

CITY OF EAST LIVERPOOL COL-EL RIVERFRONT TRAIL, PHASE 1.1

COLUMBIANA COUNTY, OHIO

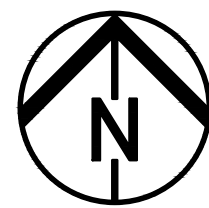
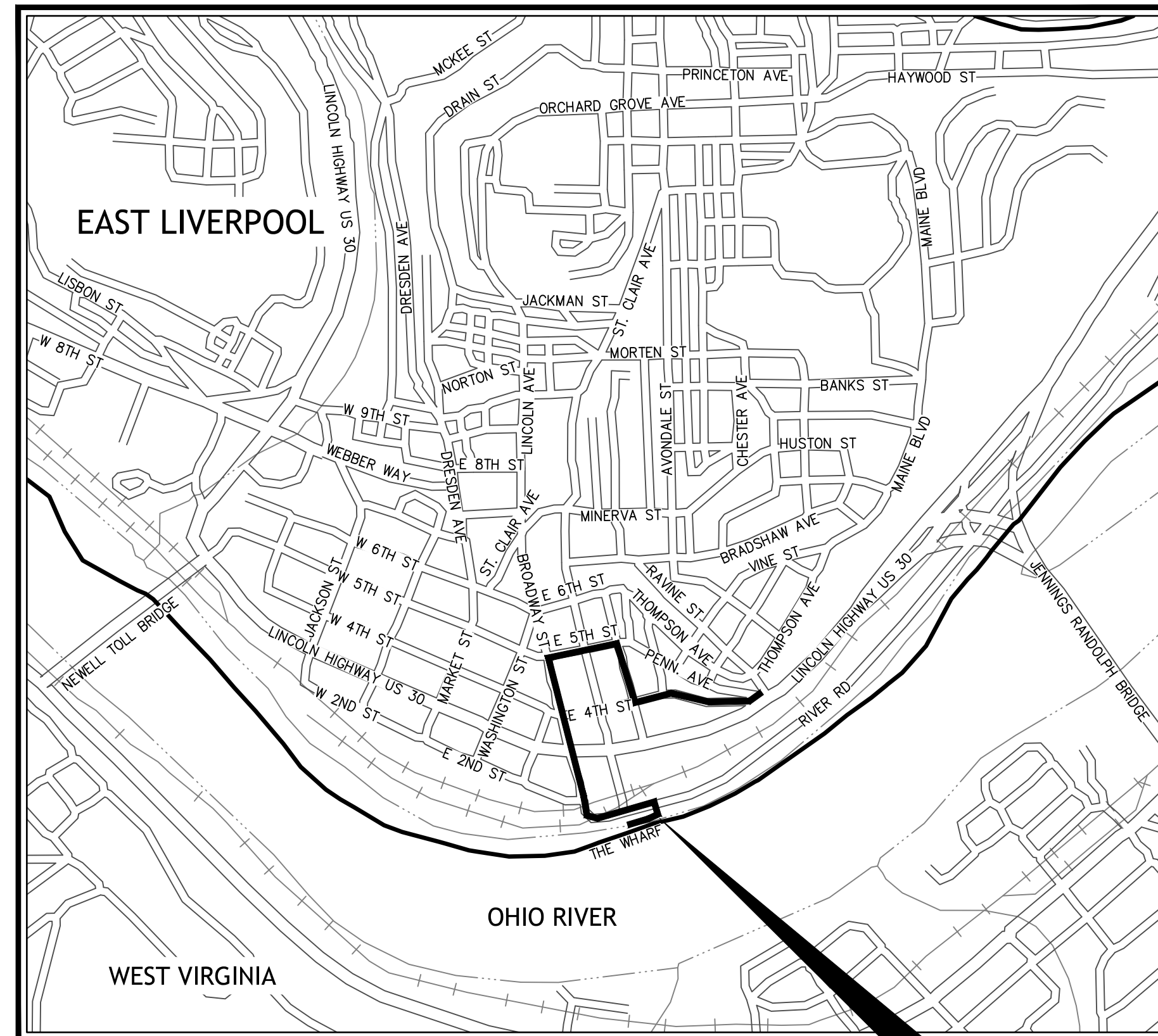
CITY OF EAST LIVERPOOL

STAGE 2 ISSUED: SEPTEMBER 13, 2024

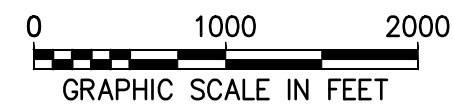
PID 117785, FEDERAL PROJECT NO. E230019

PLAN LEGEND

EXISTING	PROPOSED	
-----	-----	CENTERLINE/BASELINE CONSTRUCTION
-----	-----	CONSTRUCTION LIMITS
-----	-----	PROPERTY LINE
-----	-----	RIGHT OF WAY
-----	-----	EASEMENT
-----	-----	CONTOUR
-----	-----	FENCELINE
-----	-----	RAILROAD TRACKS
-----	-----	STORM SEWER
-----	-----	SANITARY SEWER
-----	-----	WATER LINE
-----	-----	GAS LINE
-----	-----	ELECTRIC LINE
-----	-----	TELEPHONE LINE (UNDERGROUND)
		STORM MANHOLES, CATCH BASINS, CURB INLETS
		SANITARY MANHOLE, CLEANOUT
		FIRE HYDRANT, WATER VALVE
		GAS VALVE, MARKER
		ELECTRIC MANHOLE, PULLBOX
		MONITORING WELL, GAS WELL, OIL WELL, CISTERN, SOIL BORING
		TELEPHONE MANHOLE, UNKNOWN MANHOLE
		UTILITY POLE, LIGHT POLE, GUY WIRE
		STREET SIGNS, STREET NAME SIGN, POST, MAILBOX, FLAG POLE, FLAG
		DECIDUOUS TREE, SHRUB, TREE REMOVED/PRUNED
		MONUMENT BOX, IRON PIN/PIPE



LOCATION MAP



PROJECT LOCATION

LAT: 40.615400
LONG: -80.575100

INDEX OF DRAWINGS

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DRIVE ENLARGEMENT	22-23

APPROVALS:

City of East Liverpool

ROBERT SMITH, MAYOR

Date

DESIGN DESIGNATION

DESIGN SPEED (BIKEWAY): 18 MPH
ADA DESIGN WAIVERS: NONE
DESIGN EXCEPTIONS: NONE

EARTH DISTURBED AREA

PROJECT EARTH DISTURBED AREA: 0.97 AC
ESTIMATED CONTRACTOR DISTURBED AREA: 0.15 AC
TOTAL NOI DISTURBED AREA: NOI NOT REQUIRED

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A 0.62 MILE SHARED USE PATH CONNECTING DOWNTOWN EAST LIVERPOOL OHIO TO THE OHIO RIVER RIVERFRONT ALONG VARIOUS ROUTES.

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THESE BID DOCUMENTS SHALL GOVERN THIS IMPROVEMENT WHERE NOTED ON THE PLANS AND IN THE PROJECT MANUAL. FOR PURPOSES OF THIS PLAN, REFERENCES TO DIRECTOR OR ENGINEER SHALL BE CONSTRUED TO MEAN THE CITY OF EAST LIVERPOOL AND/OR THEIR REPRESENTATIVES.

PLANS PREPARED AND RECOMMENDED BY:



AKRON / CLEVELAND / COLUMBUS
HQ 450 GRANT ST., AKRON, OH 44311
P 330.375.1390 / TF 800.835.1390
W ENVDESIGNGROUP.COM

REVISED:

SET NO. _____

PROJ. NUMBER	21-00267-010	TITLE SHEET	SHEET 1 of 23
DESIGNED BY:	HRD		
DRAWN BY:	HRD		
FILE NO.	ZTITL 21-00267-010.dwg		





**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

STAGE 2

DATE: _____

REVISIONS

Δ	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010

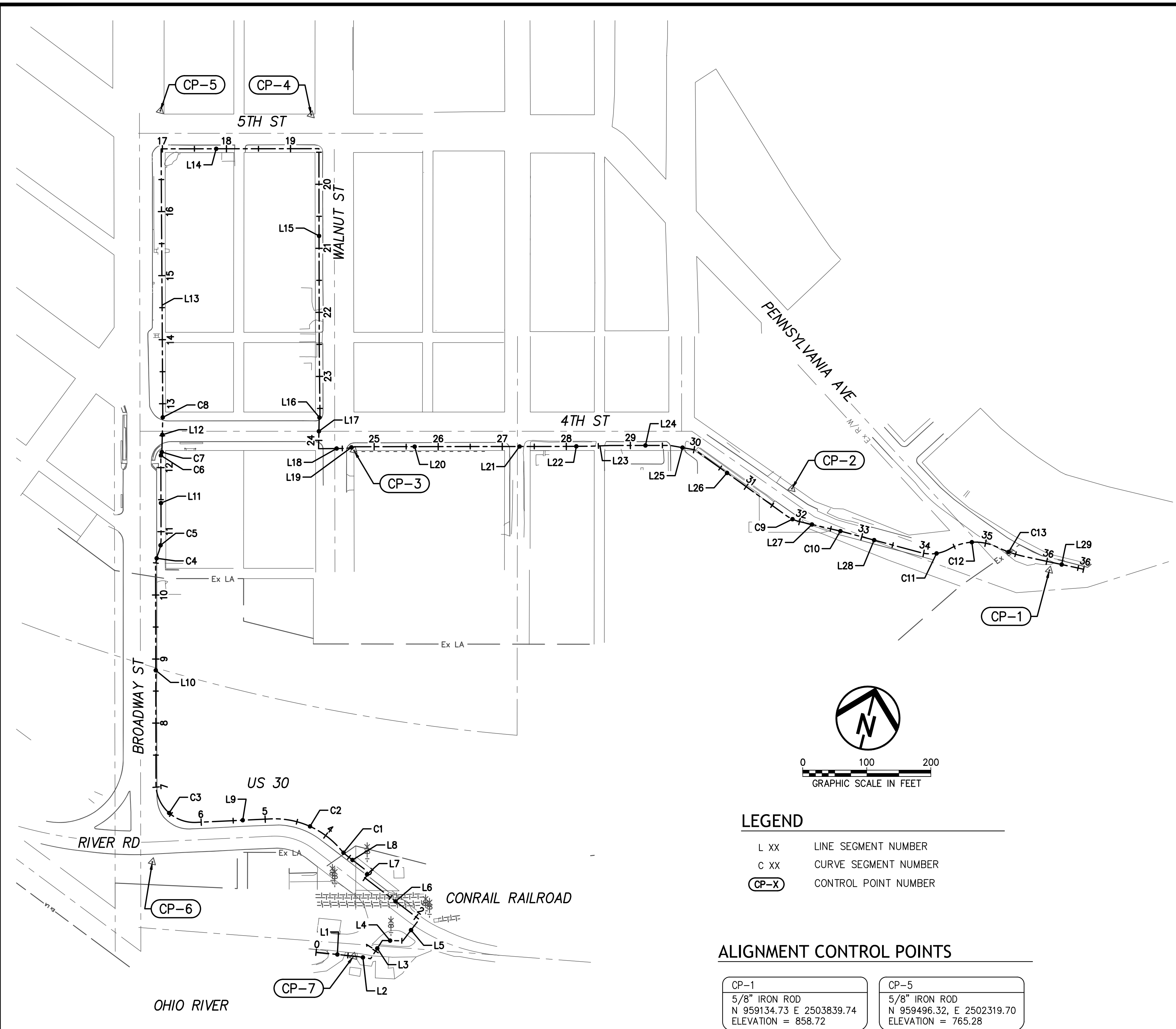
DRAWN BY: HRD

CHECKED BY: KTL

DATE ISSUED: 2024-09-24

SCHEMATIC PLAN

NOT FOR CONSTRUCTION



LEGEND

- L XX LINE SEGMENT NUMBER
- C XX CURVE SEGMENT NUMBER
- CP-X CONTROL POINT NUMBER

ALIGNMENT CONTROL POINTS

CP-1 5/8" IRON ROD N 959134.73 E 2503839.74 ELEVATION = 858.72	CP-5 5/8" IRON ROD N 959496.32 E 2502319.70 ELEVATION = 765.28
CP-2 5/8" IRON ROD N 959161.42 E 2503418.86 ELEVATION = 813.81	CP-6 5/8" IRON ROD N 958355.04 E 2502590.41 ELEVATION = 691.84
CP-3 5/8" IRON ROD N 959054.43 E 2502741.02 ELEVATION = 757.82	CP-7 5/8" IRON ROD N 958287.55 E 2502930.72 ELEVATION = 685.84
CP-4 5/8" IRON ROD N 959546.96 E 2502549.80 ELEVATION = 770.52	

CURVE TABLE

MARK	Δ	Dc	R	T	L	C	BEARING	PC	PT
C1	12°46'49"	95°29'35"	60.00'	6.72'	13.38'	13.36'	N 60°03'10" W	STA.3+53.49 N: 958437.46 E: 2502863.39	STA.3+66.88 N: 958444.13 E: 2502871.82
C2	53°00'08"	42°26'29"	135.00'	67.31'	124.88'	120.48'	N 80°09'50" W	STA.3+66.88 N: 958444.13 E: 2502871.82	STA.4+91.76 N: 958464.71 E: 2502753.11
C3	92°36'54"	95°29'35"	60.00'	62.80'	96.99'	86.77'	N 60°21'26" W	STA.6+07.78 N: 958431.44 E: 2502641.96	STA.7+04.77 N: 958474.36 E: 2502566.55
C4	21°50'49"	95°29'35"	60.00'	11.58'	22.88'	22.74'	N 03°07'35" W	STA.10+43.25 N: 958802.71 E: 2502484.38	STA.10+66.13 N: 958825.42 E: 2502483.14
C5	21°55'26"	95°29'35"	60.00'	11.62'	22.96'	22.82'	N 03°09'53" W	STA.10+66.13 N: 958825.42 E: 2502483.14	STA.10+89.09 N: 958848.20 E: 2502481.88
C6	19°23'40"	381°58'19"	15.00'	2.56'	5.08'	5.05'	N 04°25'46" W	STA.12+16.85 N: 958972.11 E: 2502450.70	STA.12+21.93 N: 958977.14 E: 2502450.31
C7	17°43'27"	381°58'19"	15.00'	2.34'	4.64'	4.62'	N 03°35'40" W	STA.12+21.93 N: 958977.14 E: 2502450.31	STA.12+26.57 N: 958981.76 E: 2502450.02
C8	1°51'16"	28°38'52"	200.00'	3.24'	6.47'	6.47'	N 13°23'02" W	STA.12+76.37 N: 959030.38 E: 2502439.28	STA.12+82.84 N: 959036.68 E: 2502437.78
C9	22°40'26"	95°29'35"	60.00'	12.03'	23.74'	23.59'	S 79°31'39" E	STA.31+76.71 N: 959118.67 E: 2503420.04	STA.32+00.46 N: 959114.39 E: 2503443.23
C10	1°55'10"	11°27'33"	500.00'	8.38'	16.75'	16.75'	S 89°54'18" E	STA.32+59.17 N: 959115.27 E: 2503501.94	STA.32+75.92 N: 959115.24 E: 2503518.69
C11	44°41'48"	95°29'35"	60.00'	24.67'	46.81'	45.63'	N 68°42'23" E	STA.33+95.16 N: 959113.05 E: 2503637.90	STA.34+41.96 N: 959129.62 E: 2503680.41
C12	55°11'13"	71°37'11"	80.00'	41.81'	77.06'	74.11'	N 73°57'06" E	STA.34+41.96 N: 959129.62 E: 2503680.41	STA.35+19.02 N: 959150.11 E: 2503751.64
C13	13°23'17"	28°38'52"	200.00'	23.47'	46.73'	46.63'	S 85°08'56" E	STA.35+19.02 N: 959150.11 E: 2503751.64	STA.35+65.75 N: 959146.16 E: 2503798.10

LINE TABLE

MARK	DIRECTION & LENGTH	START POINT	END POINT
L1	N 82°02'58" E 45.87'	STA.0+00.00 N: 958279.82 E: 2502872.44	STA.0+45.87 N: 958286.16 E: 2502917.87
L2	N 85°35'19" E 21.34'	STA.0+64.44 N: 958288.91 E: 2502936.24	STA.0+85.78 N: 958290.55 E: 2502957.52
L3	N 18°54'08" E 33.83'	STA.0+85.78 N: 958290.55 E: 2502957.52	STA.1+19.61 N: 958322.56 E: 2502968.48
L4	N 76°54'04" E 31.99'	STA.1+19.61 N: 958322.56 E: 2502968.48	STA.1+51.60 N: 958329.80 E: 2502999.63
L5	N 23°22'02" E 42.08'	STA.1+51.60 N: 958329.80 E: 2502999.63	STA.1+93.68 N: 958368.43 E: 2503016.32
L6	N 66°34'38" W 107.34'	STA.1+93.68 N: 958368.43 E: 2503016.32	STA.3+01.02 N: 958411.10 E: 2502917.83
L7	N 23°22'02" E 10.41'	STA.3+01.02 N: 958411.10 E: 2502917.83	STA.3+11.42 N: 958420.65 E: 2502921.96
L8	N 66°26'35" W 42.07'	STA.3+11.42 N: 958420.65 E: 2502921.96	STA.3+53.49 N: 958437.46 E: 2502863.39
L9	S 73°20'07" W 116.02'	STA.4+91.76 N: 958464.71 E: 2502753.11	STA.6+07.78 N: 958431.44 E: 2502641.96
L10	N 14°02'59" W 338.48'	STA.7+04.77 N: 958802.71 E: 2502484.38	STA.10+43.25 N: 958802.71 E: 2502484.38
L11	N 14°07'36" W 127.77'	STA.10+89.09 N: 958848.20 E: 2502481.88	STA.12+16.85 N: 958972.11 E: 2502450.70
L12	N 12°27'23" W 49.80'	STA.12+26.57 N: 958981.76 E: 2502450.02	STA.12+76.37 N: 959030.38 E: 2502439.28
L13	N 14°18'40" W 415.15'	STA.12+82.84 N: 959036.68 E: 2502437.78	STA.16+97.99 N: 959438.94 E: 2502335.16
L14	N 75°58'47" E 246.37'	STA.16+97.99 N: 959438.94 E: 2502335.16	STA.19+44.36 N: 959498.63 E: 2502574.19
L15	S 14°02'27" E 289.47'	STA.19+44.36 N: 959498.63 E: 2502574.19	STA.22+33.83 N: 959217.81 E: 2502644.42

LINE TABLE

MARK	DIRECTION & LENGTH	START POINT	END POINT
L16	S 05°28'48" E 8.83'	STA.23+58.91 N: 959096.71 E: 2502675.73	STA.23+67.73 N: 959087.92 E: 2502676.57
L17	S 12°51'58" E 45.22'	STA.23+67.73 N: 959087.92 E: 2502676.57	STA.24+12.96 N: 959043.84 E: 2502686.64
L18	N 75°30'19" E 43.76'	STA.24+12.96 N: 959043.84 E: 2502686.64	STA.24+56.71 N: 959054.79 E: 2502729.01
L19	N 63°37'04" E 12.16'	STA.24+56.71 N: 959054.79 E: 2502729.01	STA.24+68.88 N: 959060.19 E: 2502739.90
L20	N 75°56'54" E 188.03'	STA.24+68.88 N: 959060.19 E: 2502739.90	STA.26+56.91 N: 959105.85 E: 2502922.31
L21	N 75°59'26" E 133.75'	STA.26+56.91 N: 959105.85 E: 2502922.31	STA.27+90.66 N: 959138.23 E: 2503052.08
L22	N 75°34'40" E 47.53'	STA.27+90.66 N: 959138.23 E: 2503052.08	STA.28+38.19 N: 959150.06 E: 2503098.11
L23	N 73°53'04" E 29.75'	STA.28+38.19 N: 959150.06 E: 2503098.11	STA.28+67.94 N: 959158.32 E: 2503126.70
L24	N 76°00'10" E 94.13'	STA.28+67.94 N: 959158.32 E: 2503126.70	STA.29+62.07 N: 959181.09 E: 2503218.03
L25	N 86°04'09" E 39.38'	STA.29+62.07 N: 959181.09 E: 2503218.03	STA.30+01.45 N: 959183.79 E: 2503257.31
L26	S 68°11'26" E 175.27'	STA.30+01.45 N: 959183.79 E: 2503257.31	STA.31+76.71 N: 959118.67 E: 2503420.04
L27	N 89°08'07" E 58.71'	STA.32+00.46 N: 959114.39 E: 2503443.23	STA.32+59.17 N: 959115.27 E: 2503501.94
L28	S 88°56'43" E 119.23'	STA.32+75.92 N: 959115.24 E: 2503518.69	STA.33+95.16 N: 959113.05 E: 2503637.90
L29	N 88°09'26" E 93.04'	STA.35+65.75 N: 959146.16 E: 2503798.10	STA.36+58.79 N: 959149.16 E: 2503891.09

E:\EAST LIVERPOOL\11-00267-010 RIVER FRONT DESIGN\CAD\DESIGN\PHASE 1.1\11-00267-010 - 9/13/2024 5:52:28 PM

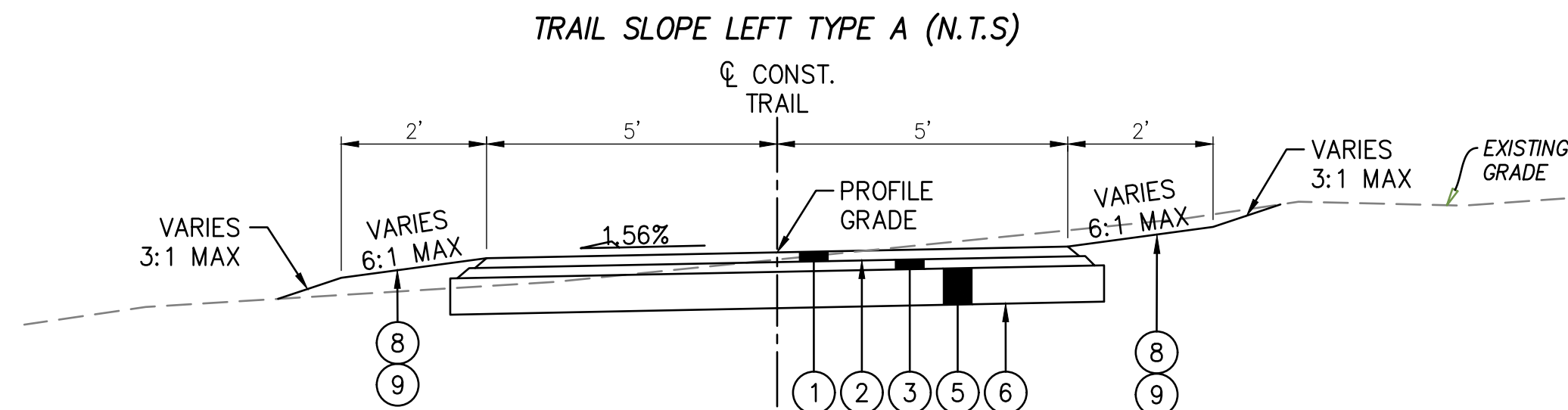
COL-EL-RIVERFRONT TRAIL, PHASE 1.1

811 Know what's below. Call before you dig.

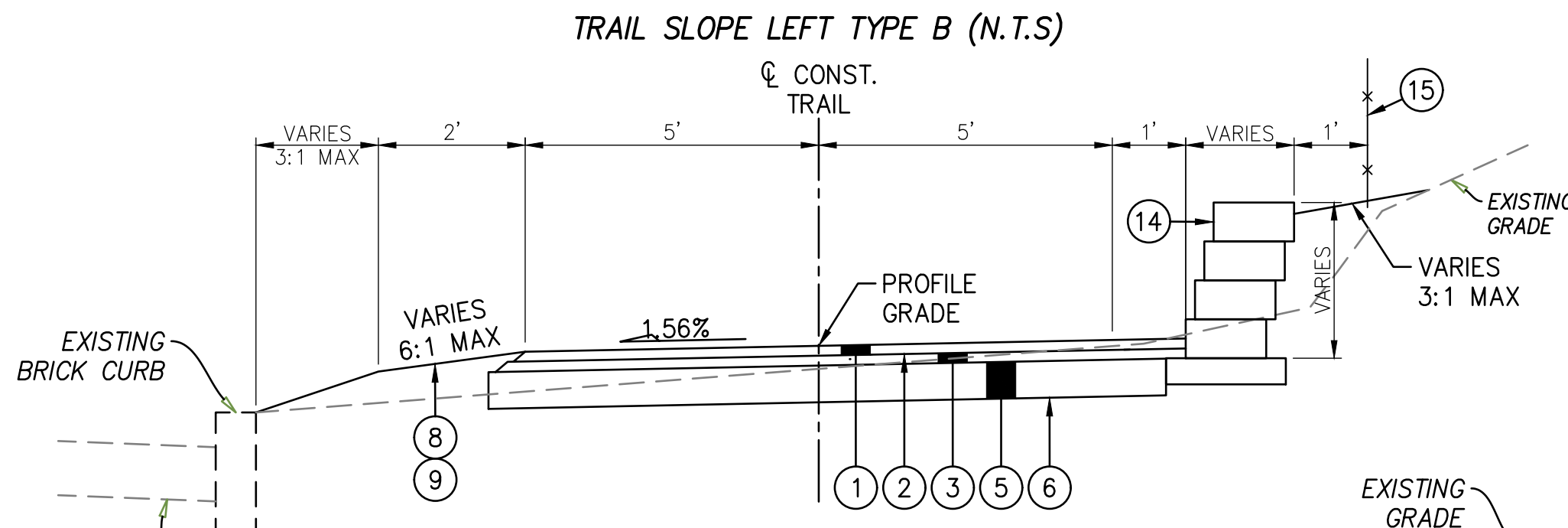
COL-EL RIVERFRONT TRAIL, PHASE 1.1
CITY OF EAST LIVERPOOL

STAGE 2

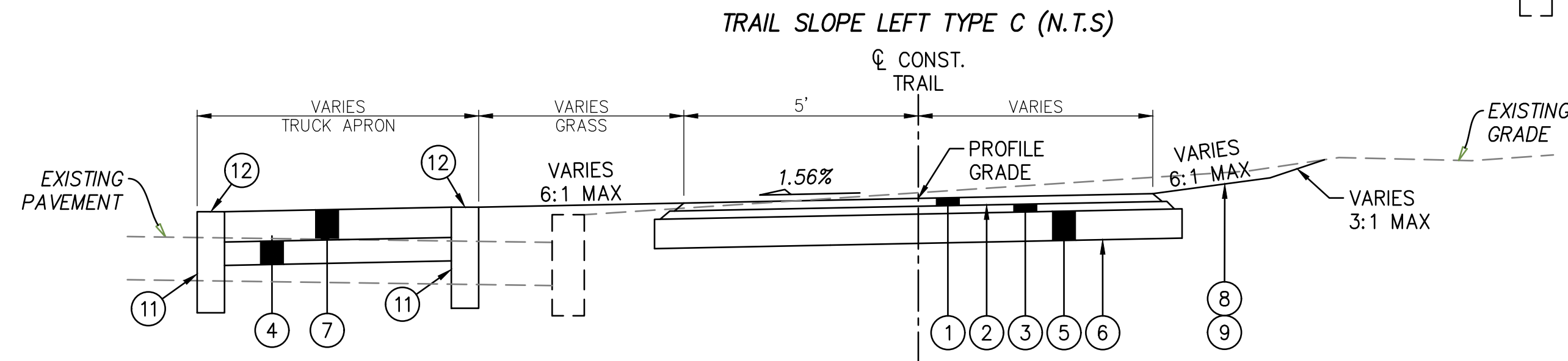
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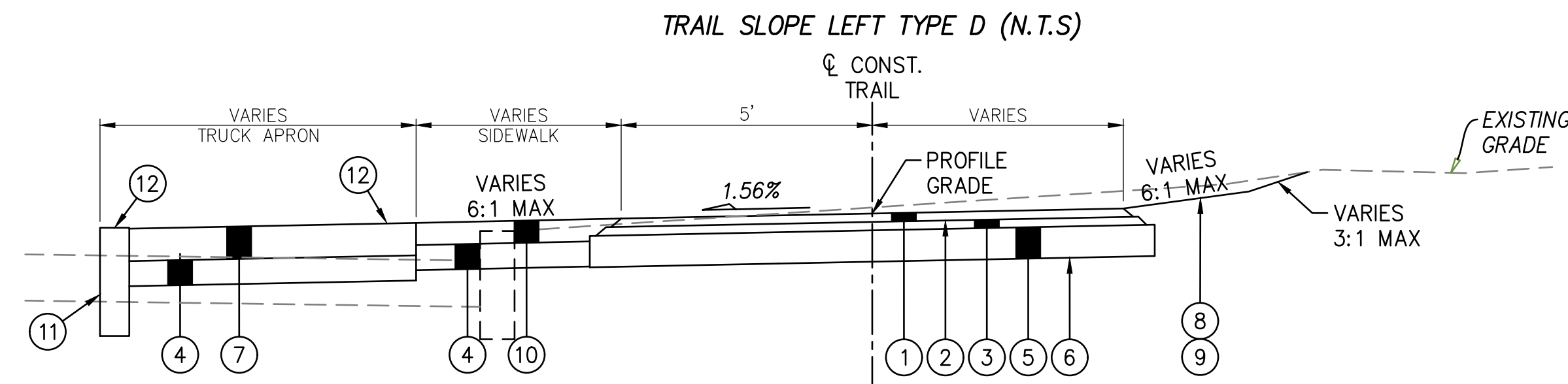
SECTION LIMITS
STA 3+21 TO STA 3+85



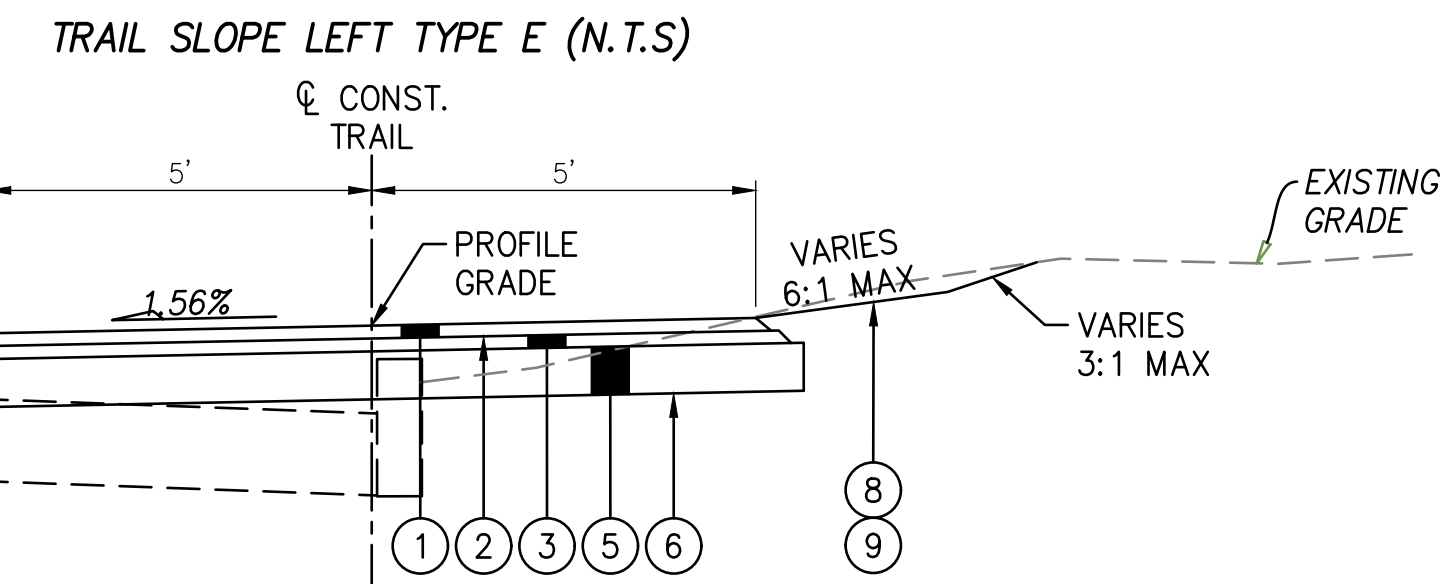
SECTION LIMITS
STA 3+85 TO STA 6+05



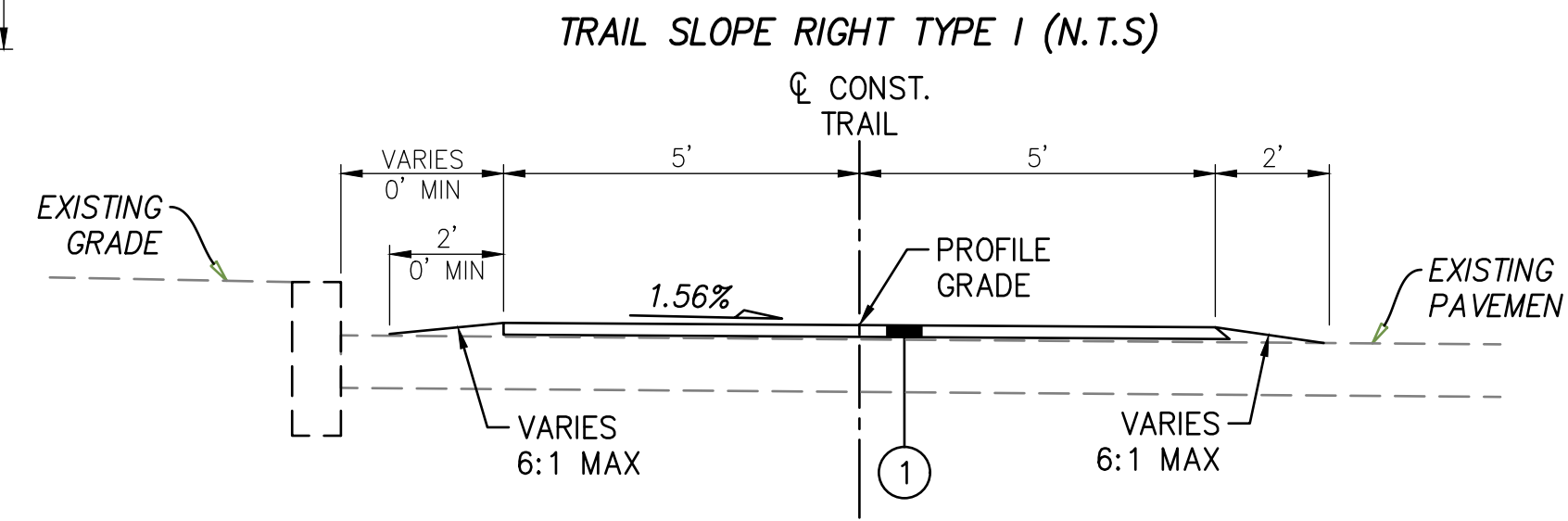
SECTION LIMITS
STA 06+05 TO STA 6+55



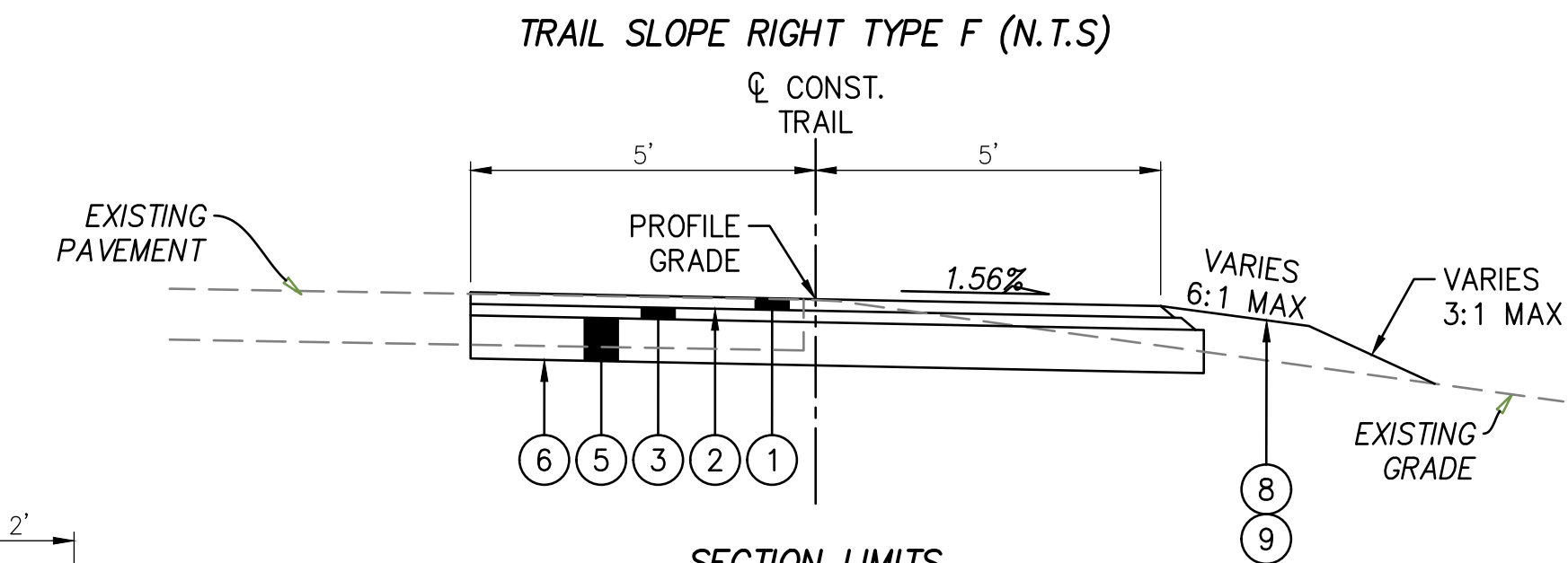
SECTION LIMITS
STA 06+55 TO STA 6+90



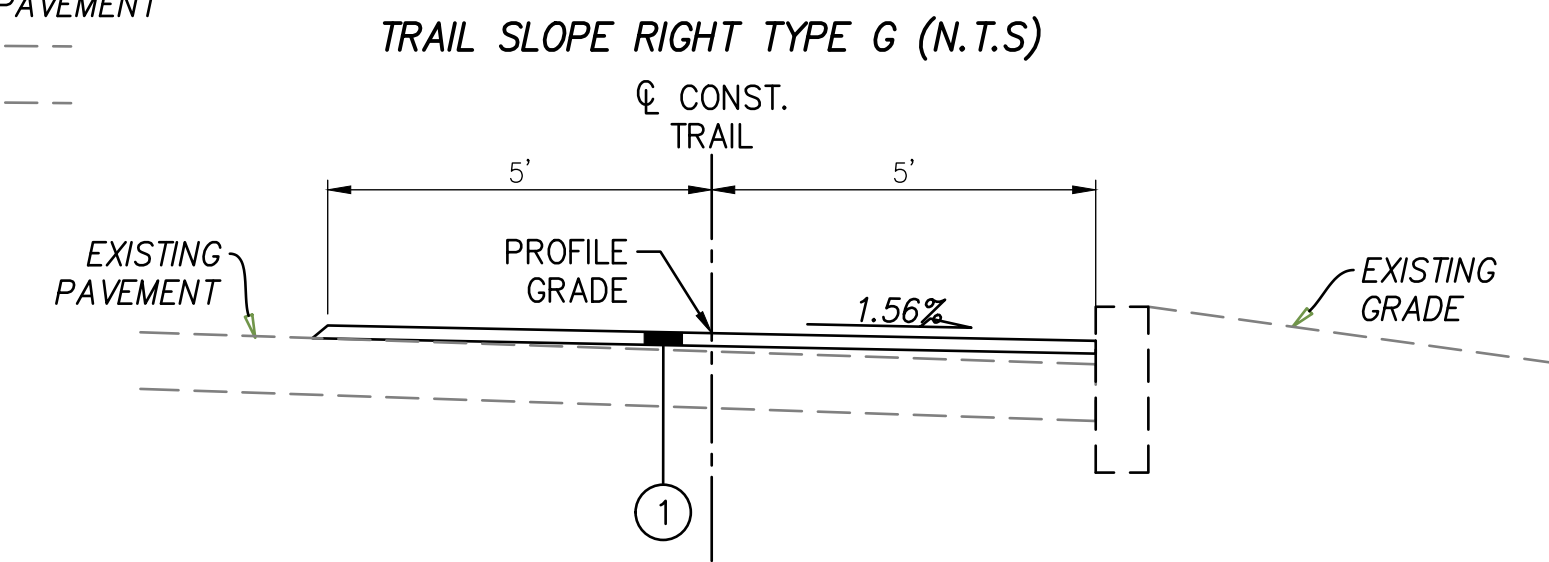
SECTION LIMITS
STA 06+90 TO STA 10+22



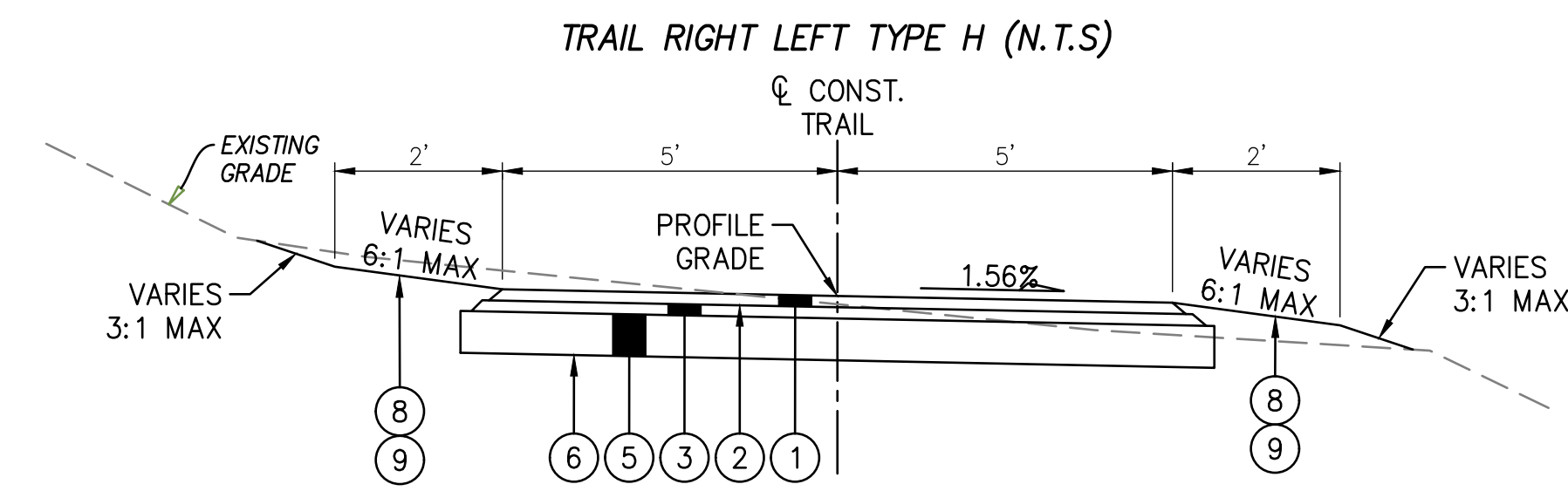
SECTION LIMITS
STA 35+20 TO STA 36+10



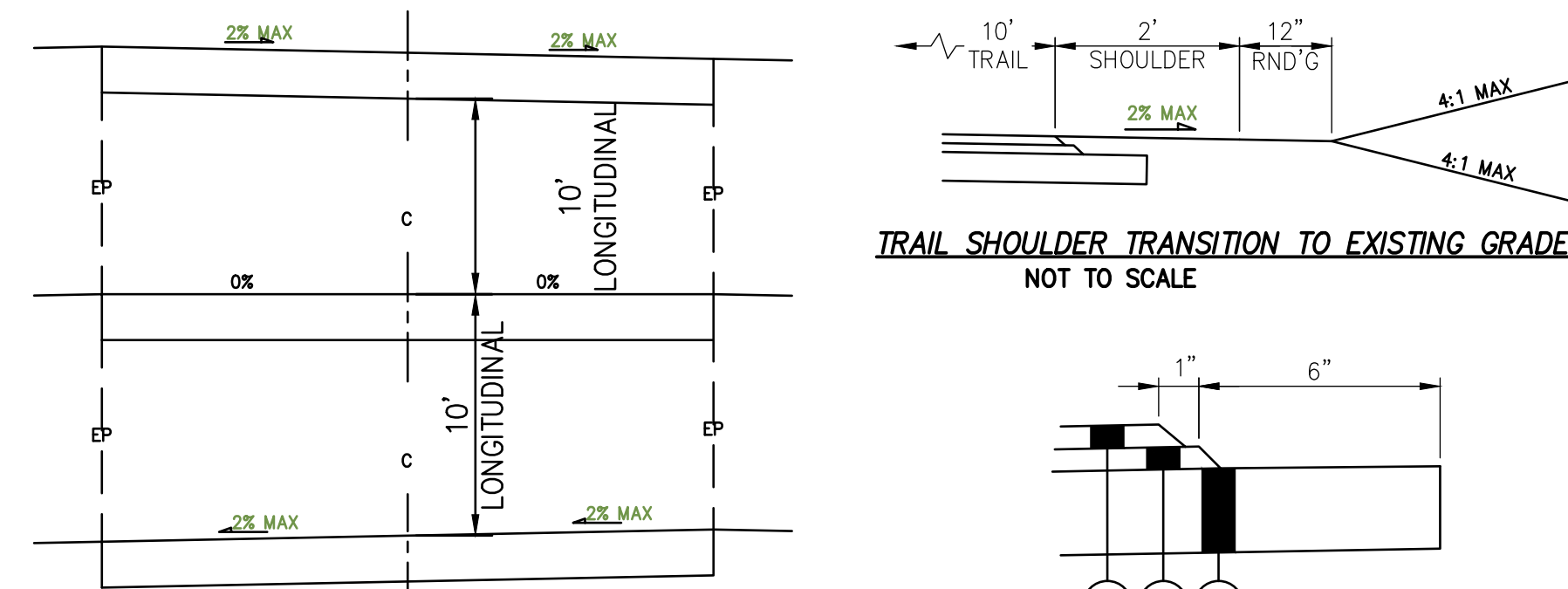
SECTION LIMITS
STA 29+95 TO STA 32+60



SECTION LIMITS
STA 32+60 TO STA 34+00



SECTION LIMITS
STA 34+00 TO STA 35+20



CROSS SLOPE TRANSITION DETAIL
PROVIDE MINIMUM 20' TRANSITION WHEN CHANGING DIRECTION OF PAVEMENT CROSS SLOPE

ASPHALT TRAIL PAVEMENT STEP DETAIL

LEGEND

- | | |
|--|---|
| ① ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449) | ⑨ ITEM 653 - 3" TOPSOIL, FURNISHED AND PLACED |
| ② ITEM 407 - NON-TRACKING TACK COAT (APPLIED AT 0.055 GAL/SY) | ⑩ ITEM 608 - 4" CONCRETE WALK, AS PER PLAN |
| ③ ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449) | ⑪ ITEM 255 - FULL DEPTH PAVEMENT SAWING |
| ④ ITEM 304 - 4" AGGREGATE BASE | ⑫ ITEM 609 - CURB, TYPE 6 |
| ⑤ ITEM 304 - 6" AGGREGATE BASE | ⑬ ITEM 605 - 4" BASE PIPE UNDERDRAINS |
| ⑥ ITEM 204 - SUBGRADE COMPACTION | ⑭ GRAVITY RETAINING WALL |
| ⑦ ITEM 608 - 8" HEAVY DUTY CONCRETE, AS PER PLAN | ⑮ CHAINLINK FENCE |
| ⑧ ITEM 659 - SEEDING AND MULCHING (UNLESS OTHERWISE SHOWN ON PLAN) | |

DATE: _____

REVISIONS	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010
DRAWN BY: HRD
CHECKED BY: KTL
DATE ISSUED: 2024-09-24

TYPICAL SECTIONS

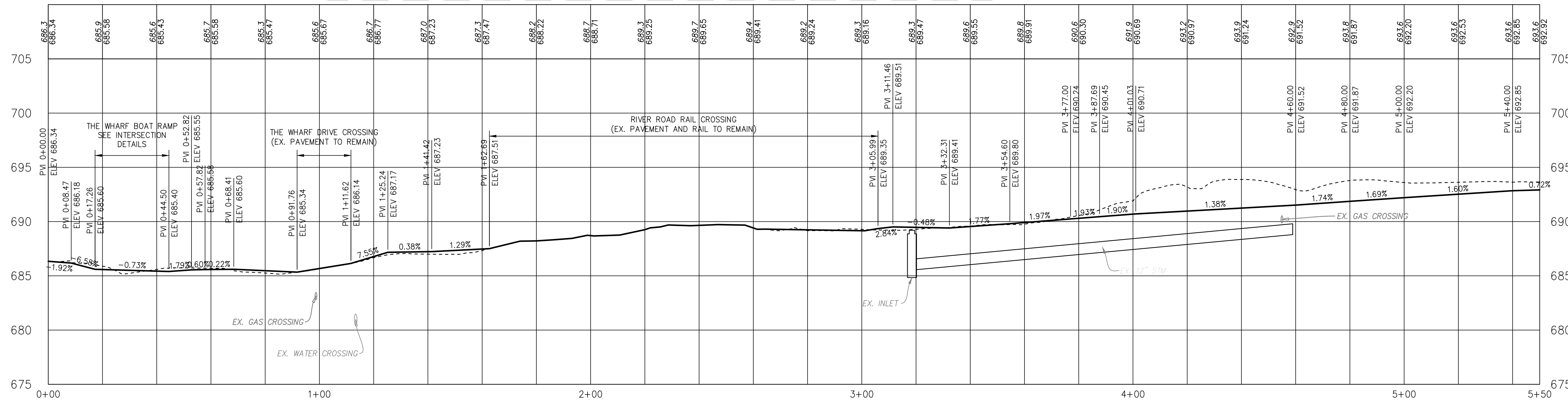
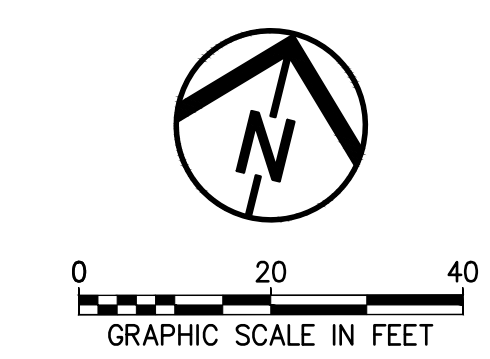
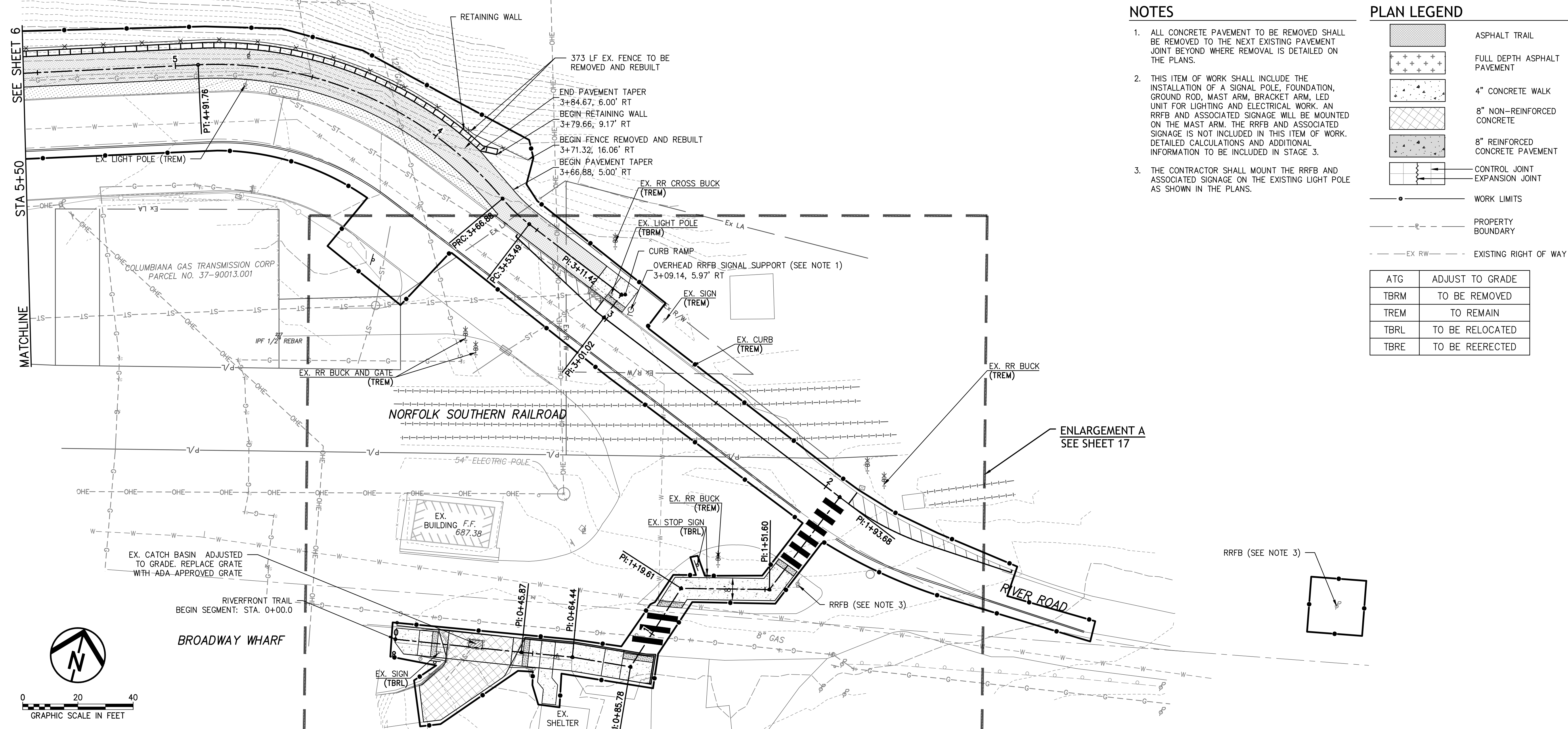
NOTES

1. ALL CONCRETE PAVEMENT TO BE REMOVED SHALL BE REMOVED TO THE NEXT EXISTING PAVEMENT JOINT BEYOND WHERE REMOVAL IS DETAILED ON THE PLANS.
2. THIS ITEM OF WORK SHALL INCLUDE THE INSTALLATION OF A SIGNAL POLE, FOUNDATION, GROUND ROD, MAST ARM, BRACKET ARM, LED UNIT FOR LIGHTING AND ELECTRICAL WORK. AN RRFB AND ASSOCIATED SIGNAGE WILL BE MOUNTED ON THE MAST ARM. THE RRFB AND ASSOCIATED SIGNAGE IS NOT INCLUDED IN THIS ITEM OF WORK. DETAILED CALCULATIONS AND ADDITIONAL INFORMATION TO BE INCLUDED IN STAGE 3.
3. THE CONTRACTOR SHALL MOUNT THE RRFB AND ASSOCIATED SIGNAGE ON THE EXISTING LIGHT POLE AS SHOWN IN THE PLANS.

PLAN LEGEND

	ASPHALT TRAIL
	FULL DEPTH ASPHALT PAVEMENT
	4" CONCRETE WALK
	8" NON-REINFORCED CONCRETE
	8" REINFORCED CONCRETE PAVEMENT
	CONTROL JOINT EXPANSION JOINT
	WORK LIMITS
	PROPERTY BOUNDARY
	EXISTING RIGHT OF WAY

ATG	ADJUST TO GRADE
TBRM	TO BE REMOVED
TREM	TO REMAIN
TBRL	TO BE RELOCATED
TBRE	TO BE REERECTED



**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

STAGE 2

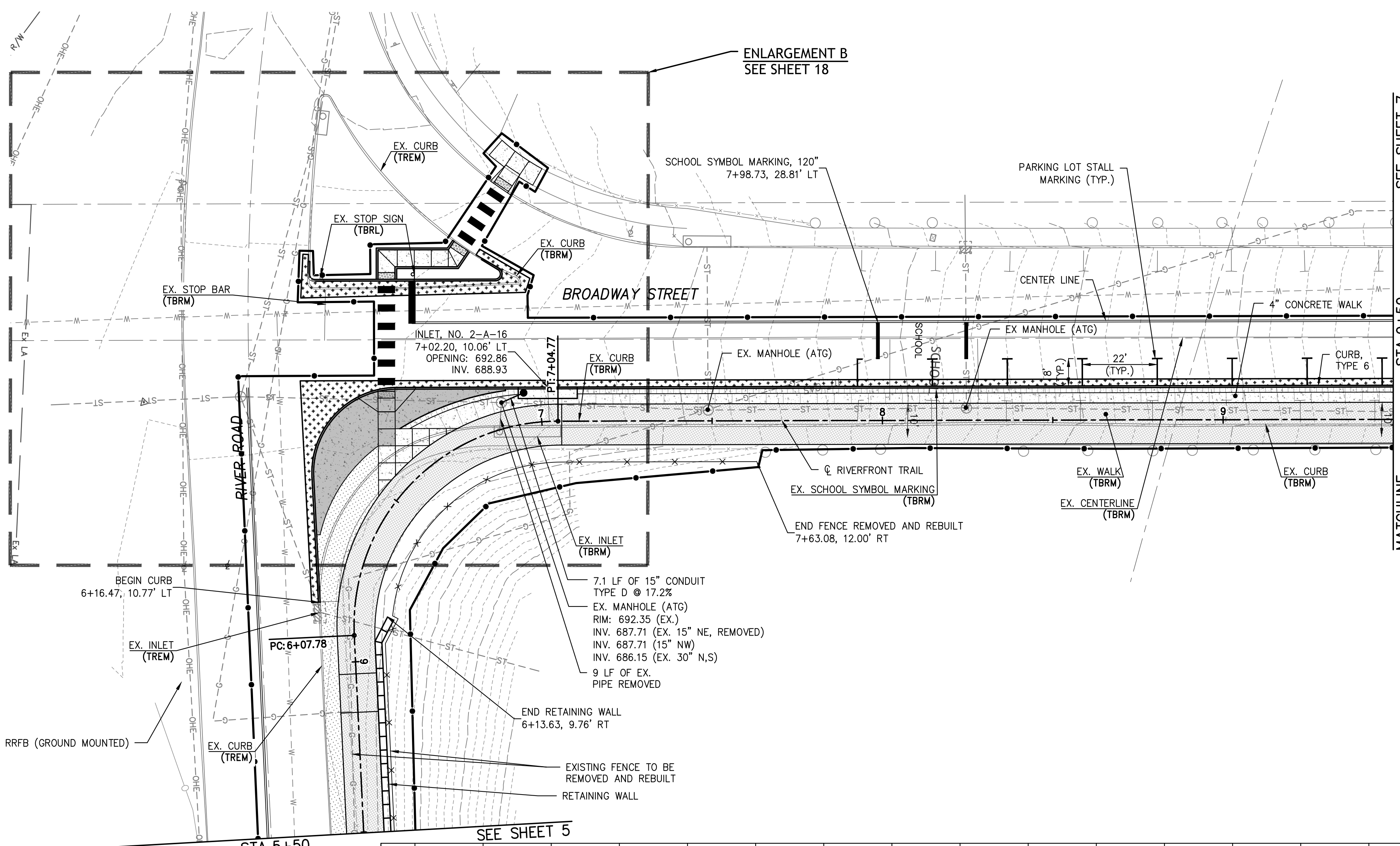
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REVISIONS		
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PLAN AND PROFILE

NOT FOR CONSTRUCTION



NOTES

1. ALL CONCRETE PAVEMENT TO BE REMOVED SHALL BE REMOVED TO THE NEXT EXISTING PAVEMENT JOINT BEYOND WHERE REMOVAL IS DETAILED ON THE PLANS.

PLAN LEGEND

- ASPHALT TRAIL
- FULL DEPTH ASPHALT PAVEMENT
- 4" CONCRETE WALK
- 8" NON-REINFORCED CONCRETE
- 8" REINFORCED CONCRETE PAVEMENT
- CONTROL JOINT EXPANSION JOINT

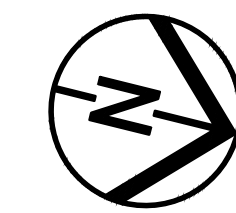
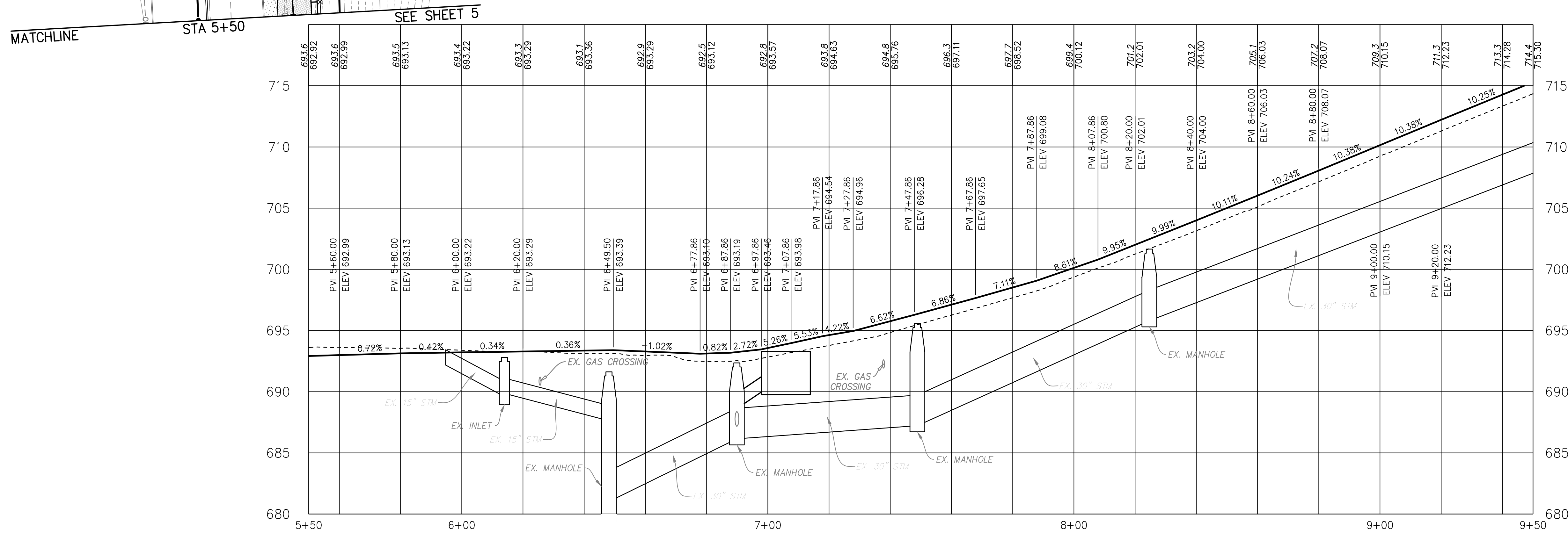
- WORK LIMITS
- PROPERTY BOUNDARY
- EX RW - EXISTING RIGHT OF WAY

ATG	ADJUST TO GRADE
TBRM	TO BE REMOVED
TREM	TO REMAIN
TBRL	TO BE RELOCATED
TBRE	TO BE REERECTED



COL-EL RIVERFRONT TRAIL, PHASE 1.1 CITY OF EAST LIVERPOOL

STAGE 2



0 20 40
GRAPHIC SCALE IN FEET

DATE: _____

REVISIONS		
NO.	DATE	DESCRIPTION



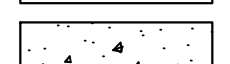
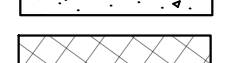

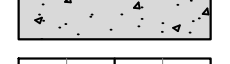

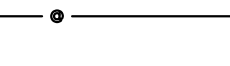
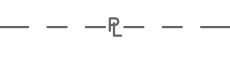

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CHECKED BY: KTL
DATE ISSUED: 2024-09-24

PLAN AND PROFILE

NOT FOR CONSTRUCTION

E:\EAST LIVERPOOL\1232245-010 RIVER FRONT DESIGN\CADD\DESIGN\PHASE 2\1232245-010- 91132245-5328.dwg

PLAN LEGEND

-  ASPHALT TRAIL
-  FULL DEPTH ASPHALT PAVEMENT
-  4" CONCRETE WALK
-  8" NON-REINFORCED CONCRETE
-  8" REINFORCED CONCRETE PAVEMENT
-  CONTROL JOINT
-  EXPANSION JOINT
-  WORK LIMITS
-  PROPERTY BOUNDARY
-  EX RW EXISTING RIGHT OF WAY

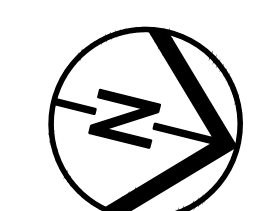
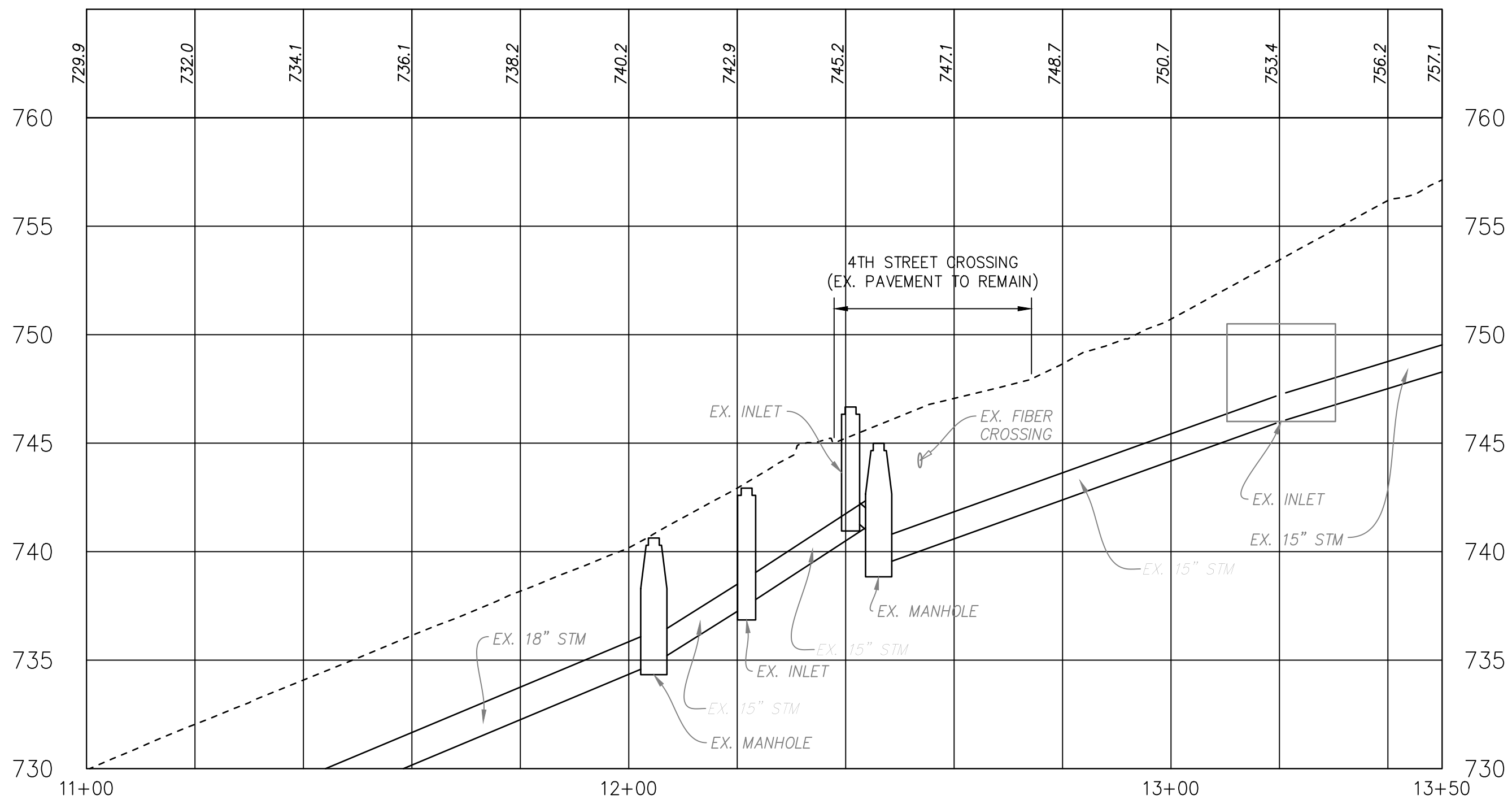
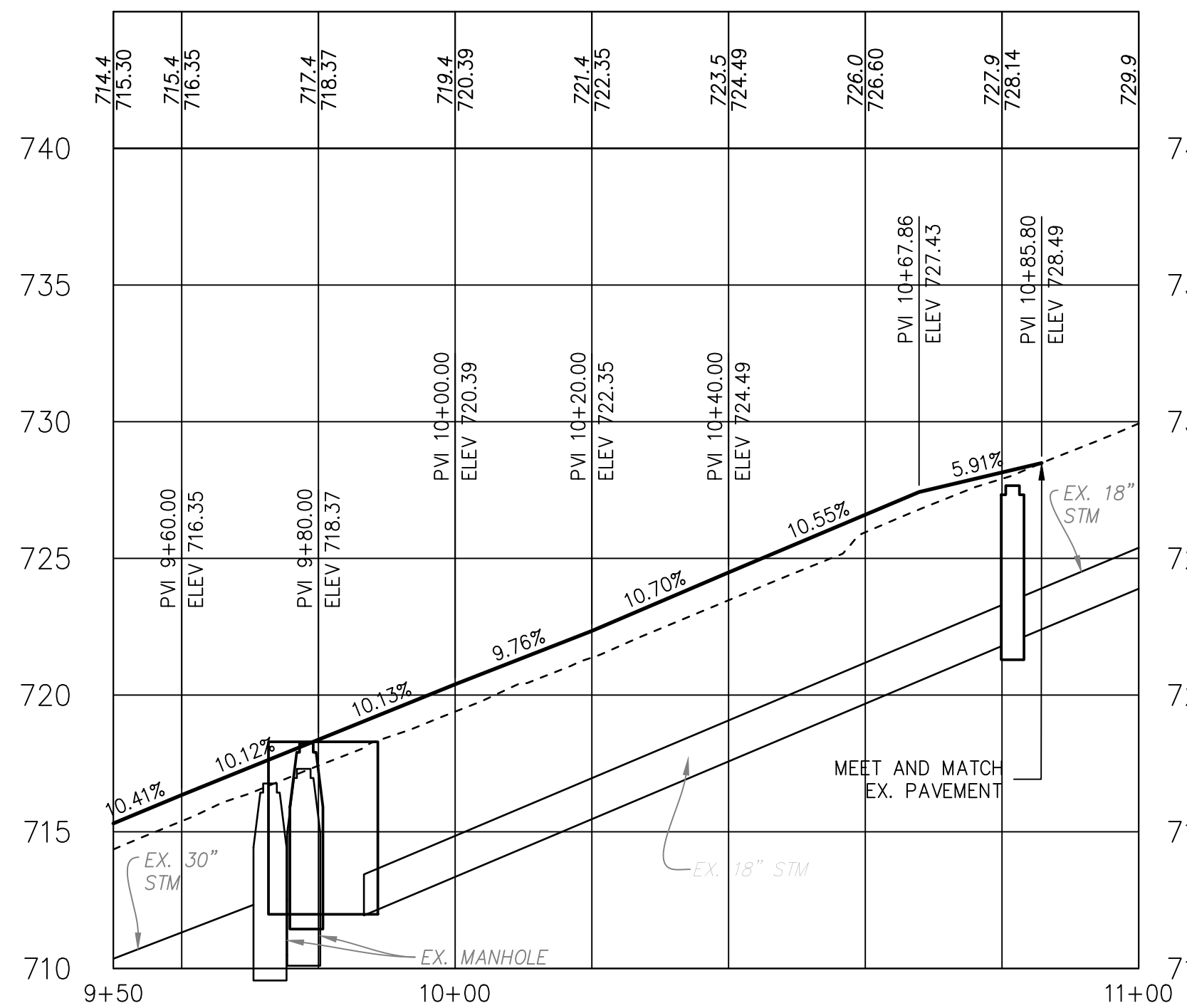
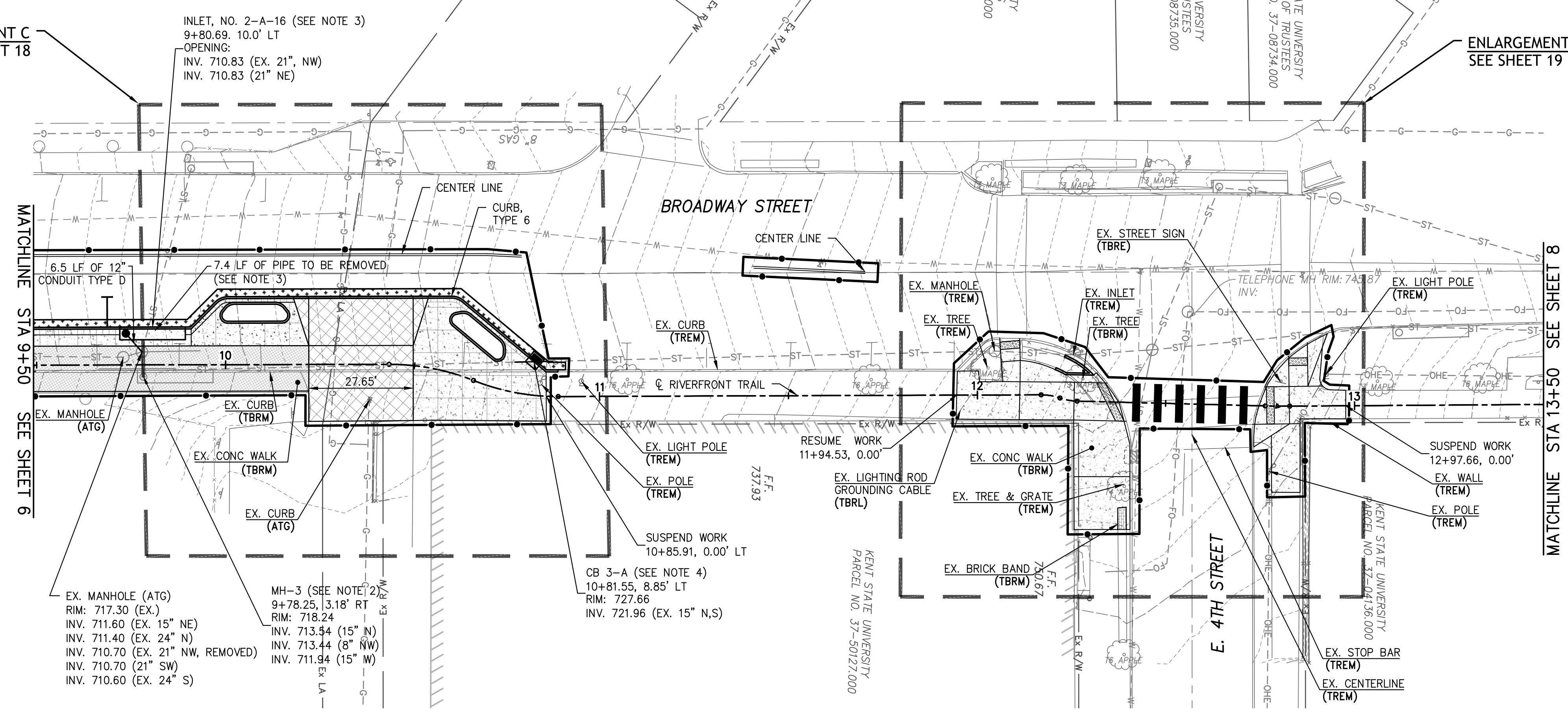
ATG	ADJUST TO GRADE
TBRM	TO BE REMOVED
TREM	TO REMAIN
TBRL	TO BE RELOCATED
TBRE	TO BE REERECTED

NOTES

- ALL CONCRETE PAVEMENT TO BE REMOVED SHALL BE REMOVED TO THE NEXT EXISTING PAVEMENT JOINT BEYOND WHERE REMOVAL IS DETAILED ON THE PLANS.
- CONTRACTOR SHALL REMOVE EXISTING INLET AND INSTALL THE PROPOSED MANHOLE NO. 3. CONNECT ALL EXISTING PIPES FROM THE INLET TO THE MANHOLE NO. 3. USE THREE DM-1.1 MASONRY COLLARS, 5 LF OF 8" CONDUIT, TYPE D AND 10 LF OF 15" CONDUIT, TYPE D TO MAKE THESE CONNECTIONS.
- CONTRACTOR SHALL REMOVE EXISTING 21" PIPE AS NECESSARY TO INSTALL PROPOSED INLET NO. 2-A-16. RECONNECT EXISTING 21" PIPE TO PROPOSED INLET NO. 2-A-16. USE ONE DM-1.1 MASONRY COLLARS AND 5 LF OF 21" CONDUIT, TYPE B TO MAKE THIS CONNECTION.
- CONTRACTOR SHALL INSTALL PROPOSED CB 3-A ON EXISTING 15" STORM SEWER. USE TWO DM-1.1 MASONRY COLLARS AND 10 LF OF 15" CONDUIT, TYPE B TO MAKE THIS CONNECTION.

ENLARGEMENT C
SEE SHEET 18

ENLARGEMENT D
SEE SHEET 19



0 20 40
GRAPHIC SCALE IN FEET

**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

STAGE 2

DATE: _____

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010
 DRAWN BY: HRD
 CHECKED BY: KTL
 DATE ISSUED: 2024-09-24

PLAN AND PROFILE

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NOT FOR CONSTRUCTION

**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

STAGE 2

DATE: _____



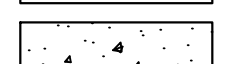
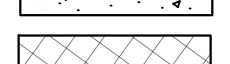

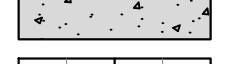

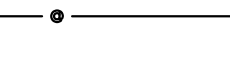
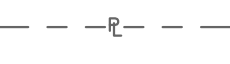

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010
 DRAWN BY: HRD
 CHECKED BY: KTL
 DATE ISSUED: 2024-09-24

PLAN AND PROFILE

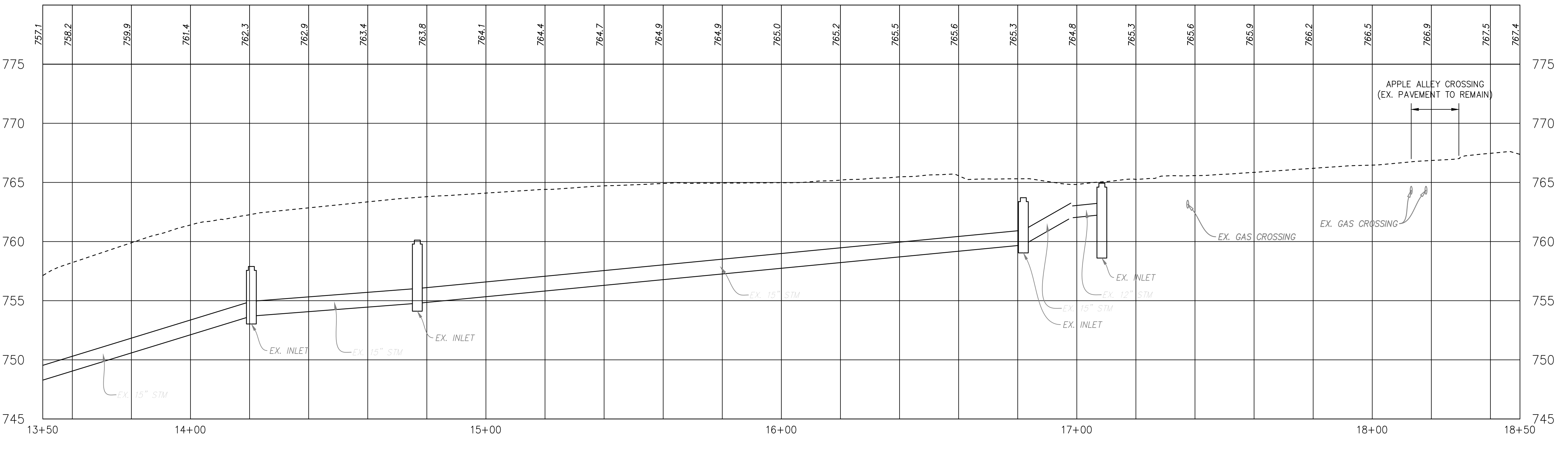
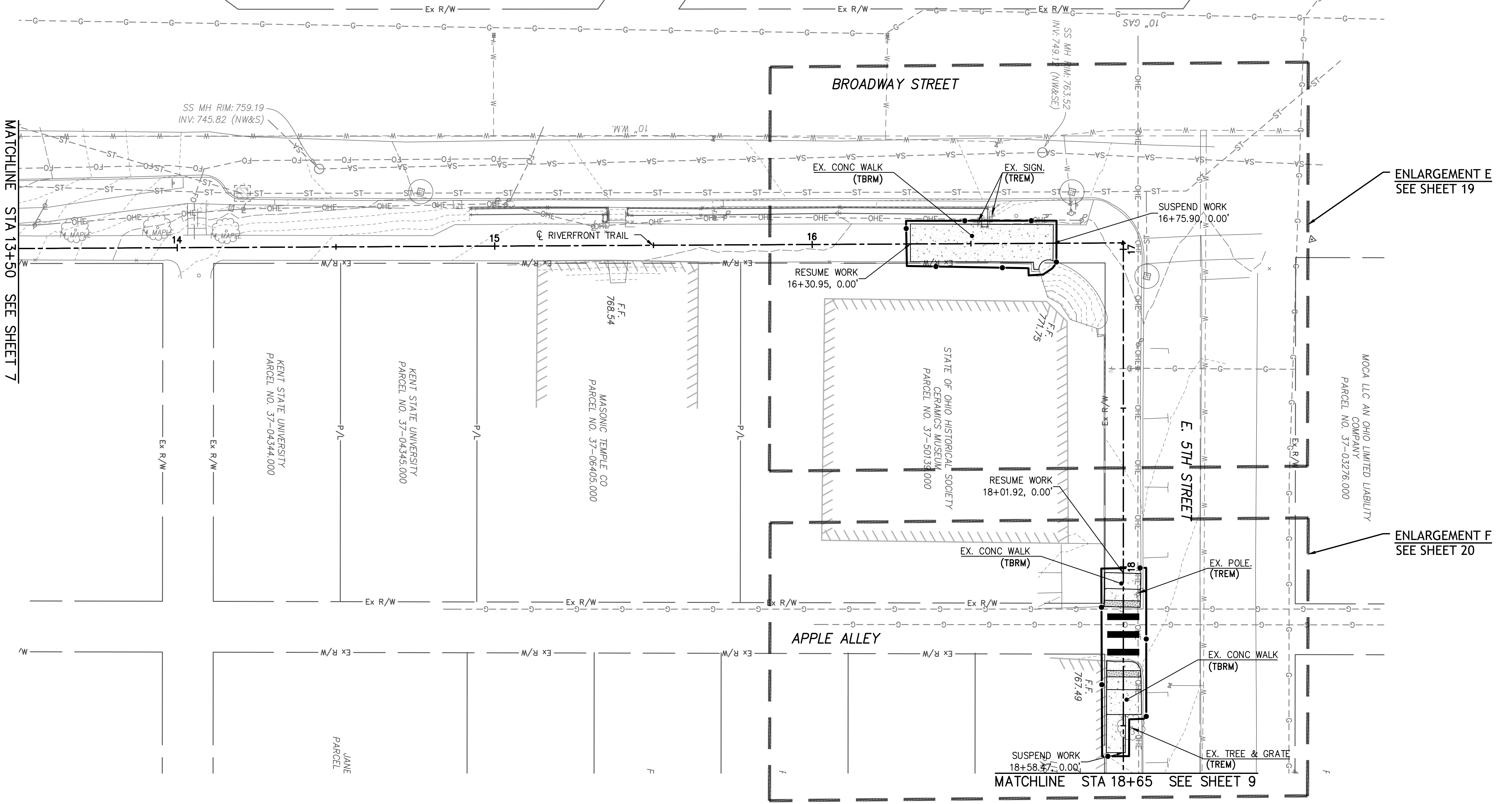
NOT FOR CONSTRUCTION

PLAN LEGEND

-  ASPHALT TRAIL
 -  FULL DEPTH ASPHALT PAVEMENT
 -  4" CONCRETE WALK
 -  8" NON-REINFORCED CONCRETE
 -  8" REINFORCED CONCRETE PAVEMENT
 -  CONTROL JOINT
 -  EXPANSION JOINT
 -  WORK LIMITS
 -  PROPERTY BOUNDARY
 -  EX RW EXISTING RIGHT OF WAY
- | | |
|------|-----------------|
| ATG | ADJUST TO GRADE |
| TBRM | TO BE REMOVED |
| TREM | TO REMAIN |
| TBRL | TO BE RELOCATED |
| TBRE | TO BE REERECTED |



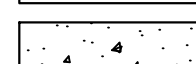
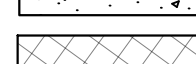

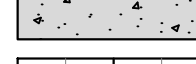
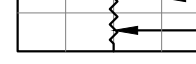
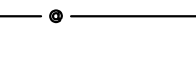
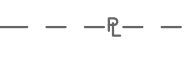

NOTES

- ALL CONCRETE PAVEMENT TO BE REMOVED SHALL BE REMOVED TO THE NEXT EXISTING PAVEMENT JOINT BEYOND WHERE REMOVAL IS DETAILED ON THE PLANS.



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PLAN LEGEND

-  ASPHALT TRAIL
-  FULL DEPTH ASPHALT PAVEMENT
-  4" CONCRETE WALK
-  8" NON-REINFORCED CONCRETE
-  8" REINFORCED CONCRETE PAVEMENT
-  CONTROL JOINT
-  EXPANSION JOINT
-  WORK LIMITS
-  PROPERTY BOUNDARY
-  EX RW

ATG	ADJUST TO GRADE
TBRM	TO BE REMOVED
TREM	TO REMAIN
TBRL	TO BE RELOCATED
TBRE	TO BE REERECTED

NOTES

- ALL CONCRETE PAVEMENT TO BE REMOVED SHALL BE REMOVED TO THE NEXT EXISTING PAVEMENT JOINT BEYOND WHERE REMOVAL IS DETAILED ON THE PLANS.
- CONTRACTOR SHALL INSTALL PROPOSED CB 2-2B ON EXISTING STORM SEWER. EXISTING STORM SEWER SIZE AND DEPTH IS UNKNOWN. CONTRACTOR SHALL EXCAVATE TO DETERMINE THE EXISTING PIPE SIZE AND DEPTH AND UTILIZE TWO DM-1.1 MASONRY COLLARS AND 10 LF OF CONDUIT, TYPE C THAT MATCHES THE SIZE OF THE EXISTING PIPE TO MAKE EACH CONNECTION.

**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

STAGE 2

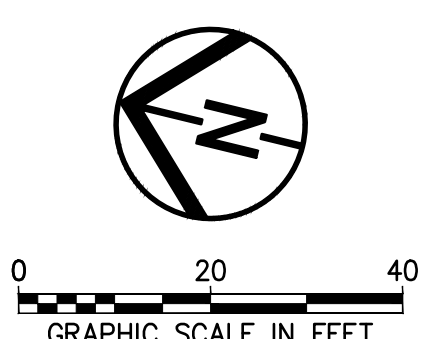
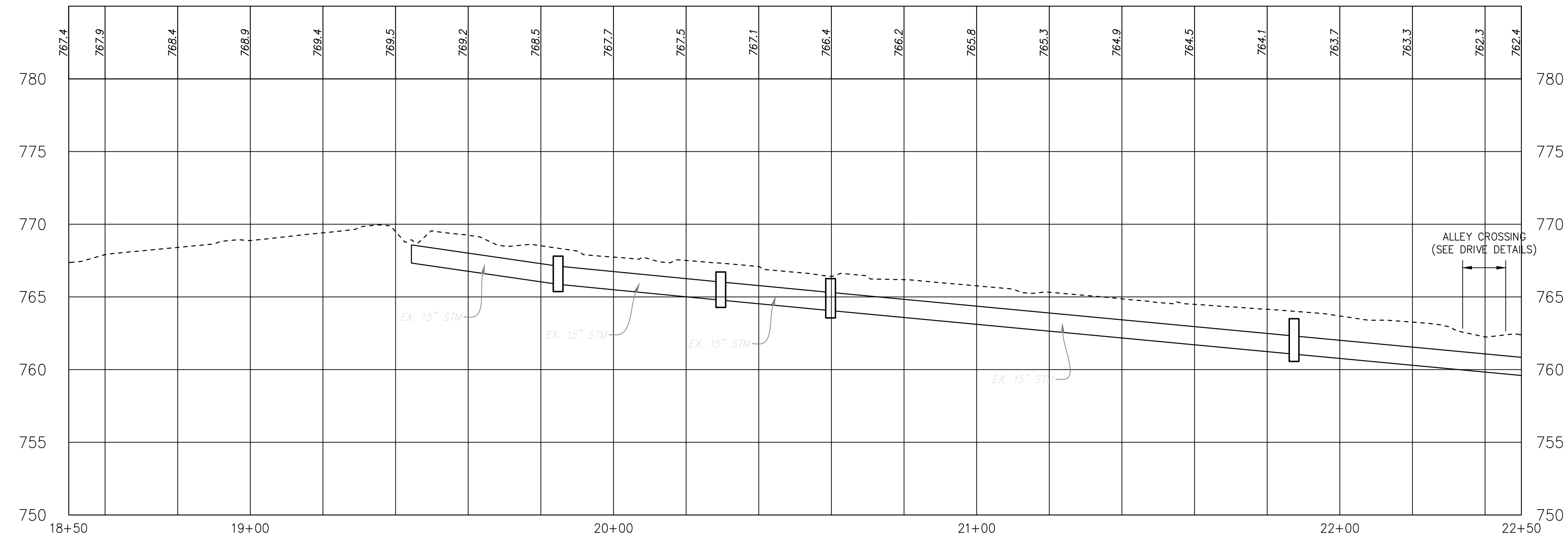
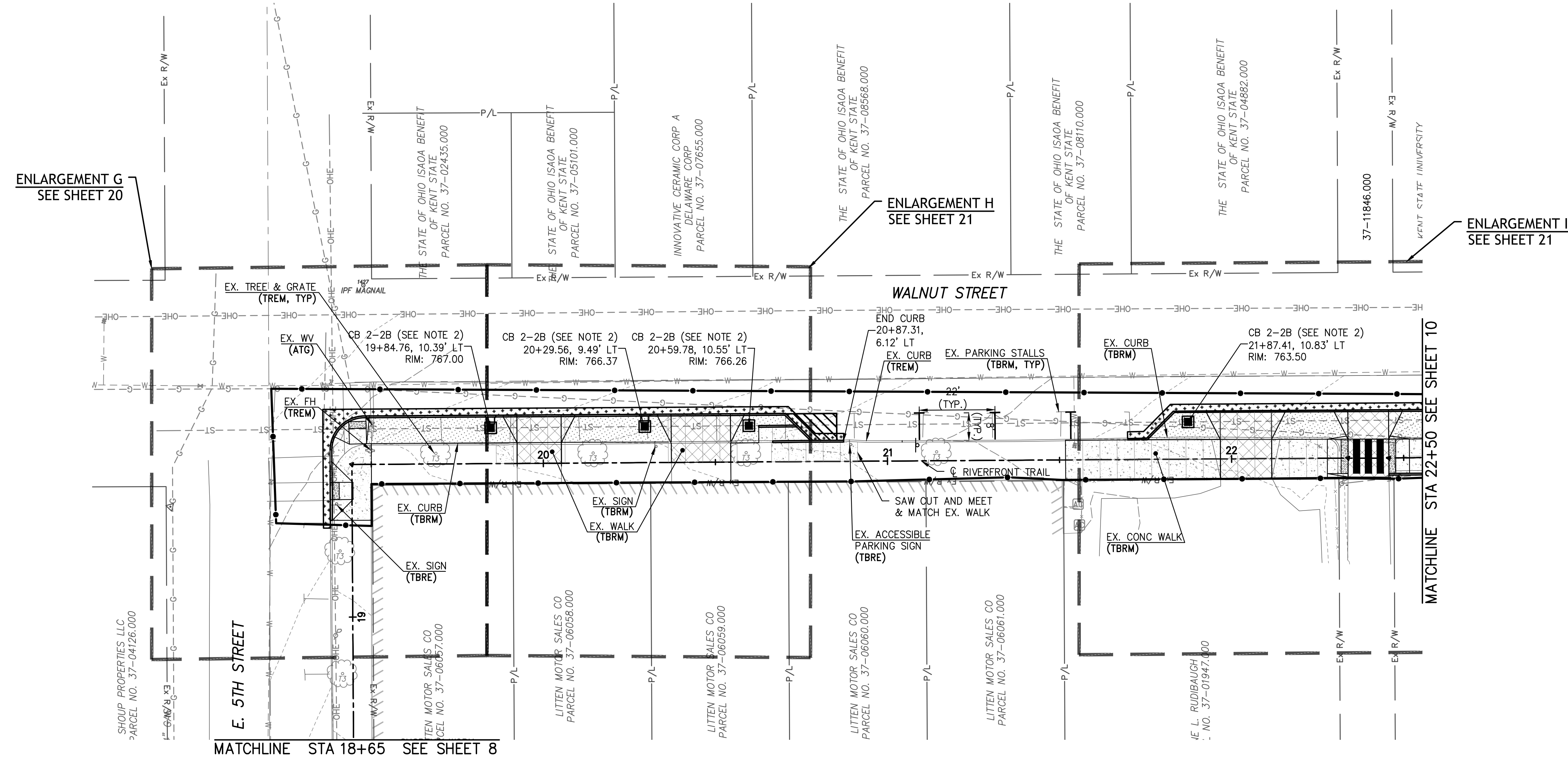
DATE: _____

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010
 DRAWN BY: HRD
 CHECKED BY: KTL
 DATE ISSUED: 2024-09-24

PLAN AND PROFILE

NOT FOR CONSTRUCTION



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ENLARGEMENT G
 SEE SHEET 20



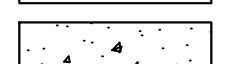
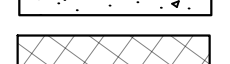

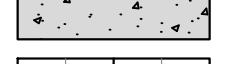

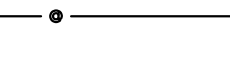
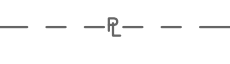

ENLARGEMENT H
 SEE SHEET 21

ENLARGEMENT I
 SEE SHEET 21

MATCHLINE STA 18+65 SEE SHEET 8

MATCHLINE STA 22+50 SEE SHEET 10

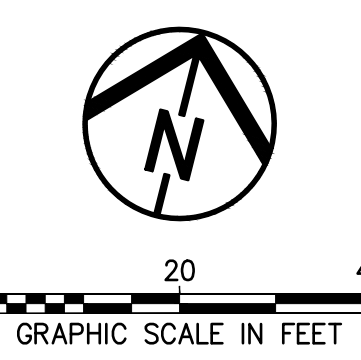
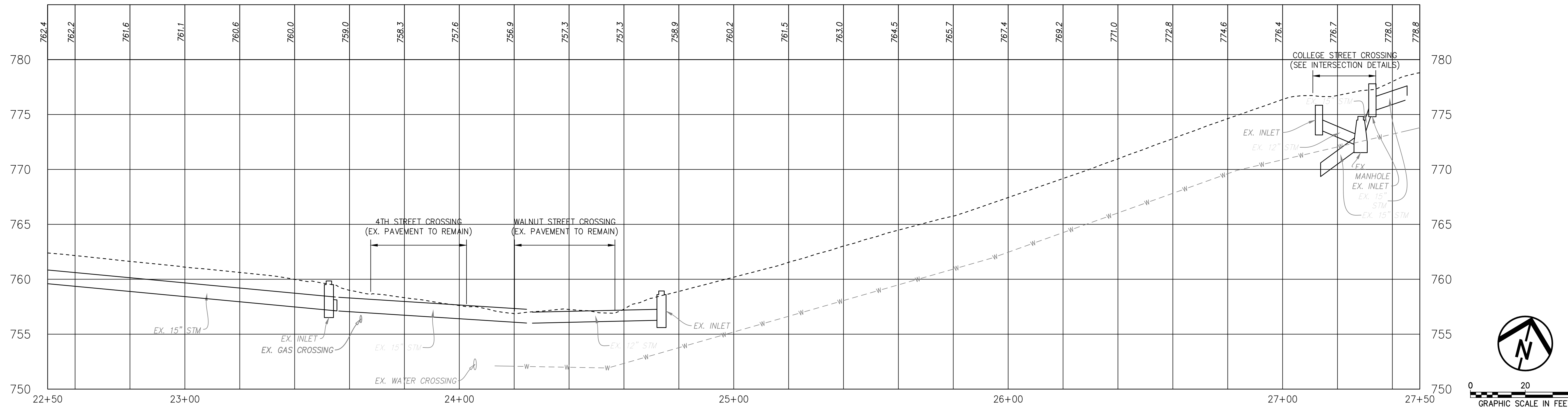
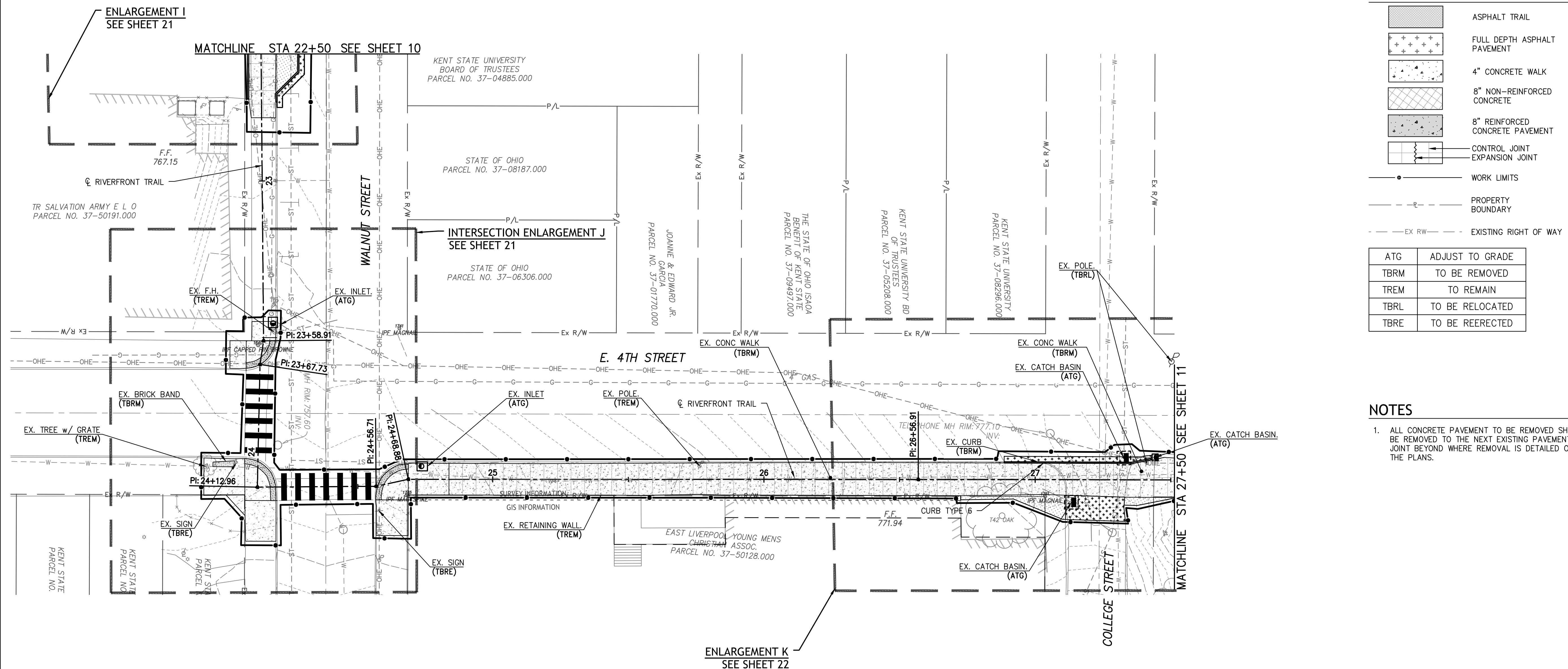
PLAN LEGEND

-  ASPHALT TRAIL
-  FULL DEPTH ASPHALT PAVEMENT
-  4" CONCRETE WALK
-  8" NON-REINFORCED CONCRETE
-  8" REINFORCED CONCRETE PAVEMENT
-  CONTROL JOINT
-  EXPANSION JOINT
-  WORK LIMITS
-  PROPERTY BOUNDARY
-  EXISTING RIGHT OF WAY

ATG	ADJUST TO GRADE
TBRM	TO BE REMOVED
TREM	TO REMAIN
TBRL	TO BE RELOCATED
TBRE	TO BE REERECTED

NOTES

- ALL CONCRETE PAVEMENT TO BE REMOVED SHALL BE REMOVED TO THE NEXT EXISTING PAVEMENT JOINT BEYOND WHERE REMOVAL IS DETAILED ON THE PLANS.



**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

STAGE 2

DATE: _____

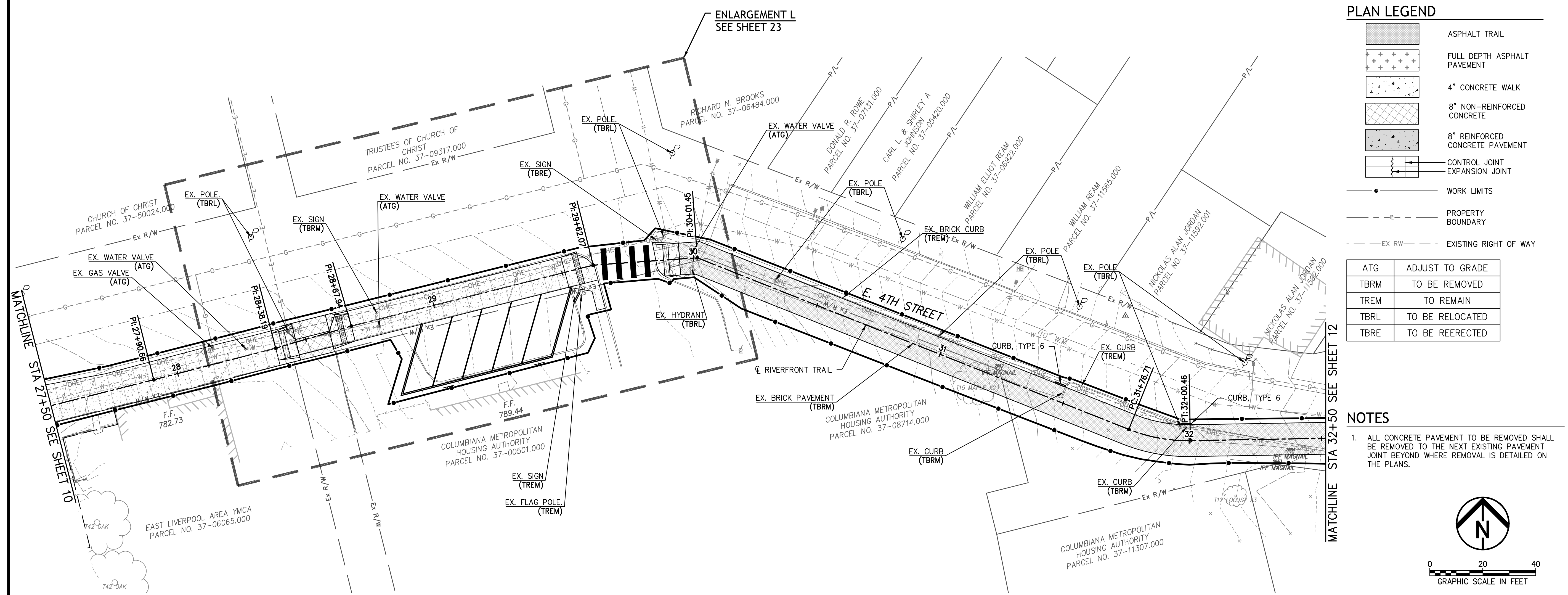
REVISIONS		
Δ	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010
 DRAWN BY: HRD
 CHECKED BY: KTL
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PLAN AND PROFILE

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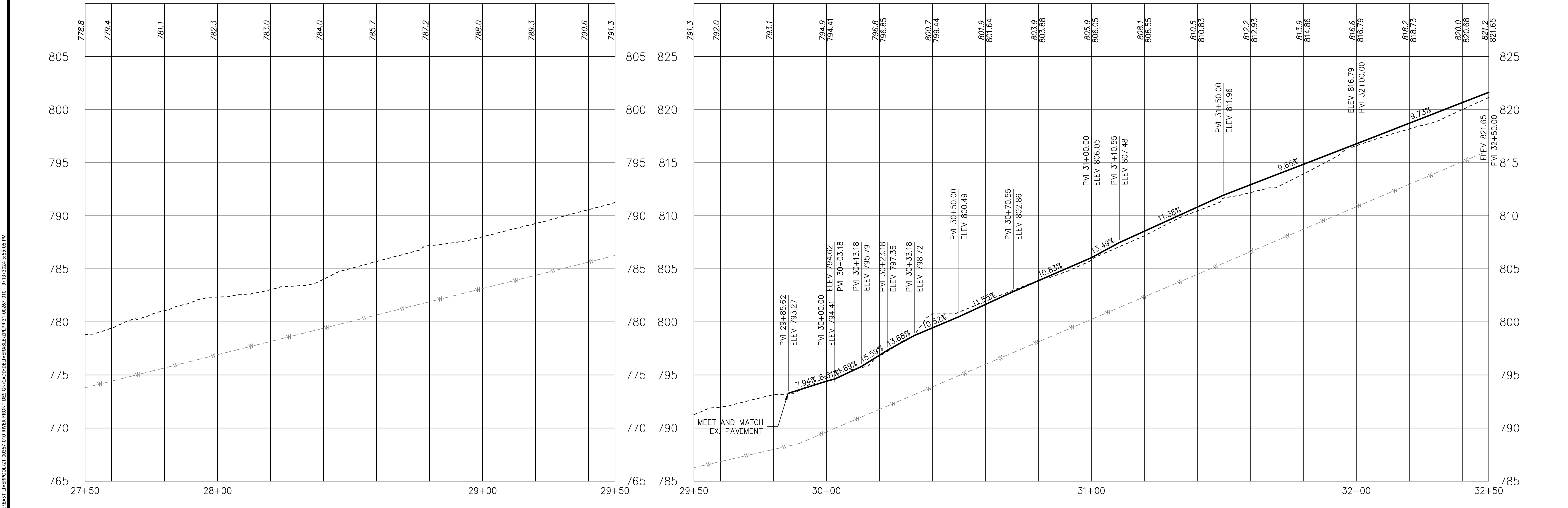
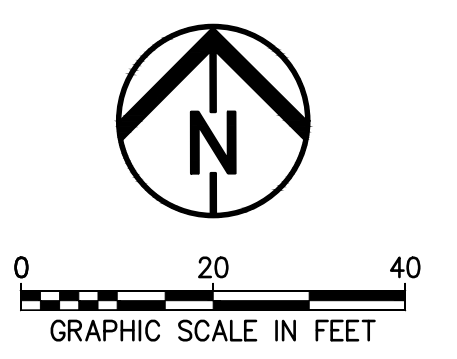
PLAN LEGEND

	ASPHALT TRAIL
	FULL DEPTH ASPHALT PAVEMENT
	4" CONCRETE WALK
	8" NON-REINFORCED CONCRETE
	8" REINFORCED CONCRETE PAVEMENT
	CONTROL JOINT
	EXPANSION JOINT
	WORK LIMITS
	PROPERTY BOUNDARY
	EXISTING RIGHT OF WAY

ATG	ADJUST TO GRADE
TBRM	TO BE REMOVED
TREM	TO REMAIN
TBRL	TO BE RELOCATED
TBRE	TO BE REERECTED

NOTES

- ALL CONCRETE PAVEMENT TO BE REMOVED SHALL BE REMOVED TO THE NEXT EXISTING PAVEMENT JOINT BEYOND WHERE REMOVAL IS DETAILED ON THE PLANS.



**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

STAGE 2

DATE: _____

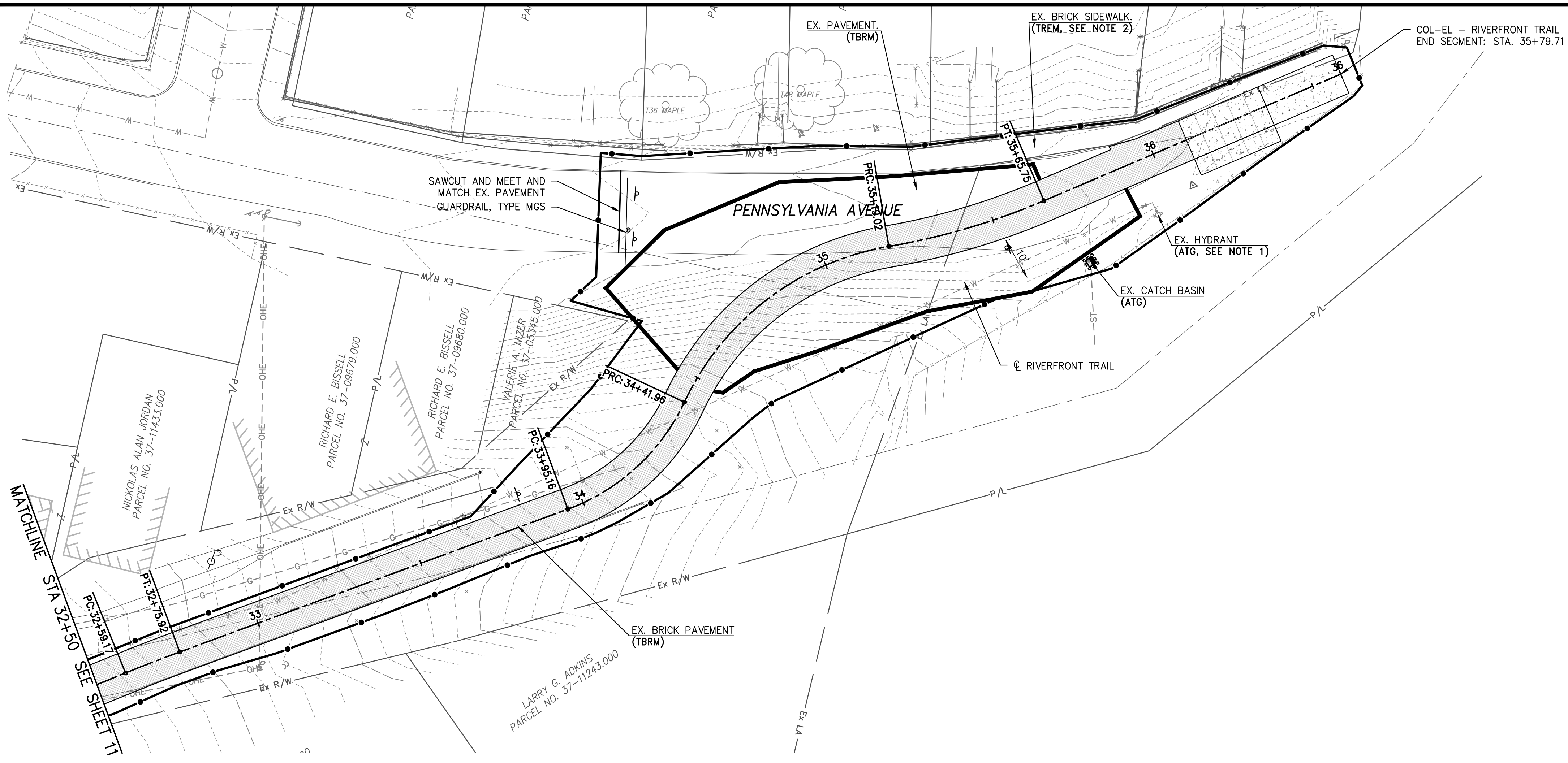
REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010
 DRAWN BY: HRD
 CHECKED BY: KTL
 DATE ISSUED: 2024-09-24

PLAN AND PROFILE

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NOT FOR CONSTRUCTION



PLAN LEGEND

- ASPHALT TRAIL
- FULL DEPTH ASPHALT PAVEMENT
- 4" CONCRETE WALK
- 8" NON-REINFORCED CONCRETE
- 8" REINFORCED CONCRETE PAVEMENT
- CONTROL JOINT EXPANSION JOINT
- WORK LIMITS
- PROPERTY BOUNDARY
- EX RW EXISTING RIGHT OF WAY

ATG	ADJUST TO GRADE
TBRM	TO BE REMOVED
TREM	TO REMAIN
TBRL	TO BE RELOCATED
TBRE	TO BE REERECTED

NOTES

- CONTRACTOR SHALL ADJUST EXISTING HYDRANT TO GRADE AND REMOVE AND REPLACE THE EXISTING WATERLINE TO BE A MINIMUM DEPTH OF 4' BELOW PROPOSED GRADE. THIS WORK SHALL BE PAID FOR UNDER FIRE HYDRANT ADJUSTED TO GRADE, AS PER PLAN.
- CONTRACTOR SHALL CLEAN ALL EXISTING SIDEWALK WITHIN WORK LIMITS. ENSURE WALK WITHIN WORK LIMITS IS CLEAR OF ALL DEBRIS. THIS WORK SHALL BE PAID FOR UNDER ITEM 608 - WALKWAY, MISC.: WALK CLEANING.



**COL-EL RIVERFRONT TRAIL,
PHASE 1.1
CITY OF EAST LIVERPOOL**

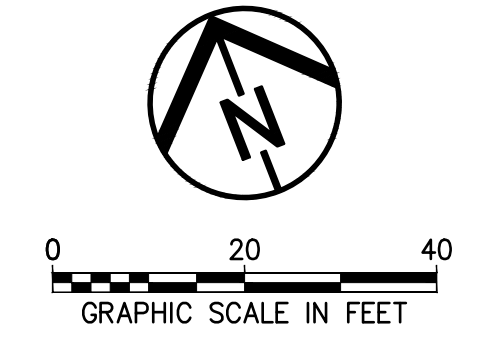
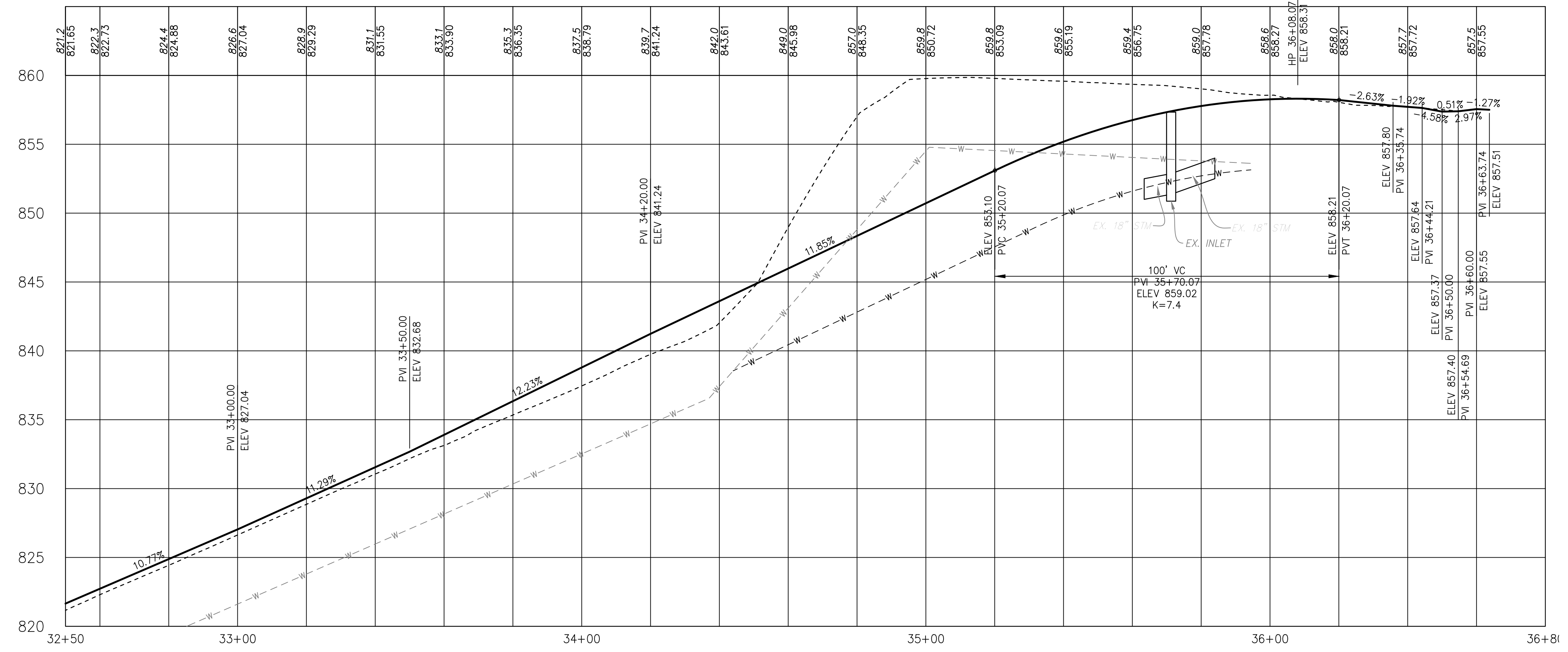
STAGE 2

DATE: _____

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010
DRAWN BY: HRD
CHECKED BY: KTL
DATE ISSUED: 2024-09-24

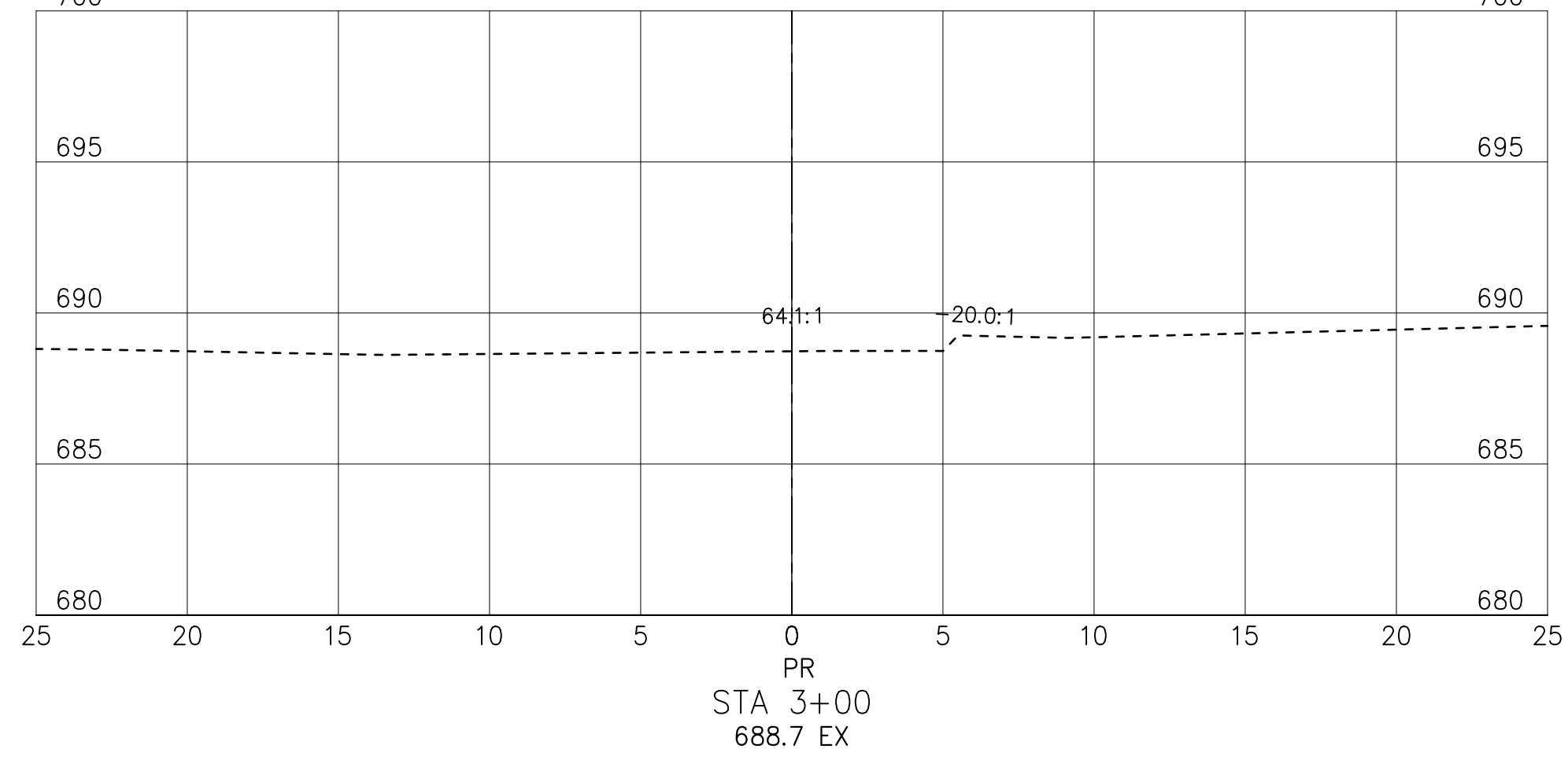
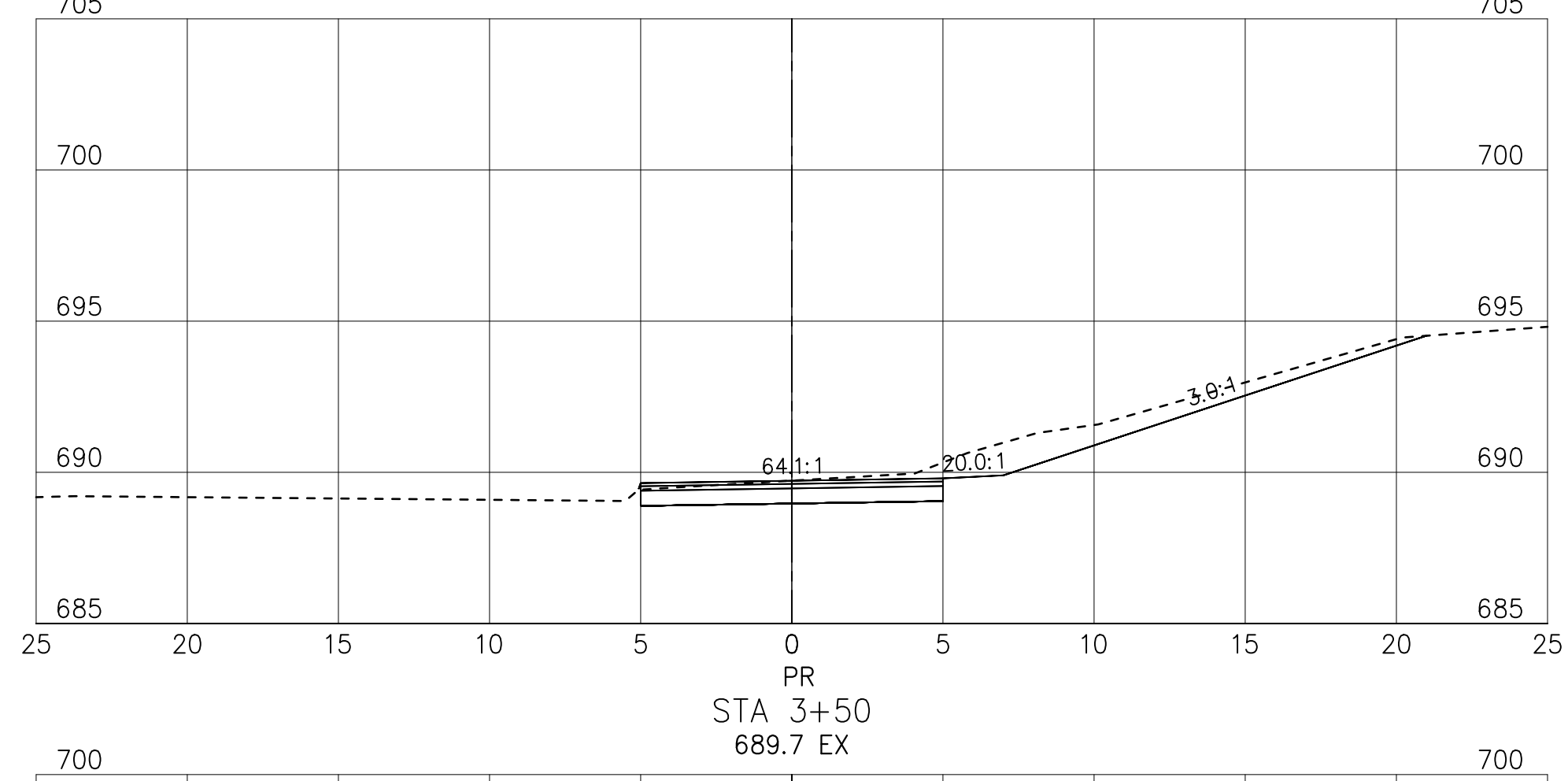
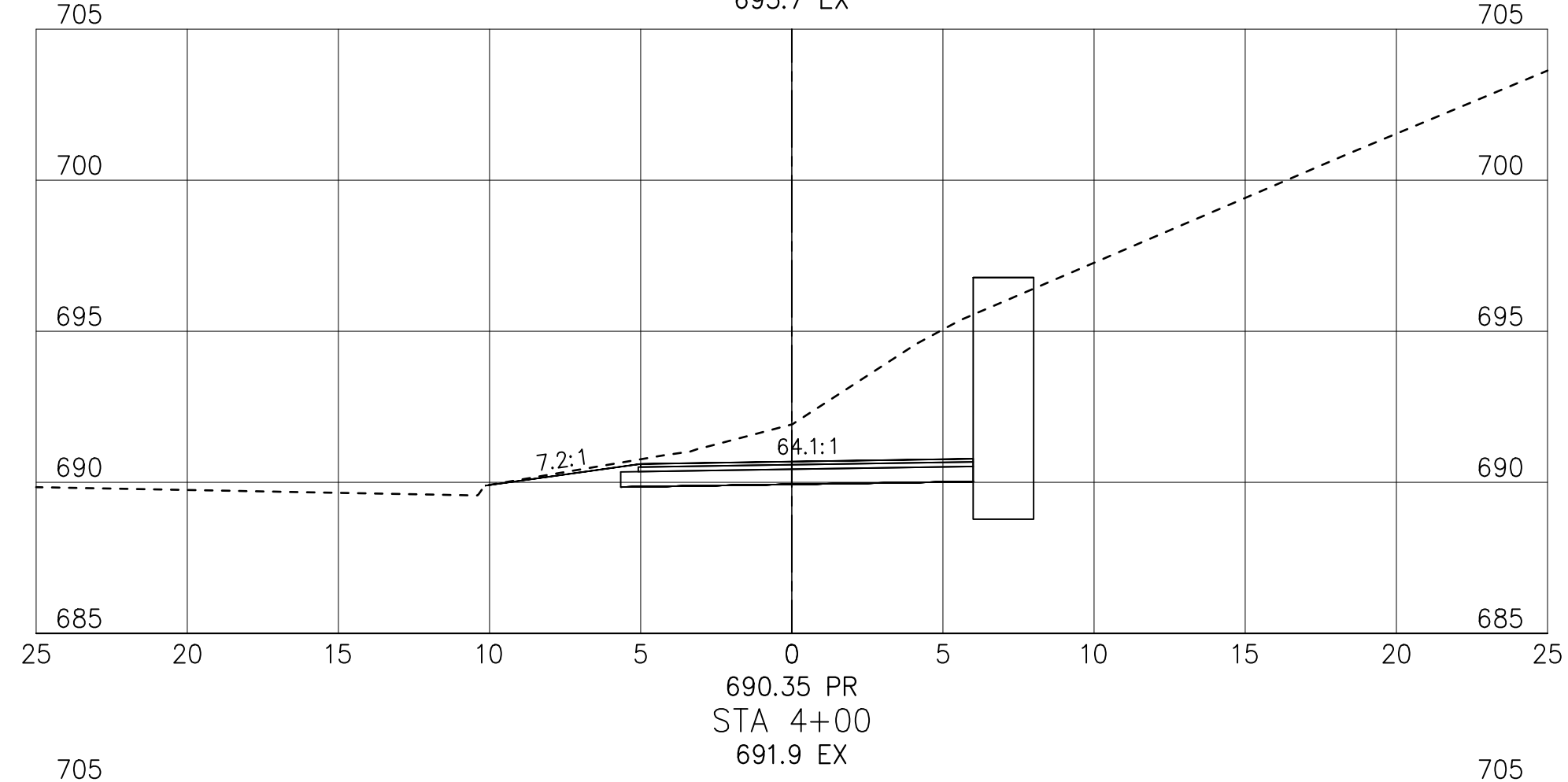
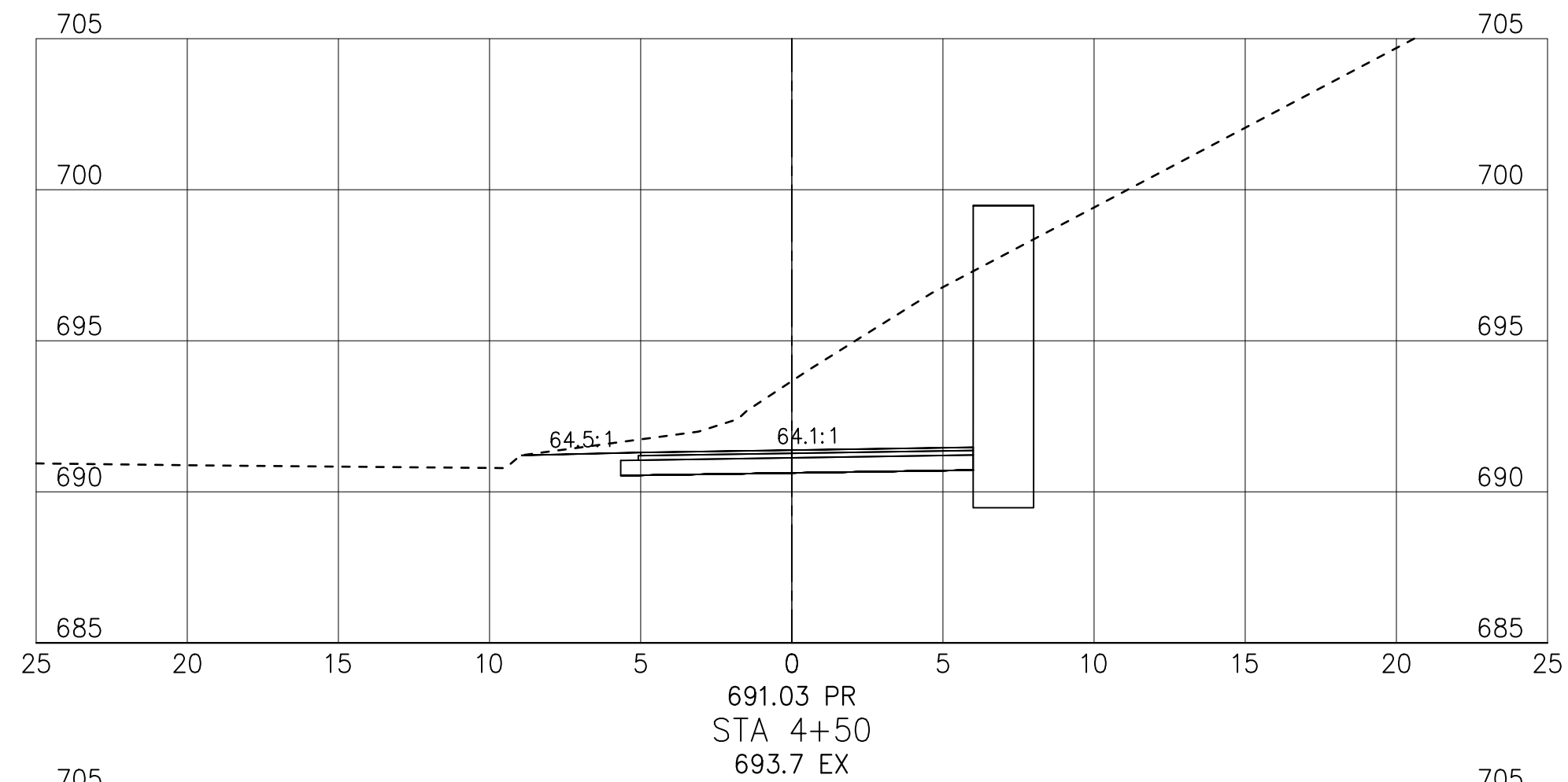
PLAN AND PROFILE



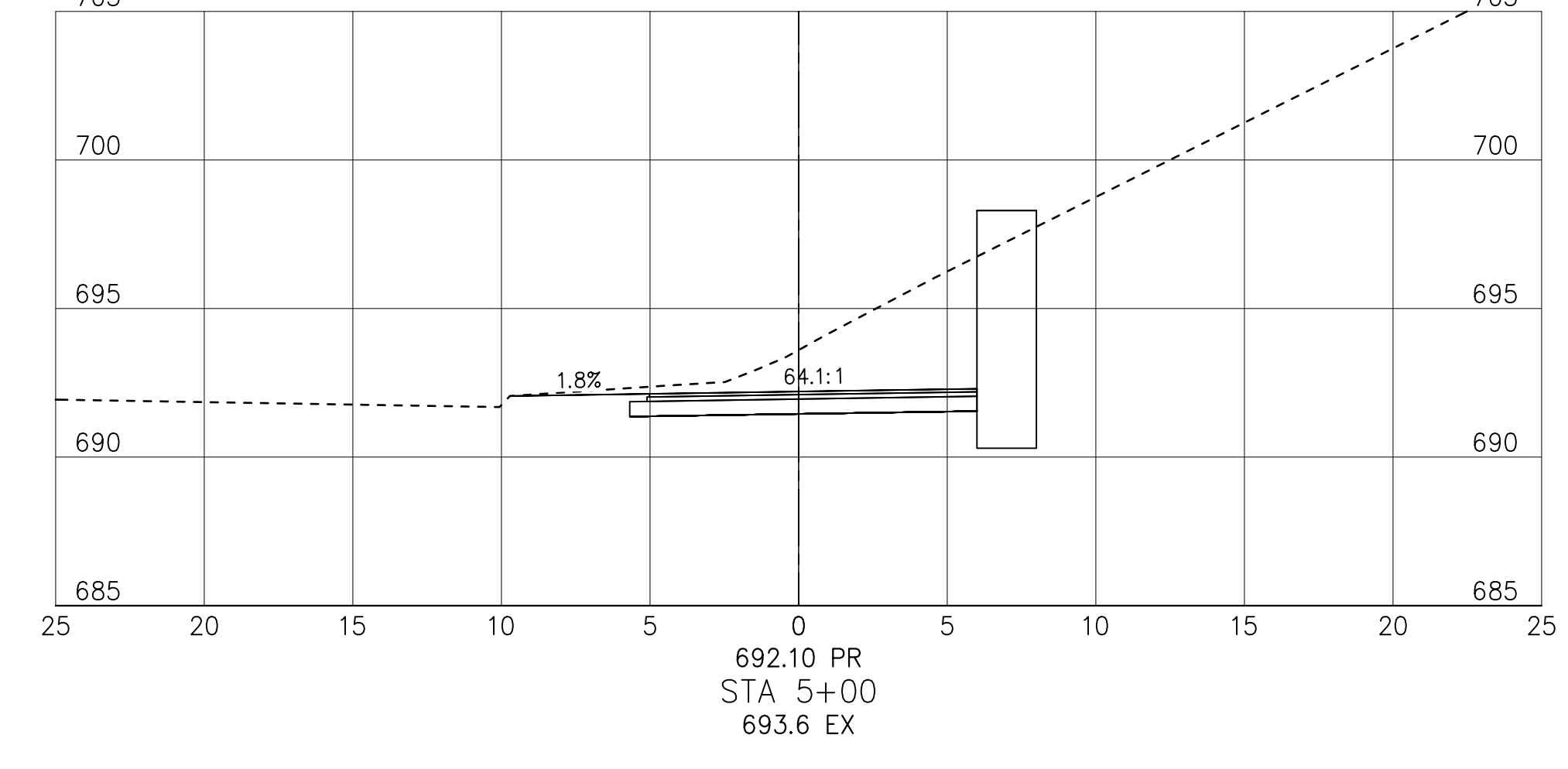
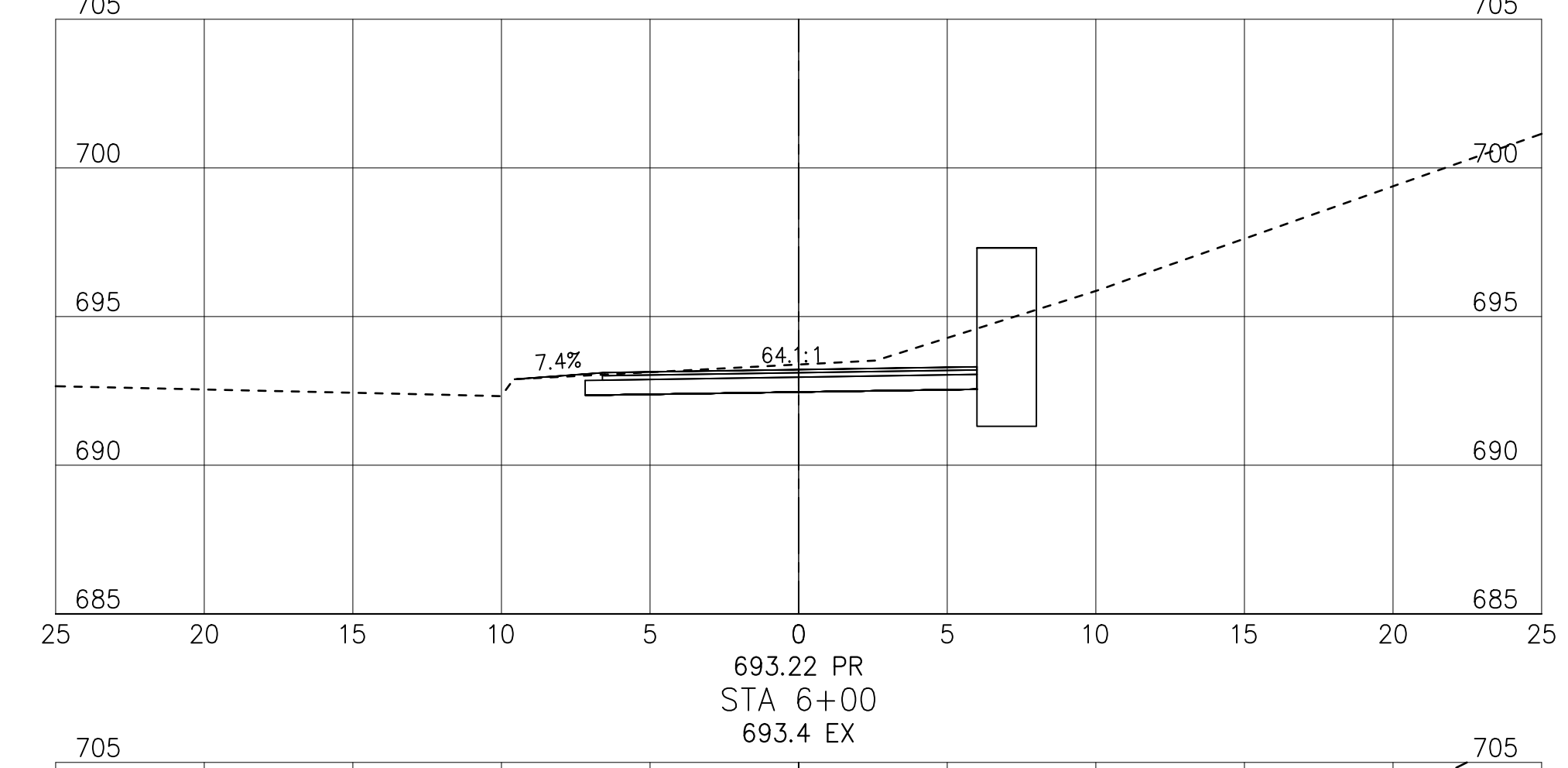
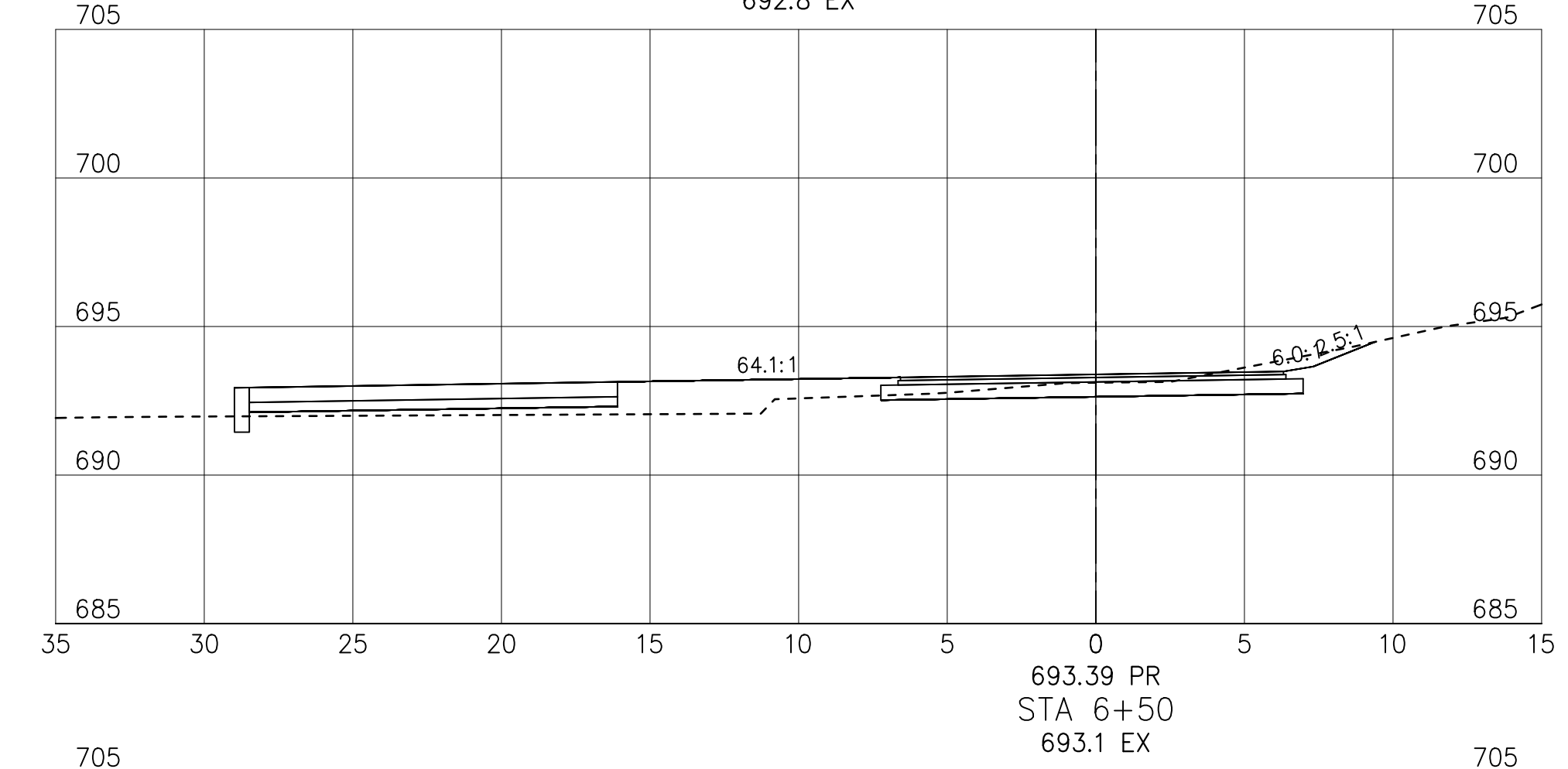
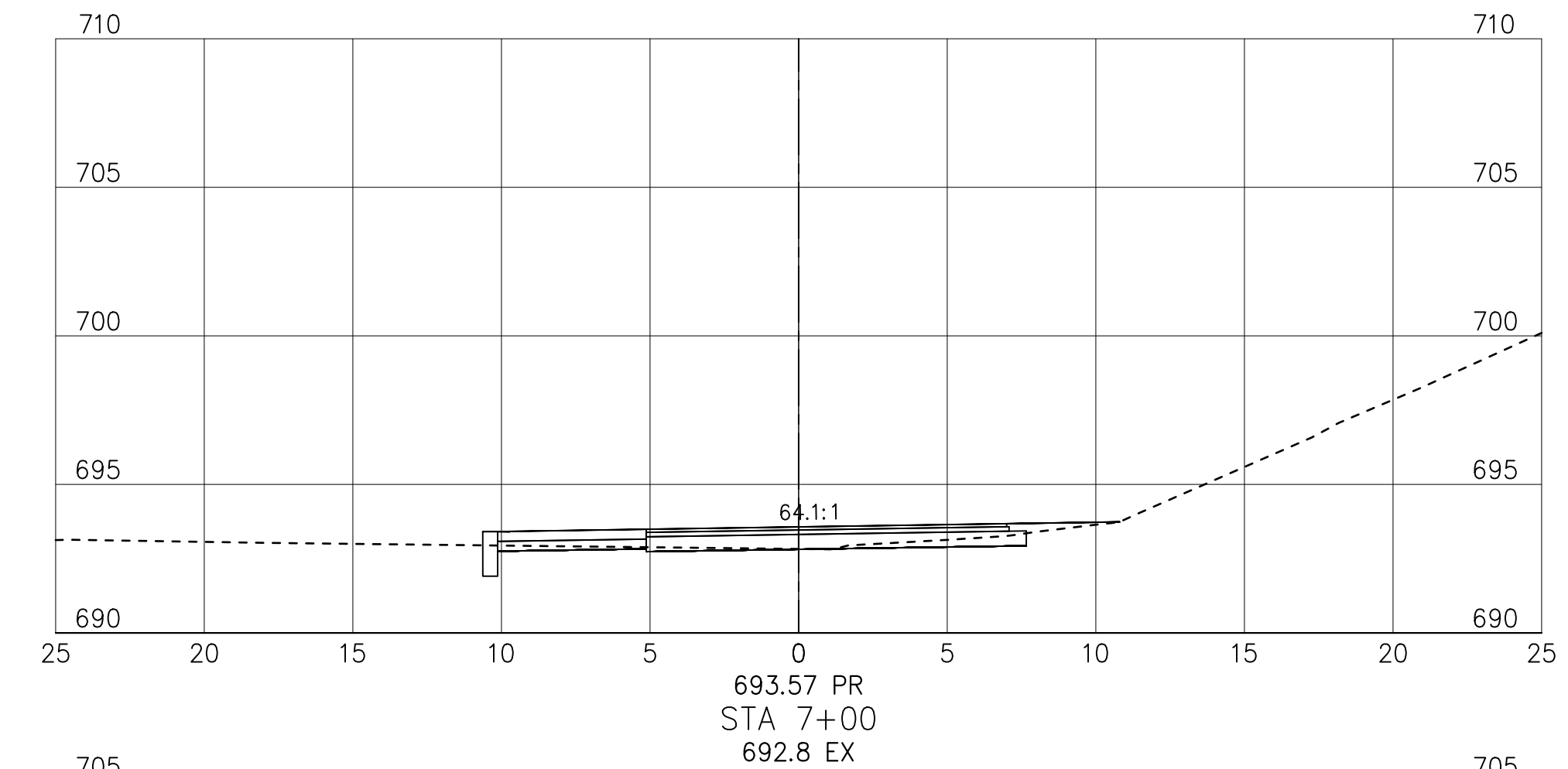
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NOT FOR CONSTRUCTION

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME		SEEDING	
CUT	FILL	CUT	FILL	END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL



**COL-EL RIVERFRONT TRAIL,
PHASE 1.1
CITY OF EAST LIVERPOOL**

STAGE 2

DATE: _____

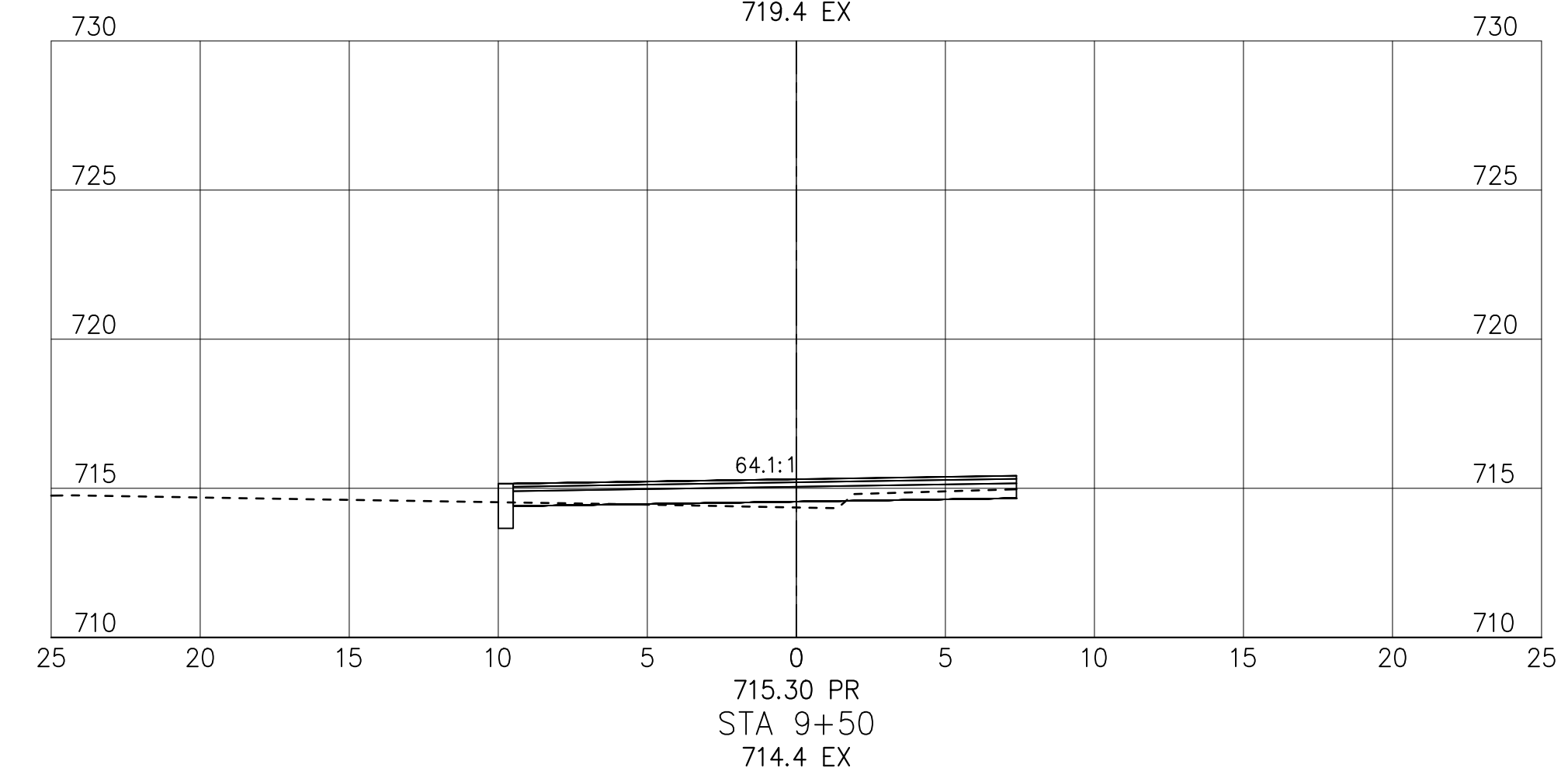
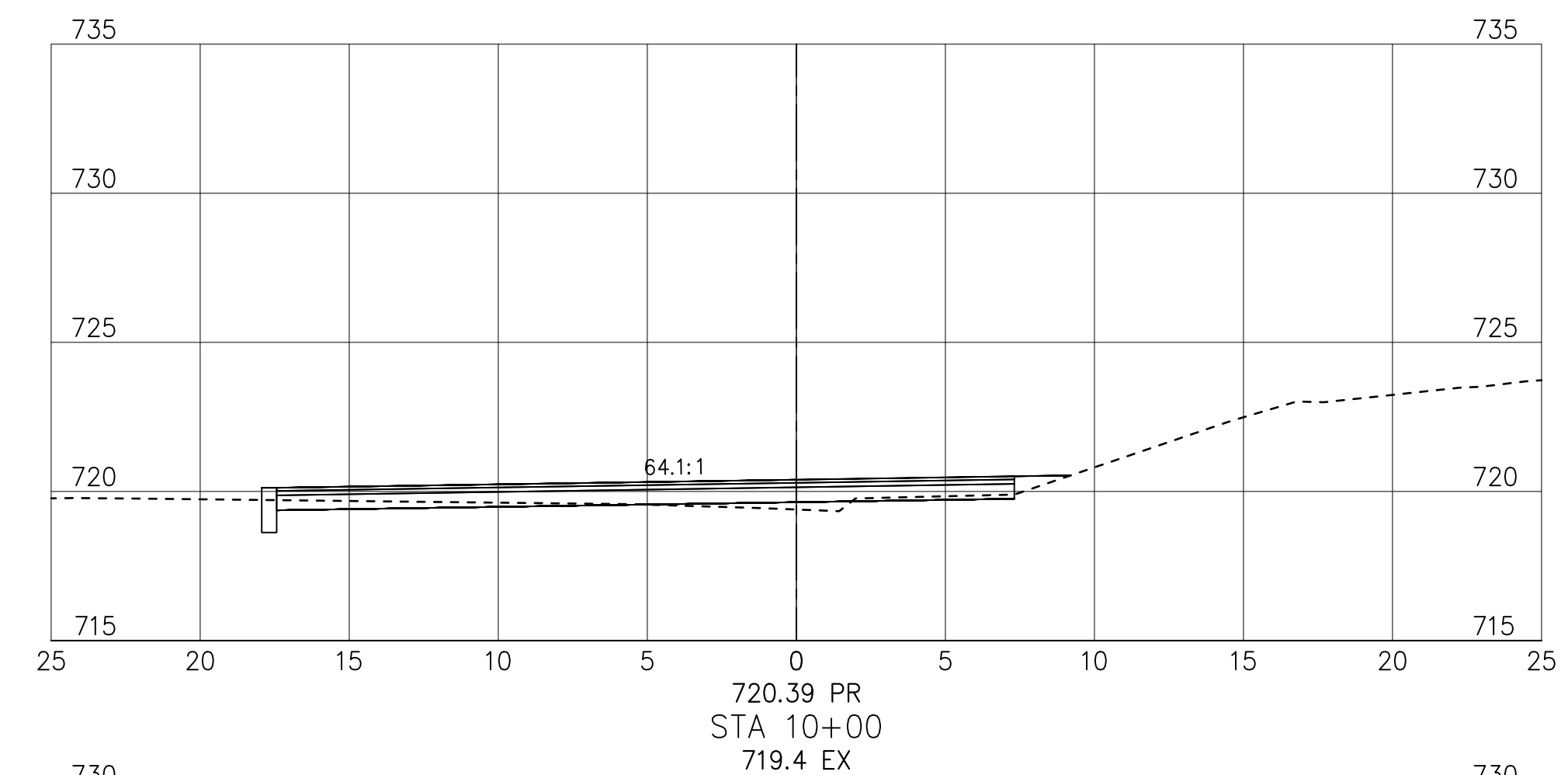
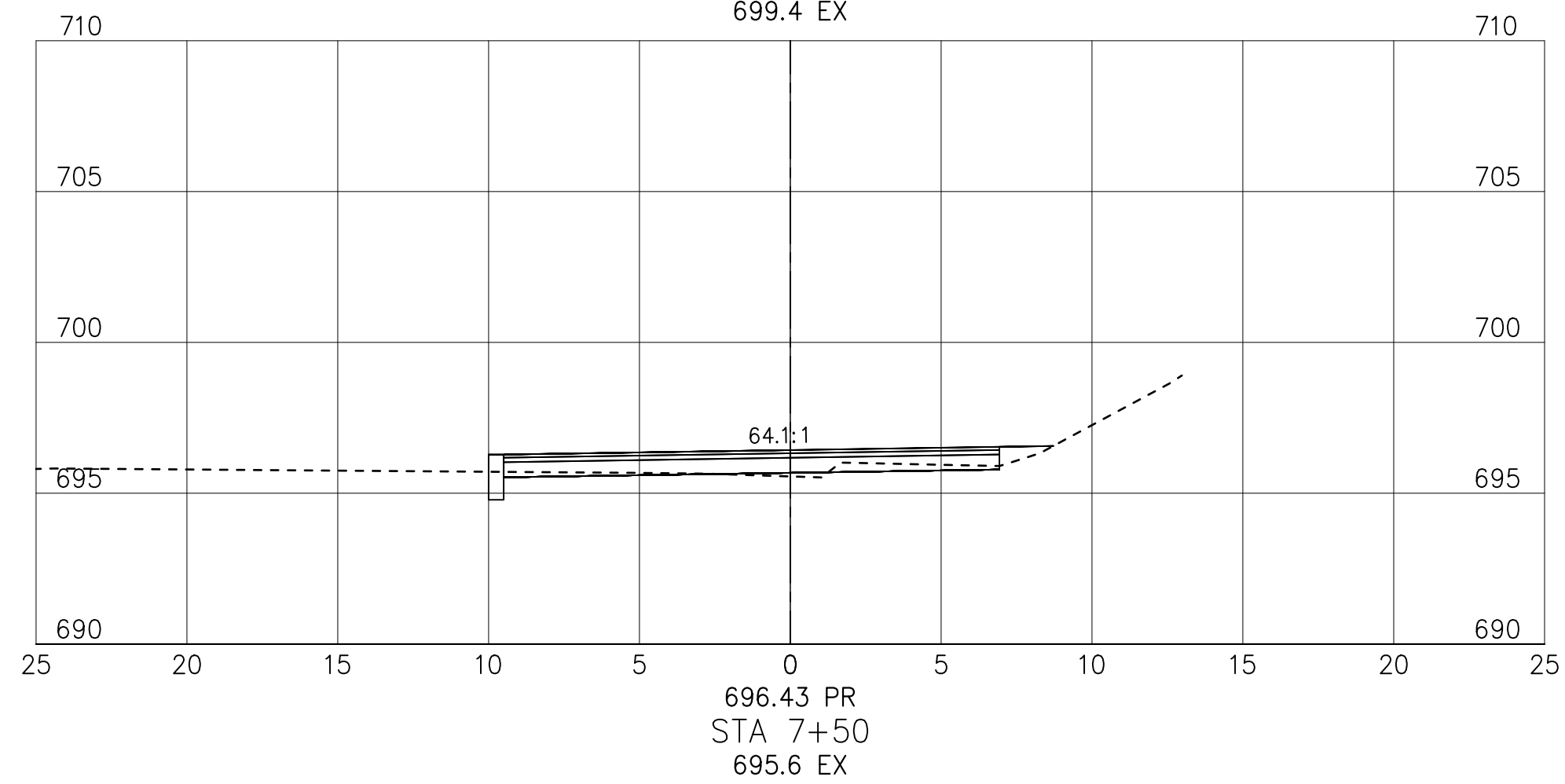
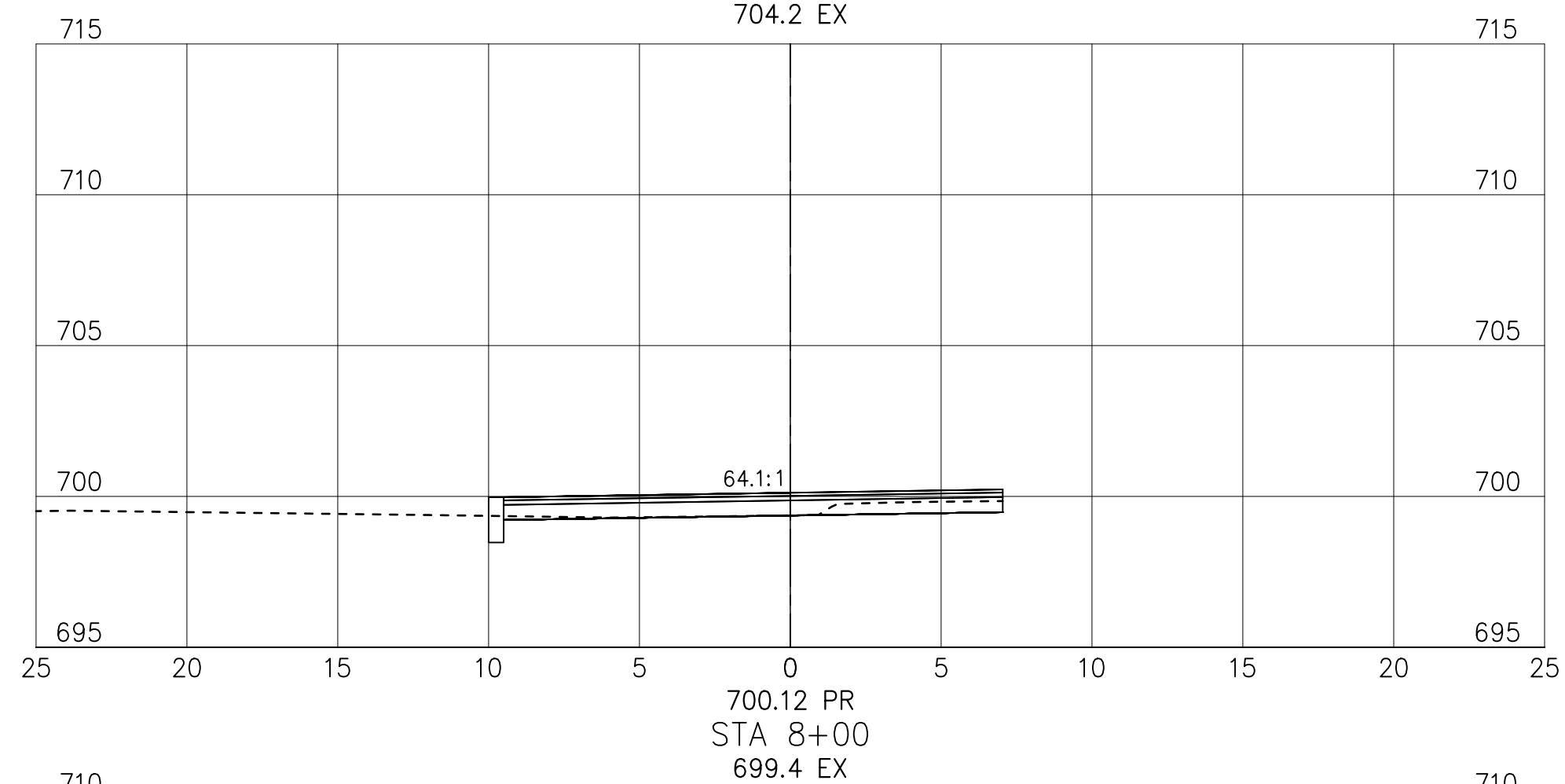
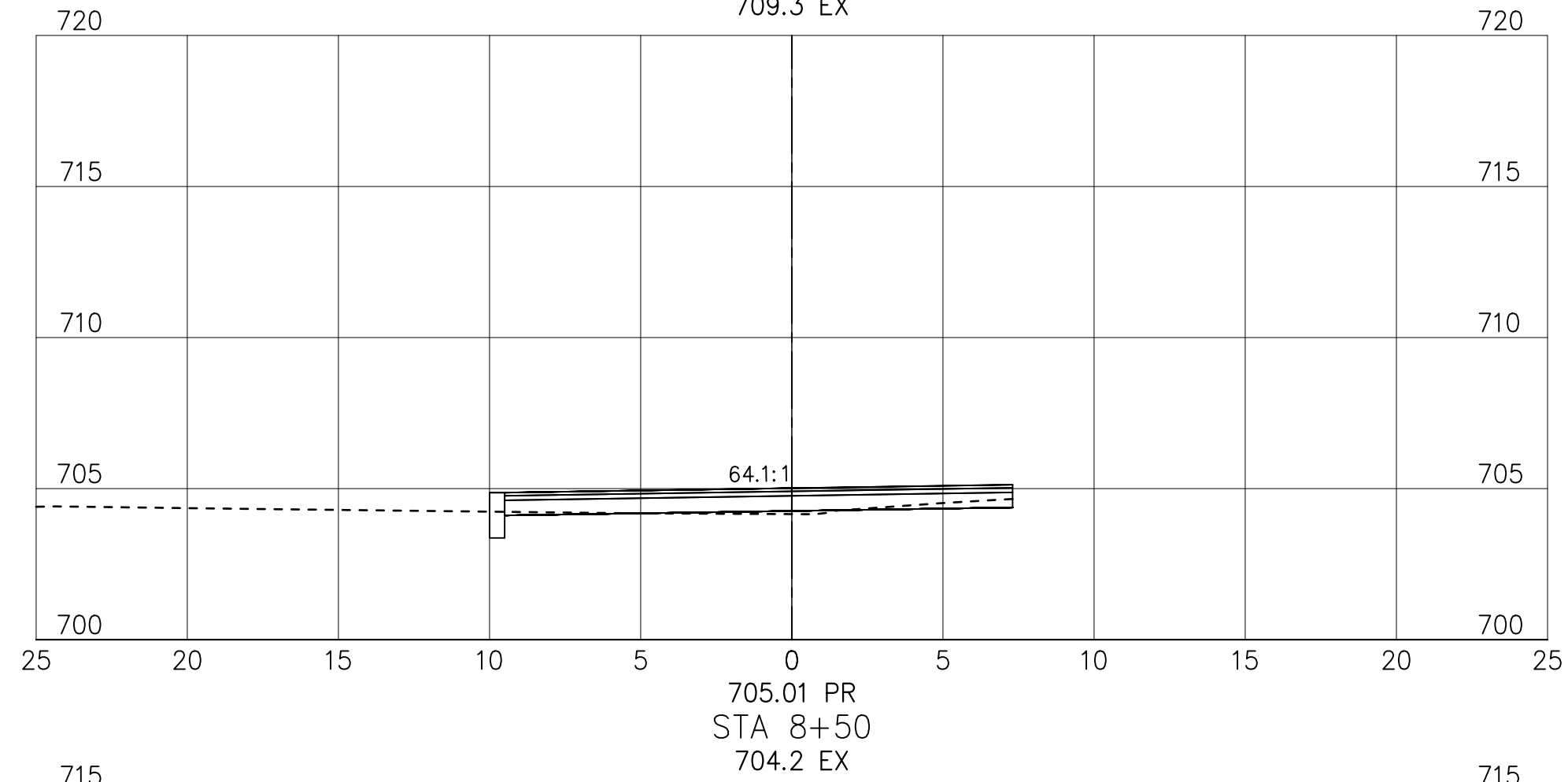
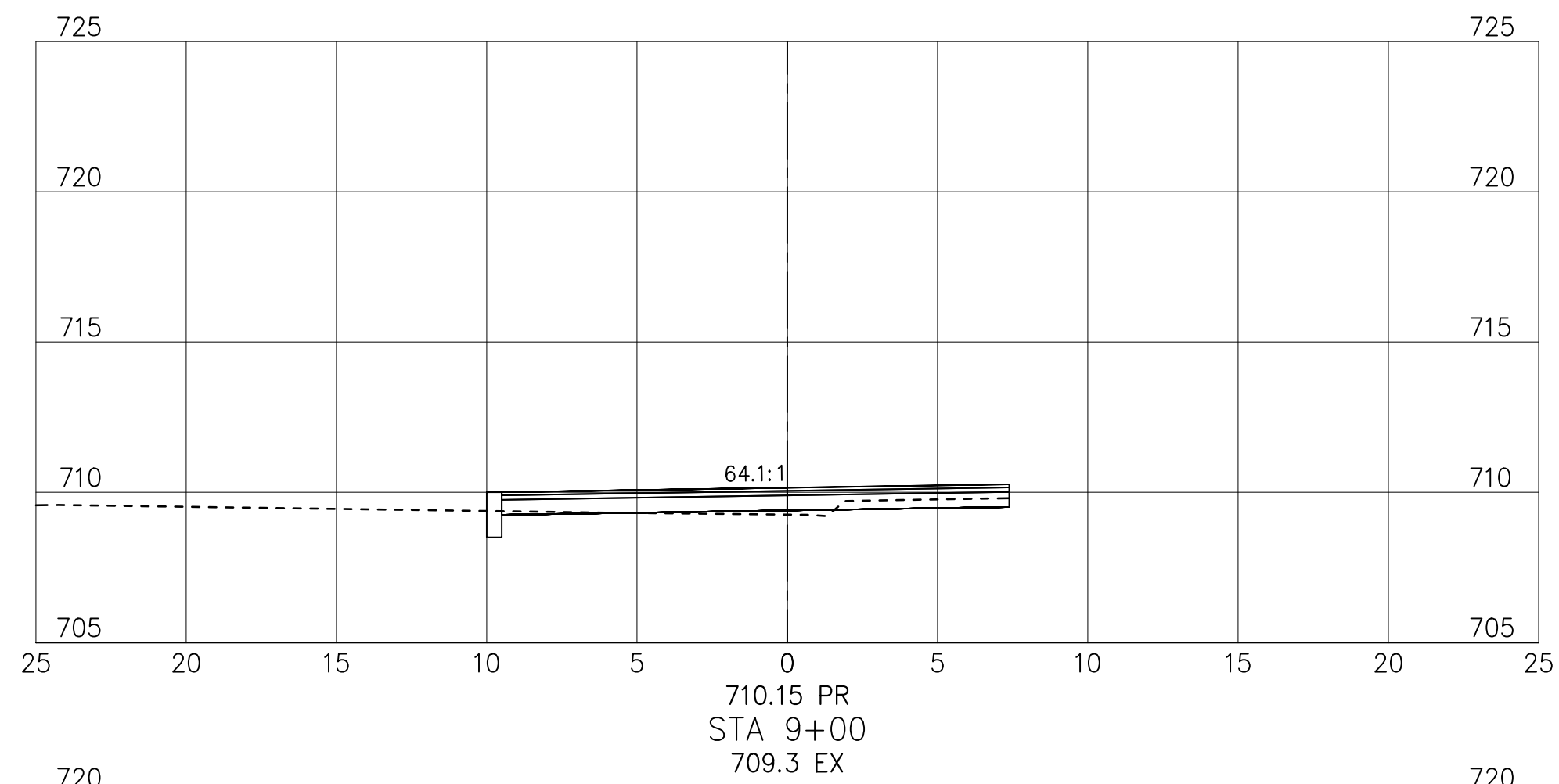
REVISIONS		
NO.	DATE	DESCRIPTION
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PROJECT NO.: 21-00267-010
DRAWN BY: HRD
CHECKED BY: KTL
DATE ISSUED: 2024-09-24

RIVERFRONT TRAIL
CROSS SECTIONS

E:\EAST LIVERPOOL\ST 10267-010 RIVER FRONT DESIGN\CADD\DESIGN\21-00267-010 - 9/17/2024 5:58:44 PM

NOT FOR CONSTRUCTION



END AREA VOLUME
CUT FILL CUT FILL

AKRON / CLEVELAND / COLUMBUS
1450 GRANT ST., AKRON, OH 44317
P. 330.375.1500 / F. 800.835.1500
WWW.ENVDESIGNGROUP.COM

811 Know what's below.
Call before you dig.

**COL-EL RIVERFRONT TRAIL,
PHASE 1.1
CITY OF EAST LIVERPOOL**

STAGE 2

DATE: _____

REVISIONS	DATE	DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

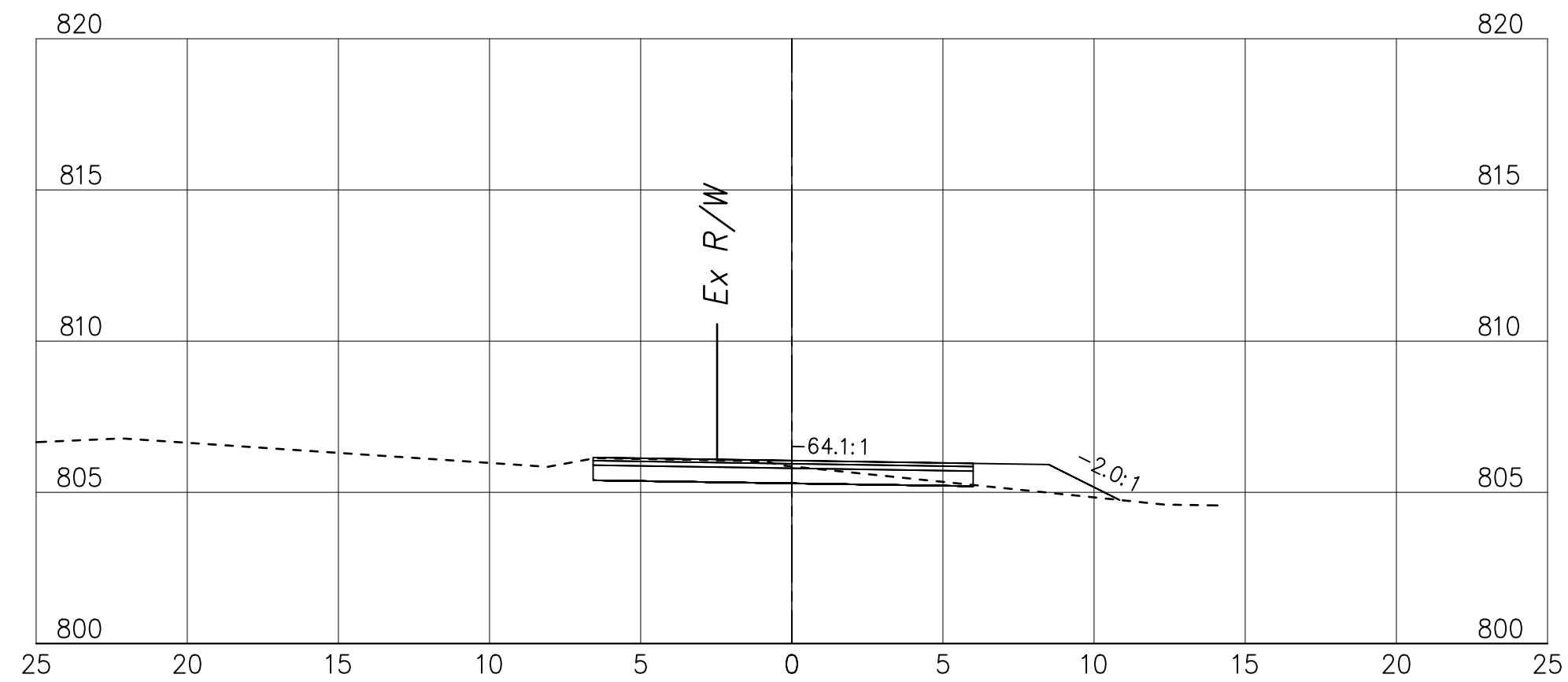
PROJECT NO.: 21-00267-010
DRAWN BY: HRD
CHECKED BY: KTL
DATE ISSUED: 2024-09-24

**RIVERFRONT TRAIL
CROSS SECTIONS**

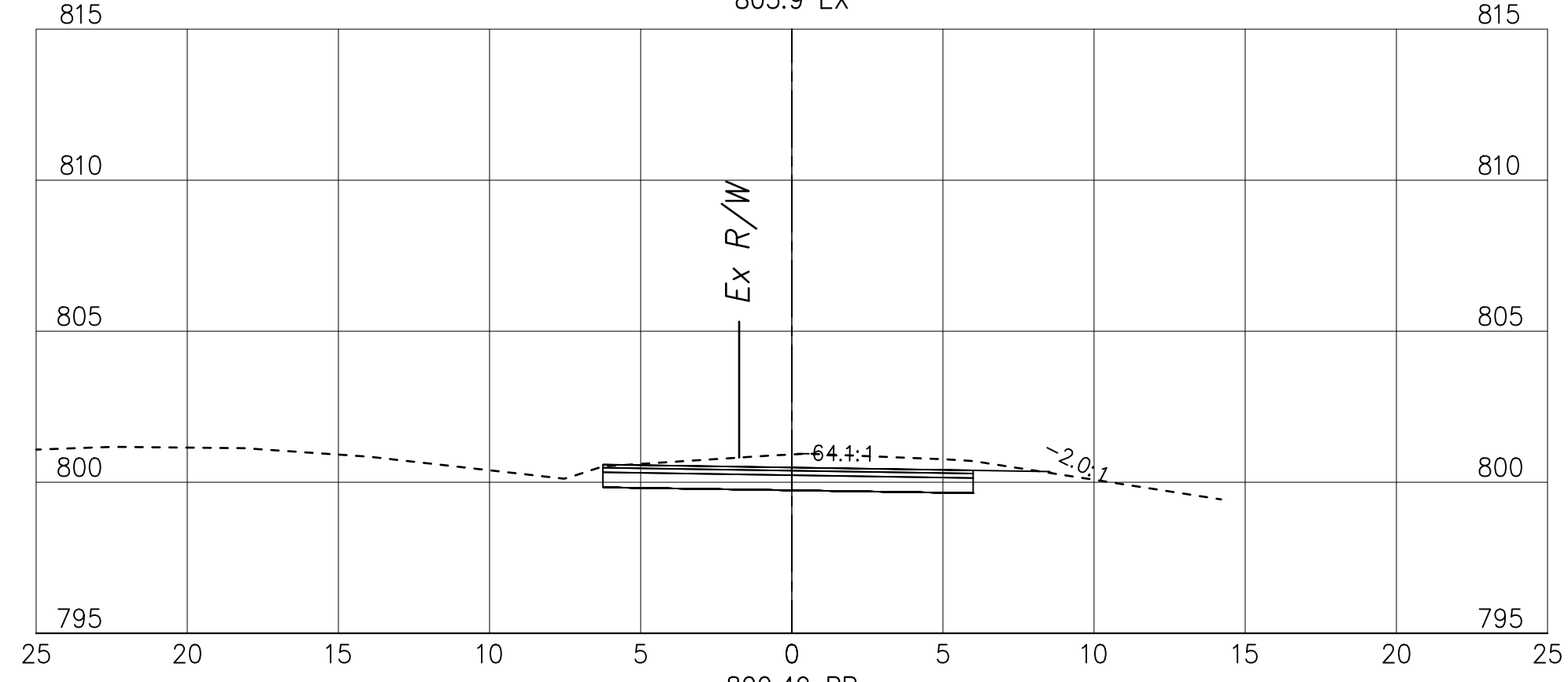
14 OF 23

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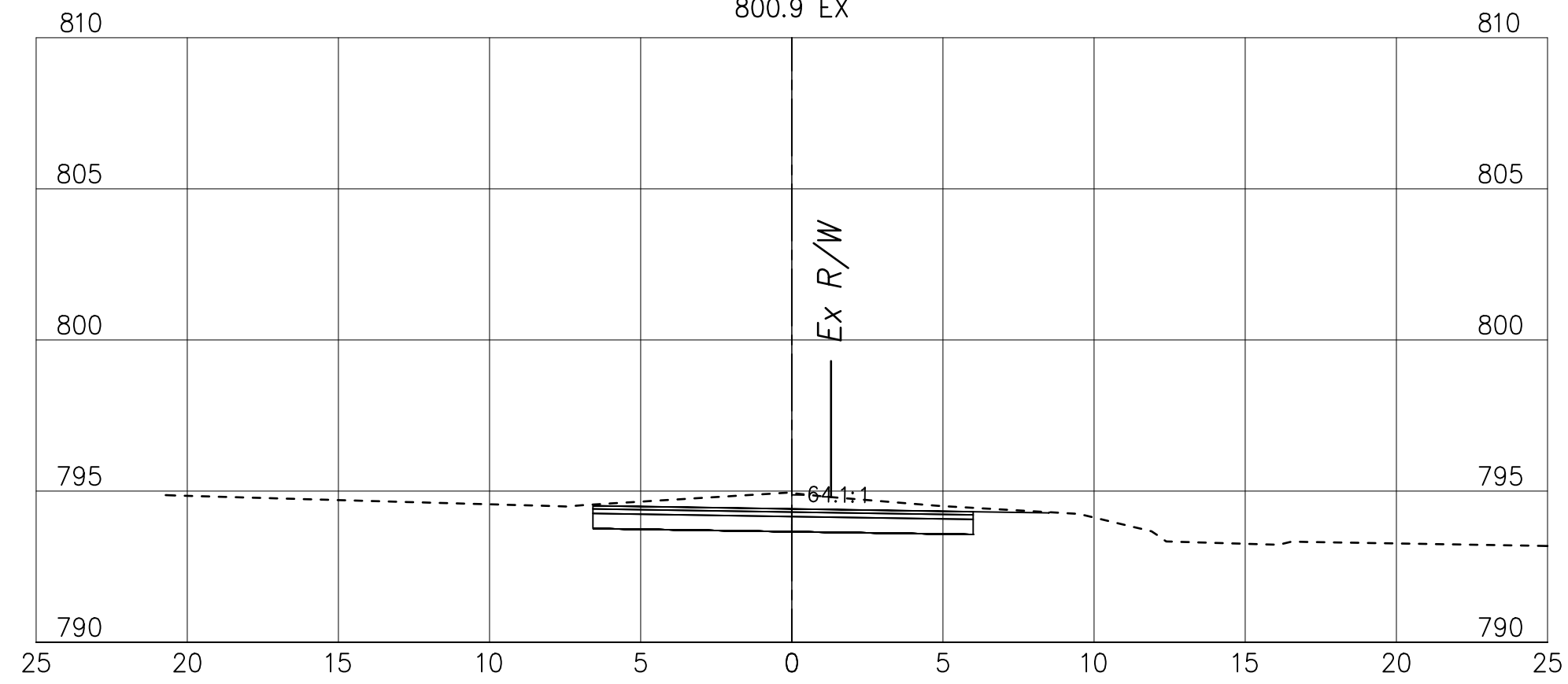
SEEDING	
END WIDTH	SQ. YDS.



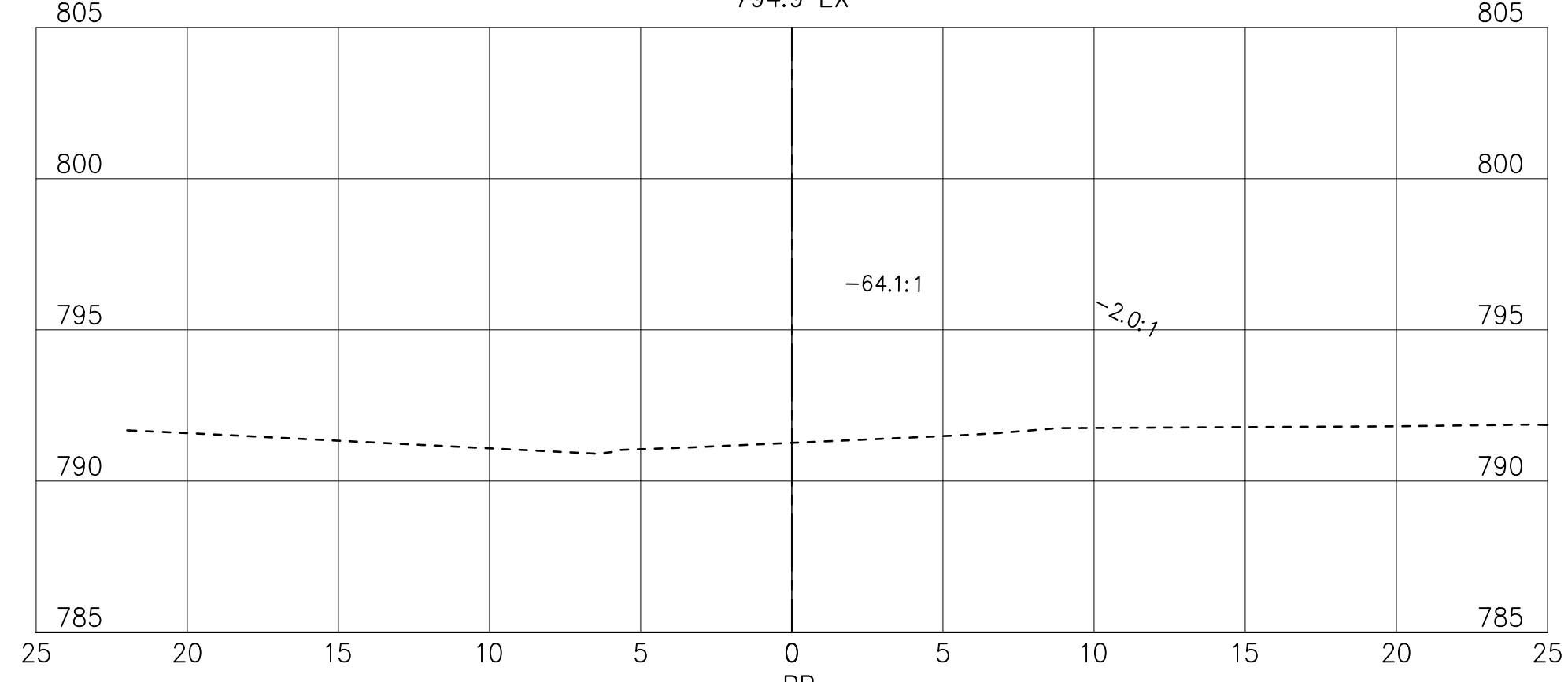
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STA 31+00
805.9 EX



800.49 PR
STA 30+50
800.9 EX



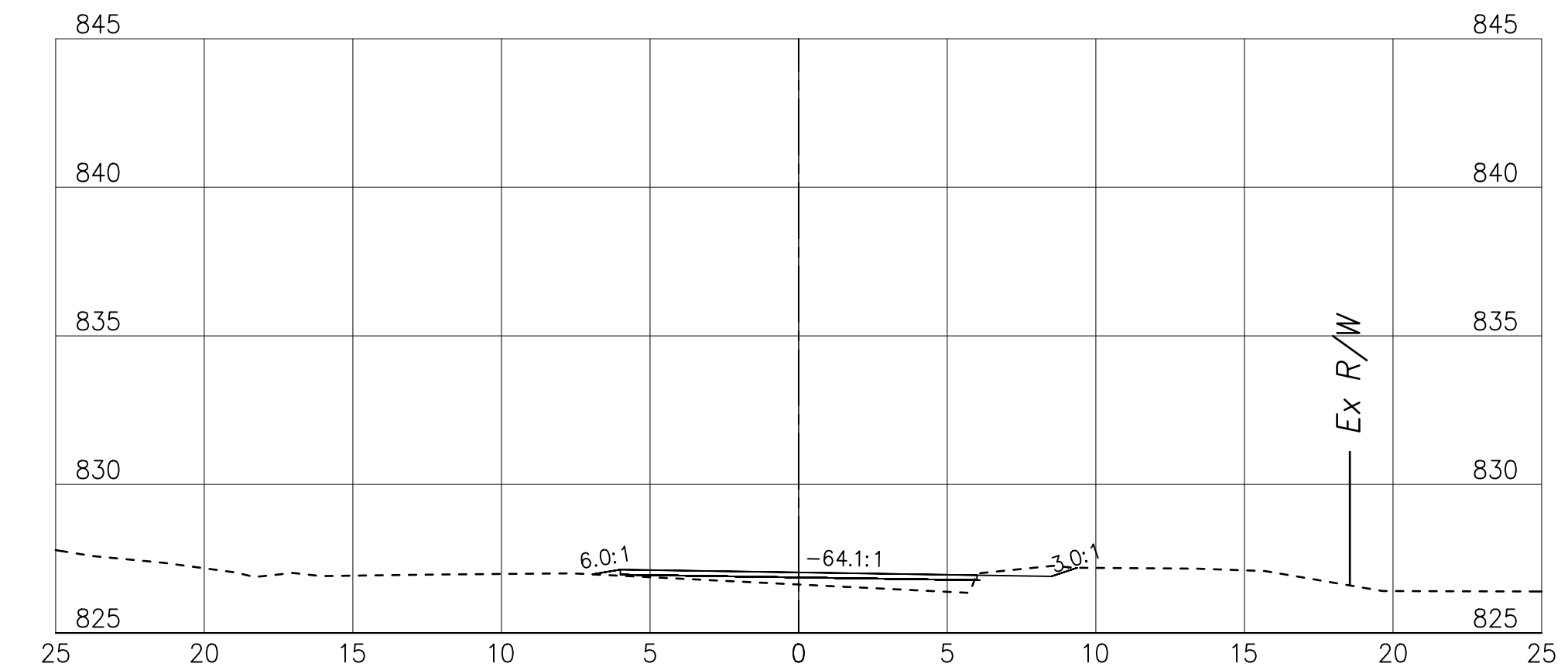
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STA 30+00
794.9 EX



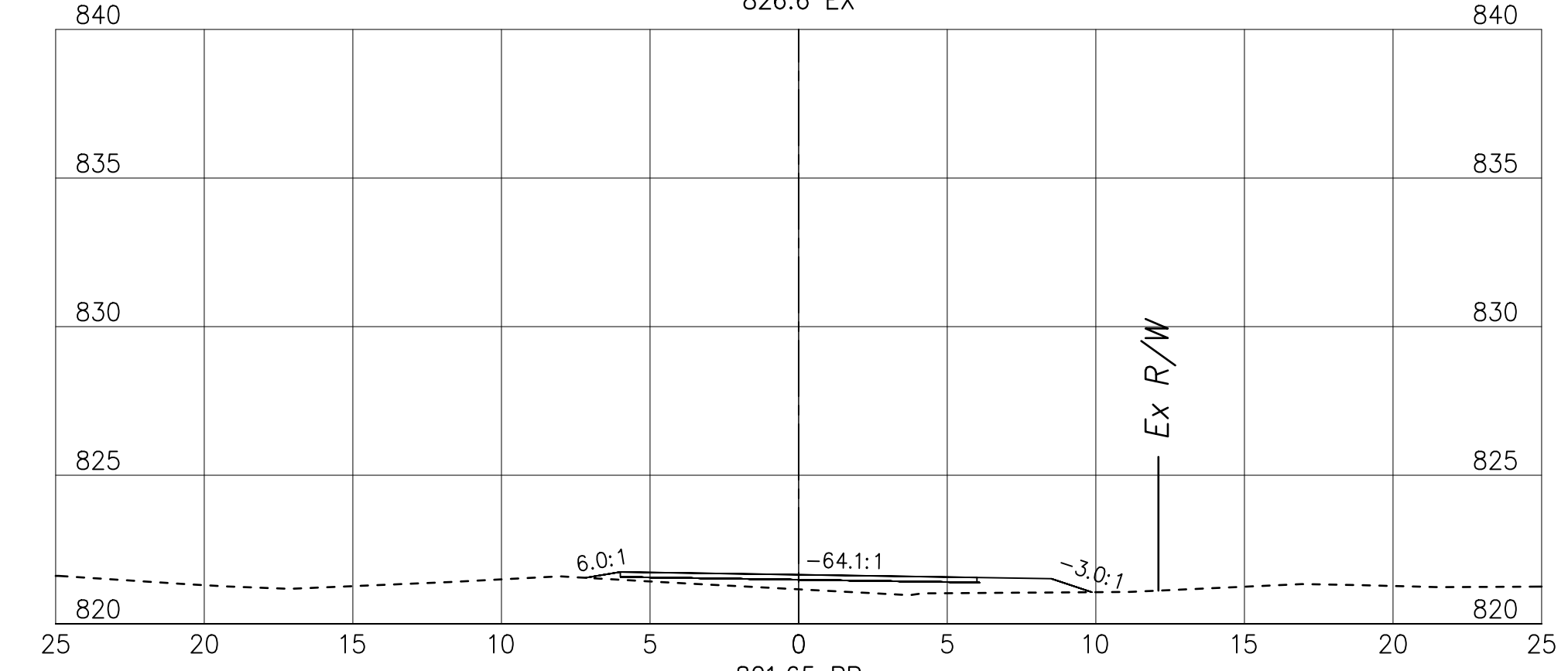
PR
STA 29+50
791.3 EX

END AREA		VOLUME		SEEDING	
CUT	FILL	CUT	FILL	END WIDTH	SQ. YDS.

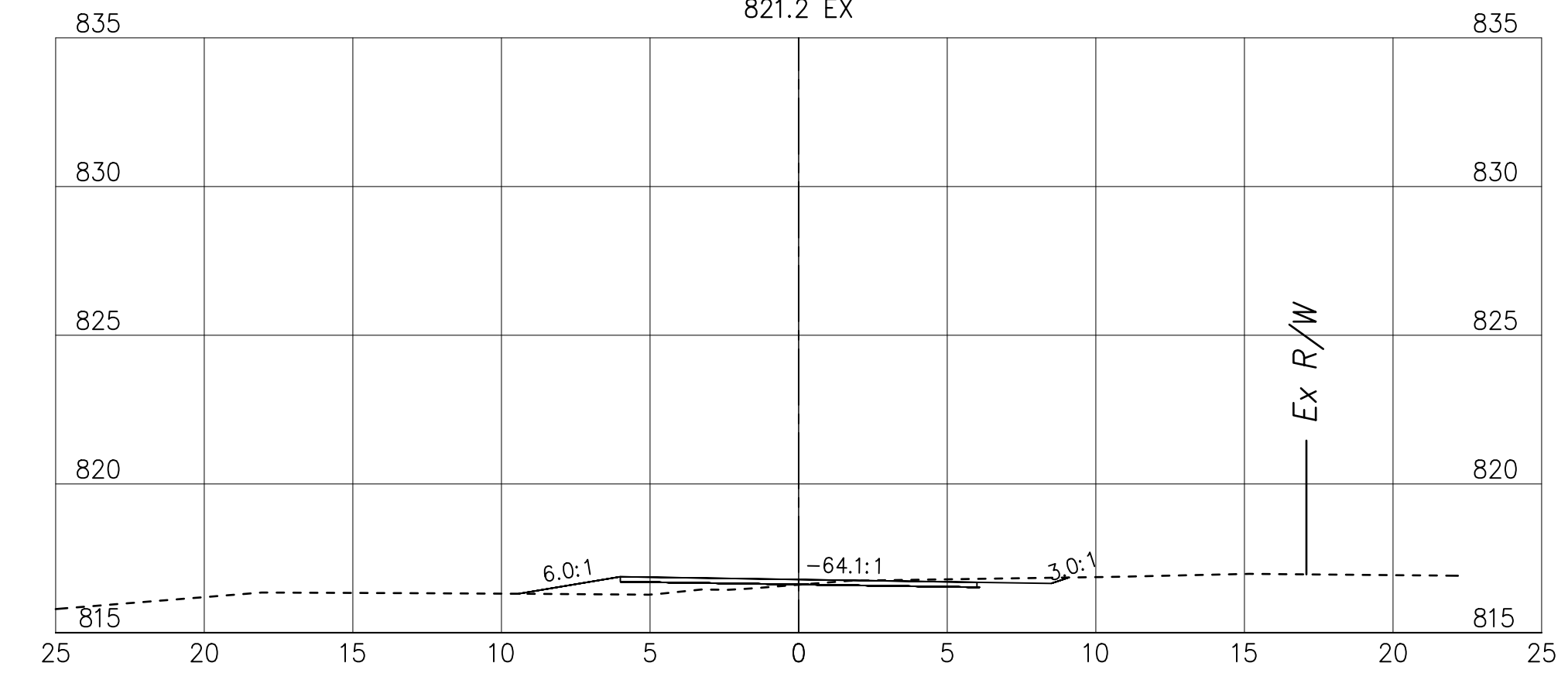
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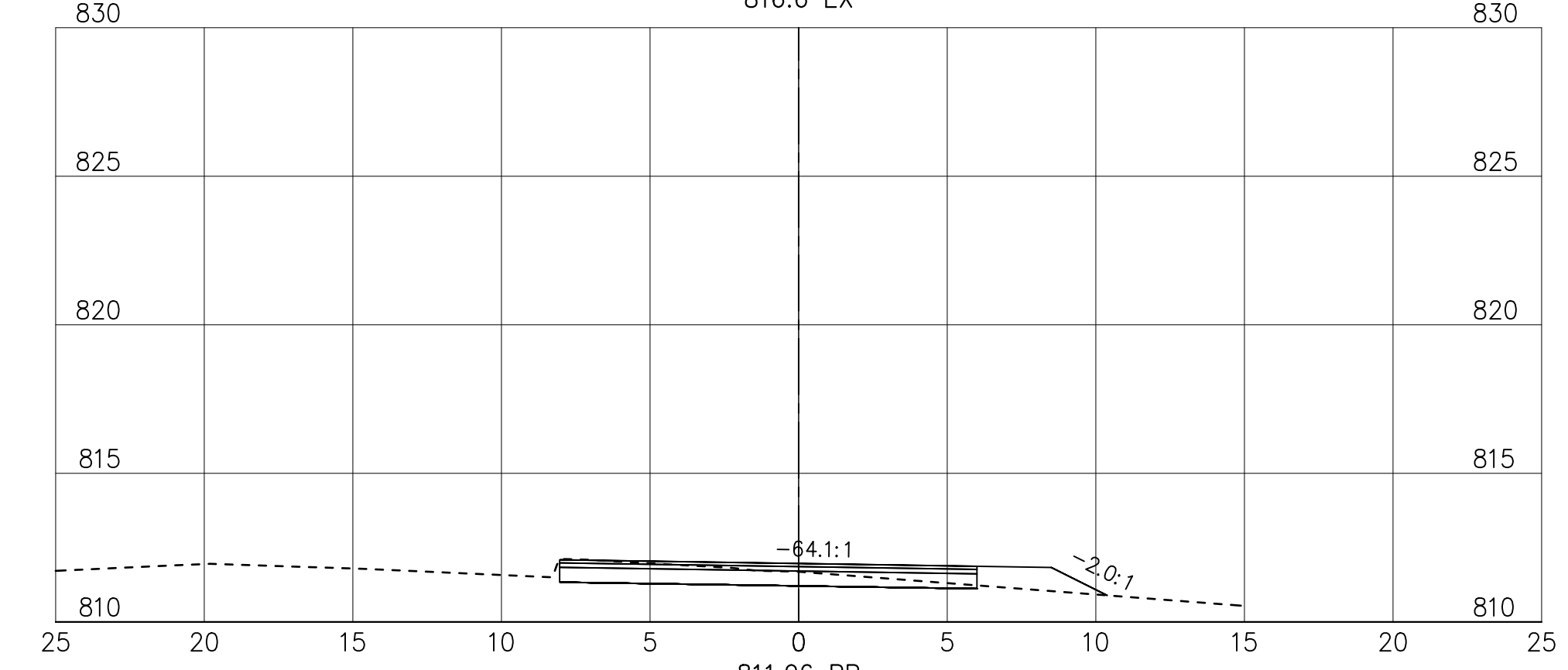
827.04 PR
STA 33+00
826.6 EX



821.65 PR
STA 32+50
821.2 EX



816.79 PR
STA 32+00
816.6 EX



811.96 PR
STA 31+50
811.7 EX

END AREA		VOLUME	
CUT	FILL	CUT	FILL

--	--	--	--



**COL-EL RIVERFRONT TRAIL,
PHASE 1.1
CITY OF EAST LIVERPOOL**

STAGE 2

DATE: _____

REVISIONS		
NO.	DATE	DESCRIPTION

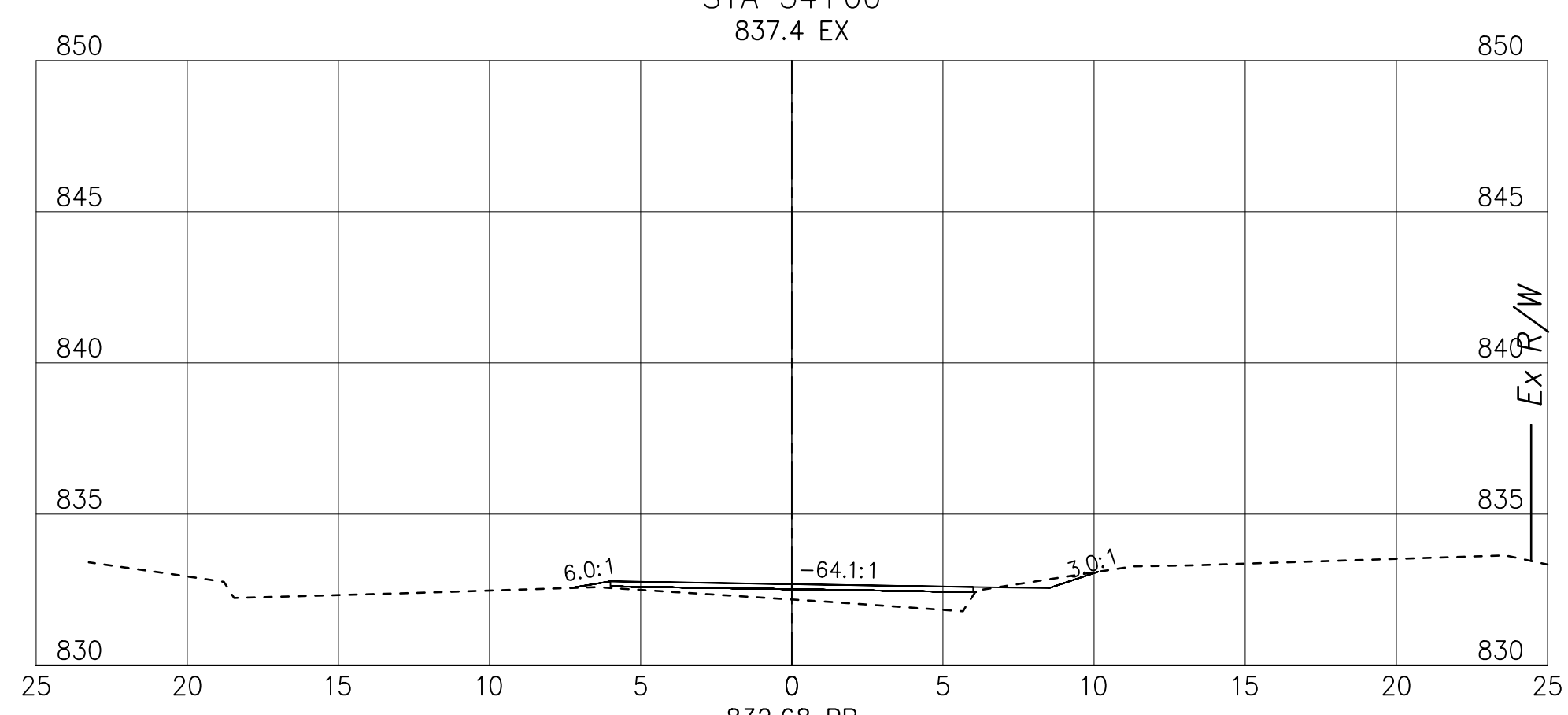
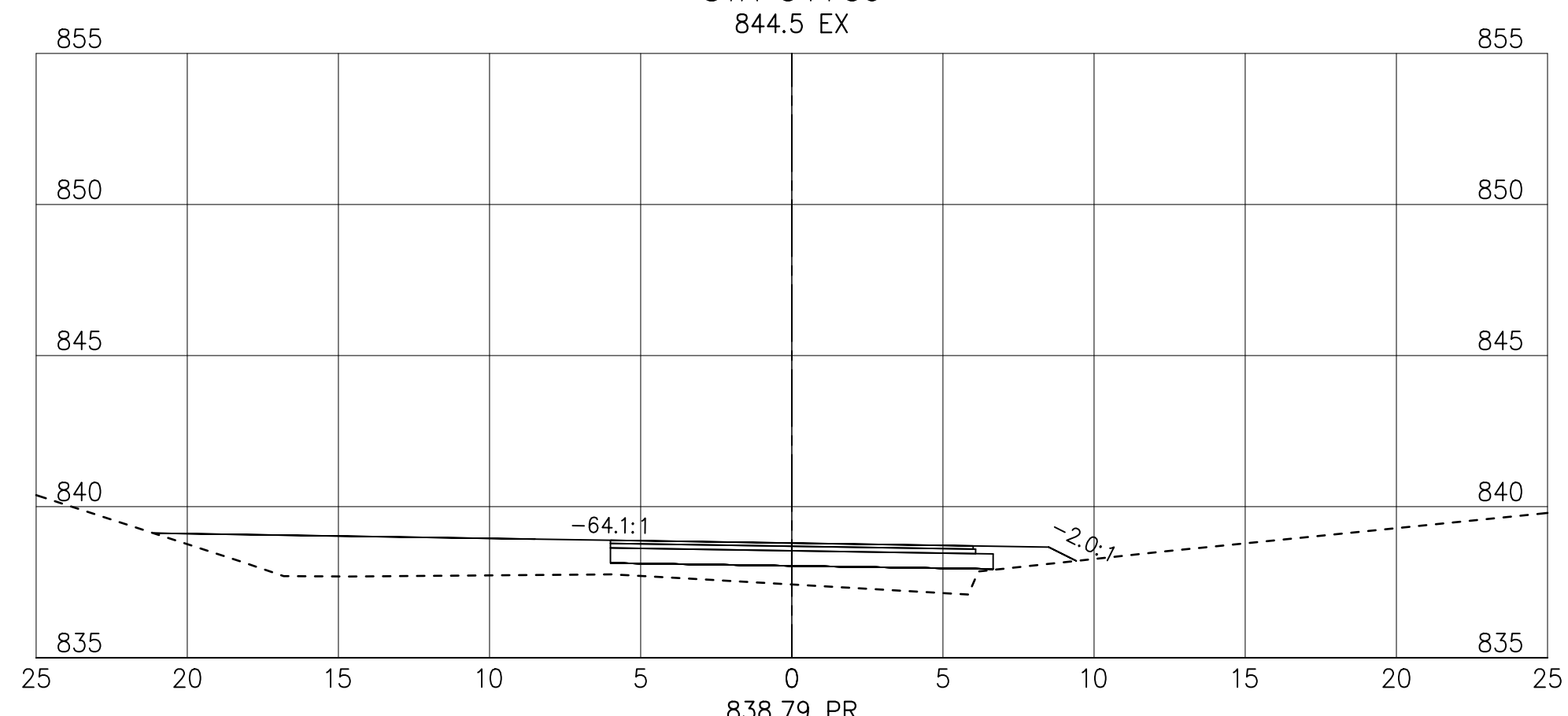
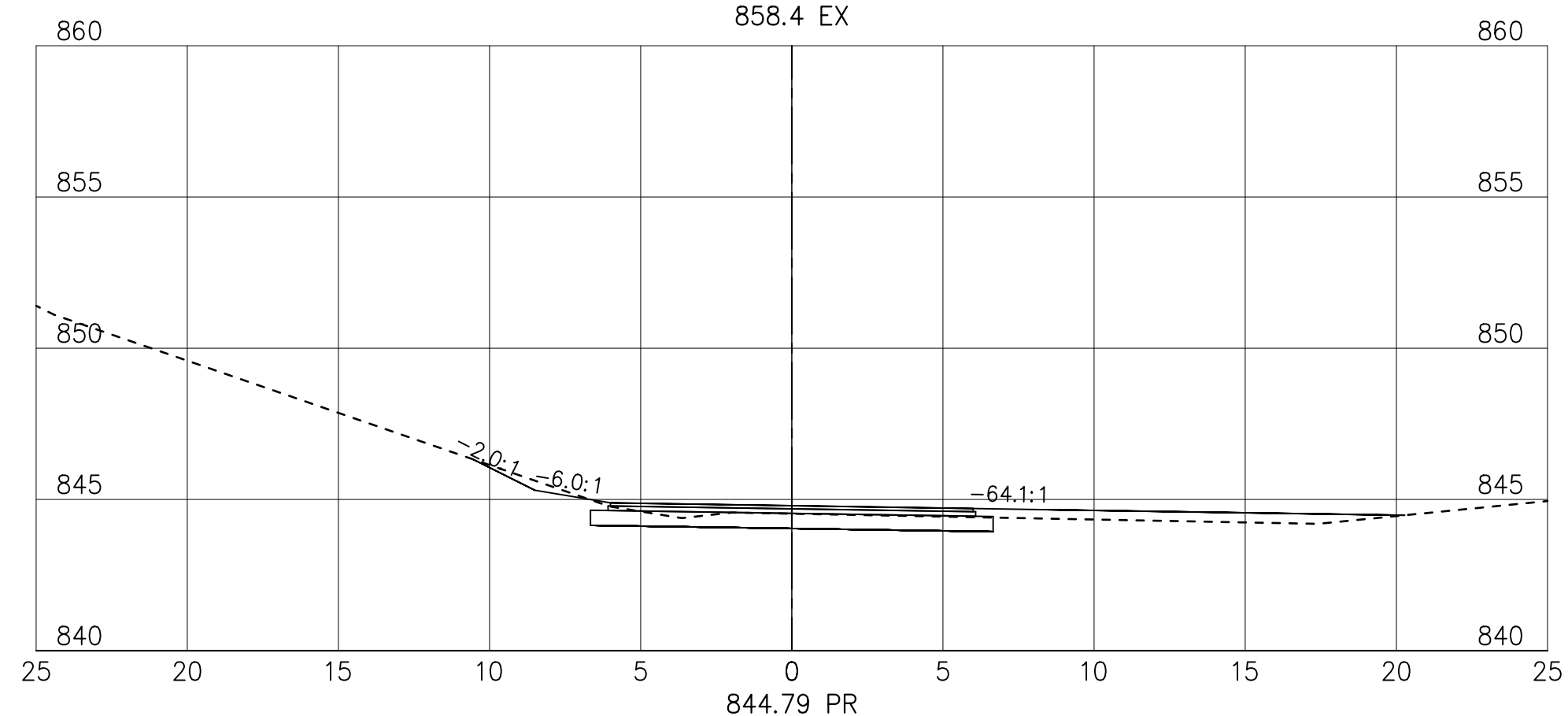
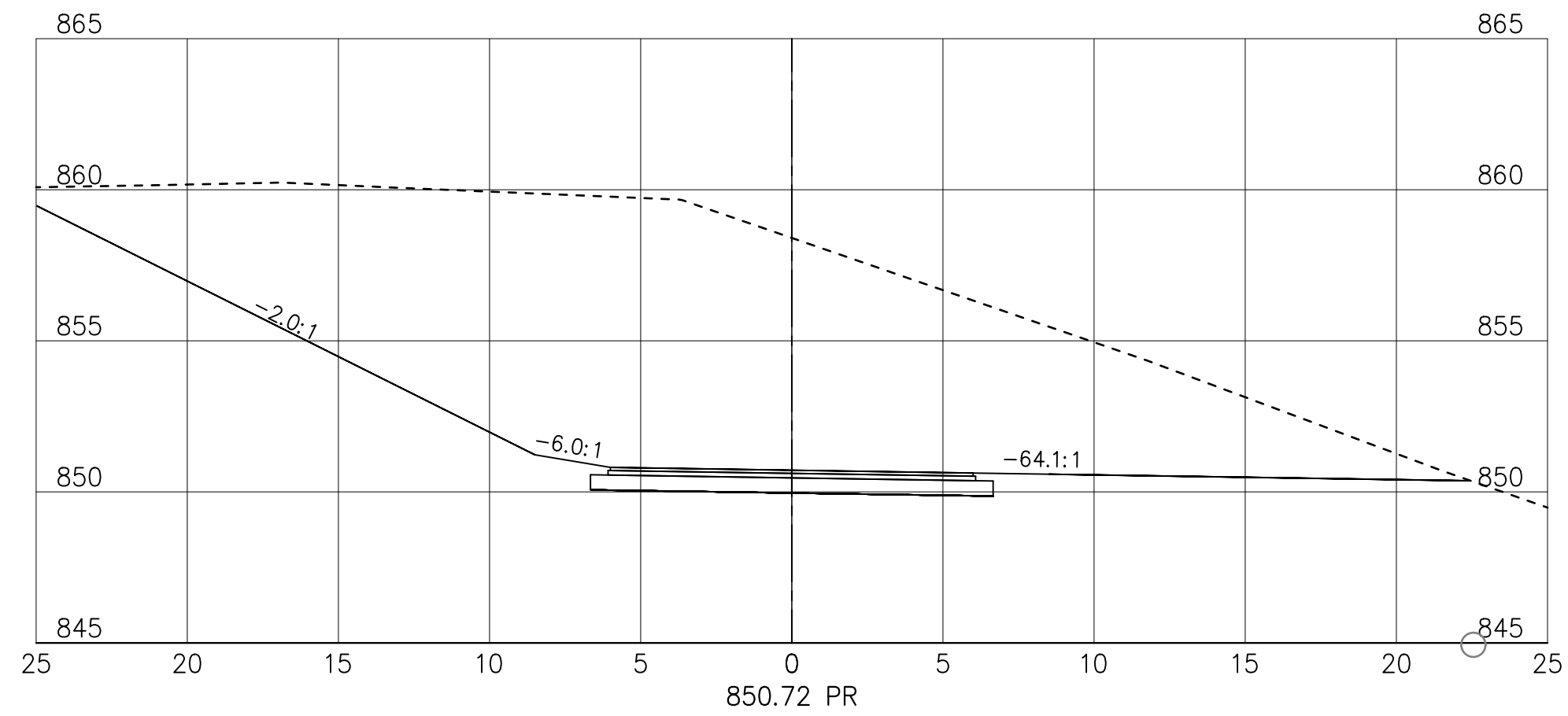
PROJECT NO.: 21-00267-010
DRAWN BY: HRD
CHECKED BY: KTL
DATE ISSUED: 2024-09-24

**RIVERFRONT TRAIL
CROSS SECTIONS**

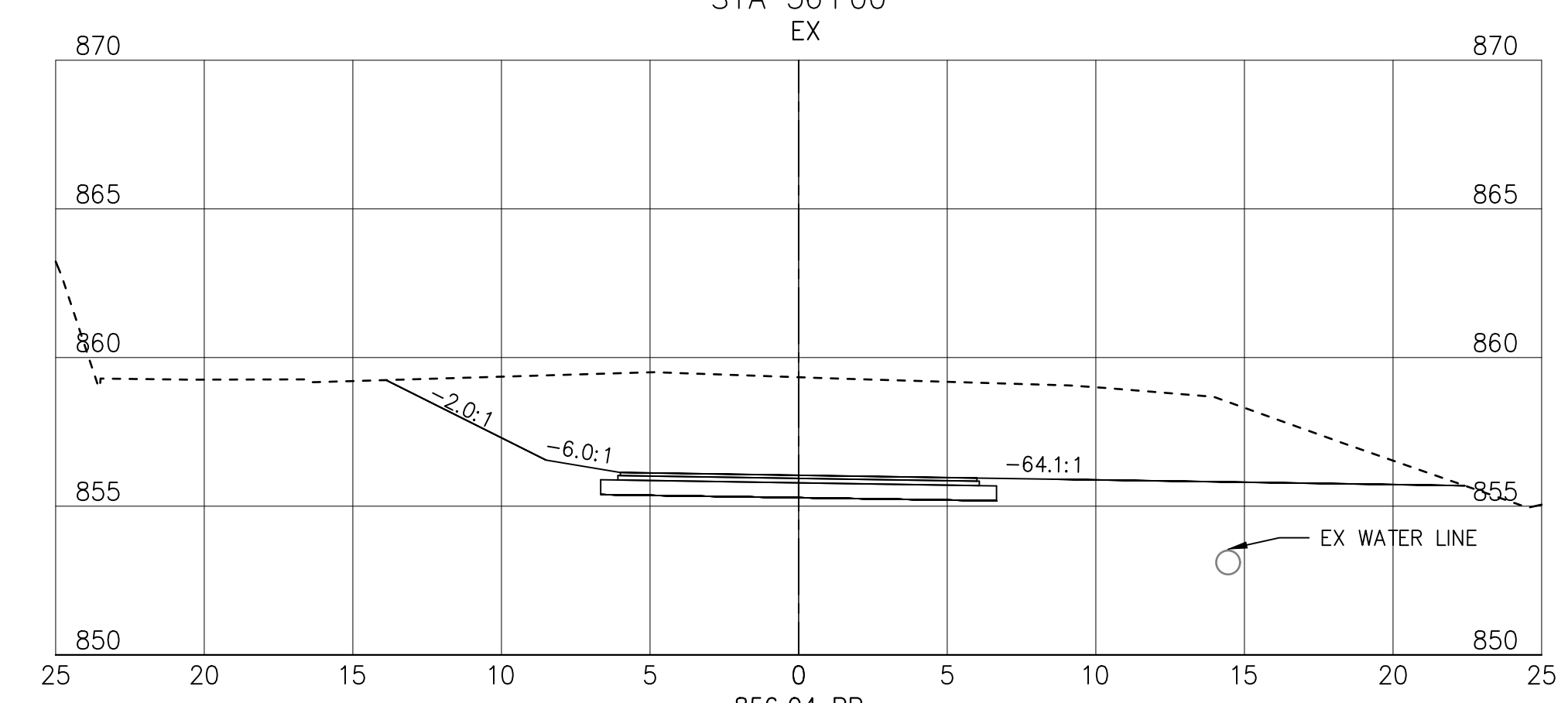
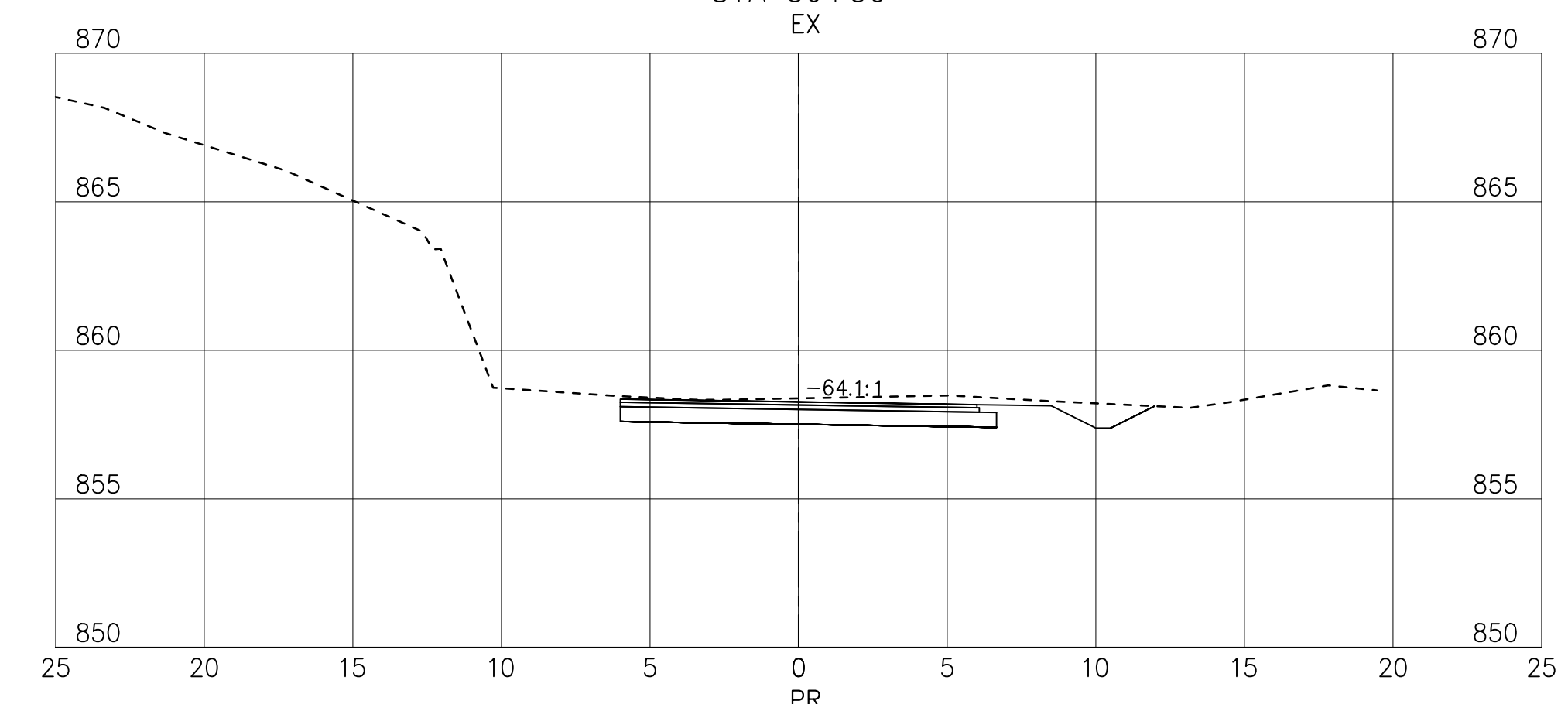
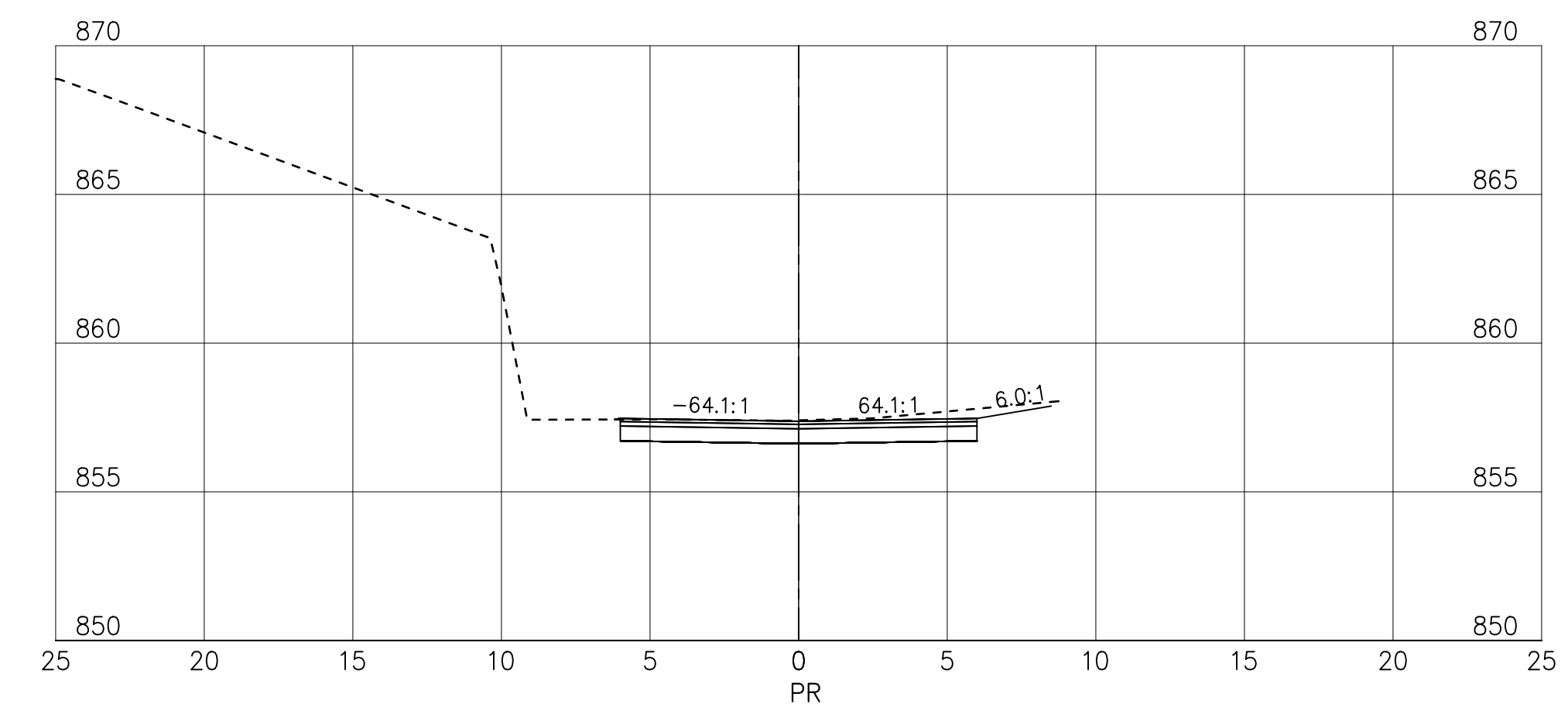
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NOT FOR CONSTRUCTION

SEEDING	
END WIDTH	SQ. YDS.



END AREA		VOLUME		SEEDING	
CUT	FILL	CUT	FILL	END WIDTH	SQ. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL



**COL-EL RIVERFRONT TRAIL,
PHASE 1.1
CITY OF EAST LIVERPOOL**

STAGE 2

DATE: _____

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010
DRAWN BY: HRD
CHECKED BY: KTL
DATE ISSUED: 2024-09-24

RIVERFRONT TRAIL
CROSS SECTIONS

E:\EAST LIVERPOOL\21-00267-010 RIVER FRONT DESIGN\CAD\DWG\LIVERPOOL\ETD\SET 21-00267-010 - 9/17/2024 5:56:16 PM

NOT FOR CONSTRUCTION



**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

STAGE 2

DATE:

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO.:	21-00267-010
DRAWN BY:	HRD
CHECKED BY:	KTL
DATE ISSUED:	2024-09-24

**INTERSECTION
 ENLARGEMENT**

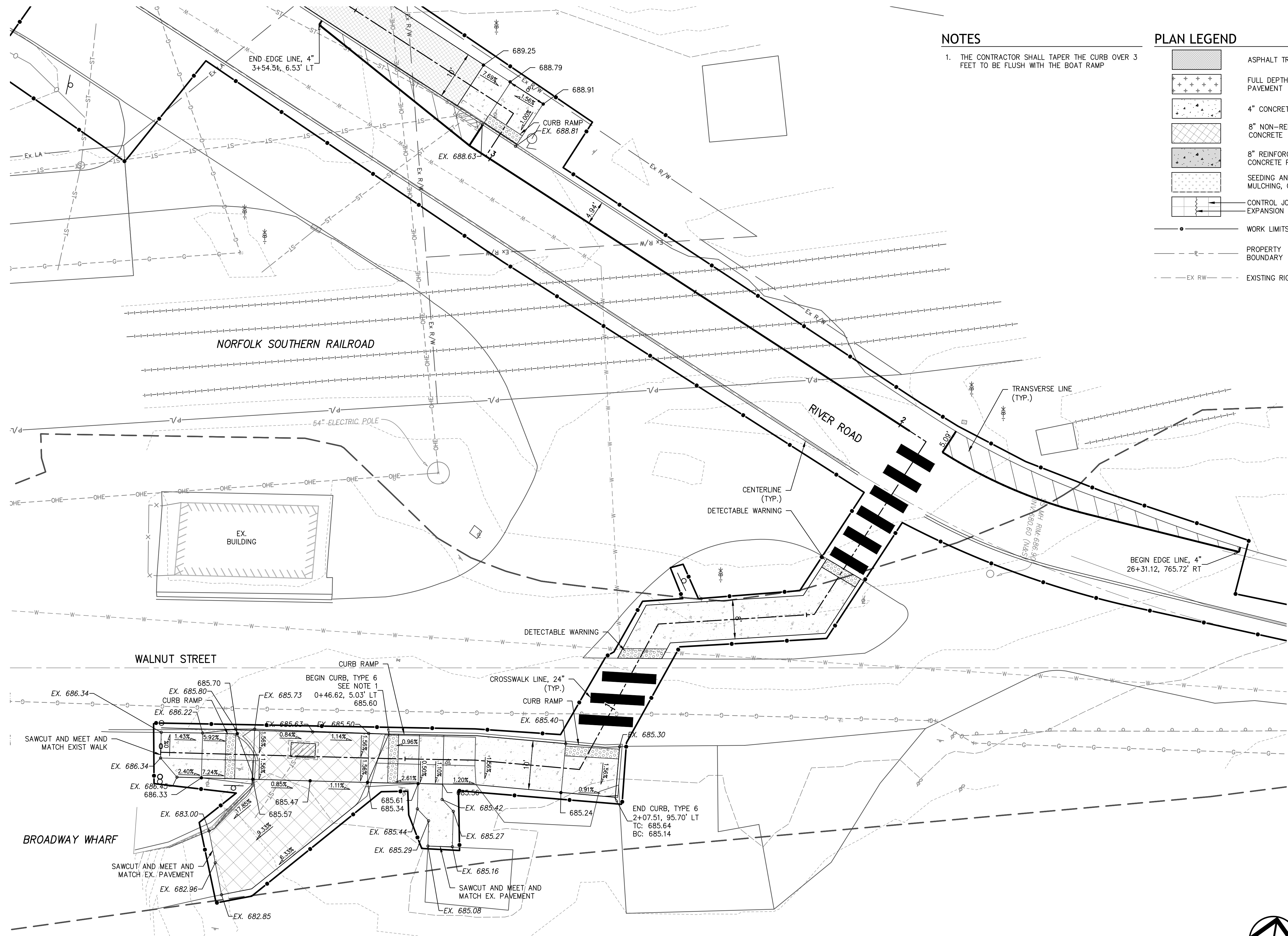
NOT FOR CONSTRUCTION

NOTES

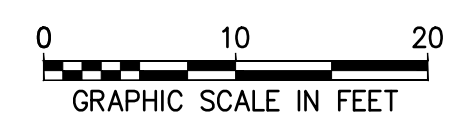
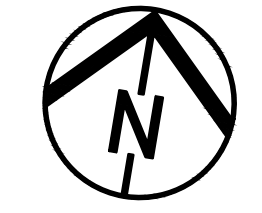
1. THE CONTRACTOR SHALL TAPER THE CURB OVER 3 FEET TO BE FLUSH WITH THE BOAT RAMP

PLAN LEGEND

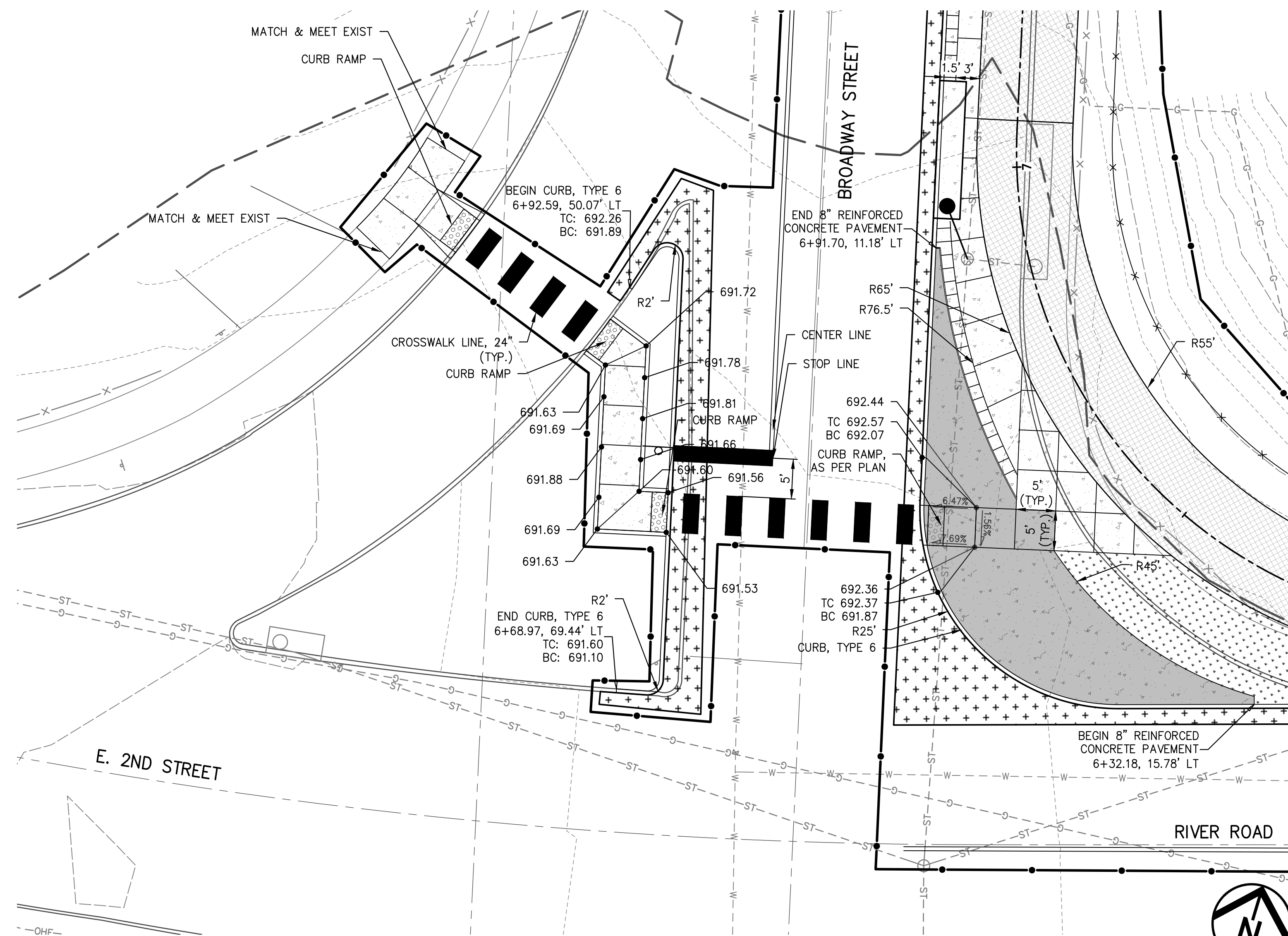
- ASPHALT TRAIL
- FULL DEPTH ASPHALT PAVEMENT
- 4" CONCRETE WALK
- 8" NON-REINFORCED CONCRETE
- 8" REINFORCED CONCRETE PAVEMENT
- SEEDING AND MULCHING, CLASS 1
- CONTROL JOINT EXPANSION JOINT
- WORK LIMITS
- PROPERTY BOUNDARY
- EX RW EXISTING RIGHT OF WAY



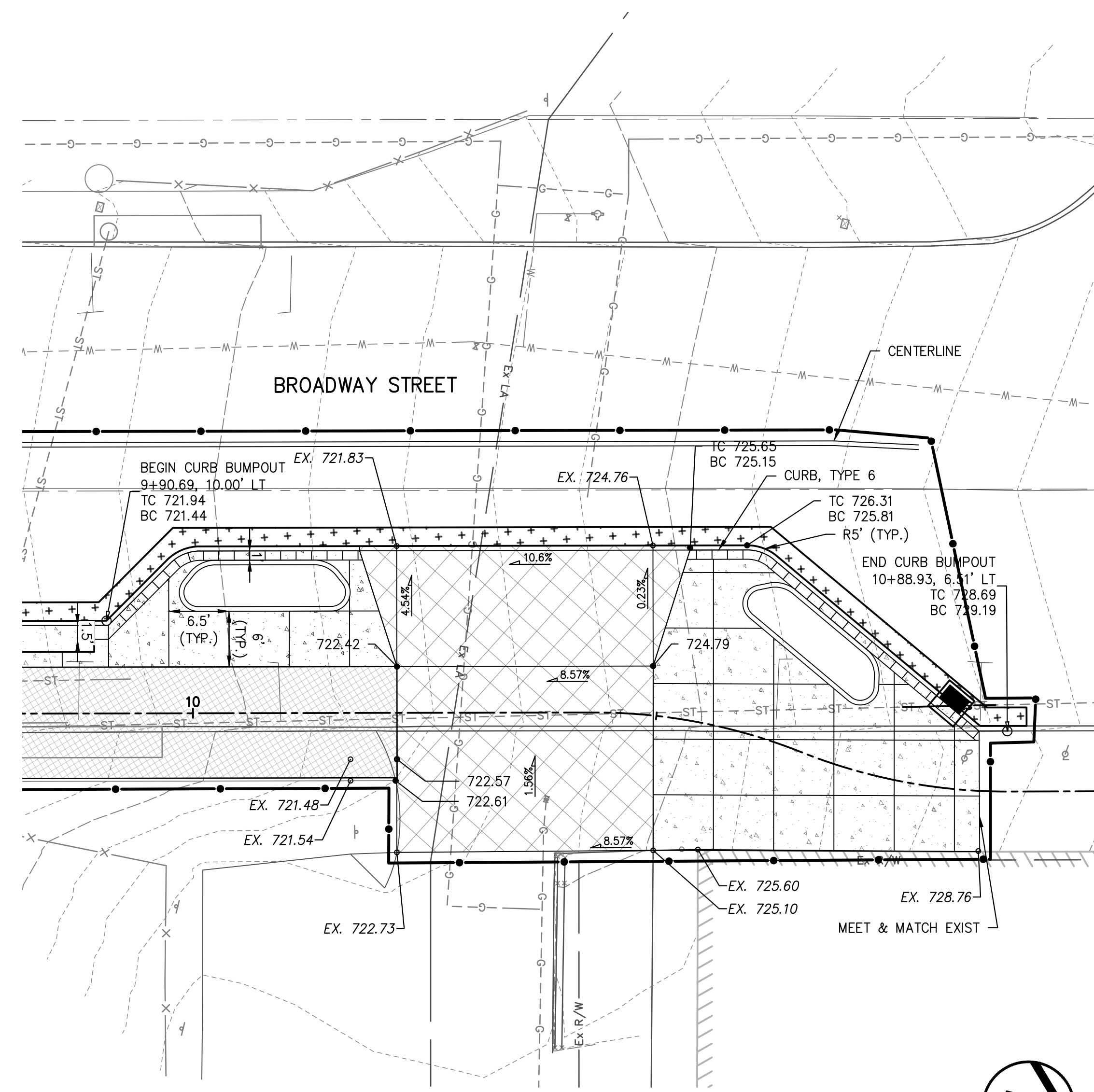
**RIVER ROAD AND WALNUT STREET INTERSECTION
 ENLARGEMENT A**



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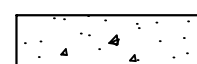





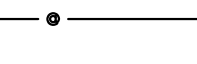
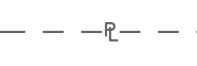


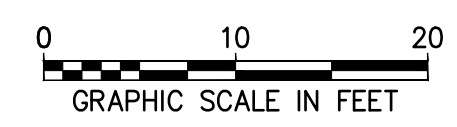
RIVER ROAD, E 2ND STREET AND BROADWAY STREET INTERSECTION
 ENLARGEMENT B



KENT STATE MAIN BUILDING DRIVE (BROADWAY STREET)
 ENLARGEMENT C

PLAN LEGEND

-  ASPHALT TRAIL
-  FULL DEPTH ASPHALT PAVEMENT
-  4" CONCRETE WALK
-  8" NON-REINFORCED CONCRETE
-  8" REINFORCED CONCRETE PAVEMENT
-  SEEDING AND MULCHING, CLASS 1
-  CONTROL JOINT EXPANSION JOINT
-  WORK LIMITS
-  PROPERTY BOUNDARY
-  EXISTING RIGHT OF WAY



**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

STAGE 2

DATE: _____

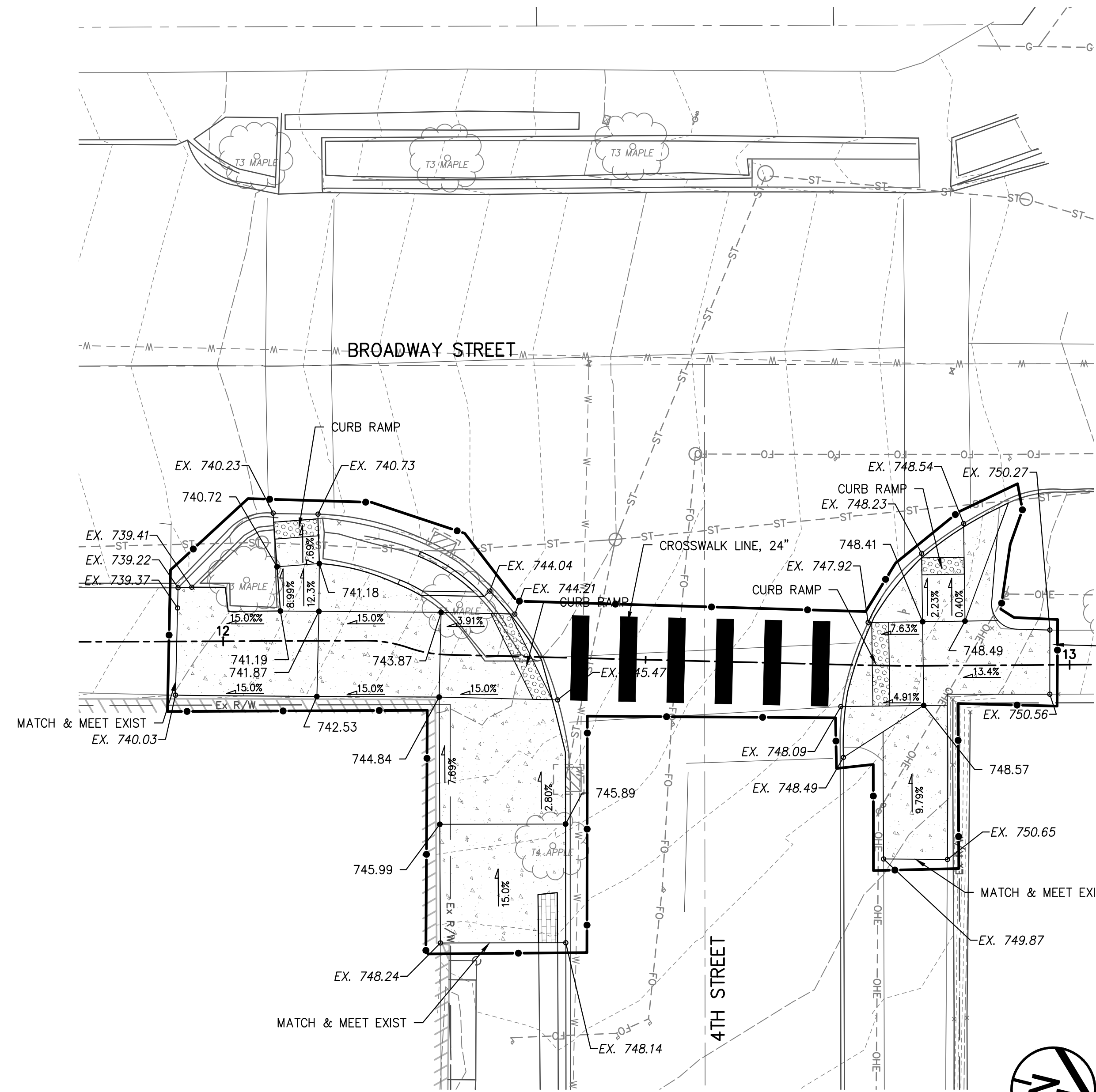
REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010
 DRAWN BY: HRD
 CHECKED BY: KTL
 DATE ISSUED: 2024-09-24

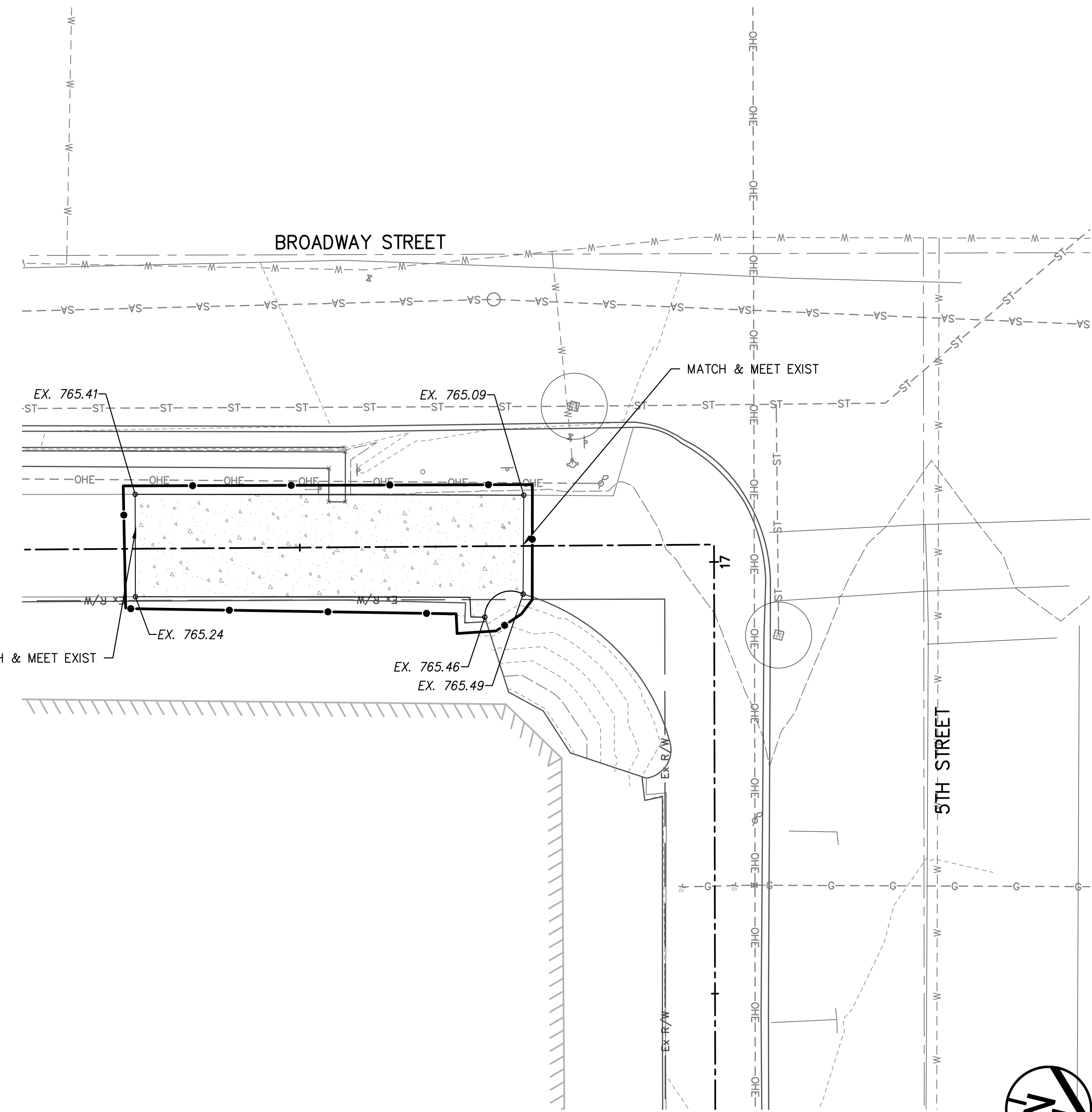
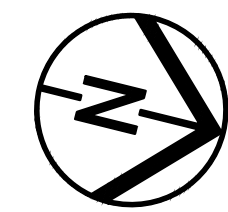
**INTERSECTION
 ENLARGEMENT**

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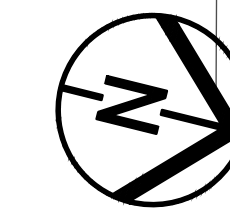
NOT FOR CONSTRUCTION



BROADWAY STREET AND 4TH STREET INTERSECTION
ENLARGEMENT D

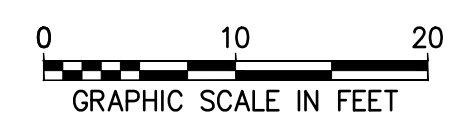


BROADWAY STREET AND 5TH STREET INTERSECTION
ENLARGEMENT E



PLAN LEGEND

- ASPHALT TRAIL
- FULL DEPTH ASPHALT PAVEMENT
- 4" CONCRETE WALK
- 8" NON-REINFORCED CONCRETE
- 8" REINFORCED CONCRETE PAVEMENT
- SEEDING AND MULCHING, CLASS 1
- CONTROL JOINT EXPANSION JOINT
- WORK LIMITS
- PROPERTY BOUNDARY
- EX RW - EXISTING RIGHT OF WAY



**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

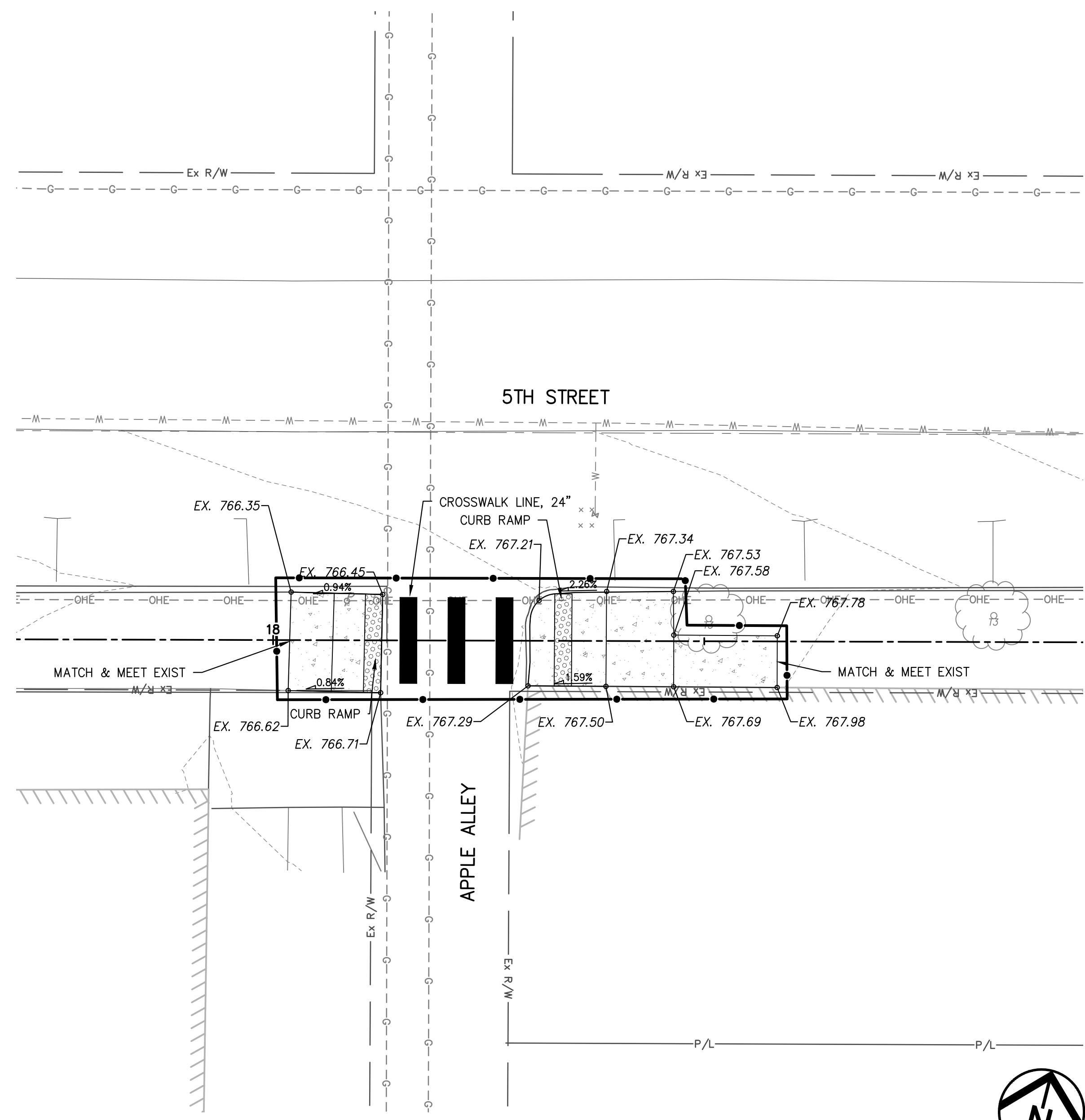
STAGE 2

DATE: _____

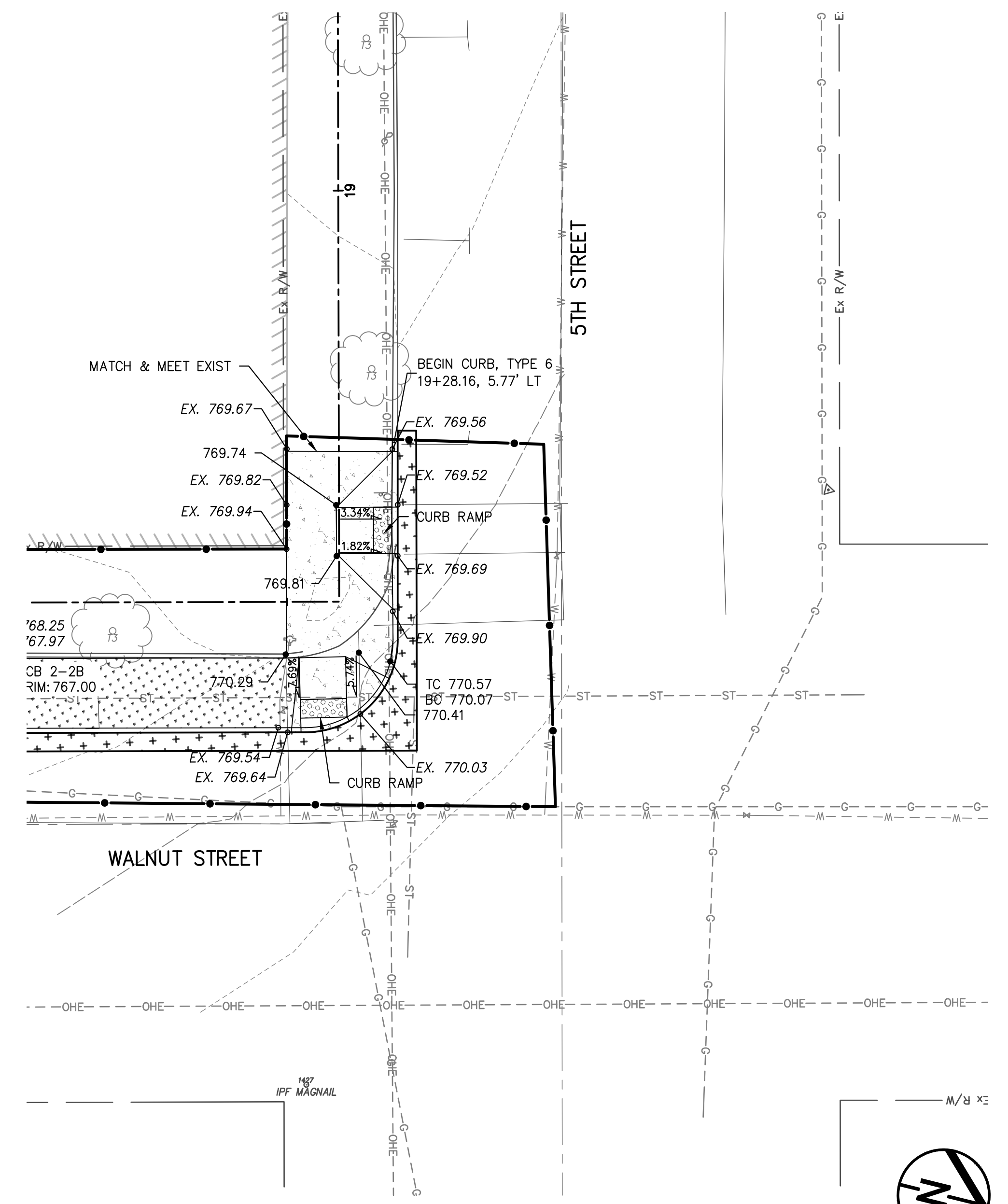
REVISIONS		
Δ	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010
 DRAWN BY: HRD
 CHECKED BY: KTL
 DATE ISSUED: 2024-09-24

**INTERSECTION
 ENLARGEMENT**



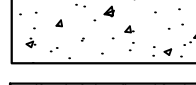

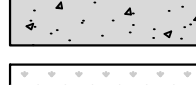







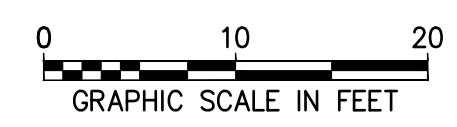
5TH STREET AND APPLE ALLEY INTERSECTION
 ENLARGEMENT F



5TH STREET AND WALNUT STREET INTERSECTION
 ENLARGEMENT G

PLAN LEGEND

-  ASPHALT TRAIL
-  FULL DEPTH ASPHALT PAVEMENT
-  4" CONCRETE WALK
-  8" NON-REINFORCED CONCRETE
-  8" REINFORCED CONCRETE PAVEMENT
-  SEEDING AND MULCHING, CLASS 1
-  CONTROL JOINT EXPANSION JOINT
-  WORK LIMITS
-  PROPERTY BOUNDARY
-  EX RW - EXISTING RIGHT OF WAY



**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

STAGE 2

DATE: _____

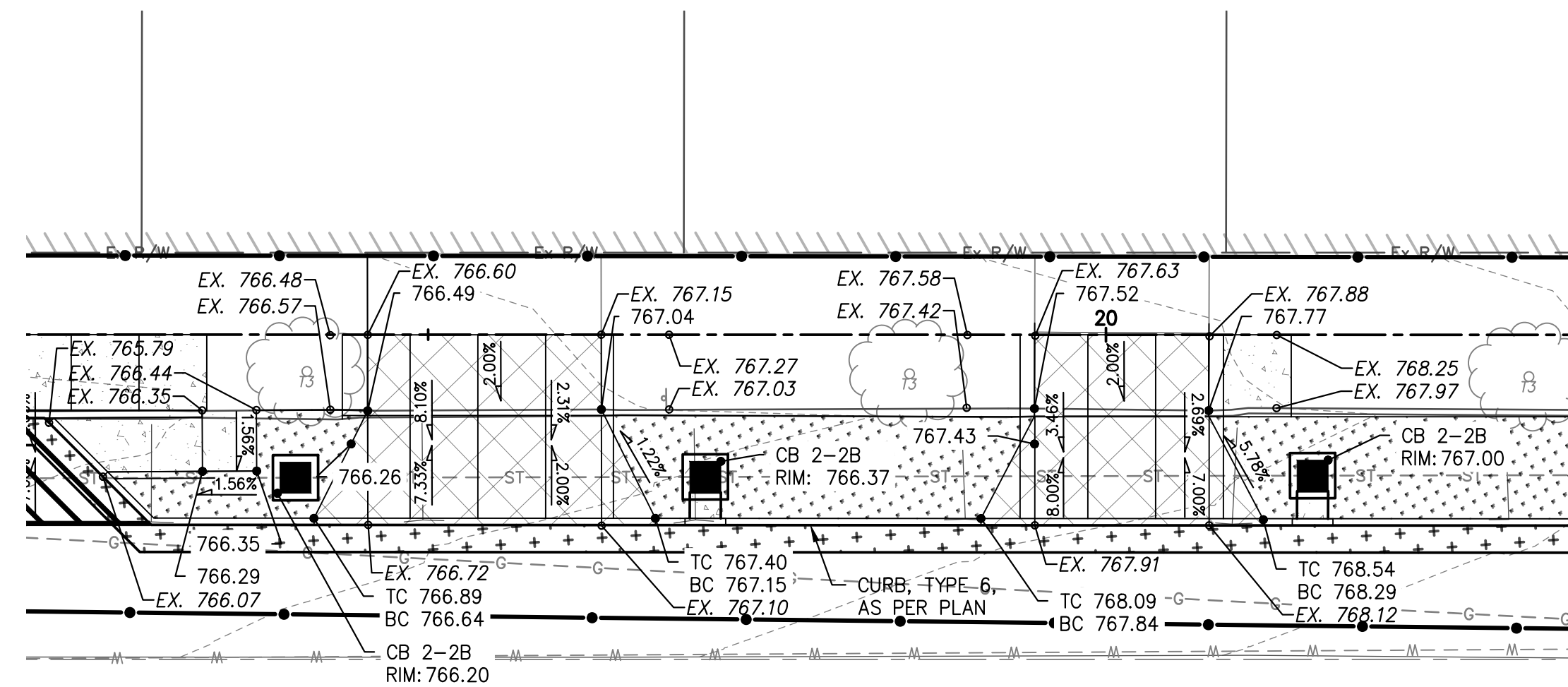
REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010
 DRAWN BY: HRD
 CHECKED BY: KTL
 DATE ISSUED: 2024-09-24

**INTERSECTION
 ENLARGEMENT**

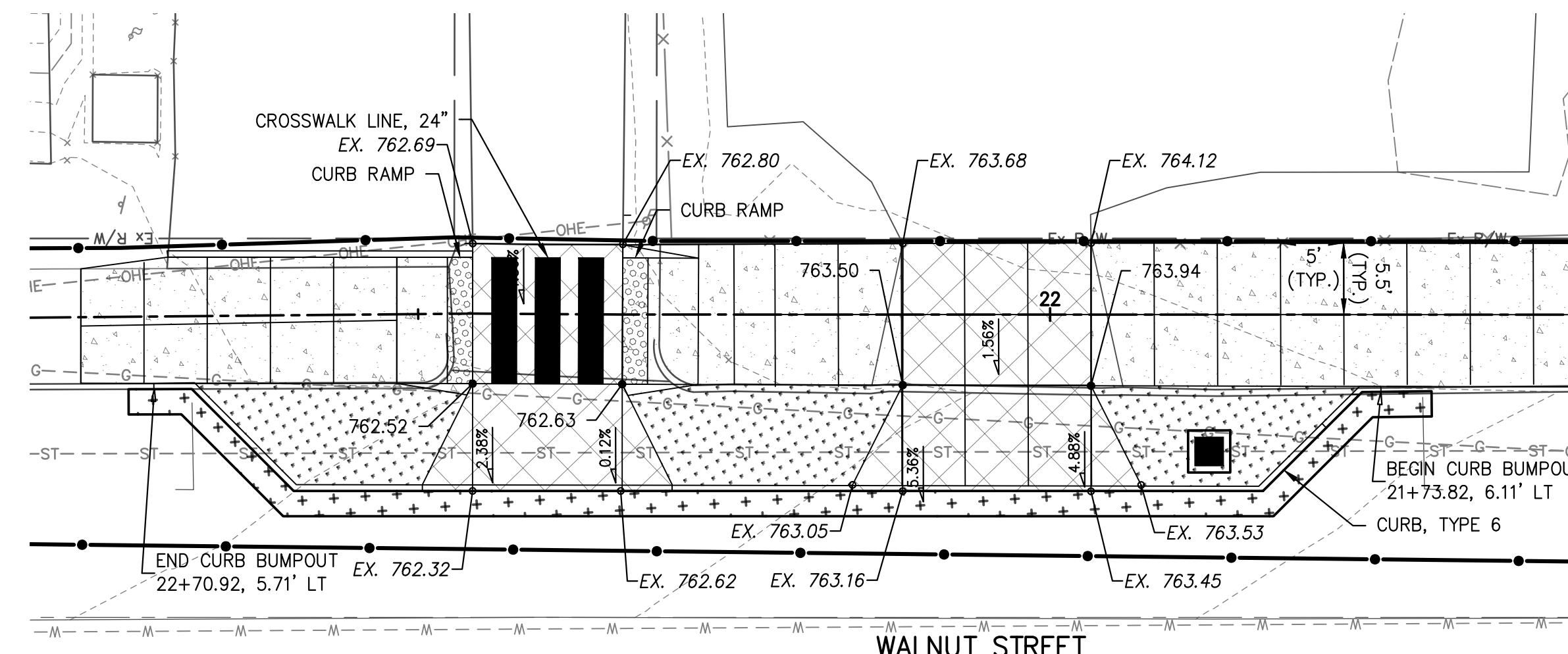
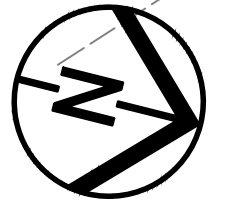
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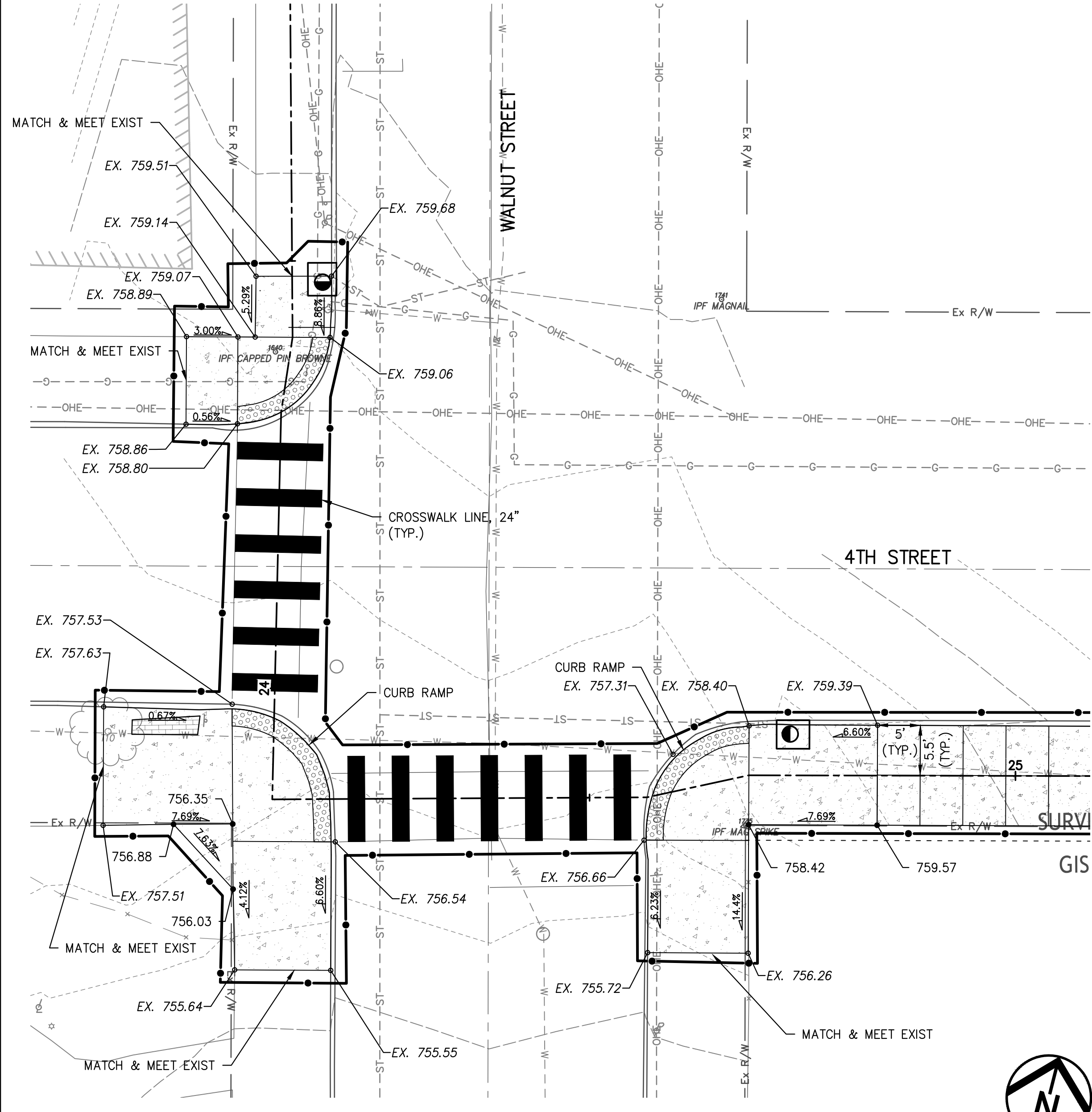
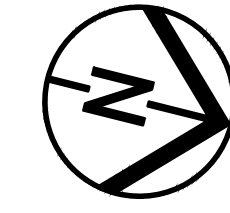
WALNUT STREET

LITTEN MOTOR SALES CO. DRIVES (WALNUT STREET)
 ENLARGEMENT H

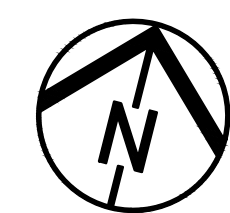


WALNUT STREET



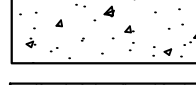







JANE L. RUDI BAUGH AND ALLEY DRIVE (WALNUT STREET)
 ENLARGEMENT I

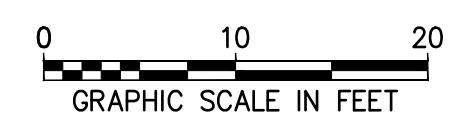


4TH STREET AND WALNUT STREET INTERSECTION
 ENLARGEMENT J



PLAN LEGEND

-  ASPHALT TRAIL
-  FULL DEPTH ASPHALT PAVEMENT
-  4" CONCRETE WALK
-  8" NON-REINFORCED CONCRETE
-  8" REINFORCED CONCRETE PAVEMENT
-  SEEDING AND MULCHING, CLASS 1
-  CONTROL JOINT EXPANSION JOINT
-  WORK LIMITS
-  PROPERTY BOUNDARY
-  EX RW - EXISTING RIGHT OF WAY



**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

STAGE 2

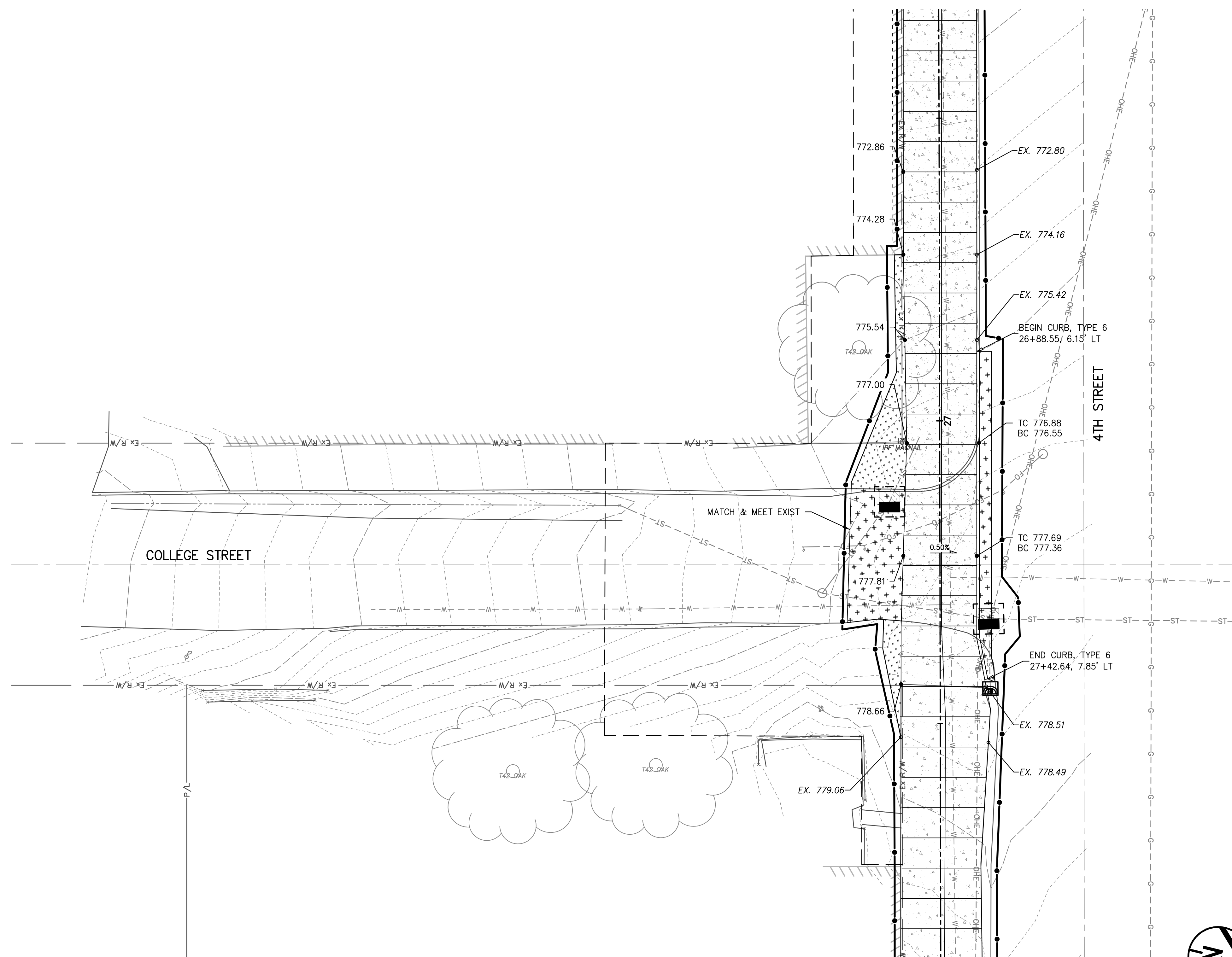
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REVISIONS		
NO.	DATE	DESCRIPTION



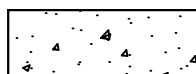




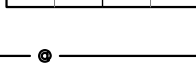
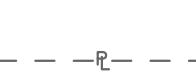

PROJECT NO.: 21-00267-010
 DRAWN BY: HRD
 CHECKED BY: KTL
 DATE ISSUED: 2024-09-24

**INTERSECTION
 ENLARGEMENT**

NOT FOR CONSTRUCTION



PLAN LEGEND

-  ASPHALT TRAIL
-  FULL DEPTH ASPHALT PAVEMENT
-  4" CONCRETE WALK
-  8" NON-REINFORCED CONCRETE
-  8" REINFORCED CONCRETE PAVEMENT
-  SEEDING AND MULCHING, CLASS 1
-  CONTROL JOINT EXPANSION JOINT
-  WORK LIMITS
-  PROPERTY BOUNDARY
-  EX RW EXISTING RIGHT OF WAY

**4TH STREET AND COLLEGE STREET INTERSECTION
 ENLARGEMENT K**

**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

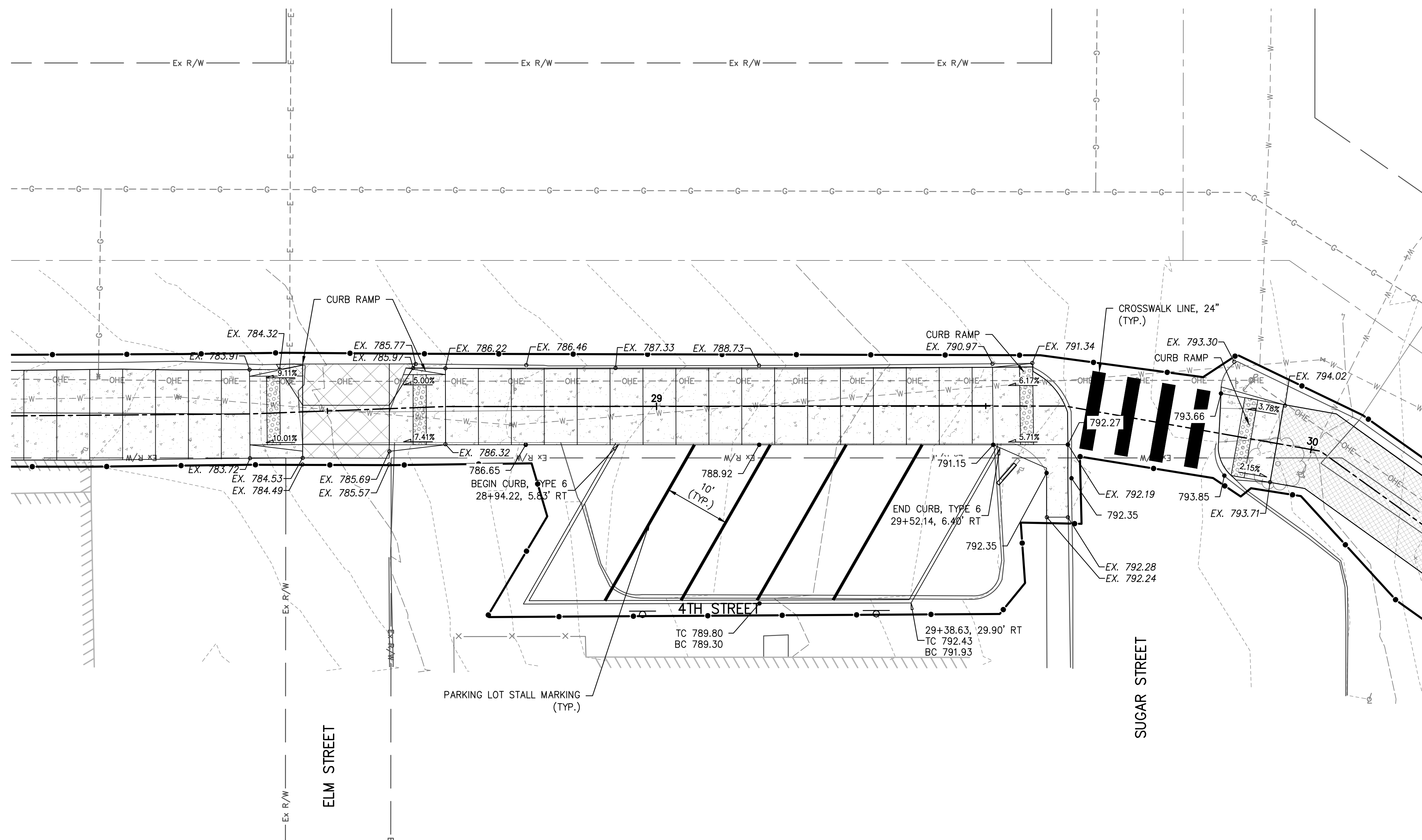
STAGE 2

DATE: _____

REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010
 DRAWN BY: HRD
 CHECKED BY: KTL
 DATE ISSUED: 2024-09-24

DRIVE ENLARGEMENT



EAST LIVERPOOL AREA YMCA DRIVE AND COLUMBIANA METROPOLITAN HOUSING AUTHORITY PARKING LOT AND DRIVE AND (4TH STREET) ENLARGEMENT L

**COL-EL RIVERFRONT TRAIL,
 PHASE 1.1
 CITY OF EAST LIVERPOOL**

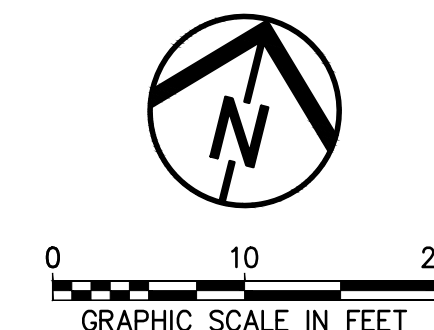
STAGE 2

DATE: _____

REVISIONS		
Δ	DATE	DESCRIPTION

PROJECT NO.: 21-00267-010
 DRAWN BY: HRD
 CHECKED BY: KTL
 DATE ISSUED: 2024-09-24

DRIVE ENLARGEMENT



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