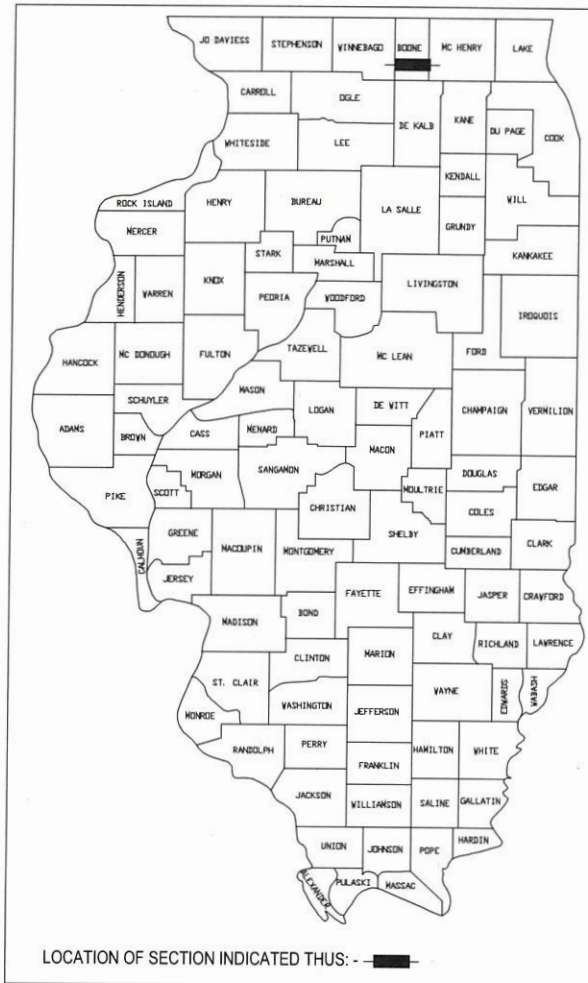


INDEX	06/17/2022 LETTING ITEM 194
Sheet # 1	Cover
Sheet # 2	General Notes and Specification, and Quantities
Sheet # 3	Typical Sections
Sheets # 4 - 12	Existing Conditions and Demolition Plan
Sheets # 13 - 29	Plan and Profile
Sheet # 30-32	Stormwater Pollution Prevention Plan
Sheets # 33 - 36	ADA Grading Detail Plans
Sheet # 37	Traffic Signal Plan
Sheet # 38	Traffic Signal Details
Sheets # 39 - 47	Cross Sections
Sheets # 48 - 54	Details

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**SOUTH PISCASAW
CREEK CONNECTION**

(FAU 5211) LAWRENCEVILLE RD
SECTION 21-00115-00-BT
PROJECT NO. XM3N(979)
SHARED USE PATH
BOONE COUNTY
JOB NO. C-92-084-21



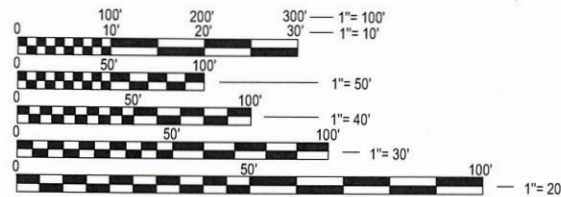
F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00115-00-BT	BOONE	54	1
ILLINOIS CONTRACT NO. 85726				
SOUTH PISCASAW CREEK CONNECTION BOONE COUNTY, ILLINOIS				
PREPARED BY: C.E.S. INC. 700 W. LOCUST ST., BELVIDERE, IL 61008 PHONE: (815) 547-8435, FAX: (815) 544-0421 ILLINOIS DESIGN FIRM NO. 184-001260				
Date	REVISION HISTORY			

- 33.1 CONCRETE COLLARS FOR PIPE OR BOX CULVERT EXTENSIONS
- 41.1 TYPICAL PAVEMENT MARKINGS

NUMBER	NAME
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542406-04	METAL FLARED END SECTION FOR PIPE ARCH
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
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 AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

COMMITMENTS:

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.
1. TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH SEPTEMBER 30TH OF ANY GIVEN YEAR.



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. 85726



SCALES:
ADA DETAILS, TRAFFIC SIGNAL PLANS, STRUCTURE PLANS: 1" = 10'
CROSS SECTIONS: 1" = 10' HORIZONTAL / 1" = 2' VERTICAL
PLAN AND PROFILES: 1" = 20' HORIZONTAL / 1" = 5' VERTICAL
EROSION CONTROL PLANS: 1" = 20'

FUNCTIONAL CLASSIFICATION OF STREETS:

STREET NAME	CLASSIFICATION	ADT	POSTED SPEED
LAWRENCEVILLE RD	MAJOR COLLECTOR	1950-4950	45 MPH
US BUS RT. 20	PRINCIPAL ARTERIAL	8200-12000	55 MPH
SHARED-USE PATH	N/A	-	20 MPH

GROSS LENGTH = 7,650 FT. = 1.45 MILE

AGENCY RESPONSIBLE FOR LETTING		
APPROVED	April 5, 2022 <i>[Signature]</i>	(DATE) (SIGNATURE)
EXECUTIVE DIRECTOR, BOONE COUNTY CONSERVATION DISTRICT		
PASSED	4/21/22 <i>[Signature]</i>	(DATE) (SIGNATURE)
DISTRICT #2 ENGINEER OF LOCAL ROADS & STREETS		
RELEASED FOR BID BASED ON LIMITED REVIEW	4/21/22 <i>[Signature]</i>	(DATE) (SIGNATURE)
DEPUTY DIRECTOR OF HIGHWAYS, REGION #2 ENGINEER		

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTACT:
J.U.L.I.E.
DIAL: 811
PRIOR TO ANY CONSTRUCTION

PRINTED: 4/21/2022 7:42:05 AM

SEAL COVERS SHEETS 1 - 54

KEVIN C. BUNGE, PE
DATE 4/20/2022
EXPIRES 11/30/2023



CONSTRUCTION TYPE CODE: 0028

Table with 4 columns: ITEM NO., DESCRIPTION, UNIT, QUANTITY. Lists various construction items like Earth Excavation, Fertilizer Nutrient, Culverts, and Roadway Marking.

SPECIALTY ITEMS

GENERAL CONSTRUCTION NOTES:

- 1. IN THESE CONTRACT DOCUMENTS MENTION IS MADE TO THE 'ENGINEER', WHICH SHALL BE THE OWNERS AUTHORIZED AGENT... 2. ALL WORK SHALL BE PERFORMED UTILIZING MATERIALS AND METHODS IN STRICT ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS...

ROADWAY CONSTRUCTION:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY EXISTING STREET AND TRAFFIC SIGNS AND POLES NOT INDICATED FOR REMOVAL OR RELOCATION... 2. DEPRESSED (HANDICAPPED) CURBS ARE REQUIRED AT ALL LOCATIONS WHERE THE PROPOSED PATH INTERSECTS CURB AND GUTTER...

CONTRACTOR SHALL NOTIFY THE OWNER 48 HOURS PRIOR TO ANY TESTS. PROOF-ROLLING SHALL BE PERFORMED WITH A FULLY LOADED SIX WHEELER.

- 4. THE COST OF BACKFILLING THE CURB AND GUTTER IS INCIDENTAL TO THE UNIT PRICE BID PER LINEAL FOOT OF CURB AND GUTTER, OF THE TYPE SPECIFIED.

UTILITY CONSTRUCTION:

- 1. ALL SANITARY SEWER AND WATERMAIN WORK SHALL BE PERFORMED USING METHODS AND MATERIALS IN STRICT ACCORDANCE WITH THE LATEST EDITION OF 'STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS'... 2. SHOULD EXISTING UTILITIES OR STRUCTURES INTERFERE WITH THE PROPOSED CONSTRUCTION...

EXCAVATION / EROSION CONTROL NOTES:

- 1. THE CONTRACTOR SHALL FOLLOW THE 'ILLINOIS URBAN MANUAL', LATEST EDITION. THE REMOVAL OF SOME EROSION CONTROL MEASURES WHEN SURFACES ARE STABILIZED WILL BE REQUIRED... 2. THE CONTRACTOR SHALL BE REQUIRED TO PREVENT EROSION AND SILTATION OF DITCHES, CATCH BASINS, INLETS, ETC. DURING CONSTRUCTION...

Table with 5 columns: F.A. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values: 21-00115-00-BT, BOONE, 54, 2.

Legend for utility symbols. Columns: Existing, Proposed. Rows: Right-of-Way, Fence, Utility Pole, Street Light, Gas Main, Overhead Electric Line, Underground Electric Line, Electric Pedestal, Electric Transformer, Overhead Telephone Line, Underground Telephone Line, Underground Fiber Optic Line, Telephone Pedestal, Valve Box & Valve, Valve Vault & Valve, Fire Hydrant w/ Valve Box, Fire Hydrant, Watermain, Water Service w/ Curb Stop Box, Storm Manhole, Storm Catch Basin, Flared End Section, Curb Inlet Type 700, Inlet Special, Storm Sewer, Sump Pump, Sanitary Manhole, Sanitary Drop Manhole, Sanitary Cleanout, Sanitary Sewer, Sanitary Service @ 1/2" Min., Sign, Property Line, Building Setback Line, Section Line, Road Centerline, Utility Easement, Drainage Easement, Sanitary Easement, Storm Easement, Watermain Easement, Other Easement.



700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008. PHONE: (815) 547-8435, FAX: (815) 544-0421. ILLINOIS DESIGN FIRM NO. 18-4-001250

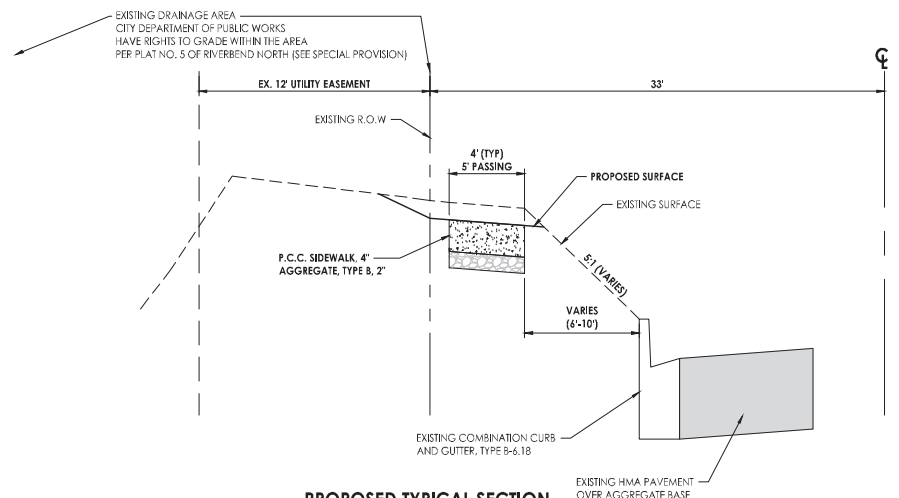
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Revision table with columns: Date, Revision, Description.

South Piskasaw Creek Connection General Notes and Specifications, and Quantities

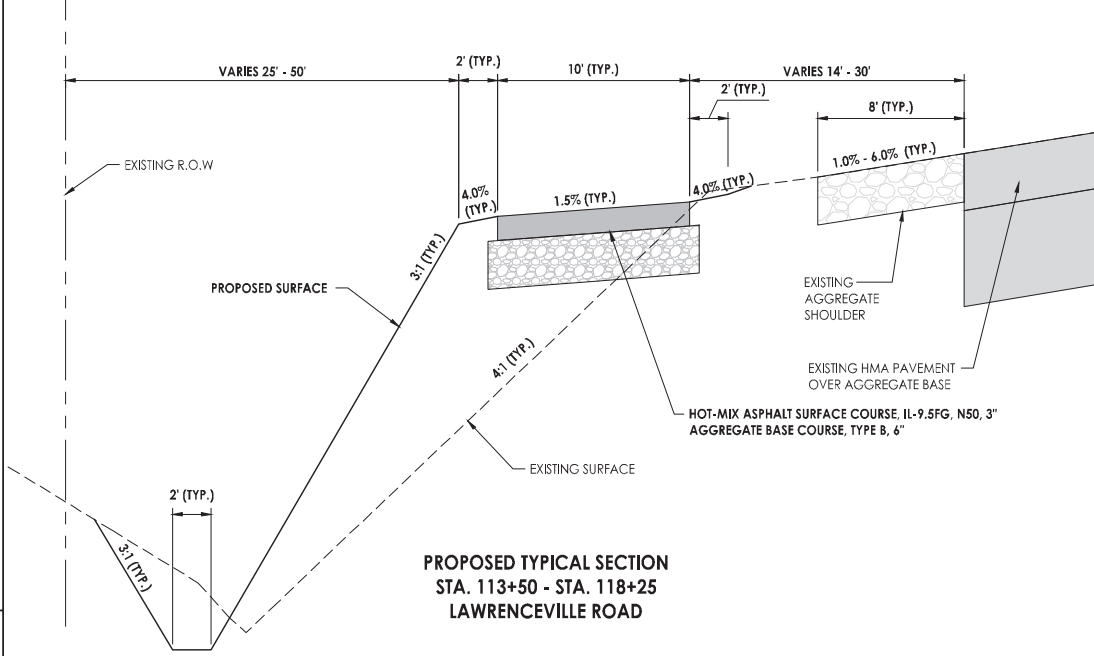
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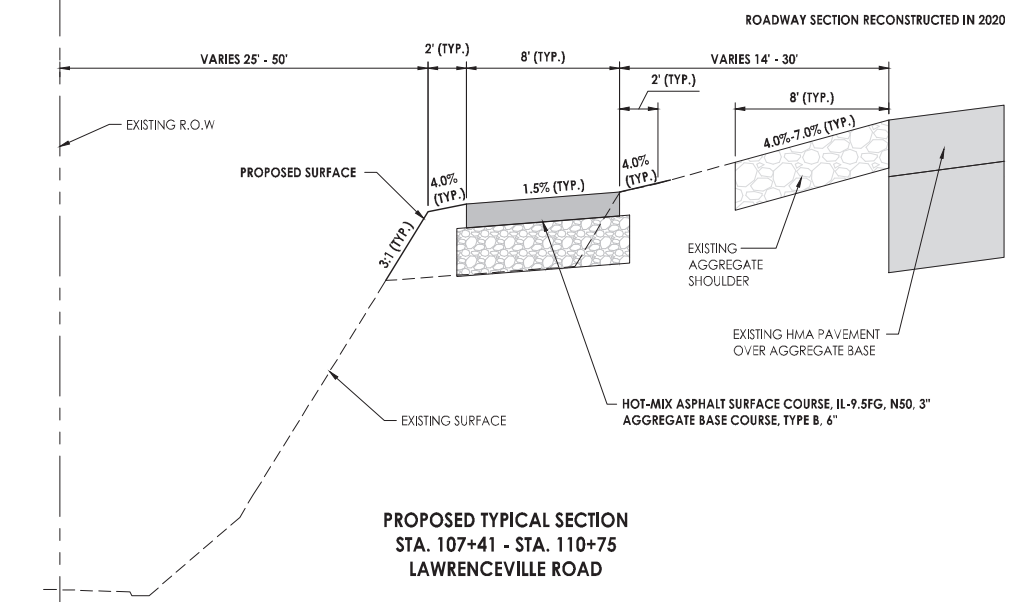


**PROPOSED TYPICAL SECTION
STA. 100+00 - STA. 107+41
LAWRENCEVILLE ROAD**

ROADWAY SECTION RECONSTRUCTED IN 2020

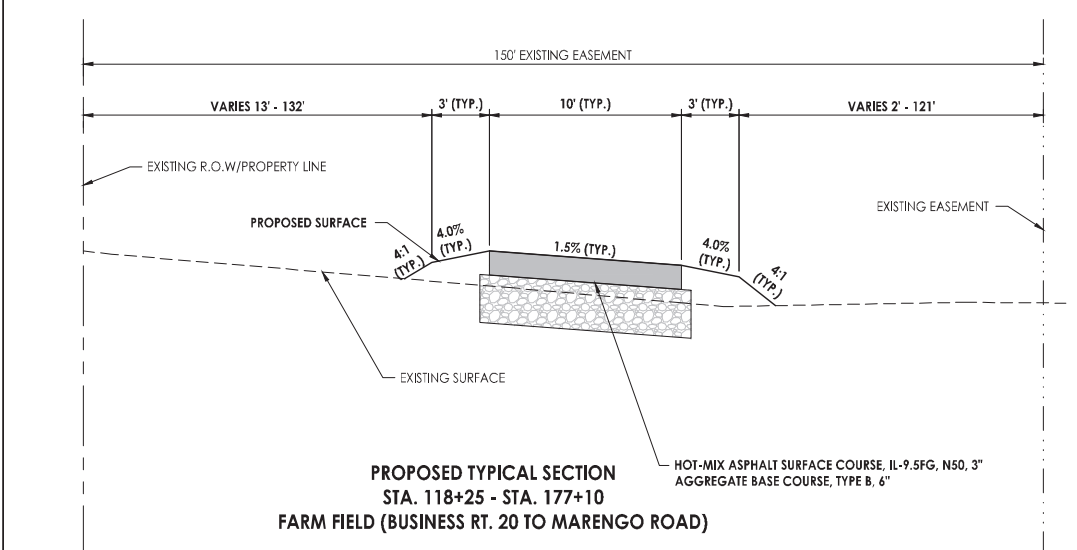


**PROPOSED TYPICAL SECTION
STA. 113+50 - STA. 118+25
LAWRENCEVILLE ROAD**

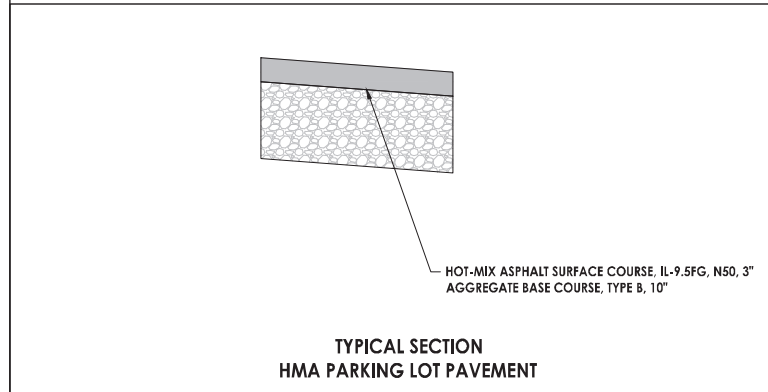


**PROPOSED TYPICAL SECTION
STA. 107+41 - STA. 110+75
LAWRENCEVILLE ROAD**

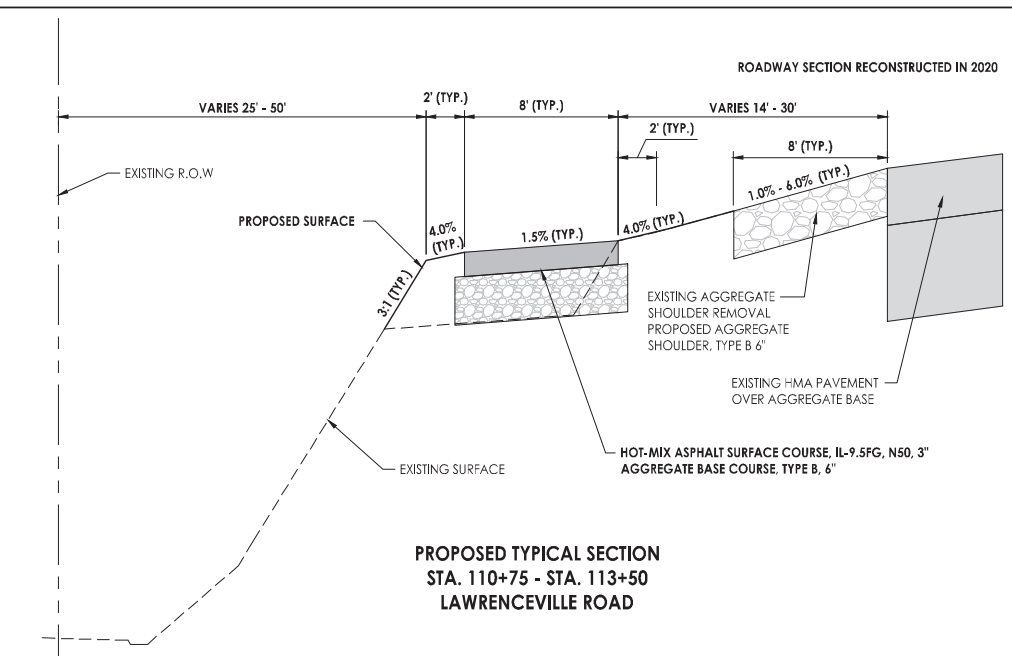
ROADWAY SECTION RECONSTRUCTED IN 2020



**PROPOSED TYPICAL SECTION
STA. 118+25 - STA. 177+10
FARM FIELD (BUSINESS RT. 20 TO MARENGO ROAD)**



**TYPICAL SECTION
HMA PARKING LOT PAVEMENT**



**PROPOSED TYPICAL SECTION
STA. 110+75 - STA. 113+50
LAWRENCEVILLE ROAD**

ROADWAY SECTION RECONSTRUCTED IN 2020

HMA MIXTURE REQUIREMENTS TABLE	
LOCATION	OVERLAY & REPLACEMENT
MIXTURE USES	SURFACE
PG:	PG 58-28
DESIGN AIR Voids	4.0 @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL-9.5 FG
FRICTION AGGREGATE	D
MIXTURE WEIGHT:	112 LB/SY/IN
QUALITY MANAGEMENT PROGRAM	QC/QA & GROWTH CURVE
SUBLOT SIZE:	N/A
NUMBER OF ROLLER PASSES	N/A

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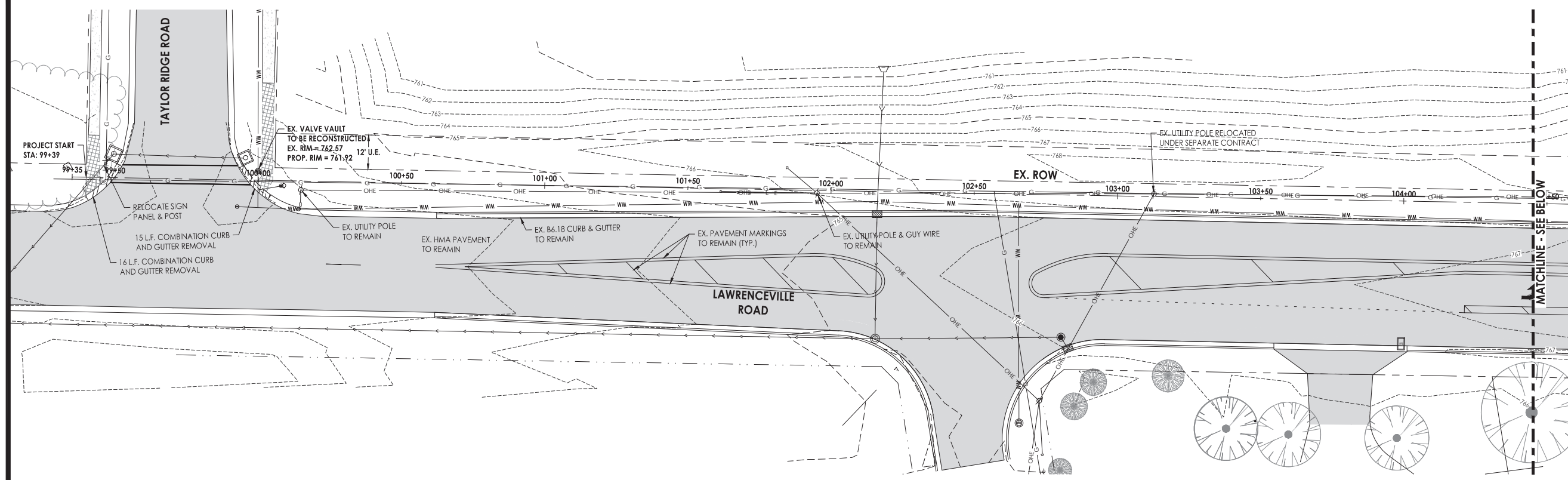


Date	Revision	By

South Piscasaw Creek Connection
Typical Sections

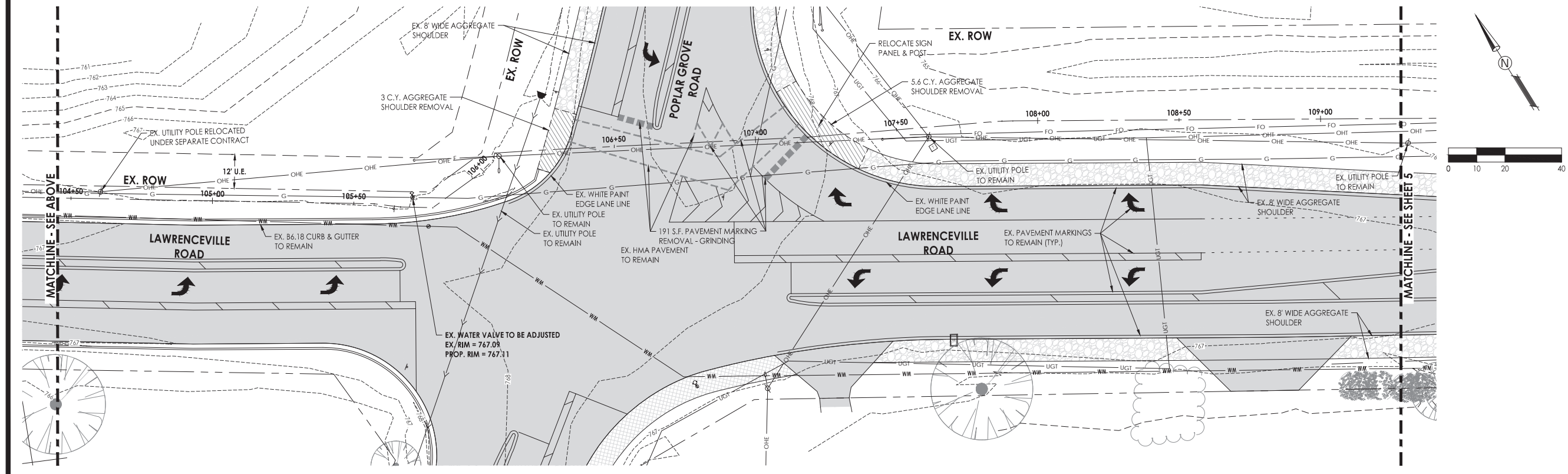
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DATE: 2/7/2022	DATE: 2/7/2022	

PROJECT: BOONE COUNTY CHINA WASH RCHD SPCC PAVT CORRECT
PROJECT: 1888 8415.dwg



LEGEND

- EXISTING HMA PAVEMENT
- EXISTING GRAVEL SHOULDER
- EXISTING CONCRETE SURFACE
- HMA PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- AGGREGATE SHOULDER REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL



C.E.S. INC.
 CIVIL ENGINEERING SERVICES
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

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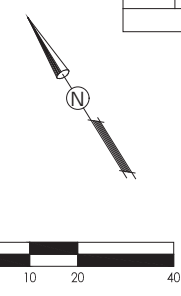
**South Piscasaw Creek Connection
Existing Conditions and Demolition Plan**

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DATE: 2/7/2022	DATE: 2/7/2022	

PROJECT: BOONE COUNTY CHINA 1488 ECHO SPCC CORR CORRECT PROJECT 1488 845E.dwg

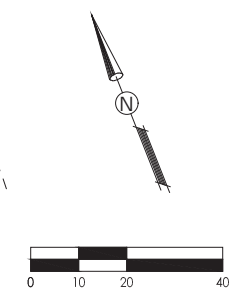
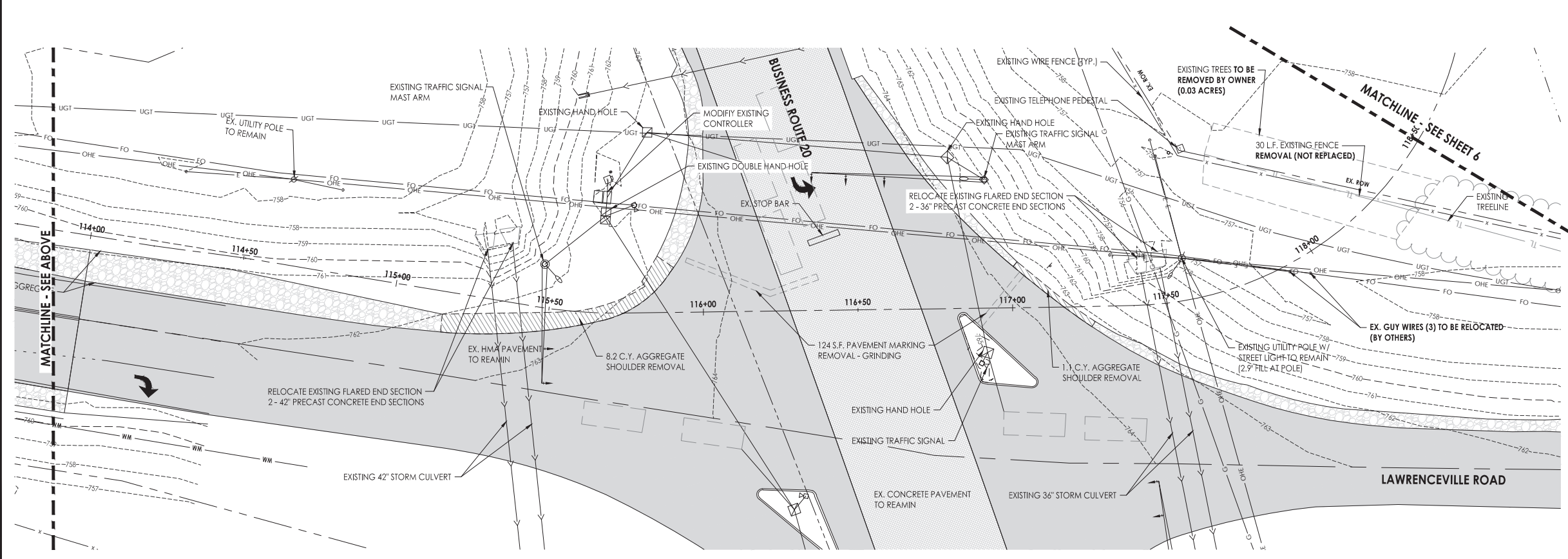
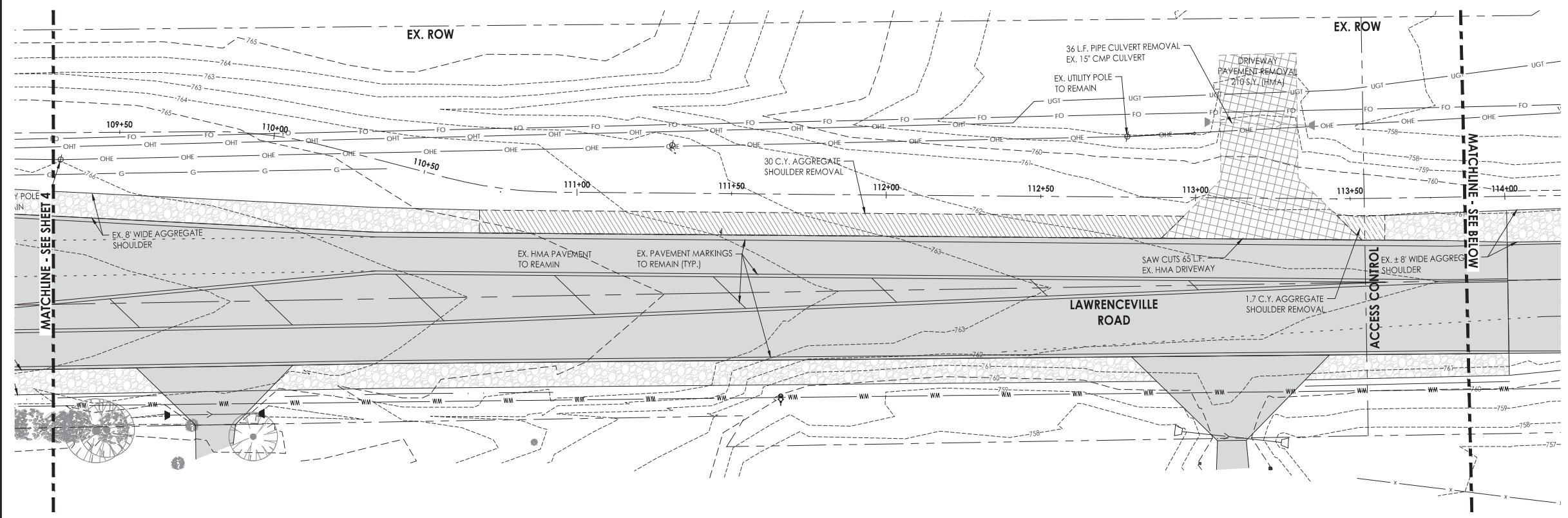
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F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00115-00-BT	BODINE	54	5
		ILLINOIS	CONTRACT NO. 85726	



LEGEND

	EXISTING HMA PAVEMENT
	EXISTING GRAVEL SHOULDER
	EXISTING CONCRETE SURFACE
	HMA PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	AGGREGATE SHOULDER REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL



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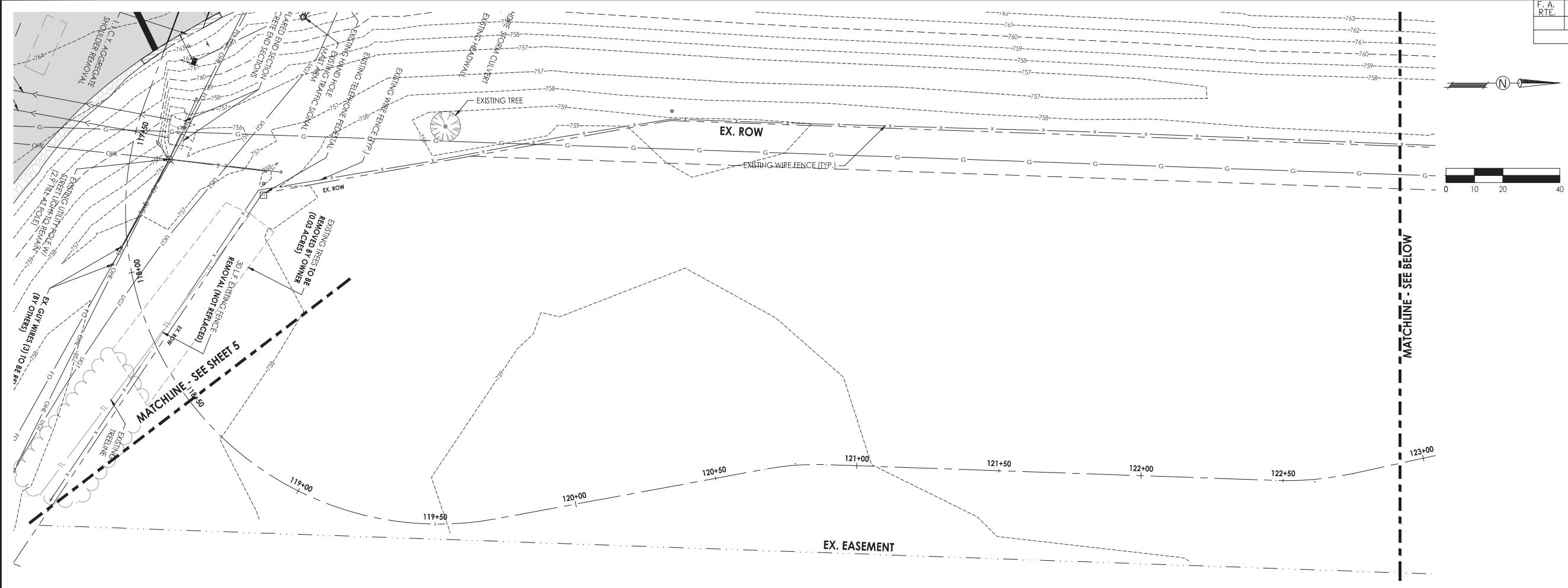
South Piskasaw Creek Connection
 Existing Conditions and Demolition Plan

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DATE: 2/7/2022	DATE: 2/7/2022	

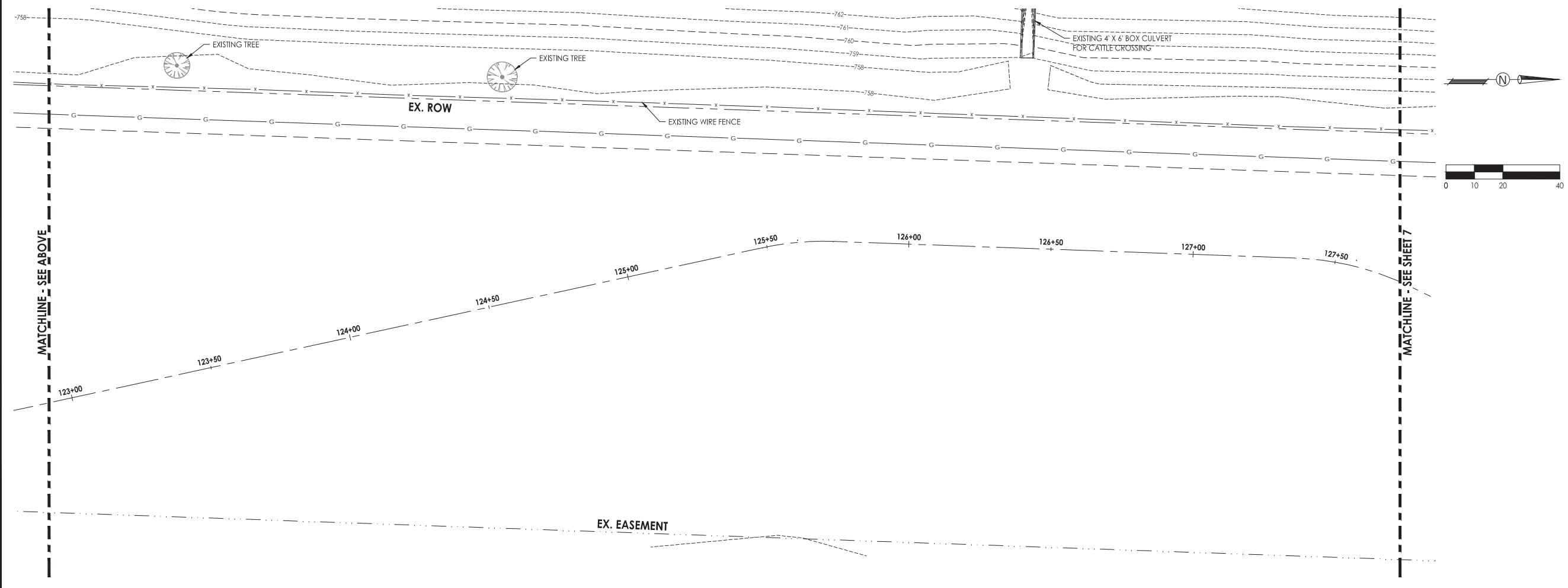
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F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00115-00-BT	BODINE	54	6
ILLINOIS			CONTRACT NO. 85726	



- LEGEND**
- EXISTING HMA PAVEMENT
 - EXISTING GRAVEL SHOULDER
 - EXISTING CONCRETE SURFACE
 - HMA PAVEMENT REMOVAL
 - SIDEWALK REMOVAL
 - AGGREGATE SHOULDER REMOVAL
 - COMBINATION CURB AND GUTTER REMOVAL



ENGINEERING SERVICES
C.E.S. INC.
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
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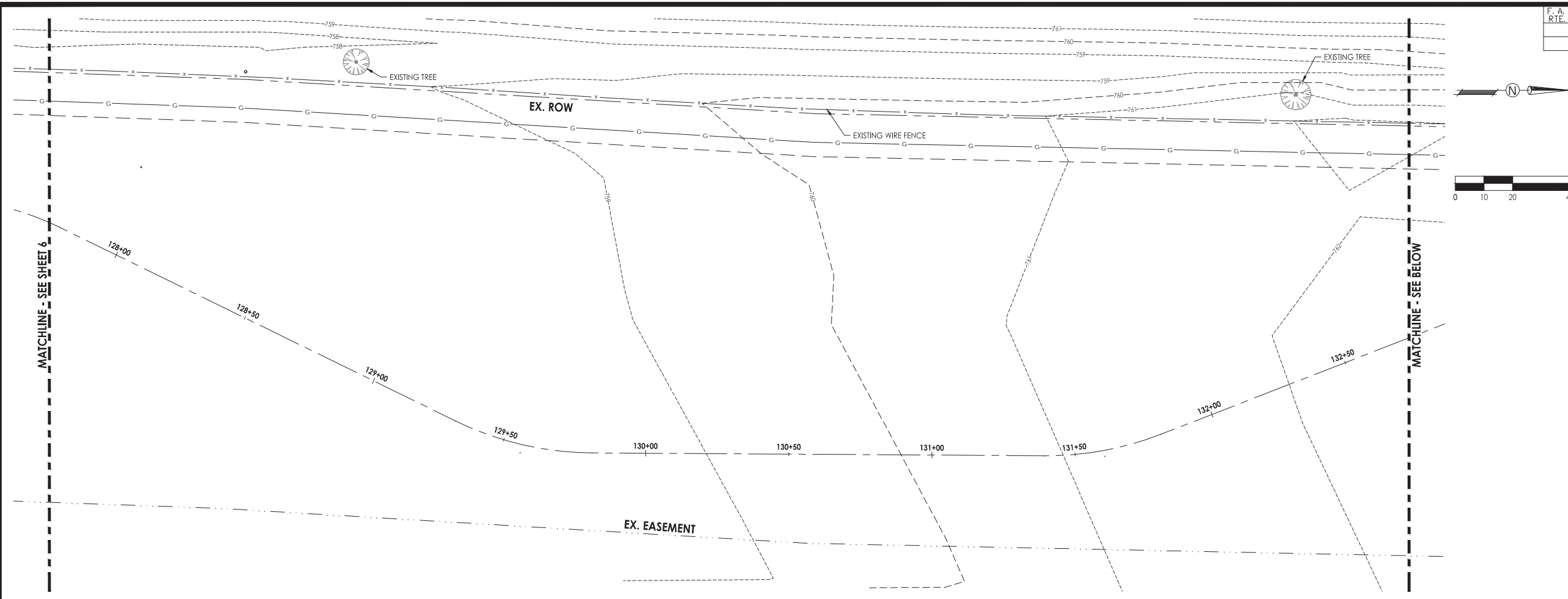
South Piscasaw Creek Connection
Existing Conditions and Demolition Plan

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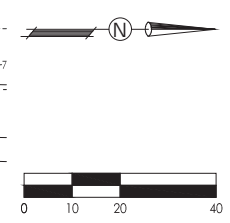
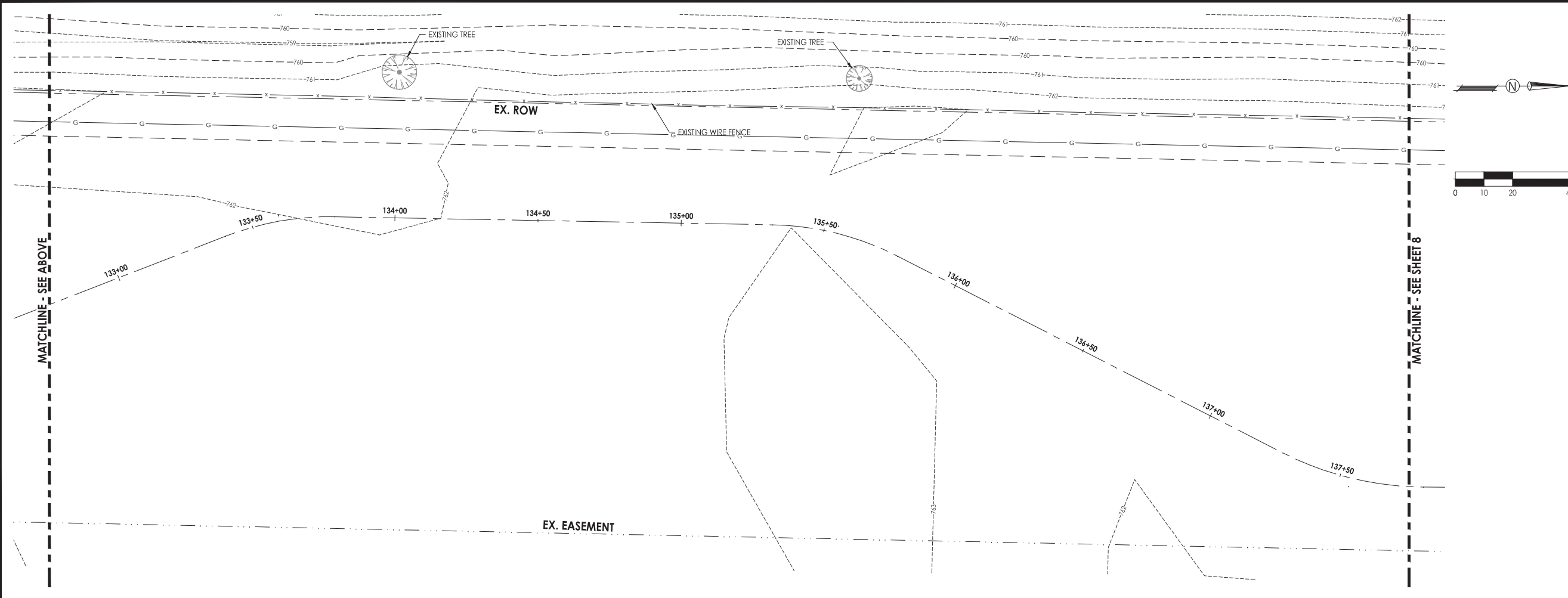
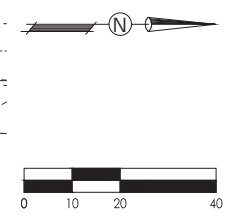
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F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00115-00-BT	BODINE	54	7
ILLINOIS			CONTRACT NO. 85726	



- LEGEND**
- EXISTING HMA PAVEMENT
 - EXISTING GRAVEL SHOULDER
 - EXISTING CONCRETE SURFACE
 - HMA PAVEMENT REMOVAL
 - SIDEWALK REMOVAL
 - AGGREGATE SHOULDER REMOVAL
 - COMBINATION CURB AND GUTTER REMOVAL



C.E.S. INC.
 CIVIL ENGINEERING SERVICES
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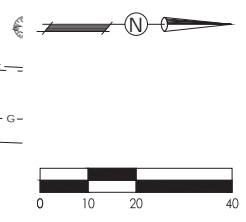
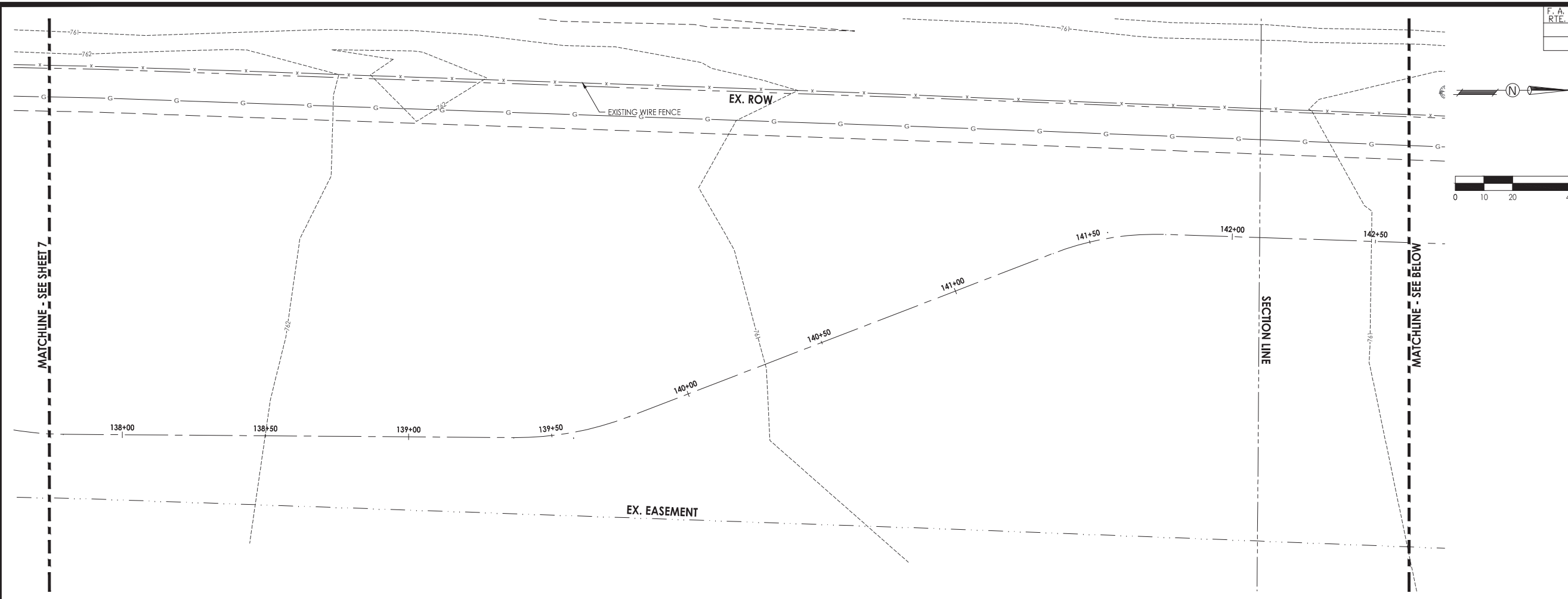
**South Piscasaw Creek Connection
Existing Conditions and Demolition Plan**

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DATE: 2/7/2022	DATE: 2/7/2022	

PROJECT: 1888 848E.dwg

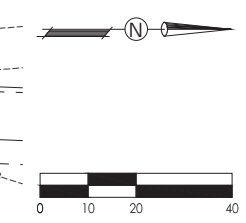
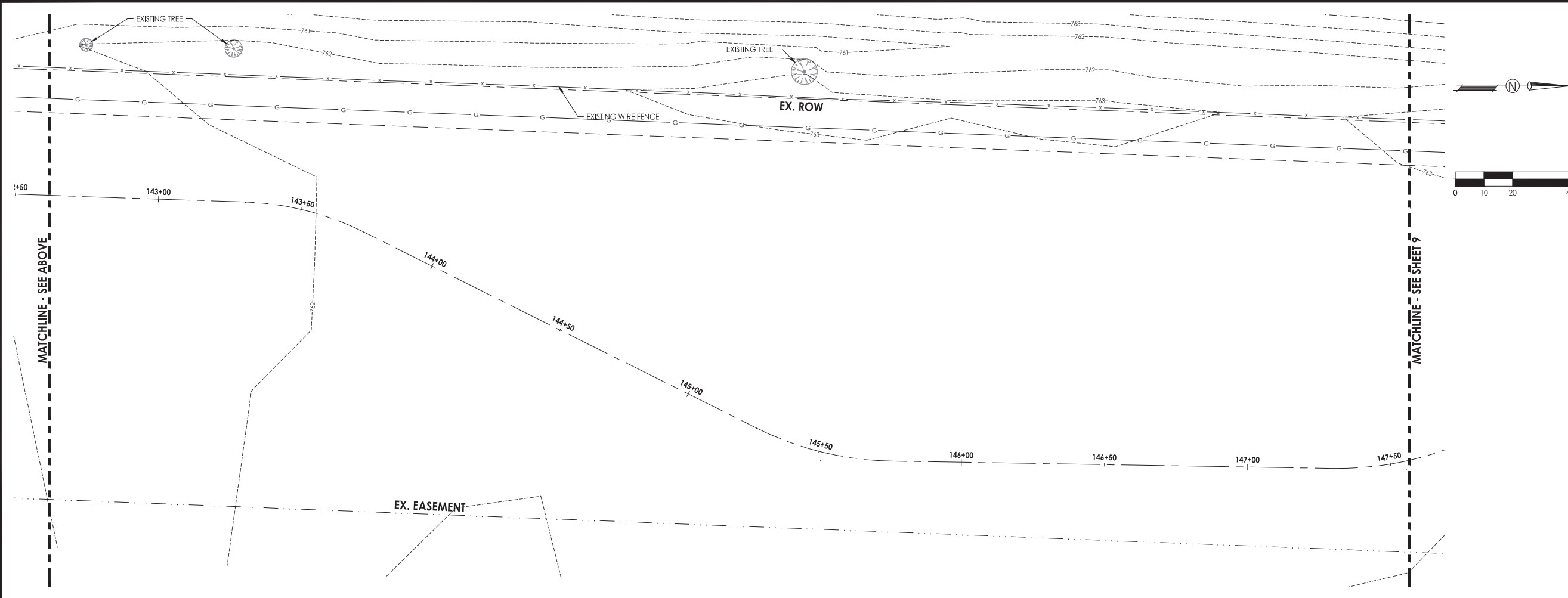
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F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00115-00-BT	BODINE	54	8
ILLINOIS			CONTRACT NO. 85726	



LEGEND

	EXISTING HMA PAVEMENT
	EXISTING GRAVEL SHOULDER
	EXISTING CONCRETE SURFACE
	HMA PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	AGGREGATE SHOULDER REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL



C.E.S. INC.
 CIVIL ENGINEERING SERVICES
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
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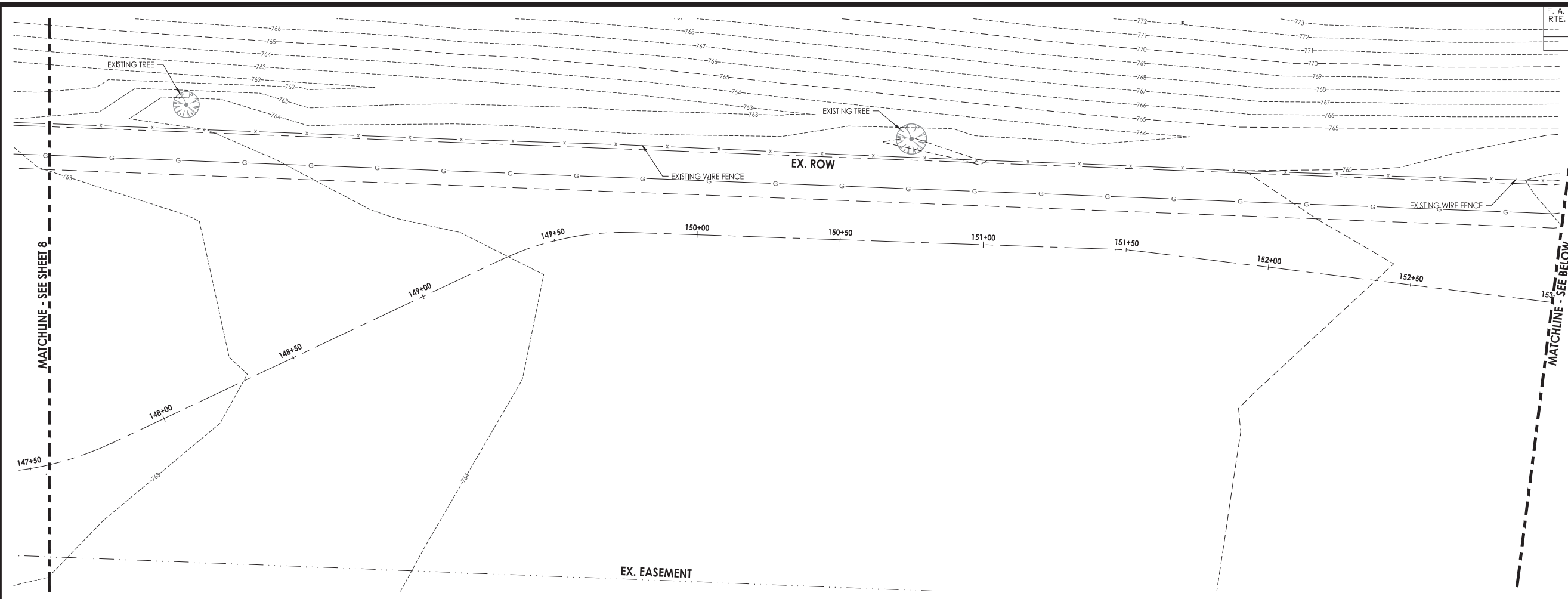
Date	Revision	By

South Piskasaw Creek Connection
 Existing Conditions and Demolition Plan

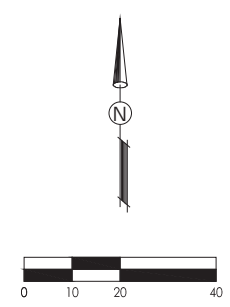
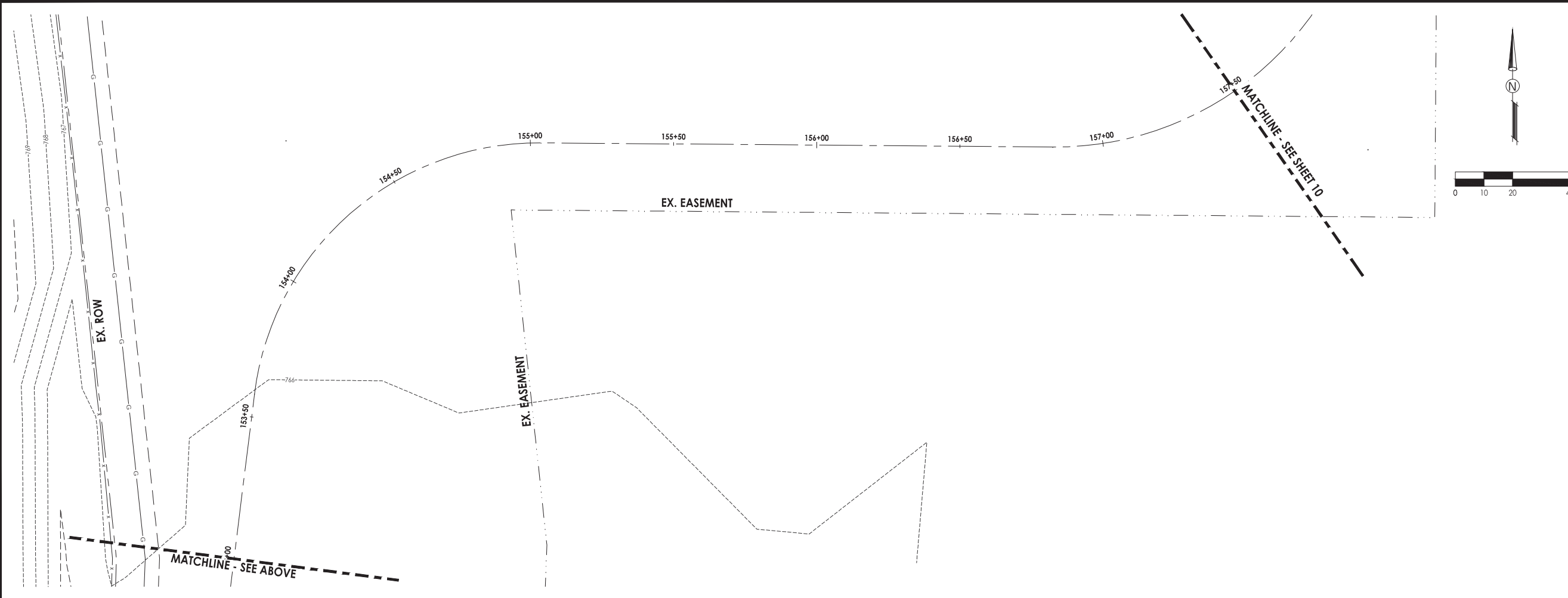
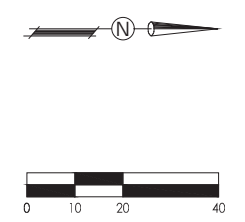
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DATE: 2/7/2022	DATE: 2/7/2022	

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F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00115-00-BT	BOONE	54	9
ILLINOIS			CONTRACT NO. 85726	



- LEGEND**
- EXISTING HMA PAVEMENT
 - EXISTING GRAVEL SHOULDER
 - EXISTING CONCRETE SURFACE
 - HMA PAVEMENT REMOVAL
 - SIDEWALK REMOVAL
 - AGGREGATE SHOULDER REMOVAL
 - COMBINATION CURB AND GUTTER REMOVAL



C.E.S. INC.
QUALITY ENGINEERING SERVICES
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

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Date	Revision	By

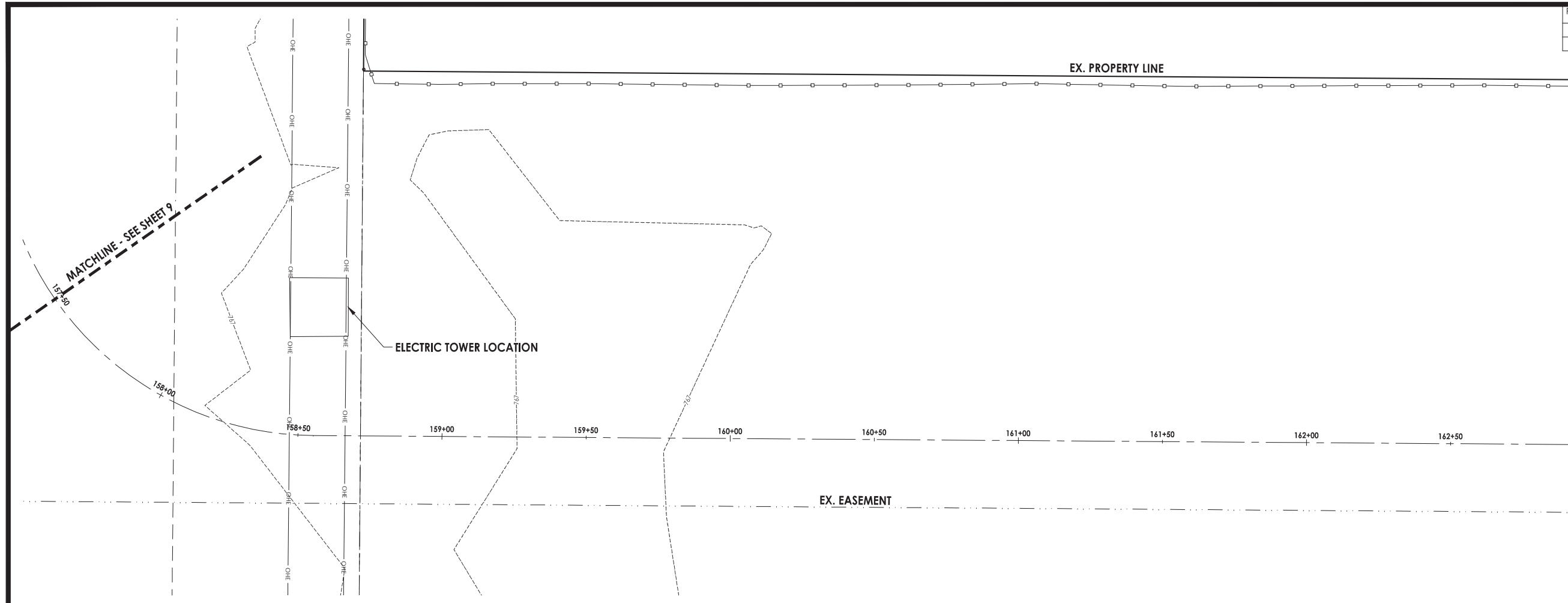
**South Piskasaw Creek Connection
Existing Conditions and Demolition Plan**

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DATE: 2/7/2022	DATE: 2/7/2022	

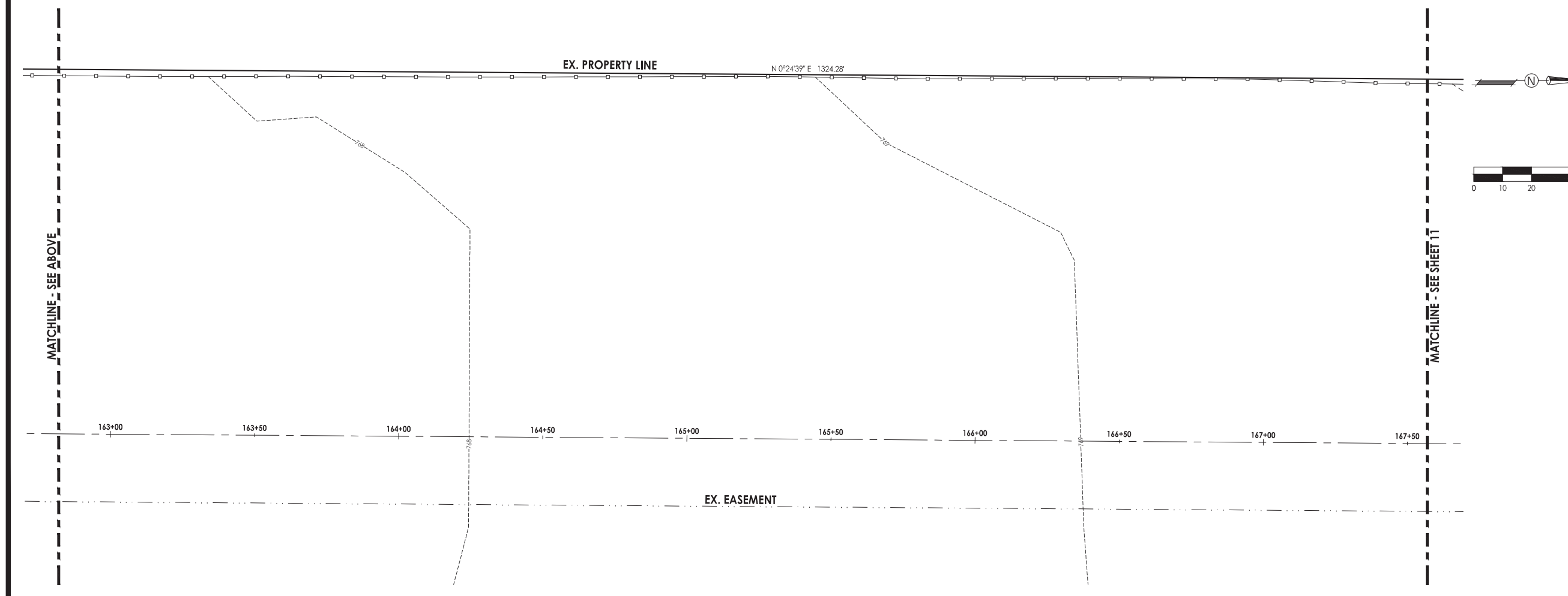
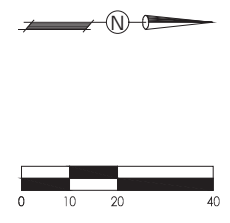
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F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00115-00-BT	BOONE	54	10
ILLINOIS			CONTRACT NO. 85726	



- LEGEND**
- EXISTING HMA PAVEMENT
 - EXISTING GRAVEL SHOULDER
 - EXISTING CONCRETE SURFACE
 - HMA PAVEMENT REMOVAL
 - SIDEWALK REMOVAL
 - AGGREGATE SHOULDER REMOVAL
 - COMBINATION CURB AND GUTTER REMOVAL



C.E.S. INC.
 QUALITY ENGINEERING SERVICES
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

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Date	Revision	By

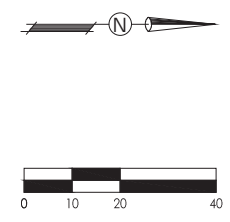
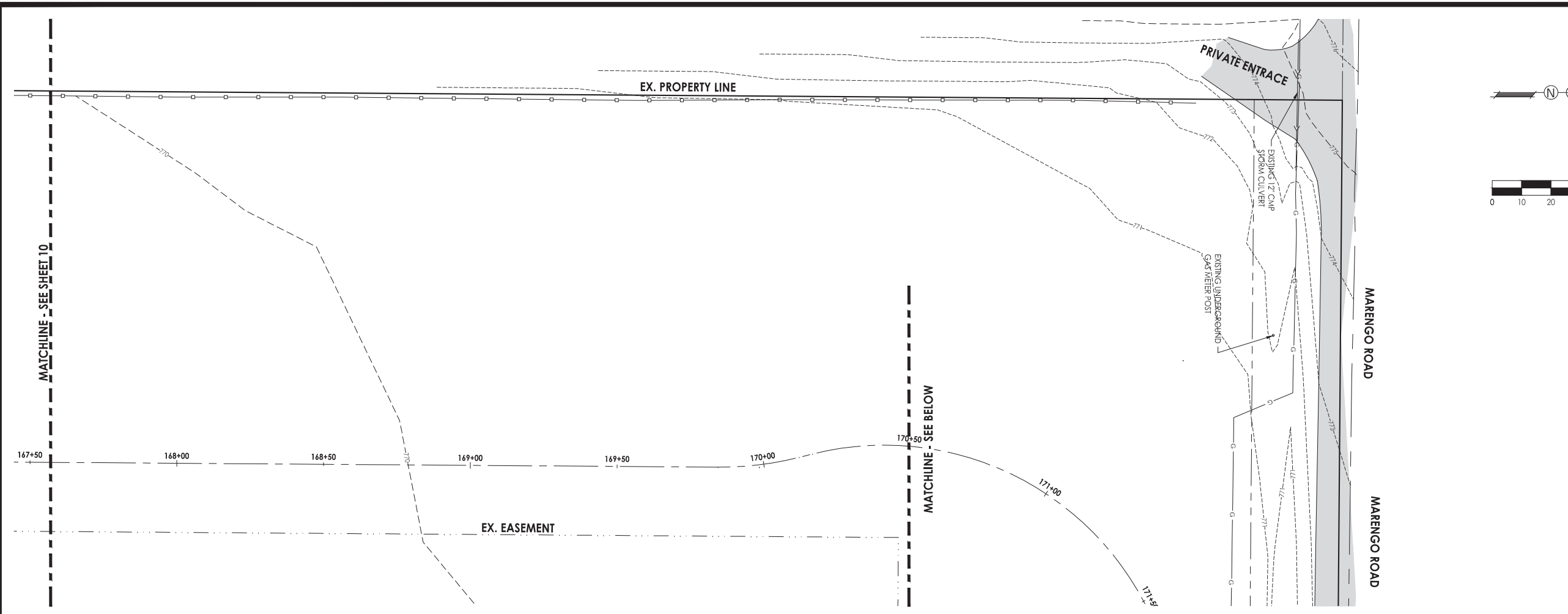
South Piscasaw Creek Connection
Existing Conditions and Demolition Plan

CHECKED BY: KCB	DRAWN BY: JAB	Sheet 10 of 54
DATE: 2/7/2022	DATE: 2/7/2022	

PROJECT: 1888 848E.dwg

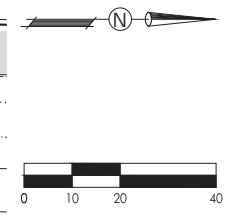
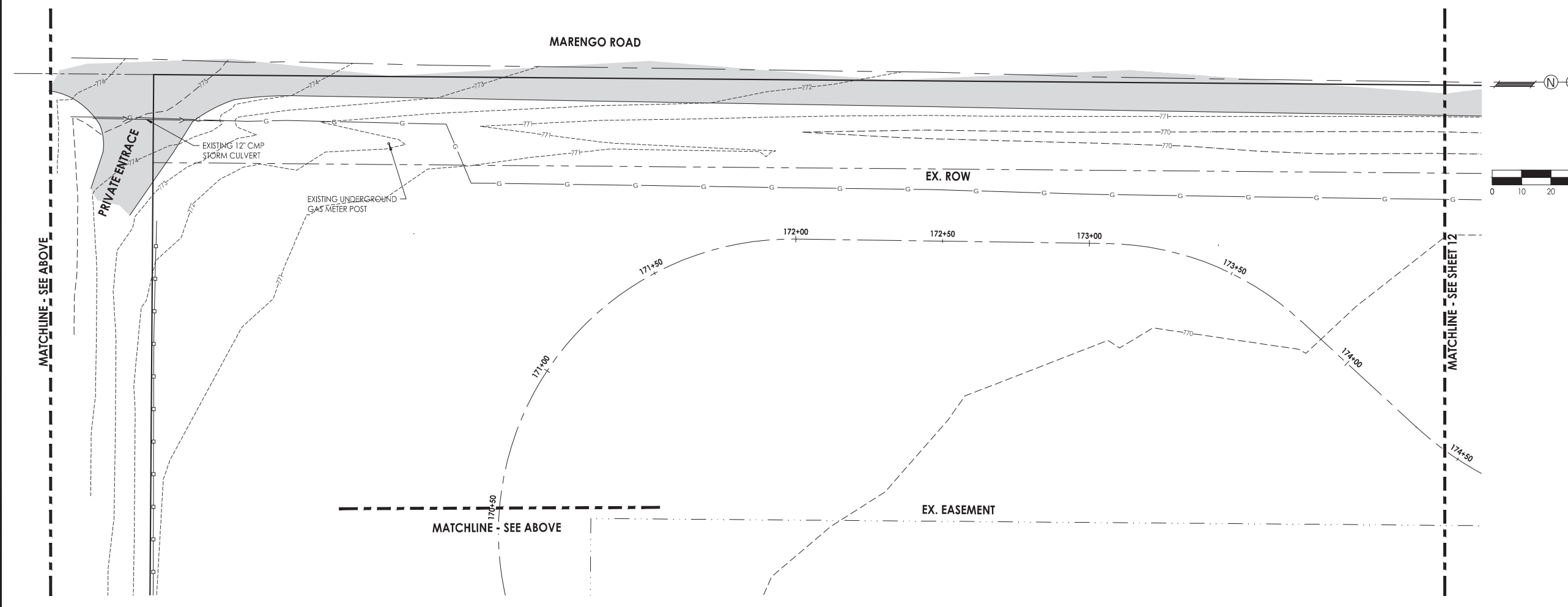
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F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00115-00-BT	BOONE	54	11
ILLINOIS			CONTRACT NO. 85726	



LEGEND

	EXISTING HMA PAVEMENT
	EXISTING GRAVEL SHOULDER
	EXISTING CONCRETE SURFACE
	HMA PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	AGGREGATE SHOULDER REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL



C.E.S. INC.
 CIVIL ENGINEERING SERVICES
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 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

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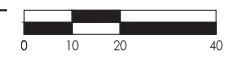
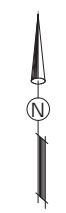
Date	Revision	By

South Piscasaw Creek Connection
 Existing Conditions and Demolition Plan

CHECKED BY: KCB	DRAWN BY: JAB	Sheet 11 of 54
DATE: 2/7/2022	DATE: 2/7/2022	

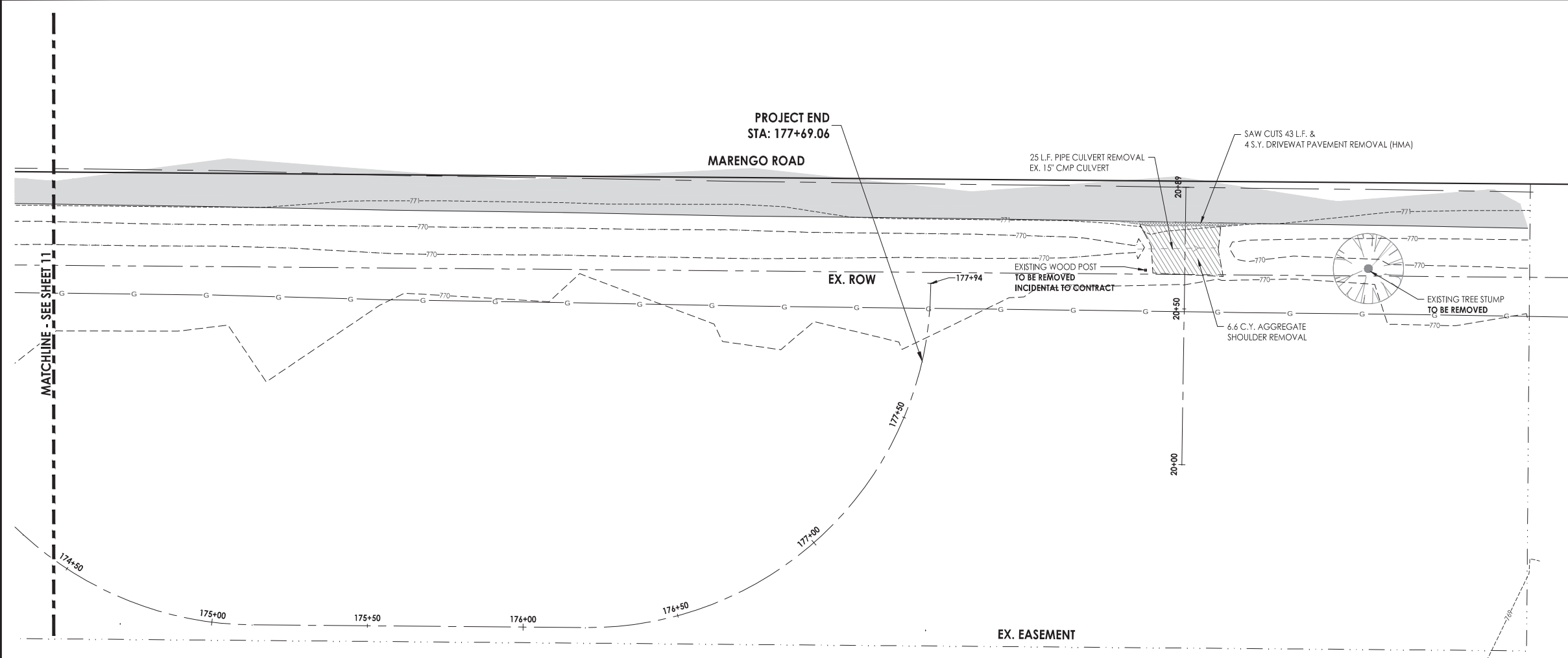
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F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00115-00-BT	BOONE	54	12
ILLINOIS			CONTRACT NO. 85726	



LEGEND

	EXISTING HMA PAVEMENT
	EXISTING GRAVEL SHOULDER
	EXISTING CONCRETE SURFACE
	HMA PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	AGGREGATE SHOULDER REMOVAL
	COMBINATION CURB AND GUTTER REMOVAL



MATCHLINE - SEE SHEET 11

C.E.S. INC.
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
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Date	Revision	By

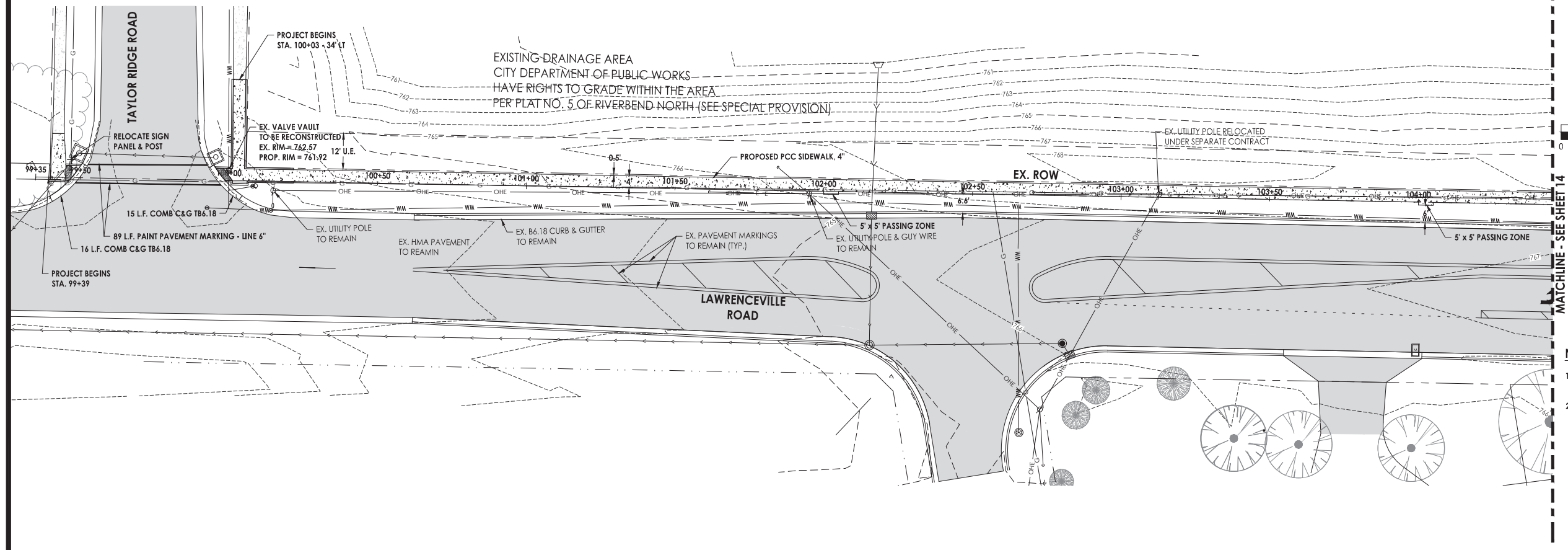
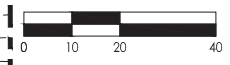
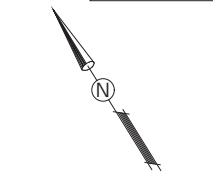
**South Piskasaw Creek Connection
Existing Conditions and Demolition Plan**

CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	Sheet 12 of 54
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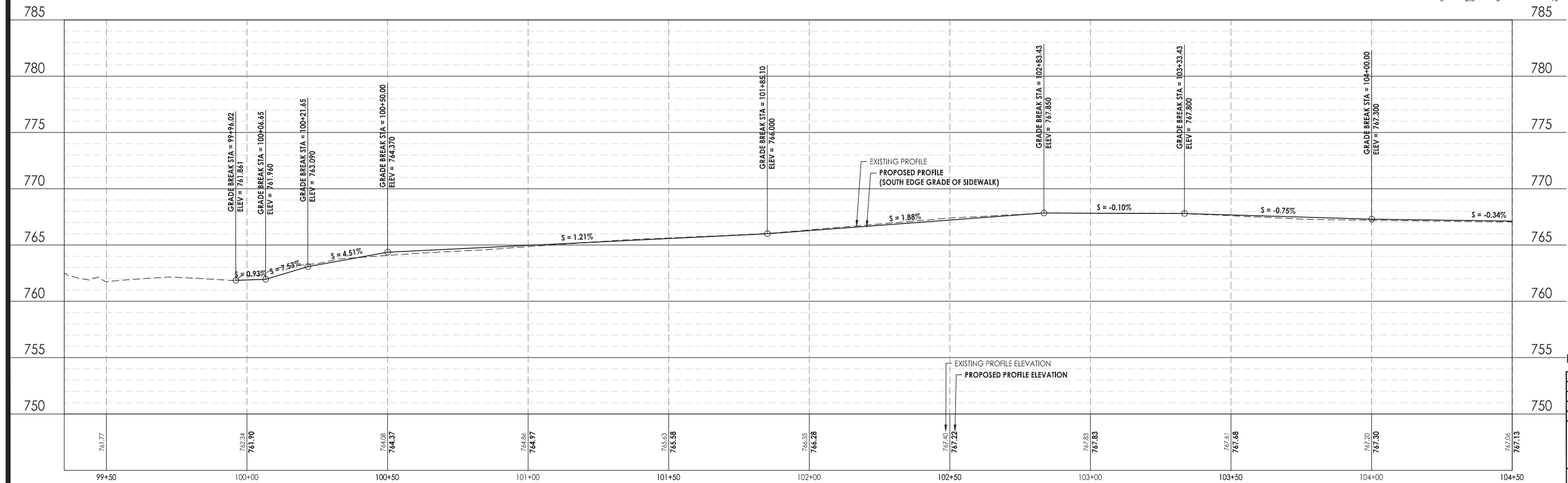
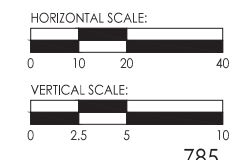
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LEGEND

- EXISTING HMA PAVEMENT
- EXISTING CONCRETE SURFACE
- EXISTING AGGREGATE SHOULDER
- PROPOSED HMA SHARED USE PATH
- PROPOSED PCC SIDEWALK, 4'
- PROPOSED AGGREGATE SHOULDER



- NOTES:**
- CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
 - ALL SIDEWALK RAMPS TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.



UTILITY ENGINEERING SERVICES
C.E.S. INC.

700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
PHONE: (815) 547-8435, FAX: (815) 544-0421
ILLINOIS DESIGN FIRM NO. 184-001260

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Date	Revision	By

South Piscasaw Creek Connection
Plan and Profile
Sta. 99+35 - Sta 104+50

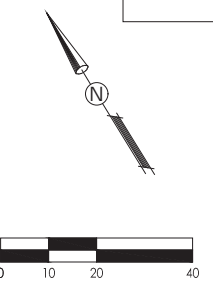
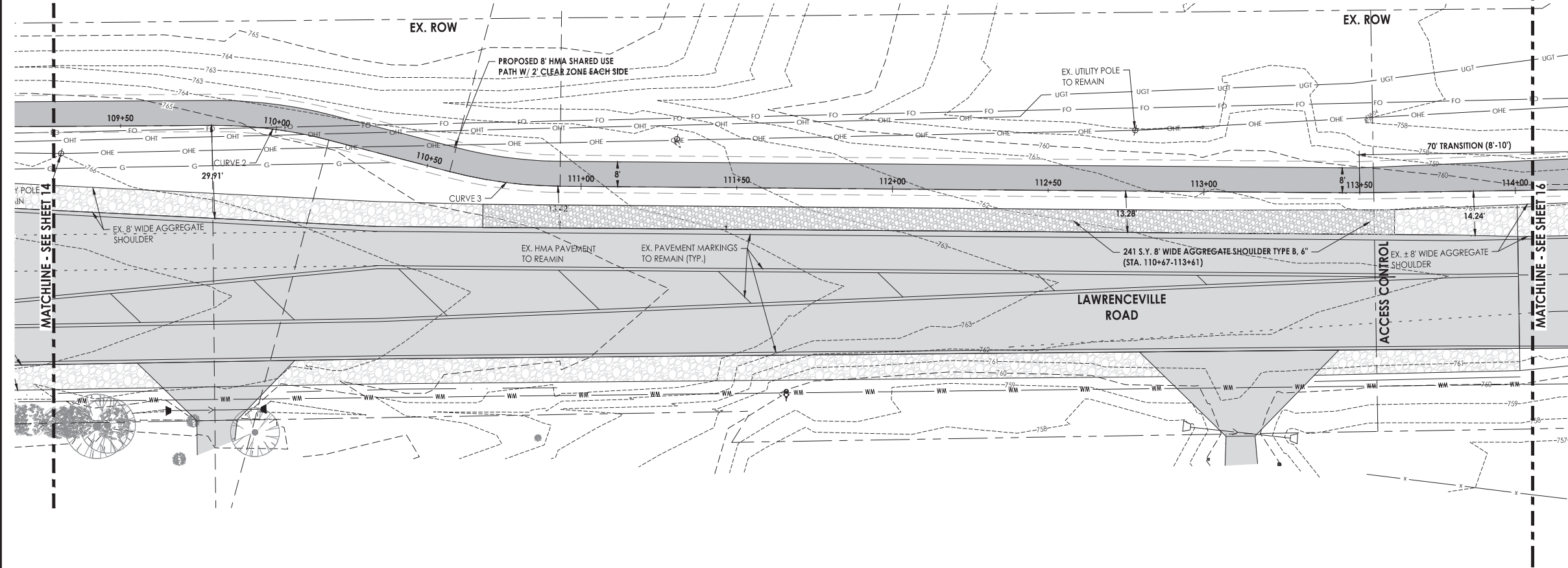
CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	Sheet 13 of 54
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PROJECT: 1888-BA5E.dwg

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BOONE COUNTY CONSERVATION DISTRICT
 OWNS PROPERTY & HAS ESTABLISHED A
 DIFFERENT ACCESS TO THE PROPERTY & DOES
 NOT REQUIRE THIS FIELD ENTRANCE

F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00115-00-BT	BOONE	54	15
		ILLINOIS	CONTRACT NO. 85726	

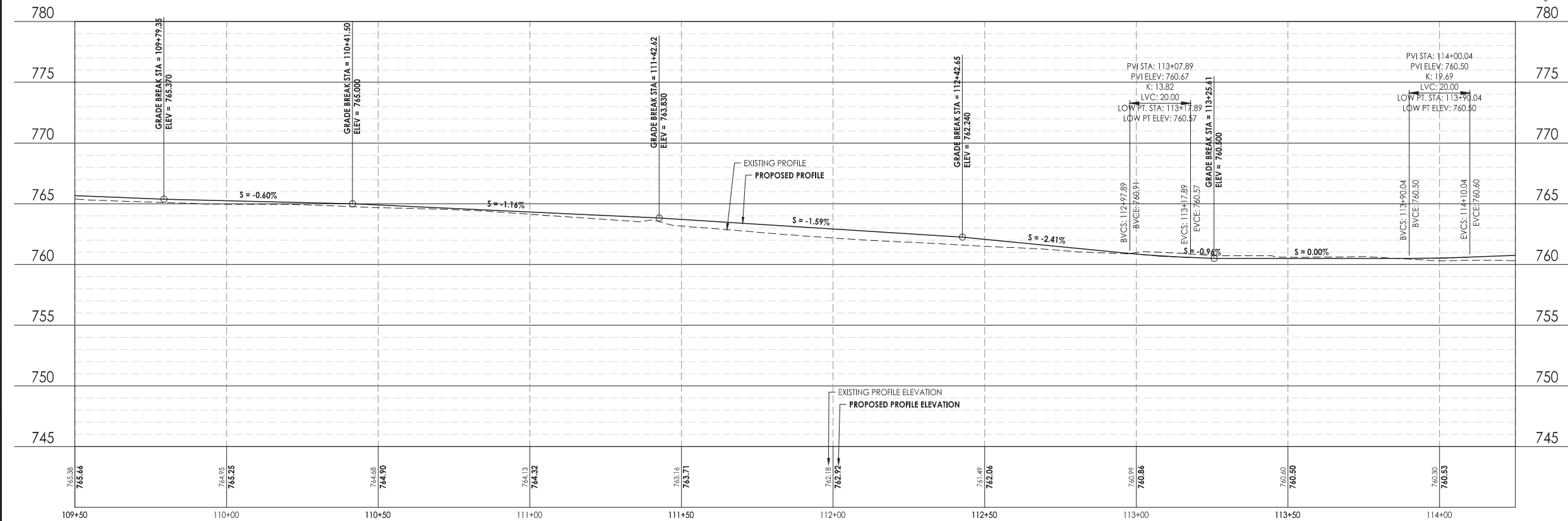
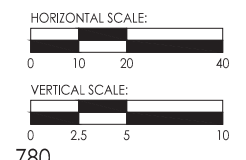


LEGEND

	EXISTING HMA PAVEMENT
	EXISTING CONCRETE SURFACE
	EXISTING AGGREGATE SHOULDER
	PROPOSED HMA SHARED USE PATH
	PROPOSED PCC SIDEWALK, 4'
	PROPOSED AGGREGATE SHOULDER

- NOTES:**
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CURVE 2	CURVE 3
PI STATION = 109+98.33 - 1.25' LT	PI STATION = 110+75.33 - 1.11' RT
PC STATION = 109+79.35	PC STATION = 110+57.43
PT STATION = 110+17.31	PT STATION = 110+93.24
DELTA ANGLE = 15.0000°	DELTA ANGLE = 14.1494°
R = 145'	R = 145'
CORD LENGTH = 37.85'	CORD LENGTH = 35.72'



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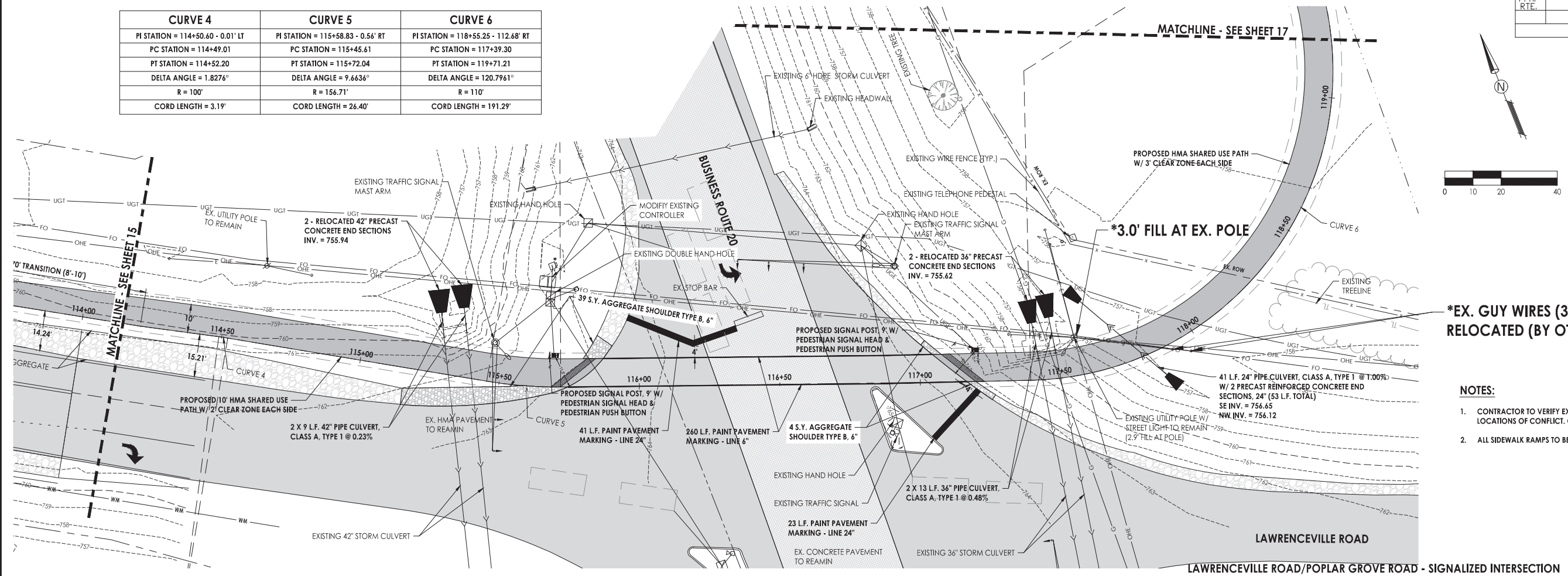
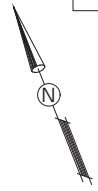
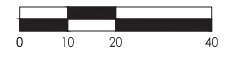
South Piscasaw Creek Connection
 Plan and Profile
 Sta. 109+50 - Sta. 114+25

CHECKED BY: KCB	DRAWN BY: JAB	Sheet 15 of 54
DATE: 2/7/2022	DATE: 2/7/2022	

CURVE 4	CURVE 5	CURVE 6
PI STATION = 114+50.60 - 0.01' LT	PI STATION = 115+58.83 - 0.56' RT	PI STATION = 118+55.25 - 112.68' RT
PC STATION = 114+49.01	PC STATION = 115+45.61	PC STATION = 117+39.30
PT STATION = 114+52.20	PT STATION = 115+72.04	PT STATION = 119+71.21
DELTA ANGLE = 1.8276°	DELTA ANGLE = 9.6636°	DELTA ANGLE = 120.7961°
R = 100'	R = 156.71'	R = 110'
CORD LENGTH = 3.19'	CORD LENGTH = 26.40'	CORD LENGTH = 191.29'

LEGEND

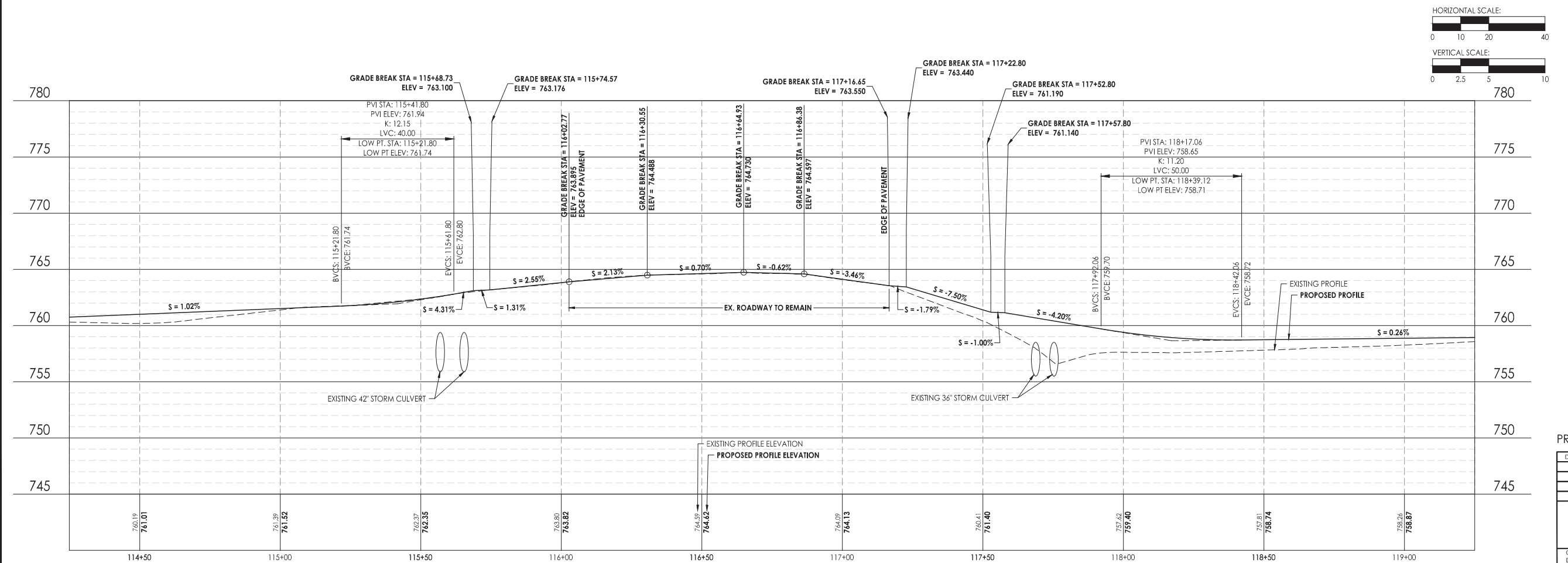
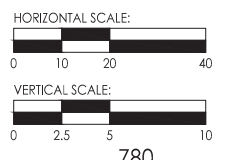
- EXISTING HMA PAVEMENT
- EXISTING CONCRETE SURFACE
- EXISTING AGGREGATE SHOULDER
- PROPOSED HMA SHARED USE PATH
- PROPOSED PCC SIDEWALK, 4"
- PROPOSED AGGREGATE SHOULDER



***EX. GUY WIRES (3) TO BE RELOCATED (BY OTHERS)**

NOTES:

- CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
- ALL SIDEWALK RAMPS TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.



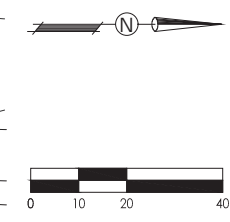
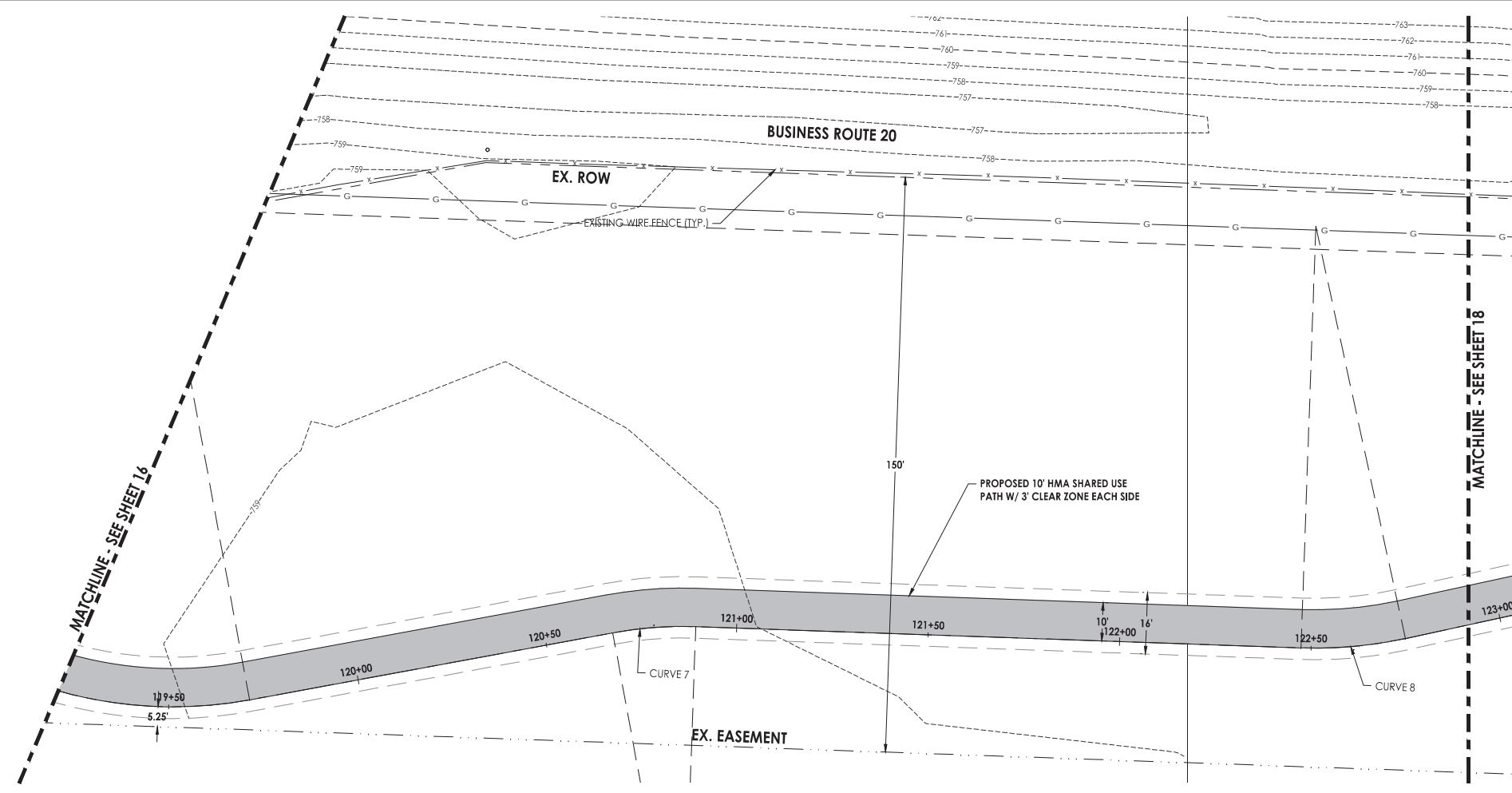
C.E.S. INC.
 CIVIL ENGINEERING SERVICES
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

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South Piscasaw Creek Connection
 Plan and Profile
 Sta. 114+25 - Sta. 119+25

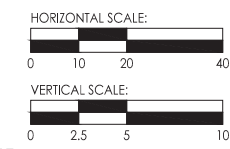
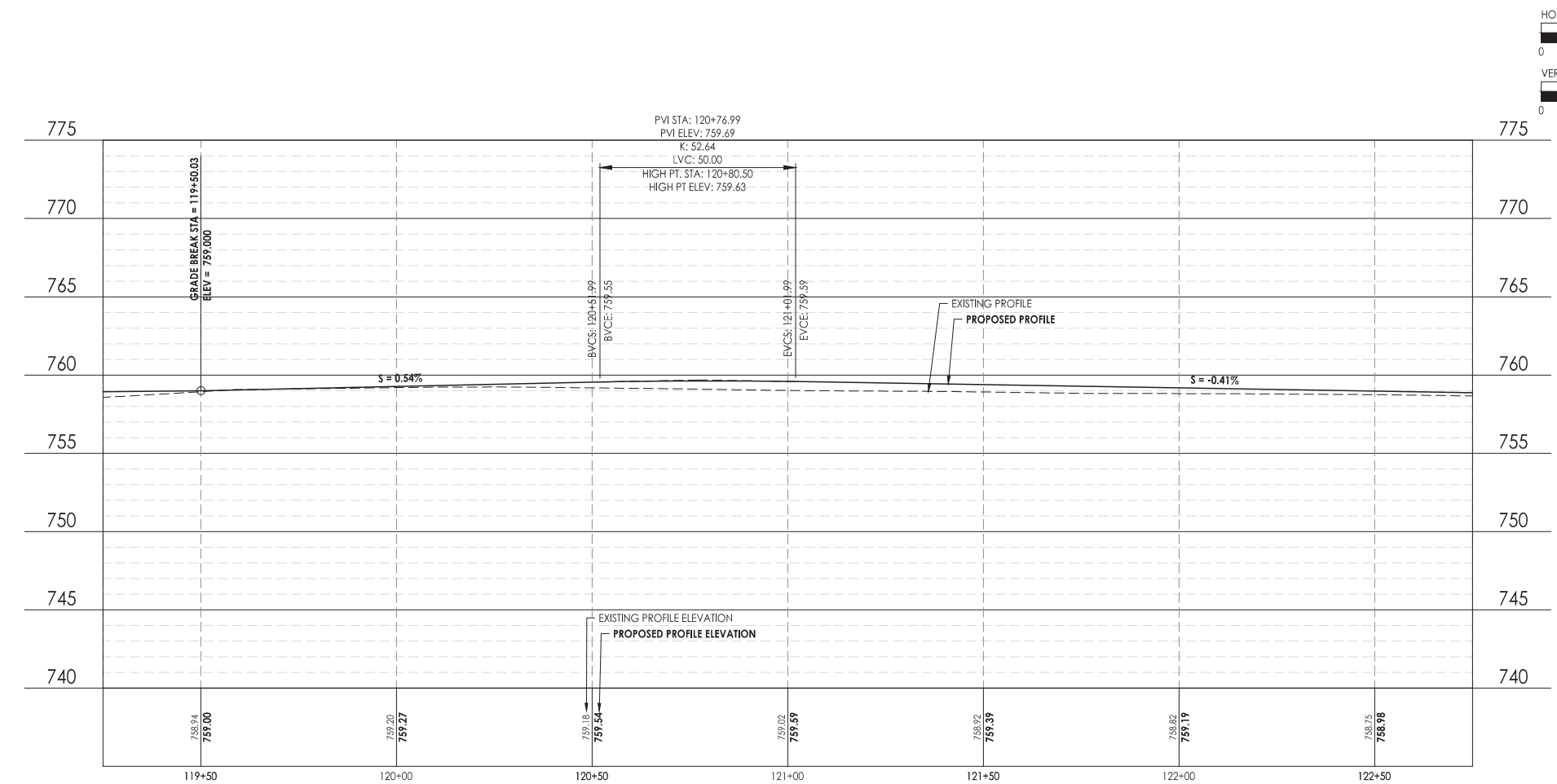
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PROJECT: 1888 BAS-01			Sheet 16 of 54



LEGEND	
	EXISTING HMA PAVEMENT
	EXISTING CONCRETE SURFACE
	EXISTING AGGREGATE SHOULDER
	PROPOSED HMA SHARED USE PATH
	PROPOSED PCC SIDEWALK, 4'
	PROPOSED AGGREGATE SHOULDER

- NOTES:**
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CURVE 7	CURVE 8
PI STATION = 120+78.46 - 0.59° LT	PI STATION = 122+61.06 - 0.86° RT
PC STATION = 120+67.59	PC STATION = 122+47.36
PT STATION = 120+89.33	PT STATION = 122+74.76
DELTA ANGLE = 12.4566°	DELTA ANGLE = 14.2727°
R = 100'	R = 110'
CORD LENGTH = 21.70'	CORD LENGTH = 27.33'

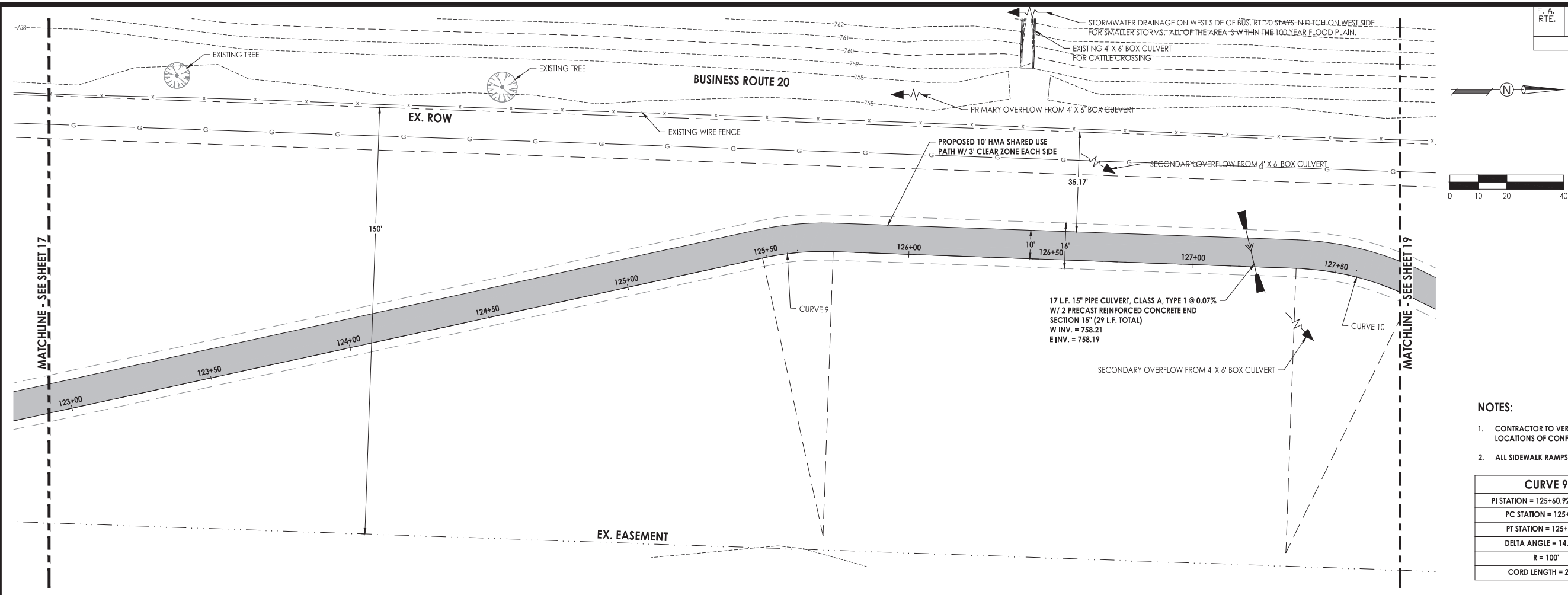


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Date	Revision	By

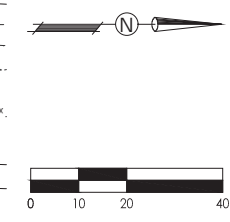
South Piscasaw Creek Connection
Plan and Profile
Sta. 19+25 - Sta. 122+75

CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	Sheet 17 of 54
PROJECT: 1888 BAE.dwg		



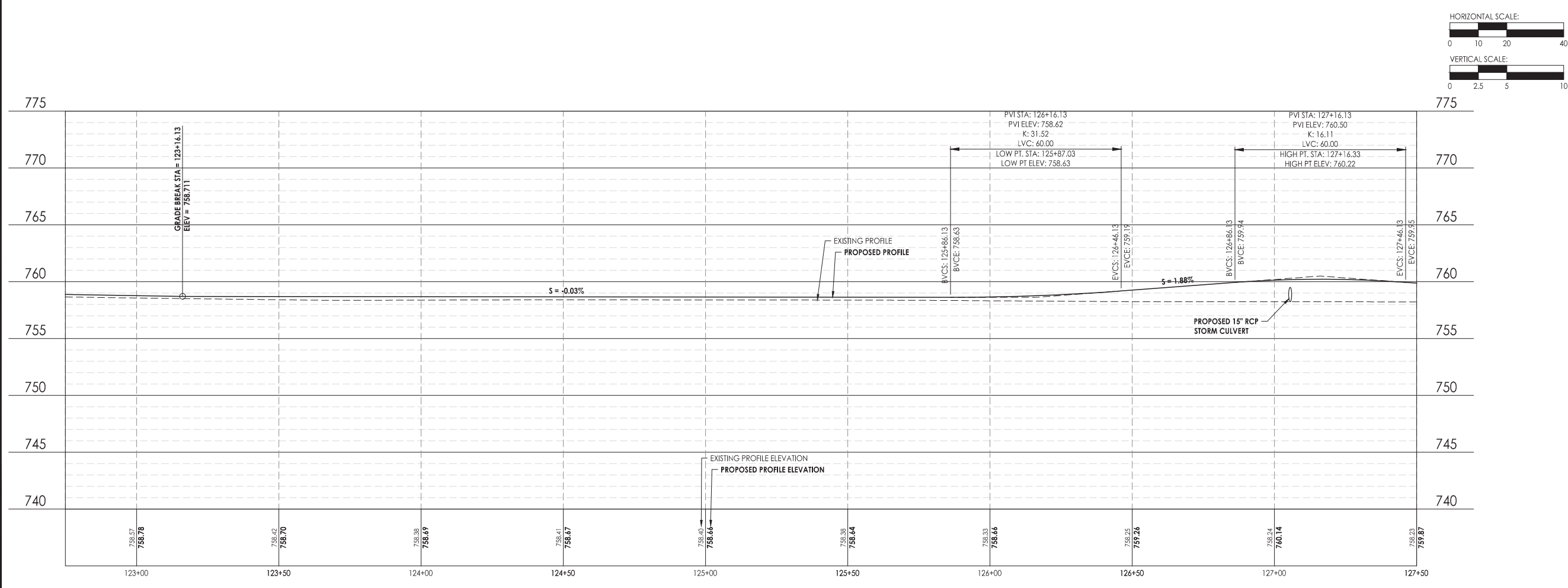
LEGEND

	EXISTING HMA PAVEMENT
	EXISTING CONCRETE SURFACE
	EXISTING AGGREGATE SHOULDER
	PROPOSED HMA SHARED USE PATH
	PROPOSED PCC SIDEWALK, 4'
	PROPOSED AGGREGATE SHOULDER



- NOTES:**
- CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
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CURVE 9	CURVE 10
PI STATION = 125+60.92 - 0.79' LT	PI STATION = 127+57.16 - 2.23' LT
PC STATION = 125+48.41	PC STATION = 127+36.24
PT STATION = 125+73.43	PT STATION = 127+78.09
DELTA ANGLE = 14.3322°	DELTA ANGLE = 23.9803°
R = 100'	R = 100'
CORD LENGTH = 24.95'	CORD LENGTH = 41.55'



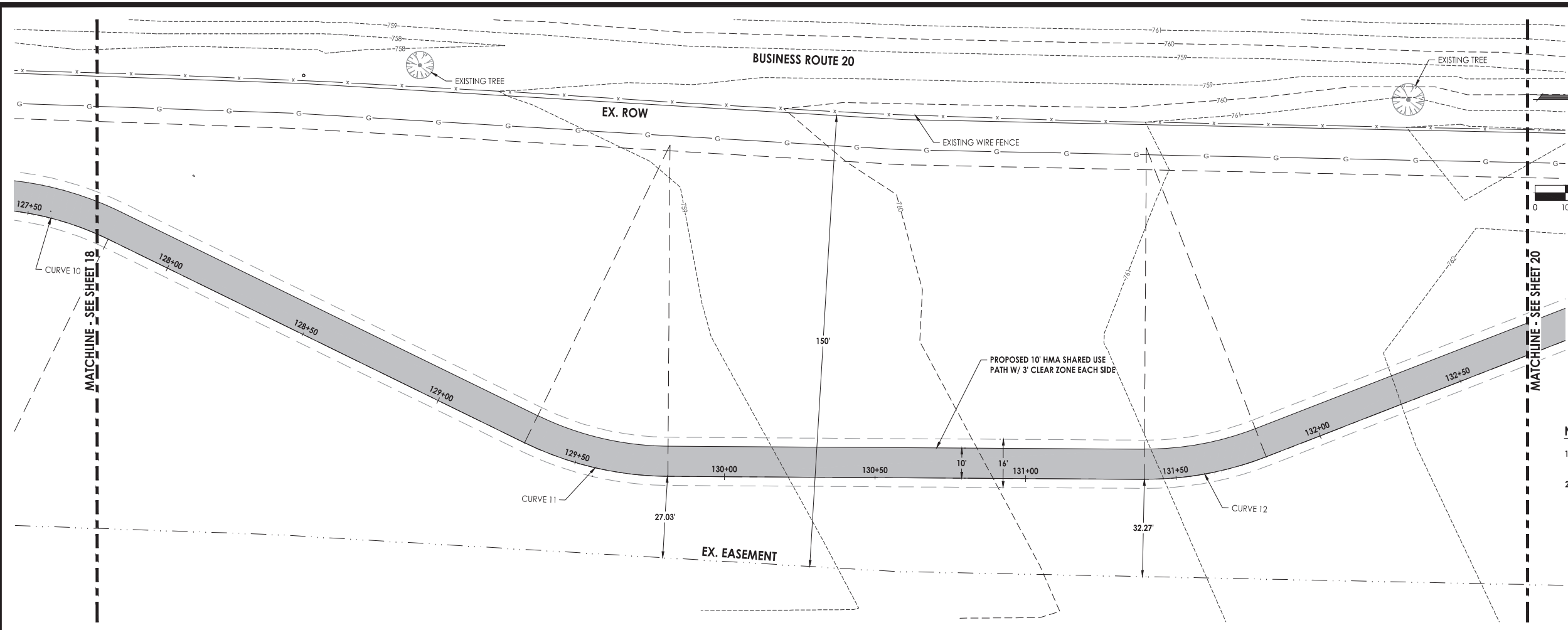
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Date	Revision	By

South Piscasaw Creek Connection
Plan and Profile
Sta. 122+75 - Sta. 127+50

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DATE: 2/7/2022	DATE: 2/7/2022	

PROJECT: 1888 BAE.dwg

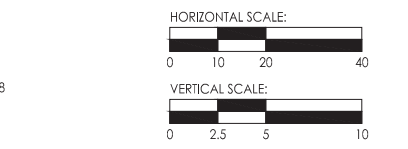
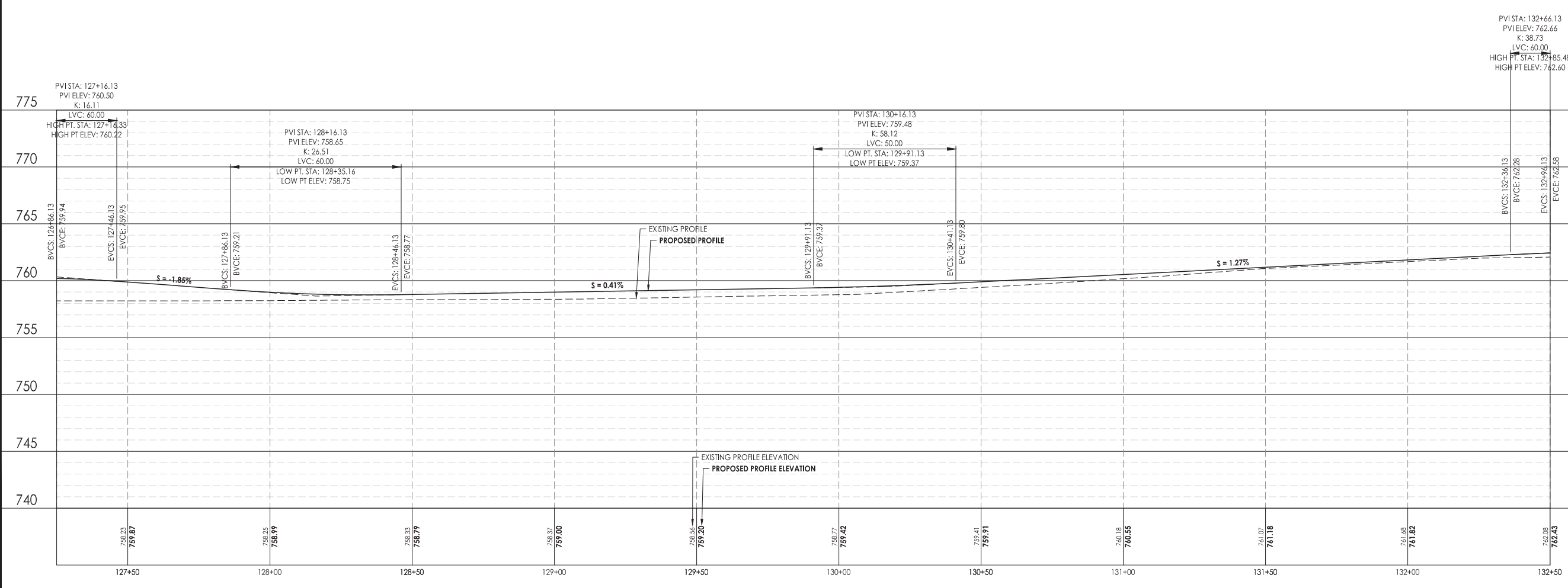


LEGEND

	EXISTING HMA PAVEMENT
	EXISTING CONCRETE SURFACE
	EXISTING AGGREGATE SHOULDER
	PROPOSED HMA SHARED USE PATH
	PROPOSED PCC SIDEWALK, 4'
	PROPOSED AGGREGATE SHOULDER

- NOTES:**
- CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
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CURVE 11	CURVE 12
PI STATION = 129+56.59 - 2.82 RT.	PI STATION = 131+60.10 - 1.98 RT.
PC STATION = 129+31.93	PC STATION = 131.39.38
PT STATION = 129+81.25	PT STATION = 131+80.82
DELTA ANGLE = 25.6901°	DELTA ANGLE = 21.5838°
R = 110'	R = 110'
CORD LENGTH = 48.91'	CORD LENGTH = 41.19'



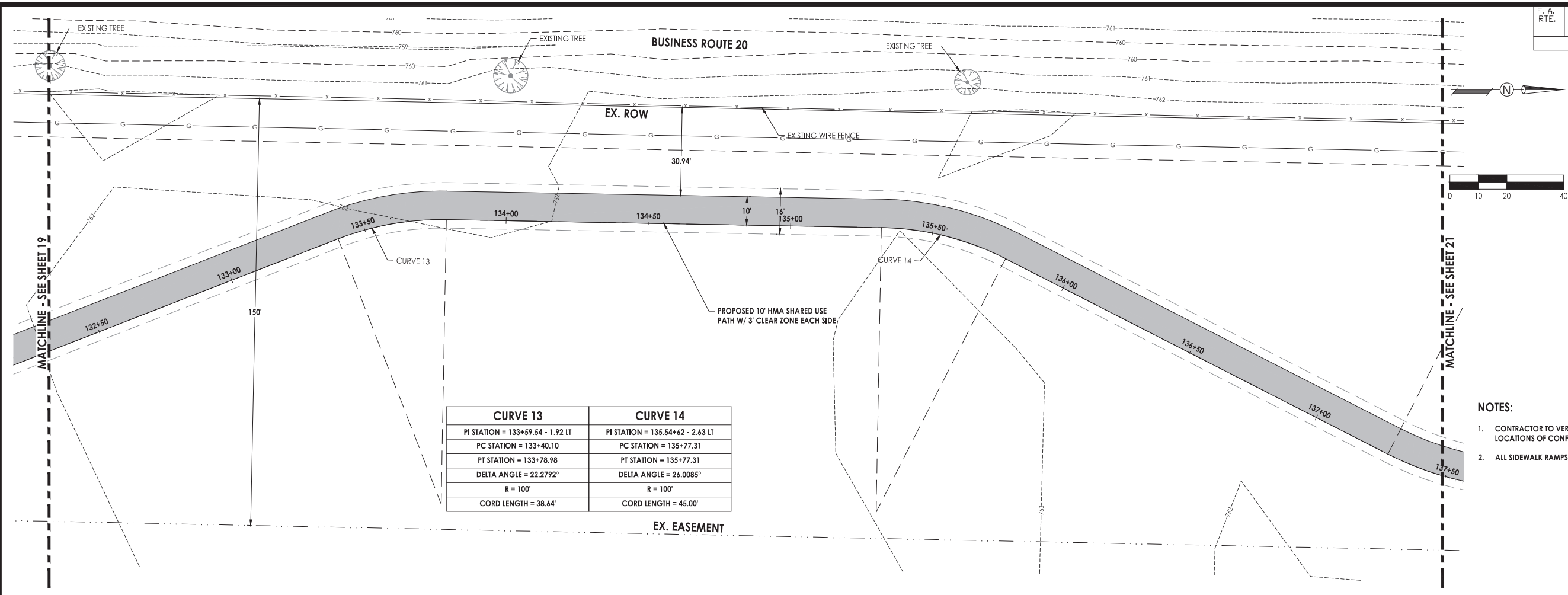
C.E.S. INC.
 QUALITY ENGINEERING SERVICES
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

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Date	Revision	By

South Piscasaw Creek Connection
 Plan and Profile
 Sta. 127+50 - 132+50

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PROJECT: 1888 BASE.dwg		Sheet 19 of 54	

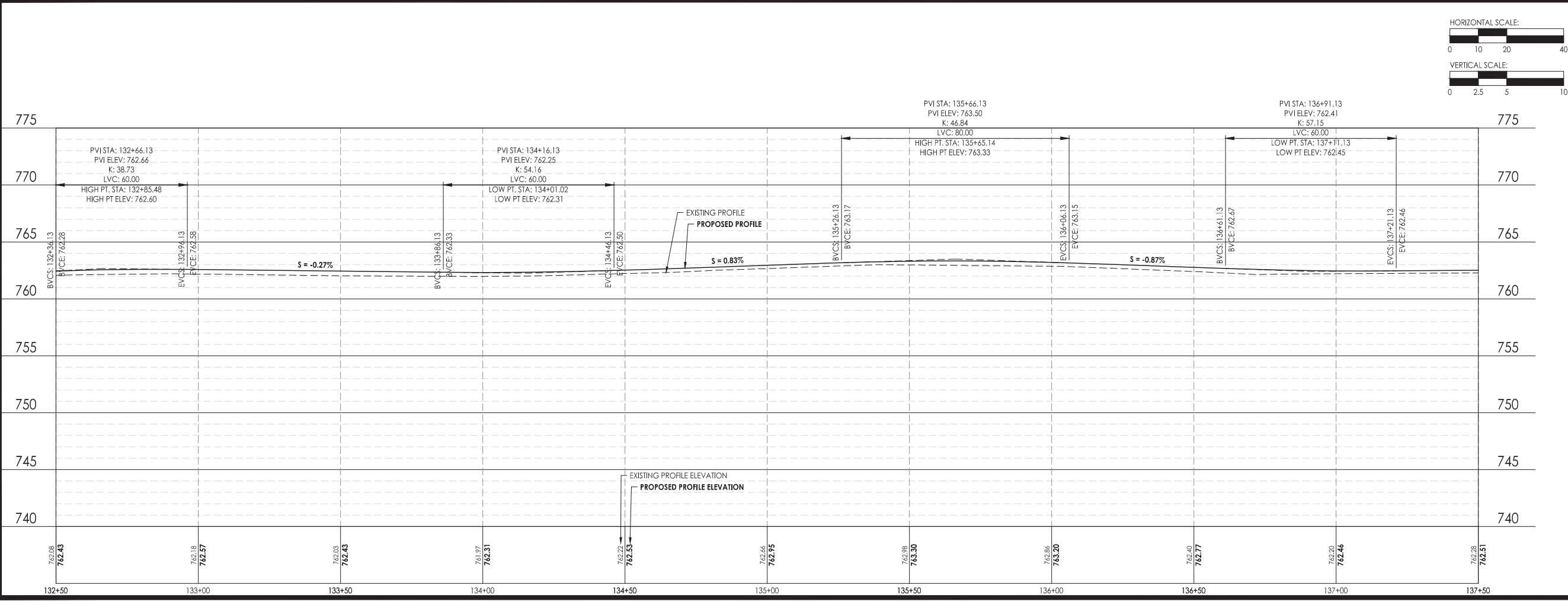
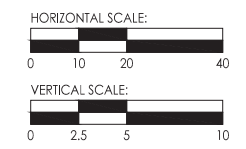


LEGEND

- EXISTING HMA PAVEMENT
- EXISTING CONCRETE SURFACE
- EXISTING AGGREGATE SHOULDER
- PROPOSED HMA SHARED USE PATH
- PROPOSED PCC SIDEWALK, 4'
- PROPOSED AGGREGATE SHOULDER

- NOTES:**
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CURVE 13		CURVE 14	
PI STATION = 133+59.54 - 1.92 LT	PI STATION = 135.54+62 - 2.63 LT		
PC STATION = 133+40.10	PC STATION = 135+77.31		
PT STATION = 133+78.98	PT STATION = 135+77.31		
DELTA ANGLE = 22.2792°	DELTA ANGLE = 26.0085°		
R = 100'	R = 100'		
CORD LENGTH = 38.64'	CORD LENGTH = 45.00'		



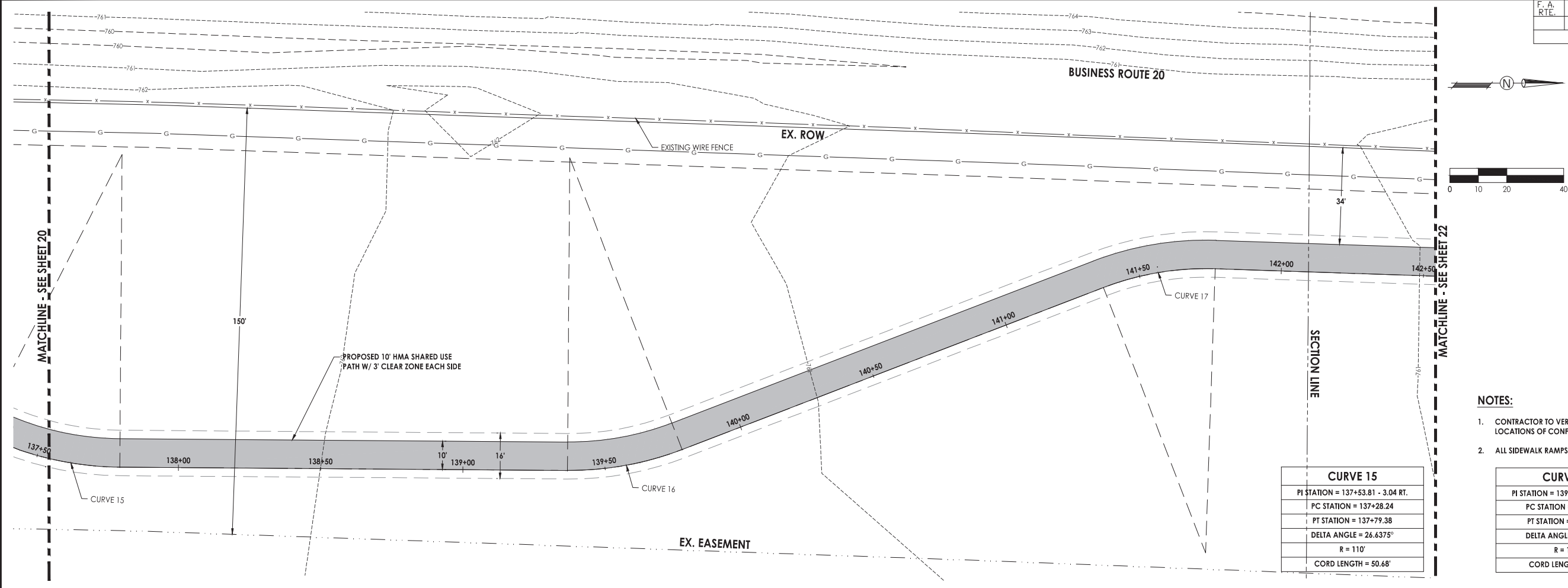
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Date	Revision	By

South Piscasaw Creek Connection
Plan and Profile
Sta. 132+50 - Sta. 137+50

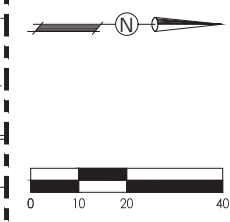
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DATE: 2/7/2022	DATE: 2/7/2022	

PROJECT: 1888 848E.dwg



LEGEND

- EXISTING HMA PAVEMENT
- EXISTING CONCRETE SURFACE
- EXISTING AGGREGATE SHOULDER
- PROPOSED HMA SHARED USE PATH
- PROPOSED PCC SIDEWALK, 4'
- PROPOSED AGGREGATE SHOULDER

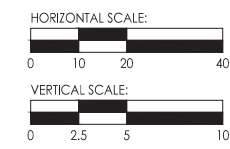
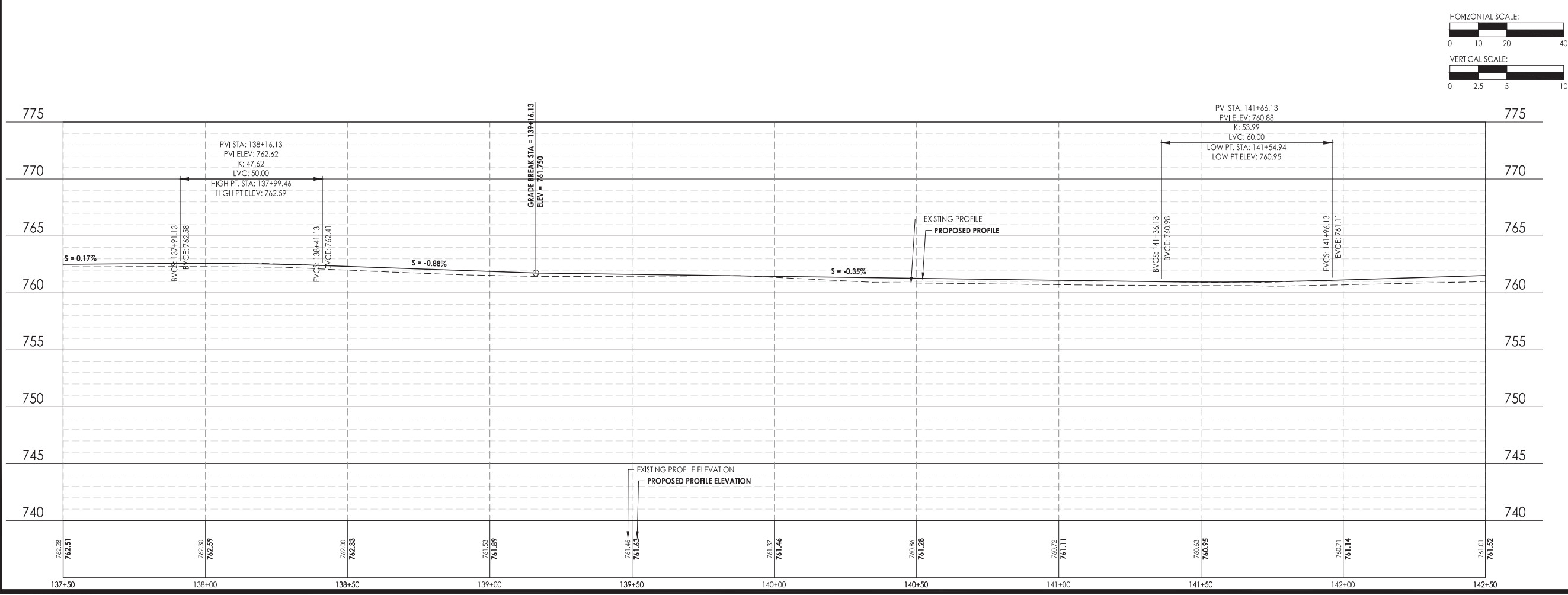


- NOTES:**
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CURVE 15	
PI STATION = 137+53.81 - 3.04 RT.	
PC STATION = 137+28.24	
PT STATION = 137+79.38	
DELTA ANGLE = 26.6375°	
R = 110'	
CORD LENGTH = 50.68'	

CURVE 16	
PI STATION = 139+57.35 - 1.96 RT.	
PC STATION = 139+36.75	
PT STATION = 139+77.96	
DELTA ANGLE = 21.4652°	
R = 110'	
CORD LENGTH = 40.97'	

CURVE 17	
PI STATION = 141+56.70 - 2.04 LT.	
PC STATION = 141+36.65	
PT STATION = 141+76.75	
DELTA ANGLE = 22.9782°	
R = 100'	
CORD LENGTH = 39.84'	



C.E.S. INC.
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 ILLINOIS DESIGN FIRM NO. 184-001260

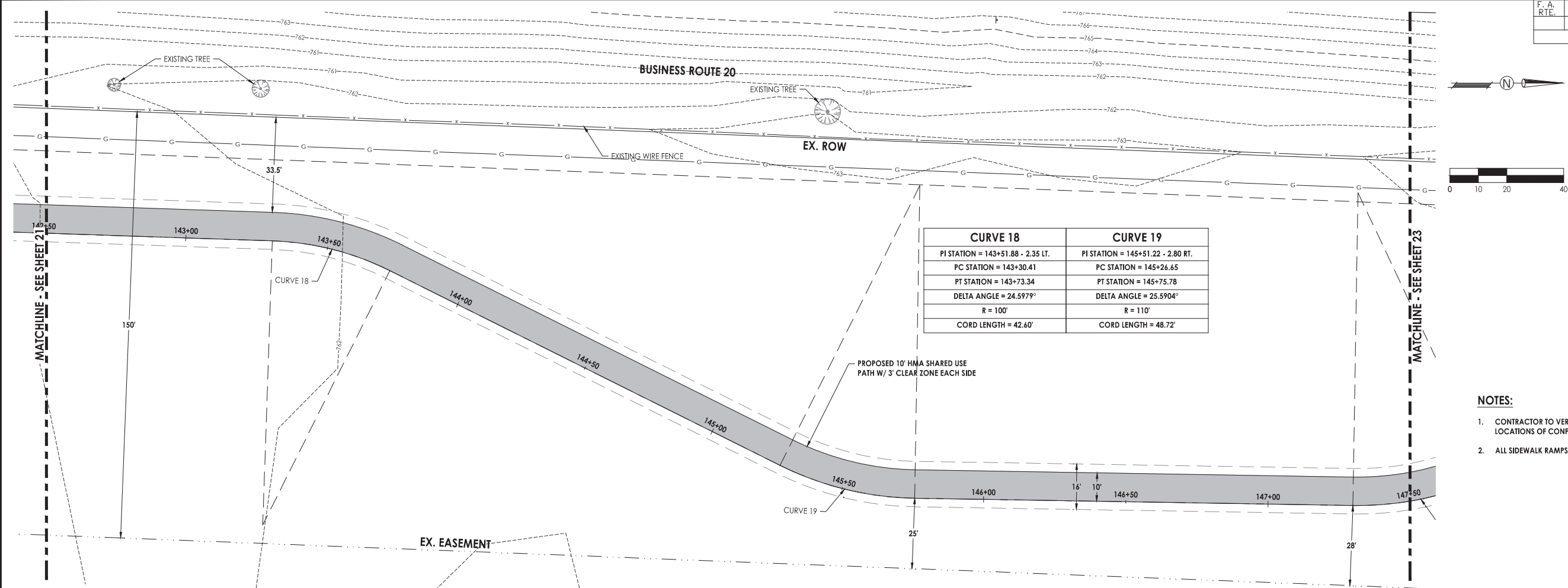
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Date	Revision	By

South Piscasaw Creek Connection
 Plan and Profile
 Sta. 137+50 - Sta. 142+50

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DATE: 2/7/2022	DATE: 2/7/2022	

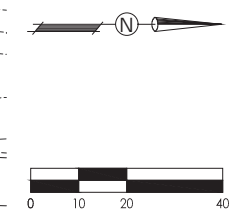
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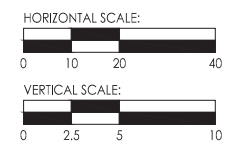
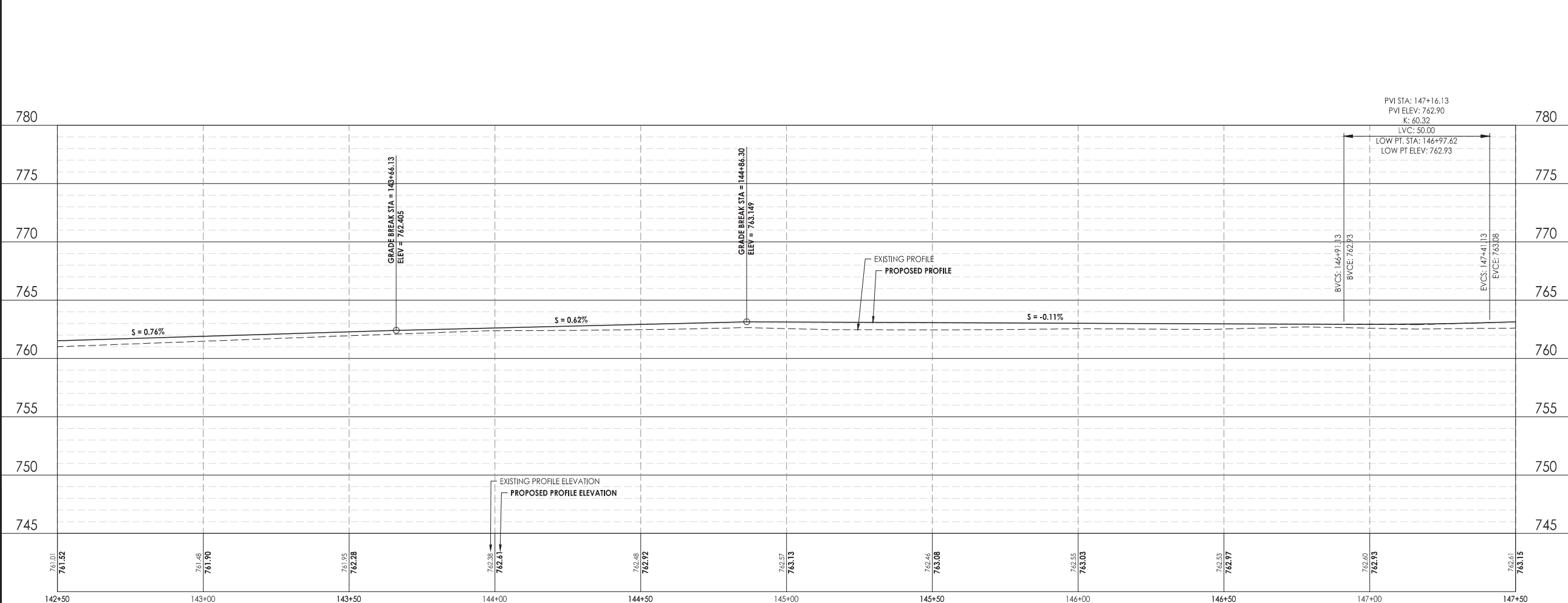
CURVE 18	CURVE 19
PI STATION = 143+51.88 - 2.35 LT.	PI STATION = 145+51.22 - 2.80 RT.
PC STATION = 143+30.41	PC STATION = 145+26.65
PT STATION = 143+73.34	PT STATION = 145+75.78
DELTA ANGLE = 24.5979°	DELTA ANGLE = 25.5904°
R = 100'	R = 110'
CORD LENGTH = 42.60'	CORD LENGTH = 48.72'

LEGEND

- EXISTING HMA PAVEMENT
- EXISTING CONCRETE SURFACE
- EXISTING AGGREGATE SHOULDER
- PROPOSED HMA SHARED USE PATH
- PROPOSED PCC SIDEWALK, 4'
- PROPOSED AGGREGATE SHOULDER



- NOTES:**
- CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
 - ALL SIDEWALK RAMPS TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.



C.E.S. INC.
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

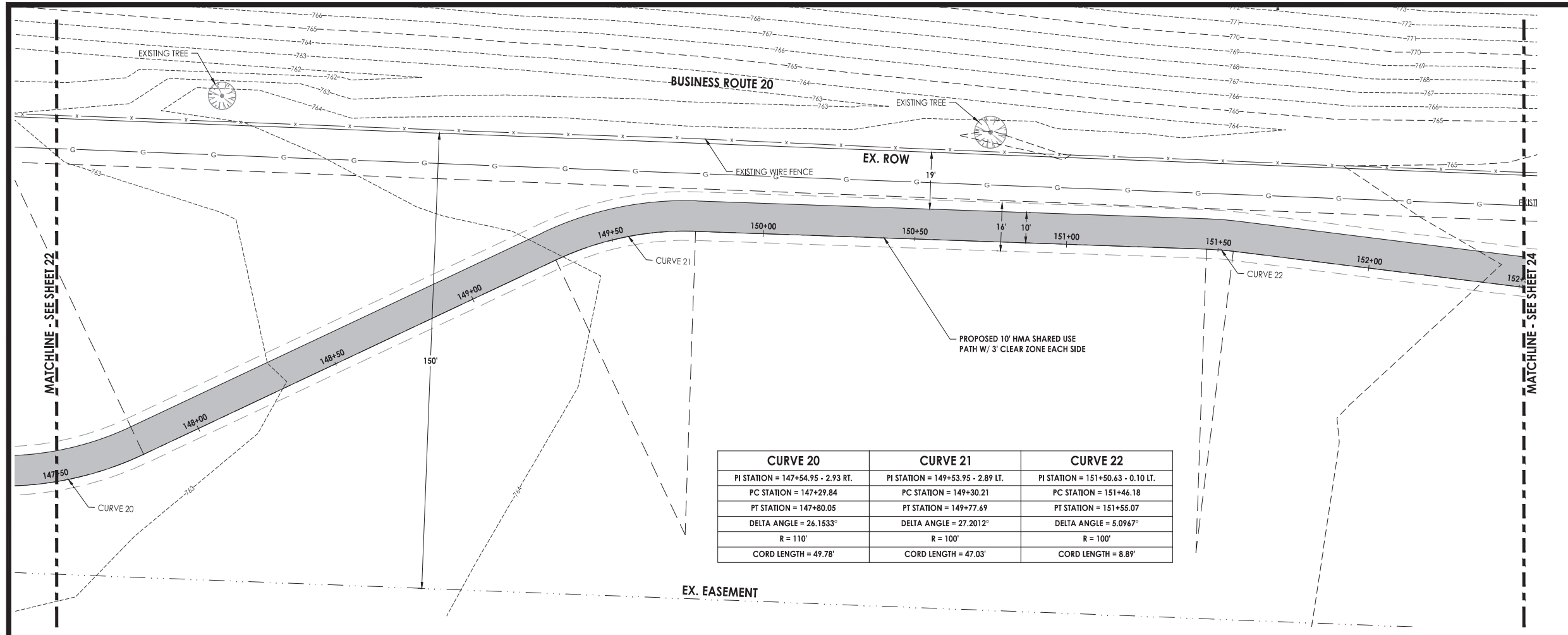
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Date	Revision	By

South Piscasaw Creek Connection
 Plan and Profile
 Sta. 142+50 - Sta. 147+50

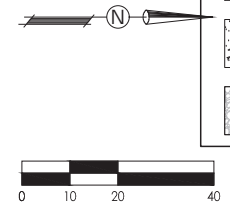
CHECKED BY: KCB	DRAWN BY: JAB	Sheet 22 of 54
DATE: 2/7/2022	DATE: 2/7/2022	

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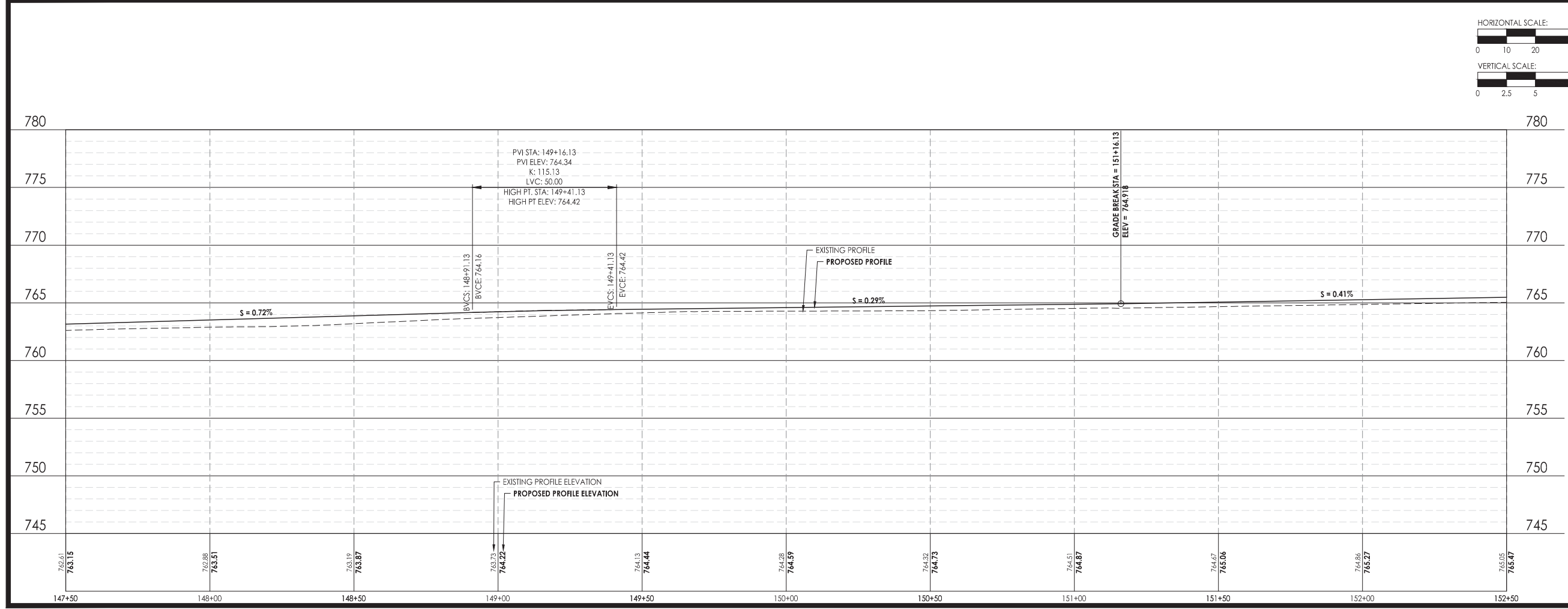
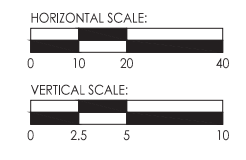
LEGEND

- EXISTING HMA PAVEMENT
- EXISTING CONCRETE SURFACE
- EXISTING AGGREGATE SHOULDER
- PROPOSED HMA SHARED USE PATH
- PROPOSED PCC SIDEWALK, 4'
- PROPOSED AGGREGATE SHOULDER



- NOTES:**
- CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
 - ALL SIDEWALK RAMPS TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.

CURVE 20	CURVE 21	CURVE 22
PI STATION = 147+54.95 - 2.93 RT.	PI STATION = 149+53.95 - 2.89 LT.	PI STATION = 151+50.63 - 0.10 LT.
PC STATION = 147+29.84	PC STATION = 149+30.21	PC STATION = 151+46.18
PT STATION = 147+80.05	PT STATION = 149+77.69	PT STATION = 151+55.07
DELTA ANGLE = 26.1533°	DELTA ANGLE = 27.2012°	DELTA ANGLE = 5.0967°
R = 110'	R = 100'	R = 100'
CORD LENGTH = 49.78'	CORD LENGTH = 47.03'	CORD LENGTH = 8.89'



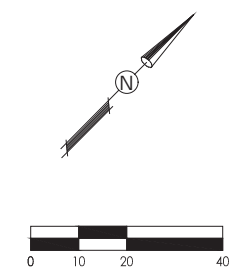
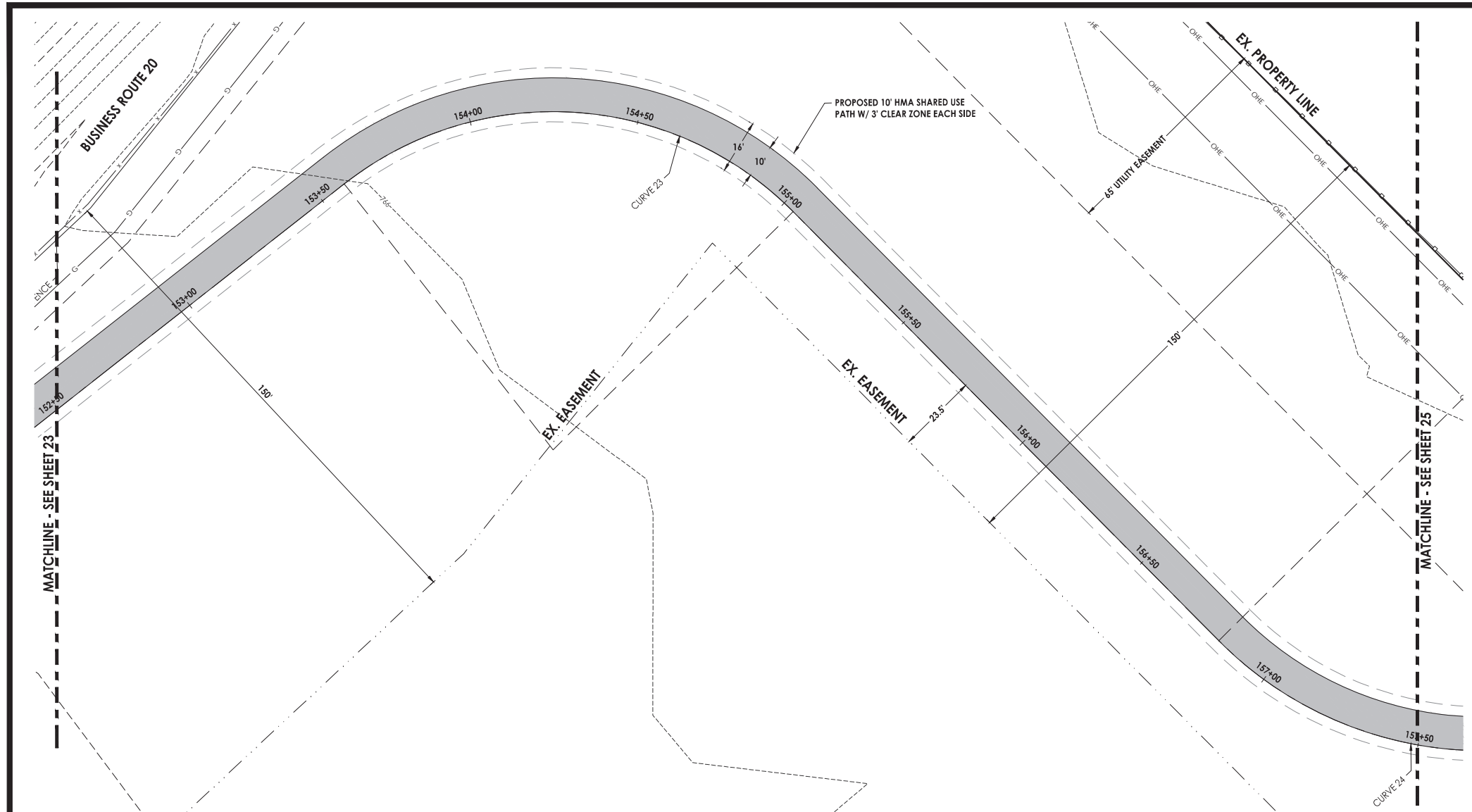
C.E.S. INC.
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

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Date	Revision	By

South Piscasaw Creek Connection
 Plan and Profile
 Sta. 147+50 - Sta. 152+50

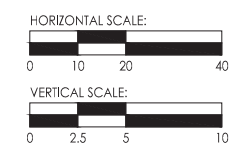
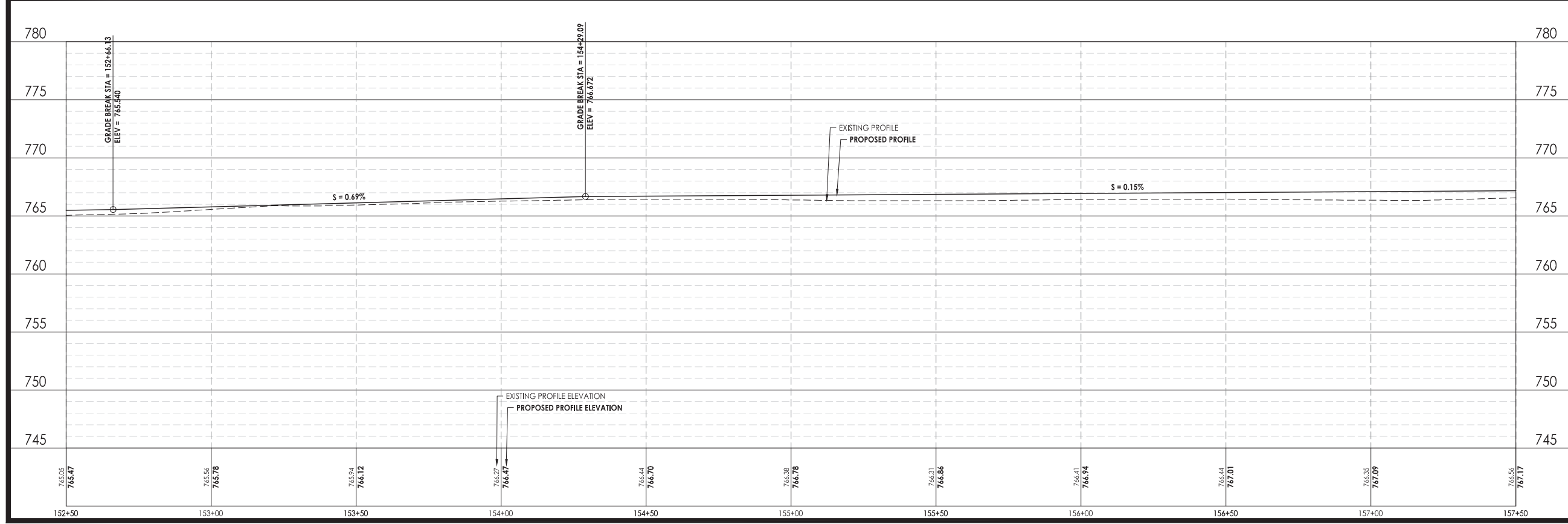
CHECKED BY: KCB	DRAWN BY: JAB	Sheet 23 of 54
DATE: 2/7/2022	DATE: 2/7/2022	



LEGEND	
	EXISTING HMA PAVEMENT
	EXISTING CONCRETE SURFACE
	EXISTING AGGREGATE SHOULDER
	PROPOSED HMA SHARED USE PATH
	PROPOSED PCC SIDEWALK, 4'
	PROPOSED AGGREGATE SHOULDER

- NOTES:**
- CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
 - ALL SIDEWALK RAMPS TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.

CURVE 23	CURVE 24
PI STATION = 154+30.92 - 33.92 LT.	PI STATION = 157+68.88 - 45.65 RT.
PC STATION = 153+58.15	PC STATION = 156+82.43
PT STATION = 155+03.69	PT STATION = 158+55.33
DELTA ANGLE = 83.3839°	DELTA ANGLE = 90.0613°
R = 100'	R = 110'
CORD LENGTH = 113.03'	CORD LENGTH = 155.65'

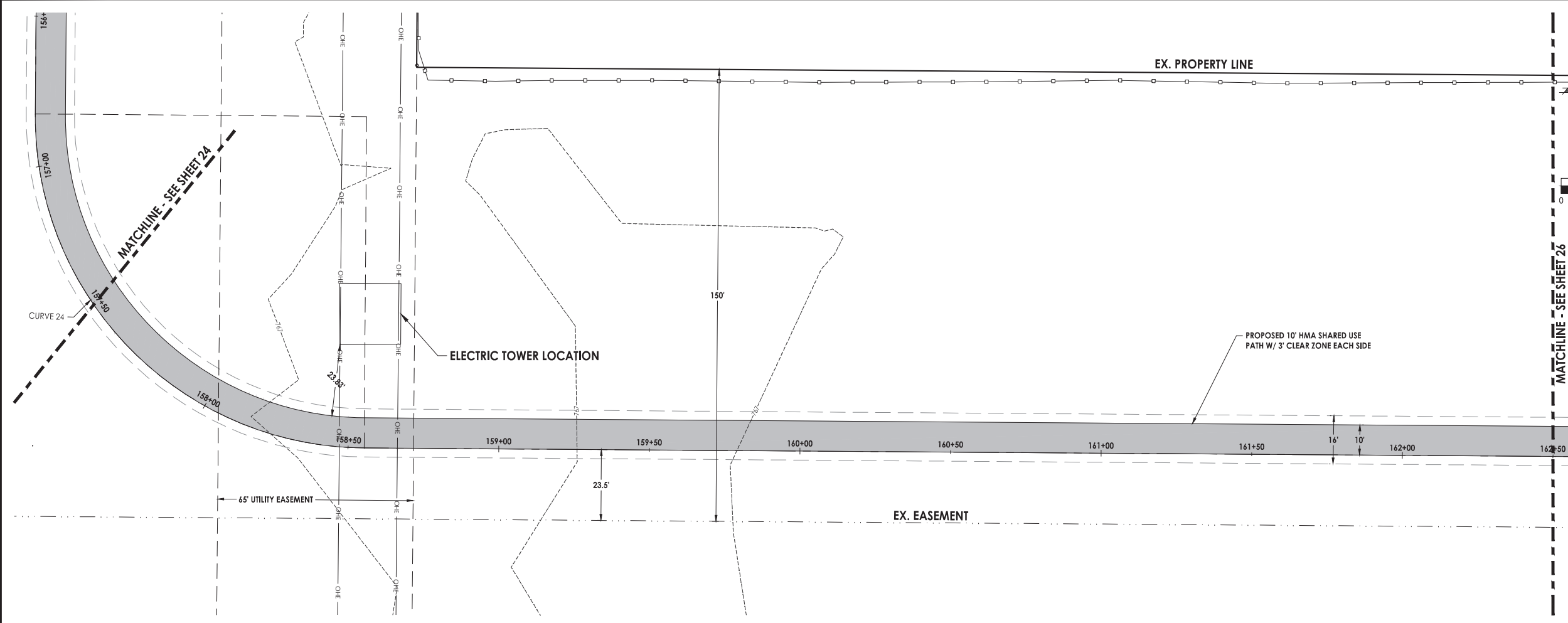


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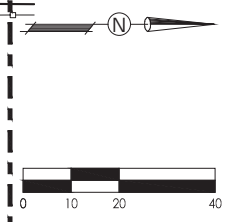
Date	Revision	By

Checked By: KCB		Drawn By: JAB	
Date: 2/7/2022		Date: 2/7/2022	
South Piscasaw Creek Connection Plan and Profile Sta. 152+50 - Sta. 157+50			
Sheet 24 of 54			

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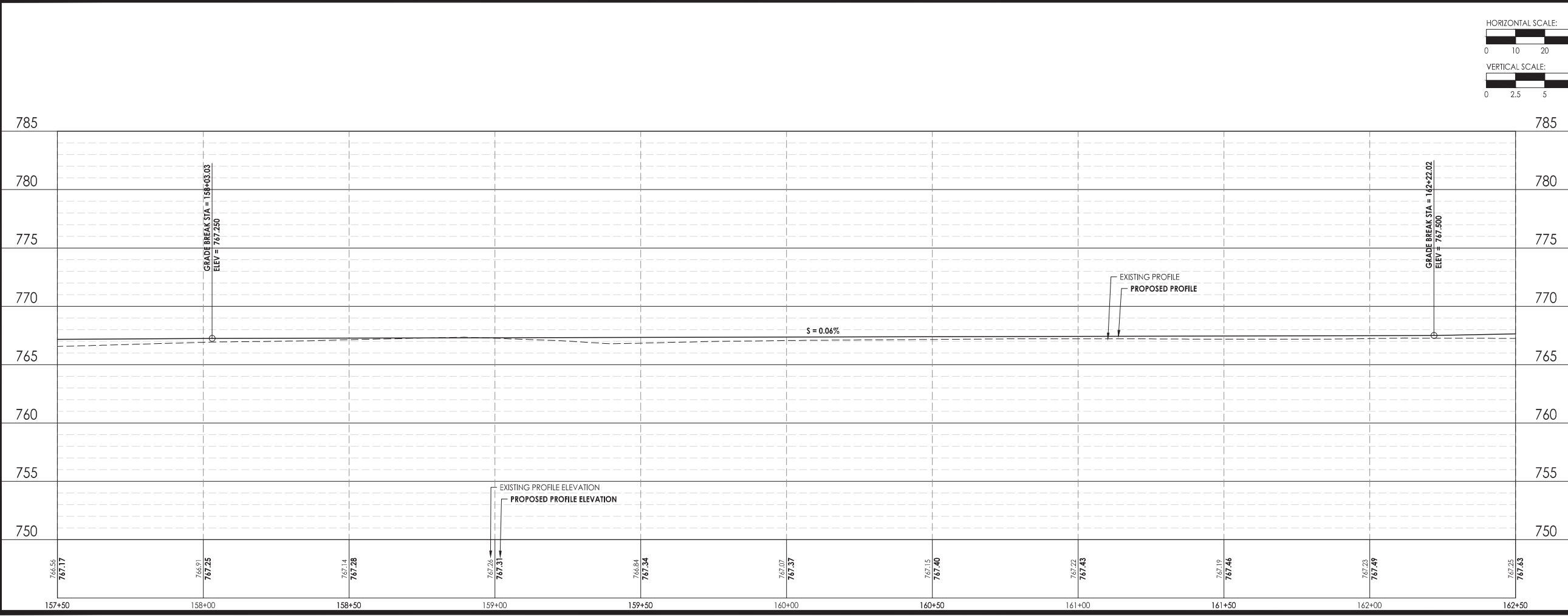
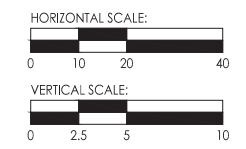


LEGEND	
	EXISTING HMA PAVEMENT
	EXISTING CONCRETE SURFACE
	EXISTING AGGREGATE SHOULDER
	PROPOSED HMA SHARED USE PATH
	PROPOSED PCC SIDEWALK, 4"
	PROPOSED AGGREGATE SHOULDER



- NOTES:**
- CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
 - ALL SIDEWALK RAMPS TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.

CURVE 24	
PI STATION =	157+68.88 - 45.65 RT.
PC STATION =	156+82.43
PT STATION =	158+55.33
DELTA ANGLE =	90.0613°
R =	110'
CORD LENGTH =	155.65'

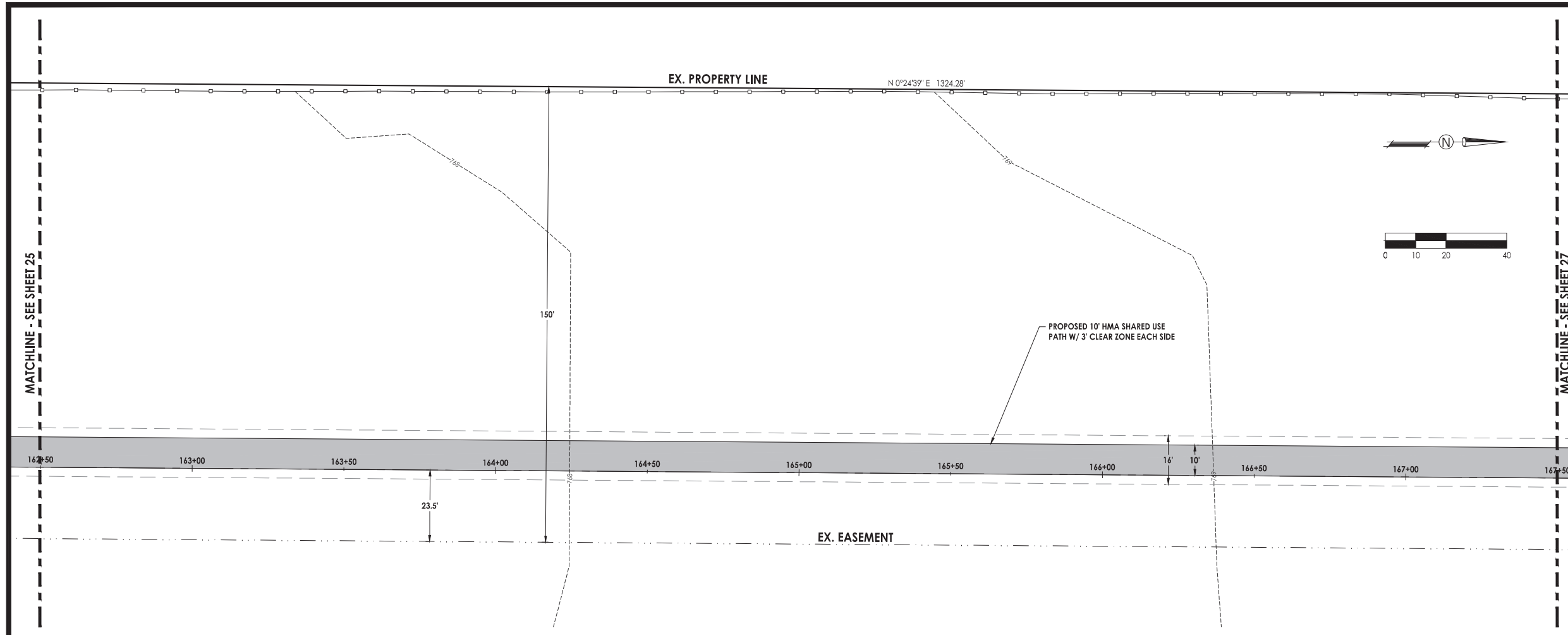


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Date	Revision	By

South Piscasaw Creek Connection
Plan and Profile
Sta. 157+50 - Sta. 162+50

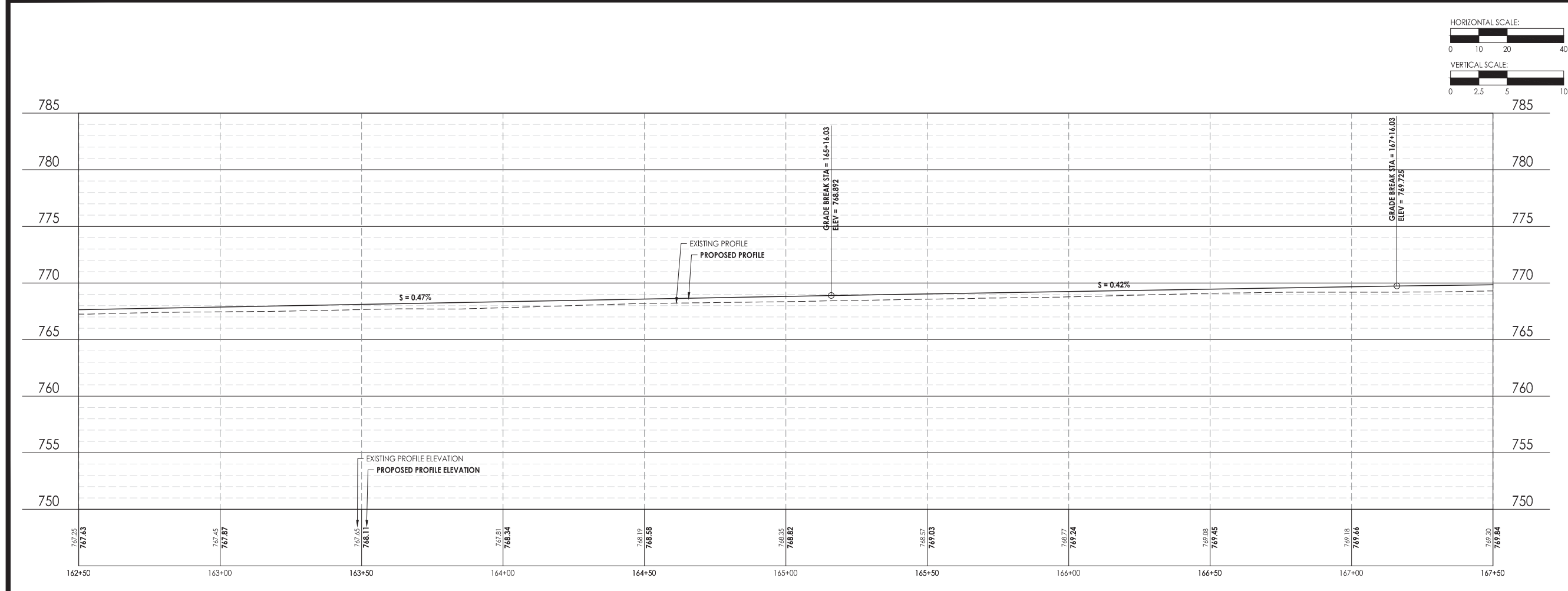
CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	Sheet 25 of 54
PROJECT: 1888 BAE-d		



LEGEND

	EXISTING HMA PAVEMENT
	EXISTING CONCRETE SURFACE
	EXISTING AGGREGATE SHOULDER
	PROPOSED HMA SHARED USE PATH
	PROPOSED PCC SIDEWALK, 4'
	PROPOSED AGGREGATE SHOULDER

- NOTES:**
1. CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
 2. ALL SIDEWALK RAMPS TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.



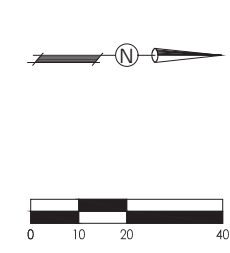
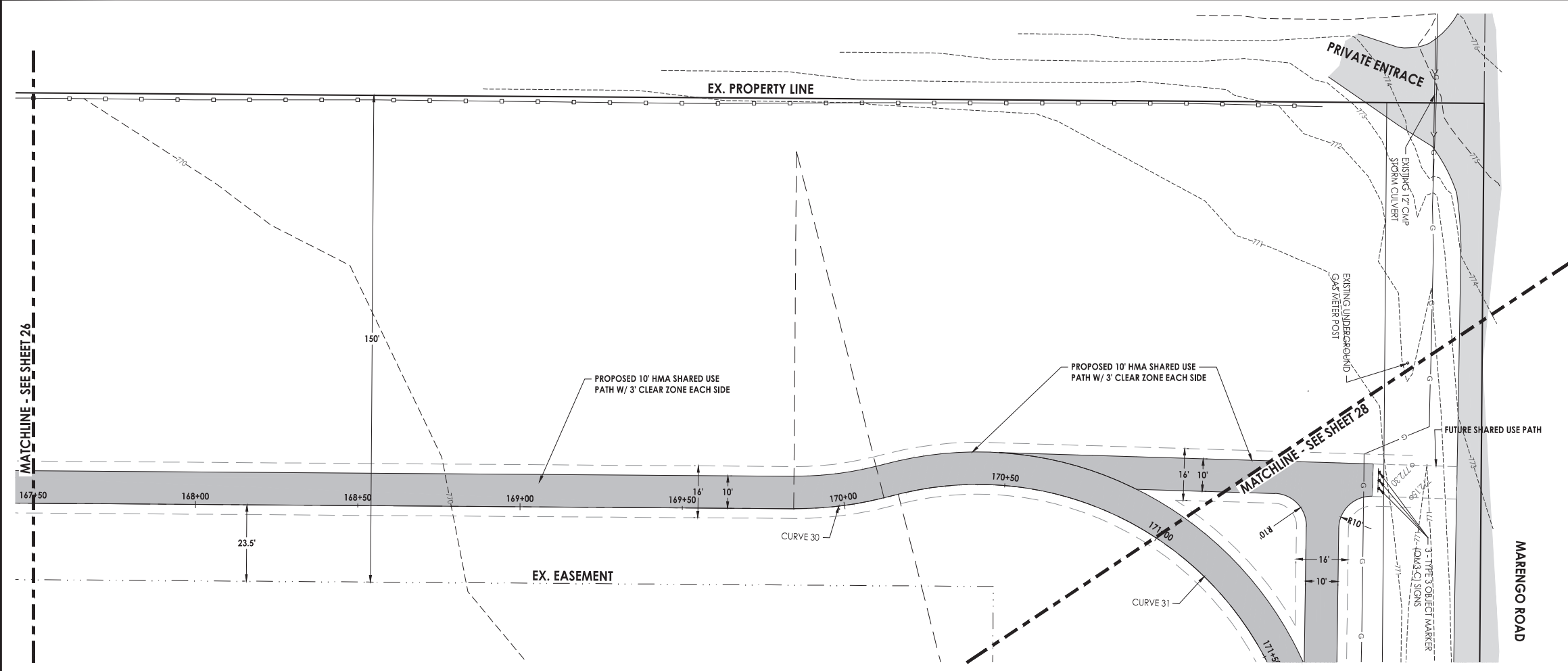
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Date	Revision	By

South Piscasaw Creek Connection
Plan and Profile
Sta. 162+50 - Sta. 167+50

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PROJECT: 1888 SASE.dwg		

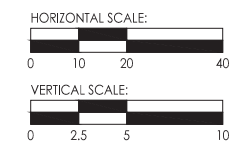
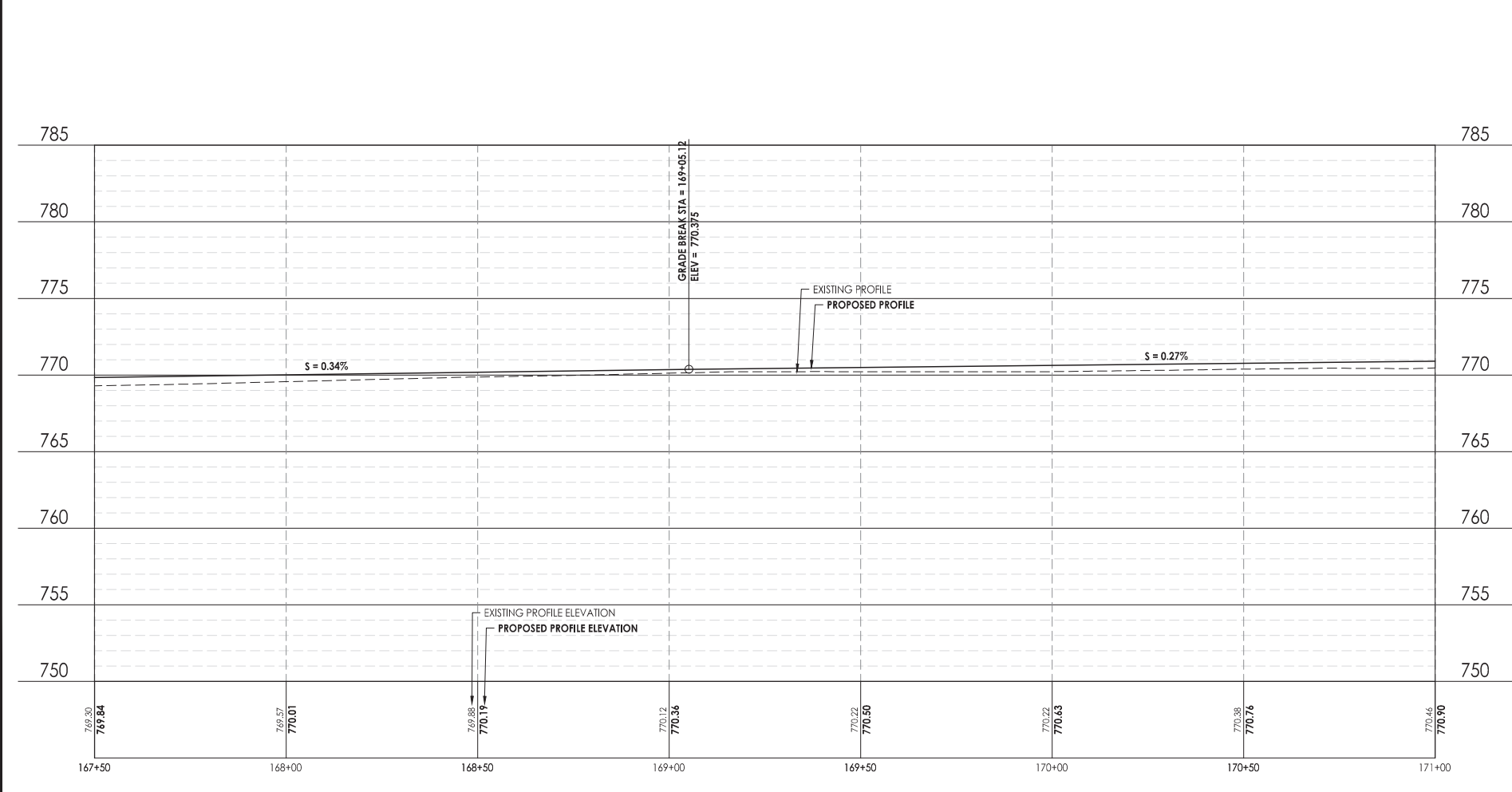
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LEGEND	
	EXISTING HMA PAVEMENT
	EXISTING CONCRETE SURFACE
	EXISTING AGGREGATE SHOULDER
	PROPOSED HMA SHARED USE PATH
	PROPOSED PCC SIDEWALK, 4'
	PROPOSED AGGREGATE SHOULDER

- NOTES:**
- CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
 - ALL SIDEWALK RAMPS TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.

CURVE 30	CURVE 31
PI STATION = 169+98.36 - 0.90 RT.	PI STATION = 171+08.53 - 64.19 LT.
PC STATION = 169+84.38	PC STATION = 170+16.94
PT STATION = 170+12.33	PT STATION = 172+00.13
DELTA ANGLE = 14.5604°	DELTA ANGLE = 104.9602°
R = 110'	R = 100'
CORD LENGTH = 27.88	CORD LENGTH = 158.63



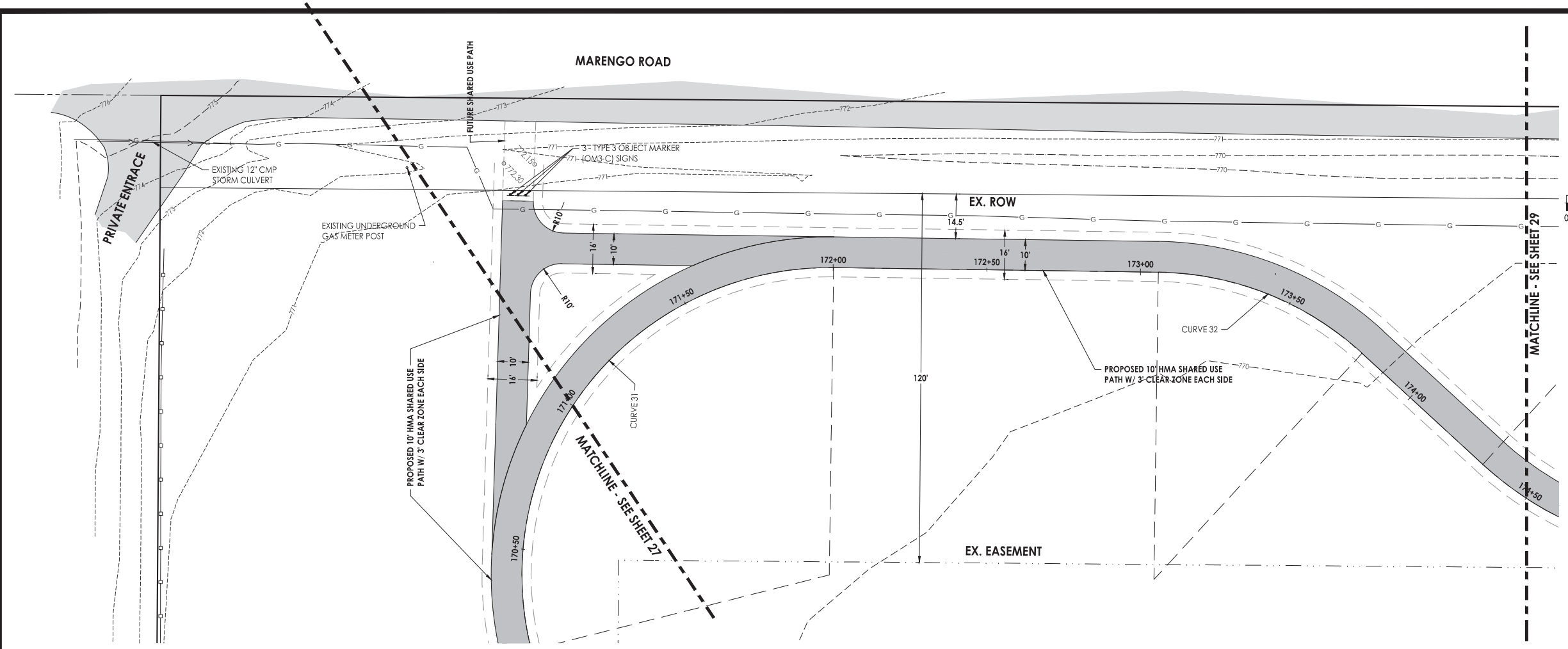
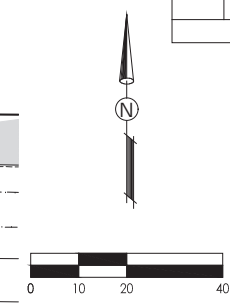
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Date	Revision	By

South Piscasaw Creek Connection Plan and Profile Sta. 167+50 - Sta. 171+00	
CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022
Sheet 27 of 54	

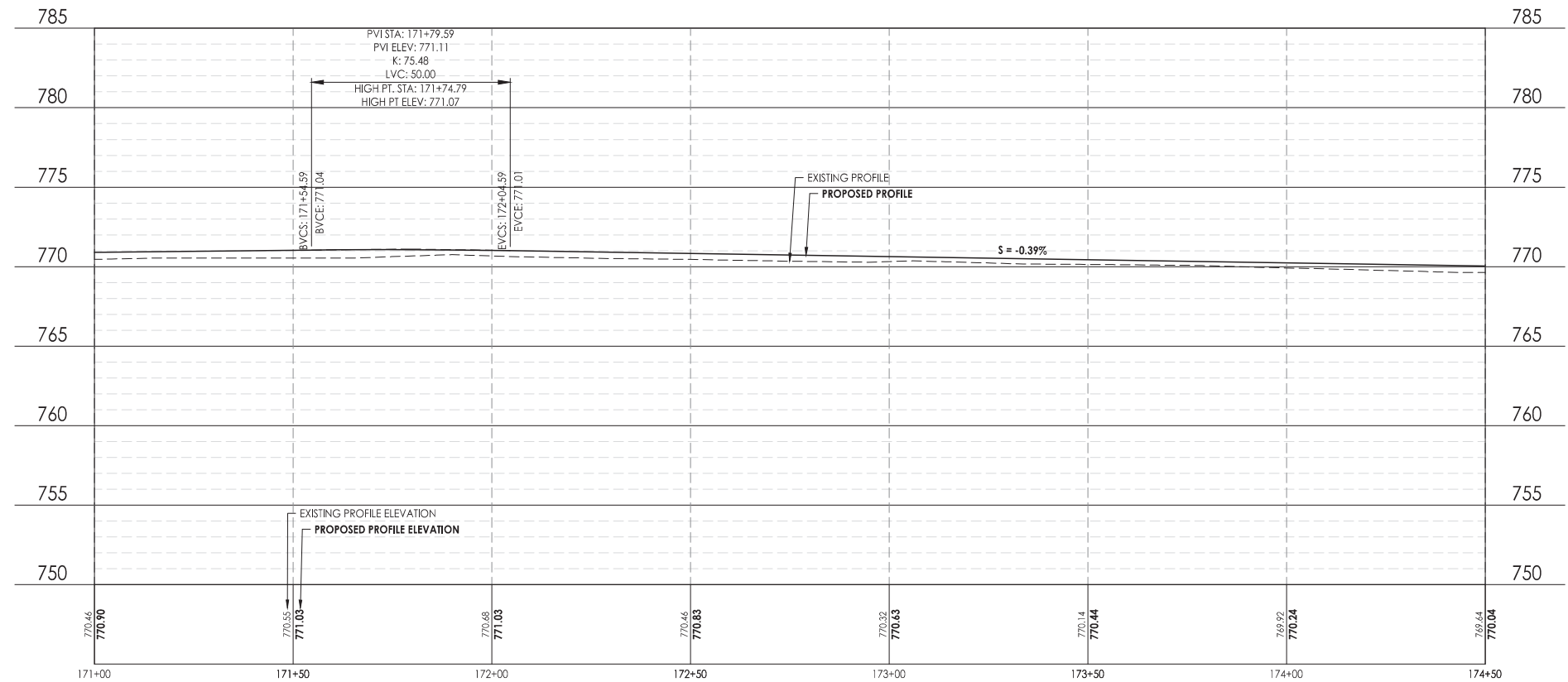
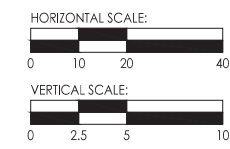
LEGEND

- EXISTING HMA PAVEMENT
- EXISTING CONCRETE SURFACE
- EXISTING AGGREGATE SHOULDER
- PROPOSED HMA SHARED USE PATH
- PROPOSED PCC SIDEWALK, 4'
- PROPOSED AGGREGATE SHOULDER



- NOTES:**
- CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
 - ALL SIDEWALK RAMPS TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.

CURVE 31	CURVE 32
PI STATION = 171+08.53 - 64.19 LT.	PI STATION = 173+42.25 - 7.04 LT.
PC STATION = 170+16.94	PC STATION = 173+05.78
PT STATION = 172+00.13	PT STATION = 173+78.72
DELTA ANGLE = 104.9602°	DELTA ANGLE = 41.7954°
R = 100'	R = 100'
CORD LENGTH = 158.63	CORD LENGTH = 71.34

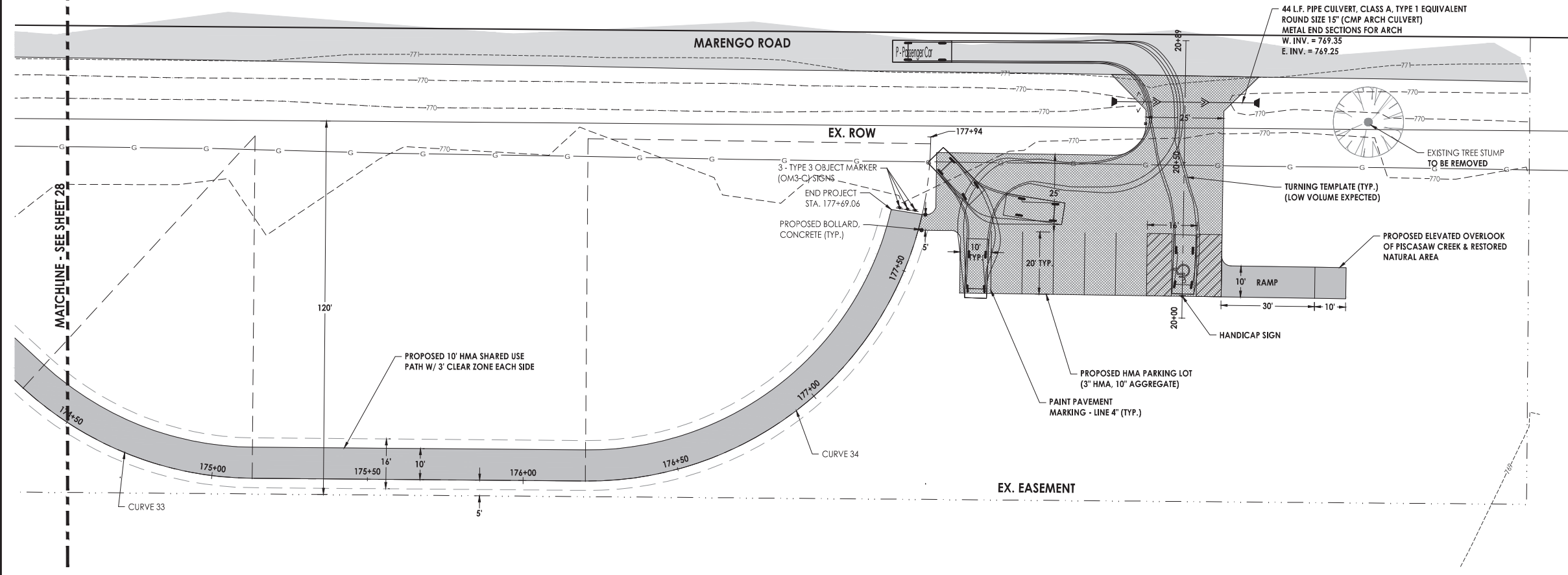


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Date	Revision	By

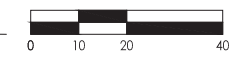
**South Piscasaw Creek Connection
Plan and Profile
Sta. 171+00 - Sta. 174+50**

CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	Sheet 28 of 54
PROJECT: BOONE COUNTY CHRYSLER ECHO SPCC Paving Contract PROJECT: 1888 BAE-d		



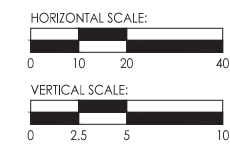
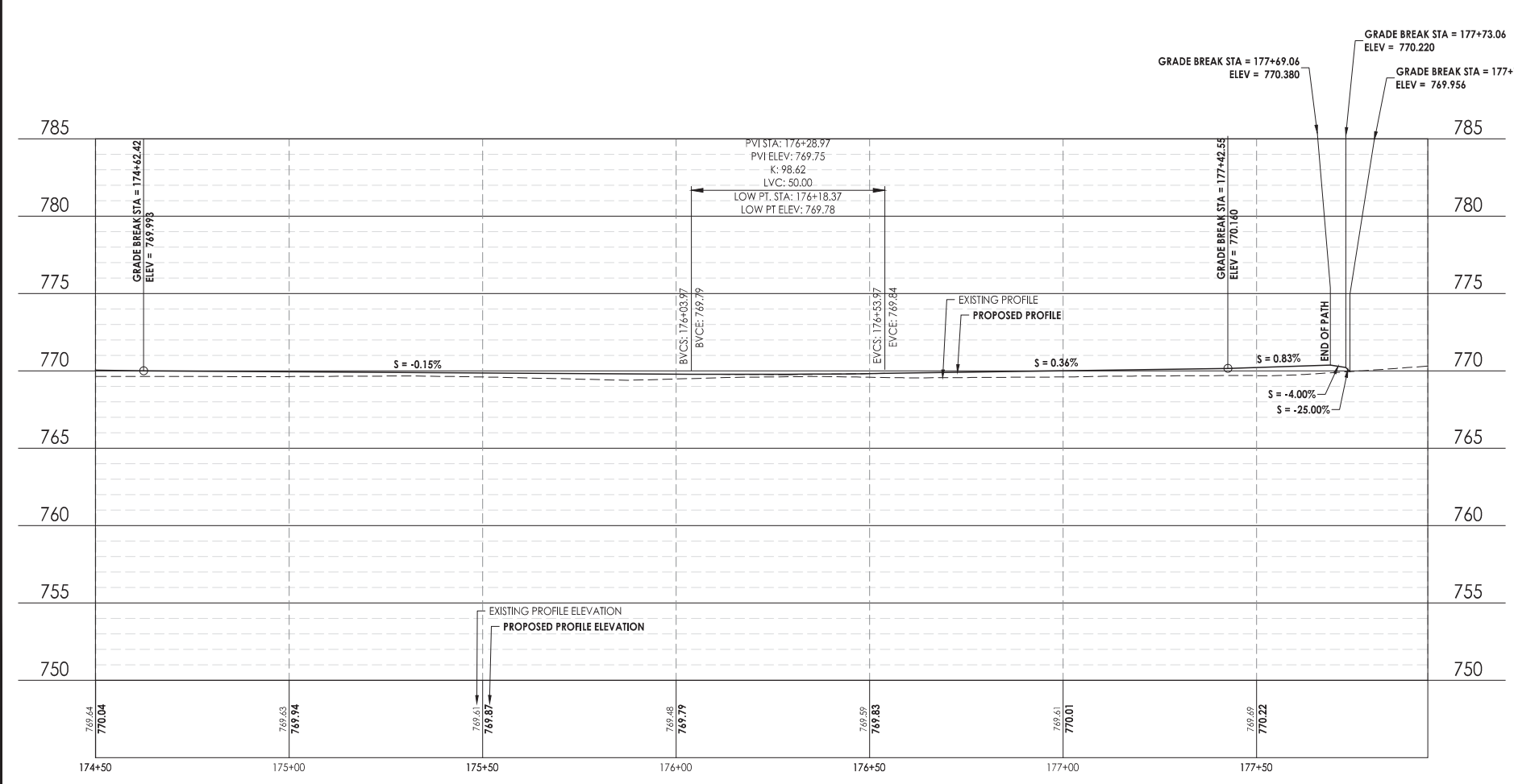
LEGEND

	EXISTING HMA PAVEMENT
	EXISTING CONCRETE SURFACE
	EXISTING AGGREGATE SHOULDER
	PROPOSED HMA SHARED USE PATH
	PROPOSED PCC SIDEWALK, 4"
	PROPOSED AGGREGATE SHOULDER



- NOTES:**
- CONTRACTOR TO VERIFY EXACT LOCATION AND ELEVATION OF EXISTING UTILITIES AT LOCATIONS OF CONFLICT. CONTRACTOR TO NOTIFY ENGINEER WITH ANY DISCREPANCIES.
 - ALL SIDEWALK RAMP TO BE IN ACCORDANCE WITH ADA REQUIREMENTS.

CURVE 33	CURVE 34
PI STATION = 174+72.55 - 7.88 RT.	PI STATION = 177+05.97 - 45.03 RT.
PC STATION = 174+32.10	PC STATION = 176+19.96
PT STATION = 175+13.00	PT STATION = 177+91.99
DELTA ANGLE = 42.1372°	DELTA ANGLE = 89.6034°
R = 110'	R = 110'
CORD LENGTH = 79.09	CORD LENGTH = 155.02

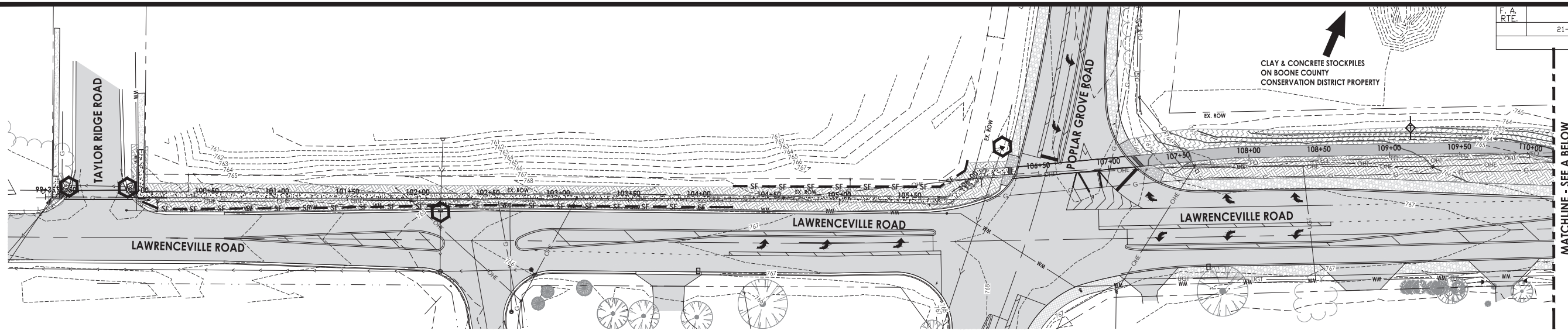


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Date	Revision	By

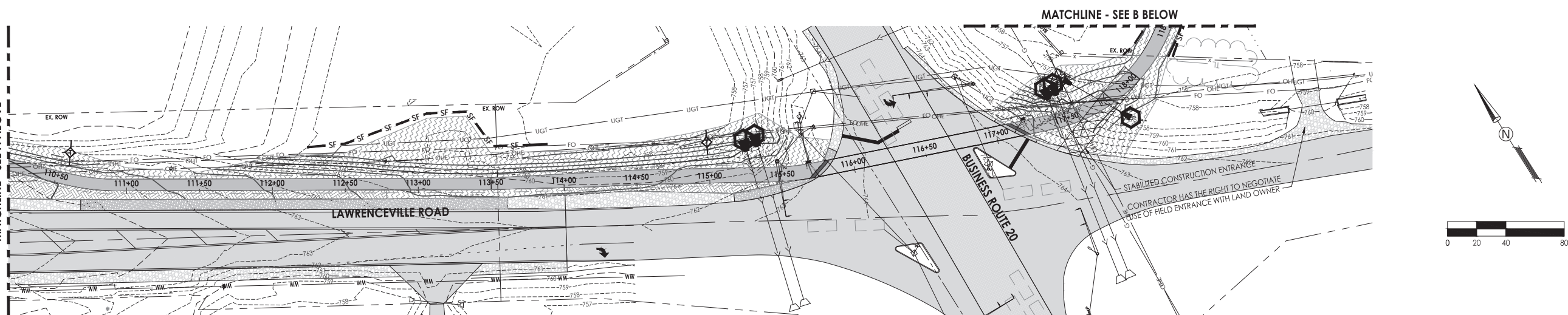
South Piscasaw Creek Connection
Plan and Profile
Sta. 174+50 - Sta. 177+94

CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	Sheet 29 of 54
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CLAY & CONCRETE STOCKPILES ON BOONE COUNTY CONSERVATION DISTRICT PROPERTY

MATCHLINE - SEE A BELOW



SEEDING WITHIN 10' OF ROADWAY PAVEMENT SHALL BE SEEDING, CLASS 1A

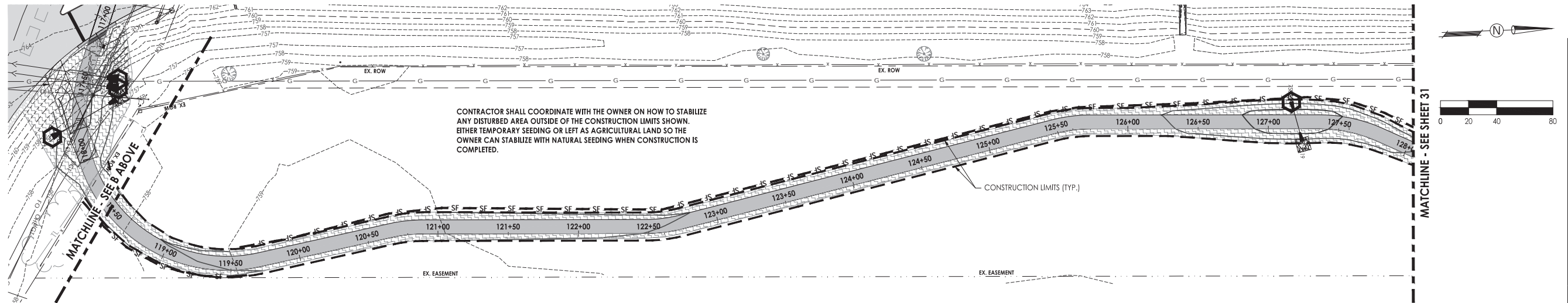
ANY DISTURBED LAND OUTSIDE OF THE CONSTRUCTION LIMITS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN WILL BE RESTORED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.

FERTILIZER SHALL BE PLACED PER SECTION 250 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

WASHOUT BASIN FOR CONCRETE TRUCKS SHALL BE USED AS REQUIRED AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LUMP SUM FOR WASHOUT BASIN.

CLAY STOCKPILE (1250 C.Y.) & SOME PARTS OF CONCRETE STOCKPILES (5800 C.Y.) AT THE NORTHEAST CORNER OF POPLAR GROVE ROAD AND LAWRENCEVILLE ROAD MAY BE UTILIZED FOR FILL BY THE CONTRACTOR. CONTRACTOR TO COORDINATE WITH BOONE COUNTY CONSERVATION DISTRICT.

Contours	
Existing	Minor
	Major
Final grading	Minor
	Major



CONTRACTOR SHALL COORDINATE WITH THE OWNER ON HOW TO STABILIZE ANY DISTURBED AREA OUTSIDE OF THE CONSTRUCTION LIMITS SHOWN. EITHER TEMPORARY SEEDING OR LEFT AS AGRICULTURAL LAND SO THE OWNER CAN STABILIZE WITH NATURAL SEEDING WHEN CONSTRUCTION IS COMPLETED.

LEGEND	
	INLET PROTECTION (VARIES BY INLET TYPE)
	STONE RIPRAP, CLASS A3, 10 S.Y.
	PERIMETER EROSION BARRIER
	TOPSOIL PLACEMENT, 4" MIN. SEEDING CLASS 1 & EROSION CONTROL BLANKET
	STABILIZED CONSTRUCTION ENTRANCE
	TOPSOIL PLACEMENT, 4" MIN. SEEDING CLASS 1 SEEDING & MULCH METHOD 2
	CONSTRUCTION LIMITS
	PROPOSED SPOT ELEVATION
	MATCH EXISTING

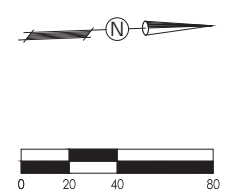
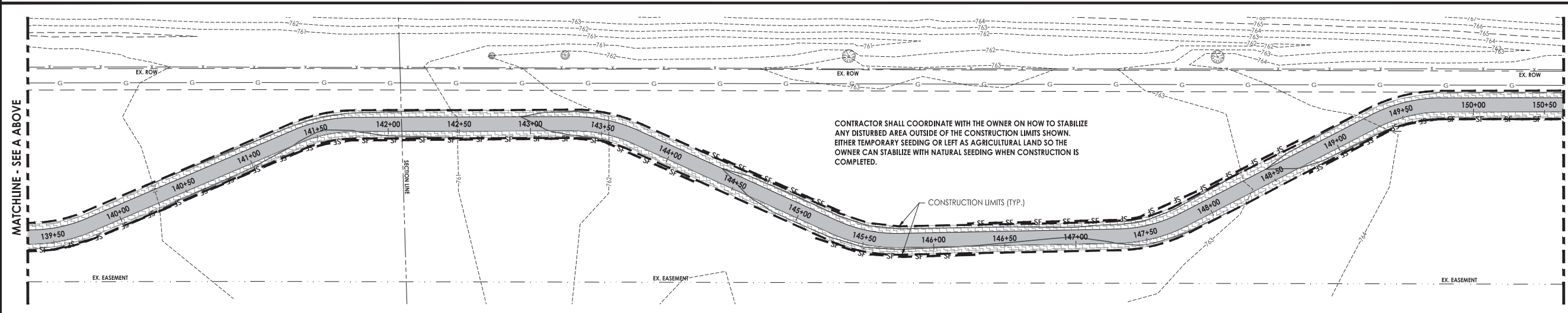
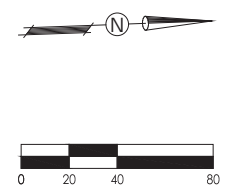
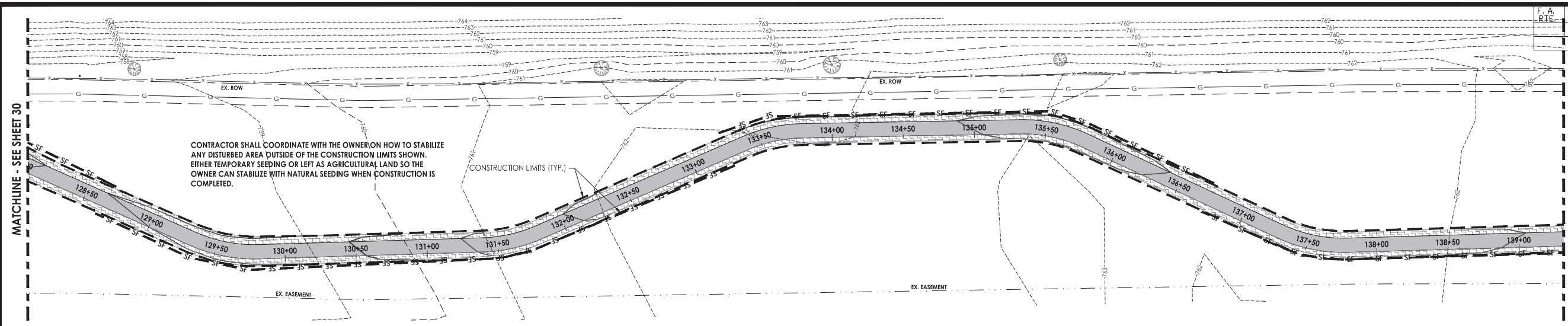
EROSION AND SEDIMENT CONTROL NOTES:

- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE "ILLINOIS URBAN MANUAL", LATEST REVISION.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY BOONE COUNTY CONSERVATION DISTRICT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SWEEPING PUBLIC & DEVELOPMENT STREETS WHEN DEBRIS HAS BEEN TRACKED AND OR WASHED ON THEM. THE CONTRACTOR SHALL BE RESPONSIBLE TO SWEEP THE STREETS IF DIRECTED TO DO SO BY BOONE COUNTY CONSERVATION DISTRICT. THE CONTRACTOR IS ALSO RESPONSIBLE TO CONTROL DUST ON THE SITE IN ACCORDANCE WITH PRACTICES IN THE "ILLINOIS URBAN MANUAL", LATEST REVISION.
- ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AND STABILIZED PRIOR TO SITE CLEARING AND GRADING. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE MAINTAINED THROUGH THE DURATION OF THE PROJECT. ALL EROSION AND SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED WEEKLY AND AFTER EACH 1/2" RAINFALL EVENT AND 6" SNOWFALL EVENT AND AN INSPECTION RECORD SHALL BE MAINTAINED BY THE CONTRACTOR AT THE JOB SITE FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM THESE INSPECTIONS AND TO MAINTAIN ALL EROSION AND SEDIMENT CONTROL DEVICES IN SUCH A MANNER THAT THEY CONTINUE TO FUNCTION FOR THE DURATION OF THEIR INTENDED USE. THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM ALL TEMPORARY SEEDING.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY SEEDING WITHIN 14 DAYS FOLLOWING THE END OF ACTIVE DISTURBANCE.
- EROSION BLANKETS ARE TO BE INSTALLED ON ALL SLOPES STEEPER THAN 10% IMMEDIATELY AFTER TOPSOILING, FERTILIZING, AND SEEDING ARE COMPLETE. EROSION BLANKETS WILL NOT BE REQUIRED IF SOD IS USED. INSTALLATION OF EROSION BLANKETS SHALL BE ACCORDING TO THE RECOMMENDATIONS OF THE MANUFACTURER. EROSION BLANKETS SHALL BE INSPECTED PERIODICALLY AND AFTER EACH RAINFALL FOR DAMAGE OR DISPLACEMENT. DAMAGED OR DISPLACED EROSION BLANKETS SHALL BE REPAIRED OR RESTAPED AS SOON AS POSSIBLE. TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED VIA PERMANENT MEASURES. PERMANENT VEGETATION AND STRUCTURES SHALL BE INSTALLED AND FUNCTIONAL AS SOON AS PRACTICAL DURING DEVELOPMENT. PERMANENT SEEDING, SODDING, OR LANDSCAPING SHALL BE COMPLETED WITHIN 7 DAYS OF FINAL TOPSOIL RE-SPREAD.
- ALL STOCKPILES ARE TO BE PLACED AT A LOCATION SPECIFIED BY THE ENGINEER. ALL STOCKPILES ARE TO BE PROTECTED BY PERIMETER EROSION BARRIER ALONG THE DOWN SLOPE SIDES OF THE STOCKPILE OR AROUND THE ENTIRE PERIMETER IF DIRECTED TO DO SO BY THE ENGINEER, BOONE COUNTY CONSERVATION DISTRICT, OR THEIR REPRESENTATIVES. ANY STOCKPILES THAT WILL REMAIN UNDISTURBED FOR LONGER THAN THREE WEEKS SHALL BE PROTECTED BY TEMPORARY SEEDING. SOIL STORAGE PILES CONTAINING MORE THAN 10 CUBIC YARDS OF MATERIAL SHALL NOT BE LOCATED WITH A DOWN SLOPE DRAINAGE LENGTH OF LESS THAN 25 FEET TO A ROAD WAY OR DRAINAGE CHANNEL. COST OF TEMPORARY SEEDING SHALL BE INCLUDED PRICE BID PER EROSION CONTROL LUMP SUM.
- EROSION FABRIC IS NECESSARY FOR SILT TRAPS INSTALLED AT ALL STORM STRUCTURES WITH OPEN LIDS. ALL STORMWATER INLETS SHALL BE PROTECTED BY SILT TRAPS, STRAW BALE DIKES, EXCELSIOR LOGS, EROSION FABRIC, OR OTHER METHODS APPROVED BY BOONE COUNTY CONSERVATION DISTRICT AFTER EACH RAINFALL EACH INLET SHALL BE INSPECTED. ANY INLET PROTECTION THAT HAS FAILED OR IS DAMAGED SHALL BE REPAIRED AS SOON AS POSSIBLE. SEDIMENT SHALL BE REMOVED AS NECESSARY TO PROVIDE FOR THE CONTINUED EFFECTIVENESS OF THE INLET PROTECTION TECHNIQUE IN USE.

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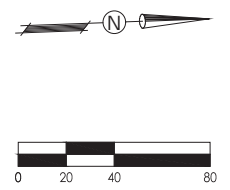
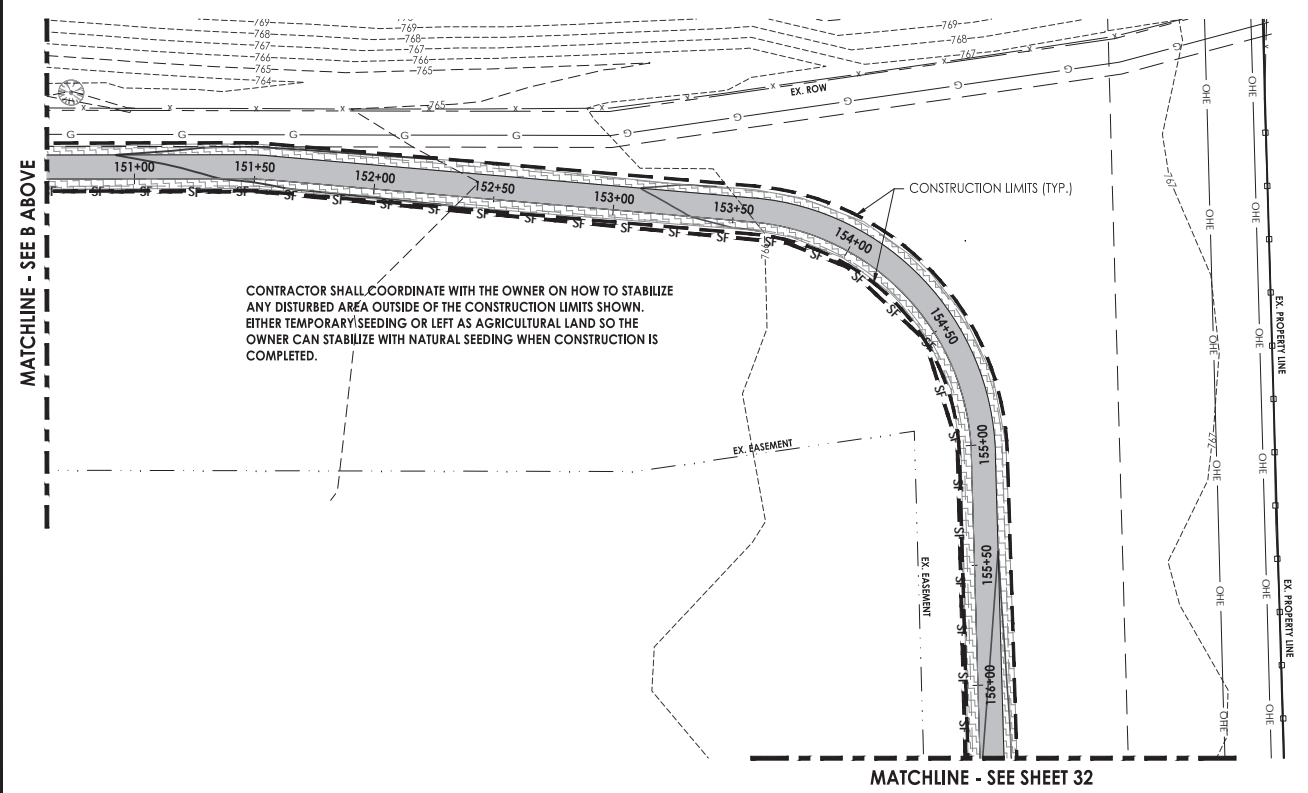
Date	Revision	By

South Piscasaw Creek Connection Stormwater Pollution Prevention Plan		Sheet 30 of 54
CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	



Contours

Existing	Minor	---
	Major	---
Final grading	Minor	---
	Major	---



SEEDING WITHIN 10' OF ROADWAY PAVEMENT SHALL BE SEEDING, CLASS 1A

ANY DISTURBED LAND OUTSIDE OF THE CONSTRUCTION LIMITS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN WILL BE RESTORED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.

FERTILIZER SHALL BE PLACED PER SECTION 250 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

WASHOUT BASIN FOR CONCRETE TRUCKS SHALL BE USED AS REQUIRED AND SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LUMP SUM FOR WASHOUT BASIN.

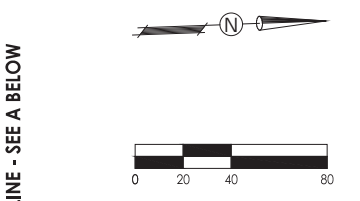
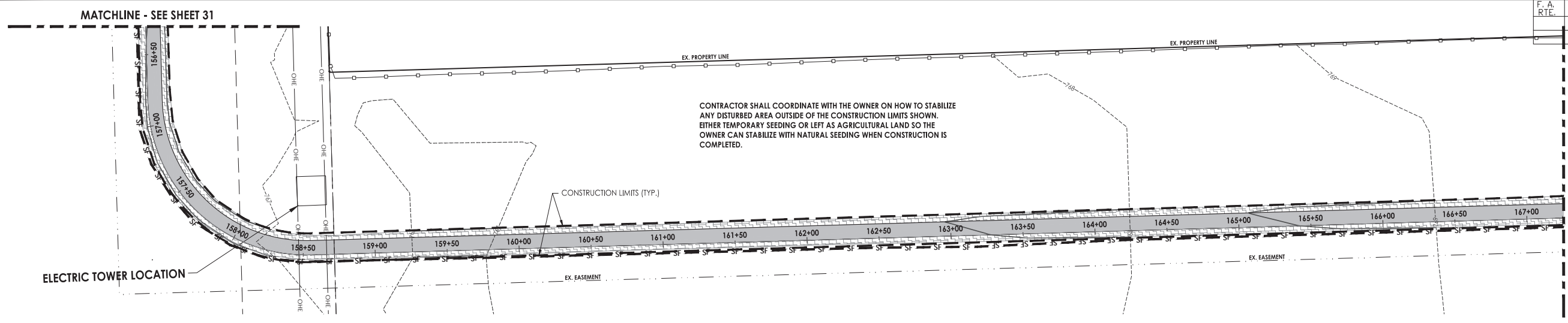
CLAY STOCKPILE (#1250 C.Y.) & SOME PARTS OF CONCRETE STOCKPILES (#800 C.Y.) AT THE NORTHEAST CORNER OF POPLAR GROVE ROAD AND LAWRENCEVILLE ROAD MAY BE UTILIZED FOR FILL BY THE CONTRACTOR. CONTRACTOR TO COORDINATE WITH BOONE COUNTY CONSERVATION DISTRICT.

LEGEND	
	INLET PROTECTION (VARIES BY INLET TYPE)
	STONE RIPRAP, CLASS A3, 10 S.Y.
	PERIMETER EROSION BARRIER
	TOPSOIL PLACEMENT, 4" MIN. SEEDING CLASS 1 & EROSION CONTROL BLANKET
	STABILIZED CONSTRUCTION ENTRANCE
	TOPSOIL PLACEMENT, 4" MIN. SEEDING CLASS 1 SEEDING & MULCH METHOD 2
	CONSTRUCTION LIMITS
	PROPOSED SPOT ELEVATION
	MATCH EXISTING

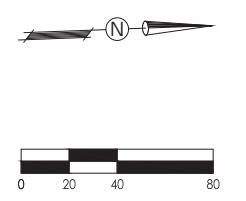
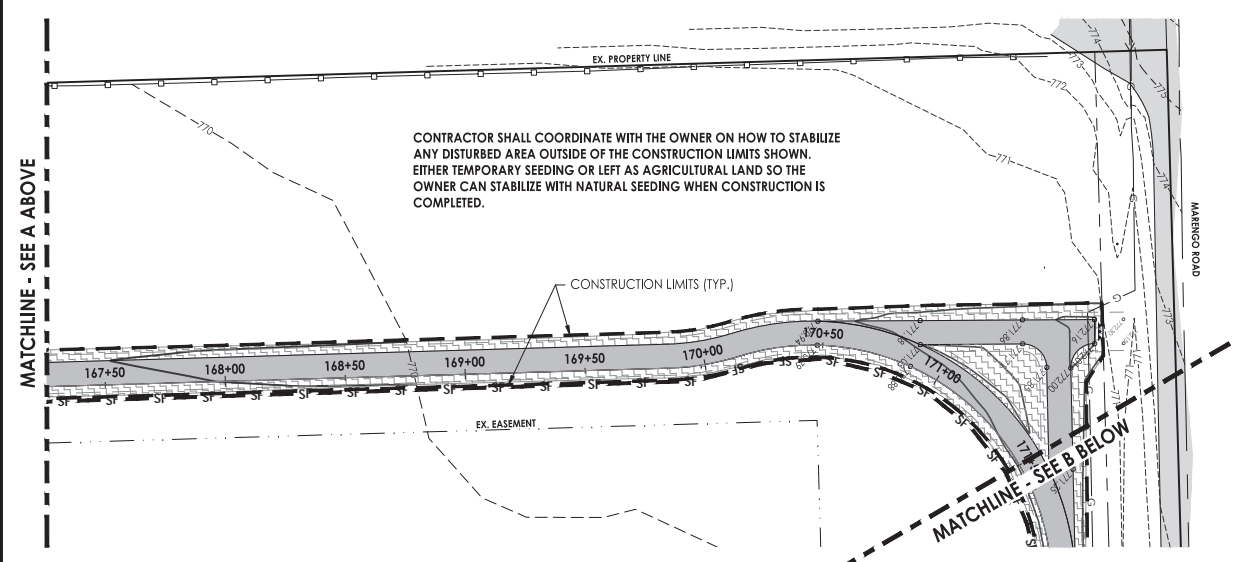
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Date	Revision	By
South Piscasaw Creek Connection Stormwater Pollution Prevention Plan		
CHECKED BY: KCB	DRAWN BY: RKW	Sheet 31 of 54
DATE: XX/XX/20	DATE: XX/XX/20	

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CONTRACTOR SHALL COORDINATE WITH THE OWNER ON HOW TO STABILIZE ANY DISTURBED AREA OUTSIDE OF THE CONSTRUCTION LIMITS SHOWN. EITHER TEMPORARY SEEDING OR LEFT AS AGRICULTURAL LAND SO THE OWNER CAN STABILIZE WITH NATURAL SEEDING WHEN CONSTRUCTION IS COMPLETED.



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SEEDING WITHIN 10' OF ROADWAY PAVEMENT SHALL BE SEEDING, CLASS 1A
 ANY DISTURBED LAND OUTSIDE OF THE CONSTRUCTION LIMITS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN WILL BE RESTORED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.

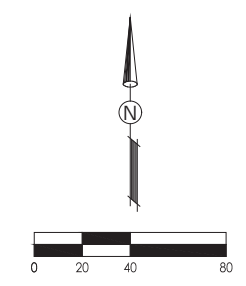
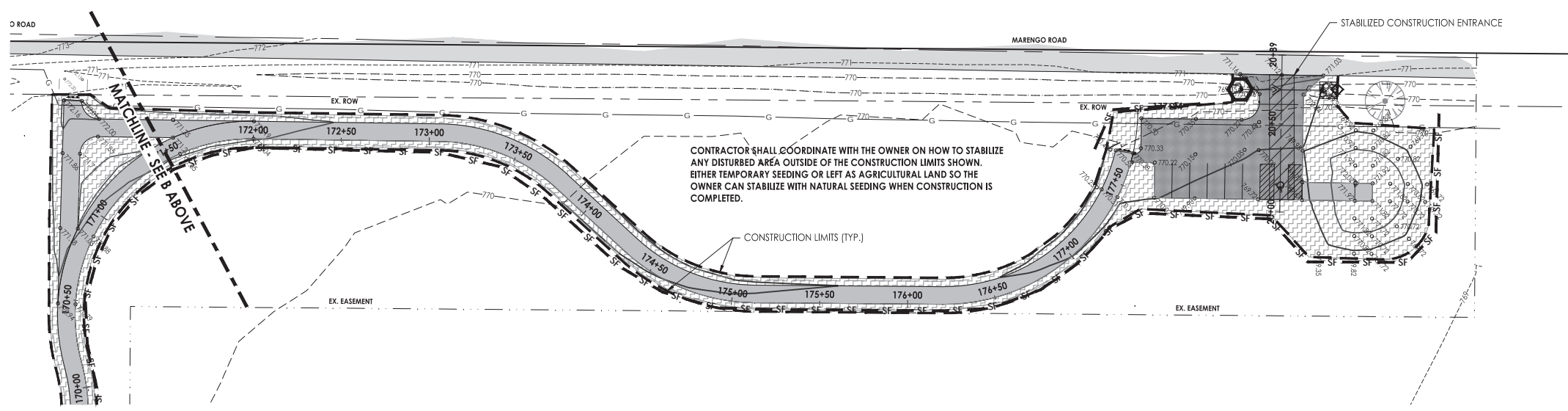
FERTILIZER SHALL BE PLACED PER SECTION 250 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

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Contours

Existing	Minor	-----
	Major	-----
Final grading	Minor	-----
	Major	-----



CONTRACTOR SHALL COORDINATE WITH THE OWNER ON HOW TO STABILIZE ANY DISTURBED AREA OUTSIDE OF THE CONSTRUCTION LIMITS SHOWN. EITHER TEMPORARY SEEDING OR LEFT AS AGRICULTURAL LAND SO THE OWNER CAN STABILIZE WITH NATURAL SEEDING WHEN CONSTRUCTION IS COMPLETED.

LEGEND	
	INLET PROTECTION (VARIES BY INLET TYPE)
	STONE RIPRAP, CLASS A3, 10 S.Y.
	PERIMETER EROSION BARRIER
	TOPSOIL PLACEMENT, 4" MIN. SEEDING CLASS 1 & EROSION CONTROL BLANKET
	STABILIZED CONSTRUCTION ENTRANCE
	TOPSOIL PLACEMENT, 4" MIN. SEEDING CLASS 1 SEEDING & MULCH METHOD 2
	CONSTRUCTION LIMITS
	PROPOSED SPOT ELEVATION
	MATCH EXISTING

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Date	Revision	By

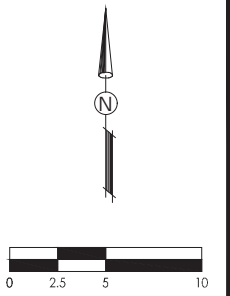


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 ILLINOIS DESIGN FIRM NO. 184-001260

South Piscasaw Creek Connection
 Stormwater Pollution Prevention Plan

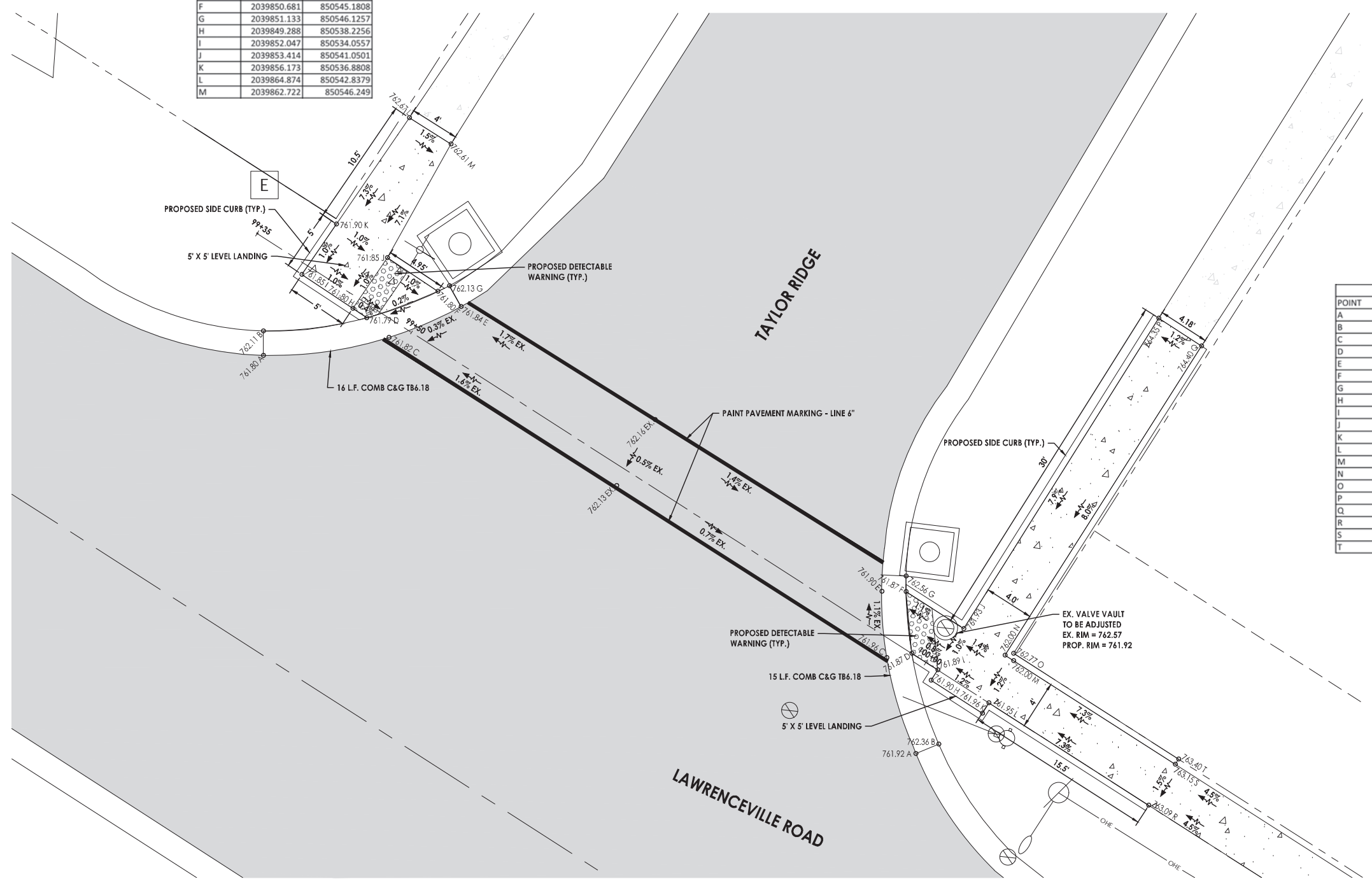
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DATE: 2/7/2022	DATE: 2/7/2022	

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TAYLOR RIDGE WEST		
POINT	NORTHING	EASTING
A	2039845.433	850530.9017
B	2039847.431	850530.9133
C	2039846.904	850541.1844
D	2039848.503	850539.3607
E	2039849.421	850547.0696
F	2039850.681	850545.1808
G	2039851.133	850546.1257
H	2039849.288	850538.2256
I	2039852.047	850534.0557
J	2039853.414	850541.0501
K	2039856.173	850536.8808
L	2039864.874	850542.8379
M	2039862.722	850546.249

TAYLOR RIDGE EAST		
POINT	NORTHING	EASTING
A	2039812.867	850584.269
B	2039813.63	850586.1431
C	2039820.722	850581.9094
D	2039821.061	850583.9531
E	2039826.139	850581.4884
F	2039826.121	850583.4732
G	2039827.389	850583.4738
H	2039818.857	850585.537
I	2039819.702	850586.0716
J	2039823.083	850588.2101
K	2039816.175	850589.7194
L	2039817.017	850590.2593
M	2039820.475	850592.2758
N	2039820.923	850591.577
O	2039821.074	850592.2678
P	2039848.474	850604.1589
Q	2039846.192	850607.6558
R	2039808.631	850603.333
S	2039811.998	850605.4925
T	2039812.419	850605.7624



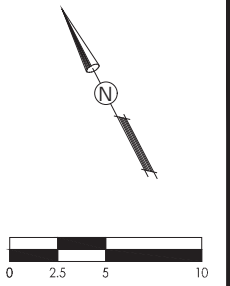
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Date	Revision	By

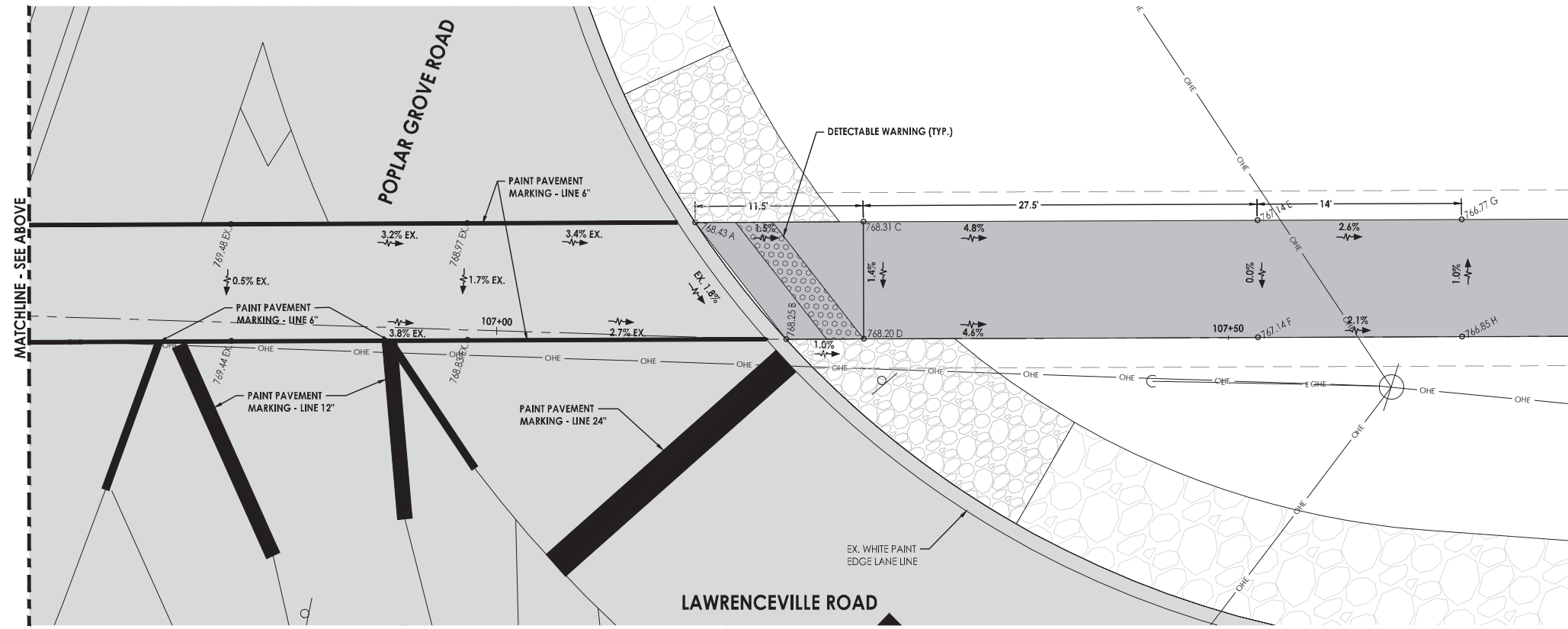
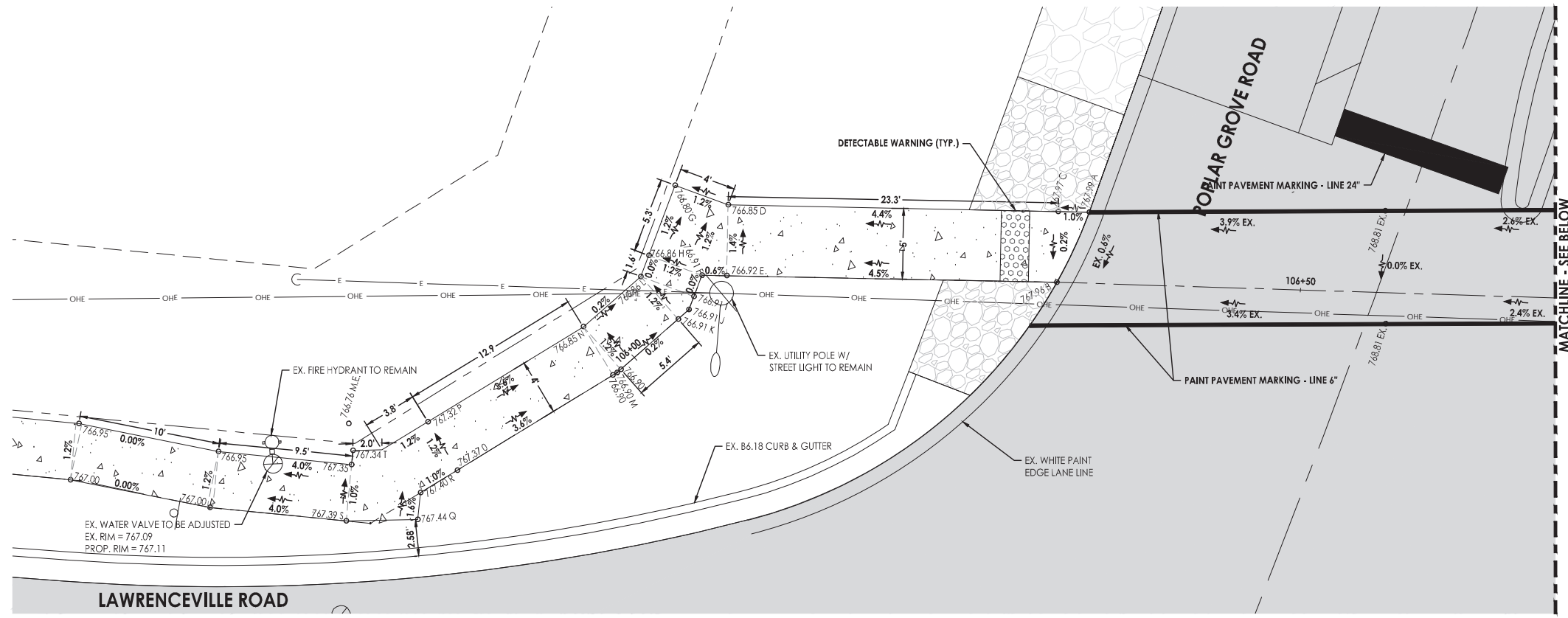
South Piscasaw Creek Connection
ADA Grading Detail Plans
Taylor Ridge

CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	Sheet 33 of 54
PROJECT: BOONE COUNTY CHINA WASTE RICH SPRING CONNECTION		

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POPLAR GROVE ROAD WEST		
POINT	NORTHING	EASTING
A	2039503.931	851126.2244
B	2039500.561	851121.9302
C	2039504.966	851124.2942
D	2039515.988	851103.7518
E	2039511.583	851101.3879
F	2039512.413	851099.8396
G	2039518.937	851101.0541
H	2039515.359	851097.1443
I	2039511.34	851098.6647
J	2039510.659	851097.9194
K	2039510.413	851096.9402
L	2039514.292	851095.9664
M	2039509.019	851091.3891
N	2039512.979	851090.7328
O	2039508.015	851078.2138
P	2039512.003	851077.9097
Q	2039506.199	851074.1181
R	2039507.782	851075.1697
S	2039508.403	851069.5792
T	2039512.611	851072.2786



POPLAR GROVE ROAD WEST		
POINT	NORTHING	EASTING
A	2039468.487	851196.2029
B	2039458.557	851198.1004
C	2039463.296	851206.4483
D	2039456.16	851202.8324
E	2039451.129	851230.461
F	2039443.992	851226.8451
G	2039444.822	851242.9079
H	2039437.686	851239.292

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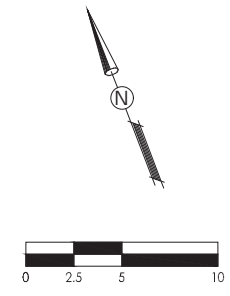
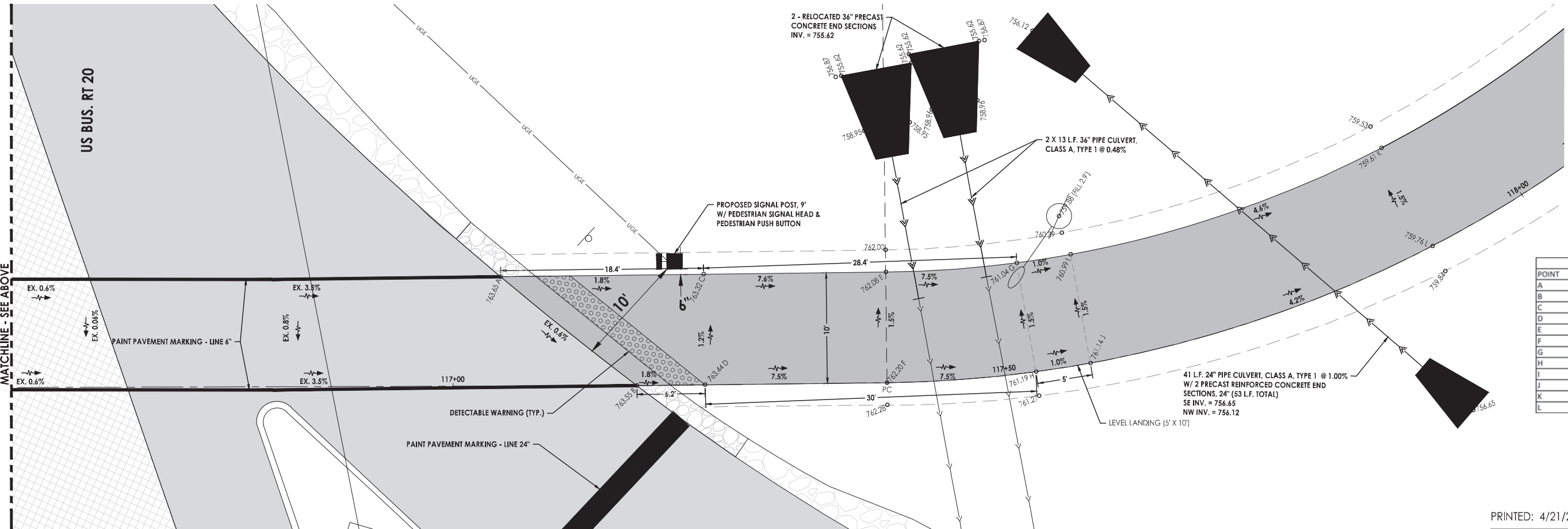
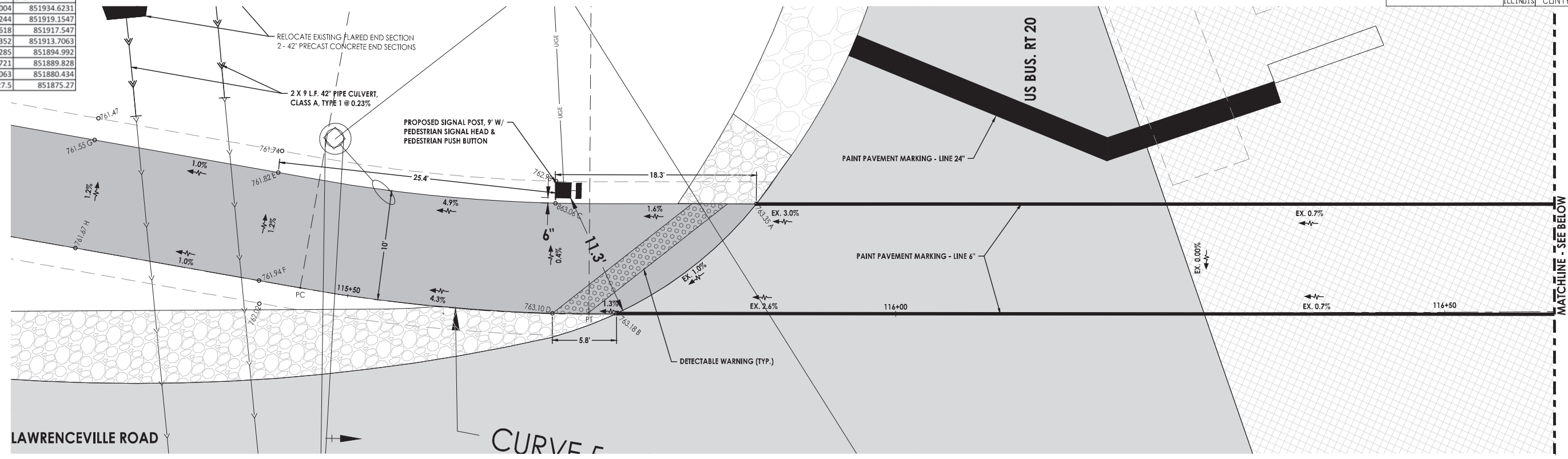
Date	Revision	By

South Piscasaw Creek Connection
ADA Grading Detail Plans
Poplar Grove Road

CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	Sheet 34 of 54
PROJECT: BOONE COUNTY CHRYSLER RAMP SPCC FROM CORREIF PROJECT: 1888 SAYS, ILL.		

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US BUS RT. 20 WEST		
POINT	NORTHING	EASTING
A	2039009.004	851934.6231
B	2039004.244	851919.1547
C	2039015.618	851917.547
D	2039006.352	851913.7063
E	2039027.285	851894.992
F	2039018.721	851889.828
G	2039036.063	851880.434
H	2039027.5	851875.27



US BUS RT. 20 WEST		
POINT	NORTHING	EASTING
A	2038967.198	852043.9088
B	2038953.574	852051.8896
C	2038960.806	852061.1485
D	2038951.43	852057.6719
E	2038955.077	852076.6001
F	2038945.7	852073.1235
G	2038951.598	852087.964
H	2038941.78	852086.0639
I	2038950.575	852092.8115
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L	2038939.527	852123.6521

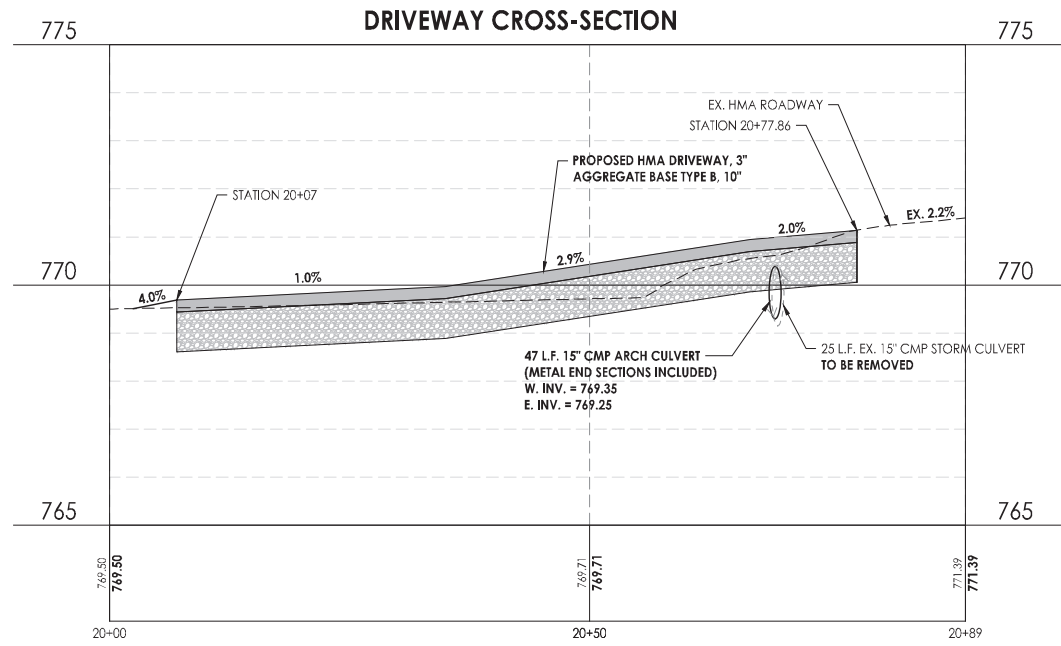
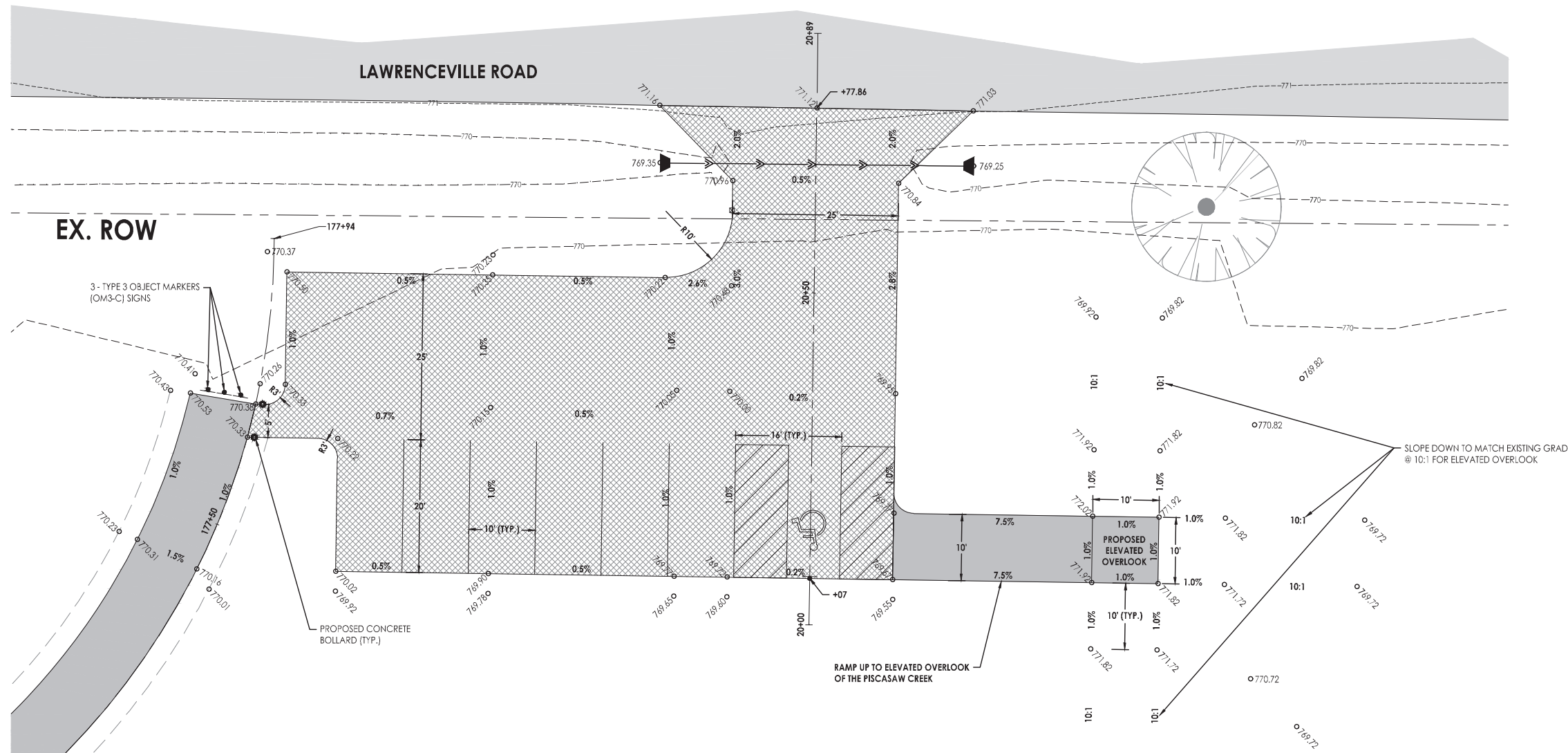
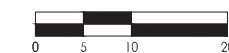
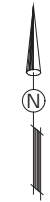


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Date	Revision	By

South Piscasaw Creek Connection
ADA Grading Detail Plans
US Bus. Rt. 20

CHECKED BY: KCB	DRAWN BY: JAB	Sheet 35 of 54
DATE: 2/7/2022	DATE: 2/7/2022	



SCALE:
 1" = 10'-0" Horizontal
 1" = 2'-0" Vertical

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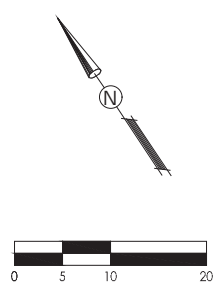
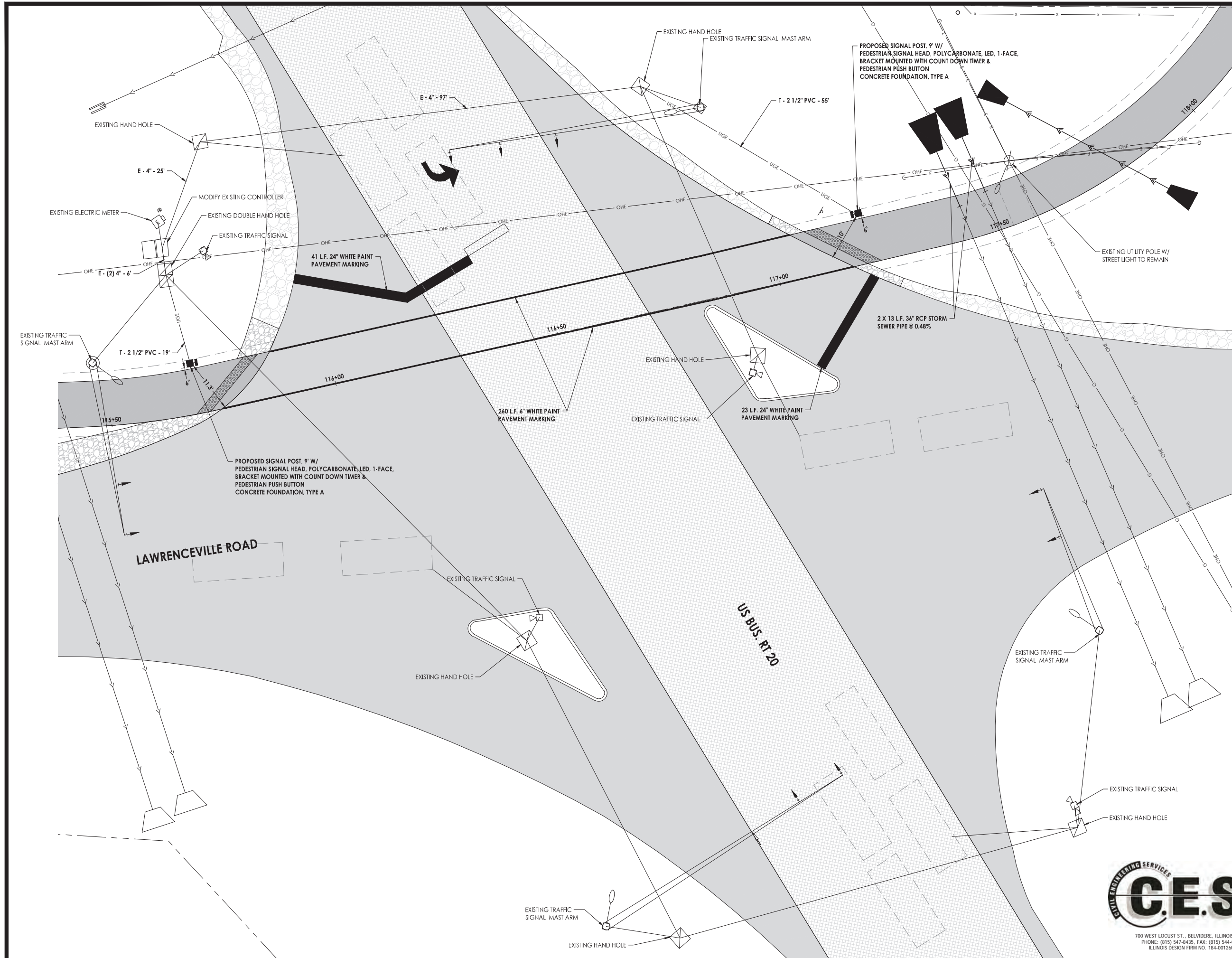
700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

Date	Revision	By

South Piscasaw Creek Connection
 ADA Grading Detail Plans
 Marengo Road Parking lot

CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	Sheet 36 of 54
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- NOTES:**
- SCOTT KULLERSTRAND AT IDOT WILL BE CONTACTED 2 WEEKS PRIOR TO ANY TRAFFIC SIGNAL WORK

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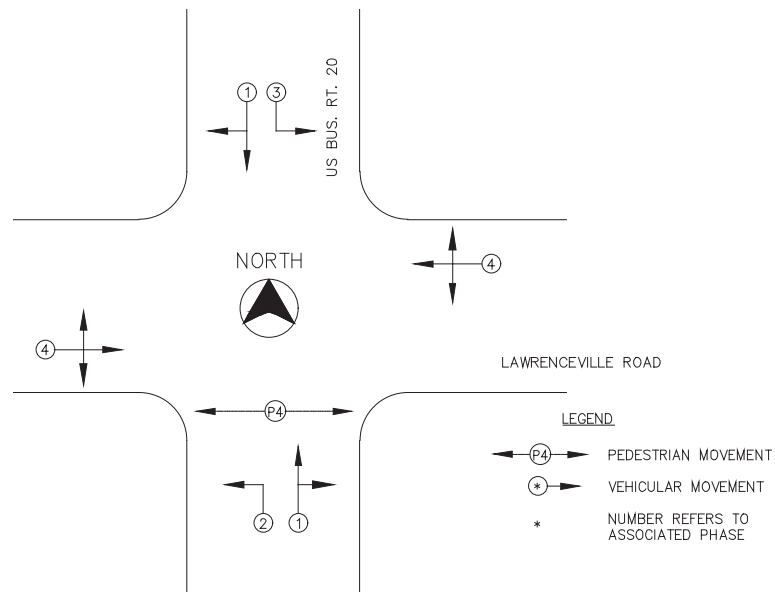


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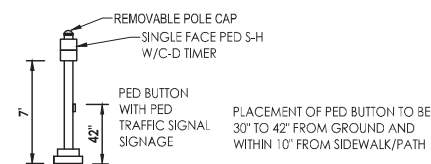
Date	Revision	By

South Piscasaw Creek Connection Traffic Signal Plan US Bus. Rt. 20	
CHECKED BY: KCB DATE: XX/XX/20	DRAWN BY: RKW DATE: XX/XX/20
PROJECT: BOONE COUNTY CH21-1888 RCHD SPCC PAVT CORREIF PROJECT: 1888 SALS.dwg	
Sheet 37 of 54	

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PROPOSED SIGNAL POST W/ PEDESTRIAN SIGNAL HEAD & PEDESTRIAN PUSH BUTTON

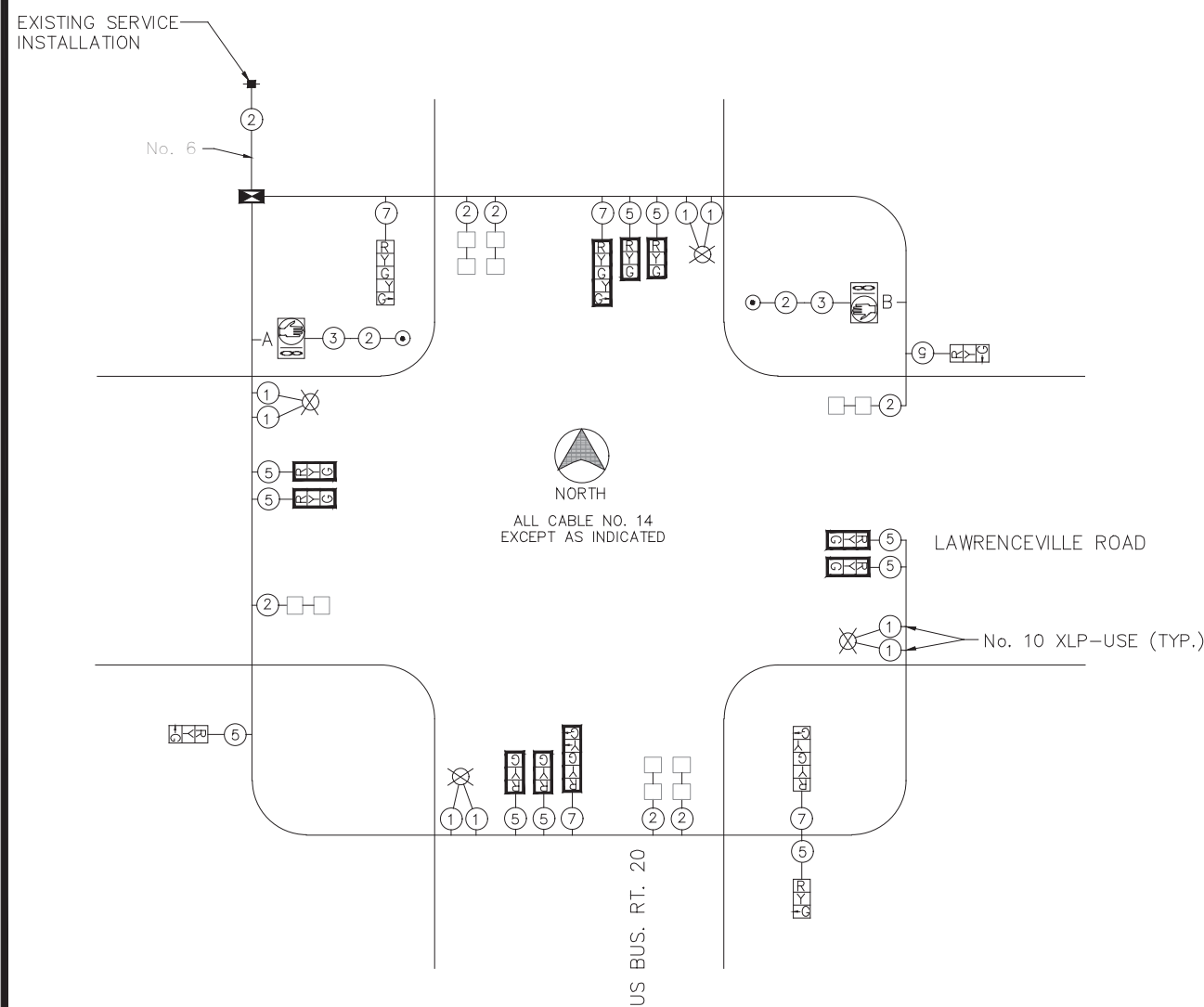


POST HEIGHT: 9 FT

NE & NW CORNERS (NOT TO SCALE)

SUMMARY OF QUANTITIES

SP. ITEM NO.	PAY ITEM	UNIT	QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	1.5
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	74
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	191
87301235	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 4C	FOOT	201
87502430	TRAFFIC SIGNAL POST, GALVANIZED STEEL 9 FT.	EACH	2
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
87900200	DRILL EXISTING HANDHOLE	EACH	2
88102825	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER	EACH	2
88800100	PEDESTRIAN PUSH-BUTTON	EACH	2
89502200	MODIFY EXISTING CONTROLLER	EACH	1



CABLE PLAN LEGEND

- EXISTING SERVICE INSTALLATION
- ⊗ EXISTING CABLE WITH NO. OF CONDUCTORS
- ⊖ EXISTING SIGNAL HEAD WITH BACKPLATE
- ⊖ EXISTING SIGNAL HEAD WITHOUT BACKPLATE
- ⊖ PROPOSED PEDESTRIAN SIGNAL HEAD
- ⊙ PROPOSED PEDESTRIAN PUSH-BUTTON
- ⊖ EXISTING CONTROLLER CABINET
- ⊗ EXISTING LUMINAIRE
- EXISTING DETECTOR LOOP

PUSH-BUTTON NOTE:
BUTTONS "A" AND "B" CALL PHASE 4

GENERAL NOTES

- ALL SIGNING, STRIPING, TRAFFIC SIGNALS, AND TRAFFIC CONTROL DEVICES DURING CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) CURRENT EDITION.
- ALL NEW CONSTRUCTION SHALL CONFORM TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, AND THE SPECIFICATIONS OF BOONE COUNTY.
- MATERIAL TYPES SHALL BE AS FOLLOWS: SIGNAL POLES SHALL BE GALVANIZED STEEL, SIGNAL HEADS SHALL BE POLYCARBONATE, BRACKET MOUNTED OR MAST ARM MOUNTED.
- EACH PEDESTRIAN PUSH-BUTTON SHALL BE MOUNTED WITH A "PUSH BUTTON FOR WALK SIGNAL" SIGN, M.U.T.C.D. R10-3 (9" X 15").

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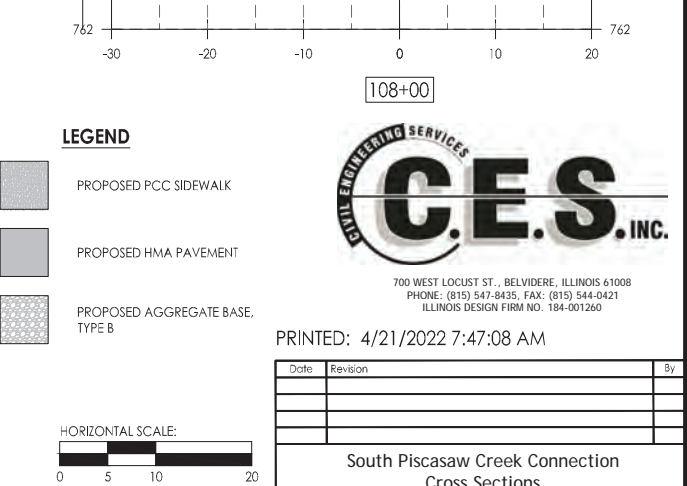
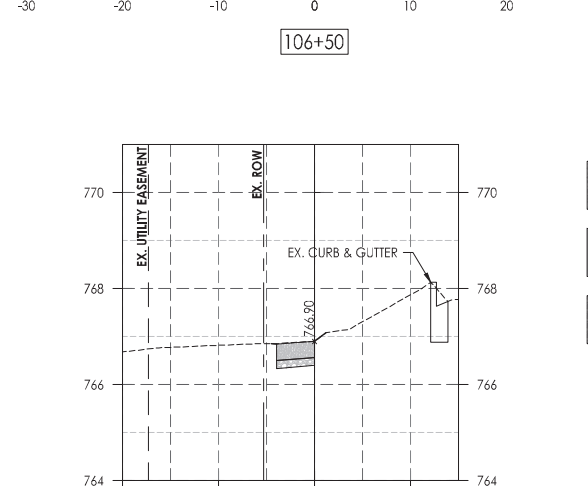
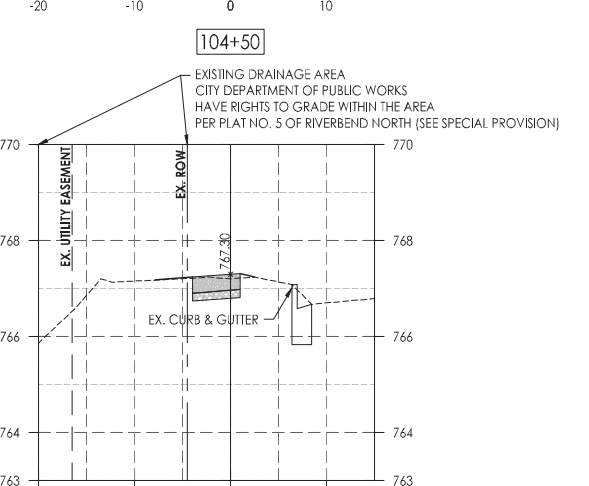
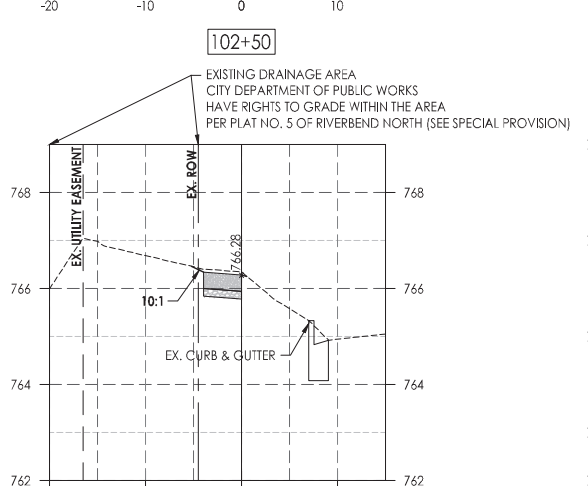
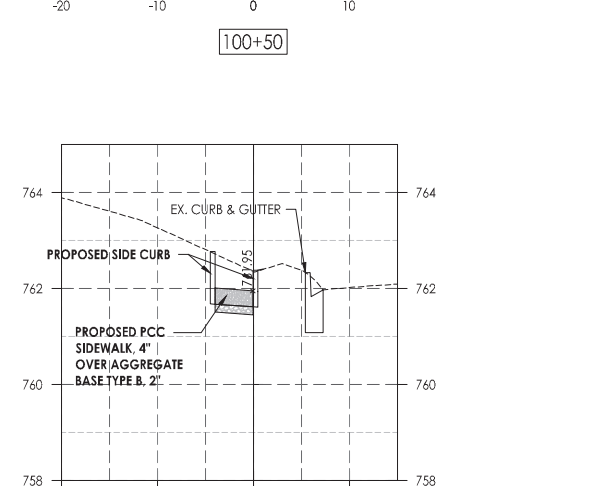
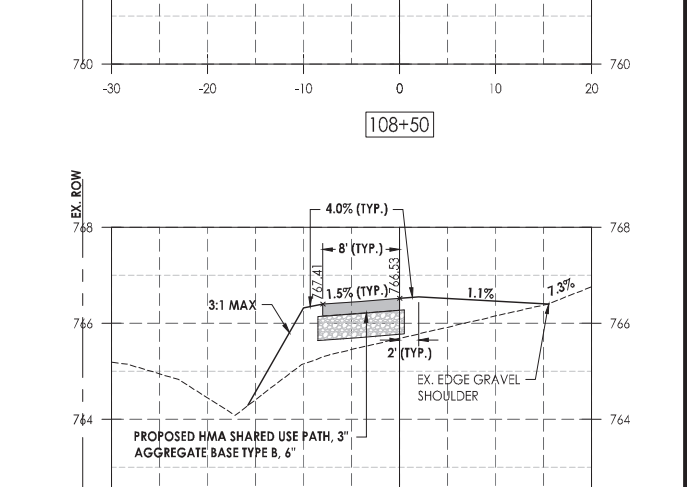
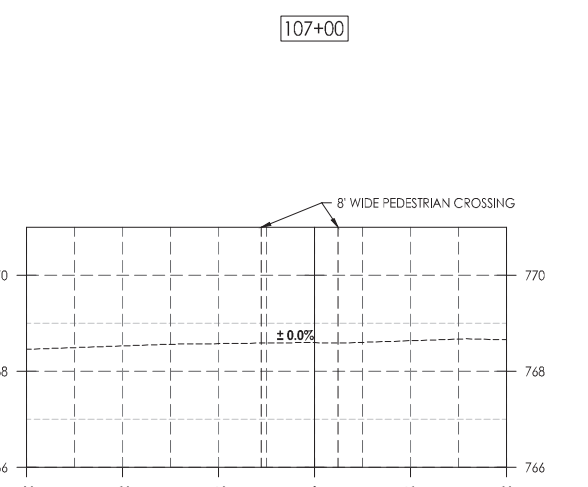
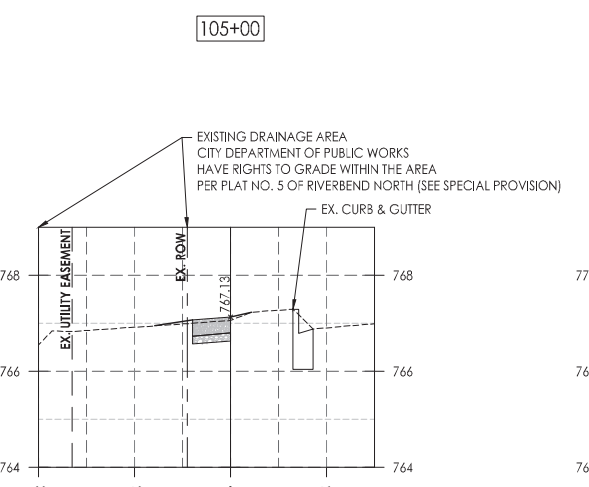
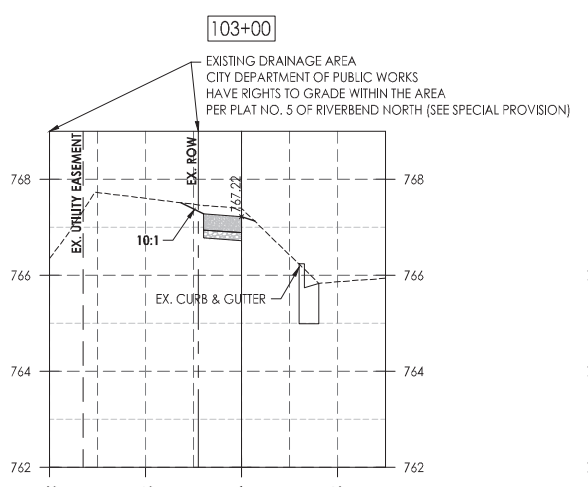
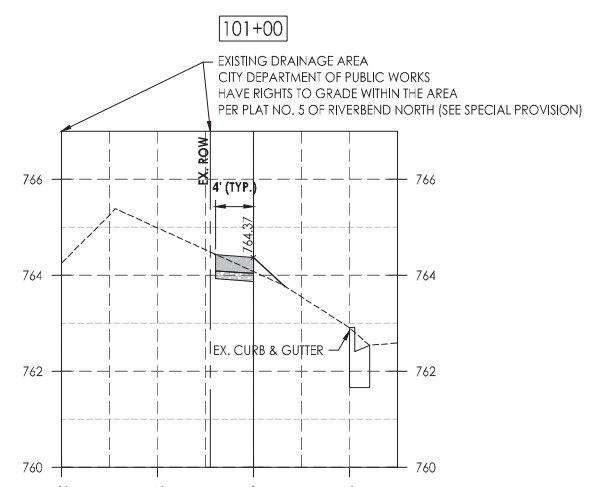
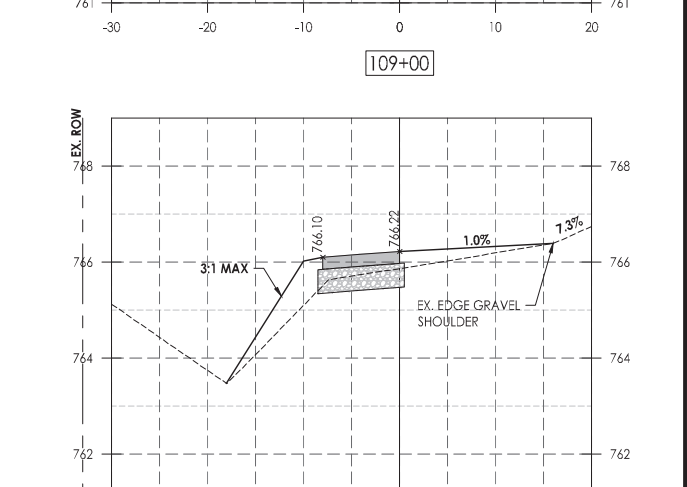
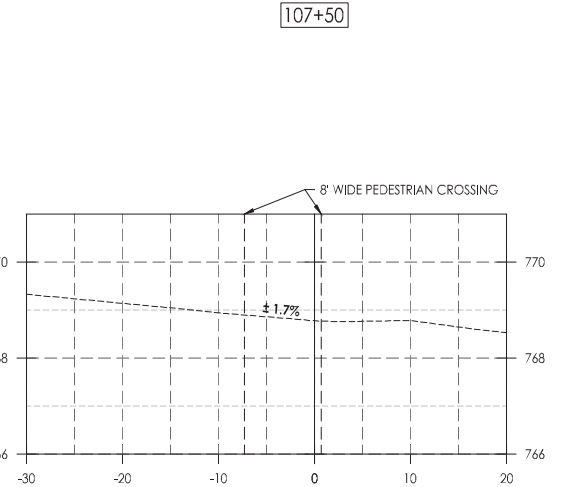
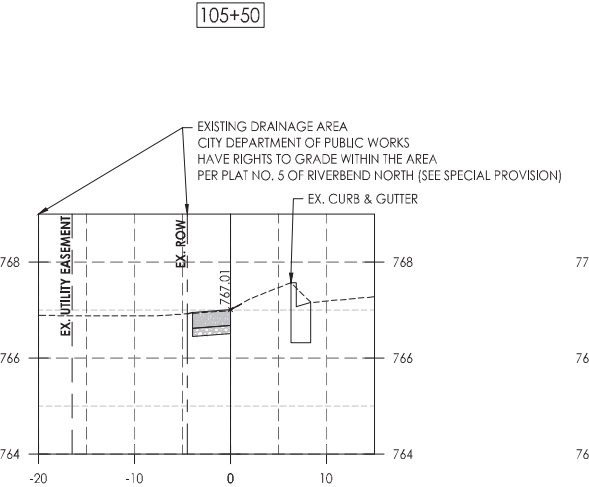
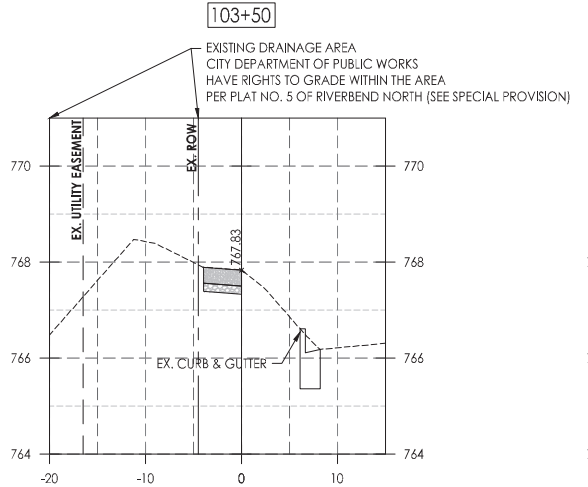
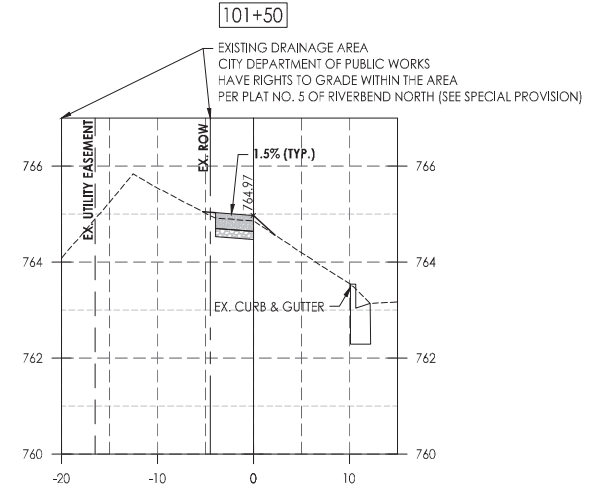
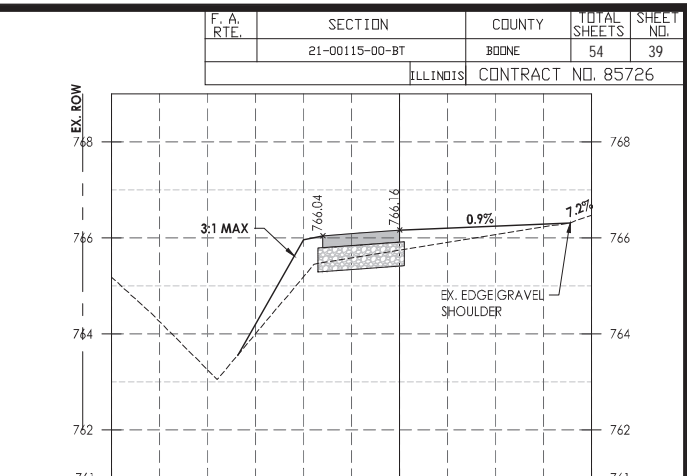
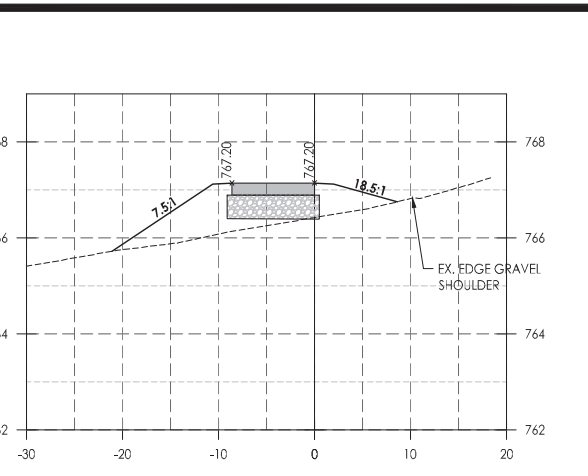
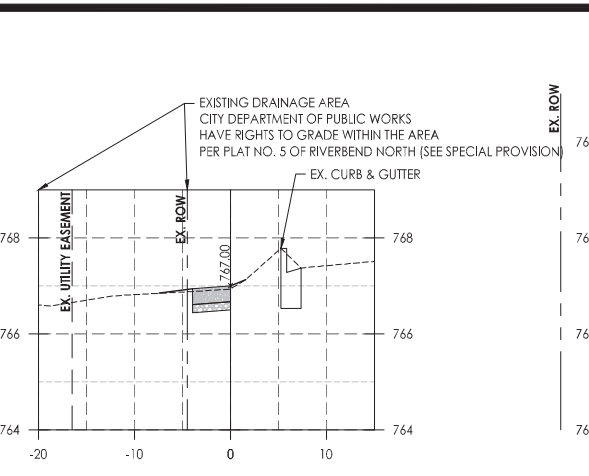
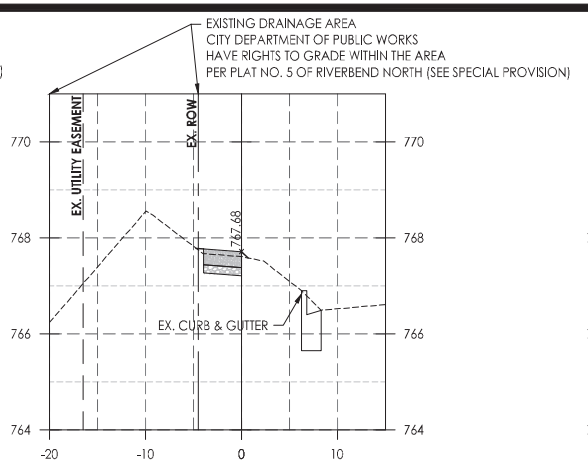
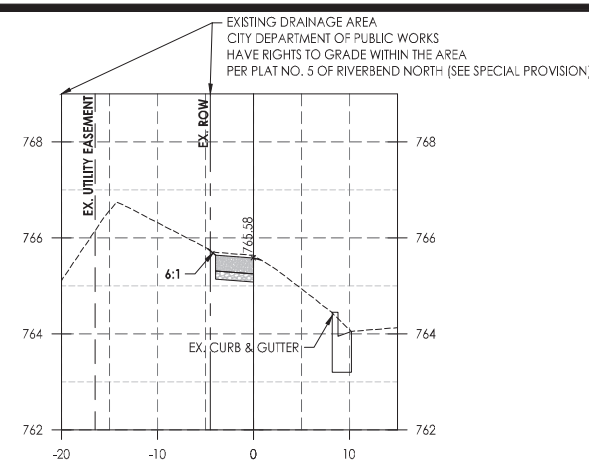
700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
PHONE: (815) 547-8435, FAX: (815) 544-0421
ILLINOIS DESIGN FIRM NO. 184-001260

Date	Revision	By

South Piscasaw Creek Connection
Traffic Signal Details
US Bus. Rt. 20

CHECKED BY: KCB	DRAWN BY: RKW	Sheet 38 of 54
DATE: XX/XX/20	DATE: XX/XX/20	

PROJECT: 1888 SWS.dwg

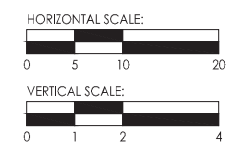


- LEGEND**
- PROPOSED PCC SIDEWALK
 - PROPOSED HMA PAVEMENT
 - PROPOSED AGGREGATE BASE TYPE B



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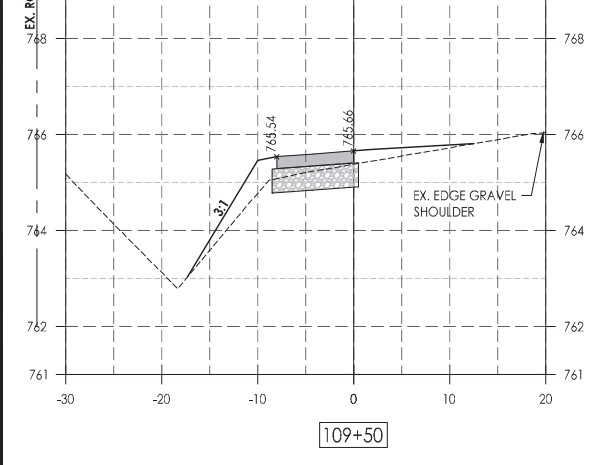
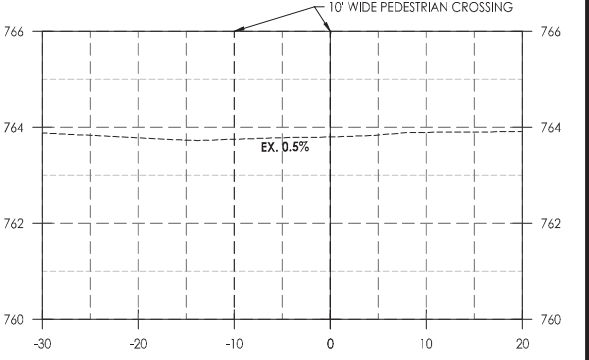
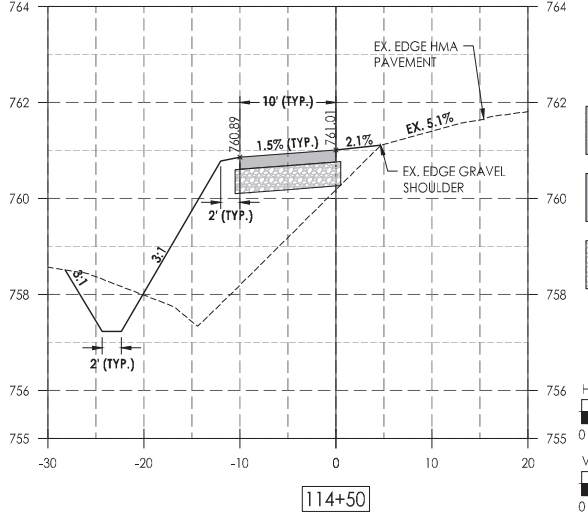
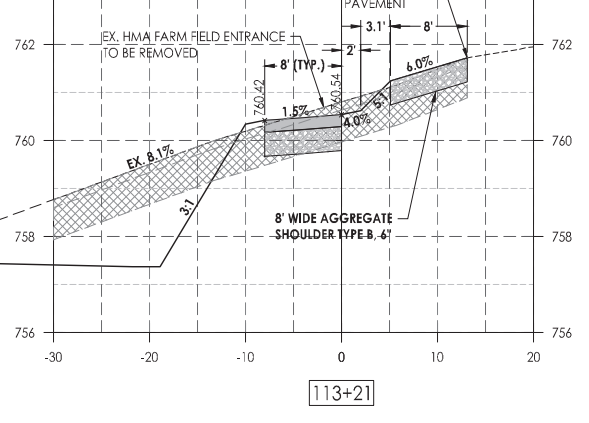
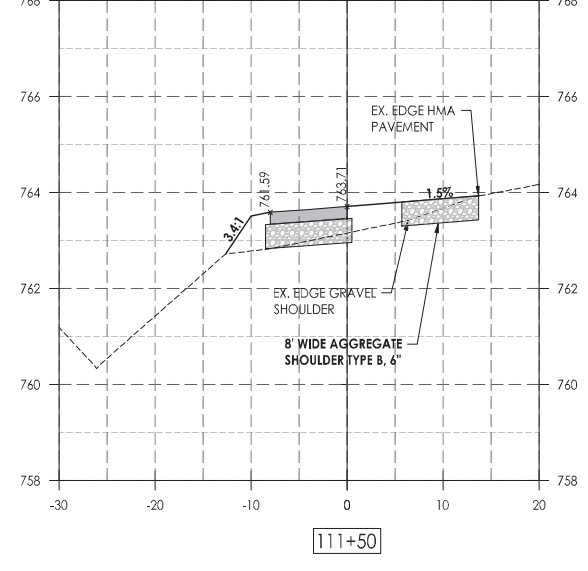
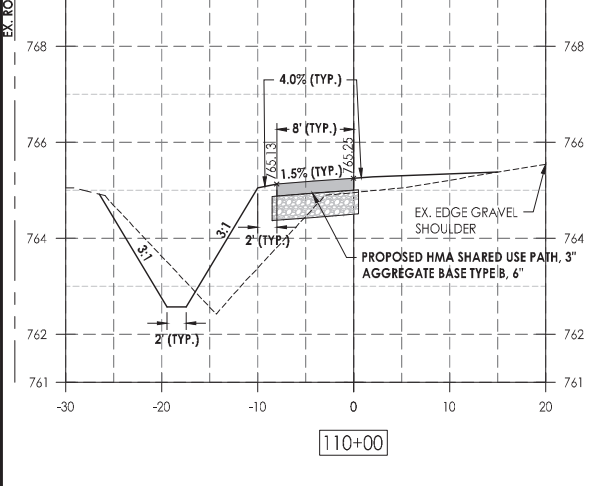
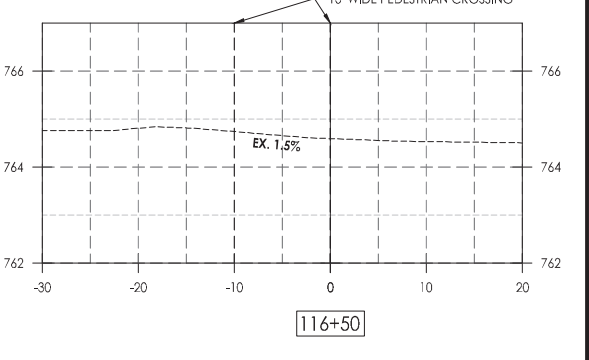
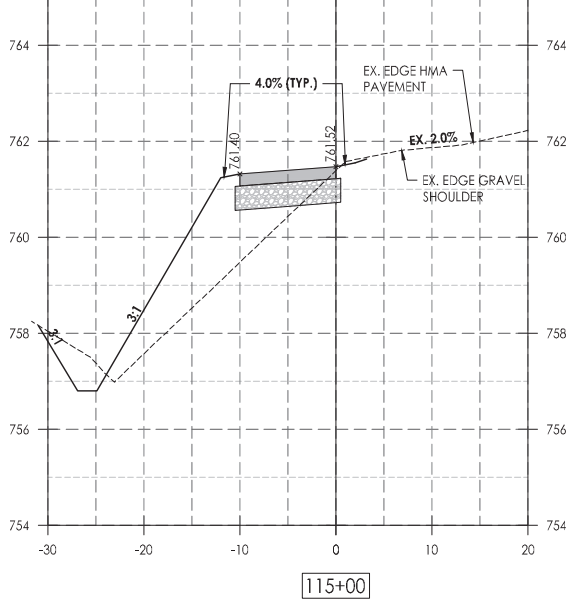
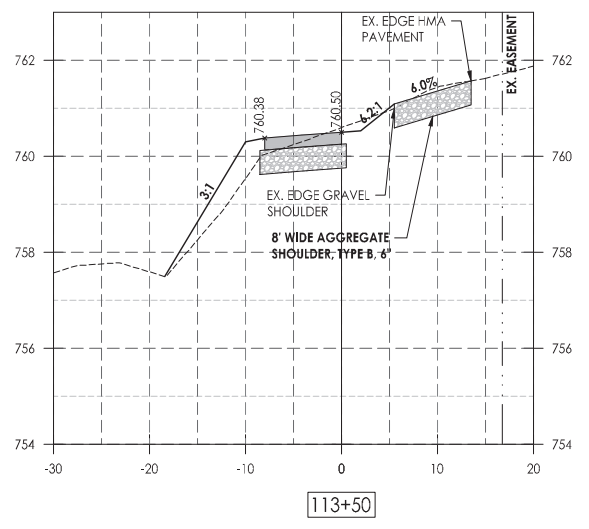
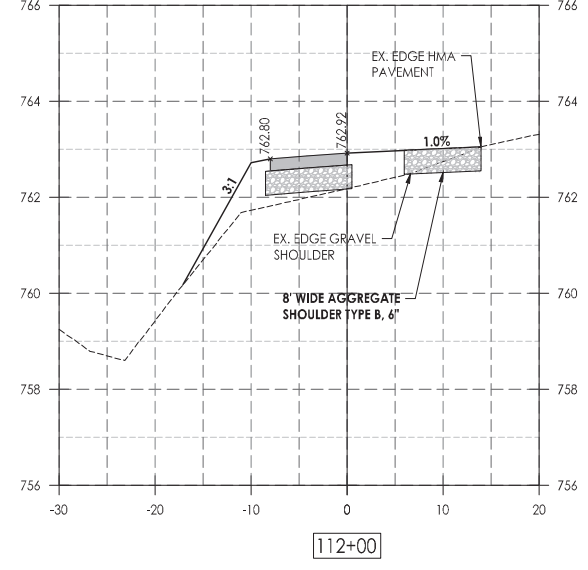
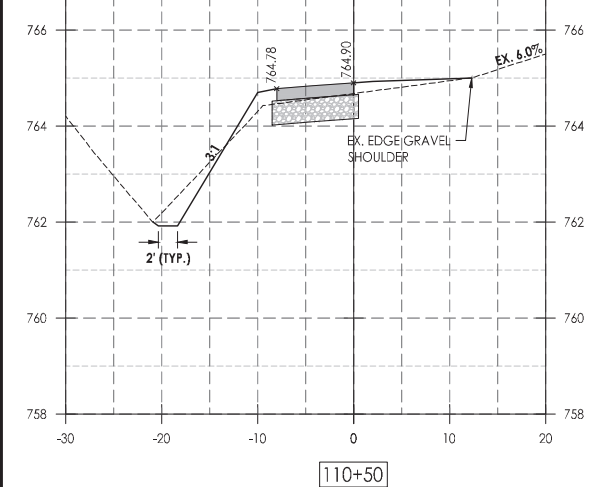
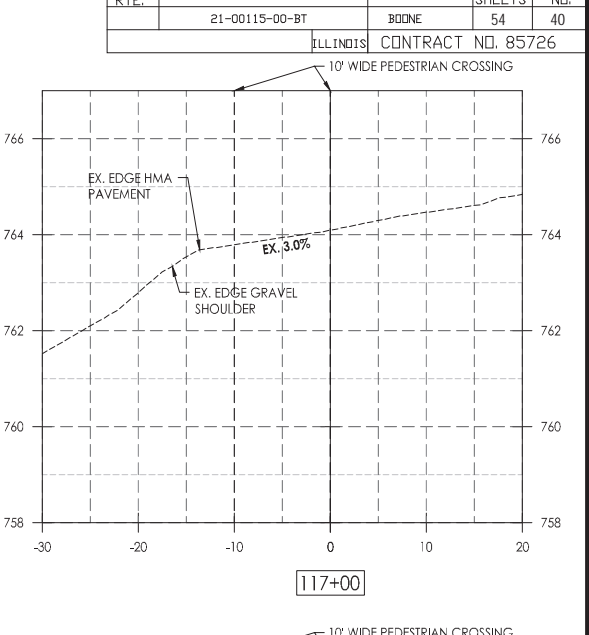
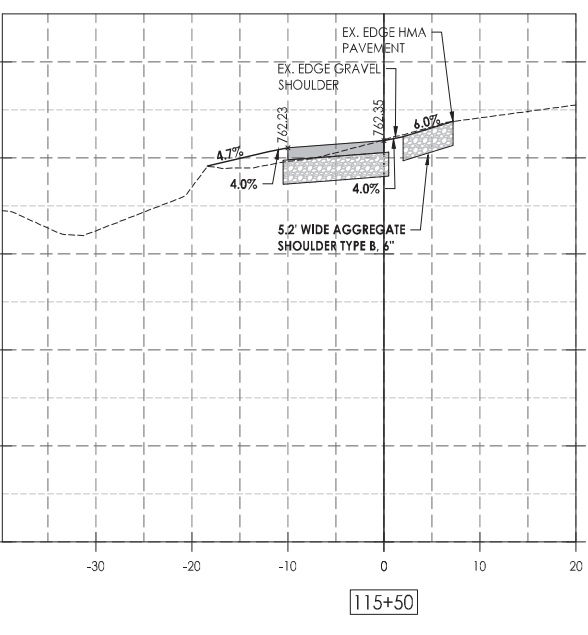
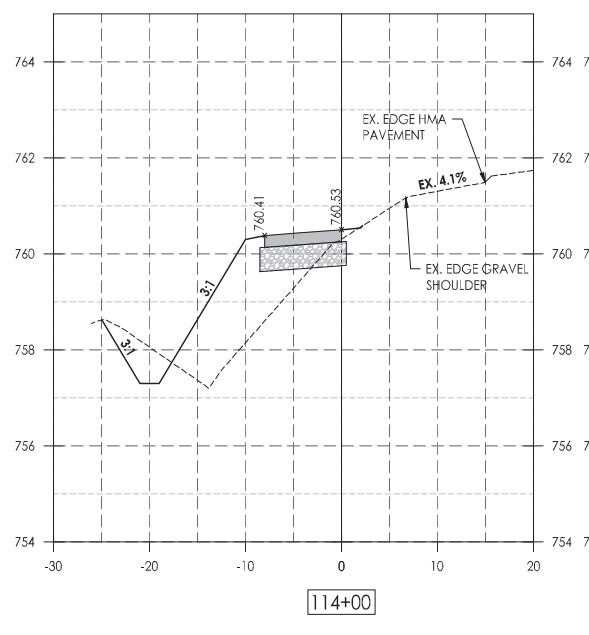
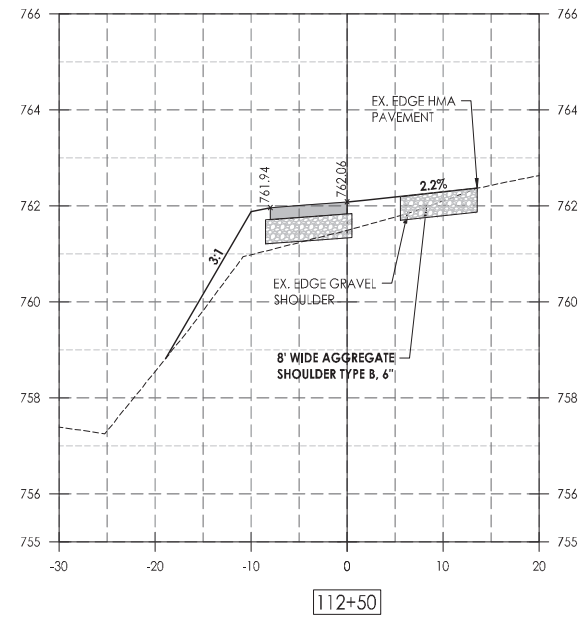
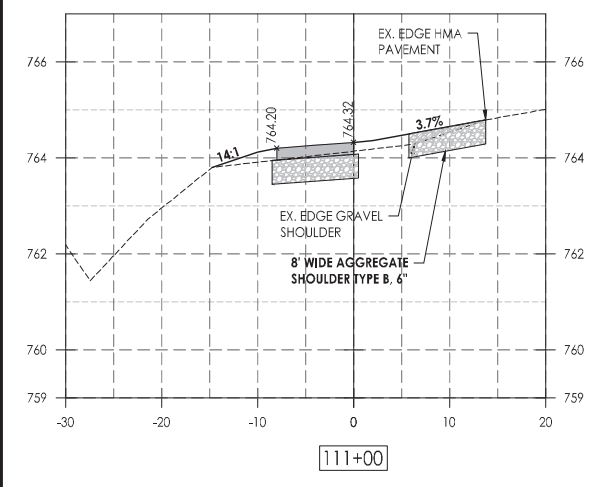
Date	Revision	By



South Piscasaw Creek Connection
Cross Sections
Sta. 100+00 to 109+00

CHECKED BY: KCB DATE: 2/7/2022
DRAWN BY: JAB DATE: 2/7/2022

Sheet 39 of 54



LEGEND

- PROPOSED PCC SIDEWALK
- PROPOSED HMA PAVEMENT
- PROPOSED AGGREGATE BASE TYPE B

C.E.S. INC.
 CENTRAL ENGINEERING SERVICES
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

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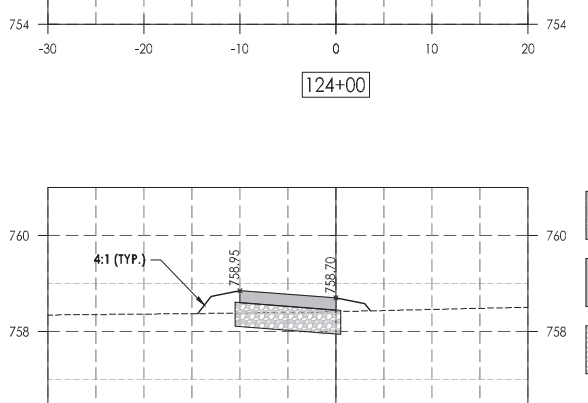
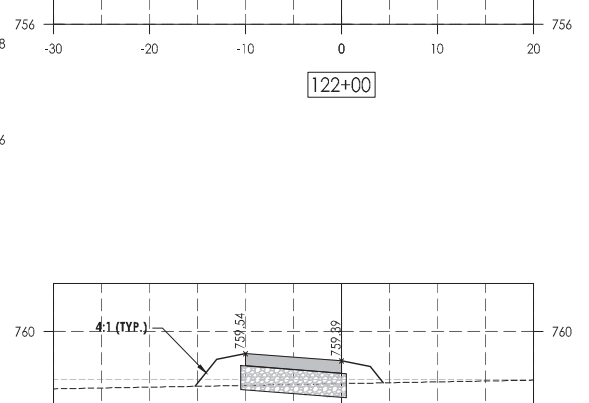
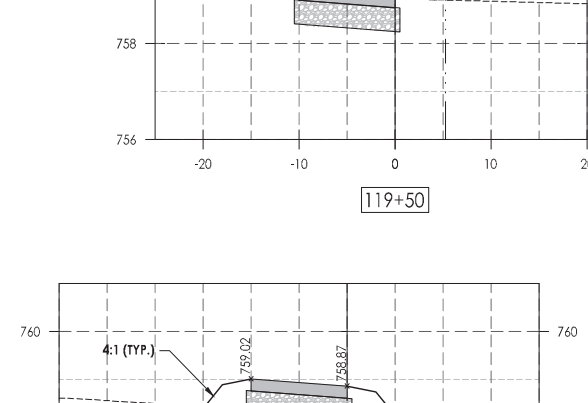
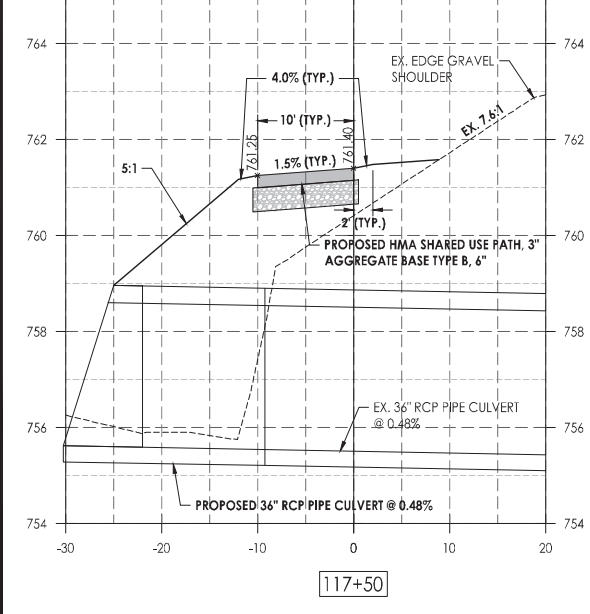
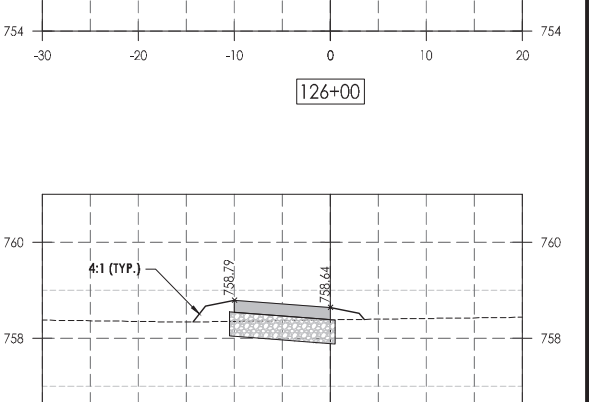
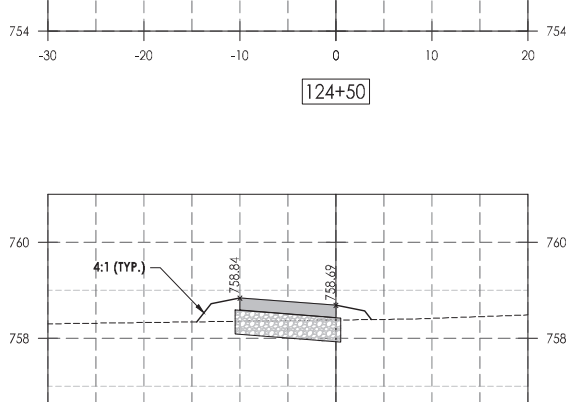
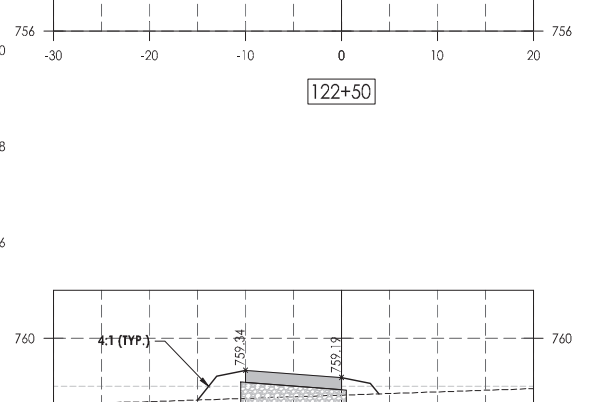
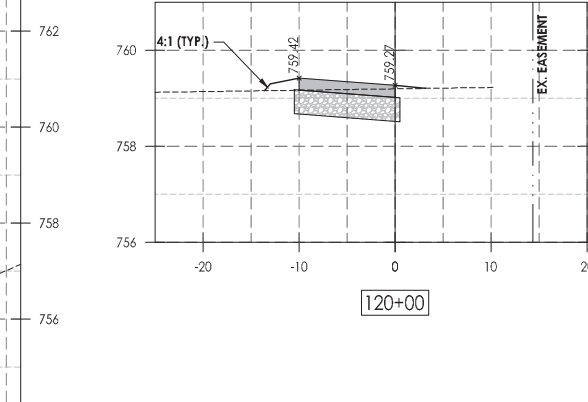
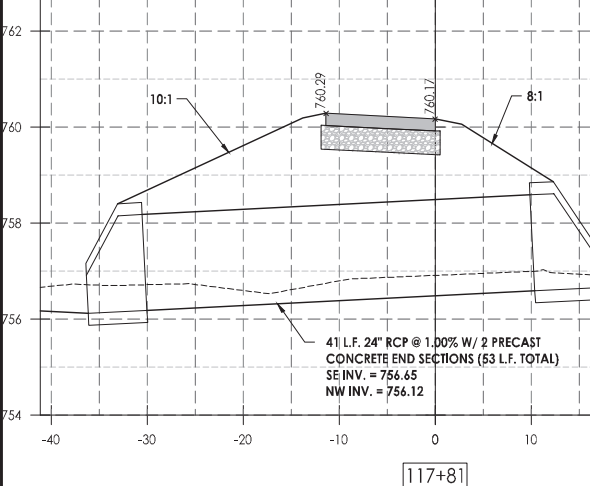
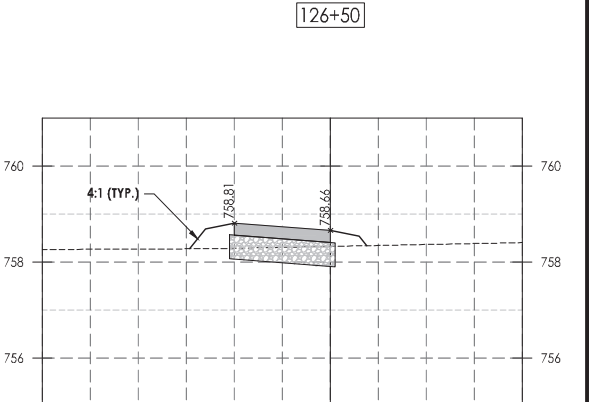
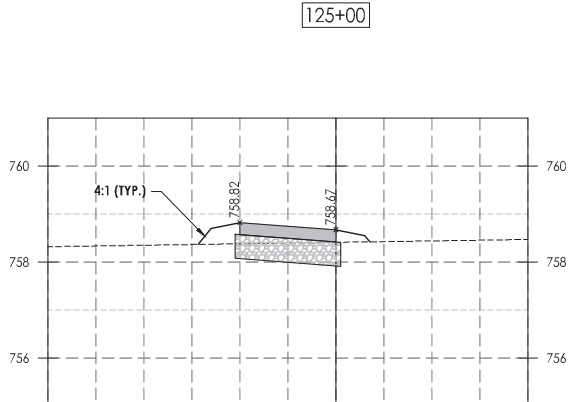
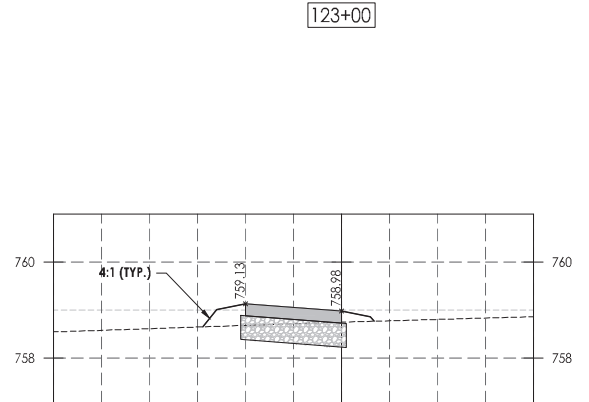
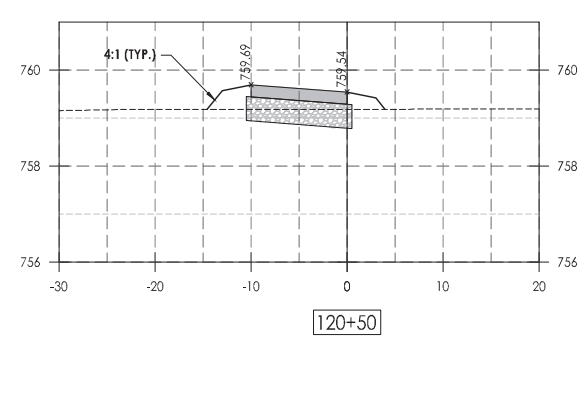
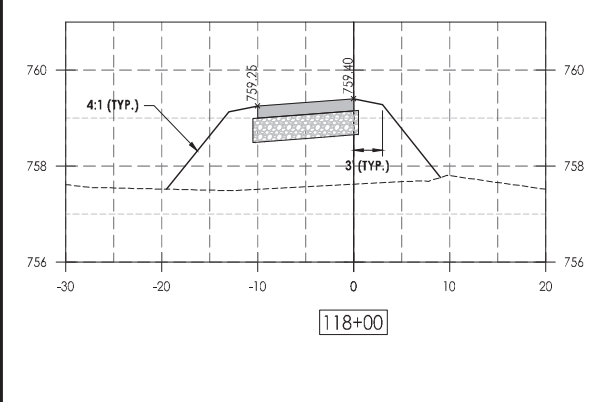
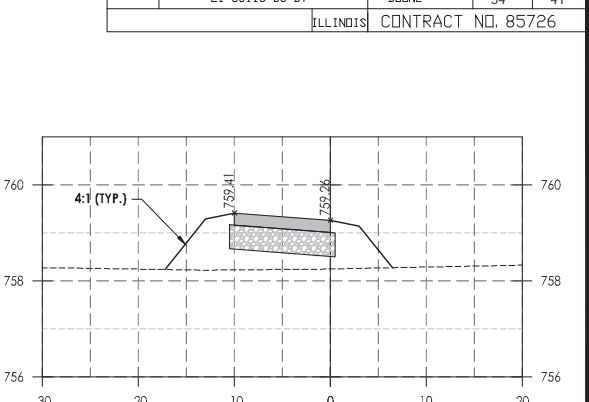
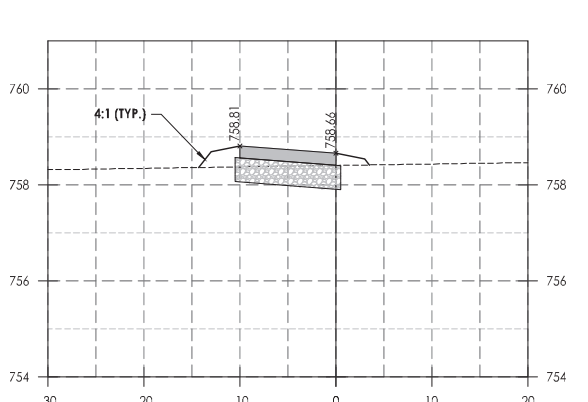
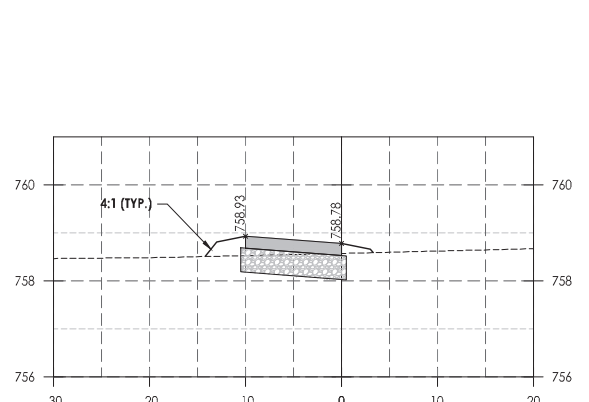
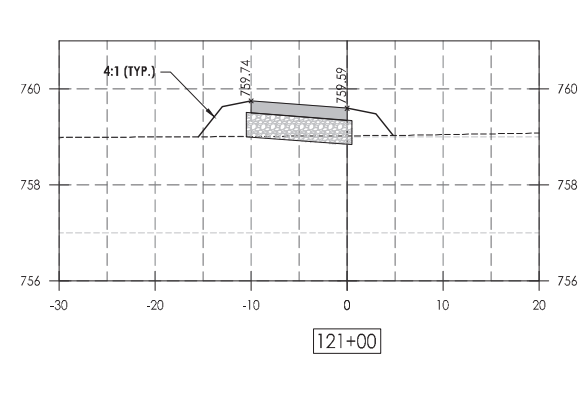
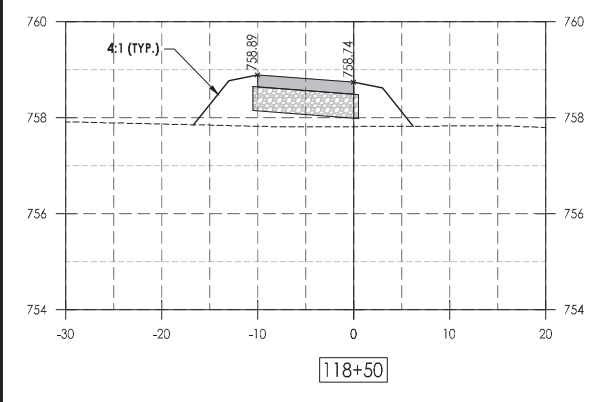
Date	Revision	By

HORIZONTAL SCALE: 0 5 10 20
 VERTICAL SCALE: 0 1 2 4

South Piscasaw Creek Connection
 Cross Sections
 Sta. 109+50 to 117+00

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DATE: 2/7/2022	DATE: 2/7/2022	

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LEGEND

- PROPOSED PCC SIDEWALK
- PROPOSED HMA PAVEMENT
- PROPOSED AGGREGATE BASE, TYPE B

C.E.S. INC.
 CENTRAL ENGINEERING SERVICES
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

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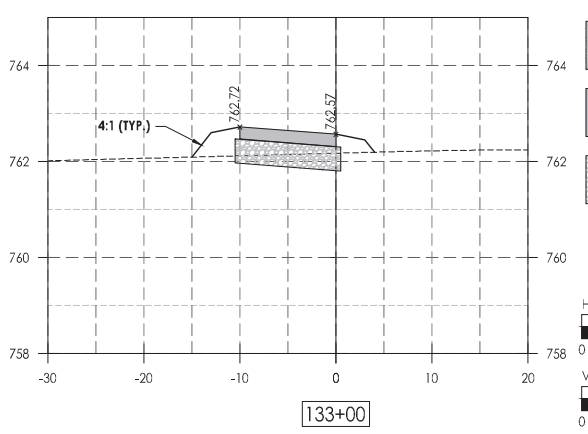
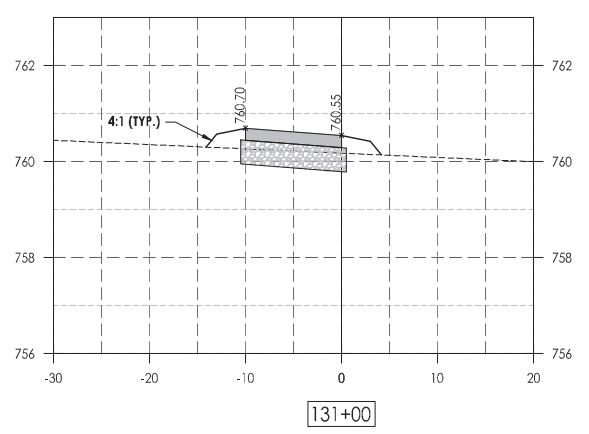
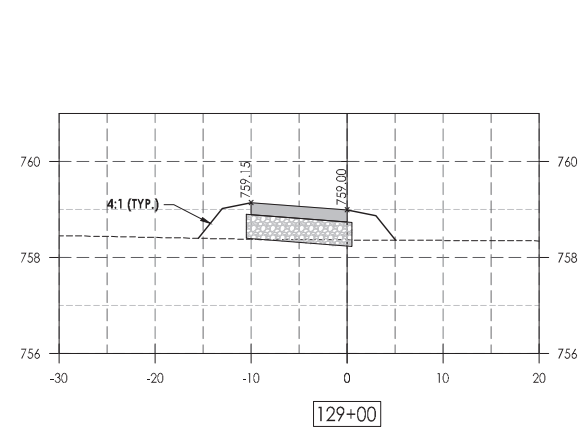
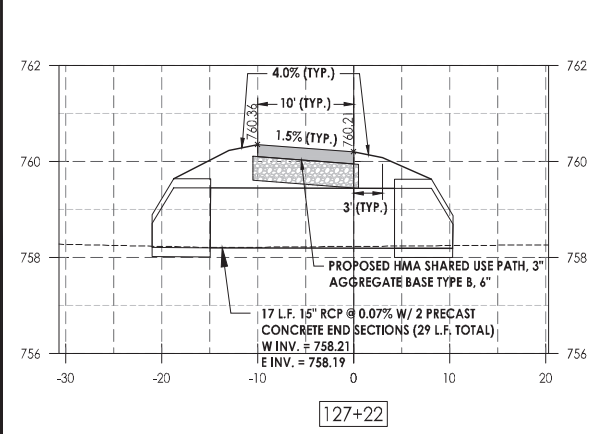
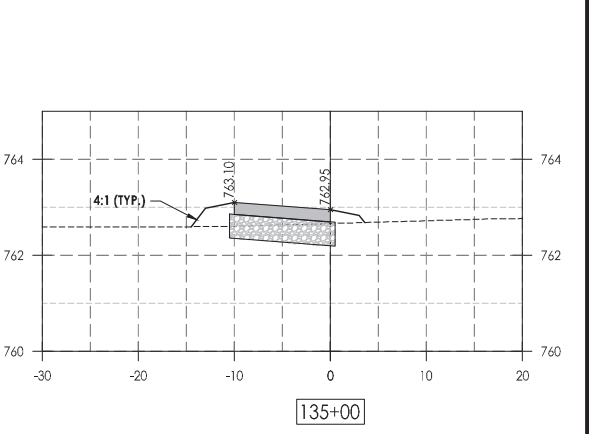
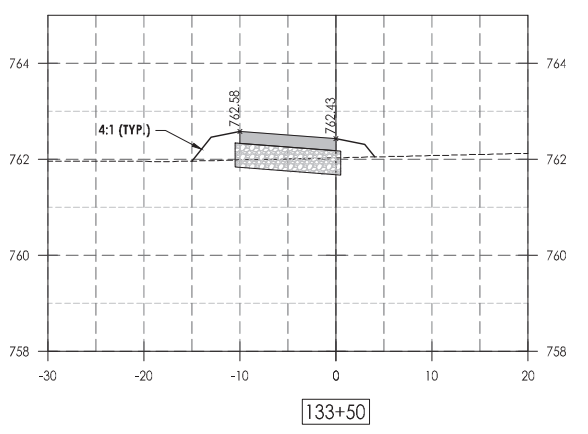
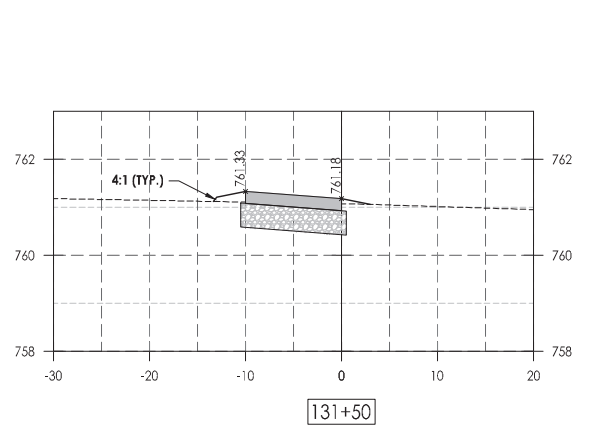
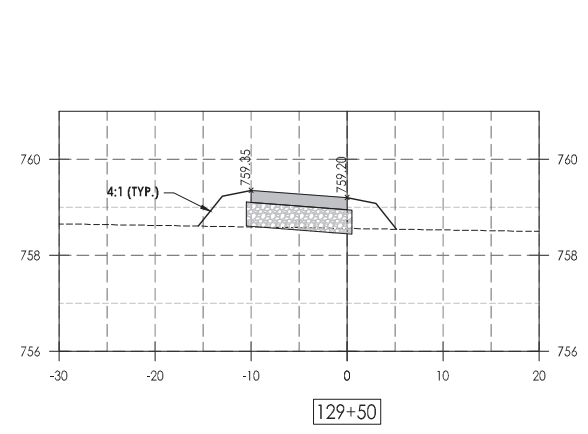
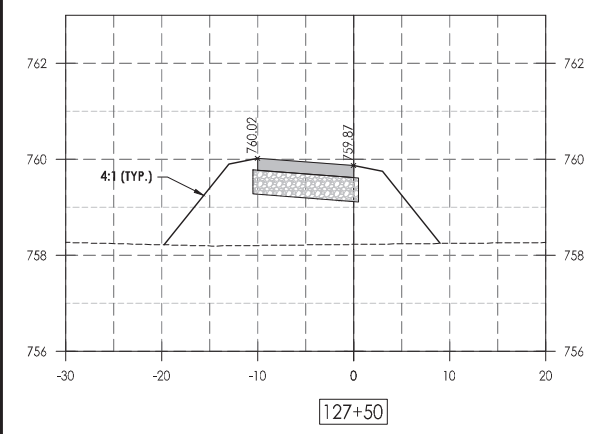
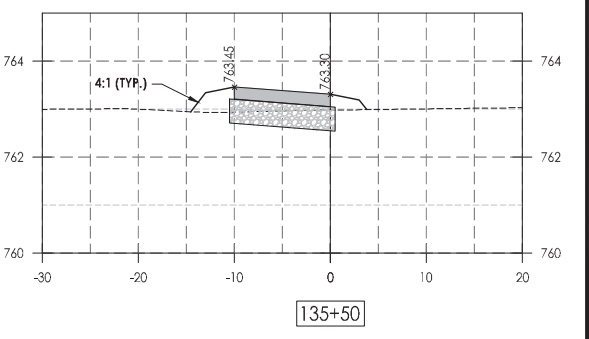
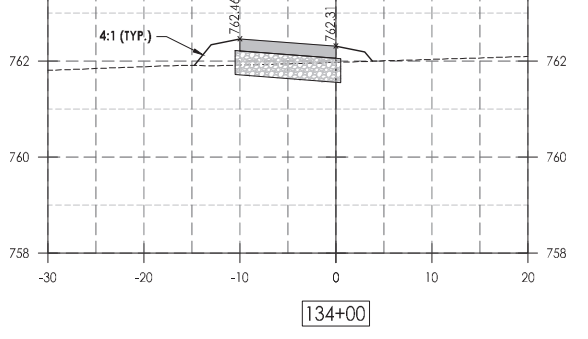
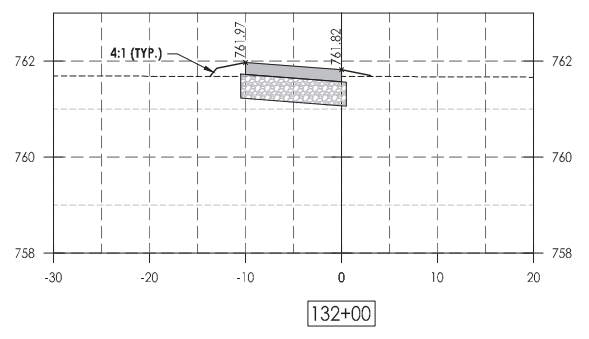
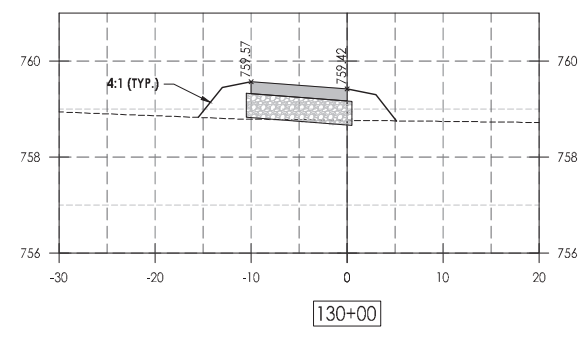
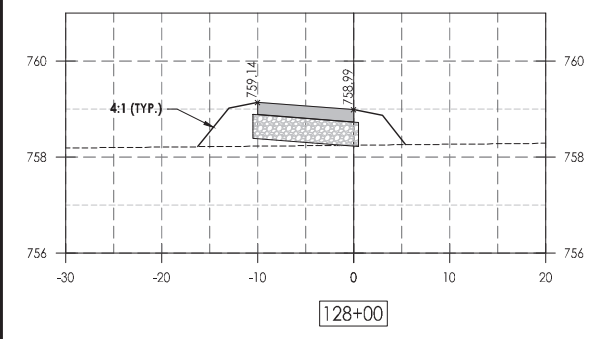
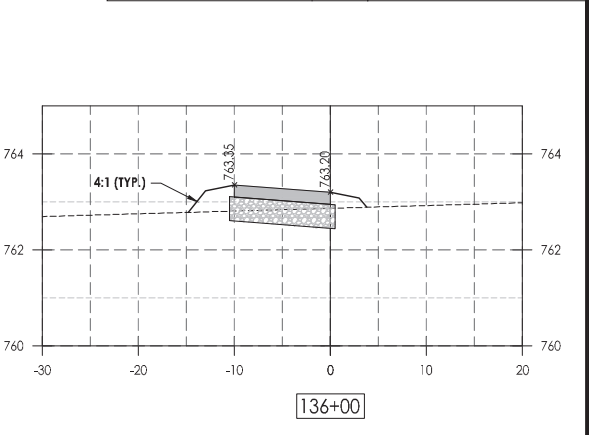
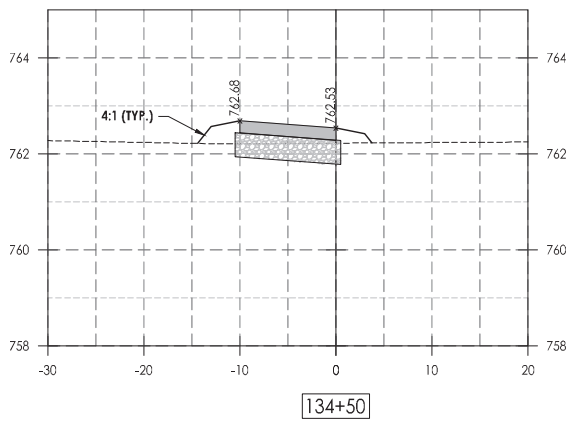
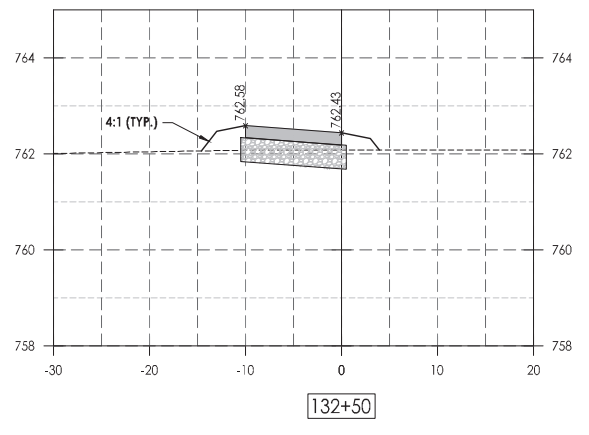
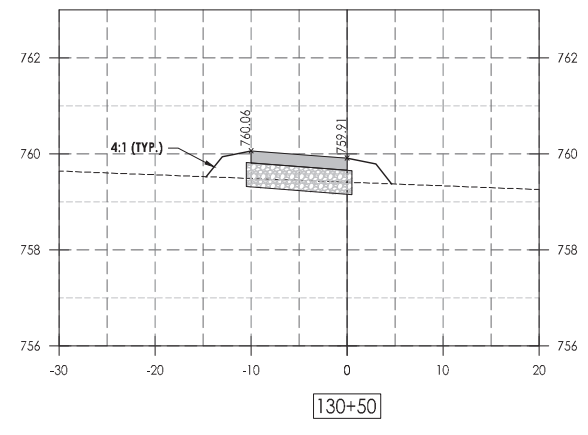
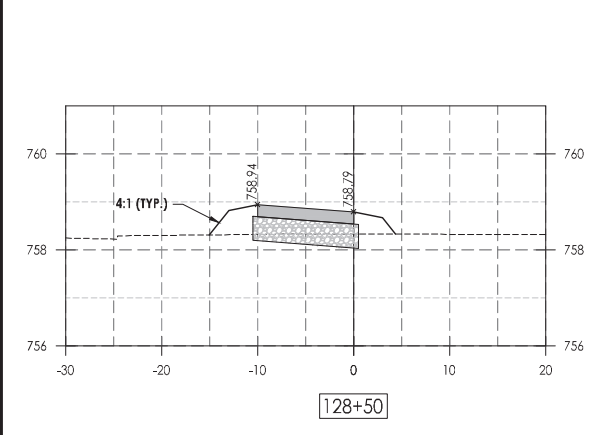
Date	Revision	By

**South Piscasaw Creek Connection
 Cross Sections
 Sta. 117+50 to 126+50**

CHECKED BY: KCB	DRAWN BY: JAB
DATE: 2/7/2022	DATE: 2/7/2022

Sheet 41 of 54

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LEGEND

- PROPOSED PCC SIDEWALK
- PROPOSED HMA PAVEMENT
- PROPOSED AGGREGATE BASE, TYPE B

C.E.S. INC.
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

PRINTED: 4/21/2022 7:47:21 AM

Date	Revision	By

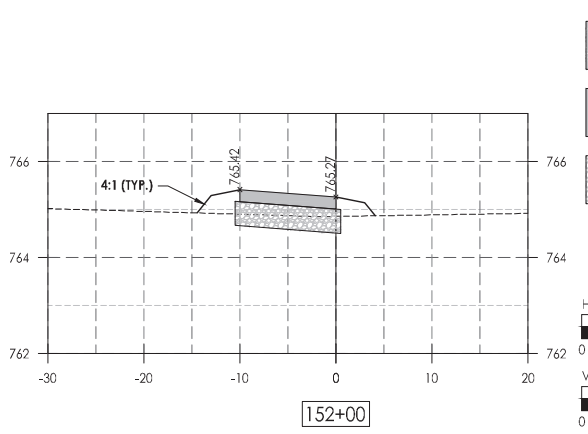
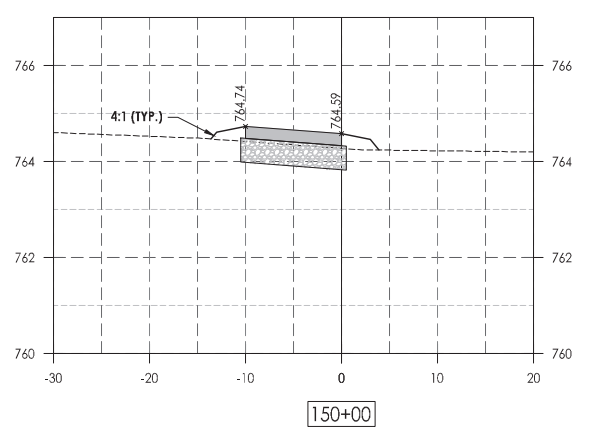
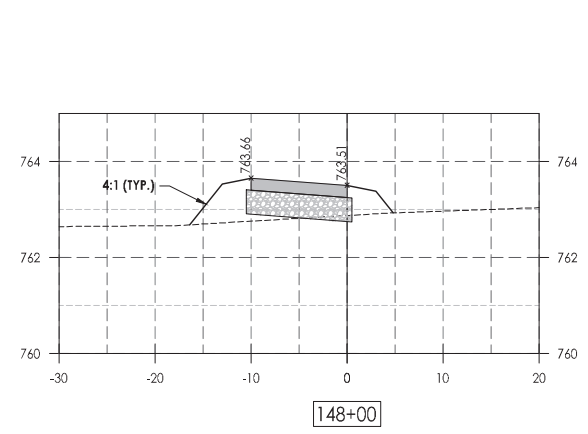
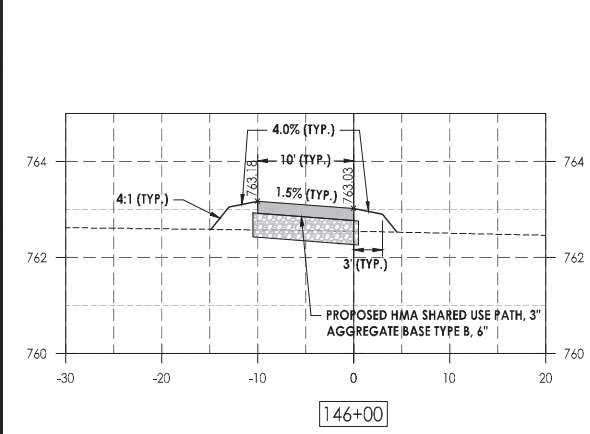
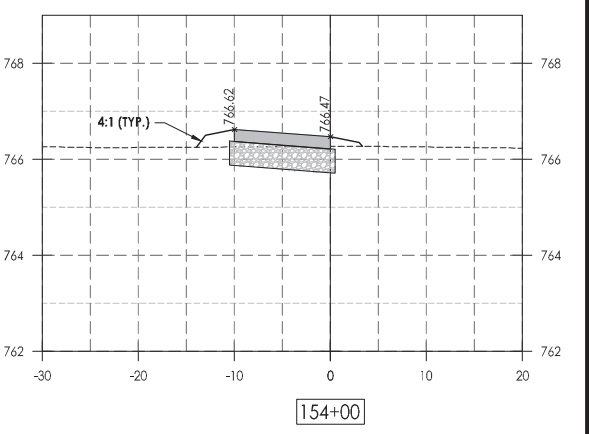
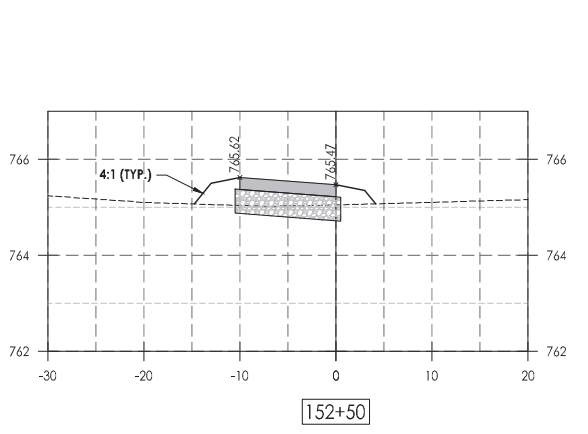
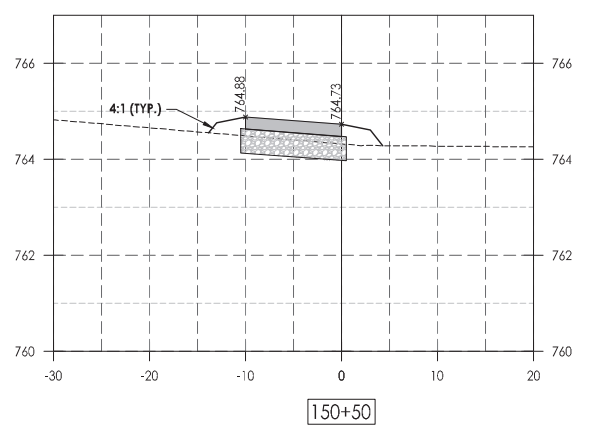
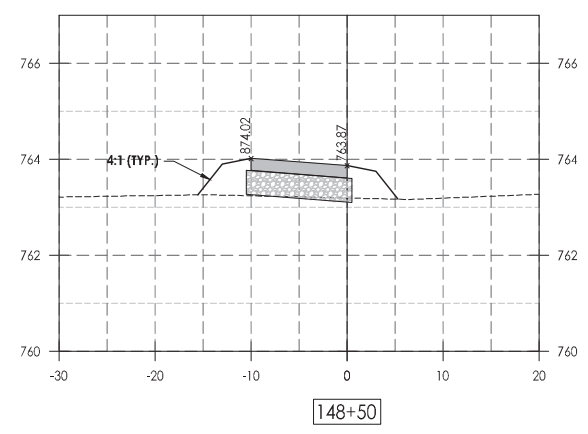
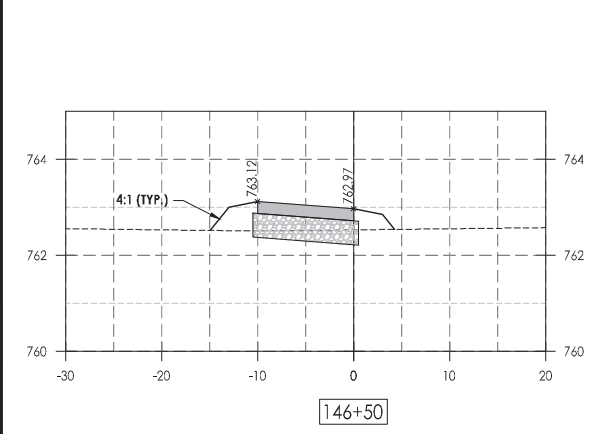
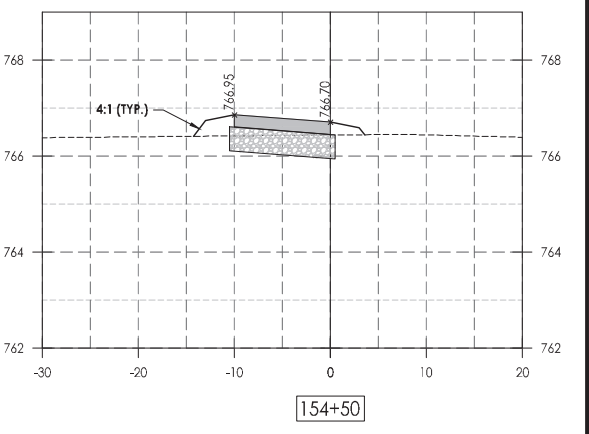
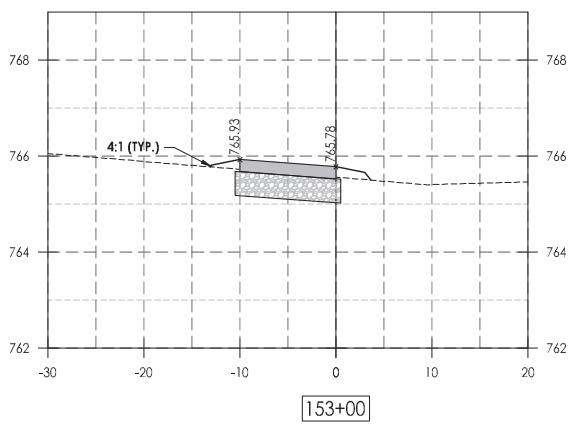
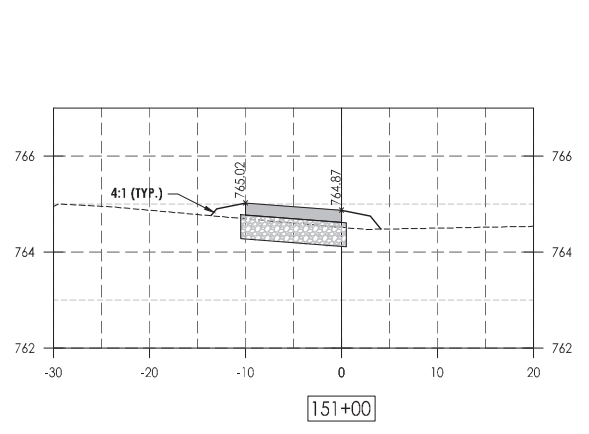
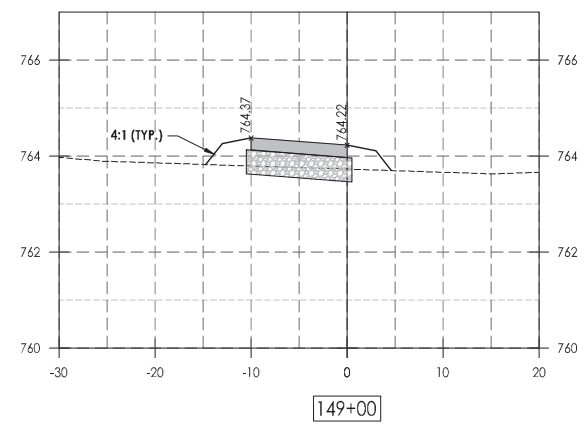
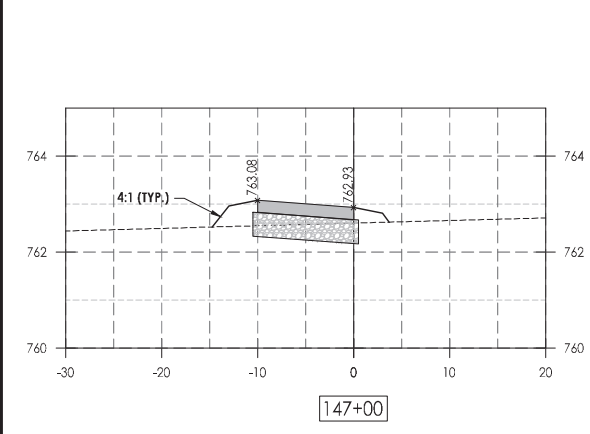
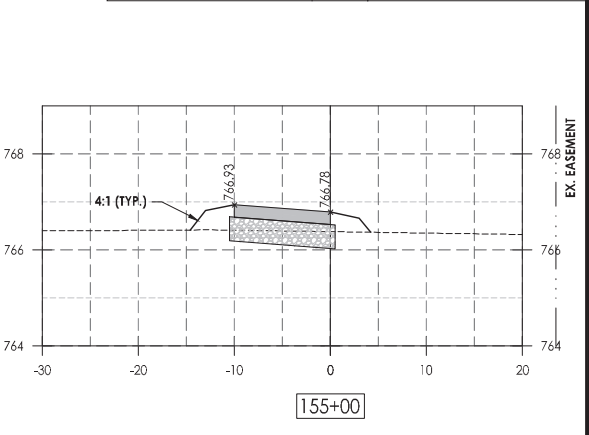
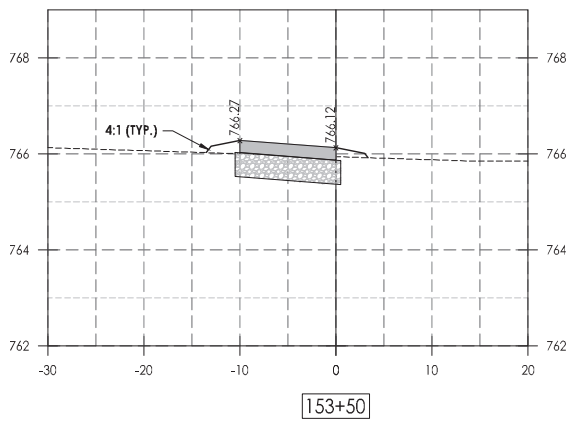
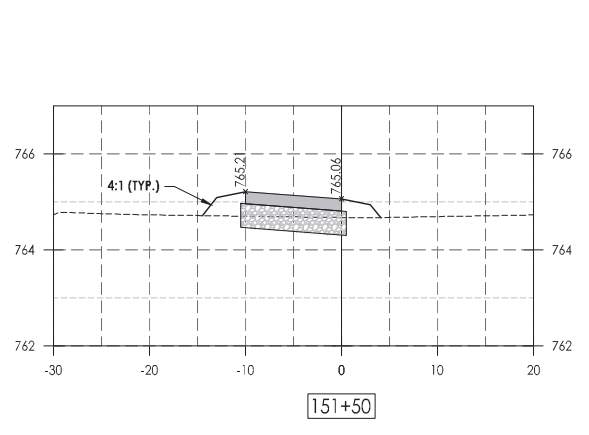
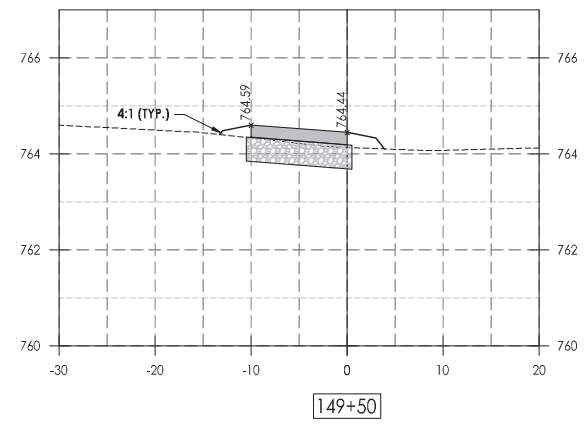
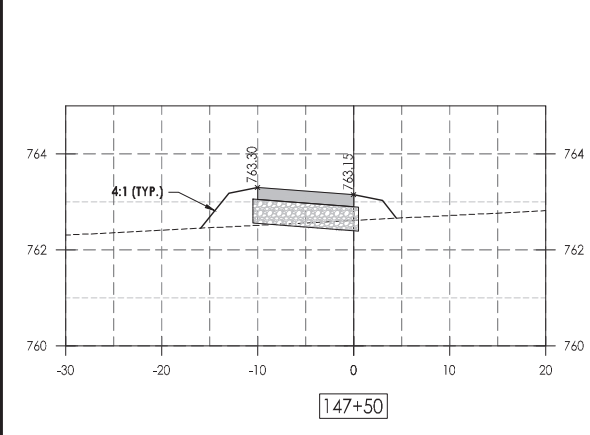
HORIZONTAL SCALE: 0 5 10 20
 VERTICAL SCALE: 0 1 2 4

South Piscasaw Creek Connection
 Cross Sections
 Sta. 127+00 to 136+00

CHECKED BY: KCB	DRAWN BY: JAB
DATE: 2/7/2022	DATE: 2/7/2022

Sheet 42 of 54

G:\FILES\BOONE COUNTY, ILLINOIS\ROADS\PROJECTS\CURRENT PROJECT\888\BASE\42102217.dwg, 4/21/2022 7:47:21 AM, JAB, L1



LEGEND

- PROPOSED PCC SIDEWALK
- PROPOSED HMA PAVEMENT
- PROPOSED AGGREGATE BASE, TYPE B

C.E.S. INC.
 CIVIL ENGINEERING SERVICES
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

PRINTED: 4/21/2022 7:47:30 AM

Date	Revision	By

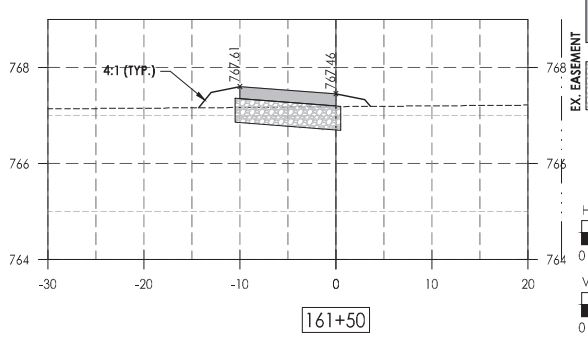
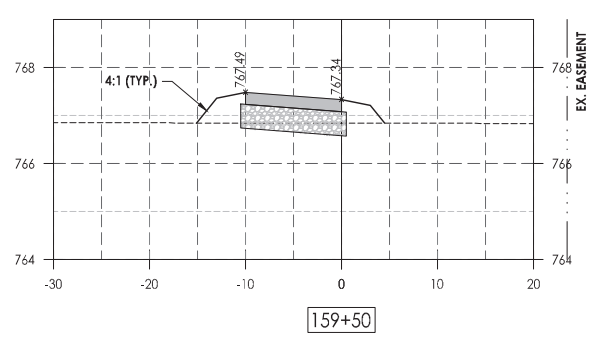
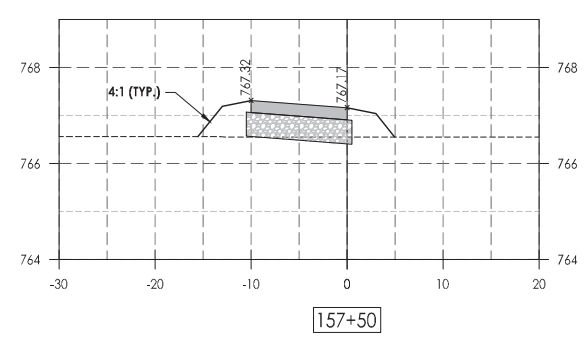
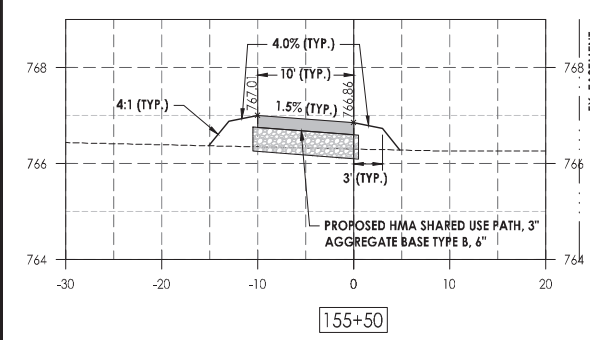
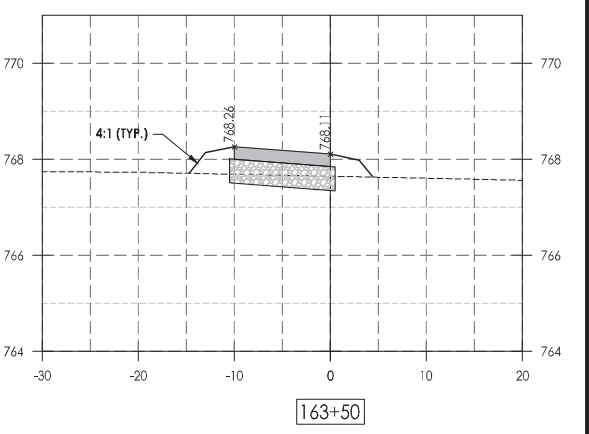
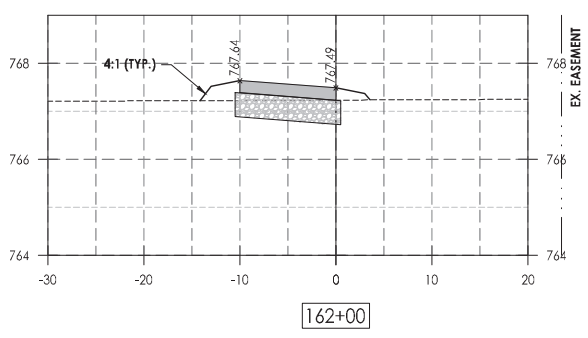
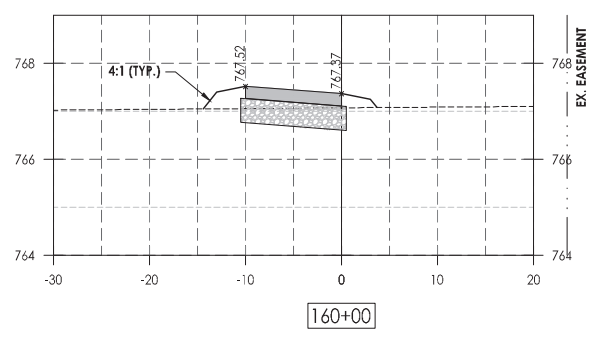
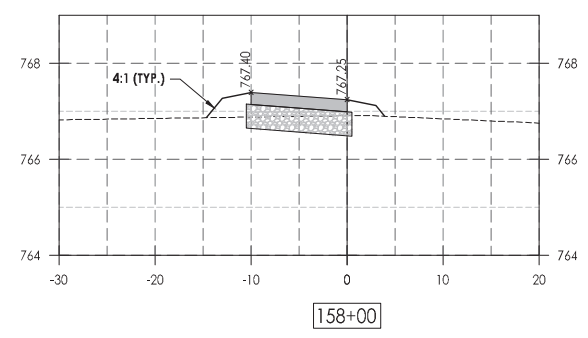
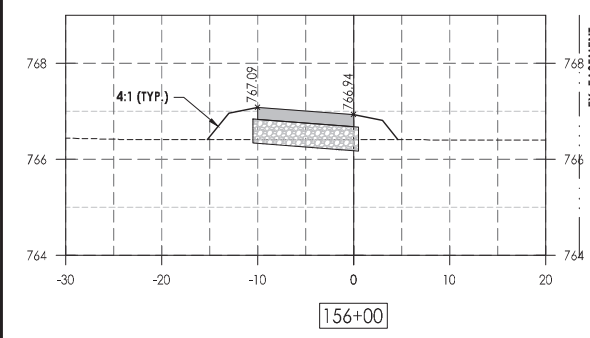
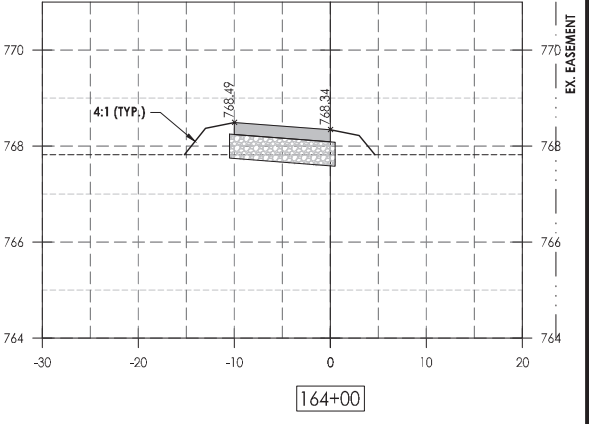
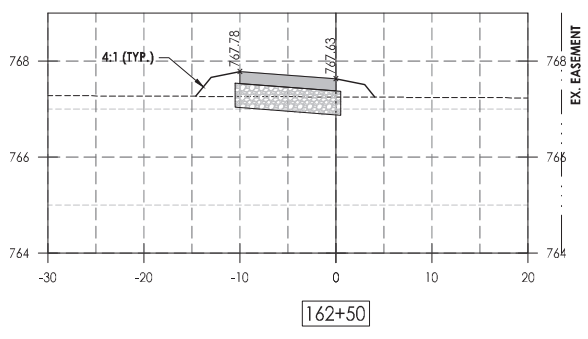
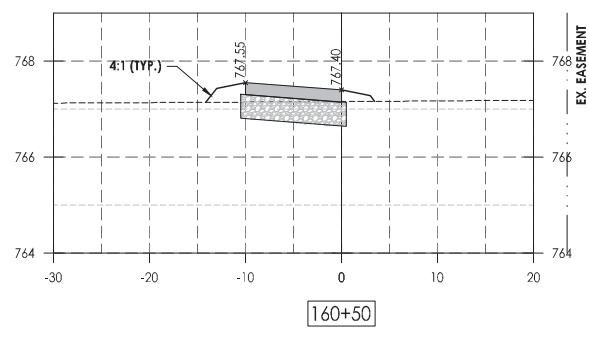
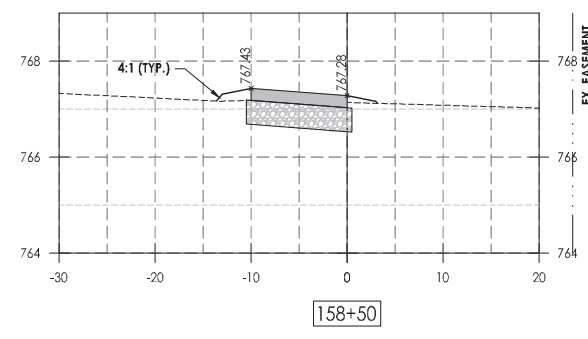
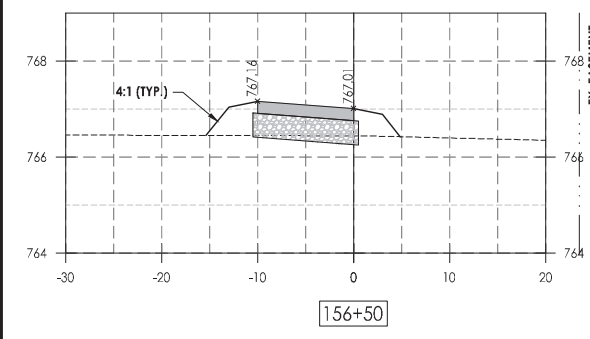
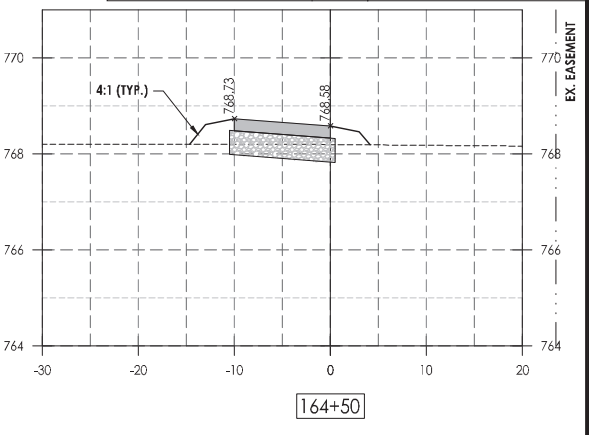
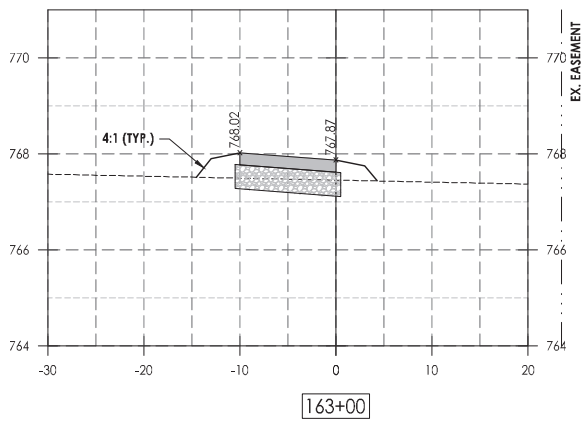
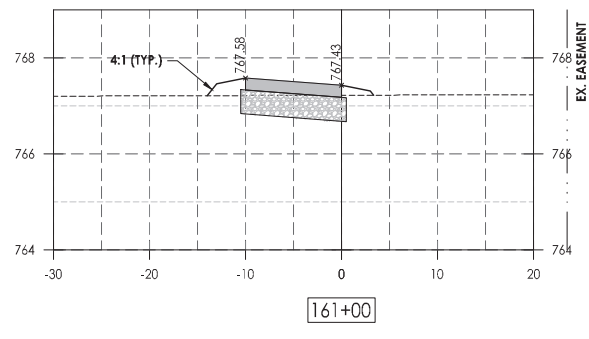
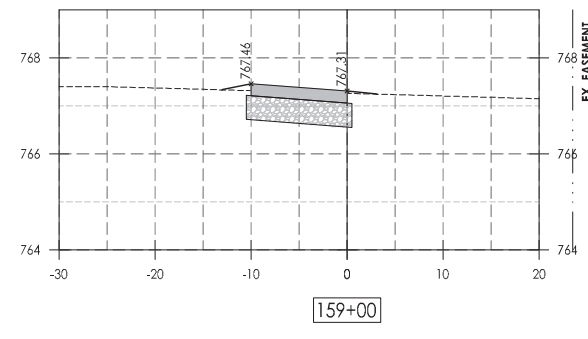
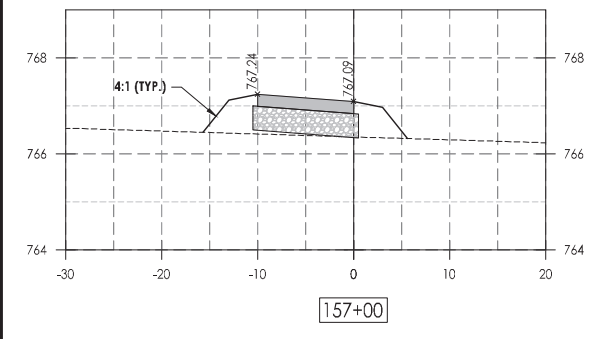
HORIZONTAL SCALE: 0 5 10 20
 VERTICAL SCALE: 0 1 2 4

South Piscasaw Creek Connection
 Cross Sections
 Sta. 146+00 to 155+00

CHECKED BY: KCB	DRAWN BY: JAB
DATE: 2/7/2022	DATE: 2/7/2022

Sheet 44 of 54

G:\FILES\BOONE COUNTY ONLY\888\888\888\PROJECT\CURRENT\PROJECT\888\BASE.dwg, 4/21/2022 7:47:29 AM, JAB, L1



LEGEND

- PROPOSED PCC SIDEWALK
- PROPOSED HMA PAVEMENT
- PROPOSED AGGREGATE BASE, TYPE B

C.E.S. INC.
 CIVIL ENGINEERING SERVICES
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

PRINTED: 4/21/2022 7:47:34 AM

Date	Revision	By

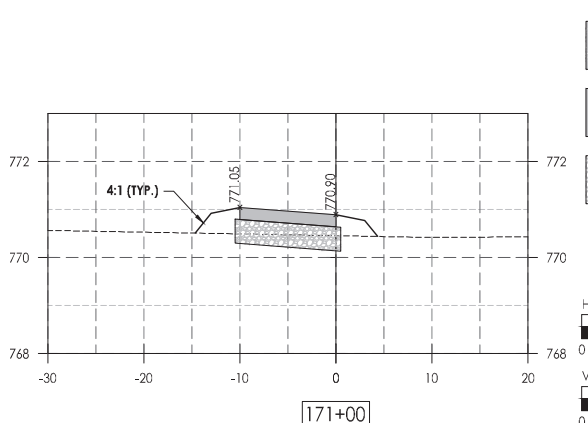
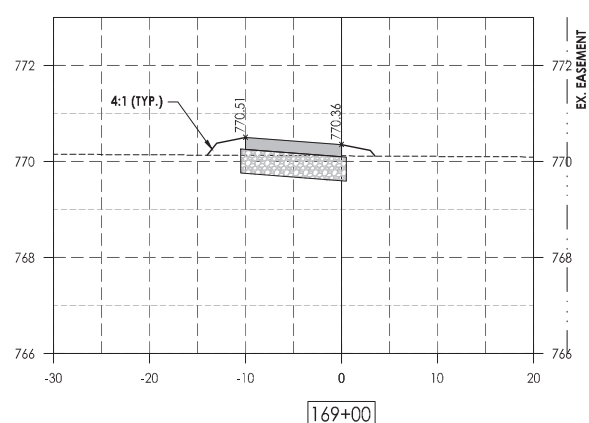
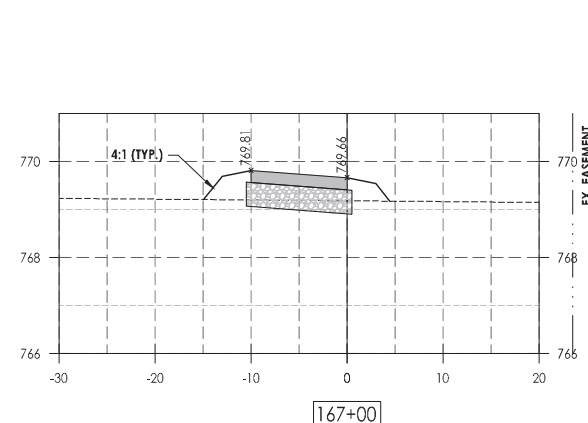
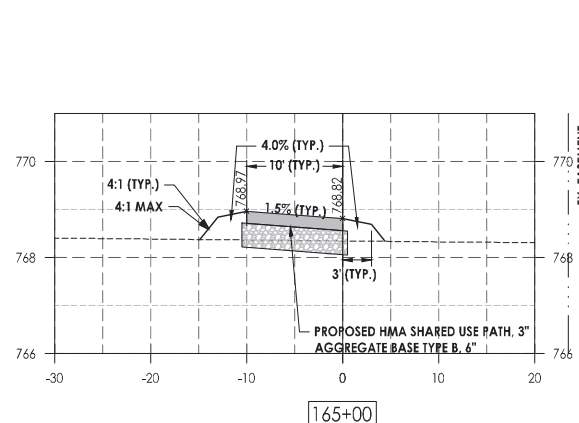
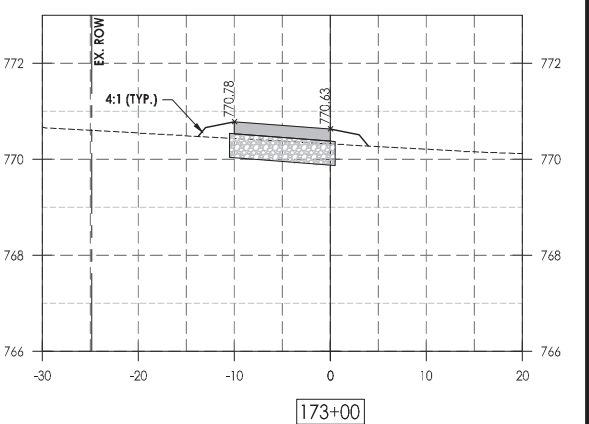
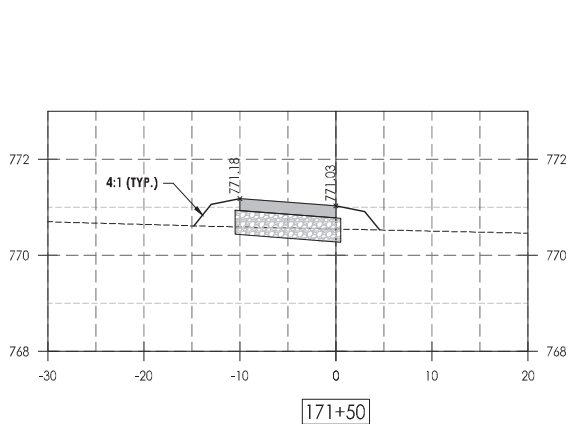
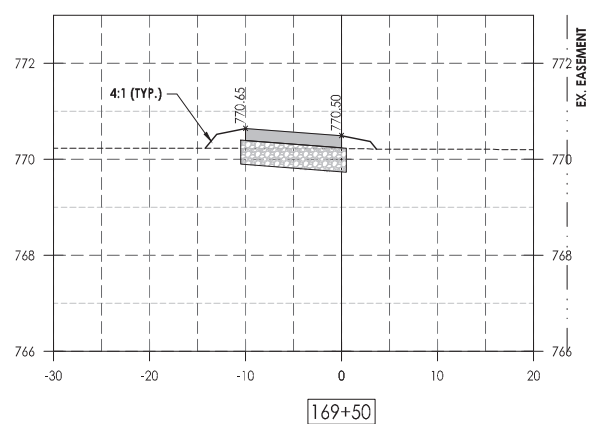
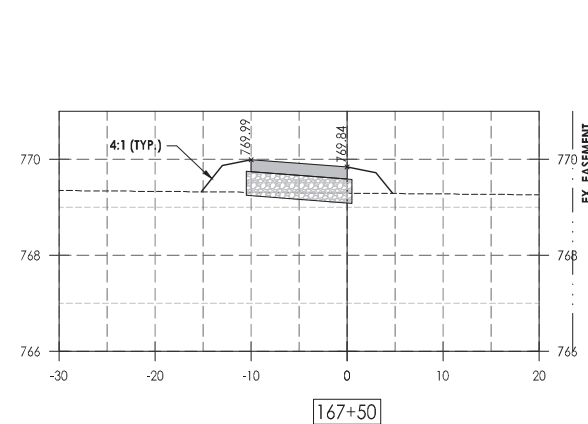
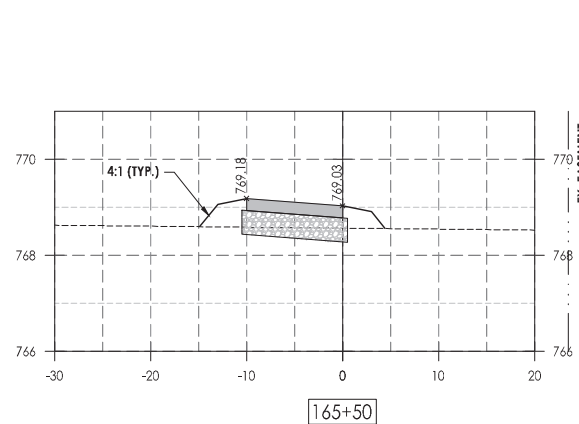
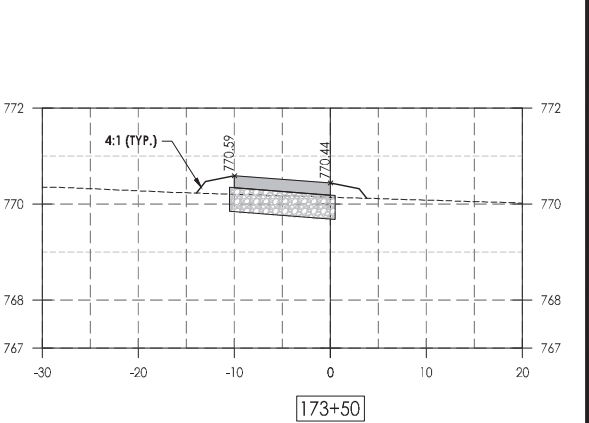
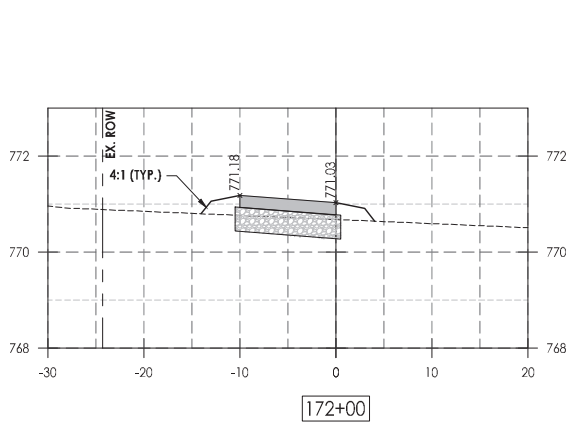
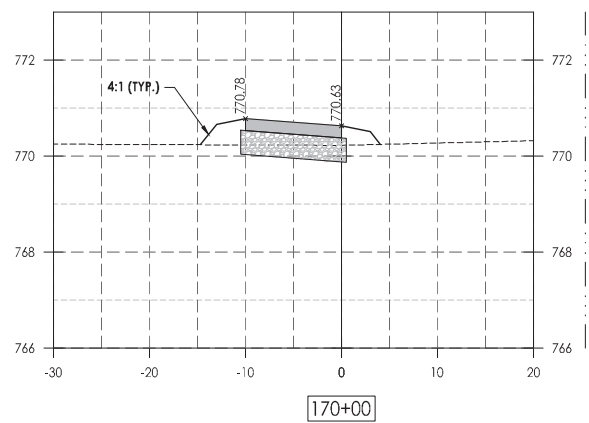
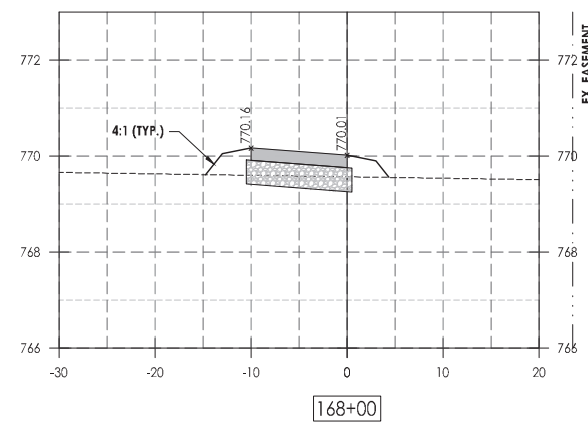
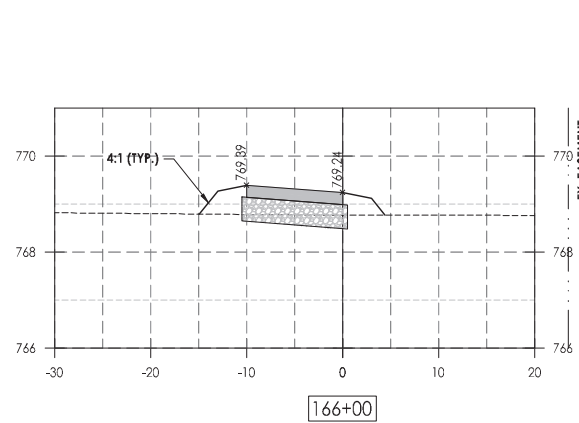
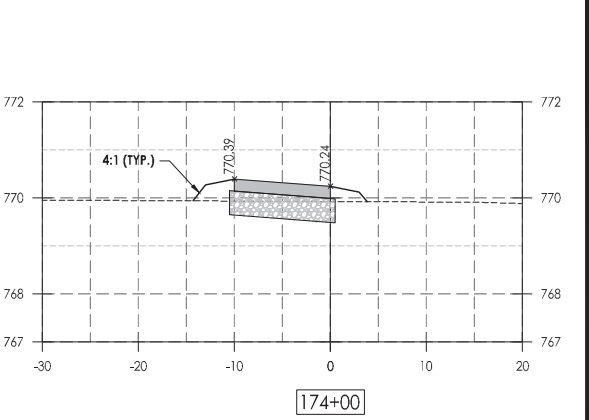
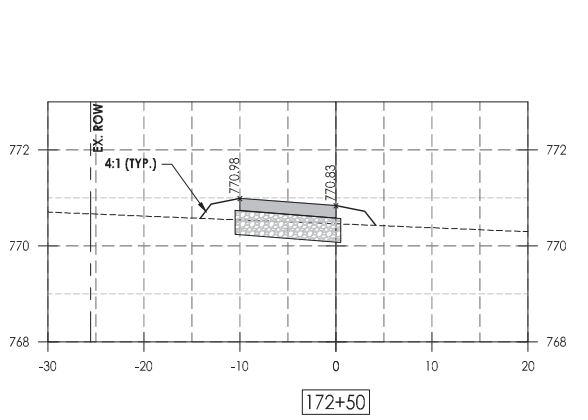
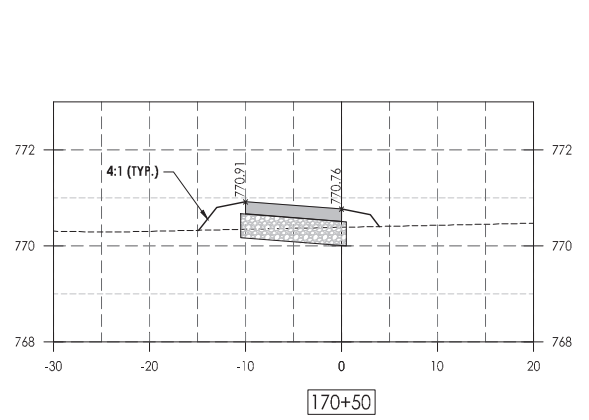
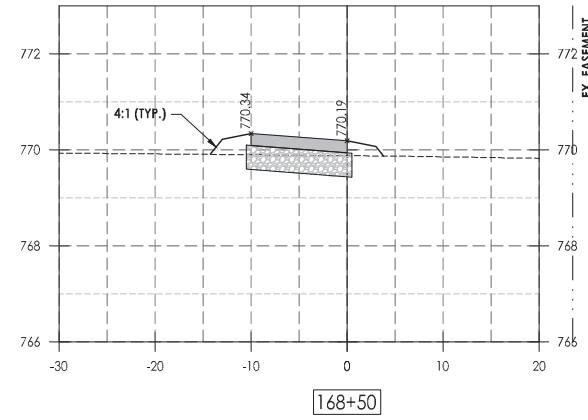
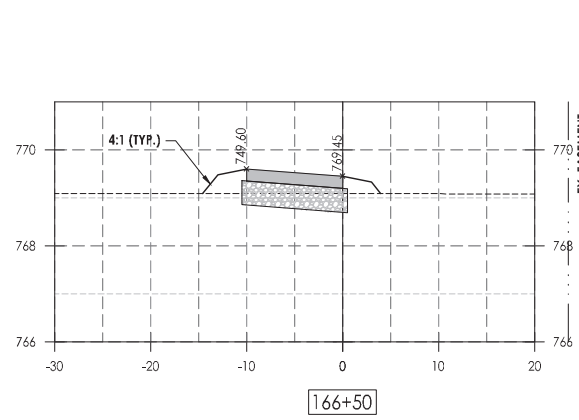
South Piscasaw Creek Connection Cross Sections
 Sta. 155+50 to 164+50

CHECKED BY: KCB DATE: 2/7/2022
 DRAWN BY: JAB DATE: 2/7/2022

Sheet 45 of 54

HORIZONTAL SCALE: 0 5 10 20
 VERTICAL SCALE: 0 1 2 4

G:\FILES\BOONE COUNTY ONLY\888 85726\SPCC\CROSS SECTION\PROJECT\888 85726\155+50.DWG, 4/21/2022 7:47:34 AM, 155+50



LEGEND

- PROPOSED PCC SIDEWALK
- PROPOSED HMA PAVEMENT
- PROPOSED AGGREGATE BASE TYPE B

C.E.S. INC.
 CIVIL ENGINEERING SERVICES
 700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

PRINTED: 4/21/2022 7:47:38 AM

Date	Revision	By

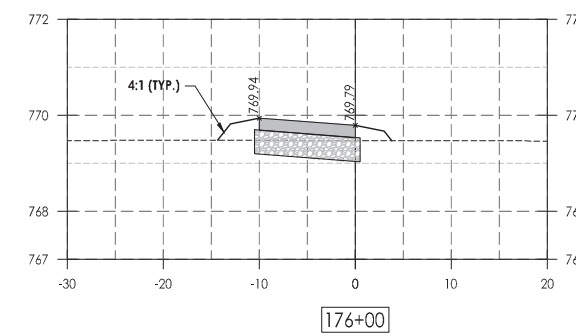
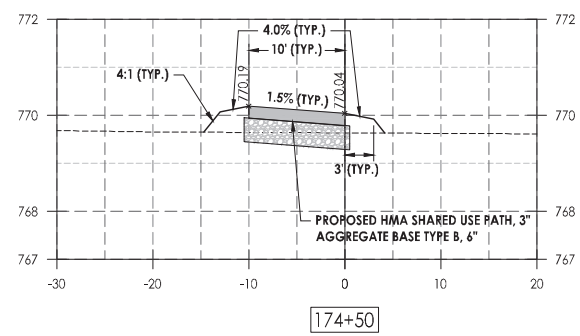
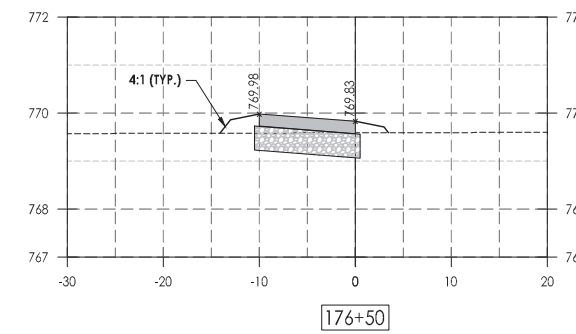
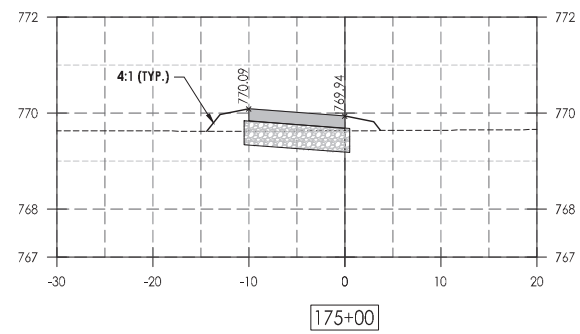
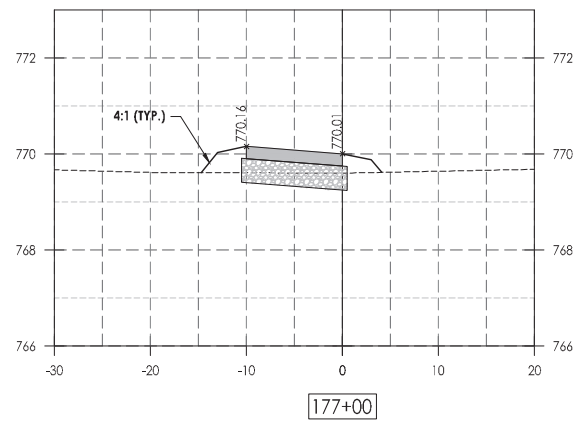
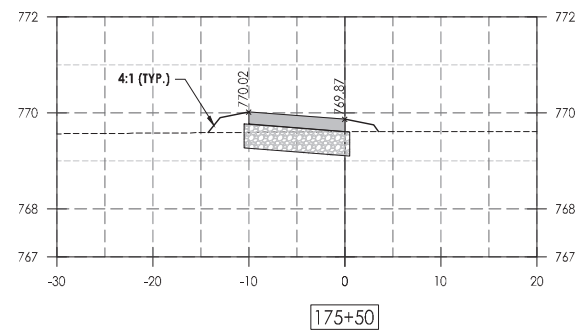
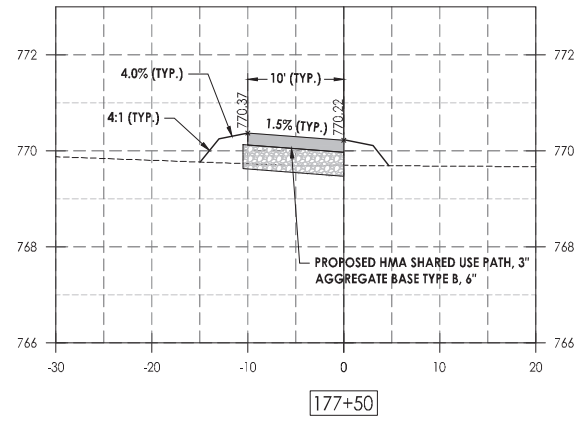
South Piscasaw Creek Connection Cross Sections
 Sta. 165+00 to 174+00

CHECKED BY: KCB DATE: 2/7/2022
 DRAWN BY: JAB DATE: 2/7/2022

Sheet 46 of 54

HORIZONTAL SCALE: 0 5 10 20
 VERTICAL SCALE: 0 1 2 4

G:\FILES\BOONE COUNTY ONLY\888\888\888\PROJECT\CURRENT\PROJECT\888\BASE.dwg, 4/21/2022 7:47:37 AM, JAB, L1

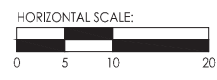


LEGEND

- PROPOSED PCC SIDEWALK
- PROPOSED HMA PAVEMENT
- PROPOSED AGGREGATE BASE, TYPE B

700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
 PHONE: (815) 547-8435, FAX: (815) 544-0421
 ILLINOIS DESIGN FIRM NO. 184-001260

PRINTED: 4/21/2022 7:47:42 AM



Date	Revision	By

South Piscasaw Creek Connection
 Cross Sections
 Sta. 174+50 to 177+50

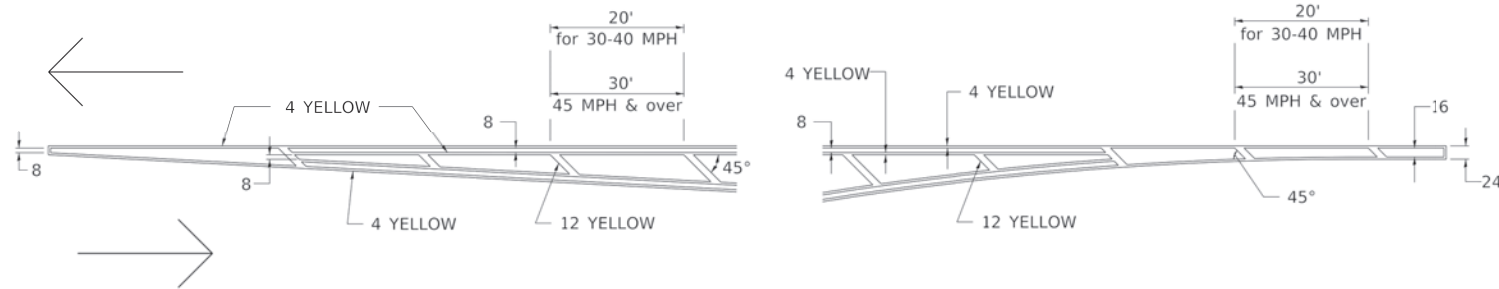
CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	Sheet 47 of 54
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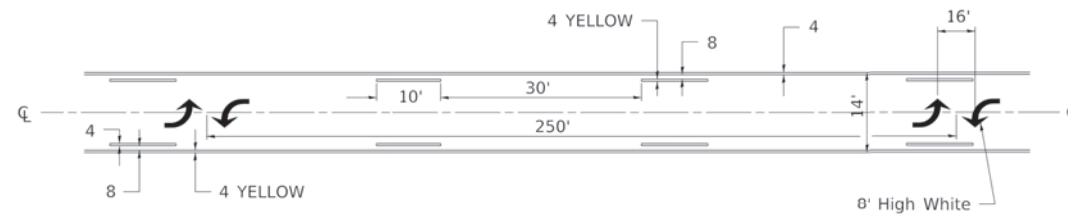
TYPICAL PAVEMENT MARKINGS

F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00115-00-BT	BOONE	54	49
ILLINOIS			CONTRACT NO. 85726	

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

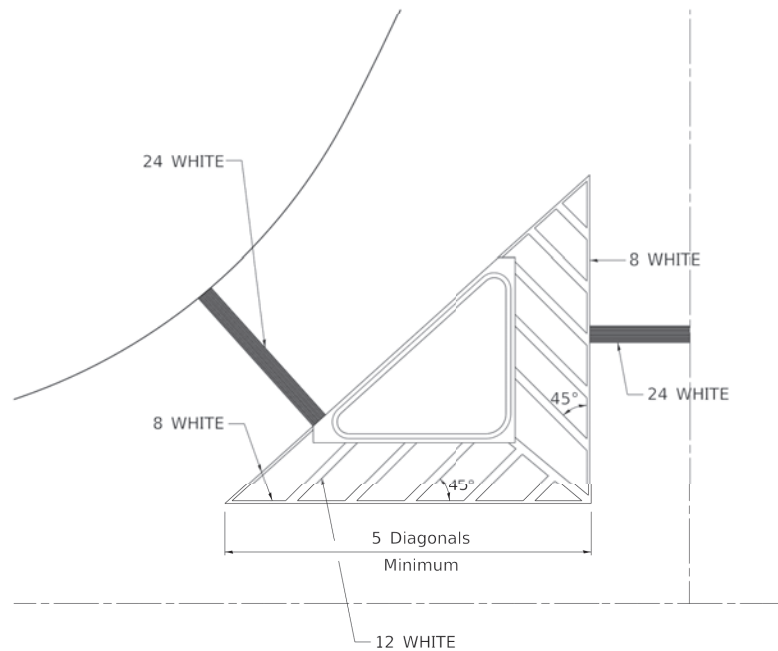


MEDIAN PAVEMENT MARKING



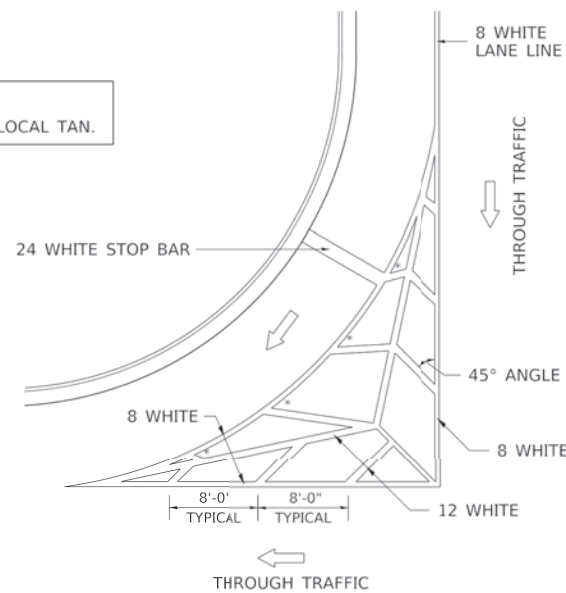
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



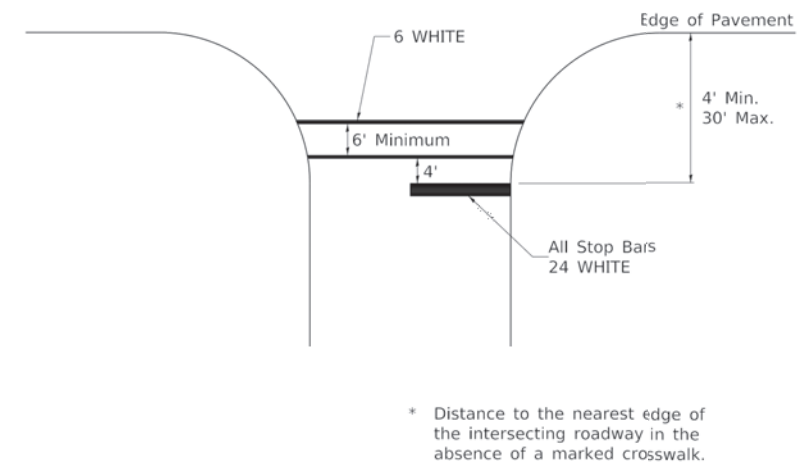
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME: District 2 Standard	USER NAME = IDOT/District 2	DESIGNED -	REVISED - 6-27-14
	PLOT SCALE = 1:0000' / in.	DRAWN -	REVISED - 3-05-12
	PLOT DATE = 1/11/2022	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

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

TYPICAL PAVEMENT MARKINGS SHEET 1 OF 3 41.1

PRINTED: 4/21/2022 7:47:45 AM



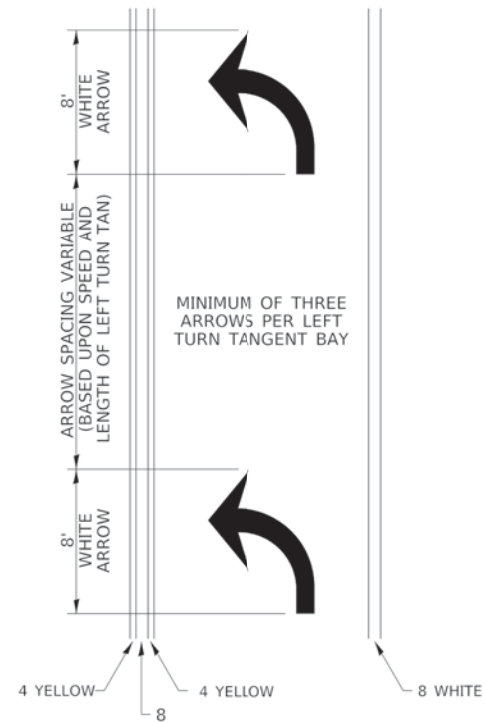
700 WEST LOCUST ST., BELVIDERE, ILLINOIS 61008
PHONE: (815) 547-8435, FAX: (815) 544-0421
ILLINOIS DESIGN FIRM NO. 184-001260

Date	Revision	By
South Piskasaw Creek Connection Details		
CHECKED BY: KCB	DRAWN BY: JAB	Sheet
DATE: 2/7/2022	DATE: 2/7/2022	49 of 54
PROJECT: BOONE COUNTY CHRYSLER RAMP SPCC FORM CORRECTION PROJECT: I888 BAYVIEW		

TYPICAL PAVEMENT MARKINGS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00115-00-BT	BOONE	54	50
		ILLINOIS	CONTRACT NO. 85726	

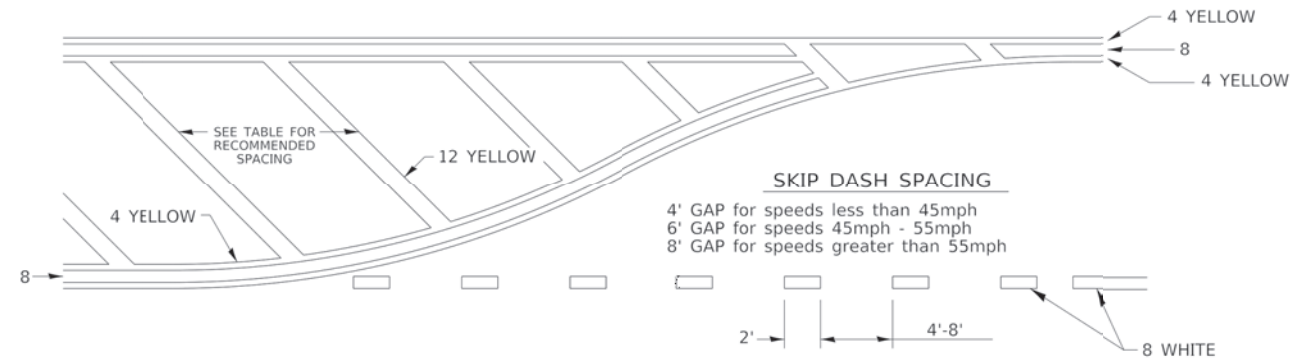
ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

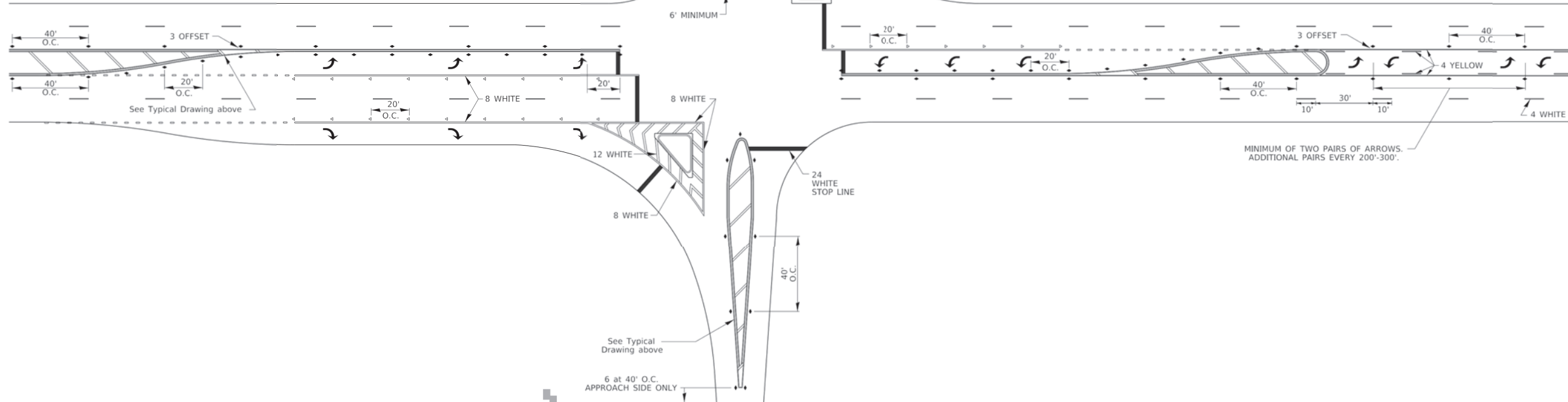
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



FILE NAME: District 2 Standard	USER NAME = IDOT/District 2	DESIGNED -	REVISION - 6-22-24
		DRAWN -	REVISION - 9-05-12
	PLOT SCALE = 1:0000' / in.	CHECKED -	REVISION -
	PLOT DATE = 1/11/2022	DATE -	REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				CONTRACT NO.
				ILLINOIS RED. AID PROJECT

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

TYPICAL PAVEMENT MARKINGS SHEET 2 OF 3 41.1

PRINTED: 4/21/2022 7:47:46 AM

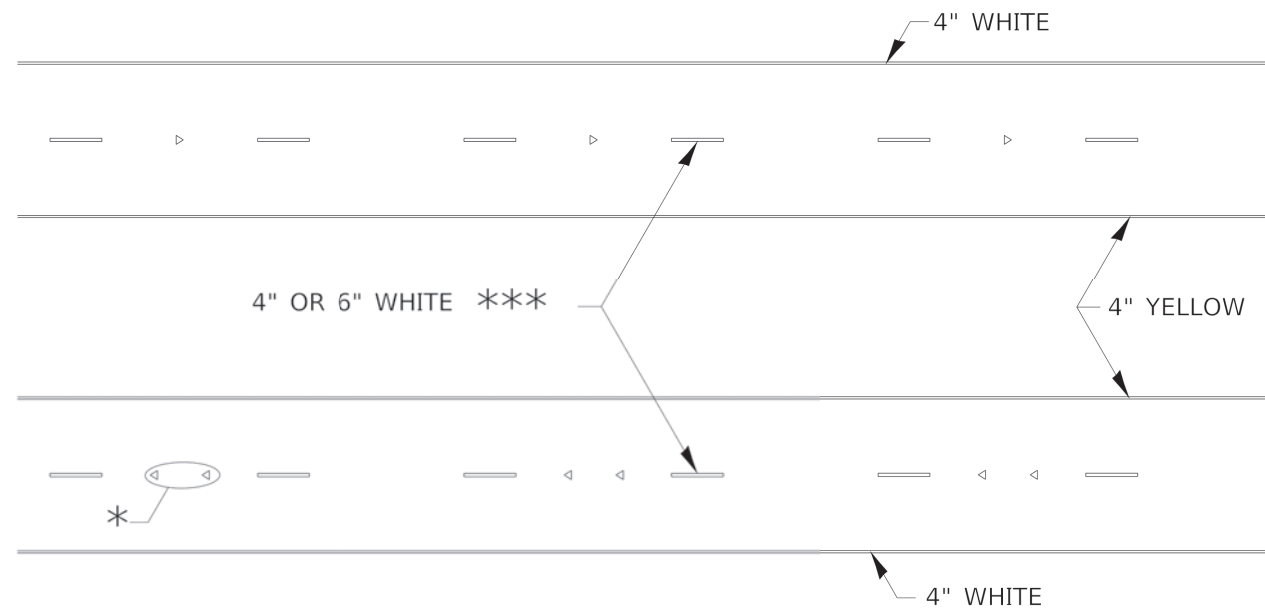
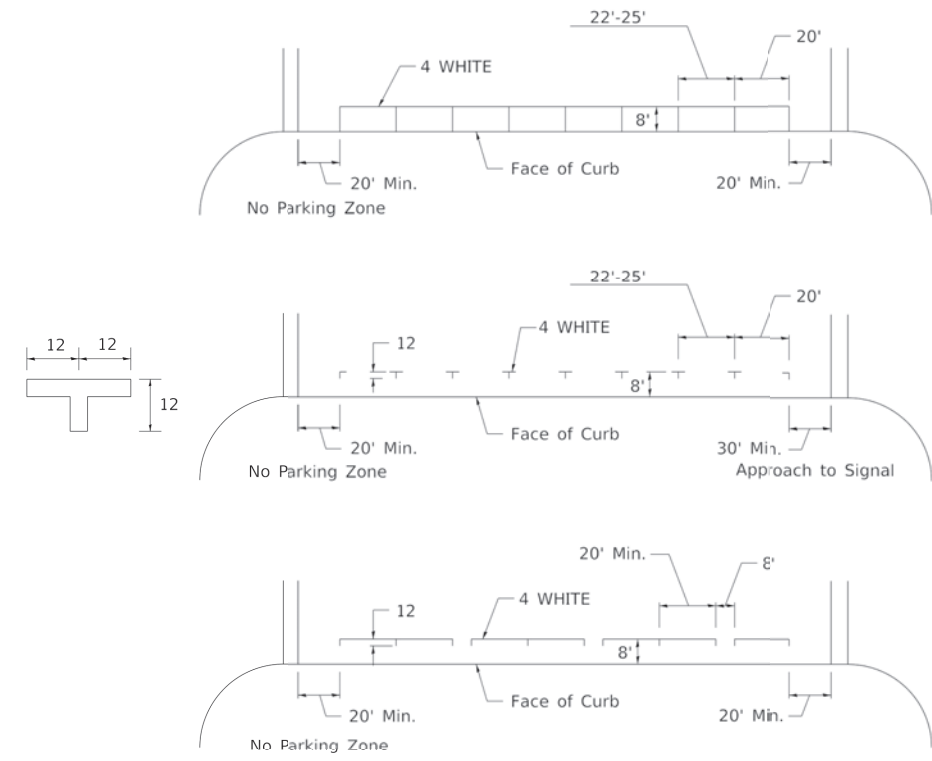


Date	Revision	By
South Piscasaw Creek Connection Details		
CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	Sheet 50 of 54

TYPICAL PAVEMENT MARKINGS

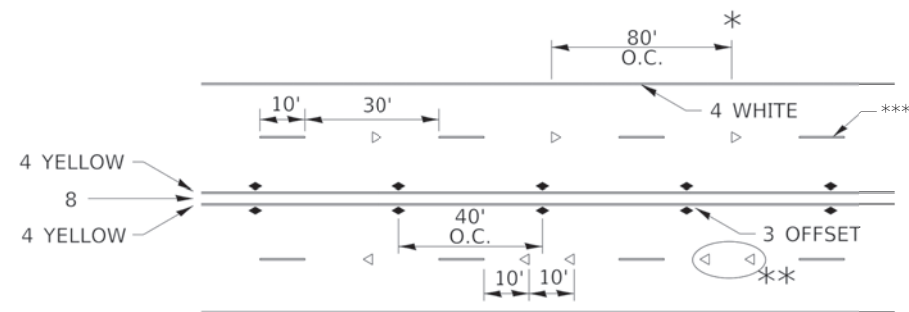
F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00115-00-BT	BOONE	54	51
ILLINOIS			CONTRACT NO. 85726	

TYPICAL PARKING SPACING



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT ≥ 20,000.

MULTI-LANE / DIVIDED



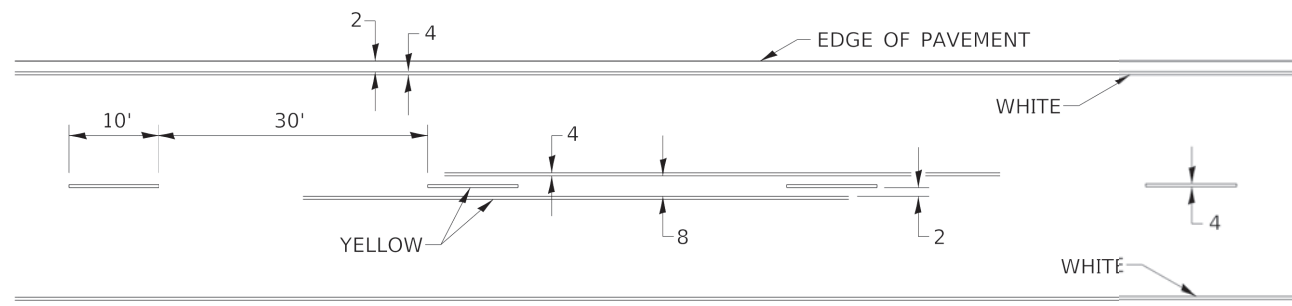
* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

*** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

SYMBOLS

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS
DETAIL NOT HIGHWAY STANDARD 781001)

FILE NAME: District 2 Standard	USER NAME = IDOT/District 2	DESIGNED -	REVISED - 6-27-14
		DRAWN -	REVISED - 8-27-13
	PLOT SCALE = 1/8" = 1.0000' / in.	CHECKED -	REVISED - 11-28-12
	PLOT DATE = 1/11/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILLINOIS			CONTRACT NO.	
FID. AID PROJECT				

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

TYPICAL PAVEMENT MARKINGS SHEET 3 OF 3 41.1

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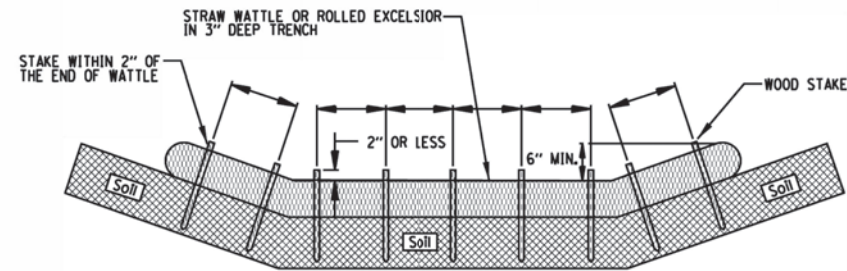


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ILLINOIS DESIGN FIRM NO. 184-001260

Date	Revision	By
South Piskasaw Creek Connection Details		
CHECKED BY: KCB	DRAWN BY: JAB	Sheet
DATE: 2/7/2022	DATE: 2/7/2022	51 of 54
PROJECT: BOONE COUNTY CHRYSLER 4888 RCHD SPCC PAVC CORREIF		

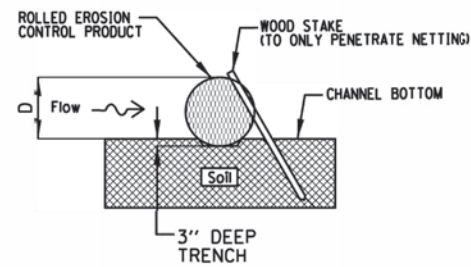
ROLLED EROSION CONTROL PRODUCTS

STAKING PATTERN GUIDE



- NOTES:
1. OVERLAP MINIMUM IS THE DIAMETER OF THE ROLL.
 2. 4' SPACING FOR WATTLES.
 3. 2' SPACING FOR ROLLED EXCELSIOR.
 4. OR SPACE ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

STAKE DETAIL

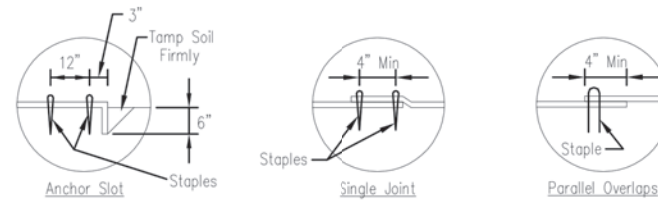
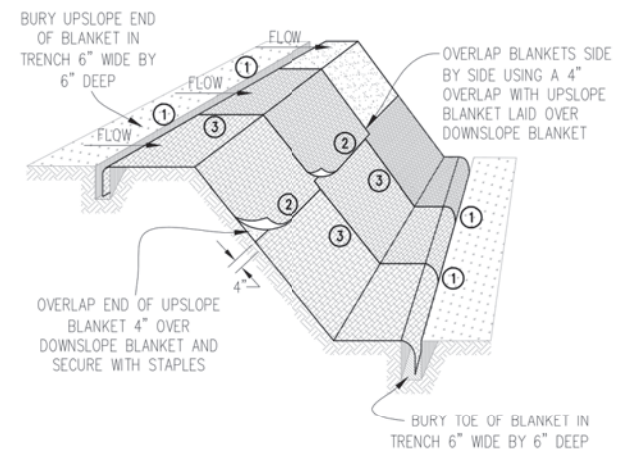


- NOTES:
1. DRAWINGS ARE NOT TO SCALE.
 2. ENDS OF WATTLES OR ROLLED EXCELSIOR SHALL BE TURNED AT LEAST 6" UPSLOPE.
 3. RECOMMENDED STAKES ARE 1 1/8" WIDE x 1 1/8" THICK x 30" LONG.
 4. STAKES SHALL NOT EXTEND ABOVE THE STRAW WATTLE MORE THAN 2".
 5. SPACING: THE TOE OF THE UPSTREAM DITCH CHECK SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH CHECK.

REFERENCE
 Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



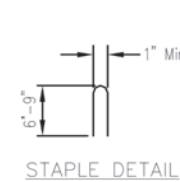
STANDARD DWG. NO.
IUM-514
 SHEET 1 OF 1
 DATE 08-2-2019



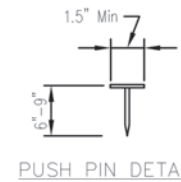
DETAIL 1

DETAIL 2

DETAIL 3



STAPLE DETAIL



PUSH PIN DETAIL

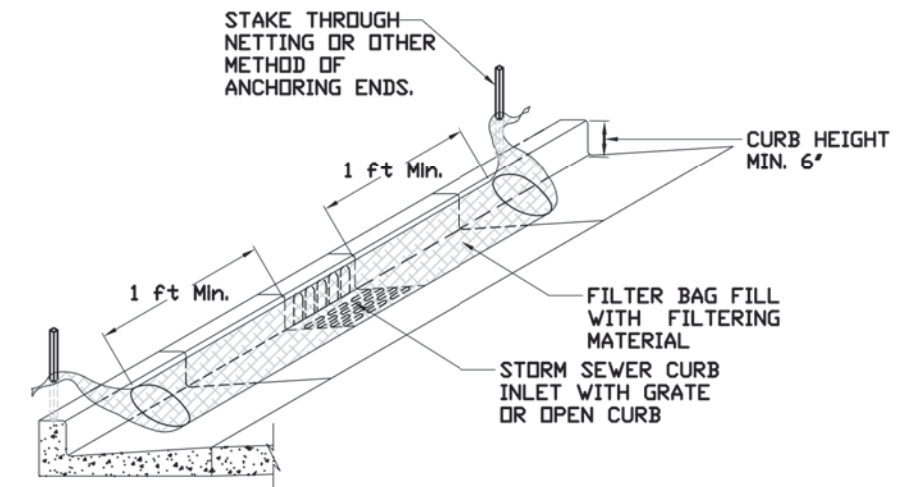
- NOTES:
1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
 2. Staple or push pin lengths shall be selectec based on soil type and conditions. (minimum staple length is 6")
 3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
 4. All anchor slots shall be stapled at approximately 12" intervals.

Project No. IUM-514
 Date 11/2018

EROSION CONTROL BLANKET INSTALLATION DETAILS

Designed _____ Date _____
 Drawn E. JOHNSON 11/2018
 Checked _____
 Approved _____

INLET PROTECTION - PAVED AREAS CURB PROTECTION



REFERENCE
 Project _____ Date _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



STANDARD DWG. NO.
IUM-561C
 SHEET 1 OF 1
 DATE 01-11-11

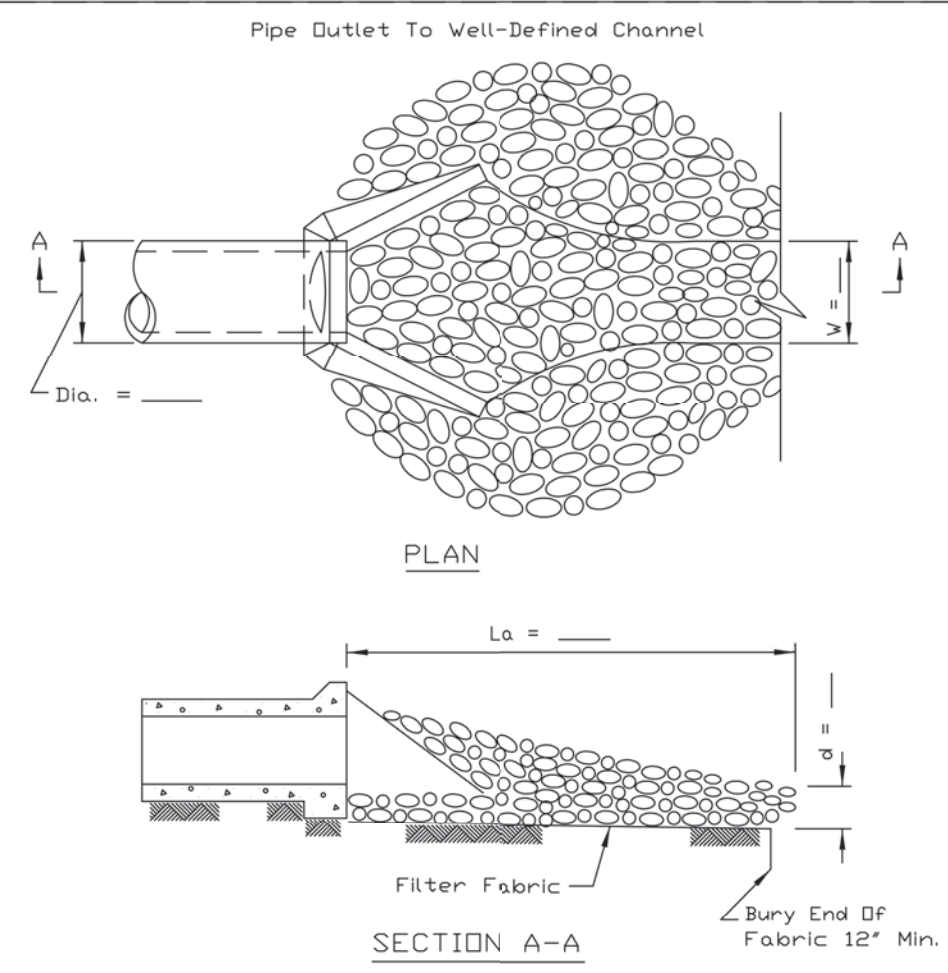


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Date	Revision	By
South Piscasaw Creek Connection Details		
CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	Sheet 52 of 54

PIPE OUTLET TO CHANNEL



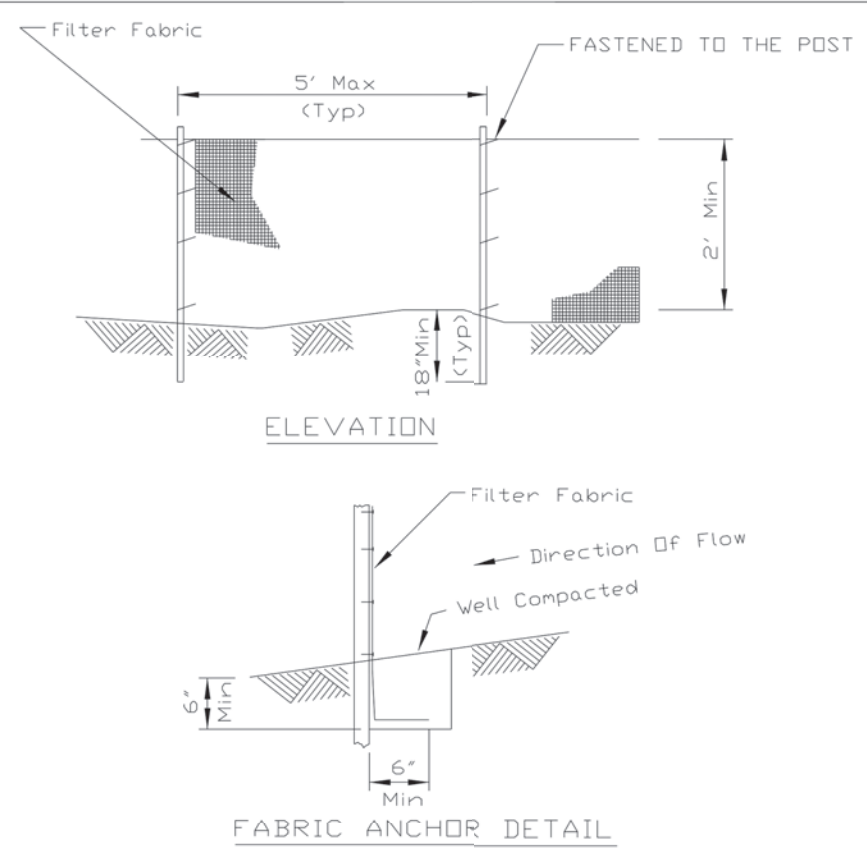
- NOTES:
1. The filter fabric shall meet the requirements in material specification 592 GEOTEXTILE Table 1 or 2, Class I, II or III.
 2. The rock riprap shall meet the IDOT requirements for the following gradation **IDOT CLASS A3**.
 3. The riprap shall be placed according to construction specification PER IDOT. The rock may be equipment placed.

REFERENCE
Project _____
Designed _____ Date _____
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STANDARD DWG. NO.
IL-611
SHEET 1 OF 1
DATE 8-18-94

SILT FENCE PLAN



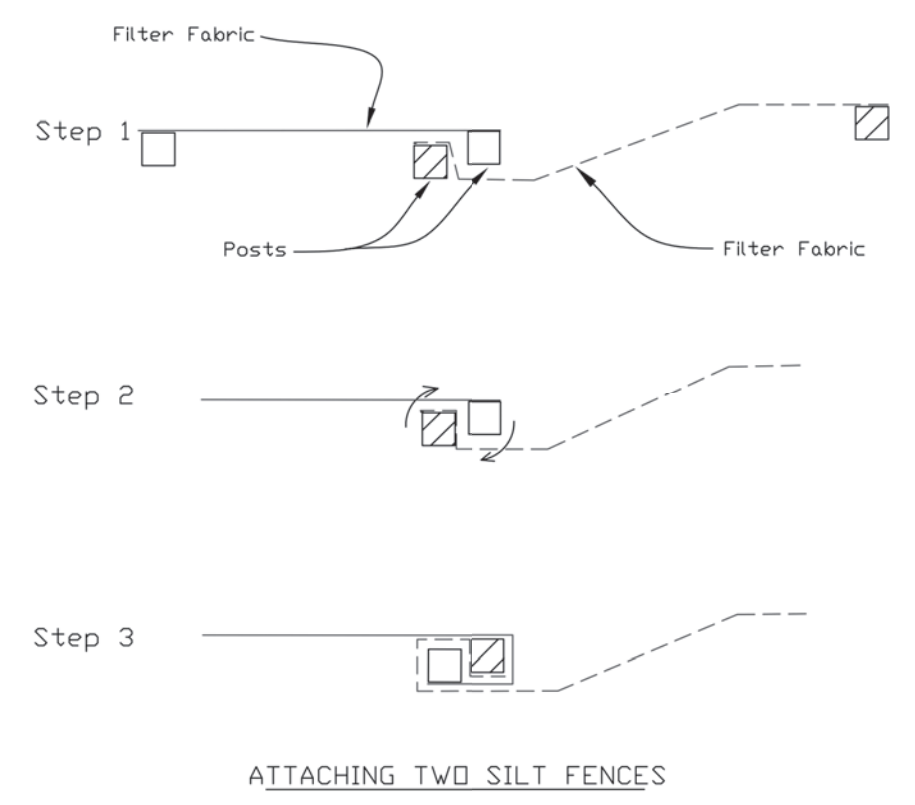
- NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1, Class 2.
 3. Fence posts shall be either standard steel post or wood post 2" X 2" nominal.

REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
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STANDARD DWG. NO.
IUM-620A
SHEET 1 OF 2
DATE 04-15-2021

SILT FENCE - SPLICING TWO FENCES



1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____



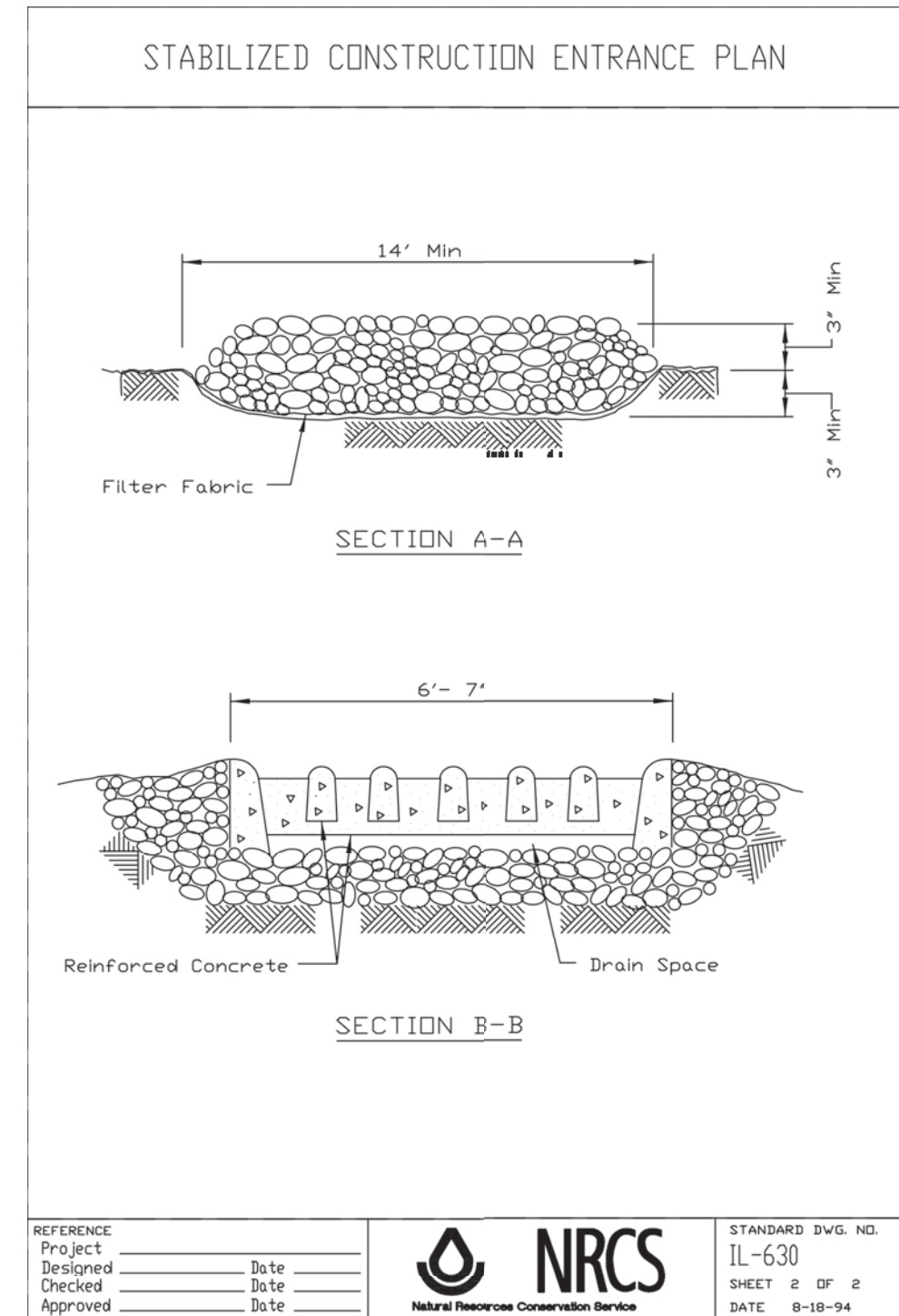
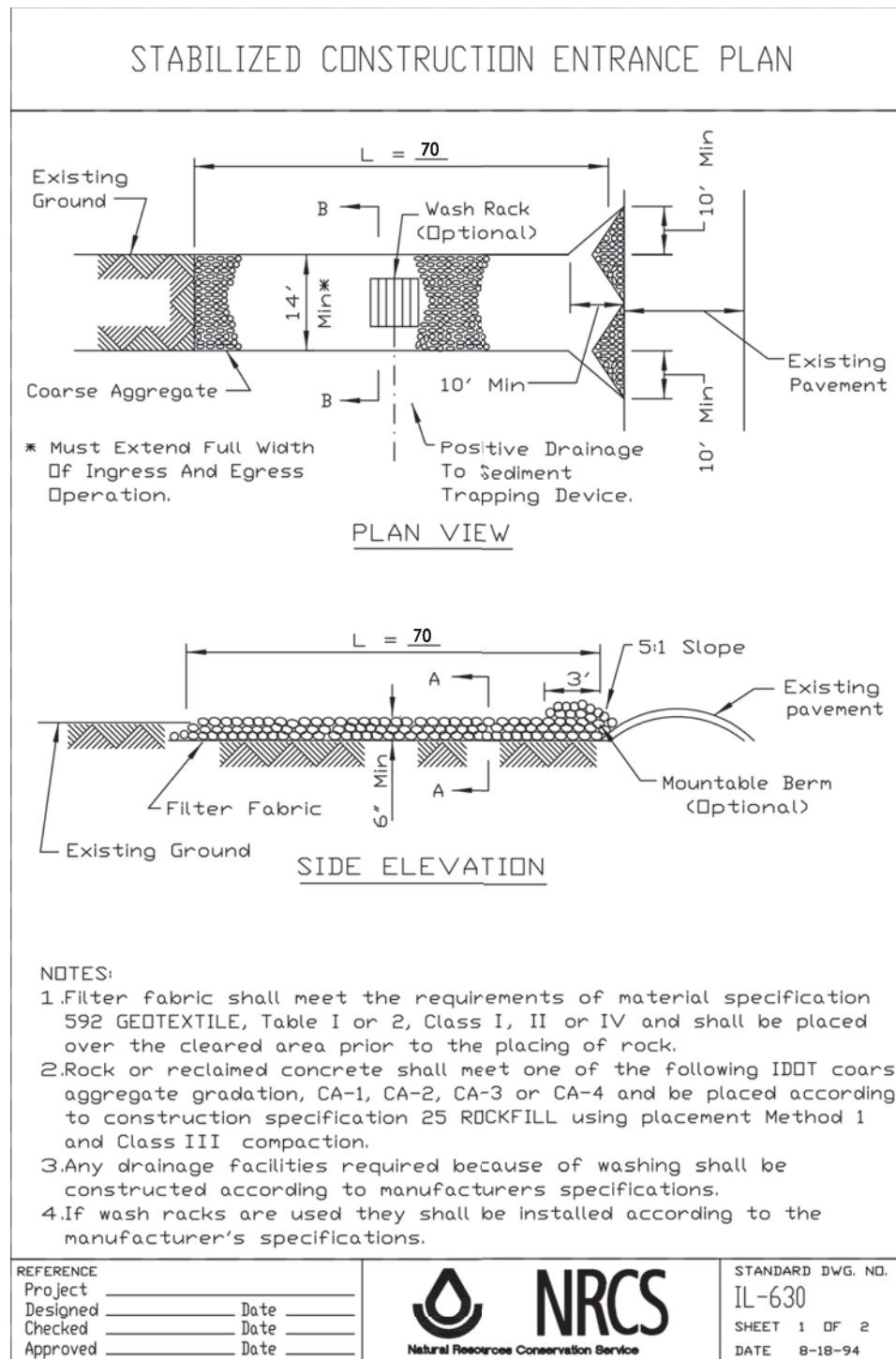
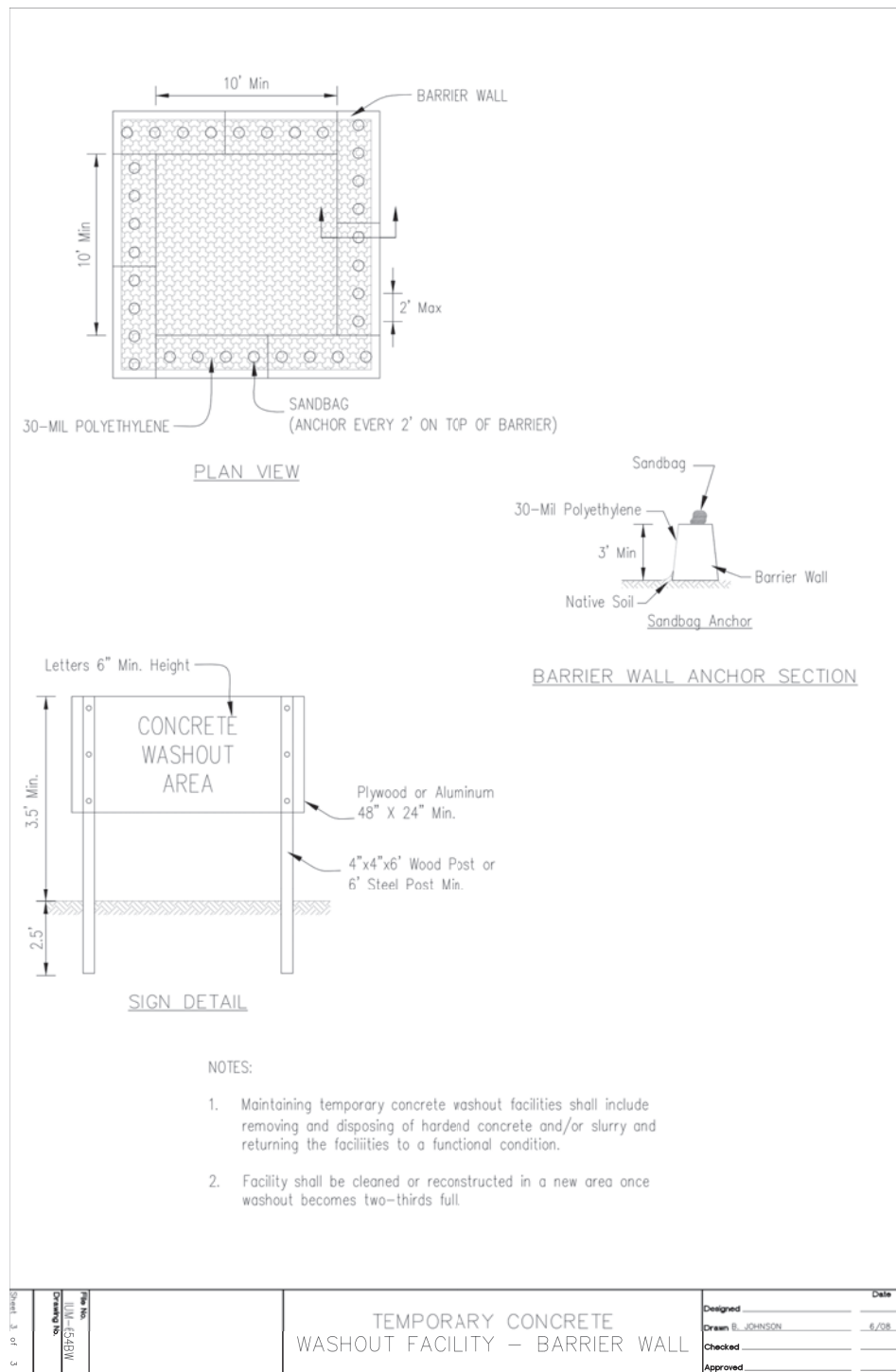
STANDARD DWG. NO.
IUM-620B(W)
SHEET 1 OF 1
DATE 3-16-2012

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Date	Revision	By
South Piscasaw Creek Connection Details		
CHECKED BY: KCB DATE: 2/7/2022	DRAWN BY: JAB DATE: 2/7/2022	Sheet 53 of 54



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Date	Revision	By
South Piskasaw Creek Connection Details		
CHECKED BY: KCB	DRAWN BY: JAB	Sheet 54 of 54
DATE: 2/7/2022	DATE: 2/7/2022	
PROJECT: BOONE COUNTY CHRYSLER RAMP SPCC CORR'CT		