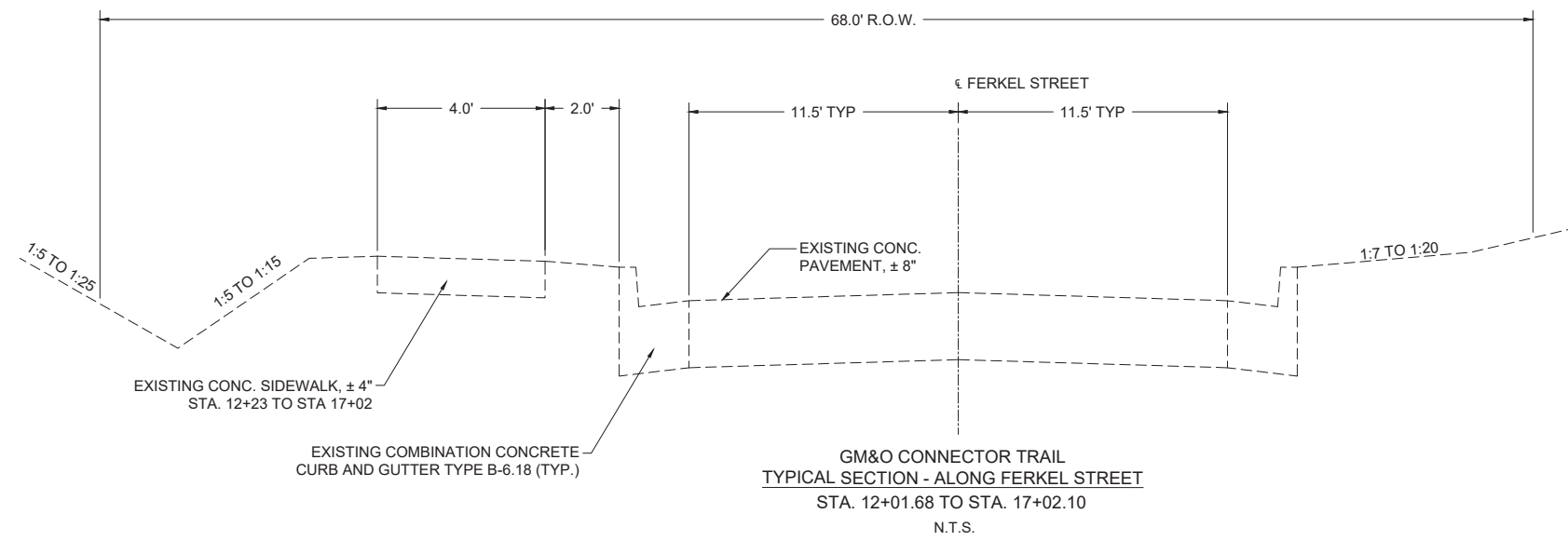
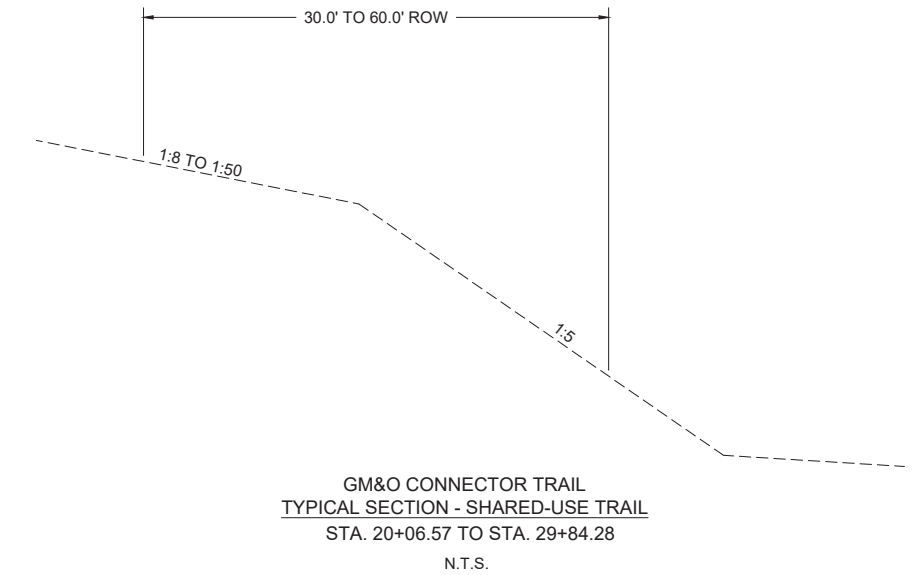
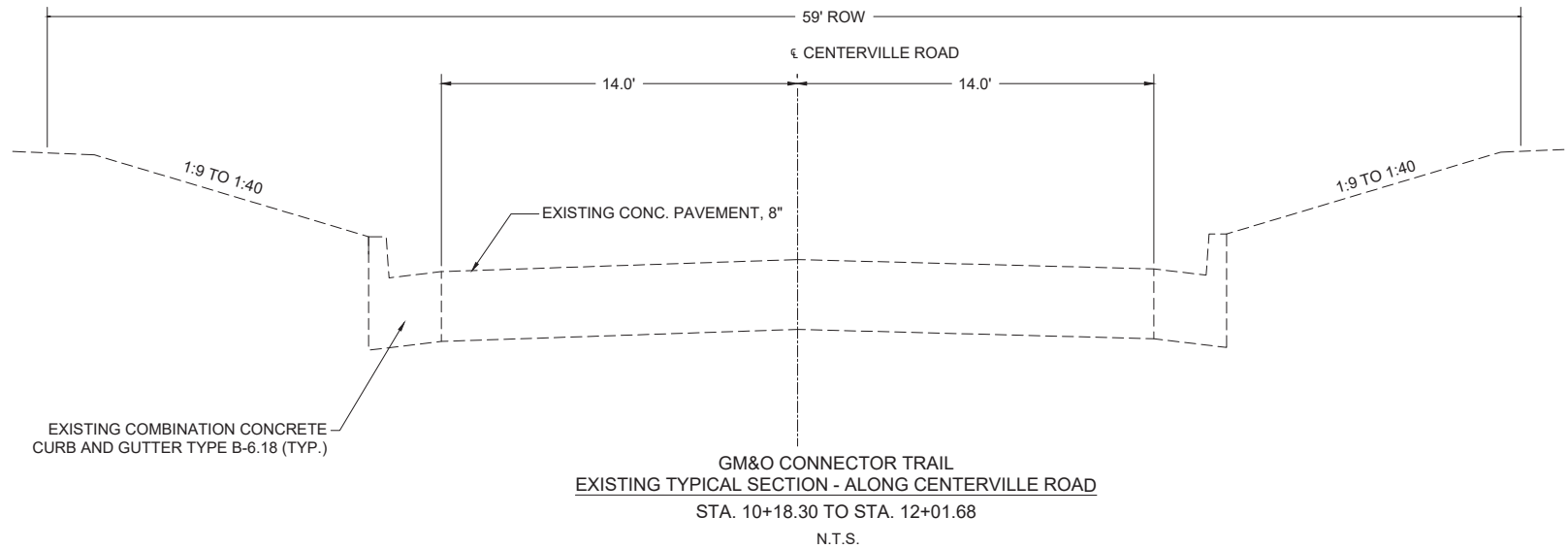
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 PHONE (618) 222-2221
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 ILLINOIS PROFESSIONAL DESIGN FIRM 184-004584

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DRAWN -- JS	REVISED --
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DATE -- 2/15/23	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	3



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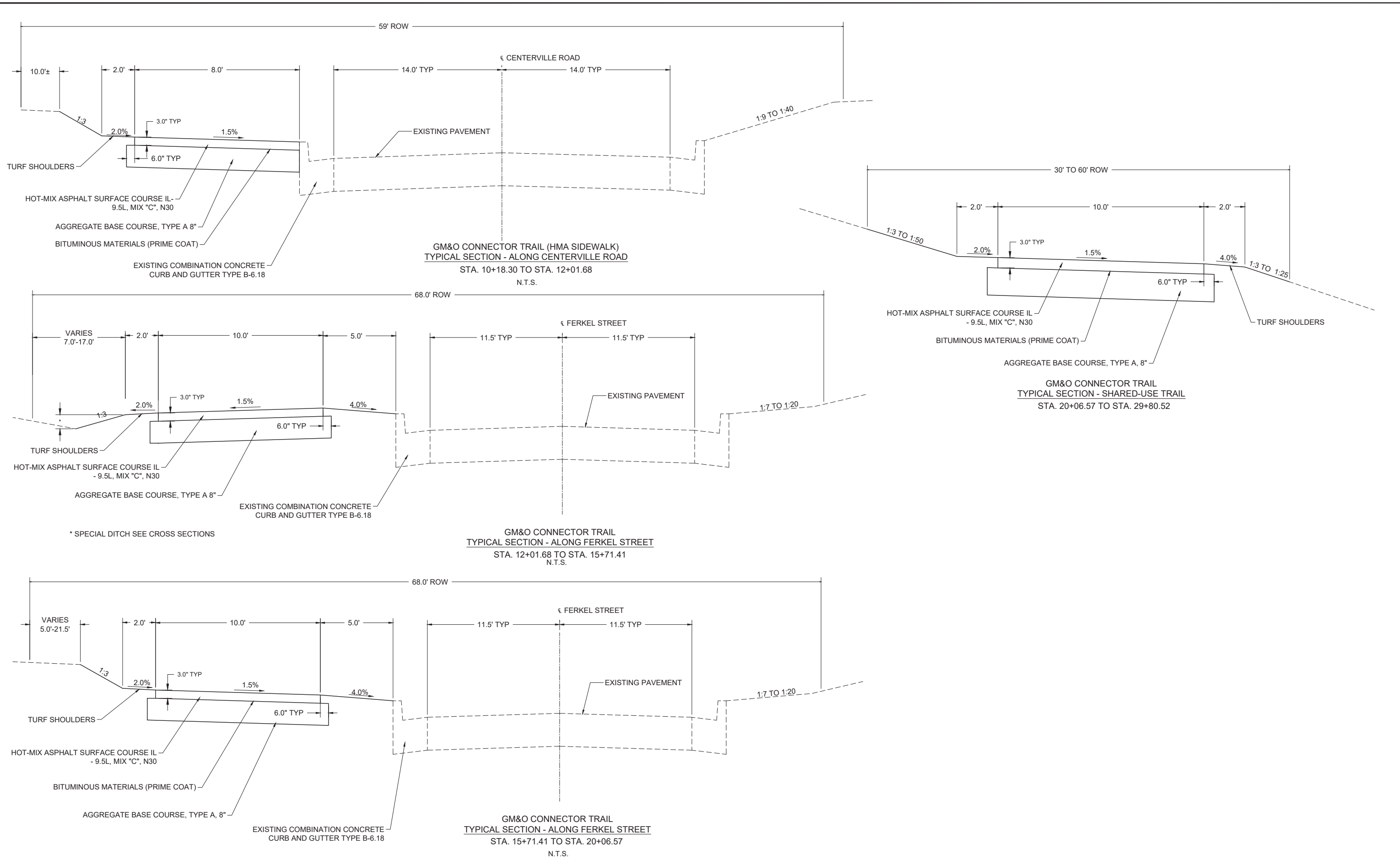
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 DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	4



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	5

STORM SEWER & DRAINAGE STRUCTURE SCHEDULE						
PT	LOCATION STATION / OFFSET	DESCRIPTION	RIM	INVERTS	NORTHING	EASTING
1	15+71.19 15.30'LT.	Inlets, Special No. 1 Opening - Southeast Opening- Northwest	517.68	512.49 NE	646203.4466	2288991.5824
2	22+82.91 19.52'LT.	Manholes, Type A, 4'-Dia., Type 1 Frame, Open Lid	506.85	497.32 N 500.15 SW	646751.9788	2288562.5808
3	24+38.12 16.58'LT.	Inlets, Type A, with Type 1 Frame, Open Lid	505.31	496.54 NE	646861.0858	2288452.1494
EX 1	15+72.96 6.73'RT.	Existing Inlets, Type B, Flat Slab Top and Frame	516.49	512.26 SW	646217.5870	2289008.5680
EX 2	18+75.25 6.30'RT.	Existing Manholes, Type A, 5'-Dia.,	506.98	503.62 SW	646473.5190	2288849.6213
EX 3	18+69.72 22.21'LT.	Existing 4'x4' Concrete Structure	510.34	506.18 NE 506.07 SW	646455.3125	2288826.9944
EX 4	23+11.10 22.27'RT.	Existing Manholes, Type A, 4'-Dia.,	500.17	494.80 S	646801.6810	2288570.9620
EX 5	24+43.59 22.46'RT.	Existing Manholes, Type A, 5'-Dia.,	497.78	494.56 SW	646893.1390	2288475.1010

NOTE:
RIM ELEVATION REFERS TO THE ELEVATION AT THE CENTER OF LID.
STATION/OFFSETS ARE GIVEN TO THE CENTER OF THE DRAINAGE STRUCTURE.
USE PRECAST FLAT SLAB TOP WHEN REQUIRED.
EXISTING STRUCTURES SHOWN IN SCHEDULE TO PROVIDE CONNECTION INFORMATION.

DRAINAGE REMOVAL SCHEDULE			
LOCATION	DESCRIPTION	PIPE CULVERT REMOVAL	REMOVING INLETS
		FOOT	EACH
STA. 18+75	24" CMP	21	
STA. 18+75	EXISTING INLET		1
TOTALS		21	1

TEMPORARY EROSION CONTROL BLANKET SCHEDULE	
LOCATION	TEMPORARY EROSION CONTROL BLANKET
	SQ YD
STA. 12+00 to STA. 15+68	311
STA. 17+24 to STA. 21+16	568
STA. 20+26 to STA. 26+00	650
Total	1529

PERIMETER EROSION BARRIER SCHEDULE	
LOCATION	PERIMETER EROSION BARRIER
	FOOT
STA. 12+12 to STA. 15+85	373
STA. 16+05 to STA. 16+53	48
STA. 17+15 to STA. 26+00	887
Total	1308

CONCRETE CURB AND GUTTER SCHEDULE		
LOCATION	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	CONCRETE CURB, TYPE B
	FOOT	FOOT
STA. 11+82 to STA. 11+85	10	
STA. 11+90 to STA. 12+00	12	
STA. 15+68 to STA. 15+78	10	
STA. 16+50 to STA. 16+66	23	
STA. 17+00 to STA. 17+15	23	
STA. 18+70 to STA. 18+81	10	
STA. 24+23 to STA. 24+53		35
Total	88	35

STORM SEWER SCHEDULE								
PIPE NO.	START PIPE STRUCTURE	END PIPE STRUCTURE	PIPE DESCRIPTION	PIPE LENGTH	UPSTREAM INVERT ELEV.	DOWNSTREAM INVERT ELEV.	PIPE SLOPE	TRENCH BACKFILL
1	1	EX 1	Storm Sewers, Rubber Gasket, Class A, Type 2 - 15"	22'	512.49	512.26	1.00%	15.6 CU. YD.
2	EX 3	EX 2	Storm Sewers, Rubber Gasket, Class A, Type 2 - 12"	29'	506.18	503.62	8.84%	10.5 CU. YD.
3	2	EX 4	Storm Sewers, Rubber Gasket, Class A, Type 2 - 24"	50'	497.32	494.80	5.00%	39.1 CU. YD.
4	3	EX 5	Storm Sewers, Rubber Gasket, Class A, Type 2 - 15"	39'	496.54	494.56	5.00%	22.6 CU. YD.

NOTE:
STORM SEWERS CLASS A SHALL BE REINFORCED CONCRETE PIPE (RCP).
PIPE LENGTHS SHOWN IN SCHEDULE ARE MEASURED CENTER TO CENTER OF STRUCTURE.
PAYMENT SHALL BE ACCORDING TO SECTION 550 OF THE IDOT STANDARD SPECIFICATIONS.

PAVING SCHEDULE					
LOCATION	AGGREGATE BASE COURSE, TYPE A 8"	AGGREGATE BASE COURSE, TYPE B 4"	BITUMINOUS MATERIALS (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5L, MIX "C", N30	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH
	SQ YD	SQ YD	POUND	TON	SQ YD
STA. 10+18 to STA. 10+69	47		99	7	
STA. 10+95 to STA. 11+68	67		141	10	
STA. 12+18 to STA. 15+82	441		902	67	
STA. 16+06 to STA. 16+36			66	5	
STA. 17+19 to STA. 29+81	1540		3151	235	
STA. 10+67 to STA. 10+99		27			27
STA. 15+85 to STA. 16+06		52			52
Total	2095	79	4358	325	79

INLET AND PIPE PROTECTION SCHEDULE	
LOCATION	INLET AND PIPE PROTECTION
	EACH
STA. 15+71	1
STA. 22+83	1
STA. 23+11	1
STA. 24+37	1
STA. 24+44	1
Total	5

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION SCHEDULES

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	6

SIGN SCHEDULE							
LOCATION	LT/RT	PROPOSED OFFSET	SIGN PANEL - TYPE 1	METAL POST - TYPE A	BOLLARDS	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	DESCRIPTION
		FOOT	SQ.FT	FOOT	EACH	EACH	
STA. 11+00	LT	13	7	11.33			W16-1P (18X24) WITH W11-1 (24X24)
STA 11+00	RT	37	7	11.33			W16-1P (18X24) WITH W11-1 (24X24)
STA. 12+27	LT	15	2.25	10			R1-1 (18x18)
STA. 12+23	LT AND RT				3		(SEE DETAILS)
STA. 12+61	LT	15	3.33	11			D11-1 (24X18) WITH M4-6 (24X12)
STA. 16+30	LT	15	2.25	10			R1-1 (18x18)
STA. 16+34	LT AND RT				3		(SEE DETAILS)
STA. 17+31	LT AND RT				3		(SEE DETAILS)
STA. 17+36	LT	15	2.25	10			R1-1 (18x18)
STA. 29+55	LT	15	2.25	10			R1-1 (18x18)
STA. 29+61	LT AND RT				3		(SEE DETAILS)
STA. 29+87	LT	20				1	(SEE DETAILS)
STA. 30+34	LT	12				1	(SEE DETAILS)
TOTALS			26.33	74	12	2	

ADJUSTMENT SCHEDULE			
LOCATION	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	INLETS TO BE ADJUSTED WITH NEW TYPE 23 FRAME AND GRATE	MANHOLES TO BE ADJUSTED
	EACH	EACH	EACH
STA. 13+51	1		
STA. 16+60		1	
STA. 18+70			1
TOTALS	1	1	1

EARTHWORK SCHEDULE				
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT	EARTHWORK BALANCE SURPLUS (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
STA. 10+18 TO STA. 29+80	1284	963	298	665
TOTALS	1284	963	298	665

SEEDING SCHEDULE						
LOCATION	SEEDING, CLASS 1	MULCH, METHOD 2	FERTILIZER NUTRIENTS			TEMPORARY EROSION CONTROL SEEDING
	ACRE	ACRE	NITROGEN POUND	PHOSPHOROUS POUND	POTASSIUM POUND	POUND
STA. 10+18 TO STA. 29+80	1	1	90	90	90	100
TOTAL	1	1	90	90	90	100

MISCELLANEOUS REMOVAL SCHEDULE		
LOCATION	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL
	FOOT	SQ FT
STA. 11+82 to STA. 11+85	10	
STA. 11+90 to STA. 12+00	12	
STA. 15+68 to STA. 15+78	10	
STA. 16+50 to STA. 16+66	23	
STA. 17+00 to STA. 17+15	23	
STA. 18+70 to STA. 18+81	10	
STA. 12+23 to STA. 16+58		1677
STA. 17+08 to STA. 20+54		1260
Total	88	2937

SIDEWALK SCHEDULE		
LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	DETECTABLE WARNINGS
	SQ FT	SQ FT
STA. 11+67 to STA. 12+19	468	24
STA. 11+81 to STA. 11+85	55	18
STA. 16+35 to STA. 16+64	280	24
STA. 17+01 to STA. 17+19	183	24
STA. 20+14 to STA. 20+61	243	
STA. 24+23 to STA. 24+53	423	
Total	1652	90

PAVEMENT MARKING SCHEDULE			
LOCATION	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	PAVEMENT MARKING REMOVAL - WATER BLASTING
	FOOT	FOOT	SQ FT
Sta 16+56 to Sta 17+09			97
Sta 16+60 to Sta 17+05	79		
Sta 16+70 to Sta 16+80		12	
Sta 29+89 to Sta 30+22	60		60
TOTALS	139	12	157

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 CHECKED — TS
 DATE — 2/15/23

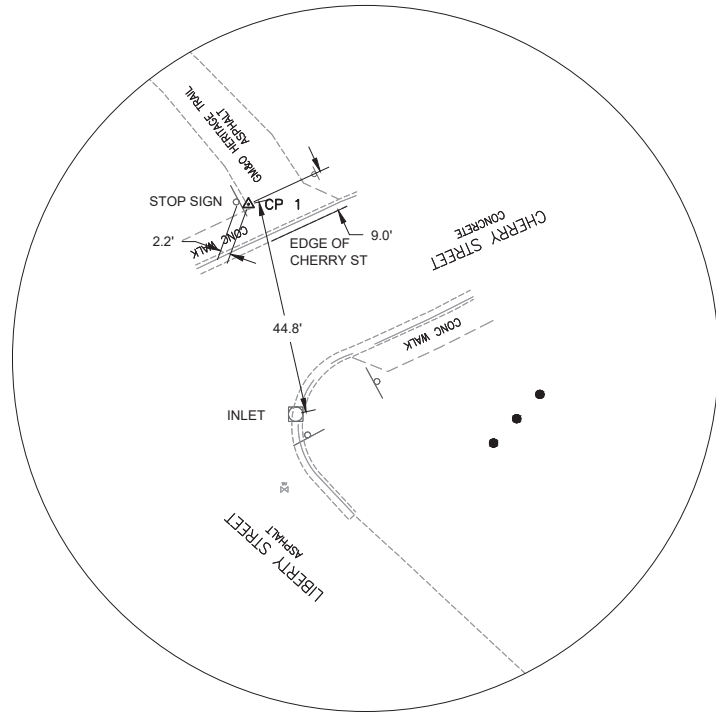
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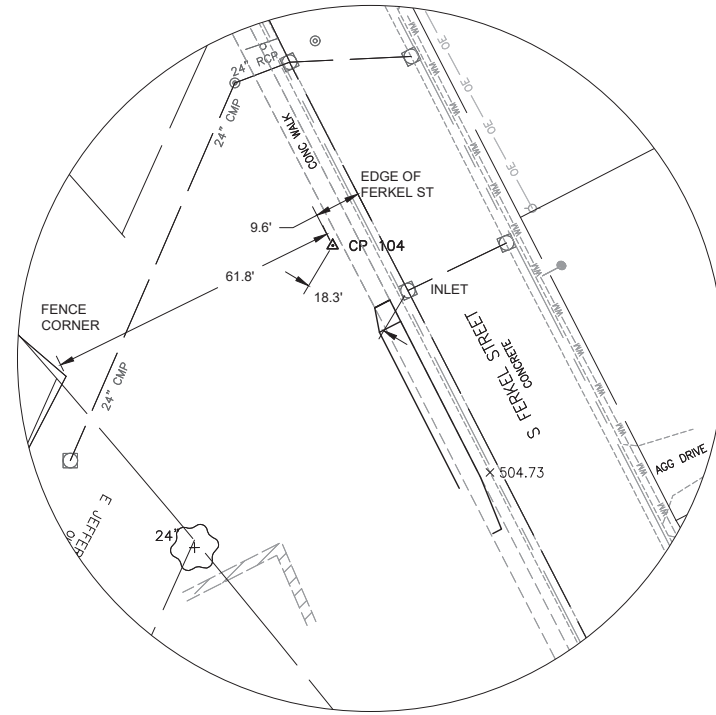
CONSTRUCTION SCHEDULES

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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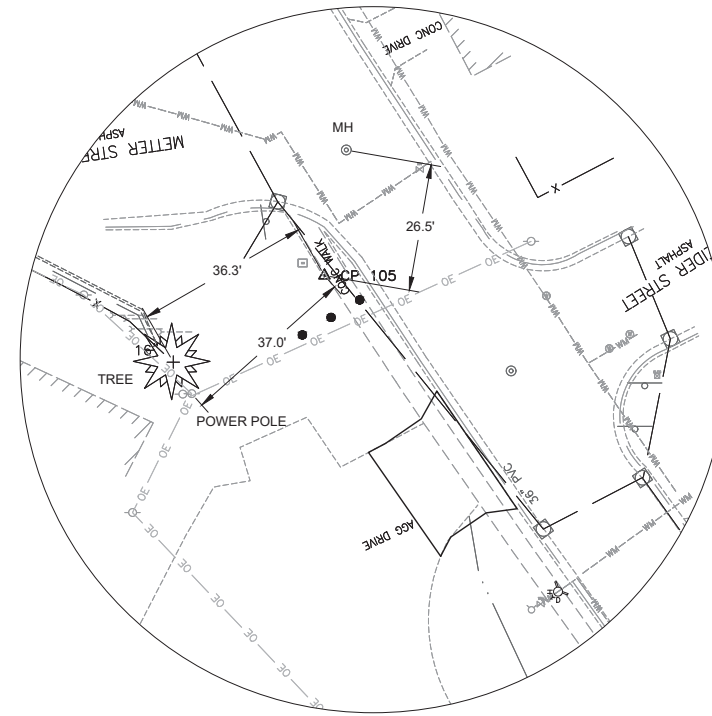
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CP# 1
MAG NAIL
N: 647274.24'
E: 2288025.74'
Z: 499.19'



CP# 104
REBAR
N: 646653.69'
E: 2288745.19'
Z: 504.06'



CP# 105
CUT X
N: 646270.39'
E: 2288962.95'
Z: 515.32'

Alignment Table			
LINE #	START STA.	NORTHING	EASTING
L1	10+09.38	645828.82	2289054.93
L2	12+12.11	645921.20	2289214.37
L3	14+32.54	646099.59	2289084.88
L4	15+26.45	646175.71	2289029.87
L5	16+01.46	646237.00	2288986.64
L6	16+57.60	646283.72	2288955.52
L7	17+07.79	646325.92	2288928.35
L8	17+63.04	646373.04	2288899.48
L9	18+45.21	646444.01	2288858.08
L10	20+67.79	646627.54	2288738.67
L11	21+15.98	646651.06	2288696.98



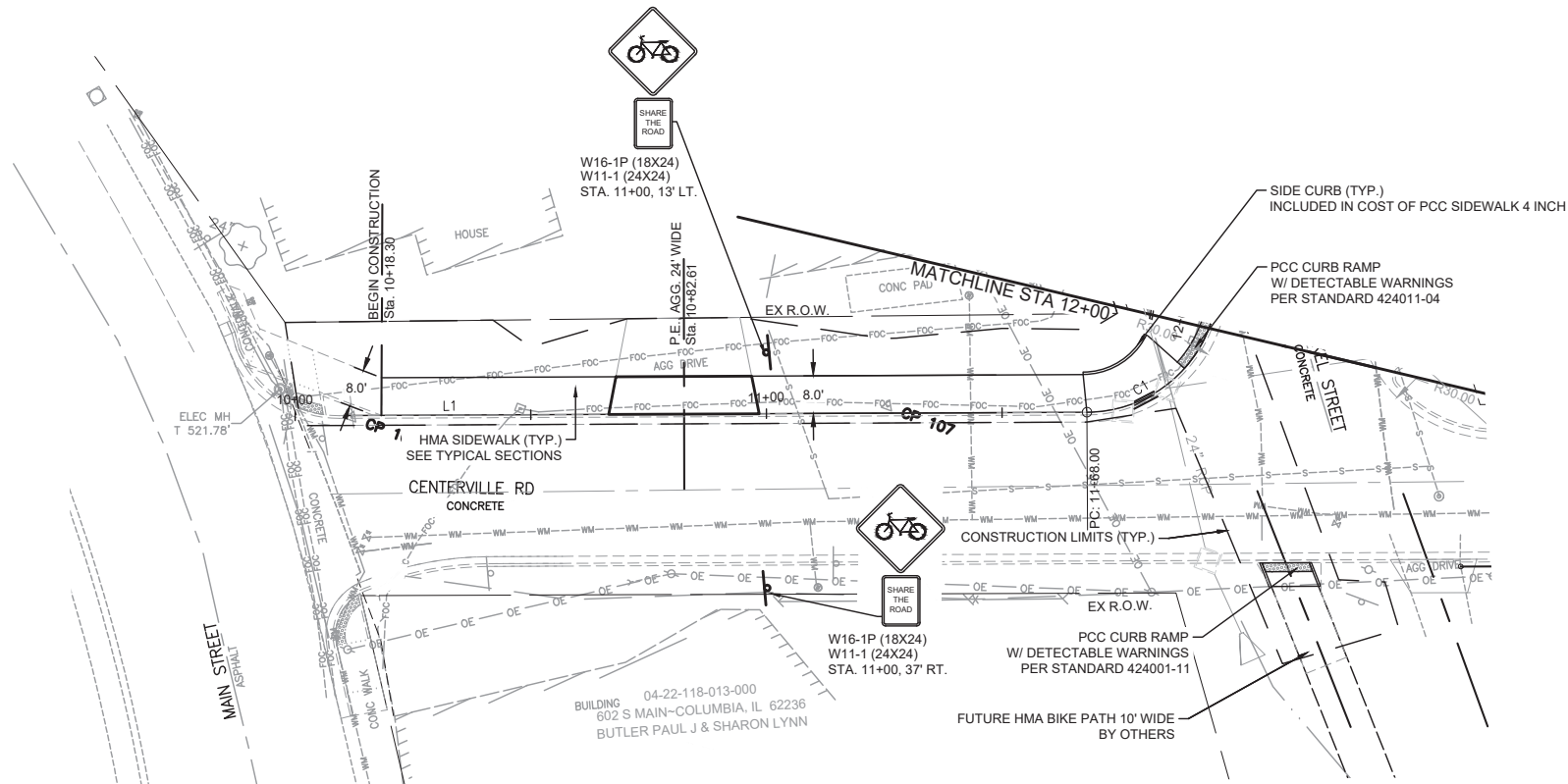
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DATE	— 2/15/23	REVISED	—

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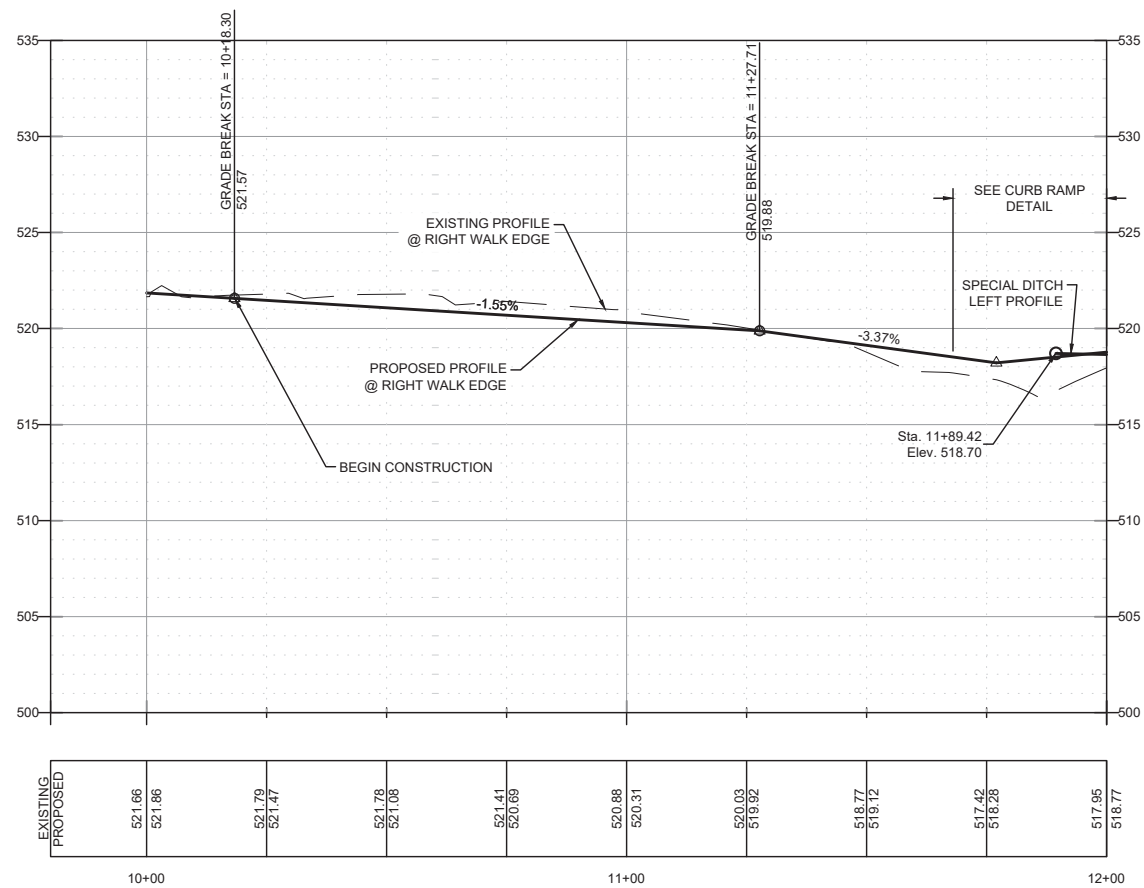
TIE POINTS AND ALIGNMENT TABLE

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	8



Curve Table: Alignments

Curve #	P.I. STA.	RADIUS	DELTA	TANGENT	EXTERNAL	LENGTH	CHORD	P.C. STA.	P.T. STA.
C1	11+99.47	24'	105°21'44"	31.47'	15.58'	44.11'	38.15'	11+68.00	12+12.11



LEGEND

- TREE LINE
- EXISTING EASEMENT
- EXISTING RIGHT-OF-WAY
- EXISTING PROPERTY LINE
- EXISTING WATER MAIN
- EXISTING WATER SERVICE
- EXISTING WATER METER
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER
- EXISTING SANITARY SERVICE
- EXISTING STORM SEWER
- EXISTING MANHOLE
- EXISTING STORM INLET
- EXISTING UTILITY BOXES
- EXISTING ELECTRIC
- EXISTING GAS MAIN
- EXISTING CABLE TV
- EXISTING TELEPHONE
- EXISTING IRRIGATION SYSTEM
- EXISTING CONTOURS
- EXISTING TREE
- EXISTING POWER POLE
- EXISTING LIGHT POLE
- EXISTING LAMP POST
- EXISTING SIGN POST
- PROPOSED DITCH
- PROPOSED CONTOURS
- PROPOSED STORM SEWER
- PROPOSED DRAINAGE STRUCTURES
- PROPOSED SANITARY SEWER
- PROPOSED SANITARY MH
- PROPOSED FLARED END

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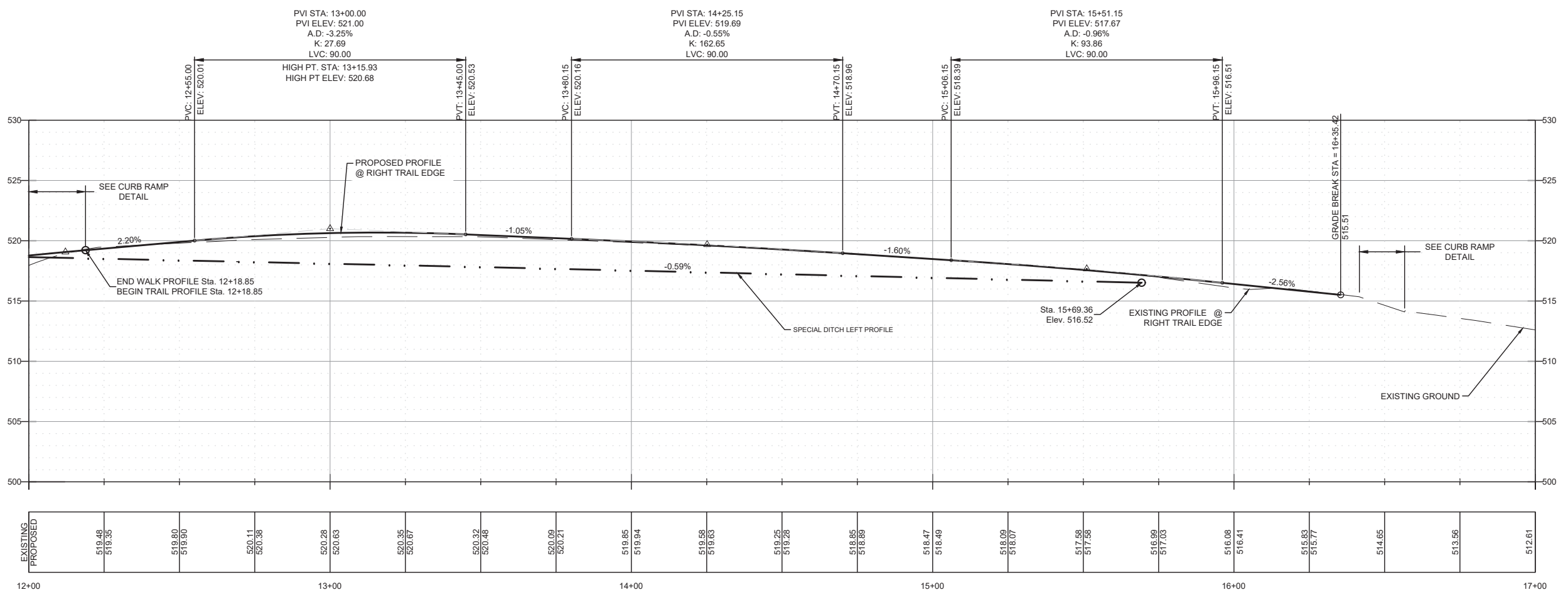
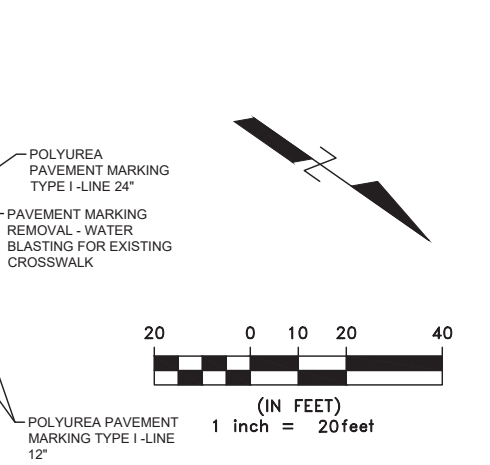
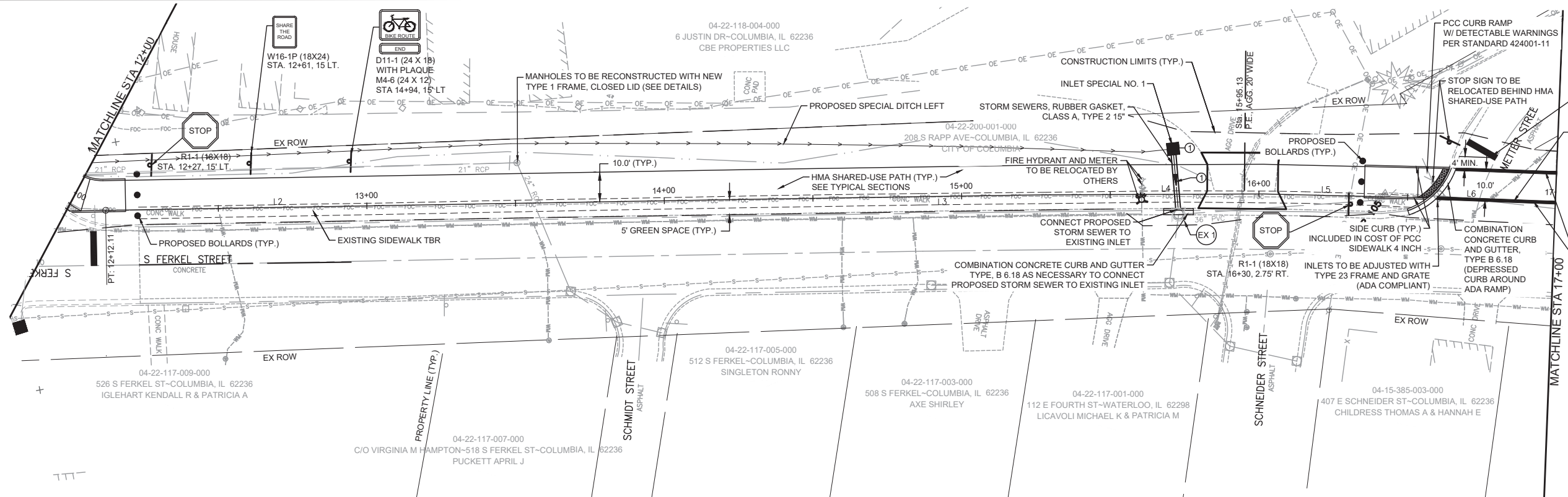
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PLAN AND PROFILE STA 10+00

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	9

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519.48	518.35	519.80	518.90	520.11	520.38	520.28	520.63	520.35	520.67	520.32	520.48	520.09	520.21	519.85	519.94	519.68	519.63	519.25	519.28	518.85	518.89	518.47	518.49	518.09	518.07	517.58	517.58	516.99	517.03	516.08	516.41	515.83	515.77	514.85	513.56	512.61

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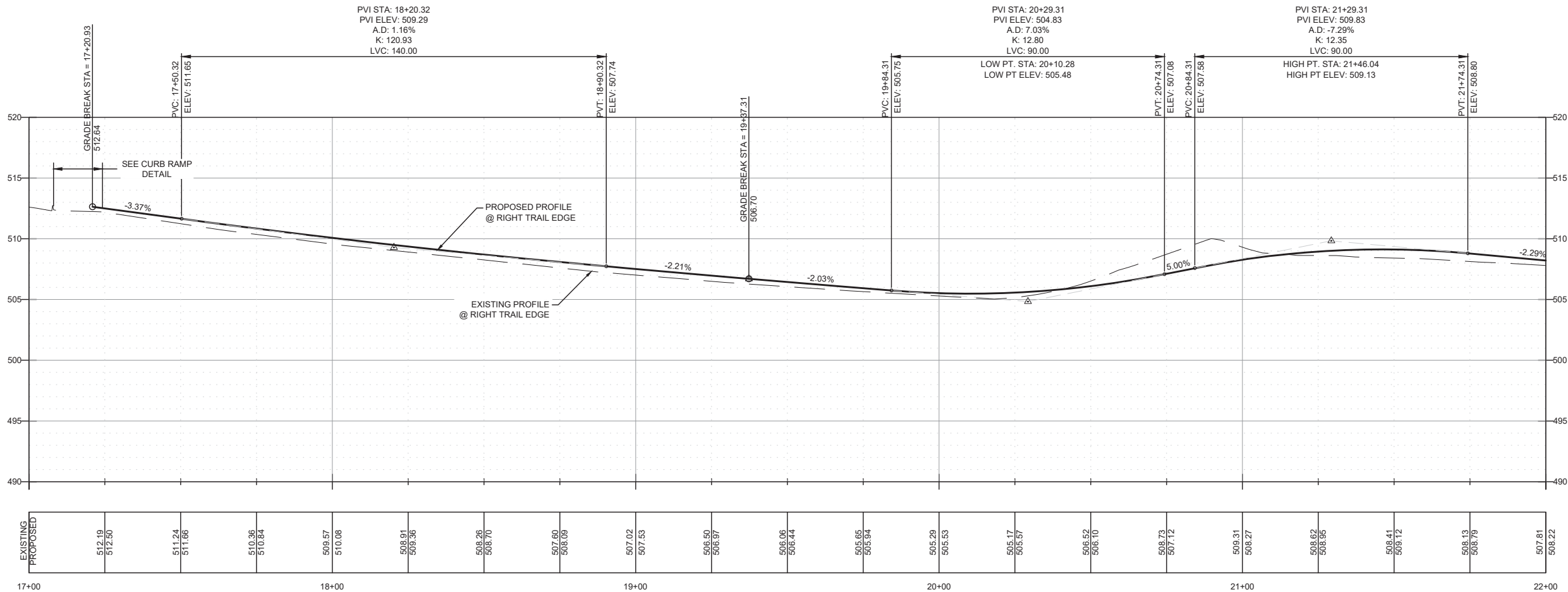
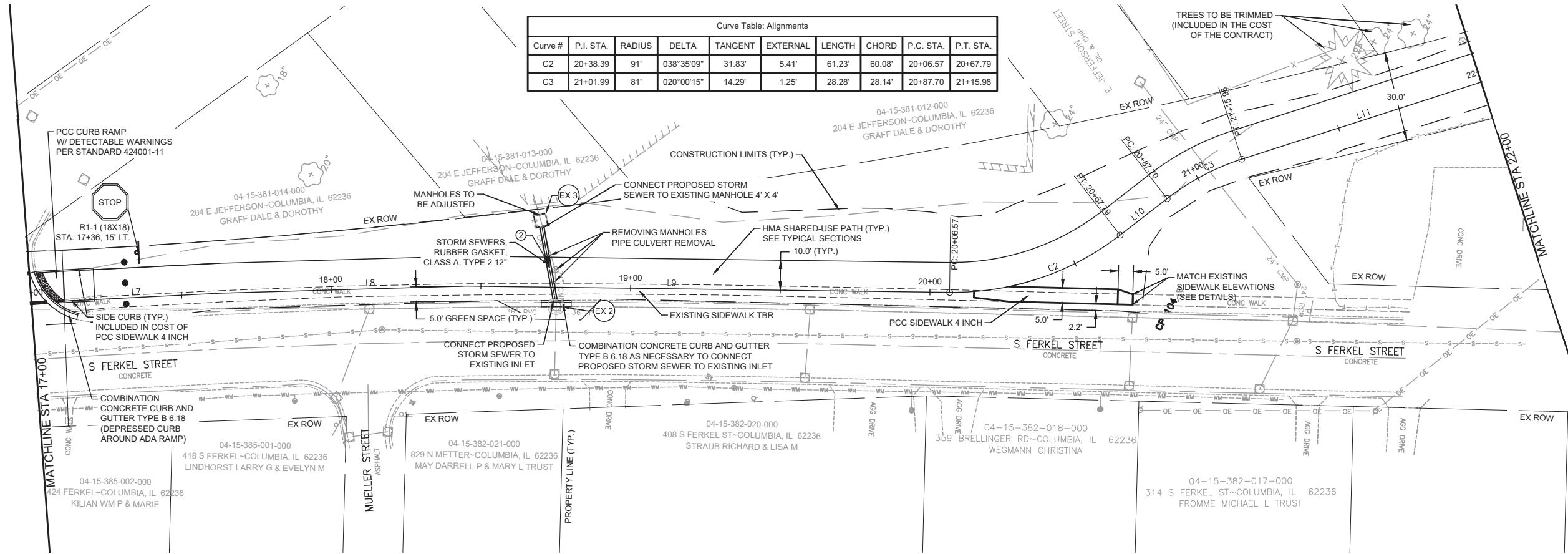
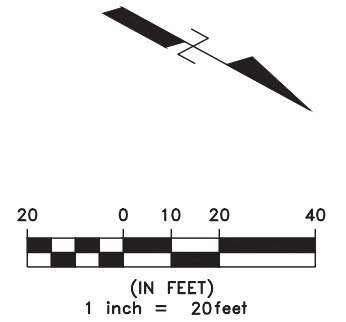
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PLAN AND PROFILE STA 12+00

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	10

Curve Table: Alignments									
Curve #	P.I. STA.	RADIUS	DELTA	TANGENT	EXTERNAL	LENGTH	CHORD	P.C. STA.	P.T. STA.
C2	20+38.39	91'	038°35'09"	31.83'	5.41'	61.23'	60.08'	20+06.57	20+67.79
C3	21+01.99	81'	020°00'15"	14.29'	1.25'	28.28'	28.14'	20+87.70	21+15.98



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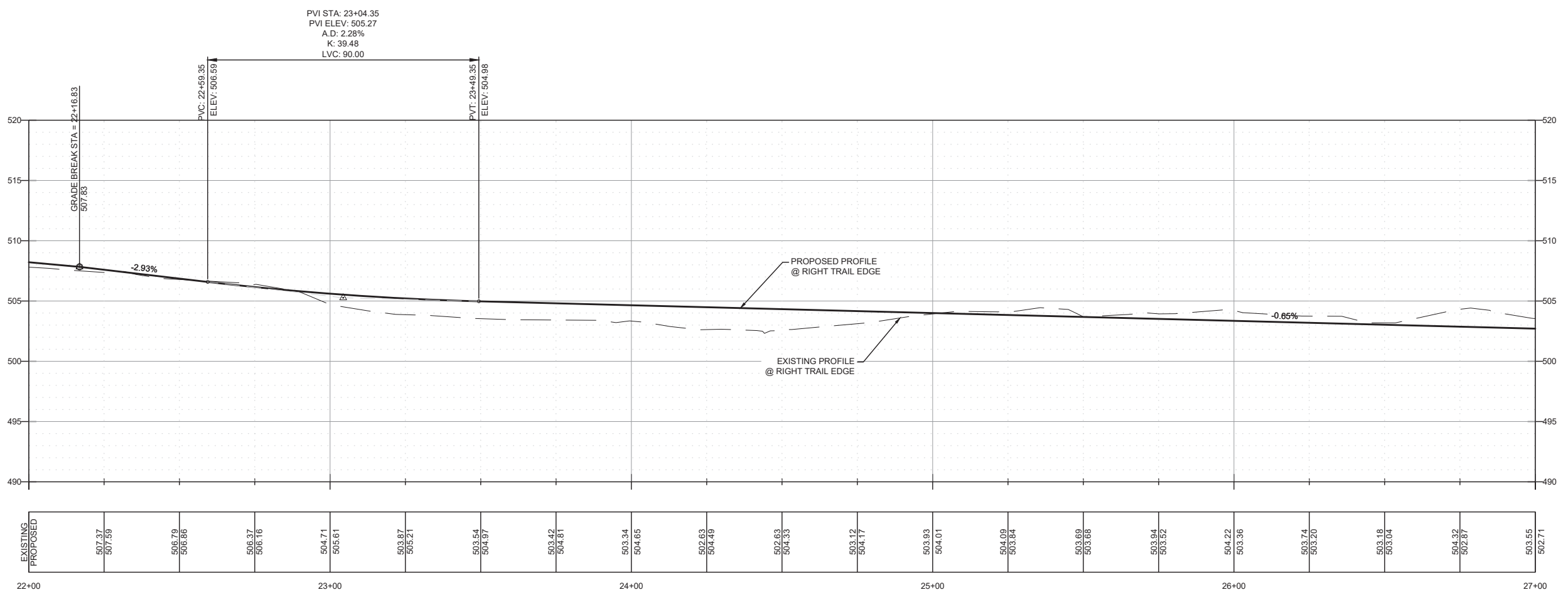
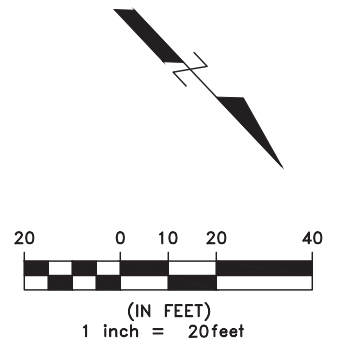
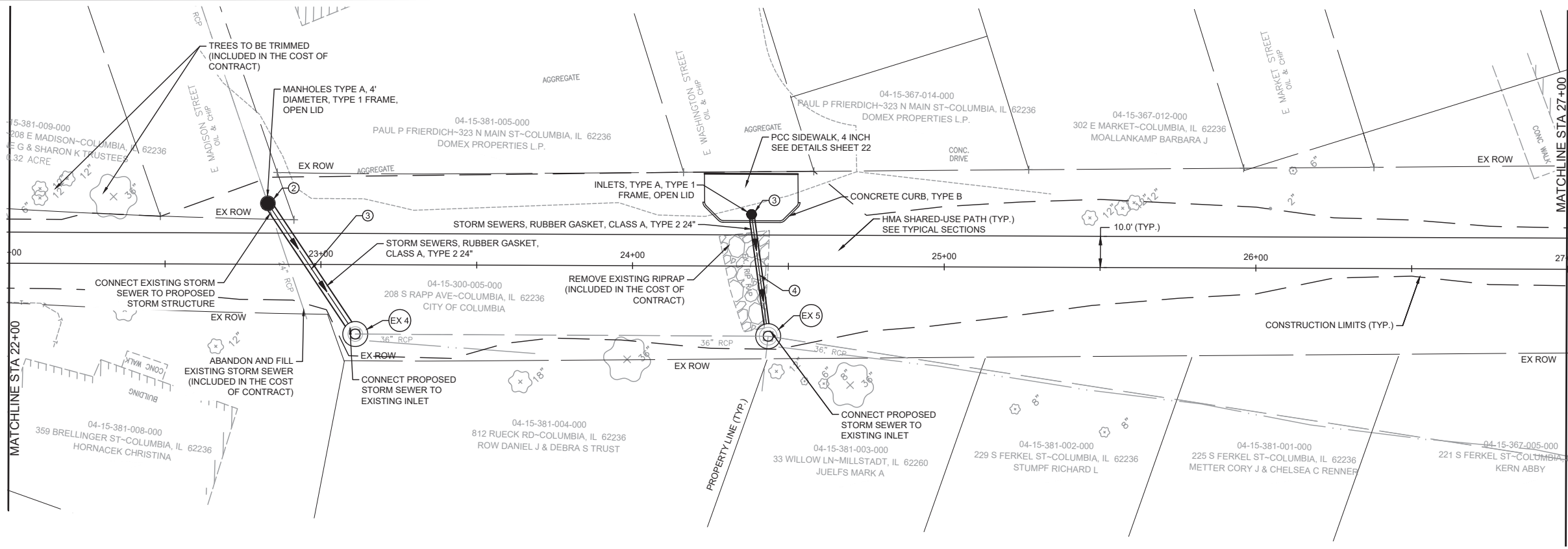
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STATE OF ILLINOIS
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PLAN AND PROFILE STA 17+00

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	11



STATION	EXISTING ELEVATION	PROPOSED ELEVATION
22+00	507.37	507.59
22+10	506.79	506.86
22+20	506.37	506.16
22+30	504.71	505.61
22+40	503.87	505.21
22+50	503.54	504.97
22+60	503.42	504.81
22+70	503.34	504.65
22+80	502.83	504.49
22+90	502.83	504.33
23+00	503.12	504.17
23+10	503.93	504.01
23+20	504.09	503.84
23+30	503.69	503.68
23+40	503.94	503.52
23+50	504.22	503.36
23+60	503.74	503.20
23+70	503.18	503.04
23+80	504.32	502.87
23+90	503.55	502.71

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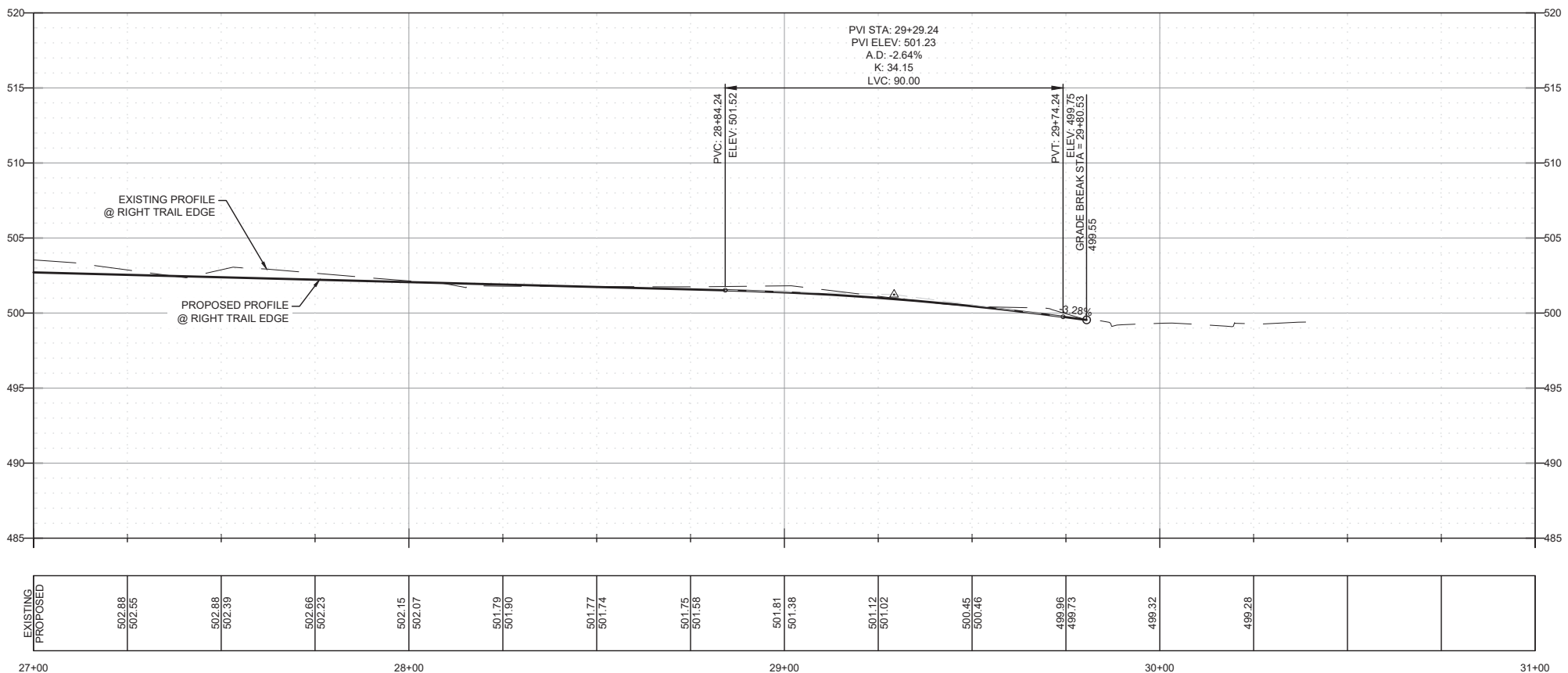
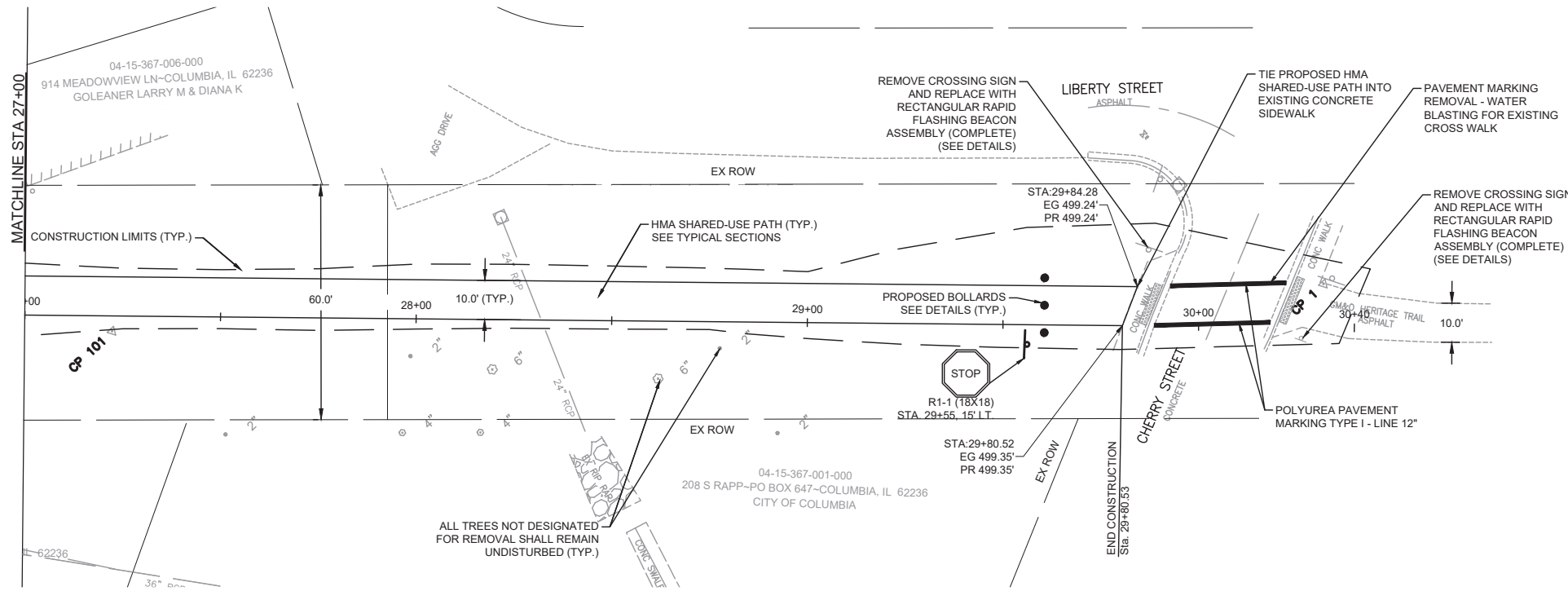
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STATE OF ILLINOIS
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PLAN AND PROFILE STA 22+00

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	12



EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED	
	502.88	502.88	502.85		502.86	502.86	502.89		502.66	502.23		502.15	502.07		501.79	501.80
									501.77	501.74		501.75	501.68		501.81	501.98
												501.12	501.92		500.45	500.46
															499.96	499.73
															499.32	499.28

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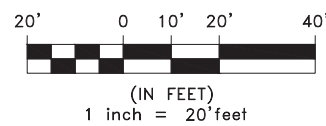
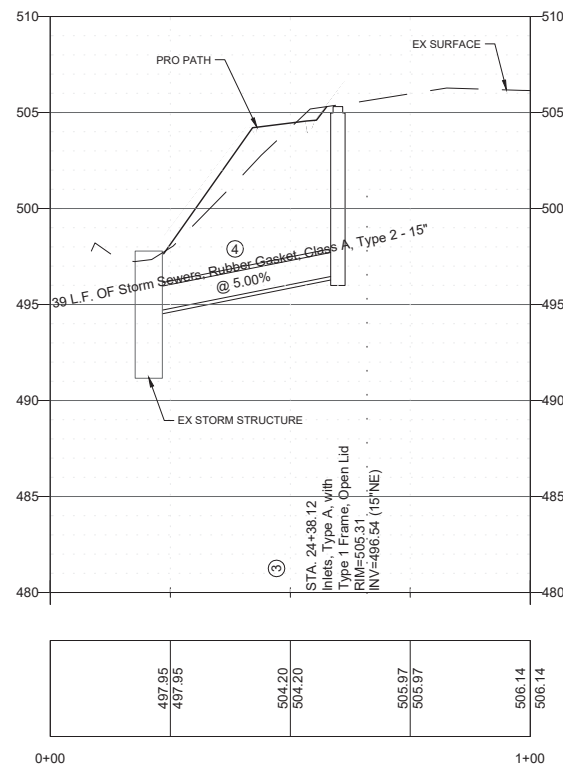
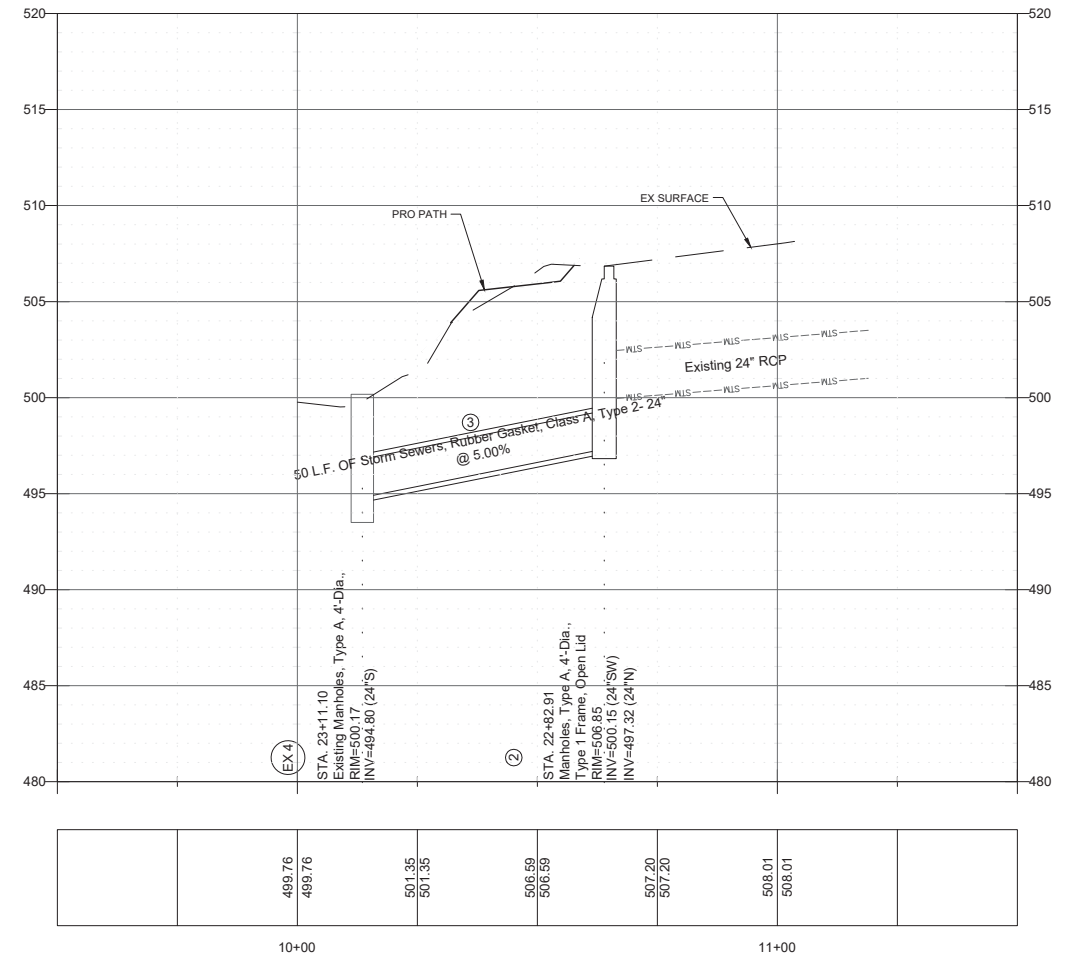
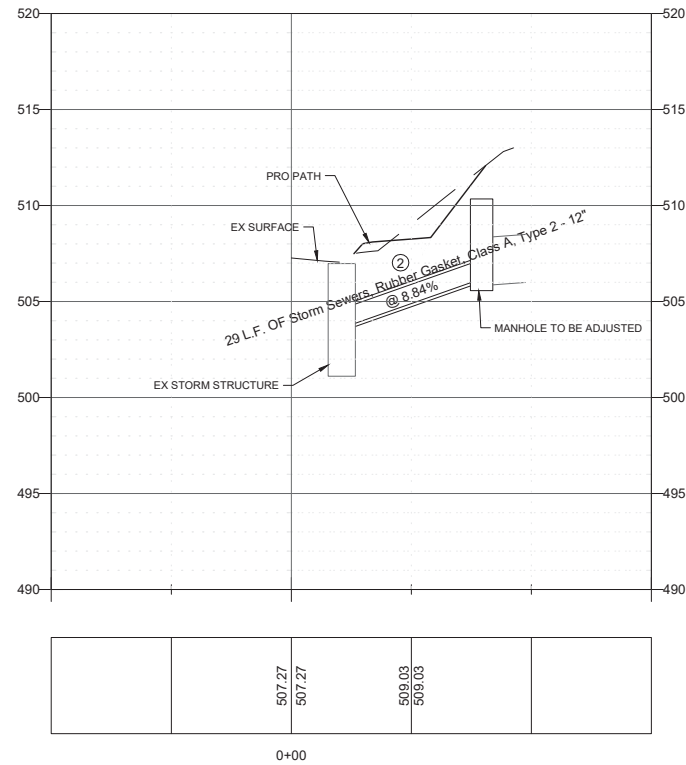
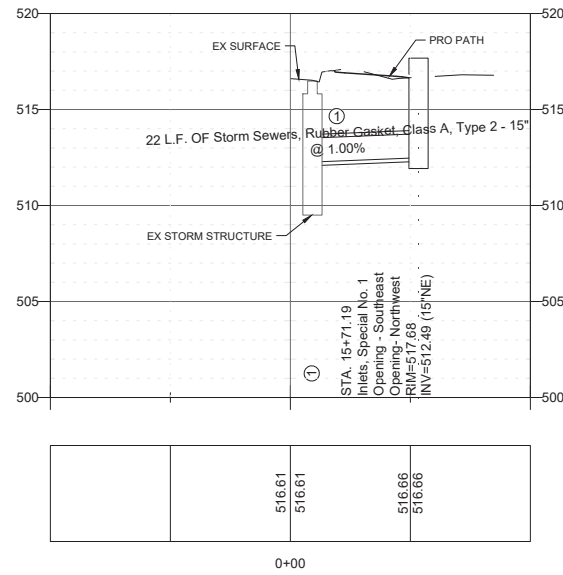
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97798	MUN650	21-00057-00-BT	MONROE	33	13

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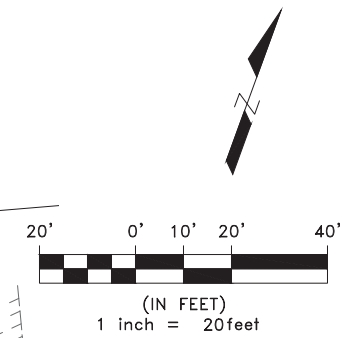
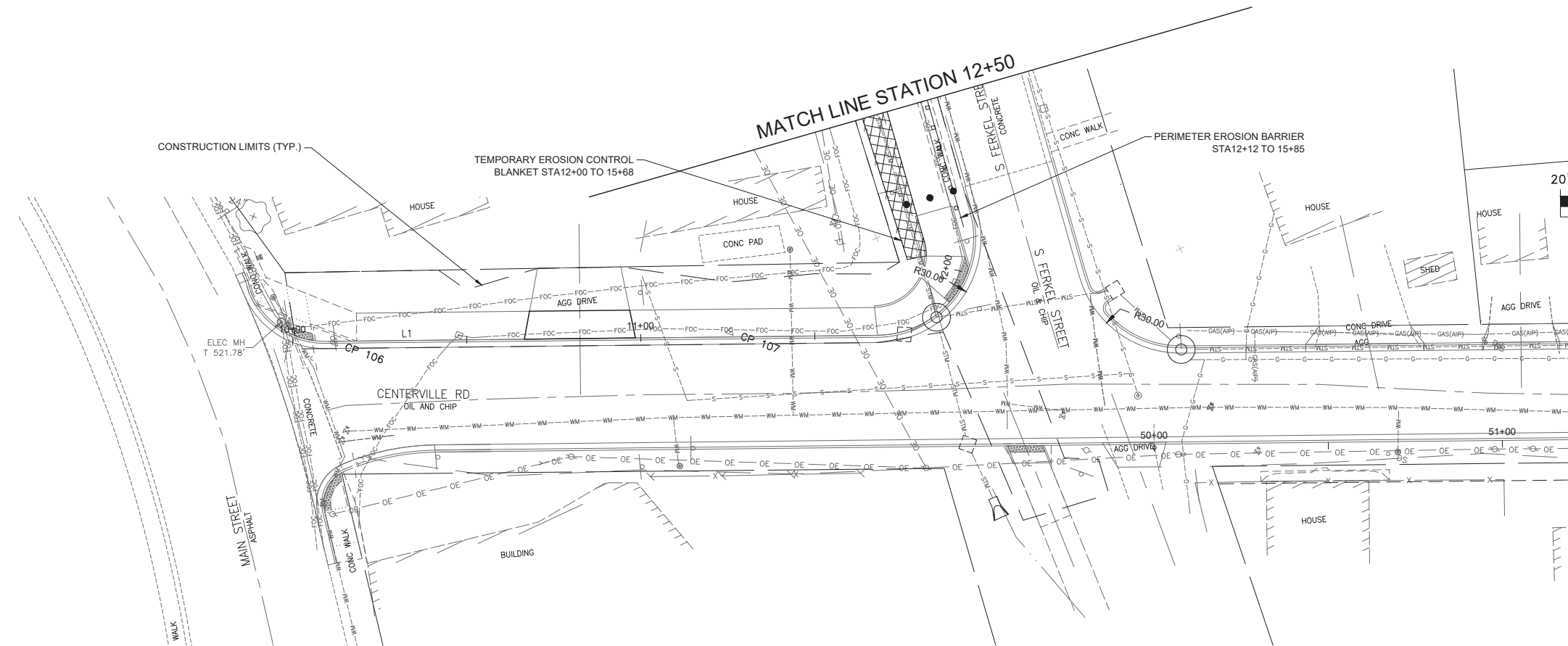
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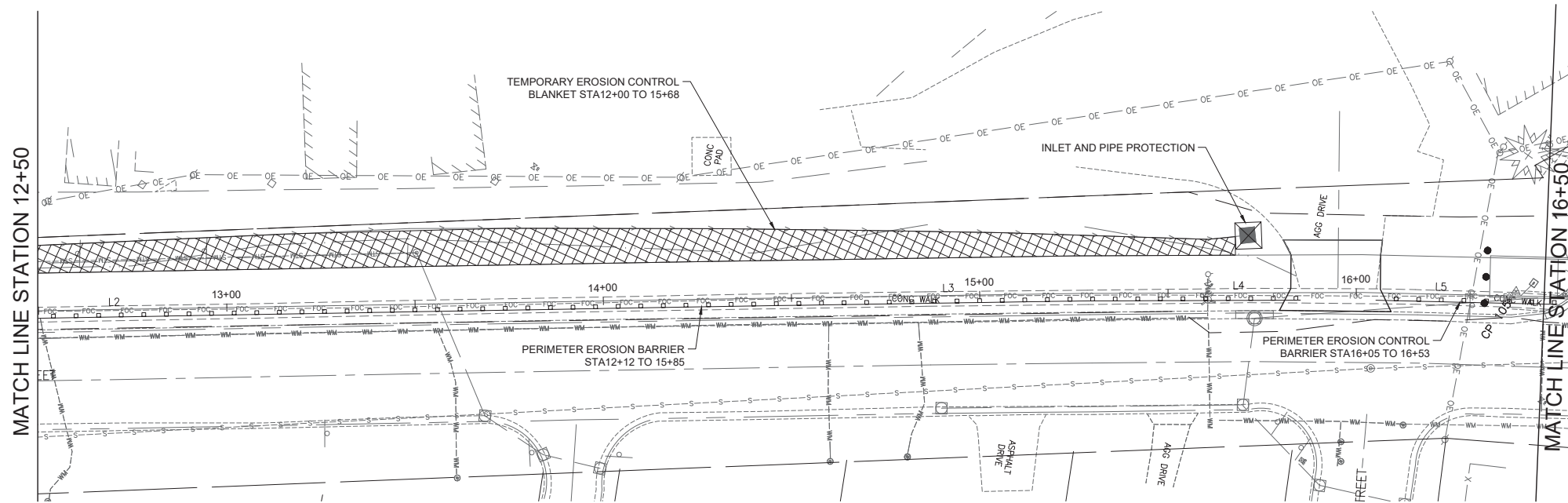
STORM PROFILES

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	14



LEGEND

	- INLET AND PIPE PROTECTION
	- TEMPORARY EROSION CONTROL BLANKET
	- PERIMETER EROSION BARRIER



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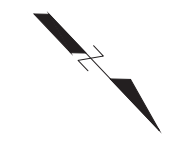
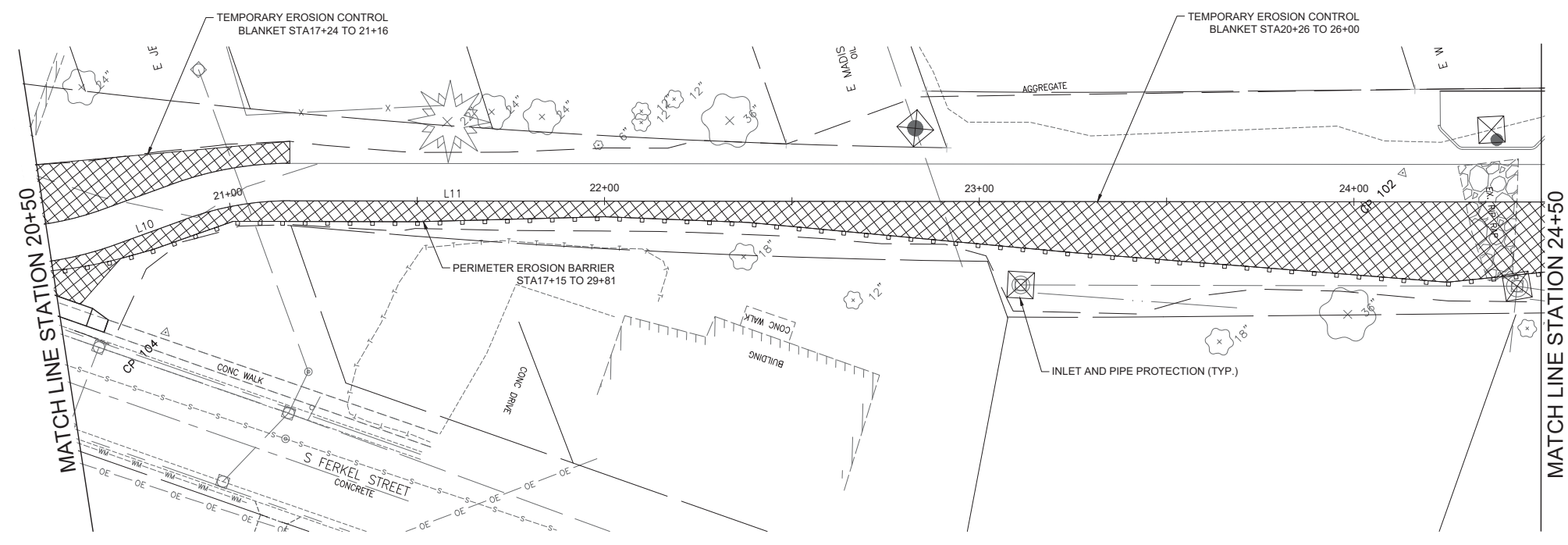
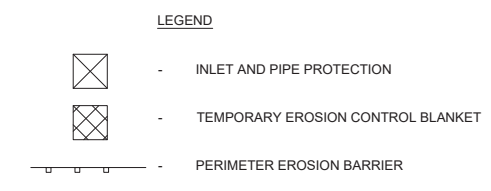
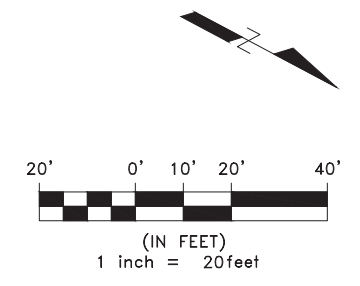
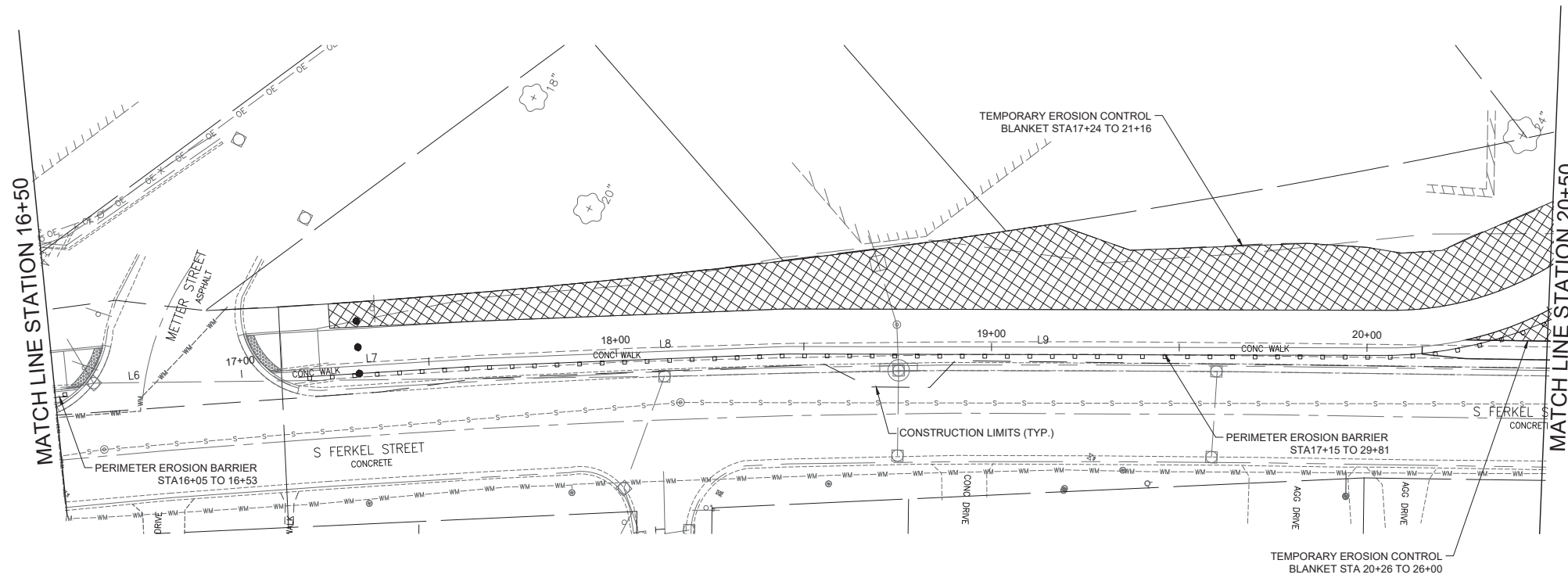
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DATE	— 2/15/23	REVISED	—

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EROSION CONTROL

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	15



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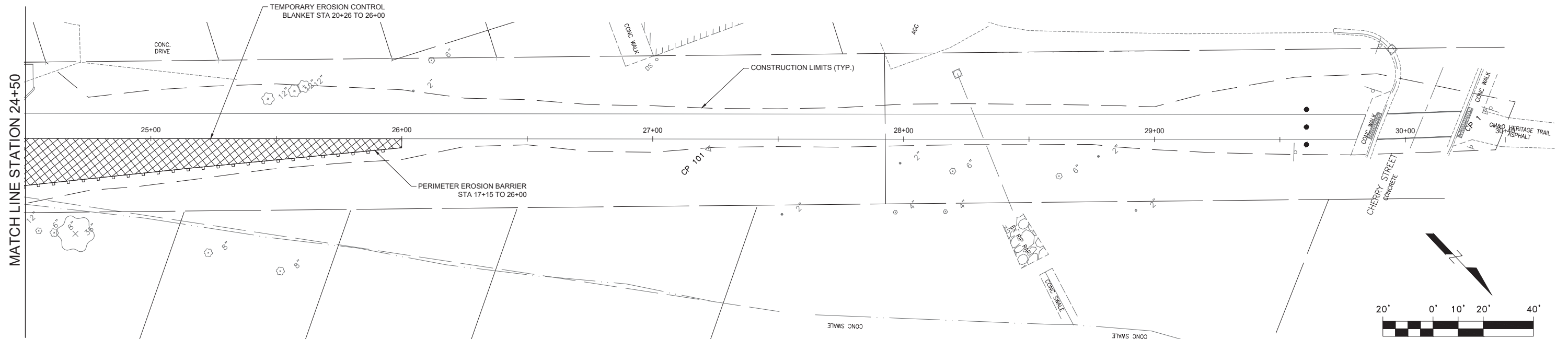
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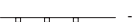
EROSION CONTROL

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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LEGEND

	- INLET AND PIPE PROTECTION
	- TEMPORARY EROSION CONTROL BLANKET
	- PERIMETER EROSION BARRIER



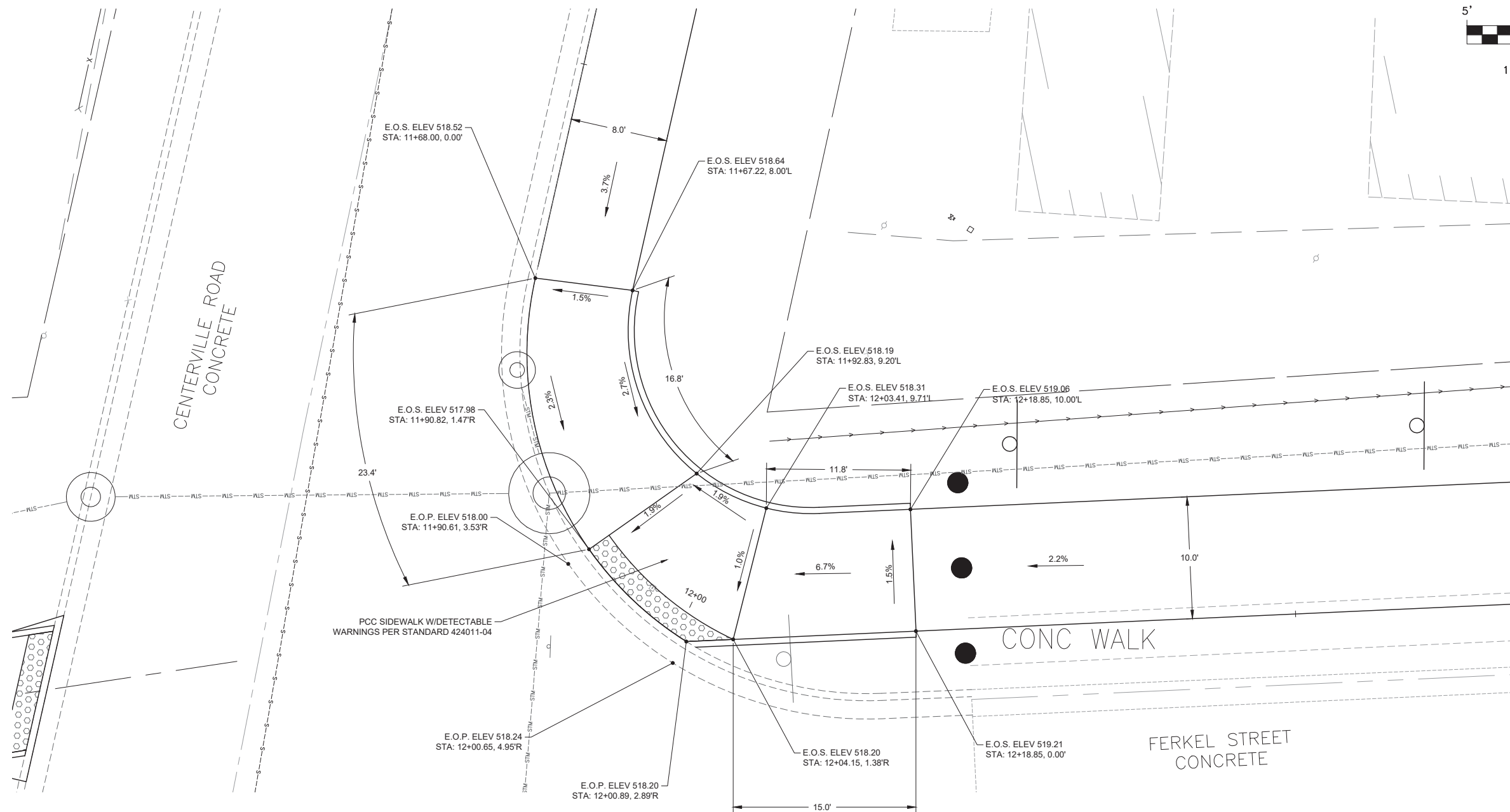
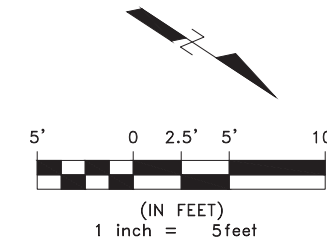
GONZALEZ COMPANIES, LLC
 525 WEST MAIN STREET
 BELLEVILLE IL 62220
 PHONE (618-222-2221)
 www.gonzalezcos.com
 ILLINOIS PROFESSIONAL DESIGN FIRM 184.004564

DESIGNED	— JS	REVISED	—
DRAWN	— JS	REVISED	—
CHECKED	— TS	REVISED	—
DATE	— 2/15/23	REVISED	—

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EROSION CONTROL

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	17



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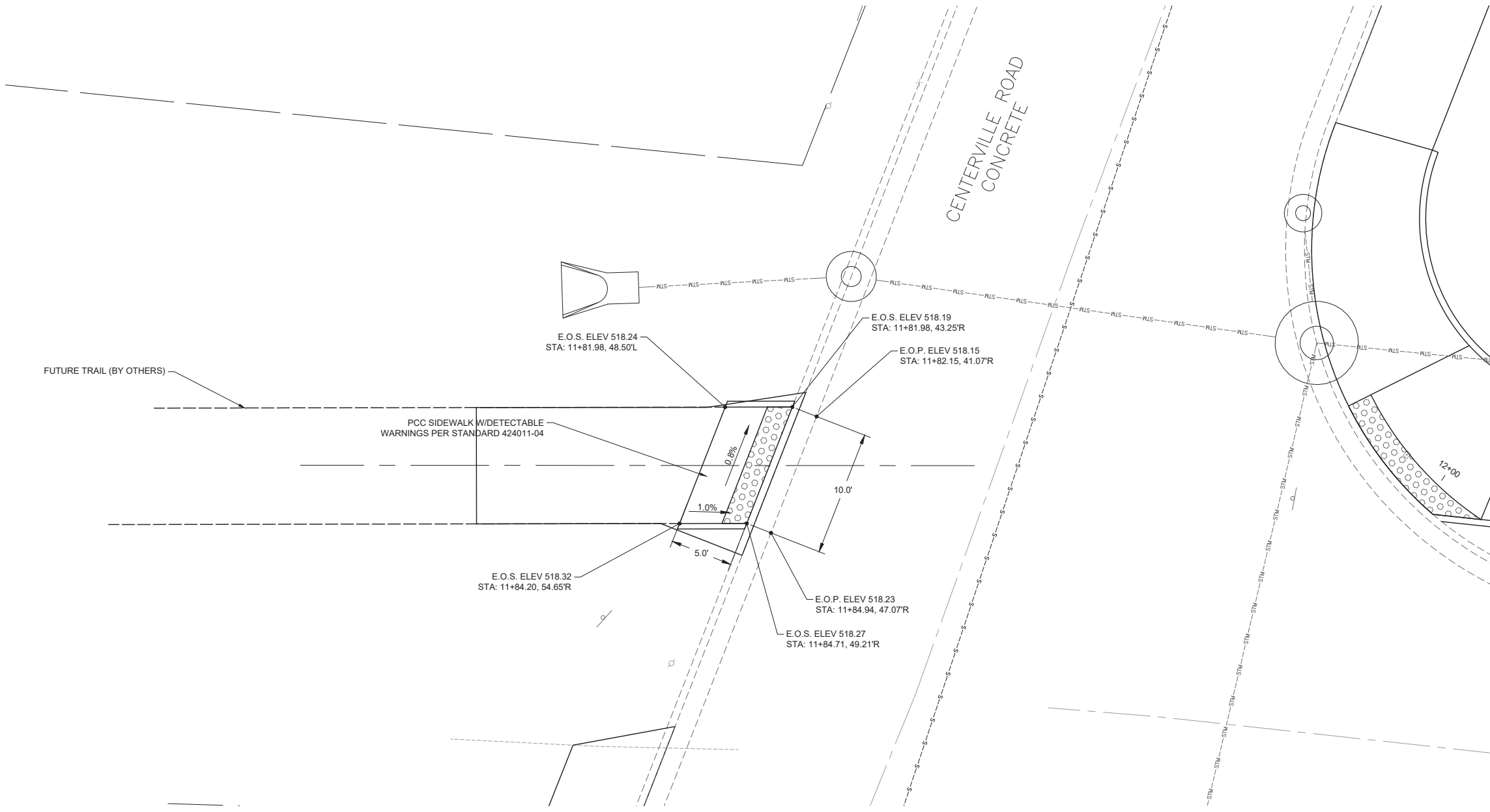
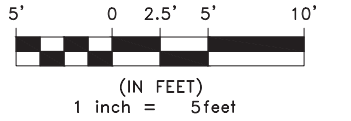
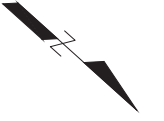
GONZALEZ COMPANIES, LLC
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAILS CENTERVILLE

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	18



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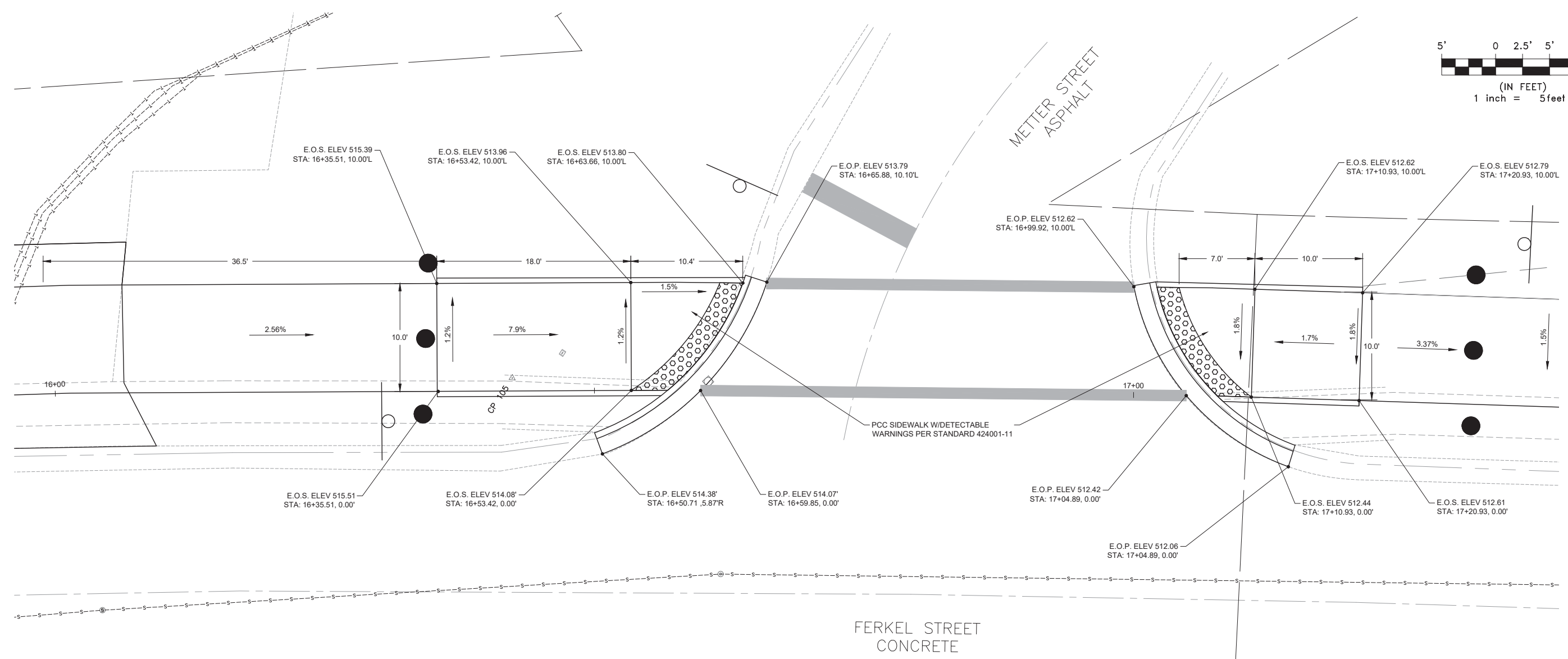
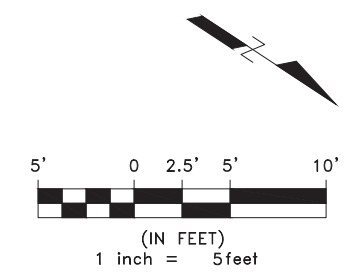
GONZALEZ COMPANIES, LLC
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAILS CENTERVILLE

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	19



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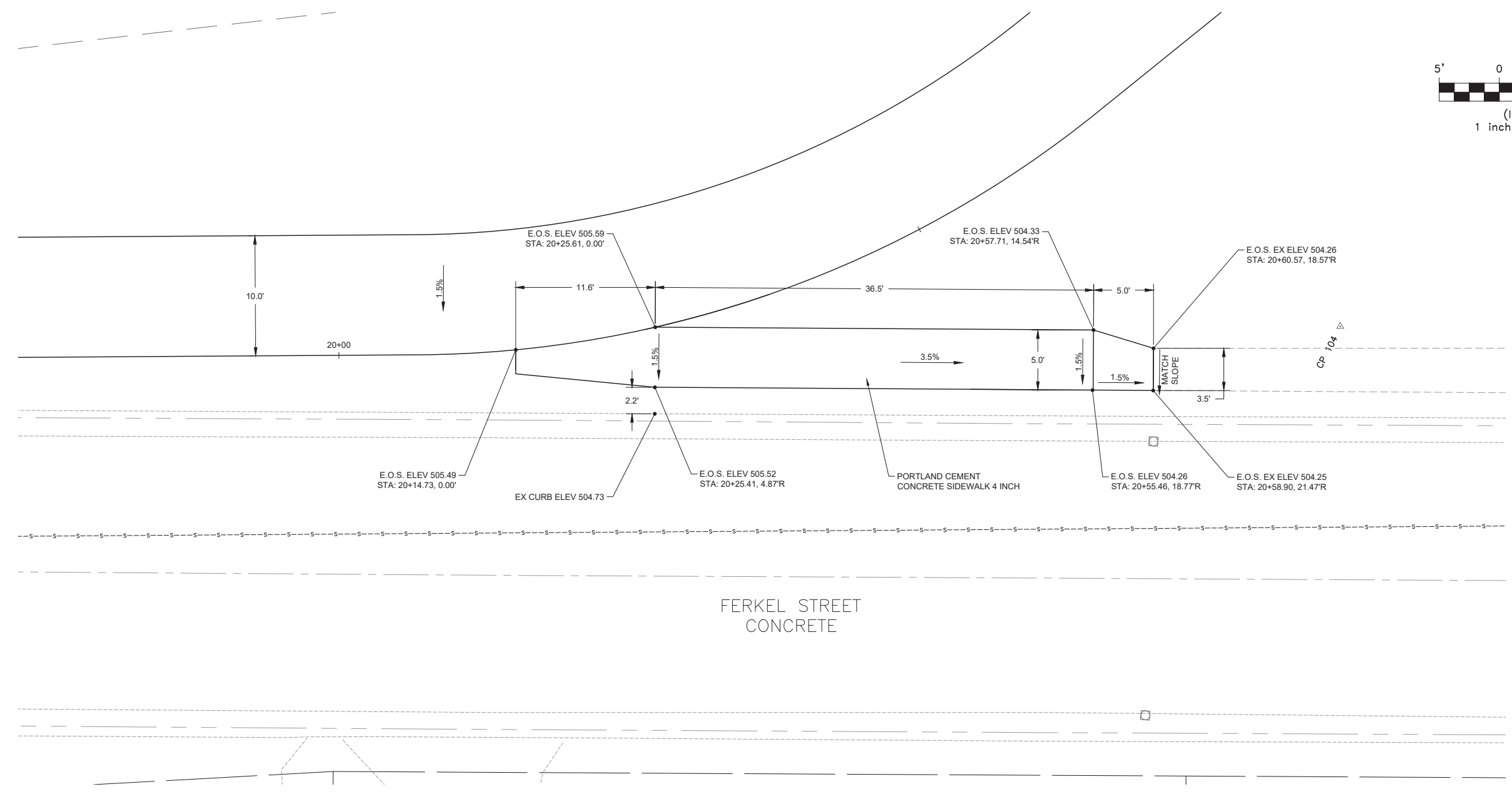
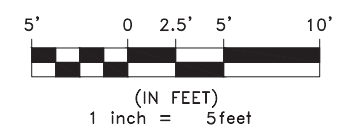
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAILS METTER

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	20



FERKEL STREET
CONCRETE

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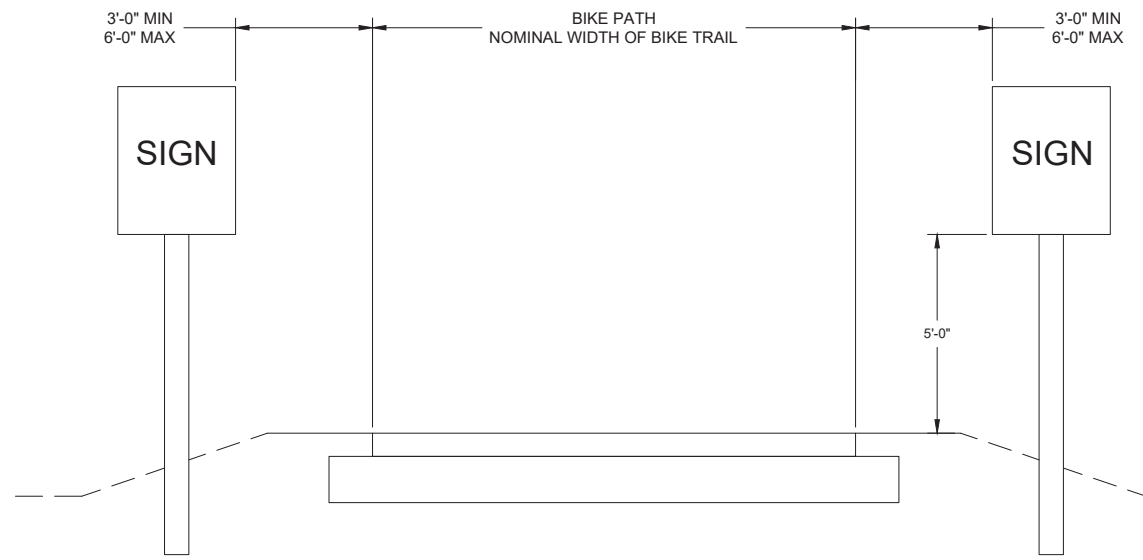
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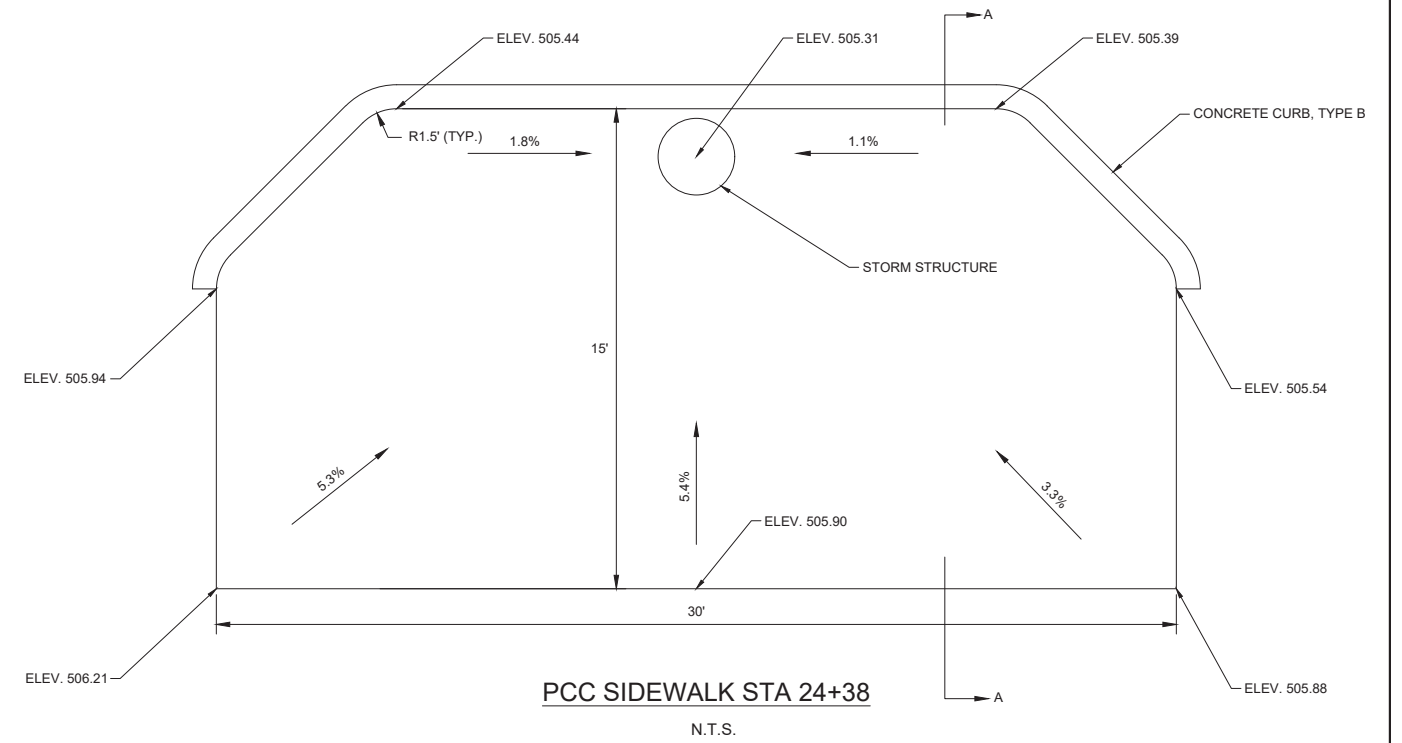
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL FERKEL

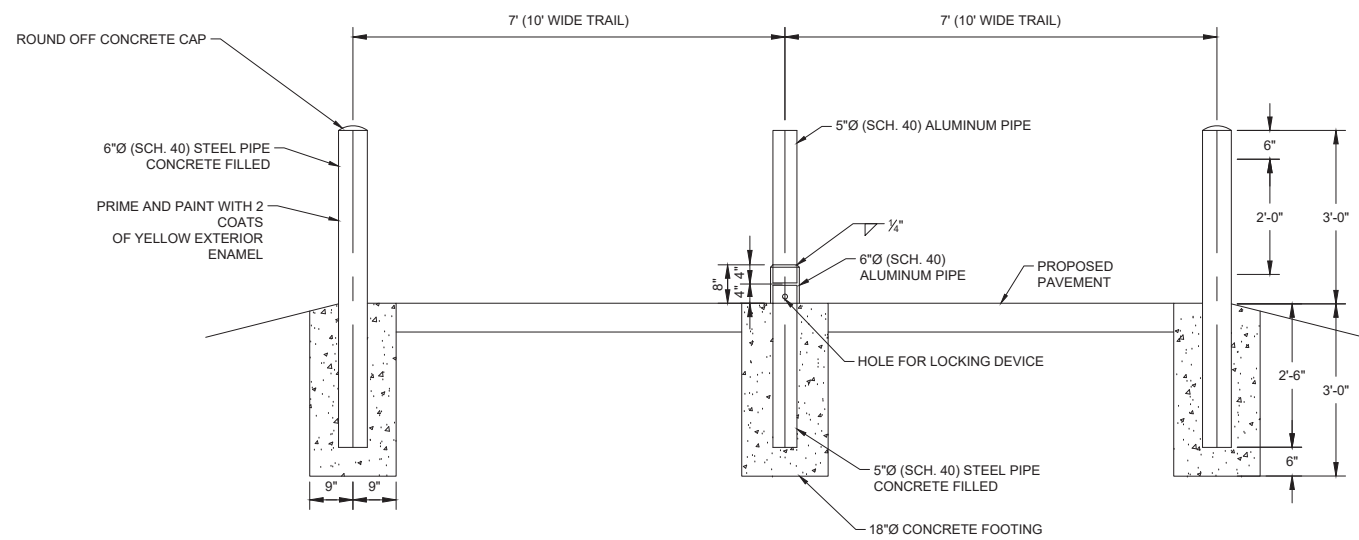
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97798	MUN650	21-00057-00-BT	MONROE	33	21



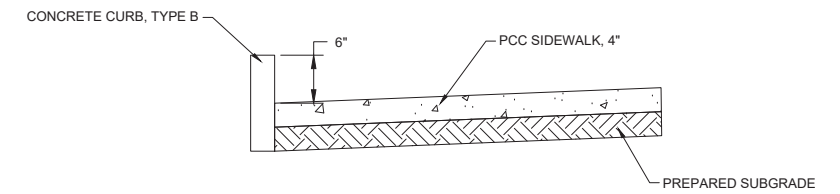
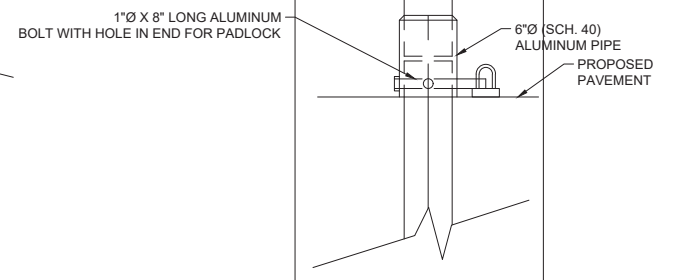
SIGN PLACEMENT DETAIL
N.T.S.



PCC SIDEWALK STA 24+38
N.T.S.



BOLLARD DETAIL
N.T.S.



SECTION A-A
N.T.S.

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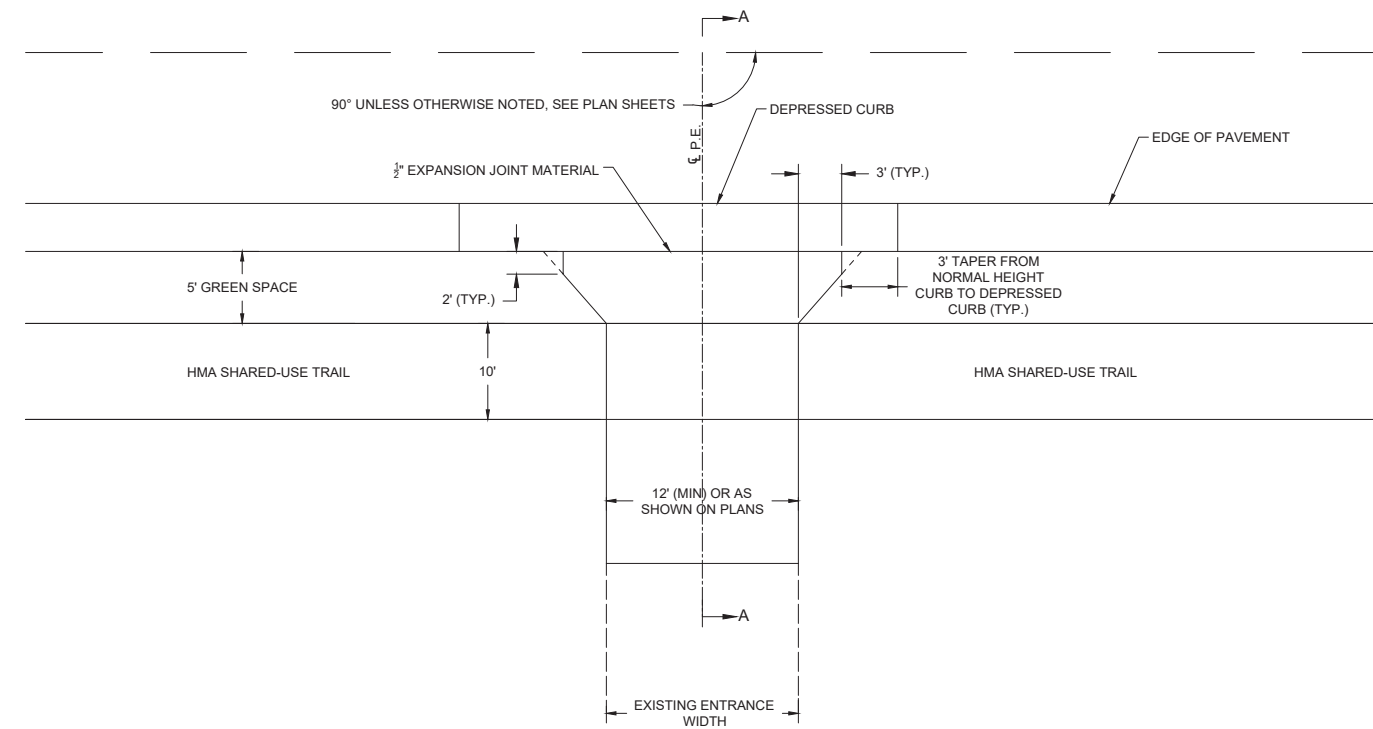
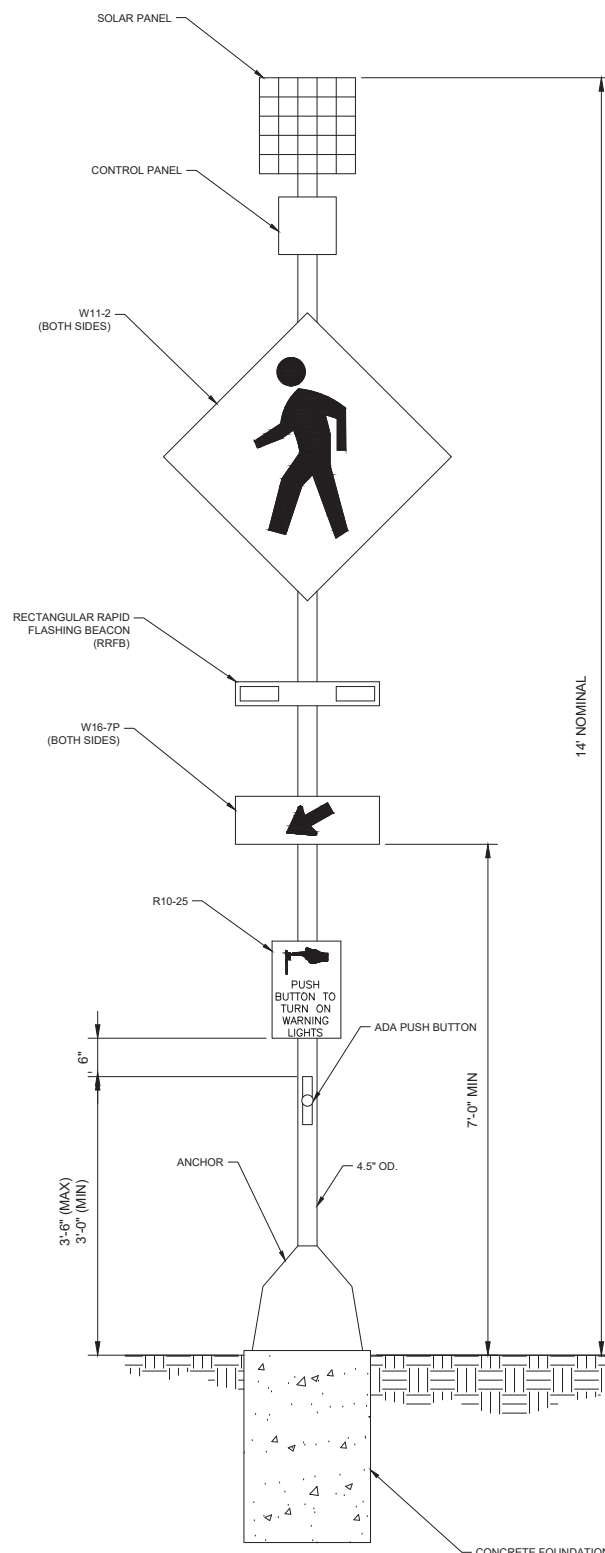
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

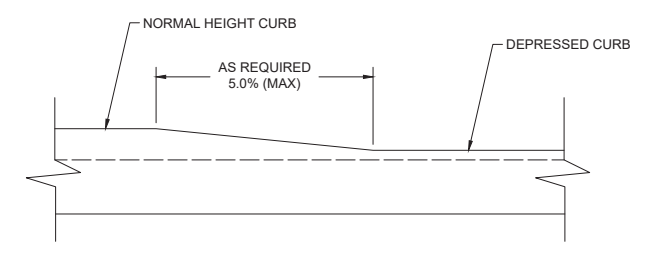
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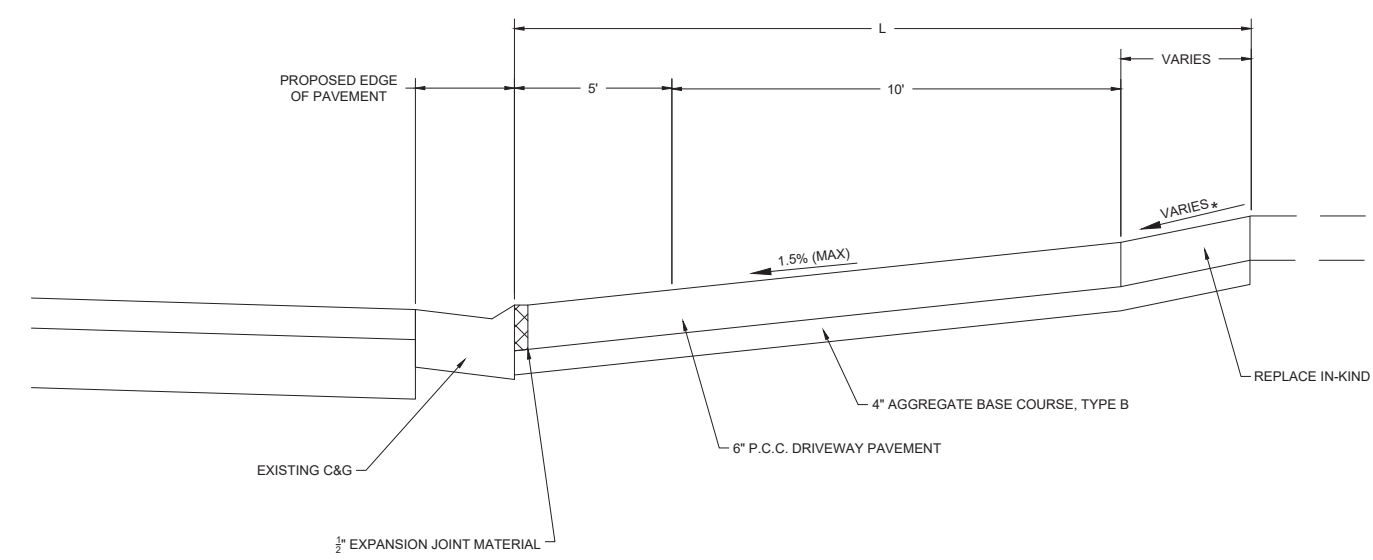
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P.E. DETAIL "A"
PRIVATE ENTRANCE WITH HOT-MIX ASPHALT SHARED-USE PATH ADJACENT TO ROADWAY PAVEMENT AND CONCRETE CURB & GUTTER
N.T.S.



DETAIL OF CURB HEIGHT TRANSITION



SECTION "A-A"
* SEE CROSS SECTIONS FOR SLOPES

RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)
N.T.S.



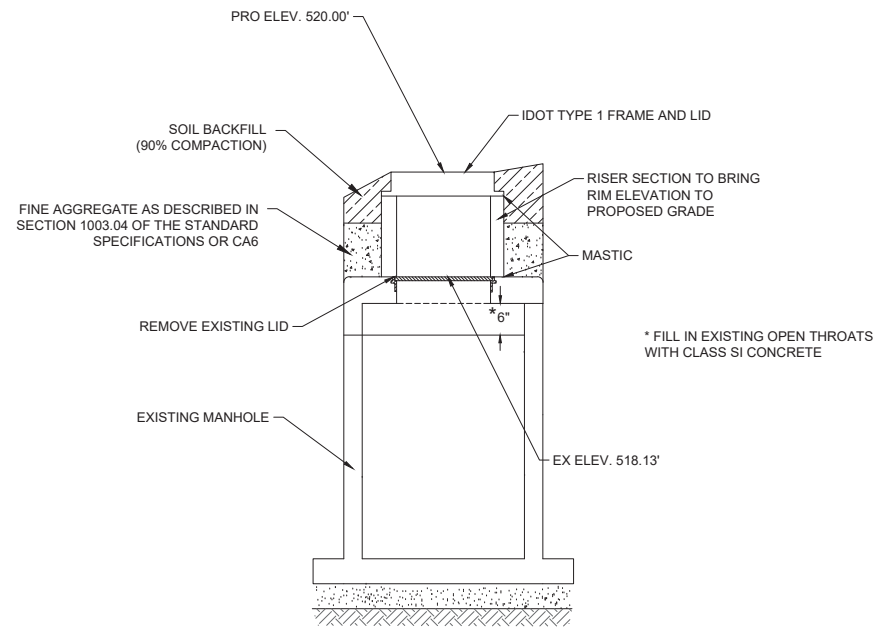
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DEPARTMENT OF TRANSPORTATION

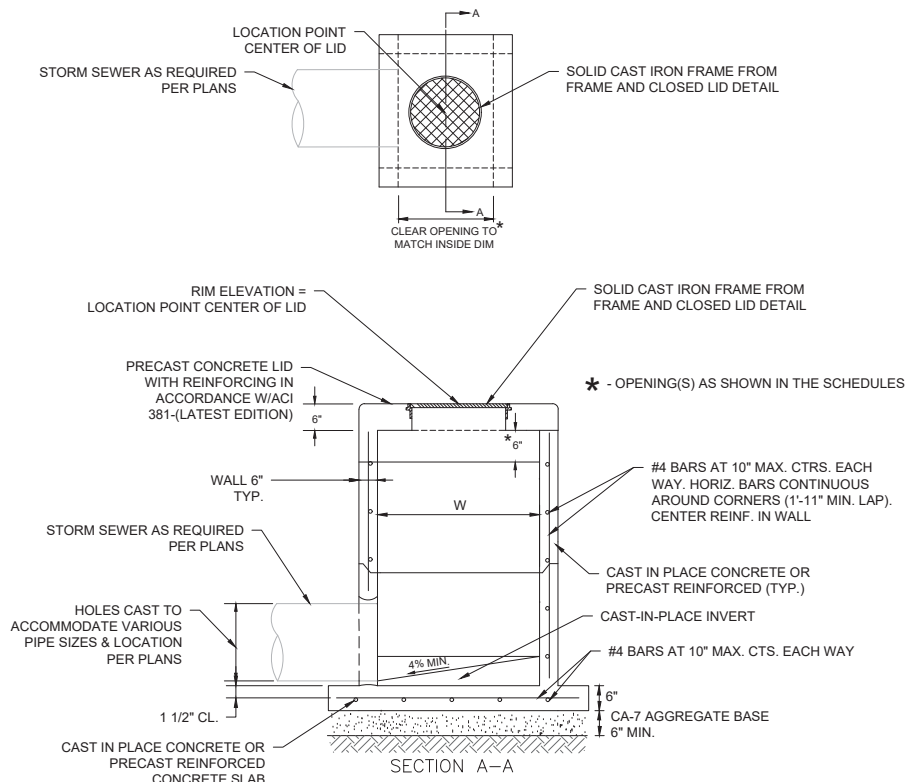
DETAILS

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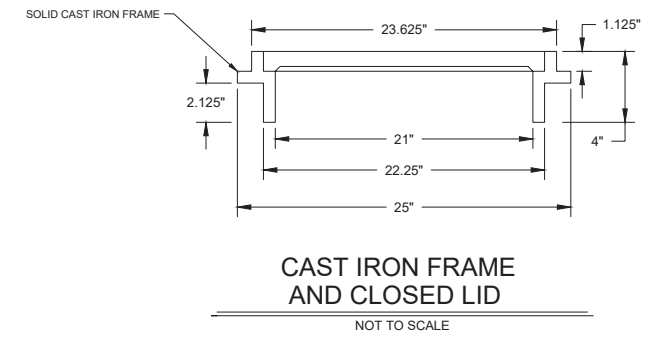
MANHOLE TO BE RECONSTRUCTED STA 13+50.68

N.T.S.



INLET SPECIAL (AREA INLET)

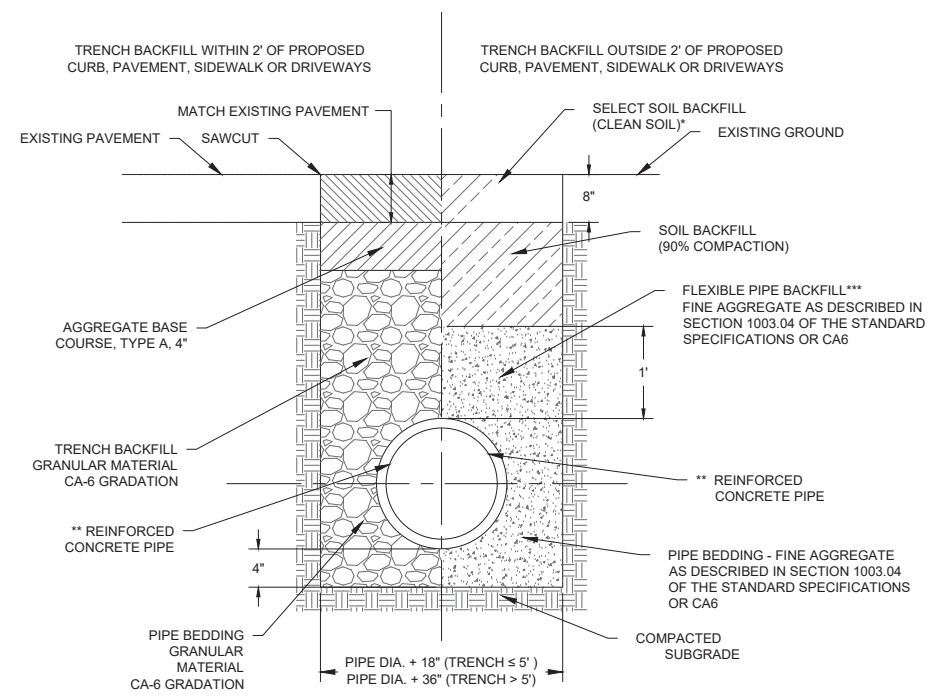
N.T.S.



CAST IRON FRAME AND CLOSED LID

NOT TO SCALE

INLET TYPE	INSIDE WIDTH, W
INLET SPECIAL, NO. 1	3' X 3'



TRENCH BACKFILL DETAIL

NOT TO SCALE

- NOTES:**
- * - PROVIDE SUFFICIENT MATERIAL TO ACCOUNT FOR SETTLEMENT (CONTRACTOR SHALL RESTORE ALL LANDSCAPING TO EXISTING CONDITIONS OR TO THE LINES AND GRADES SHOWN ON THE PLANS)
 - ** - SEE SCHEDULES TO VERIFY CLASS AND TYPE OF PIPE TO BE USED
 - *** - WHEN CONCRETE PIPE IS USED BEYOND 2' OF PAVEMENT AREAS, "FLEXIBLE PIPE BACKFILL" WILL NOT BE REQUIRED.

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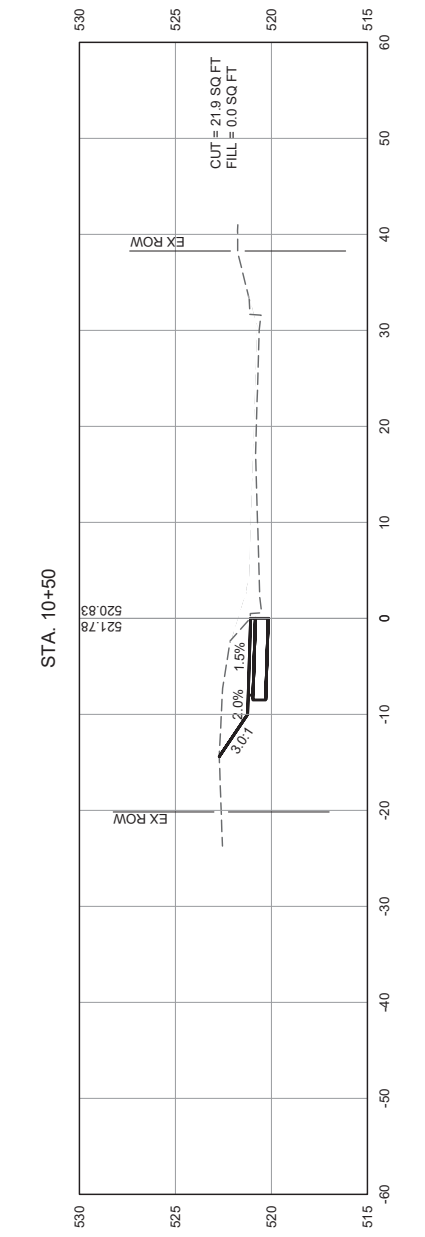
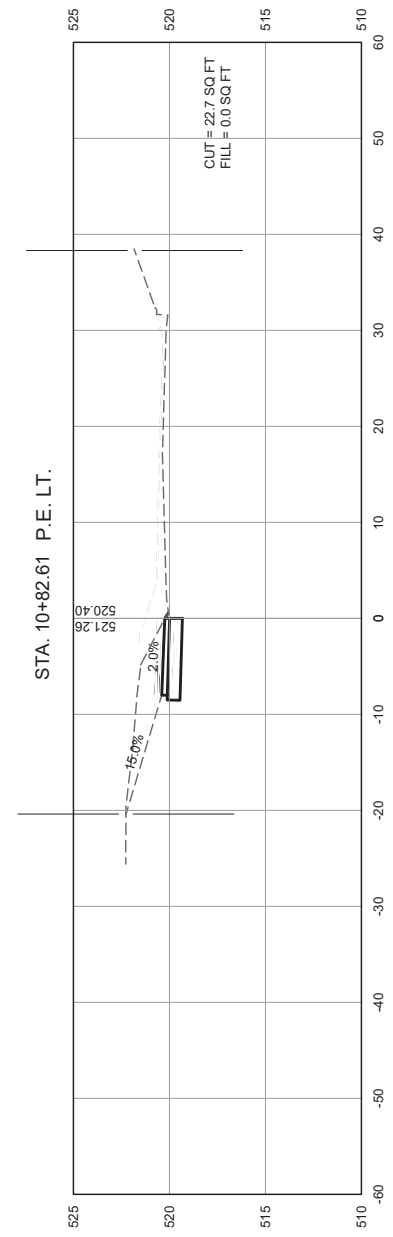
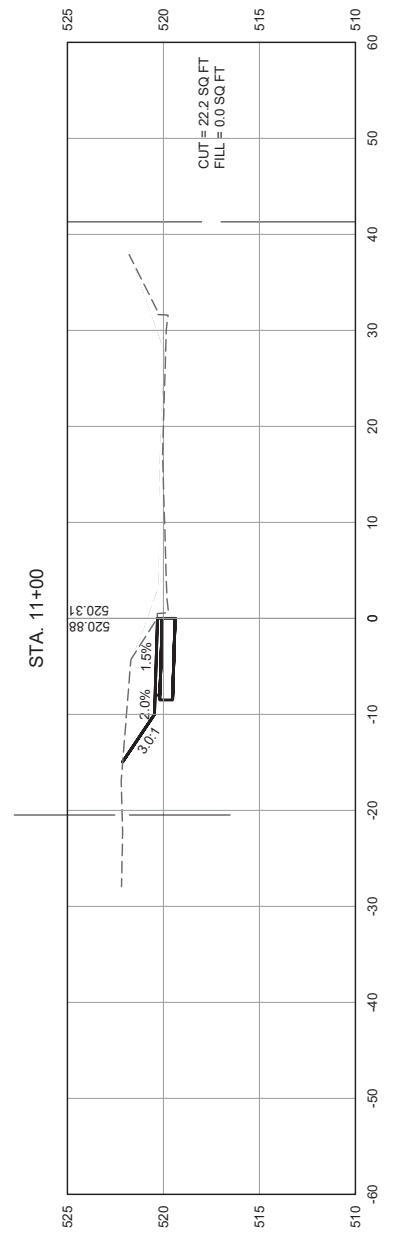
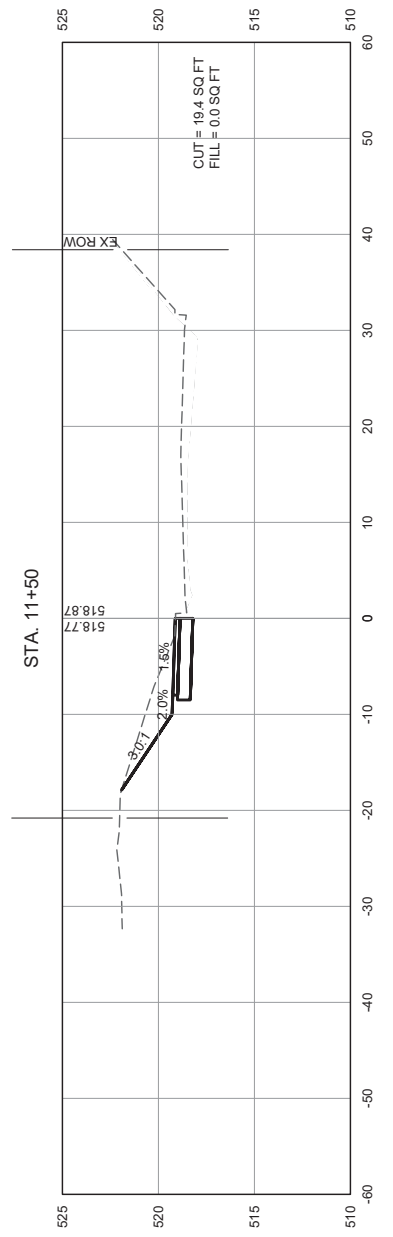
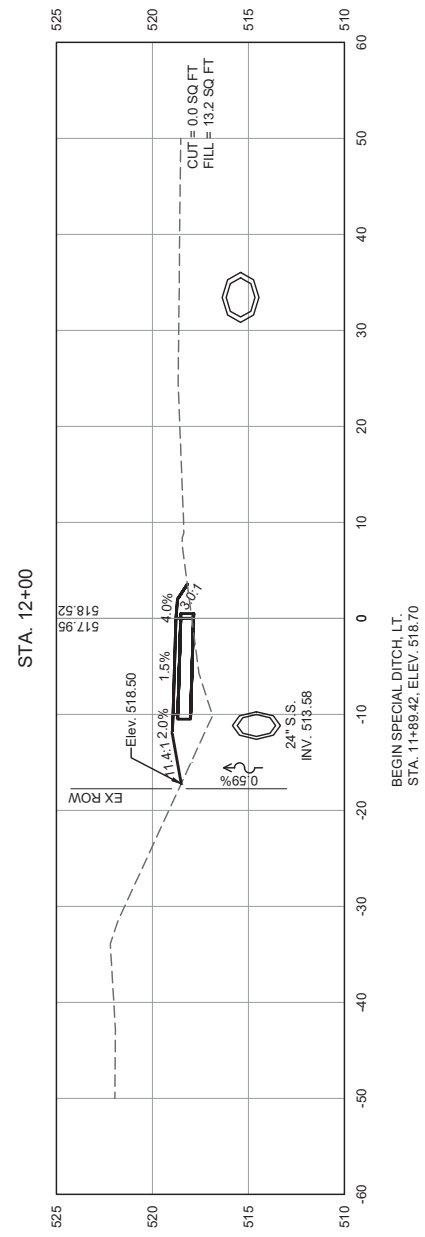
GONZALEZ COMPANIES, LLC
 525 WEST MAIN STREET
 BELLEVILLE IL 62220
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DETAILS

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	24



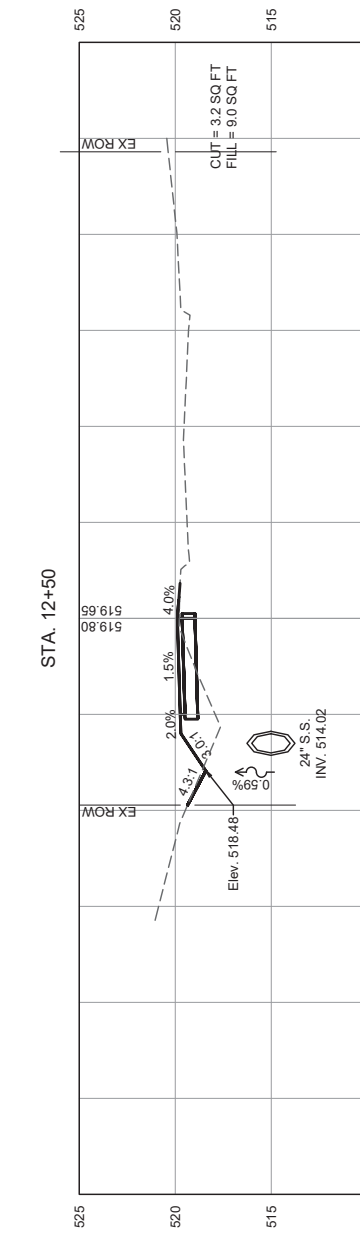
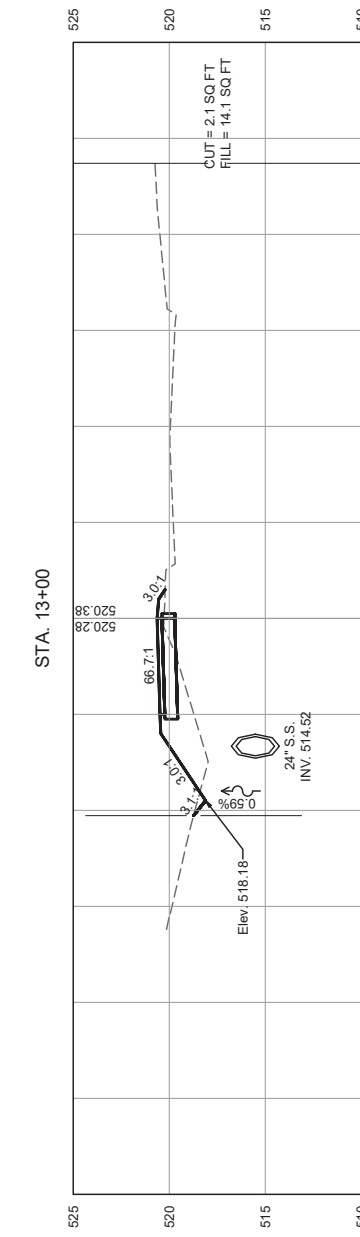
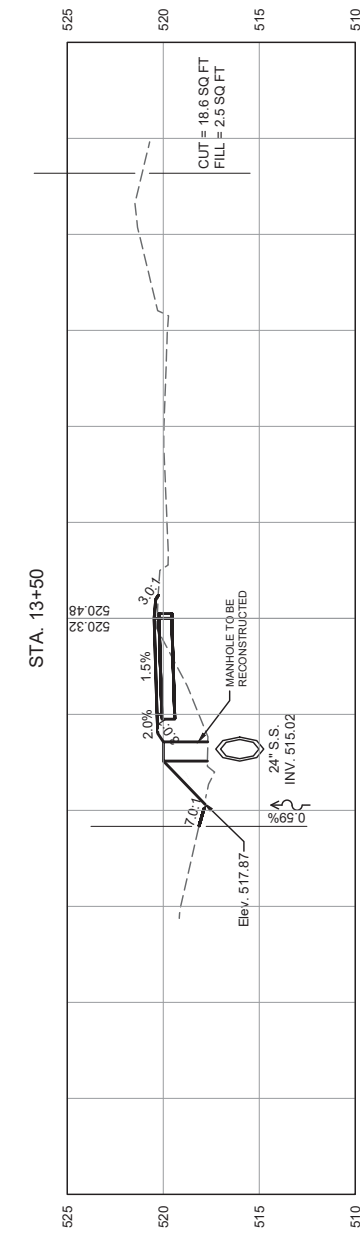
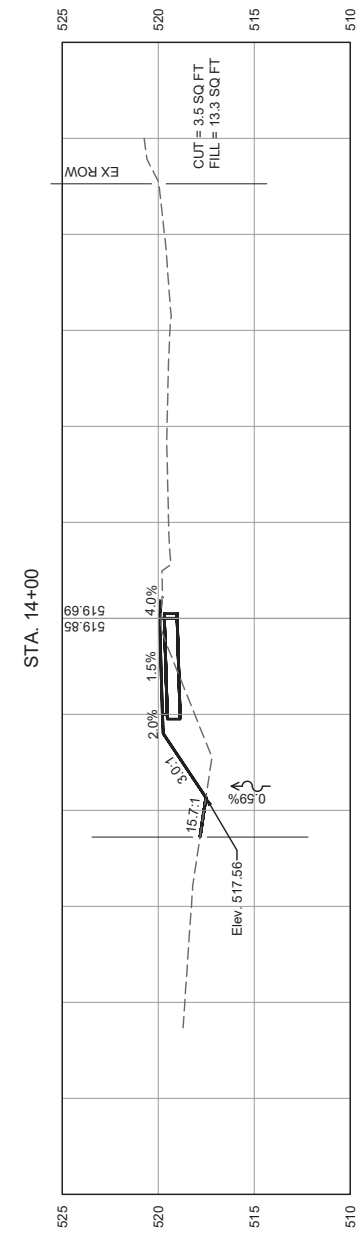
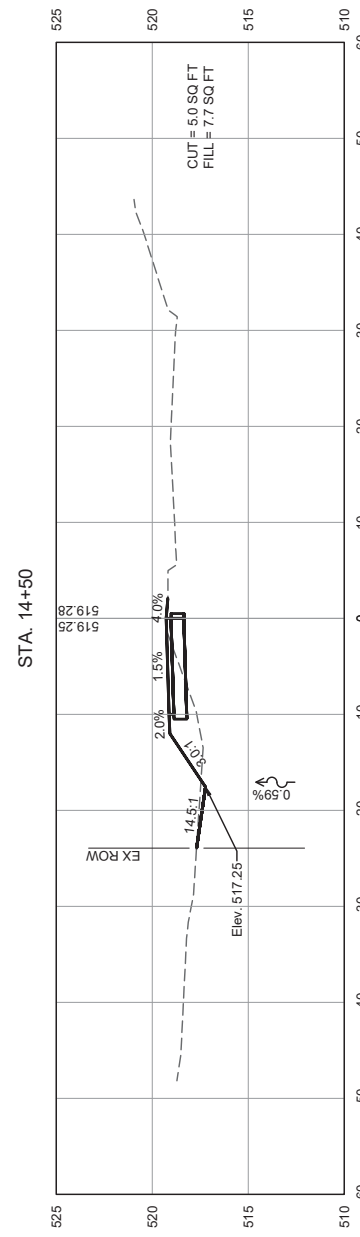
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STA. 10+50 TO STA. 12+00

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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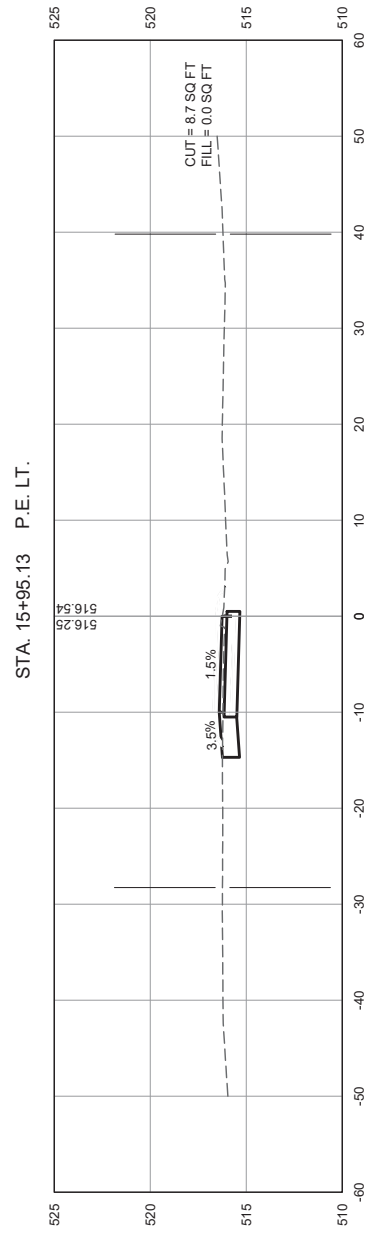
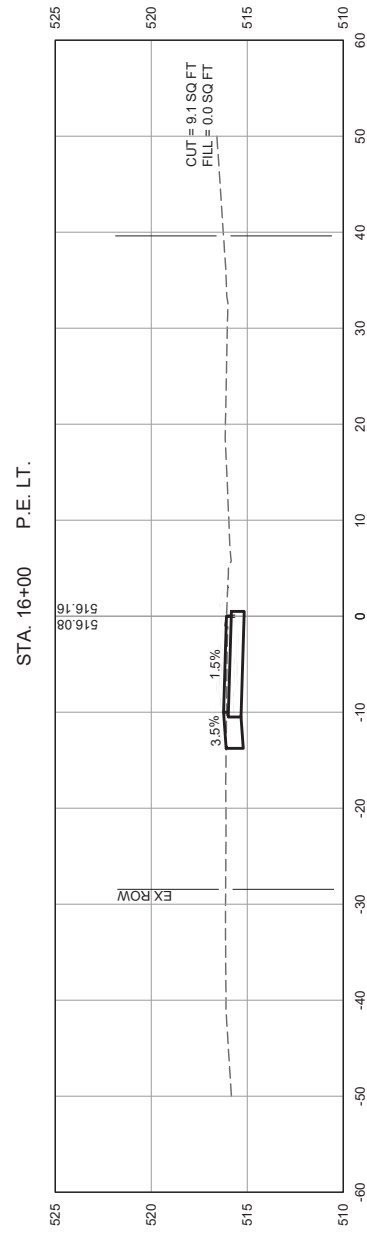
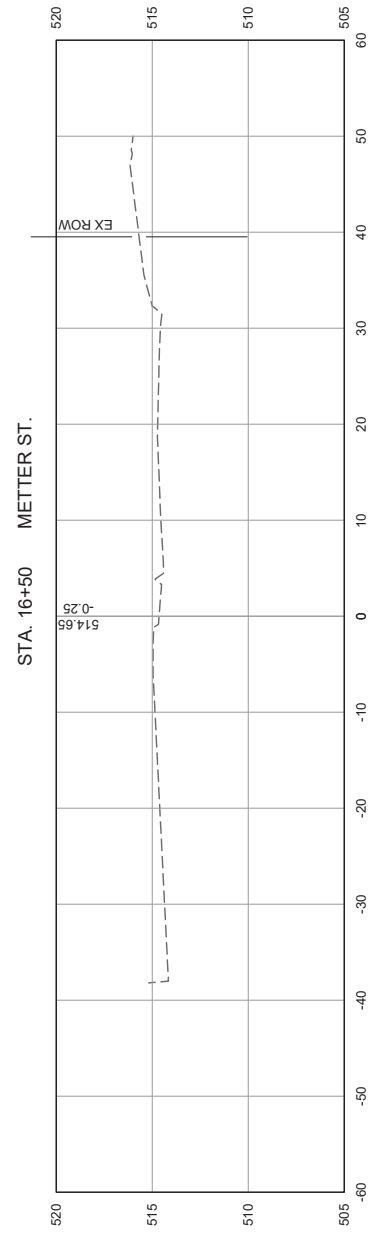
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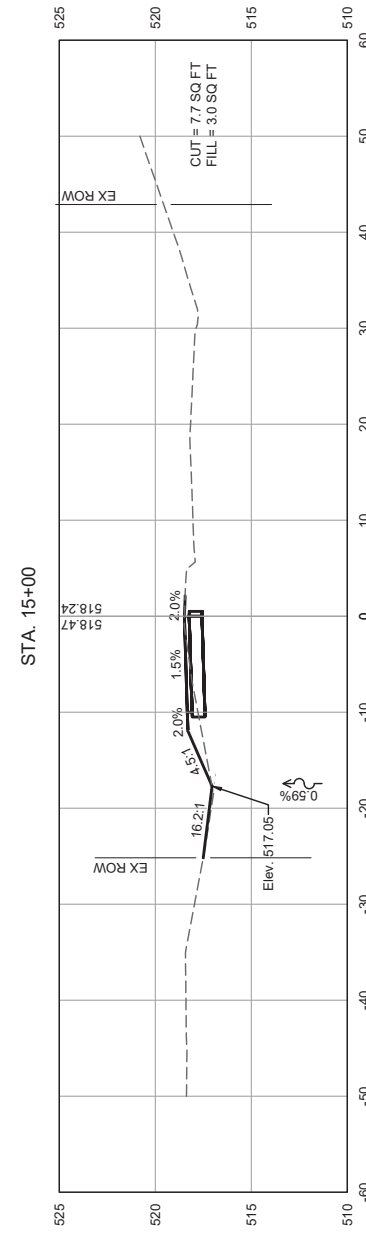
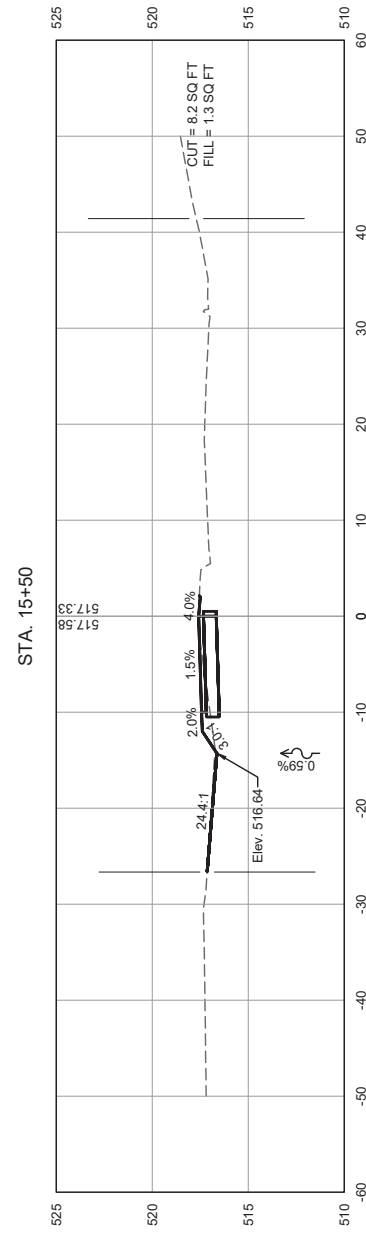
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STA. 12+50 TO STA. 14+50

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	26



END SPECIAL DITCH, LT.
STA. 15+69.34, ELEV. 516.52



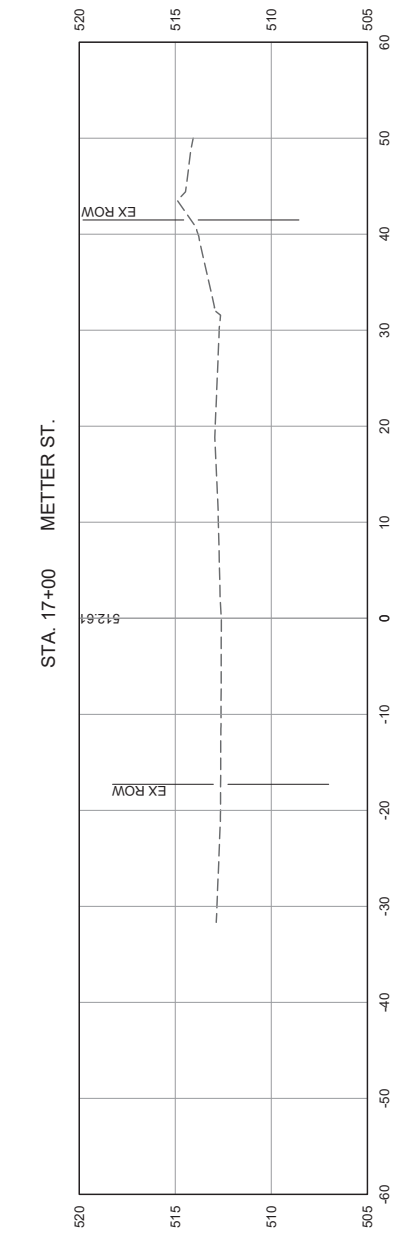
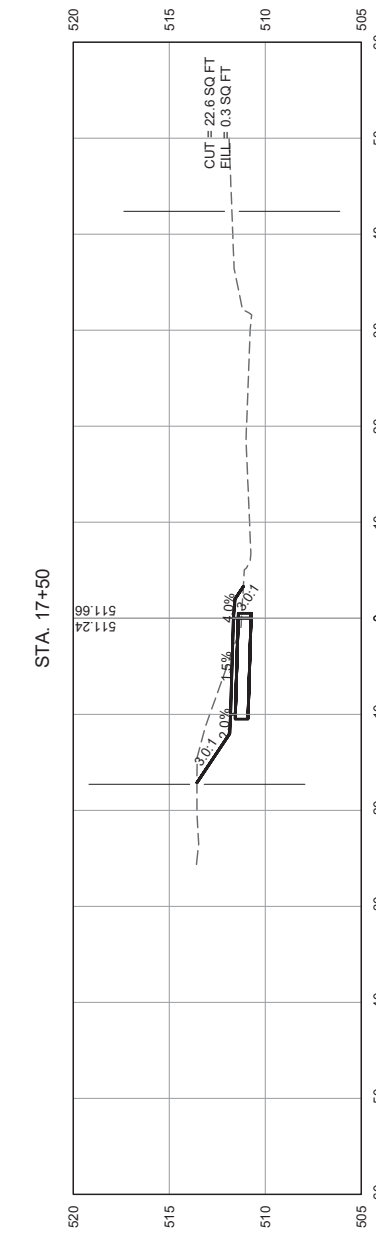
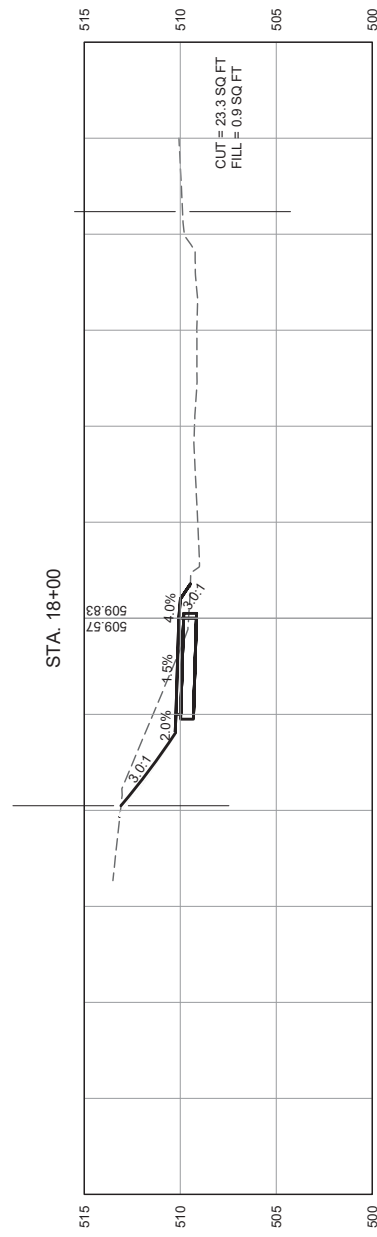
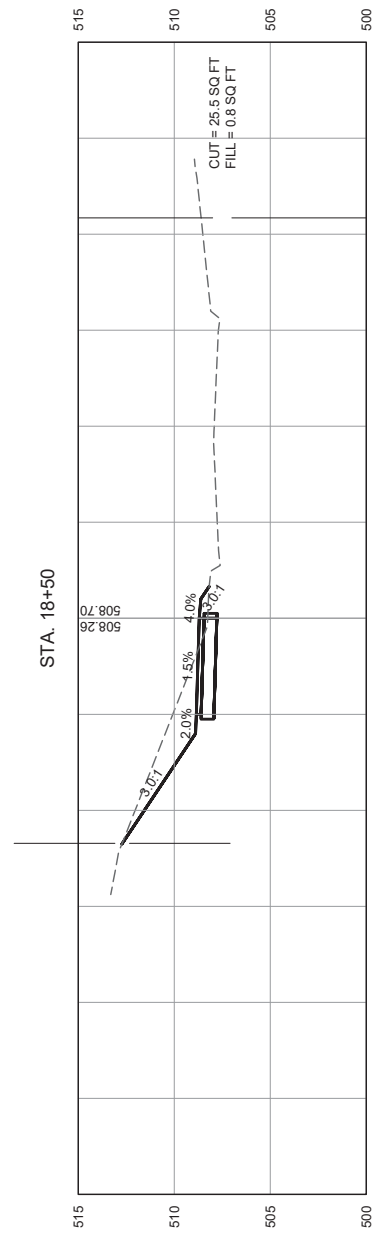
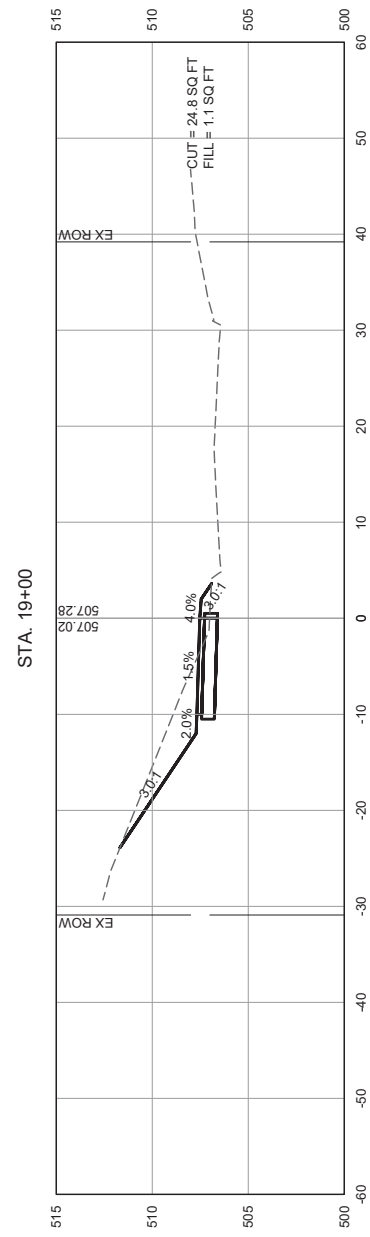
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STATE OF ILLINOIS
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CROSS SECTIONS STA. 15+00 TO STA. 16+50

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	27



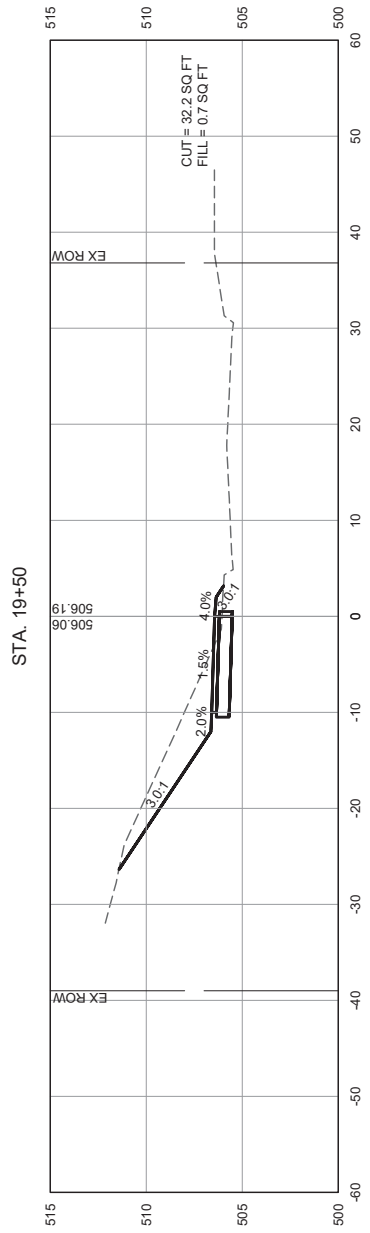
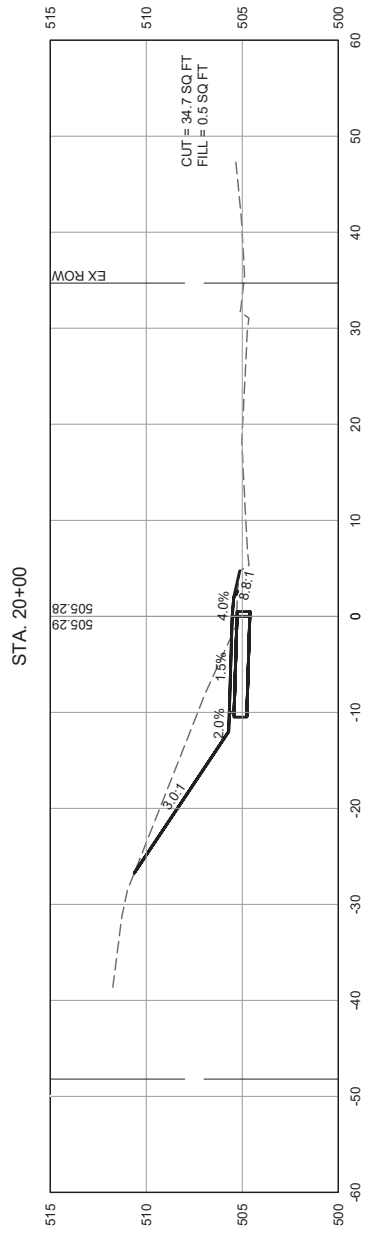
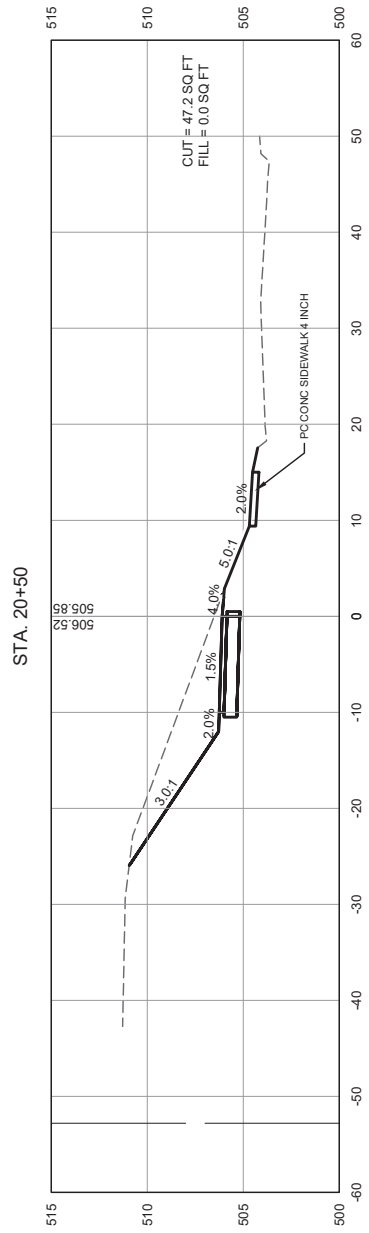
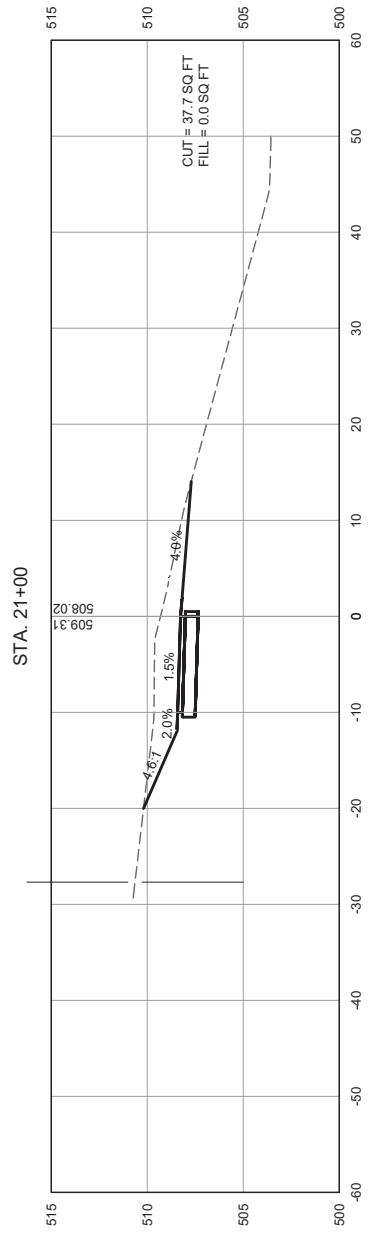
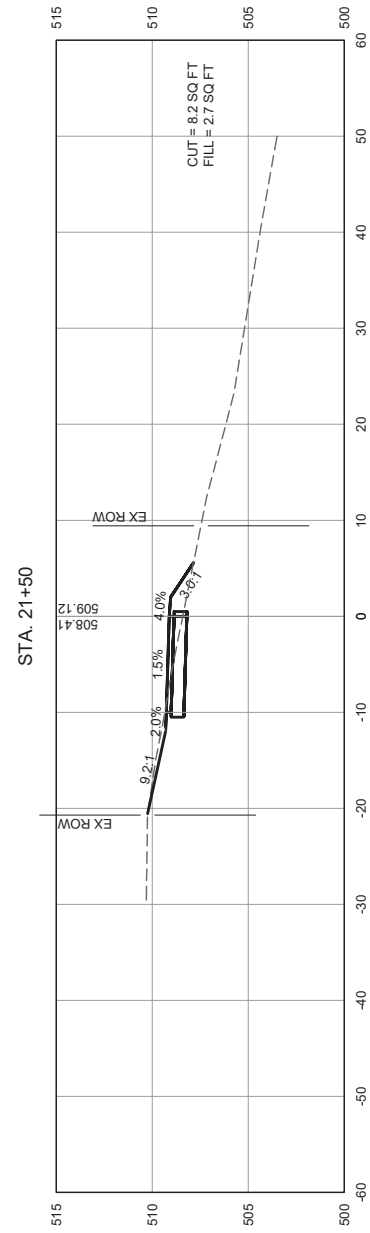
GONZALEZ COMPANIES, LLC
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CROSS SECTIONS STA. 17+00 TO STA. 19+00

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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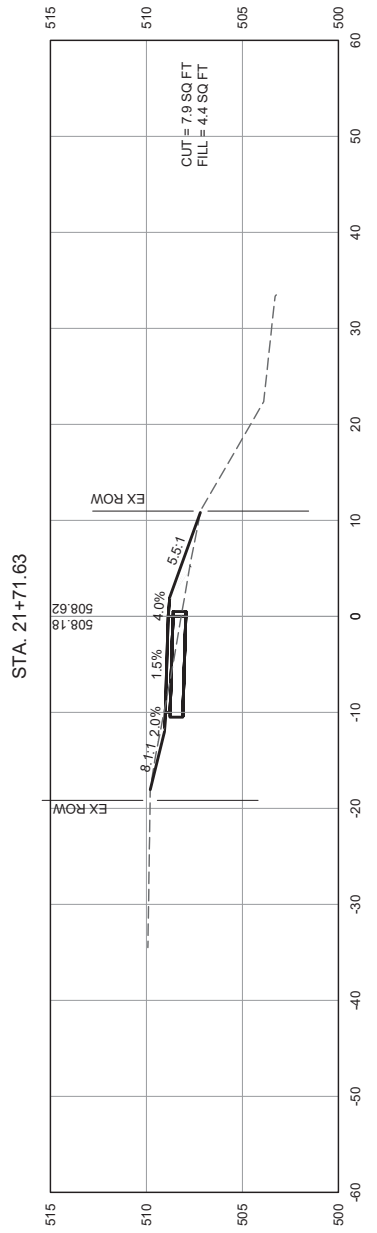
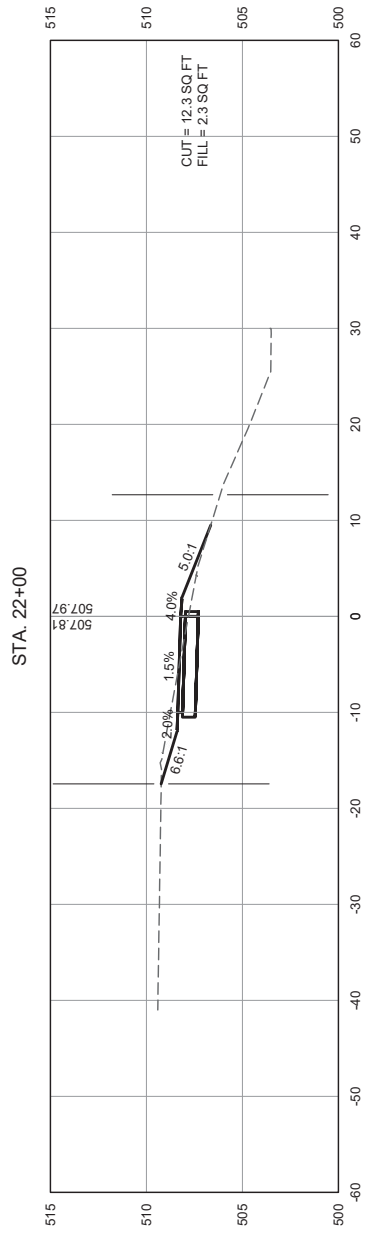
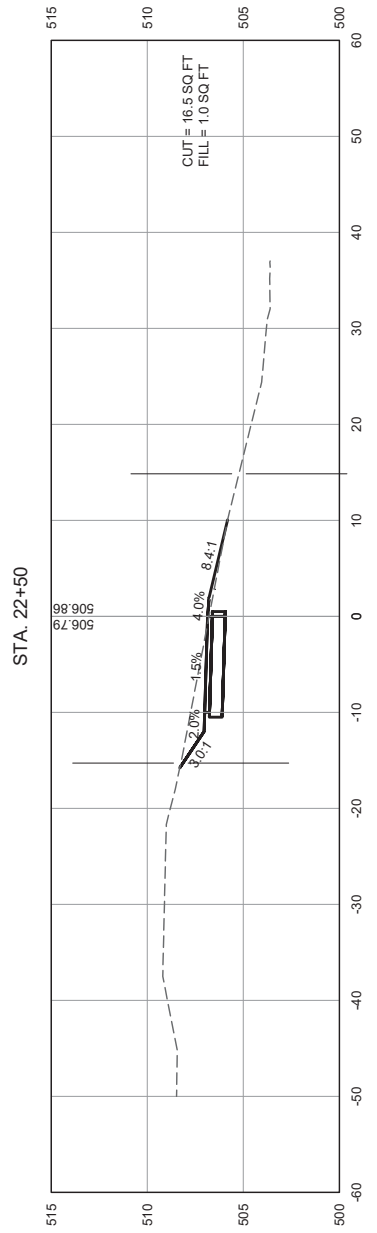
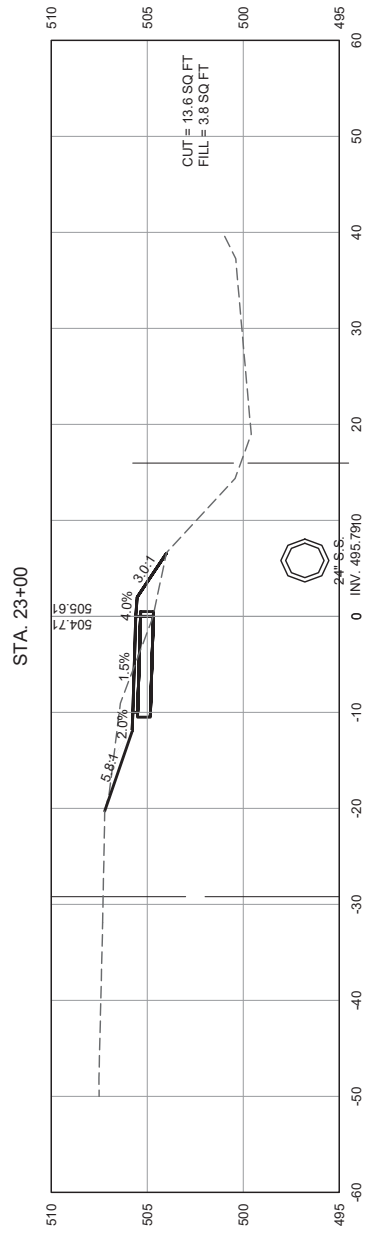
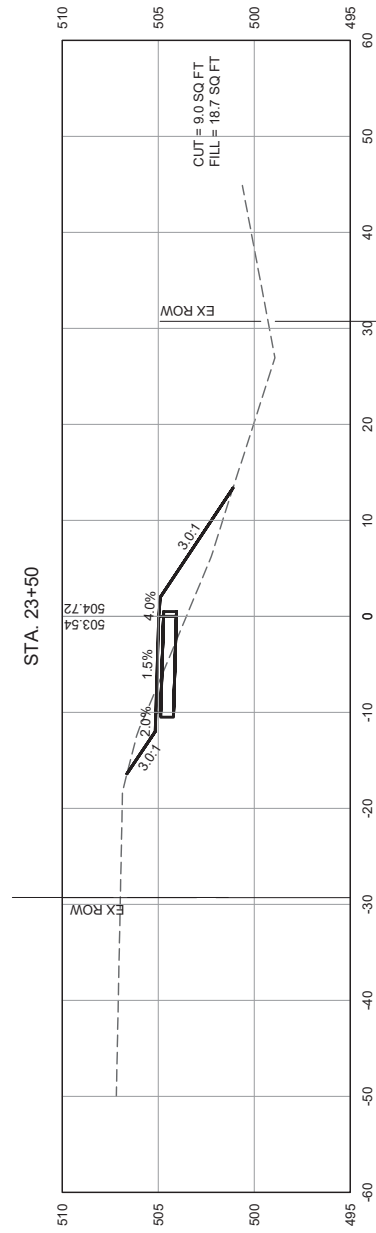
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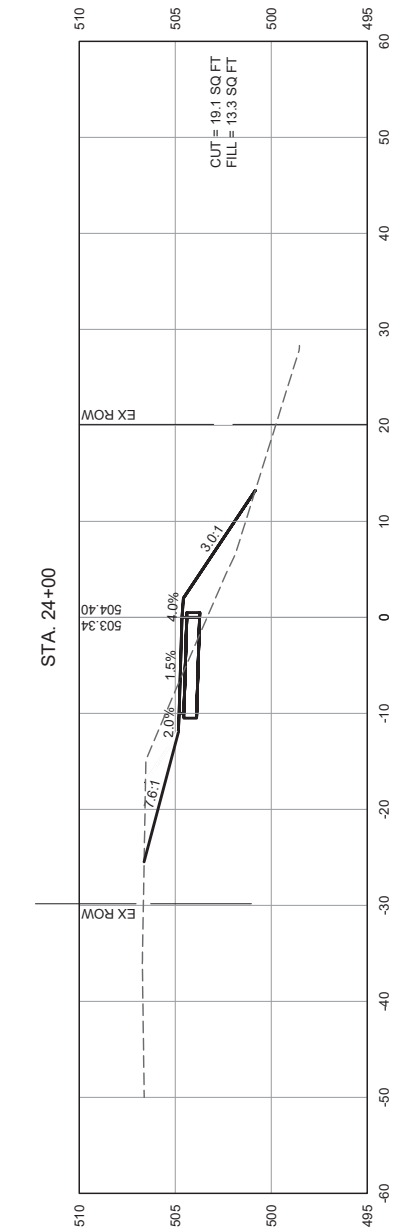
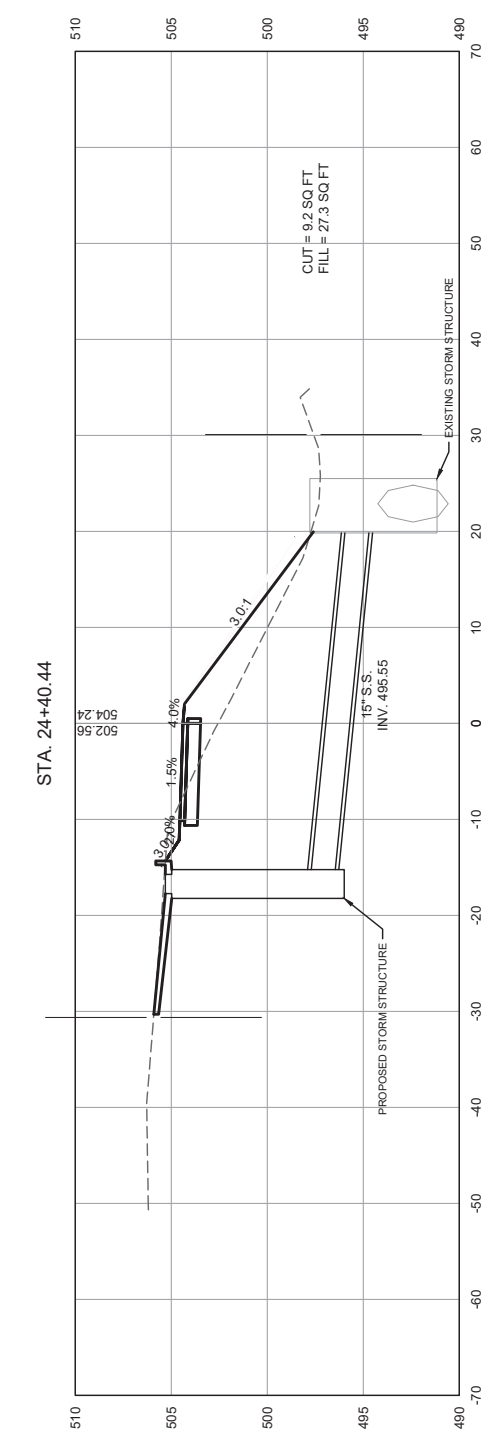
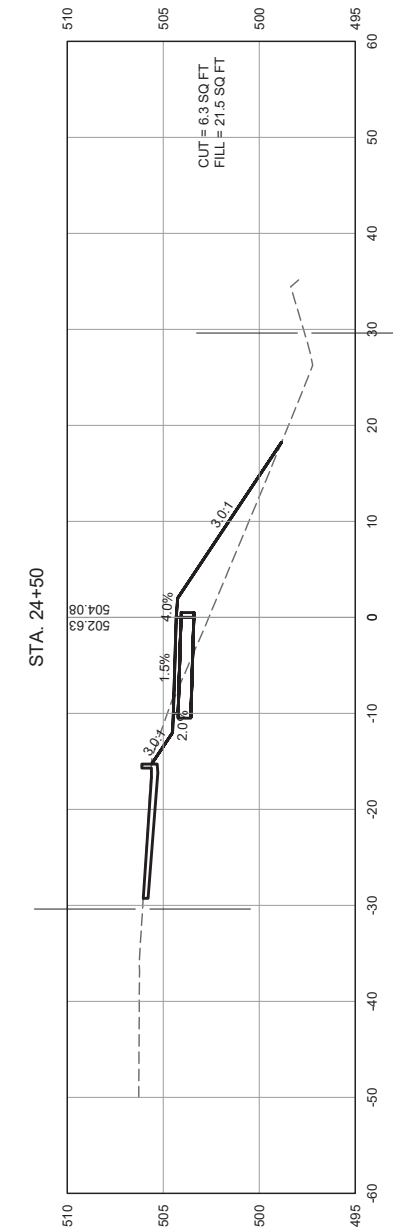
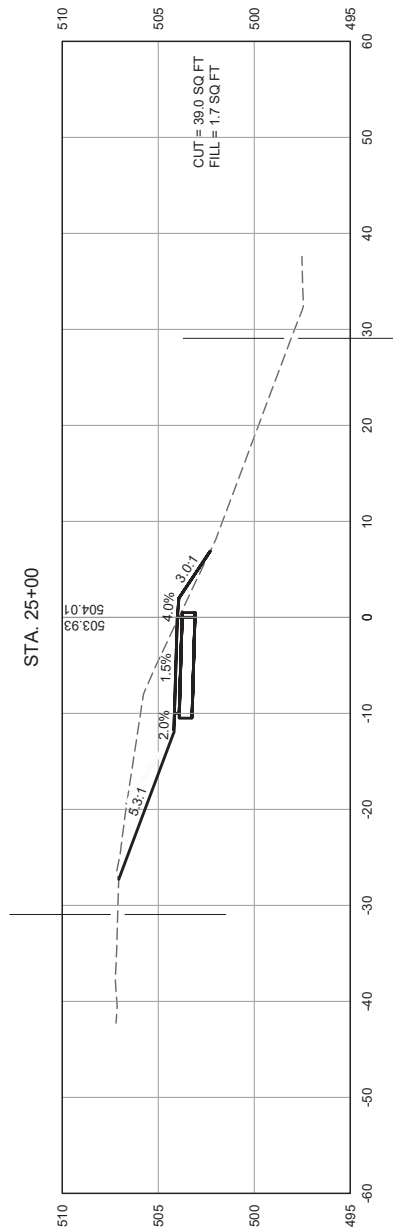
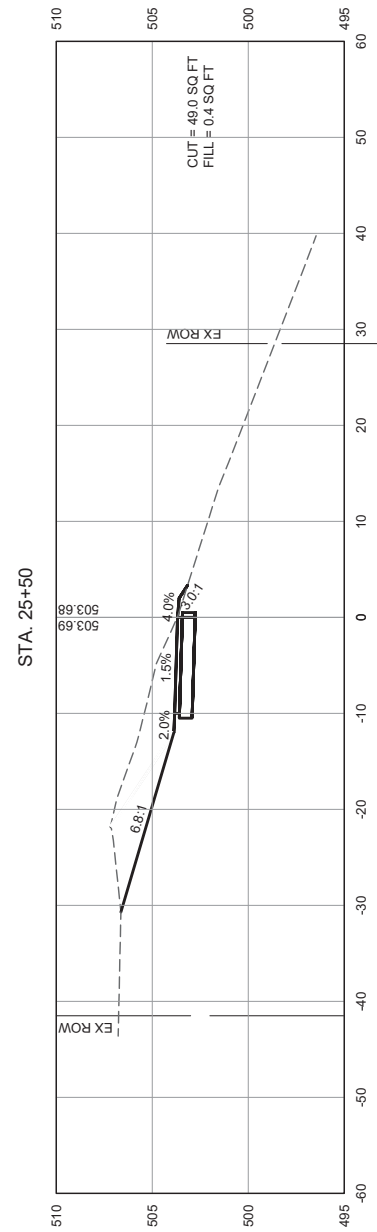
DESIGNED	— JS	REVISED	—
DRAWN	— JS	REVISED	—
CHECKED	— TS	REVISED	—
DATE	— 2/15/23	REVISED	—

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STA. 19+50 TO STA. 21+50

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	29





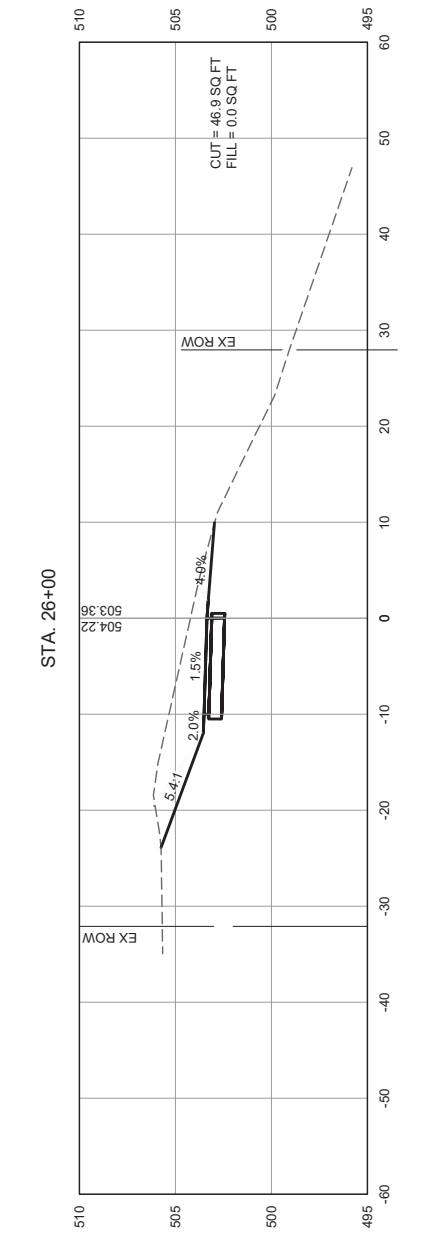
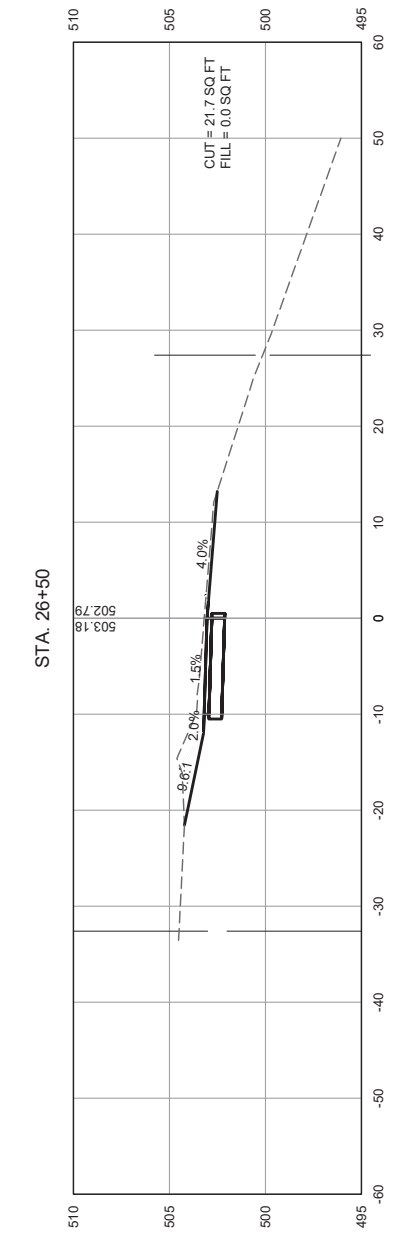
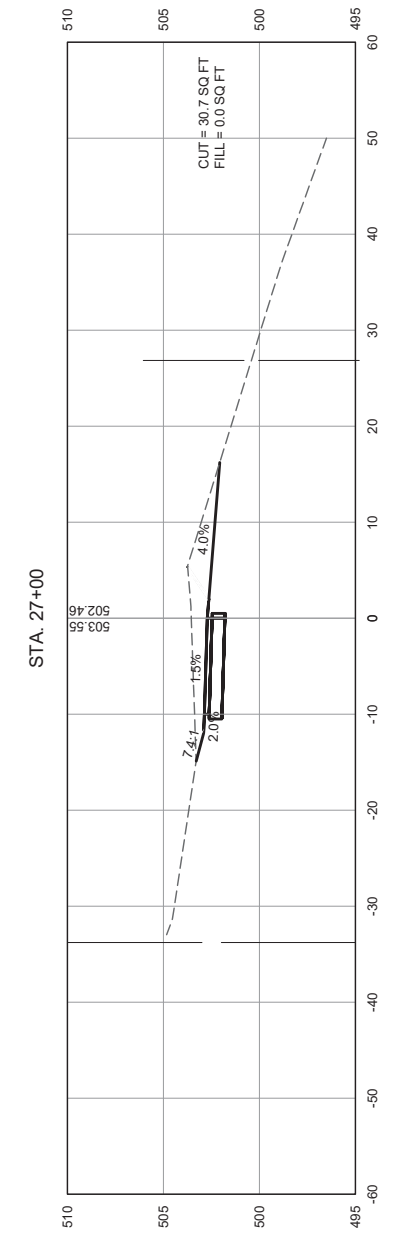
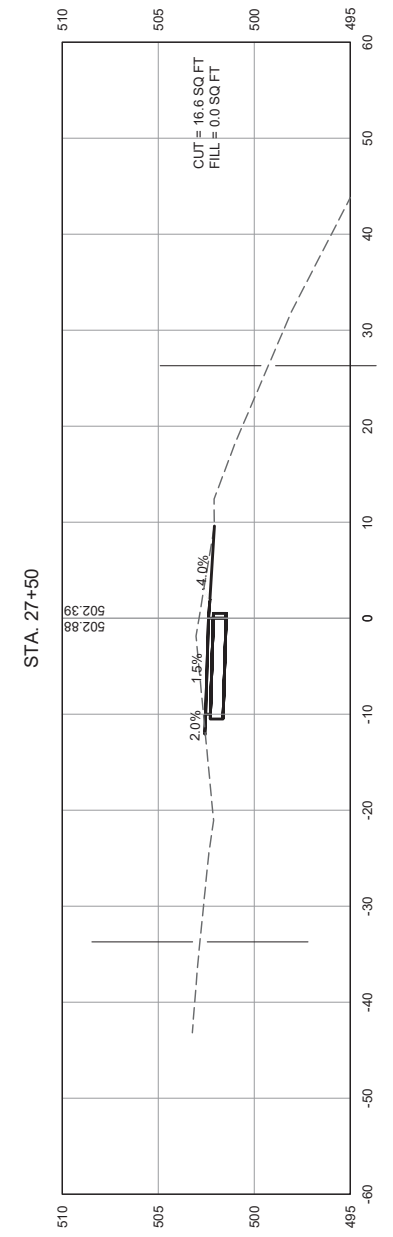
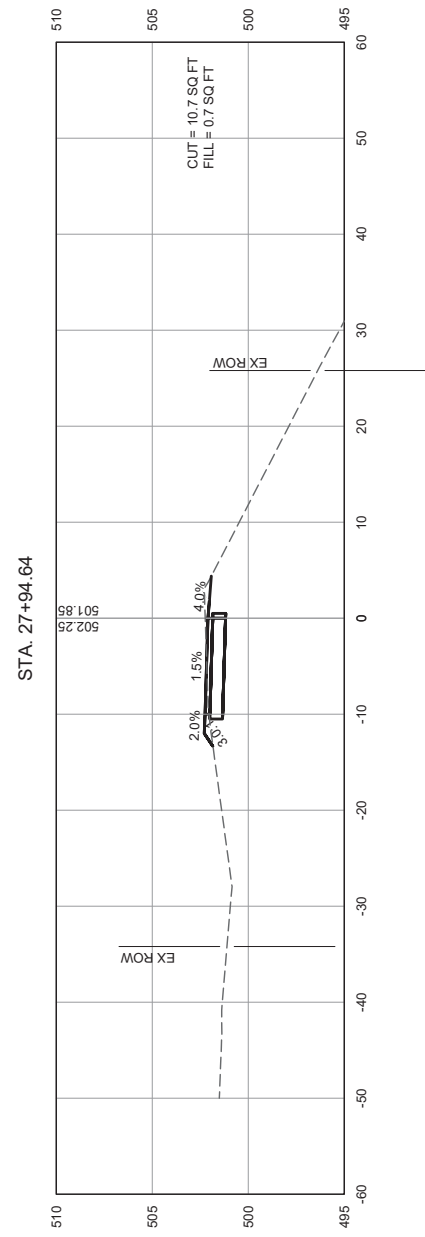
GONZALEZ COMPANIES, LLC
 525 WEST MAIN STREET
 BELLEVILLE IL 62220
 PHONE (618-222-2221)
 www.gonzalezcos.com
 ILLINOIS PROFESSIONAL DESIGN FIRM 184.004564

DESIGNED	— JS	REVISED	—
DRAWN	— JS	REVISED	—
CHECKED	— TS	REVISED	—
DATE	— 2/15/23	REVISED	—

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STA. 24+00 TO STA. 25+50

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	31



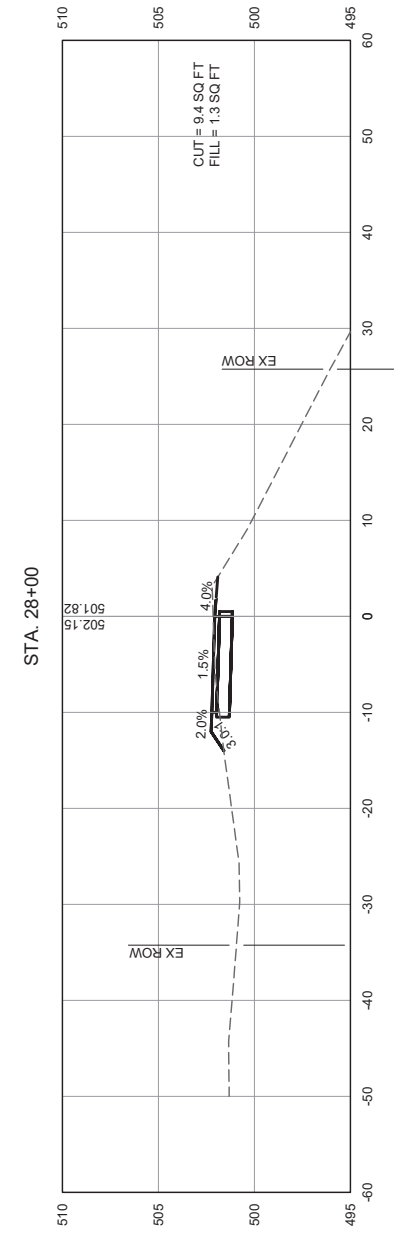
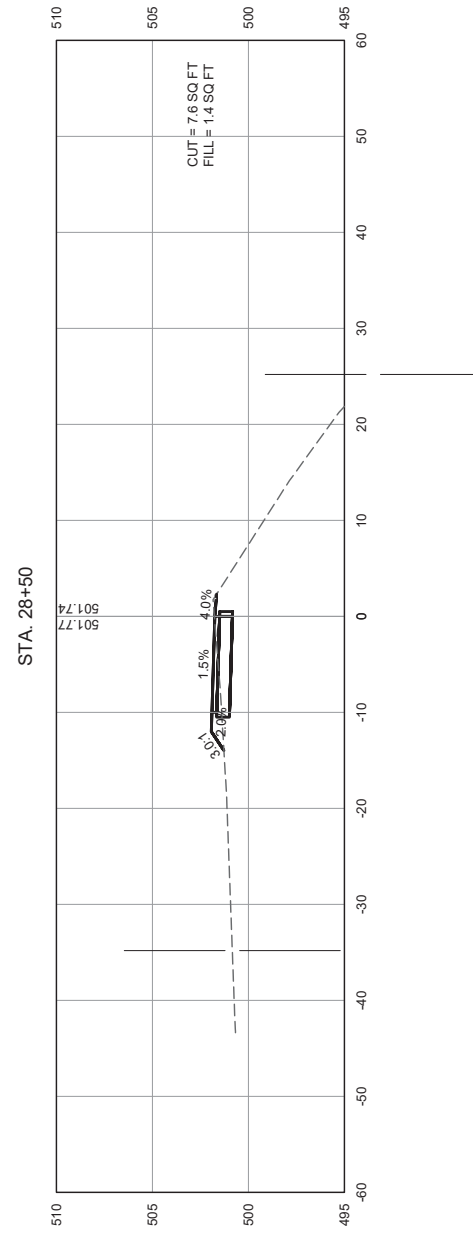
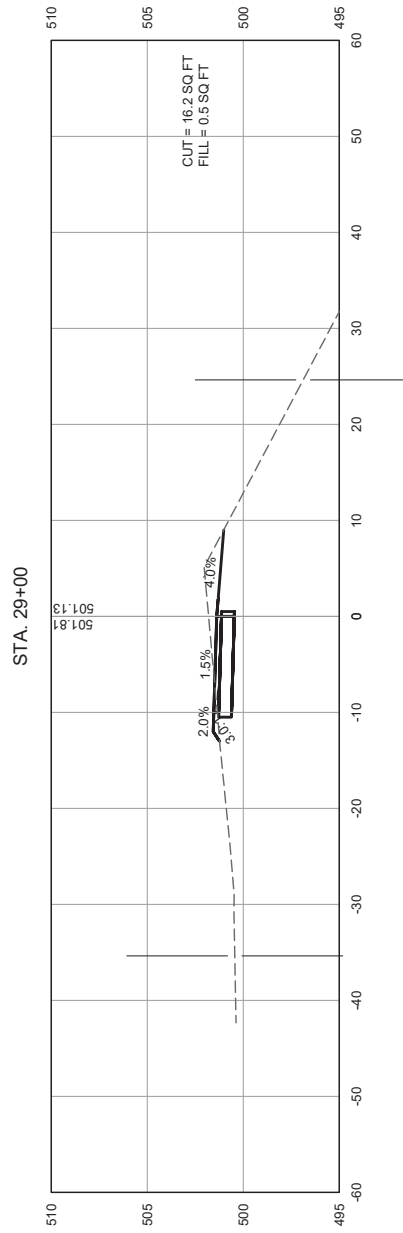
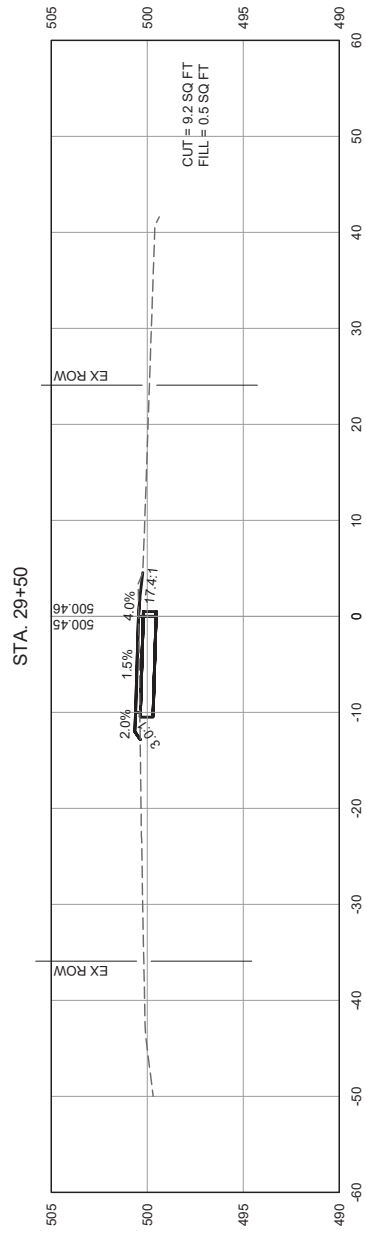
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DESIGNED	— JS	REVISED	—
DRAWN	— JS	REVISED	—
CHECKED	— TS	REVISED	—
DATE	— 2/15/23	REVISED	—

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STA. 26+00 TO STA. 27+94

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	32



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DESIGNED	— JS	REVISED	—
DRAWN	— JS	REVISED	—
CHECKED	— TS	REVISED	—
DATE	— 2/15/23	REVISED	—

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS STA. 28+00 TO STA. 29+50

CONTRACT NO.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
97798	MUN650	21-00057-00-BT	MONROE	33	33